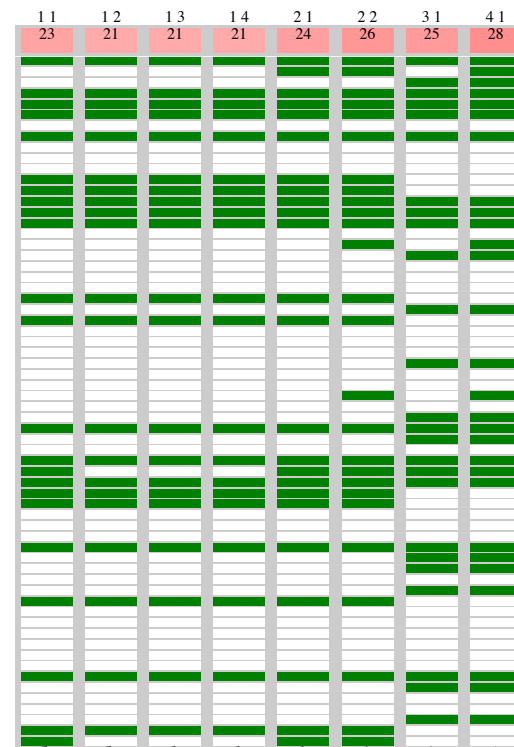
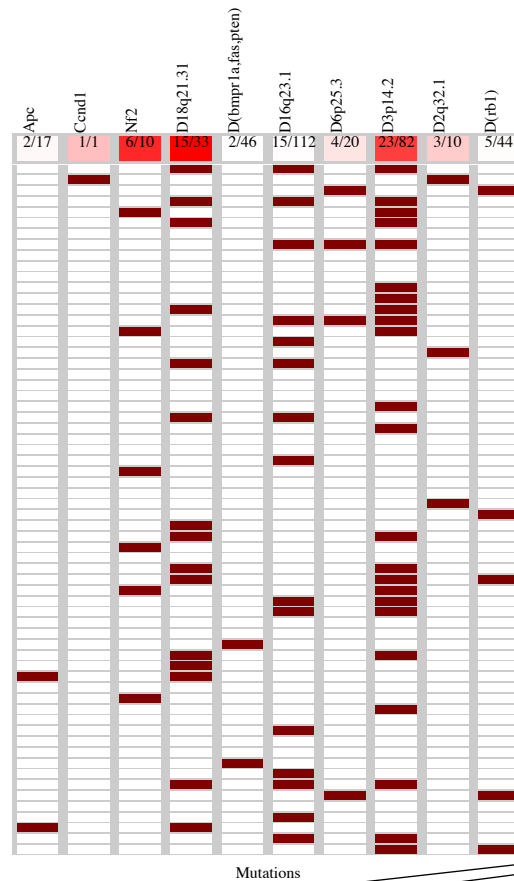
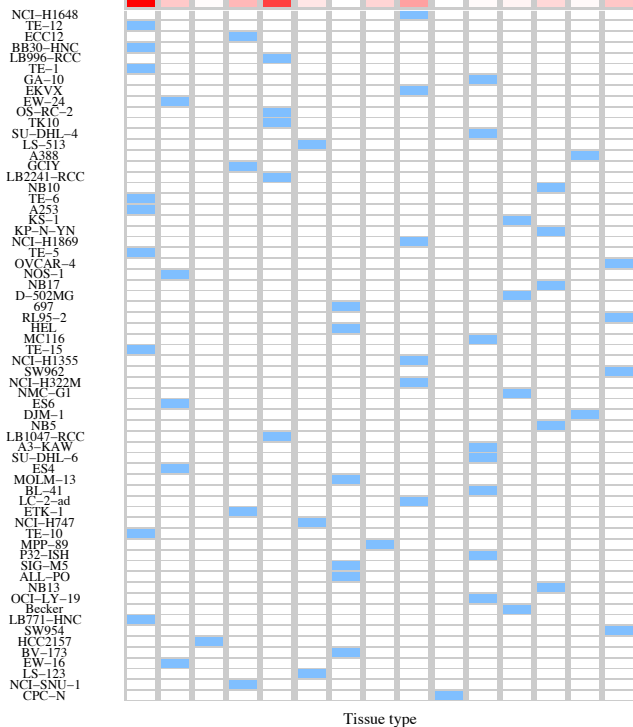
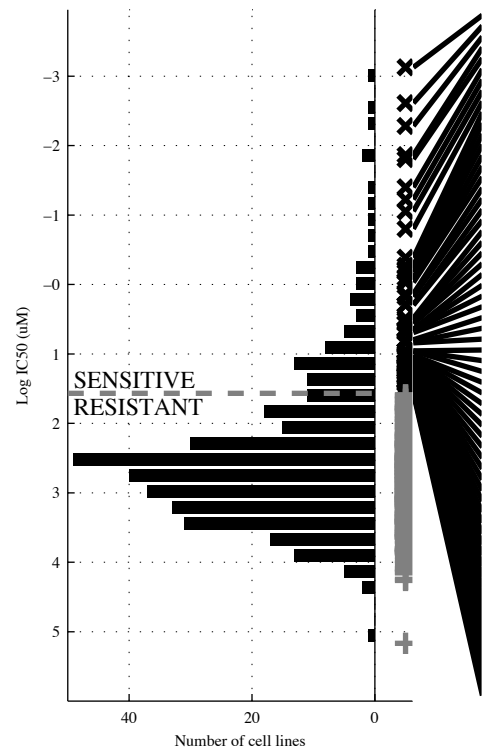


PANCAN  
 id: 1 name: Erlotinib  
 target: EGFR class: EGFR signaling

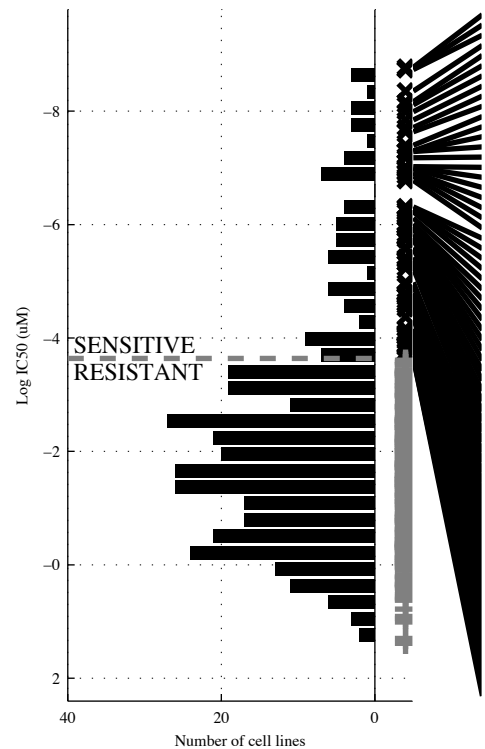
362 cell lines  
 64 sensitive



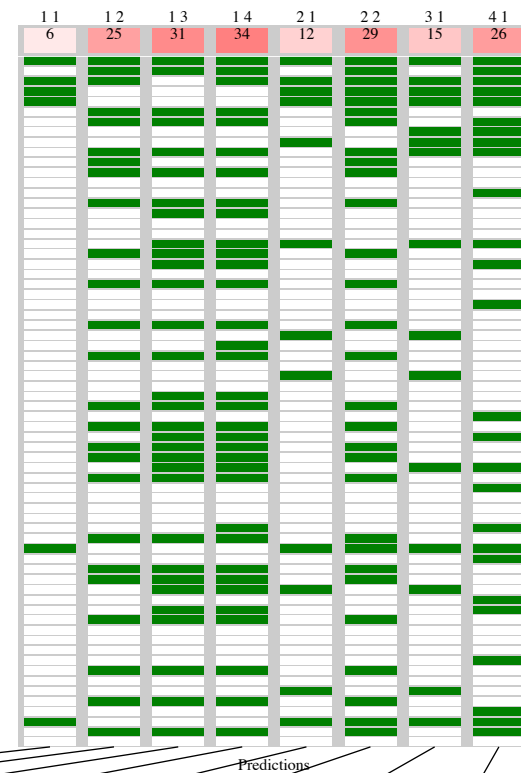
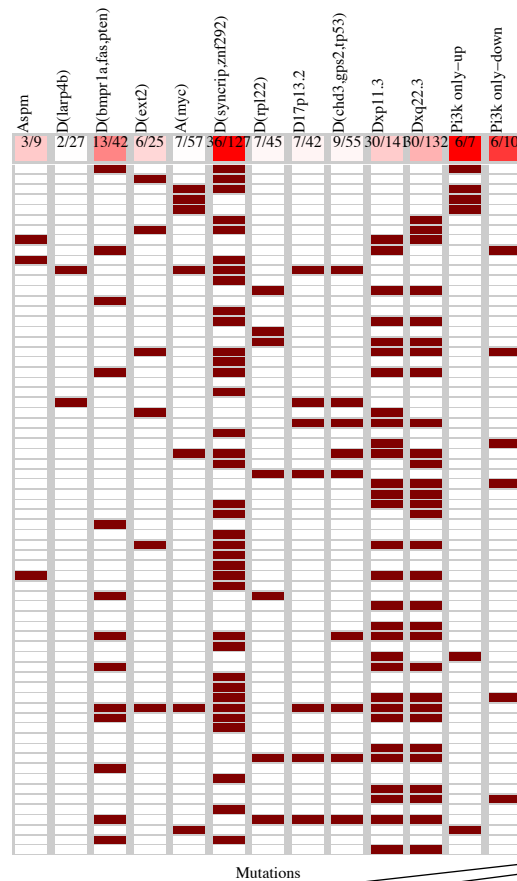
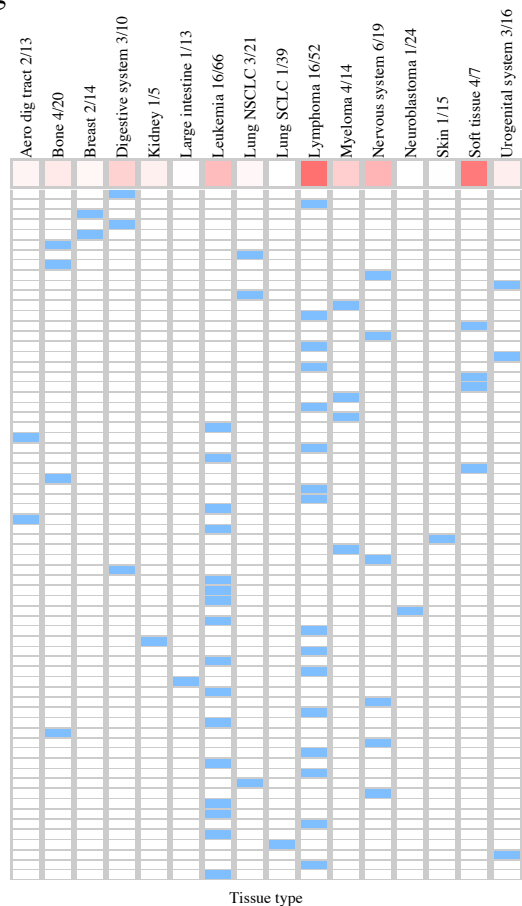
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d3p14.</b>	<b>d3p14. &amp; ¬d(RB1)</b>	<b>¬APC &amp; d3p14. &amp; ¬d(RB1)</b>	<b>¬APC &amp; d(BMP1K) &amp; d3p14. &amp; ¬d(RB1)</b>	<b>CCND1   d3p14.</b>	<b>[¬d16q23&amp; d2q32. ]   [d(BMP1K) &amp; d3p14. ]</b>	<b>NF2   d18q21   d6p25.</b>	<b>NF2   d18q21   d6p25.   d2q32.</b>
TP   FP	23   59	21   45	21   38	21   33	24   59	26   50	25   34	28   41
Specificity	0.8	0.85	0.87	0.88	0.8	0.82	0.89	0.86
FN   TN	41   239	43   253	43   260	43   265	40   239	38   248	39   264	36   257
Precision	0.28	0.32	0.36	0.38	0.29	0.34	0.43	0.41
Recall	0.36	0.33	0.33	0.35	0.38	0.42	0.39	0.44

PANCAN  
 id: 3 name: Rapamycin  
 target: MTOR class: TOR signaling

354 cell lines  
 68 sensitive



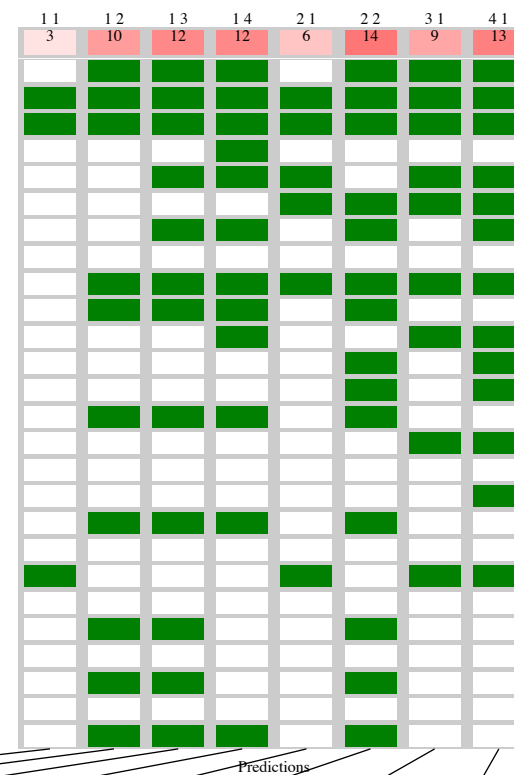
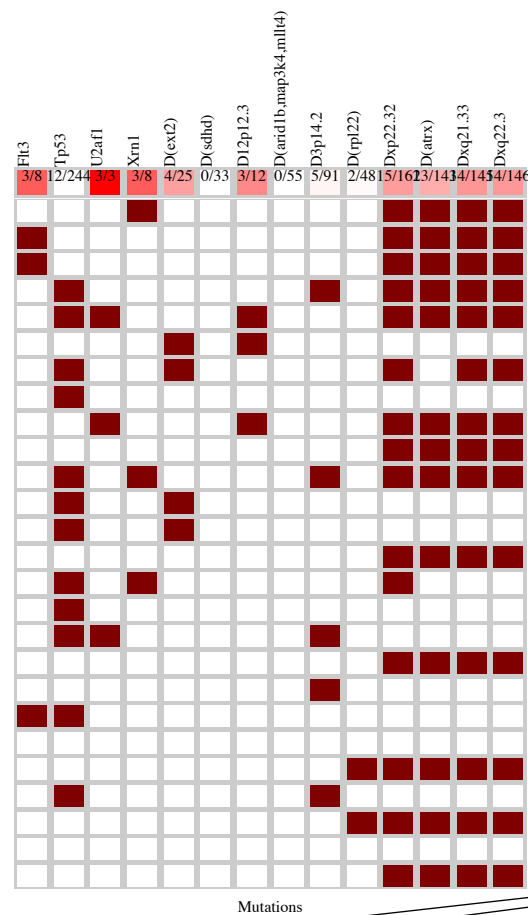
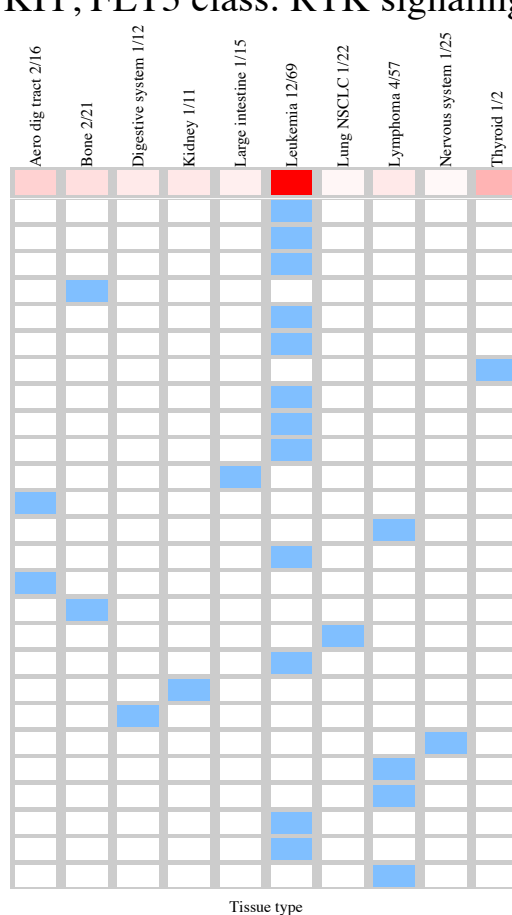
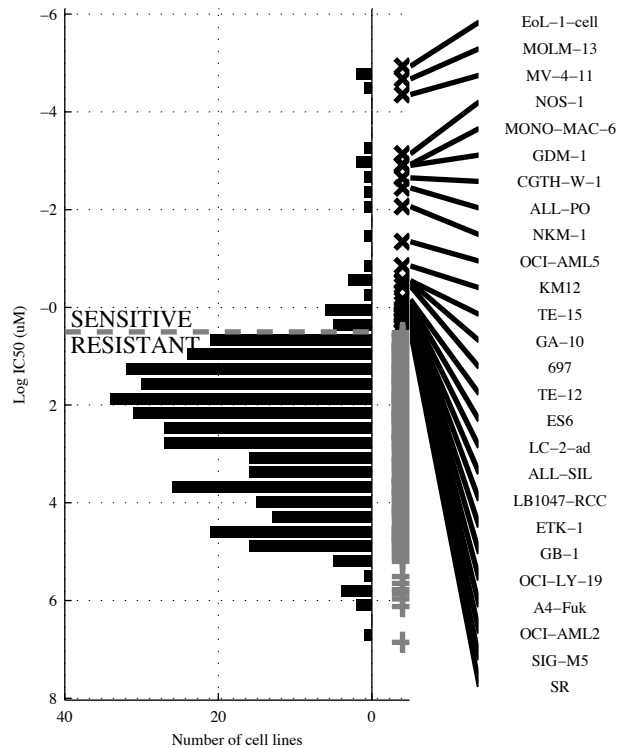
- TGBCITKB
- GA-10
- OCI-B-M
- ETK-1
- MRK-mi-1
- NS-1
- NCI-H1355
- SF39
- RL95-2
- LC-2-ad
- KARPAS-620
- SU-DHL-4
- SW62
- KS-1
- MC116
- NTERA2-clD1
- SU-DHL-6
- KYM-1
- VA-ES-BJ
- MOLP-8
- Daudi
- RPML-8226
- KARPAS-231
- TE-15
- Ramos-2G6-4C10
- BE-13
- SK-LMS-1
- EW-1
- AS-KAW
- SU-DHL-16
- SUP-B15
- TE-8
- KU812
- SH-4
- OPM-2
- KALS-1
- TGBC2ITKB
- KOPN-8
- QIMR-WIL
- 697
- NB13
- CCRF-CEM
- FroggP-2003
- LB1047-RCC
- SK
- HI
- DEL
- SNU-EU
- KE-37
- no-11
- A4-Fuk
- CESS
- SK-PN-DW
- KIN58-1
- SLVL
- RPML-8402
- RPML-6666
- NCI-H720
- Becker
- SGC-M5
- MHH-PREB-1
- EB-3
- LC4-1
- IST-SL2
- OVCAR-4
- KARPAS-422
- HEL



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	PI3K o	d(SYNC&-dXp11.	-a(MYC&d(SYNC&	-d(LARI&d(SYNC&	PI3K o   PI3K o	[d(SYNC&-dXp11.]	ASPM   PI3K o	ASPM  d(BMPRI
			-d(CHD3	-d(RPL&-d17p13		[ -dXq22& PI3K o ]	PI3K o	d(EXT2   PI3K o
TP   FP	6   1	25   56	31   57	34   54	12   5	29   56	15   11	26   51
Specificity	1	0.8	0.8	0.81	0.98	0.81	0.96	0.82
FN   TN	62   285	43   230	37   229	34   232	56   281	39   230	53   275	42   235
Precision	0.86	0.31	0.35	0.39	0.71	0.34	0.58	0.34
Recall	0.088	0.37	0.46	0.5	0.18	0.42	0.22	0.38

PANCAN  
 id: 5 name: Sunitinib  
 target: PDGFRA, PDGFRB, KDR, KIT, FLT3 class: RTK signaling

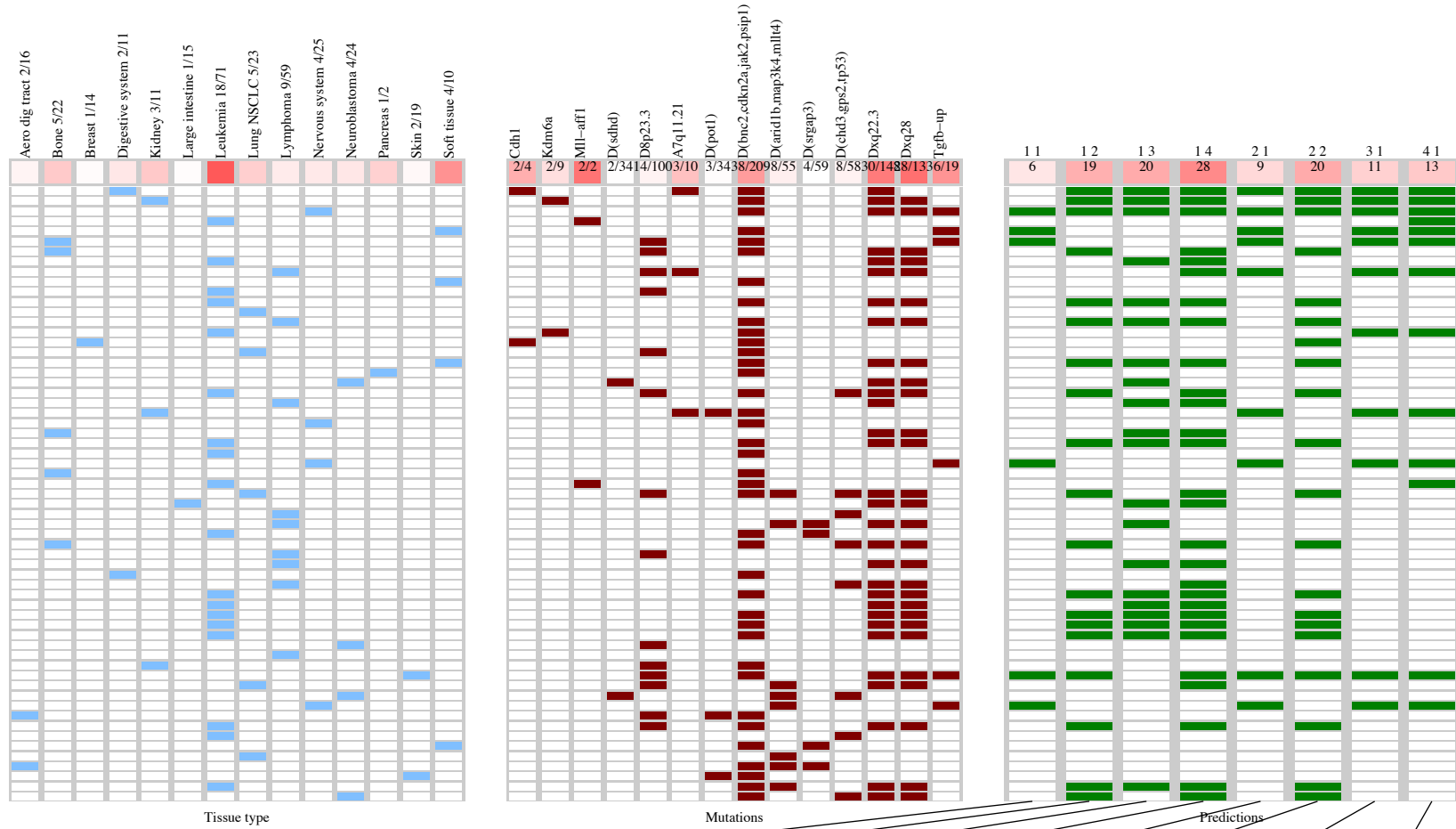
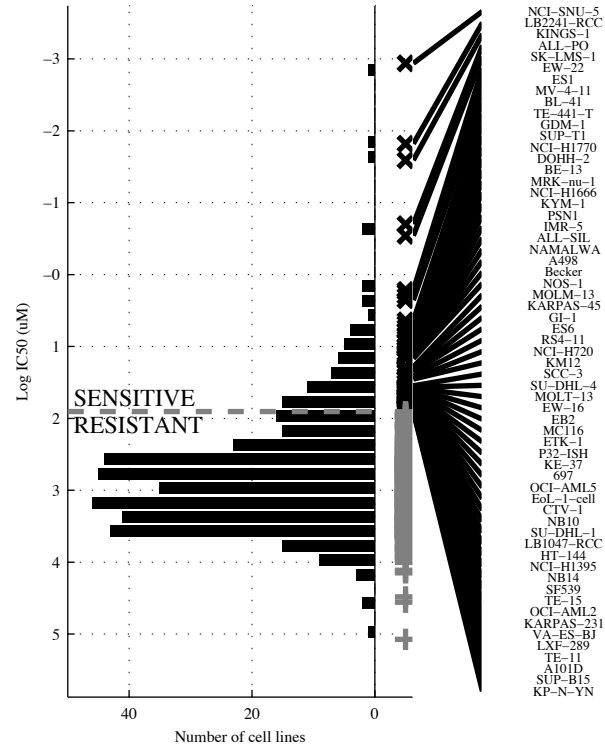
388 cell lines  
 26 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>FLT3</b>	<b>~TP53 &amp; d(ATRX)</b>	<b>~d(SDHI) &amp; ~d3p14 &amp; dXq22.</b>	<b>~d(ARIID) &amp; ~d(RPL) &amp; dXp22. &amp; dXq21.</b>	<b>FLT3   d12p12</b>	<b>[ ~TP53 &amp; d(ATRX)   d(EXT2) &amp; d(ATRX) ]</b>	<b>FLT3   XRN1   d12p12</b>	<b>FLT3   U2AF1   XRN1   d(EXT2)</b>
TP   FP	3   5	10   54	12   72	12   72	6   14	14   65	9   19	13   31
Specificity	0.99	0.85	0.8	0.8	0.96	0.82	0.95	0.91
FN   TN	23   357	16   308	14   290	14   290	20   348	12   297	17   343	13   331
Precision	0.38	0.16	0.14	0.14	0.3	0.18	0.32	0.3
Recall	0.12	0.38	0.46	0.46	0.23	0.54	0.35	0.5

PANCAN  
id: 6 name: PHA-665752  
target: MET class: RTK signaling

396 cell lines  
61 sensitive

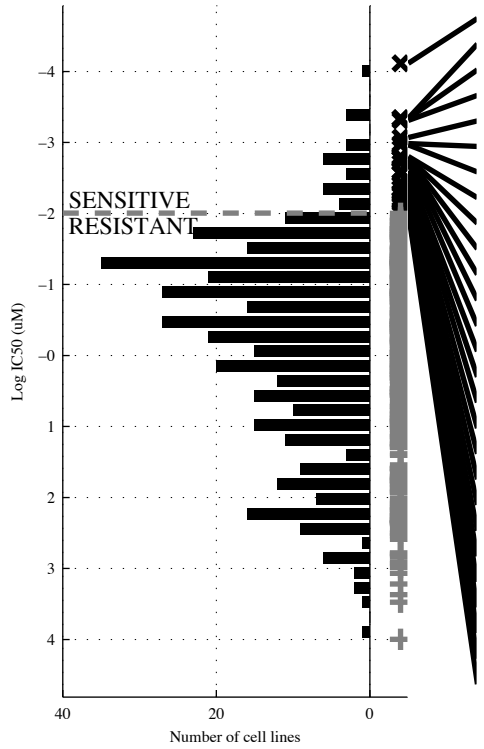


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>TGFB-U</b>	<b>d(BNC2&amp; dXq22.</b>	<b>-d8p23.&amp;d(CHD&amp; dXq22.</b>	<b>-d(SDHI&amp;d(POT &amp; -d(SRGA&amp; dXq22.</b>	<b>a7q11. ITGFB-U</b>	<b>[ d(BNC2&amp; dXq28 ]   [ CDH1 &amp;d(ARID]</b>	<b>KDM6A  a7q11.   TGFB-U</b>	<b>KDM6A MLL-AF  a7q11. ITGFB-U</b>
TP   FP	6   13	19   66	20   56	28   66	9   19	20   57	11   25	13   25
Specificity	0.96	0.8	0.83	0.8	0.94	0.91	0.93	0.91
FN   TN	55   322	42   269	41   279	33   269	52   316	41   278	50   310	48   310
Precision	0.32	0.22	0.26	0.3	0.32	0.3	0.31	0.33
Recall	0.098	0.31	0.33	0.46	0.15	0.2	0.18	0.24

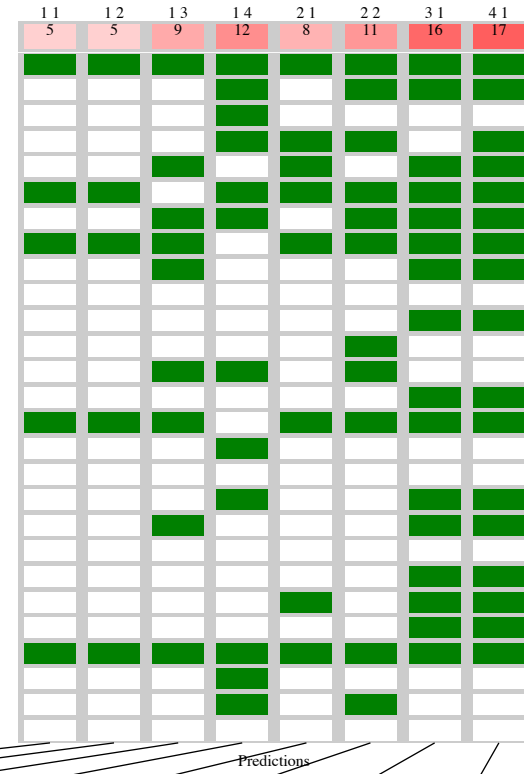
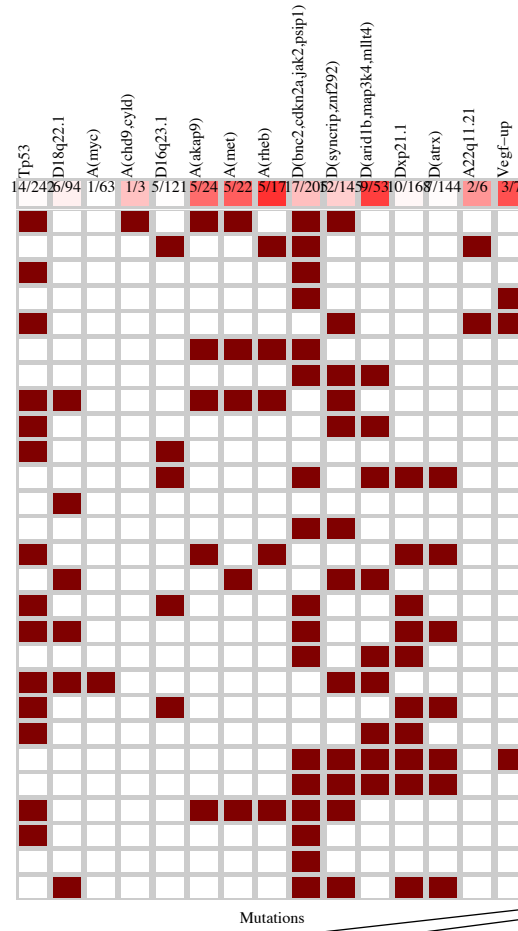
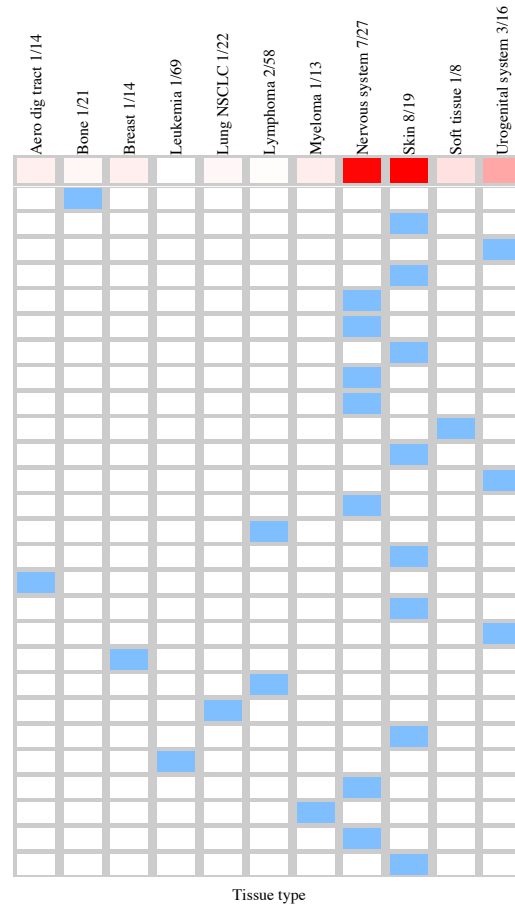


PANCAN  
 id: 9 name: MG-132  
 target: Proteasome class: other

390 cell lines  
 27 sensitive



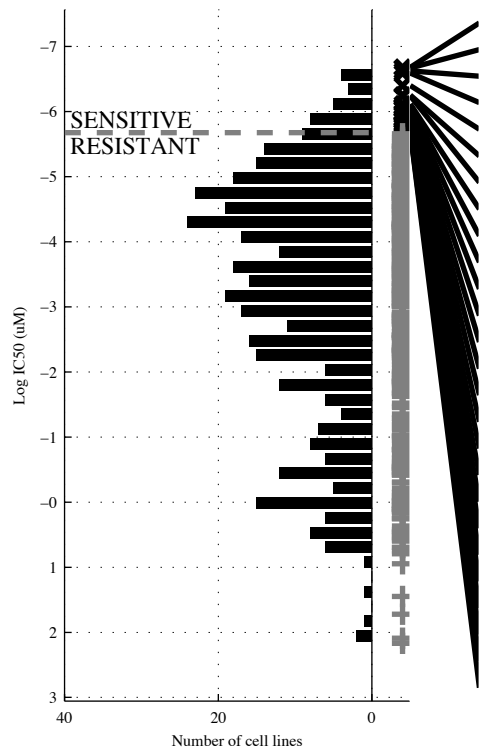
- ES6
- A101D
- DSH1
- LB2518-MEL
- KNS-42
- D-247MG
- SH-4
- D-542MG
- no-10
- SK-UT-1
- CP66-MEL
- NTERA-2 cl.D1
- KS-1
- BL-41
- MMAC-SF
- LB771-HNC
- A388
- NEC8
- OCUB-M
- SU-DHL-6
- LXF-289
- UACC-257
- ML-2
- CAS-1
- OPM-2
- ONS-76
- HT-144



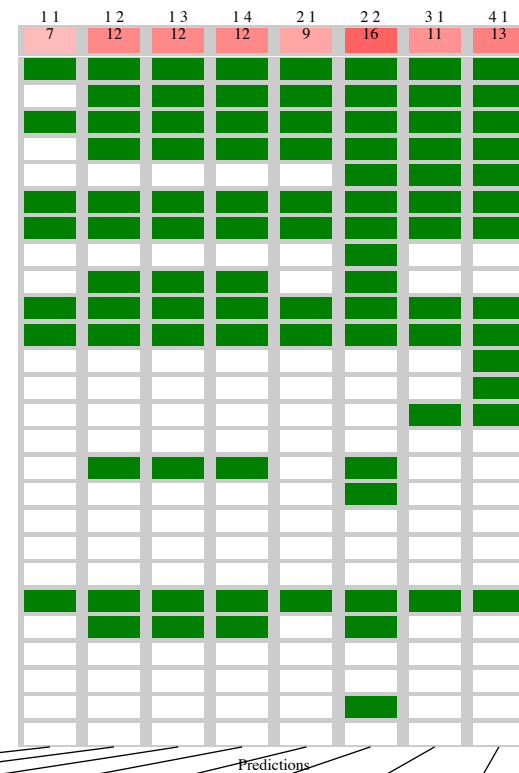
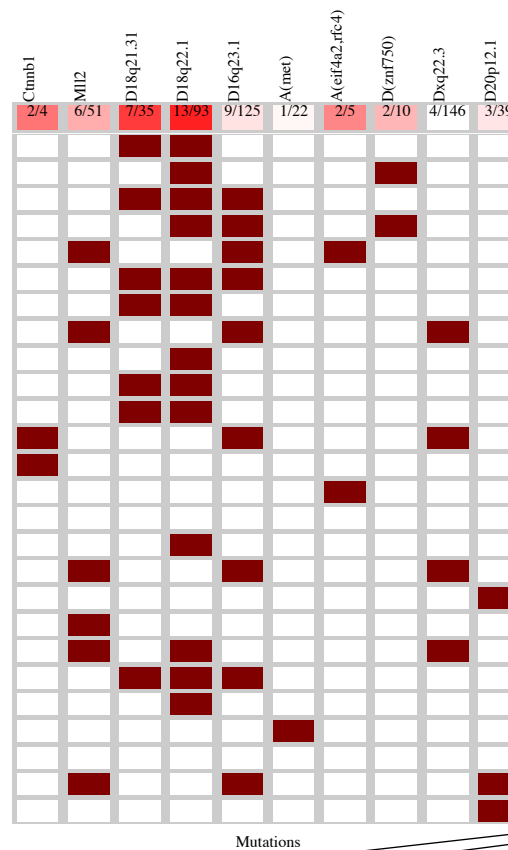
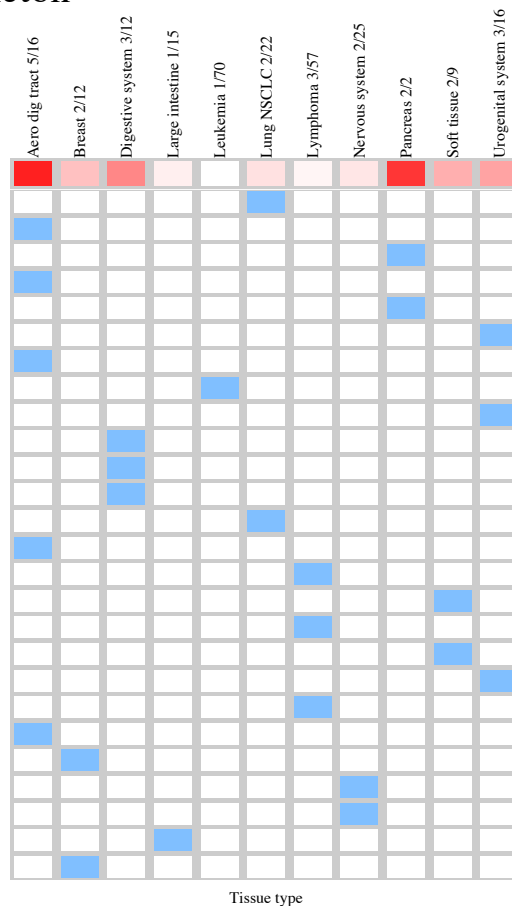
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>a(MET)</b>	<b>-d16q23&amp;a(MET)</b>	<b>-d16q23&amp;d(SYNC&amp;-dXp21.</b>	<b>-d18q22&amp;a(MYC&amp;d(BNC2&amp;d(ATRX</b>	<b>a(MET) IVEGF-U</b>	<b>[ a(MET)&amp;d(SYNC)   [ -TP53 &amp;-dXp21.]</b>	<b>a(AKAP   d(ARID   a22q11</b>	<b>a(CHD9   a(RHEB   d(ARID IVEGF-U</b>
TP   FP Specificity	5   17 0.95	5   8 0.98	9   55 0.85	12   67 0.82	8   20 0.94	11   67 0.82	16   65 0.82	17   62 0.83
FN   TN Precision	22   346 0.23	22   355 0.38	18   308 0.14	15   296 0.15	19   343 0.29	16   296 0.14	11   298 0.2	10   301 0.22
Recall	0.19	0.19	0.33	0.44	0.3	0.41	0.59	0.63

PANCAN  
 id: 11 name: Paclitaxel  
 target: Microtubules class: cytoskeleton

389 cell lines  
 26 sensitive



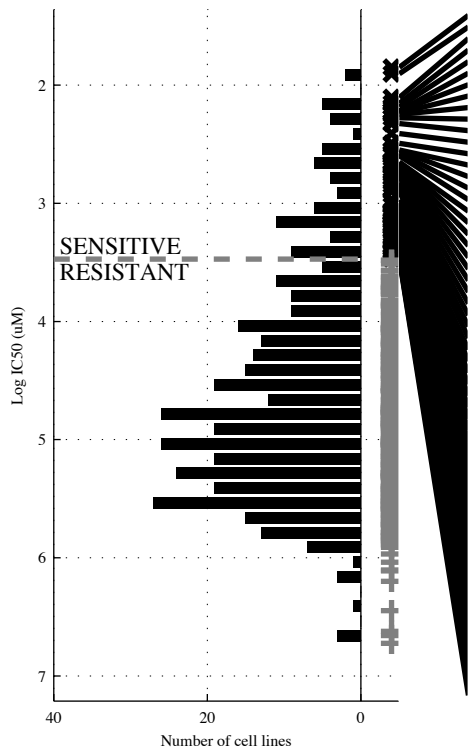
LC-2-ad  
 TE-15  
 PSN1  
 TE-11  
 MZ1-PC  
 SW954  
 TE-8  
 697  
 NTERA-2 cl.D1  
 ETK-1  
 GT3TKB  
 HUTU-80  
 LXF-289  
 TE-10  
 GA-10  
 MFH-ino  
 SU-DHL-6  
 VA-ES-BJ  
 RL95-2  
 OCI-LY-19  
 BB30-HNC  
 OCUB-M  
 GI-1  
 KALS-1  
 RKO  
 MRK-nu-1



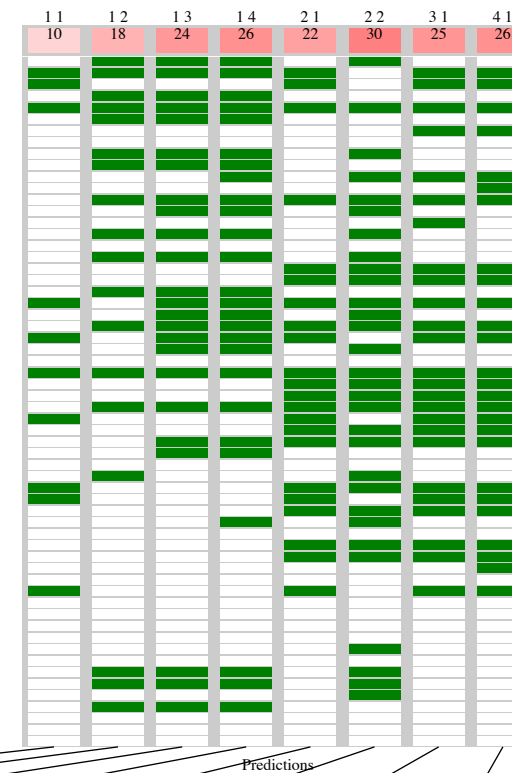
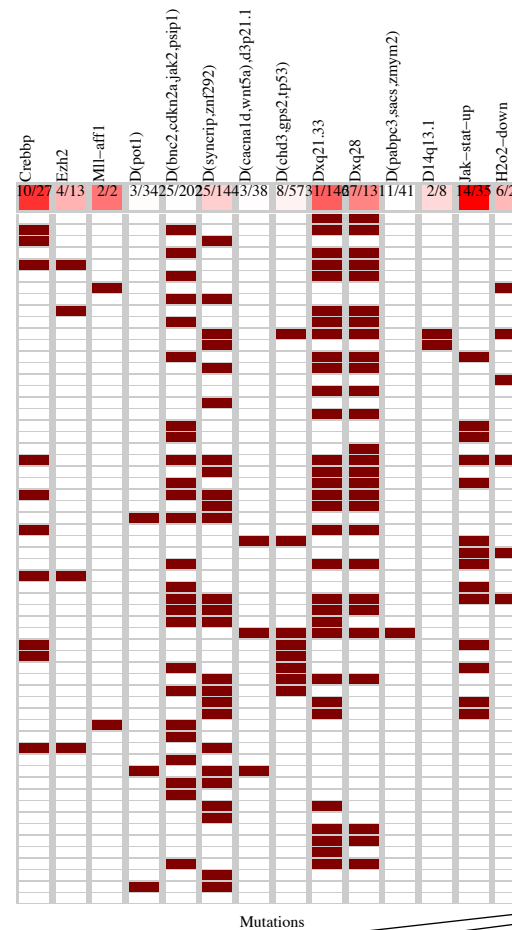
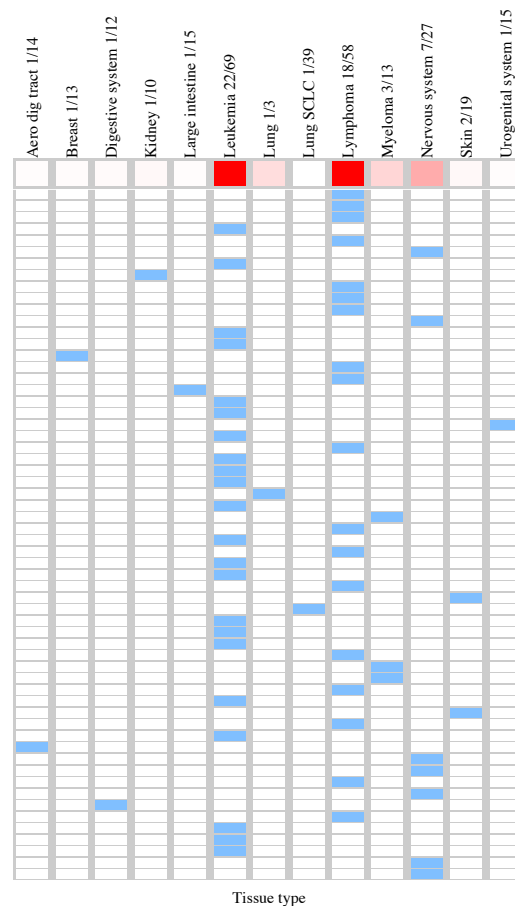
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d18q21</b>	<b>d18q22 &amp; ~dXq22.</b>	<b>d18q22 &amp; ~dXq22 &amp; ~d20p12</b>	<b>d18q22 &amp; a(MET &amp; ~dXq22 &amp; ~d20p12</b>	<b>d18q21   d(ZNF7</b>	<b>[ MLL2 &amp; d16q23 ]   [ d18q22 &amp; ~dXq22.]</b>	<b>d18q21   a(EIF4   d(ZNF7</b>	<b>CTNNB1   d18q21   a(EIF4   d(ZNF7</b>
TP   FP	7   28	12   41	12   33	12   27	9   36	16   53	11   39	13   41
Specificity	0.92	0.89	0.91	0.93	0.9	0.85	0.87	0.89
FN   TN	19   335	14   322	14   330	14   336	17   327	10   310	15   324	13   322
Precision	0.2	0.23	0.27	0.31	0.2	0.23	0.21	0.24
Recall	0.27	0.46	0.46	0.46	0.35	0.62	0.47	0.5

PANCAN  
 id: 17 name: Cyclophamine  
 target: SMO class: other

386 cell lines  
 60 sensitive



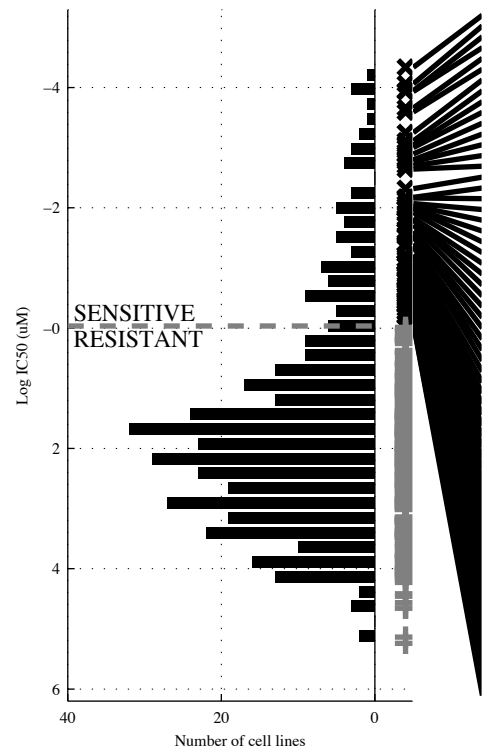
WIL2-NS  
 DOHH-2  
 DE1  
 NALM-6  
 SU-DHL-6  
 8-MG-BA  
 ALL-P0  
 OS-RC-2  
 SU-DHL-4  
 SR  
 P3-ISH  
 no-10  
 CTV-1  
 K562  
 EVSA-T  
 BL-41  
 GA-10  
 LS-513  
 NB-4  
 RPMI-8402  
 NTERA-2 cl.D1  
 ML-2  
 MCF16  
 KE-37  
 EoL-1-cell  
 697  
 IST-MES1  
 MHH-PREB-1  
 ARH-77  
 Daudi  
 OCI-AML2  
 NAL  
 LAMA-84  
 MOLM-13  
 A3-KAW  
 LOXIMVI  
 IST-SL2  
 KCL-22  
 KARPAS-231  
 CMK  
 KARPAS-299  
 L-363  
 RPMI-8226  
 NAMALWA  
 RS4-11  
 COLO-829  
 KARPAS-422  
 PE-382  
 BB30-HNC  
 KS-1  
 D-247MG  
 NU-DUL-1  
 GI-1  
 HUTU-80  
 EB-3  
 ATN-1  
 BV-173  
 HC-1  
 no-11  
 SF539



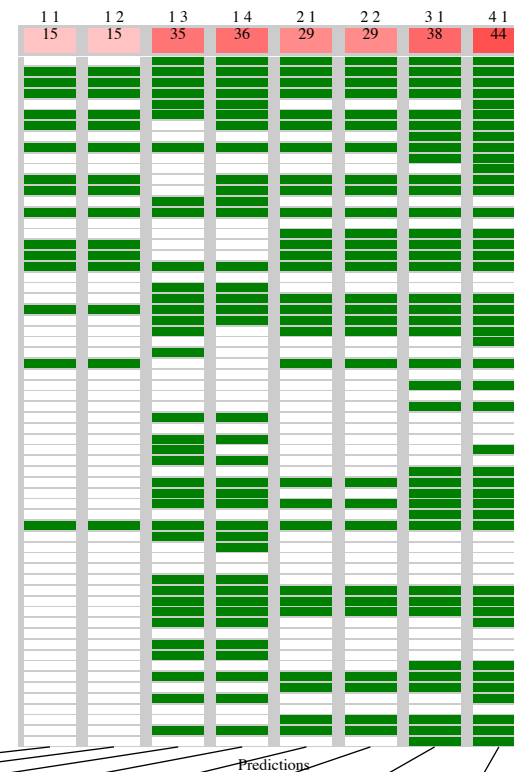
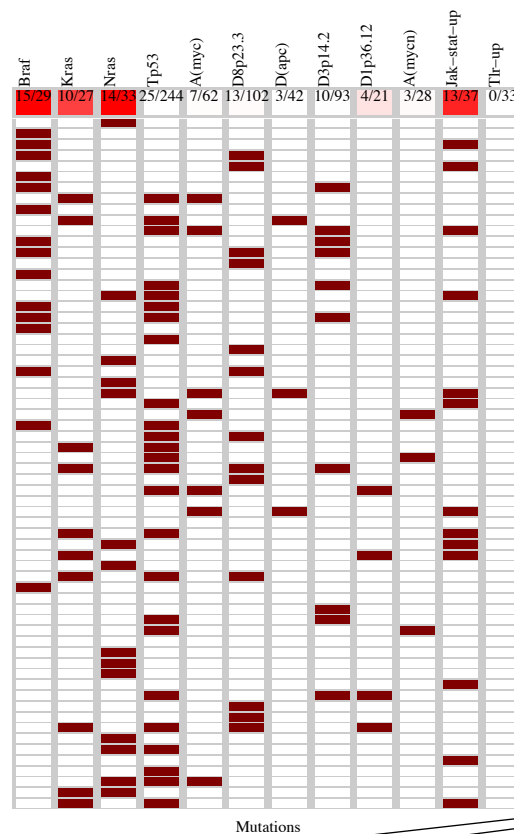
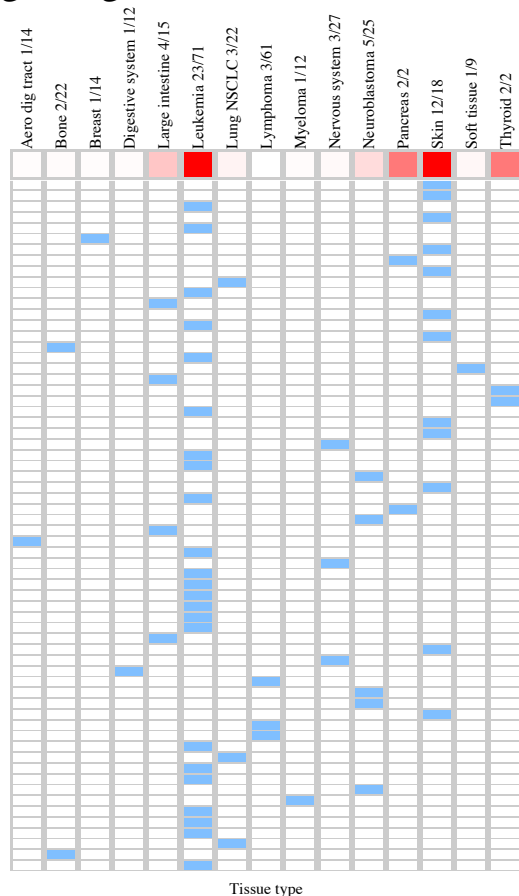
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>CREBBP</b>	<b>-d(SYNG &amp; dXq28</b>	<b>-d(CHD &amp; dXq28 &amp; -d(PABP</b>	<b>-d(POT &amp; d(CAC &amp; dXq28 &amp; -d(PABP</b>	<b>CREBBP   JAK-ST</b>	<b>[ -d(BNC &amp; dXq21. ]   [ -EZH2 &amp; JAK-ST ]</b>	<b>CREBBP   JAK-ST   H2O2-D</b>	<b>CREBBP   MLL-AF   d14q13   JAK-ST</b>
TP   FP	10   17	18   65	24   63	26   60	22   36	30   58	25   47	26   42
Specificity	0.95	0.8	0.81	0.82	0.89	0.82	0.86	0.87
FN   TN	50   309	42   261	36   263	34   266	38   290	30   268	35   279	34   284
Precision	0.37	0.22	0.28	0.3	0.38	0.34	0.35	0.38
Recall	0.17	0.3	0.4	0.43	0.37	0.5	0.42	0.43

PANCAN  
 id: 29 name: AZ628  
 target: BRAF class: ERK MAPK signaling

393 cell lines  
 64 sensitive



- LB2518-MEL
- SH-4
- SH-5
- HT-144
- OCI-AML2
- DU-2475
- A101D
- PSN1
- COSM-29
- Calu-6
- NB-4
- RKO
- UACC-257
- GDM-1
- MMAC-SF
- NOS-1
- KMOE-2
- SW672
- LS-411N
- K5
- CGTH-W-1
- ALL-SIL
- CP66-MEL
- MZ7-mel
- ONS-76
- HL-60
- LAMA-84
- NB69
- IST-MEL1
- EM-9
- MZ1-PC
- NB(TU)1-10
- HCC2998
- BB49-HNC
- JUR1-MK1
- D-59ZMG
- MIG-01
- OCI-AML5
- PL-21
- OCI-AML3
- ML-2
- 697
- NCI-H747
- SK-MEL-1
- KS-1
- NCI-SNU-1
- A4-Fuk
- NB14
- GI-ME-N
- MZ2-MEL
- OCI-LY-19
- ISC-1
- KCL-22
- NCI-H1648
- NIM-1
- BV-173
- LAN-6
- MOLP-8
- ME-1
- MOLM-13
- BE-13
- NCI-H2135
- SISA-1
- NOMO-1

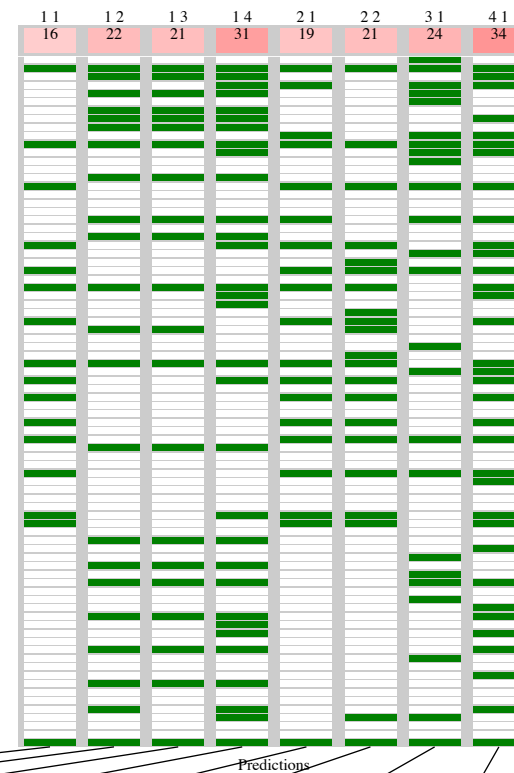
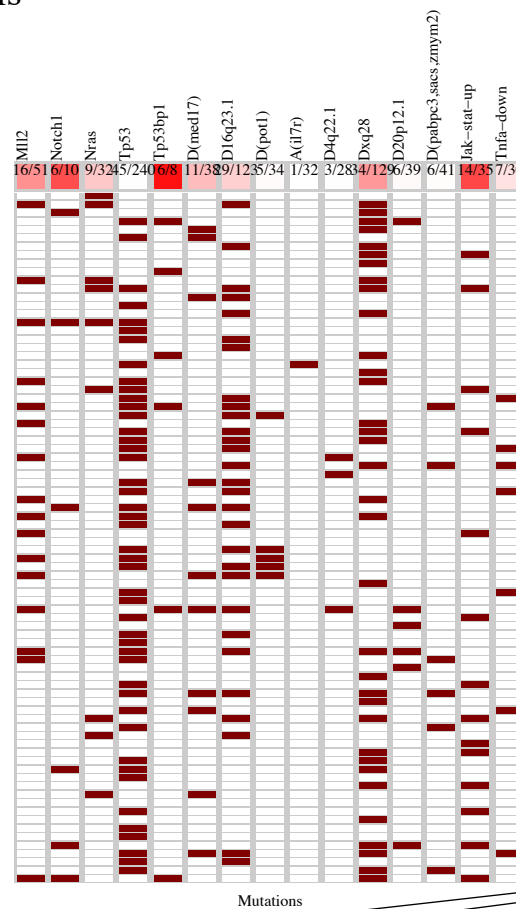
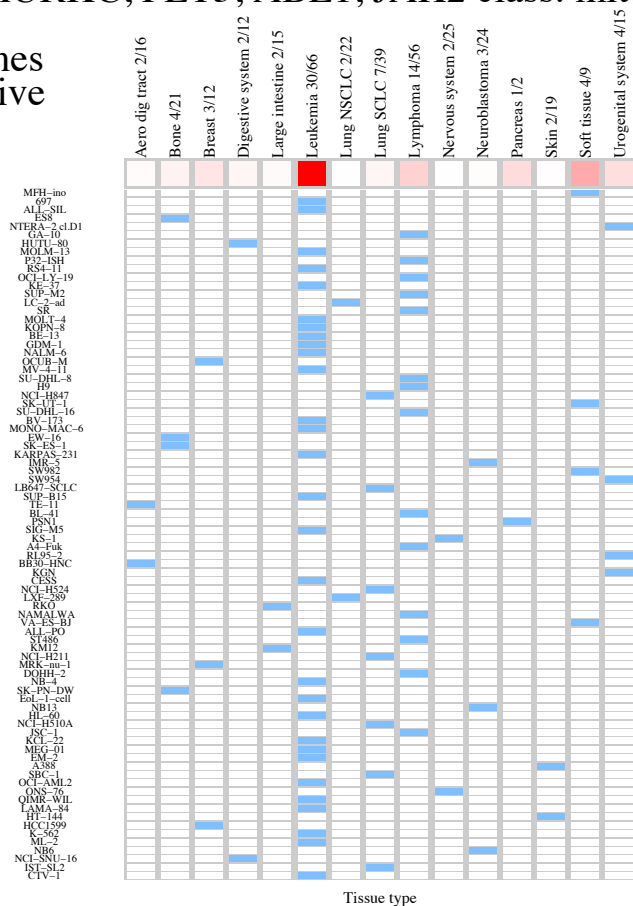
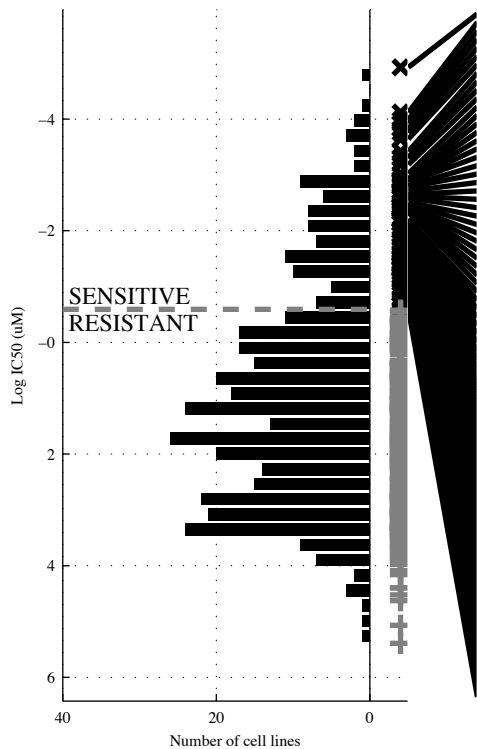


Model name	1.1	1.2	1.3	1.4	2.1	2.2	3.1	4.1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>BRAF</b>	<b>BRAF &amp; ¬d(APC)</b>	<b>¬TP53 &amp; ¬d3p14 &amp; ¬TLR-UP</b>	<b>¬TP53 &amp; a(MYC &amp; TLR-UP)</b>	<b>BRAF   NRAS</b>	<b>[ BRAF &amp; ¬d1p36. ]   [ NRAS &amp; ¬d8p23. ]</b>	<b>BRAF   KRAS   NRAS</b>	<b>BRAF   KRAS   NRAS   JAK-ST</b>
TP   FP	15   14	15   12	35   62	36   65	29   33	29   26	38   49	44   64
Specificity	0.96	0.96	0.81	0.8	0.9	0.92	0.85	0.81
FN   TN	49   315	49   317	29   267	28   264	35   296	35   303	26   280	20   265
Precision	0.52	0.56	0.36	0.36	0.47	0.54	0.44	0.41
Recall	0.23	0.23	0.55	0.56	0.45	0.45	0.59	0.69



PANCAN  
 id: 32 name: VX-680  
 target: AURKA, AURKB, AURKC, FLT3, ABL1, JAK2 class: mitosis

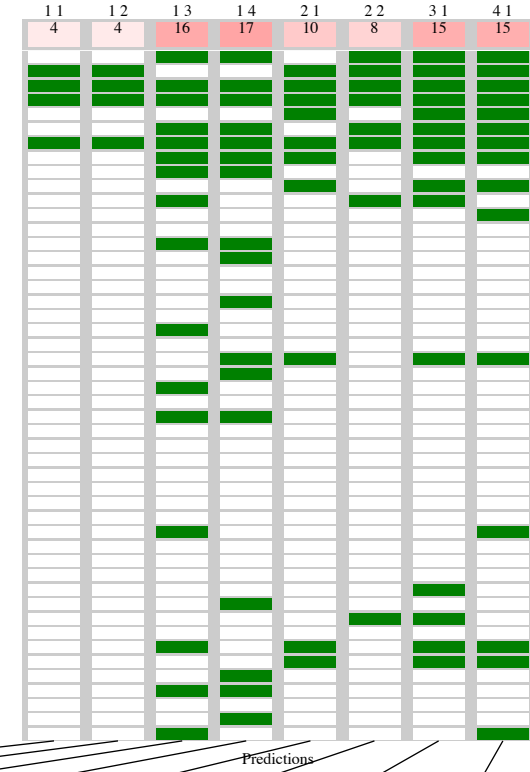
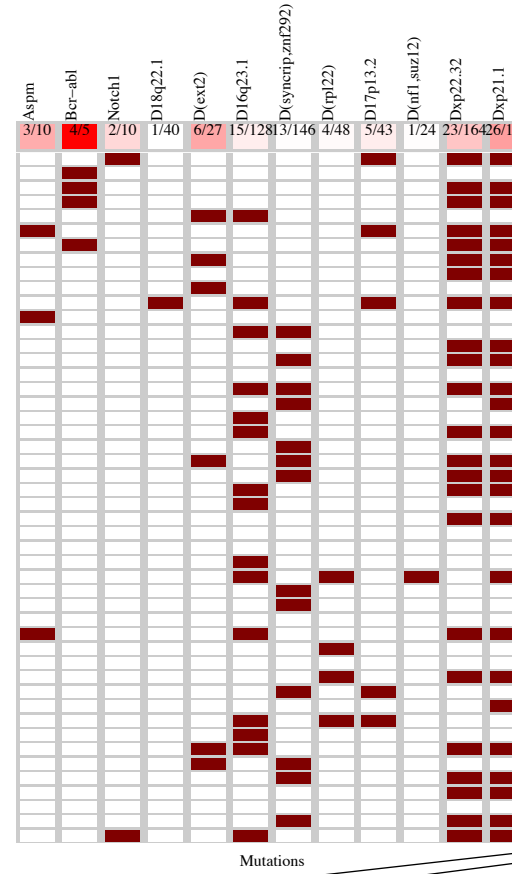
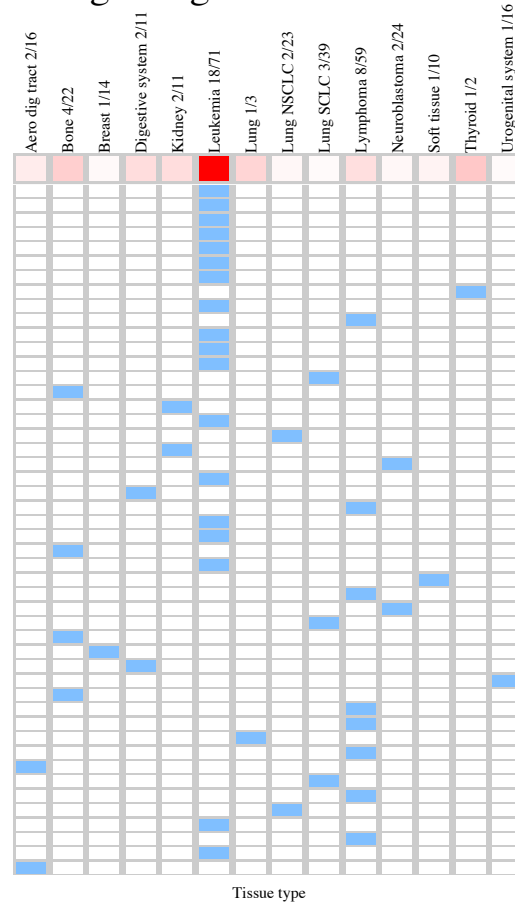
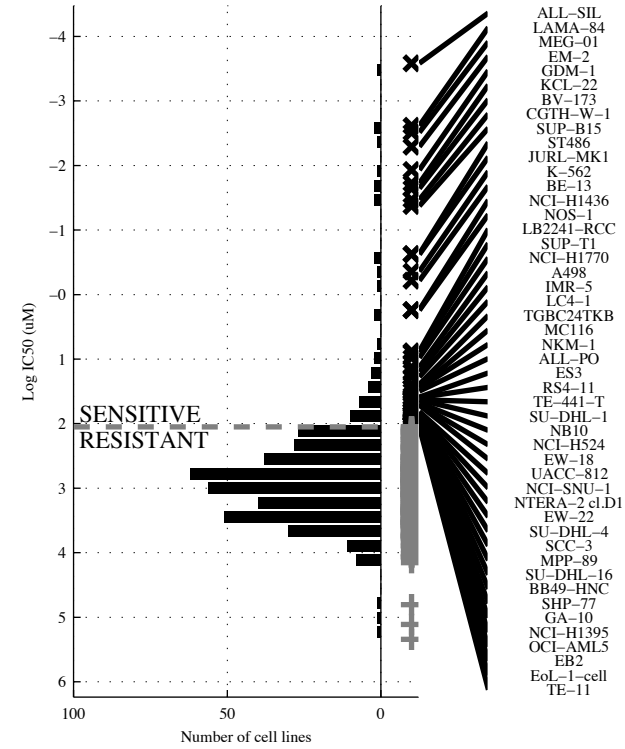
383 cell lines  
 82 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
M																
Logic formula	<b>MLL2</b>		<b>-TP53 &amp; dXq28</b>		<b>-TP53 &amp; dXq28 &amp; -d20p12</b>		<b>-d(POT) &amp; -d4q22.1 &amp; dXq28 &amp; -d(PABP)</b>		<b>MLL2   TP53BP</b>		<b>[ d16q23 &amp; TNFa-D ]   [ MLL2 &amp; -a(IL7R) ]</b>		<b>NRAS   TP53BP   d(MED1)</b>		<b>MLL2 NOTCH1   TP53BP   JAK-ST</b>	
TP   FP	16   35	22   40	21   31	31   54	19   36	21   30	24   48	34   59	63   265	61   271	58   253	48   242	48   242	48   242	48   242	48   242
Specificity	0.88	0.87	0.9	0.82	0.88	0.86	0.84	0.84	0.35	0.4	0.29	0.33	0.37	0.37	0.37	0.37
Precision	0.31	0.35	0.4	0.36	0.23	0.4	0.33	0.37	0.35	0.32	0.29	0.33	0.37	0.37	0.37	0.37
Recall	0.2	0.27	0.26	0.38	0.23	0.32	0.29	0.35	0.23	0.32	0.29	0.29	0.35	0.35	0.35	0.35
FN   TN	66   266	60   261	61   270	51   247	63   265	61   271	58   253	48   242	63   265	61   271	58   253	48   242	48   242	48   242	48   242	48   242

PANCAN  
 id: 34 name: Imatinib  
 target: ABL, KIT, PDGFR class: ABL signaling

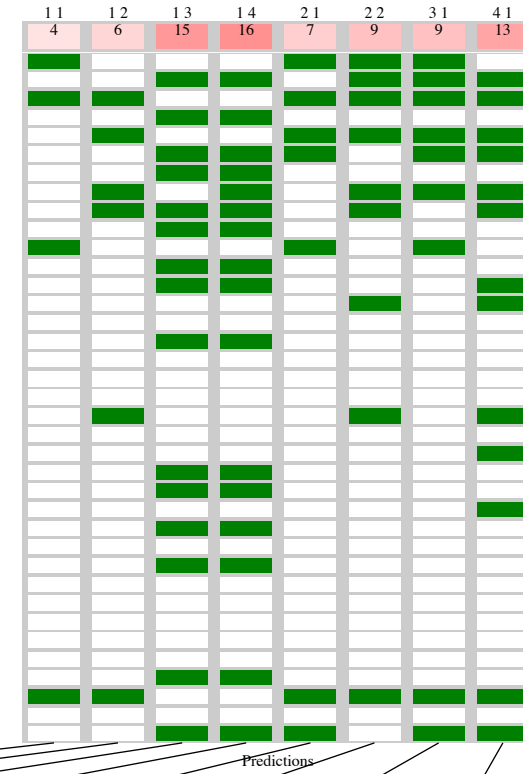
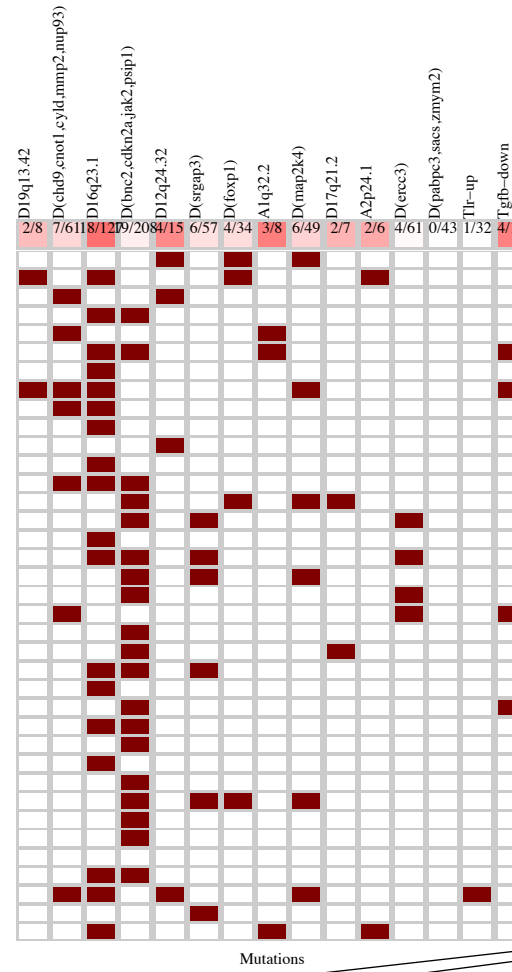
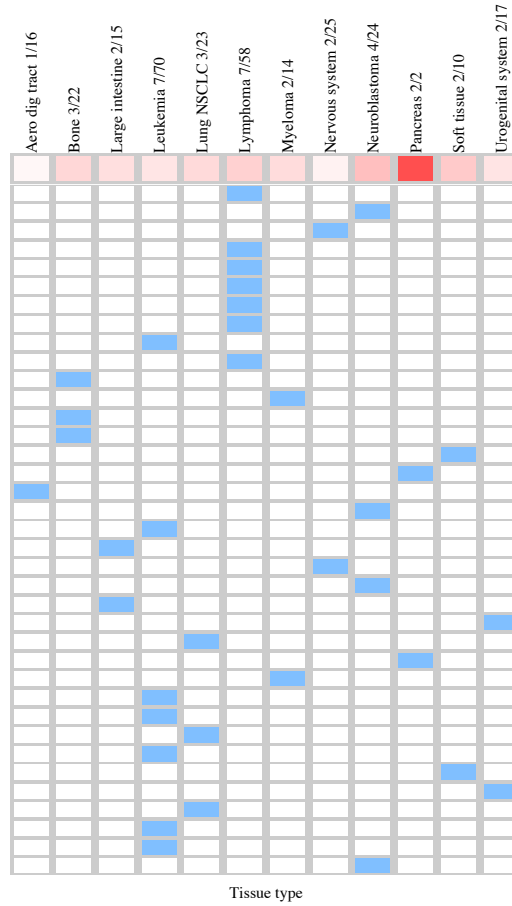
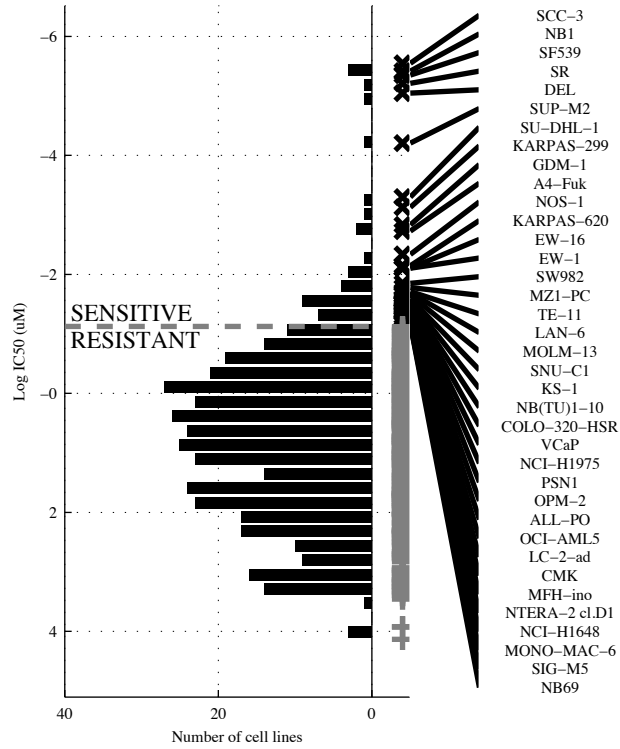
396 cell lines  
 48 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	3	4	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>BCR-AB</b>	<b>BCR-AB &amp; -d(NF1,</b>	<b>-d(SYNG &amp; -d(RPL &amp;</b>	<b>-d18q22 &amp; -d16q23 &amp;</b>	<b>BCR-ABI d(EXT2</b>	<b>[BCR-AB &amp; -d16q23]</b>	<b>BCR-ABI d(EXT2  </b>	<b>ASPM   BCR-ABI</b>
			<b>dXp22.</b>	<b>-d(RPL &amp; dXp21.</b>		<b> </b>	<b>d17p13</b>	<b>NOTCH1   d(EXT2</b>
						<b>[ -d(SYNG &amp; d17p13 ]</b>		
TP   FP	4   1	4   0	16   69	17   59	10   22	8   22	15   57	15   37
Specificity	0.8	1	0.8	0.83	0.94	0.94	0.84	0.89
FN   TN	44   347	44   348	32   279	31   289	38   326	40   326	33   291	33   311
Precision	0.083	0.083	0.19	0.22	0.31	0.27	0.21	0.29
Recall	0.083	0.083	0.33	0.35	0.21	0.17	0.31	0.31

PANCAN  
 id: 35 name: NVP-TAE684  
 target: ALK class: RTK signaling

395 cell lines  
 37 sensitive



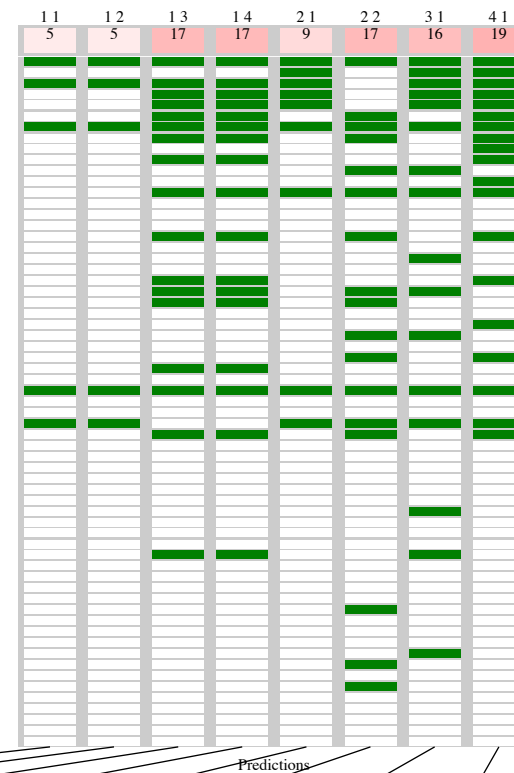
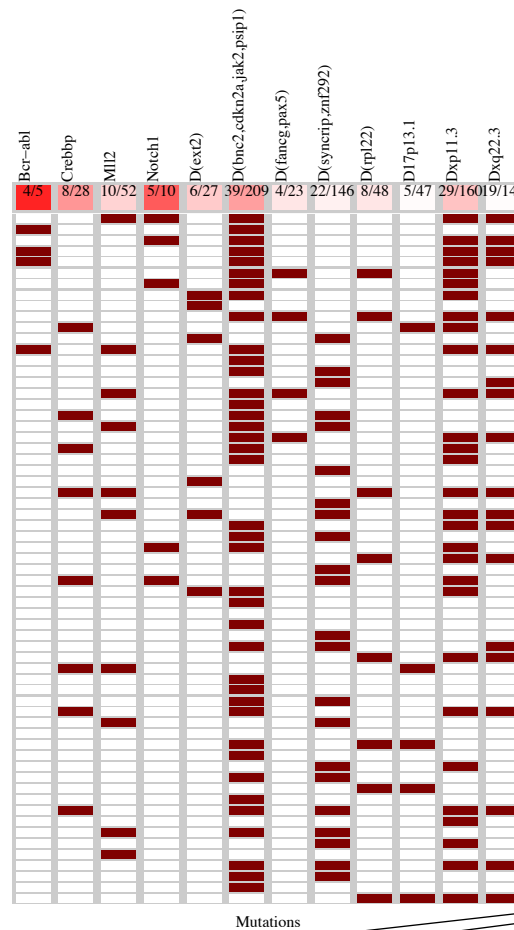
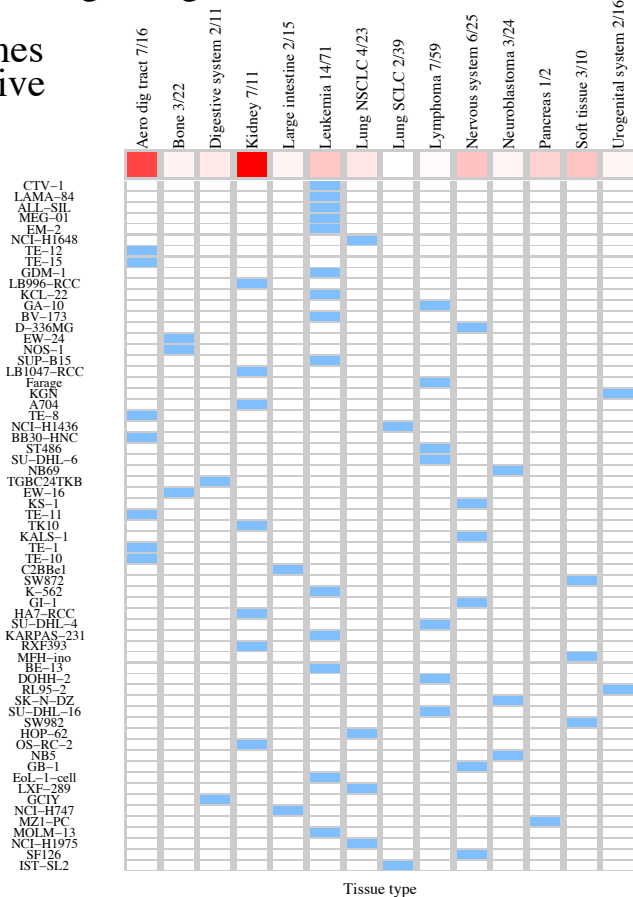
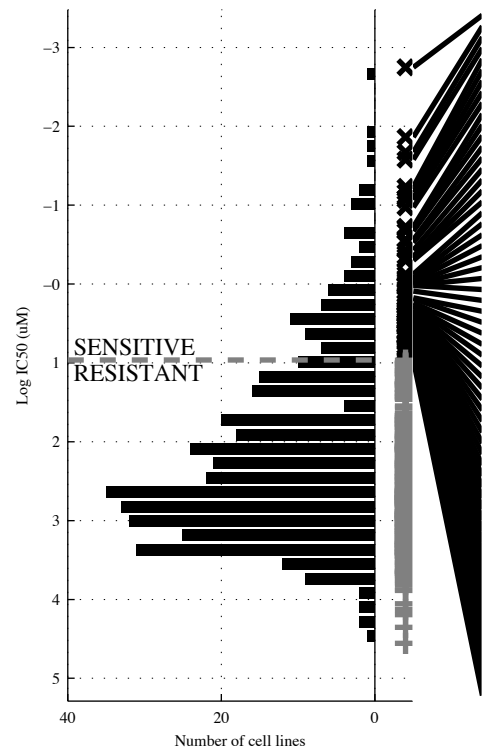
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d12q24</b>	<b>d(CHD9)&amp;d(BNC2)</b>	<b>d16q23&amp;d(MAP2K4)</b> <b>-d(ERCC)</b>	<b>d16q23&amp;d(ERCC)</b> <b>-d(PABPC3)&amp;TLR-UP</b>	<b>d12q24   a1q32.</b>	<b>[d(CHD9)&amp;d(BNC2)]</b> <b> </b> <b>[-d(SRGA)&amp;d(FOXP)]</b>	<b>d19q13   d12q24  </b> <b>a1q32.</b>	<b>d(CHD9)   d17q21  </b> <b>a2p24. ITGFB-D</b>
TP   FP	4   11	6   21	15   69	16   63	7   16	9   29	9   22	13   66
Specificity	0.97	0.94	0.81	0.82	0.96	0.92	0.94	0.81
FN   TN	33   347	31   337	22   289	21   295	30   342	28   329	28   336	24   292
Precision	0.27	0.22	0.18	0.2	0.3	0.24	0.29	0.17
Recall	0.11	0.16	0.41	0.43	0.19	0.24	0.24	0.36





PANCAN  
 id: 38 name: AZD-0530  
 target: SRC, ABL1 class: ABL signaling

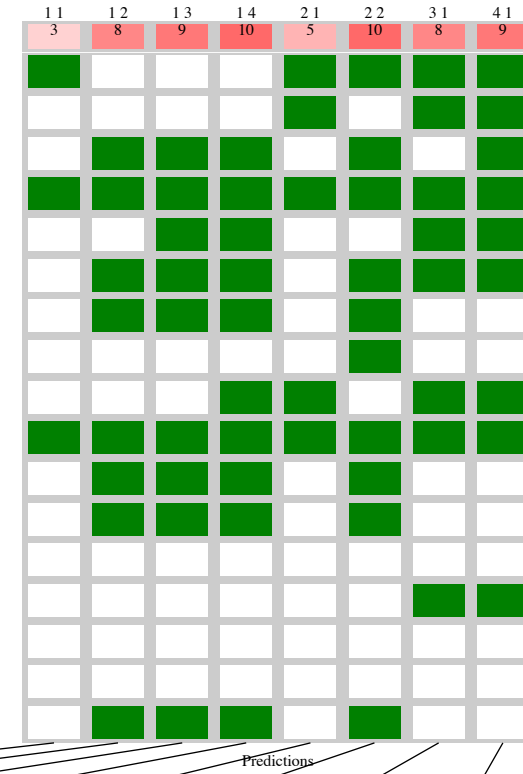
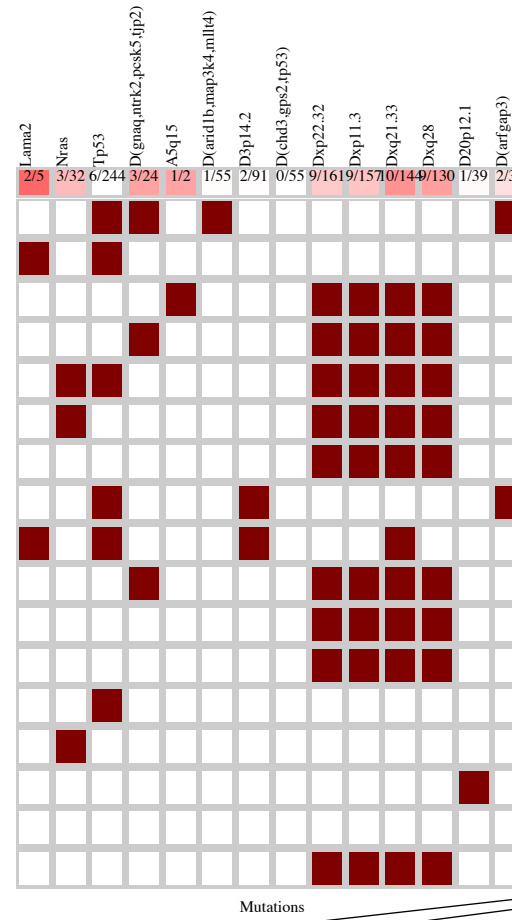
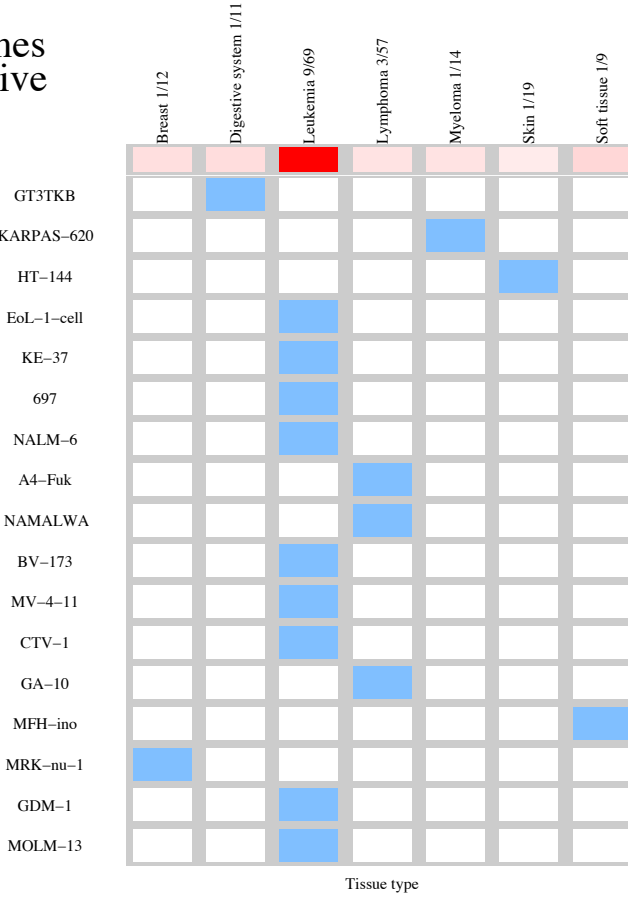
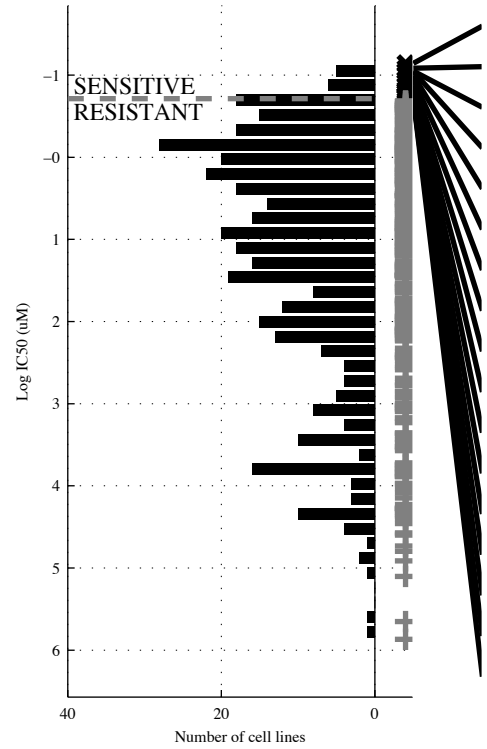
396 cell lines  
 63 sensitive



Model name	11	12	13	14	21	22	31	41
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>NOTCH1</b>	<b>NOTCH1&amp;d(RPL2)</b>	<b>d(BNC2&amp;d(SYNG&amp;dXp11.</b>	<b>d(BNC2&amp;d(SYNG&amp;~d17p13&amp;dXp11.</b>	<b>BCR-ABNOTCH1</b>	<b>[ dXp11.&amp;~dXq22.]   [ MLL2 &amp;dXp11. ]</b>	<b>BCR-ABCREBBP1</b>	<b>BCR-ABNOTCH1   d(EXT2   d(FANC</b>
Specificity	5   5 0.98	5   3 0.99	17   44 0.87	17   34 0.9	9   6 0.98	17   33 0.93	16   25 0.92	19   44 0.87
Precision	58   328 0.5	58   330 0.63	46   289 0.28	46   299 0.33	54   327 0.6	46   300 0.45	47   308 0.39	44   289 0.3
Recall	0.079	0.079	0.27	0.27	0.14	0.24	0.25	0.3

PANCAN  
 id: 41 name: S-Trityl-L-cysteine  
 target: KIF11 class: mitosis

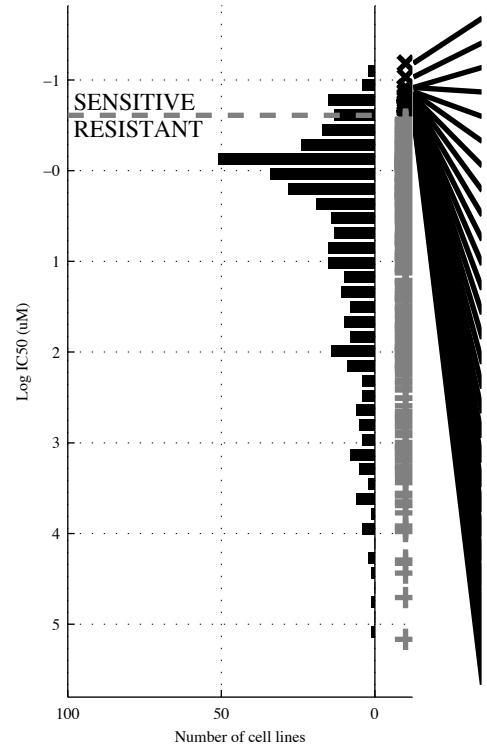
387 cell lines  
 17 sensitive



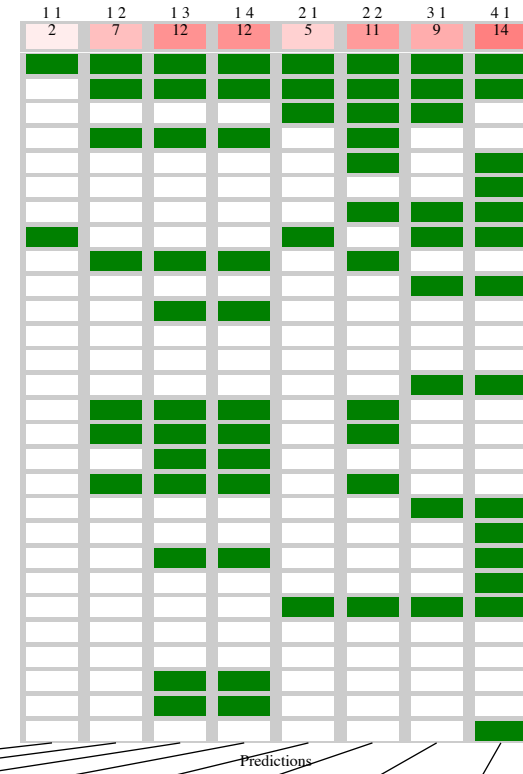
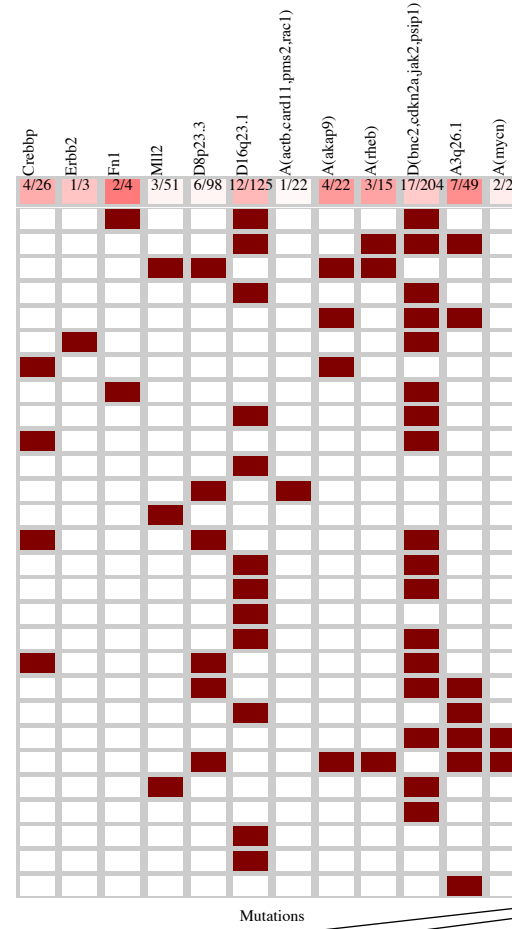
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d(GNAQ)</b>	<b>-TP53 &amp; dXp11.</b>	<b>-d3p14.&amp;d(CHD&amp; dXq28</b>	<b>-d(ARID&amp;d(CHD&amp; dXq21.&amp;-d20p12</b>	<b>LAMA2 d(GNAQ</b>	<b>[ -TP53 &amp; dXq28 ]   [-dXp22&amp;d(ARFG]</b>	<b>LAMA2  NRAS   d(GNAQ</b>	<b>LAMA2  NRAS   d(GNAQ  a5q15</b>
TP   FP Specificity	3   21 0.94	8   57 0.85	9   58 0.84	10   68 0.82	5   24 0.94	10   62 0.83	8   50 0.86	9   51 0.86
FN   TN Precision	14   349 0.13	9   313 0.12	8   312 0.13	7   302 0.13	12   346 0.17	7   308 0.14	9   320 0.14	8   319 0.14
Recall	0.18	0.47	0.53	0.59	0.29	0.59	0.47	0.53

PANCAN  
 id: 45 name: Z-LLNle-CHO  
 target: g-secretase class: other

388 cell lines  
 28 sensitive



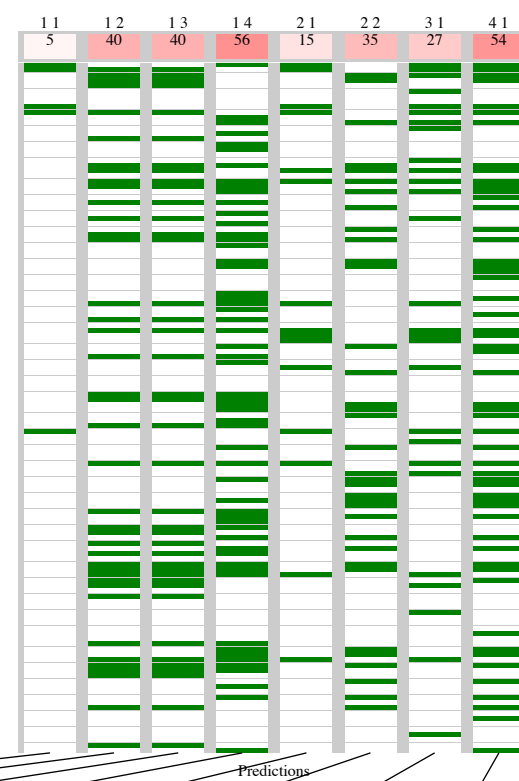
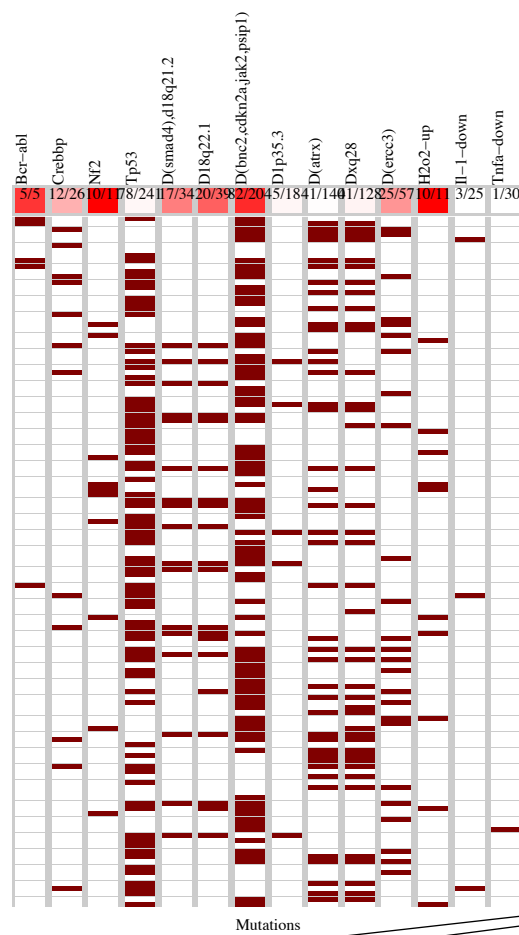
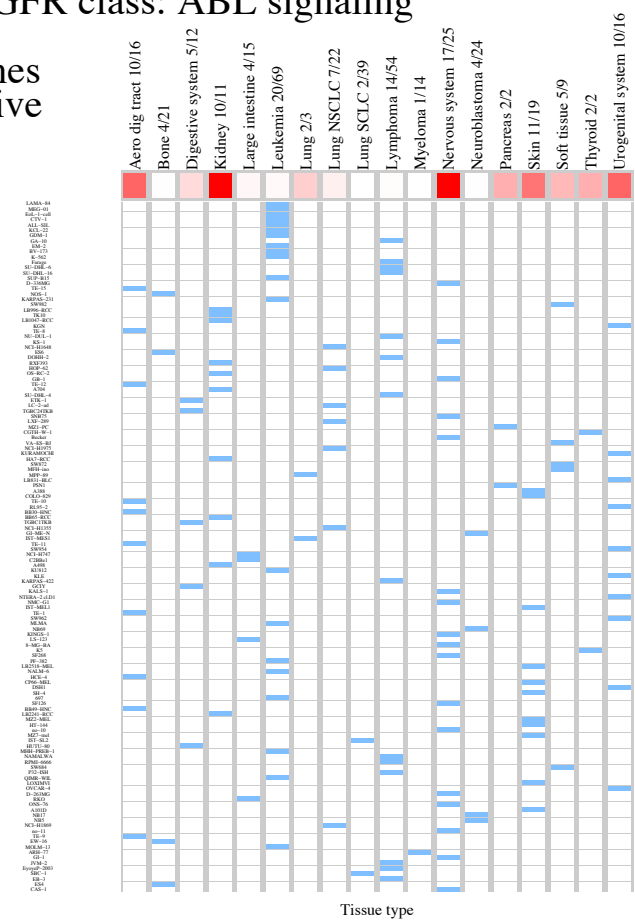
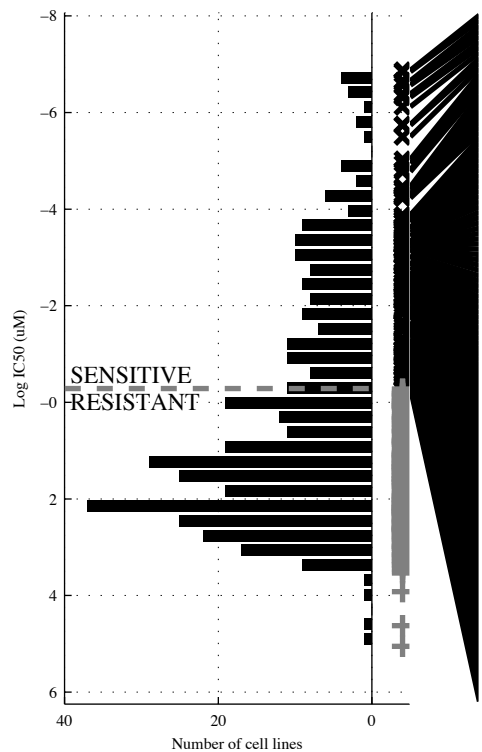
BE-13  
 A101D  
 BL-41  
 SR  
 ES6  
 DSH1  
 OCI-M1  
 RS4-11  
 KE-37  
 ML-2  
 L-540  
 OCUB-M  
 SU-DHL-8  
 HT-144  
 SUP-M2  
 JJN-3  
 LOUCY  
 PSN1  
 TE-8  
 HCC1599  
 RPMI-8226  
 AMO-1  
 ATN-1  
 SUP-B15  
 PF-382  
 KLE  
 Ramos-2G6-4C10  
 CESS



Model name	11	12	13	14	21	22	31	41
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>FN1</b>	<b>d16q23 &amp; d(BNC2)</b>	<b>-d8p23 &amp; d16q23 &amp; -a(MYCN)</b>	<b>-MLL2 &amp; -d8p23 &amp; d16q23 &amp; a(MYCN)</b>	<b>FN1   a(RHEB)</b>	<b>[ -a(ACTB) &amp; a(AKAP)   [ d16q23 &amp; d(BNC2) ]</b>	<b>CREBBP   FN1   a(RHEB)</b>	<b>CREBBP   ERBB2   FN1   a3q26.</b>
TP   FP	2   2	7   51	12   65	12   50	5   14	11   58	9   35	14   65
Specificity	0.99	0.86	0.82	0.86	0.96	0.84	0.91	0.82
FN   TN	26   358	21   309	16   295	16   310	23   346	17   302	19   325	14   295
Precision	0.5	0.12	0.16	0.19	0.26	0.16	0.21	0.18
Recall	0.071	0.25	0.43	0.43	0.18	0.39	0.29	0.5

PANCAN  
 id: 51 name: Dasatinib  
 target: ABL, SRC, KIT, PDGFR class: ABL signaling

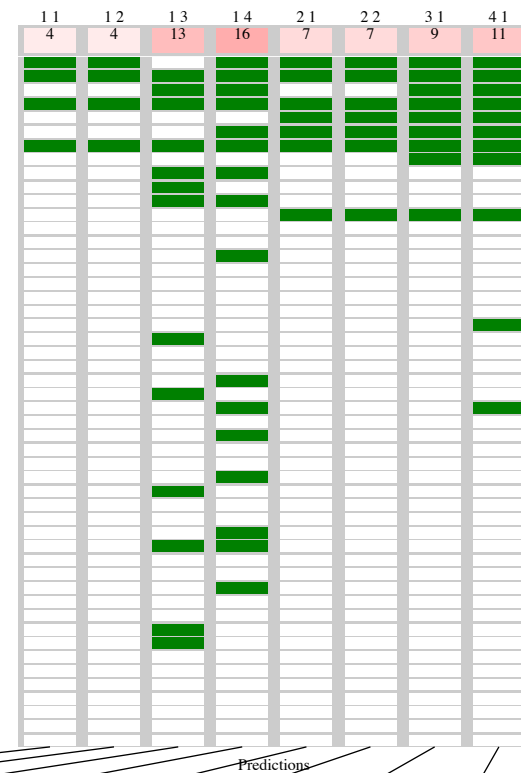
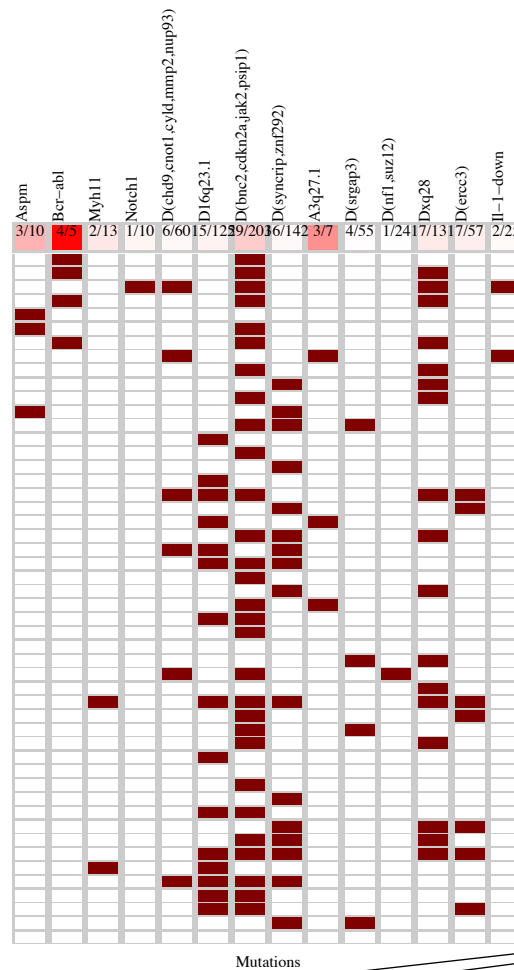
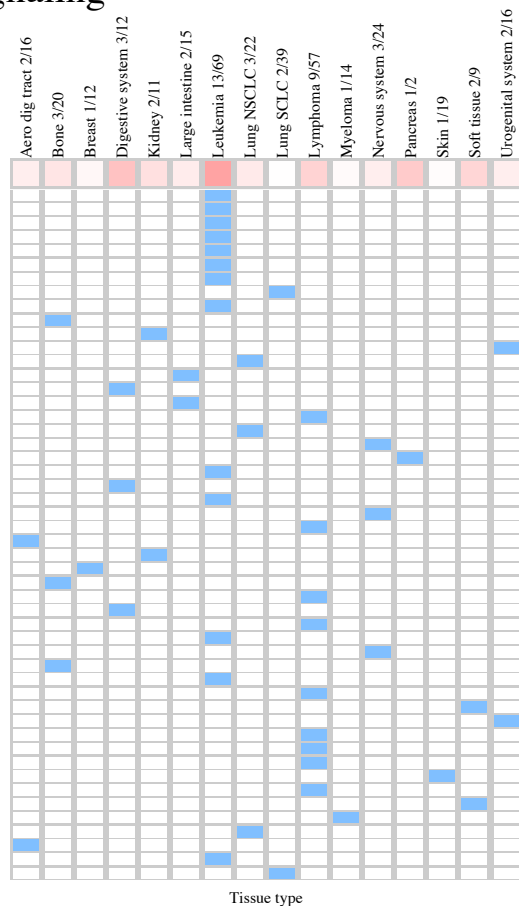
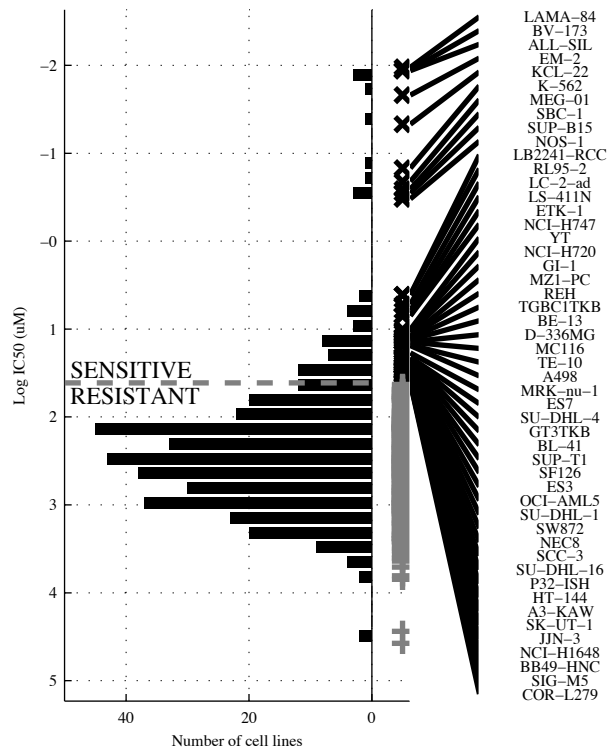
385 cell lines  
 130 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>BCR-AB</b>	<b>-TP53 &amp; d(BNC2</b>	<b>-TP53 &amp; d(BNC2&amp;</b>	<b>d(BNC2&amp;d(ATRX&amp;</b>	<b>BCR-ABI NF2</b>	<b>[ d18q22-&amp;dXq28 ]</b>	<b>BCR-ABICREBBP1</b>	<b>BCR-ABId(SMAD1</b>
			<b>-d1p35.</b>	<b>-IL-1-&amp;TNFa-D</b>		<b>[ d(BNC2&amp;d(ERCC]</b>	<b>NF2</b>	<b>d(ERCCIH2O2-U</b>
TP   FP Specificity	5   0	40   51	40   45	56   50	15   1	35   23	27   15	54   44
FN   TN Precision	125   255	90   204	90   210	74   205	115   254	95   232	103   240	76   211
Recall	0.038	0.31	0.31	0.42	0.12	0.22	0.21	0.42

PANCAN  
 id: 52 name: GNF-2  
 target: ABL [T315I] class: ABL signaling

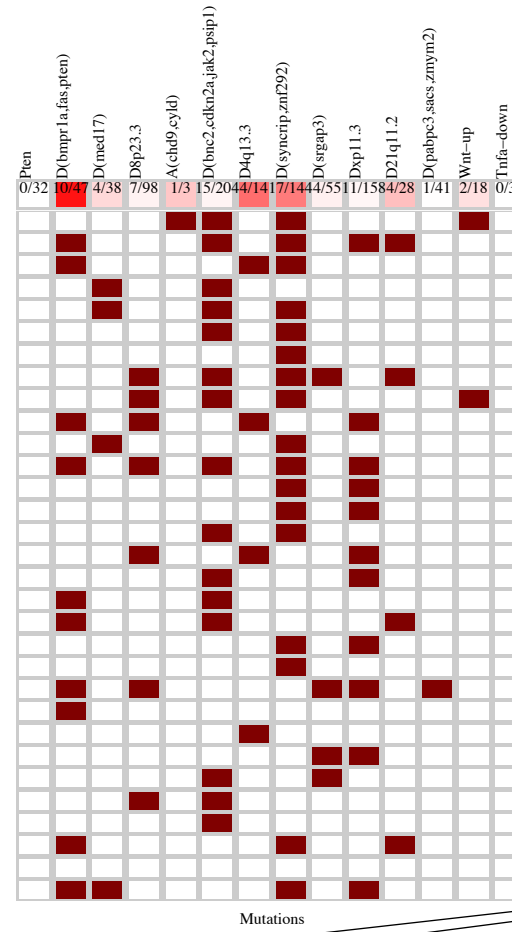
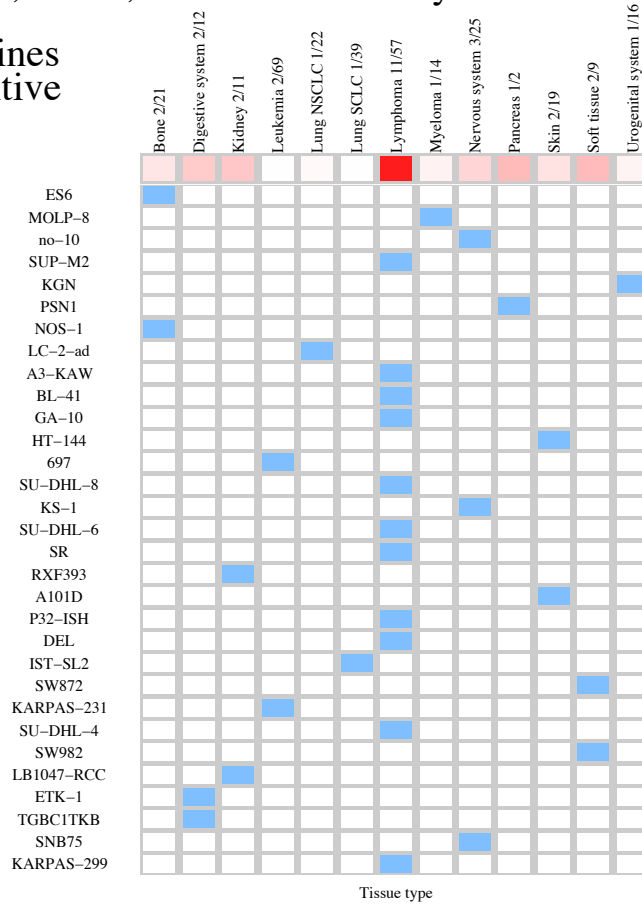
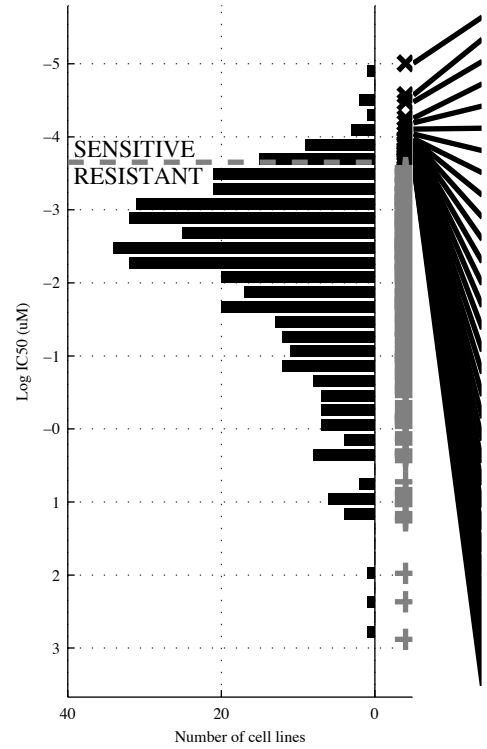
386 cell lines  
 50 sensitive



Model name	11	12	13	14	21	22	31	41
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>BCR-AB</b>	<b>BCR-AB &amp; -d(NF1)</b>	<b>-d16q23 &amp; d(SRGA) &amp; dXq28</b>	<b>-d16q23 &amp; d(BNC2) &amp; -d(SYNG) &amp; d(ERCC)</b>	<b>ASPM   BCR-AB</b>	<b>[ ASPM &amp; -MYH11 ]   [ BCR-AB &amp; d(CHD9) ]</b>	<b>ASPM   BCR-AB   IL-1-D</b>	<b>ASPM   BCR-AB   NOTCH1   a3q27.</b>
Specificity	4 / 46	1 / 46	13 / 37	16 / 34	7 / 43	7 / 43	9 / 41	11 / 39
Precision	1 / 335	0 / 336	52 / 284	64 / 272	8 / 328	5 / 331	31 / 305	20 / 316
Recall	0.8	0.08	0.85	0.81	0.98	0.99	0.91	0.94
			0.2	0.2	0.47	0.63	0.23	0.35
			0.26	0.32	0.14	0.14	0.18	0.22

PANCAN  
 id: 53 name: CGP-60474  
 target: CDK1,CDK2,CDK5,CDK7,CDK9 class: cell cycle

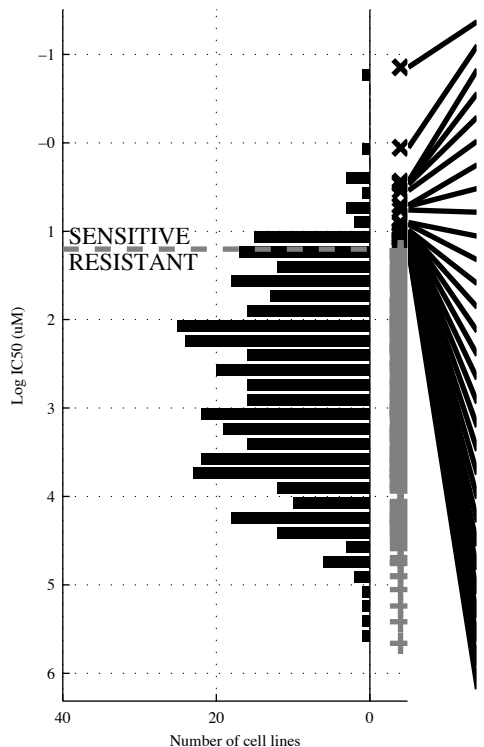
388 cell lines  
 31 sensitive



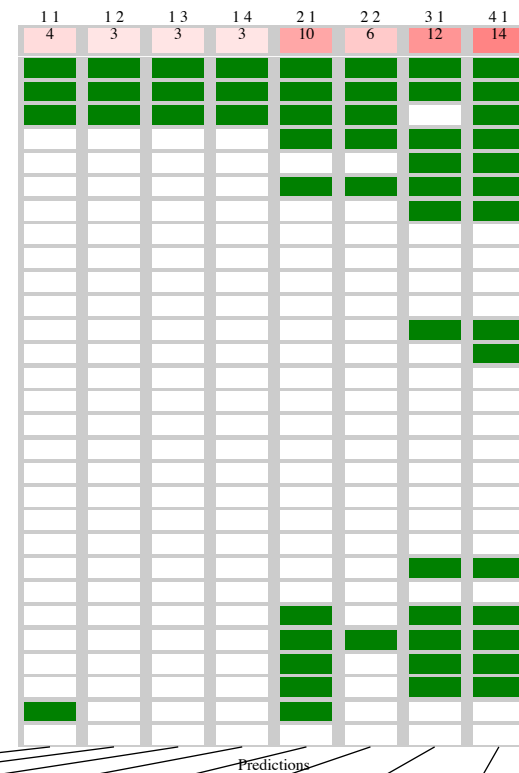
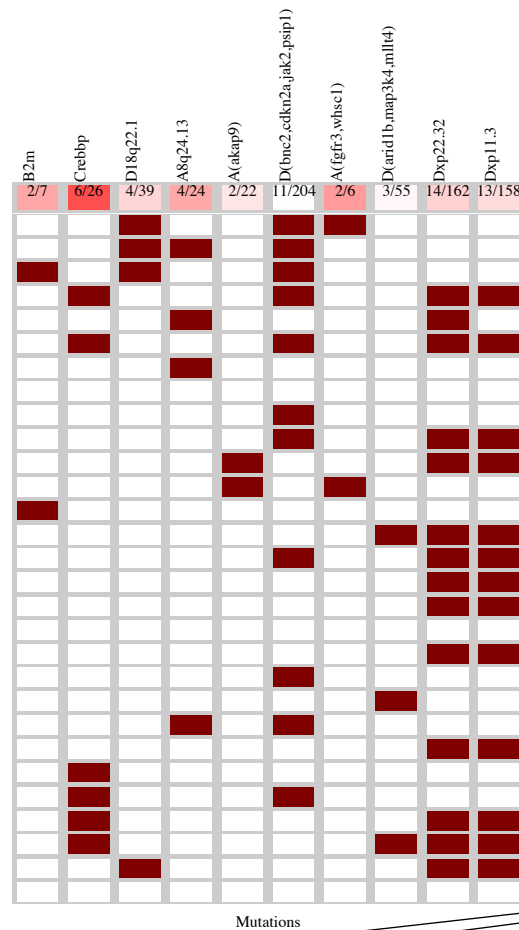
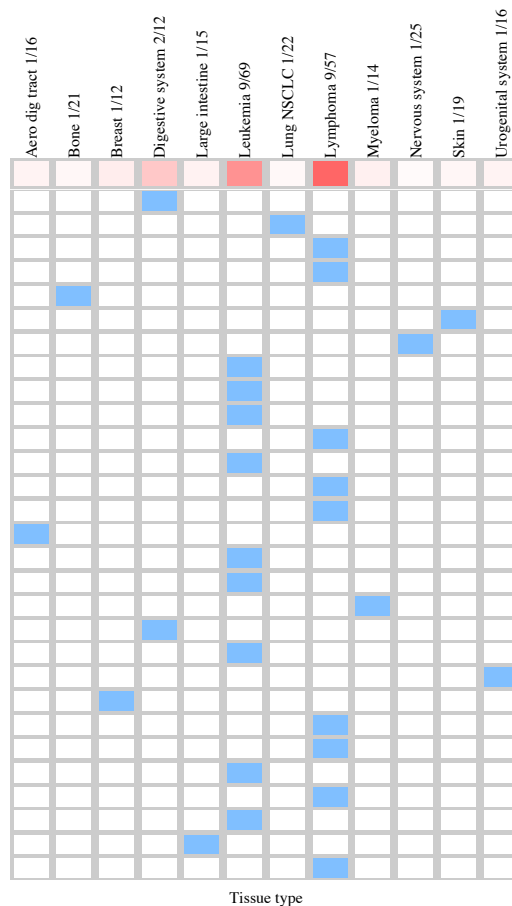
Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
M																
Logic formula	<b>d(BMPR)</b>		<b>d(BNC2&amp;d(SYNC)</b>		<b>d(SYNC&amp;-dXp11&amp; -TNFalpha-D</b>		<b>-PTEN&amp;-d8p23.&amp; d(SYNC&amp;d(SRGA)</b>		<b>d(BMPR Wnt-UP</b>		<b>[ d(BNC2&amp;d(SYNC)   [ d4q13. &amp;d(PABP]</b>		<b>d(BMPR d(MED1  a(CHD9</b>		<b>d(MED1  a(CHD9  d4q13.   d21q11</b>	
TP   FP	10   37	0.9	8   63	0.82	11   71	0.8	14   70	0.8	12   52	0.85	12   67	0.81	14   68	0.81	13   62	0.82
FN   TN	21   320	0.21	23   294	0.11	20   286	0.13	17   287	0.17	19   305	0.19	19   290	0.15	17   289	0.17	18   295	0.18
Specificity																
Precision																
Recall		0.32		0.26		0.35		0.45		0.39		0.39		0.45		0.44

PANCAN  
 id: 54 name: CGP-082996  
 target: CDK4 class: cell cycle

388 cell lines  
 29 sensitive



- ETK-1
- LC-2-ad
- A3-KAW
- DOHH-2
- NOS-1
- HT-144
- GI-1
- ALL-PO
- RPMI-8402
- NALM-6
- BL-41
- ATN-1
- Daudi
- SU-DHL-4
- TE-12
- MV-4-11
- 697
- RPMI-8226
- HUTU-80
- PF-382
- RL95-2
- MRK-nu-1
- MC116
- KARPAS-422
- KARPAS-45
- SU-DHL-6
- MHH-PREB-1
- NCL-H747
- GA-10



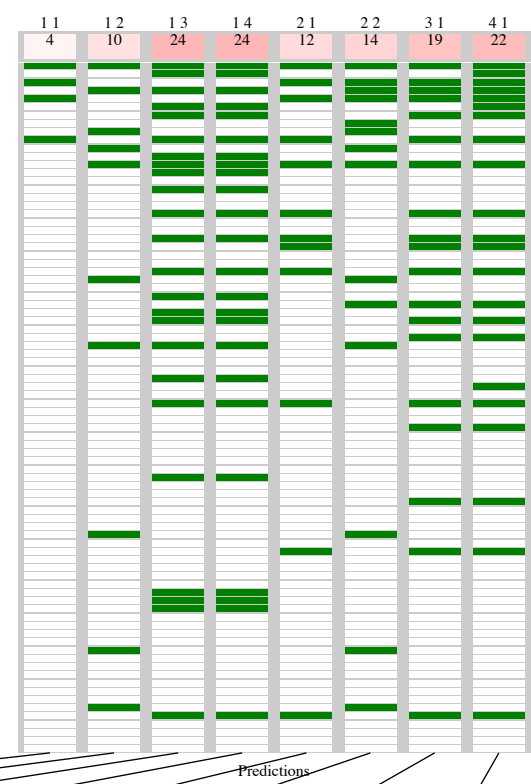
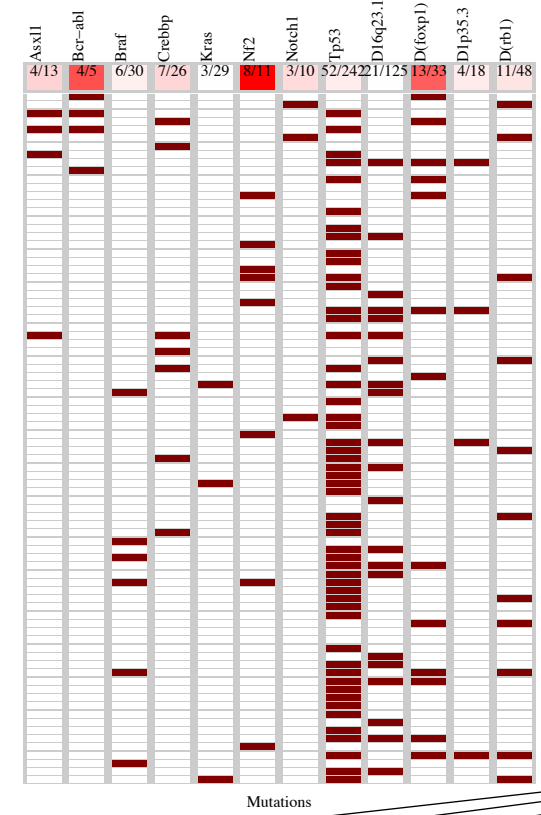
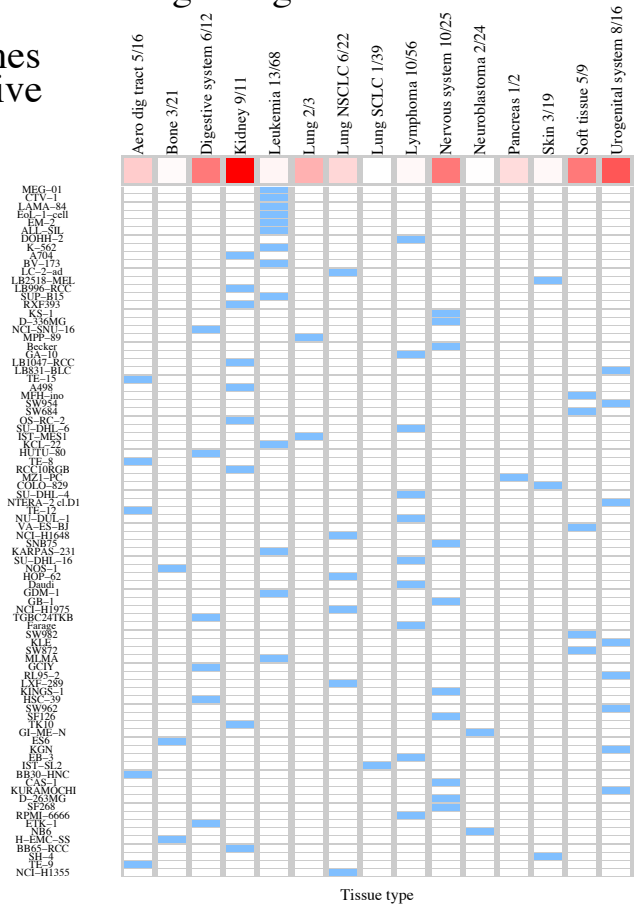
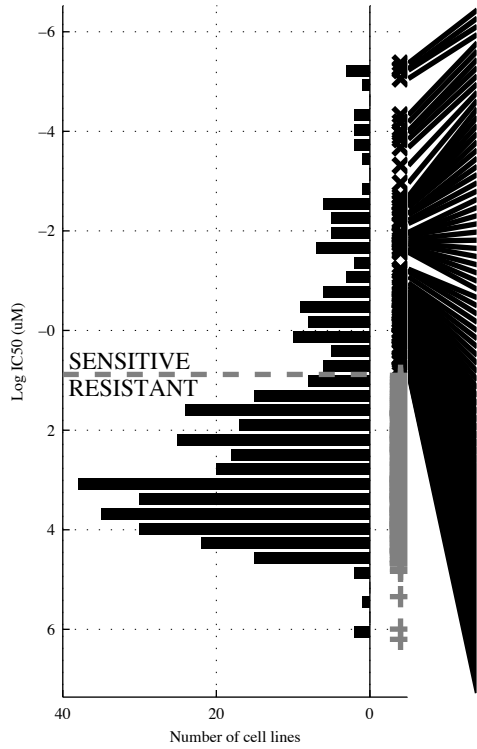
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d18q22</b>	<b>d18q22 &amp; ¬dXp11.</b>	<b>d18q22 &amp; ¬d(ARI&amp;¬dXp11.</b>	<b>d18q22 &amp; a(AKA&amp;¬d(ARI&amp;¬dXp11.</b>	<b>CREBBP1 d18q22</b>	<b>[ d18q22 &amp; ¬dXp22.]   [CREBBP1 &amp; d(BNC2)]</b>	<b>CREBBP1 a8q24.   a(FGFR</b>	<b>B2M   CREBBP1 a8q24.   a(FGFR</b>
TP   FP	4   35	3   12	3   8	3   5	10   53	6   20	12   43	14   47
Specificity	0.9	0.97	0.98	0.99	0.85	0.94	0.88	0.87
FN   TN	25   324	26   347	26   351	26   354	19   306	23   339	17   316	15   312
Precision	0.1	0.2	0.27	0.38	0.16	0.23	0.22	0.23
Recall	0.14	0.1	0.1	0.1	0.34	0.21	0.41	0.48





PANCAN  
 id: 56 name: WH-4-023  
 target: SRC family, ABL class: ABL signaling

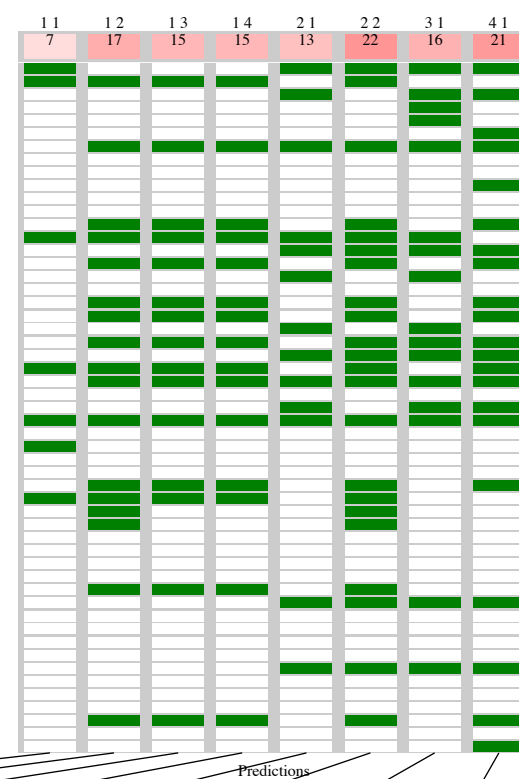
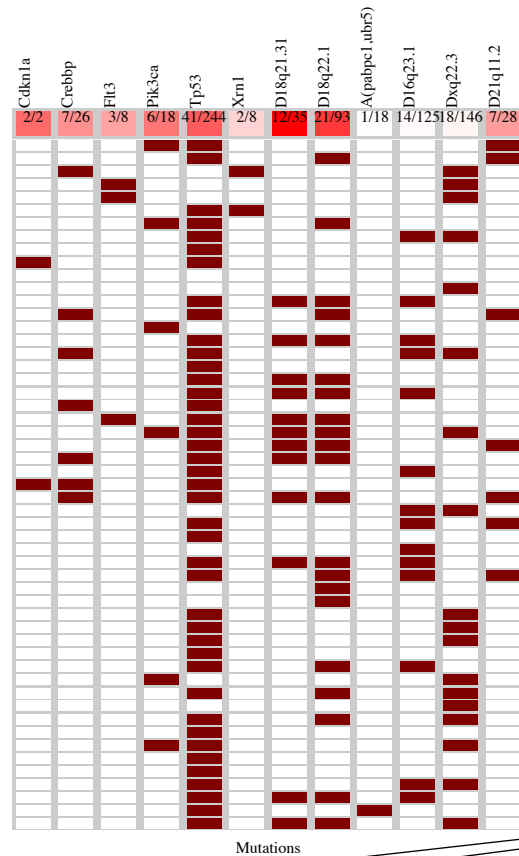
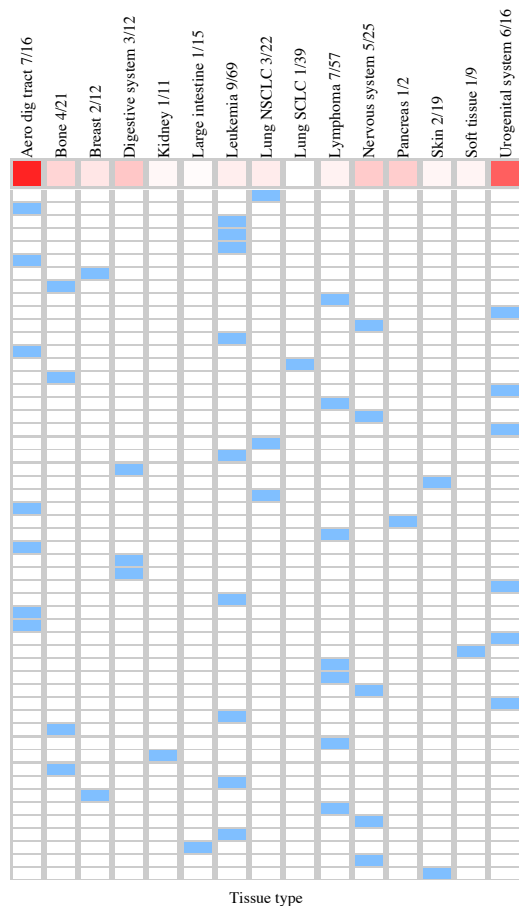
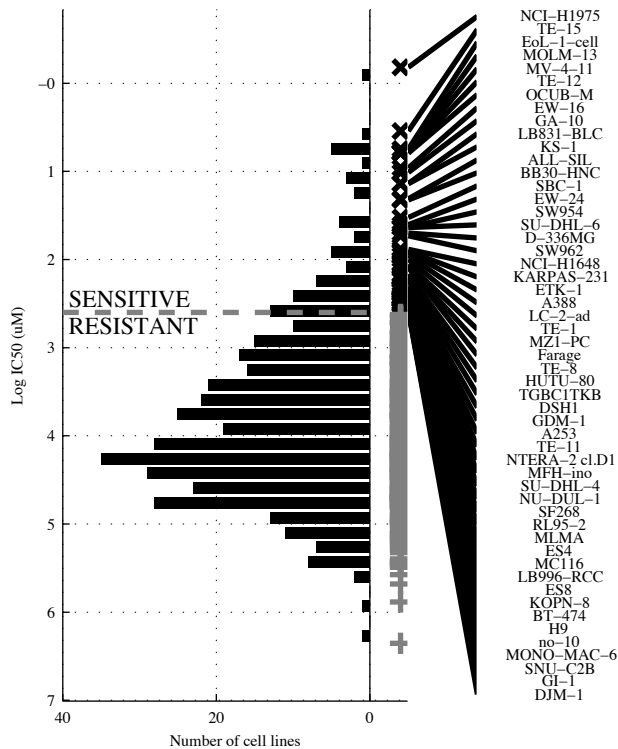
386 cell lines  
 84 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	1	1	1	2	1	3	1	4	2	1	2	3	1	4	1	
M	1	1	1	2	1	3	1	4	2	1	2	3	1	4	1	
Logic formula	<b>BCR-AB</b>		<b>d(FOXP&amp;-d(RB1))</b>		<b>-BRAF &amp; -TP53 &amp; -d16q23</b>		<b>-BRAF &amp; -TP53 &amp; -d16q23&amp;-d1p35.</b>		<b>BCR-ABI NF2</b>		<b>[ ASXL1 &amp; -KRAS ]</b>   <b>[ d(FOXP&amp;-d(RB1)) ]</b>		<b>BCR-ABICREBBP1</b>  <b>NF2</b>		<b>BCR-ABICREBBP1</b>  <b>NF2 NOTCH1</b>	
Specificity	4	1	10	9	24	56	24	51	12	4	14	14	19	23	22	28
Precision	80	301	74	293	60	246	60	251	72	298	70	288	65	279	62	274
Recall	0.048	0.12	0.29	0.32	0.14	0.16	0.22	0.26	0.091	0.044	0.026	0.093	0.048	0.022	0.091	0.044

PANCAN  
 id: 59 name: WZ-1-84  
 target: BMX class: other

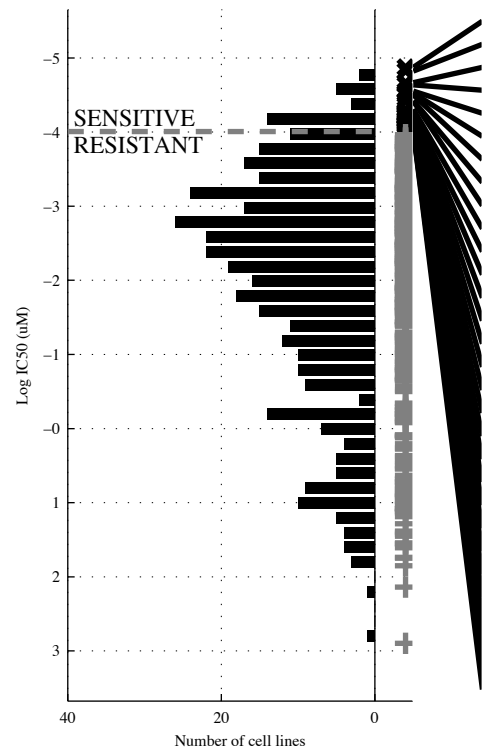
388 cell lines  
 53 sensitive



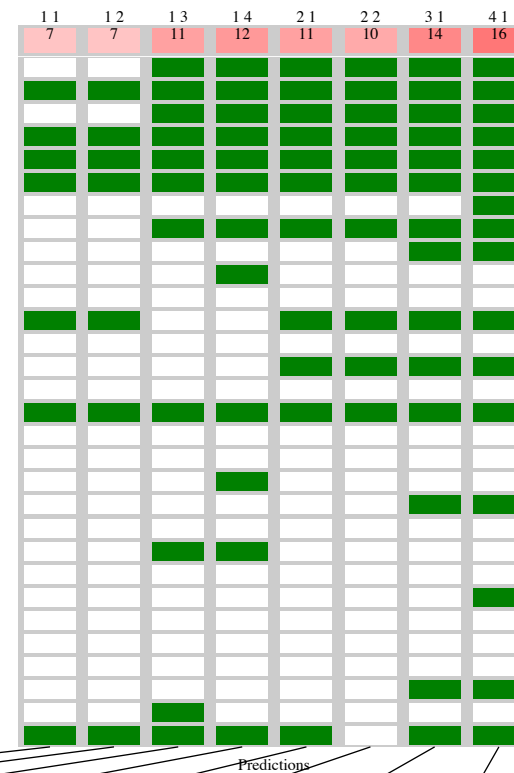
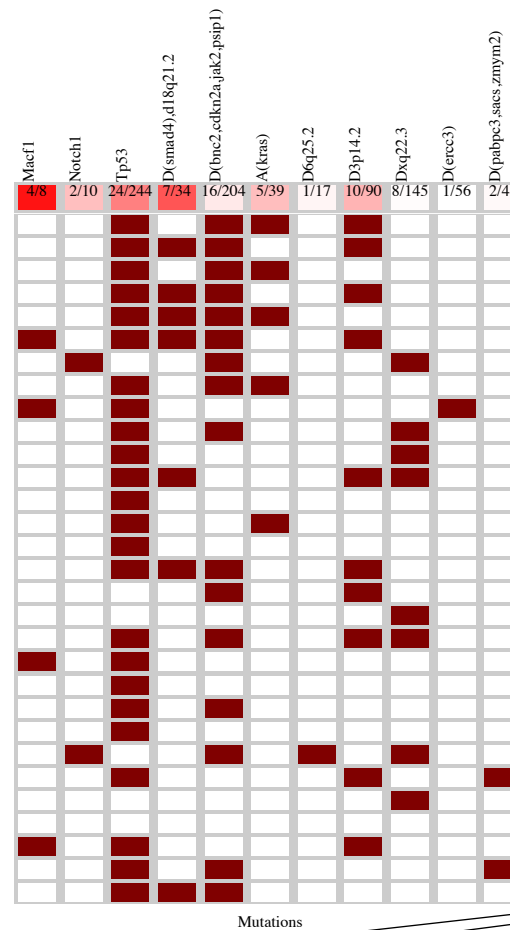
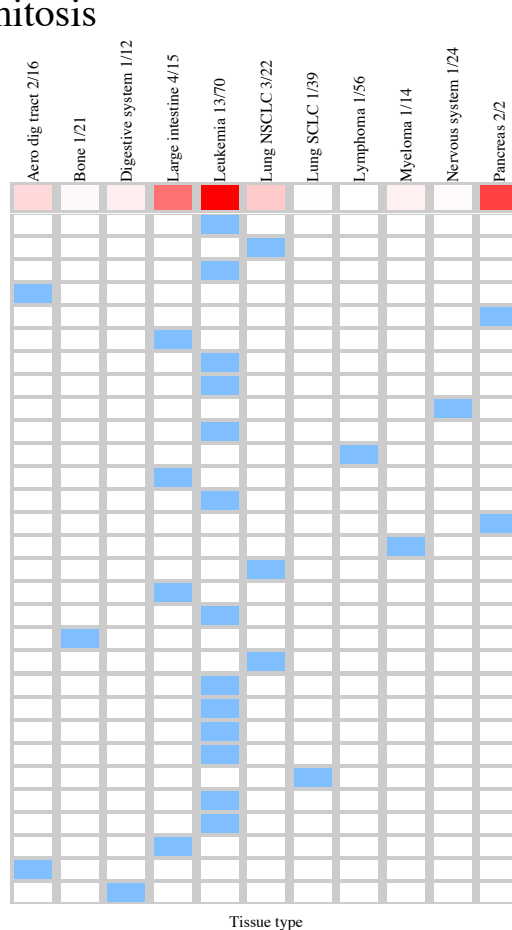
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d21q11</b>	<b>d18q22 &amp; -dXq22.</b>	<b>TP53 &amp; d18q22 &amp; -dXq22.</b>	<b>TP53 &amp; d18q22 &amp; -a(PABPC1 &amp; -dXq22.</b>	<b>CREBBP   PIK3CA</b>	<b>[ d18q22 &amp; -dXq22. ]   [ PIK3CA &amp; -d16q23 ]</b>	<b>CREBBP   FLT3   PIK3CA</b>	<b>CDKN1A   PIK3CA   XRN1   d18q21</b>
TP   FP	7   21	17   36	15   23	15   19	13   30	22   39	16   34	21   39
Specificity	0.94	0.89	0.93	0.94	0.91	0.88	0.9	0.87
FN   TN	46   314	36   299	38   312	38   316	40   305	31   296	37   301	32   296
Precision	0.25	0.32	0.39	0.44	0.3	0.36	0.32	0.33
Recall	0.13	0.32	0.28	0.28	0.25	0.42	0.3	0.41

PANCAN  
 id: 60 name: BI-2536  
 target: PLK1, PLK2, PLK3 class: mitosis

387 cell lines  
 30 sensitive



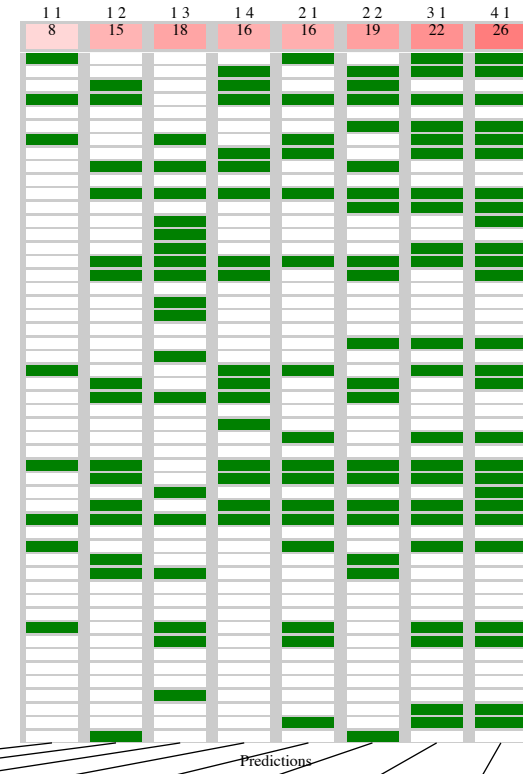
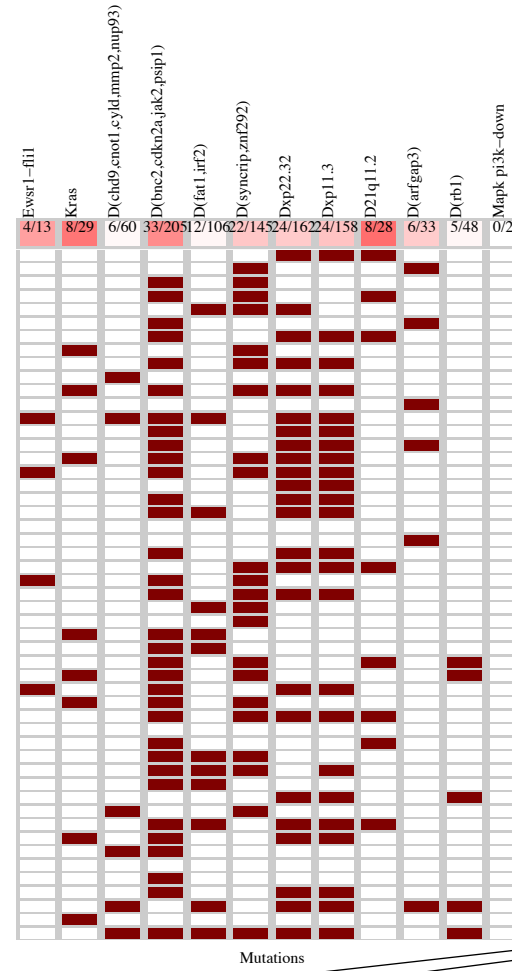
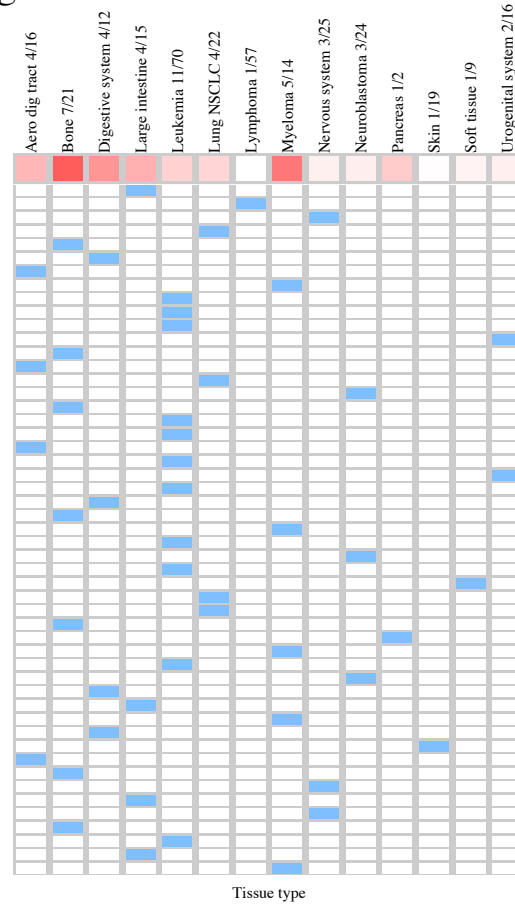
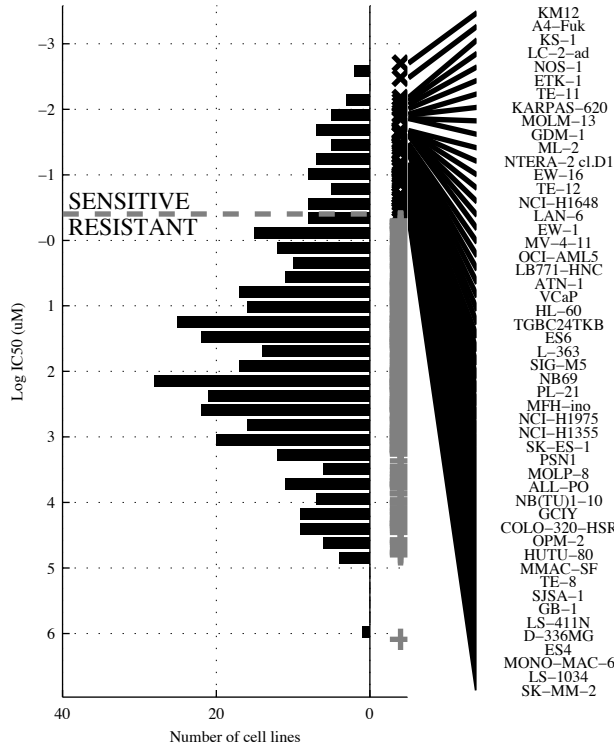
NB-4  
 LC-2-ad  
 BE-13  
 TE-8  
 PSN1  
 SNU-C2B  
 ALL-SIL  
 RPMI-8402  
 GI-1  
 KE-37  
 SU-DHL-8  
 KM12  
 ALL-PO  
 MZI-PC  
 KARPAS-620  
 NCI-H1648  
 RKO  
 CESS  
 ES8  
 LXF-289  
 LOUCY  
 KARPAS-45  
 KARPAS-231  
 ML-2  
 NCI-H1963  
 697  
 GDM-1  
 LS-411N  
 TE-15  
 GT3TKB



Model name	11	12	13	14	21	22	31	41
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d(SMAD</b>	<b>d(SMAD&amp;-d6q25.</b>	<b>TP53 &amp;d(BNC2&amp; -dXq22.</b>	<b>TP53 &amp;d(BNC2&amp; -d(ERC&amp;-d(PABP</b>	<b>d(SMAD a(KRAS</b>	<b>[ TP53 &amp;a(KRAS ]   [d(SMAD&amp; d3p14. ]</b>	<b>MACF1 d(SMAD  a(KRAS</b>	<b>MACF1 NOTCH1  d(SMAD  a(KRAS</b>
TP   FP Specificity	7   27 0.92	7   22 0.94	11   62 0.83	12   64 0.82	11   56 0.84	10   36 0.9	14   60 0.83	16   66 0.82
FN   TN Precision	23   330 0.21	23   335 0.24	19   295 0.15	18   293 0.16	19   301 0.16	20   321 0.22	16   297 0.19	14   291 0.2
Recall	0.23	0.23	0.37	0.4	0.37	0.33	0.47	0.53

PANCAN  
 id: 62 name: BMS-536924  
 target: IGF1R class: IGFR signaling

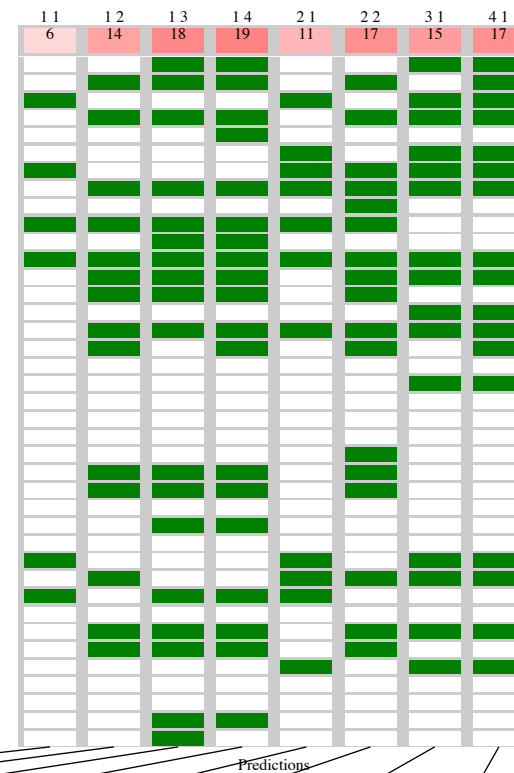
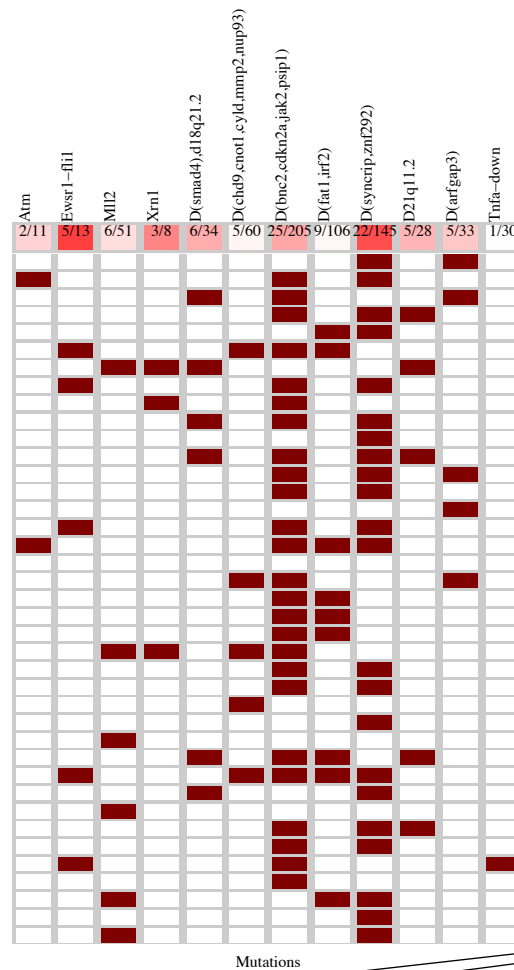
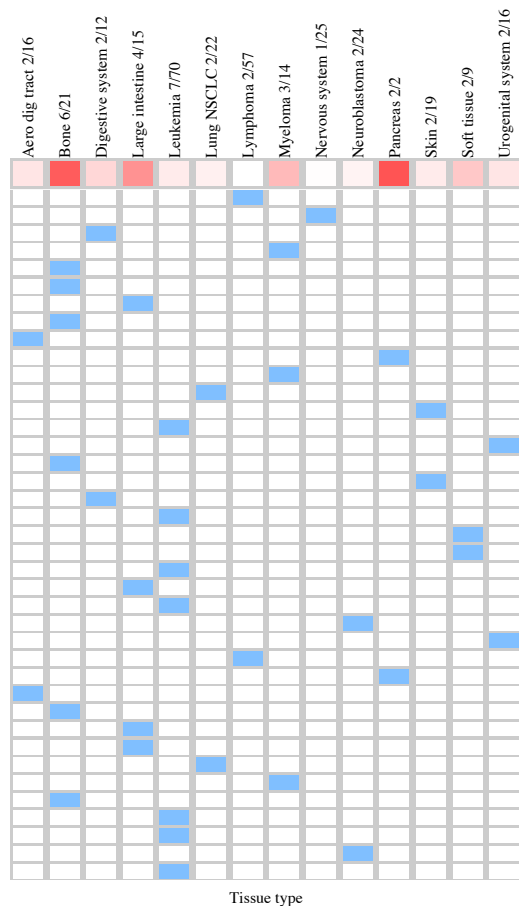
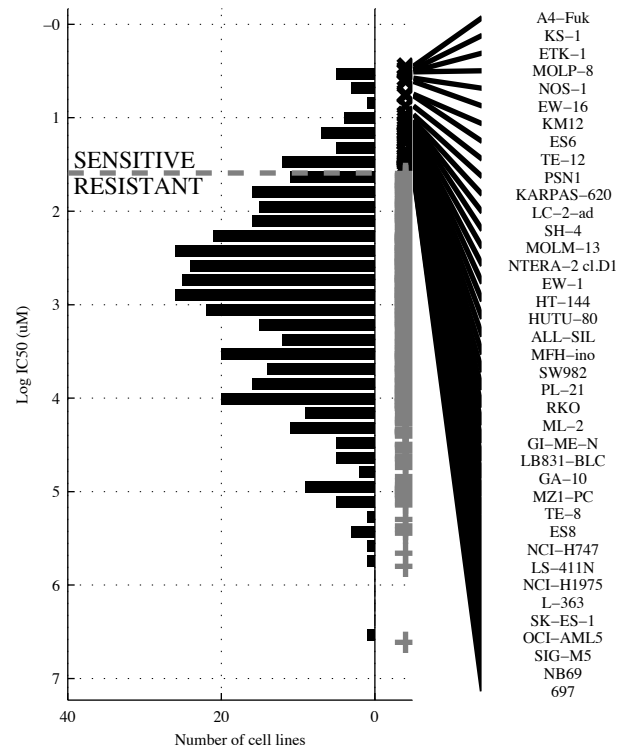
389 cell lines  
 51 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d21q11</b>	<b>d(BNC2&amp;d(SYNC</b>	<b>d(BNC2&amp;dXp11.&amp; -d(RB1)</b>	<b>-d(CHD&amp;-d(FAT&amp; d(SYNC&amp;MAPK P</b>	<b>KRAS   d21q11</b>	<b>[ d(BNC2&amp;d(SYNC)   [-dXp22&amp;d(ARFG]</b>	<b>KRAS   d21q11   d(ARFG</b>	<b>EWSR1-  KRAS   d21q11  d(ARFG</b>
TP   FP Specificity	8   20 0.94	15   57 0.83	18   55 0.84	16   60 0.82	16   39 0.88	19   64 0.81	22   59 0.83	26   67 0.8
FN   TN Precision	43   318 0.29	36   281 0.21	33   283 0.25	35   278 0.21	35   299 0.29	32   274 0.23	29   279 0.27	25   271 0.28
Recall	0.16	0.29	0.35	0.31	0.31	0.37	0.43	0.51

PANCAN  
 id: 63 name: BMS-509744  
 target: ITK class: other

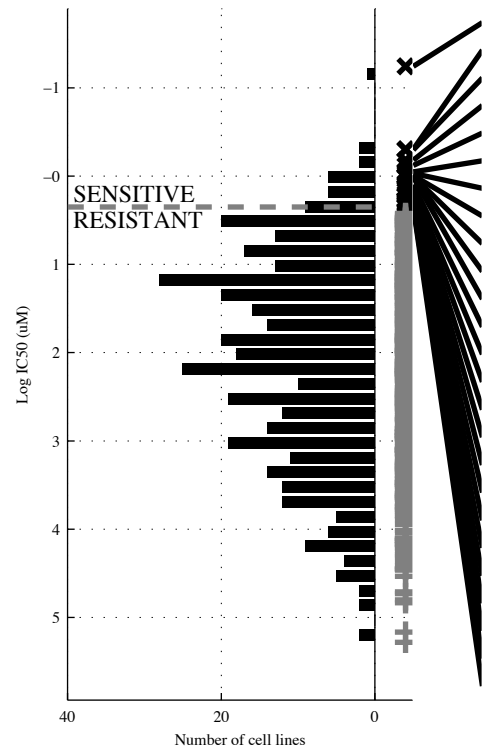
389 cell lines  
 39 sensitive



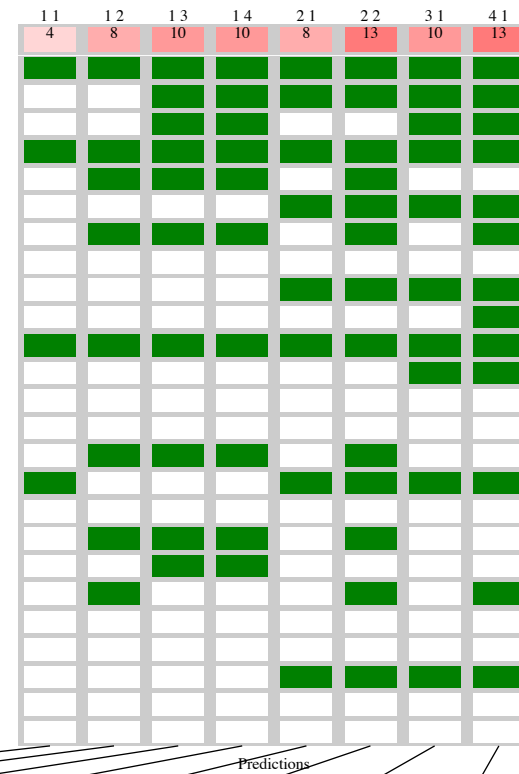
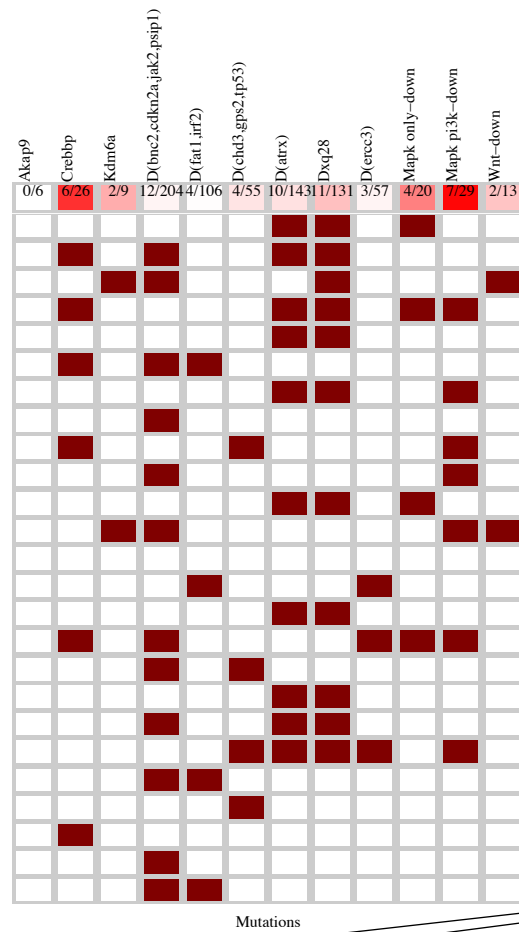
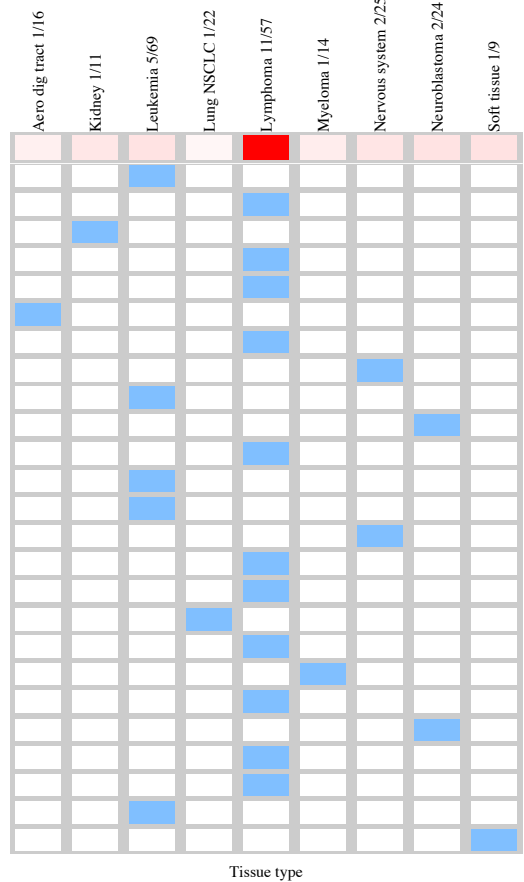
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d(SMAD)</b>	<b>d(BNC2&amp;d(SYNC)</b>	<b>~d(CHD&amp;~d(FAT&amp;d(SYNC)</b>	<b>~MLL2&amp;d(CHD&amp;d(SYNC&amp;TNFa-D</b>	<b>EWSR1-Id(SMAD)</b>	<b>[ d(BNC2&amp;d(SYNC)   [ XRN1 &amp;~d(FAT)]</b>	<b>EWSR1-  d21q11   d(ARFG)</b>	<b>ATM  EWSR1-  d21q11  d(ARFG)</b>
TP   FP	6   28	14   58	18   70	19   70	11   36	17   59	15   53	17   60
Specificity	0.92	0.83	0.8	0.8	0.9	0.83	0.85	0.83
FN   TN	33   322	25   292	21   280	20   280	28   314	22   291	24   297	22   290
Precision	0.18	0.19	0.2	0.21	0.23	0.22	0.22	0.22
Recall	0.15	0.36	0.46	0.49	0.28	0.44	0.38	0.43

PANCAN  
 id: 64 name: CMK  
 target: RSK class: ERK MAPK signaling

388 cell lines  
 25 sensitive



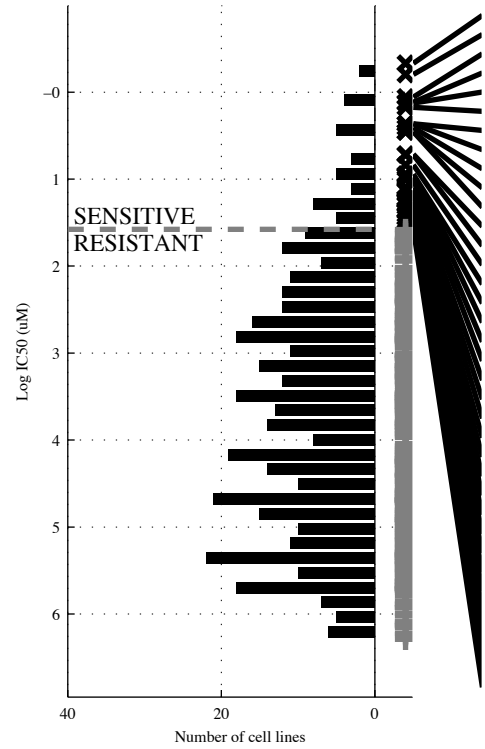
- 697
- DOHH-2
- LB2241-RCC
- SU-DHL-6
- MC116
- TE-8
- SU-DHL-8
- KS-1
- KARPAS-231
- NB13
- WIL2-NS
- PF-382
- KOPN-8
- GI-1
- SU-DHL-4
- Farage
- LC-2-ad
- BL-41
- MOLP-8
- P32-ISH
- NB17
- SCC-3
- DEL
- CCRF-CEM
- SK-LMS-1



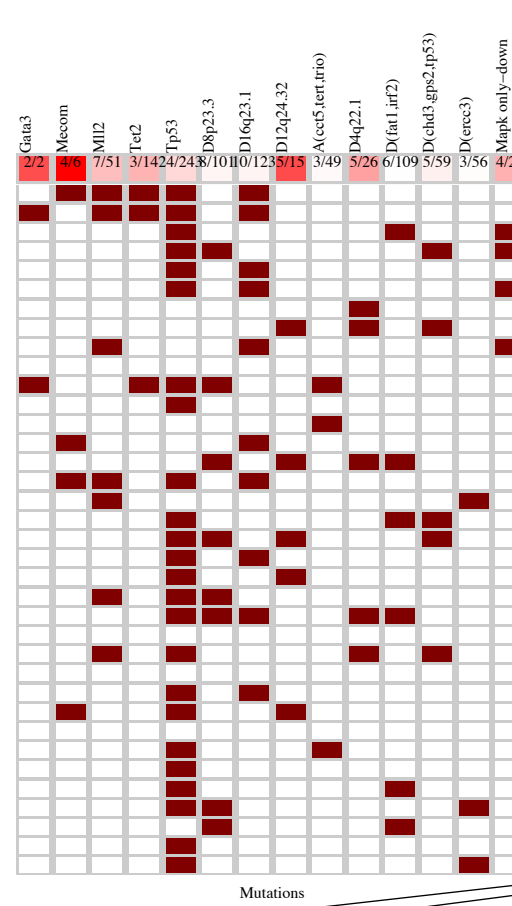
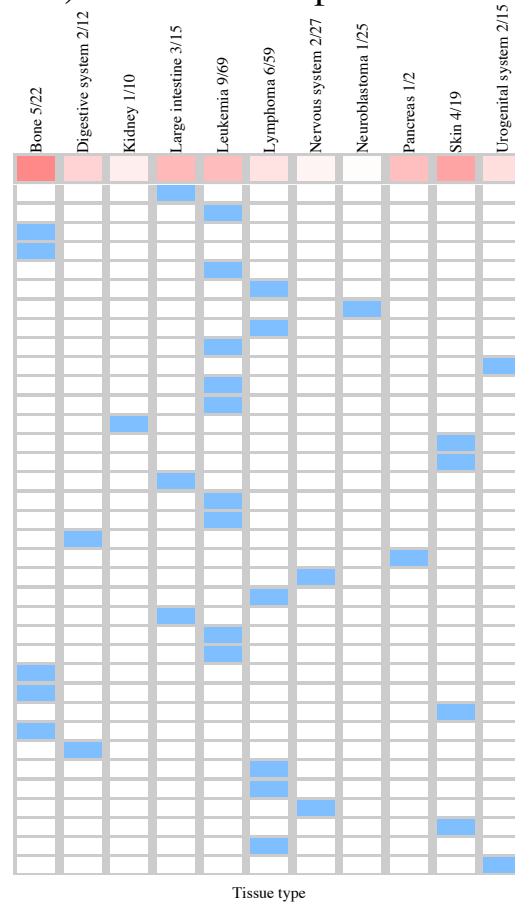
Model name	11	12	13	14	21	22	31	41
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MAPK o</b>	<b>~d(BNC&amp;&amp;d(ATRX</b>	<b>~d(FAT&amp;&amp;d(CHD&amp;</b> <b>dXq28</b>	<b>~d(FAT&amp;&amp;d(CHD&amp;</b> <b>dXq28 &amp;d(ERCC</b>	<b>CREBBPI MAPK o</b>	<b>[~d(BNC&amp;&amp;d(ATRX]</b> <b>[~AKAP9&amp;CREBBP]</b>	<b>CREBBPI MAPK o l</b> <b>Wnt-DO</b>	<b>CREBBPI KDM6A l</b> <b>MAPK o l MAPK P</b>
TP   FP	4   16	8   55	10   59	10   48	8   35	13   66	10   45	13   57
Specificity	0.96	0.85	0.84	0.87	0.9	0.82	0.88	0.84
FN   TN	21   347	17   308	15   304	15   315	17   328	12   297	15   318	12   306
Precision	0.2	0.13	0.14	0.17	0.19	0.16	0.18	0.19
Recall	0.16	0.32	0.4	0.4	0.32	0.52	0.4	0.52

PANCAN  
 id: 71 name: Pyrimethamine  
 target: Dihydrofolate reductase (DHFR) class: DNA replication

391 cell lines  
 36 sensitive



- LS-411N
- GR-ST
- ES8
- EW-1
- ALL-PO
- WIL2-NS
- GI-ME-N
- SCC-3
- 697
- NEC8
- ATN-1
- LAMA-84
- OS-RC-2
- COLO-829
- UACC-257
- KM12
- CTV-1
- CMK
- ECC12
- PSN1
- SF539
- TK
- COLO-320-HSR
- HEL
- KARPAS-231
- ES4
- SK-ES-1
- IST-MEL1
- SJSA-1
- ETK-1
- H9
- SLVL
- SF268
- MZ7-mel
- DEL
- DSH1



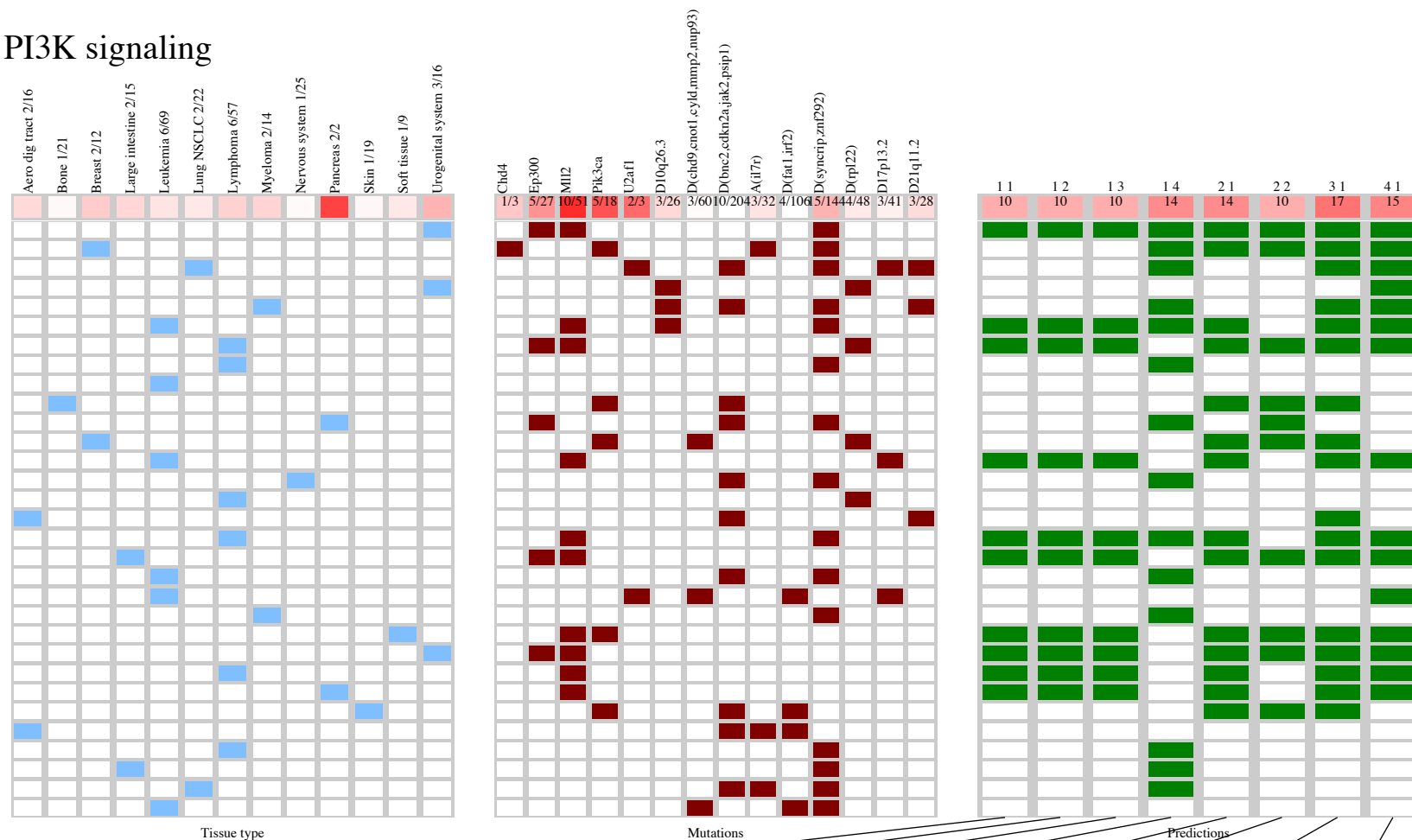
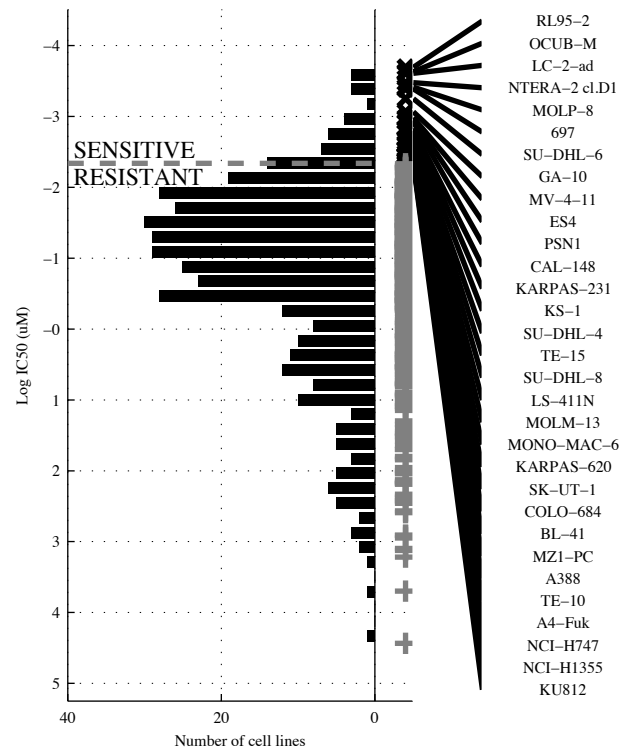
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MAPK o</b>	<b>MLL2 &amp; -d(FAT1)</b>	<b>MLL2 &amp; a(CCT5)</b>	<b>-d8p23.3 &amp; d16q23.1</b>	<b>TET2   MAPK o</b>	<b>[ -d(ERC3) &amp; MAPK o ]</b>	<b>TET2   d12q24  </b>	<b>GATA3 MECOMI</b>
			<b>-d(FAT1)</b>	<b>-d(FAT1 &amp; d(CHD3)</b>		<b>[ TET2 &amp; TP53 ]</b>	<b>MAPK o</b>	<b>d4q22.1   MAPK o</b>
TP   FP Specificity	4   17 0.95	7   30 0.92	7   22 0.94	9   43 0.88	7   28 0.92	7   16 0.95	12   38 0.89	15   38 0.89
FN   TN Precision	32   338 0.19	29   325 0.19	29   333 0.24	27   312 0.17	29   327 0.2	29   339 0.3	24   317 0.24	21   317 0.28
Recall	0.11	0.19	0.19	0.25	0.19	0.19	0.33	0.42





PANCAN  
 id: 86 name: A-443654  
 target: AKT1, AKT2, AKT3 class: PI3K signaling

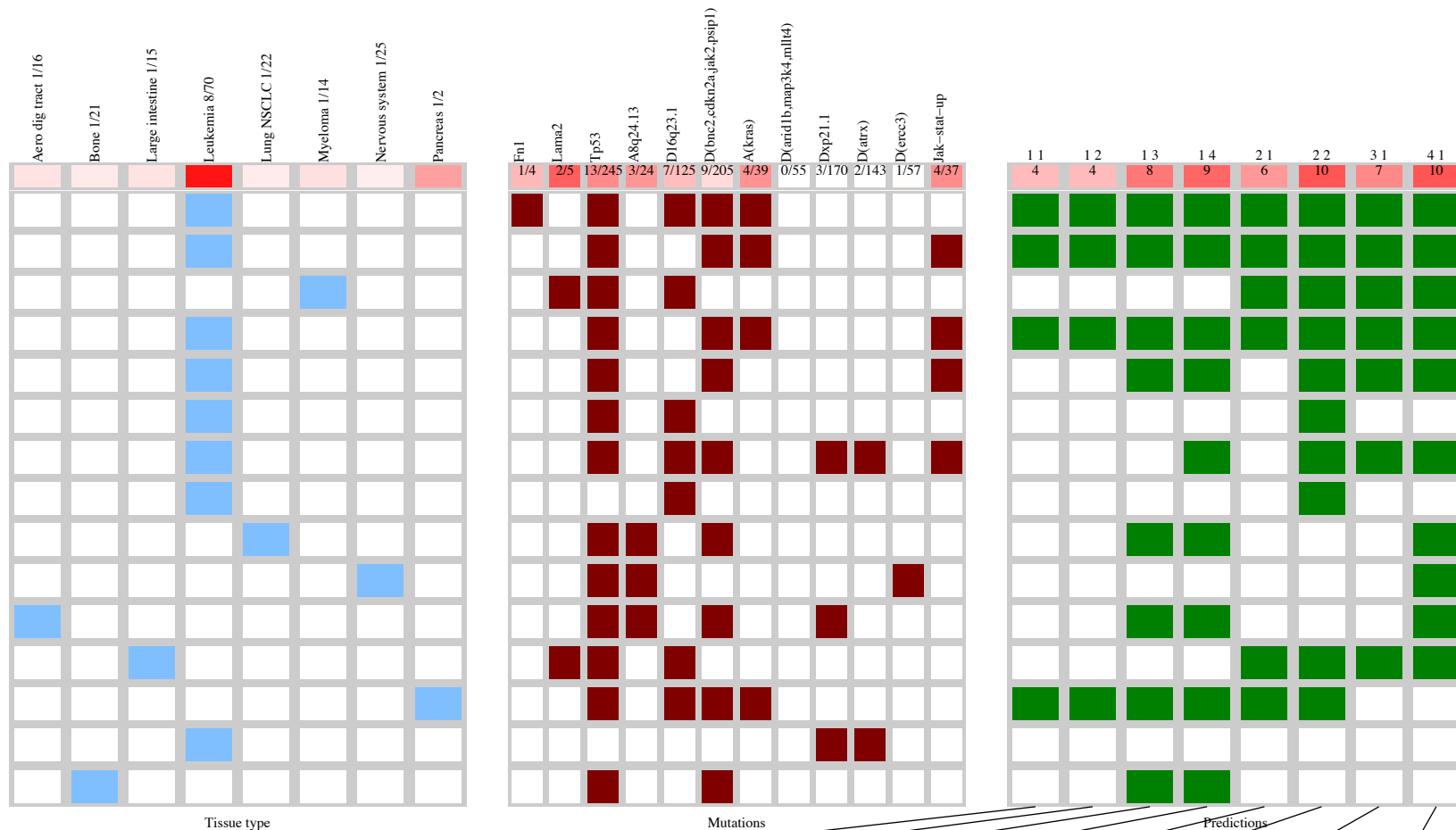
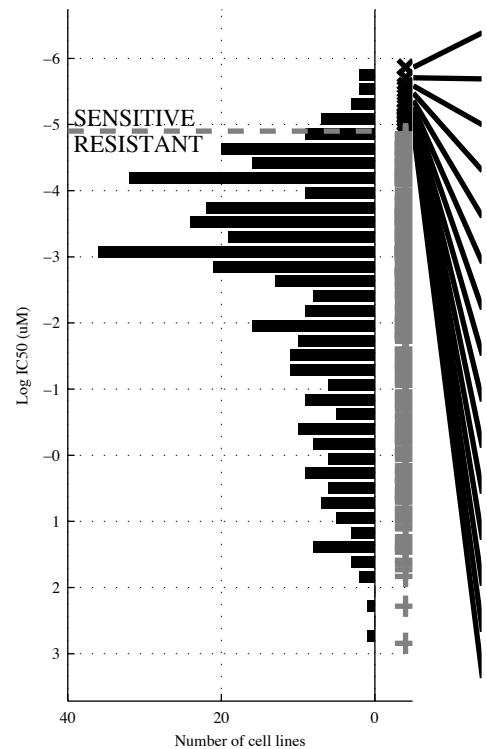
388 cell lines  
 31 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MLL2</b>	<b>MLL2 &amp;d(BNC2)</b>	<b>MLL2 &amp;d(BNC2)</b> <b>&amp;a(IL7R)</b>	<b>&amp;d(CHD4 &amp;d(FAT1)</b> <b>d(SYNC1 &amp;d(RPL2)</b>	<b>MLL2   PIK3CA</b>	<b>[PIK3CA &amp;d17p13]</b> <b> </b> <b>[ EP300 &amp;d(FAT1)]</b>	<b>MLL2   PIK3CA  </b> <b>d21q11</b>	<b>CHD4   MLL2  </b> <b>U2AF1   d10q26</b>
TP   FP	10   41	10   22	10   15	14   61	14   53	10   26	17   71	15   64
Specificity	0.89	0.94	0.96	0.83	0.85	0.84	0.8	0.82
FN   TN	21   316	21   335	21   342	17   296	17   304	21   331	14   286	16   293
Precision	0.2	0.31	0.4	0.19	0.21	0.21	0.19	0.19
Recall	0.32	0.32	0.32	0.45	0.45	0.45	0.55	0.48

PANCAN  
id: 87 name: GW843682X  
target: PLK1 class: mitosis

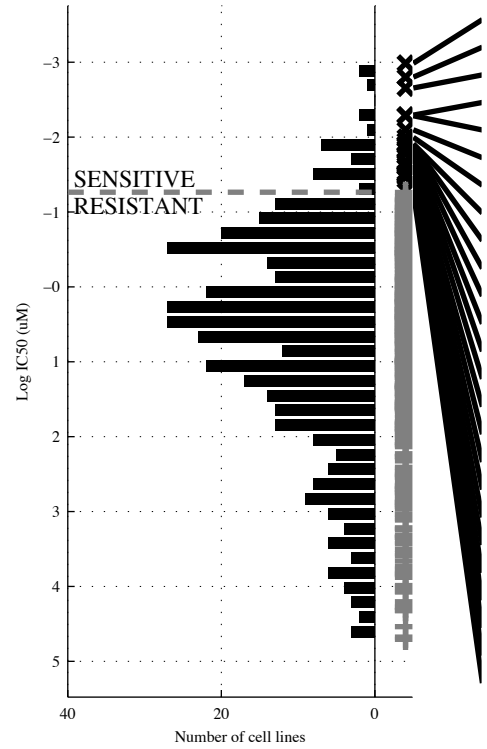
389 cell lines  
15 sensitive



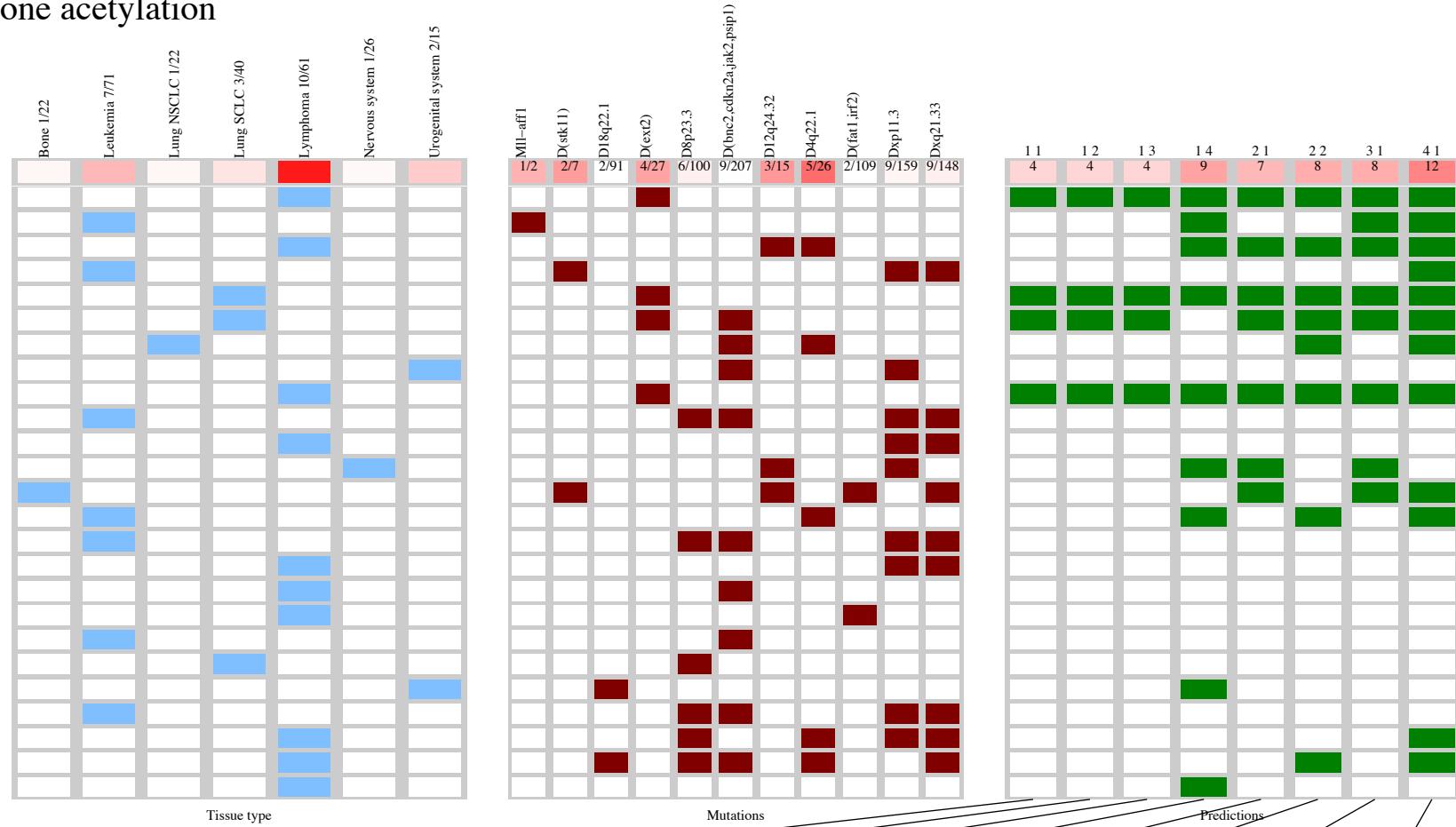
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a(KRAS)</b>	<b>d(BNC2&amp;a(KRAS)</b>	<b>TP53 &amp;d(BNC2&amp;</b> <b>~d(ATRX)</b>	<b>TP53 &amp;d(BNC2&amp;</b> <b>~d(ARID1B&amp;d(ERCC</b>	<b>LAMA2   a(KRAS)</b>	<b>[ d16q23 &amp;~dXp21.]</b> <b> </b> <b>[ d(BNC2&amp;JAK-ST]</b>	<b>FN1   LAMA2  </b> <b>JAK-ST</b>	<b>FN1   LAMA2  </b> <b>a8q24.   JAK-ST</b>
TP   FP	4   35	4   16	8   66	9   65	6   38	10   70	7   37	10   57
Specificity	0.91	0.96	0.82	0.83	0.9	0.81	0.9	0.85
FN   TN	11   339	11   358	7   308	6   309	9   336	5   304	8   337	5   317
Precision	0.1	0.2	0.11	0.12	0.14	0.13	0.16	0.15
Recall	0.27	0.27	0.53	0.6	0.4	0.67	0.47	0.67

PANCAN  
 id: 88 name: MS-275  
 target: HDAC class: chromain histone acetylation

391 cell lines  
 25 sensitive



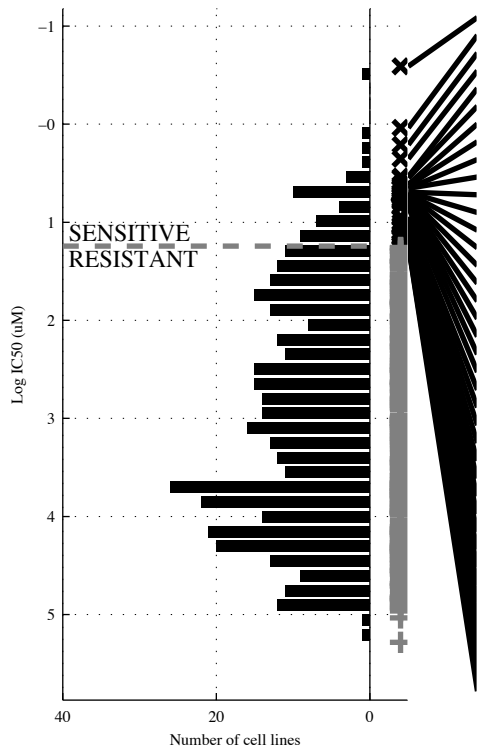
- GA-10
- ALL-PO
- SCC-3
- 697
- NCI-H748
- NCI-H1417
- NCI-H1975
- NEC8
- CRO-AP2
- NKM-1
- SU-DHL-8
- SF539
- NOS-1
- KARPAS-231
- ALL-SIL
- WIL2-NS
- H9
- SLVL
- NB-4
- COR-L88
- NTERA-2 cl.D1
- EM-2
- SU-DHL-6
- A3-KAW
- JSC-1



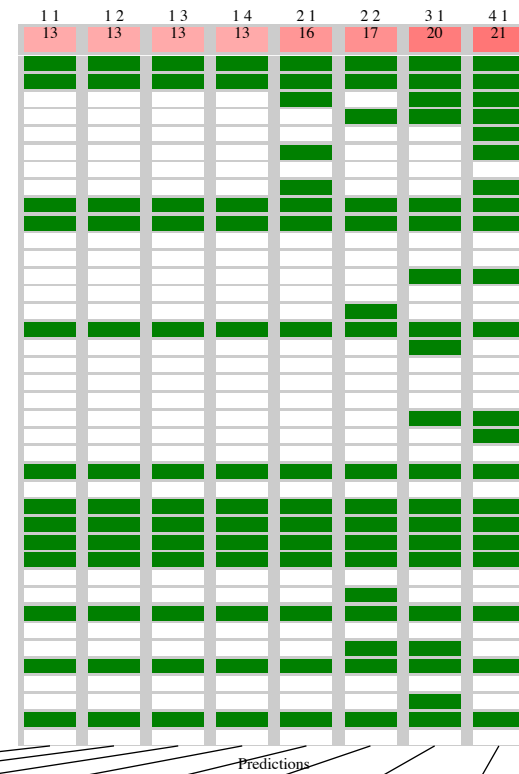
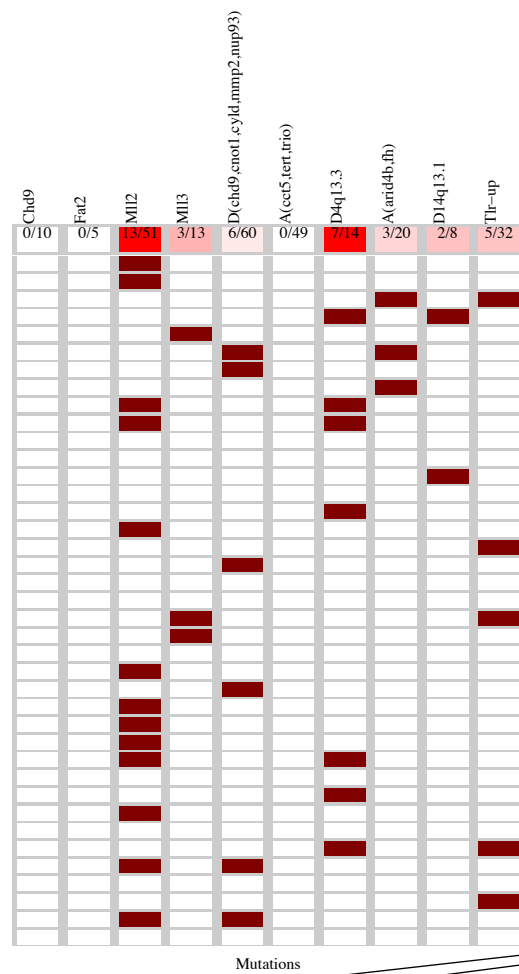
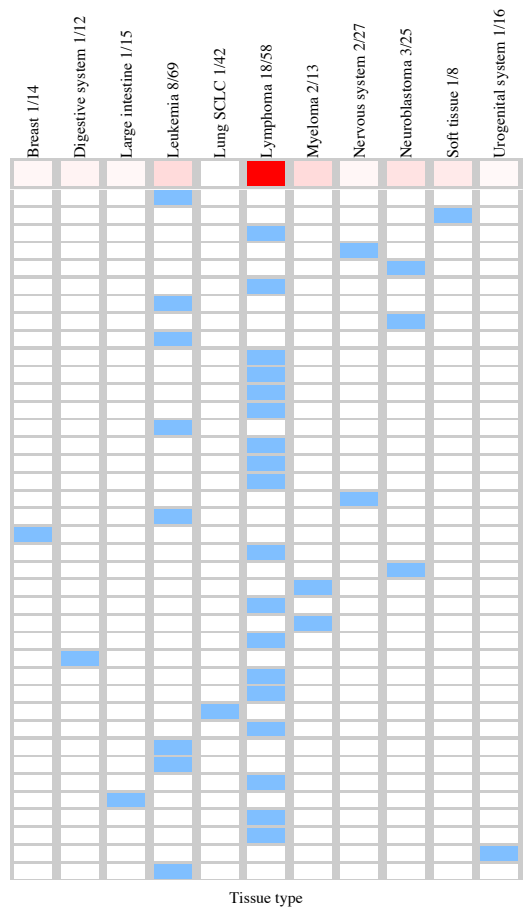
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d(EXT2)</b>	<b>d(EXT2 &amp; ~dXp11.)</b>	<b>~d18q22 &amp; d(EXT2 &amp; ~dXp11.)</b>	<b>~d8p23. &amp; d(BNC &amp; ~d(FAT &amp; ~dXq21.)</b>	<b>d(EXT2   d12q24</b>	<b>[ d(EXT2 &amp; ~dXp11.)   d4q22. &amp; ~dXp11.]</b>	<b>MLL-AF d(EXT2   d12q24</b>	<b>MLL-AF d(STK1   d(EXT2   d4q22.)</b>
TP   FP	4   23	4   11	4   6	9   62	7   33	8   17	8   34	12   47
Specificity	0.94	0.97	0.98	0.83	0.91	0.95	0.91	0.87
FN   TN	21   343	21   355	21   360	16   304	18   333	17   349	17   332	13   319
Precision	0.15	0.27	0.4	0.13	0.17	0.31	0.19	0.2
Recall	0.16	0.16	0.16	0.36	0.28	0.32	0.32	0.48

PANCAN  
 id: 89 name: Parthenolide  
 target: NFKB1 class: other

392 cell lines  
 39 sensitive



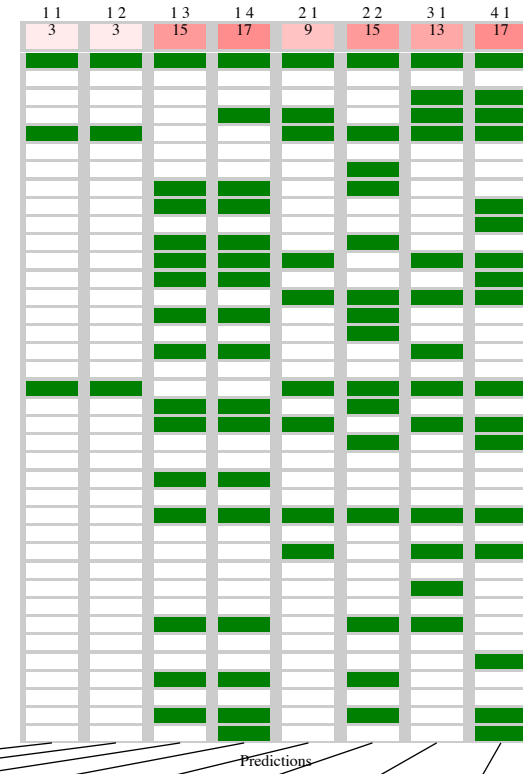
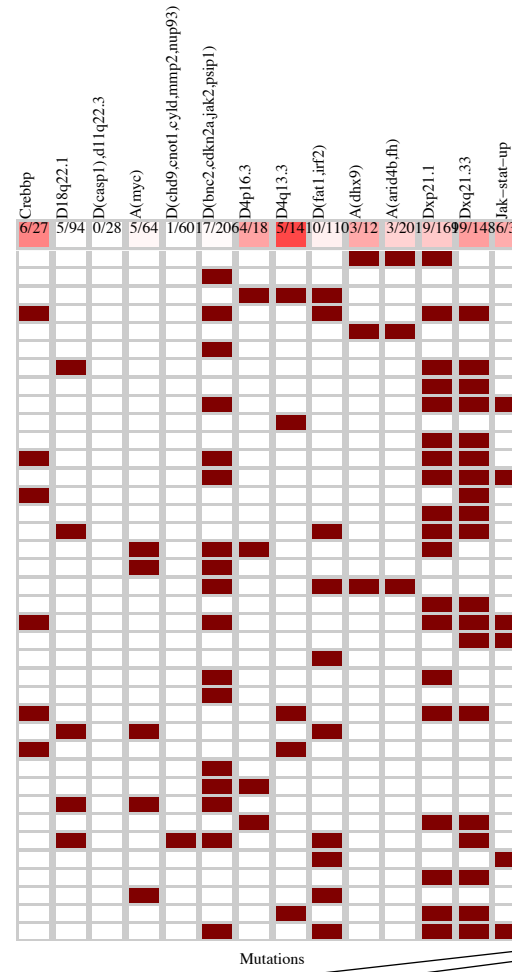
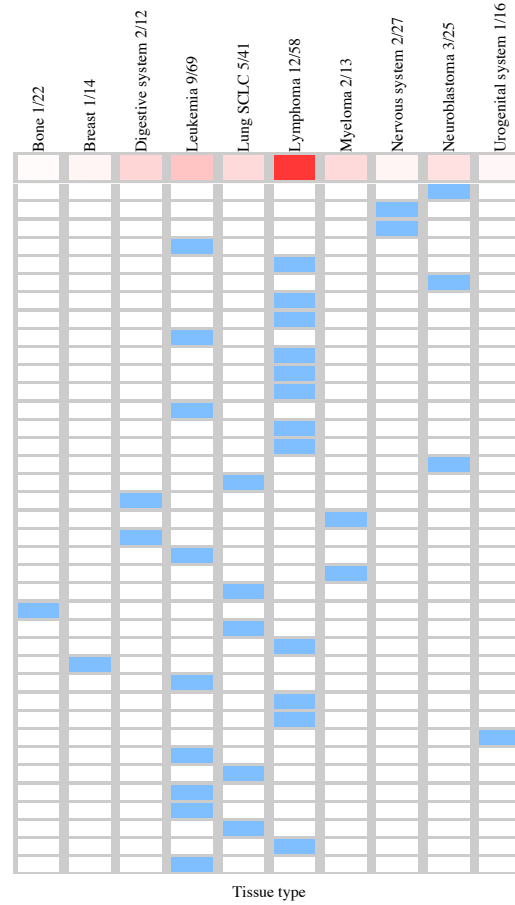
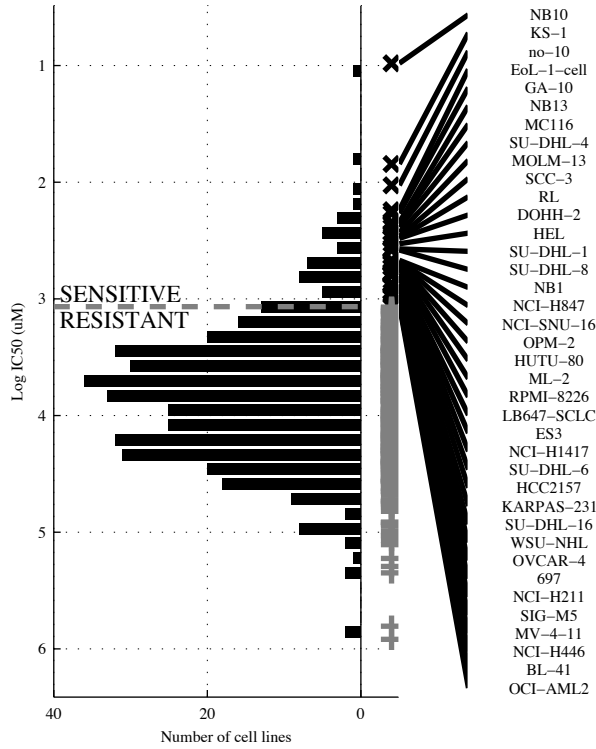
- 697
- SK-UT-1
- GA-10
- no-10
- NB17
- DEL
- ALL-SIL
- NB10
- KARPAS-231
- SU-DHL-6
- A3-KAW
- VAL
- P32-ISH
- HEL
- SCC-3
- SU-DHL-8
- H9
- SF539
- EM-2
- MRK-nu-1
- WIL2-NS
- NB13
- MOLP-8
- OCI-LY-19
- JJN-3
- JM1
- GCIY
- NU-DUL-1
- BL-41
- NCI-H524
- HD-MY-Z
- MHH-PREB-1
- MV-4-11
- SUP-HD1
- RKO
- SU-DHL-16
- Farage
- KGN
- LOUCY



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MLL2</b>	<b>MLL2 &amp; a(CCT5)</b>	<b>~FAT2 &amp; MLL2 &amp; ~a(CCT5)</b>	<b>~CHD9 &amp; ~FAT2 &amp; MLL2 &amp; a(CCT5)</b>	<b>MLL2   a(ARID)</b>	<b>[ MLL2 &amp; a(CCT5)   ~d(CHD9 &amp; d4q13. ) ]</b>	<b>MLL2   d14q13   TLR-UP</b>	<b>MLL2   MLL3   a(ARID   d14q13)</b>
TP   FP	13   38	13   28	13   23	13   18	16   54	17   31	20   69	21   66
Specificity	0.89	0.92	0.93	0.95	0.85	0.91	0.8	0.84
FN   TN	26   315	26   325	26   330	26   335	23   299	22   322	19   284	18   287
Precision	0.25	0.32	0.36	0.42	0.23	0.35	0.22	0.25
Recall	0.33	0.33	0.33	0.33	0.41	0.43	0.51	0.49

PANCAN  
 id: 91 name: KIN001-135  
 target: IKKE class: other

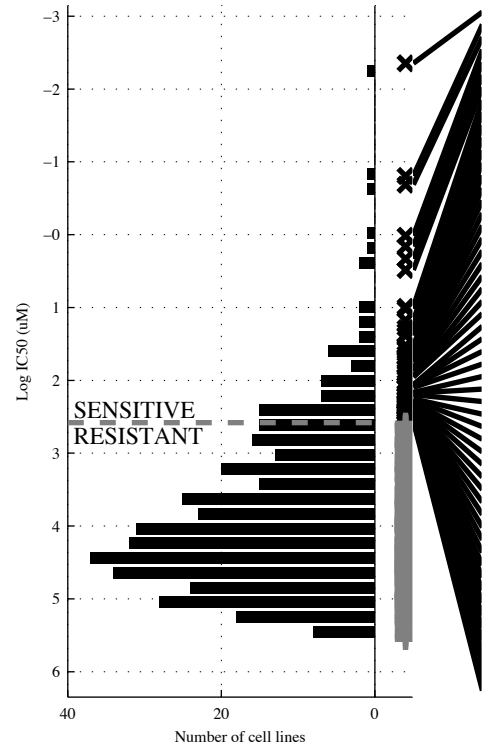
392 cell lines  
 38 sensitive



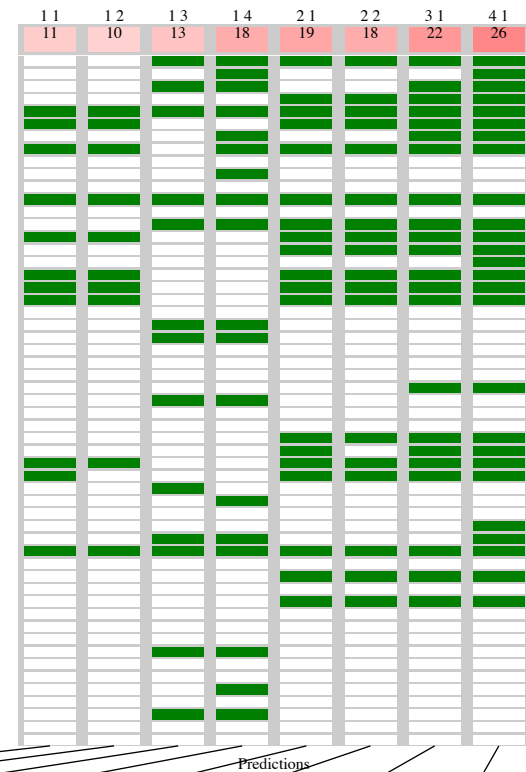
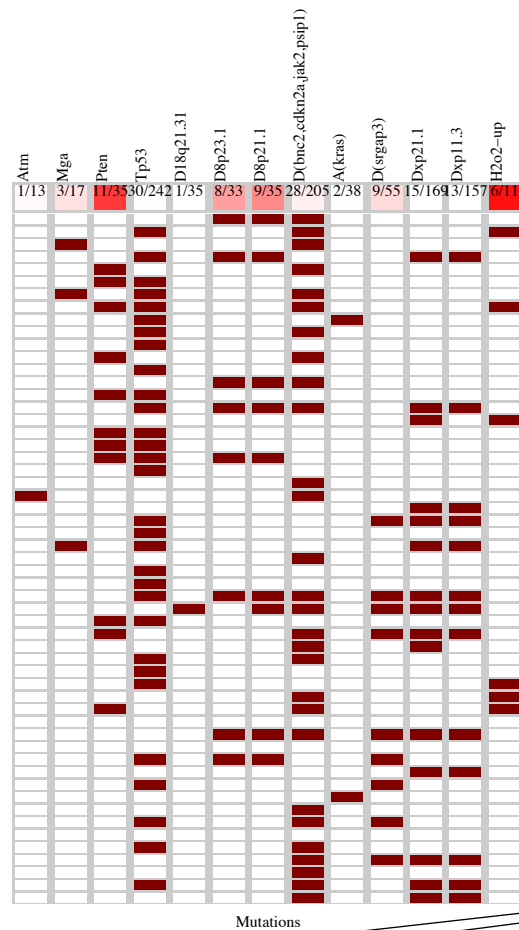
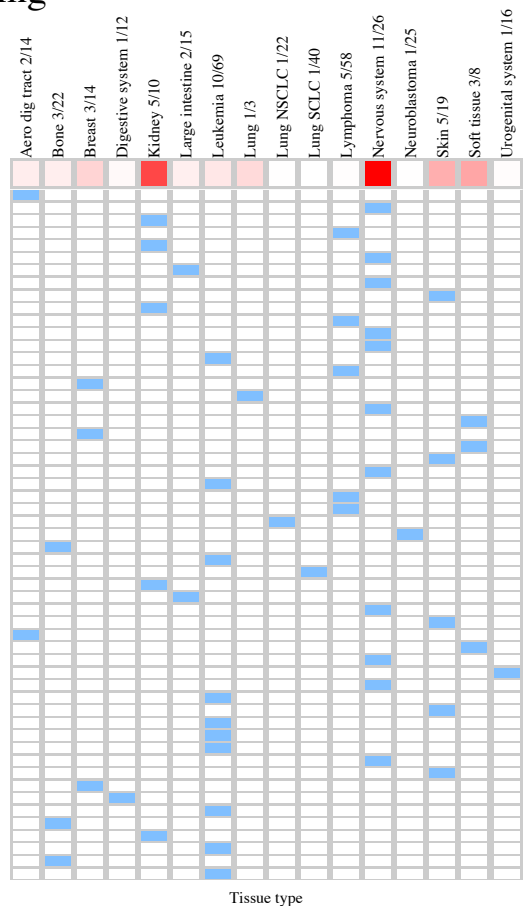
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a(DHX9)</b>	<b>~a(MYC) &amp; a(DHX9)</b>	<b>~d18q22 &amp; ~d(FAT) &amp; dXp21.</b>	<b>~d18q22 &amp; d(CAS) &amp; ~d(CHD) &amp; dXp21.</b>	<b>CREBBP   a(DHX9)</b>	<b>[~a(MYC) &amp; a(DHX9)]  </b>	<b>CREBBP   d4p16.  </b>	<b>CREBBP   d4q13.  </b>
TP   FP	3   9	3   4	15   69	17   70	9   30	15   57	13   42	17   69
Specificity	0.97	0.99	0.81	0.8	0.92	0.84	0.88	0.82
FN   TN	35   345	35   350	23   285	21   284	29   324	23   297	25   312	21   285
Precision	0.25	0.43	0.18	0.2	0.23	0.21	0.23	0.21
Recall	0.079	0.079	0.39	0.45	0.24	0.39	0.33	0.43

PANCAN  
id: 94 name: TGX221  
target: PI3Kbeta class: PI3K signaling

390 cell lines  
55 sensitive



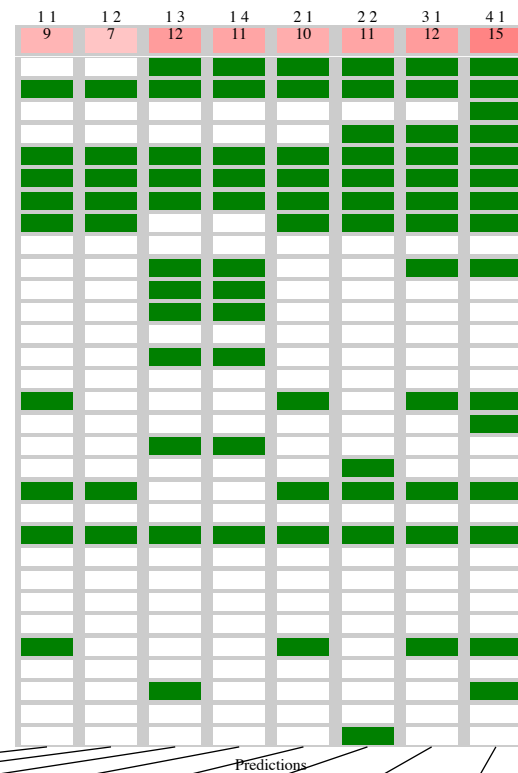
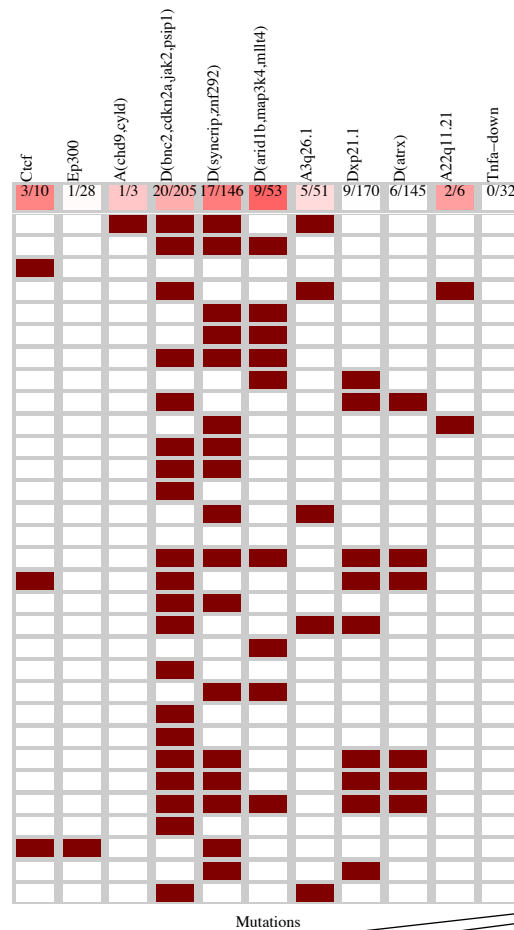
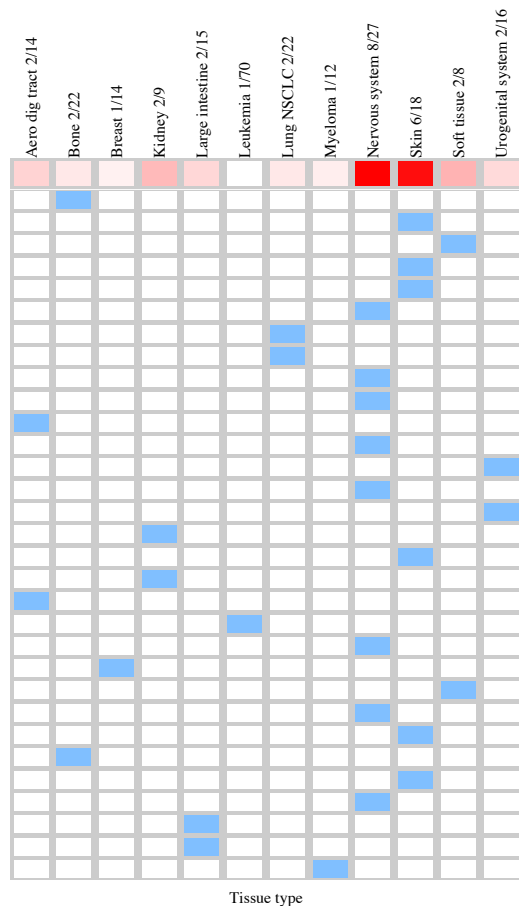
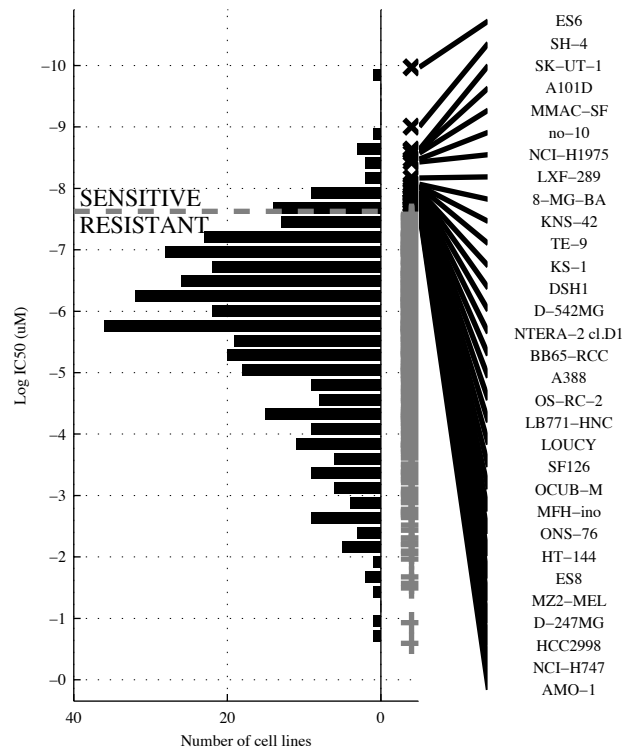
- BB49-HNC
- Becker
- A498
- SU-DHL-6
- OS-RC-2
- D-542MG
- C2BBel
- CAS-1
- IST-MEL1
- RXF393
- GA-10
- D-247MG
- no-10
- HAL-01
- KARPAS-422
- HCC1599
- MPP-89
- KALS-1
- SK-UT-1
- EVSA-T
- SW684
- A101D
- KS-1
- TE-9
- 997
- SU-DHL-4
- NU-DUL-1
- LXF-289
- GI-ME-N
- ES7
- KARPAS-231
- CPC-N
- RCC10RGB
- LS-411N
- D-392MG
- COLO-829
- TE-9
- SW872
- SNB75
- KGN
- SF126
- QIMR-WIL
- UACC-257
- GDM-1
- MLMA
- MV-4-11
- KNS-42
- GAK
- MRK-nu-1
- GC1Y
- HC-1
- ES6
- LB996-RCC
- LC4-1
- EW-1
- NKM-1



Model name	11	12	13	14	21	22	31	41
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>PTEN</b>	<b>PTEN &amp; -dXp21.</b>	<b>-TP53 &amp; d(BNC2&amp; -dXp11.</b>	<b>d(BNC2&amp;a(KRA&amp; -d(SRG&amp;-dXp21.</b>	<b>PTEN   d8p21.</b>	<b>[ -ATM &amp; PTEN ]   [ -d18q21&amp; d8p23. ]</b>	<b>MGA   PTEN   d8p21.</b>	<b>MGA   PTEN   d8p21. IH2O2-U</b>
TP   FP Specificity	11   24 0.93	10   13 0.96	13   34 0.9	18   65 0.81	19   48 0.86	18   33 0.9	22   52 0.84	26   56 0.83
FN   TN Precision	44   311 0.31	45   322 0.43	42   301 0.28	37   270 0.22	36   287 0.28	37   302 0.36	33   283 0.3	29   279 0.32
Recall	0.2	0.18	0.24	0.33	0.35	0.32	0.4	0.47

PANCAN  
 id: 104 name: Bortezomib  
 target: Proteasome class: other

391 cell lines  
 31 sensitive

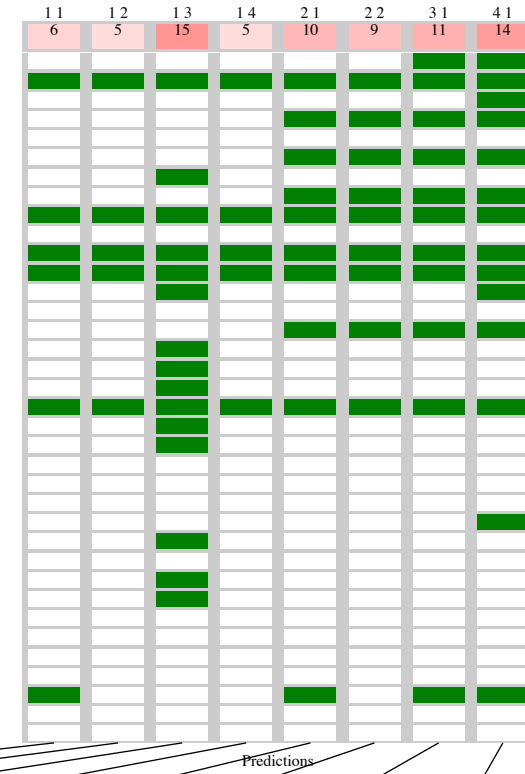
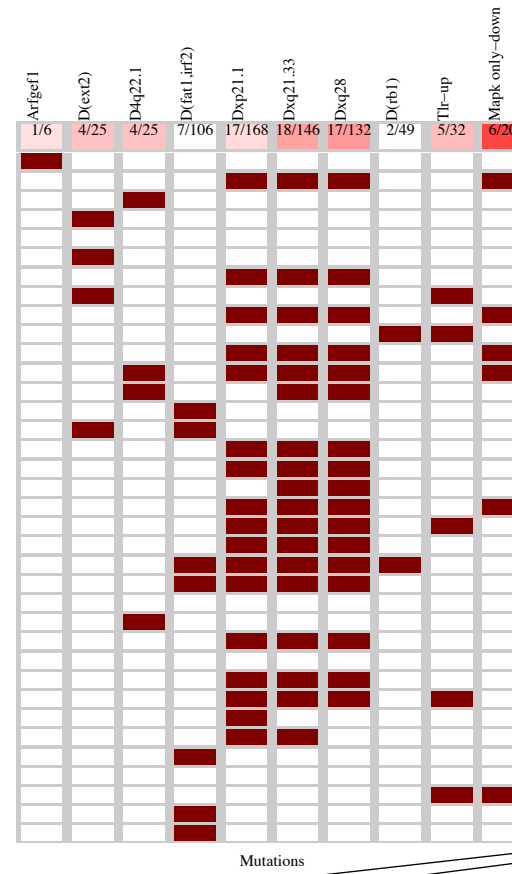
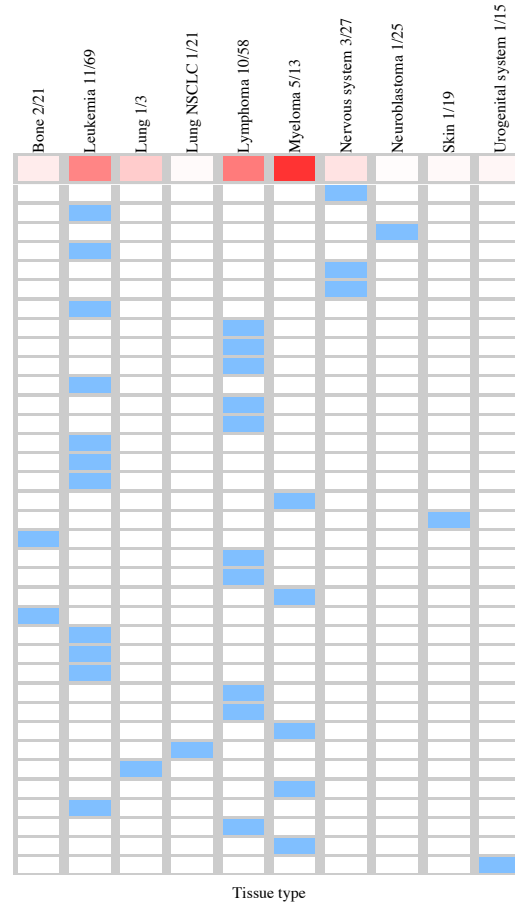
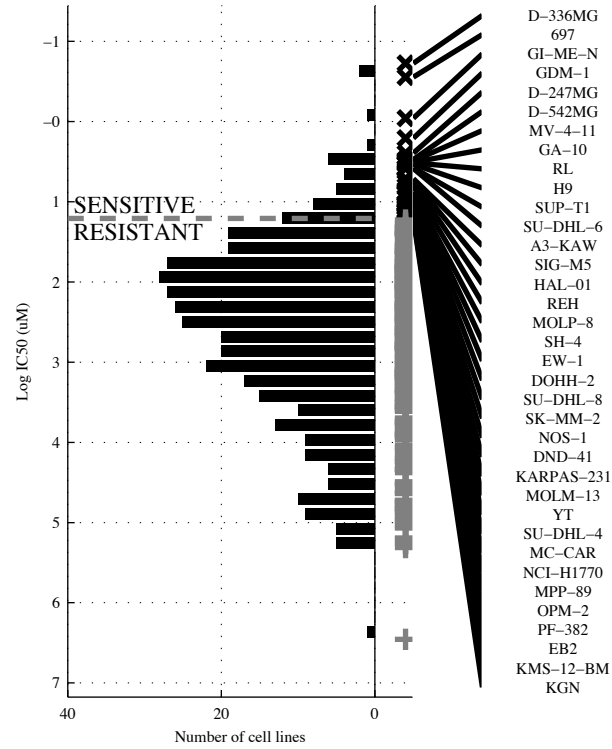


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d(ARID)</b>	<b>d(ARID&amp;d(ATRX)</b>	<b>d(SYNC&amp;~dXp21&amp;~TNFa-D</b>	<b>~EP300&amp;d(SYNC&amp;~dXp21&amp;TNFa-D</b>	<b>a(CHD9   d(ARID</b>	<b>[ d(BNC2&amp; a3q26. ]   [ d(ARID&amp;d(ATRX]</b>	<b>a(CHD9   d(ARID   a22q11</b>	<b>CTCF   a(CHD9   d(ARID   a22q11</b>
TP   FP	9   44	7   19	12   66	11   56	10   46	11   36	12   49	15   55
FN   TN	22   316	24   341	19   294	20   304	21   314	20   324	19   311	16   305
Specificity	0.88	0.95	0.82	0.84	0.87	0.9	0.86	0.84
Precision	0.17	0.27	0.15	0.16	0.18	0.23	0.2	0.21
Recall	0.29	0.23	0.39	0.35	0.32	0.35	0.39	0.47



PANCAN  
 id: 106 name: XMD8-85  
 target: MAP2K5 (ERK5) class: other

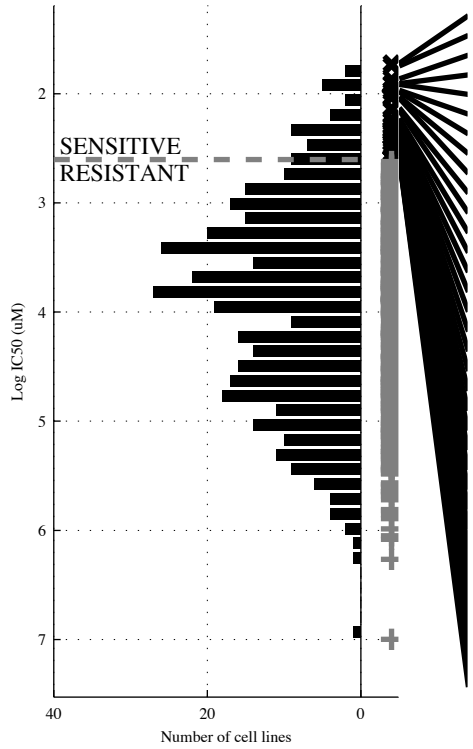
387 cell lines  
 36 sensitive



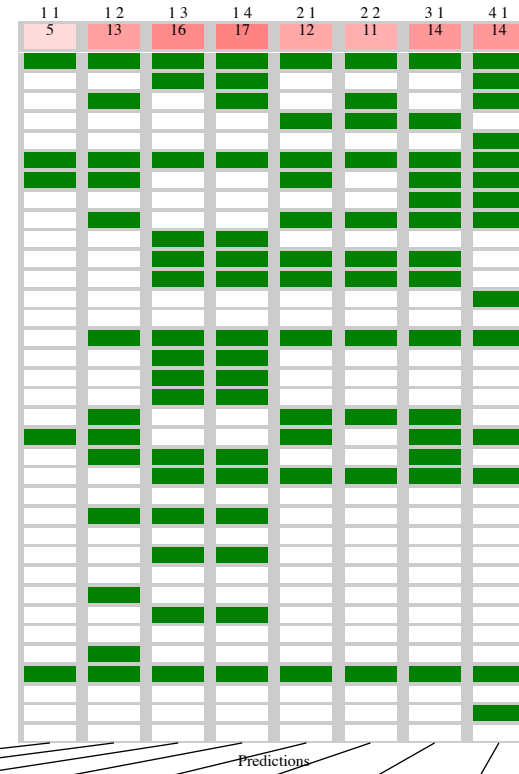
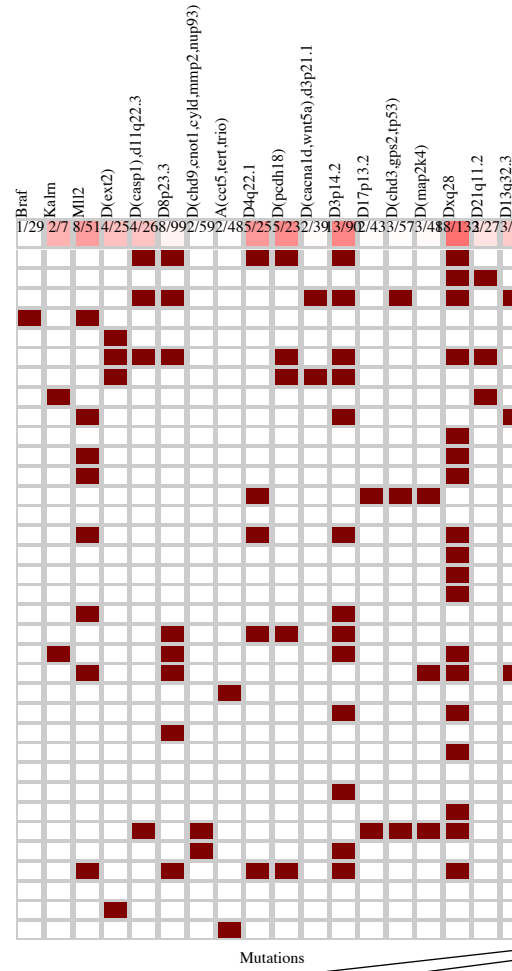
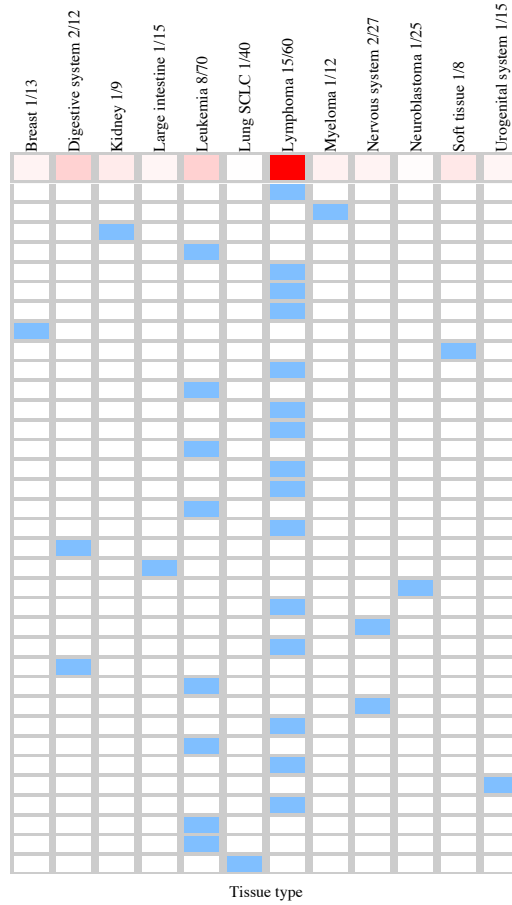
Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>MAPK o</b>		<b>dXq21.&amp;MAPK o</b>		<b>-d(FAT&amp; dXq28 &amp; -d(RB1)</b>		<b>dXp21.&amp;-d(RB1)&amp; -TLR-U&amp;MAPK o</b>		<b>d(EXT2  MAPK o</b>		<b>[ dXq21.&amp;MAPK o ]   [ d(EXT2&amp;-dXp21.)</b>		<b>ARFGFEI d(EXT2   MAPK o</b>		<b>ARFGFEI d(EXT2   d4q22.  MAPK o</b>	
TP   FP Specificity	6   14	0.96	5   7	0.98	15   61	0.83	5   3	0.88	10   34	0.9	9   16	0.97	11   39	0.89	14   57	0.83
FN   TN Precision	30   337	0.3	31   344	0.42	21   290	0.2	31   348	0.3	26   317	0.23	27   335	0.4	25   312	0.22	22   294	0.19
Recall	0.17		0.14		0.42		0.36		0.28		0.21		0.31		0.39	

PANCAN  
 id: 110 name: Roscovitine  
 target: CDKs class: cell cycle

387 cell lines  
 35 sensitive



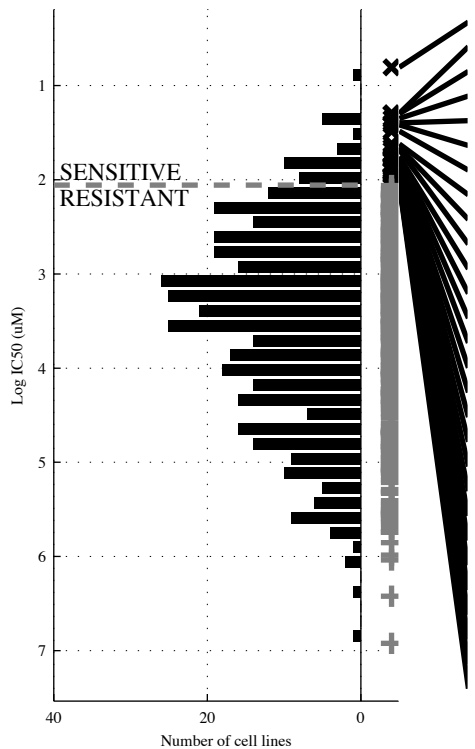
- A3-KAW
- MOLP-8
- BB65-RCC
- SIG-M5
- GA-10
- SUP-HD1
- ST486
- MRK-nu-1
- SK-UT-1
- SR
- 697
- SU-DHL-8
- SCC-3
- LOUCY
- BC-1
- JiyoyeP-2003
- MEG-01
- MC116
- GCIY
- COLO-320-HSR
- NB1
- BL-41
- GI-1
- SU-DHL-4
- NCI-SNU-16
- MOLM-13
- Becker
- SUP-M2
- MV-4-11
- KARPAS-299
- LB831-BLC
- SU-DHL-6
- RPMI-8402
- PL-21
- COR-L279



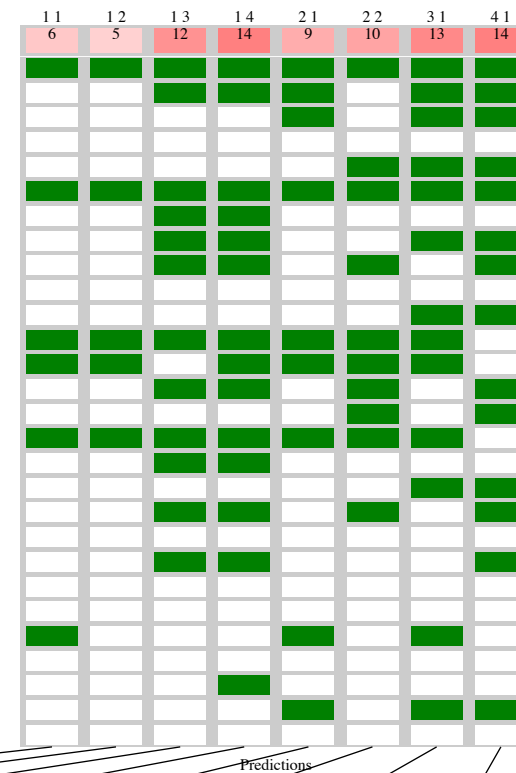
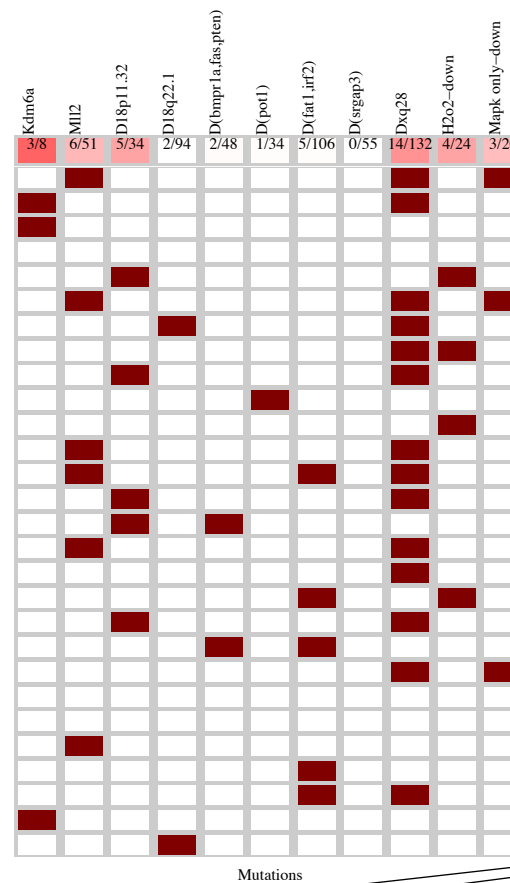
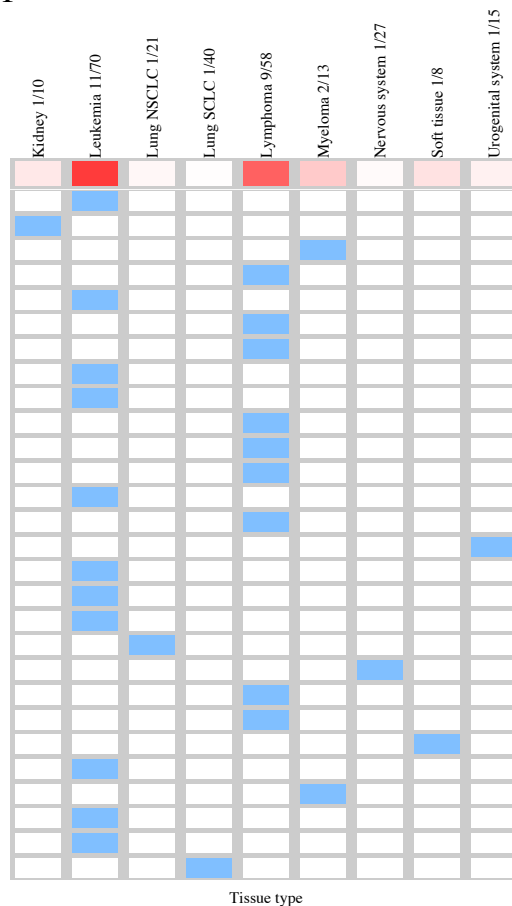
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d(PCDH)</b>	<b>d3p14. &amp; d(MAP2)</b>	<b>-d(CAC1) &amp; d(CHD3) &amp; d(Xq28)</b>	<b>-BRAF &amp; d(CHD3) &amp; -d17p13 &amp; d(Xq28)</b>	<b>MLL2   d(PCDH)</b>	<b>[ d(CASP &amp; d8p23. )   [ MLL2 &amp; a(CCT5) ]</b>	<b>KALRN   MLL2   d(PCDH)</b>	<b>d(EXT2   d4q22. )   d21q11   d13q32</b>
TP   FP	5   18	13   60	16   68	17   70	12   59	11   35	14   60	14   65
Specificity	0.95	0.83	0.81	0.8	0.83	0.82	0.83	0.82
FN   TN	30   334	22   292	19   284	18   282	23   293	24   317	21   292	21   287
Precision	0.22	0.18	0.19	0.2	0.17	0.19	0.19	0.18
Recall	0.14	0.37	0.46	0.49	0.34	0.41	0.4	0.4

PANCAN  
 id: 111 name: Salubrial  
 target: GADD34-PP1C class: other

388 cell lines  
 28 sensitive



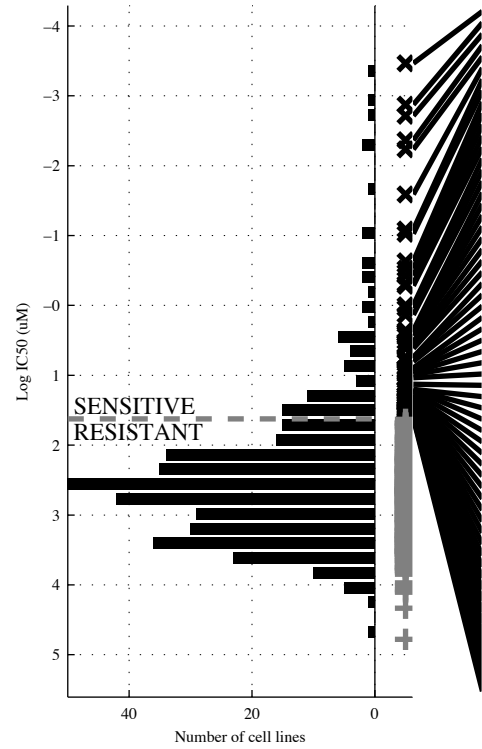
- 697
- LB2241-RCC
- LP-1
- GA-10
- ALL-PO
- SU-DHL-6
- MC116
- ML-2
- MV-4-11
- SU-DHL-16
- Daudi
- SU-DHL-8
- SUP-B15
- HDLM-2
- NEC8
- MHH-PREB-1
- ALL-SIL
- KMOE-2
- NCI-H720
- Becker
- WIL2-NS
- SUP-M2
- TE-441-T
- KARPAS-231
- KMS-12-BM
- EoL-1-cell
- BE-13
- NCI-H510A



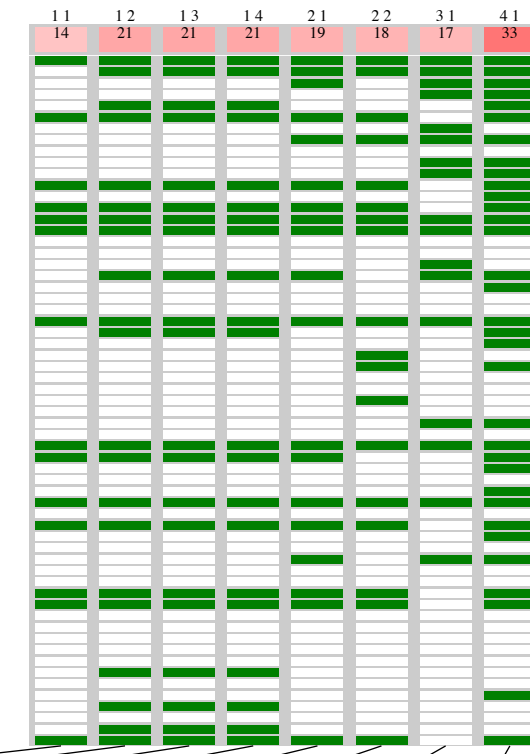
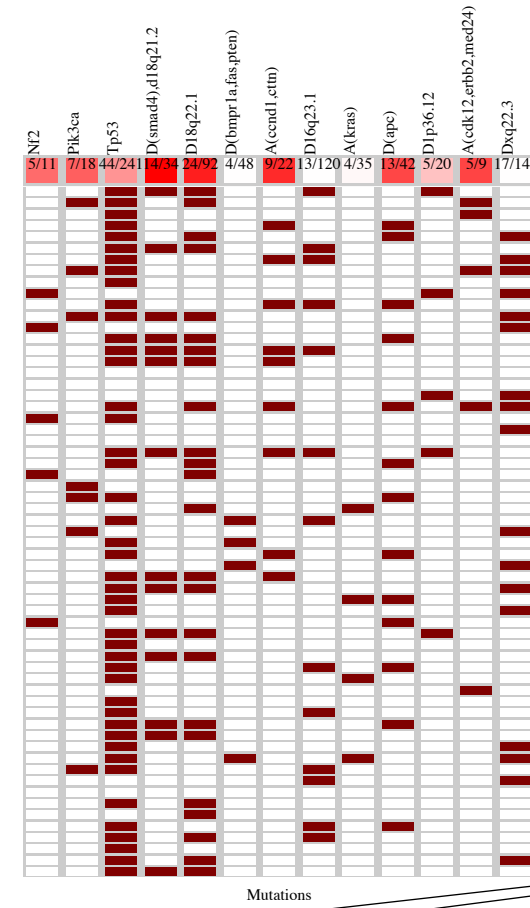
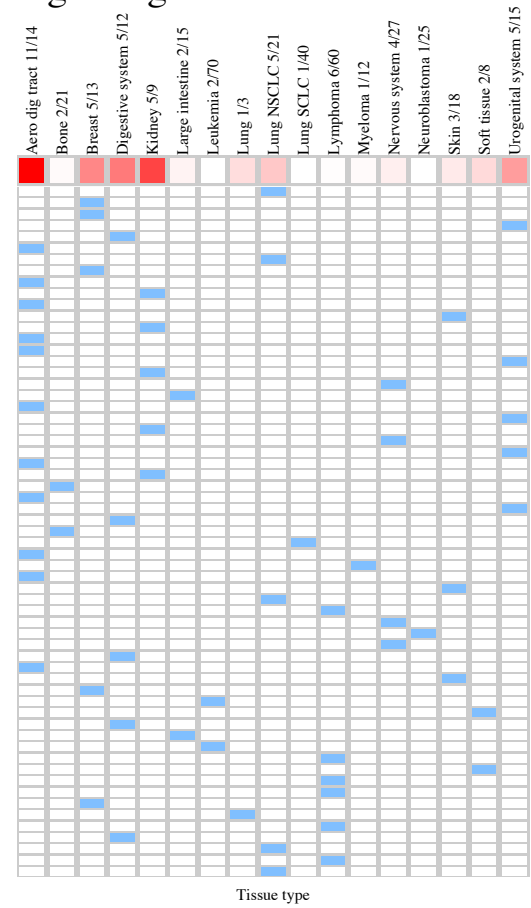
Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
M																
Logic formula	<b>MLL2</b>		<b>MLL2 &amp; dXq28</b>		<b>~d(FAT1 &amp; d(SRGA &amp; dXq28</b>		<b>~d(BMP1 &amp; d(POT1 &amp; dSRG &amp; dXq28</b>		<b>KDM6A   MLL2</b>		<b>[ MLL2 &amp; dXq28 ]   [ d18p11 &amp; ~d18q22 ]</b>		<b>KDM6A   MLL2   H2O2-D</b>		<b>KDM6A   d18p11   H2O2-D   MAPK o</b>	
TP   FP	6   45	0.88	5   13	0.96	12   67	0.81	14   69	0.81	9   49	0.86	10   21	0.94	13   66	0.82	14   69	0.84
FN   TN	22   315	0.12	23   347	0.28	16   293	0.15	14   291	0.17	19   311	0.16	18   339	0.32	15   294	0.16	14   291	0.18
Recall		0.21		0.18		0.43		0.5		0.32		0.36		0.46		0.46

PANCAN  
 id: 119 name: Lapatinib  
 target: ERBB2, EGFR class: EGFR signaling

387 cell lines  
 61 sensitive



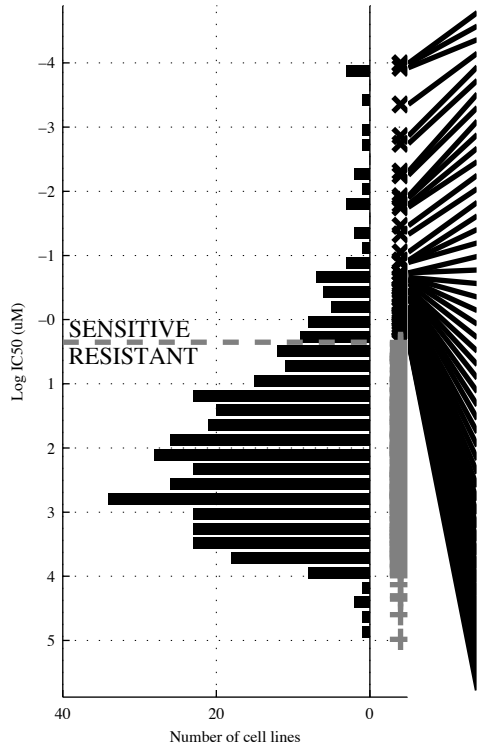
- NCI-H1648
- OCUB-M
- HCC2128
- DSH1
- ECC12
- BB30-HNC
- EKVY
- BT-474
- TE-12
- LB999-RCC
- TE-9
- A388
- LB2241-RCC
- TE-1
- A253
- SW962
- OS-RC-2
- KS-1
- LS-513
- TE-6
- RL95-2
- TK10
- D-302MG
- SW954
- TE-15
- LB1047-RCC
- EW-24
- TE-5
- NTERA-2 cl.D1
- TGBC1TKB
- ES4
- COLO-668
- TE-10
- MOLP-8
- TE-8
- DIM-1
- NCI-H1869
- SIU-DHL-8
- NMC-G1
- NB5
- GI-1
- ETK-1
- LB771-HNC
- IST-MEL1
- UACC-812
- PF-382
- SK-LMS-1
- G13TKB
- NCI-H747
- U-698-M
- BL-41
- SK-UT-1
- HDLM-2
- SEC-3
- HCC2137
- IST-MES1
- SU-DHL-16
- GCVY
- LXF-289
- MC116
- LC-2-ad



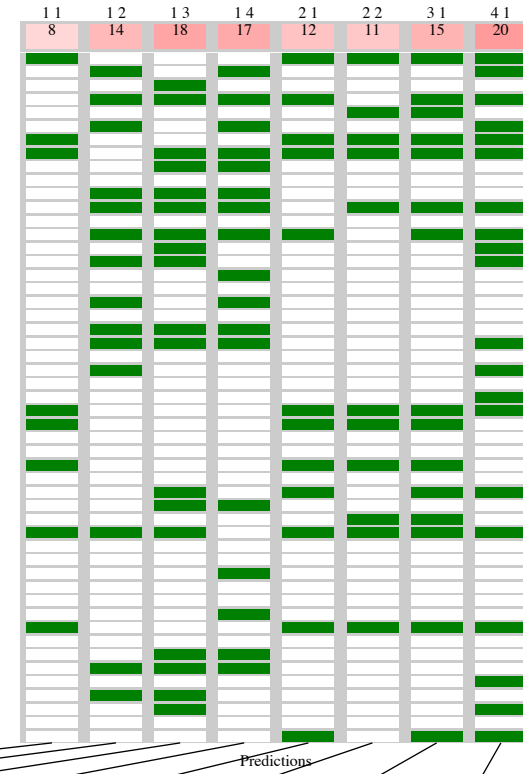
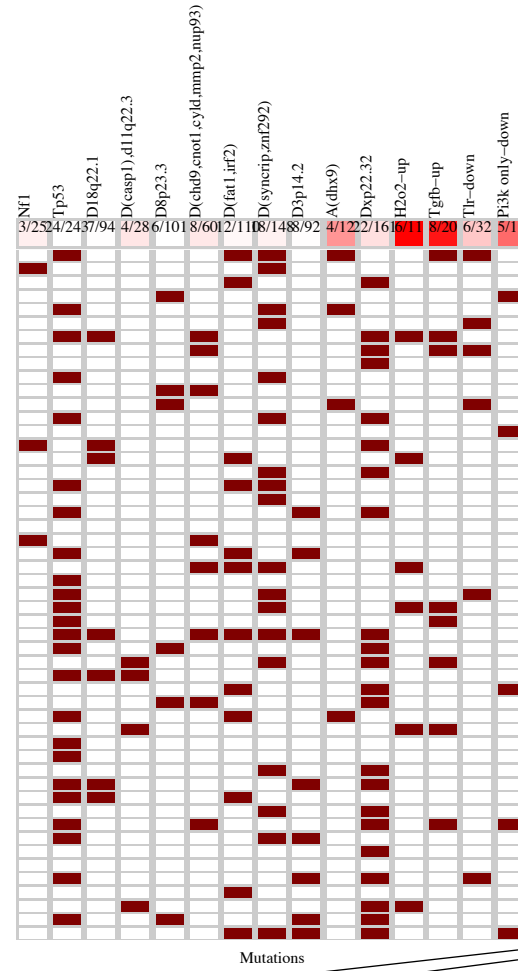
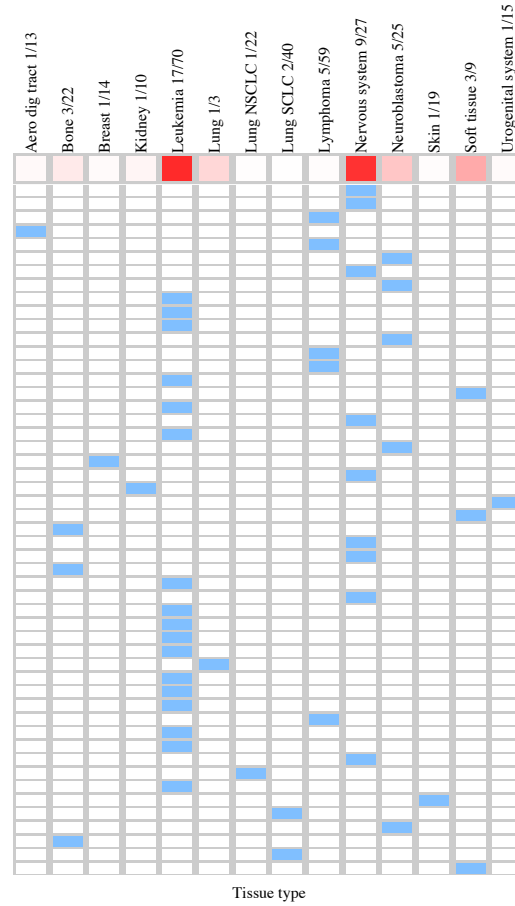
Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	1	1	1	2	1	3	1	4	2	1	2	3	1	4	1	
M	1	1	1	2	1	3	1	4	2	1	2	3	1	4	1	
Logic formula	<b>d(SMAD)</b>		<b>TP53 &amp; d18q22</b>		<b>TP53 &amp; d18q22 &amp; <math>\neg</math>d(BMPR)</b>		<b>TP53 &amp; d18q22 &amp; <math>\neg</math>d(BMPR) &amp; a(KRAS)</b>		<b>d(SMAD)   a(CDK1)</b>		<b>[d(SMAD &amp; <math>\neg</math>dXq22.)   [PIK3CA &amp; <math>\neg</math>d16q23]</b>		<b>a(CCND)   d1p36.   a(CDK1)</b>		<b>NF2   d(SMAD)   d(APC)   a(CDK1)</b>	
TP   FP	14   20	21   44	21   37	21   29	19   23	18   10	17   31	33   56	43   316	44   295	28   270	47   306	40   282	40   289	40   297	42   303
Specificity	0.94	0.87	0.89	0.91	0.93	0.88	0.9	0.84	0.39	0.45	0.28	0.23	0.34	0.36	0.34	0.31
Precision	0.41	0.32	0.36	0.42	0.45	0.45	0.35	0.37	0.45	0.45	0.35	0.41	0.32	0.36	0.42	0.37
Recall	0.23	0.34	0.34	0.34	0.31	0.39	0.28	0.51	0.39	0.45	0.28	0.23	0.34	0.36	0.34	0.31

PANCAN  
 id: 127 name: GSK269962A  
 target: ROCK1, ROCK2 class: cytoskeleton

392 cell lines  
 51 sensitive



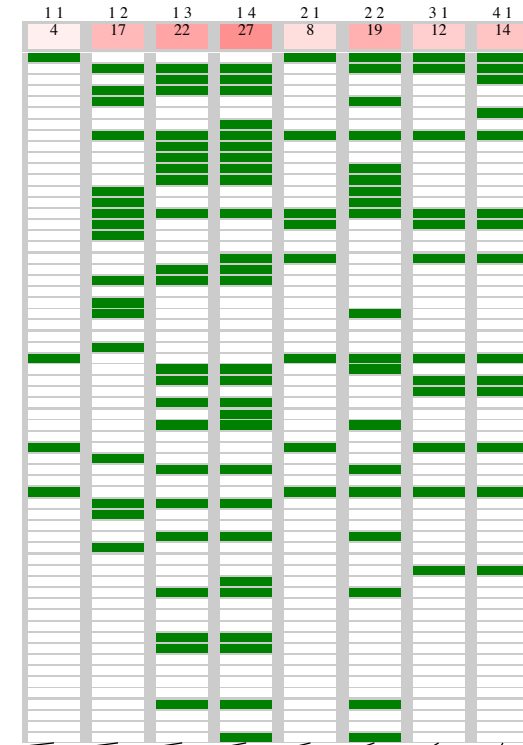
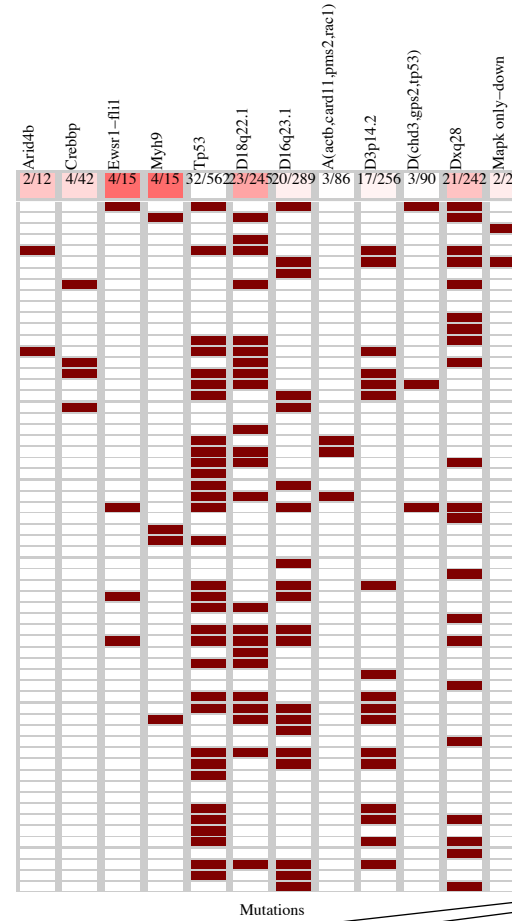
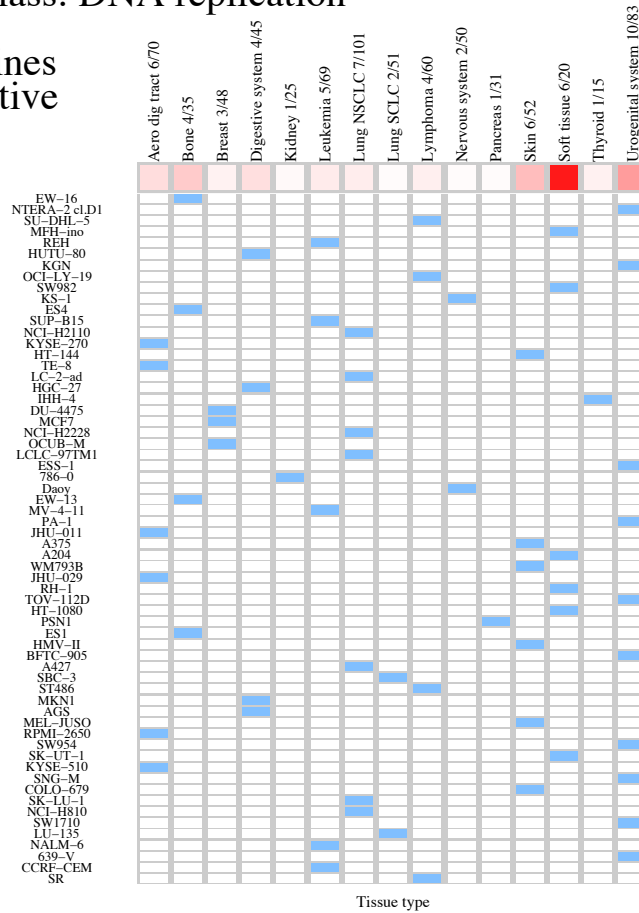
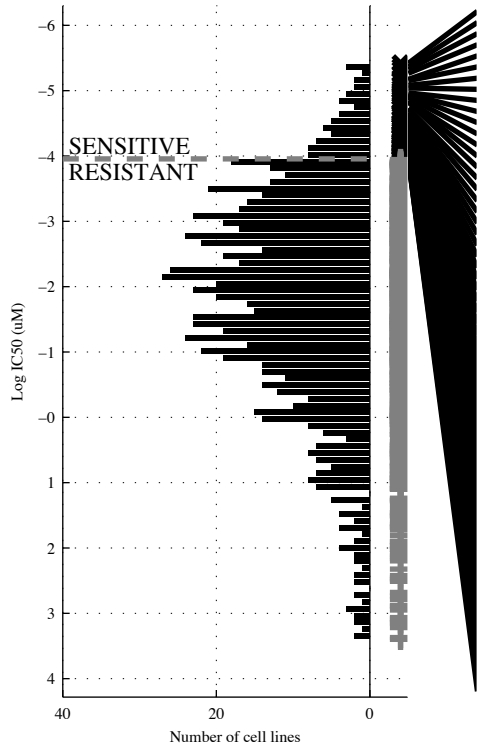
- GI-1
- KS-1
- SR
- BB49-HNC
- GA-10
- GI-ME-N
- D-263MG
- MHH-NB-11
- MV-4-11
- BE-13
- GDM-1
- NB1
- SU-DHL-8
- VAL
- OCL-AML5
- MFH-ino
- 697
- no-10
- QIMR-WIL
- NB6
- MRK-nu-1
- D-247MG
- RXF393
- KGN
- SW872
- ES6
- CAS-1
- D-336MG
- ES8
- EM-2
- D-392MG
- OCL-M1
- SUP-B15
- ALL-SIL
- CMK
- MPP-89
- KARPAS-231
- LOUCY
- ML-2
- Ramos-2G6-4C10
- PL-21
- MOLM-13
- SF539
- NCL-H1975
- NALM-6
- LB2518-MEL
- NCL-H1963
- NB17
- SJSA-1
- IST-SL2
- KYM-1



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>TGFB-U</b>	<b>-TP53 &amp; -dXp22.</b>	<b>-TP53 &amp; d(SYNG&amp;</b> <b>-d3p14.</b>	<b>-TP53 &amp; -d18q22&amp;</b> <b>-d(CAS1&amp;-d(FAT1</b>	<b>TGFB-U   PI3K o</b>	<b>[ -d8p23.&amp;TGFB-U ]</b> <b> </b> <b>[ -d(ChD&amp;a(DHX9 )</b>	<b>a(DHX9   TGFB-U</b>  <b>PI3K o</b>	<b>NF1   H2O2-U</b>  <b>TLR-DO   PI3K o</b>
TP   FP	8   12	14   62	18   55	17   66	12   19	11   15	15   27	20   57
Specificity	0.96	0.82	0.84	0.82	0.94	0.9	0.92	0.83
FN   TN	43   329	37   279	33   286	34   275	39   322	40   326	36   314	31   284
Precision	0.4	0.18	0.25	0.28	0.39	0.34	0.36	0.26
Recall	0.16	0.27	0.35	0.46	0.24	0.25	0.29	0.39

PANCAN  
 id: 133 name: Doxorubicin  
 target: DNA intercalating class: DNA replication

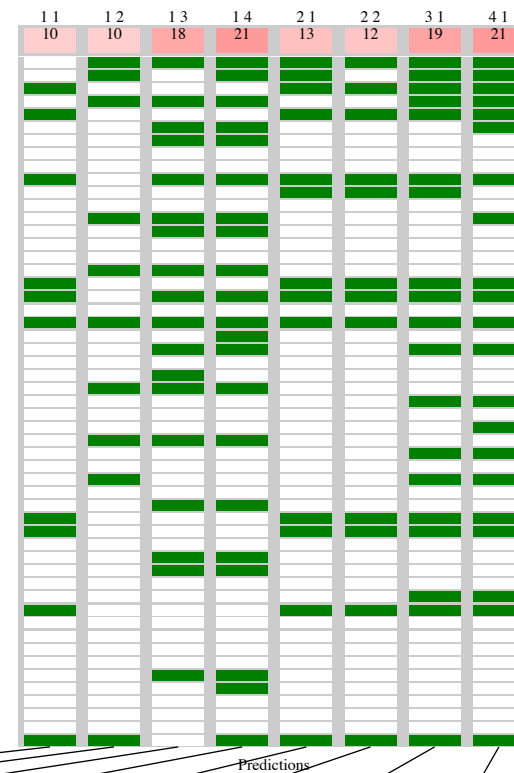
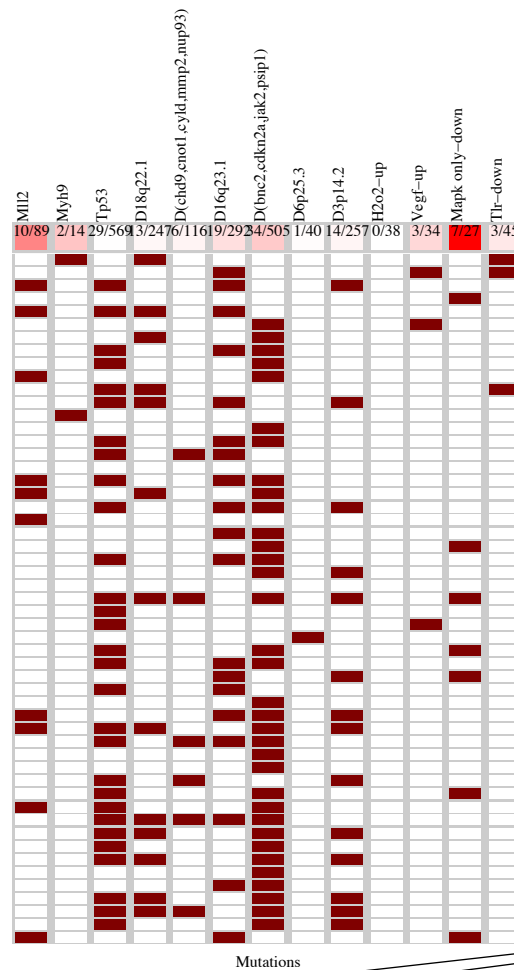
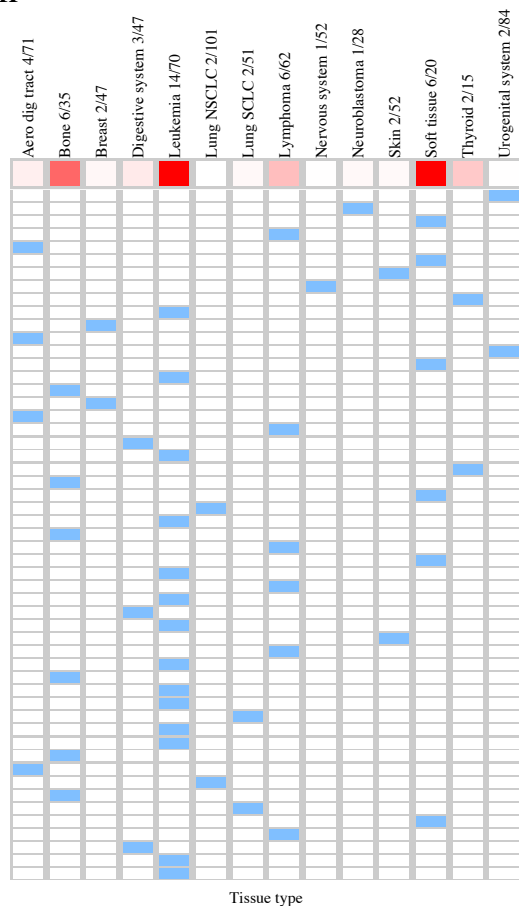
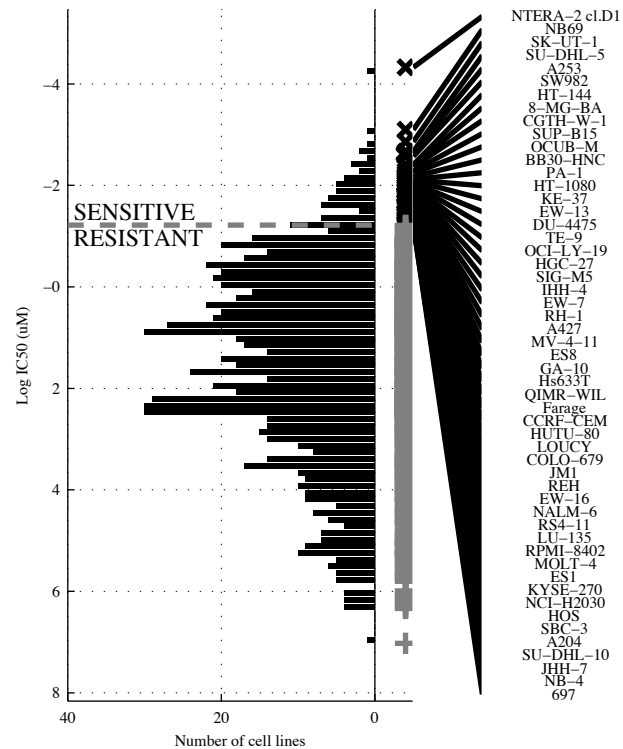
854 cell lines  
 62 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>EWSR1-</b>	<b>d18q22 &amp; ~d16q23</b>	<b>-TP53 &amp; ~d16q23 &amp; ~d3p14.</b>	<b>-TP53 &amp; a(ACTB) &amp; ~d3p14. &amp; d(CHD3)</b>	<b>CREBBP EWSR1-</b>	<b>[ ~d3p14. &amp; dXq28 ]   [ ARID4B &amp; d18q22 ]</b>	<b>CREBBP EWSR1-</b>	<b>CREBBP EWSR1-</b>
TP   FP	4   11	17   128	22   131	27   155	8   49	19   132	12   58	14   75
FN   TN	58   781	45   664	40   661	35   637	54   743	43   660	50   734	48   717
Specificity	0.99	0.84	0.83	0.81	0.94	0.83	0.93	0.91
Precision	0.27	0.12	0.14	0.15	0.14	0.13	0.17	0.16
Recall	0.065	0.27	0.35	0.42	0.13	0.31	0.19	0.23

PANCAN  
 id: 134 name: Etoposide  
 target: TOP2 class: DNA replication

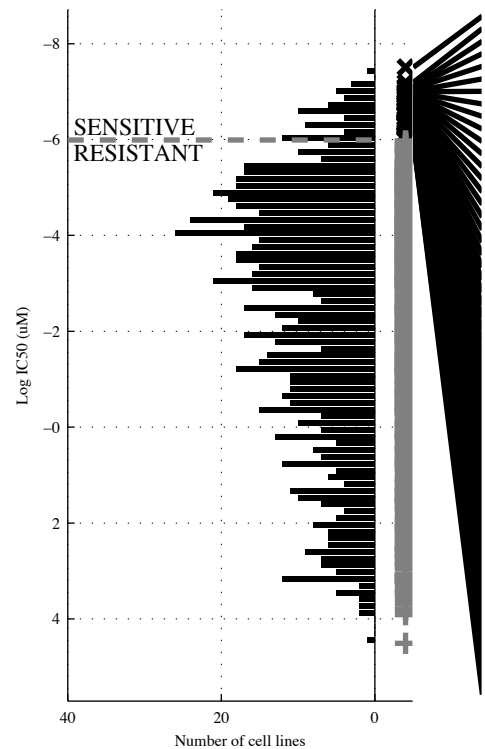
864 cell lines  
 53 sensitive



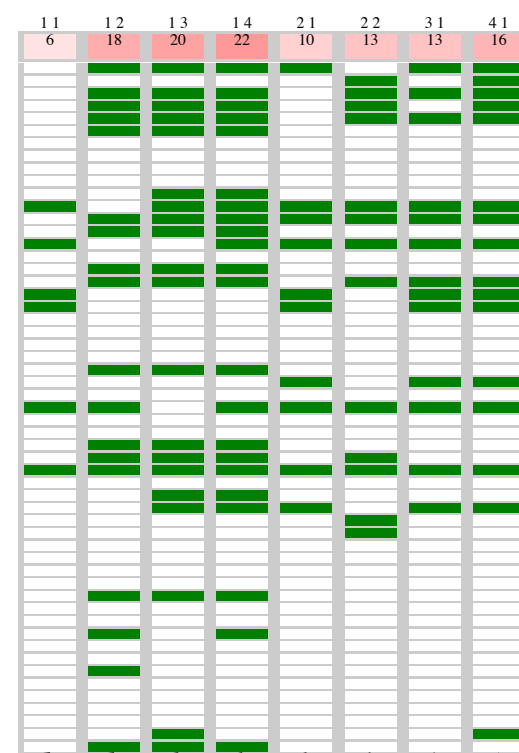
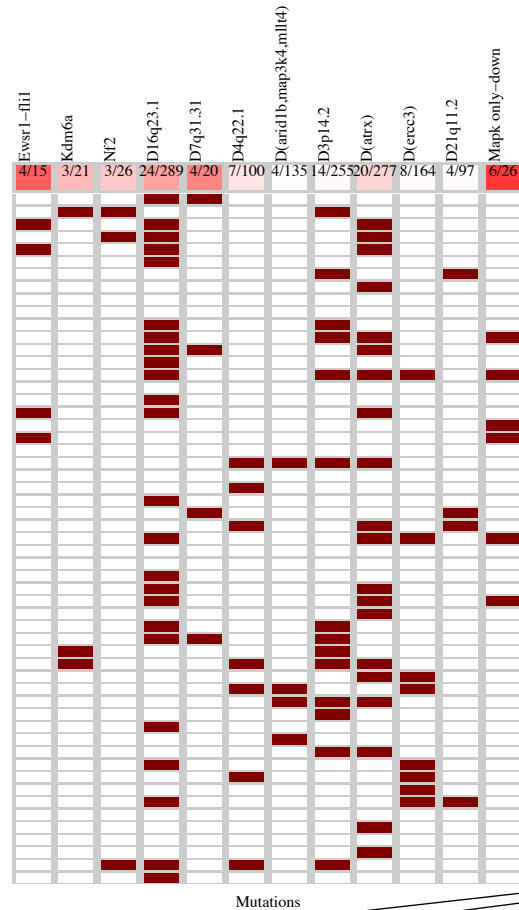
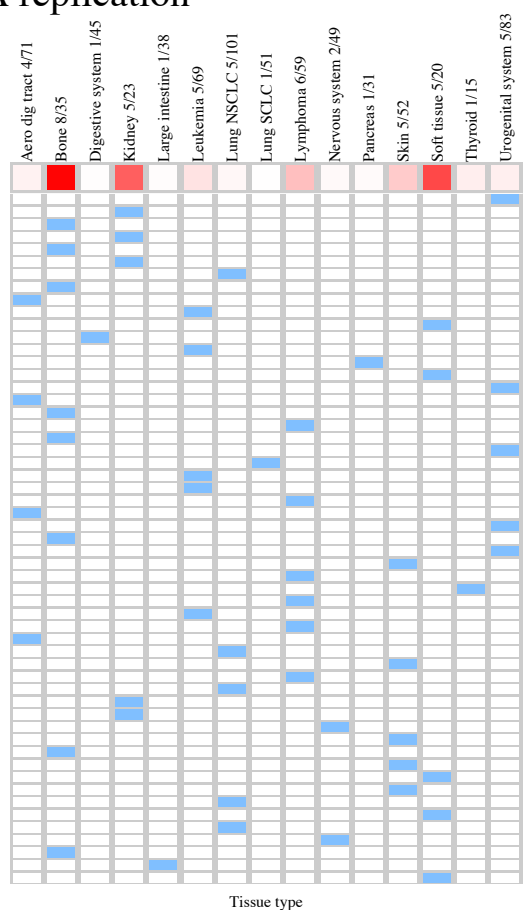
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MLL2</b>	<b>-TP53 &amp; d(BNC2)</b>	<b>-TP53 &amp; d16q23&amp;</b> <b>-H2O2-U</b>	<b>-TP53 &amp; d(CHD&amp;</b> <b>-d3p14.&amp;H2O2-U</b>	<b>MLL2   TLR-DO</b>	<b>[ MLL2 &amp; d6p25.]</b> <b> </b> <b>[ d18q22 &amp; TLR-DO]</b>	<b>MLL2   MAPK o</b> <b> </b> <b>TLR-DO</b>	<b>MLL2   MYH9  </b> <b> </b> <b>VEGF-UIMAPK o</b>
TP   FP	10   79	10   93	18   156	21   157	13   119	12   80	19   136	21   131
FN   TN	43   732	43   718	35   655	32   654	40   692	41   731	34   675	32   680
Specificity	0.9	0.89	0.81	0.81	0.85	0.89	0.83	0.84
Precision	0.11	0.097	0.1	0.12	0.098	0.13	0.12	0.14
Recall	0.19	0.19	0.34	0.4	0.25	0.23	0.36	0.4

PANCAN  
 id: 135 name: Gemcitabine  
 target: DNA replication class: DNA replication

849 cell lines  
 55 sensitive



- KGH
- LB2241-RCC
- EST
- ACHN
- EW-13
- 786-0
- LC-2-ad
- ESA
- KYSE-510
- QIMR-WIL
- SK-UT-1
- HUTU-80
- NKM-1
- PSN1
- KYM-1
- SNG-M
- PCI-4B
- EW-16
- SU-DHL-5
- EW-7
- TOV-112D
- SBC-5
- SIG-M5
- KARPAS-231
- Hs-445
- TE-15
- BFTC-905
- SK-PN-DW
- SW1710
- IST-MEL1
- JSC-1
- IHH-4
- WIL2-NS
- MV-4-11
- JM1
- BB30-HNC
- SK-LU-1
- WM1552C
- NU-DUL-1
- NCI-H2228
- BB65-RCC
- 709-P
- SW1783
- A375
- HOS
- MEL-JUSO
- SW982
- A431
- NCI-H2122
- Hs633T
- NCI-H1355
- Daoy
- MG-63
- RKO
- SK-LMS-1



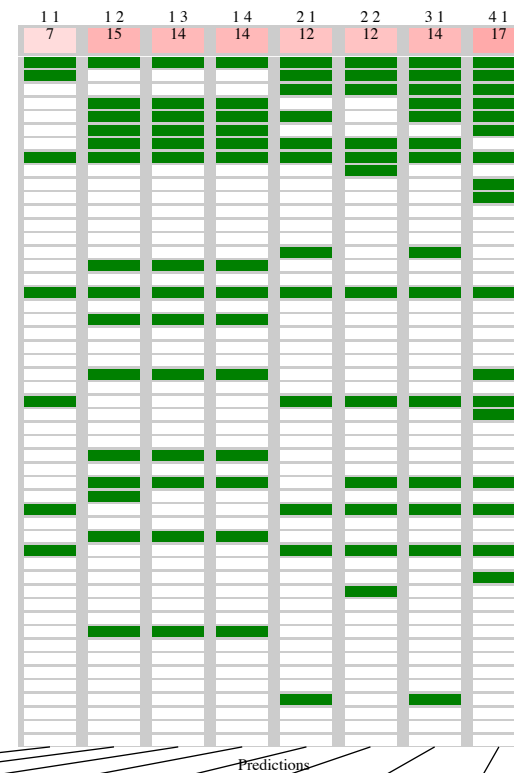
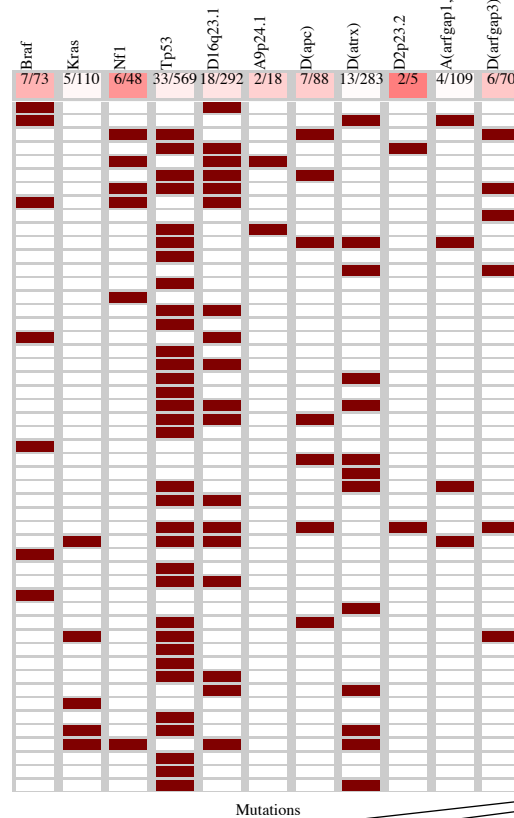
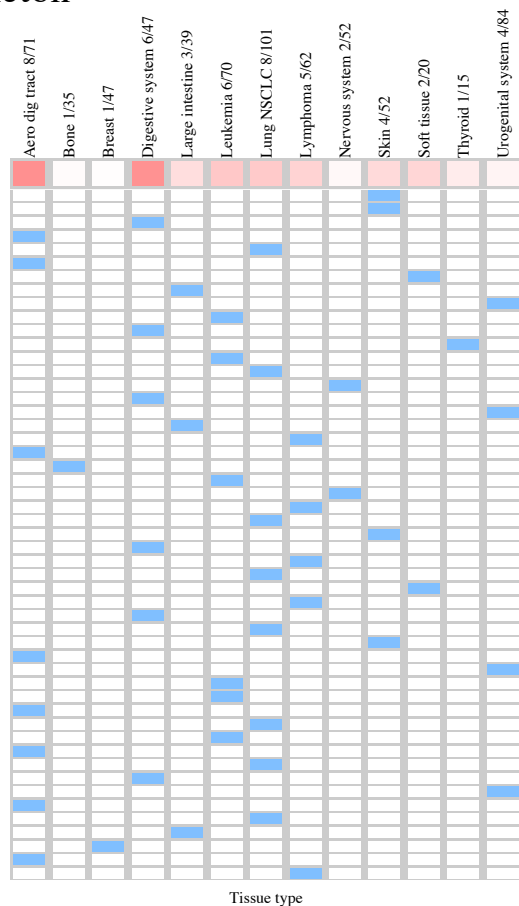
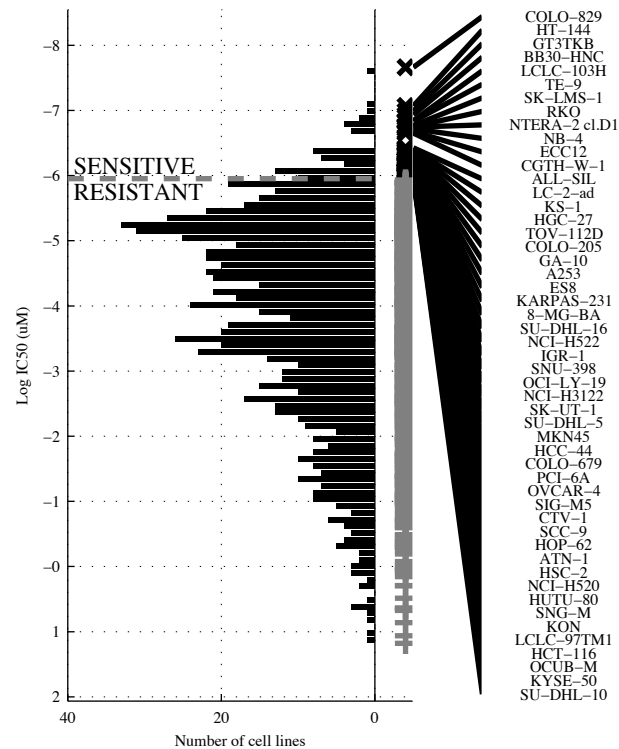
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MAPK o</b>	<b>d16q23 &amp; ¬d3p14.</b>	<b>d16q23 &amp; ¬d(ARIIX &amp; ¬d(ERCC</b>	<b>d16q23 &amp; ¬d4q22. &amp; ¬d(ARIIX &amp; ¬d21q11</b>	<b>d7q31.   MAPK o</b>	<b>[KDM6A &amp; d3p14. ]   [ d16q23 &amp; d(ATRX]</b>	<b>EWSR1-  d7q31.   MAPK o</b>	<b>EWSR1-  NF2   d7q31.   MAPK o</b>
TP   FP	6   20	18   148	20   158	22   153	10   36	13   114	13   44	16   67
Specificity	0.97	0.81	0.8	0.81	0.95	0.89	0.94	0.92
FN   TN	49   774	37   646	35   636	33   641	45   758	42   680	42   750	39   727
Precision	0.23	0.11	0.11	0.13	0.22	0.15	0.23	0.19
Recall	0.11	0.33	0.36	0.4	0.18	0.2	0.24	0.29





PANCAN  
 id: 140 name: Vinorelbine  
 target: Microtubules class: cytoskeleton

864 cell lines  
 51 sensitive

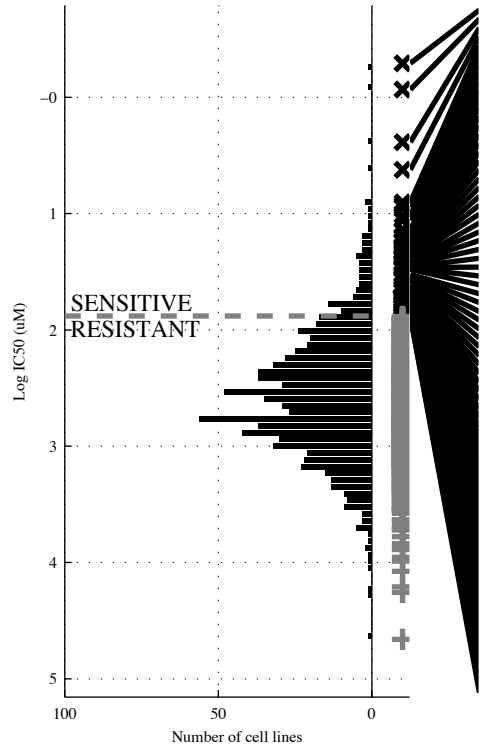


Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>BRAF</b>		<b>d16q23 &amp; d(ATRX)</b>		<b>d16q23 &amp; d(ATRX) &amp; -a(ARFG)</b>		<b>-KRAS &amp; d16q23 &amp; -d(ATRX) &amp; a(ARFG)</b>		<b>BRAF   NF1</b>		<b>[ -d(ATRX) &amp; d(ARFG)   [ BRAF &amp; -TP53 ] ]</b>		<b>BRAF   NF1   d2p23.</b>		<b>BRAF   a9p24.   d(APC)   d2p23.</b>	
TP   FP Specificity	7   66	0.92	15   157	0.81	14   129	0.84	14   100	0.88	12   104	0.87	12   59	0.93	14   107	0.87	17   159	0.8
FN   TN Precision	44   747	0.096	36   656	0.087	37   684	0.098	37   713	0.12	39   709	0.1	39   754	0.16	37   706	0.12	34   654	0.097
Recall	0.14		0.29		0.27		0.27		0.24		0.22		0.27		0.33	

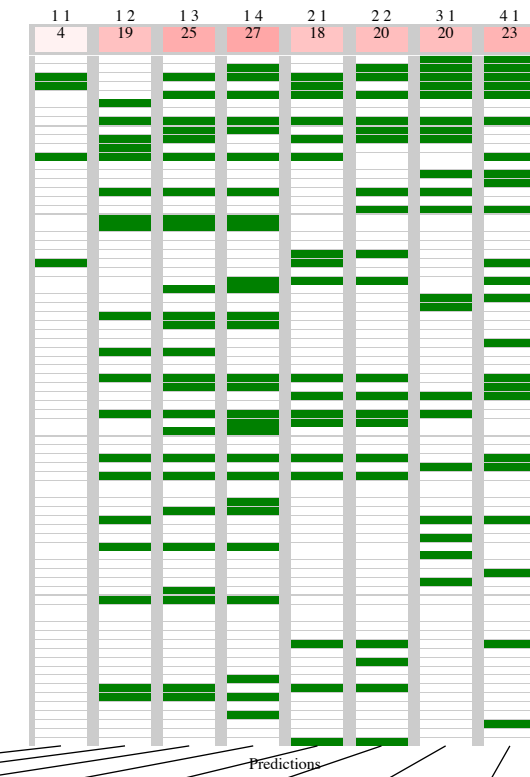
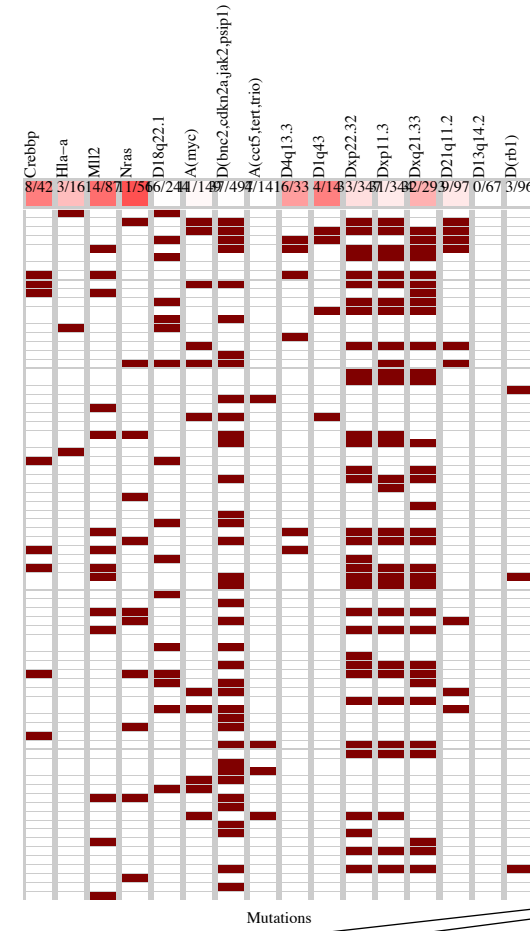
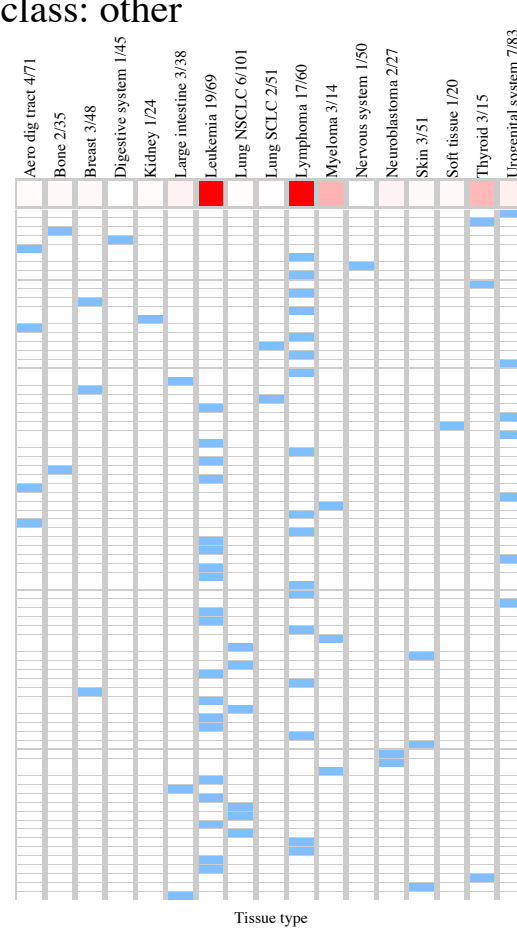


PANCAN  
 id: 150 name: Bicalutamide  
 target: ANDR (androgen receptor) class: other

853 cell lines  
 78 sensitive



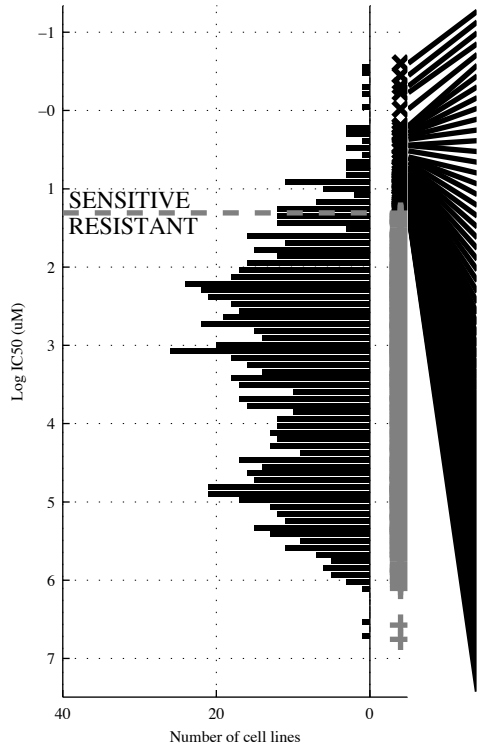
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 G-292 Clone A141B1  
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 HPL4  
 SU-DHL-1  
 CAMA-1  
 SU-DHL-4  
 LB1047-RCC  
 SAS  
 SCC-3  
 LU-1187  
 SU-DHL-16  
 BPC-157  
 P32-ISH  
 LS-180  
 DU-4475  
 NCI-H660  
 NCI-M5  
 SIG-M5  
 C-33  
 Hs53T  
 KU-19-19  
 NALM-6  
 SU-DHL-5  
 OCI-M1  
 NOS-1  
 OCI-AML2  
 T-1  
 PA-1  
 RPMI-8226  
 SUP-M2  
 KYSE-700  
 BL-41  
 HIE-17  
 KARPAS-231  
 TOV-112D  
 MHH-PRE1-1  
 CTV-1  
 SK-1  
 SI486  
 SW780  
 697  
 P12-HCHIKAWA  
 SU-DHL-8  
 KARPAS-620  
 NCI-H143  
 SK-MEL-3  
 NCI-H2009  
 P31-FU5  
 A5-KAW  
 MRK-mu-1  
 MY-4-1  
 NCI-H2122  
 RPMI-8402  
 P3-382  
 DEL  
 G-MEL  
 IMR-5  
 NBI3  
 AMO-1  
 NB-4  
 SK-CO-1  
 MDL-4  
 NCI-H1696  
 CCRF-CEM  
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 L1210Y  
 ALL-SH  
 T1269-C02  
 A375  
 SW48



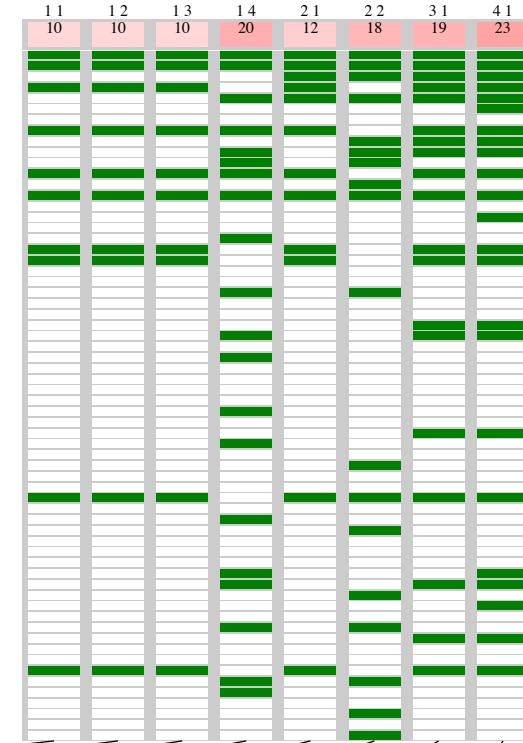
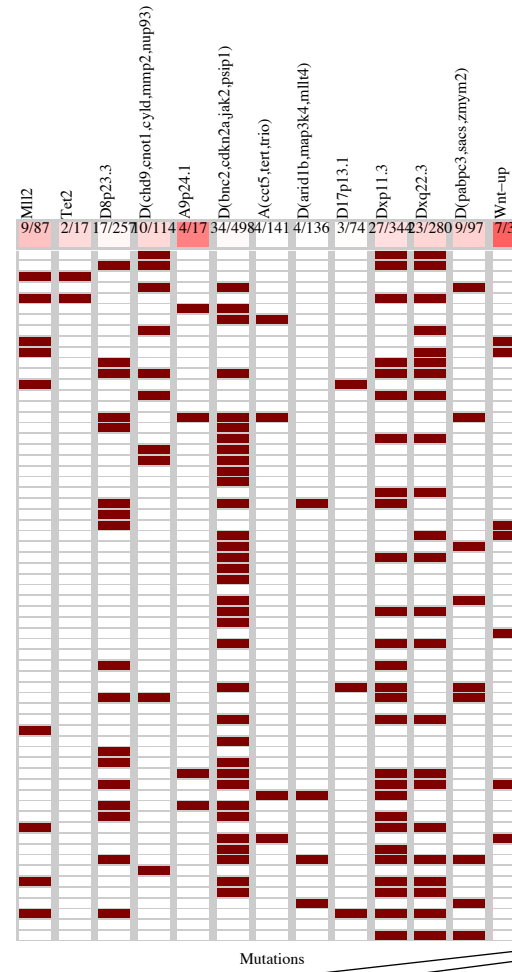
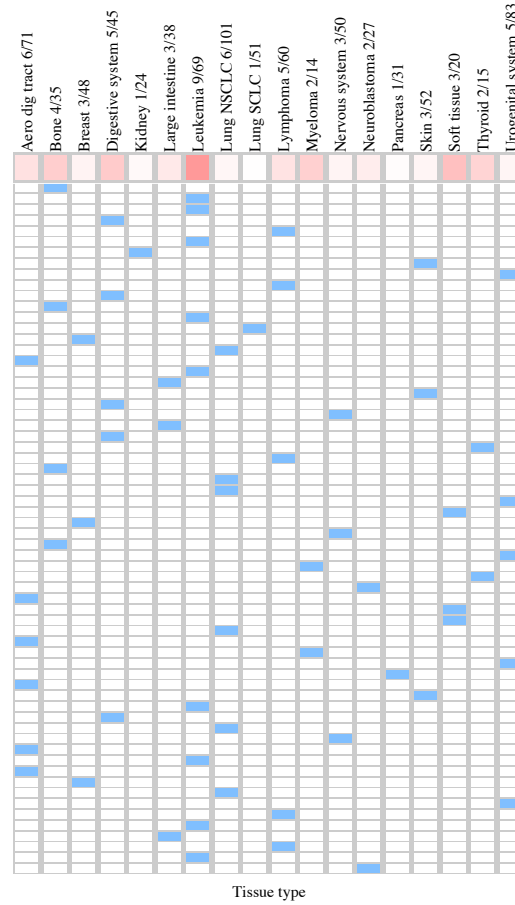
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d1q43</b>	<b>~d(BNC&amp;dXq21.</b>	<b>~d18q22&amp;dXq21.&amp;</b>	<b>~d18q22&amp;a(CCT&amp;</b>	<b>MLL2   d1q43</b>	<b>[ a(MYC)&amp;dXp11. ]</b>	<b>CREBBP   HLA-A  </b>	<b>HLA-A   NRAS  </b>
			<b>~d(RB1)</b>	<b>dXp22.&amp;~d13q14</b>		<b>[ MLL2 &amp;a(CCT5]</b>	<b>d21q11</b>	<b>d4q13.   d1q43</b>
TP   FP	4   10	19   82	25   135	27   148	18   83	20   94	20   124	23   89
Specificity	0.99	0.89	0.83	0.81	0.89	0.92	0.87	0.88
FN   TN	74   765	59   693	53   640	51   627	60   692	58   681	58   651	55   686
Precision	0.29	0.19	0.16	0.15	0.18	0.24	0.17	0.21
Recall	0.051	0.24	0.32	0.35	0.23	0.19	0.27	0.32

PANCAN  
 id: 151 name: QS11  
 target: ARFGAP class: other

854 cell lines  
 64 sensitive



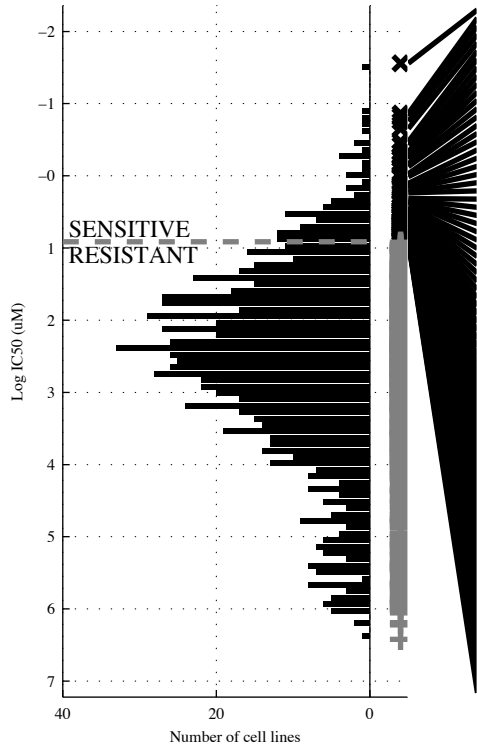
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 RPMI-7951  
 639-V  
 NU-DUL-1  
 HUTU-80  
 E57  
 KARPAS-231  
 LU-135  
 DU-4475  
 LCLC-103H  
 KYSE-270  
 Ecol-1  
 COLO-505  
 G-361  
 MKN28  
 H4  
 HCT-15  
 HCC-27  
 8305C  
 SU-DHL-5  
 HOS  
 NCI-H2122  
 CAL-121  
 SW710  
 MFH-imp  
 CAL-51  
 DP295  
 SISA-1  
 DSH1  
 KARPAS-620  
 HH-4  
 SK-N-DZ  
 HSC-3  
 Hs637  
 SK-LMS-1  
 HOP-62  
 SAS  
 MOLP-8  
 TOV-21G  
 TSN1  
 BB30-HNC  
 A431  
 HH1  
 Hep3B2-7  
 HCC-44  
 Dany  
 TE-8  
 697  
 KYSE-510  
 MCF7  
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 SW620  
 BI-1  
 QIMR-WIL  
 IMR-5



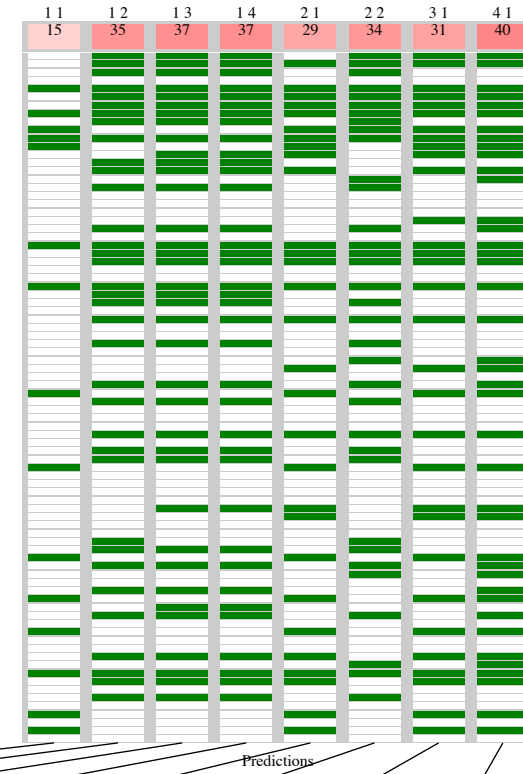
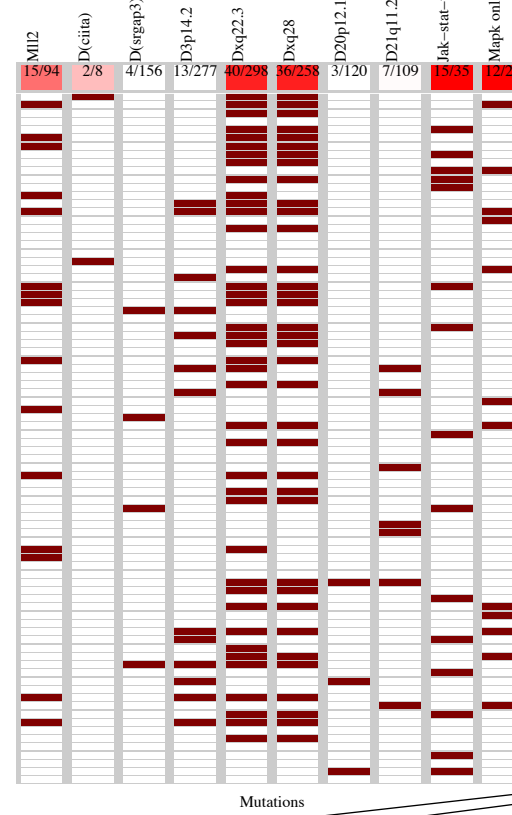
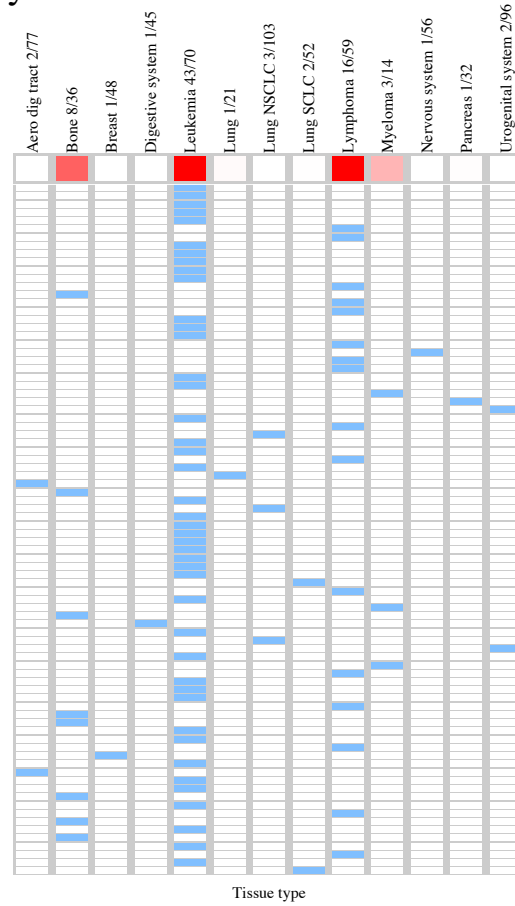
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d(CHD9)</b>	<b>d(CHD9)&amp;d(ARID)</b>	<b>d(CHD9)&amp;a(CCT&amp;</b> <b>-d(ARID)</b>	<b>-d(ARID)&amp;-d17p13&amp;</b> <b>dXq22.&amp;d(PABP)</b>	<b>TET2  d(CHD9</b>	<b>[ MLL2 &amp;-d8p23.]</b> <b> </b> <b>[-d(BNC&amp;dXp11. ]</b>	<b>TET2  d(CHD9 </b>	<b>TET2  d(CHD9 </b> <b>a9p24.  Wnt-UP</b>
TP   FP	10   104	10   75	10   60	20   145	12   118	18   144	19   144	23   154
Specificity	0.87	0.91	0.92	0.82	0.85	0.82	0.82	0.81
FN   TN	54   686	54   715	54   730	44   645	52   672	46   646	45   646	41   636
Precision	0.088	0.12	0.14	0.12	0.092	0.11	0.12	0.13
Recall	0.16	0.16	0.16	0.31	0.19	0.27	0.3	0.36

PANCAN  
 id: 152 name: CP466722  
 target: ATM class: Genome integrity

903 cell lines  
 84 sensitive



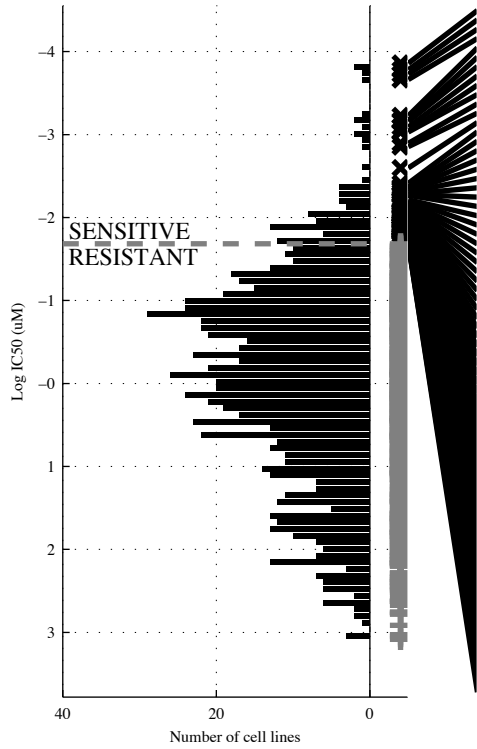
KASUMI-1  
 MCF7  
 MOLT-13  
 OCL-LY-19  
 K562  
 A549  
 HCT116  
 MONO-MAC-6  
 NCI-H145  
 NCI-H1975  
 SU-DHL-6  
 EBC-1  
 NALM-6  
 LOUCY  
 DDX1  
 WILMS  
 C127  
 PLO-OHR  
 PLO-OAR  
 PA  
 MCF-10  
 LCLC-SYMI  
 SU-DHL-1  
 SU-DHL-10  
 HCT116  
 NCI-H1775  
 LAMA-84  
 Ect1  
 OHR-WIL  
 P12-JCHKAWA  
 SU-DHL-5  
 SBC-5  
 K562  
 K562-EM  
 CEM-C3  
 EBC-17H  
 K562-8  
 KARPAS-620  
 HPL-1  
 OCL-AML5  
 CEM  
 CESS  
 VAV  
 EW-18  
 EW-1  
 NB-1  
 RPMI-6666  
 RPMI-8226  
 CORE-CEM  
 OCL-1  
 OCL-1  
 EBC-1  
 HCT-1  
 HCT-1  
 K562  
 K562  
 PL-21  
 K562-2  
 COR-L57I



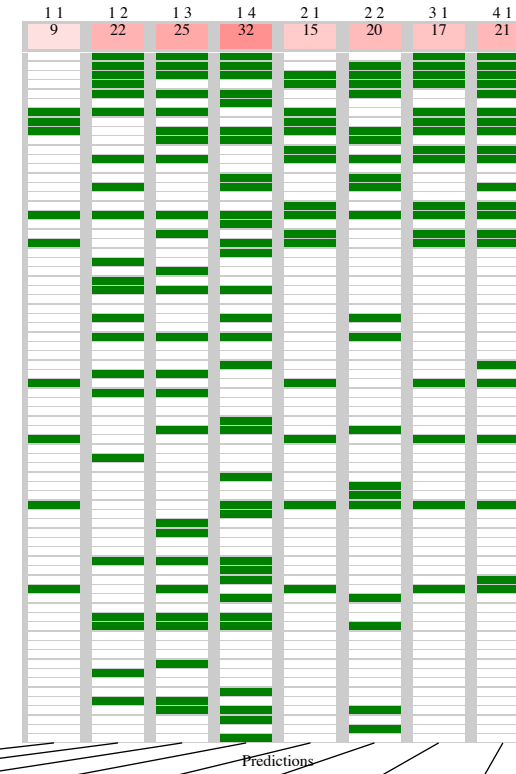
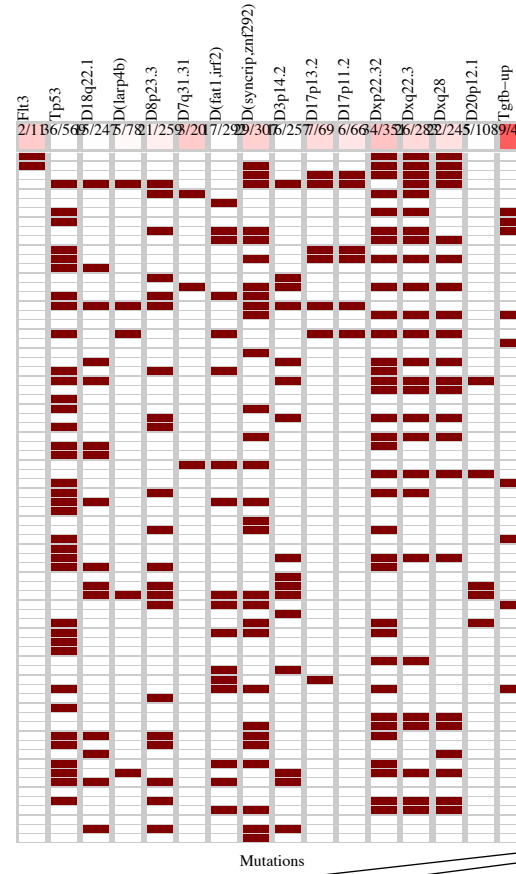
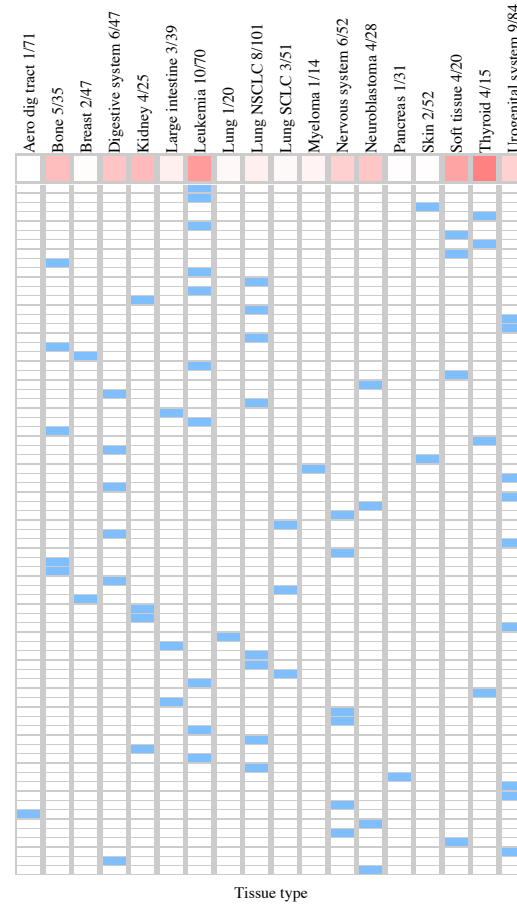
Model name	1.1	1.2	1.3	1.4	2.1	2.2	3.1	4.1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	JAK-ST	<del>d(SRG)&amp; dXq28</del>	<del>d(SRG)&amp; dXq22.&amp;</del> <del>d21q11</del>	<del>d(SRG)&amp; dXq22.&amp;</del> <del>d20p12&amp;d21q11</del>	MLL2   JAK-ST	[ <del>d3p14.&amp;MAPK o</del> ]   [ <del>d3p14.&amp; dXq28</del> ]	MLL2   d(CIT   JAK-ST	MLL2   d(CIT   JAK-ST   MAPK o
TP   FP	15   20	35   160	37   153	37   128	29   97	34   128	31   102	40   114
Specificity	0.98	0.8	0.81	0.84	0.88	0.88	0.88	0.86
FN   TN	69   799	49   659	47   666	47   691	55   722	50   691	53   717	44   705
Precision	0.43	0.18	0.19	0.22	0.23	0.2	0.23	0.26
Recall	0.18	0.42	0.44	0.44	0.35	0.31	0.37	0.48

PANCAN  
 id: 153 name: Midostaurin  
 target: KIT class: RTK signaling

864 cell lines  
 74 sensitive



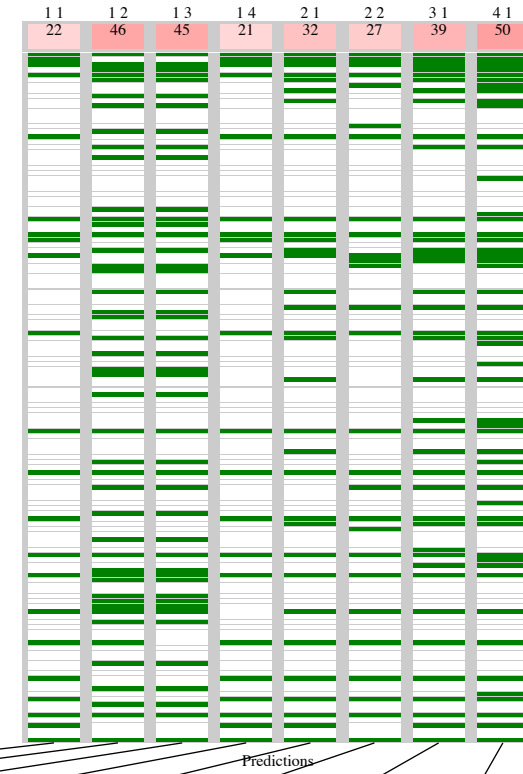
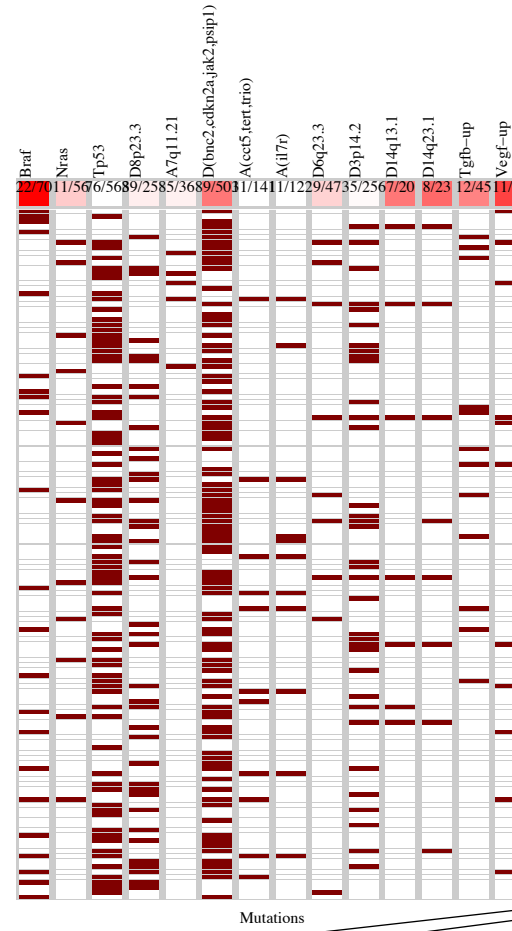
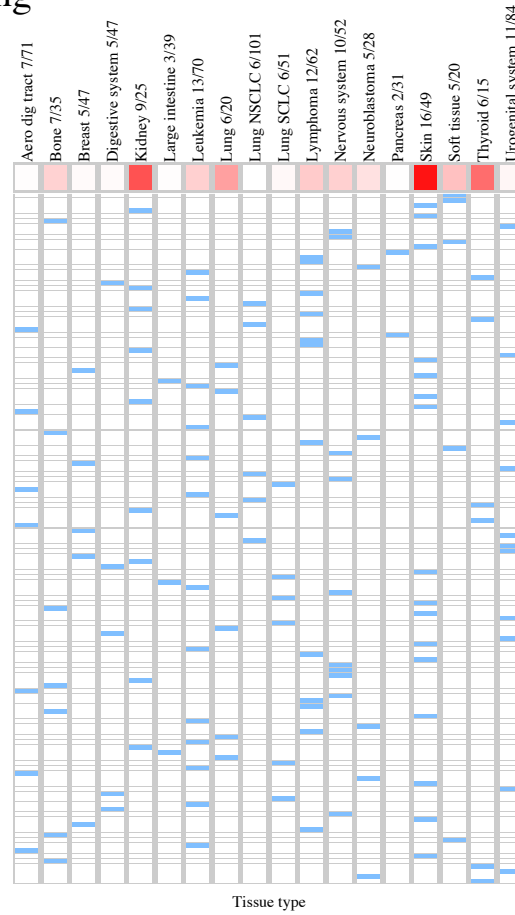
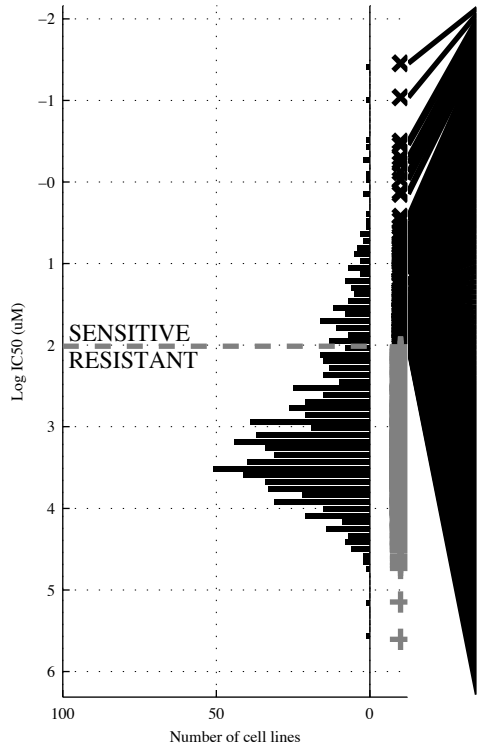
- MV-4-11
- MO1M-13
- Hs57-1
- MI-1
- NKM-1
- SW982
- CGH-W-1
- Hs63T
- G-292 Clone A141B1
- Tol-1 cell
- NCL-H1755
- KASUMI-1
- KMRC-20
- A427
- MCF-7
- TCCSUP
- LC-2-98
- CHS.A8926
- CAI-51
- MONO-MAC-6
- A204
- NBR69
- SNU-398
- NCL-H2342
- KM12
- NALM-6
- CHS.A108
- TT2609-C02
- HUTU-80
- A431
- MOLT-8
- TOV-112D
- SNU-387
- KG59
- CHP-212
- D-336MG
- SW1271
- SNU-449
- SW1710
- KS-1
- NY
- HsO-2N1
- JHH-4
- LU-135
- EMF-19
- 709-P
- LB1047-RCC
- EFO-21
- H2818
- SW48
- NCL-H2030
- HCC-44
- DMS-273
- ALL-PO
- BH4
- COLO-205
- H4
- 42-MG-BA
- GDM-1
- 201T
- G-401
- 697
- HOP-62
- PANC-03-27
- NTERA-2-clD1
- SKN
- H4603
- KYSE-270
- SK-N-SH
- E-MC-BA
- HT-1080
- OVTKO
- AGS
- GI-ME-N



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	1	1	1	2	1	3	1	4	2	1	2	3	1	4	1	
M																
Logic formula	<b>TGFB-U</b>		<b>~d(FAT&amp;dXq22.</b>		<b>~d18q22&amp;~d3p14.&amp;</b>		<b>~TP53 &amp;~d18q22&amp;</b>		<b>d17p11 ITGFB-U</b>		<b>[ ~TP53 &amp; d8p23. ]</b>		<b>FLT3   d17p11  </b>		<b>FLT3   d7q31.  </b>	
					<b>dXp22.</b>		<b>~d(LAR&amp;~d20p12</b>				<b>[ d(SYNC&amp; dXq28 ]</b>		<b>TGFB-U</b>		<b>d17p13 ITGFB-U</b>	
TP   FP	9   37	0.95	22   151	0.81	25   136	0.83	32   154	0.81	15   96	0.88	20   133	0.85	17   105	0.87	21   119	0.85
FN   TN	65   753	0.2	52   639	0.13	49   654	0.16	42   636	0.17	59   694	0.14	54   657	0.14	57   685	0.14	53   671	0.15
Specificity																
Precision																
Recall		0.12		0.3		0.34		0.43		0.2		0.24		0.23		0.28

PANCAN  
 id: 154 name: CHIR-99021  
 target: GSK3B class: WNT signaling

861 cell lines  
 134 sensitive

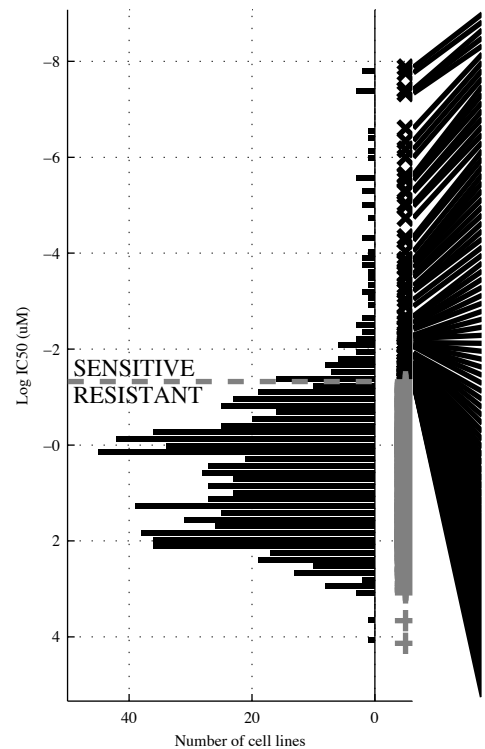


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>BRAF</b>	<b>-TP53 &amp; d(BNC2</b>	<b>-TP53 &amp; d(BNC2&amp;</b> <b>-a(CCT5</b>	<b>BRAF &amp; -a7q11.&amp;</b> <b>-d6q23.&amp;-d3p14.</b>	<b>BRAF   TGFB-U</b>	<b>[ BRAF &amp; -d8p23.]</b> <b> </b> <b>[ -a(IL7R&amp;EGF-U)</b>	<b>BRAF   d14q13  </b> <b>TGFB-U</b>	<b>BRAF   NRAS  </b> <b>d14q23   TGFB-U</b>
TP   FP Specificity	22   48 0.93	46   144 0.8	45   129 0.82	21   24 0.94	32   77 0.89	27   45 0.88	39   86 0.88	50   131 0.82
FN   TN Precision	112   679 0.31	88   583 0.24	89   598 0.26	113   703 0.43	102   650 0.29	107   682 0.27	95   641 0.31	84   596 0.28
Recall	0.16	0.34	0.34	0.19	0.24	0.22	0.29	0.37

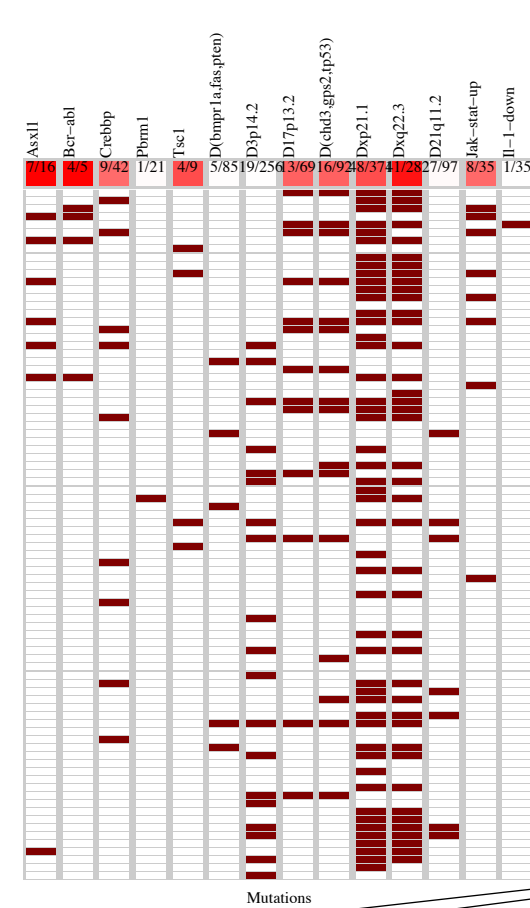
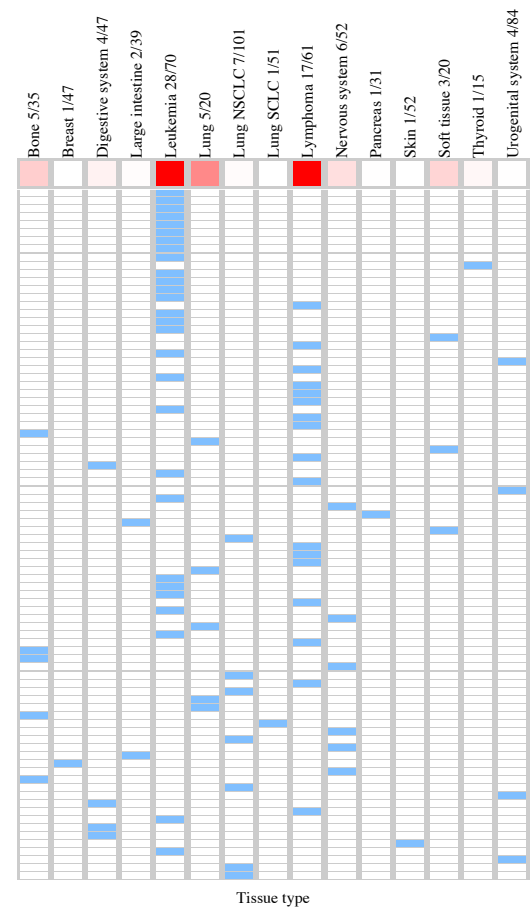


PANCAN  
 id: 155 name: AP-24534  
 target: ABL class: ABL signaling

863 cell lines  
 86 sensitive



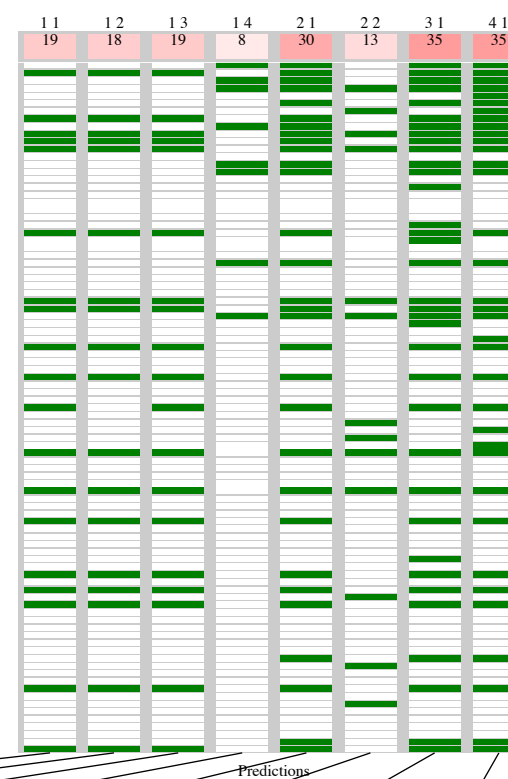
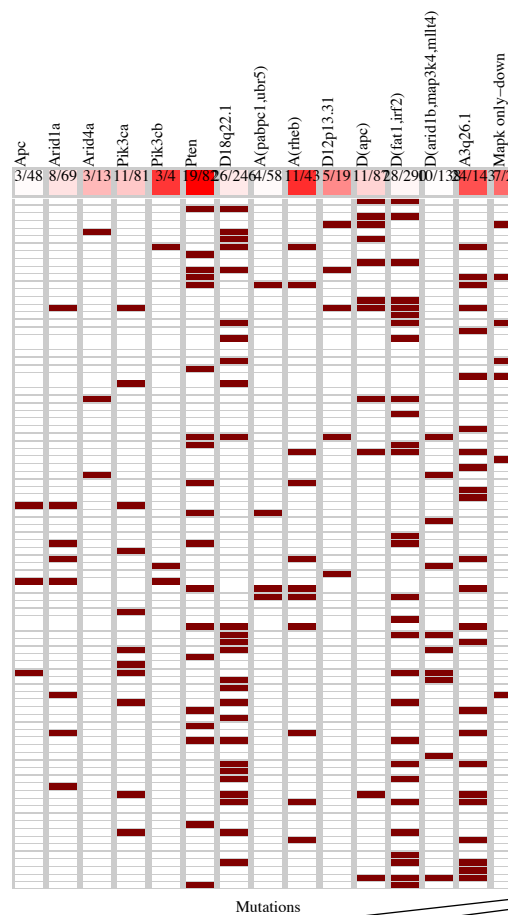
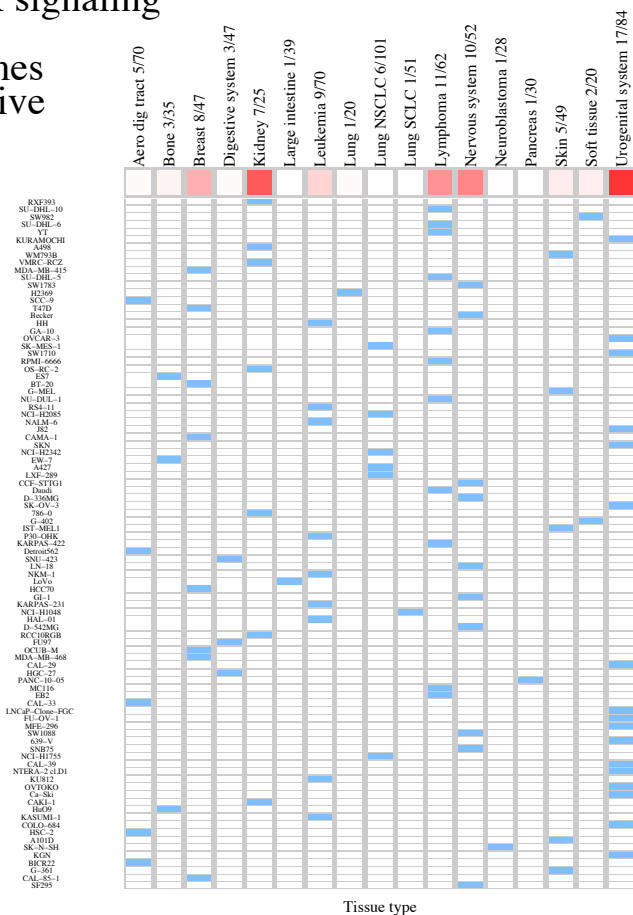
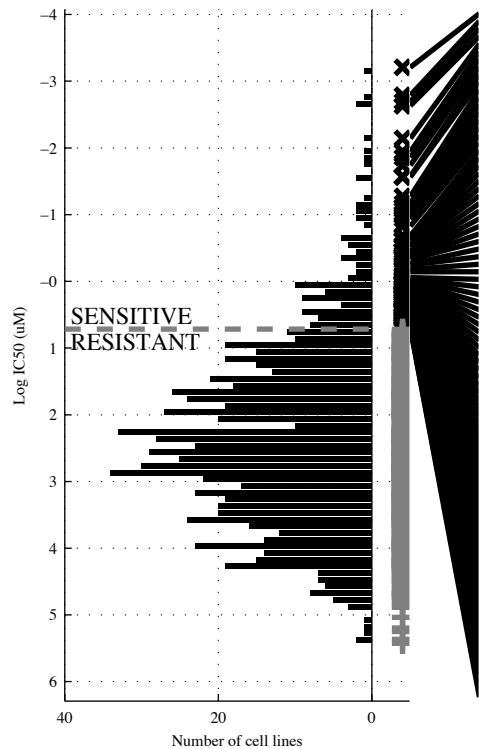
JUR1-MK1  
 Ect-001  
 MEG-01  
 LAMA-04  
 ALL-SIL  
 K562  
 EM-2  
 SHP-B15  
 COT1-01  
 CTV-1  
 K562M1-1  
 MV-4-11  
 MCFM-13  
 GA-10  
 NCI-1  
 MONO-MAC-6  
 KARPAS-291  
 A204  
 SU-DHL-6  
 GDM-1  
 ANS-1A  
 SU-DHL-16  
 Daudi  
 NCI-DHL-1  
 P32-ISH  
 K562  
 DOHH-2  
 ERS  
 Hu09  
 H209  
 G-402  
 SU-DHL-5  
 Hq130-7  
 M.M3  
 SU-DHL-4  
 MCF-206  
 SHP-T1  
 CCR-5  
 MZL-PC  
 GM12  
 STS-0421  
 LC-2  
 C46  
 CFB1  
 Farage  
 H2795  
 MCF-105  
 ALL-PO  
 P30-048  
 VAL  
 P3-382  
 SH-7  
 H2478  
 697  
 Y7  
 NCI-1  
 NY  
 0863  
 NCI-H1703  
 CCL-119  
 NCI-H7542  
 MCF-107  
 IST-MES1  
 G-292 Cline A141B1  
 IST-S12  
 CCF-STTG1  
 NCI-4520  
 D-392MG  
 HCT-116  
 CAL-85-1  
 42-MG-8A  
 CHS-A0108  
 NCI-H2097  
 RT-112  
 HBL-7  
 WIL2-N8  
 NALM-6  
 RERF-GC-1B  
 SNU-398  
 G-MEL  
 OCL-AML5  
 MES-SA  
 NCI-H2009  
 A427



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>JAK-ST</b>	<b>-d3p14.&amp; dXq22.</b>	<b>-d3p14.&amp; dXq22.&amp; -d21q11</b>	<b>-d(BMP1)&amp;-d3p14.&amp; dXp21.&amp;-d21q11</b>	<b>d17p13  JAK-ST</b>	<b>[d(CHD3&amp;IL-1-D)   [ASXL1&amp;-PBRM1]</b>	<b>ASXL1   d17p13   JAK-ST</b>	<b>BCR-ABICREBBP   TSC1   d17p13</b>
TP   FP	8   27	31   150	30   124	34   145	19   79	8   8	23   85	28   94
Specificity	0.97	0.81	0.84	0.81	0.9	0.99	0.89	0.88
FN   TN	78   750	55   627	56   653	52   632	67   698	78   769	63   692	58   683
Precision	0.23	0.17	0.19	0.19	0.19	0.5	0.21	0.23
Recall	0.093	0.36	0.35	0.4	0.22	0.093	0.27	0.33

PANCAN  
 id: 156 name: AZD6482  
 target: PI3Kbeta class: PI3K signaling

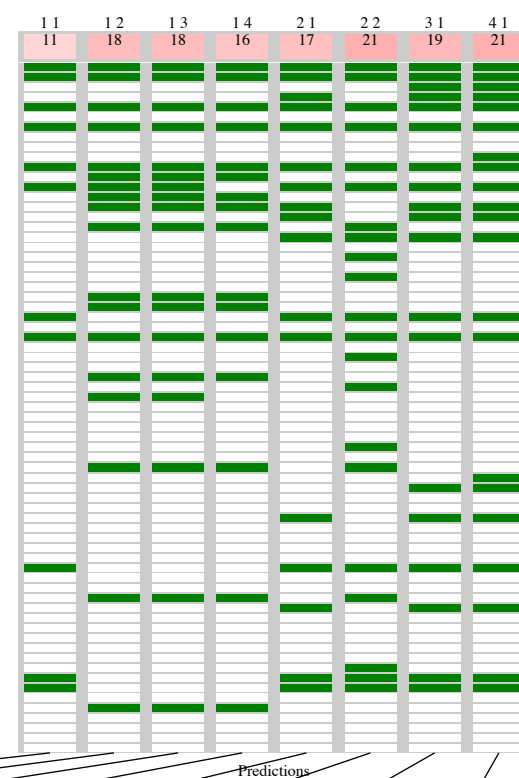
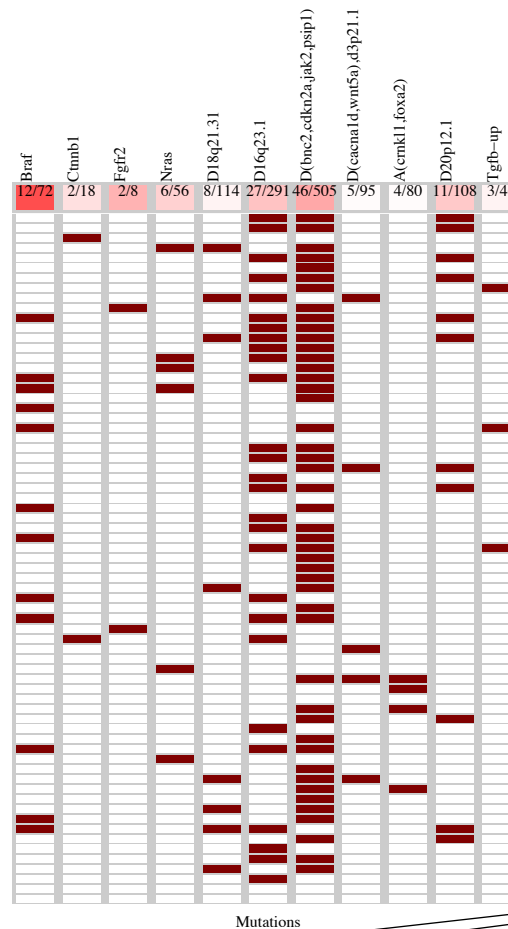
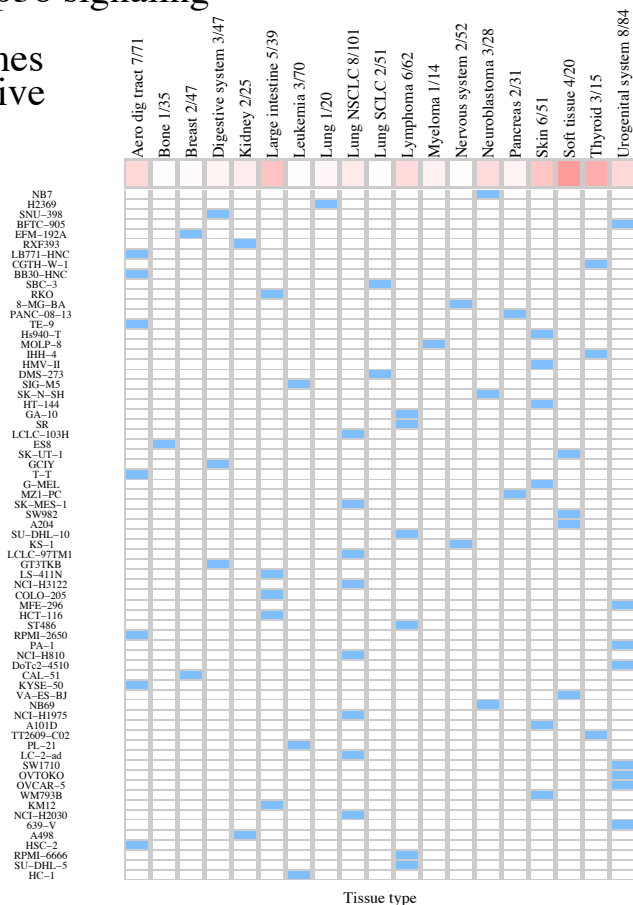
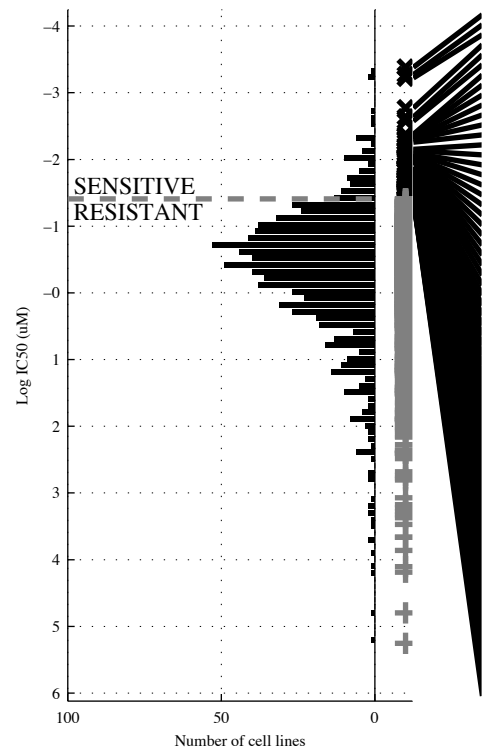
859 cell lines  
 91 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	1	3	4	1	2	1	1
Logic formula	<b>PTEN</b>	<b>-ARID1&amp; PTEN</b>	<b>-APC &amp; PIK3C&amp;</b> <b>PTEN</b>	<b>-d18q22&amp;-a(PAB&amp;</b> <b>d(APC)&amp;d(ARID</b>	<b>PTEN   d(APC)</b>	<b>[a(RHEB&amp; a3q26. ]</b> <b> </b> <b>[ d12p13&amp;-d(FAT]</b>	<b>PTEN   d(APC)  </b> <b>MAPK o</b>	<b>ARID4A  PIK3CB </b> <b>PTEN   d(APC)</b>
TP   FP	19   63	18   47	19   43	8   29	30   137	13   13	35   153	35   145
Specificity	0.23	0.28	0.31	0.18	0.18	0.45	0.19	0.19
FN   TN	72   705	73   721	72   725	83   739	61   631	78   755	56   615	56   623
Precision	0.21	0.2	0.21	0.23	0.33	0.15	0.38	0.38
Recall	0.92	0.94	0.94	0.87	0.82	0.97	0.8	0.81

PANCAN  
id: 157 name: JNK-9L  
target: JNK class: JNK and p38 signaling

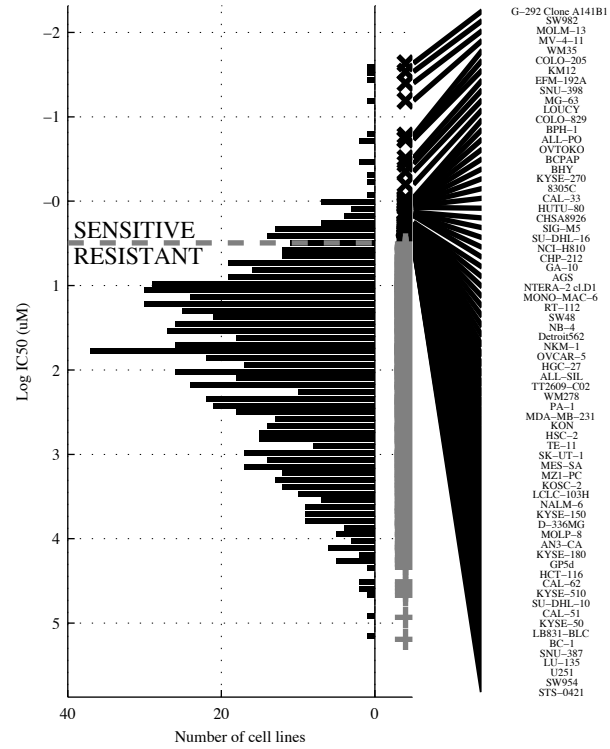
863 cell lines  
69 sensitive



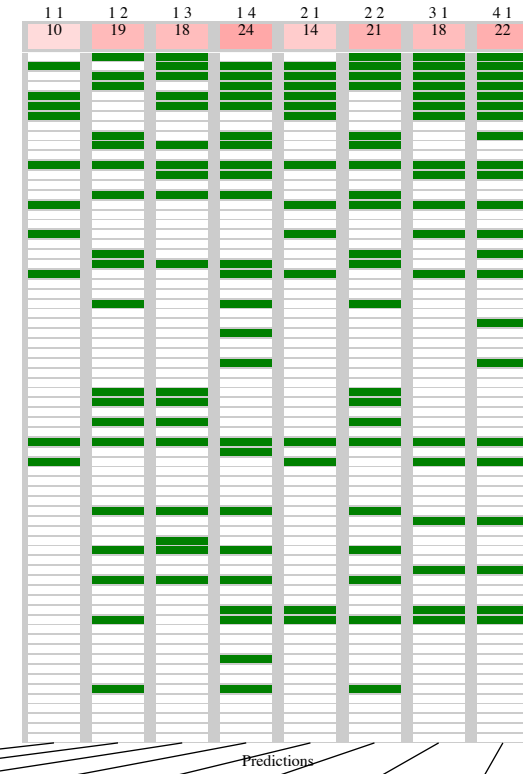
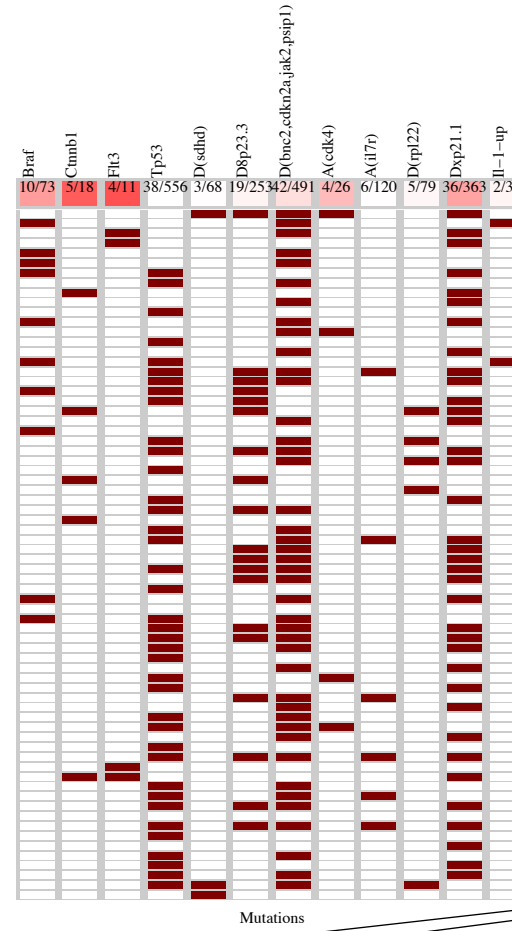
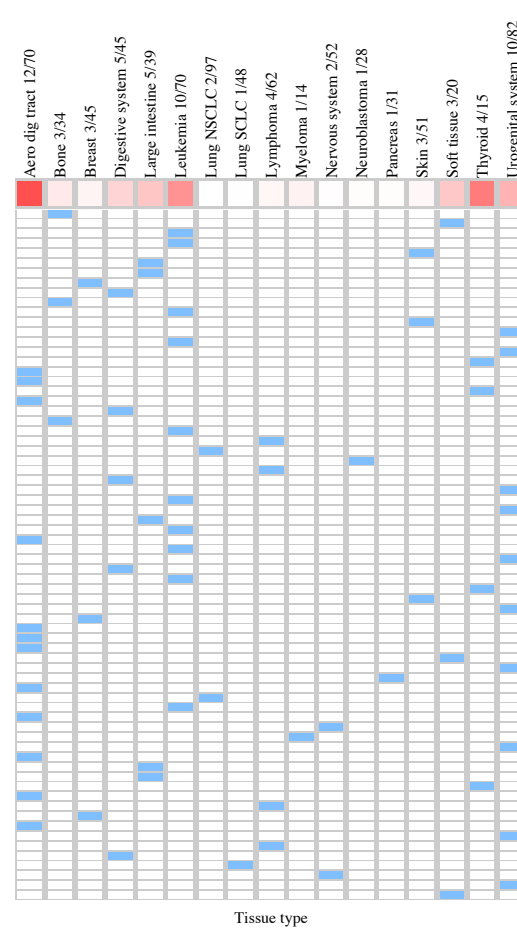
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d20p12</b>	<b>d16q23&amp;d(BNC2</b>	<b>d16q23&amp;d(BNC2&amp;</b> <b>~d(CACN</b>	<b>~d18q21&amp;d16q23&amp;</b> <b>d(BNC2&amp;TGFB-U</b>	<b>NRAS   d20p12</b>	<b>[ BRAF &amp;a(CRNK]</b> <b> </b> <b>[ d(BNC2&amp;d20p12 ]</b>	<b>CTNNB1  NRAS  </b> <b>d20p12</b>	<b>CTNNB1  FGFR2  </b> <b>NRAS   d20p12</b>
TP   FP	11   97	18   155	18   122	16   107	17   142	21   102	19   153	21   158
Specificity	0.88	0.8	0.85	0.87	0.82	0.87	0.81	0.8
FN   TN	58   697	51   639	51   672	53   687	52   652	48   692	50   641	48   636
Precision	0.1	0.1	0.13	0.14	0.11	0.16	0.11	0.12
Recall	0.16	0.26	0.26	0.25	0.25	0.3	0.28	0.3

PANCAN  
id: 158 name: PF-562271  
target: FAK class: cytoskeleton

847 cell lines  
70 sensitive



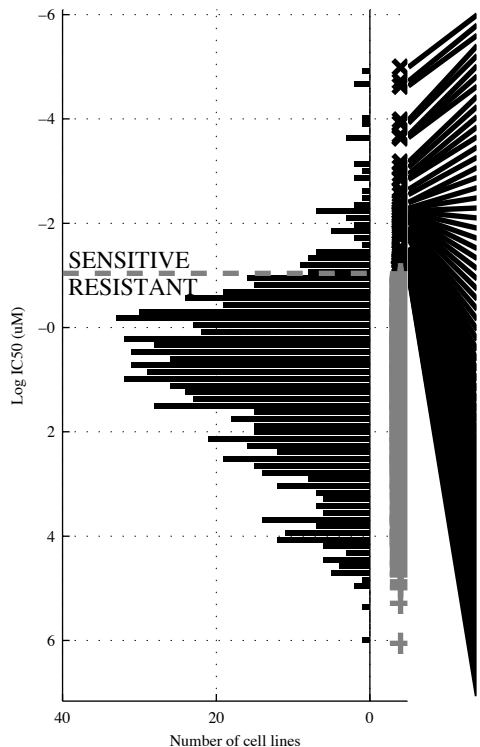
G-292 Clone A141B1  
SW982  
MOLM-13  
MV-4-11  
W835  
COLO-205  
KM12  
EPM-192A  
SNU-398  
MG-63  
LOUCY  
COLO-829  
RBL-1  
ALL-PO  
OVTOKO  
BCPAP  
BHY  
KYSE-270  
8305C  
CAL-33  
HITLU-80  
CHSAR926  
SIG-M5  
SU-DHL-16  
NCL-H810  
CHP-212  
GA-10  
AGS  
NTERA-2-clD1  
MONO-MAC-6  
RT-112  
SW48  
NB-4  
Detroit562  
NKM-1  
OVCAR-5  
HCC-27  
ALL-SIL  
TT2099-C02  
WM278  
FA-1  
MDA-MB-231  
KON  
HSC-2  
TE-11  
SK-UT-1  
MES-SA  
MZ1-PC  
KOSC-5  
LTC-103H  
NALM-6  
KYSE-150  
D-336MG  
MOLP-8  
AN3-CA  
KYSE-180  
GPN9  
HCT-116  
CAL-62  
KYSE-510  
SU-DHL-10  
CAL-51  
KYSE-50  
LB831-BLC  
BC-1  
SNU-387  
LU-135  
U251  
SW954  
STS-0421



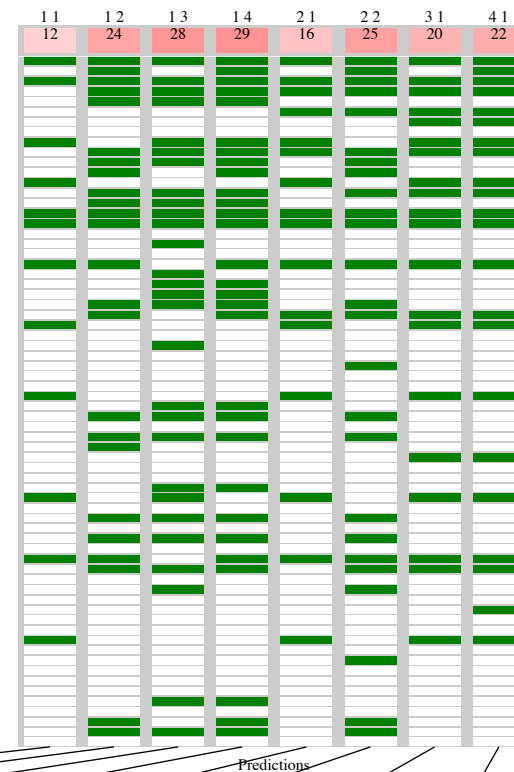
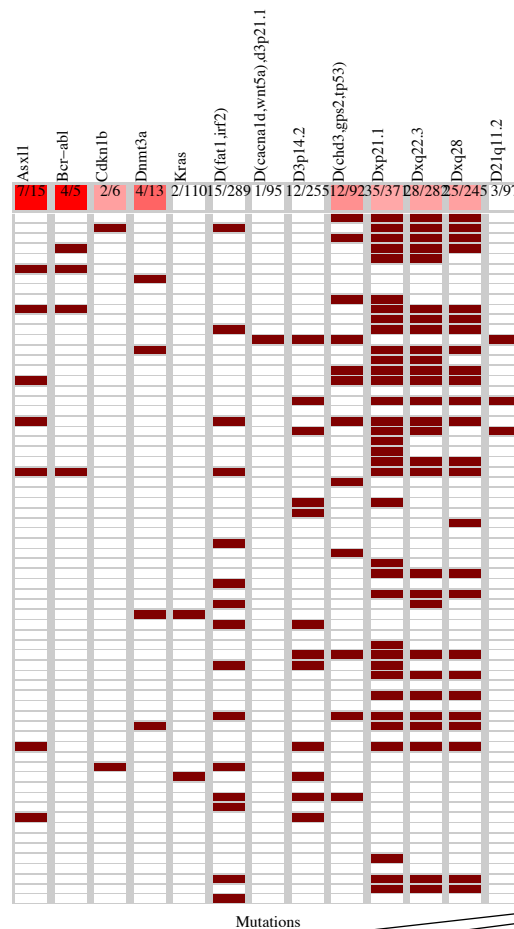
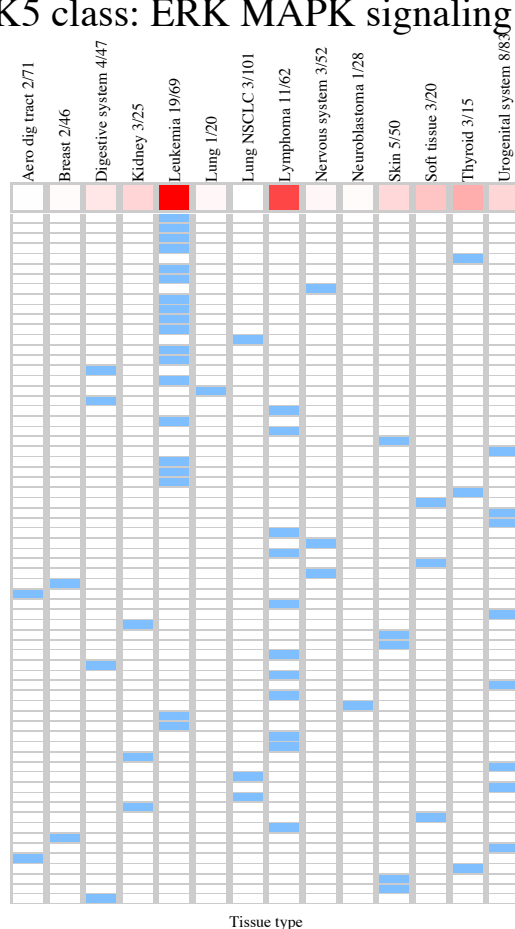
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>BRAF</b>	<b>-TP53 &amp; dXp21.</b>	<b>-TP53 &amp; d(BNC2&amp;</b> <b>-d(RPL2</b>	<b>-TP53 &amp; d(SDHI&amp;</b> <b>-d8p23.&amp;ra(IL7R</b>	<b>BRAF   FLT3</b>	[ <b>-TP53 &amp; dXp21.</b> ]   [ <b>BRAF &amp; IL-1-U</b> ]	<b>BRAF   FLT3  </b> <b>a(CDK4</b>	<b>BRAF   CTNNB1</b> <b>FLT3   a(CDK4</b>
TP   FP Specificity	10   63 0.92	19   119 0.85	18   139 0.82	24   153 0.8	14   69 0.91	21   119 0.85	18   88 0.89	22   99 0.87
FN   TN Precision	60   714 0.14	51   658 0.14	52   638 0.11	46   624 0.14	56   708 0.17	49   658 0.14	52   689 0.17	48   678 0.18
Recall	0.14	0.27	0.26	0.34	0.2	0.28	0.26	0.31

PANCAN  
 id: 159 name: HG-6-64-1  
 target: BRAFV600E, TAK, MAP4K5 class: ERK MAPK signaling

859 cell lines  
 68 sensitive



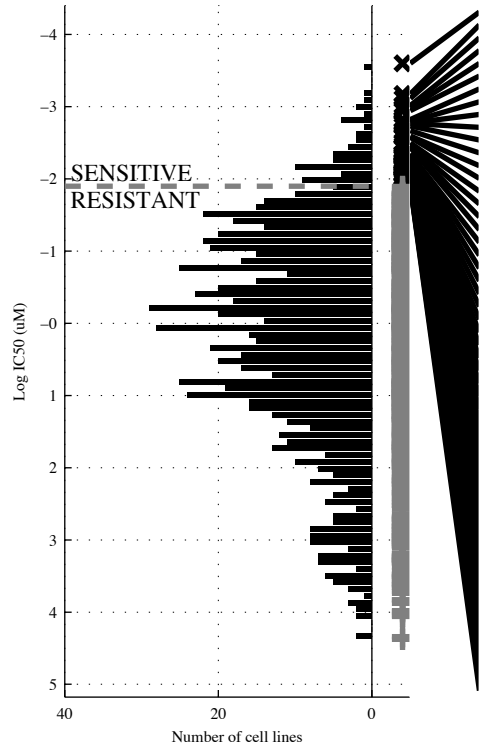
- JURL-MK1
- EoL-1-cell
- AL1-SIL
- MEG-01
- CGTH-W-1
- LAMA-84
- BE-13
- GB-1
- KCL-22
- EM-2
- MY-4-11
- SUP-B15
- LC-2-ad
- CV1-1
- NKM-1
- Hep-3B-7
- KASUMI-1
- H2369
- SNU-398
- GA-10
- MONO-MAC-6
- SU-DHL-10
- WM278
- MFE-296
- MOLM-13
- KU812
- KARPAS-231
- TT2609-C02
- G-402
- AN3-CA
- NTERA-2 cl.D1
- Daudi
- Becker
- SU-DHL-16
- A204
- S-MG-BA
- CAL-85-1
- RPML-2650
- NU-DL1-1
- SNG-M
- RXFE93
- CHL-1
- COLO-829
- P32-83H
- HGC-27
- DOHH-2
- R8
- OCI-LY-19
- SK-N-SH
- KG-1
- SUP-T1
- EB2
- SU-DHL-6
- 786-0
- TCSTIP
- A427
- SW1710
- NCL-H322
- CAKI-1
- SK-LT-1
- CA46
- CAL-51
- OVCA8-4
- KYSE-50
- BCPAP
- HT-144
- WM793B
- SK-HEP-1



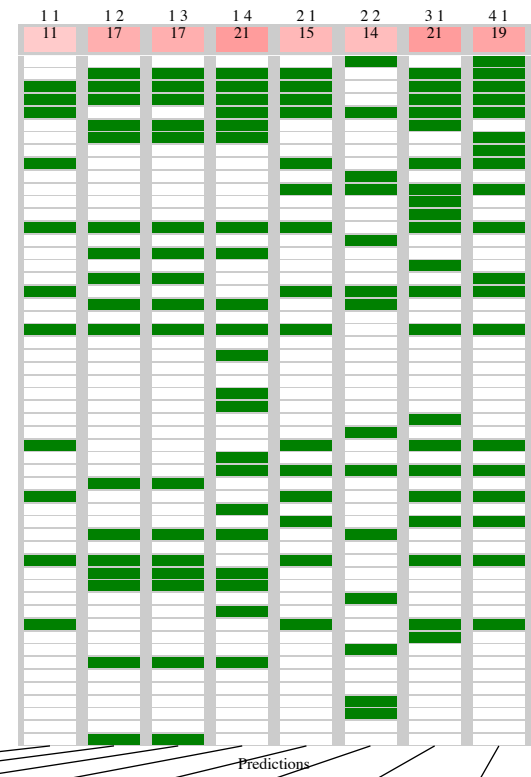
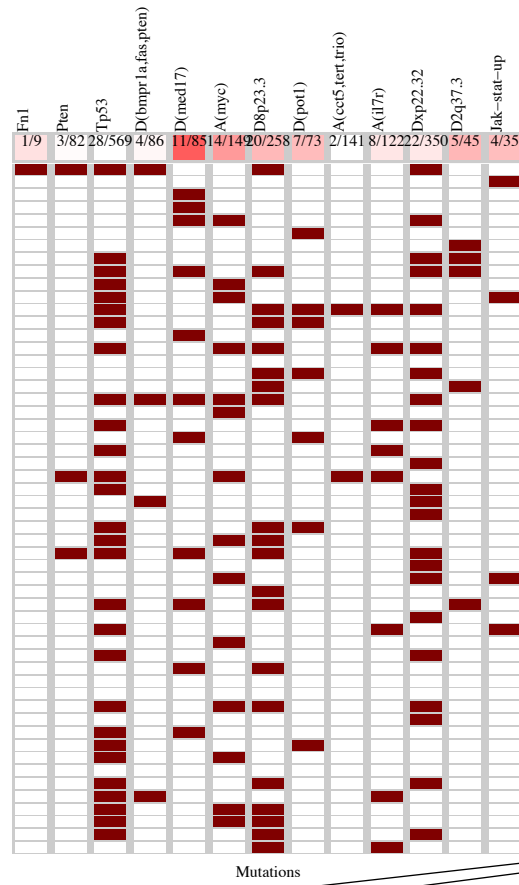
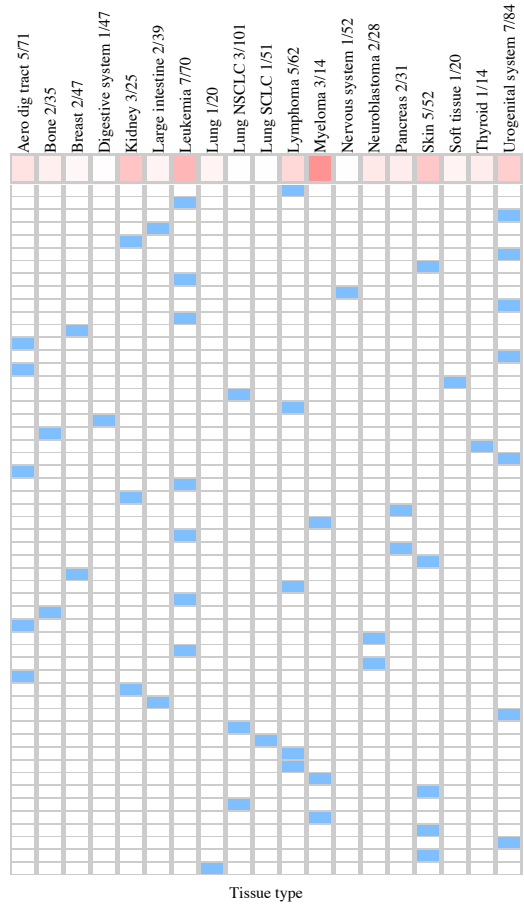
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d(CHD3)</b>	<b>-d3p14.&amp; dXq22.</b>	<b>-d(FAT1&amp;d(CACNA1C&amp;D3P14.2)&amp;d(XP21.1)</b>	<b>-KRAS&amp;-d3p14.&amp; dXp21.&amp;-d21q11</b>	<b>BCR-ABI d(CHD3)</b>	<b>[ ASXL1&amp;-d(FAT1)   [-d3p14.&amp; dXq28 ]</b>	<b>BCR-ABDNMT3A d(CHD3)</b>	<b>BCR-ABICDN1B d(CHD3)</b>
TP   FP	12   80	24   156	28   158	29   153	16   81	25   133	20   89	22   93
Specificity	0.9	0.8	0.83	0.81	0.9	0.83	0.89	0.88
FN   TN	56   711	44   635	40   633	39   638	52   710	43   658	48   702	46   698
Precision	0.13	0.13	0.15	0.16	0.16	0.16	0.18	0.19
Recall	0.18	0.35	0.36	0.43	0.24	0.36	0.29	0.32

PANCAN  
 id: 163 name: JQ1  
 target: BRD4 class: chromatin other

863 cell lines  
 54 sensitive



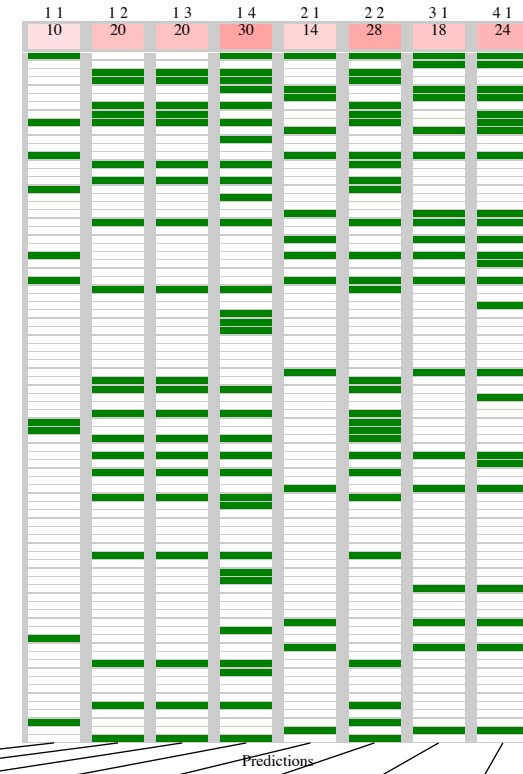
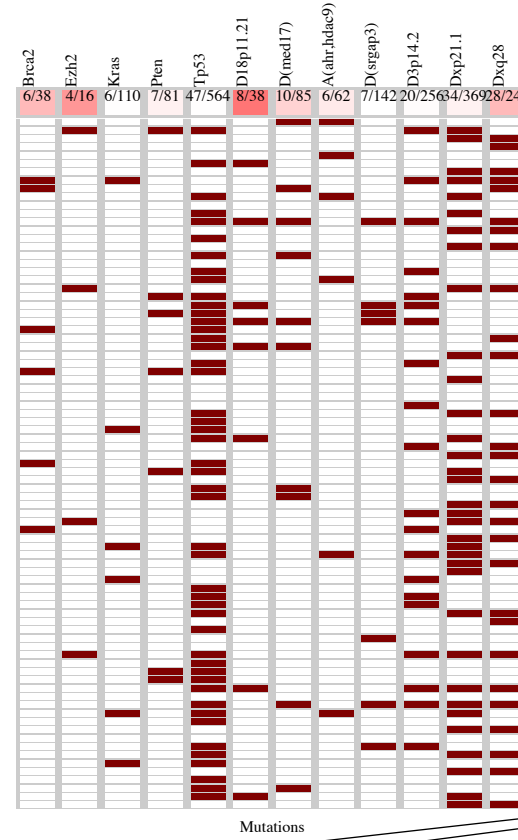
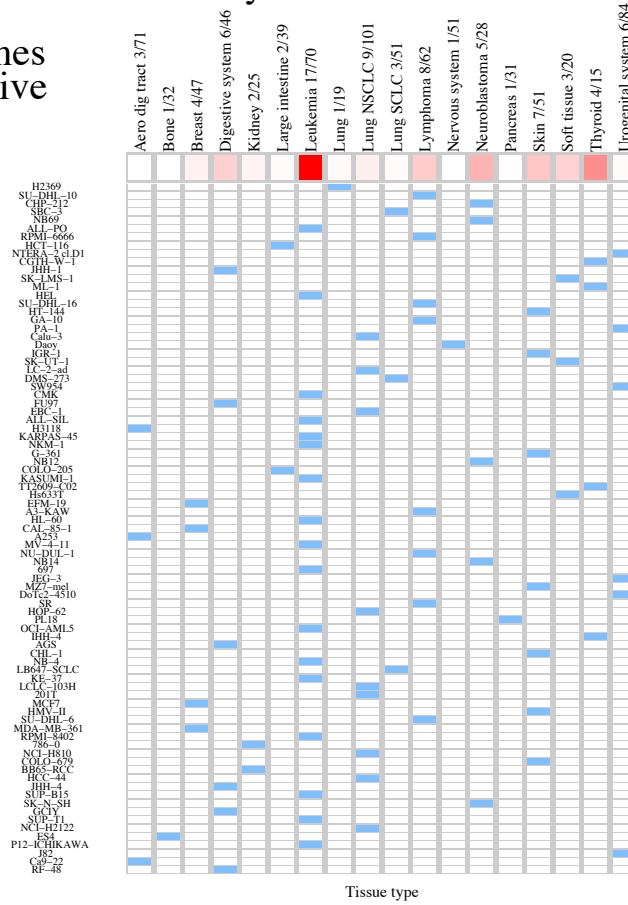
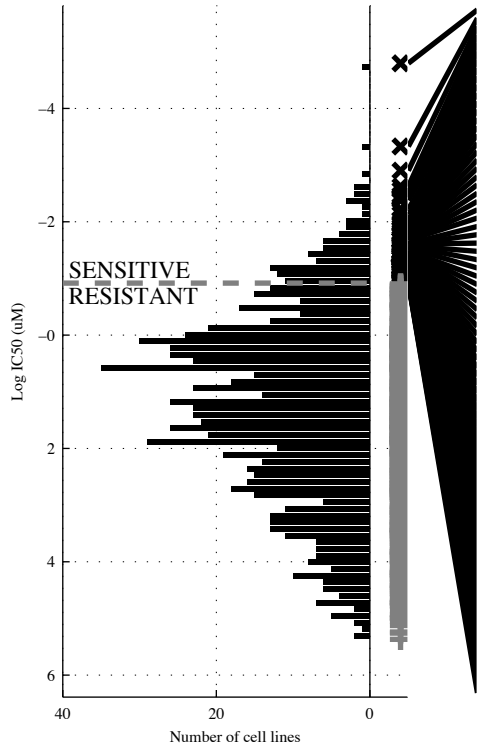
- SU-DHL-10
- SIG-M5
- OVTKO
- RC10R
- RC10RGB
- BPH-1
- COLO-679
- KASUMI-1
- 8-MO-BA
- SW1710
- NB-4
- CAL-85-1
- BB30-HNC
- NTERA-2 cl D1
- KYSE-30
- SW982
- COR-L105
- A3-KAW
- HGC-27
- MG-63
- CGTH-W-1
- KGN
- SCC-9
- MV-4-11
- 786-0
- BXP-3
- MOLP-8
- NALM-6
- SUIT-2
- 451Lu
- CAMA-1
- BC-1
- HL-60
- S805-7
- KYSE-570
- CHP-212
- CMK
- NB69
- C9-22
- CAKI-1
- COLO-205
- DeTe2-4510
- LCLC-97TM1
- SBC-3
- GA-10
- SU-DHL-16
- KMS-12-BM
- WM35
- HOP-62
- OPM-2
- CHL-1
- FU-OV-1
- A388
- H2818



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d(MED1)</b>	<b>-TP53 &amp; -dXp22.</b>	<b>-TP53 &amp; a(CCT5)</b> <b>-dXp22.</b>	<b>-PTEN &amp; -TP53 &amp; -d8p23.3 &amp; a(IL7R)</b>	<b>d(MED1)   JAK-ST</b>	<b>[ FN1 &amp; d(BMPR)   a(MYC) &amp; a(CCT5) ]</b>	<b>d(MED1)   d(POT1)   JAK-ST</b>	<b>FN1   d(MED1)   d2q37.   JAK-ST</b>
TP   FP	11   74	17   152	17   129	21   161	15   105	14   88	21   161	19   141
Specificity	0.91	0.81	0.84	0.8	0.87	0.87	0.8	0.83
FN   TN	43   735	37   657	37   680	33   648	39   704	40   721	33   648	35   668
Precision	0.13	0.1	0.12	0.12	0.13	0.12	0.12	0.12
Recall	0.2	0.31	0.31	0.39	0.28	0.26	0.39	0.35

PANCAN  
 id: 164 name: JQ12  
 target: HDAC class: chromain histone acetylation

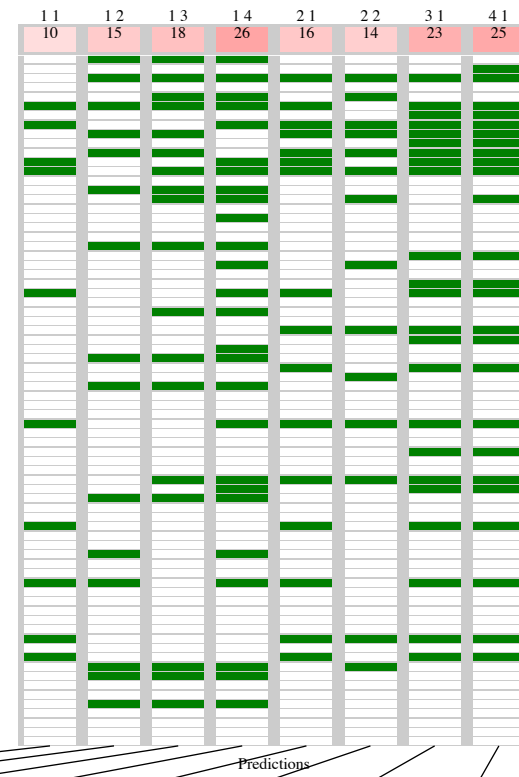
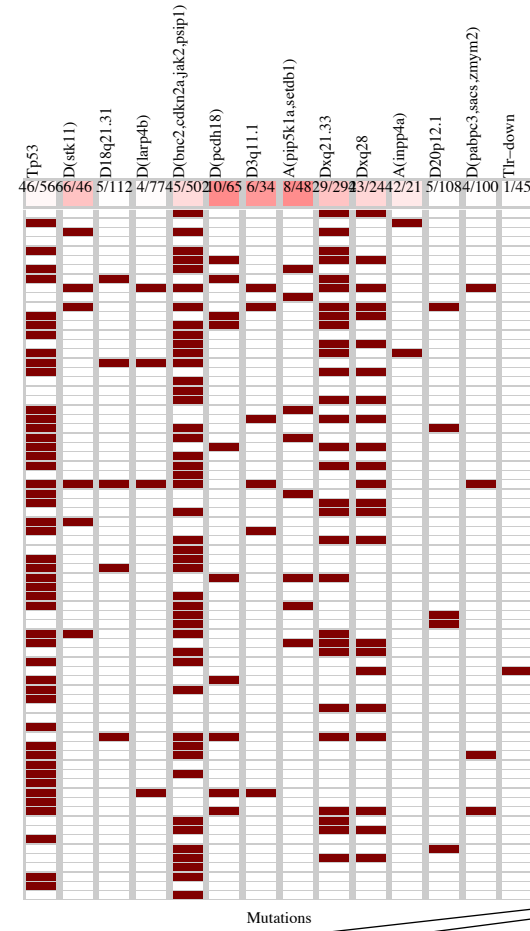
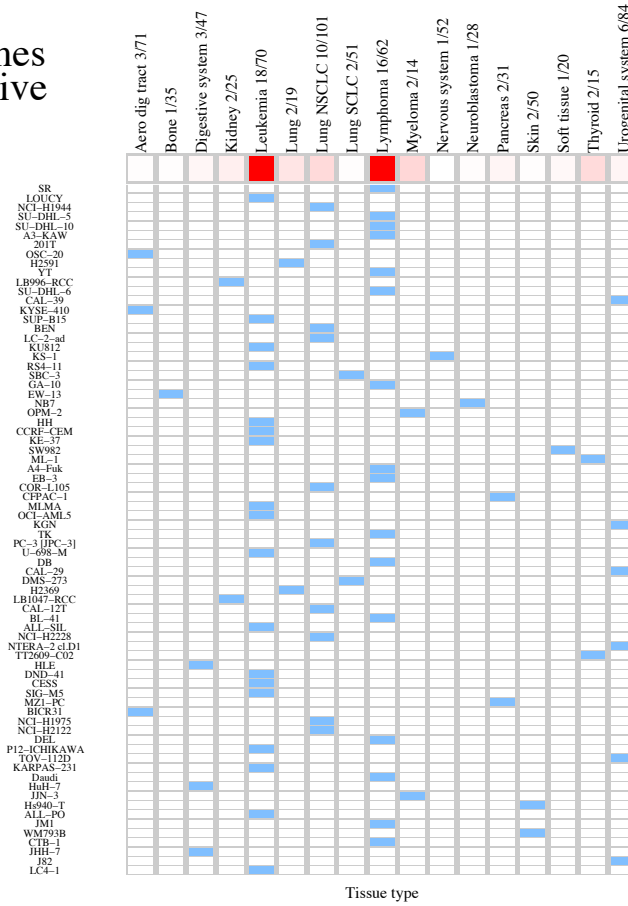
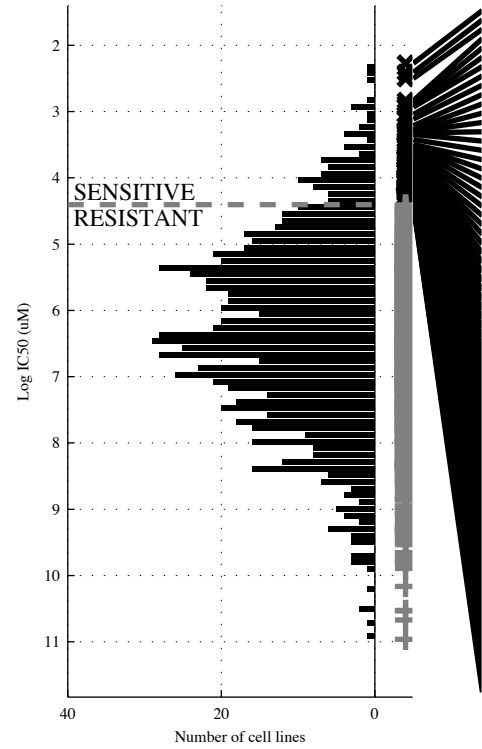
857 cell lines  
 83 sensitive



Model name	11	12	13	14	21	22	31	41
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d(MED1)</b>	<b>-TP53 &amp; dXq28</b>	<b>-TP53 &amp; d(SRGA&amp; dXq28)</b>	<b>-KRAS&amp;-PTEN&amp;-TP53 &amp;-d3p14.</b>	<b>d18p11   a(AHR,</b>	<b>[ -TP53 &amp; dXq28 ]   [d(MED1&amp;-dXp21.)]</b>	<b>EZH2   d18p11   a(AHR,</b>	<b>BRCA2   EZH2   d18p11   a(AHR,</b>
TP   FP Specificity	10   75 0.9	20   89 0.89	20   72 0.91	30   154 0.8	14   85 0.89	28   112 0.84	18   96 0.88	24   126 0.84
FN   TN Precision	73   699 0.12	63   685 0.18	63   702 0.22	53   620 0.15	69   689 0.14	55   662 0.18	65   678 0.16	59   648 0.16
Recall	0.12	0.24	0.24	0.33	0.17	0.33	0.22	0.29

PANCAN  
 id: 165 name: DMOG  
 target: Prolyl-4-Hydroxylase class: other

860 cell lines  
 74 sensitive

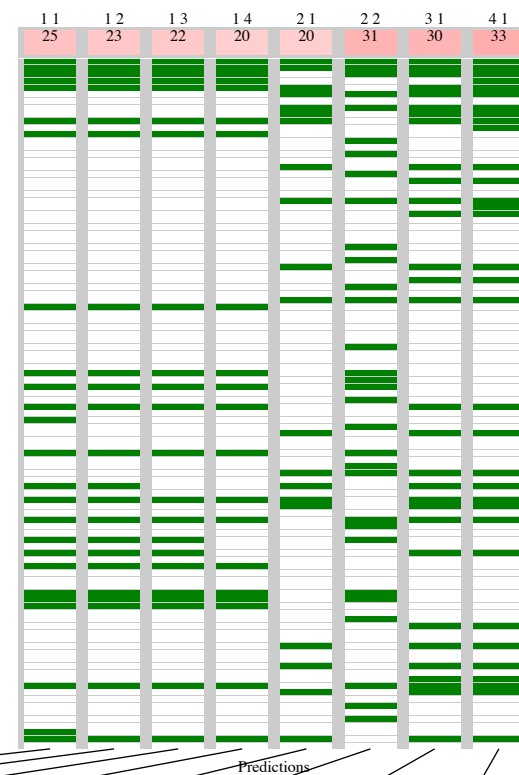
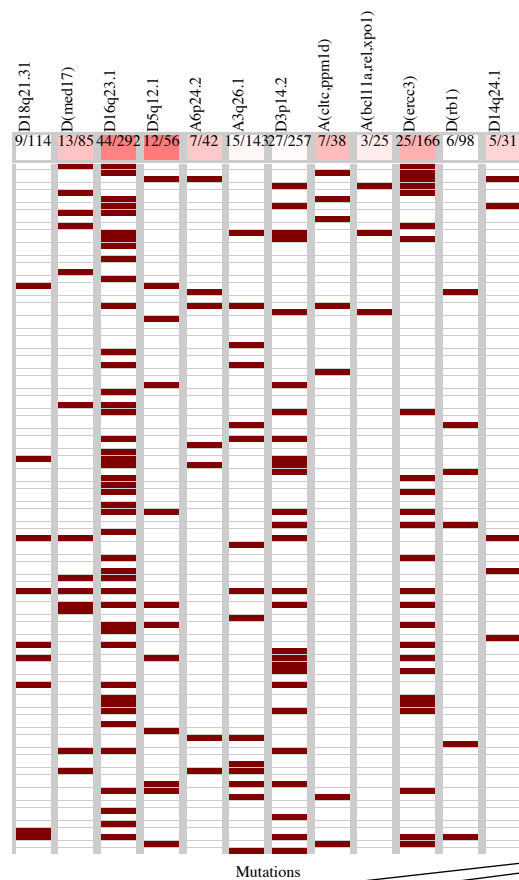
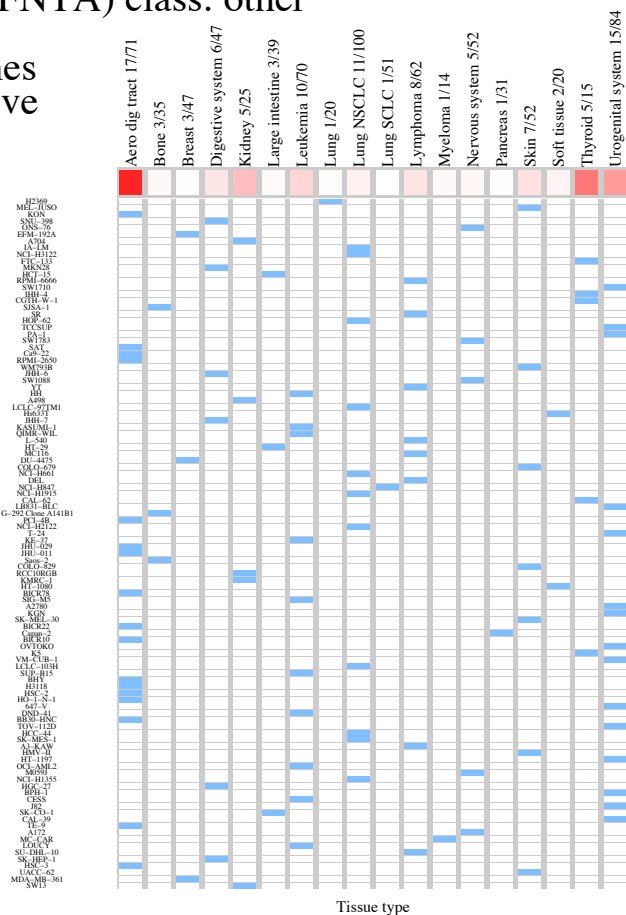
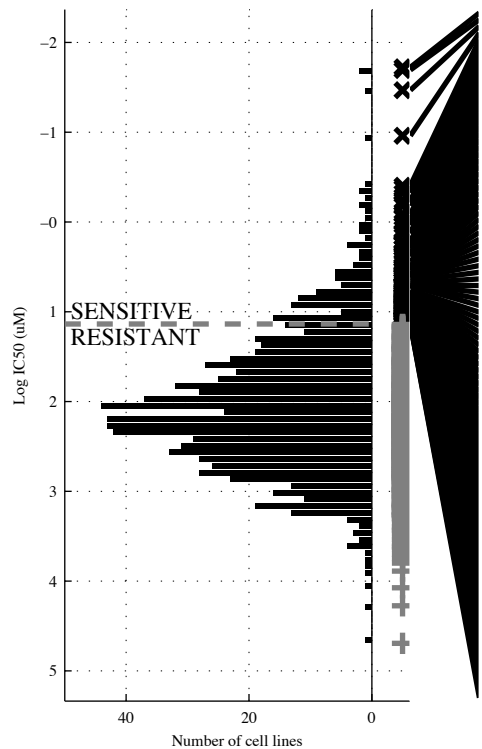


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d(PCDH)</b>	<b>~TP53 &amp; dXq21.</b>	<b>~d18q21&amp;d(BNC2&amp; dXq21.</b>	<b>~d(LAR&amp; dXq21.&amp; ~d20p12&amp;d(PABP)</b>	<b>d(STK1   d(PCDH)</b>	<b>[ dXq21.&amp;~dXq28 ]   [ d3q11.&amp;TLR-DQ</b>	<b>d(STK1   d(PCDH)   a(PIP5)</b>	<b>d(STK1   d(PCDH)   a(PIP5   a(INPP)</b>
TP   FP Specificity	10   55 0.93	15   104 0.87	18   131 0.83	26   155 0.8	16   88 0.89	14   80 0.89	23   125 0.84	25   140 0.83
FN   TN Precision	64   731 0.15	59   682 0.13	56   655 0.12	48   631 0.14	58   698 0.15	60   706 0.13	51   661 0.16	49   646 0.16
Recall	0.14	0.2	0.24	0.35	0.22	0.17	0.31	0.34



PANCAN  
 id: 166 name: FTI-277  
 target: Farnesyl transferase (FNTA) class: other

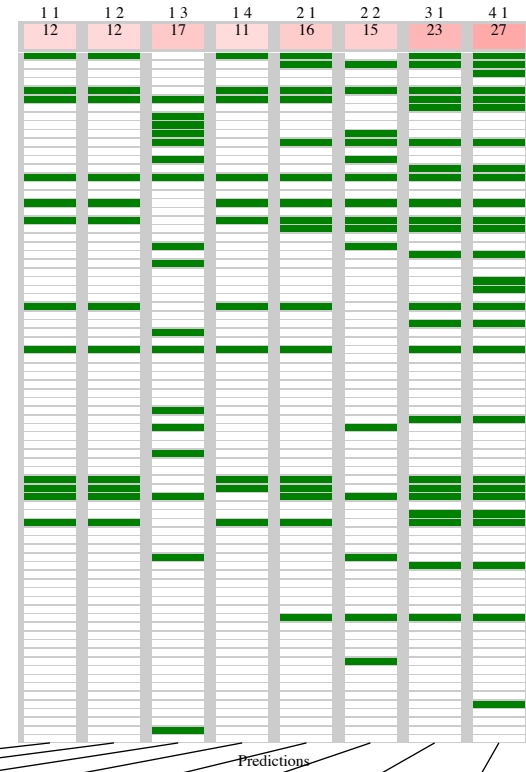
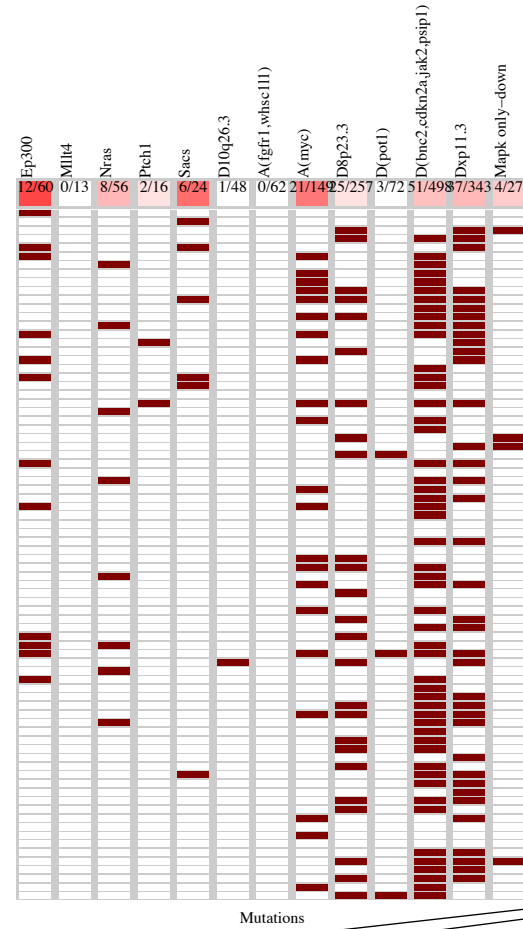
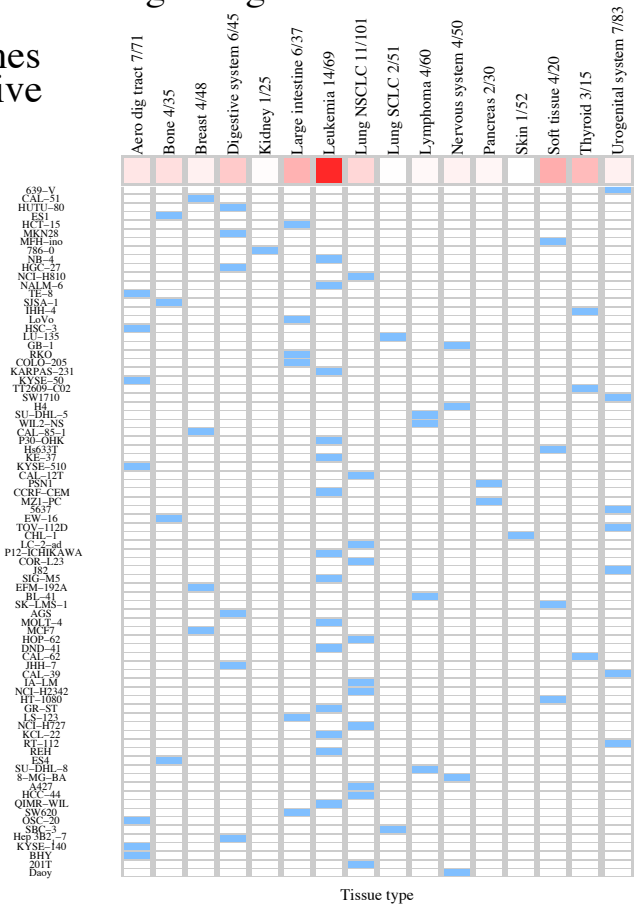
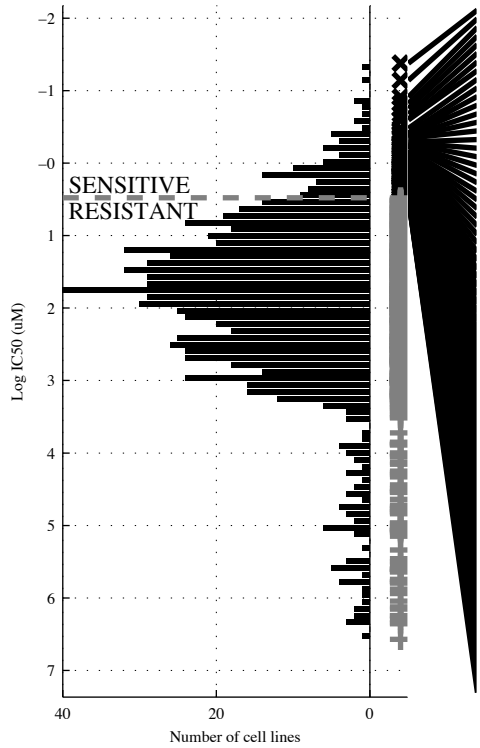
863 cell lines  
 104 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d(ERCC)</b>	<b>d(ERCC&amp;¬d(RB1))</b>	<b>¬a3q26.&amp;d(ERCC&amp;¬d(RB1))</b>	<b>¬d18q21&amp;¬a3q26.&amp;d(ERCC&amp;¬d(RB1))</b>	<b>d(MED1 a(CLTC</b>	<b>[ d16q23&amp;¬d3p14. ]   [ a6p24. &amp;d14q24 ]</b>	<b>d(MED1  d5q12.   a(CLTC</b>	<b>d(MED1  d5q12.   a(CLTC  a(BCL1</b>
TP   FP	25   141	23   111	22   91	20   73	20   99	31   139	30   131	33   144
Specificity	0.81	0.85	0.88	0.9	0.87	0.82	0.83	0.81
FN   TN	79   618	81   648	82   668	84   686	84   660	73   620	74   628	71   615
Precision	0.15	0.17	0.19	0.21	0.17	0.18	0.19	0.19
Recall	0.24	0.22	0.21	0.19	0.19	0.3	0.29	0.32

PANCAN  
 id: 167 name: OSU-03012  
 target: PDPK1 (PDK1) class: PI3K signaling

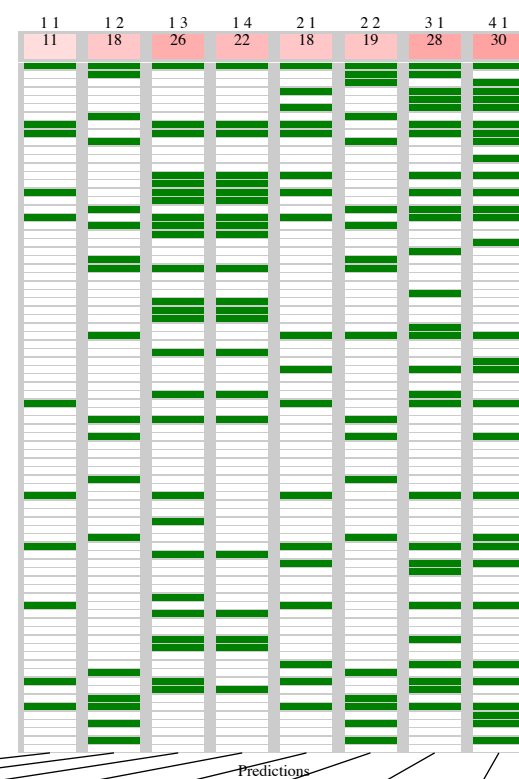
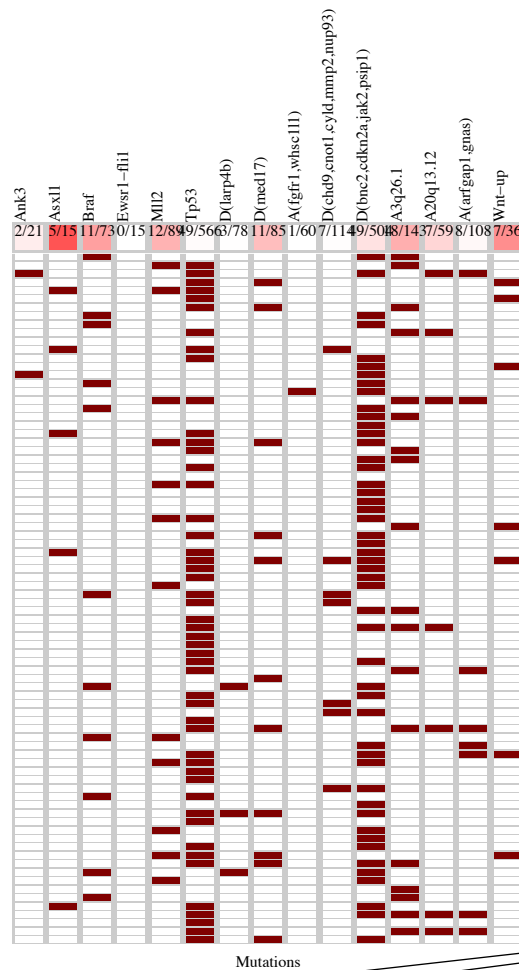
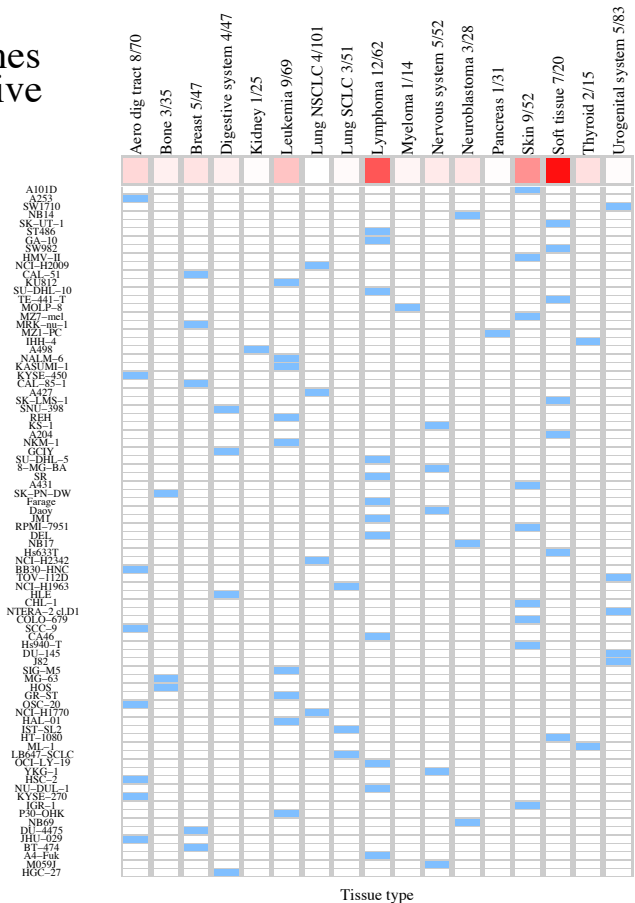
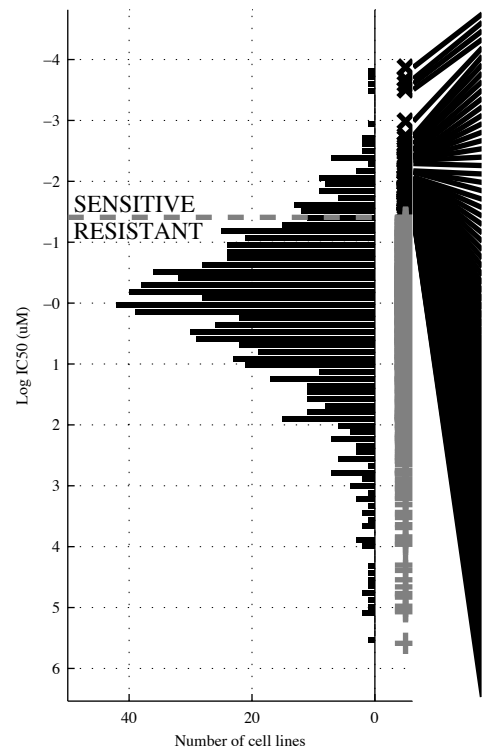
853 cell lines  
 80 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>EP300</b>	<b>EP300 &amp;-PTCH1</b>	<b>~a(FGFR)&amp;a(MYC)&amp;d(BNC2)</b>	<b>EP300 &amp;-MLLT&amp;~d10q26&amp;d(POT1)</b>	<b>EP300   SACS</b>	<b>[ a(MYC)&amp;dXp11. ]   [ SACS &amp;-d8p23. ]</b>	<b>EP300   NRAS   SACS</b>	<b>EP300   NRAS   SACS   MAPK o</b>
TP   FP	12   48	12   40	17   57	11   29	16   60	15   46	23   104	27   121
Specificity	0.94	0.95	0.92	0.84	0.92	0.94	0.87	0.84
FN   TN	68   725	68   733	63   716	69   744	64   713	65   727	57   669	53   652
Precision	0.2	0.23	0.23	0.17	0.21	0.26	0.18	0.18
Recall	0.15	0.15	0.21	0.27	0.2	0.18	0.29	0.34

PANCAN  
 id: 170 name: Shikonin  
 target: unknown class: other

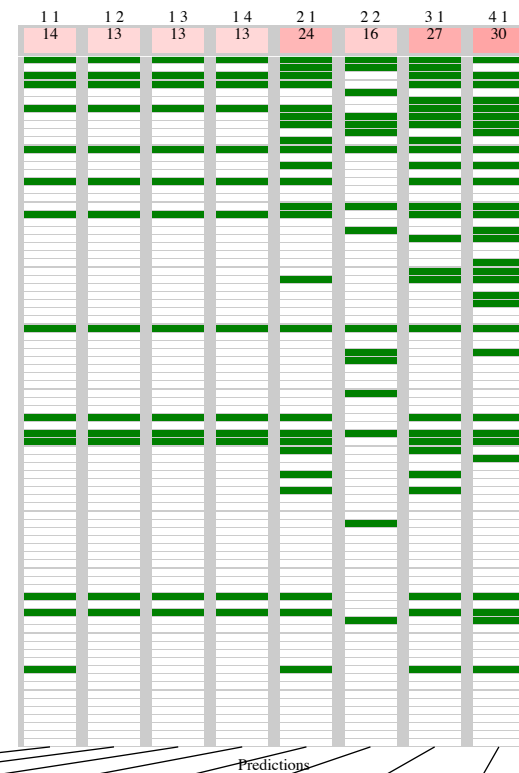
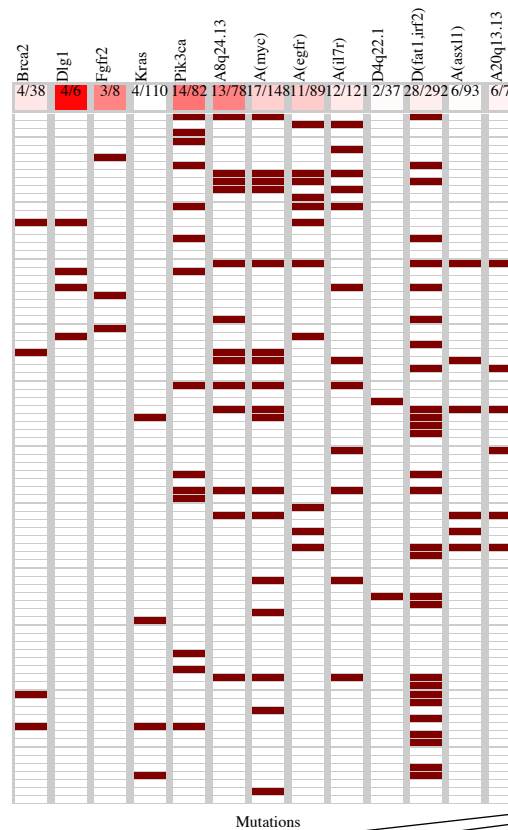
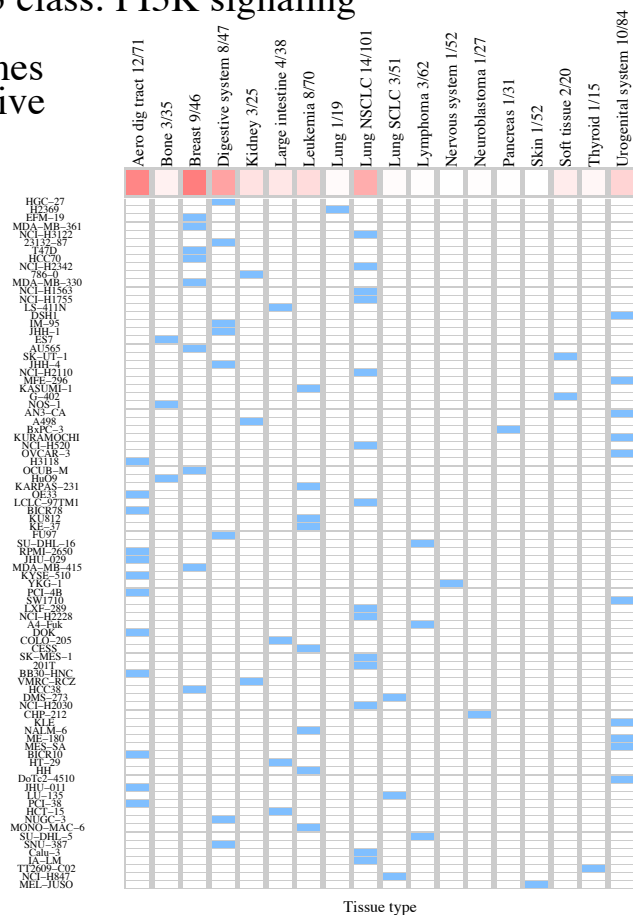
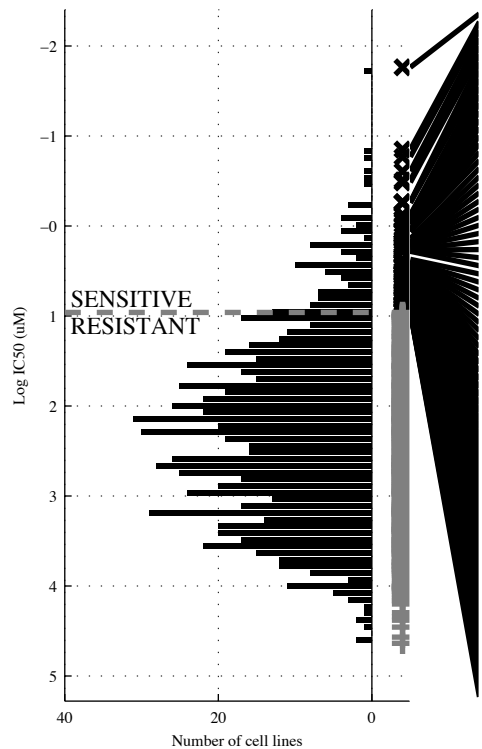
860 cell lines  
 82 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>BRAF</b>	<b>-a(FGFR&amp; a3q26.</b>	<b>-TP53 &amp;d(MED&amp; d(BNC2</b>	<b>-TP53 &amp;d(LAR&amp; -d(CHD&amp;d(BNC2</b>	<b>BRAF  Wnt-UP</b>	<b>[ ANK3 &amp;a(ARFG]   fEWSR1&amp; a3q26. ]</b>	<b>BRAF   MLL2   Wnt-UP</b>	<b>ASXL1   BRAF   a20q13  Wnt-UP</b>
TP   FP Specificity	11   62 0.92	18   101 0.87	26   139 0.83	22   122 0.84	18   89 0.89	19   122 0.83	28   151 0.81	30   142 0.82
FN   TN Precision	71   716 0.15	64   677 0.15	56   639 0.16	60   656 0.15	64   689 0.17	63   656 0.13	54   627 0.16	52   636 0.17
Recall	0.13	0.22	0.3	0.27	0.22	0.23	0.34	0.37

PANCAN  
 id: 171 name: AKT inhibitor VIII  
 target: AKT1, AKT2, AKT3 class: PI3K signaling

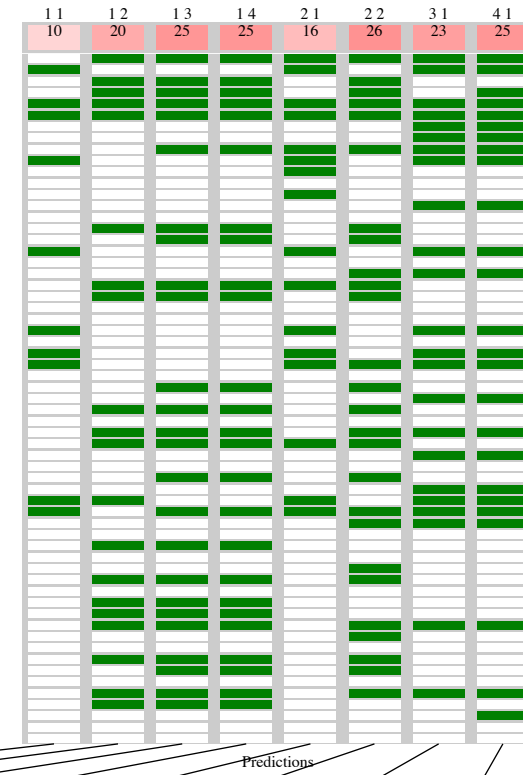
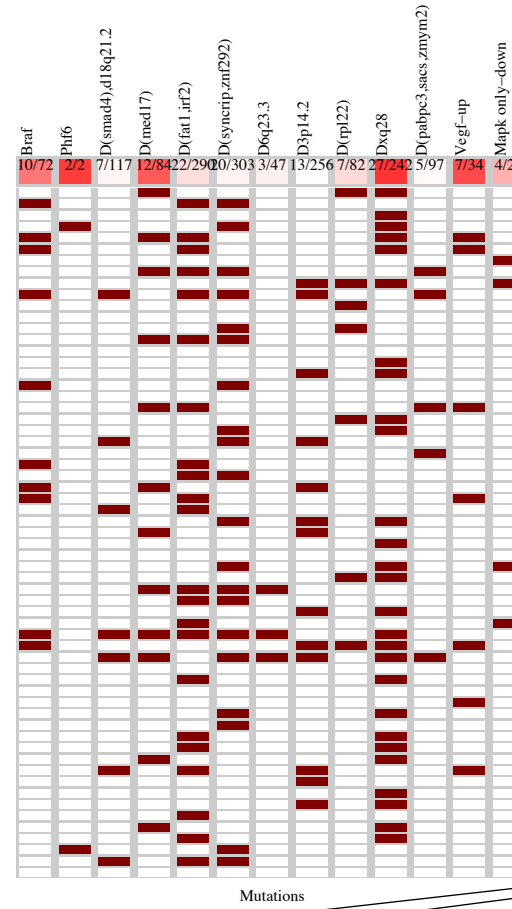
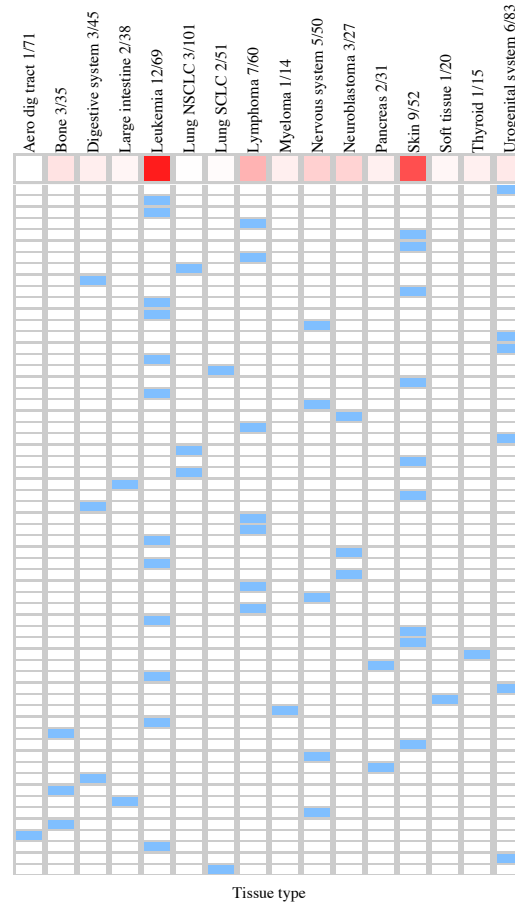
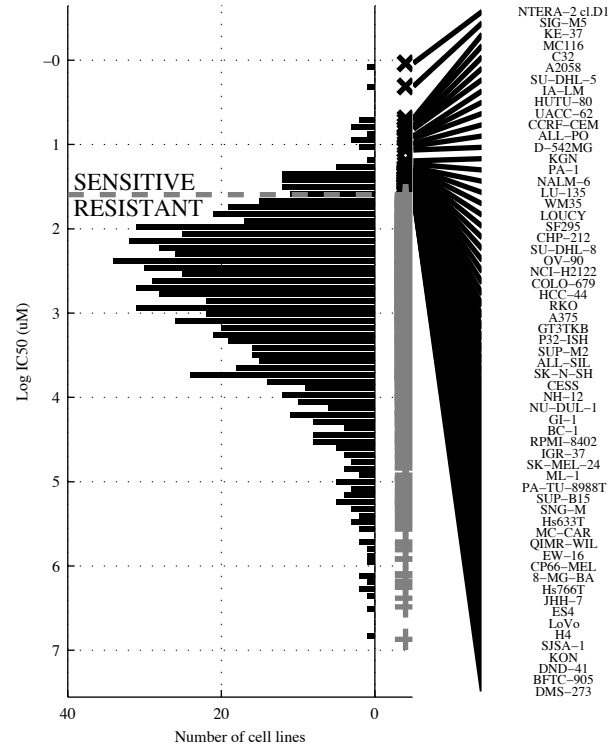
860 cell lines  
 85 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>PIK3CA</b>	<b>-KRAS&amp;PIK3CA</b>	<b>-KRAS&amp;PIK3CA&amp; -d4q22.</b>	<b>-BRCA2&amp;-KRAS&amp; PIK3CA&amp;-a20q13</b>	<b>PIK3CA   a(EGFR</b>	<b>[ a(IL7R &amp; a(ASXL)   [ a(MYC)&amp;d(FAT1]</b>	<b>FGFR2   PIK3CA   a(EGFR</b>	<b>DLG1   FGFR2   PIK3CA   a8q24.</b>
TP   FP	14   68	13   56	13   52	13   41	24   137	16   106	27   141	30   132
Specificity	0.91	0.93	0.93	0.9	0.82	0.88	0.82	0.83
FN   TN	71   707	72   719	72   723	72   734	61   638	69   669	58   634	55   643
Precision	0.17	0.19	0.2	0.21	0.15	0.16	0.16	0.19
Recall	0.16	0.15	0.15	0.22	0.28	0.2	0.32	0.35

PANCAN  
 id: 172 name: Embelin  
 target: XIAP class: apoptosis regulation

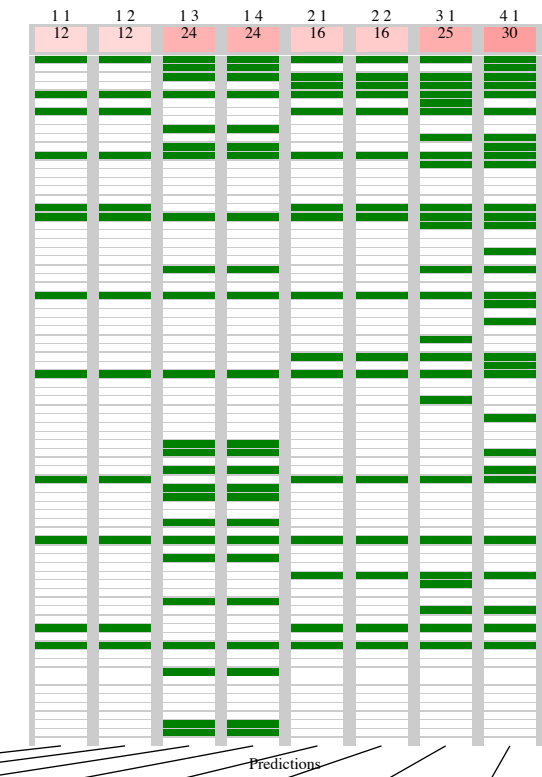
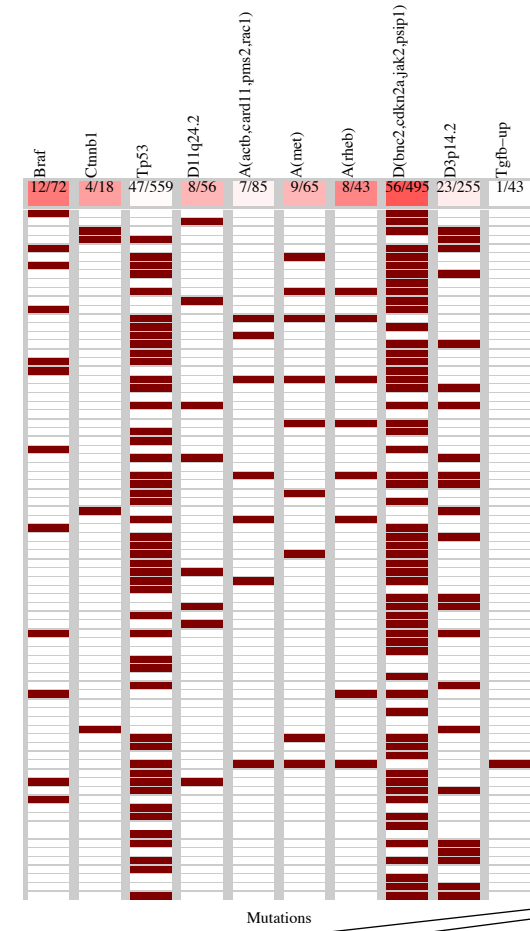
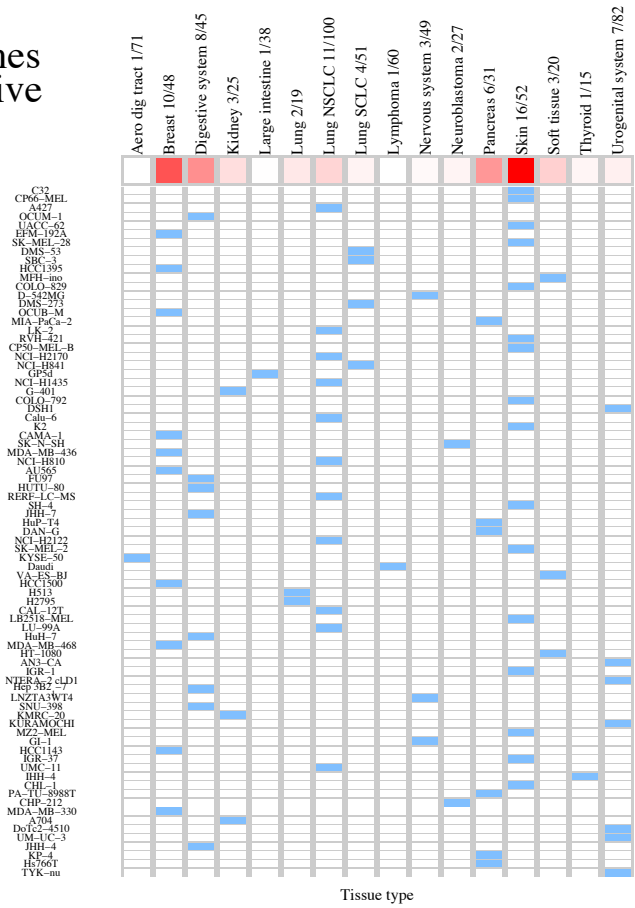
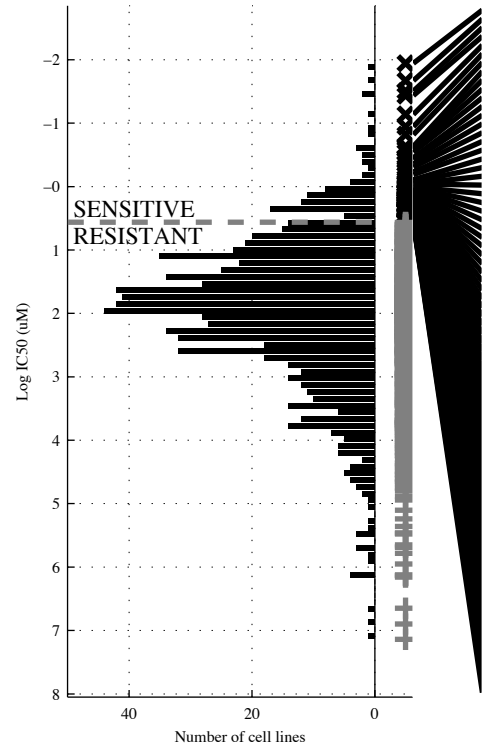
855 cell lines  
 61 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>BRAF</b>	<b>-d3p14.&amp; dXq28</b>	<b>-d(SMA&amp; dXq28 &amp; -d(PABP</b>	<b>-d(SMA&amp; -d6q23.&amp; dXq28 &amp; -d(PABP</b>	<b>BRAF   d(RPL2</b>	<b>[ -d(SYN&amp; VEGF-U)   [ -d(FAT&amp; dXq28 ]</b>	<b>BRAF   d(MED1)   MAPK o</b>	<b>BRAF   PHF6   d(MED1)MAPK o</b>
TP   FP	10   62	20   129	25   135	25   119	16   134	26   144	23   154	25   154
Specificity	0.92	0.84	0.83	0.85	0.83	0.82	0.81	0.81
FN   TN	51   732	41   665	36   659	36   675	45   660	35   650	38   640	36   640
Precision	0.14	0.13	0.16	0.17	0.11	0.15	0.13	0.14
Recall	0.16	0.33	0.41	0.41	0.26	0.43	0.38	0.41

PANCAN  
 id: 173 name: FH535  
 target: unknown class: other

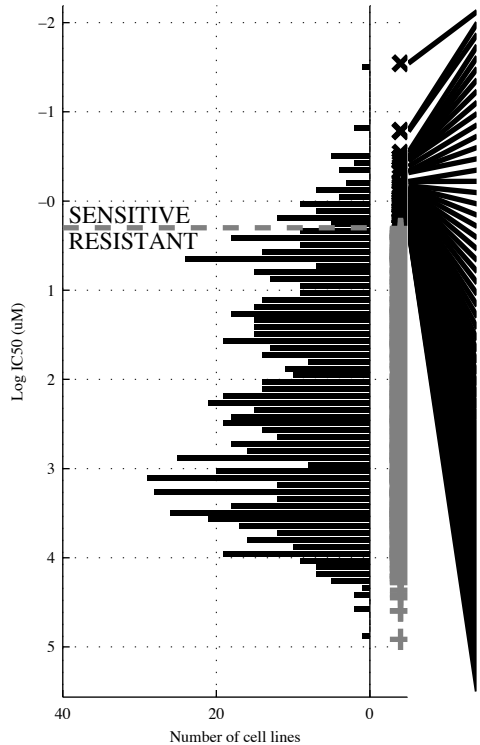
851 cell lines  
 79 sensitive



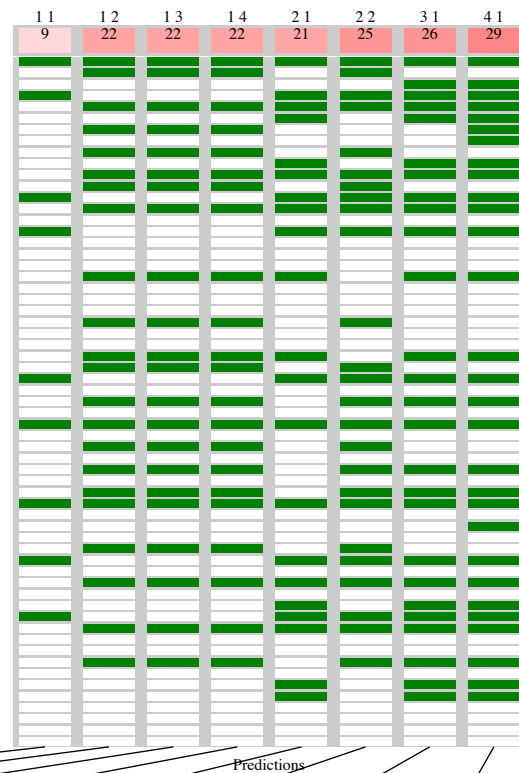
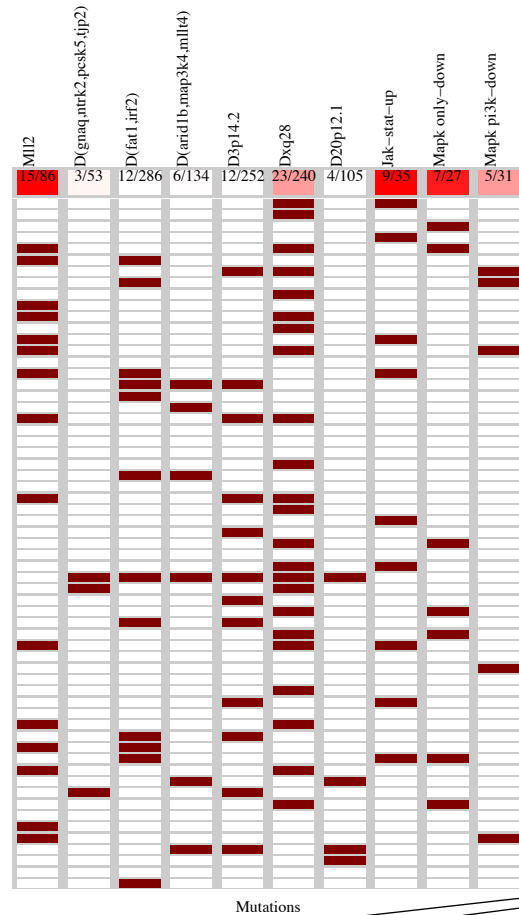
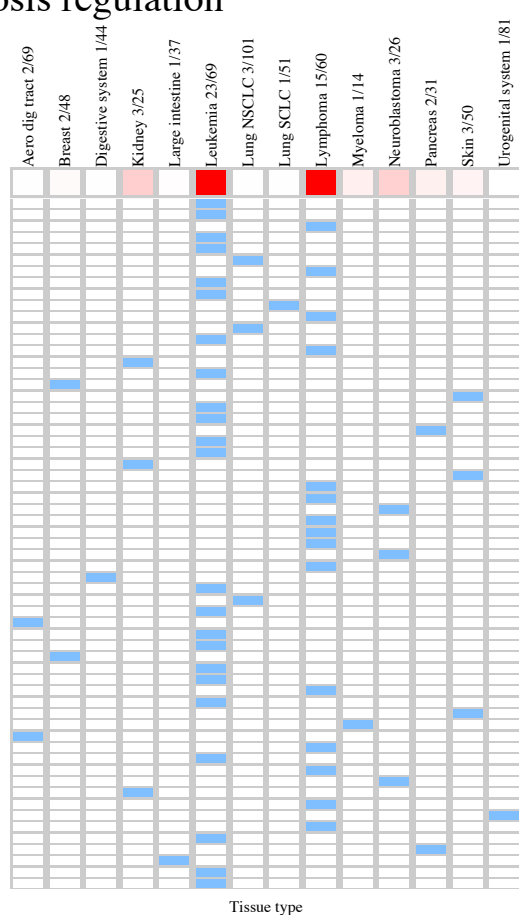
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>BRAF</b>	<b>BRAF &amp; d(BNC2)</b>	<b>~TP53 &amp; a(ACT1L3)</b> <b>d(BNC2)</b>	<b>~TP53 &amp; a(ACT1L3)</b> <b>d(BNC2 &amp; TGFB-U)</b>	<b>BRAF   CTNNB1</b>	<b>[CTNNB1 &amp; d3p14. ]</b> <b> </b> <b>[ BRAF &amp; d(BNC2) ]</b>	<b>BRAF   CTNNB1</b> <b>a(MET)</b>	<b>BRAF   CTNNB1</b> <b>d11q24   a(RHEB)</b>
TP   FP	12   60	12   33	24   146	24   131	16   72	16   39	25   118	30   146
Specificity	0.92	0.96	0.84	0.83	0.91	0.95	0.85	0.81
FN   TN	67   712	67   739	55   626	55   641	63   700	63   733	54   654	49   626
Precision	0.17	0.27	0.17	0.15	0.18	0.29	0.17	0.17
Recall	0.15	0.15	0.27	0.3	0.2	0.2	0.32	0.38

PANCAN  
 id: 175 name: PAC-1  
 target: CASP3 agonist class: apoptosis regulation

842 cell lines  
 61 sensitive



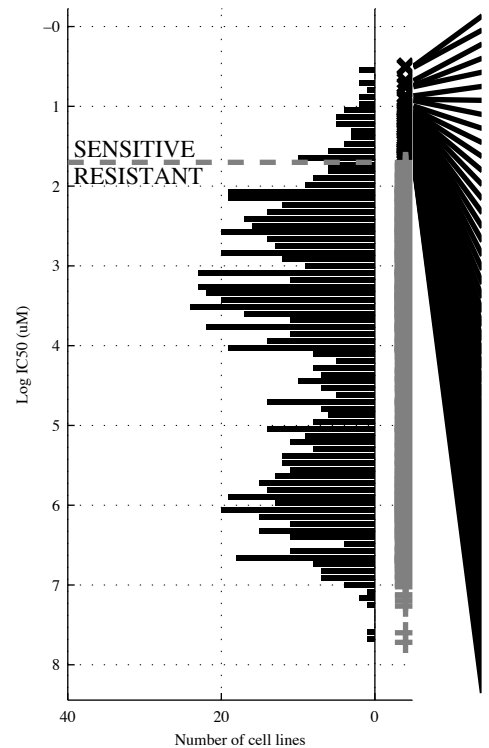
- KE-37
- ALL-SIL
- SU-DHL-5
- CCRF-CEM
- 697
- NCI-H1568
- P32-13H
- HAL-01
- NALM-6
- COE-L88
- OCL-LY-19
- LCLC-103H
- DND-41
- SU-DHL-8
- 786-0
- SIG-MS
- HCC203
- COLO-679
- LOUCY
- BEH
- PANC-03-27
- KOPN-8
- RS4-11
- G-401
- A375
- L-428
- BC-1
- NH-12
- Daudi
- ST486
- WIL2-NS
- CHP-126
- JiyoyeP-2003
- MKN45
- ME-1
- LC-2-ad
- SUP-T1
- KYSE-70
- CESS
- CTV-1
- HCC2218
- PF-382
- NKM-1
- MC116
- NB-4
- G-361
- MC-CAR
- KYSE-410
- NU-DUL-1
- RPMI-8402
- BL-41
- NB(TU)1-10
- 769-P
- RPMI-6666
- OVTKO
- TK
- KARPAS-231
- SUIT-2
- T84
- HC-1
- P12-ICHIKAWA



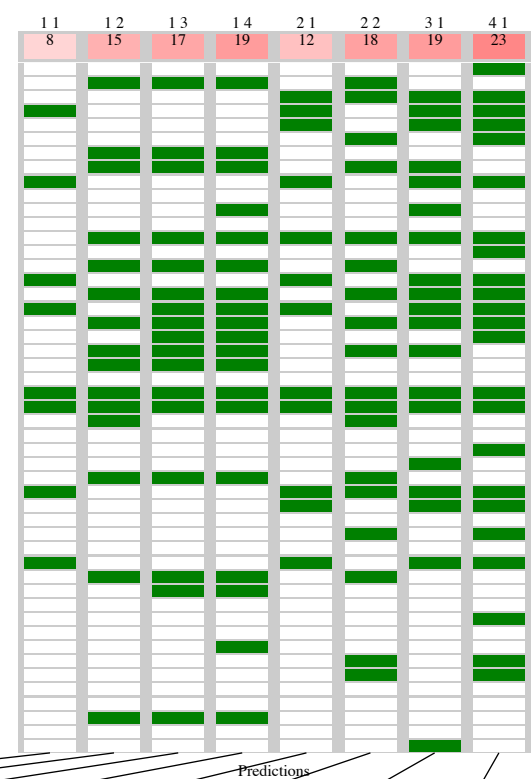
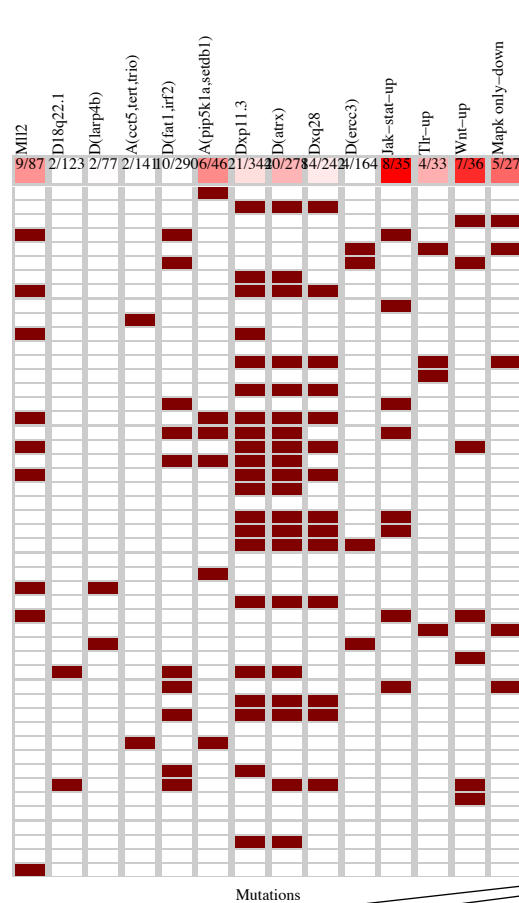
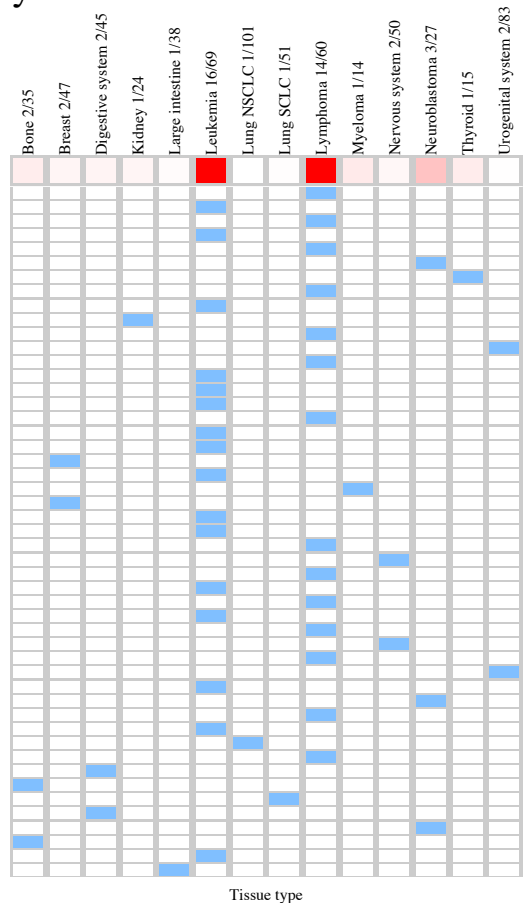
Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	M		2		3		4		1		2		3		1	
Logic formula	<b>JAK-ST</b>		<b>~d(FAT &amp; dXq28)</b>		<b>~d(FAT &amp; d(ARI) &amp; dXq28)</b>		<b>~d(FAT &amp; d(ARI) &amp; dXq28 &amp; ~d20p12)</b>		<b>MLL2   JAK-ST</b>		<b>[ ~d(GNAQ) &amp; JAK-ST ]</b>		<b>MLL2   JAK-ST  </b>		<b>MLL2   JAK-ST  </b>	
											<b>[ ~d3p14 &amp; dXq28 ]</b>		<b>MAPK o</b>		<b>MAPK o   MAPK P</b>	
TP   FP	9   26	0.97	22   128	0.84	22   100	0.87	22   81	0.9	21   97	0.88	25   139	0.82	26   114	0.85	29   130	0.83
FN   TN	52   755	0.26	39   653	0.15	39   681	0.18	39   700	0.21	40   684	0.18	36   642	0.15	35   667	0.19	32   651	0.18
Specificity	0.97		0.84		0.87		0.9		0.88		0.82		0.85		0.83	
Precision	0.26		0.15		0.18		0.21		0.18		0.15		0.19		0.18	
Recall	0.15		0.36		0.36		0.36		0.34		0.41		0.43		0.48	

PANCAN  
 id: 176 name: IPA-3  
 target: PAK1, PAK2, PAK3 class: cytoskeleton

853 cell lines  
 49 sensitive



- YT
- NALM-6
- SU-DHL-5
- SIG-M5
- Farage
- NBT4
- IHH-4
- SU-DHL-8
- CCRF-CEM
- 786-0
- JM1
- SW1710
- WIL2-NS
- QIMR-WIL
- AL1-S1L
- CMK
- BL-41
- U-698-M
- MHH-PREB-1
- MCF7
- REH
- JIN-3
- CAL-51
- KE-37
- HEL
- P32-ISH
- Daoy
- CA46
- KARPAS-231
- SU-DHL-4
- DND-41
- EB2
- GB-1
- ST486
- BFTC-905
- RPMI-8402
- NH-12
- SR
- KOPN-8
- NCL-H2009
- JSC-1
- HGC-27
- HOS
- NCL-H847
- HLE
- NB13
- SK-ES-1
- PF-382
- RKO

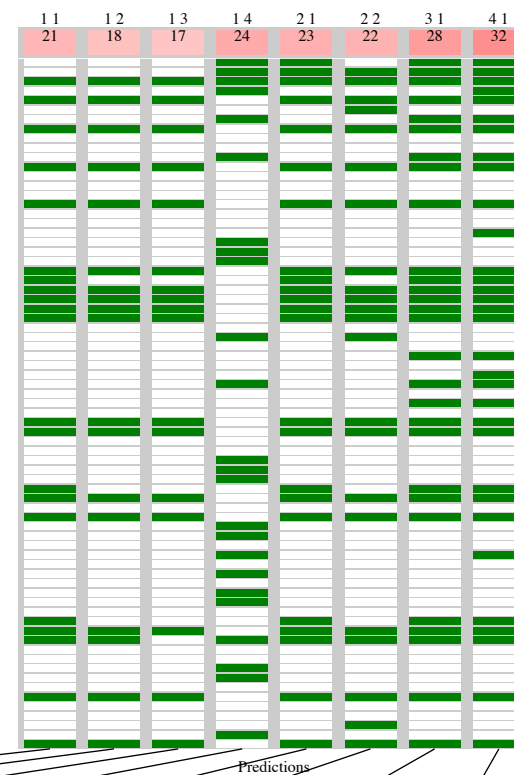
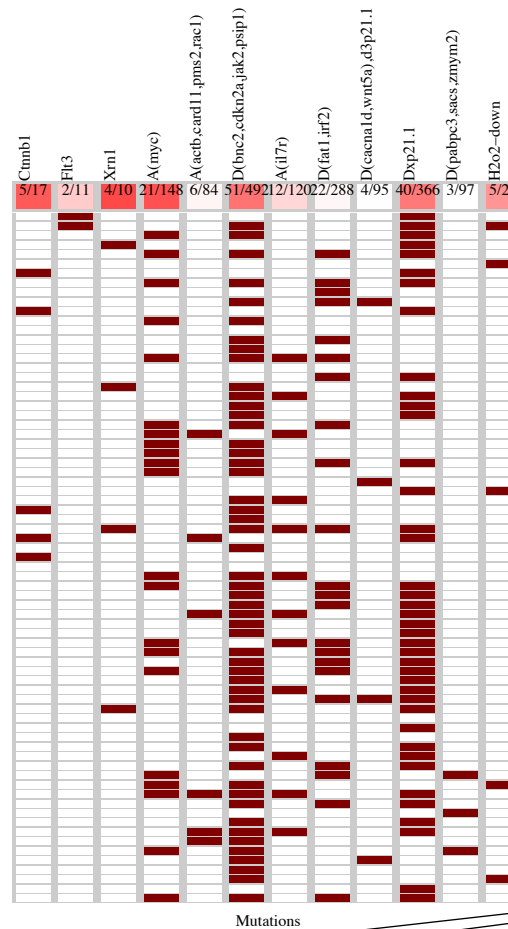
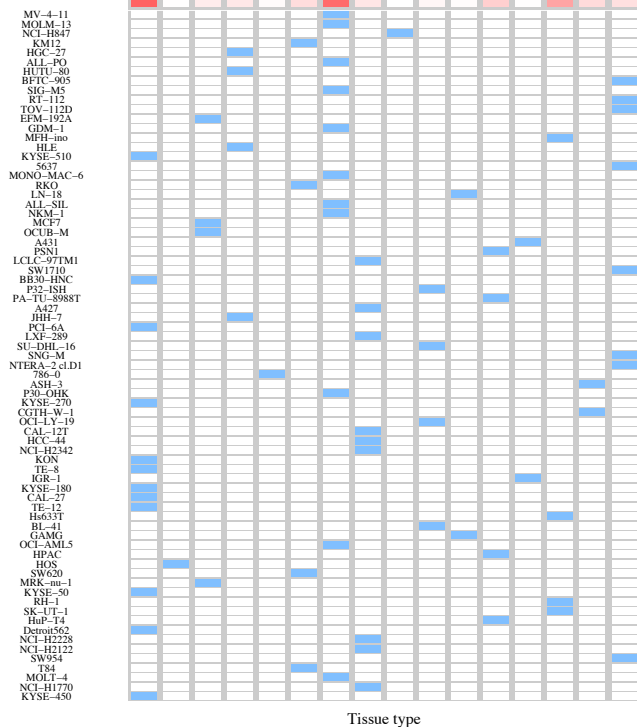
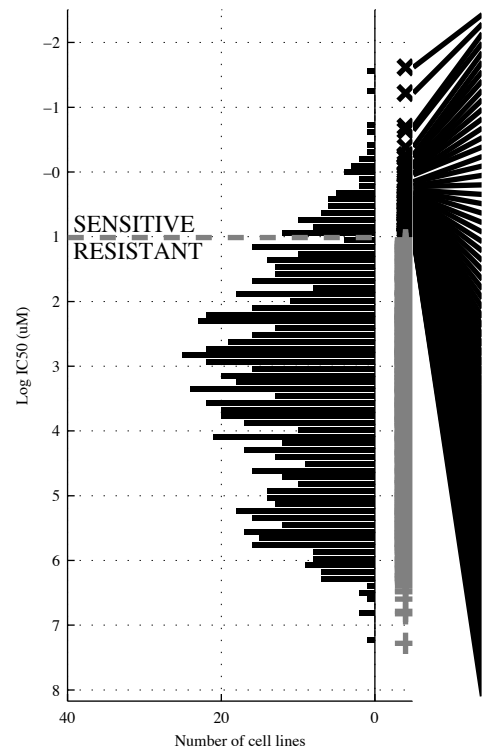


Model name	11	12	13	14	21	22	31	41
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>JAK-ST</b>	<b>~d(FAT)&amp;d(ATRX)</b>	<b>~d18q22&amp;d(ATRX)&amp;~d(ERCC)</b>	<b>~d18q22&amp;d(LAR)&amp;dXp11.&amp;d(ERCC)</b>	<b>JAK-ST MAPK o</b>	<b>[~a(CCT5&amp;Wnt-UP)]</b>	<b>MLL2  JAK-ST </b>	<b>a(PIP5  JAK-ST </b>
						<b>[~d(FAT&amp; dXq28 )</b>	<b>MAPK o</b>	<b>TLR-UP Wnt-UP</b>
TP   FP	8   27	15   151	17   158	19   158	12   48	18   152	19   122	23   115
Specificity	0.97	0.81	0.8	0.83	0.94	0.8	0.85	0.86
FN   TN	41   777	34   653	32   646	30   646	37   756	31   652	30   682	26   689
Precision	0.23	0.09	0.11	0.12	0.2	0.1	0.13	0.17
Recall	0.16	0.31	0.38	0.4	0.24	0.37	0.39	0.47



PANCAN  
 id: 177 name: GSK-650394  
 target: SGK3 class: other

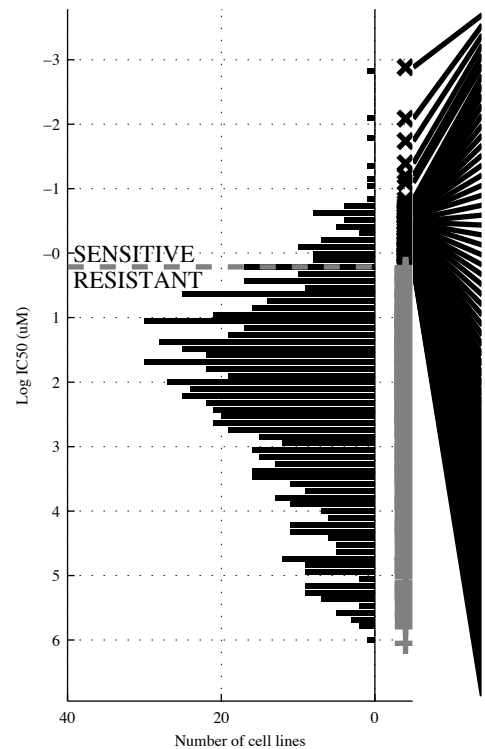
845 cell lines  
 73 sensitive



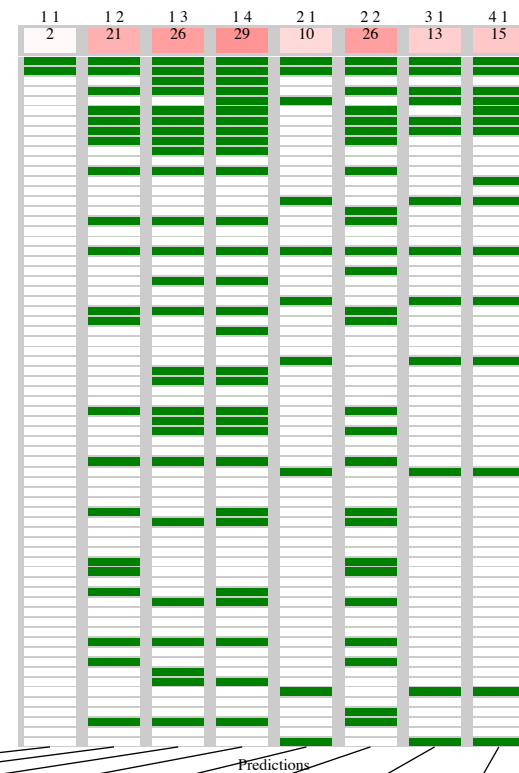
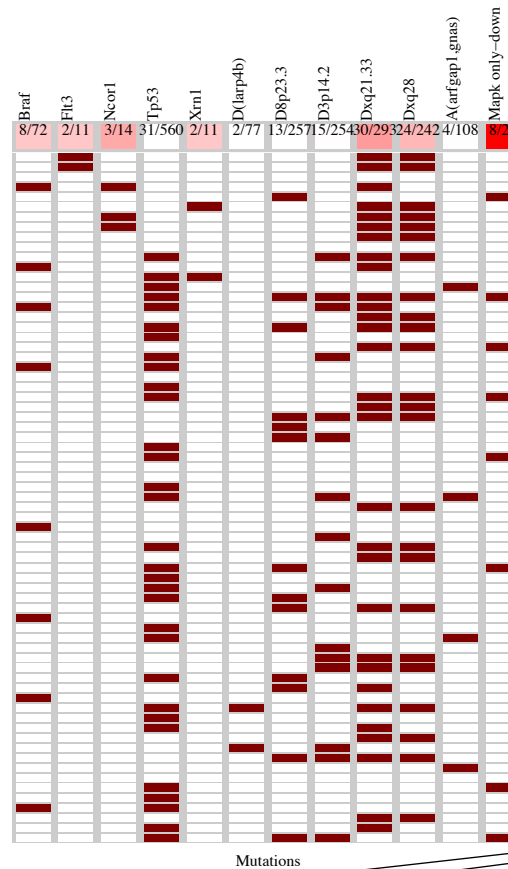
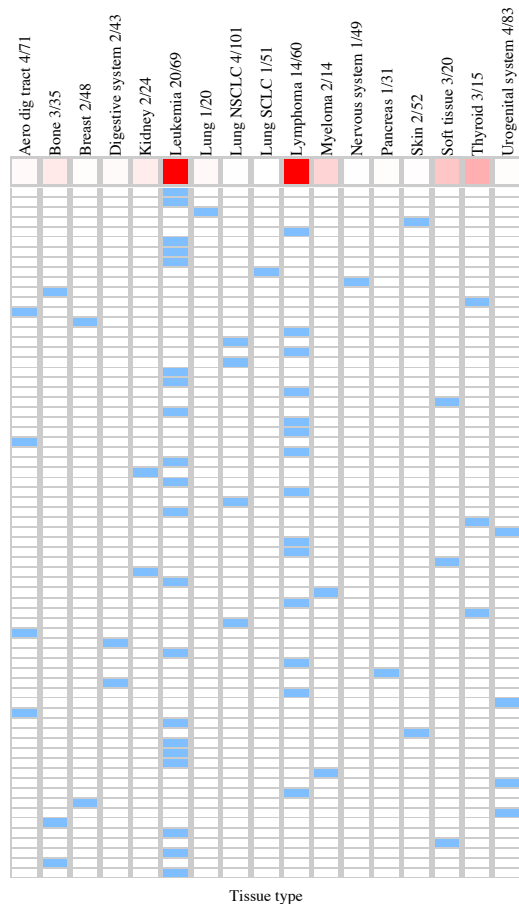
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a(MYC)</b>	<b>a(MYC)&amp;d(BNC2)</b>	<b>a(MYC)&amp;a(ACTR)</b>	<b>d(FAT1)&amp;d(CAC1)</b>	<b>FLT3   a(MYC)</b>	<b>[¬a(IL7R)&amp;H2O2-D]</b>   <b>[ a(MYC)&amp;d(BNC2) ]</b>	<b>CTNNB1   FLT3  </b>   <b>a(MYC)</b>	<b>CTNNB1   FLT3  </b>   <b>XRN1   a(MYC)</b>
TP   FP	21   127	18   67	17   54	24   137	23   134	22   81	28   144	32   148
Specificity	0.84	0.91	0.88	0.82	0.83	0.9	0.81	0.81
FN   TN	52   645	55   705	56   718	49   635	50   638	51   691	45   628	41   624
Precision	0.14	0.21	0.19	0.15	0.15	0.22	0.16	0.18
Recall	0.29	0.25	0.26	0.33	0.32	0.3	0.38	0.44

PANCAN  
 id: 178 name: BAY 61-3606  
 target: SYK class: other

851 cell lines  
 69 sensitive



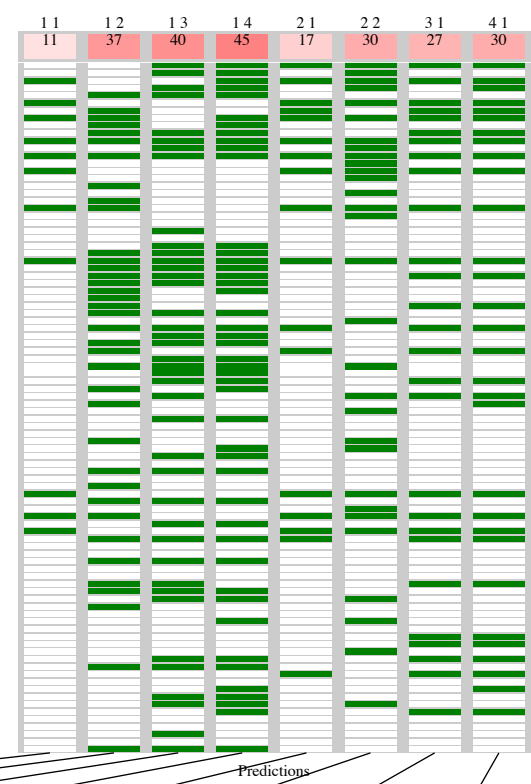
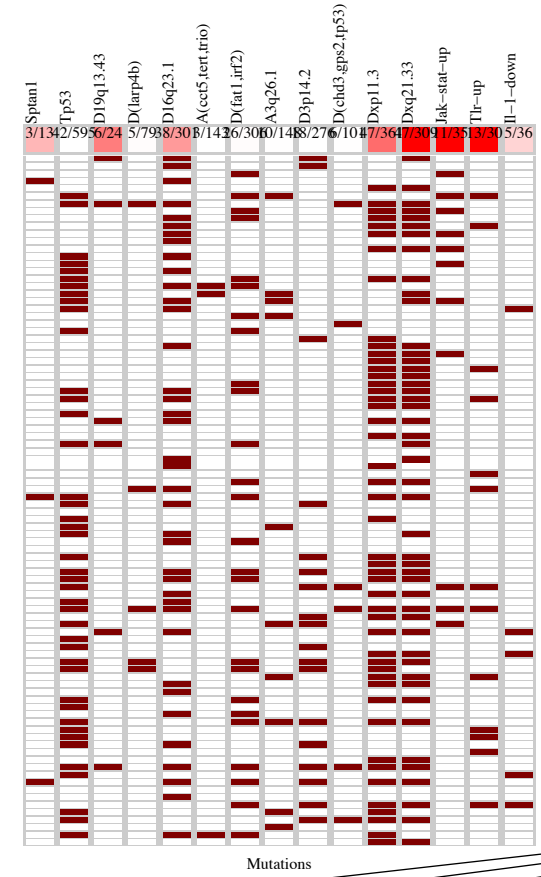
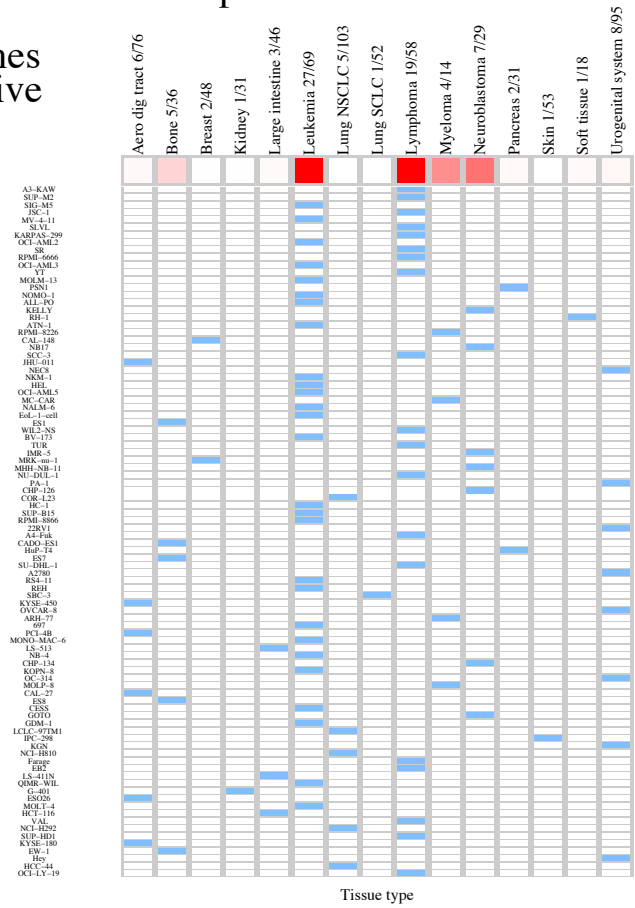
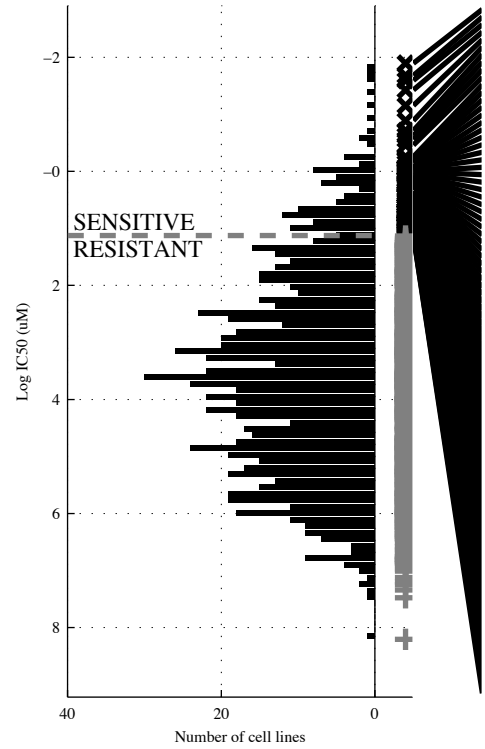
MV-4-11  
 MOLM-13  
 H2369  
 HMV-2  
 SU-DHL-5  
 Eot-DHL-cell  
 NALM-6  
 F30-ONK  
 SBC-3  
 YKG-1  
 NOS-1  
 IHH-4  
 TE-12  
 EFM-192A  
 SU-DHL-6  
 CAL-T2T  
 SR  
 LCLC-97IM1  
 ALI-99  
 697  
 ST486  
 GIC1  
 QIMR-WIL  
 Daudi  
 WIL2-NS  
 RPMI-2650  
 A3-KAW  
 GDM-1  
 LB1047-BCC  
 CMK  
 Farage  
 NCI-H460  
 HC-1  
 ASH-3  
 LBR91-BLC  
 OCI-LY-19  
 Hs445  
 SW982  
 769-P  
 KE-37  
 MOLF-8  
 EB3  
 TT209-C02  
 NCI-H1975  
 I-1  
 RE-48  
 SIG-M5  
 SU-DHL-16  
 PSN1  
 ECC10  
 P3-48H  
 MES-SA  
 TE-15  
 NMS-1  
 A375  
 MONO-MAC-6  
 PL-21  
 U-698-M  
 MC-CAR  
 DoT2-4510  
 SUP-HD1  
 MCF7  
 PA-1  
 EST  
 KOPN-8  
 SW872  
 SUP-R15  
 SK-ES-1  
 MLMA



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>FLT3</b>	<b>-TP53 &amp; dXq21.</b>	<b>-TP53 &amp; -d8p23 &amp; -d3p14.</b>	<b>-TP53 &amp; d(LARF) &amp; -d3p14 &amp; a(ARFG)</b>	<b>FLT3   MAPK o</b>	<b>[ -TP53 &amp; dXq28 ]   [ BRAF &amp; a(ARFG) ]</b>	<b>FLT3   NCOR1   MAPK o</b>	<b>FLT3   NCOR1   XRN1   MAPK o</b>
TP   FP	2   9	21   99	26   151	29   151	10   28	26   131	13   37	15   43
Specificity	0.99	0.87	0.81	0.81	0.96	0.84	0.95	0.95
FN   TN	67   773	48   683	43   631	40   631	59   754	43   651	56   745	54   739
Precision	0.18	0.17	0.15	0.16	0.26	0.17	0.26	0.26
Recall	0.029	0.3	0.38	0.42	0.14	0.36	0.19	0.22

PANCAN  
 id: 179 name: 5-Fluorouracil  
 target: DNA antimetabolite class: DNA replication

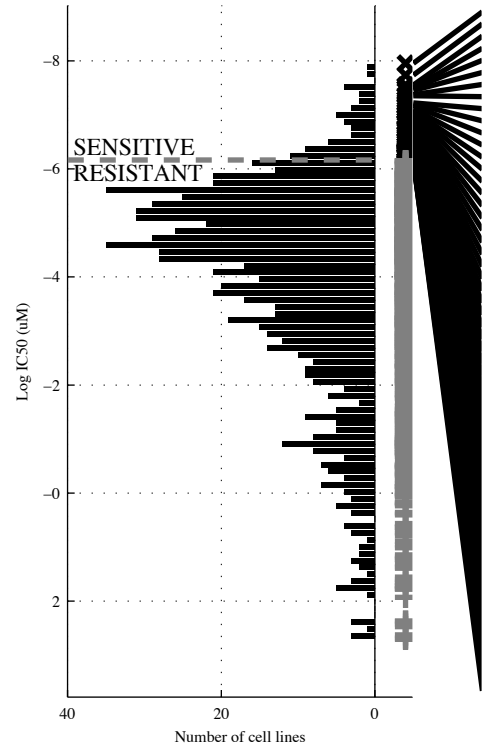
894 cell lines  
 92 sensitive



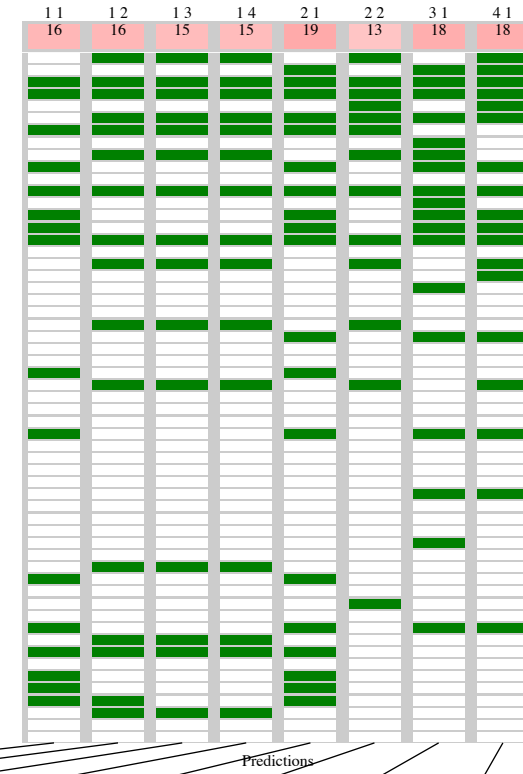
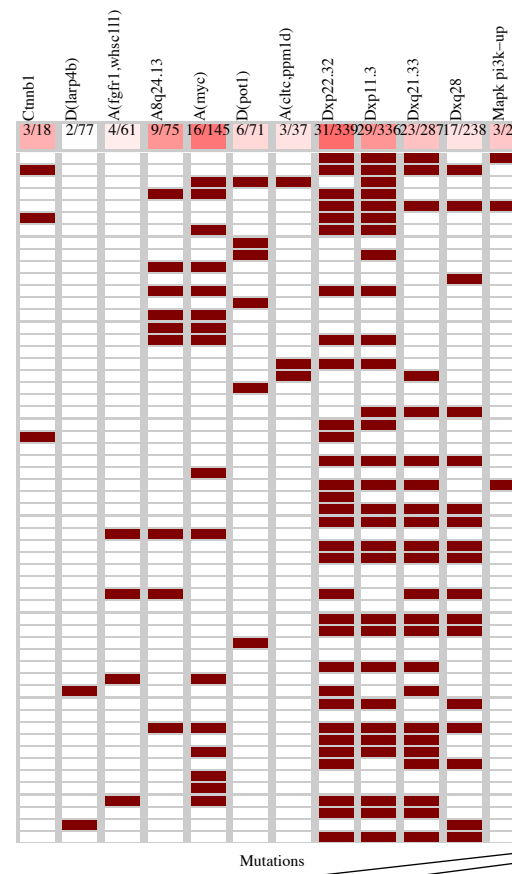
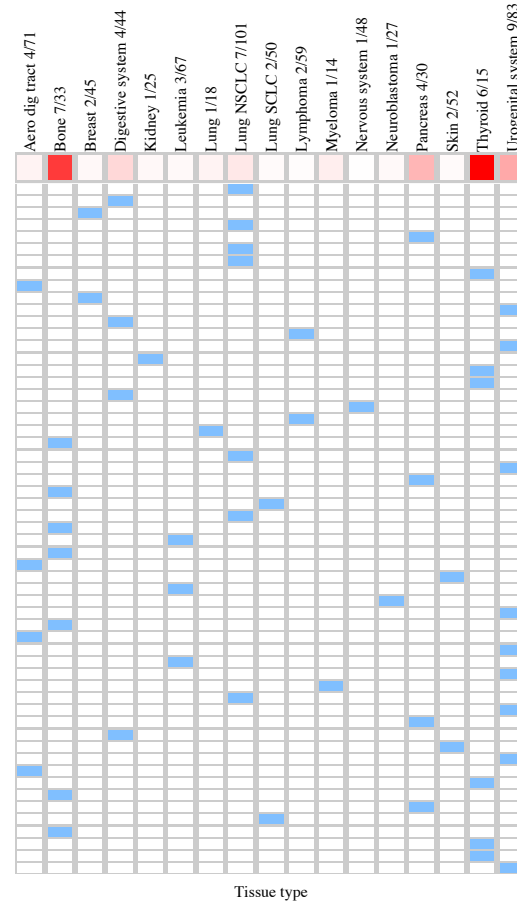
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>JAK-ST</b>	<b>-d3p14.&amp;dXq21.</b>	<b>-TP53 &amp;a(CCT&amp;</b>	<b>-TP53 &amp;d(LAR&amp;</b>	<b>d19q13  JAK-ST</b>	<b>[JAK-ST&amp;IL-1-D]</b>   <b>[ d16q23 &amp;-dXp11.]</b>	<b>d19q13  JAK-ST </b>	<b>SPTAN1  d19q13  </b>
TP   FP	11   24	37   158	40   157	45   158	17   42	30   159	27   55	30   62
Specificity	0.97	0.8	0.8	0.8	0.95	0.8	0.93	0.92
FN   TN	81   778	55   644	52   645	47   644	75   760	62   643	65   747	62   740
Precision	0.31	0.19	0.21	0.22	0.29	0.16	0.33	0.33
Recall	0.12	0.4	0.47	0.48	0.18	0.33	0.29	0.33

PANCAN  
 id: 180 name: Thapsigargin  
 target: sarco-endoplasmic reticulum Ca<sup>2+</sup>-ATPases class: other

840 cell lines  
 57 sensitive



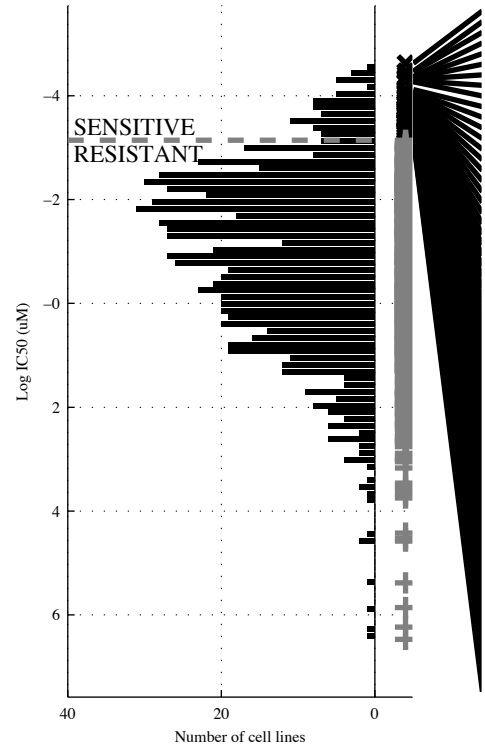
- SK-MES-1
- SNU-398
- MCF7
- NCL-H2342
- HPAC
- LXF-289
- HCC-44
- 8503C
- T-T
- HCC1937
- NTERA-2 cl.D1
- HGC-27
- A4-Euk
- SW1710
- 786-0
- ASH-3
- TT2609-C02
- NUGC-4
- A172
- SU-DHL-16
- H2369
- ES1
- HOP-62
- TOV-112D
- Capant-2
- ES4
- DMS-273
- CAL-12T
- NY
- NALM-6
- EW-16
- KYSE-410
- WM793B
- 697
- NB7
- 639-V
- NOS-1
- KYSE-70
- OVCAR-5
- ALL-SIL
- KGN
- KARPAS-620
- ABC-1
- SK-OV-3
- KP-1N
- TGBC24TKB
- IST-MEL1
- KURAMOCHI
- OE21
- IHH-4
- HOS
- PSN1
- NCL-H847
- G-292 Clone A141B1
- CGTH-W-1
- ML-1
- MFE-319



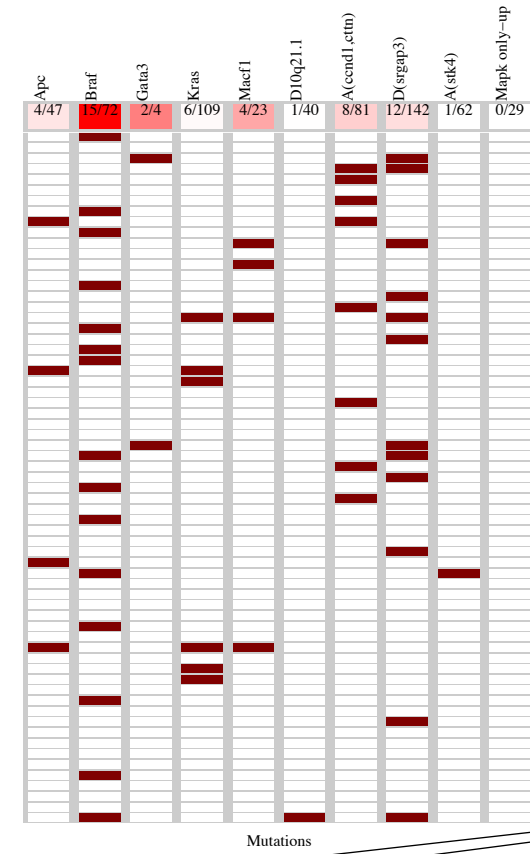
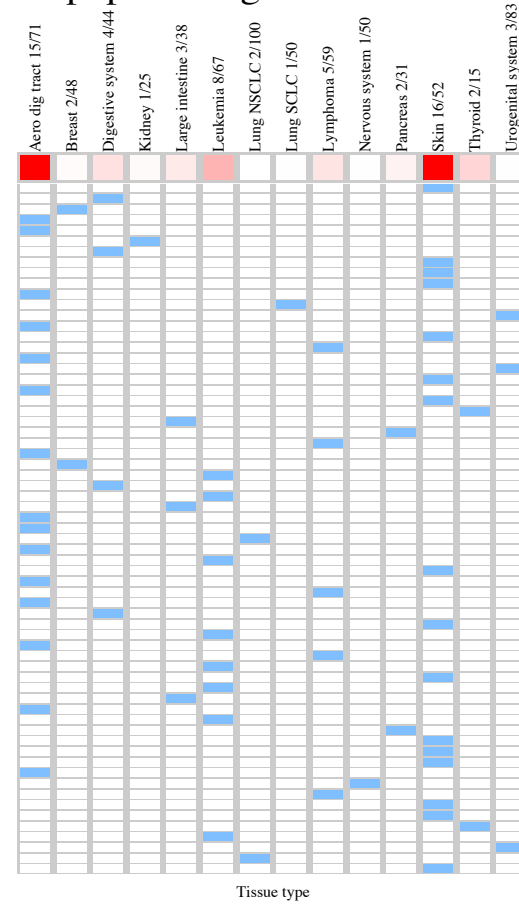
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	a(MYC)	dXp11.&-dXq28	-a(FGFR&dXp11.&-dXq28	-d(LAR)&a(FGFR&dXp11.&-dXq28	CTNNB1 a(MYC)	[ dXp11.&-dXq21.]   [ dXp22.&MAPK P]	CTNNB1  a8q24.   d(POT1)	CTNNB1  a8q24.   a(CLTC MAPK P
TP   FP	16   129	16   108	15   97	15   86	19   143	13   86	18   142	18   117
Specificity	0.84	0.86	0.88	0.89	0.82	0.89	0.82	0.85
FN   TN	41   654	41   675	42   686	42   697	38   640	44   697	39   641	39   666
Precision	0.11	0.13	0.13	0.15	0.12	0.13	0.11	0.13
Recall	0.28	0.28	0.26	0.26	0.33	0.23	0.32	0.32

PANCAN  
 id: 182 name: Obatoclox Mesylate  
 target: BCL2, BCL2L1, MCL1 class: apoptosis regulation

847 cell lines  
 65 sensitive



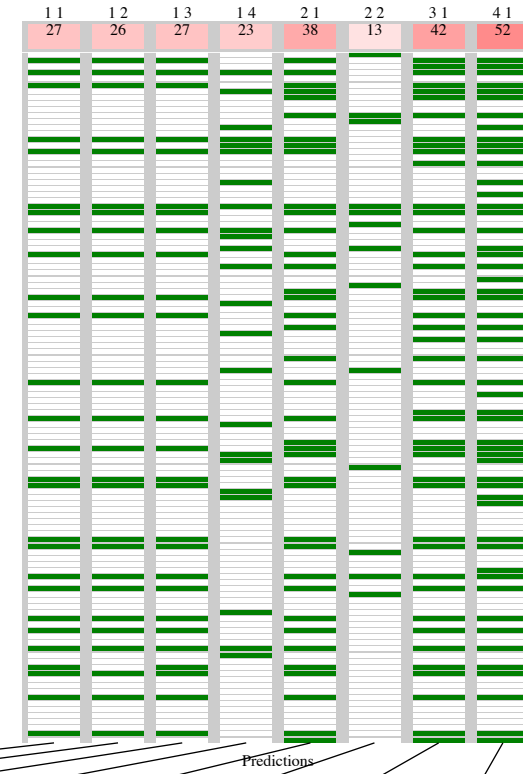
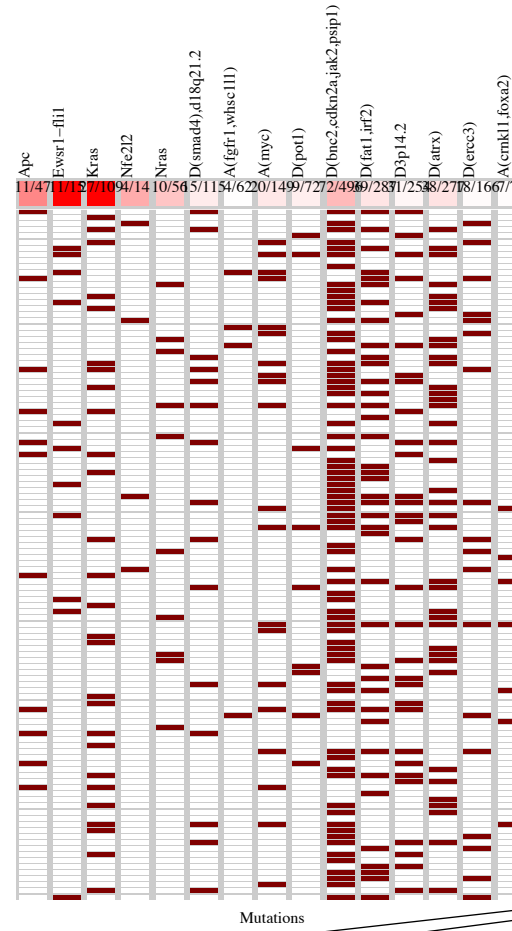
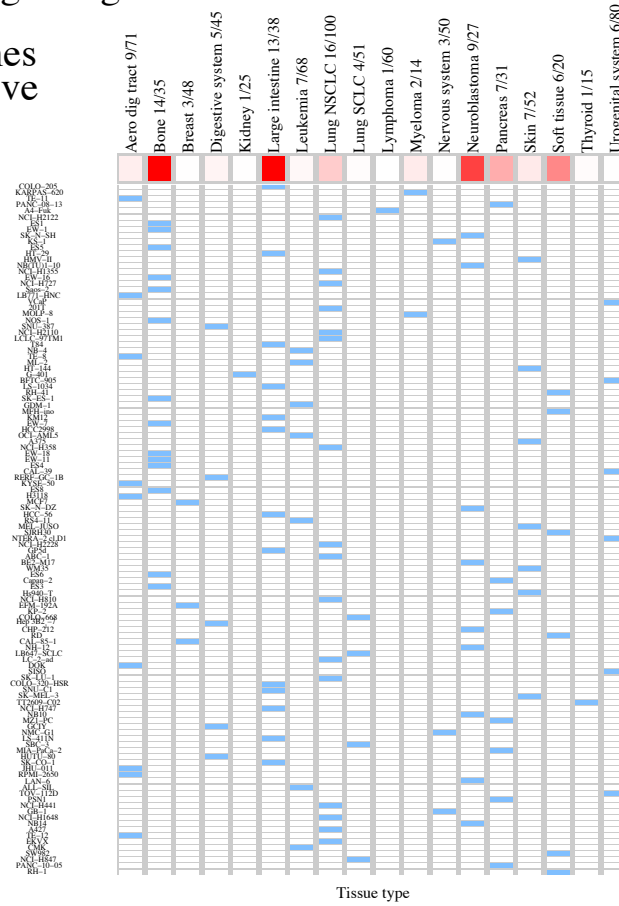
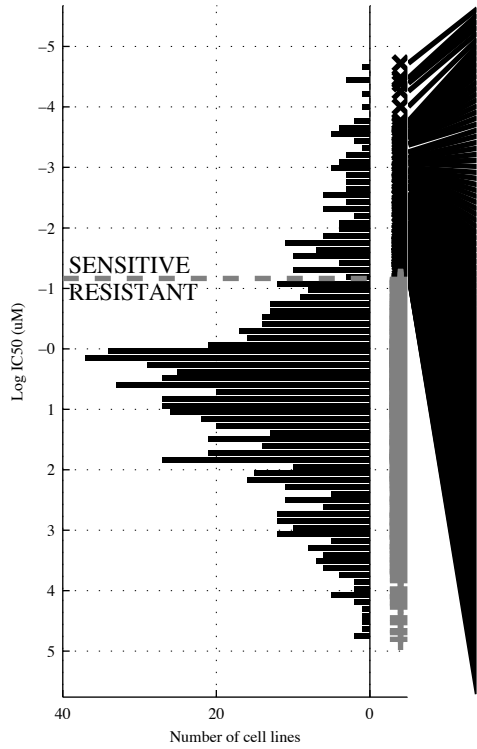
- SH-4
- JHH-4
- WIC-7
- BHY
- KYSE-50
- Hep3B2-7
- H1h144
- SK-MEL-30
- IST-MEL1
- KYSE-450
- SW171
- C-33-A
- KON
- IGR-1
- SU-DHL-5
- KYSE-510
- SNG-3
- A375
- JHU-029
- WM35
- BHT-101
- SW620
- FSN1
- P32-ISH
- KYSE-140
- CAL-85-1
- SUP-B15
- NUGC-4
- GR-ST
- RKO
- JHU-011
- HSC-3
- CAL-12T
- OE21
- LOUCY
- A101D
- H3118
- SU-DHL-8
- BB30-HNC
- HCC-27
- SK-MEL-3
- HAL-01
- RPMI-2650
- EB3
- NALM-6
- GE-361
- HE-37
- HCC2998
- PCL4B
- KOPN-3
- SUIT-2
- GAK
- WM793B
- MEL-JUSO
- HSC-2
- Daoy
- SI486
- HS40-T
- MZ2-MEL
- 8505C
- KARPAS-45
- DOP9-310
- LCLC-103H
- WM1552C



Model name	11	12	13	14	21	22	31	41
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>BRAF</b>	<b>¬APC &amp; BRAF</b>	<b>¬APC &amp; BRAF &amp; ¬d10q21</b>	<b>BRAF &amp; ¬KRAS &amp; ¬d10q21 &amp; ¬a(STK4)</b>	<b>BRAF   a(CCND)</b>	<b>[ GATA3 &amp; d(SRGA)   [ BRAF &amp; MAPK d</b>	<b>BRAF   MACF1   a(CCND)</b>	<b>BRAF   GATA3   MACF1   a(CCND)</b>
TP   FP	15   57	15   47	14   40	13   38	23   127	17   53	27   144	29   146
Specificity	0.93	0.94	0.95	0.95	0.84	0.89	0.82	0.81
FN   TN	50   725	50   735	51   742	52   744	42   655	48   729	38   638	36   636
Precision	0.21	0.24	0.25	0.26	0.15	0.17	0.16	0.17
Recall	0.23	0.23	0.21	0.2	0.35	0.25	0.42	0.45

PANCAN  
 id: 184 name: BMS-754807  
 target: IGF1R class: IGFR signaling

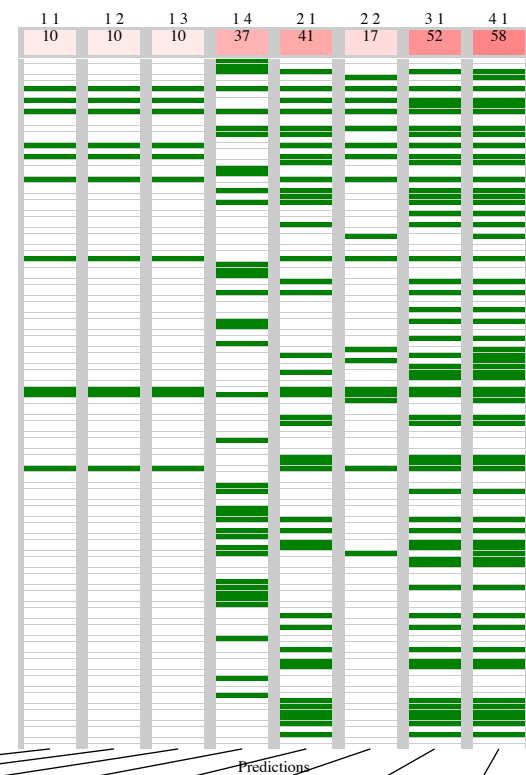
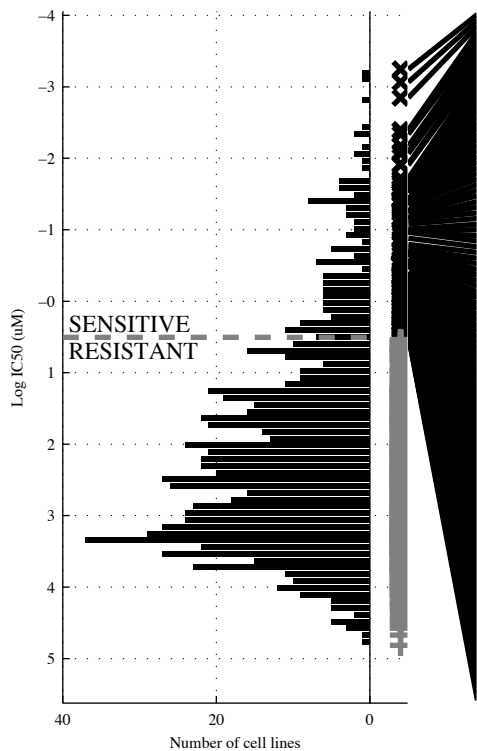
850 cell lines  
 114 sensitive



Model name	11	12	13	14	21	22	31	41
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>KRAS</b>	<b>KRAS &amp;a(CRNK</b>	<b>KRAS &amp;a(FGFR&amp;</b> <b>-d(POT1</b>	<b>d(BNC2&amp;-d3p14.&amp;</b> <b>d(ATRX&amp;d(ERCC</b>	<b>EWSR1-  KRAS</b>	<b>[ a(MYC)&amp;d(FAT1]</b> <b> </b> <b>[ APC &amp;d(SMAD]</b>	<b>EWSR1-  KRAS  </b> <b>NFE2L2</b>	<b>EWSR1-  KRAS  </b> <b>NFE2L2  NRAS</b>
TP   FP	27   82	26   73	27   65	23   75	38   86	13   42	42   95	52   139
Specificity	0.89	0.92	0.91	0.91	0.88	0.93	0.87	0.81
FN   TN	87   654	88   663	87   671	91   661	76   650	101   694	72   641	62   597
Precision	0.25	0.28	0.28	0.26	0.31	0.22	0.31	0.27
Recall	0.24	0.21	0.23	0.21	0.33	0.12	0.37	0.46

PANCAN  
 id: 185 name: OSI-906  
 target: IGF1R class: IGFR signaling

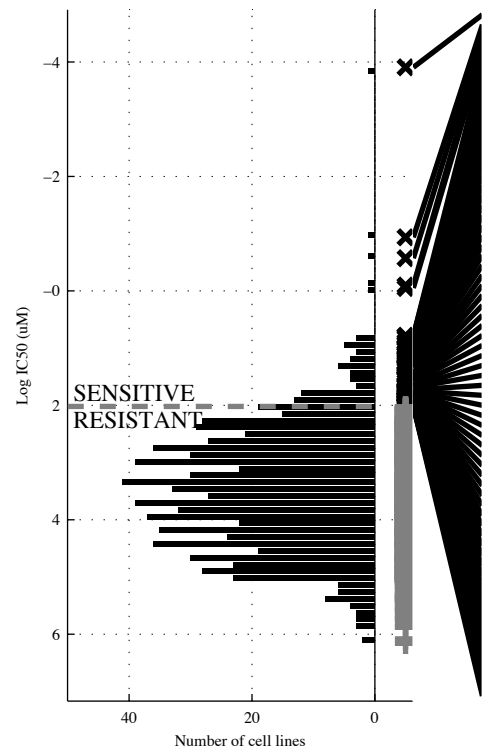
850 cell lines  
 122 sensitive



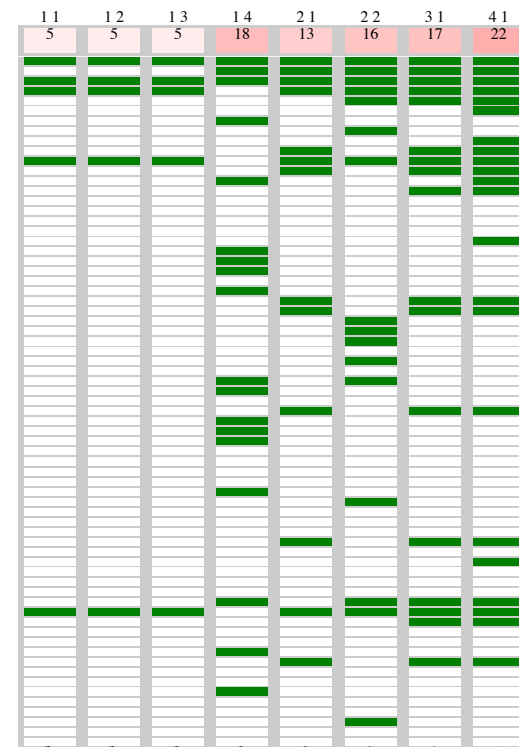
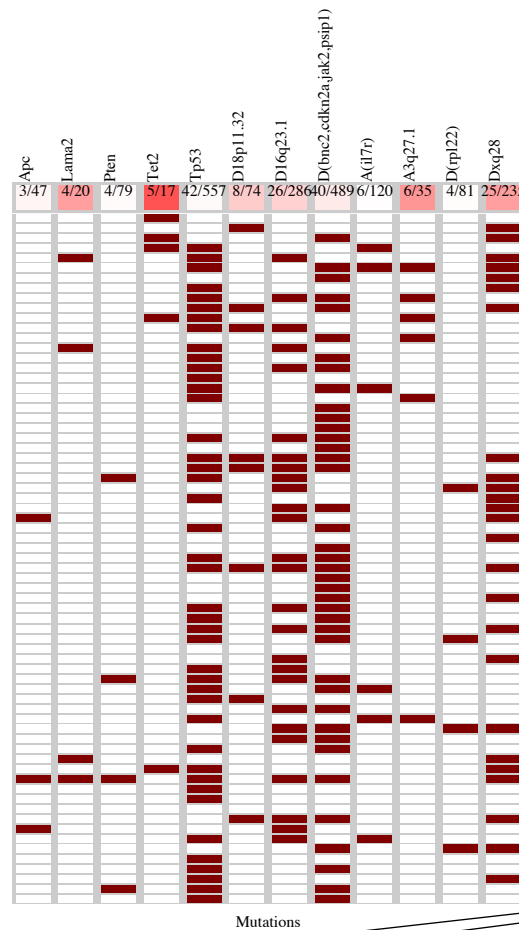
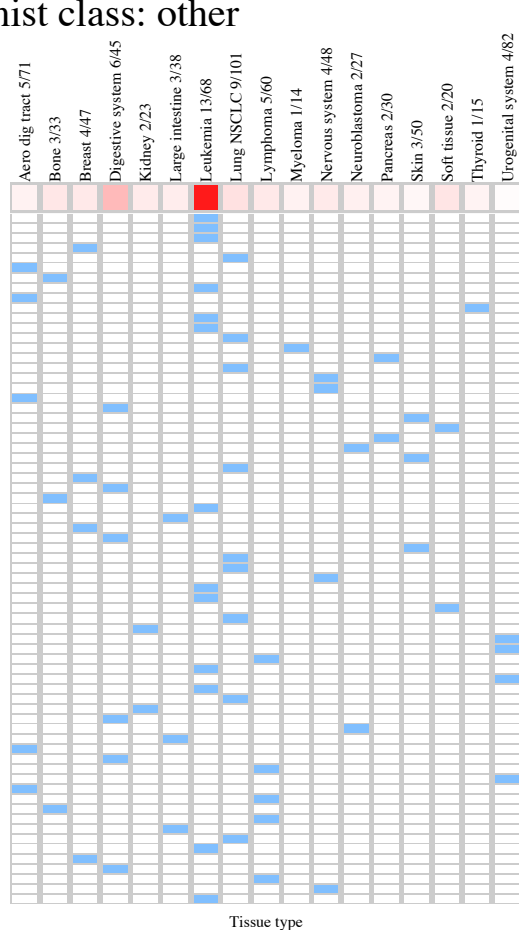
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>EWSR1-</b>	<b>EWSR1-&amp;PIK3CA</b>	<b>EWSR1-&amp;PIK3CA&amp; -d3q11.</b>	<b>-PTEN&amp;a(CCT&amp; d(SYNC&amp;d(SRGA</b>	<b>EWSR1-  KRAS</b>	<b>[ -MLL2&amp;NOTCH1]   [EWSR1-&amp;PIK3CA]</b>	<b>EWSR1-  KRAS   a(MYC)</b>	<b>EWSR1-  KRAS   NOTCH1a(MYC)</b>
TP   FP	10   5	10   4	10   2	37   143	41   84	17   8	52   111	58   118
Specificity	0.99	0.99	1	0.8	0.88	0.97	0.85	0.84
FN   TN	112   723	112   724	112   726	85   585	81   644	105   720	70   617	64   610
Precision	0.67	0.71	0.83	0.21	0.33	0.61	0.32	0.33
Recall	0.082	0.082	0.082	0.3	0.34	0.17	0.43	0.48

PANCAN  
id: 186 name: Bexarotene  
target: Retinoic acid X family agonist class: other

842 cell lines  
69 sensitive



- SIG-M5
- MV-4-11
- OCUC-M5
- OCUB-M
- ES4
- KYSE-180
- ES4
- HH
- LB771-HNC
- ML-1
- ATNS-1
- ALL-PO
- A47
- KARPAS-620
- MIA-PaCa-2
- NCI-H2122
- SNB75
- Daoy
- T-1
- JHH-1
- G-361
- MFH-180
- FSN1
- GI-ME-N
- IGR-37
- CAL-12T
- CAMA-1
- HUTU-80
- NOS-1
- HL-60
- LoVo
- HCC143
- SNU-398
- A375
- IA-LM
- HCC-15
- KS-1
- LC4-1
- EoL-1-cell
- SK-LMS-1
- NCI-H647
- A704
- TYK-80
- SISO
- RPML-6666
- LOUCY
- C-33-A
- CMK
- LXF-289
- CAKI-1
- SNU-123
- CHP-212
- RKO
- H318
- IM-95
- SU-DHL-8
- MFE-319
- HSC-3
- ST486
- Saos-2
- HDL.M-2
- GIP4
- HCC-44
- OCI-AML2
- MDA-MB-330
- GT3TKB
- MC16
- SF295
- PL-21

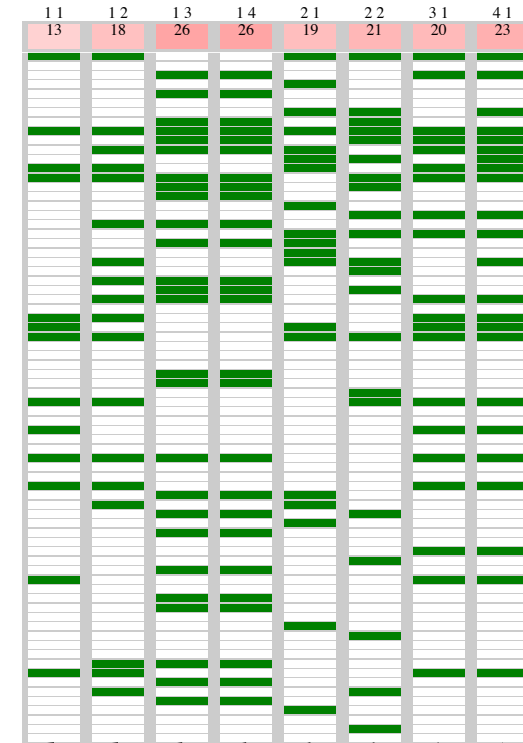
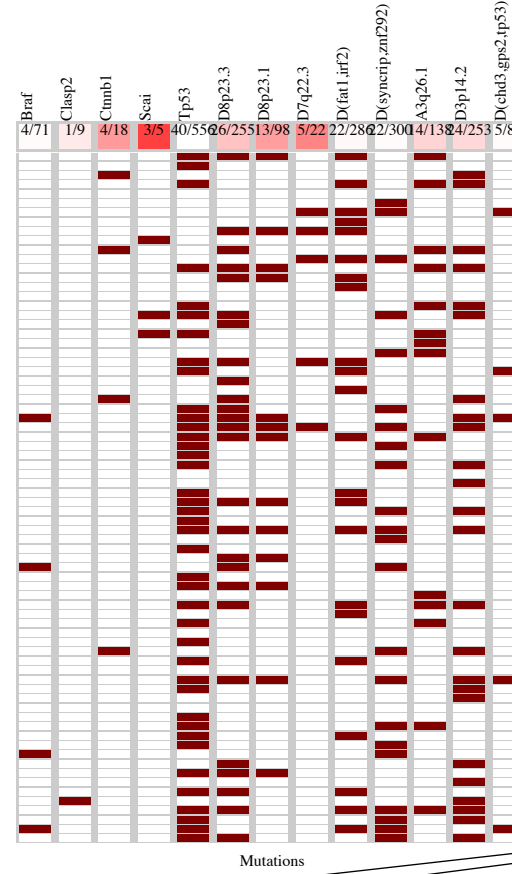
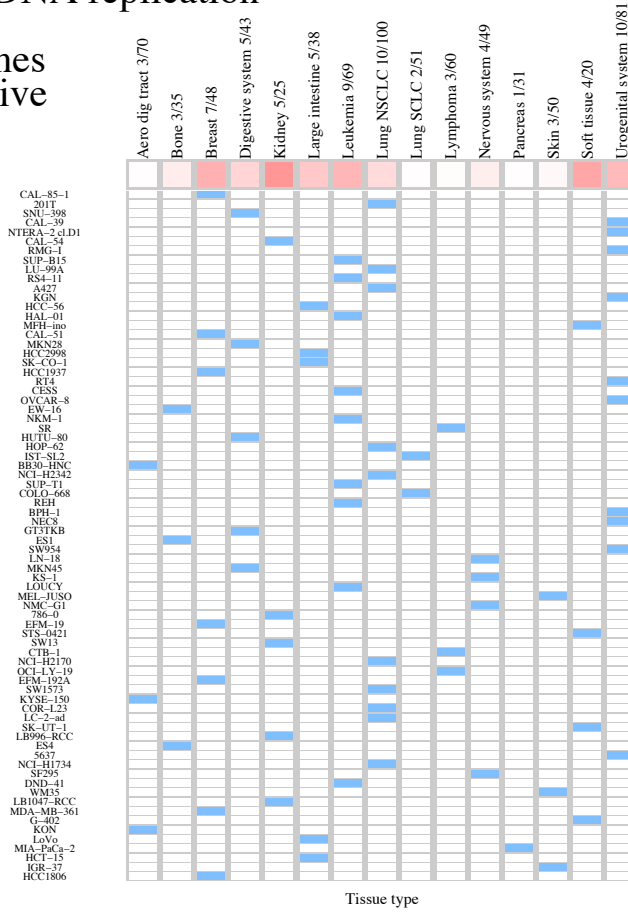
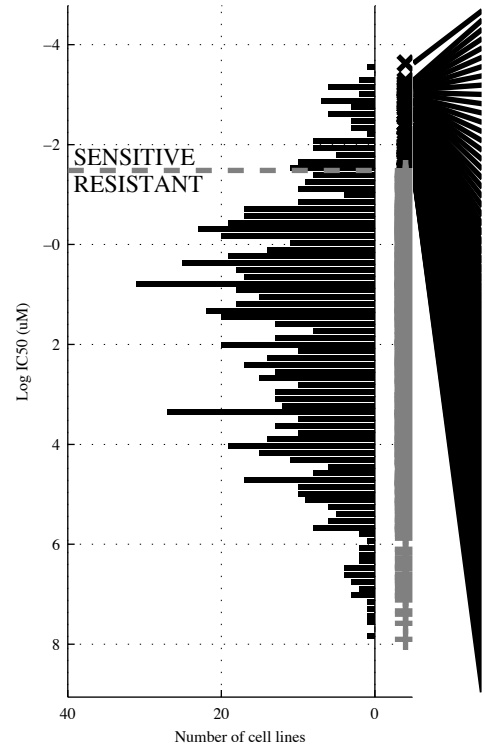


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>TET2</b>	<b>TET2 &amp;-d(RPL2)</b>	<b>-APC &amp; TET2 &amp;-d(RPL2)</b>	<b>-PTEN &amp; -TP53 &amp;-d16q23 &amp;-a(IL7R)</b>	<b>TET2   d18p11</b>	<b>[ TET2 &amp;-d(RPL2)   -d(BNC &amp; dXq28 ) ]</b>	<b>LAMA2   TET2   d18p11</b>	<b>LAMA2   TET2   d18p11   a3q27.</b>
TP   FP	5   12	5   9	5   6	18   126	13   78	16   80	17   90	22   116
Specificity	0.98	0.99	0.99	0.84	0.9	0.9	0.88	0.85
FN   TN	64   761	64   764	64   767	51   647	56   695	53   693	52   683	47   657
Precision	0.29	0.36	0.45	0.13	0.14	0.17	0.16	0.16
Recall	0.072	0.072	0.072	0.26	0.19	0.23	0.25	0.32



PANCAN  
 id: 190 name: Bleomycin  
 target: DNA damage class: DNA replication

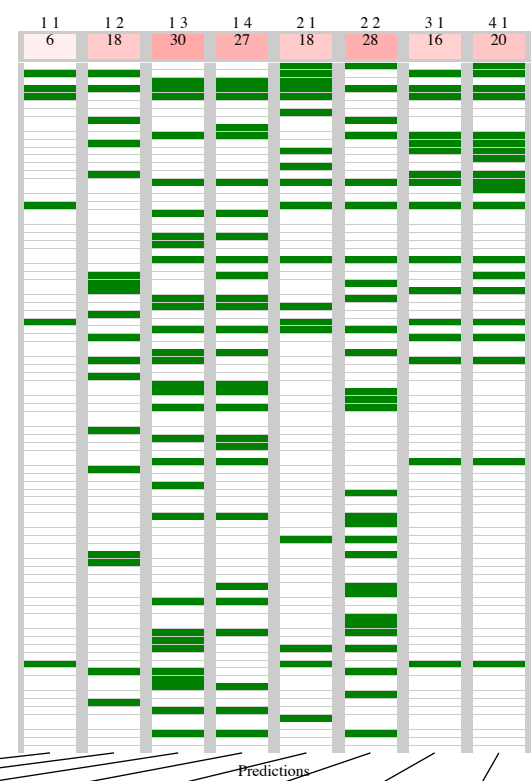
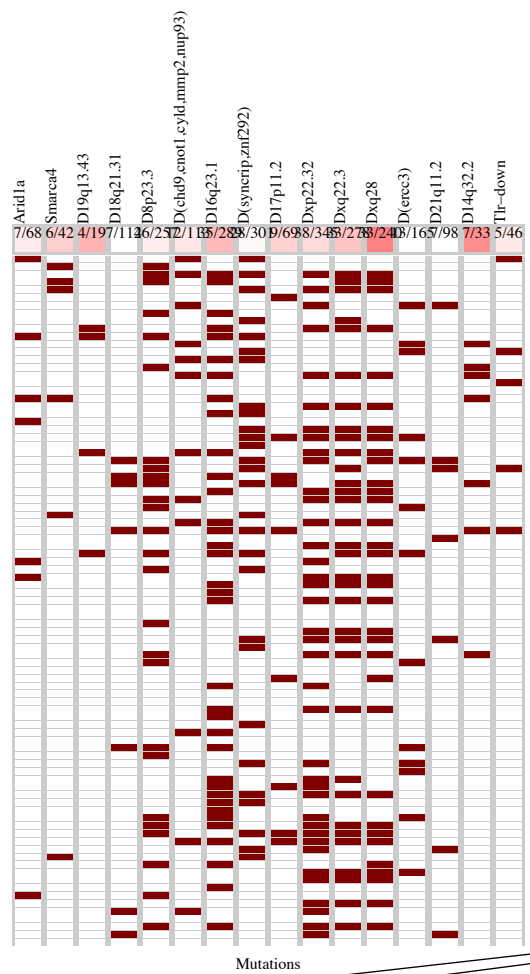
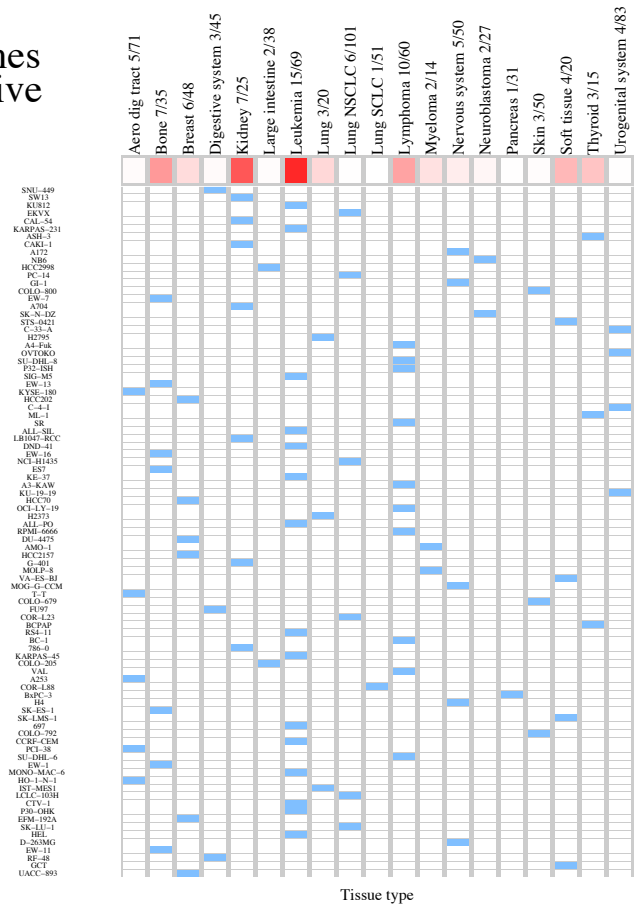
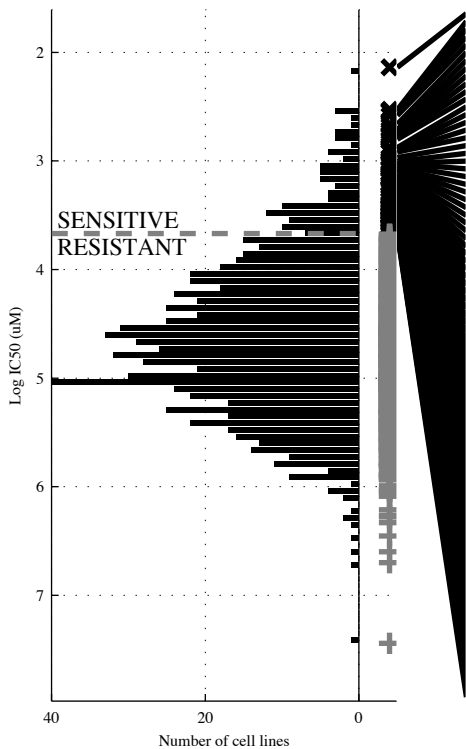
846 cell lines  
 74 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d8p23.</b>	<b>d8p23. &amp;d(SYNC)</b>	<b>-BRAF &amp; -TP53 &amp; -d(SYNC)</b>	<b>-BRAF &amp; -TP53 &amp; -d(SYNC &amp;d(CHD3)</b>	<b>d7q22.   a3q26.</b>	<b>[ -CLASP &amp; SCAI ]   [ d(FAT1 &amp; -d3p14.) ]</b>	<b>CTNNB1   SCAI   d8p23.</b>	<b>CTNNB1   SCAI   d8p23.   d7q22.</b>
TP   FP	13   85	18   129	26   137	26   122	19   140	21   154	20   97	23   109
Specificity	0.89	0.83	0.82	0.83	0.82	0.8	0.87	0.86
FN   TN	61   687	56   643	48   635	48   650	55   632	53   618	54   675	51   663
Precision	0.13	0.12	0.16	0.17	0.12	0.12	0.17	0.17
Recall	0.18	0.24	0.35	0.34	0.26	0.28	0.27	0.31

PANCAN  
 id: 192 name: LFM-A13  
 target: BTK class: other

853 cell lines  
 89 sensitive

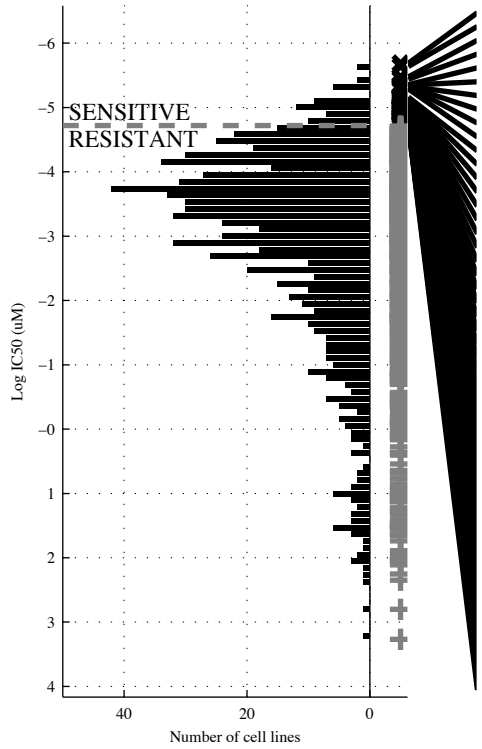


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	SMARCA	d8p23. &-dXp22.	-d18q21& dXq28 &-d21q11	-d18q21&-d17p11&dXq22. &d(ERCC	SMARCA d(CHD9	[ d16q23 &d(SYNC)   [ARID1A&TLR-DO]	SMARCA d19q13   d14q32	SMARCA d19q13   d14q32 TLR-DO
TP   FP	6   36	18   111	30   138	27   124	18   134	28   152	16   72	20   106
Specificity	0.95	0.87	0.82	0.84	0.82	0.81	0.91	0.86
FN   TN	83   728	71   653	59   626	62   640	71   630	61   612	73   692	69   658
Precision	0.14	0.14	0.18	0.18	0.12	0.14	0.18	0.16
Recall	0.067	0.18	0.34	0.3	0.2	0.28	0.18	0.22

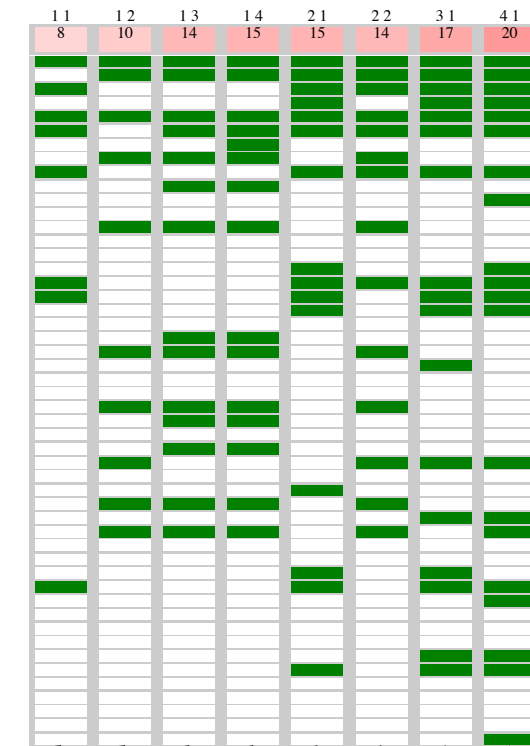
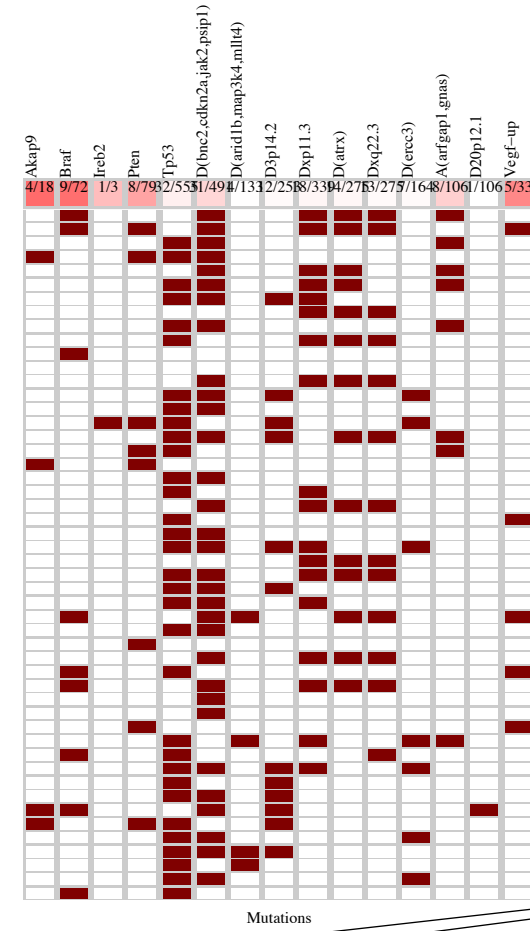
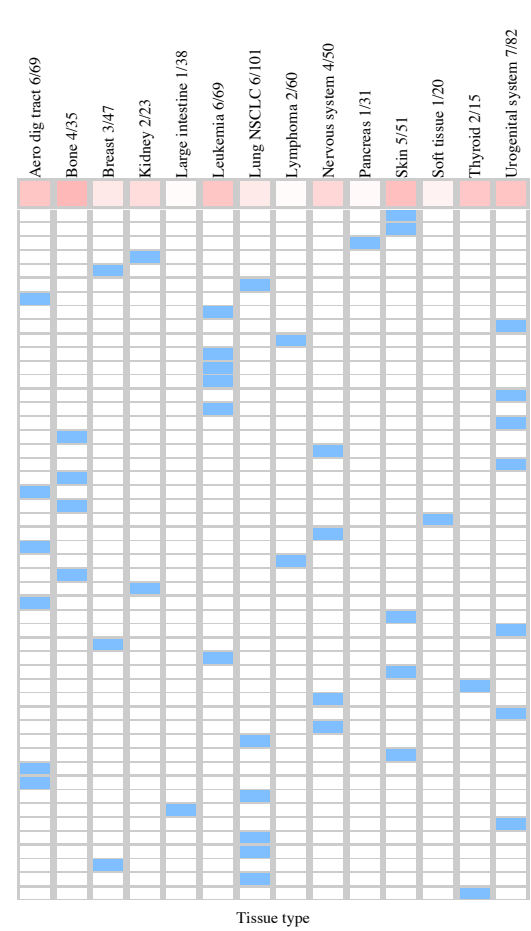


PANCAN  
 id: 194 name: AUY922  
 target: HSP90 class: other

845 cell lines  
 50 sensitive



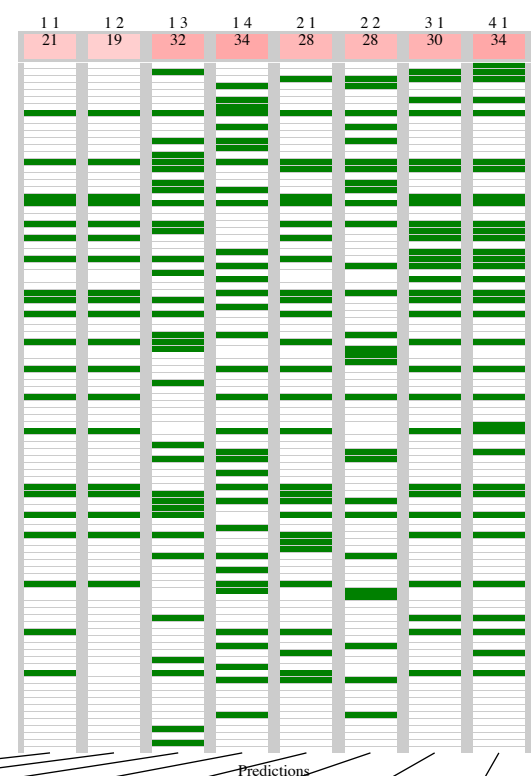
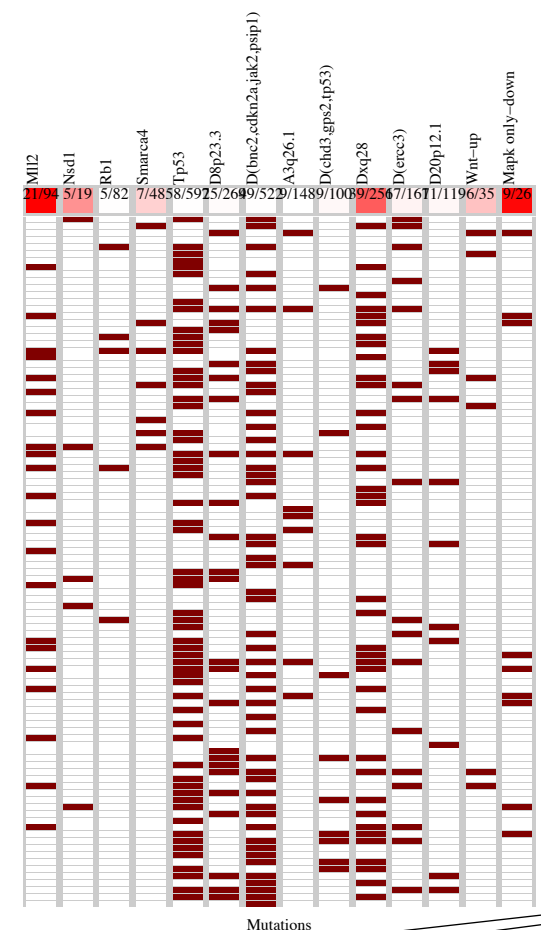
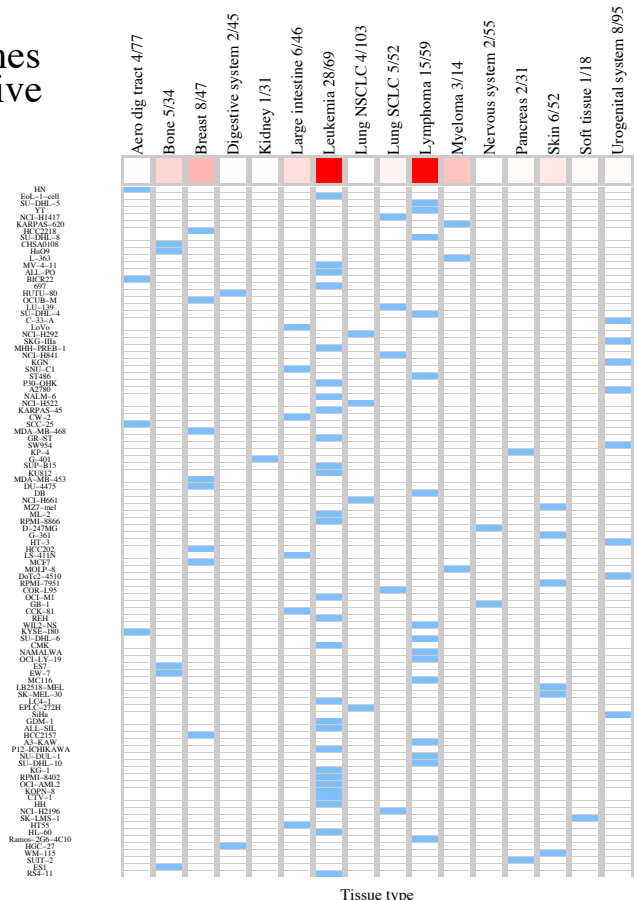
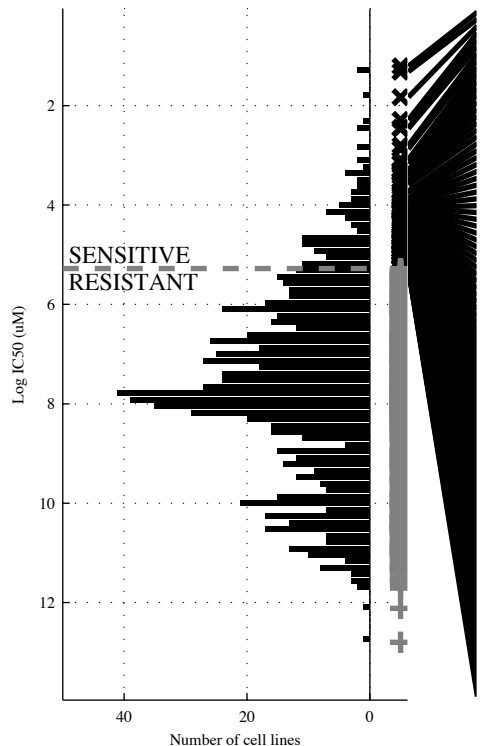
- HT-144
- WM793B
- PSN1
- 786-0
- MCF7
- NCL-H122
- TE-8
- MV-4-11
- SW1710
- WIL2-NS
- SIG-M5
- GDM-1
- NKM-1
- RT-112
- CMK
- 639-V
- HOS
- SW1783
- SNG-M
- ES6
- HSC-3
- ES4
- Hs633T
- Daoy
- HSC-2
- RPMI-6666
- EW-16
- RXF393
- TE-15
- HMV-II
- SK-OV-3
- CAL-51
- NALM-6
- IST-MEL1
- IHH-4
- KS-1
- KGN
- CCF-STG1
- HCC-44
- RPMI-7951
- JHU-029
- BB30-HNC
- LC-2-ad
- RKO
- AN3-CA
- 201T
- NCL-H1975
- CAL-85-1
- NCL-H1299
- 8505C



Model name	11	12	13	14	21	22	31	41
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	a(ARFG)	<b>-TP53 &amp; d(ATRX)</b>	<b>-d3p14. &amp; dXp11. &amp; -d(ERCC)</b>	<b>-d(ARID &amp; dXp11. &amp; -d(ERC &amp; -d20p12)</b>	<b>PTEN   a(ARFG)</b>	<b>[ d(BNC2 &amp; a(ARFG)  </b>	<b>AKAP9   a(ARFG)  </b>	<b>AKAP9   BRAF  </b>
TP   FP	8   98	10   103	14   159	15   159	15   159	14   155	17   133	20   159
Specificity	0.88	0.87	0.82	0.8	0.8	0.86	0.83	0.8
FN   TN	42   697	40   692	36   636	35   636	35   636	36   640	33   662	30   636
Precision	0.075	0.088	0.086	0.086	0.086	0.1	0.11	0.11
Recall	0.16	0.2	0.26	0.3	0.3	0.22	0.34	0.4

PANCAN  
 id: 196 name: Phenformin  
 target: AAPK1 (AMPK) agonist class: metabolism

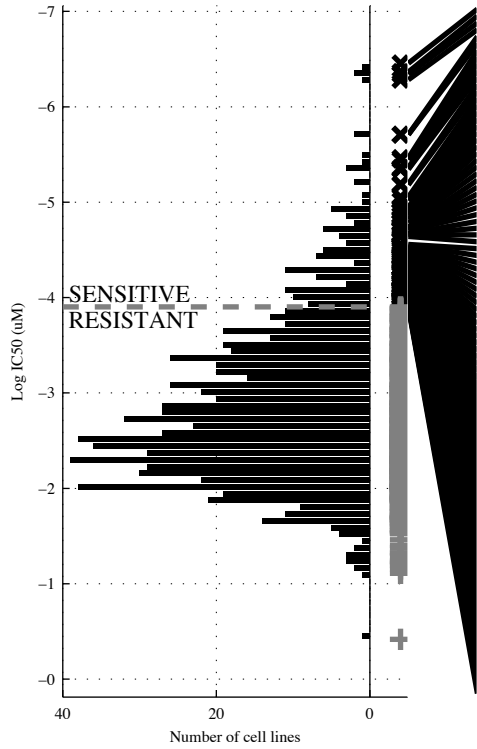
892 cell lines  
 100 sensitive



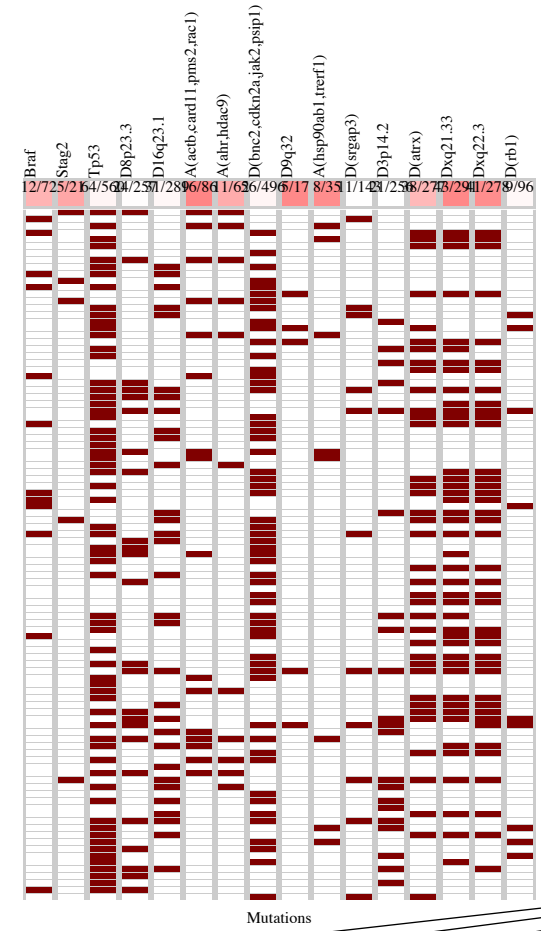
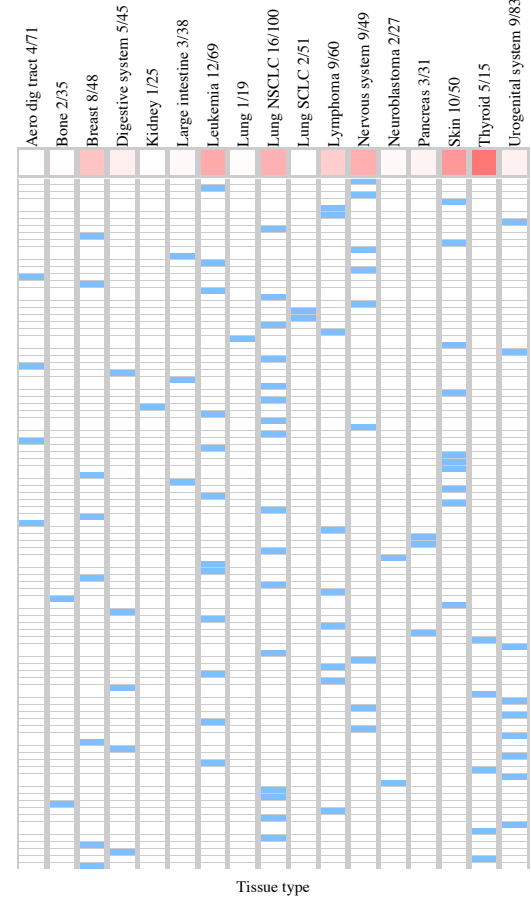
Model name		1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula		<b>MLL2</b>		<b>MLL2 &amp;d(ERCC)</b>		<b>-d(CHD&amp; dXq28 &amp; -d20p12</b>		<b>-RB1 &amp;-d8p23.&amp; -d(BNC&amp;-a3q26.</b>		<b>MLL2  MAPK o</b>		<b>[ -TP53 &amp;d(BNC2]   [-d(BNC&amp; dXq28 ]</b>		<b>MLL2 SMARCA</b>		<b>MLL2   NSD1   SMARCAWnt-UP</b>	
TP	FP	21	73	19	56	32	133	34	154	28	89	28	132	30	127	34	133
FN	TN	79	719	81	736	68	659	66	638	72	703	72	660	70	665	66	659
Specificity		0.91		0.93		0.83		0.82		0.89		0.83		0.84		0.83	
Precision		0.22		0.25		0.19		0.19		0.24		0.16		0.19		0.2	
Recall		0.21		0.19		0.32		0.33		0.28		0.26		0.3		0.34	

PANCAN  
id: 197 name: Bryostatin 1  
target: PRKC class: other

850 cell lines  
101 sensitive



MOE-G-UWV  
SNU-1  
HOP-8  
SNU-16  
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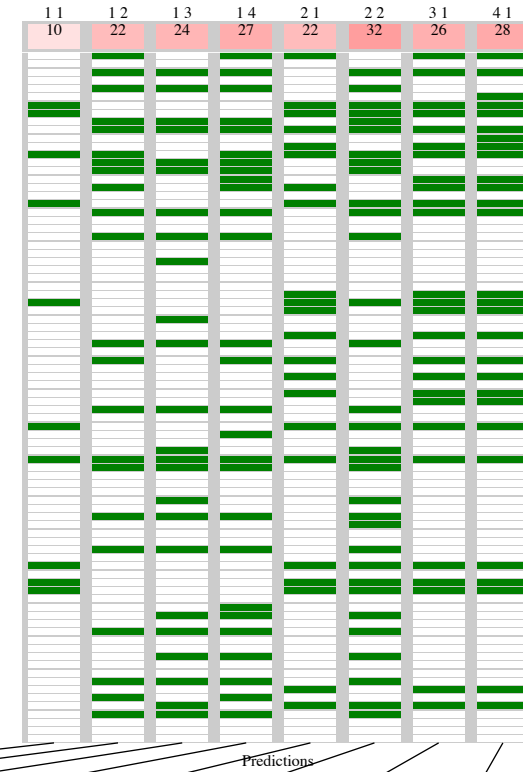
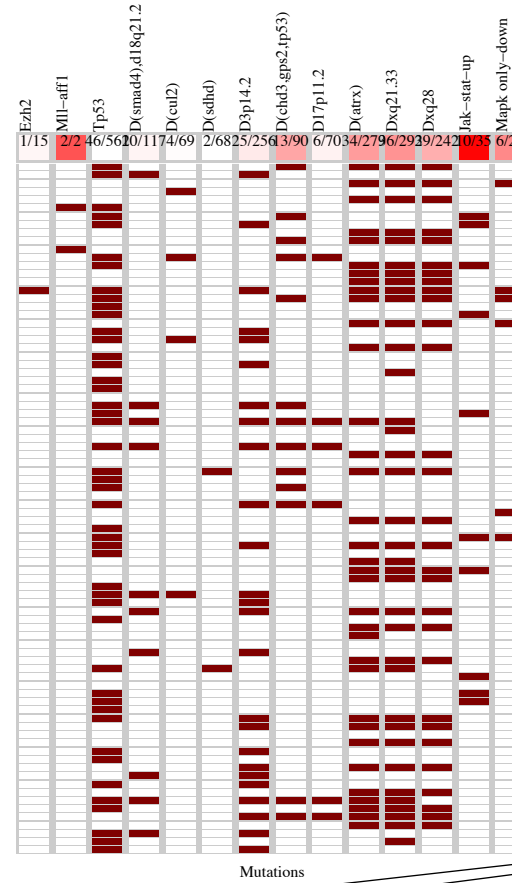
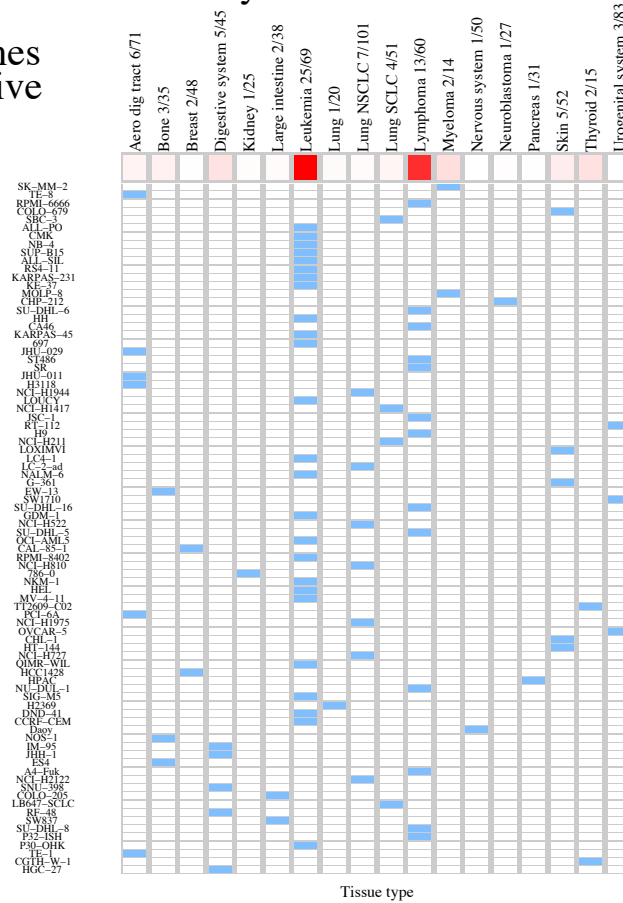
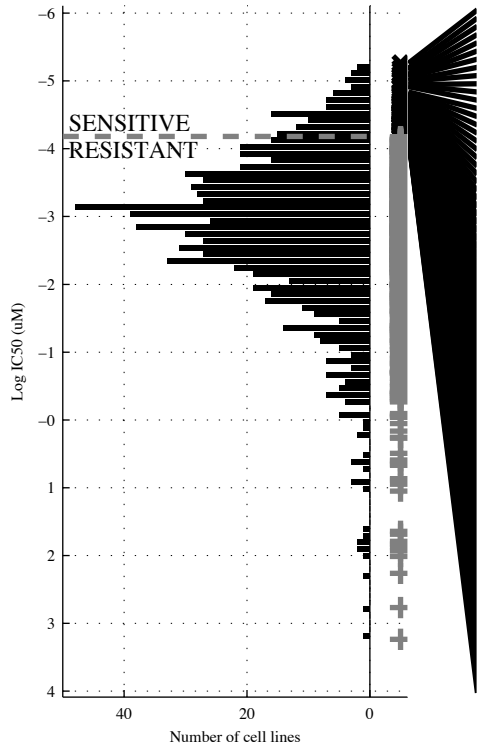


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>BRAF</b>	<b>~d16q23 &amp; dXq21.</b>	<b>~d16q23 &amp; d(SRGA) &amp; dXq21.</b>	<b>~d8p23. &amp; ~d3p14. &amp; dXq22. &amp; ~d(RB1)</b>	<b>BRAF   a(ACTB)</b>	<b>[ ~TP53 &amp; d(ATRX)   a(AHR, &amp; d(BNC2)]</b>	<b>BRAF   a(ACTB)   d9q32</b>	<b>BRAF   STAG2   d9q32   a(HSP9)</b>
TP   FP	12   60	30   137	30   110	27   84	27   126	31   110	32   136	30   111
Specificity	0.92	0.82	0.86	0.86	0.83	0.88	0.82	0.85
FN   TN	89   689	71   612	71   639	74   665	74   623	70   639	69   613	71   638
Precision	0.17	0.18	0.22	0.2	0.18	0.22	0.19	0.21
Recall	0.12	0.3	0.29	0.26	0.27	0.25	0.32	0.3



PANCAN  
 id: 200 name: LAQ824  
 target: HDAC class: chromain histone acetylation

855 cell lines  
 84 sensitive

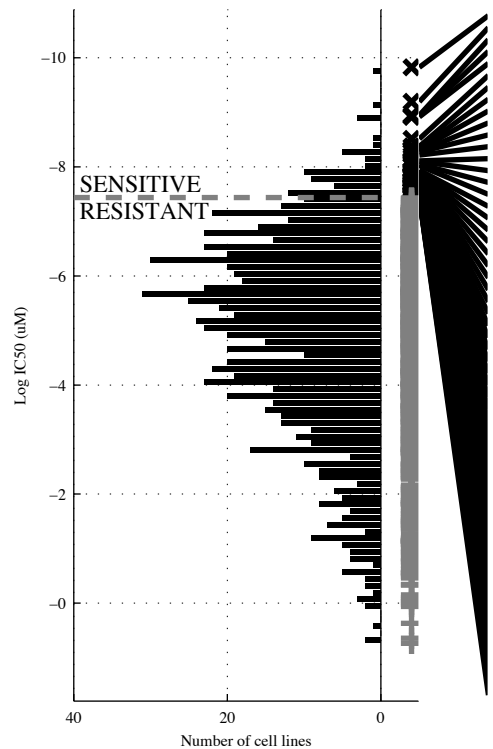


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>JAK-ST</b>	<b>-d3p14.&amp; dXq28</b>	<b>-TP53 &amp;d(SDHI&amp; dXq21.</b>	<b>-d(SMAI&amp;d(CUL&amp; -d17p11&amp; dXq28</b>	<b>d(CHD3 JAK-ST</b>	<b>[ -TP53 &amp;d(ATRX)   [ -EZH2&amp;JAK-ST]</b>	<b>d(CHD3 JAK-ST  MAPK o</b>	<b>MLL-AF d(CHD3  JAK-ST MAPK o</b>
TP   FP Specificity	10   25 0.97	22   127 0.84	24   71 0.91	27   113 0.85	22   96 0.88	32   105 0.86	26   111 0.86	28   111 0.86
FN   TN Precision	74   746 0.29	62   644 0.15	60   700 0.25	57   658 0.19	62   675 0.19	52   666 0.23	58   660 0.19	56   660 0.2
Recall	0.12	0.26	0.29	0.32	0.26	0.38	0.31	0.33

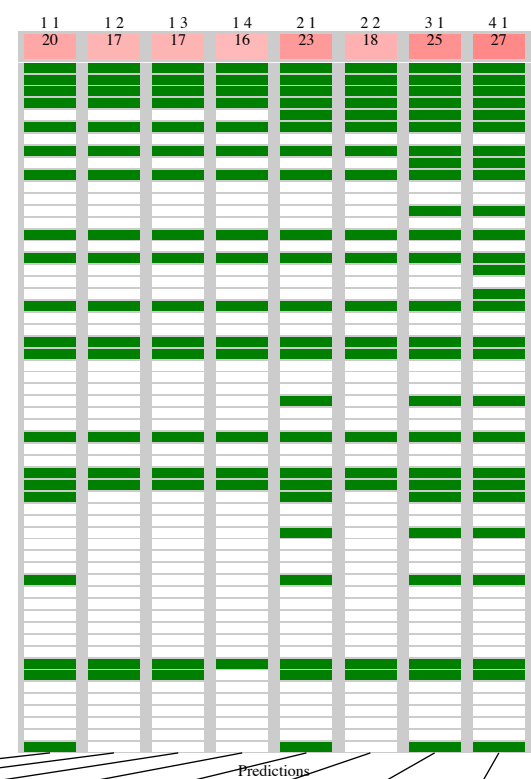
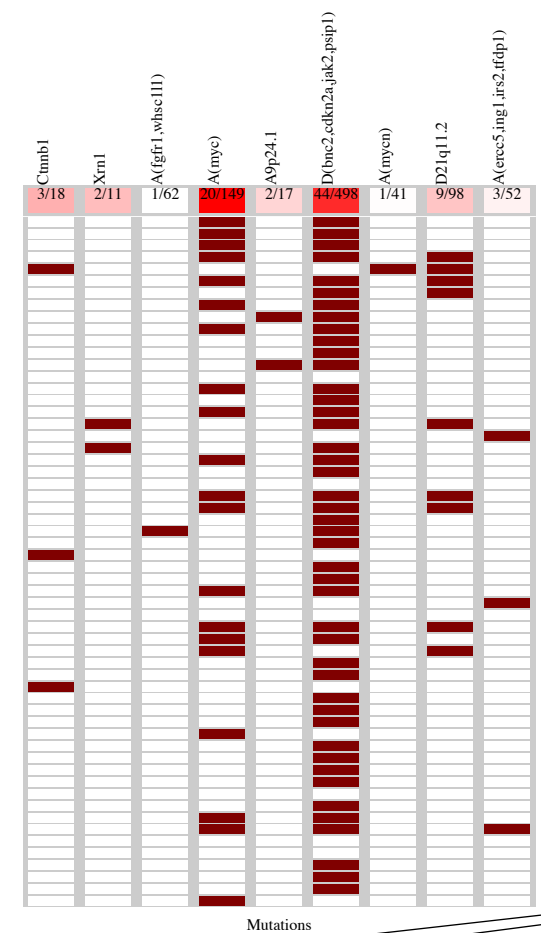
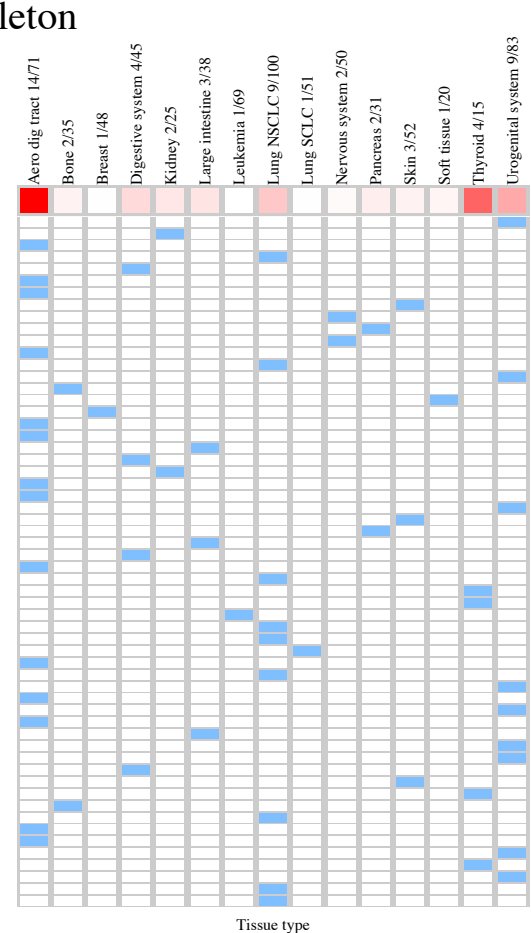


PANCAN  
 id: 201 name: Epothilone B  
 target: Microtubules class: cytoskeleton

854 cell lines  
 58 sensitive



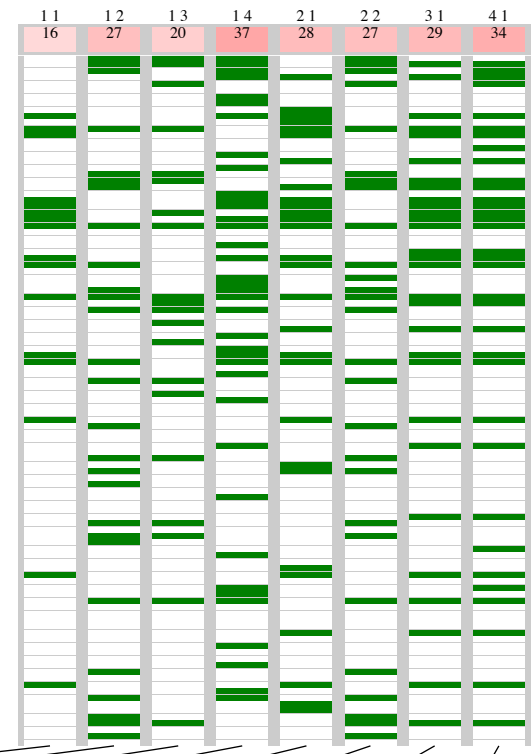
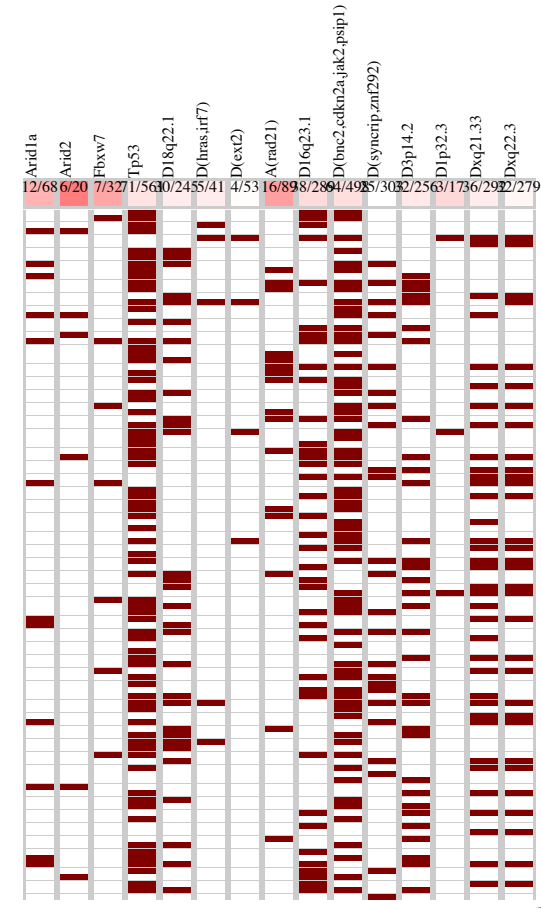
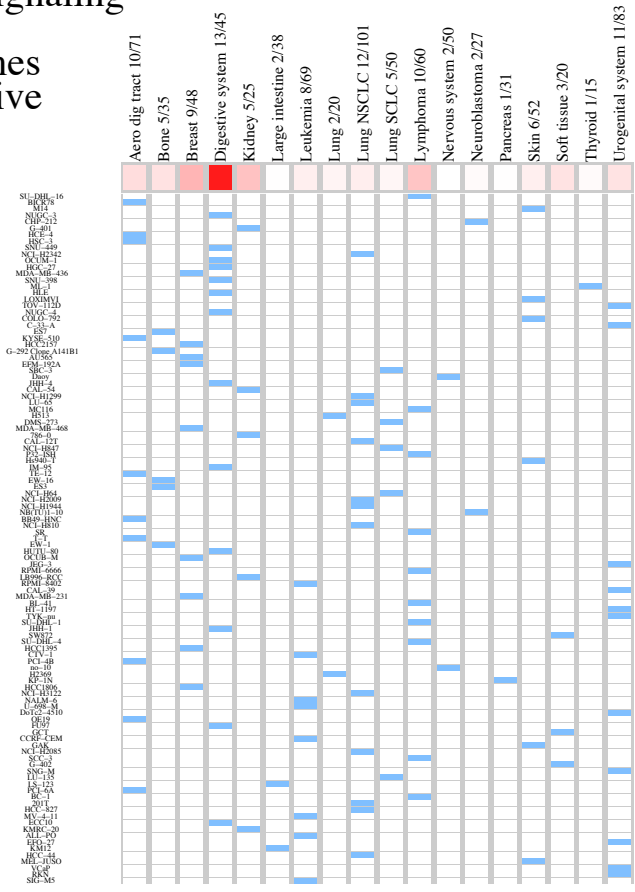
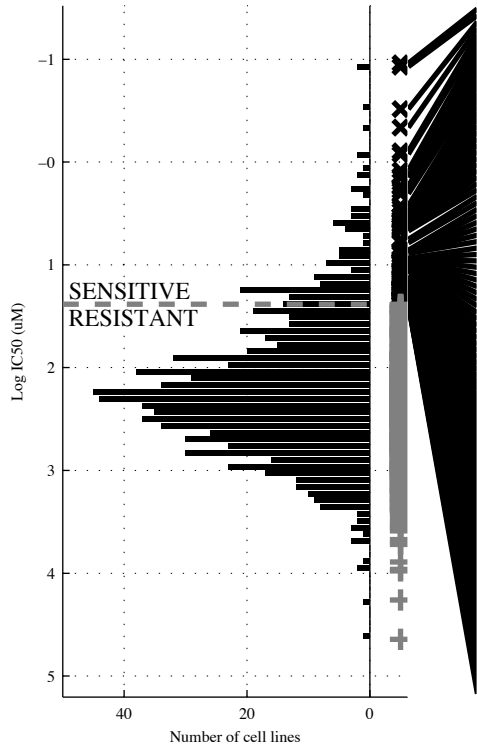
- SW1710
- 786-0
- KYSE-510
- LC2-ad
- SNU-398
- TE-8
- TE-15
- A431
- Daoy
- PSN1
- GB-1
- KON
- LCLC-103H
- 639-V
- MG-63
- MFH-ino
- MCF7
- PCI-6A
- JHU-011
- RKO
- HGC-27
- VMRC-RCZ
- T-1
- KYSE-450
- BFTC-905
- A375
- PANC-03-27
- T84
- HUTU-80
- HSC-2
- CAL-12T
- IHH-4
- TT2609-C02
- SIG-M5
- NCI-H2122
- 2011
- LU-135
- PCI-4B
- NCI-H2228
- SNG-M
- BHY
- SW954
- KYSE-270
- HT-29
- KGN
- CAL-39
- HLE
- COLO-679
- 8505C
- ES1
- LCLC-07TM1
- KYSE-50
- BB30-HNC
- AN3-CA
- CAL-62
- BPH-1
- IA-LM
- HCC-44



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a(MYC)</b>	<b>a(MYC)&amp;d(BNC2)</b>	<b>¬a(FGFR)&amp;a(MYC)&amp;d(BNC2)</b>	<b>¬a(FGFR)&amp;a(MYC)&amp;d(BNC2)&amp;a(ERCC)</b>	<b>CTNNB1 a(MYC)</b>	<b>[a(MYC)&amp;d(BNC2)] a(MYCN&amp;d21q11]</b>	<b>CTNNB1 a(MYC) a9p24.</b>	<b>CTNNB1 XRN1 a(MYC) a9p24.</b>
TP   FP	20   129	17   69	17   57	16   48	23   143	18   73	25   152	27   158
Specificity	0.84	0.91	0.93	0.94	0.82	0.87	0.81	0.8
FN   TN	38   667	41   727	41   739	42   748	35   653	40   723	33   644	31   638
Precision	0.13	0.2	0.23	0.25	0.14	0.17	0.14	0.15
Recall	0.34	0.29	0.29	0.28	0.4	0.33	0.43	0.47

PANCAN  
 id: 202 name: GSK-1904529A  
 target: IGF1R class: IGFR signaling

854 cell lines  
 107 sensitive



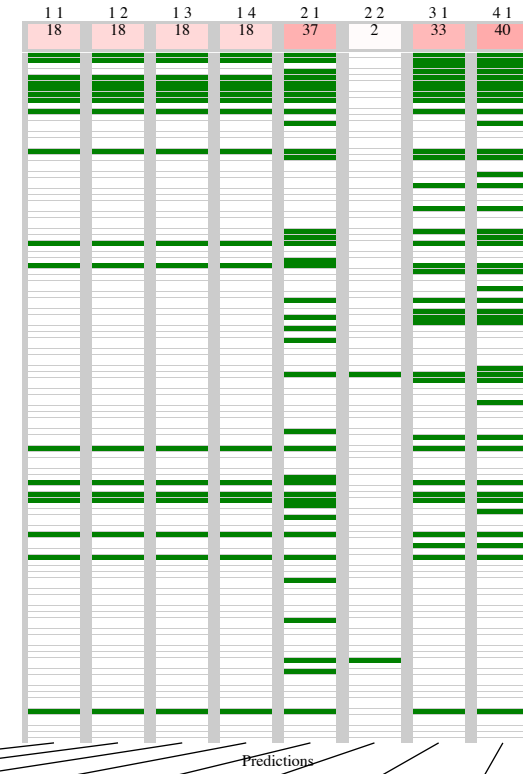
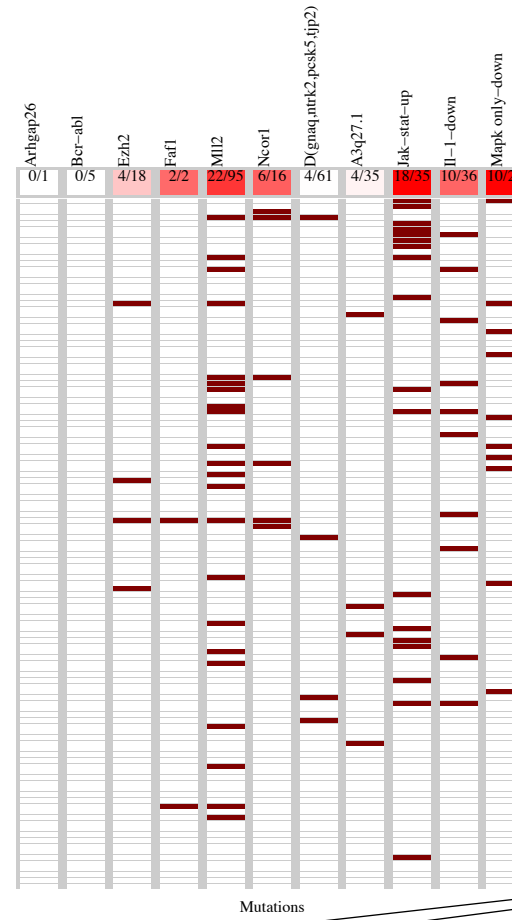
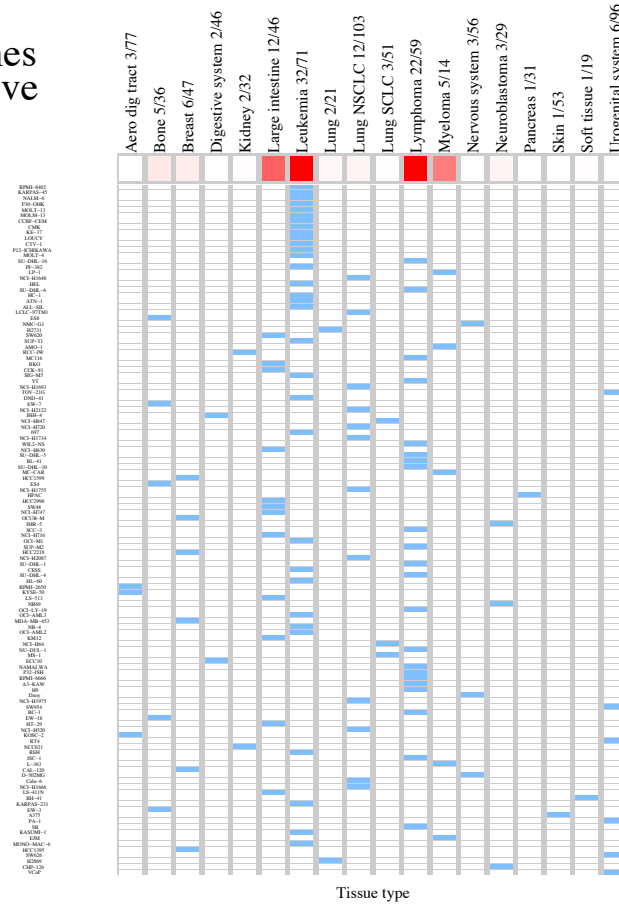
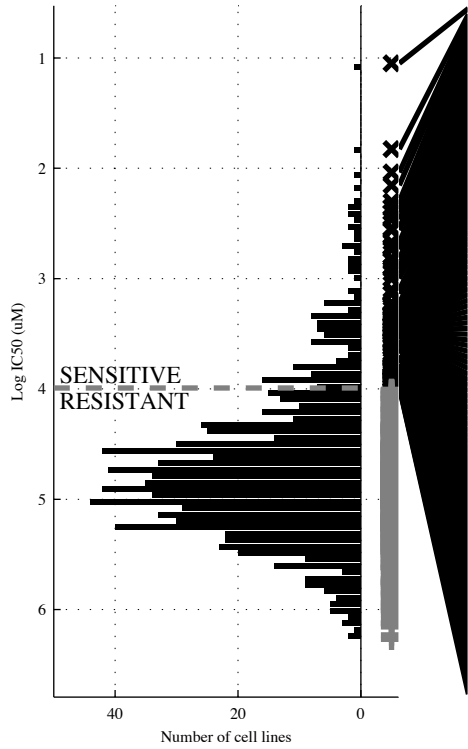
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	a(RAD2)	d16q23 & ~dXq22.	~d18q22 & d16q23 & d(BNC2)	TP53 & d(SYN) & ~d3p14 & ~dXq21.	ARID1A   a(RAD2)	[ d16q23 & ~dXq21. ]   [ d(EXT2 & d1p32. ) ]	ARID2   FBXW7   a(RAD2)	ARID2   FBXW7   d(HRAS   a(RAD2)
TP   FP	16   73	27   144	20   80	37   149	28   124	27   145	29   106	34   140
FN   TN	91   674	80   603	87   667	70   598	79   623	80   602	78   641	73   607
Specificity	0.9	0.81	0.88	0.8	0.83	0.8	0.86	0.81
Precision	0.18	0.16	0.2	0.2	0.18	0.16	0.21	0.2
Recall	0.15	0.25	0.2	0.35	0.26	0.25	0.27	0.32





PANCAN  
 id: 205 name: BMS-708163  
 target: g-secretase class: other

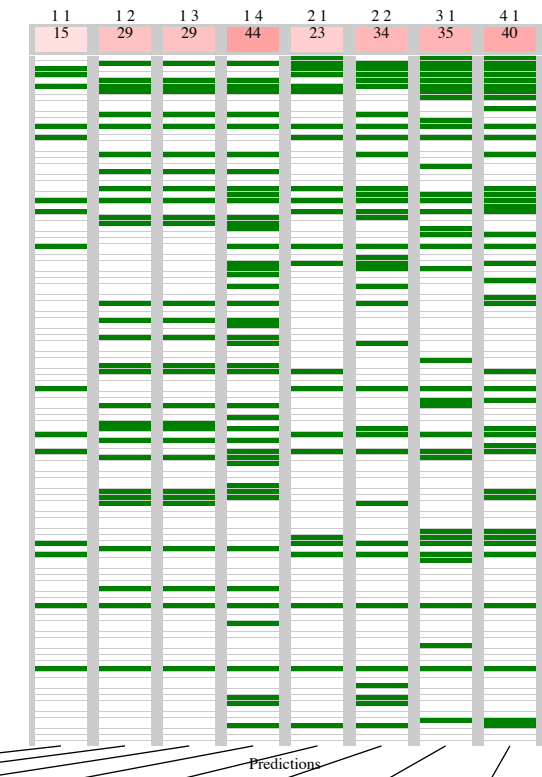
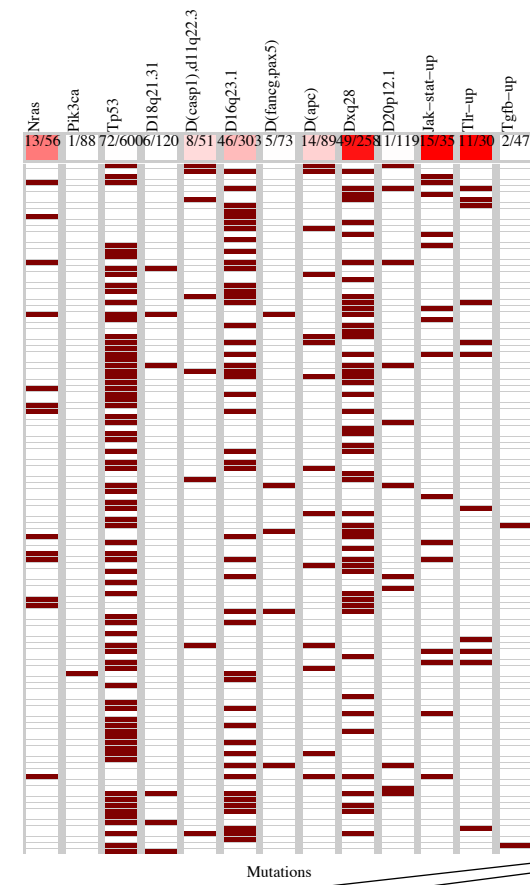
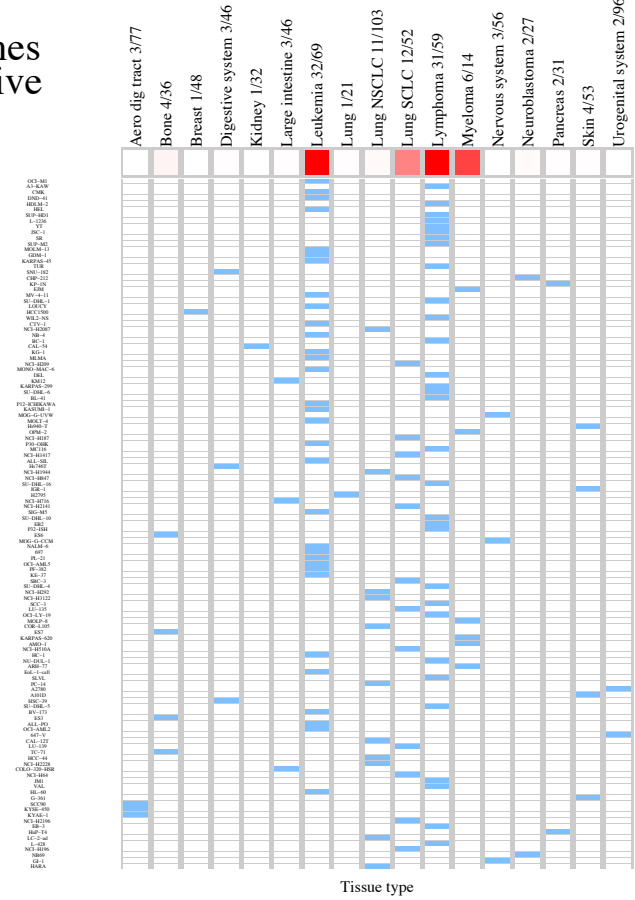
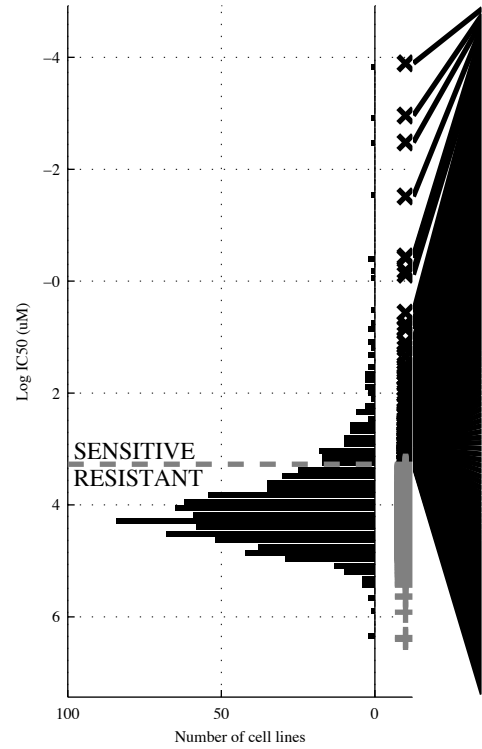
902 cell lines  
 121 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>JAK-ST</b>	<b>-EZH2&amp;JAK-ST</b>	<b>-EZH2&amp;d(GNAQ)</b> <b>JAK-ST</b>	<b>-BCR-ABL</b> <b>-EZH2&amp;</b> <b>-d(GNAQ)</b> <b>JAK-ST</b>	<b>MLL2</b> <b>!JAK-ST</b>	<b>[ ARHGAP &amp; a3q27. ]</b> <b>!</b> <b>[ FAF1 &amp; ]</b>	<b>NCOR1</b> <b>!JAK-ST</b> <b>MAPK o</b>	<b>NCOR1</b> <b>!JAK-ST</b> <b>IL-1-D</b> <b>!MAPK o</b>
TP   FP	18   17	18   14	18   11	18   9	37   90	2   0	33   43	40   66
Specificity	0.98	0.98	0.99	0.99	0.88	1	0.94	0.92
FN   TN	103   764	103   767	103   770	103   772	84   691	119   781	88   738	81   715
Precision	0.51	0.56	0.62	0.67	0.29	1	0.43	0.38
Recall	0.15	0.15	0.15	0.15	0.31	0.0083	0.27	0.33

PANCAN  
 id: 206 name: Ruxolitinib  
 target: JAK1, JAK2, TYK2 class: other

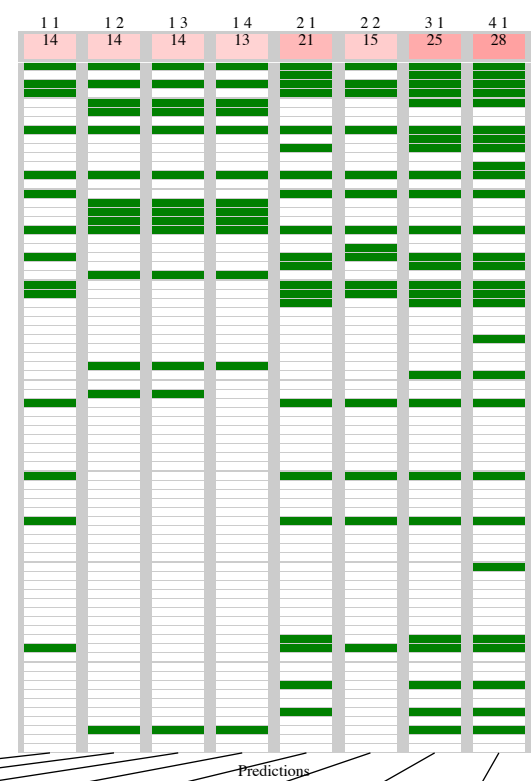
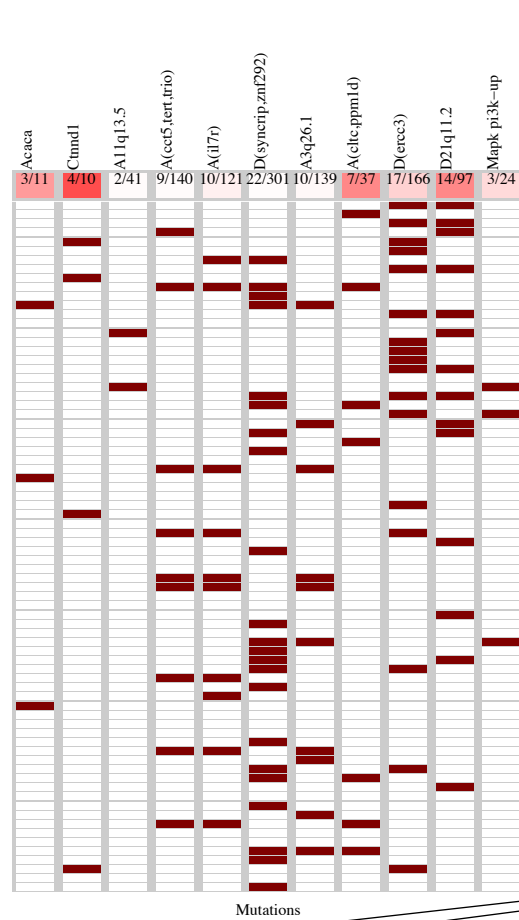
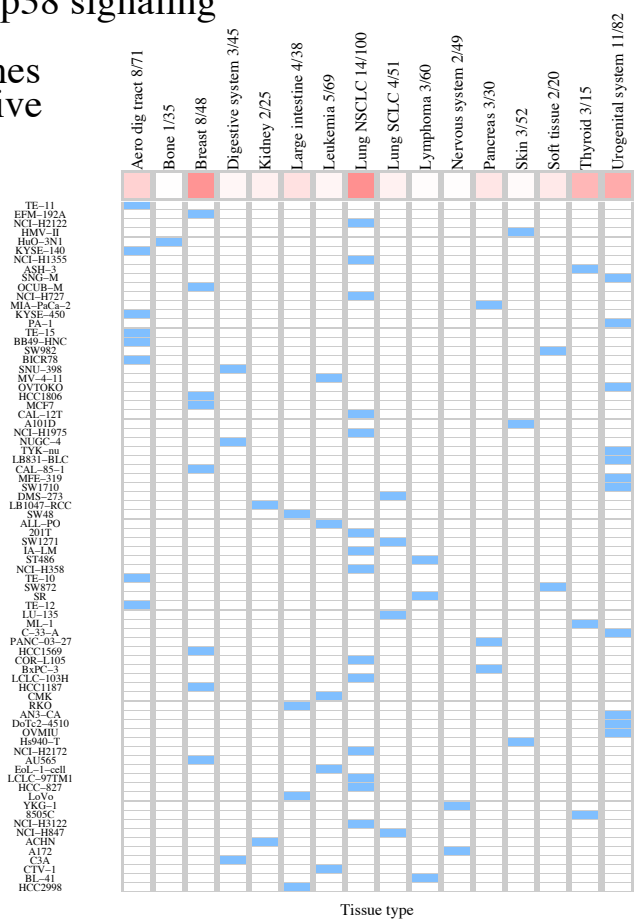
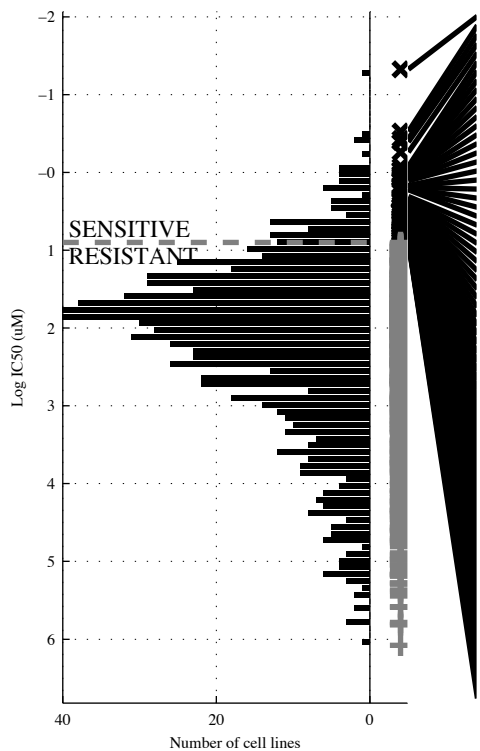
902 cell lines  
 121 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>JAK-ST</b>	<b>-TP53 &amp; dXq28</b>	<b>-TP53 &amp; dXq28 &amp; -TGFB-U</b>	<b>-PIK3C&amp;-d18q21&amp; -d(FAN&amp; dXq28</b>	<b>d(CASP JAK-ST</b>	<b>[ -d20p12&amp;JAK-ST ]   [ d16q23 &amp; dXq28 ]</b>	<b>d(APC)  JAK-ST  TLR-UP</b>	<b>NRAS   d(CASP  JAK-ST TLR-UP</b>
TP   FP	15   20	29   81	29   71	44   122	23   63	34   97	35   109	40   108
FN   TN	106   761	92   700	92   710	77   659	98   718	87   684	86   672	81   673
Specificity	0.97	0.9	0.91	0.88	0.92	0.91	0.86	0.86
Precision	0.43	0.26	0.29	0.29	0.27	0.33	0.24	0.27
Recall	0.12	0.24	0.24	0.31	0.19	0.23	0.29	0.33

PANCAN  
 id: 207 name: AS601245  
 target: JNK class: JNK and p38 signaling

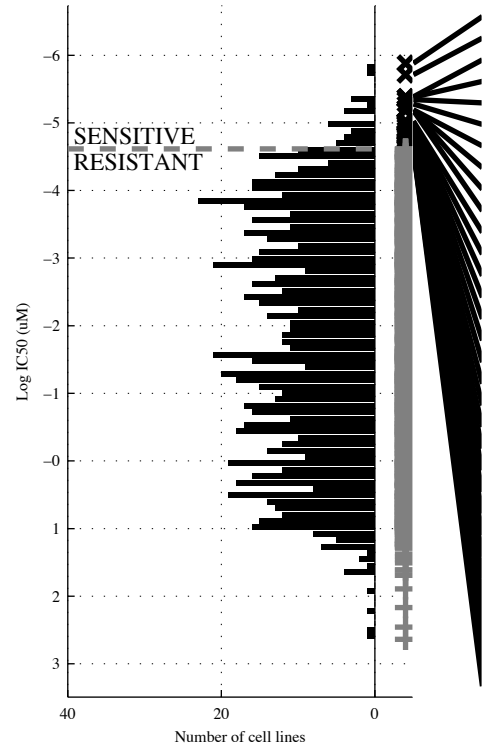
851 cell lines  
 76 sensitive



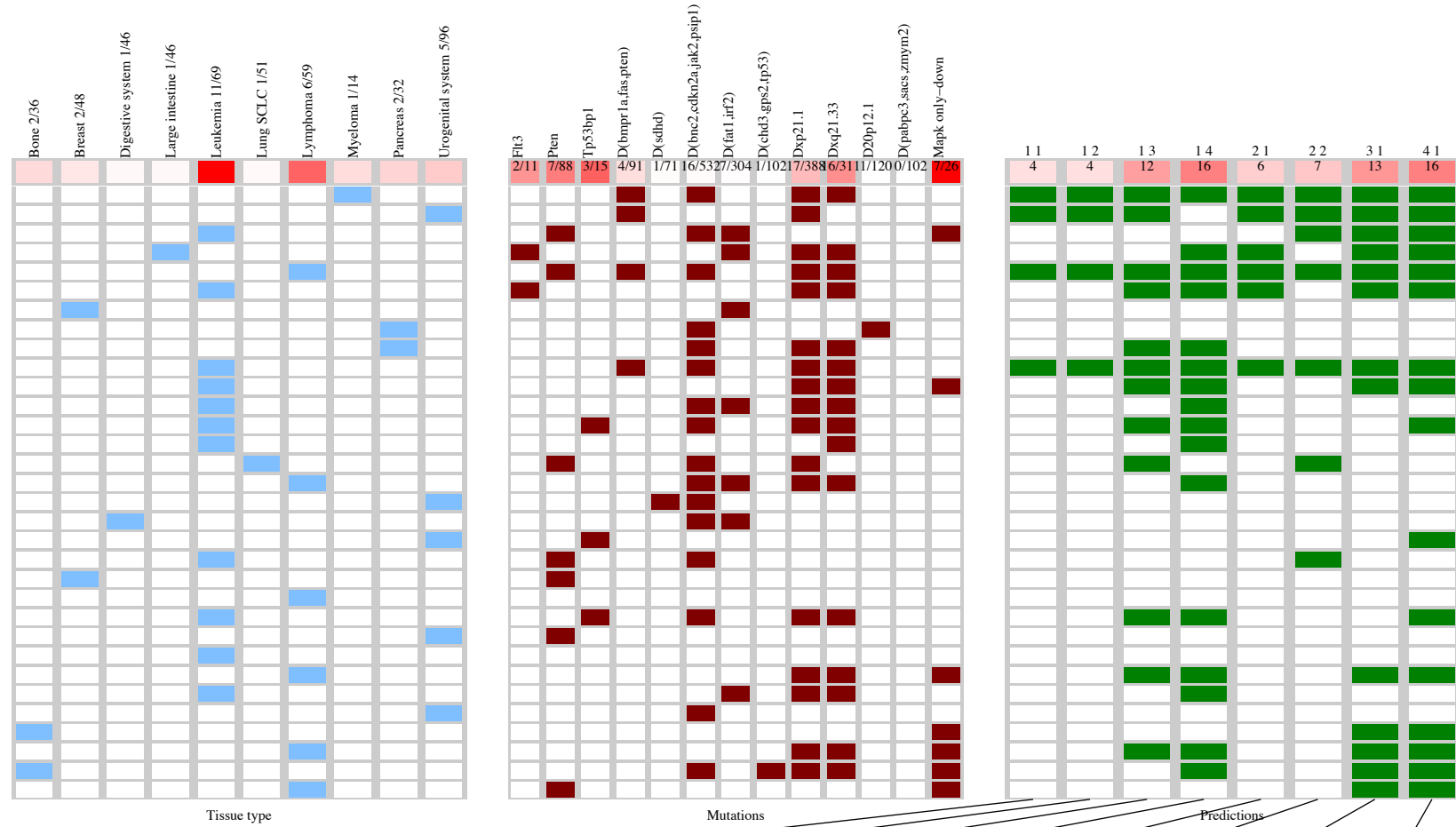
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d21q11</b>	<b>~d(SYNC&amp;d(ERCC</b>	<b>~d(SYNC&amp;~a3q26.&amp;</b>	<b>~a(CCT&amp;d(SYNC&amp;</b>	<b>a(CLTC  d21q11</b>	<b>[ a11q13&amp;MAPK P]</b>	<b>CTNND1  a(CLTC </b>	<b>ACACA CTNND1 </b>
			<b>d(ERCC</b>	<b>~a3q26.&amp;d(ERCC</b>		<b>[ ~a(IL7R&amp; d21q11 ]</b>	<b>d21q11</b>	<b>a(CLTC  d21q11</b>
TP   FP Specificity	14   83 0.89	14   85 0.89	14   67 0.91	13   49 0.85	21   110 0.86	15   68 0.88	25   116 0.85	28   122 0.85
FN   TN Precision	62   692 0.14	62   690 0.14	62   708 0.17	63   726 0.17	55   665 0.16	61   707 0.16	51   659 0.18	48   653 0.19
Recall	0.18	0.18	0.18	0.28	0.28	0.22	0.33	0.36

PANCAN  
 id: 208 name: SB-715992  
 target: KIF11 class: mitosis

902 cell lines  
 32 sensitive



- MOLP-8
- TOV-112D
- RPMI-8402
- HCT-116
- SU-DHL-10
- MV-4-11
- HCC1954
- KP-4
- KP-1N
- KE-37
- 697
- SUP-B15
- CTV-1
- ATN-1
- NCI-H847
- SR
- SW954
- GT3TKB
- PA-1
- PF-382
- MDA-MB-468
- Hs-445
- NALM-6
- SNG-M
- LOUCY
- SU-DHL-6
- KU812
- SK-OV-3
- ES7
- RPMI-6666
- EW-1
- SU-DHL-5

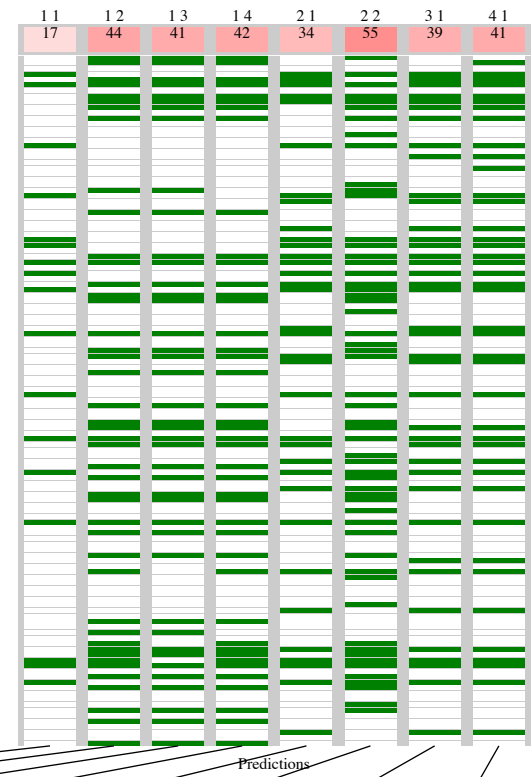
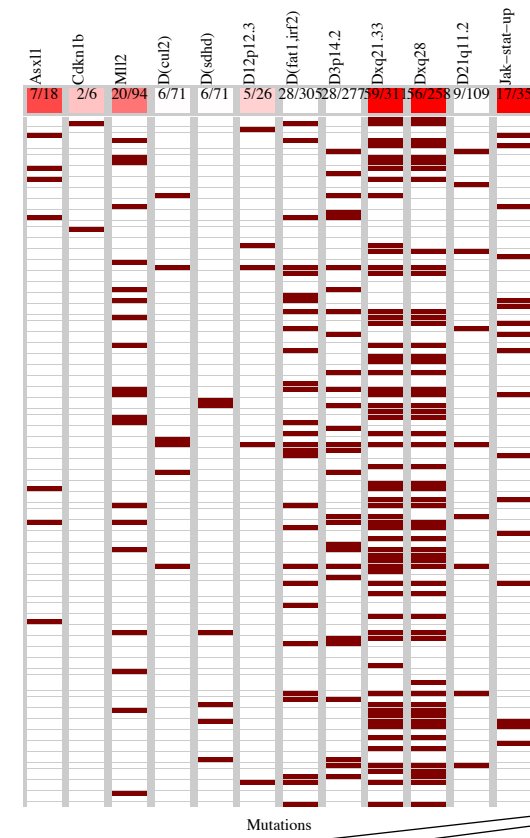
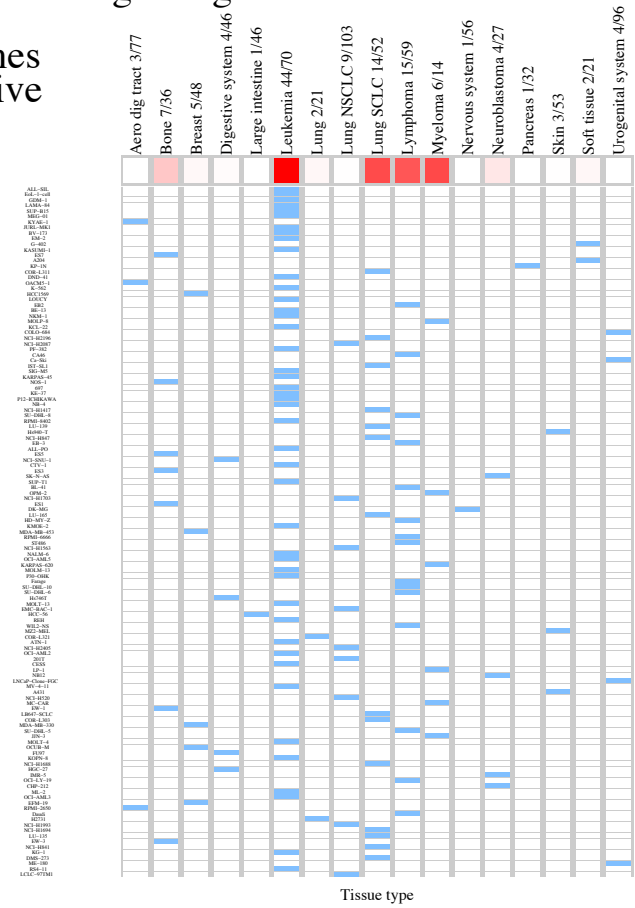
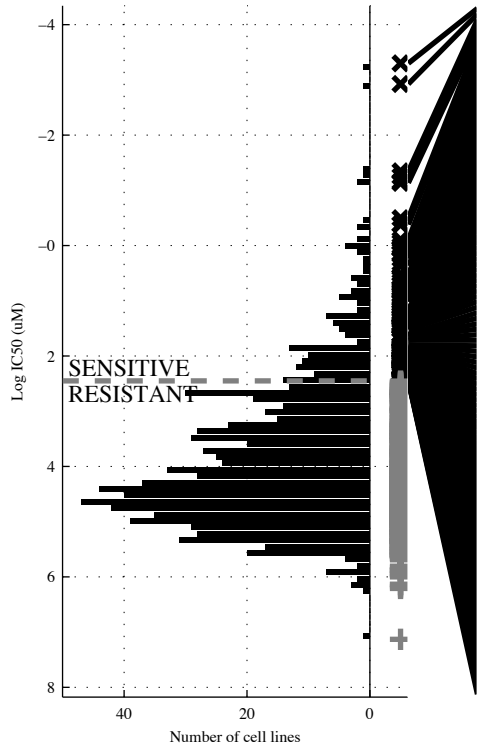


Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	1		1		1		1		2		2		3		4	
M	1		2		3		4		1		2		1		1	
Logic formula	<b>d(BMPR)</b>		<b>d(BMPR)&amp;d(FAT1)</b>		<b>d(FAT1)&amp;d(CHD3)</b>		<b>d(SDHI)&amp;d(Xq21.33)</b>		<b>FLT3  d(BMPR)</b>		<b>[d(BMPR)&amp;d(FAT1)]   [PTEN &amp;d(BNC2)]</b>		<b>FLT3  d(BMPR)</b>		<b>FLT3  TP53BP1</b>	
TP   FP	4   87	0.9	4   44	0.95	12   174	0.8	16   168	0.81	6   94	0.89	7   76	0.89	13   110	0.87	16   119	0.86
FN   TN	28   783	0.044	28   826	0.083	20   696	0.065	16   702	0.087	26   776	0.06	25   794	0.11	19   760	0.11	16   751	0.12
Specificity	0.9		0.95		0.8		0.81		0.89		0.89		0.87		0.86	
Precision	0.044		0.083		0.065		0.087		0.06		0.11		0.11		0.12	
Recall	0.13		0.13		0.38		0.5		0.19		0.31		0.41		0.5	



PANCAN  
 id: 211 name: TL-2-105  
 target: CRAF class: ERK MAPK signaling

904 cell lines  
 125 sensitive

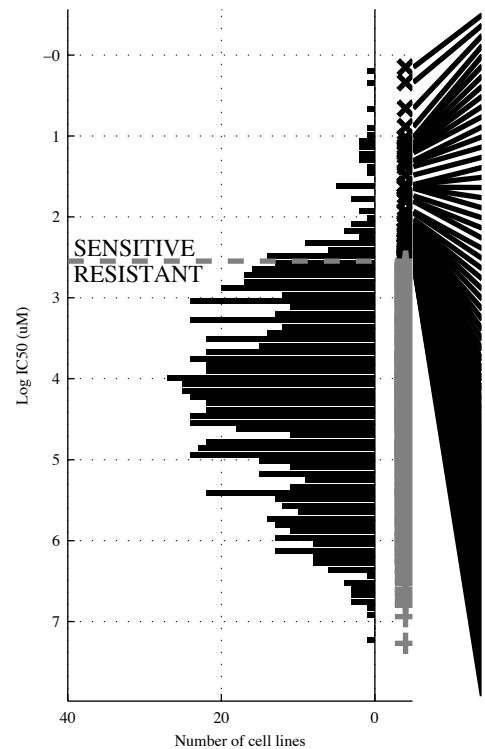


Model name	11	12	13	14	21	22	31	41
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>JAK-ST</b>	<b>-d3p14.&amp; dXq28</b>	<b>-d(SDHI&amp;-d3p14.&amp; dXq28</b>	<b>-d(CUL&amp;-d3p14.&amp; dXq28 &amp;-d21q11</b>	<b>MLL2  JAK-ST</b>	<b>[ -d12p12&amp;JAK-ST ]   [ -d(FAT&amp;dXq21. ]</b>	<b>ASXL1   MLL2   JAK-ST</b>	<b>ASXL1  CDKN1B  MLL2  JAK-ST</b>
TP   FP	17   18	44   111	41   89	42   78	34   92	55   152	39   96	41   98
Specificity	0.98	0.86	0.89	0.9	0.88	0.8	0.88	0.87
FN   TN	108   761	81   668	84   690	83   701	91   687	70   627	86   683	84   681
Precision	0.49	0.28	0.32	0.35	0.27	0.27	0.29	0.29
Recall	0.14	0.35	0.33	0.34	0.27	0.44	0.31	0.33

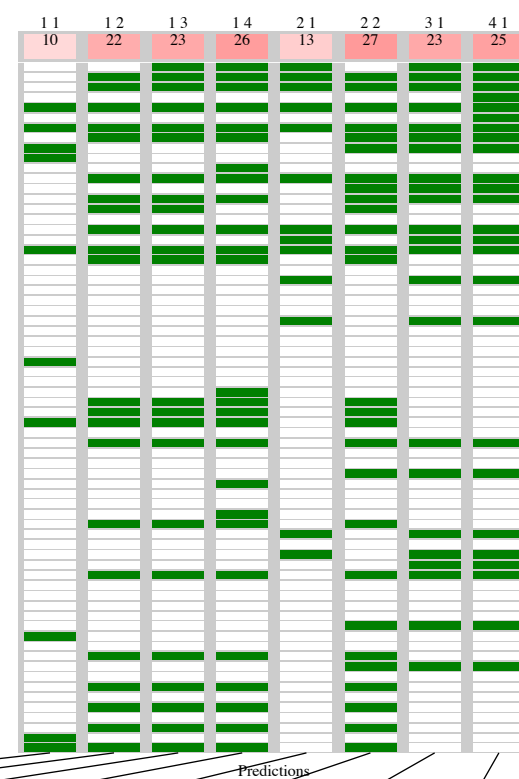
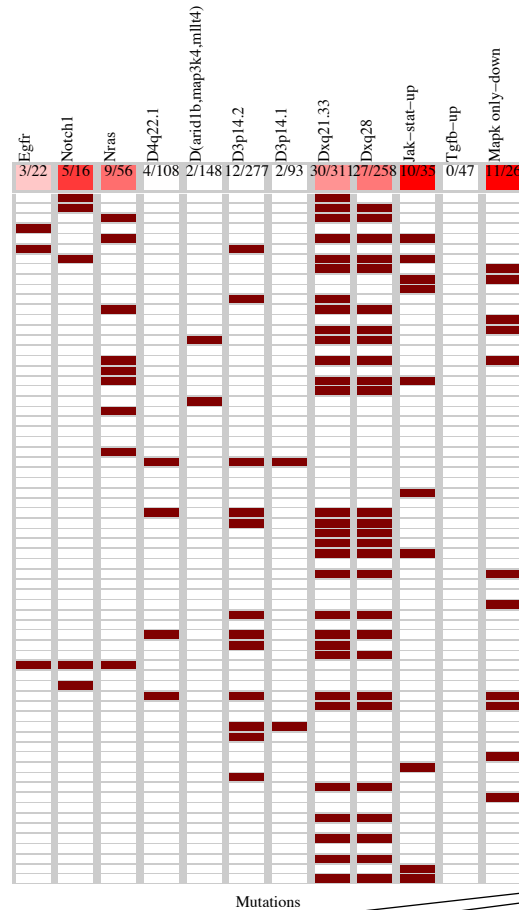
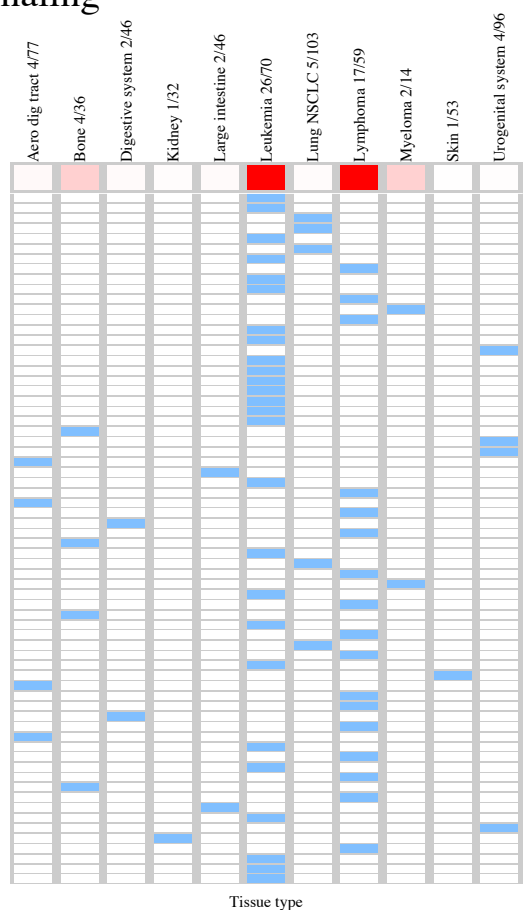


PANCAN  
 id: 221 name: TAK-715  
 target: p38a class: JNK and p38 signaling

904 cell lines  
 68 sensitive



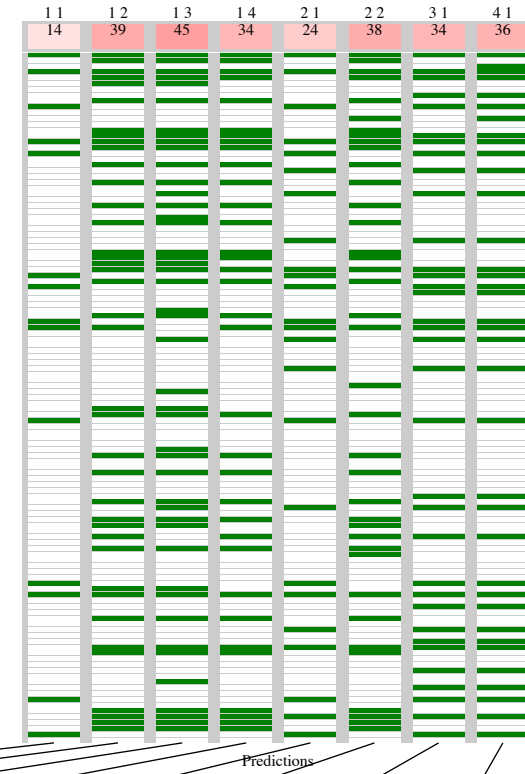
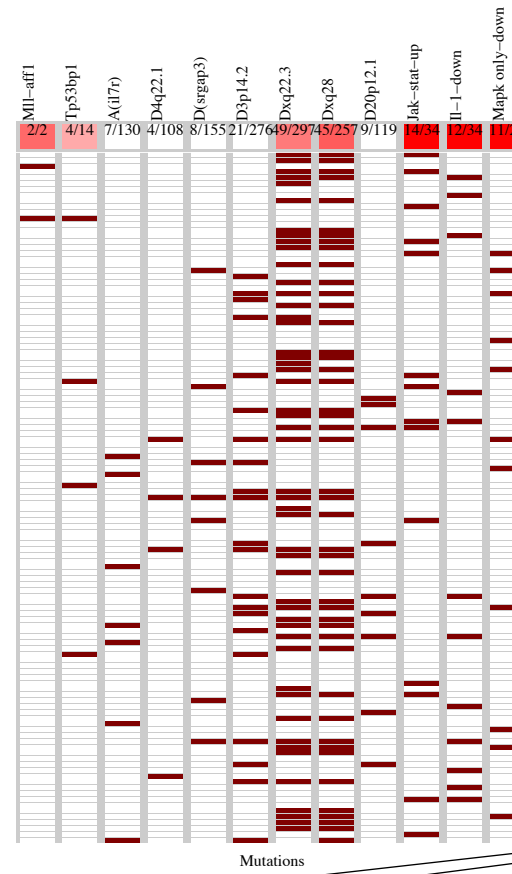
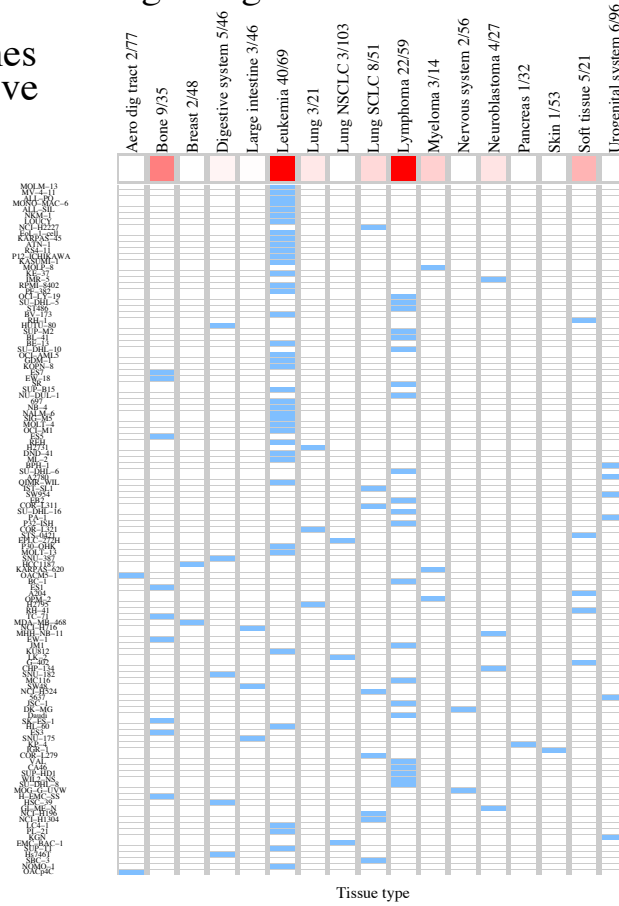
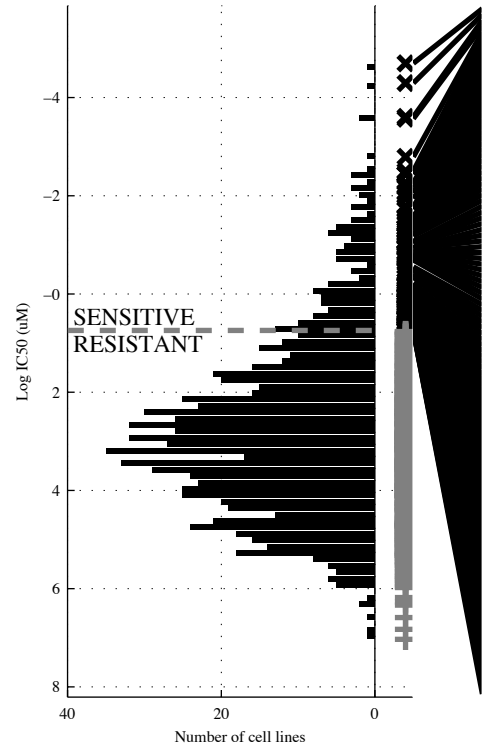
- ATN-1
- ALL-SIL
- NCL-H87
- PC-3 [IPC-3]
- TEP-1
- HCC-527
- CTV-1
- WIL2-NS
- RPMI-8402
- KARPAS-45
- SU-DHL-10
- MOLP-8
- EB2
- SUP-T1
- SUP-B15
- BPH-1
- 697
- P12-ICHIKAWA
- KE-37
- KASUMI-1
- LOUCY
- HAL-01
- QIMR-WIL
- ESS
- TOV-112D
- PA-1
- HG118
- CCK-81
- ALL-PO
- SLV1
- TE-15
- A3-KAW
- NCL-SNI-1
- BL-41
- EW-13
- MOLM-13
- NCL-H358
- BL
- KARPAS-620
- GDM-1
- NAL
- NOS-1
- OCL-M1
- BC-1
- CAL-12T
- SU-DHL-8
- MOLT-4
- A431
- TE-12
- SU-DHL-6
- RPMI-6666
- SNI-449
- ST486
- KYAE-1
- BE-13
- SU-DHL-5
- SIG-M5
- AS-Fuk
- ES4
- Fungus
- SNI-175
- EoL-1-ecll
- ME-180
- G-401
- DB
- OCL-AML5
- PL-21
- MEG-01



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
M																
Logic formula	<b>JAK-ST</b>		<b>-d3p14.&amp; dXq28</b>		<b>-d3p14.&amp; dXq21.&amp; -TGFB-U</b>		<b>-d4q22.&amp; d(ARIID&amp; -d3p14.&amp; dXq21.</b>		<b>NOTCH1  NRAS</b>		<b>[ -d3p14.&amp; MAPK o ]   [ -d3p14.&amp; dXq28 ]</b>		<b>NOTCH1  NRAS   MAPK o</b>		<b>EGFR  NOTCH1  NRAS   MAPK o</b>	
TP	10	25	22	133	23	155	26	159	13	57	27	135	23	71	25	88
FP																
FN	58	811	46	703	45	681	42	677	55	779	41	701	45	765	43	748
TN																
Specificity	0.97		0.84		0.81		0.81		0.93		0.84		0.92		0.89	
Precision	0.29		0.14		0.13		0.15		0.19		0.17		0.24		0.22	
Recall	0.15		0.32		0.34		0.42		0.19		0.4		0.34		0.37	

PANCAN  
 id: 222 name: BX-912  
 target: PDPK1 (PDK1) class: PI3K signaling

901 cell lines  
 119 sensitive

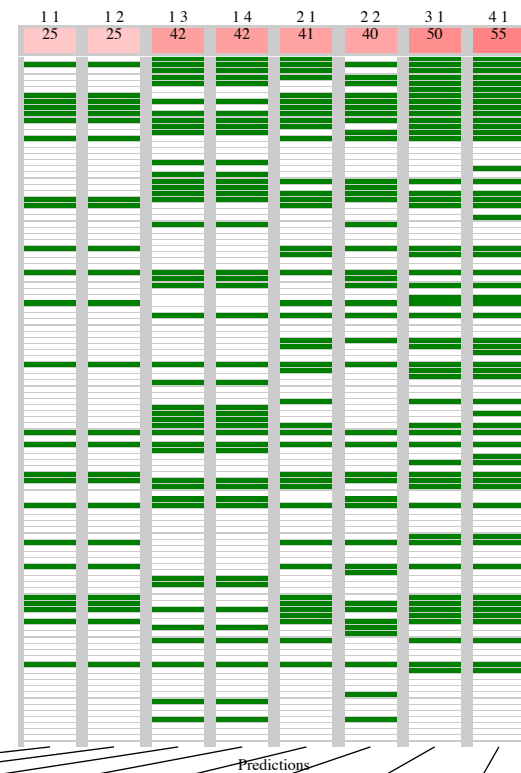
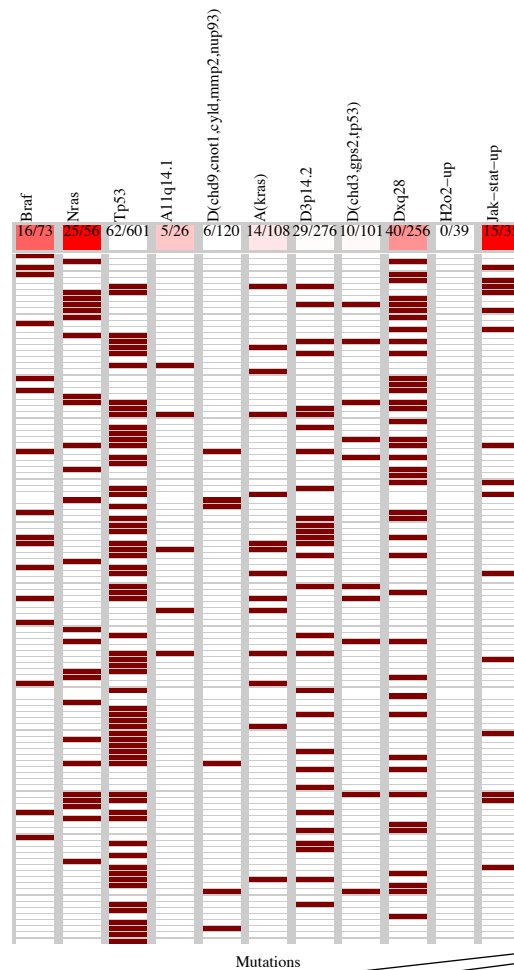
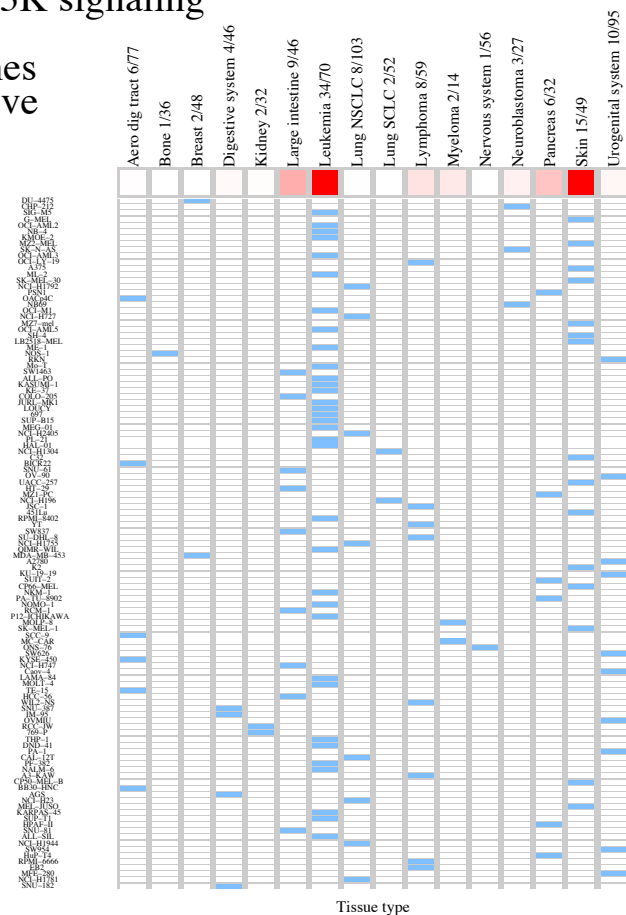
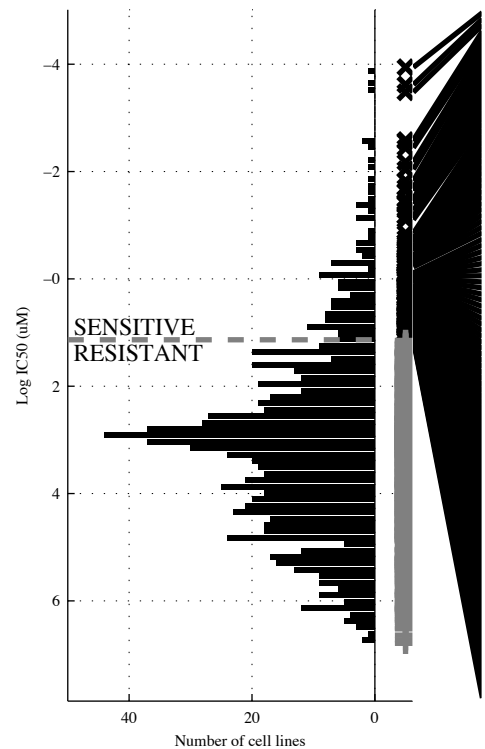


Model name	11	12	13	14	21	22	31	41
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>JAK-ST</b>	<b>-d3p14.&amp; dXq22.</b>	<b>-d(SRG.&amp; dXq22.&amp; -d20p12</b>	<b>-a(IL7R&amp;-d4q22.&amp; -d3p14.&amp; dXq28</b>	<b>JAK-ST MAPK o</b>	<b>[ TP53BP&amp;-d20p12 ]   [ -d3p14.&amp; dXq28 ]</b>	<b>JAK-ST  IL-1-D   MAPK o</b>	<b>MLL-AF JAK-ST  IL-1-D  MAPK o</b>
TP   FP	14   20	39   145	45   150	34   92	24   34	38   123	34   53	36   53
FN   TN	105   762	80   637	74   632	85   690	95   748	81   659	85   729	83   729
Specificity	0.97	0.81	0.81	0.84	0.96	0.89	0.93	0.93
Precision	0.41	0.21	0.23	0.24	0.41	0.3	0.39	0.4
Recall	0.12	0.33	0.38	0.33	0.2	0.26	0.29	0.3



PANCAN  
 id: 224 name: AS605240  
 target: PI3Kgamma class: PI3K signaling

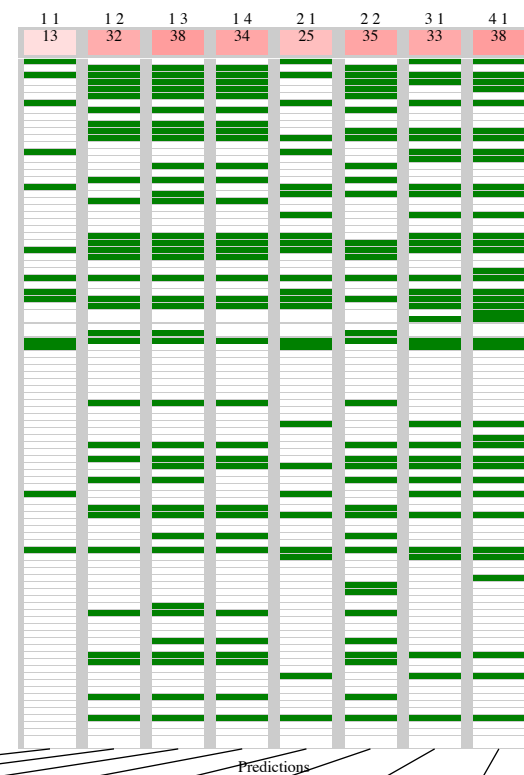
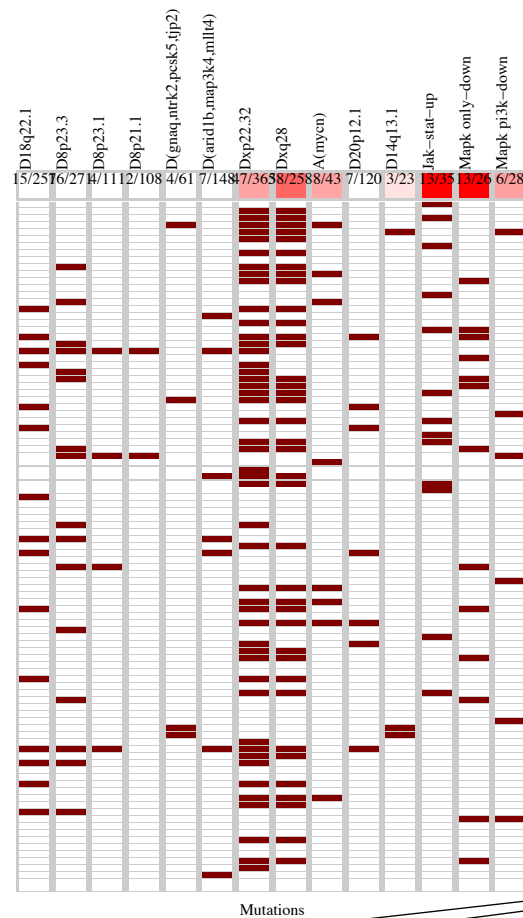
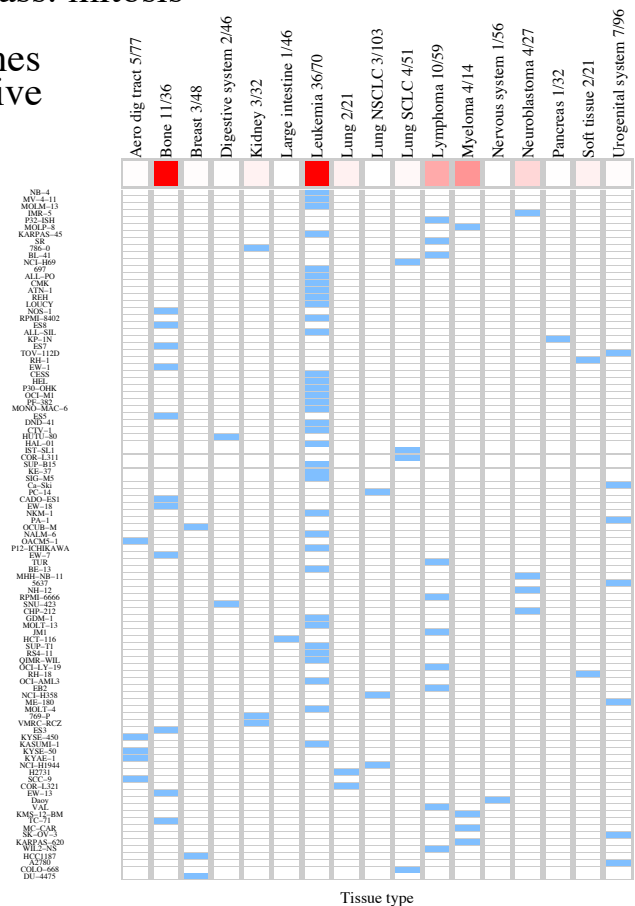
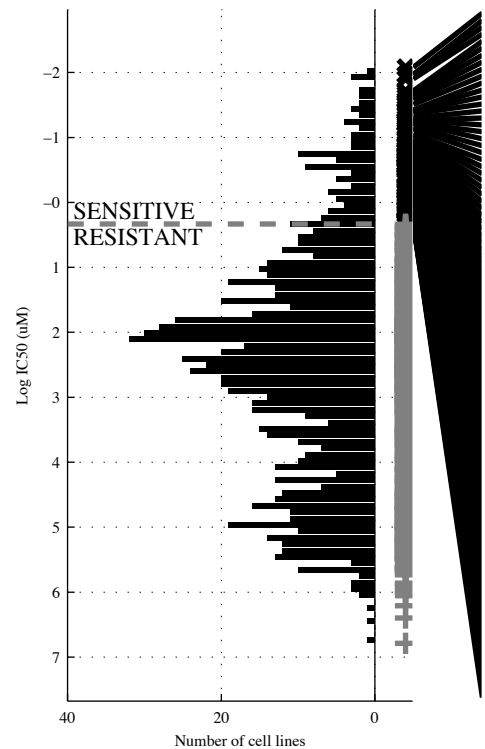
898 cell lines  
 113 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>NRAS</b>	<b>NRAS &amp;a(KRAS</b>	<b>-TP53 &amp;d(CHD&amp;</b>	<b>-TP53 &amp;d(CHD&amp;</b>	<b>BRAF   NRAS</b>	<b>[ -TP53 &amp; dXq28 ]</b>	<b>BRAF   NRAS  </b>	<b>BRAF   NRAS  </b>
			<b>-d3p14.</b>	<b>-d3p14.&amp;H2O2-U</b>		<b>[ NRAS &amp;d(CHD3</b>	<b>JAK-ST</b>	<b>a11q14  JAK-ST</b>
TP   FP Specificity	25   31 0.96	25   26 0.97	42   155 0.8	42   137 0.83	41   87 0.89	40   102 0.87	50   103 0.87	55   122 0.84
FN   TN Precision	88   754 0.45	88   759 0.52	71   630 0.21	71   648 0.23	72   698 0.32	73   683 0.26	63   682 0.33	58   663 0.31
Recall	0.22	0.22	0.37	0.37	0.36	0.32	0.44	0.49

PANCAN  
 id: 225 name: Genentech Cpd 10  
 target: AURKA, AURKB class: mitosis

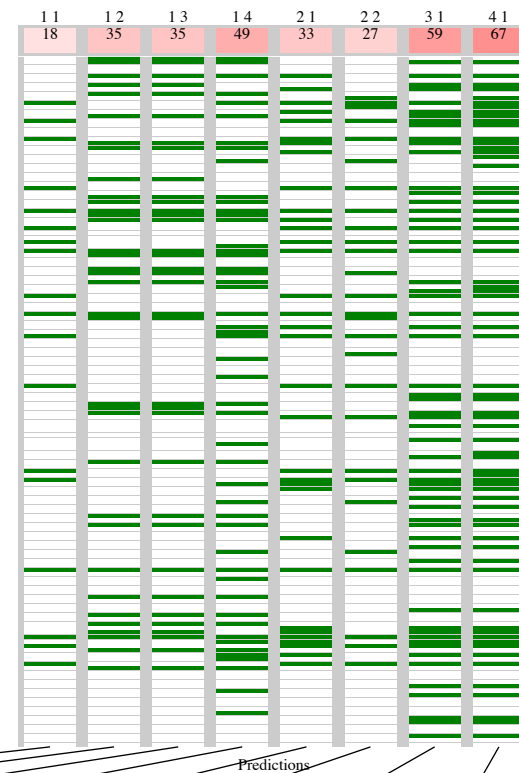
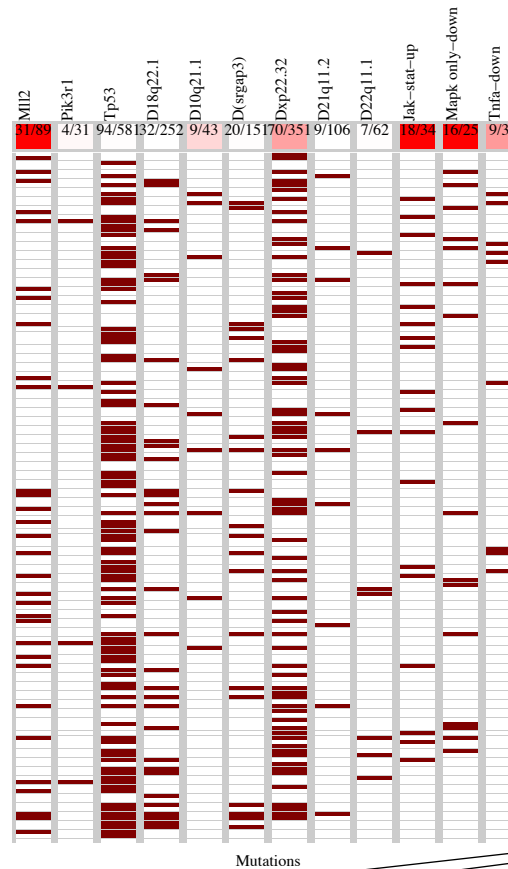
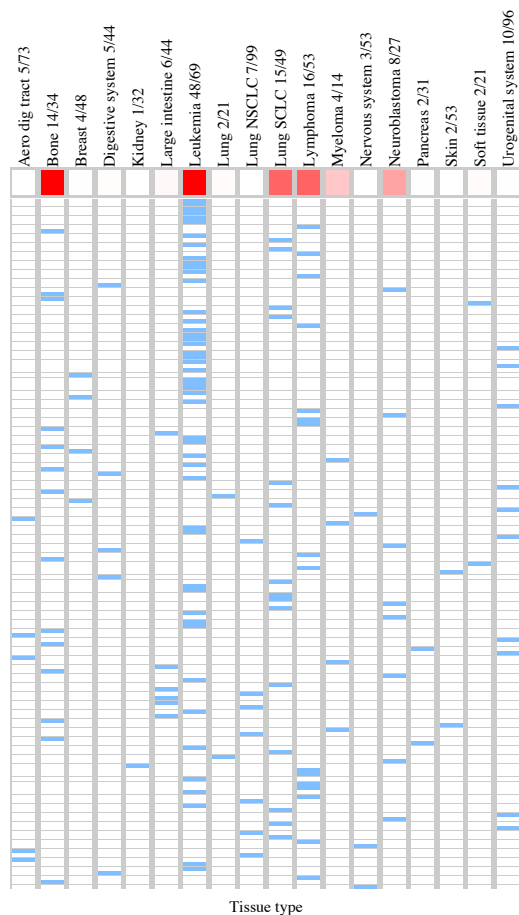
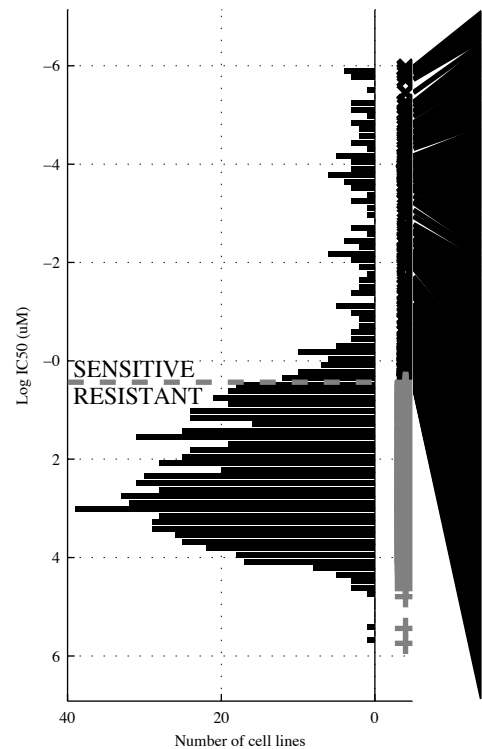
903 cell lines  
 99 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>JAK-ST</b>	<b>-d18q22&amp; dXq28</b>	<b>-d8p21.&amp; dXp22.&amp; dXq28</b>	<b>-d8p23.&amp;d(ARIH&amp; dXq28 &amp;-d20p12</b>	<b>JAK-ST MAPK o</b>	<b>[d(GNAQ&amp;d14q13 ]   [-d8p23.&amp; dXq28 ]</b>	<b>a(MYCNIJAK-STI   MAPK o</b>	<b>a(MYCNIJAK-STI   MAPK o MAPK P</b>
TP   FP	13   22	32   142	38   142	34   105	25   35	35   136	33   70	38   85
Specificity	0.97	0.82	0.82	0.84	0.96	0.88	0.91	0.89
FN   TN	86   782	67   662	61   662	65   699	74   769	64   668	66   734	61   719
Precision	0.37	0.18	0.21	0.23	0.42	0.3	0.32	0.31
Recall	0.13	0.32	0.38	0.39	0.25	0.28	0.33	0.38

PANCAN  
 id: 226 name: GSK1070916  
 target: AURKB class: mitosis

875 cell lines  
 154 sensitive

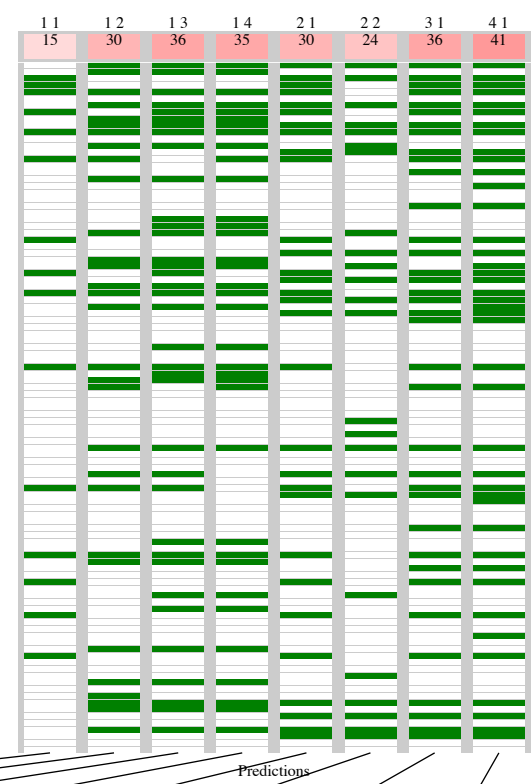
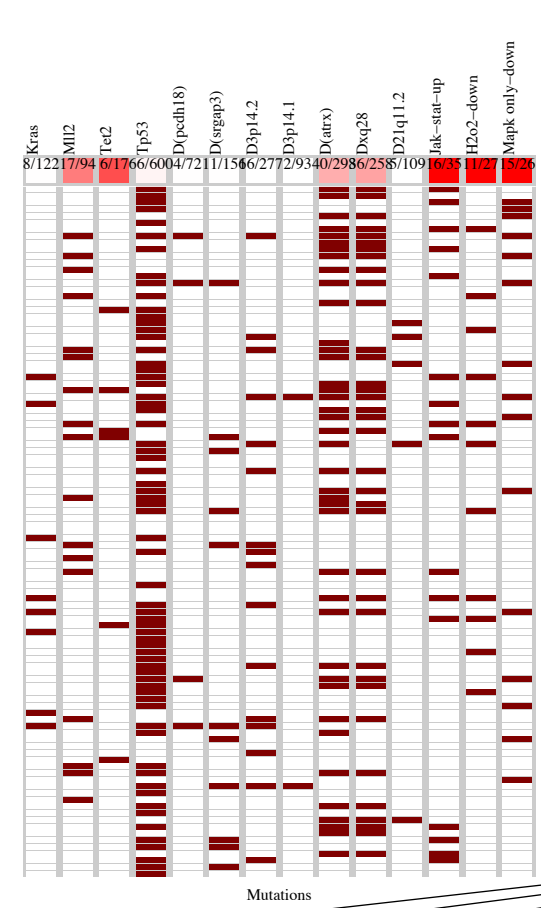
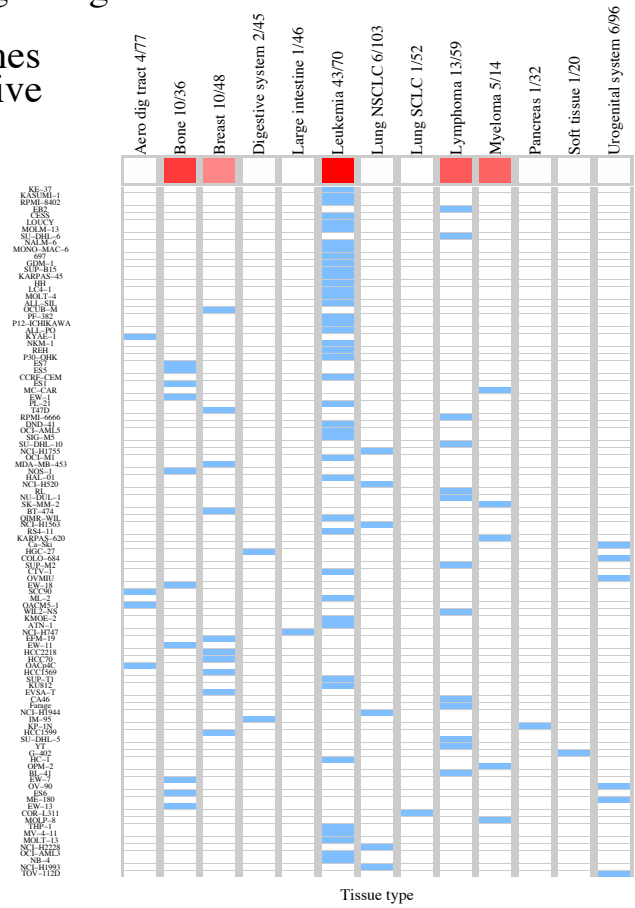
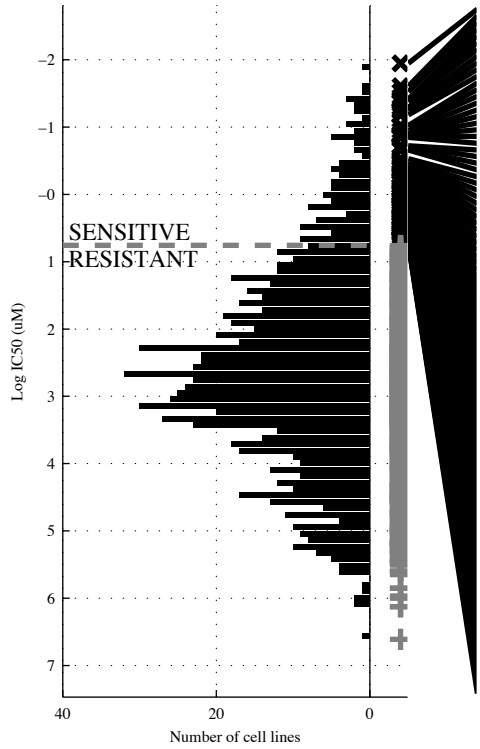


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>JAK-ST</b>	<b>-TP53 &amp; dXp22.</b>	<b>-TP53 &amp; dXp22. &amp; -d22q11</b>	<b>-d18q22. &amp; d(SRG &amp; dXp22. &amp; -d21q11</b>	<b>JAK-ST   MAPK o</b>	<b>[ d10q21 &amp; -d22q11 ]   [-PIK3R &amp; JAK-ST]</b>	<b>MLL2   JAK-ST   MAPK o</b>	<b>MLL2   JAK-ST   MAPK o   TNFa-D</b>
TP   FP	18   16	35   88	35   73	49   111	33   25	27   38	59   82	67   101
Specificity	0.98	0.86	0.9	0.88	0.97	0.95	0.89	0.86
FN   TN	136   705	119   633	119   648	105   610	121   696	127   683	95   639	87   620
Precision	0.53	0.28	0.33	0.33	0.57	0.42	0.42	0.4
Recall	0.12	0.26	0.22	0.28	0.21	0.18	0.38	0.44



PANCAN  
 id: 228 name: KIN001-102  
 target: AKT1 class: PI3K signaling

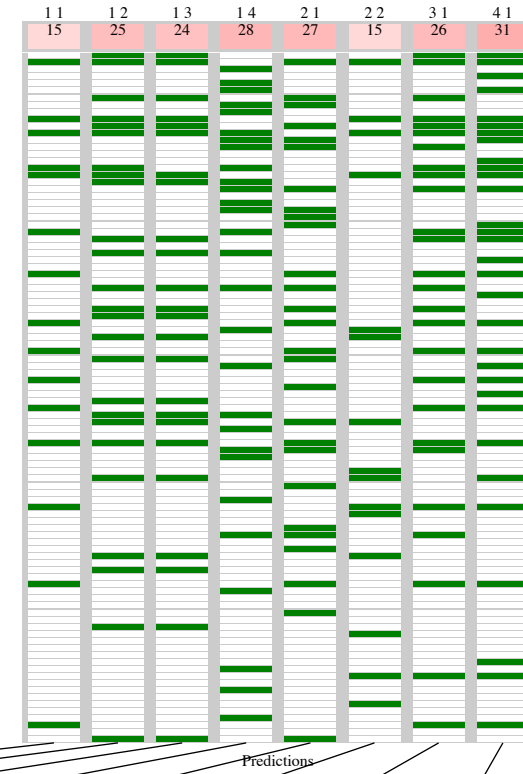
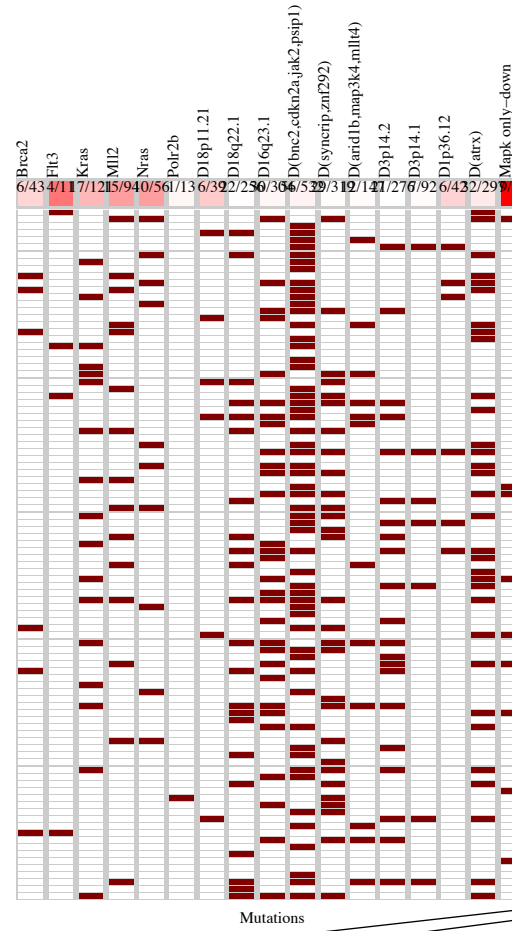
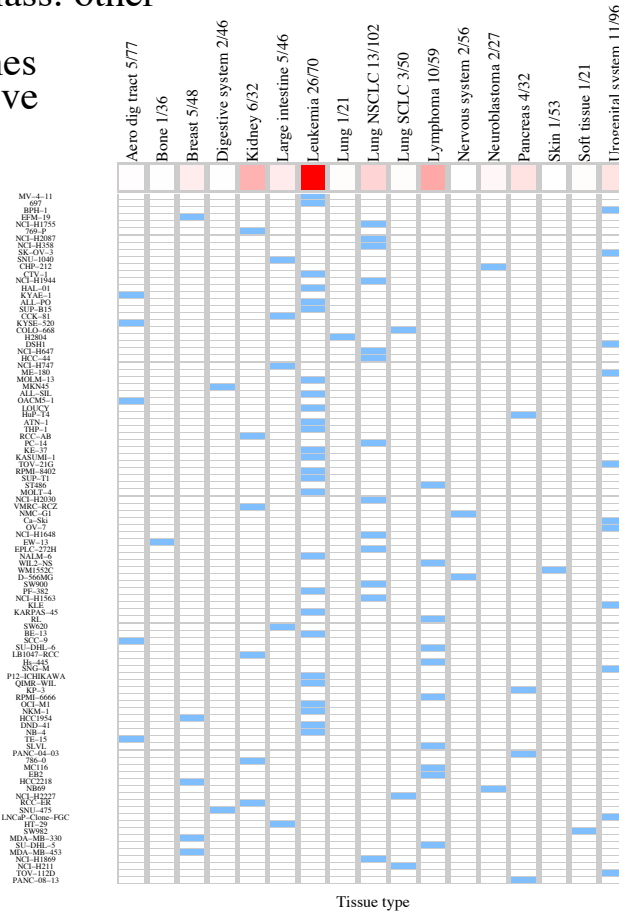
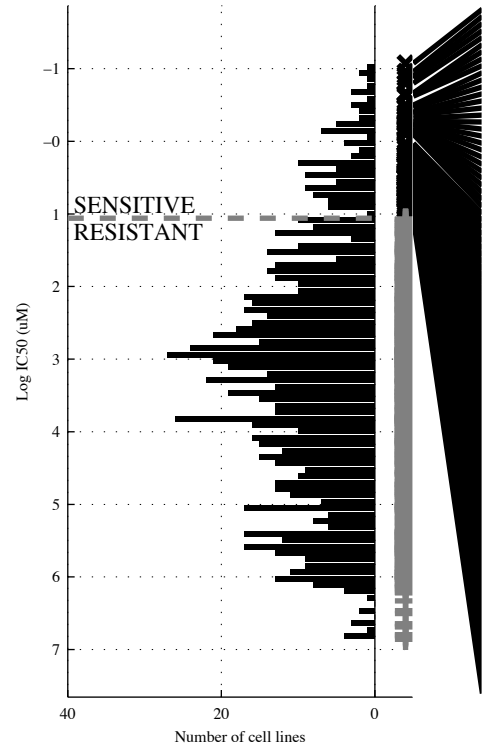
902 cell lines  
 103 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MAPK o</b>	<b>-d3p14.&amp; dXq28</b>	<b>-d(SRGA&amp;d(ATRX&amp;</b> <b>-d21q11</b>	<b>-KRAS&amp;-d3p14.&amp;</b> <b>d(ATRX&amp;-d21q11</b>	<b>JAK-STIMAPK o</b>	<b>[ -d(PCDH&amp;JAK-ST]</b> <b> </b> <b>[ MLL2 &amp; -TP53 ]</b>	<b>JAK-STIH2O2-DI</b>  <b>MAPK o</b>	<b>TET2  JAK-STI</b>  <b>H2O2-DIMAPK o</b>
TP   FP Specificity	15   11 0.99	30   125 0.84	36   152 0.82	35   139 0.83	30   30 0.96	24   37 0.91	36   41 0.95	41   52 0.93
FN   TN Precision	88   788 0.58	73   674 0.19	67   647 0.2	68   660 0.2	73   769 0.5	79   762 0.34	67   758 0.47	62   747 0.44
Recall	0.15	0.29	0.33	0.33	0.29	0.28	0.35	0.4

PANCAN  
 id: 229 name: LY317615  
 target: PRKCB (PKCbeta) class: other

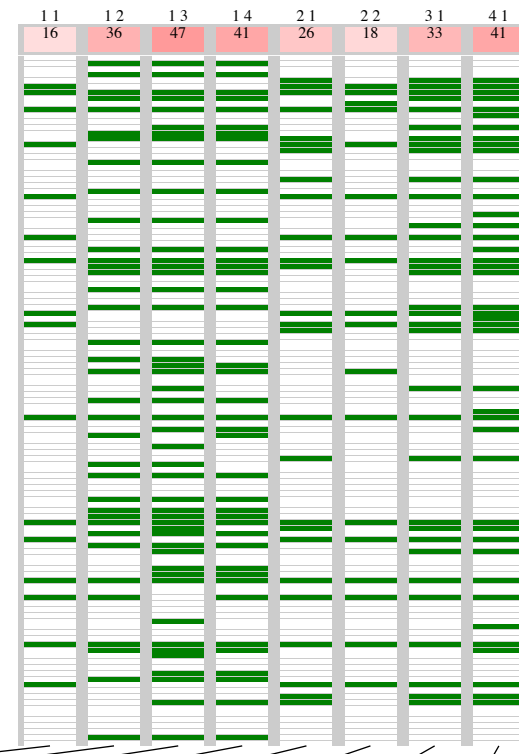
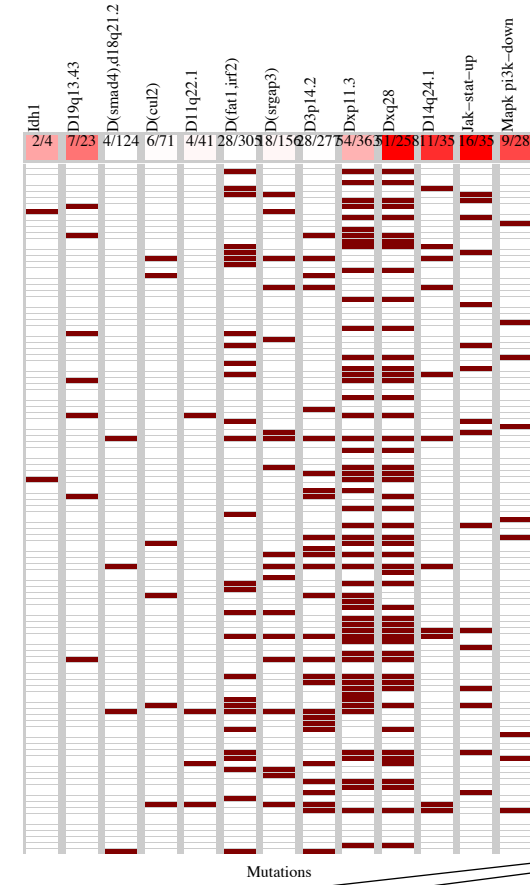
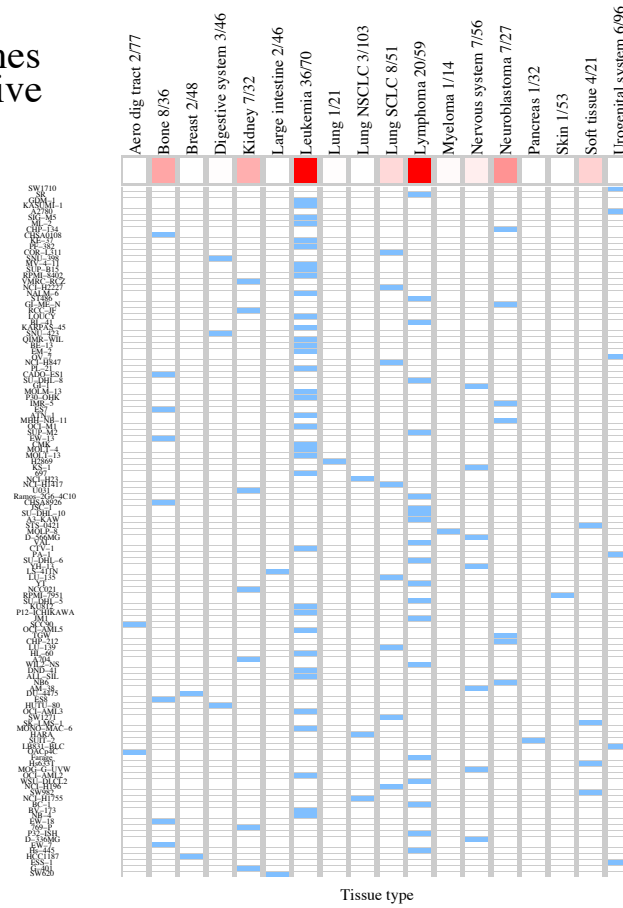
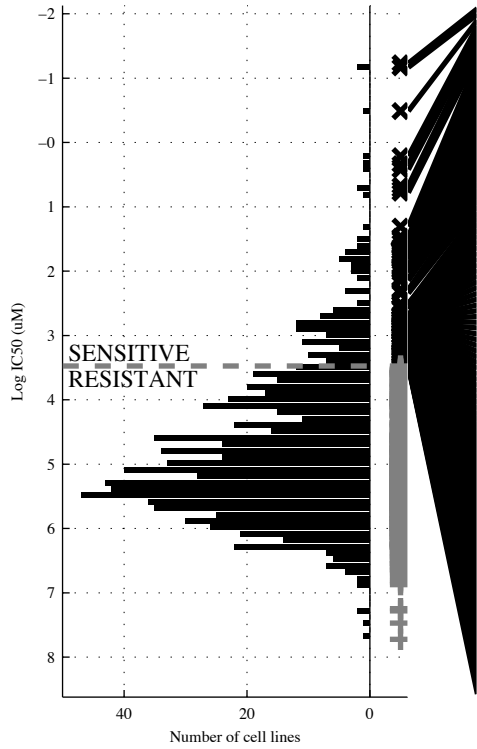
901 cell lines  
 98 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	1	3	4	1	2	1	1
Logic formula	<b>MLL2</b>	<b>~d3p14.&amp;d(ATRX)</b>	<b>~d(ATRX)&amp;~d3p14.&amp;d(ATRX)</b>	<b>~d18q22.&amp;~d16q23.&amp;d(BNC2)&amp;d(SYNC)</b>	<b>KRAS   NRAS</b>	<b>[ ~d3p14.&amp;MAPK o ]   [ BRCA2&amp;POLR2B ]</b>	<b>FLT3   MLL2   NRAS</b>	<b>FLT3   MLL2   d18p11   d1p36.</b>
TP   FP	15   79	25   160	24   129	28   148	27   148	15   43	26   125	31   140
Specificity	0.9	0.83	0.84	0.82	0.82	0.94	0.84	0.83
FN   TN	83   724	73   643	74   674	70   655	71   655	83   760	72   678	67   663
Precision	0.16	0.15	0.16	0.16	0.15	0.27	0.17	0.18
Recall	0.15	0.23	0.24	0.29	0.28	0.16	0.27	0.32

PANCAN  
 id: 230 name: GSK429286A  
 target: ROCK2 class: cytoskeleton

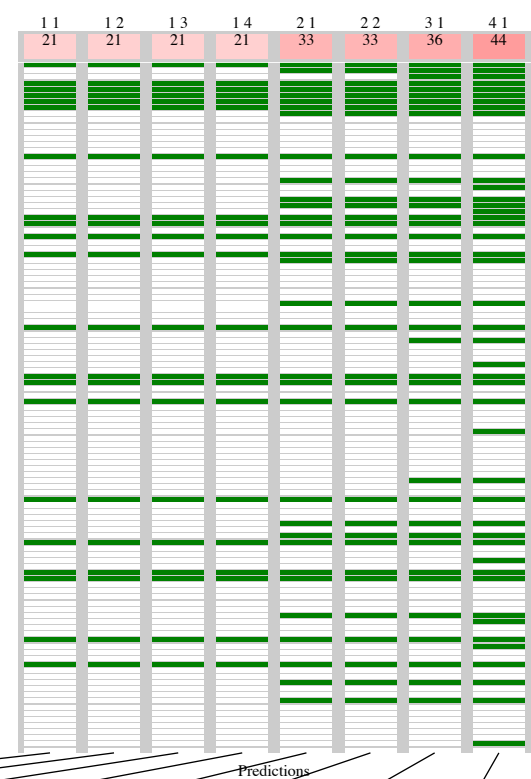
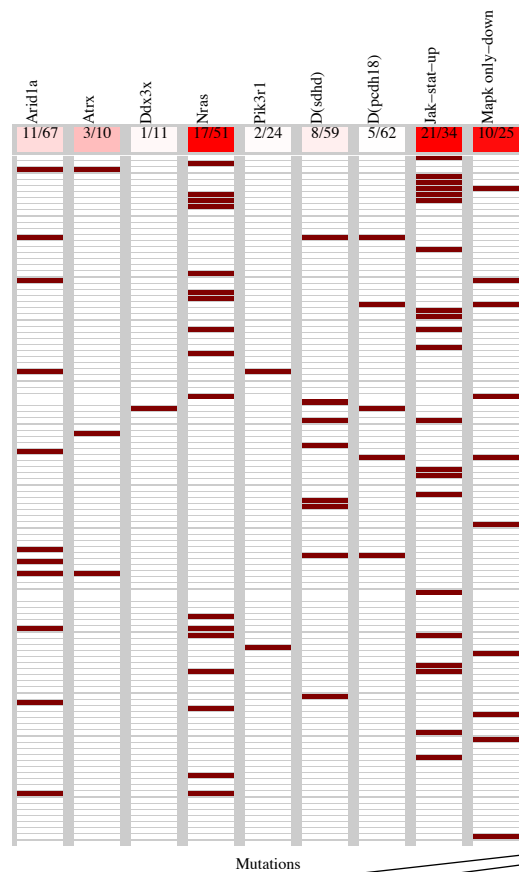
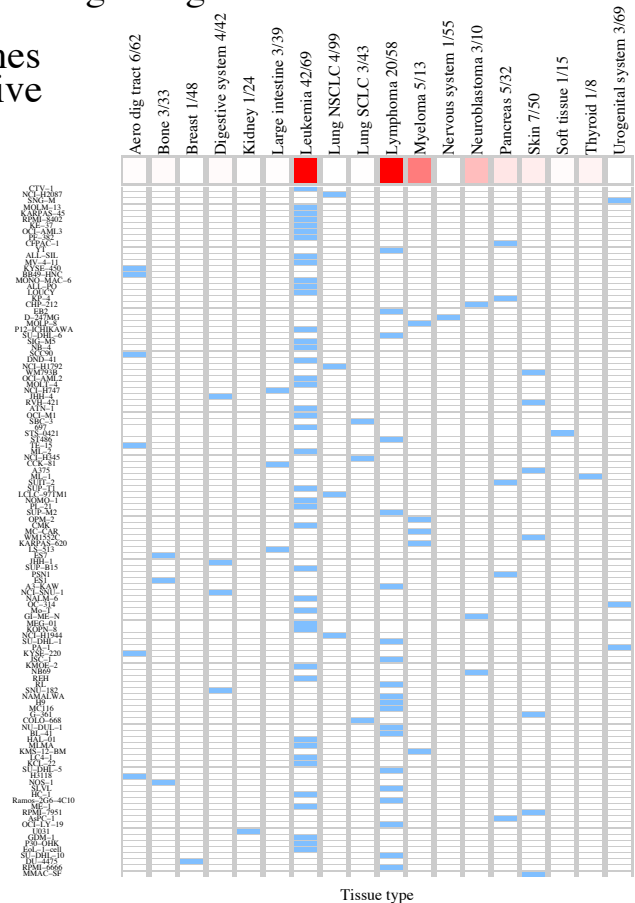
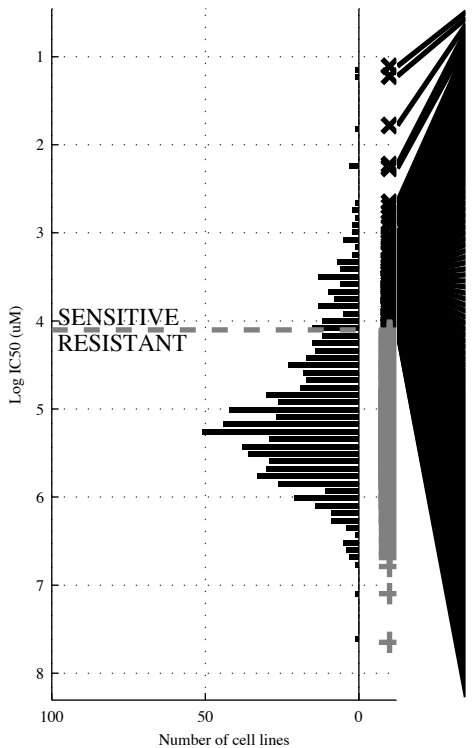
903 cell lines  
 119 sensitive



Model name	11	12	13	14	21	22	31	41
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>JAK-ST</b>	<b>-d3p14.&amp; dXq28</b>	<b>-d(SMA&amp;d(CUL&amp;</b> <b>dXq28</b>	<b>-d(SMA&amp;d(SRG&amp;</b> <b>dXp11.&amp; dXq28</b>	<b>d14q24   JAK-ST</b>	<b>[ -d11q22&amp;JAK-ST ]</b> <b> </b> <b>[ IDH1 &amp;-d(FAT1]</b>	<b>d19q13   d14q24  </b> <b>JAK-ST</b>	<b>d19q13   d14q24  </b> <b>JAK-ST MAPK P</b>
TP   FP	16   19	36   119	47   132	41   106	26   43	18   19	33   58	41   75
Specificity	0.98	0.84	0.84	0.87	0.95	0.98	0.93	0.9
FN   TN	103   765	83   665	72   652	78   678	93   741	101   765	86   726	78   709
Precision	0.46	0.23	0.26	0.29	0.38	0.59	0.36	0.35
Recall	0.13	0.32	0.39	0.35	0.22	0.13	0.28	0.34

PANCAN  
 id: 231 name: FMK  
 target: RSK class: ERK MAPK signaling

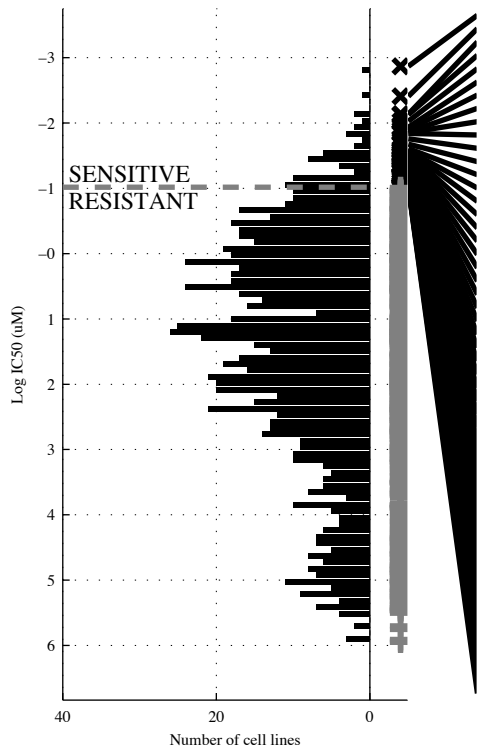
777 cell lines  
 113 sensitive



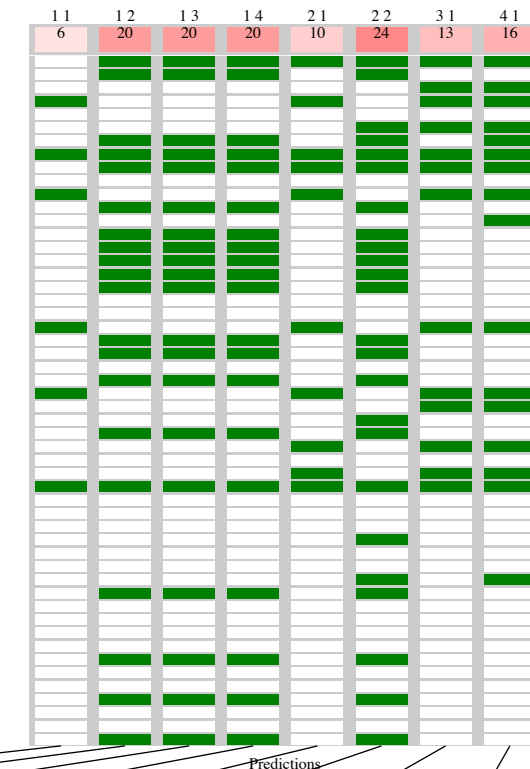
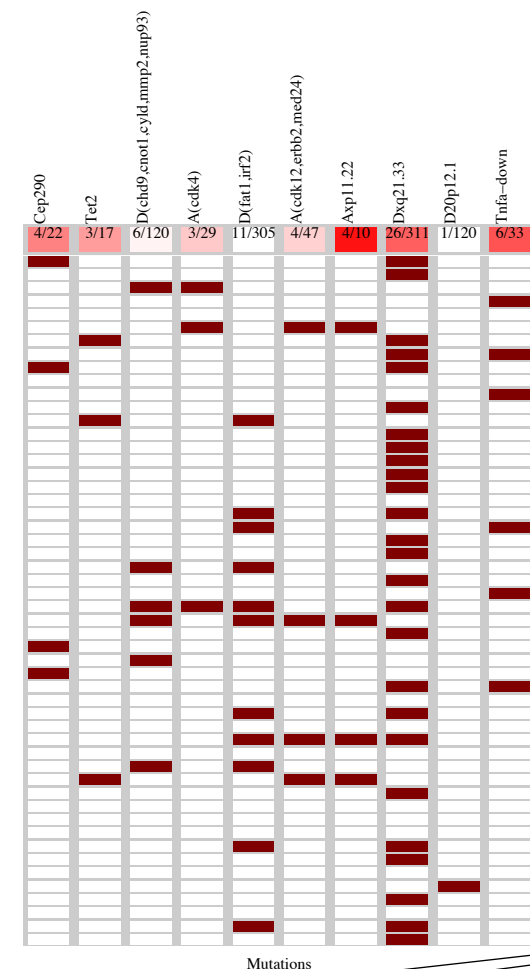
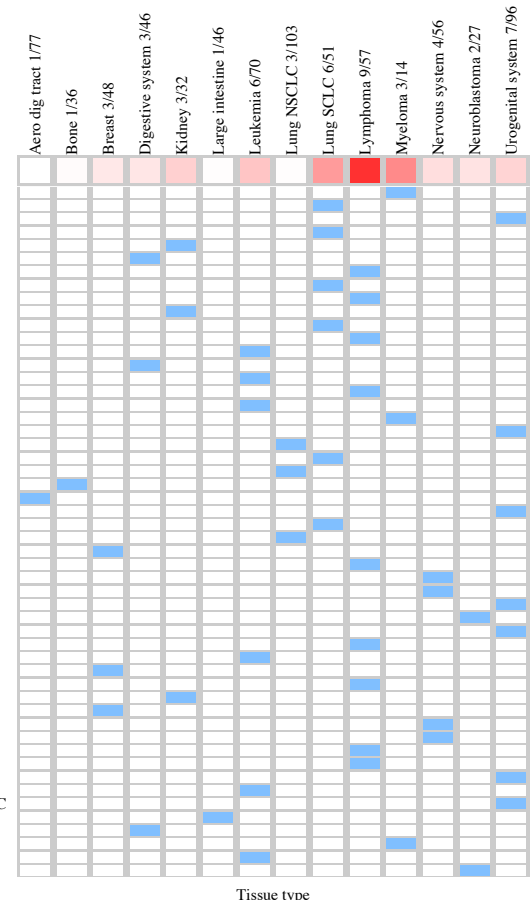
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>JAK-ST</b>	<b>~ARID1A &amp; JAK-ST</b>	<b>~ARID1A &amp; DDX3X &amp; JAK-ST</b>	<b>~DDX3X &amp; PIK3R1 &amp; JAK-ST</b>	<b>NRAS   JAK-ST</b>	<b>[ NRAS &amp; d(SDHD)   ]</b>	<b>ATRX   NRAS   JAK-ST</b>	<b>ATRX   NRAS   JAK-ST   MAPK o</b>
TP   FP	21   13	21   10	21   8	21   6	33   44	33   35	36   49	44   63
Specificity	0.98	0.98	0.99	0.99	0.93	0.95	0.93	0.91
FN   TN	92   651	92   654	92   656	92   658	80   620	80   629	77   615	69   601
Precision	0.62	0.68	0.72	0.78	0.43	0.49	0.42	0.41
Recall	0.19	0.19	0.19	0.19	0.29	0.29	0.32	0.39

PANCAN  
 id: 235 name: QL-XII-47  
 target: BTK, BMX class: other

900 cell lines  
 52 sensitive



- RPMI-8226
- SBC-3
- BPH-1
- NCI-H1694
- 786-0
- SNU-423
- SU-DHL-8
- LU-139
- BL-41
- 769-P
- COR-L311
- BC-1
- SIG-M5
- HUTU-80
- NALM-6
- WIL2-NS
- MV-4-11
- MOLP-8
- PA-1
- NCI-H810
- LB647-SCLC
- CAL-12T
- CS1
- BHY
- VCaP
- NCI-H847
- NCI-H2087
- HCC1954
- A3-KAW
- KS-1
- SF539
- TOV-21G
- LAN-6
- SW626
- SP
- QIMR-WIL
- HCC202
- SUP-M2
- VMRC-RCZ
- OCUB-M
- U251
- YKG-1
- EB2
- Hs-445
- 22RV1
- HEL
- LNCAp-Clone-FGC
- NCI-H747
- SNU-398
- LP-1
- SUP-B15
- SK-N-FI



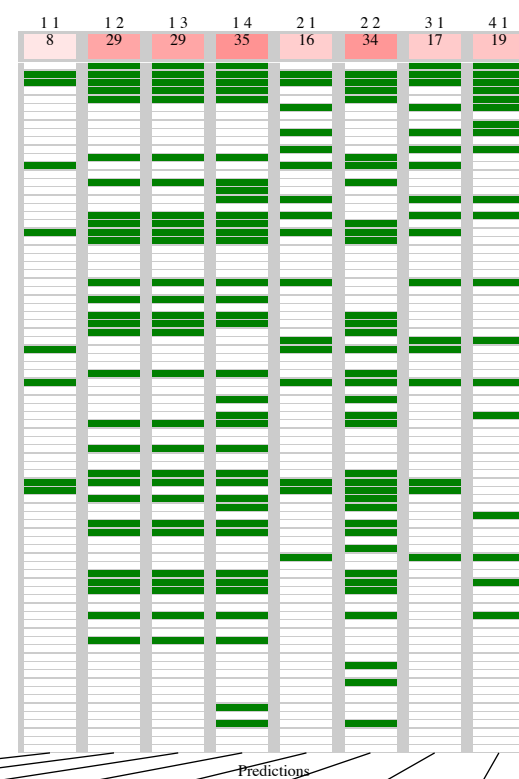
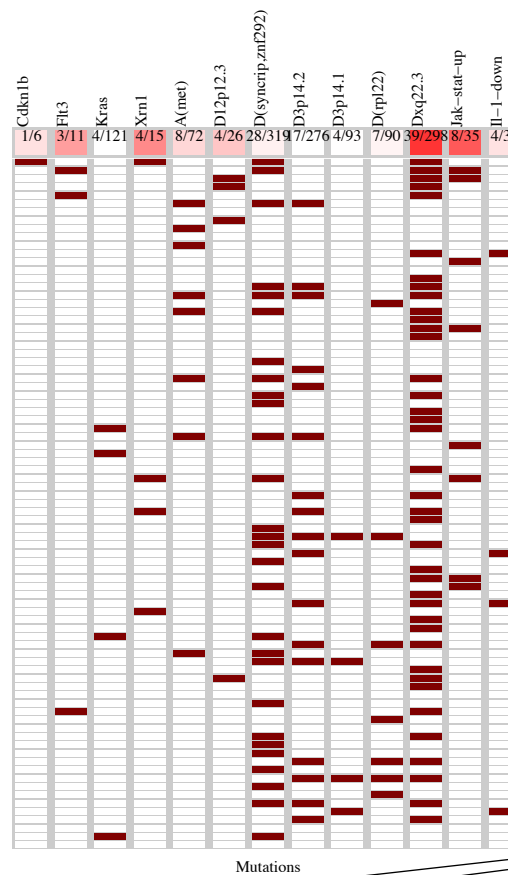
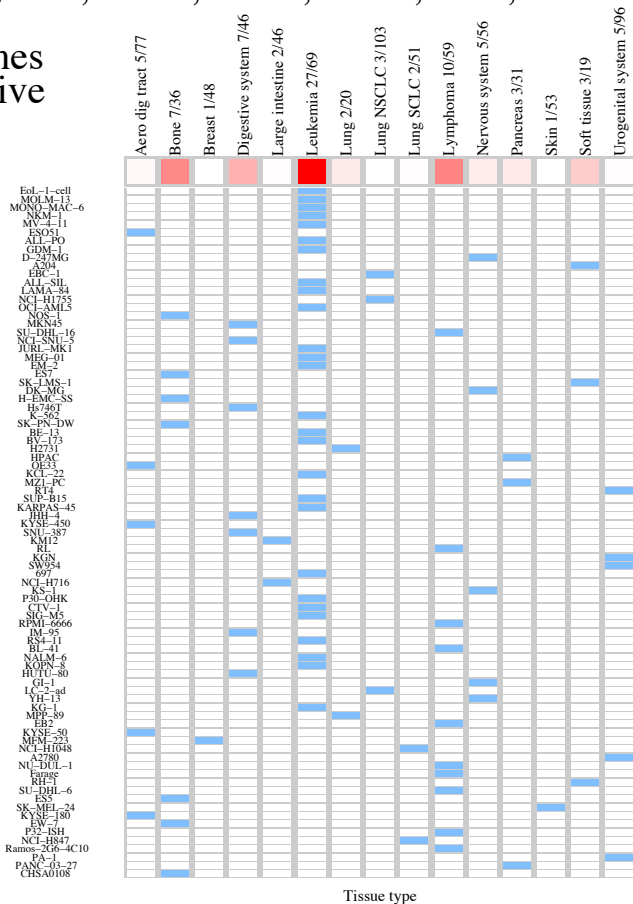
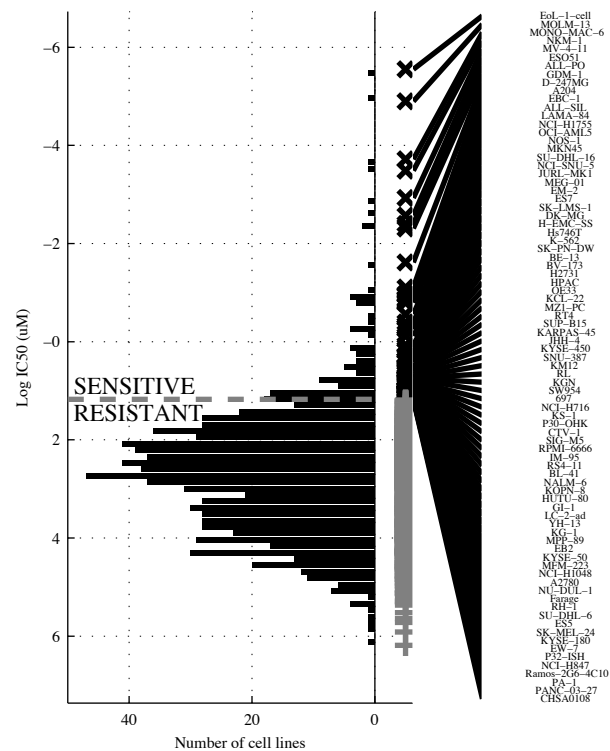
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>TNFA-D</b>	<b>~d(FAT&amp;dXq21.</b>	<b>~d(FAT&amp;dXq21.&amp;</b> <b>~d20p12</b>	<b>~d(CHD&amp;~d(FAT&amp;</b> <b>dXq21.&amp;~d20p12</b>	<b>CEP290 TNFA-D</b>	<b>[a(CDK1&amp;aXp11. ]</b> <b> </b> <b>[~d(FAT&amp;dXq21. ]</b>	<b>CEP290 a(CDK4 </b> <b>TNFA-D</b>	<b>CEP290 TET2 </b> <b>a(CDK4 TNFA-D</b>
TP   FP	6   27	20   165	20   137	20   116	10   45	24   165	13   71	16   85
Specificity	0.97	0.81	0.84	0.86	0.95	0.83	0.92	0.9
FN   TN	46   821	32   683	32   711	32   732	42   803	28   683	39   777	36   763
Precision	0.18	0.11	0.13	0.15	0.18	0.13	0.15	0.16
Recall	0.12	0.38	0.38	0.38	0.19	0.39	0.25	0.31





PANCAN  
 id: 249 name: XL-184  
 target: VEGFR, MET, RET, KIT, FLT3, FLT1, FLT3, FLT4, Tie2, AXL class: RTK signaling

900 cell lines  
 83 sensitive



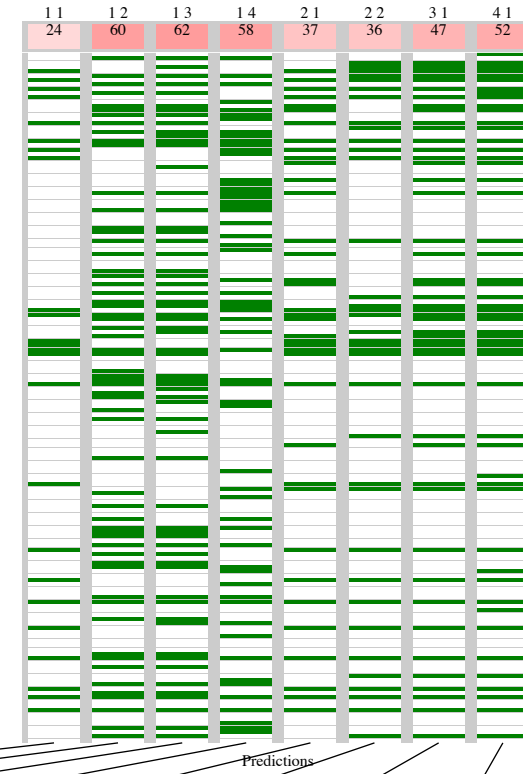
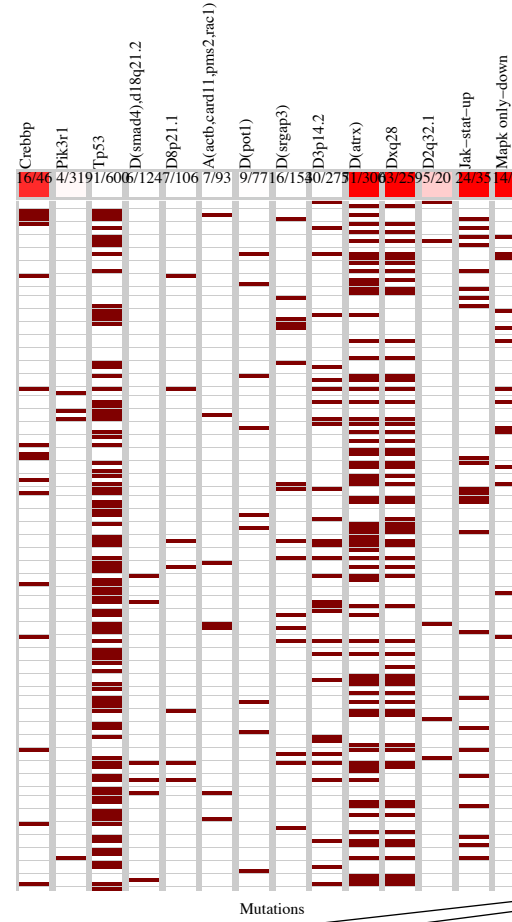
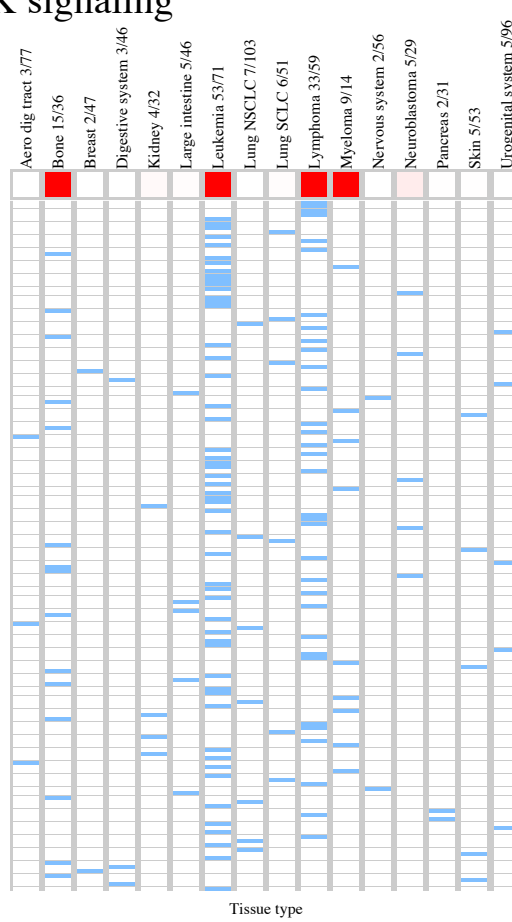
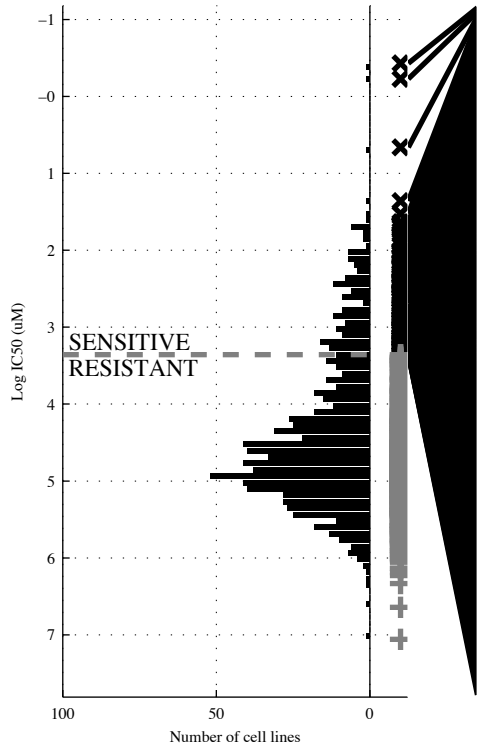
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	JAK-ST	-d3p14.&dXq22.	-d3p14.&d(RPL&dXq22.	-KRAS&-d3p14.&-d(RPL&dXq22.	a(MET)   JAK-ST	[JAK-ST&-IL-1-D]   [-d(SYN&dXq22. ]	CDKN1B   a(MET)   JAK-ST	FLT3   XRN1   a(MET)   d12p12
TP   FP	8   27	29   155	29   131	35   146	16   91	34   161	17   95	19   104
Specificity	0.97	0.81	0.84	0.82	0.89	0.91	0.88	0.87
FN   TN	75   790	54   662	54   686	48   671	67   726	49   656	66   722	64   713
Precision	0.23	0.16	0.18	0.19	0.15	0.22	0.15	0.15
Recall	0.096	0.35	0.35	0.42	0.19	0.22	0.2	0.23





PANCAN  
 id: 253 name: XMD14-99  
 target: EPHB3, CAMK1 class: RTK signaling

902 cell lines  
 159 sensitive

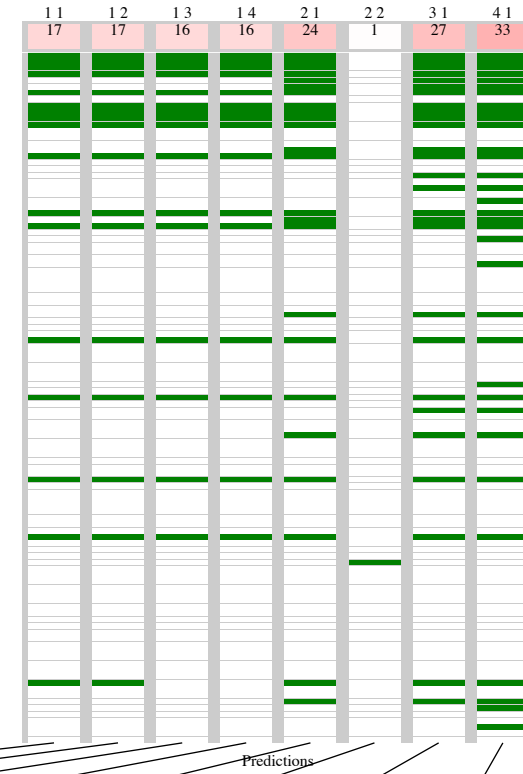
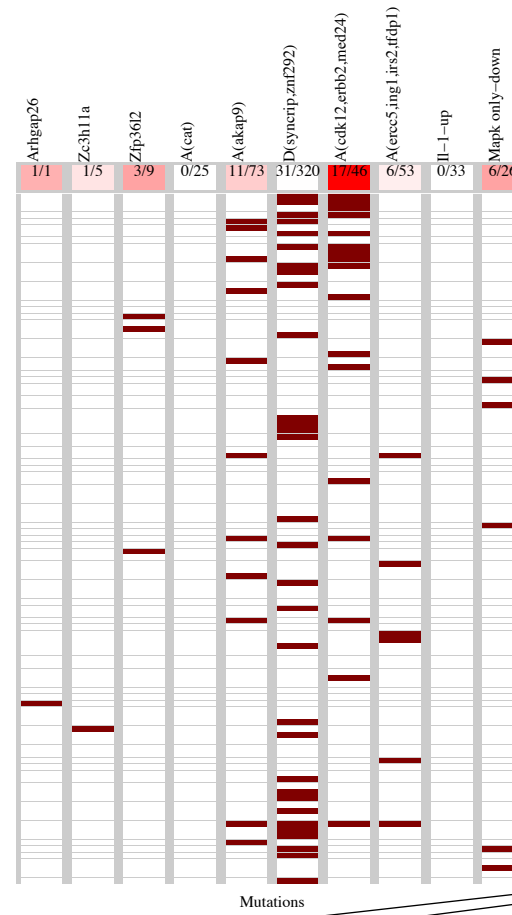
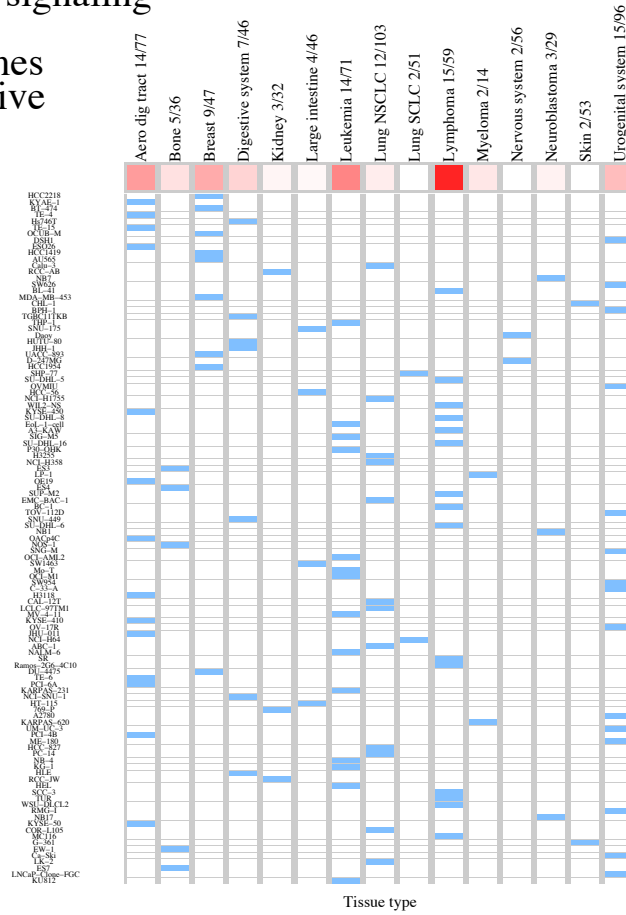
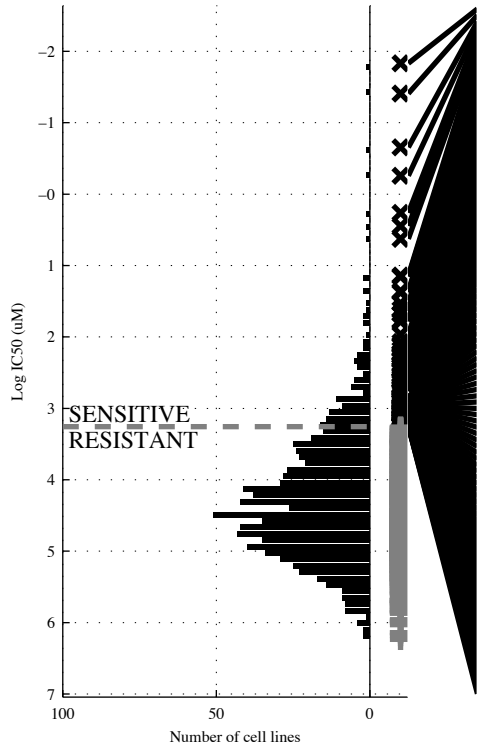


Model name	11	12	13	14	21	22	31	41
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>JAK-ST</b>	<b>-d(SMA&amp; dXq28</b>	<b>-d(SMA&amp;d(SRGA&amp;</b>	<b>-TP53 &amp;-d8p21.&amp;</b>	<b>JAK-STIMAPK o</b>	<b>[CREBBP&amp;-PIK3R1]</b>	<b>CREBBPIJAK-STI</b>	<b>CREBBPI d2q32. 1</b>
			<b>d(ATRX</b>	<b>-a(ACT1&amp;-d3p14.</b>		<b>[-d(POT&amp;JAK-ST)]</b>	<b>MAPK o</b>	<b>JAK-STIMAPK o</b>
TP   FP Specificity	24   11 0.99	60   147 0.8	62   136 0.81	58   134 0.82	37   23 0.97	36   34 0.97	47   50 0.93	52   62 0.92
FN   TN Precision	135   732 0.69	99   596 0.29	97   607 0.31	101   609 0.36	122   720 0.62	123   709 0.6	112   693 0.48	107   681 0.46
Recall	0.15	0.38	0.4	0.36	0.23	0.19	0.3	0.33



PANCAN  
 id: 255 name: CP724714  
 target: ERBB2 class: EGFR signaling

902 cell lines  
 109 sensitive

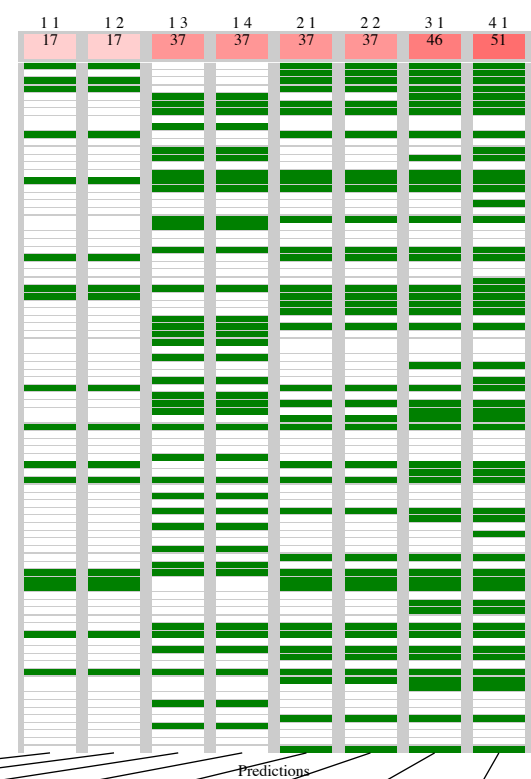
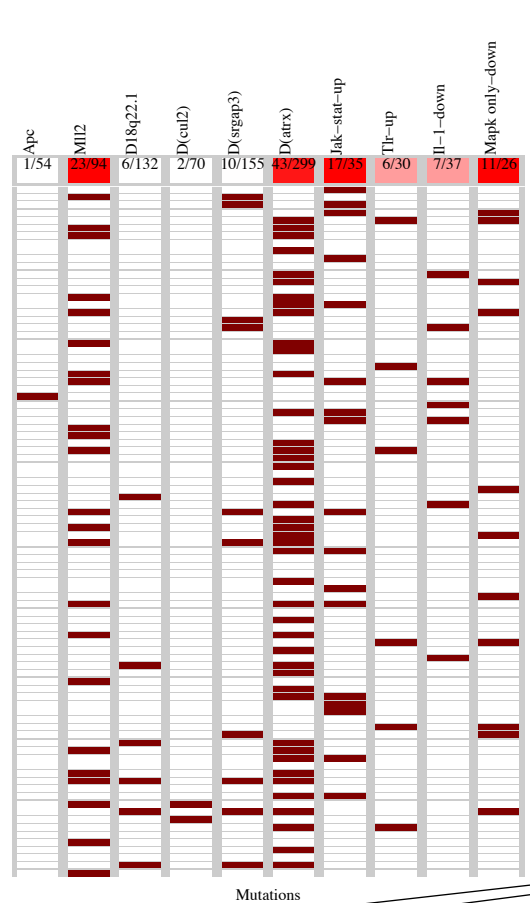
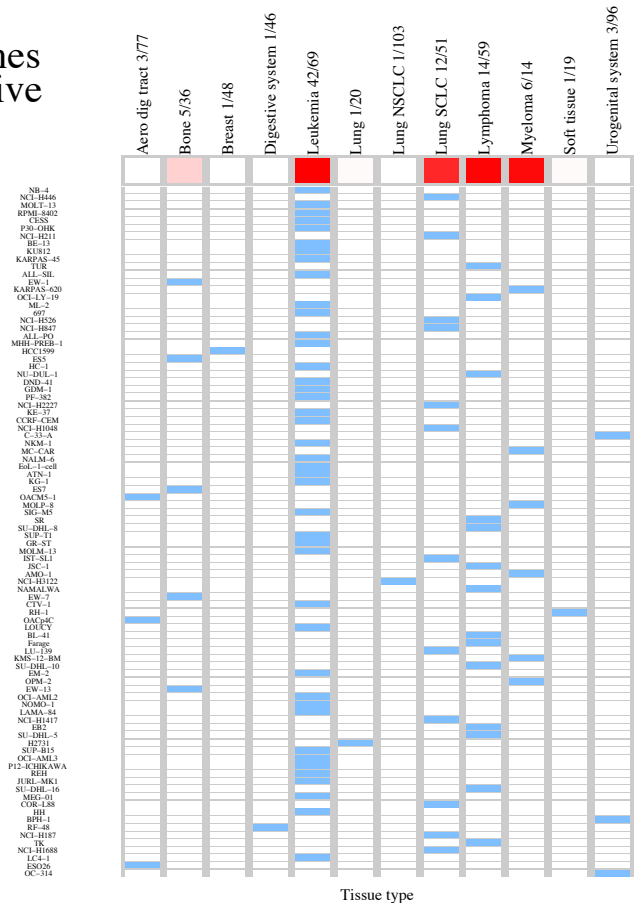
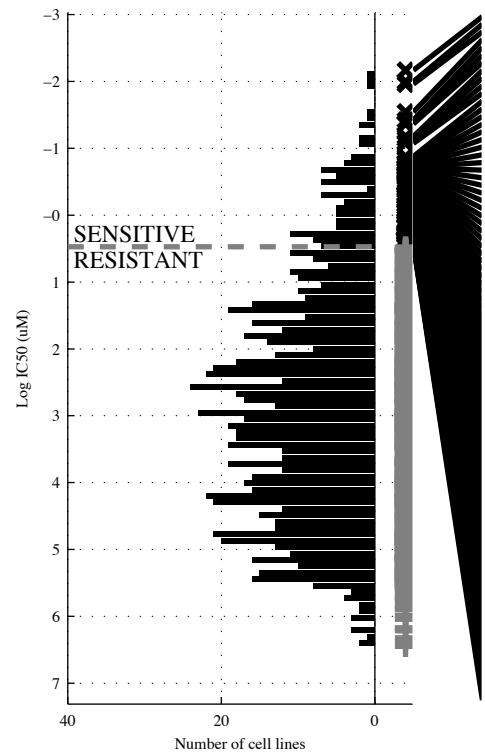


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a(CDK1)</b>	<b>a(CDK1)&amp;-IL-1-U</b>	<b>a(CDK1)&amp;a(ERCC&amp;-IL-1-U</b>	<b>-a(CAT)&amp;a(CDK1&amp;-a(ERC&amp;-IL-1-U</b>	<b>a(AKAP1 a(CDK1</b>	<b>[ARHGAP&amp; ]</b> <b> </b> <b>[ZC3H11&amp;d(SYNC]</b>	<b>ZFP36L1a(AKAP1</b>	<b>ZFP36L1a(AKAP1</b>
TP   FP	17   29	17   25	16   18	16   15	24   79	1   0	27   85	33   103
Specificity	0.96	0.97	0.98	0.98	0.9	1	0.91	0.87
FN   TN	92   764	92   768	93   775	93   778	85   714	108   793	82   708	76   690
Precision	0.37	0.4	0.47	0.51	0.23	1	0.26	0.24
Recall	0.16	0.16	0.15	0.15	0.22	0.0073	0.24	0.3



PANCAN  
 id: 257 name: NPK76-II-72-1  
 target: PLK3 class: mitosis

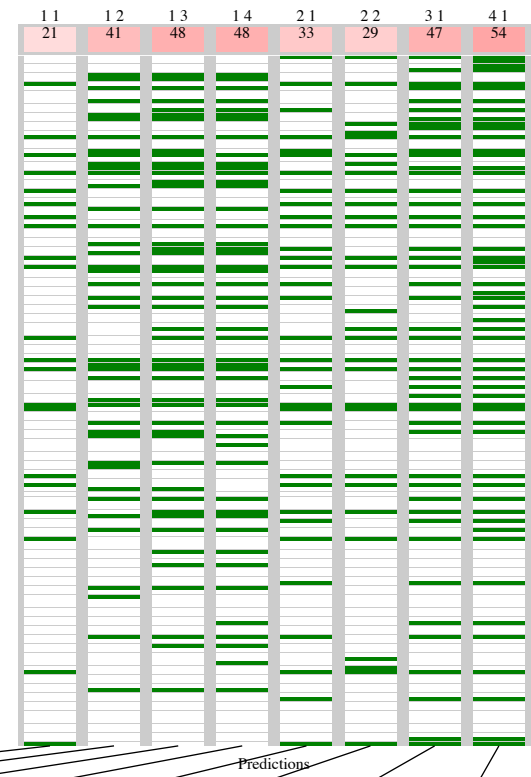
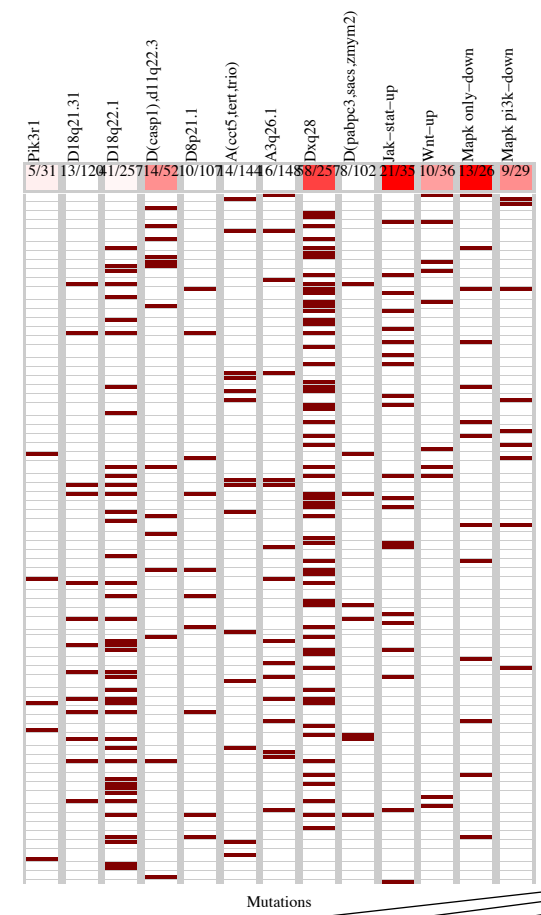
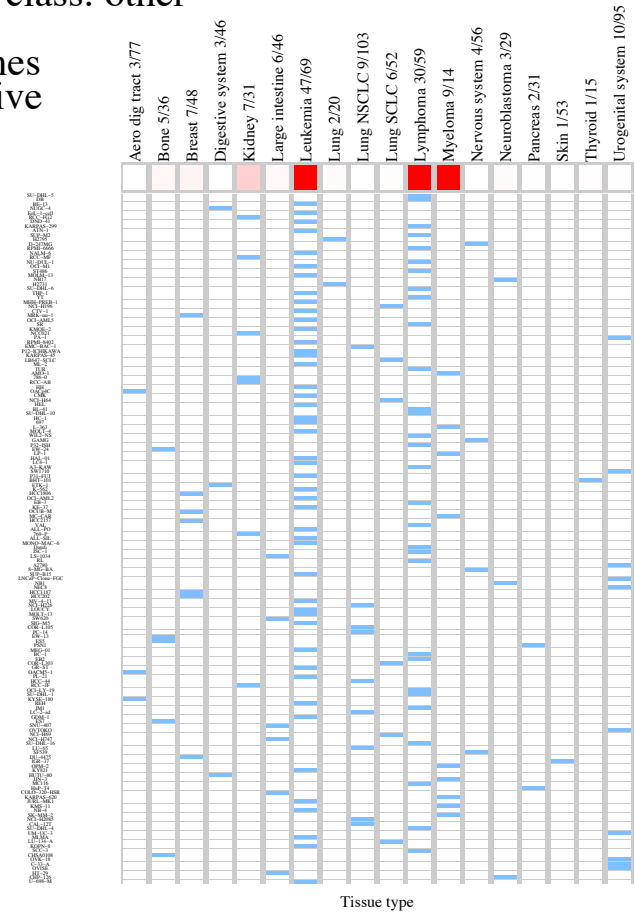
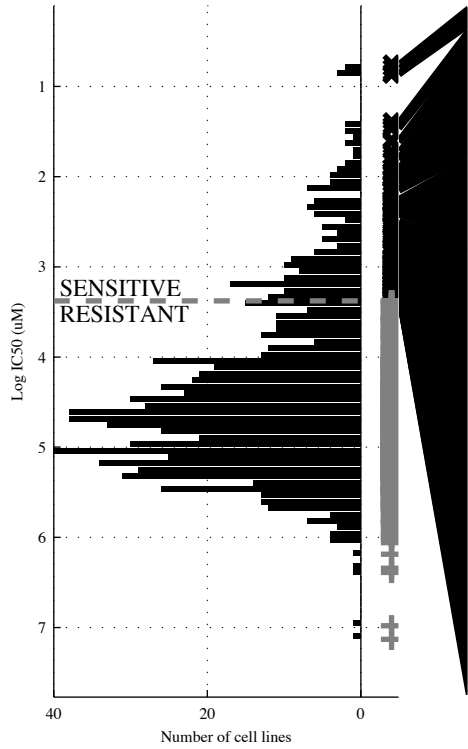
900 cell lines  
 90 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1										
K	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1									
M																									
Logic formula	<b>JAK-ST</b>		<b>JAK-ST &amp; TLR-UP</b>		<b>-d18q22 &amp; d(SRGA &amp;</b>		<b>-d18q22 &amp; d(CUL &amp;</b>		<b>MLL2   JAK-ST</b>		<b>[ JAK-ST &amp; TLR-UP ]</b>		<b>MLL2   JAK-ST  </b>		<b>MLL2   JAK-ST  </b>										
					<b>d(ATRX</b>		<b>-d(SRGA &amp; d(ATRX</b>				<b>[ -APC &amp; MLL2 ]</b>		<b>MAPK o</b>		<b>IL-1-D   MAPK o</b>										
Specificity	17	18	0.98	17	12	0.99	37	155	0.81	37	140	0.83	37	89	0.89	37	69	0.92	46	102	0.87	51	123	0.85	
Precision	73	792	0.49	73	798	0.59	53	655	0.19	53	670	0.41	53	721	0.29	53	741	0.34	44	708	0.31	39	687	0.29	
Recall			0.19			0.19			0.41			0.41			0.41			0.37				0.51			0.57

PANCAN  
 id: 258 name: STF-62247  
 target: stimulates autophagy class: other

898 cell lines  
 155 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>JAK-ST</b>	<b>~d18q22&amp; dXq28</b>	<b>~d18q21&amp; dXq28 &amp; ~d(PABP)</b>	<b>~d8p21.&amp; ~a3q26.&amp; dXq28 &amp; ~d(PABP)</b>	<b>JAK-ST MAPK o</b>	<b>[~a(CCT5&amp;Wnt-UP)]</b>	<b>d(CASP  JAK-ST)</b>	<b>d(CASP  JAK-ST) MAPK P</b>
TP   FP	21   14	41   131	48   121	48   108	33   27	29   29	47   63	54   79
Specificity	0.98	0.82	0.83	0.85	0.96	0.95	0.92	0.89
FN   TN	134   729	114   612	107   622	107   635	122   716	126   714	108   680	101   664
Precision	0.6	0.24	0.28	0.3	0.55	0.43	0.43	0.41
Recall	0.14	0.26	0.31	0.3	0.21	0.17	0.3	0.35

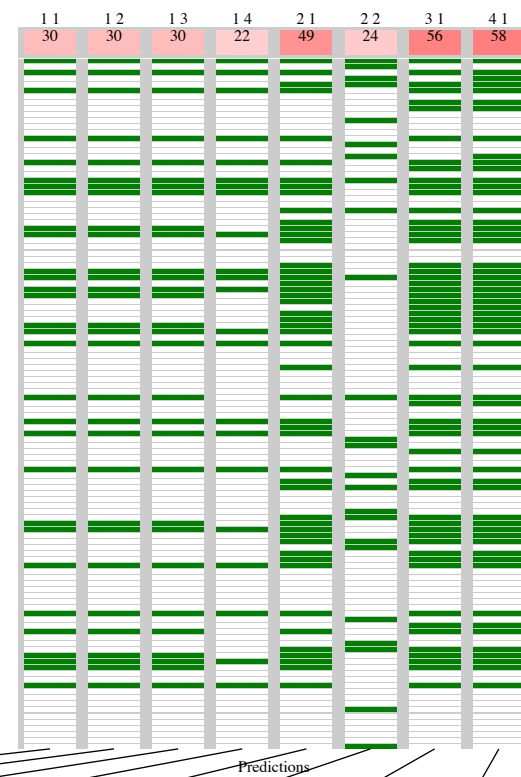
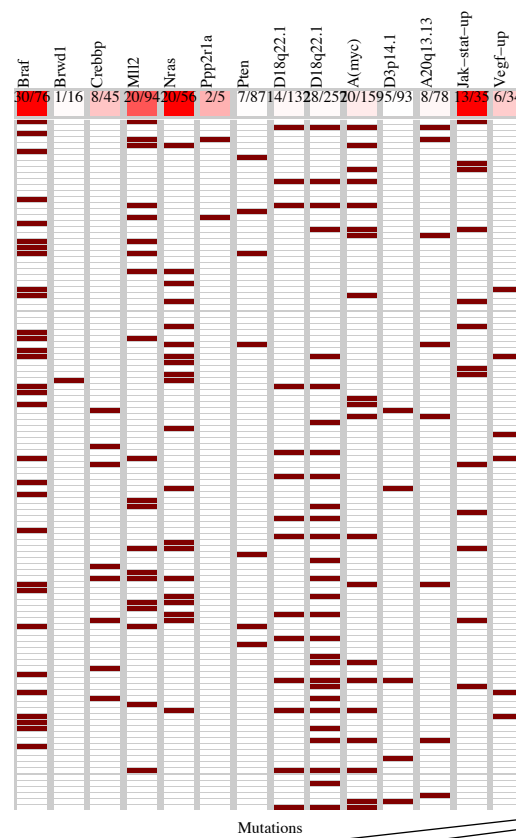
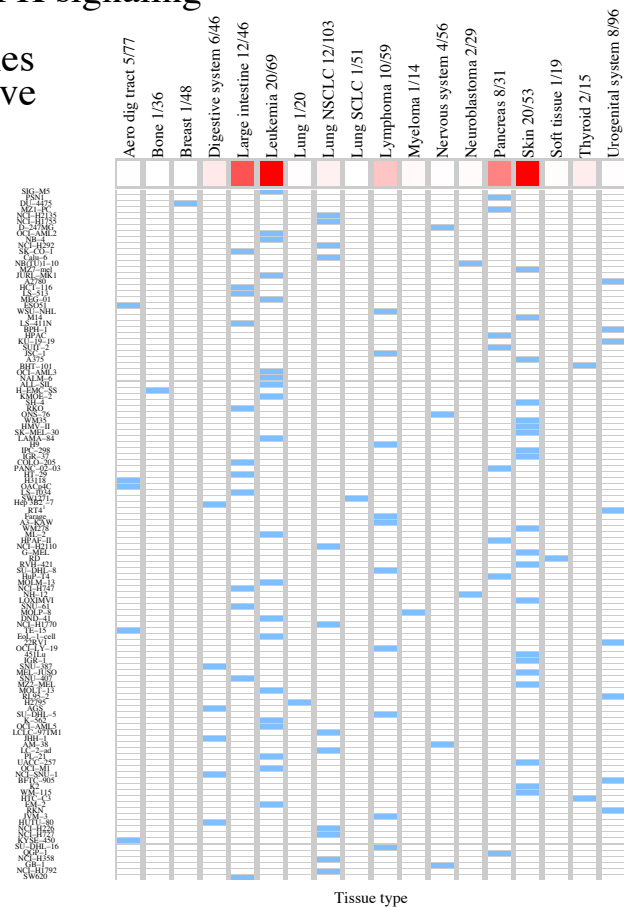
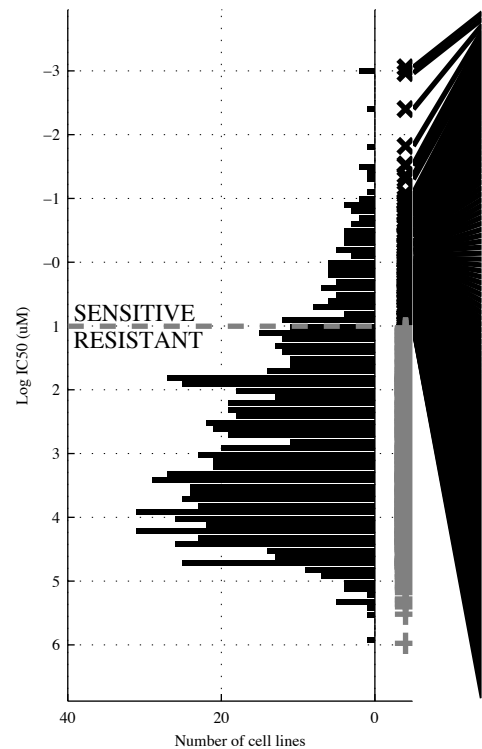






PANCAN  
 id: 262 name: VX-11e  
 target: ERK class: ERK MAPK signaling

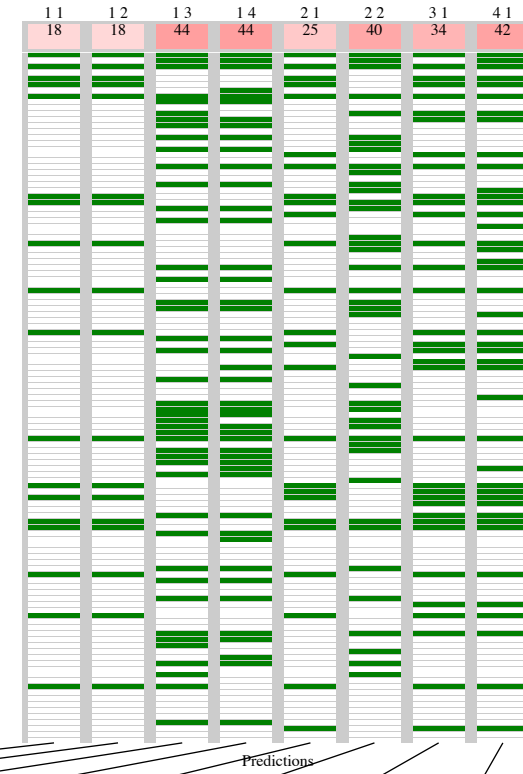
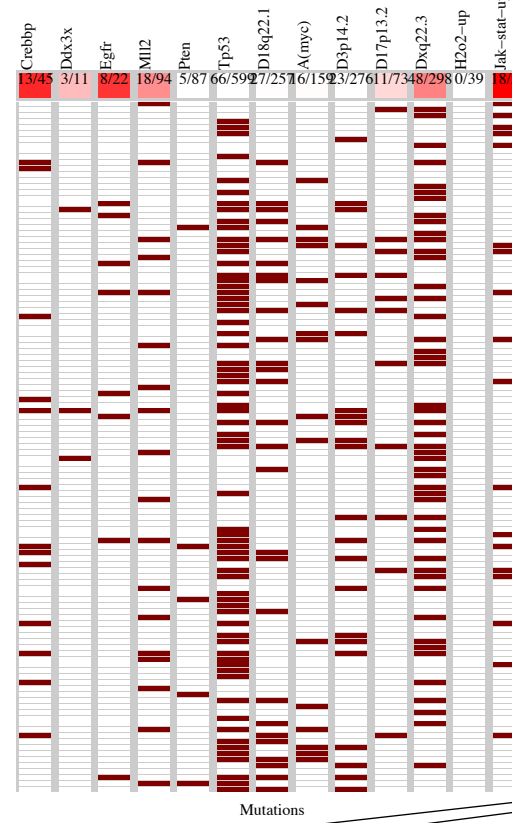
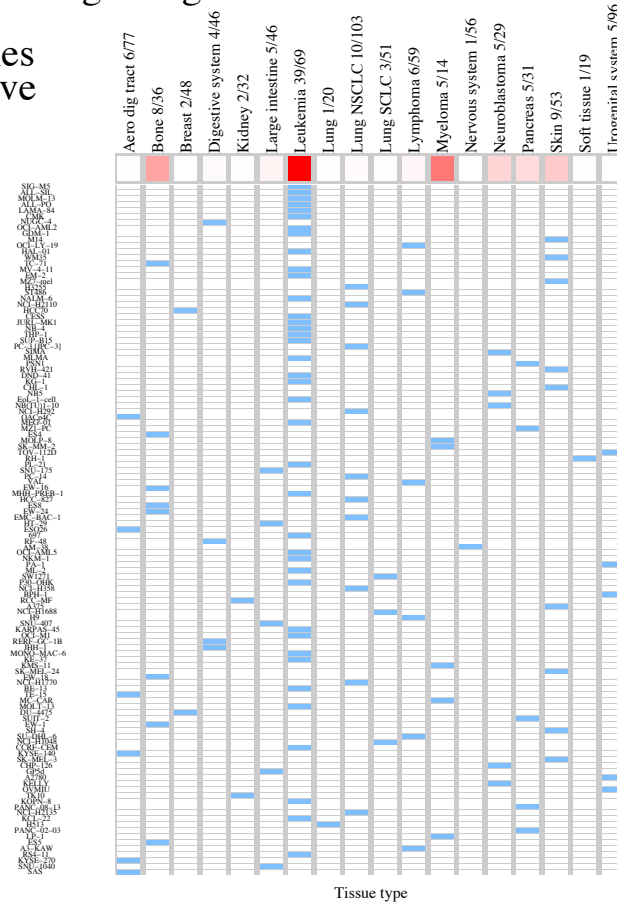
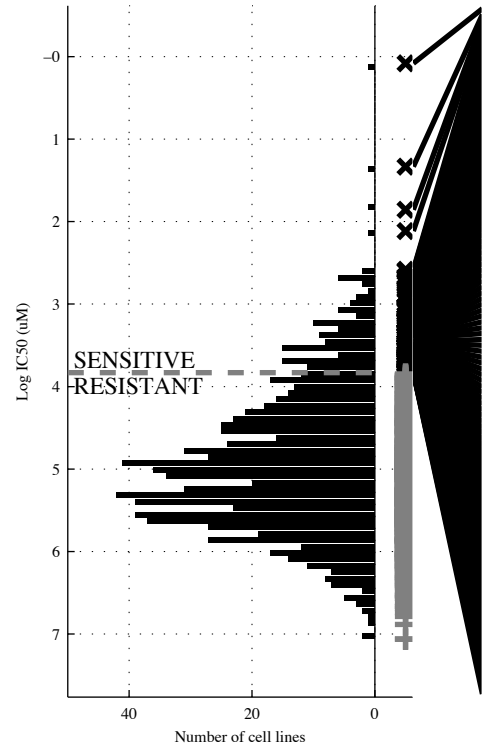
900 cell lines  
 115 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>BRAF</b>	<b>BRAF &amp; BRWD1</b>	<b>BRAF &amp; CREBBP</b> <b>-d3p14.</b>	<b>BRAF &amp; -d18q22</b> <b>-a20q13 &amp; VEGF-U</b>	<b>BRAF   NRAS</b>	[ <b>d18q22 &amp; a(MYC)</b> ]   [ <b>MLL2 &amp; -PTEN</b> ]	<b>BRAF   NRAS  </b> <b>JAK-ST</b>	<b>BRAF   NRAS  </b> <b>PPP2R1   JAK-ST</b>
TP   FP	30   46	30   42	30   38	22   21	49   82	24   68	56   100	58   103
FN   TN	85   739	85   743	85   747	93   764	66   703	91   717	59   685	57   682
Specificity	0.94	0.95	0.95	0.94	0.9	0.89	0.87	0.87
Precision	0.39	0.42	0.44	0.45	0.37	0.28	0.36	0.36
Recall	0.26	0.26	0.26	0.27	0.43	0.29	0.49	0.5

PANCAN  
 id: 263 name: FR-180204  
 target: ERK class: ERK MAPK signaling

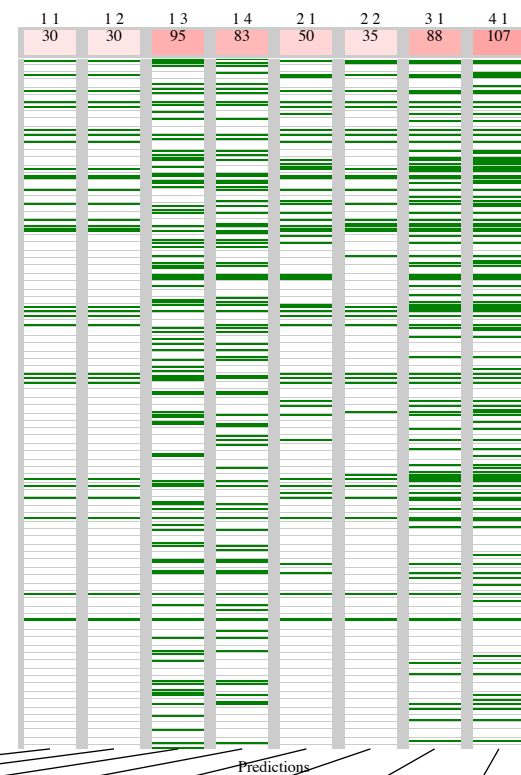
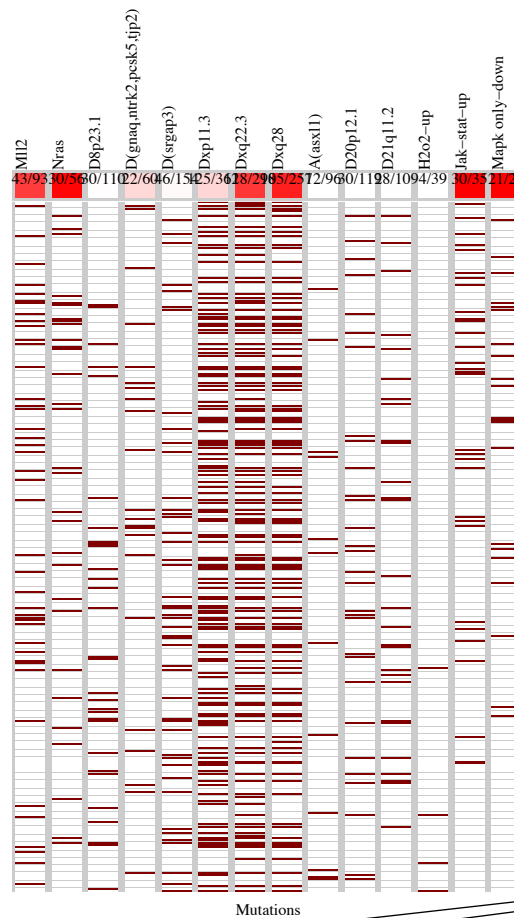
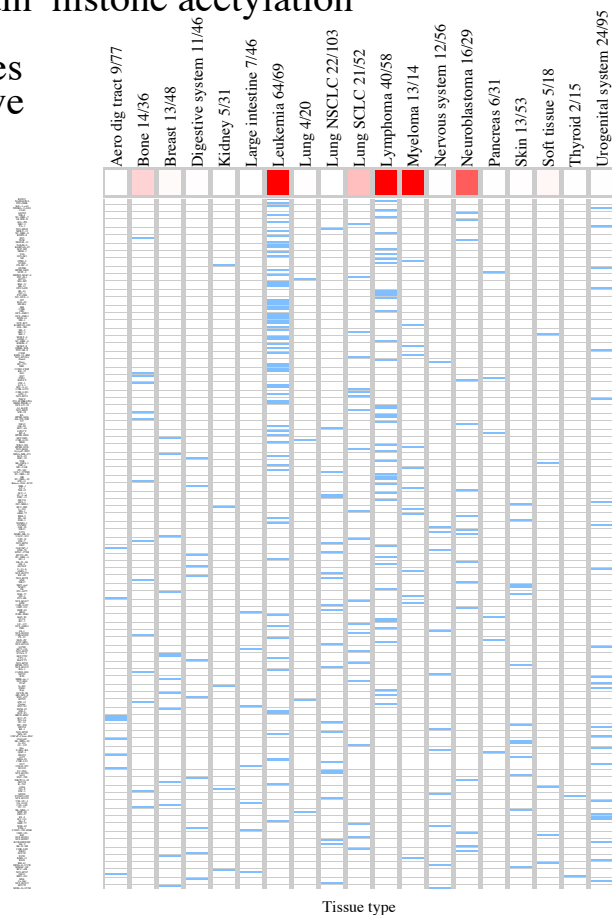
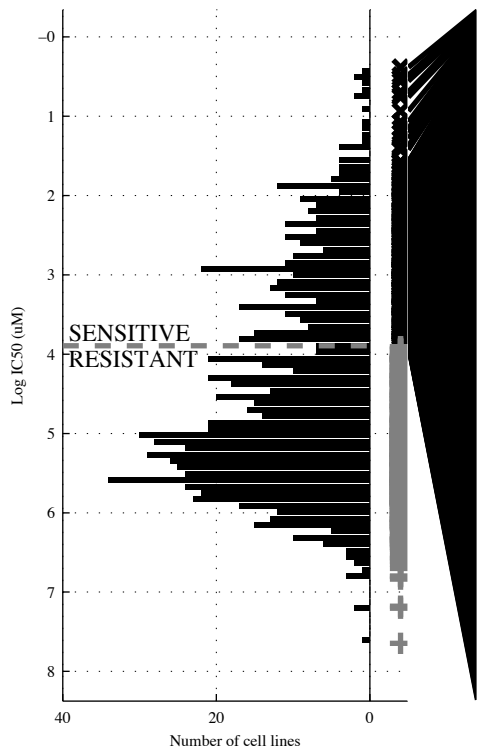
900 cell lines  
 117 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>JAK-ST</b>	<b>-DDX3X &amp; JAK-ST</b>	<b>-TP53 &amp; a(MYC &amp; -d3p14.</b>	<b>-PTEN &amp; -TP53 &amp; -d18q22.1 &amp; H2O2-U</b>	<b>EGFR   JAK-ST</b>	<b>[ MLL2 &amp; JAK-ST ]   [ -d3p14. &amp; dXq22. ]</b>	<b>CREBBP   EGFR   JAK-ST</b>	<b>CREBBP   EGFR   d17p13   JAK-ST</b>
TP   FP	18   17	18   15	44   156	44   156	25   31	40   146	34   60	42   117
FN   TN	99   766	99   768	73   627	73   627	92   752	77   637	83   723	75   666
Specificity	0.98	0.98	0.8	0.8	0.96	0.88	0.92	0.85
Precision	0.51	0.55	0.22	0.22	0.45	0.26	0.36	0.26
Recall	0.15	0.15	0.38	0.38	0.21	0.24	0.29	0.36

PANCAN  
 id: 265 name: Tubastatin A  
 target: HDAC6 class: chromatin histone acetylation

897 cell lines  
 301 sensitive

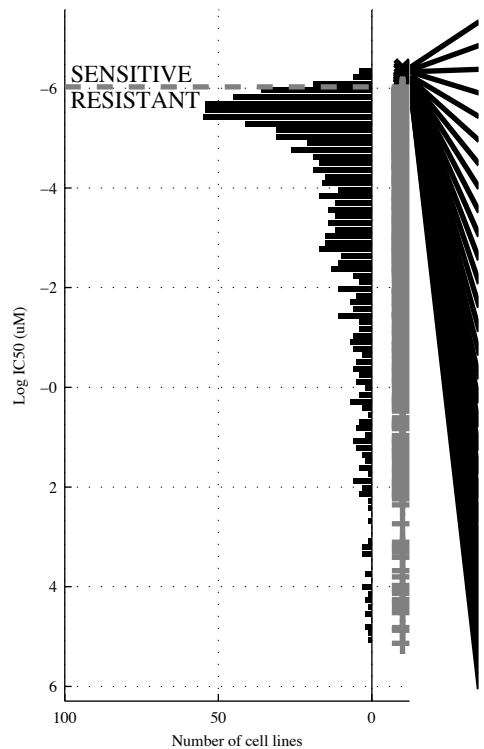


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>JAK-ST</b>	<b>~a(ASXI&amp;JAK-ST</b>	<b>~d8p23.&amp; dXq22.&amp; ~d20p12</b>	<b>~d(SRG&amp; dXp11.&amp; dXq28 &amp;H2O2-U</b>	<b>JAK-ST MAPK o</b>	<b>[~d21q11&amp;JAK-ST]   [ MLL2 &amp;d(GNAQ]</b>	<b>MLL2  JAK-ST  MAPK o</b>	<b>MLL2   NRAS   JAK-ST MAPK o</b>
TP   FP	30   5	30   4	95   107	83   80	50   10	35   5	88   59	107   80
Specificity	0.99	0.99	0.82	0.87	0.98	0.99	0.9	0.87
FN   TN	271   591	271   592	206   489	218   516	251   586	266   591	213   537	194   516
Precision	0.86	0.88	0.47	0.52	0.83	0.84	0.6	0.57
Recall	0.1	0.1	0.32	0.27	0.17	0.085	0.29	0.36

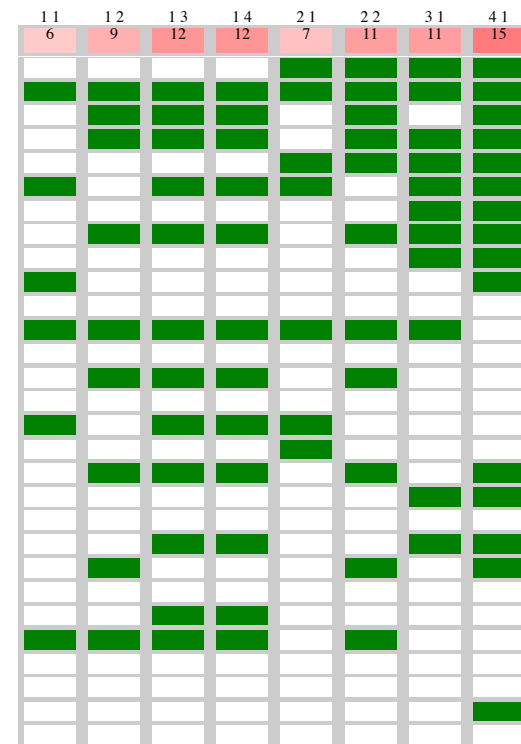
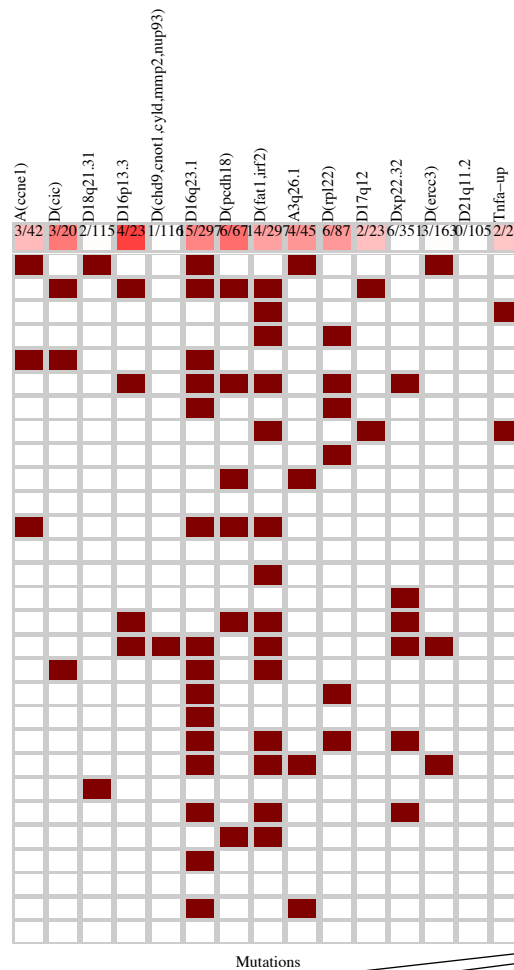
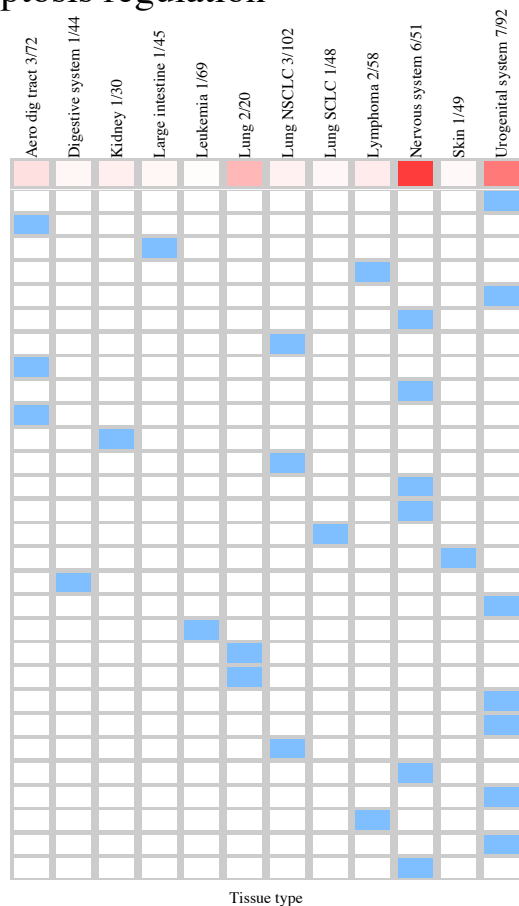


PANCAN  
 id: 268 name: YM155  
 target: BIRC5 (Survivin) class: apoptosis regulation

869 cell lines  
 29 sensitive



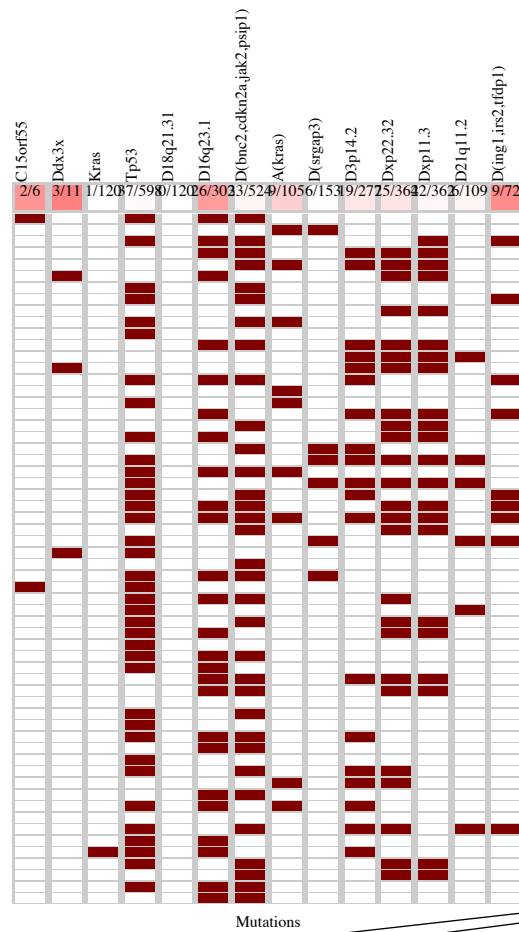
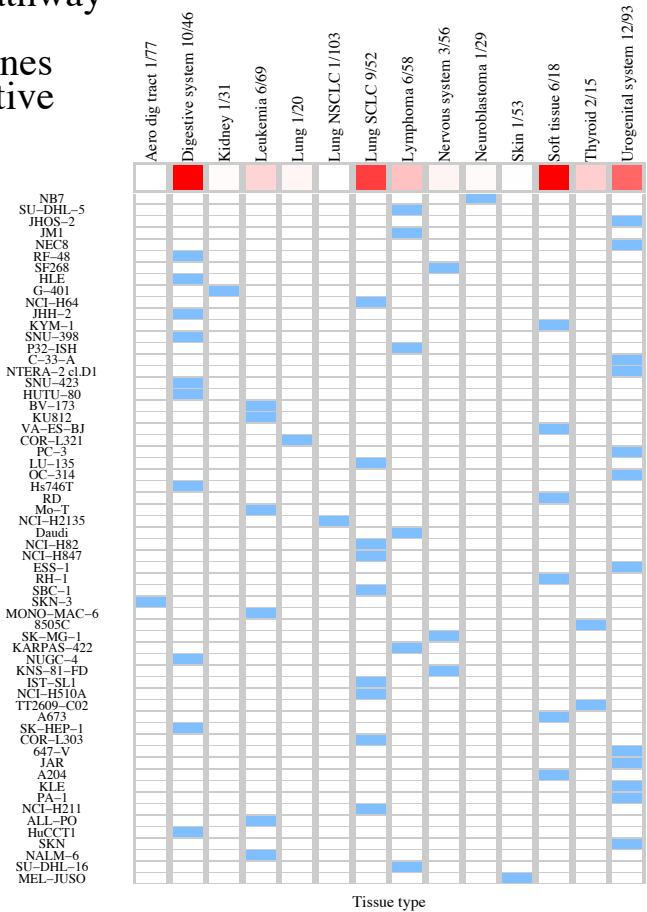
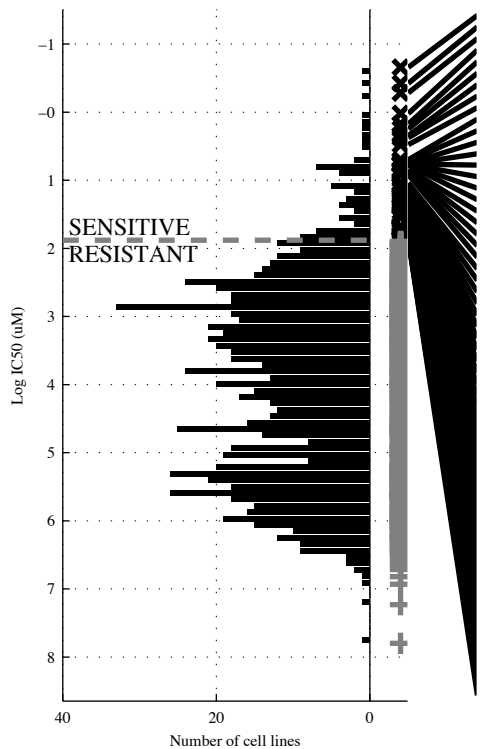
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- FLO-1
- CaR-1
- CTB-1
- KLE
- KNS-81-FD
- NCI-H292
- SCC-9
- D-423MG
- HSC-4
- OS-RC-2
- NCI-H661
- KS-1
- KALS-1
- LU-139
- UACC-257
- Hs746T
- PC-3
- GR-ST
- H2595
- H2373
- EFO-21
- SW962
- ABC-1
- no-10
- OVMIU
- DB
- JHOS-2
- no-11



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d(PCDH)</b>	<b>d(FAT1&amp;-dXp22.)</b>	<b>-d18q21&amp;d(FAT1&amp;-d(ERCC)</b>	<b>-d(CHD&amp;d(FAT1&amp;-d(ERC&amp;-d21q11</b>	<b>a(CCNE   d16p13</b>	<b>[ d(FAT1&amp;-dXp22.)   a(CCNE&amp;d16q23 ]</b>	<b>a(CCNE   d(RPL2   d17q12</b>	<b>d(CIC)   a3q26.   d(RPL2   TNFa-U</b>
TP   FP	6   61	9   138	12   164	12   138	7   58	11   147	11   134	15   153
Specificity	0.93	0.84	0.8	0.84	0.93	0.82	0.84	0.82
FN   TN	23   779	20   702	17   676	17   702	22   782	18   693	18   706	14   687
Precision	0.09	0.061	0.068	0.08	0.11	0.07	0.076	0.089
Recall	0.21	0.31	0.41	0.41	0.24	0.38	0.38	0.52

PANCAN  
 id: 269 name: NSC-207895  
 target: MDM4 class: p53 pathway

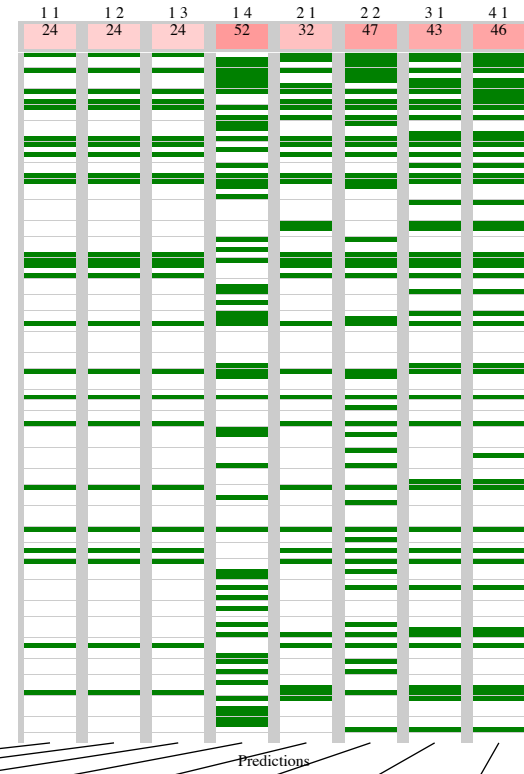
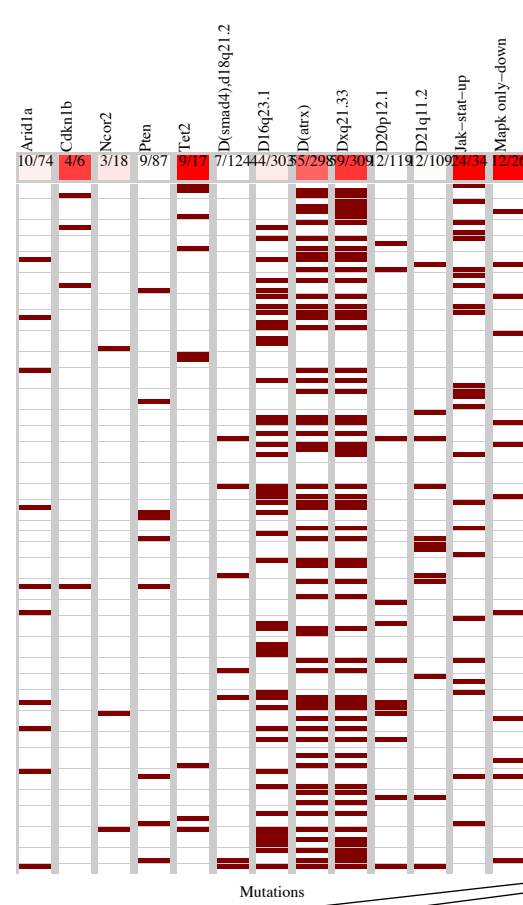
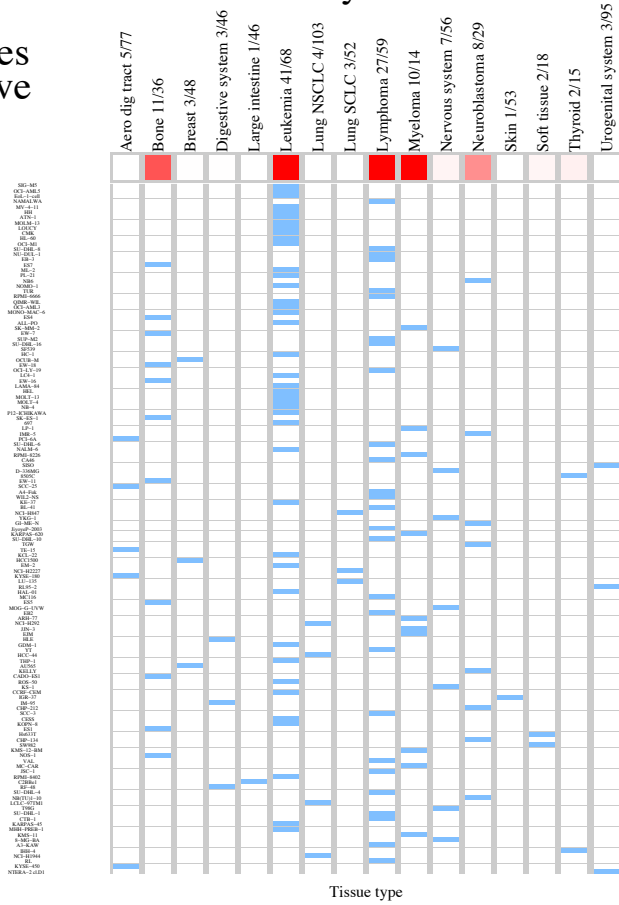
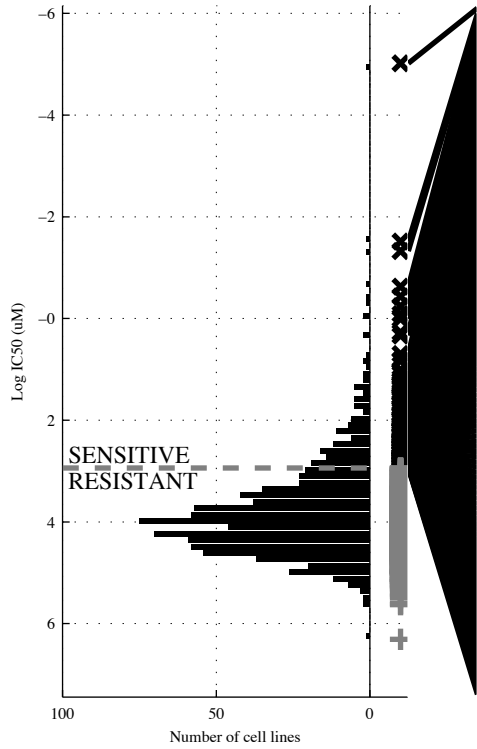
895 cell lines  
 60 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d(ING1)</b>	<b>-TP53 &amp; dXp22.</b>	<b>-TP53 &amp; d(SRGA&amp; dXp11.</b>	<b>-KRAS&amp;d18q21&amp; d16q23 &amp; d21q11</b>	<b>a(KRAS   d(ING1</b>	<b>[ -TP53 &amp; d3p14. ]   [ -TP53 &amp; d(BNC2]</b>	<b>DDX3X   a(KRAS   d(ING1</b>	<b>C15orf   DDX3X   a(KRAS   d(ING1</b>
TP   FP Specificity	9   63 0.92	14   112 0.87	13   88 0.89	25   160 0.81	17   152 0.82	15   131 0.87	20   159 0.81	22   163 0.8
FN   TN Precision	51   772 0.13	46   723 0.11	47   747 0.13	35   675 0.14	43   683 0.1	45   704 0.12	40   676 0.11	38   672 0.12
Recall	0.15	0.23	0.22	0.42	0.28	0.22	0.33	0.37

PANCAN  
 id: 271 name: VNLG124  
 target: HDAC, RAR class: chromain histone acetylation

897 cell lines  
 131 sensitive

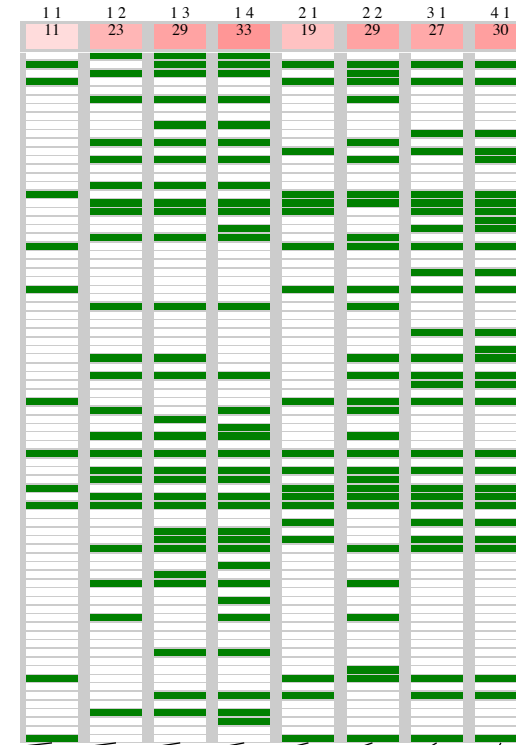
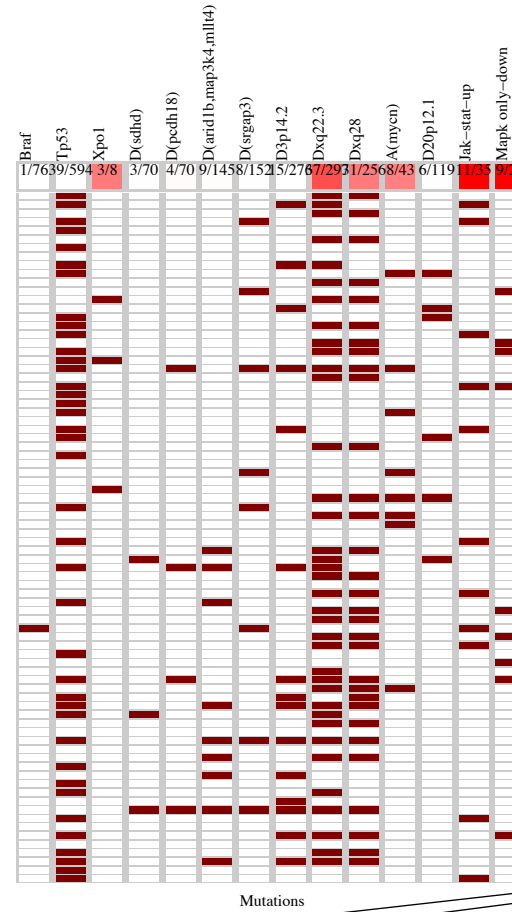
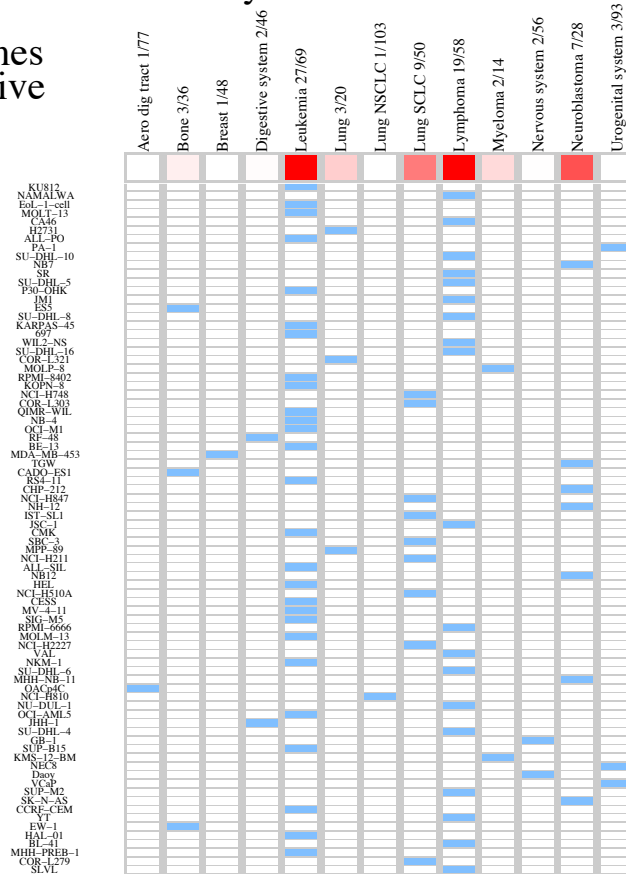
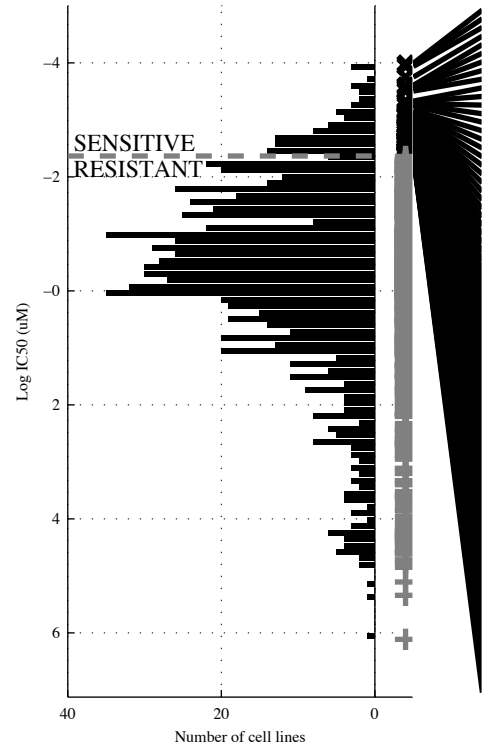


Model name	11	12	13	14	21	22	31	41
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>JAK-ST</b>	<b>~ARID1A &amp; JAK-ST</b>	<b>~ARID1A &amp; NCOR2 &amp; JAK-ST</b>	<b>~PTEN &amp; d(SMA) &amp; d(Xq21.1) &amp; d(21q11)</b>	<b>TET2   JAK-ST</b>	<b>[~d20p12 &amp; JAK-ST]   [~d16q23 &amp; d(17ATR)]</b>	<b>TET2   JAK-ST   MAPK o</b>	<b>CDKN1B   TET2   JAK-ST   MAPK o</b>
Specificity	24   10 0.99	24   7 0.99	24   5 0.99	52   145 0.82	32   18 0.98	47   151 0.88	43   32 0.96	46   34 0.96
Precision	107   756 0.71	107   759 0.77	107   761 0.83	79   621 0.27	99   748 0.64	84   615 0.46	88   734 0.57	85   732 0.57
Recall	107   756 0.18	107   759 0.18	107   761 0.18	79   621 0.38	99   748 0.24	84   615 0.33	88   734 0.33	85   732 0.35



PANCAN  
 id: 272 name: AR-42  
 target: HDAC class: chromain histone acetylation

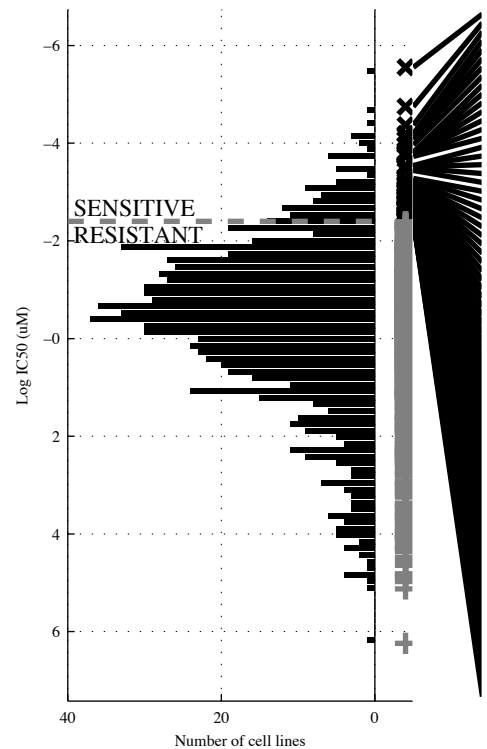
891 cell lines  
 80 sensitive



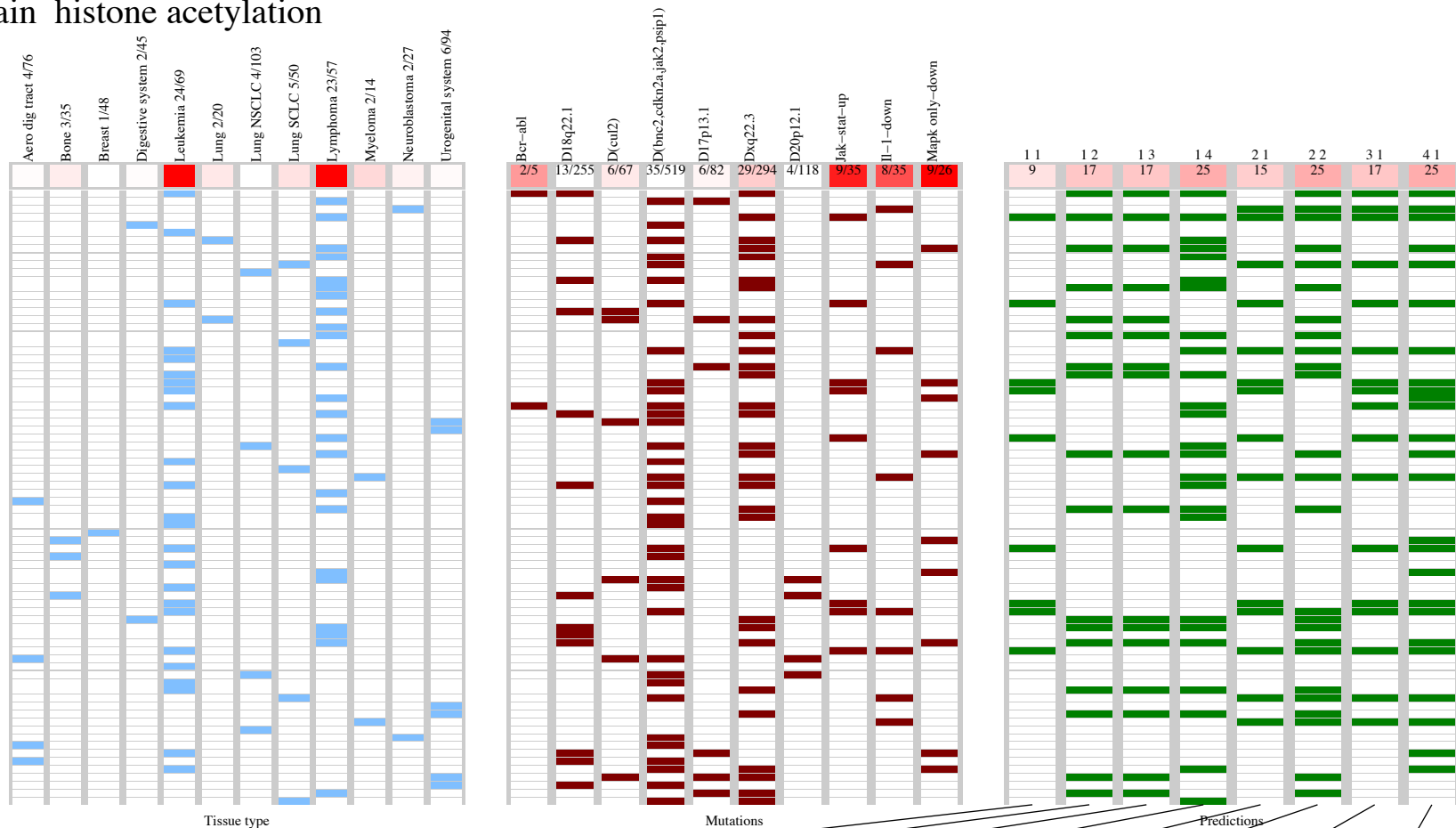
Model name	11	12	13	14	21	22	31	41
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>JAK-ST</b>	<b>-d3p14.&amp; dXq28</b>	<b>-d(AR11&amp;d(SRGA&amp; dXq22.</b>	<b>-BRAF&amp;d(SDHI&amp; dXq22.&amp;-d20p12</b>	<b>JAK-ST MAPK o</b>	<b>[ -d(PCDI&amp;JAK-ST)   [-TP53 &amp; dXq28 ]</b>	<b>a(MYCNIJAK-STI MAPK o</b>	<b>XPO1 la(MYCNI JAK-ST MAPK o</b>
TP   FP Specificity	11   24 0.97	23   131 0.84	29   160 0.8	33   156 0.81	19   41 0.95	29   105 0.91	27   76 0.91	30   81 0.9
FN   TN Precision	69   787 0.31	57   680 0.15	51   651 0.15	47   655 0.17	61   770 0.32	51   706 0.24	53   735 0.26	50   730 0.27
Recall	0.14	0.29	0.36	0.41	0.24	0.27	0.34	0.38

PANCAN  
 id: 273 name: CUDC-101  
 target: HDAC, EGFR class: chromain histone acetylation

883 cell lines  
 78 sensitive



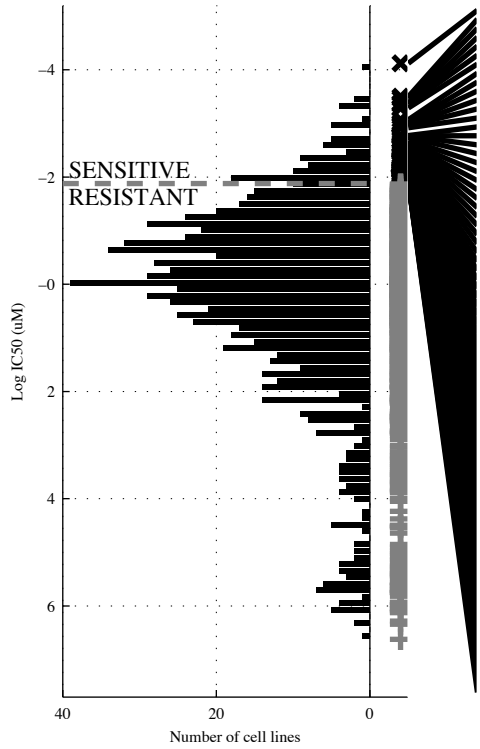
- KU812
- SU-DHL-16
- NBI2
- NAMALWA
- JHEU
- ALL-PO
- H737
- WIL2-NS
- SR
- NCI-H2227
- HCC-827
- SU-DHL-10
- SU-DHL-8
- C636
- MOLT-13
- S1486
- COR-L321
- NU-DUL-1
- COR-L303
- ALL-SIL
- KOPN-8
- BL-c1
- MHH-PRE1-1
- RPMI-8402
- NB-4
- SU-DHL-5
- BV-173
- OCL-15-19
- BPH-1
- SVL
- SVL
- NCI-H810
- SU-DHL-9
- BE-13
- IS7-SIL1
- MOLP-8
- OCL-AML5
- DB
- H18
- SU-DHL-4
- EoL-1-cel
- P12-CHIKAWA
- MDA-MB-453
- HES
- KARPAS-45
- EW-18
- LOUCY
- VAL
- JMI
- RSL-11
- ES3
- SIG-M5
- OCLE-FEM
- RE-48
- MCH16
- Y1
- RPMI-6666
- DND-4
- R-1A
- QINR-WIL
- NCI-H292
- PE-382
- MV-4-11
- NCI-H847
- FA-1
- IC-9
- KMS-15-BM
- NCI-H522
- NBI3
- OAC64C
- MLMA
- TE-15
- SUP-11
- OAW-28
- SW637
- P32-ISH
- SBC-3



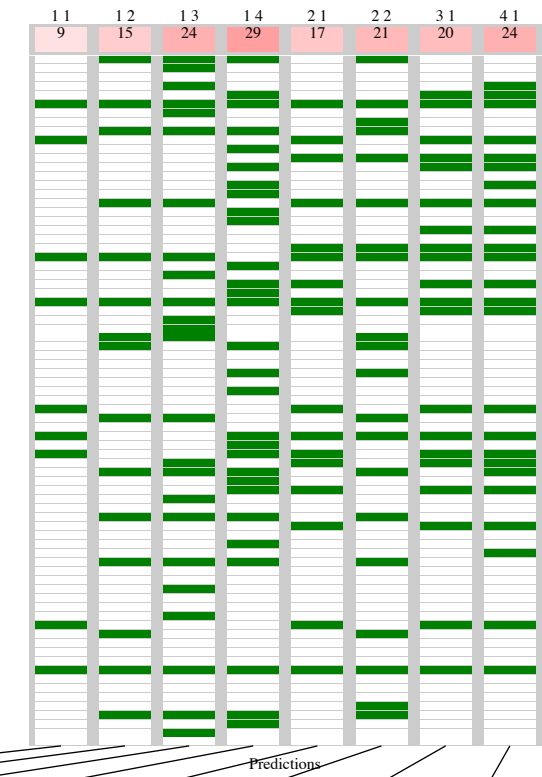
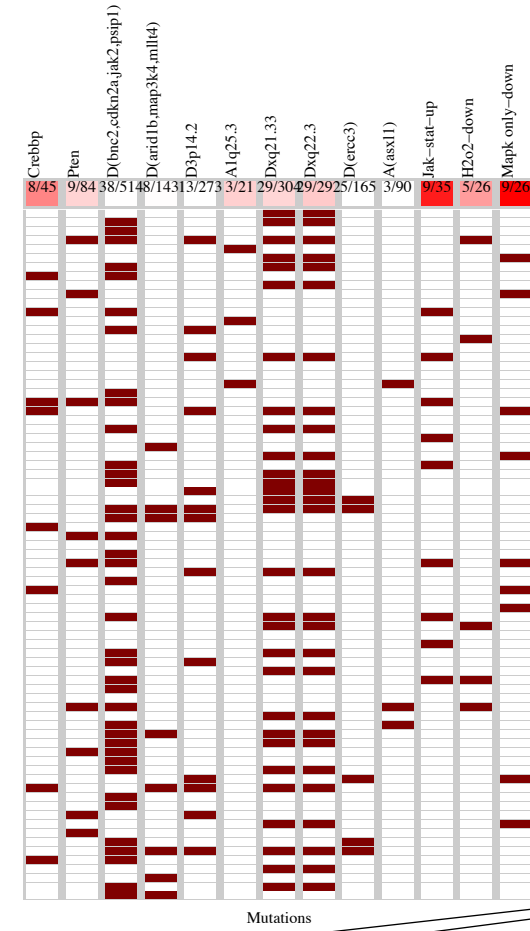
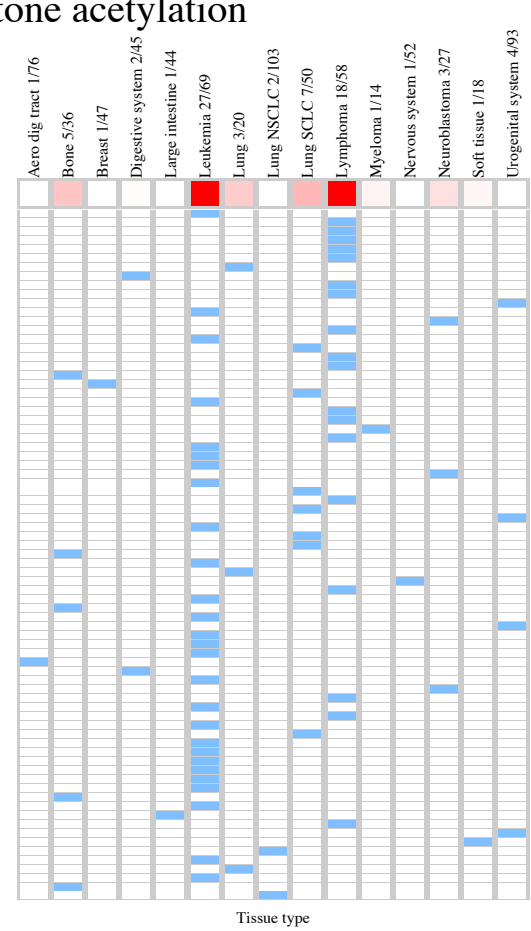
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>JAK-ST</b>	<b>-d(BNC&amp;dXq22.</b>	<b>-d(BNC&amp;dXq22.&amp;</b>	<b>-d(CUL&amp;-d17p13&amp;</b>	<b>JAK-ST  IL-1-D</b>	<b>[ -d18q22&amp;IL-1-D ]</b>	<b>BCR-ABIJAK-ST </b>	<b>BCR-ABIJAK-ST </b>
			<b>-d20p12</b>	<b>dXq22.&amp;-d20p12</b>		<b> </b>	<b>IL-1-D</b>	<b>IL-1-D  MAPK o</b>
TP   FP Specificity	9   26 0.97	17   84 0.9	17   68 0.92	25   155 0.81	15   50 0.94	25   102 0.85	17   51 0.94	25   67 0.92
FN   TN Precision	69   779 0.26	61   721 0.17	61   737 0.2	53   650 0.17	63   755 0.23	53   703 0.17	61   754 0.25	53   738 0.27
Recall	0.12	0.22	0.22	0.39	0.19	0.31	0.22	0.32

PANCAN  
 id: 274 name: PDX101, Belinostat  
 target: HDAC class: chromain histone acetylation

875 cell lines  
 77 sensitive



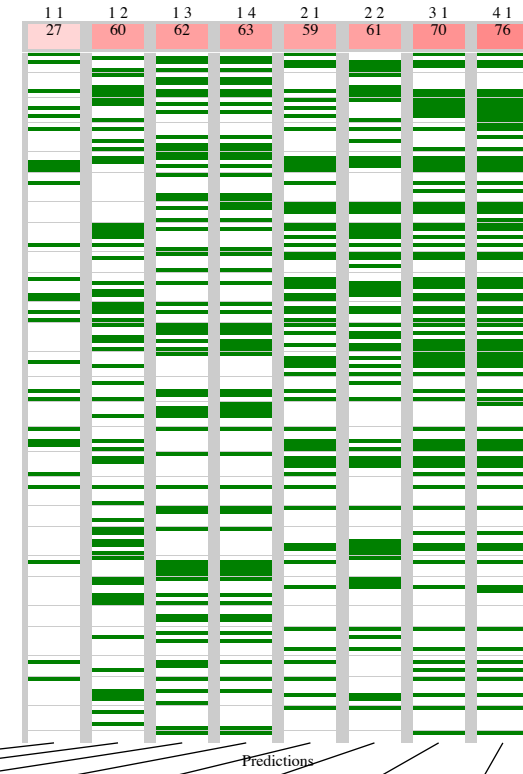
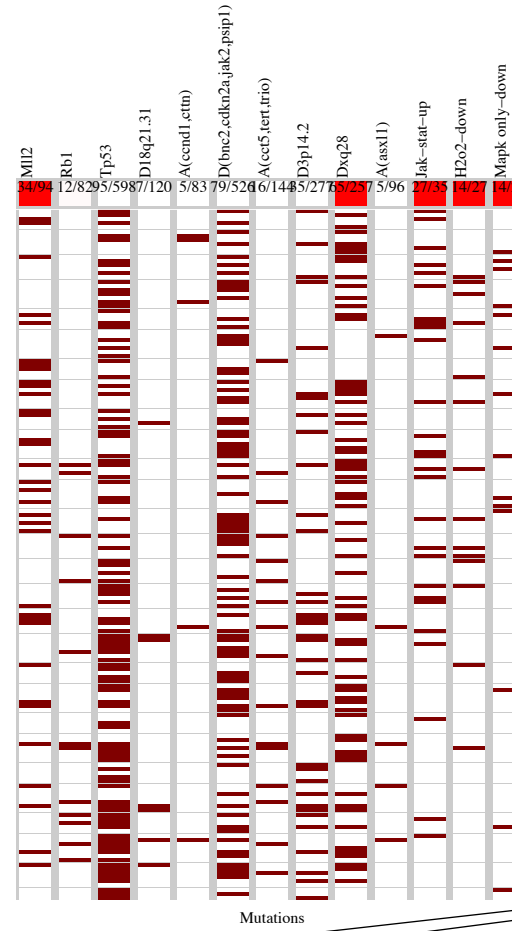
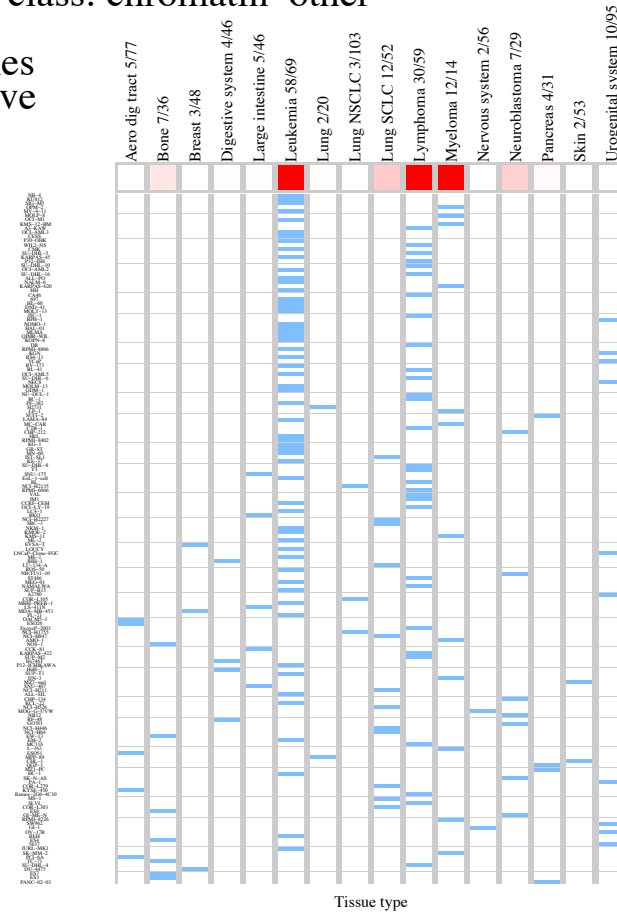
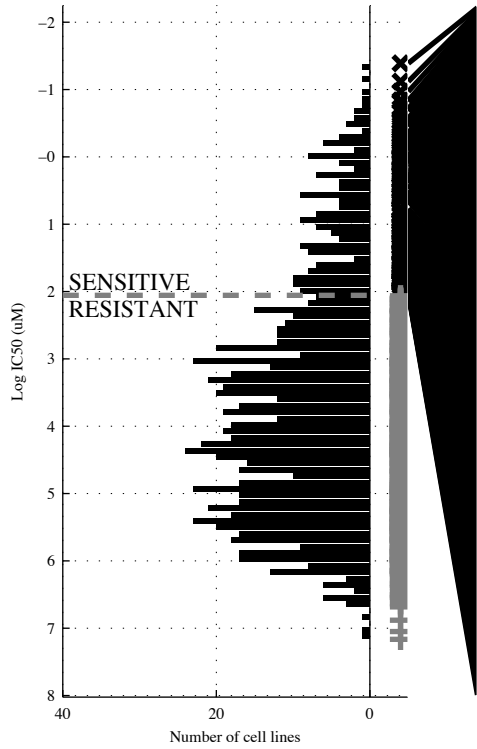
- KU812
- SK
- SU-DHL-16
- SU-DHL-10
- C636
- WIL2-NS
- H723
- JHE-1
- SI-DHL-8
- SI-DHL-3
- SI-DHL-5
- MOLT-13
- NI12
- IM1
- AL1-PO
- COE-1303
- NAMALWA
- DR
- ES
- MDA-MB-453
- NCI-H222
- KARPAS-45
- SU-DHL-6
- YT
- MOLP-8
- SLV1
- LOUCY
- 697
- CMK
- CHP-212
- P30-OHK
- LU-135
- NU-DLIL-1
- NCI-H211
- NEC8
- OCL-M1
- NCI-H847
- IST-SL1
- ES-18
- RPMI-8402
- COE-1221
- Daoy
- VAL
- KOPN-8
- HEP
- HEP
- vcap
- QIMB-WIL
- SIG-M5
- OCL-AML5
- OAC-C4C
- FE-88
- CCRF-CEM
- NBL3
- NCI
- MOLT-4
- BI-41
- BE-13
- SRC-3
- AL1-SIL
- FE-22
- P12-KHKAWA
- NALM-6
- M1A
- MHH-PRER-1
- CHAD108
- RS4-11
- ES-41N
- RPMI-6666
- LNcap-Clone-FGC
- RII
- NCI-H810
- HML-01
- MPP-89
- RPMI-8866
- SK-ES-1
- NCI-H1755



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MAPK o</b>	<b>~d(BNC&amp;dXq21.</b>	<b>~d(ARIIdXq22.&amp;</b> <b>~d(ERCC</b>	<b>~PTEN&amp;d(BNC&amp;</b> <b>~d3p14.&amp;a(ASXL</b>	<b>JAK-STIMAPK o</b>	<b>[CREBBId3p14.]</b> <b> </b> <b>[~d(BNC&amp;dXq22. ]</b>	<b>a1q25.  JAK-STI</b>  <b>MAPK o</b>	<b>a1q25.  JAK-STI</b>  <b>H2O2-DIMAPK o</b>
TP   FP	9   17	15   88	24   157	29   159	17   43	21   102	20   61	24   71
Specificity	0.98	0.89	0.8	0.8	0.95	0.84	0.92	0.91
FN   TN	68   781	62   710	53   641	48   639	60   755	56   696	57   737	53   727
Precision	0.35	0.15	0.13	0.15	0.28	0.16	0.25	0.25
Recall	0.12	0.19	0.31	0.38	0.22	0.31	0.26	0.31

PANCAN  
 id: 275 name: I-BET 151  
 target: BRD2, BRD3, BRD4 class: chromatin other

898 cell lines  
 166 sensitive

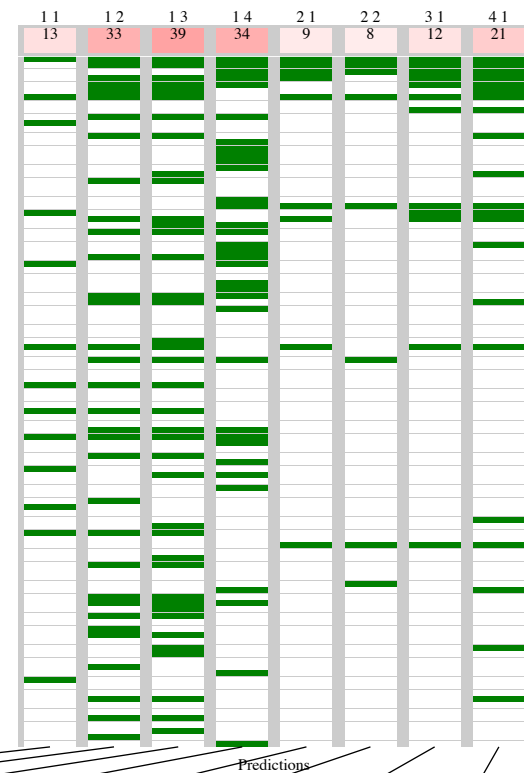
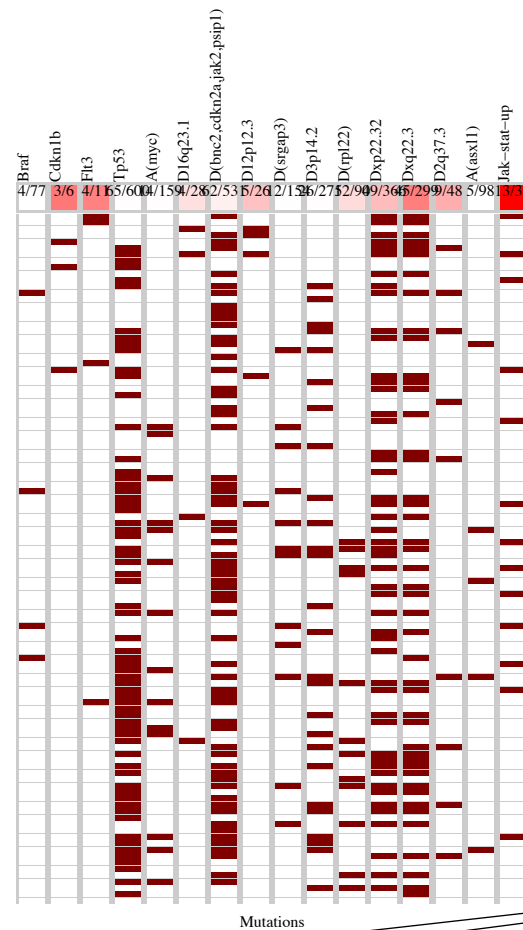
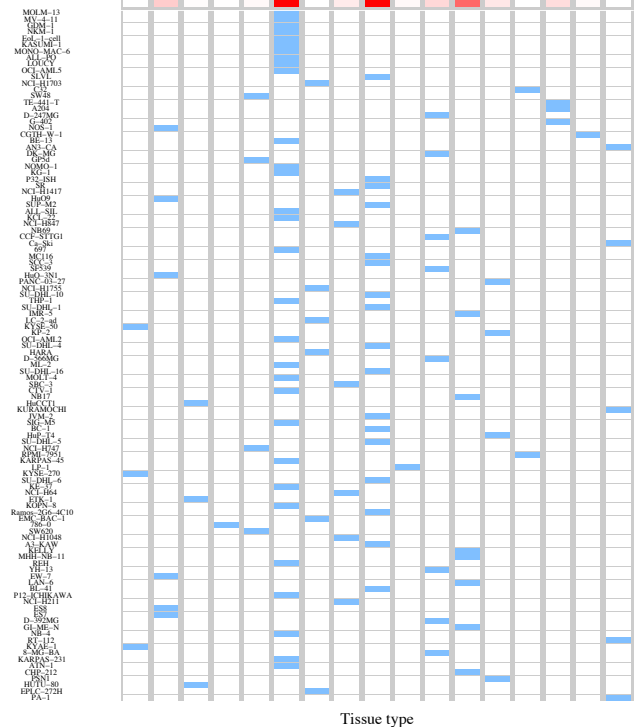
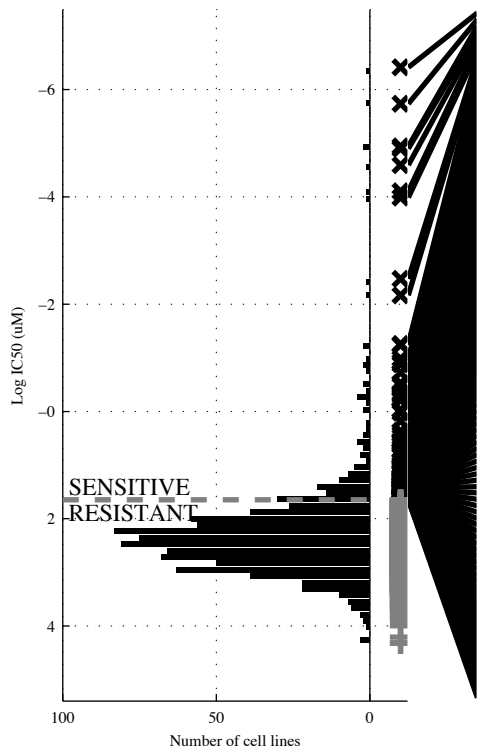


Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
M																
Logic formula	<b>JAK-ST</b>		<b>-d18q21 &amp; dXq28</b>		<b>-d(BNC2) &amp; a(CCT5)</b>		<b>-RB1 &amp; d(BNC2)</b>		<b>MLL2   JAK-ST</b>		<b>[ -TP53 &amp; dXq28 ]</b>		<b>MLL2   JAK-ST  </b>		<b>MLL2   JAK-ST  </b>	
					<b>-d3p14.</b>		<b>-d3p14. &amp; a(ASXL1)</b>				<b>[ MLL2 &amp; a(CCND) ]</b>		<b>MAPK o</b>		<b>H2O2-DIMAPK o</b>	
TP	27	8	60	145	62	142	63	131	59	67	61	123	70	78	76	86
FP	8	0.99	145	0.82	142	0.8	131	0.82	67	0.91	123	0.9	78	0.89	86	0.88
FN	139	0.77	106	587	104	590	103	601	107	665	105	609	96	654	90	646
TN	724	0.77	587	0.3	590	0.31	601	0.33	665	0.47	609	0.6	654	0.47	646	0.47
Recall		0.16		0.33		0.38		0.38		0.36		0.23		0.42		0.46



PANCAN  
 id: 277 name: ABT-869  
 target: VEGFR and PDGFR family class: RTK signaling

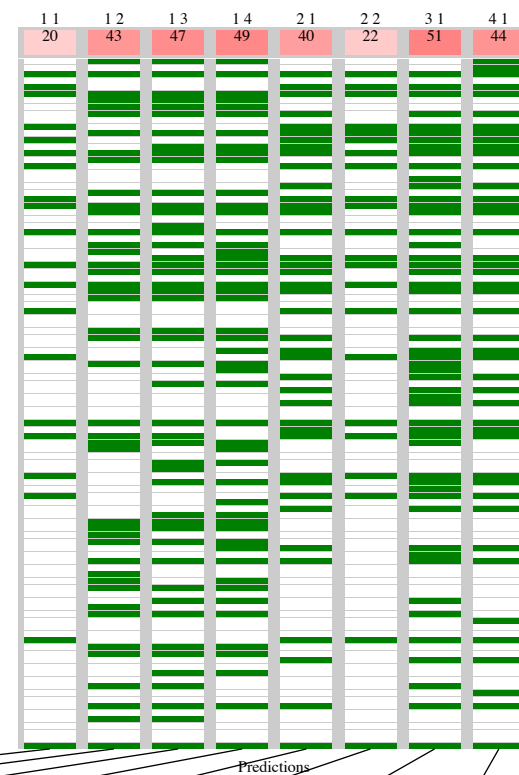
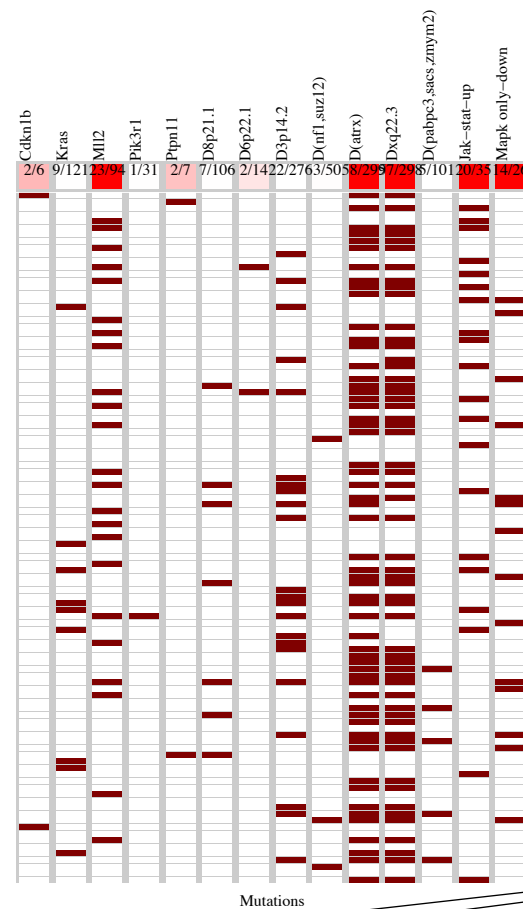
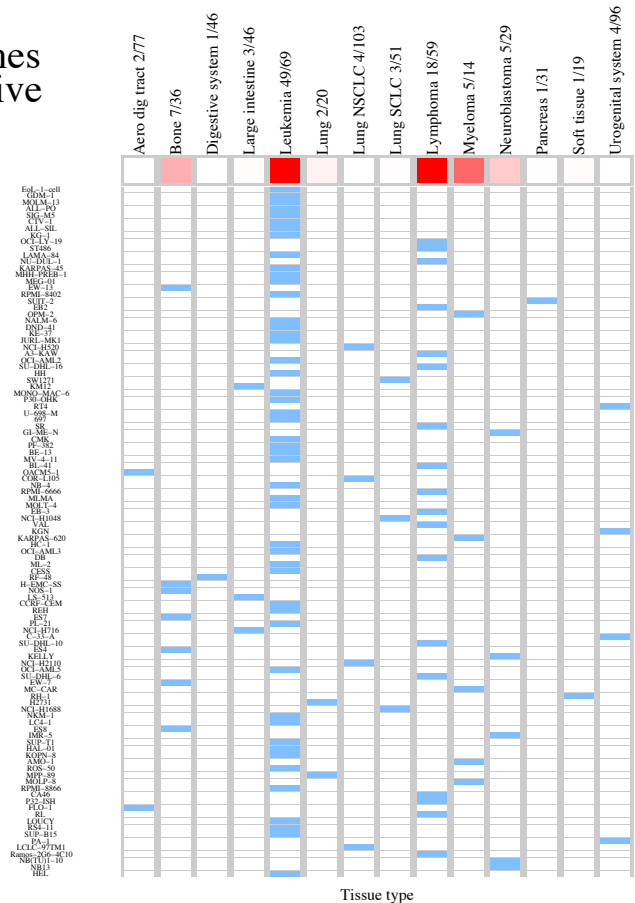
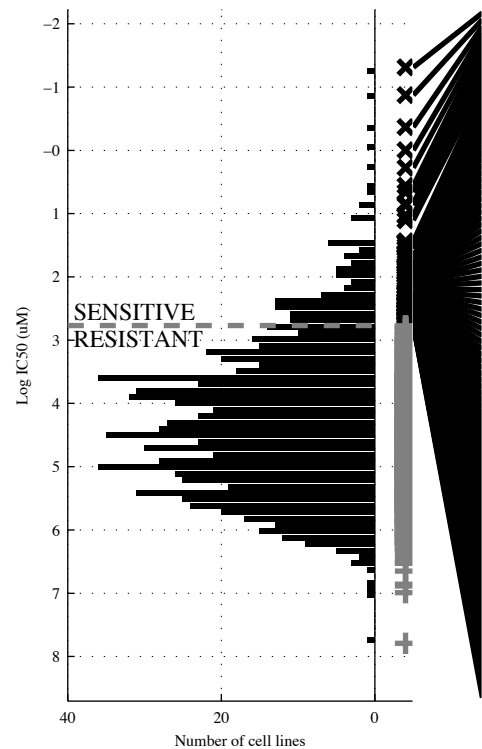
902 cell lines  
 108 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>JAK-ST</b>	<b>-d3p14.&amp; dXq22.</b>	<b>-d(SRG.&amp; dXp22.&amp; dXq22.</b>	<b>-BRAF&amp; -TP53 &amp; -a(MYC&amp;d(RPL2</b>	<b>FLT3   d12p12</b>	<b>[ d16q23&amp;d(BNC2]   [ FLT3 &amp;a(ASXL]</b>	<b>CDKN1B  FLT3   d12p12</b>	<b>CDKN1B  FLT3   d12p12   d2q37.</b>
TP   FP	13   22	33   152	39   158	34   152	9   28	8   12	12   31	21   65
Specificity	0.97	0.81	0.8	0.81	0.96	0.98	0.96	0.92
FN   TN	95   772	75   642	69   636	74   642	99   766	100   782	96   763	87   729
Precision	0.37	0.18	0.2	0.18	0.24	0.4	0.28	0.24
Recall	0.12	0.31	0.36	0.31	0.083	0.074	0.11	0.19

PANCAN  
 id: 279 name: BIX02189  
 target: MAP2K5 (MEK5) class: other

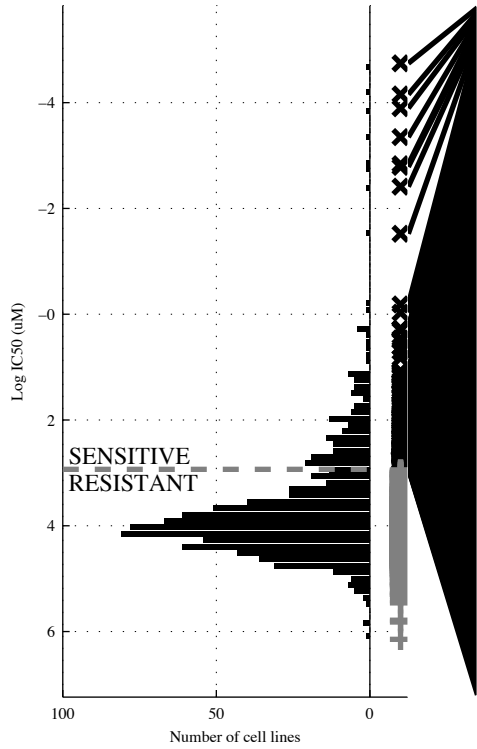
900 cell lines  
 105 sensitive



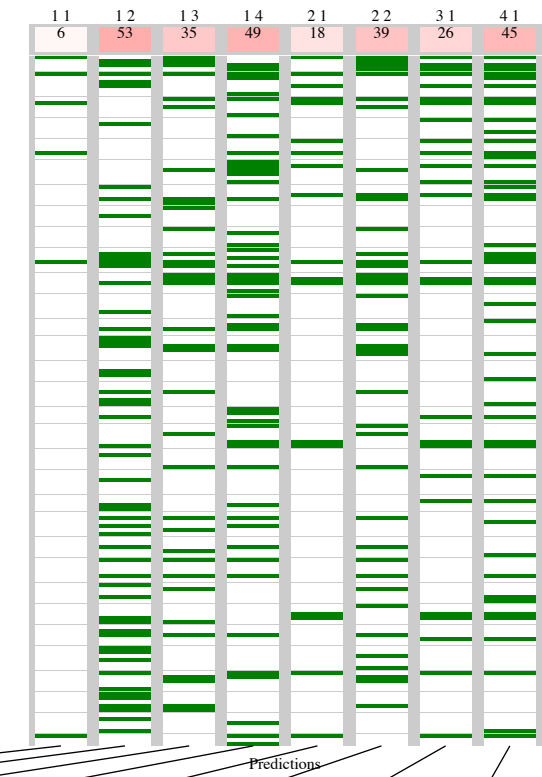
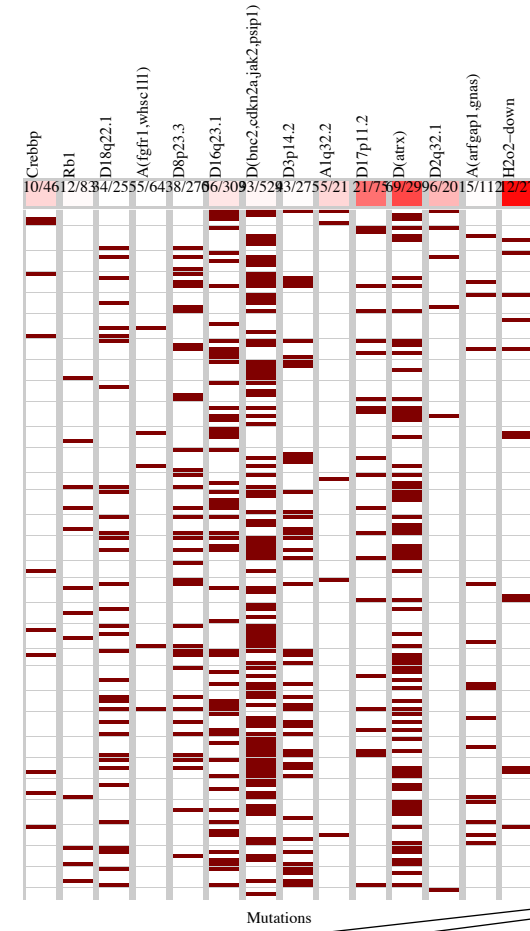
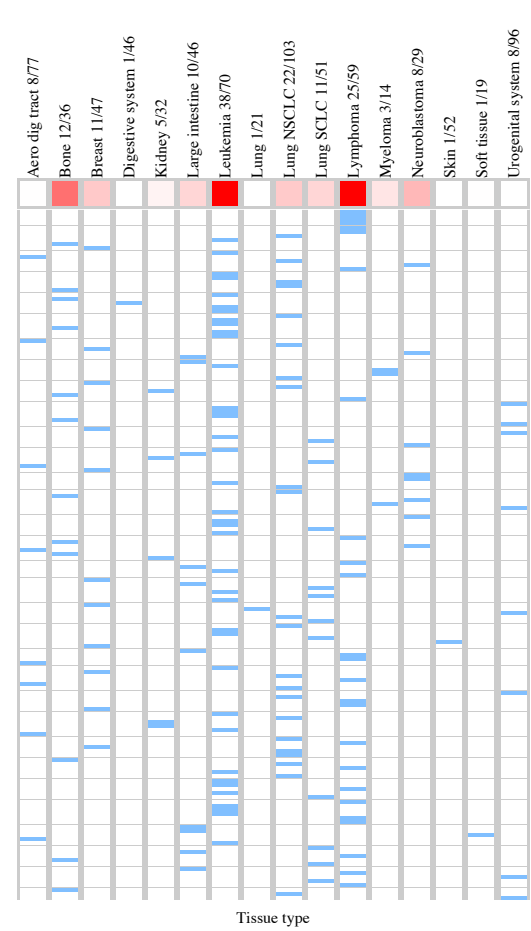
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>JAK-ST</b>	<b>-d3p14.&amp; dXq22.</b>	<b>-d8p21.&amp; dXq22.&amp; -d(PABP</b>	<b>-KRAS&amp;-d(NF1&amp; d(ATRX&amp;d(PABP</b>	<b>MLL2  JAK-ST</b>	<b>[ MLL2 &amp; d6p22. ]   [-PIK3R&amp;JAK-ST]</b>	<b>MLL2  JAK-ST  MAPK o</b>	<b>CDKN1B  MLL2   PTPN11  JAK-ST</b>
TP   FP	20   15	43   141	47   156	49   141	40   86	22   14	51   97	44   91
Specificity	0.98	0.82	0.8	0.82	0.89	0.99	0.88	0.88
FN   TN	85   780	62   654	58   639	56   654	65   709	83   781	54   698	61   704
Precision	0.57	0.23	0.24	0.26	0.32	0.63	0.34	0.34
Recall	0.19	0.41	0.47	0.47	0.38	0.16	0.49	0.49

PANCAN  
 id: 281 name: CH5424802  
 target: ALK class: RTK signaling

899 cell lines  
 165 sensitive



899 cell lines  
 165 sensitive



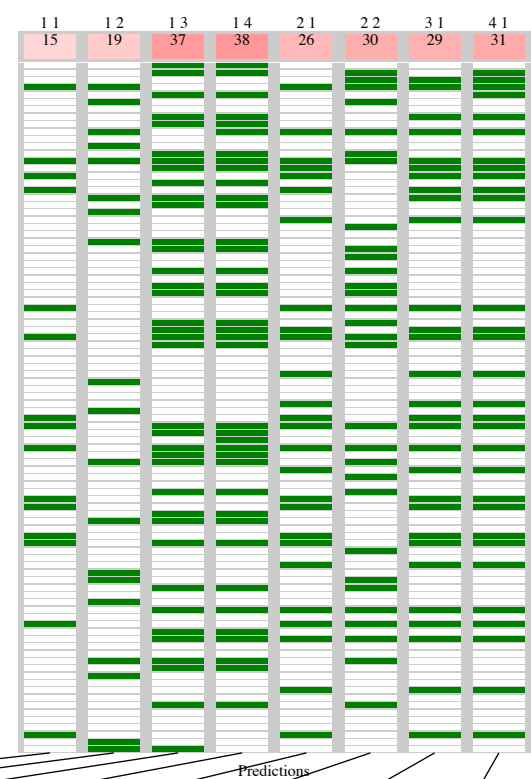
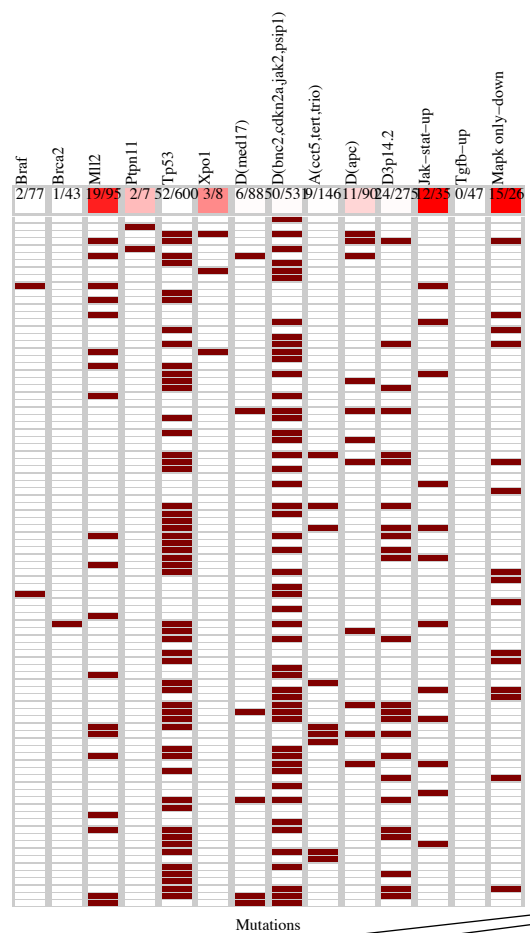
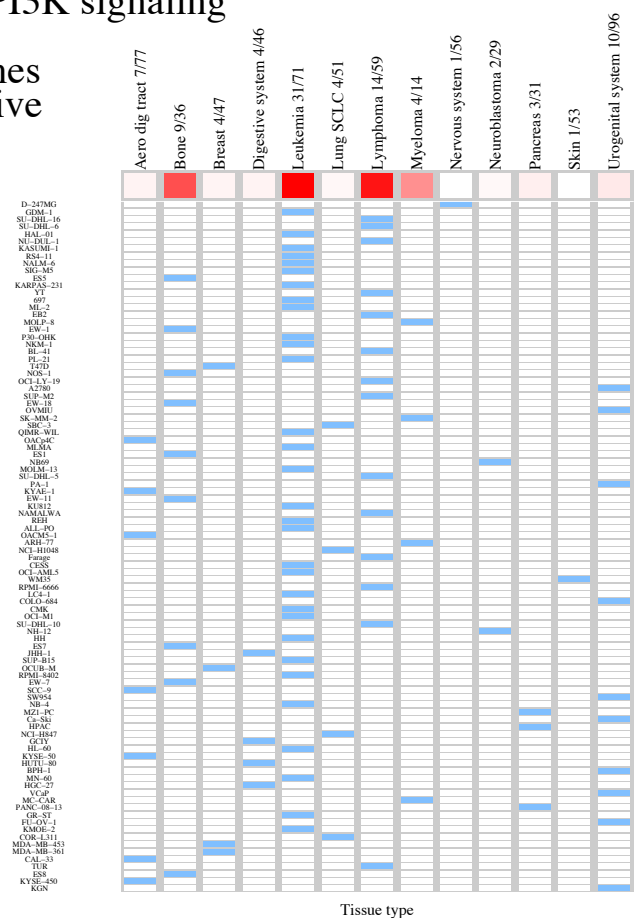
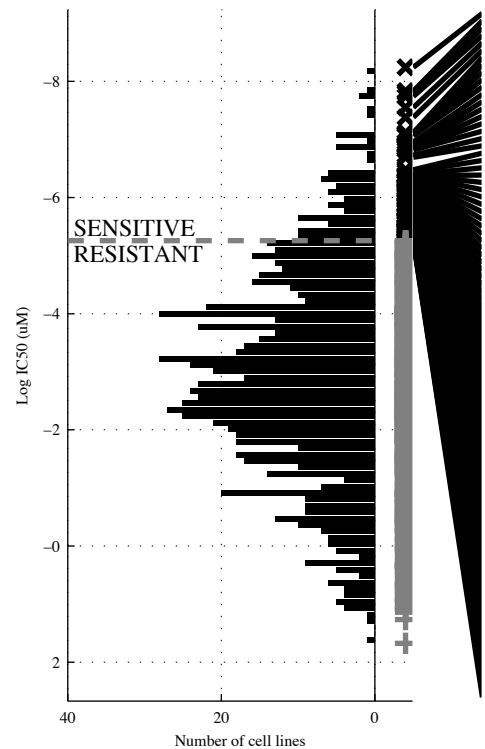
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d2q32.</b>	<b>-d8p23.&amp;d(ATRX</b>	<b>-d18q22&amp;-d8p23&amp;d16q23</b>	<b>-RB1 &amp;d(BNC&amp;-d3p14.&amp;a(ARFG</b>	<b>d2q32. IH2O2-D</b>	<b>[ d16q23&amp;-d3p14. ]</b>	<b>CREBBP1 d2q32. I</b>	<b>CREBBP1 d17p11 I</b>
TP   FP	6   14	53   138	35   108	49   136	18   28	39   144	26   62	45   107
Specificity	0.98	0.81	0.85	0.81	0.96	0.86	0.92	0.85
FN   TN	159   720	112   596	130   626	116   598	147   706	126   590	139   672	120   627
Precision	0.3	0.28	0.24	0.26	0.39	0.24	0.3	0.3
Recall	0.036	0.32	0.21	0.3	0.11	0.19	0.16	0.27





PANCAN  
 id: 283 name: GSK2126458  
 target: PI3K, MTOR class: PI3K signaling

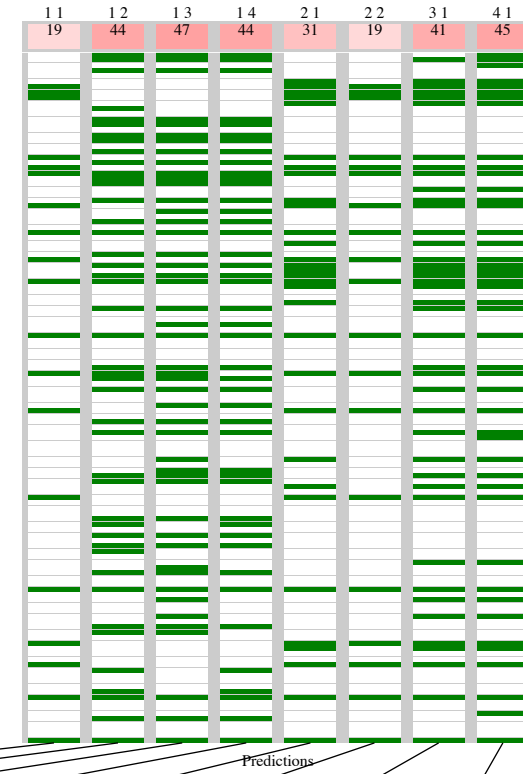
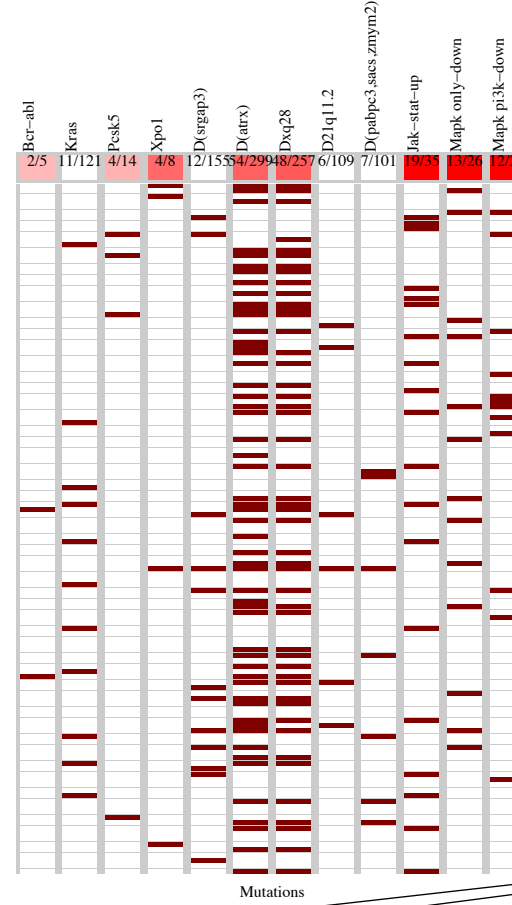
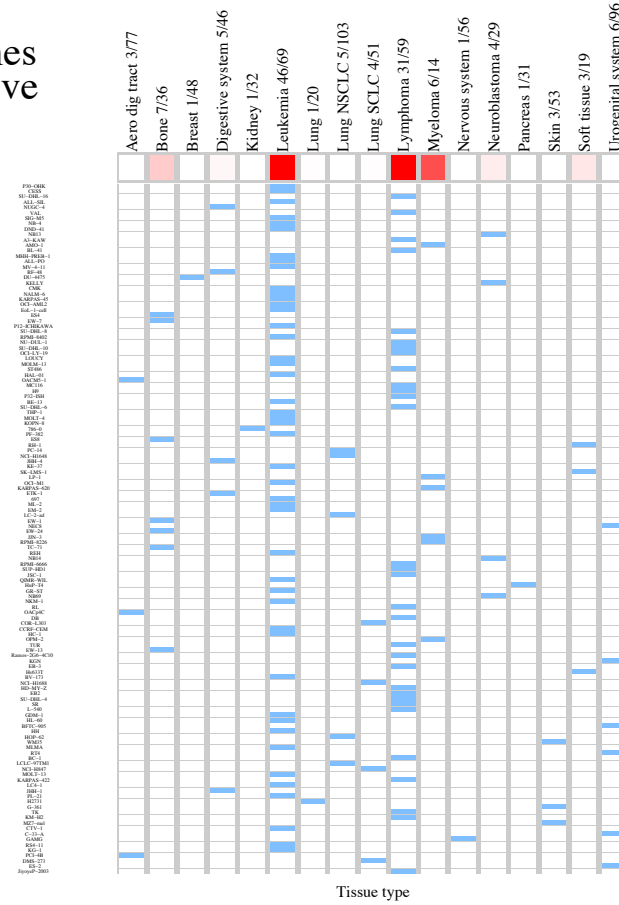
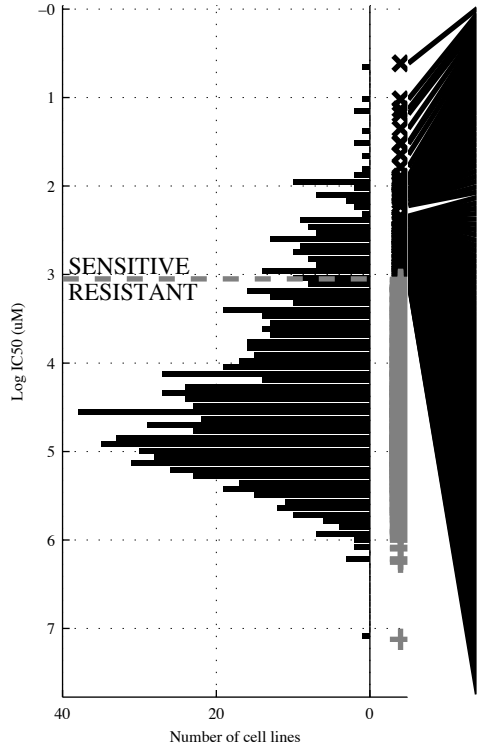
902 cell lines  
 94 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1									
K	1	1	1	2	1	3	1	4	2	1	2	3	1	4	1									
M																								
Logic formula	<b>MAPK o</b>		<b>-BRCA &amp; MLL2</b>		<b>-BRAF &amp; -TP53 &amp; -d3p14.</b>		<b>-TP53 &amp; d(MED &amp; -d3p14. &amp; TGFB-U</b>		<b>JAK-STIMAPK o</b>		<b>[ -a(CCT5 &amp; d(APC) ]</b>		<b>XPO1   JAK-STI</b>		<b>PTPN11   XPO1  </b>									
	<b>[ -TP53 &amp; d(BNC2]</b>		<b>MAPK o</b>																					
Specificity	15	11	0.99	19	57	0.93	37	157	0.81	38	147	0.82	26	34	0.96	30	140	0.84	29	39	0.95	31	44	0.95
Precision	79	797	0.58	75	751	0.25	57	651	0.19	56	661	0.21	68	774	0.43	64	668	0.19	65	769	0.43	63	764	0.41
Recall			0.16			0.2			0.39			0.4			0.28			0.31			0.31			0.33

PANCAN  
 id: 286 name: KIN001-236  
 target: TIE2 class: other

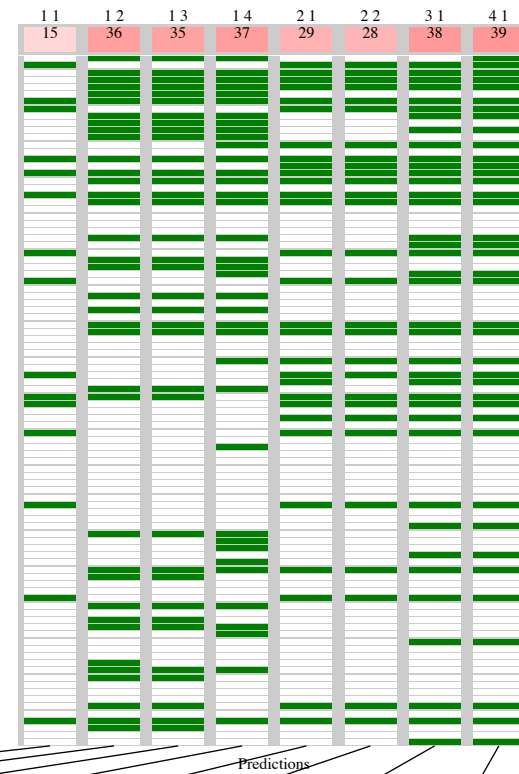
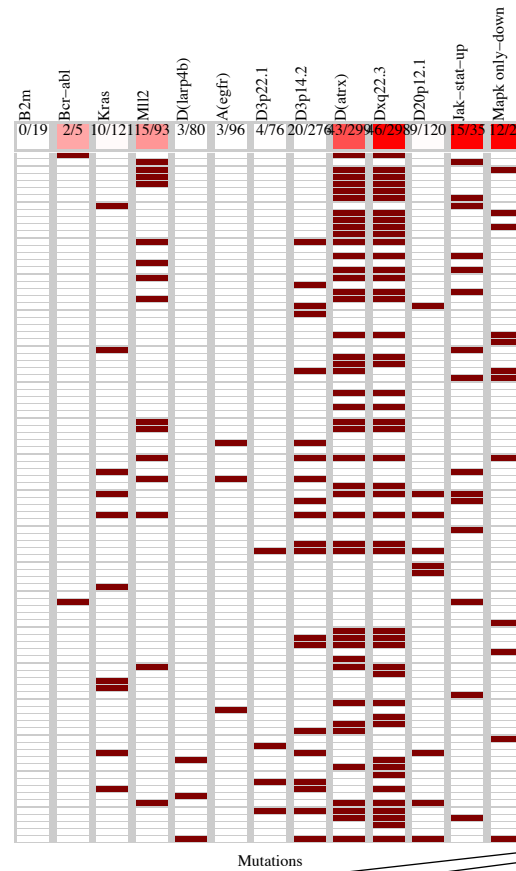
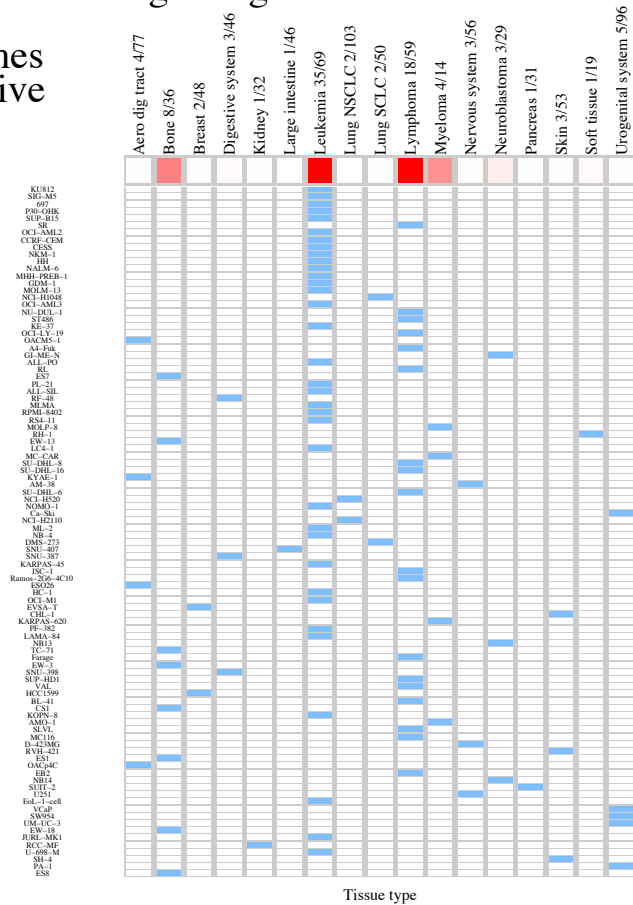
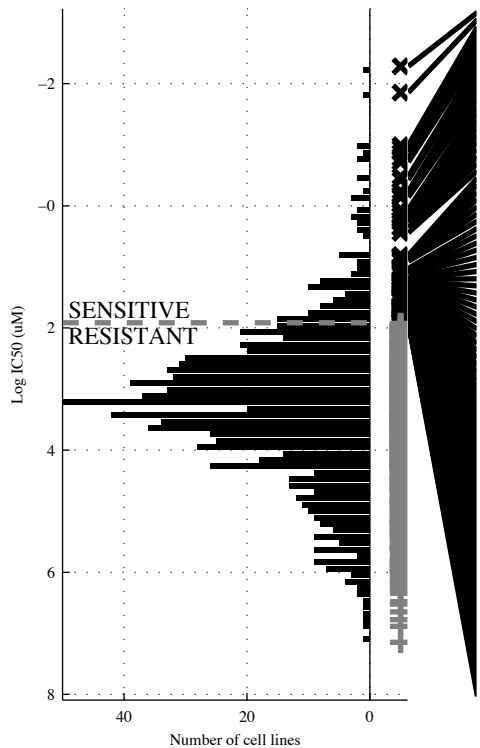
900 cell lines  
 128 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>JAK-ST</b>	<b>-d(SRG&amp; dXq28</b>	<b>d(ATRX&amp;-d21q11&amp;</b>	<b>-KRAS&amp;d(SRG&amp;</b>	<b>JAK-ST MAPK P</b>	<b>[ PCSK5&amp;d21q11 ]</b>	<b>JAK-ST MAPK ol</b>	<b>XPO1  JAK-ST </b>
			<b>-d(PABP</b>	<b>d(ATRX&amp;-d21q11</b>		<b> </b>	<b>MAPK P</b>	<b>MAPK ol MAPK P</b>
TP   FP Specificity	19   16 0.98	44   151 0.8	47   153 0.8	44   119 0.85	31   32 0.96	19   15 0.99	41   42 0.95	45   46 0.94
FN   TN Precision	109   756 0.54	84   621 0.23	81   619 0.24	84   653 0.27	97   740 0.49	109   757 0.56	87   730 0.49	83   726 0.49
Recall	0.15	0.34	0.37	0.34	0.24	0.11	0.32	0.35

PANCAN  
 id: 287 name: KIN001-244  
 target: PDPK1 (PDK1) class: PI3K signaling

899 cell lines  
 96 sensitive

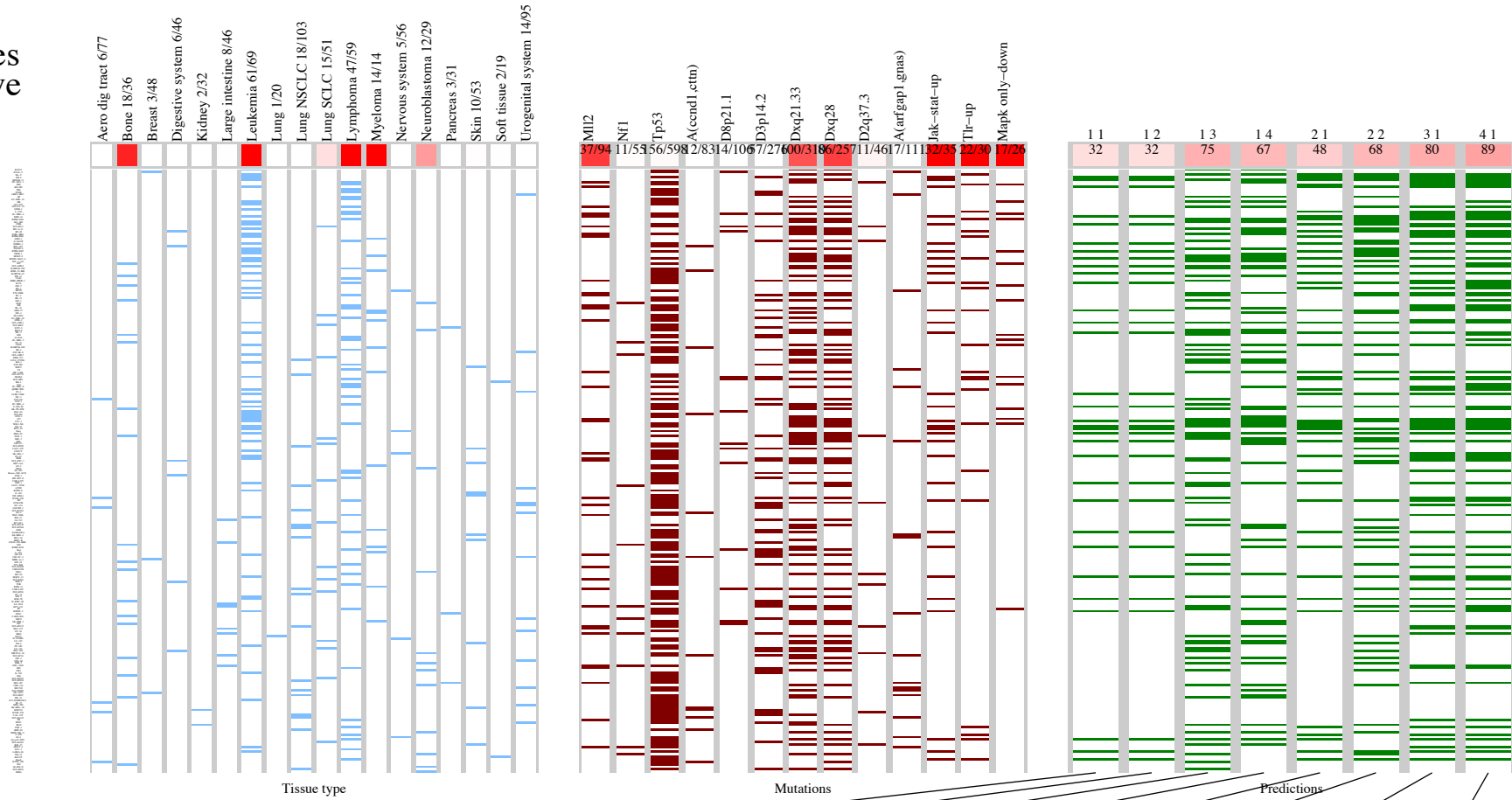
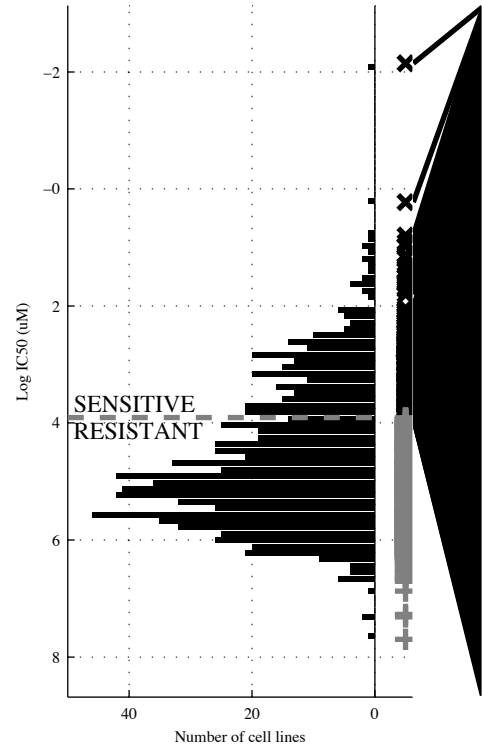


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>JAK-ST</b>	<b>~d3p14.&amp; dXq22.</b>	<b>~d(LAR)&amp;~d3p14.&amp; dXq22.</b>	<b>~KRAS&amp;~d3p22.&amp; d(ATRX)&amp;~d20p12</b>	<b>MLL2  JAK-ST</b>	<b>[ ~B2M &amp;JAK-ST ]   [ MLL2 &amp;a(EGFR) ]</b>	<b>MLL2  JAK-ST   MAPK o</b>	<b>BCR-AB   MLL2   JAK-ST   MAPK o</b>
TP   FP	15   20	36   148	35   125	37   145	29   96	28   91	38   109	39   110
Specificity	0.98	0.82	0.84	0.82	0.88	0.86	0.86	0.86
FN   TN	81   783	60   655	61   678	59   658	67   707	68   712	58   694	57   693
Precision	0.43	0.2	0.22	0.2	0.23	0.19	0.26	0.26
Recall	0.16	0.38	0.36	0.39	0.3	0.26	0.4	0.41



PANCAN  
 id: 290 name: KIN001-260  
 target: IKK class: other

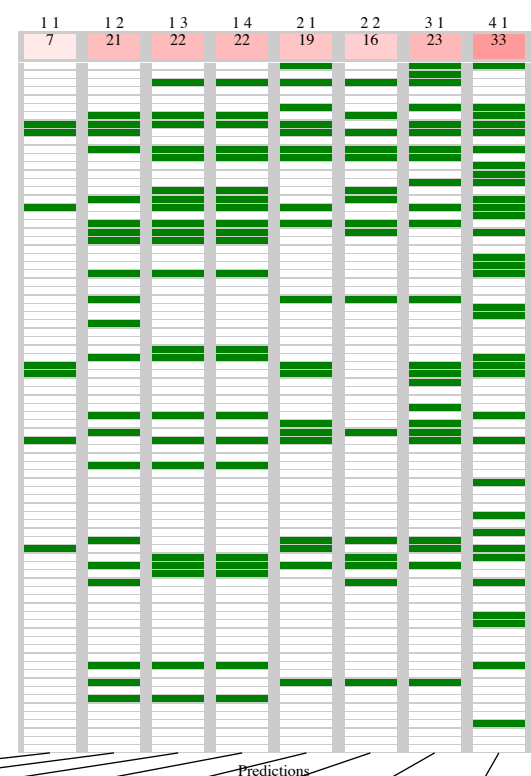
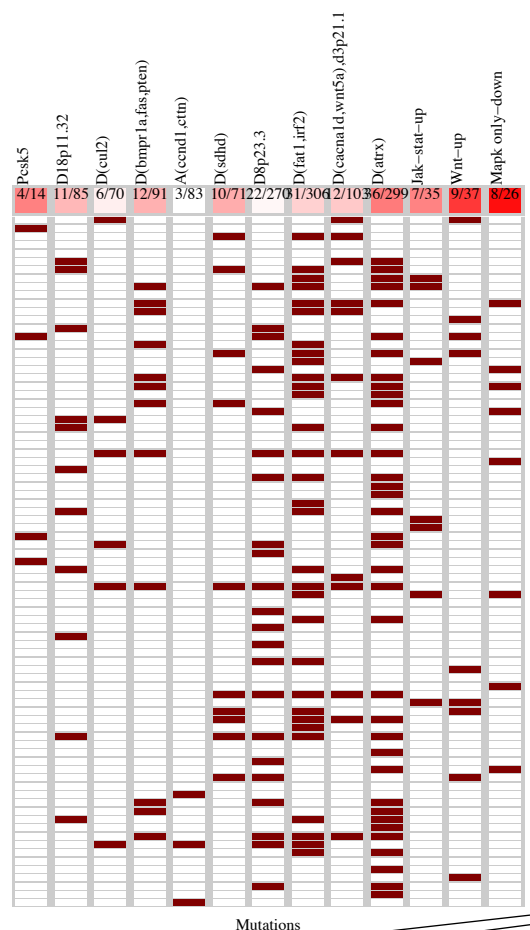
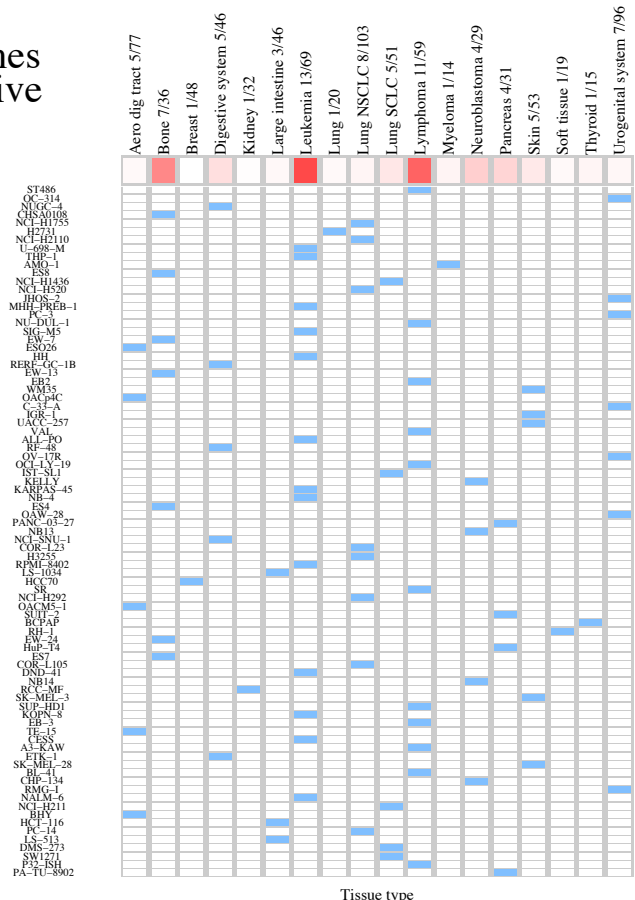
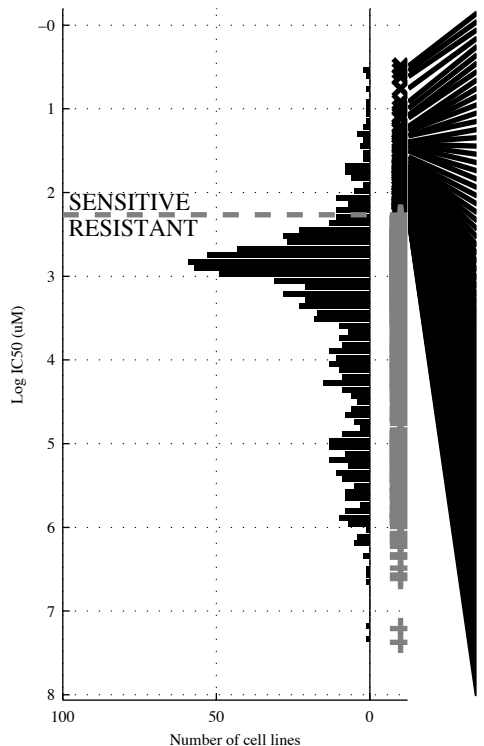
899 cell lines  
 245 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>JAK-ST</b>	<b>¬d2q37.&amp;JAK-ST</b>	<b>¬d8p21.&amp; dXq28 &amp; ¬a(ARFG</b>	<b>¬NF1 &amp;a(CCNI&amp; ¬d3p14.&amp; dXq21.</b>	<b>JAK-ST TLR-UP</b>	<b>[ ¬TP53 &amp; dXq21. ]   [ ¬dXq28&amp;JAK-ST]</b>	<b>MLL2  JAK-ST  TLR-UP</b>	<b>MLL2  JAK-ST  TLR-UP MAPK o</b>
TP   FP	32   3	32   2	75   120	67   102	48   11	68   74	80   68	89   75
FN   TN	213   651	213   652	170   534	178   552	197   643	177   580	165   586	156   579
Specificity	1	1	0.82	0.84	0.98	0.91	0.9	0.89
Precision	0.91	0.94	0.38	0.4	0.81	0.56	0.54	0.54
Recall	0.13	0.13	0.31	0.27	0.2	0.25	0.33	0.36

PANCAN  
 id: 291 name: KIN001-266  
 target: MAP3K8 (COT) class: other

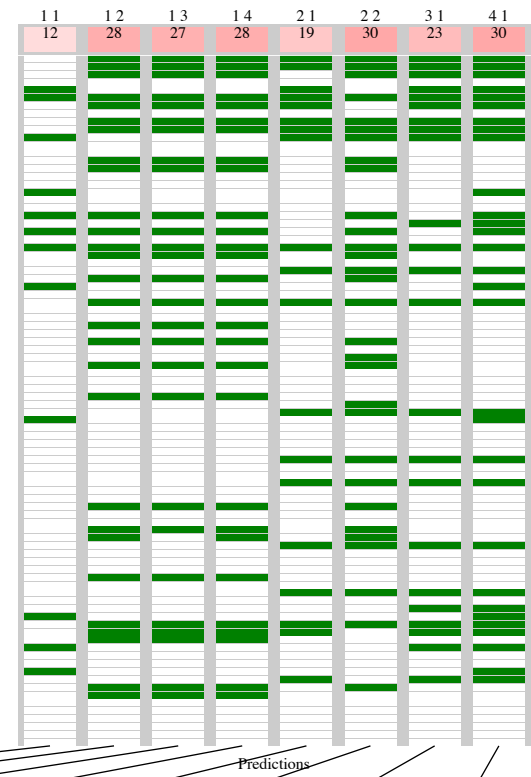
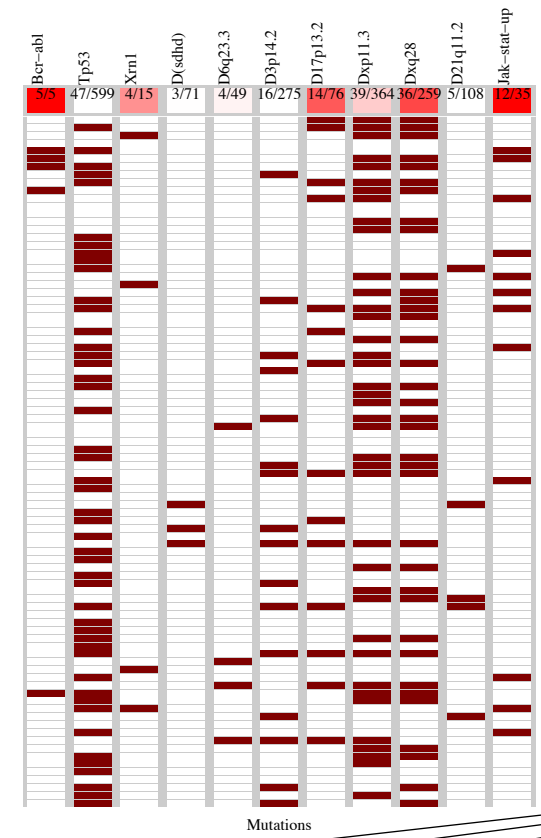
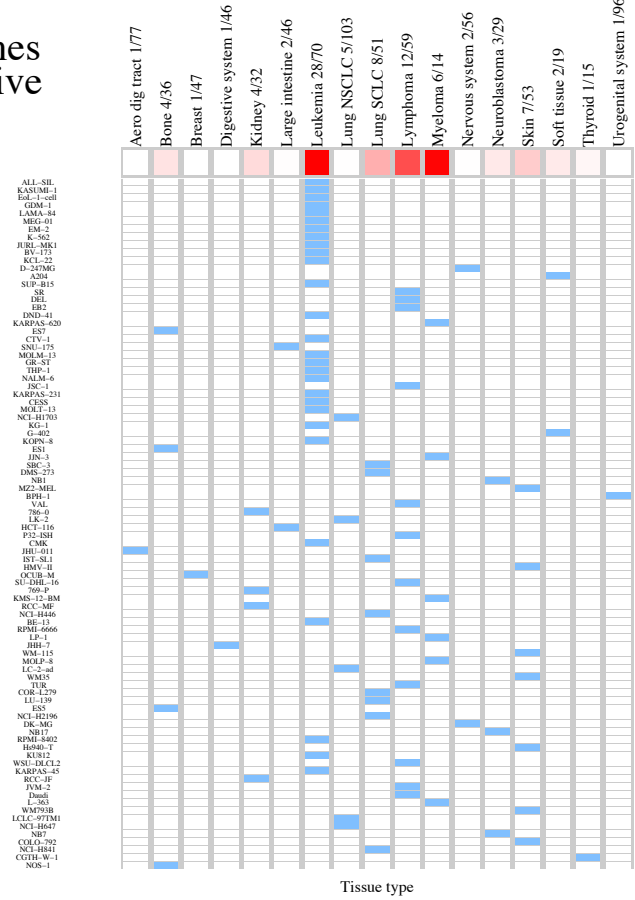
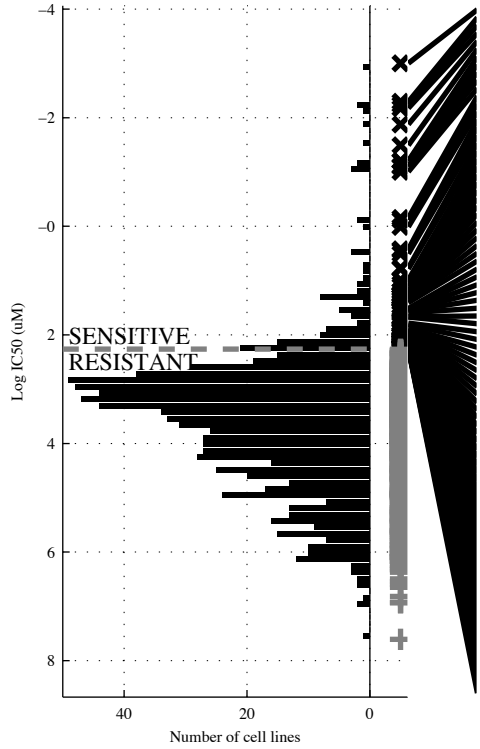
900 cell lines  
 83 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>JAK-ST</b>	<b>d(FAT1&amp;d(ATRX</b>	<b>~d(CUL2&amp;~d8p23.&amp;</b> <b>d(FAT1</b>	<b>~d(CUL2&amp;a(CCNI&amp;</b> <b>~d8p23.&amp;d(FAT1</b>	<b>d(CACN1 JAK-ST</b>	<b>[d(SDHD&amp;d(FAT1]</b> <b> </b> <b>[d(BMPR&amp;d(FAT1]</b>	<b>PCSK5  d(CACN1</b> <b>JAK-ST</b>	<b>d18p11  JAK-ST </b> <b>Wnt-UP MAPK o</b>
TP   FP Specificity	7   28 0.97	21   102 0.88	22   146 0.82	22   129 0.84	19   118 0.86	16   52 0.94	23   128 0.84	33   138 0.83
FN   TN Precision	76   789 0.2	62   715 0.17	61   671 0.13	61   688 0.15	64   699 0.14	67   765 0.24	60   689 0.15	50   679 0.19
Recall	0.084	0.25	0.27	0.29	0.23	0.18	0.28	0.4

PANCAN  
 id: 292 name: Masitinib  
 target: KIT class: RTK signaling

901 cell lines  
 88 sensitive

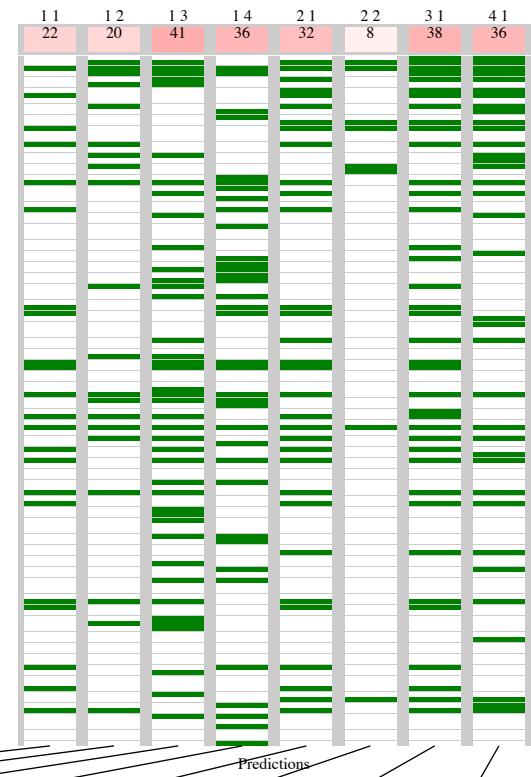
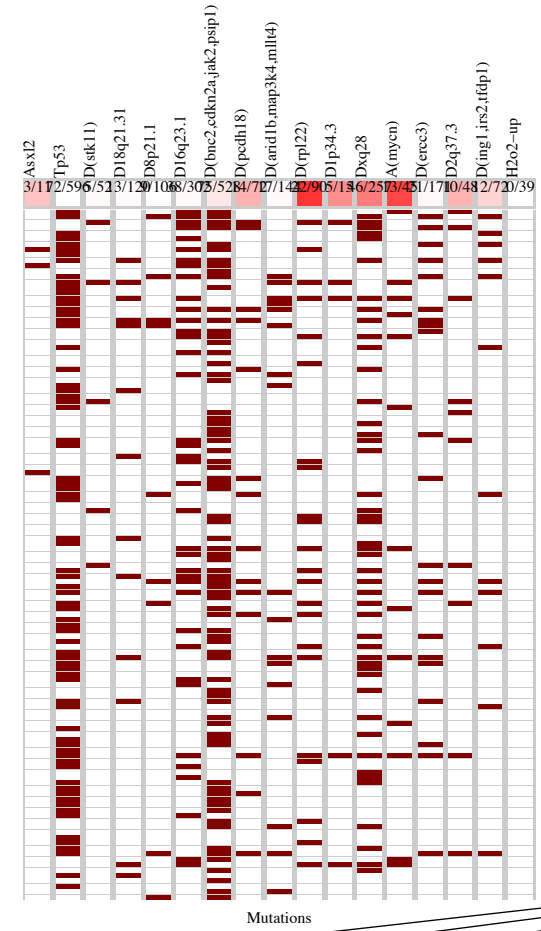
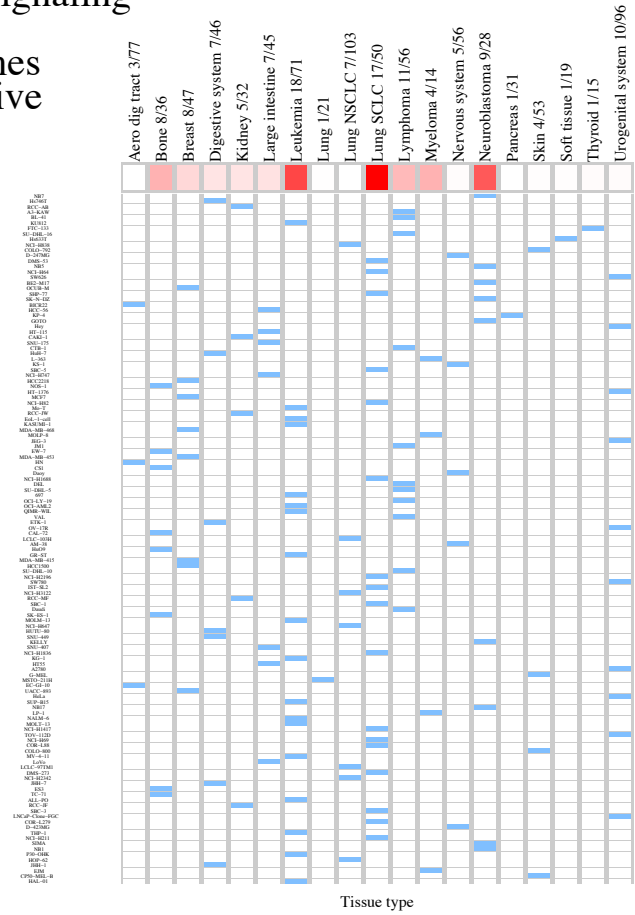
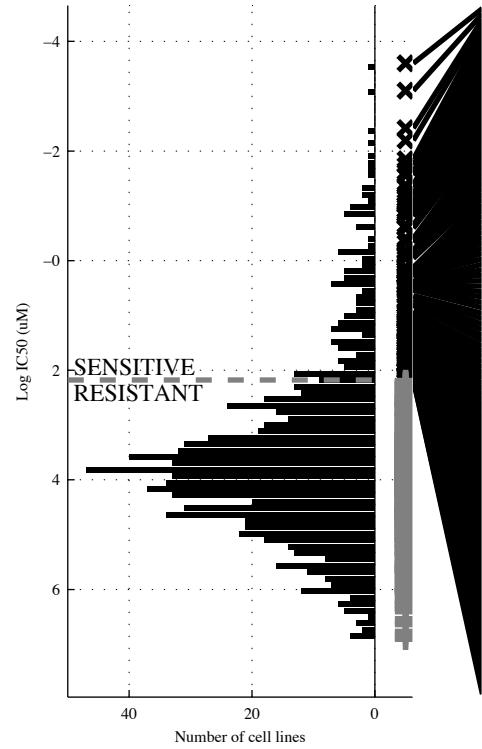


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	3	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>JAK-ST</b>	<b>-d3p14.&amp; dXq28</b>	<b>-d3p14.&amp; dXq28 &amp; -d21q11</b>	<b>-d(SDHI&amp;-d3p14.&amp; dXp11.&amp; dXq28</b>	<b>BCR-ABI d17p13</b>	<b>[ -TP53 &amp; dXq28 ]   [ -d6q23.&amp;d17p13 ]</b>	<b>BCR-ABI XRN1   d17p13</b>	<b>BCR-ABI XRN1   d17p13  JAK-ST</b>
TP   FP	12   23	28   127	27   106	28   87	19   62	30   128	23   73	30   92
FN   TN	76   790	60   686	61   707	60   726	69   751	58   685	65   740	58   721
Specificity	0.97	0.84	0.87	0.89	0.92	0.84	0.91	0.89
Precision	0.34	0.18	0.2	0.24	0.23	0.2	0.24	0.25
Recall	0.14	0.32	0.31	0.32	0.22	0.35	0.26	0.34



PANCAN  
id: 293 name: MP470  
target: PDGFR class: RTK signaling

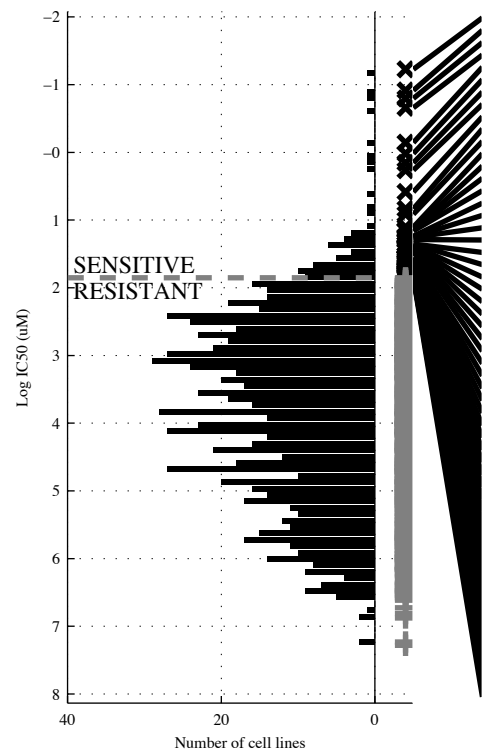
896 cell lines  
127 sensitive



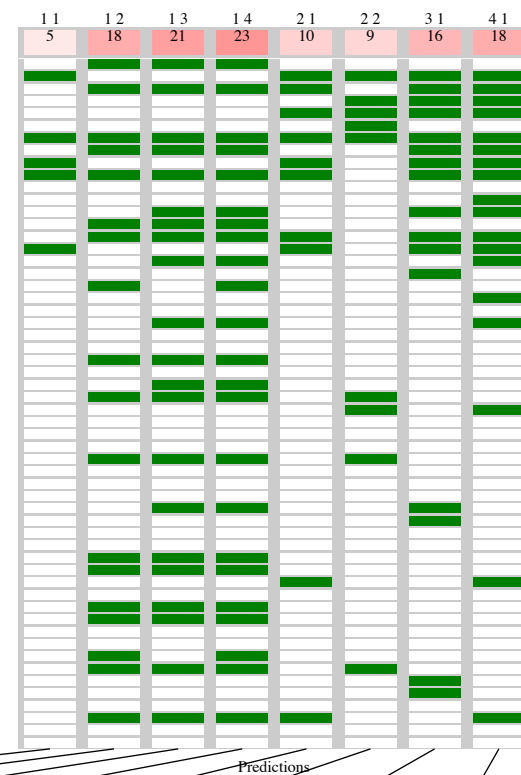
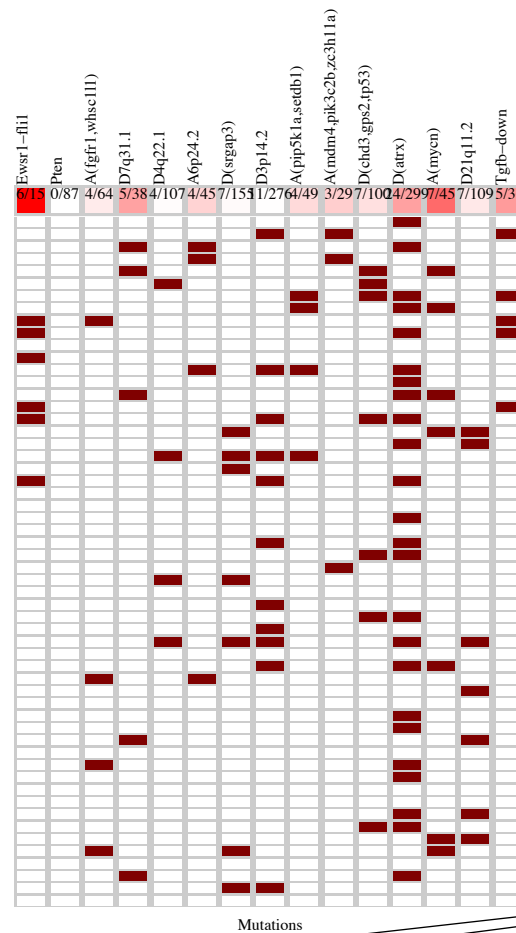
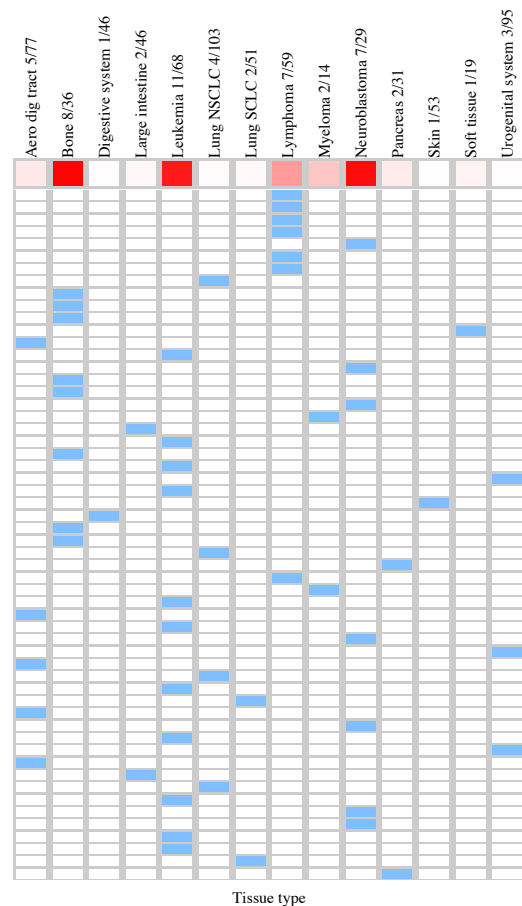
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d(RPL2)</b>	<b>d16q23 &amp; dXq28</b>	<b>-d18q21&amp; dXq28 &amp; -H2O2-U</b>	<b>-TP53 &amp;d(BNC2&amp; -d(ARID1A&amp;H2O2-U</b>	<b>d(RPL2   d(ING1</b>	<b>[ d8p21. &amp;d(ERCC)   d(STK1&amp; d1p34. ]</b>	<b>d(RPL2   d2q37.   d(ING1</b>	<b>ASXL2   d(PCDH1 a(MYCNI d(ING1</b>
TP   FP Specificity	22   68 0.91	20   83 0.89	41   153 0.81	36   113 0.85	32   119 0.85	8   23 0.97	38   150 0.8	36   144 0.81
FN   TN Precision	105   701 0.24	107   686 0.19	86   616 0.21	91   656 0.24	95   650 0.21	119   746 0.26	89   619 0.2	91   625 0.2
Recall	0.17	0.16	0.32	0.28	0.25	0.063	0.3	0.29

PANCAN  
 id: 294 name: MPS-1-IN-1  
 target: MPS1 class: mitosis

898 cell lines  
 56 sensitive



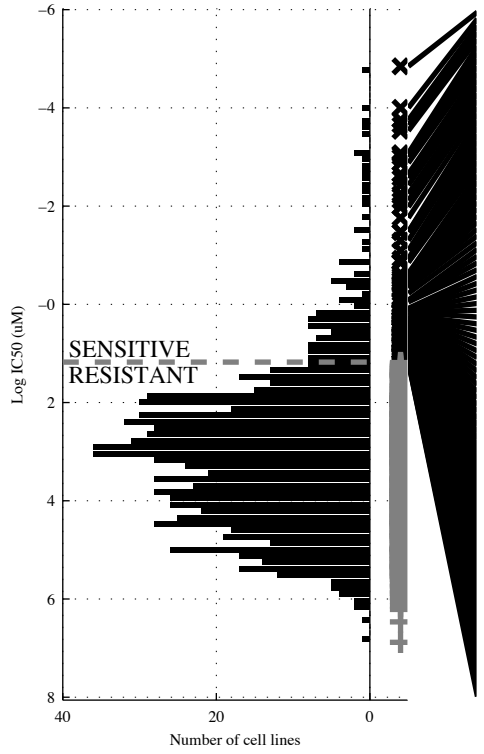
- SR
- SUP-M2
- SU-DHL-1
- DEL
- NB14
- SCC-3
- KARPAS-299
- NCI-H3122
- ES5
- ES1
- EW-18
- RH-1
- OACp4C
- OCI-AML5
- KELLY
- EW-7
- EW-1
- TGW
- MOLP-8
- COLO-320-HSR
- SIG-M5
- ES8
- RS4-11
- PA-1
- ML-2
- WM35
- HUTU-80
- SK-PN-DW
- TC-71
- NCI-H2228
- MZ1-PC
- ST486
- SK-MM-2
- NB-4
- KYSE-450
- GDM-1
- NB1
- VCap
- KYSE-180
- NCI-H292
- NALM-6
- SBC-3
- TE-15
- SK-N-SH
- BV-173
- 22RV1
- KYSE-50
- SNL-175
- NCI-H2110
- ALL-SIL
- NB(TU)1-10
- NB13
- ALL-PO
- OCI-AML2
- MS-1
- PSN1



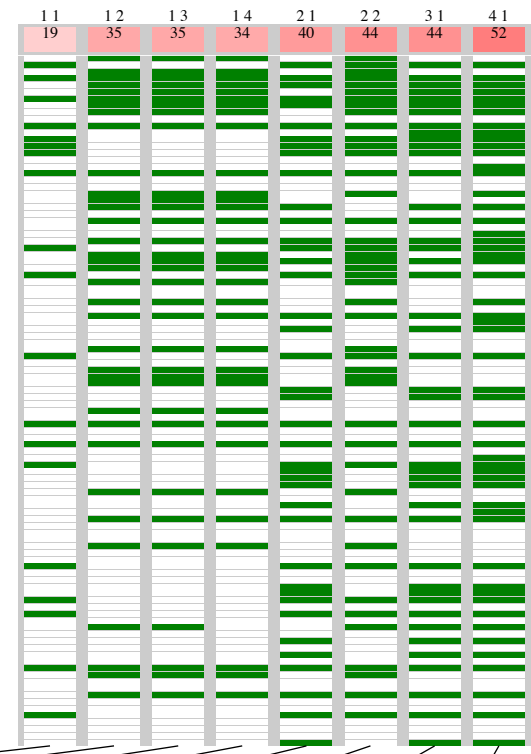
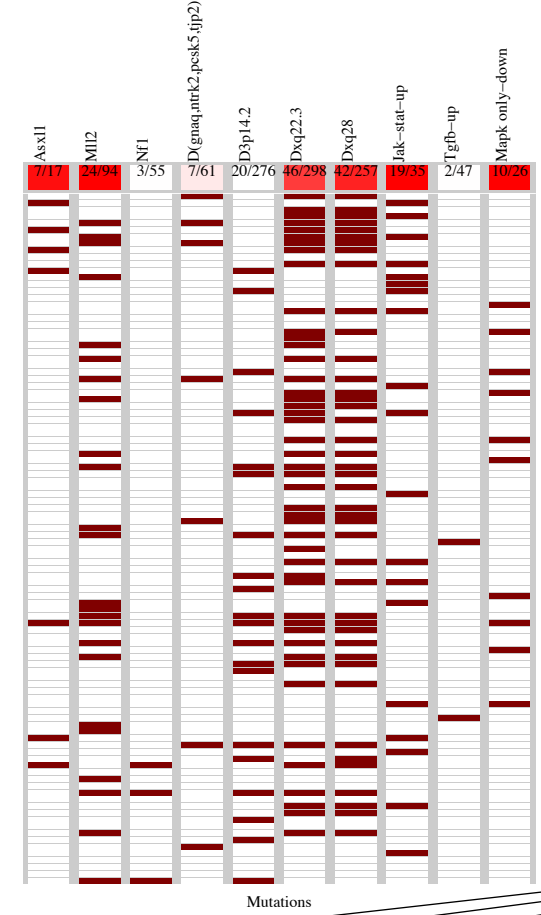
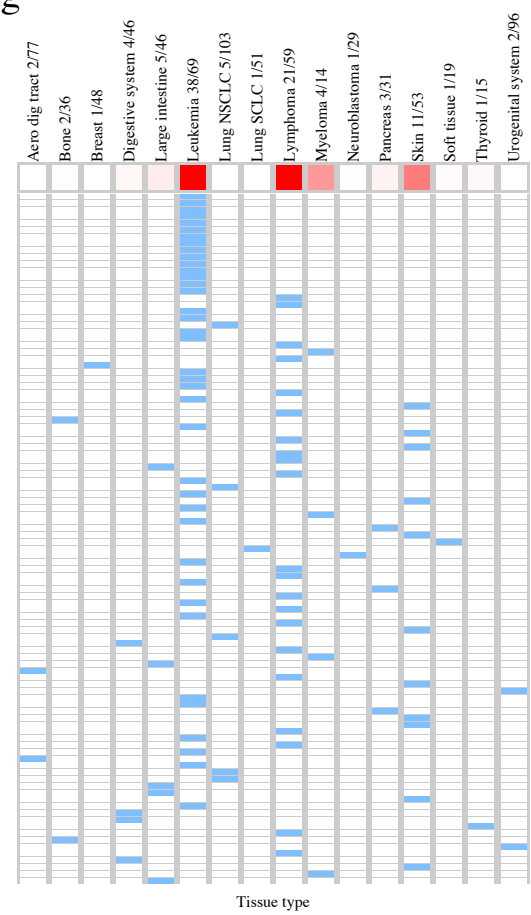
Model name	11	12	13	14	21	22	31	41
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>TGFB-D</b>	<b>-d3p14.&amp;d(ATRX</b>	<b>-d(SRG.&amp;d(ATRX&amp;</b> <b>-d21q11</b>	<b>-PTEN&amp;-d4q22.&amp;</b> <b>-d(SRG.&amp;d(ATRX</b>	<b>d7q31. ITGFB-D</b>	<b>[~a(FGFR&amp;a(MDM4]</b> <b> </b> <b>[~d3p14.&amp;d(CHD3]</b>	<b>a6p24. la(MYCNI</b>  <b>TGFB-D</b>	<b>EWSR1-1 d7q31. 1</b>  <b>a(PIP5 la(MDM4</b>
Specificity	0.96	0.8	0.8	0.8	0.92	0.93	0.88	0.89
Precision	0.14	0.097	0.11	0.12	0.14	0.13	0.13	0.16
Recall	0.089	0.32	0.38	0.41	0.18	0.15	0.29	0.32
TP   FP	5   31	18   167	21   168	23   165	10   64	9   65	16   105	18   95
FN   TN	51   811	38   675	35   674	33   677	46   778	47   777	40   737	38   747

PANCAN  
 id: 295 name: NVP-BHG712  
 target: EPHB4 class: RTK signaling

900 cell lines  
 102 sensitive



ESL-1 cell  
 ALL-SIL  
 MCF-10L  
 JHU-101  
 HBL-100  
 RV-173  
 K562  
 CIM-5  
 OES-ESM2  
 SGC-M5  
 NCI-H122  
 SU-DHL-16  
 TPC-3  
 OES-ESM3  
 NCI-H1755  
 CEM-3  
 NKM  
 NCI-D4L-1  
 K562-NS-62  
 T47D-1  
 MLC4  
 P30-CHK  
 KARPAS-45  
 SKNSH  
 MZ7-010  
 NCI-H1975  
 FW-119  
 FPC-2  
 M14  
 RPMI-6966  
 SU-DHL-8  
 YAL  
 SNU-107  
 K562  
 K562-8  
 K562-6  
 SK-MEL-30  
 MCF-8  
 MZ1-1  
 SK-MES-24  
 SW620  
 NCI-T10  
 Hs-578  
 SU-DHL-10  
 MCFM-10  
 SHTC-2  
 DSI-41  
 TIB  
 MHH-PHEB-1  
 SU-DHL-6  
 NCI-SNU-1  
 SU-DHL-5  
 MCF-5AR  
 OACM-1  
 MCF-10A  
 Hs-578  
 Hs-578  
 RPMI-4902  
 SNU  
 MEL-10SD  
 WSI-NHL  
 CCRF-CEM  
 A549-KAW  
 MCF-10F  
 OES-ESM1  
 NCI-H1520  
 NCI-H1975  
 SK-CO-1  
 HCT-119  
 CPIC-121-B  
 Hs-578  
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 A549  
 A549

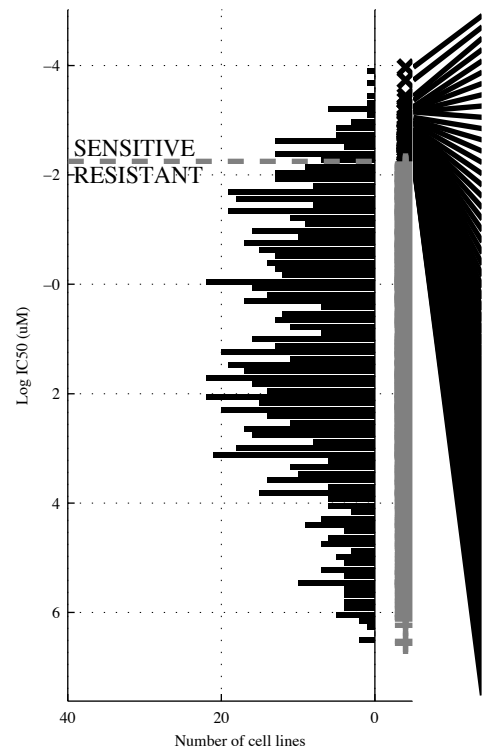


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>JAK-ST</b>	<b>-d3p14.&amp; dXq22.</b>	<b>-d3p14.&amp; dXq22.&amp; -TGFB-U</b>	<b>-NF1 &amp; -d3p14.&amp; dXq22.&amp; TGFB-U</b>	<b>MLL2   JAK-ST</b>	<b>[d(GNAQ)   JAK-ST]</b>   <b>[ -d3p14.&amp; dXq28 ]</b>	<b>ASXL1   MLL2   JAK-ST</b>	<b>ASXL1   MLL2   JAK-ST   MAPK o</b>
TP   FP	19   16	35   149	35   131	34   119	40   86	44   128	44   90	52   104
Specificity	0.98	0.81	0.84	0.84	0.89	0.87	0.89	0.87
FN   TN	83   782	67   649	67   667	68   679	62   712	58   670	58   708	50   694
Precision	0.54	0.19	0.21	0.22	0.32	0.31	0.33	0.33
Recall	0.19	0.34	0.34	0.35	0.39	0.34	0.43	0.51

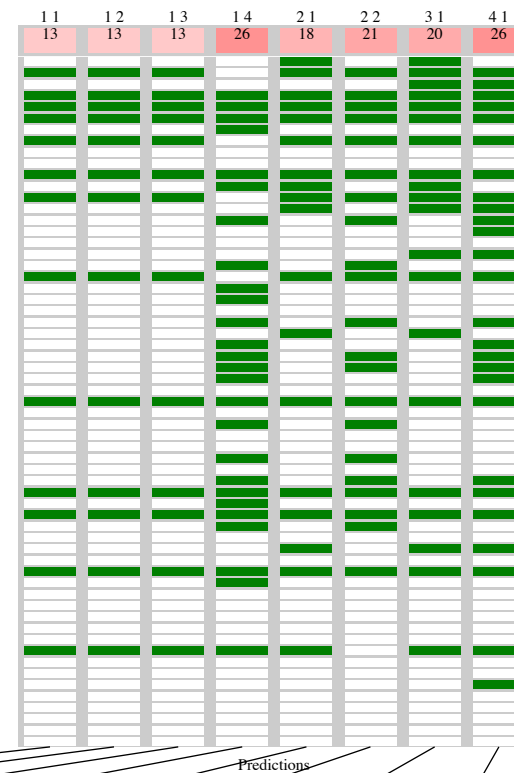
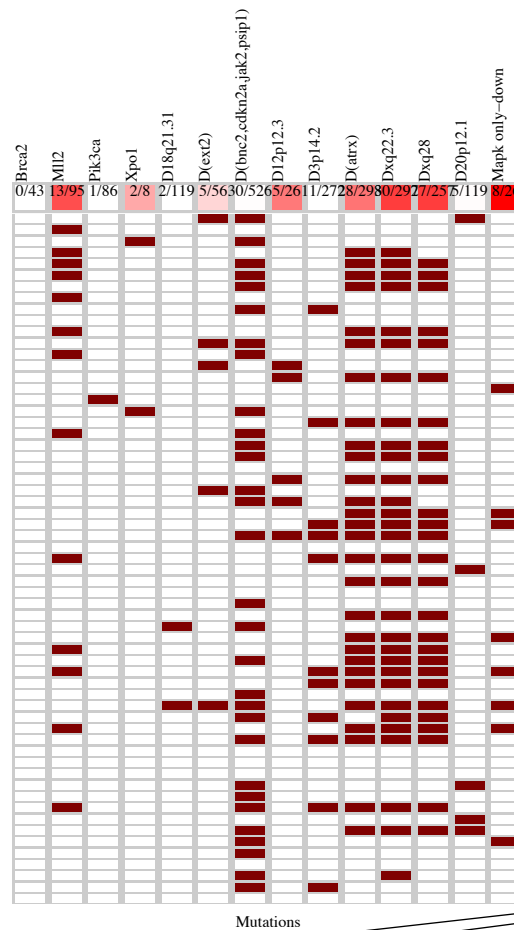
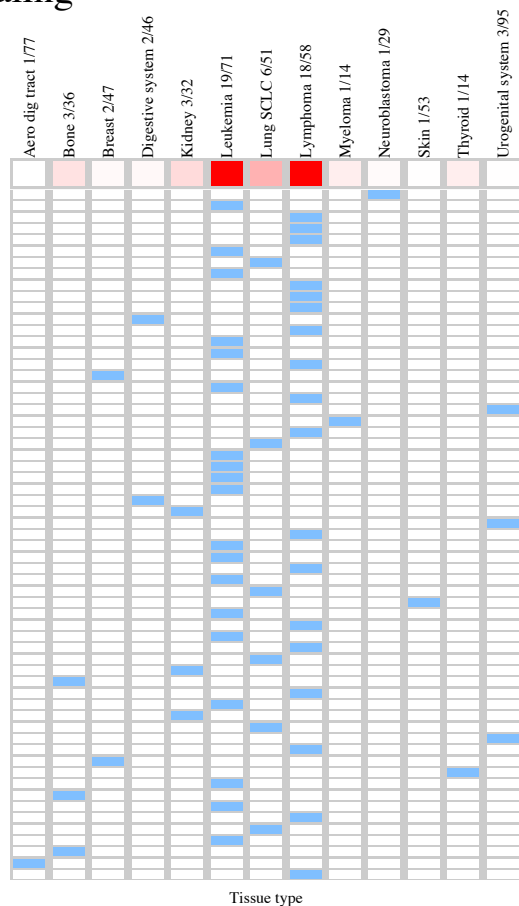


PANCAN  
 id: 299 name: OSI-027  
 target: MTORC12 class: TOR signaling

896 cell lines  
 61 sensitive



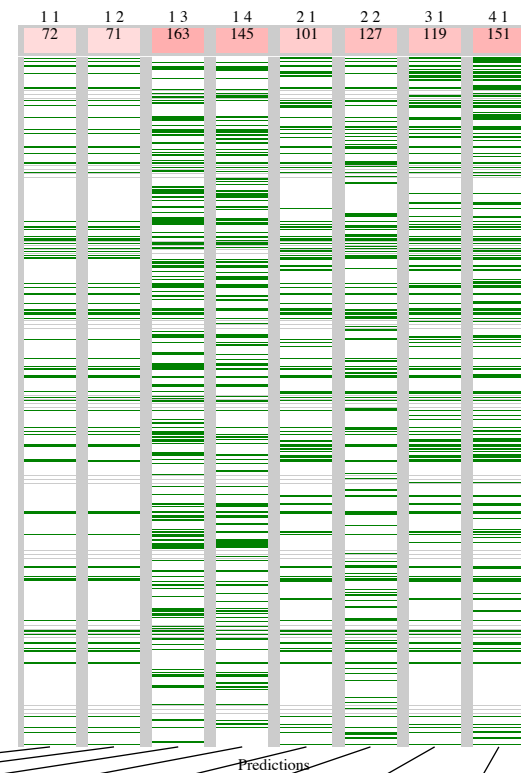
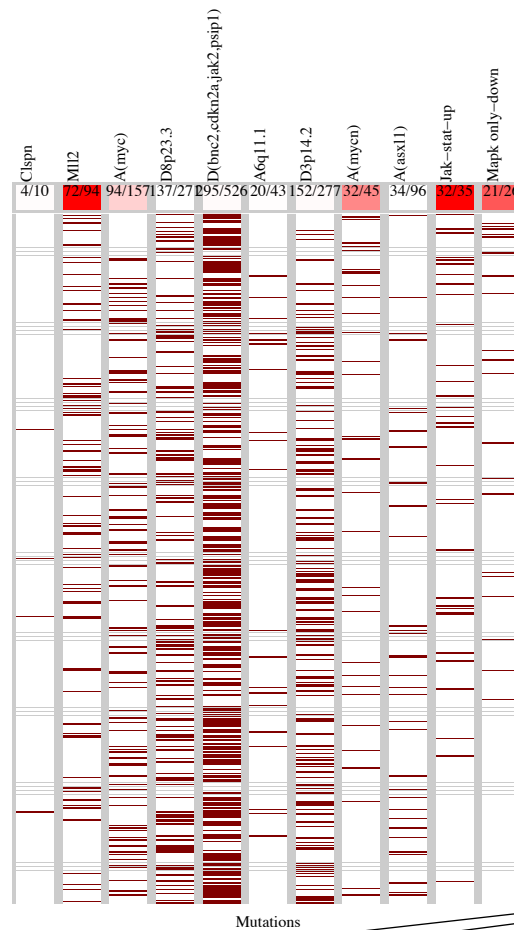
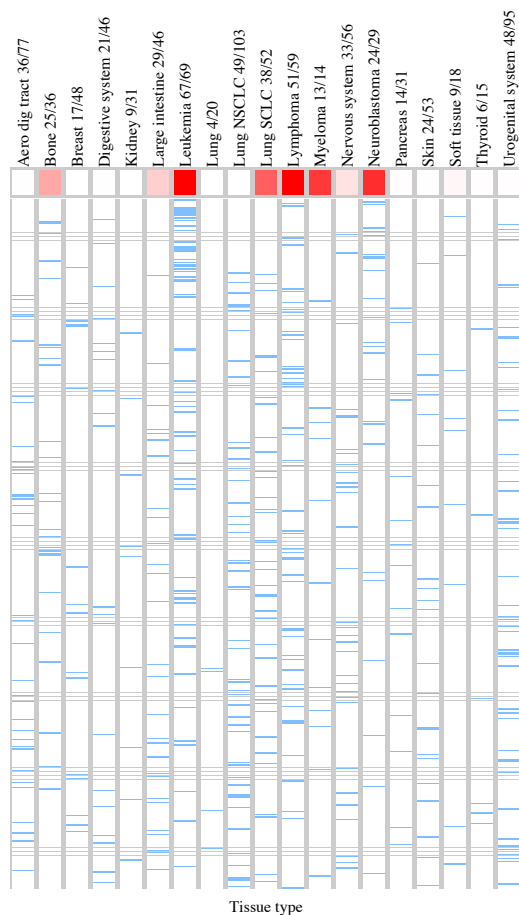
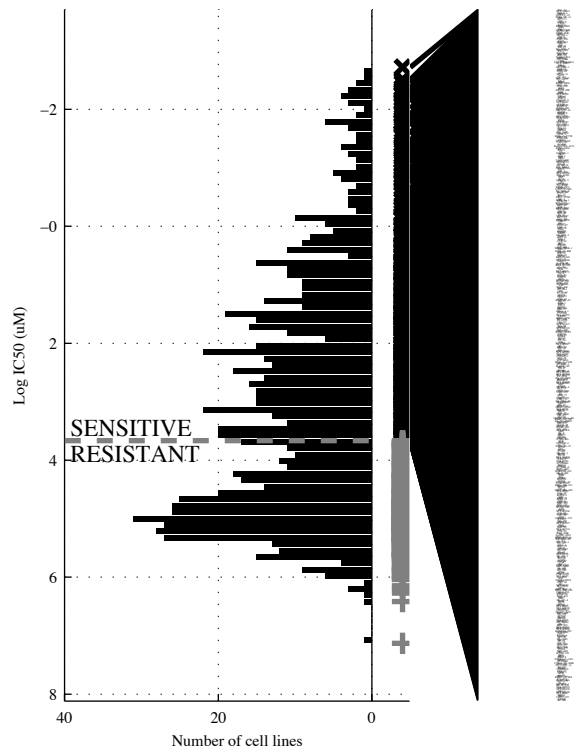
NB7  
 KARPAS-231  
 SU-DHL-16  
 NU-DUL-1  
 OCL-LY-19  
 SUP-B15  
 SBC-3  
 SIG-M5  
 SUP-M2  
 YT  
 BL-41  
 Hs746T  
 CTB-1  
 GIM-1  
 MONO-MAC-6  
 EB-1  
 OCLB-M  
 RS4-11  
 EB-3  
 KGN  
 MOLP-8  
 SR  
 COR-L279  
 KG-1  
 HAL-01  
 NKM-1  
 HH  
 HUTU-80  
 RCC-MF  
 PA-1  
 BC-1  
 OCI-M1  
 MV-4-11  
 Daudi  
 LC4-1  
 LU-139  
 WM56  
 CESS  
 SU-DHL-8  
 KASUMI-1  
 SU-DHL-6  
 IST-SL2  
 RCC-JW  
 SK-PN-DW  
 A3-KAW  
 697  
 RCC-AB  
 SBC-1  
 TOV-112D  
 JSC-1  
 MRK-nu-1  
 HTC-C3  
 REH  
 ESS  
 ML-2  
 Farage  
 DMS-273  
 QIMR-WIL  
 CSI  
 KYAE-1  
 CA46



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MLL2</b>	<b>¬BRCA &amp; MLL2</b>	<b>¬BRCA &amp; MLL2 &amp; ¬PIK3CA</b>	<b>¬d18q21 &amp; d(ATRX &amp; dXq22. &amp; ¬d20p12</b>	<b>MLL2   d(EXT2</b>	<b>[¬d(BNC &amp; dXq28 ]   [ MLL2 &amp; ¬d3p14.]</b>	<b>MLL2   XPO1   d(EXT2</b>	<b>MLL2   XPO1   d12p12   MAPK o</b>
TP   FP	13   82	13   63	13   50	26   158	18   128	21   122	20   132	26   124
Specificity	0.9	0.92	0.94	0.82	0.85	0.87	0.84	0.82
FN   TN	48   753	48   772	48   785	35   677	43   707	40   713	41   703	35   711
Precision	0.14	0.17	0.21	0.14	0.12	0.15	0.13	0.15
Recall	0.21	0.21	0.21	0.42	0.3	0.31	0.33	0.43

PANCAN  
 id: 300 name: CX-5461  
 target: RNA Pol I class: other

898 cell lines  
 517 sensitive

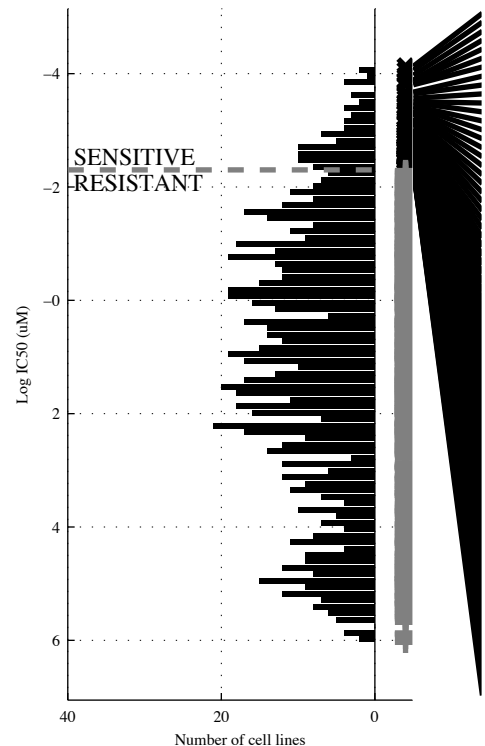


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MLL2</b>	<b>~CLSPN &amp; MLL2</b>	<b>~d8p23.3 &amp; d(BNC2) &amp; ~a(ASXL)</b>	<b>~d(BNC2) &amp; ~a6q11.1 &amp; ~d3p14.2 &amp; a(ASXL)</b>	<b>MLL2   JAK-ST</b>	<b>[~CLSPN &amp; MLL2]   [a(MYC) &amp; d(BNC2)]</b>	<b>MLL2   JAK-ST   MAPK o</b>	<b>MLL2   a(MYCNI)   JAK-ST   MAPK o</b>
TP   FP	72   22	71   19	163   74	145   70	101   25	127   50	119   29	151   42
Specificity	0.94	0.9	0.81	0.87	0.93	0.91	0.92	0.89
FN   TN	445   359	446   362	354   307	372   311	416   356	390   331	398   352	366   339
Precision	0.77	0.73	0.69	0.74	0.8	0.78	0.8	0.78
Recall	0.14	0.17	0.32	0.22	0.2	0.19	0.23	0.29

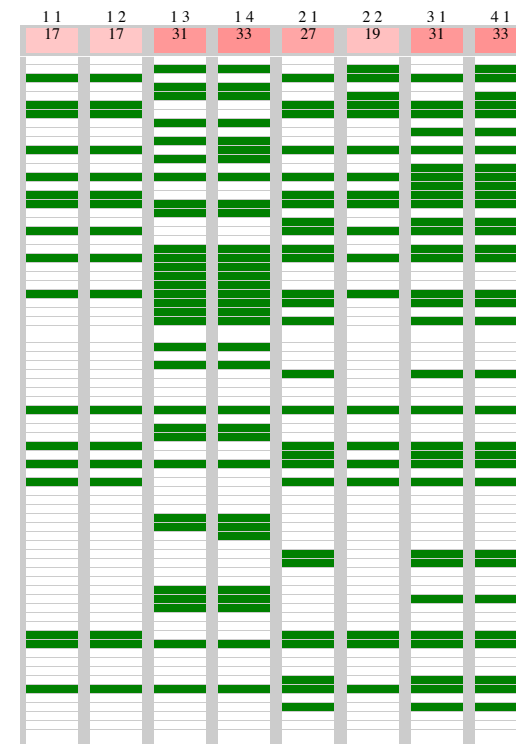
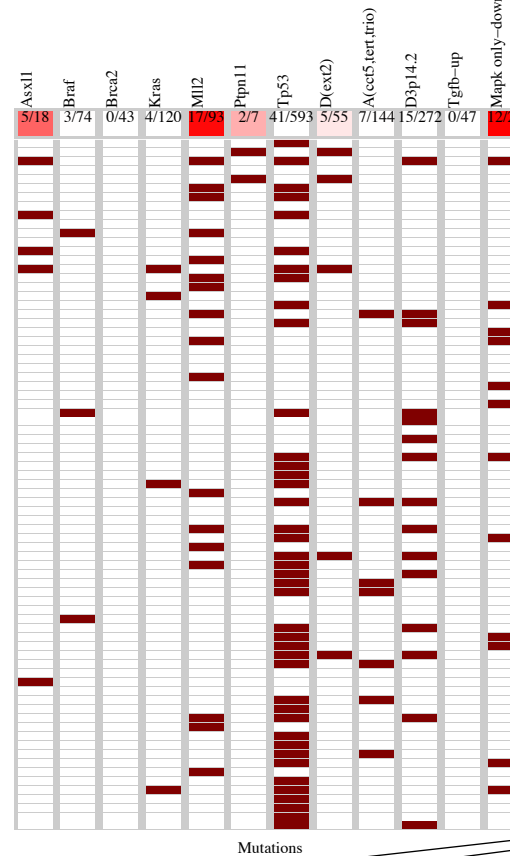
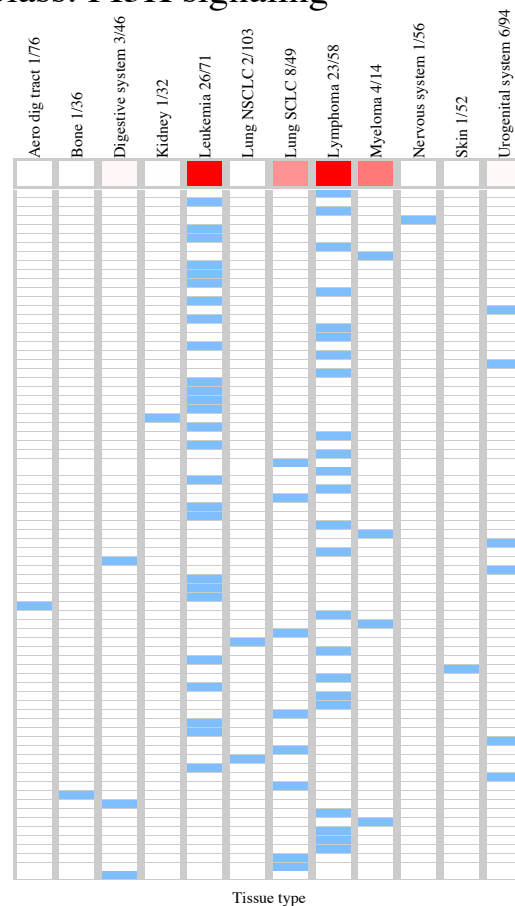


PANCAN  
 id: 302 name: PI-103  
 target: PI3Ka, PRKDC (DNAPK) class: PI3K signaling

893 cell lines  
 77 sensitive



SU-DHL-16  
 GDM-1  
 SU-DHL-6  
 D-247MG  
 HBL-101  
 KARPAS-231  
 NU-DHL-1  
 MOLT-8  
 KASUMI-1  
 NALM-6  
 SIG-M5  
 KU812  
 COLO-884  
 PL-21  
 HL-60  
 OCI-LY-19  
 ML-2  
 EB2  
 CCR4  
 SU-DHL-10  
 CESS  
 697  
 RS4-11  
 QIMR-WIL  
 RCC-JW  
 FBL-04K  
 RPMI-9966  
 NKM-1  
 SU-DHL-5  
 IST-SL2  
 P52-SH  
 MGLM-13  
 SUP-M2  
 SBC-3  
 MILM  
 OCI-M1  
 KARPAS-422  
 KARPAS-620  
 KGI  
 NALM-WA  
 JHH-1  
 A2780  
 REH  
 RPMI-8402  
 SU-P-15  
 OACM5-1  
 SU-DHL-8  
 ARH-77  
 CORI-270  
 NCI-H520  
 SK  
 LC-1  
 WM35  
 EB-3  
 HH  
 Fmgc  
 ST496  
 CORI-111  
 MN-60  
 OCI-LM5  
 OVMU  
 NCI-H64  
 NCI-H2085  
 GR-ST  
 ME-180  
 NCI-H847  
 EB3  
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 WIL2-NS  
 Daudi  
 SBC-1  
 DMS-273  
 HGC-27

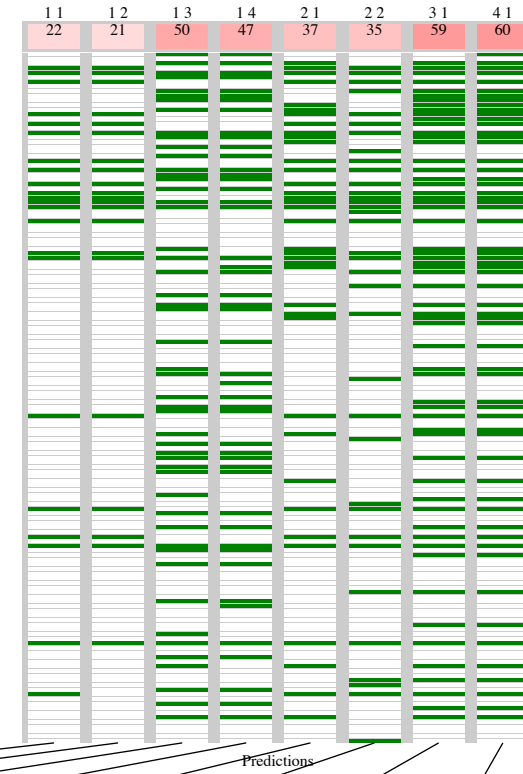
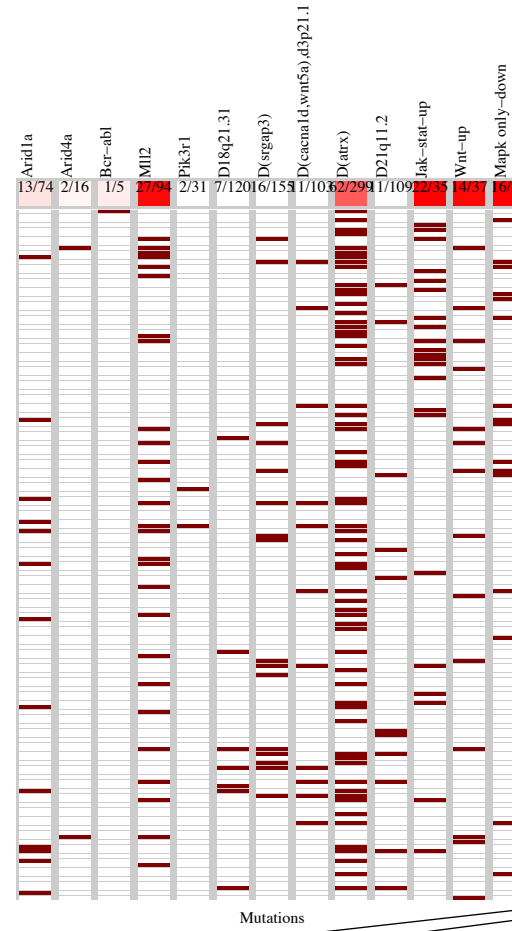
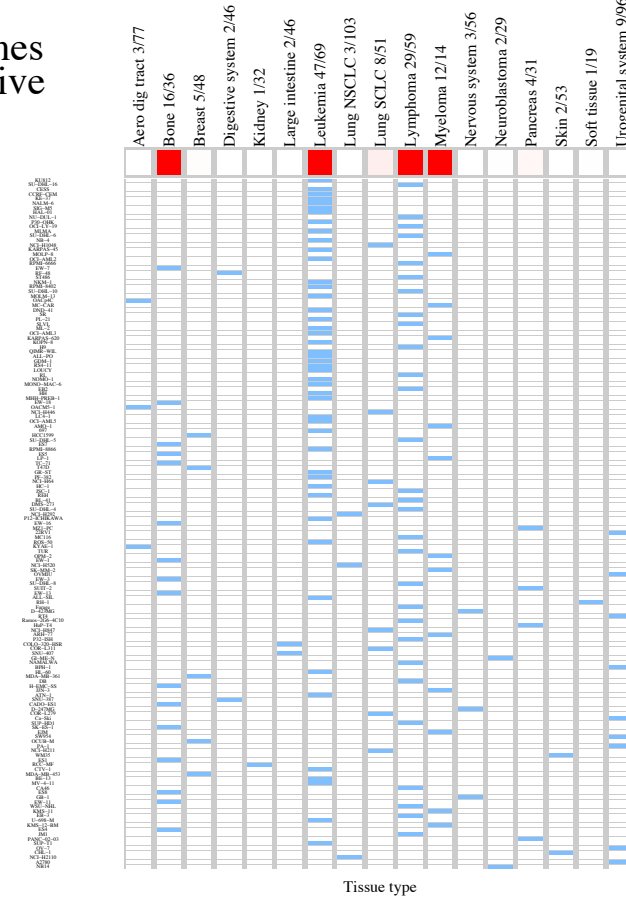
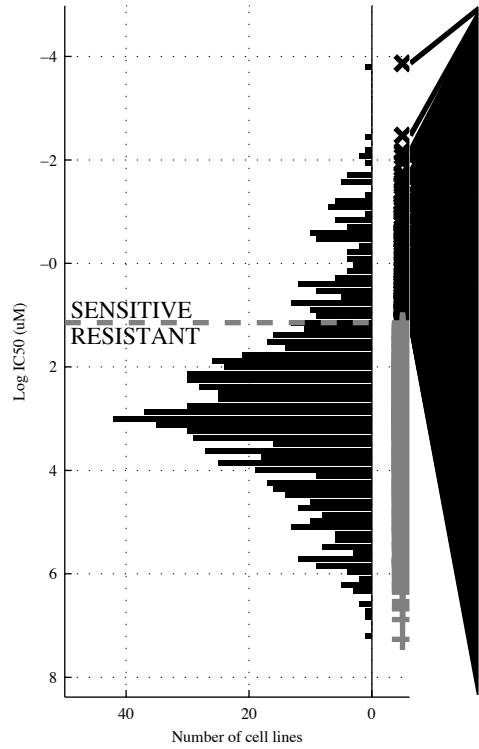


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MLL2</b>	<b>-BRCA &amp; MLL2</b>	<b>-BRAF &amp; -TP53 &amp; -d3p14.</b>	<b>-TP53 &amp; a(CCT5 &amp; -d3p14.&amp;TGFB-U</b>	<b>MLL2   MAPK o</b>	<b>[PTPN11&amp;d(EXT2)   [-KRAS &amp; MLL2 ]</b>	<b>ASXL1   MLL2   MAPK o</b>	<b>ASXL1   MLL2   PTPN11   MAPK o</b>
TP   FP Specificity	17   76 0.91	17   57 0.93	31   163 0.8	33   150 0.82	27   89 0.89	19   64 0.93	31   99 0.88	33   102 0.88
FN   TN Precision	60   740 0.18	60   759 0.23	46   653 0.16	44   666 0.18	50   727 0.23	58   752 0.23	46   717 0.24	44   714 0.24
Recall	0.22	0.22	0.4	0.43	0.35	0.23	0.4	0.43



PANCAN  
 id: 303 name: PIK-93  
 target: PI4K, PI3K class: PI3K signaling

900 cell lines  
 149 sensitive

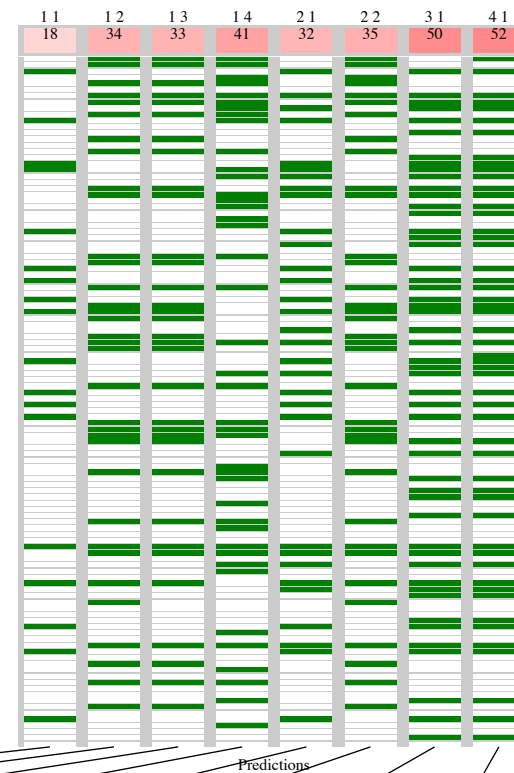
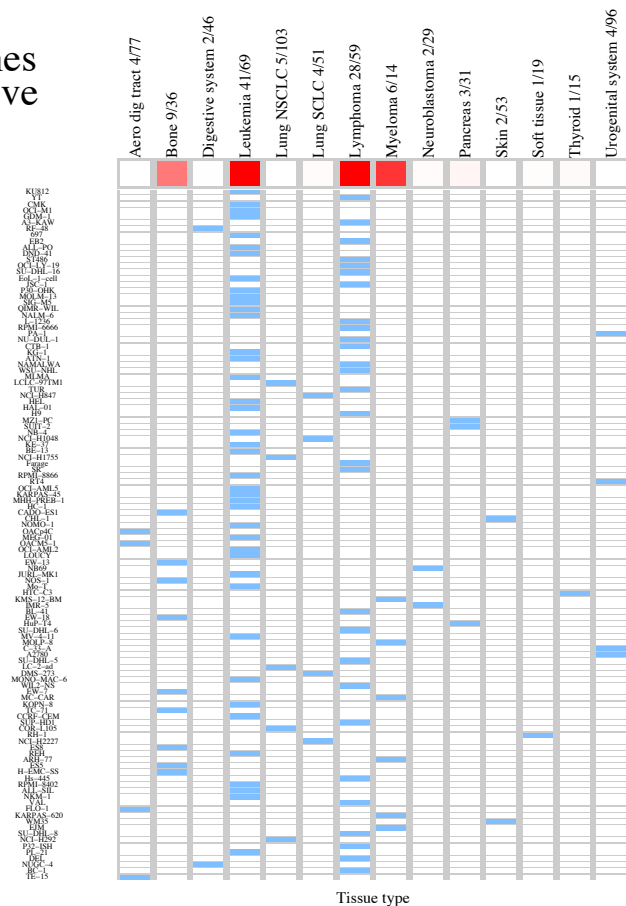
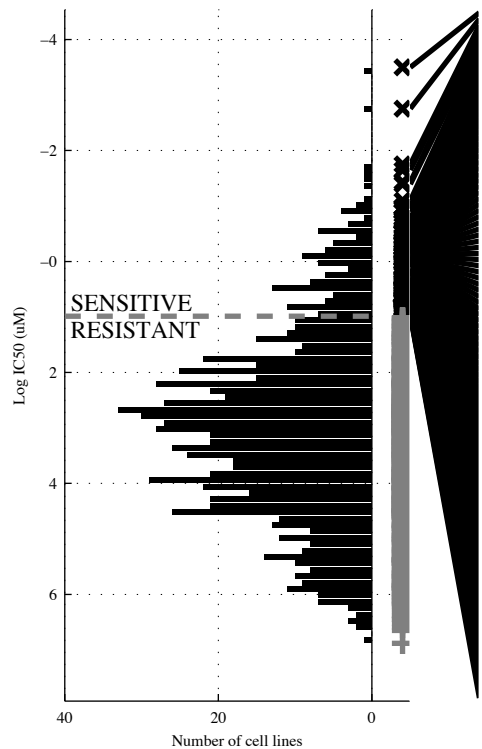


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>JAK-ST</b>	<b>-ARID1A &amp; JAK-ST</b>	<b>-d(SRGAP3) &amp; d(ATRX) &amp; -d21q11</b>	<b>-d18q21 &amp; d(CACNA1C) &amp; d(ATRX) &amp; -d21q11</b>	<b>JAK-ST   MAPK o</b>	<b>[ -PIK3R1 &amp; Wnt-UP ]   [ -ARID4A &amp; JAK-ST ]</b>	<b>MLL2   JAK-ST   MAPK o</b>	<b>BCR-AB1   MLL2   JAK-ST   MAPK o</b>
TP   FP	22   13	21   11	50   139	47   122	37   23	35   32	59   89	60   90
Specificity	0.98	0.99	0.85	0.84	0.97	0.97	0.88	0.88
FN   TN	127   738	128   740	99   612	102   629	112   728	114   719	90   662	89   661
Precision	0.63	0.66	0.35	0.31	0.62	0.58	0.4	0.4
Recall	0.15	0.14	0.3	0.35	0.25	0.22	0.4	0.4



PANCAN  
 id: 305 name: TPCA-1  
 target: IKK class: other

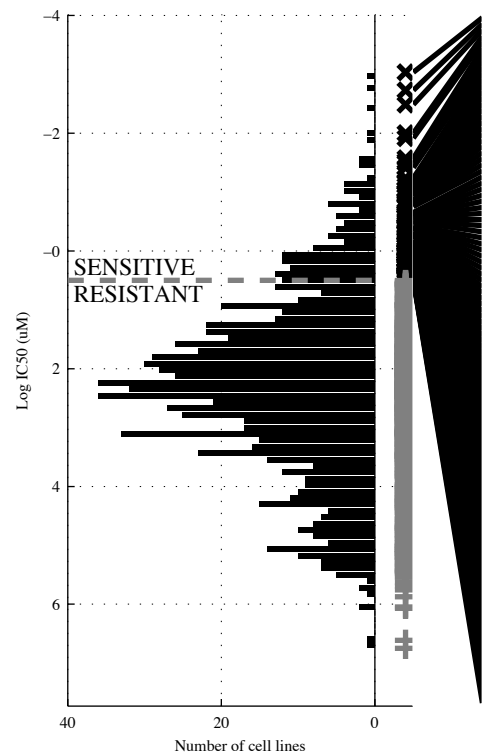
900 cell lines  
 112 sensitive



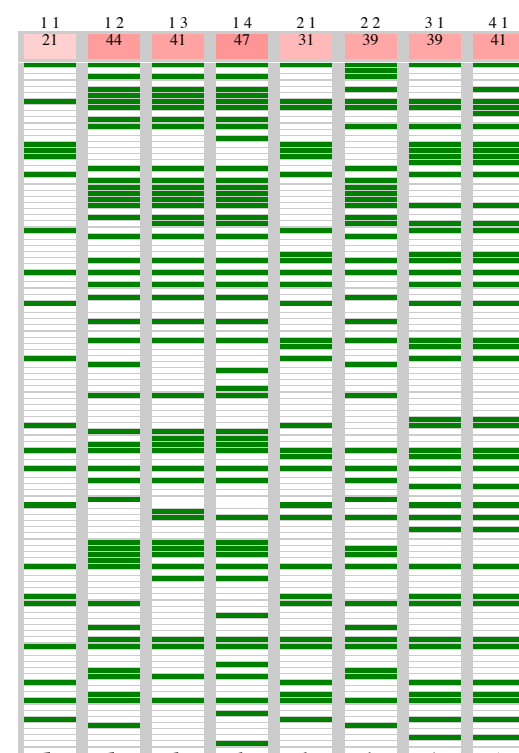
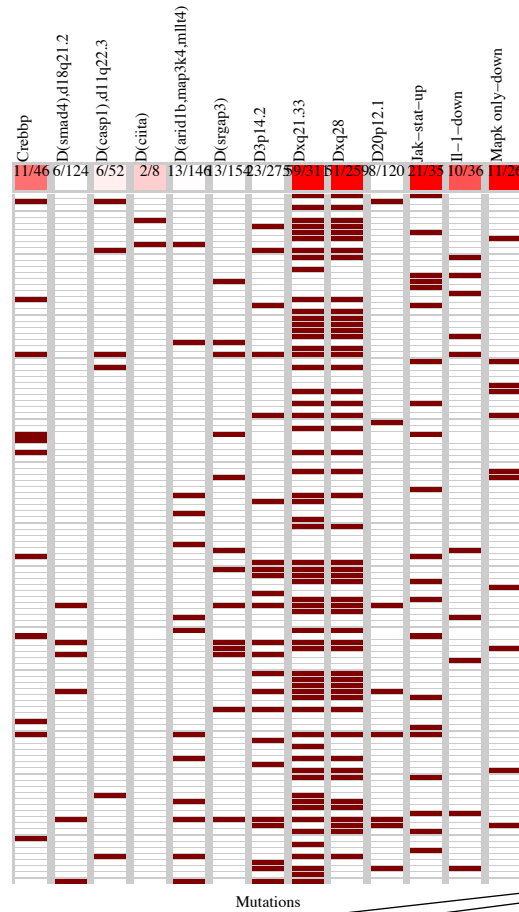
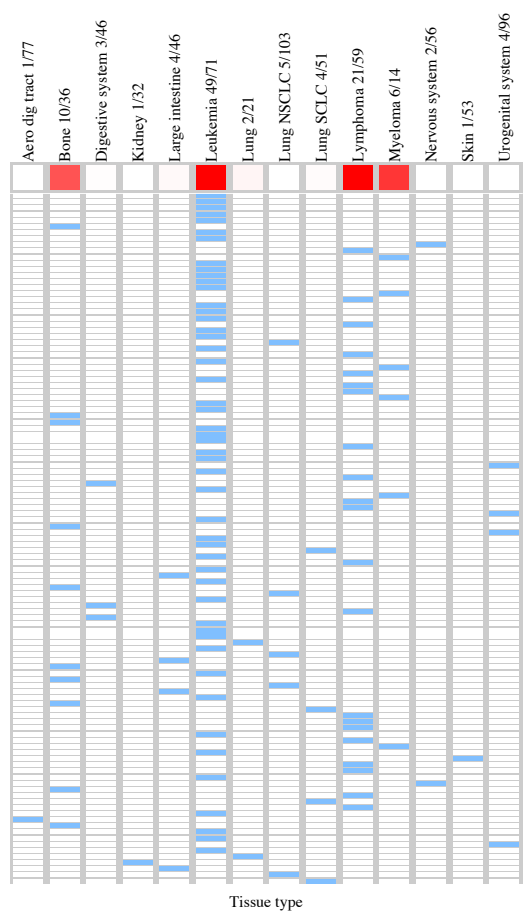
Model name	11	12	13	14	21	22	31	41
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>JAK-ST</b>	<b>d16q23 &amp; ~d3p14.</b>	<b>d16q23 &amp; ~d3p14. &amp; ~d(ERCC)</b>	<b>~RB1 &amp; ~d(BNC) &amp; ~a(IL7R &amp; ~d3p14.</b>	<b>JAK-ST   TLR-UP</b>	[ a18p11 & d(CASP)   [ d16q23 & ~d3p14. ]	<b>MLL2   JAK-ST   TLR-UP</b>	<b>ASXL1   MLL2   JAK-ST   TLR-UP</b>
TP   FP	18   17	34   140	33   110	41   144	32   27	35   140	50   98	52   104
Specificity	0.98	0.82	0.86	0.82	0.97	0.84	0.88	0.87
FN   TN	94   771	78   648	79   678	71   644	80   761	77   648	62   690	60   684
Precision	0.51	0.2	0.23	0.22	0.54	0.23	0.34	0.33
Recall	0.16	0.3	0.29	0.36	0.29	0.35	0.45	0.46

PANCAN  
 id: 306 name: TG101348  
 target: JAK2 class: other

902 cell lines  
 113 sensitive



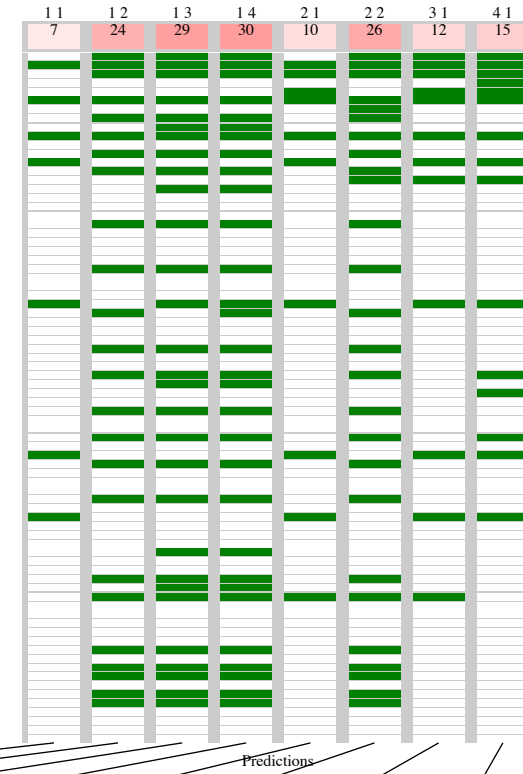
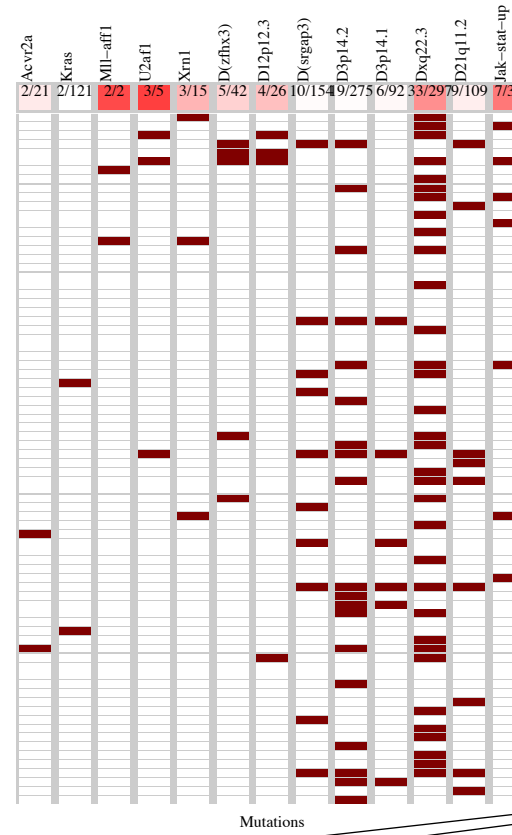
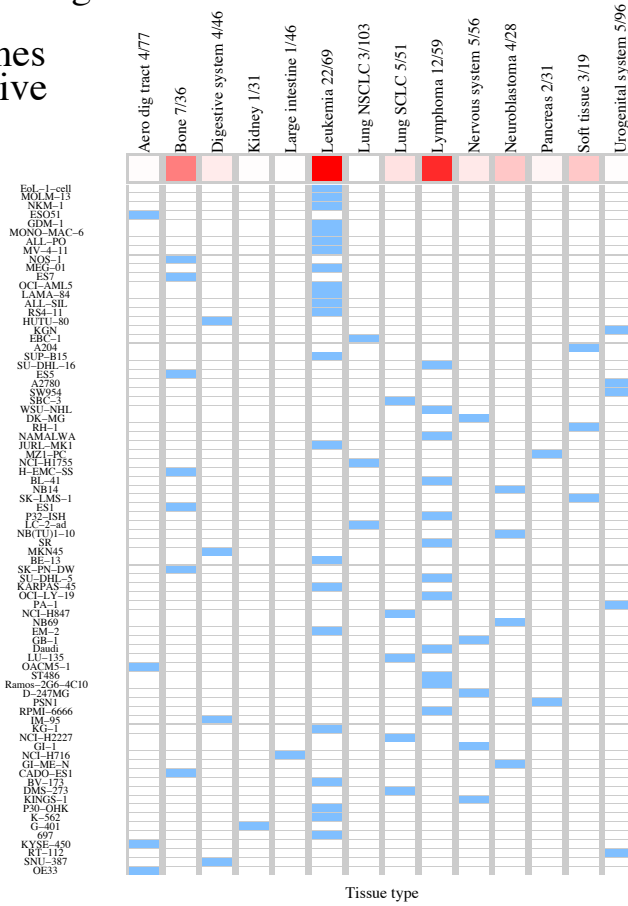
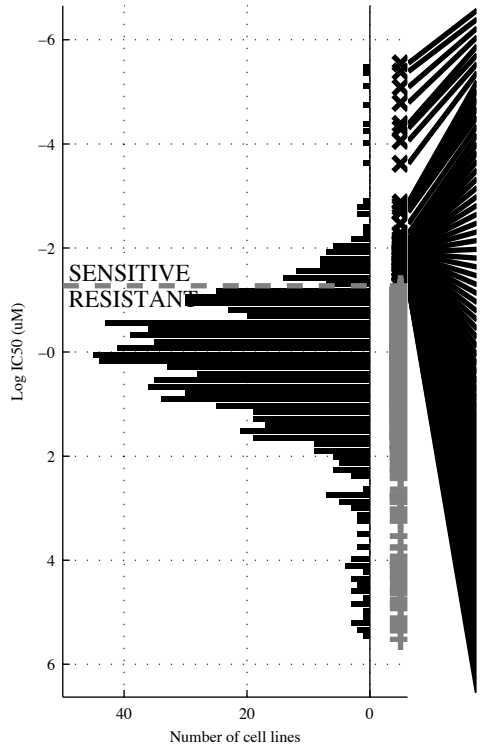
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 K562-113



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>JAK-ST</b>	<b>~d(SRG)&amp; dXq28</b>	<b>~d(ARI)&amp; dXq28 &amp; ~d20p12</b>	<b>~d(SMA)&amp;~d(ARI)&amp; dXq21.&amp;~d20p12</b>	<b>JAK-ST MAPK o</b>	<b>[CREBBP&amp;d(CASP)]   [~d3p14.&amp; dXq28 ]</b>	<b>JAK-ST  IL-1-D   MAPK o</b>	<b>d(CIIT  JAK-ST  IL-1-D  MAPK o</b>
TP   FP	21   14	44   152	41   127	47   130	31   29	39   119	39   51	41   56
Specificity	0.98	0.81	0.83	0.84	0.96	0.89	0.94	0.93
FN   TN	92   775	69   637	72   662	66   659	82   760	74   670	74   738	72   733
Precision	0.6	0.22	0.25	0.27	0.52	0.23	0.43	0.42
Recall	0.19	0.39	0.39	0.4	0.27	0.24	0.35	0.36

PANCAN  
 id: 308 name: XL-880  
 target: MET class: RTK signaling

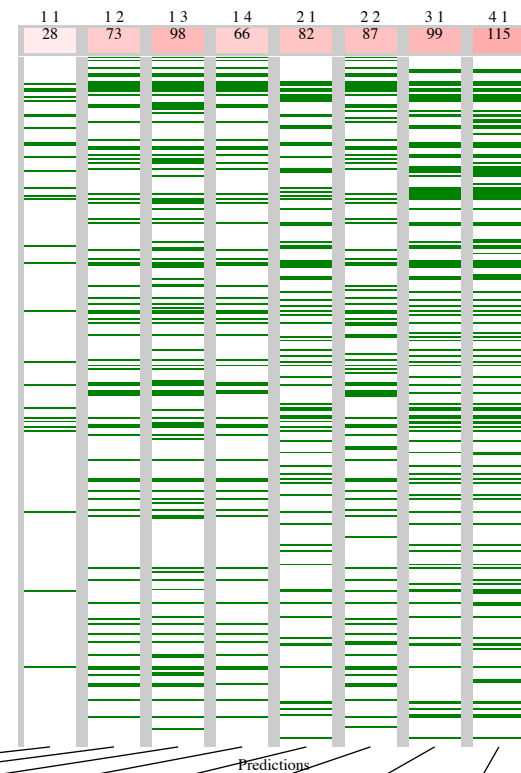
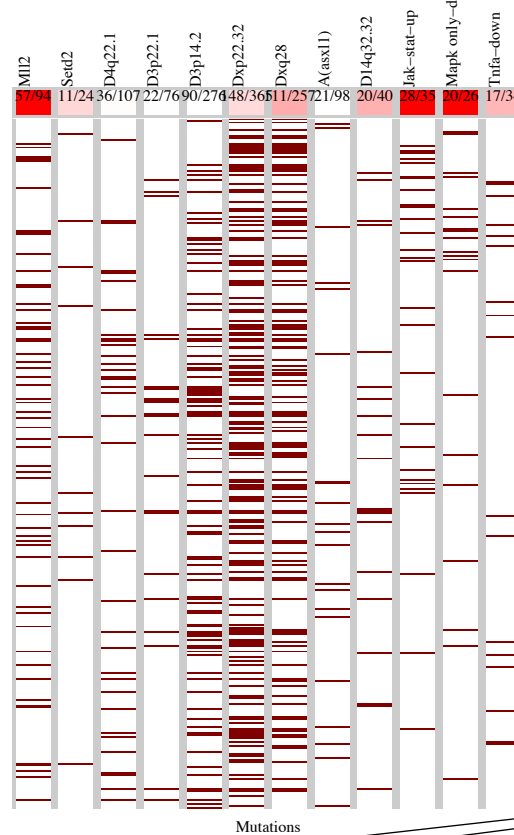
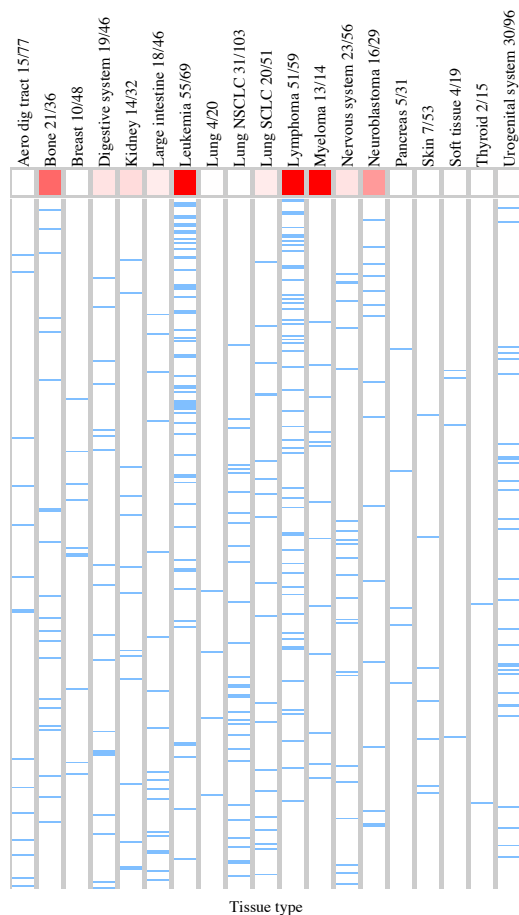
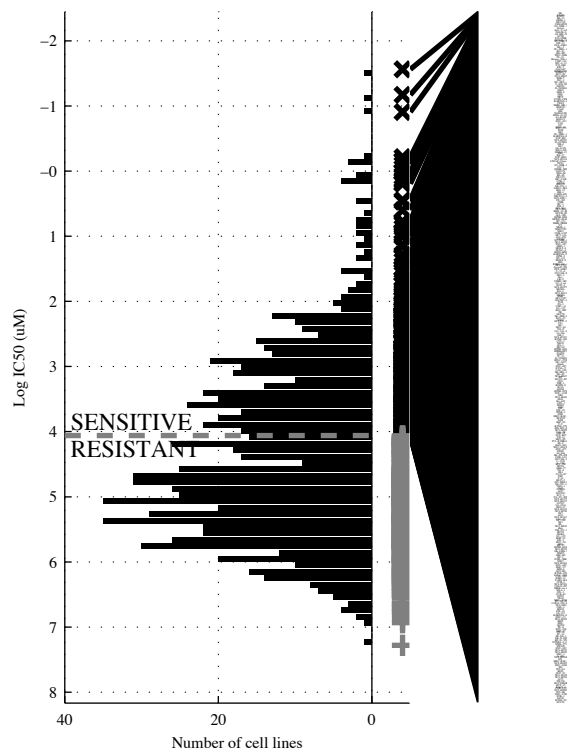
897 cell lines  
 78 sensitive



Model name	11	12	13	14	21	22	31	41
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>JAK-ST</b>	<b>-d3p14.&amp;dXq22.</b>	<b>-d(SRG.&amp;dXq22.&amp;-d21q11</b>	<b>-KRAS&amp;-d3p14.&amp;dXq22.&amp;-d21q11</b>	<b>d12p12   JAK-ST</b>	<b>[ -d3p14.&amp;dXq22. ]   fACVR2&amp;MLL-AF]</b>	<b>XRN1   d12p12   JAK-ST</b>	<b>U2AF1   XRN1   d(ZFHX JAK-ST</b>
TP   FP	7   28	24   159	29   161	30   145	10   48	26   159	12   60	15   79
Specificity	0.97	0.81	0.8	0.82	0.94	0.81	0.93	0.89
FN   TN	71   791	54   660	49   658	48   674	68   771	52   660	66   759	63   740
Precision	0.2	0.13	0.15	0.17	0.17	0.14	0.17	0.15
Recall	0.09	0.31	0.37	0.38	0.13	0.33	0.15	0.2

PANCAN  
 id: 309 name: Y-39983  
 target: ROCK class: cytoskeleton

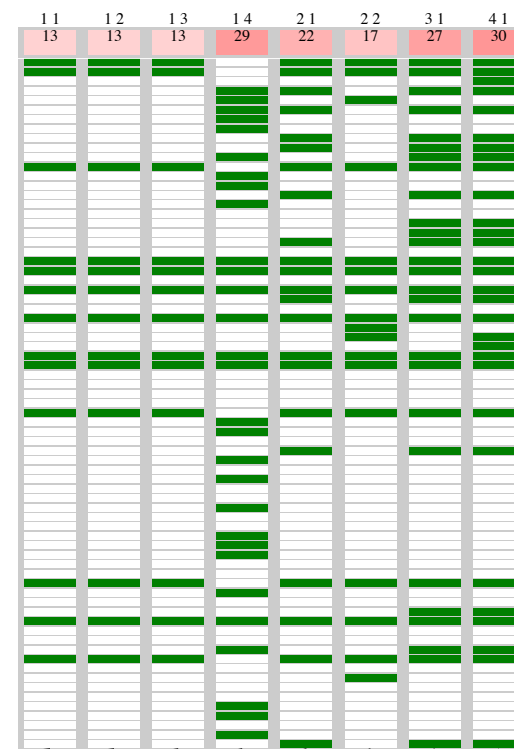
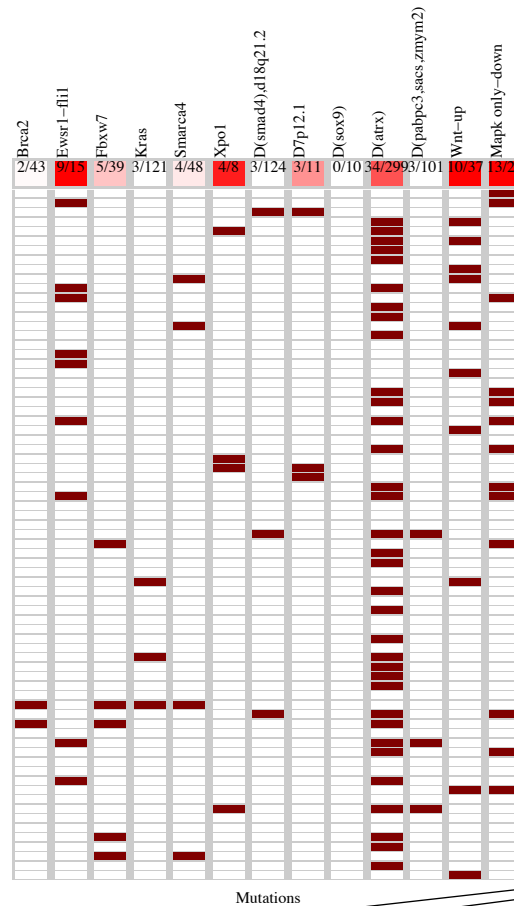
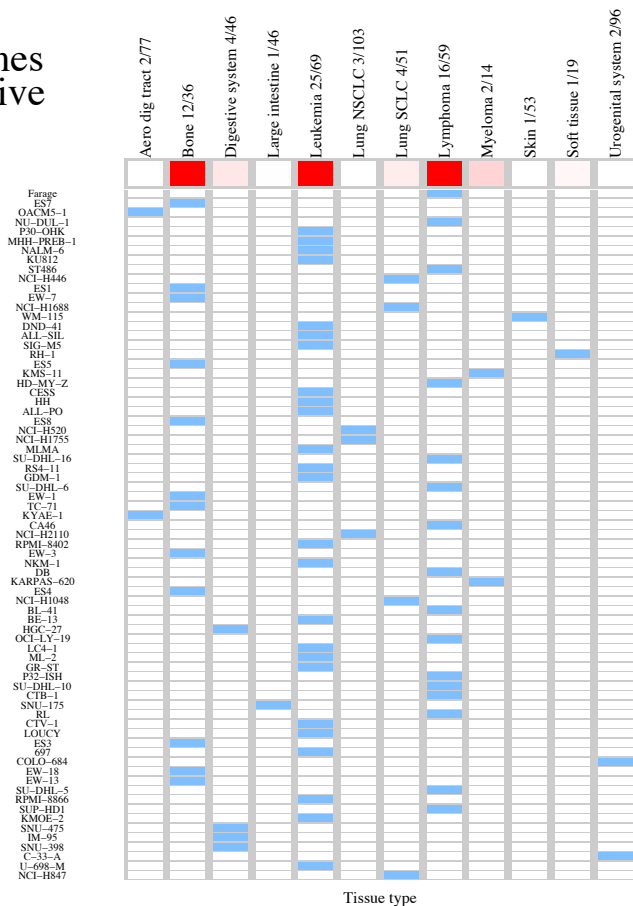
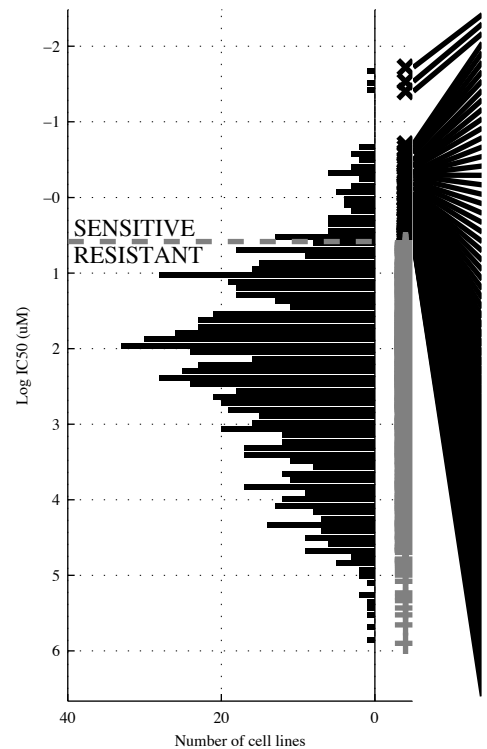
900 cell lines  
 358 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>JAK-ST</b>	<b>~d3p14.&amp; dXq28</b>	<b>~d3p22.&amp; dXq28 &amp; ~a(ASXL1)</b>	<b>~d4q22.&amp;~d3p14.&amp; dXp22.&amp; dXq28</b>	<b>MLL2  JAK-ST</b>	<b>[~SETD2&amp;d14q32]   [~d3p14.&amp; dXq28]</b>	<b>MLL2  JAK-ST   MAPK o</b>	<b>MLL2  JAK-ST   MAPK o  TNFa-D</b>
TP   FP	28   7	73   81	98   104	66   54	82   44	87   92	99   49	115   64
Specificity	0.99	0.85	0.82	0.9	0.92	0.83	0.91	0.89
FN   TN	330   535	285   461	260   438	292   488	276   498	271   450	259   493	243   478
Precision	0.8	0.48	0.49	0.55	0.65	0.48	0.67	0.65
Recall	0.078	0.21	0.27	0.18	0.23	0.25	0.28	0.31

PANCAN  
 id: 310 name: YM201636  
 target: FYV1 class: other

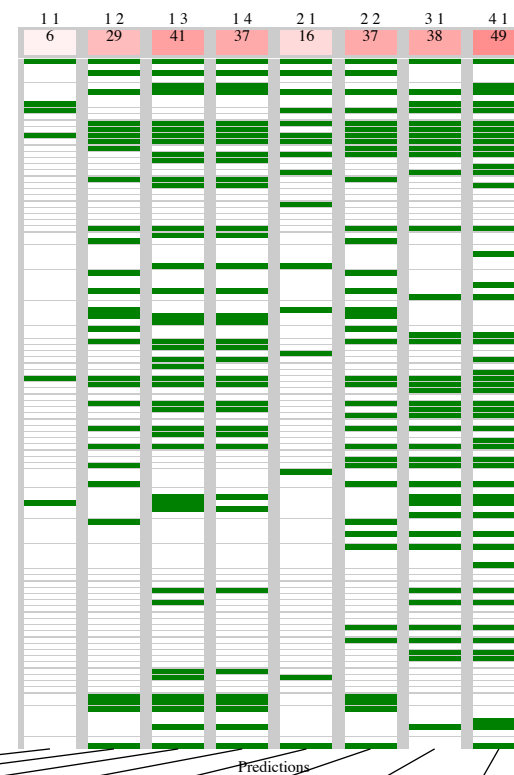
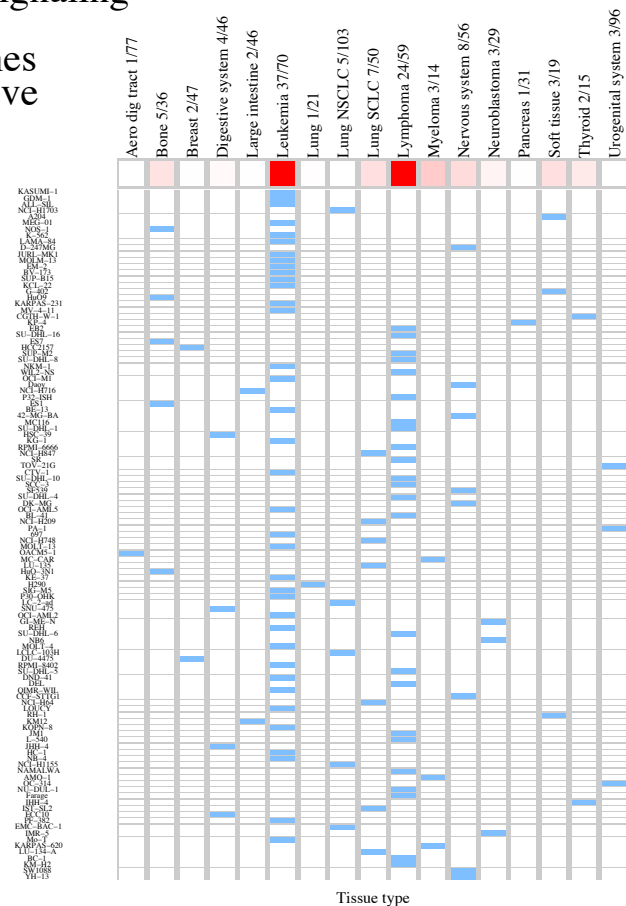
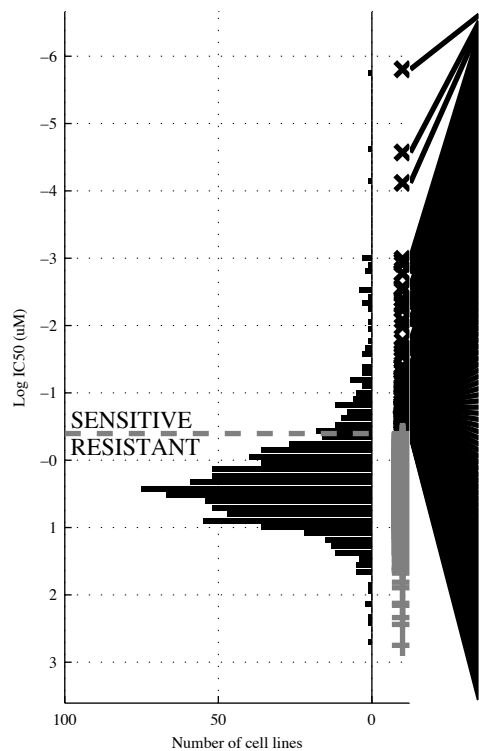
900 cell lines  
 73 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MAPK o</b>	<b>~SMARCA4 &amp; MAPK o</b>	<b>~SMARCA4 &amp; d(SOXB1)</b>	<b>~KRAS &amp; d(SMARCA4)</b>	<b>Wnt-UP   MAPK o</b>	<b>[~BRCA2 &amp; MAPK o]</b>	<b>EWSR1-   Wnt-UP  </b>	<b>EWSR1-   d7p12.1</b>
TP   FP	13   13	13   11	13   10	29   150	22   38	17   12	27   41	30   48
FN   TN	60   814	60   816	60   817	44   677	51   789	56   815	46   786	43   779
Specificity	0.98	0.99	0.99	0.82	0.95	0.99	0.95	0.94
Precision	0.5	0.54	0.57	0.16	0.37	0.59	0.4	0.38
Recall	0.18	0.18	0.18	0.4	0.3	0.23	0.37	0.41

PANCAN  
 id: 312 name: AV-951  
 target: VEGFR class: RTK signaling

900 cell lines  
 111 sensitive

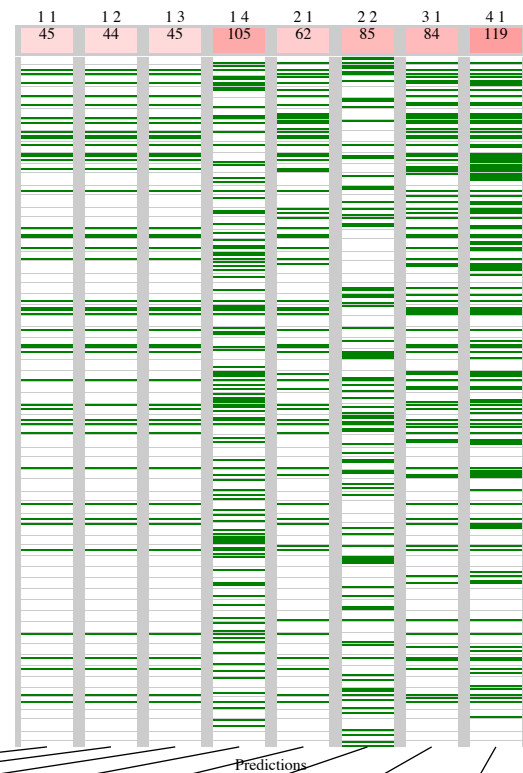
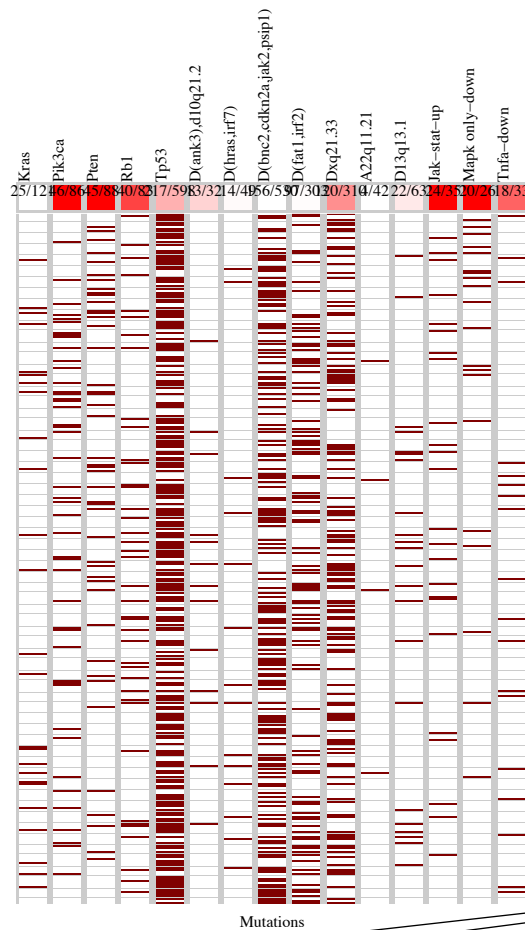
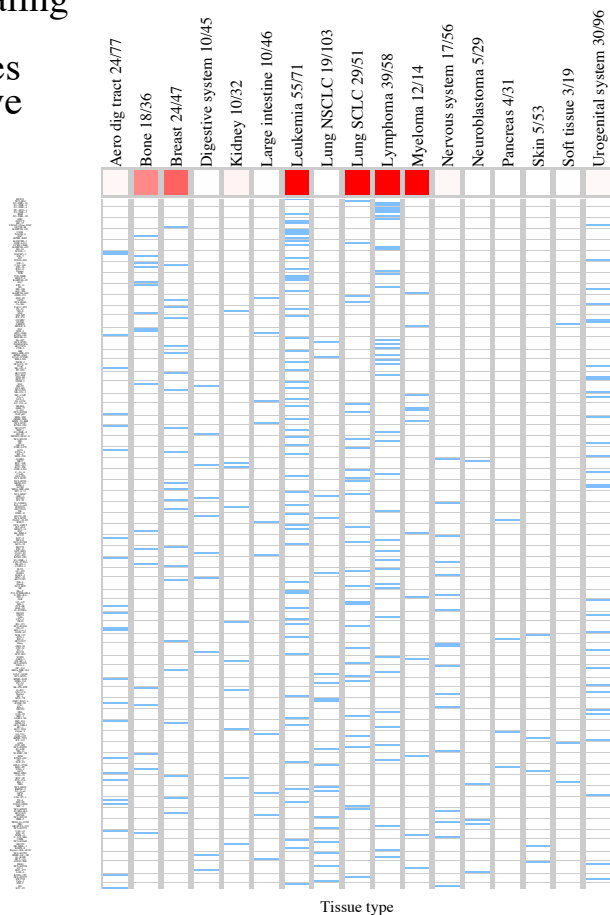
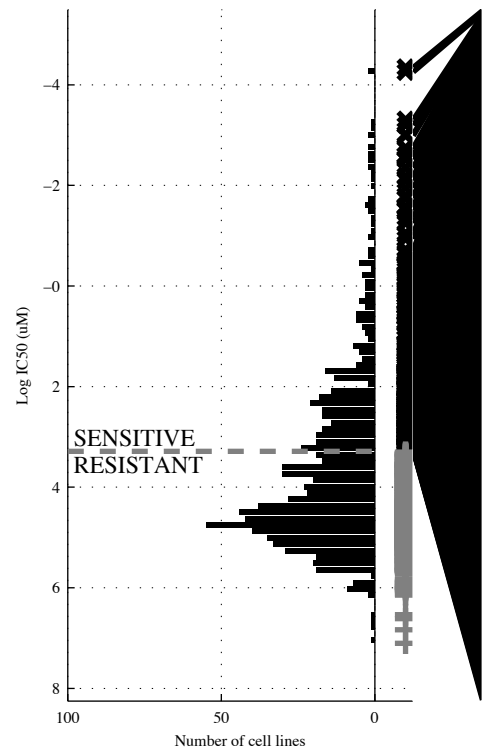


Model name	11	12	13	14	21	22	31	41
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	ASXL1	-d3p14.& dXq28	-KRAS&-d(FAT& dXp21.	-KRAS&-d(FAT& -d(RPL& dXp21.	BCR-ABI d17p13	[ -EZH2&JAK-ST ]   [ -d3p14.& dXq28 ]	ASXL1   MLL2   JAK-ST	ASXL1   MLL2   JAK-ST TGFB-U
TP   FP	6   12	29   124	41   153	37   125	16   65	37   135	38   98	49   133
Specificity	0.98	0.84	0.81	0.85	0.92	0.83	0.88	0.83
FN   TN	105   777	82   665	70   636	74   664	95   724	74   654	73   691	62   656
Precision	0.33	0.19	0.21	0.23	0.2	0.22	0.28	0.27
Recall	0.054	0.26	0.37	0.33	0.14	0.33	0.34	0.44



PANCAN  
 id: 326 name: GSK690693  
 target: AKT class: PI3K signaling

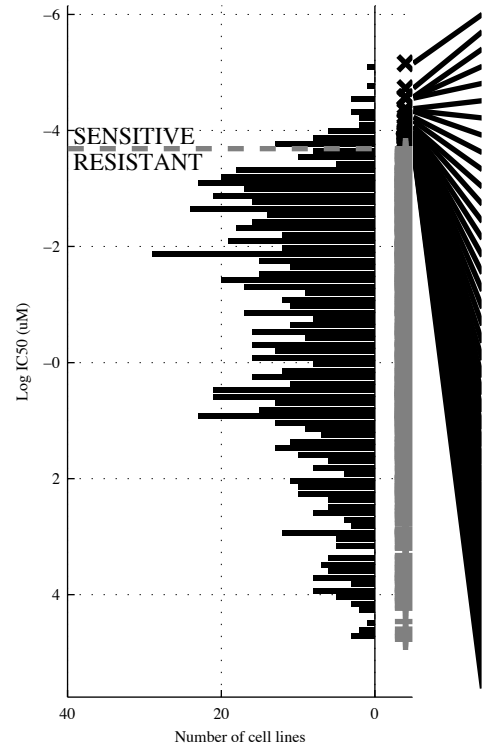
900 cell lines  
 314 sensitive



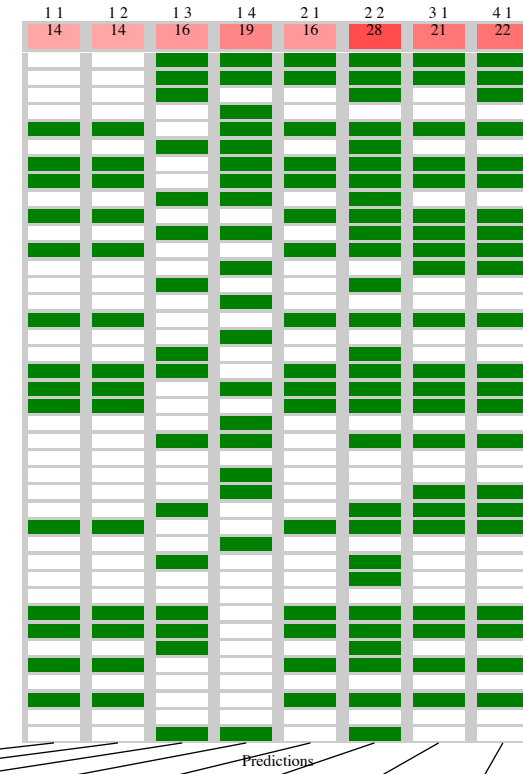
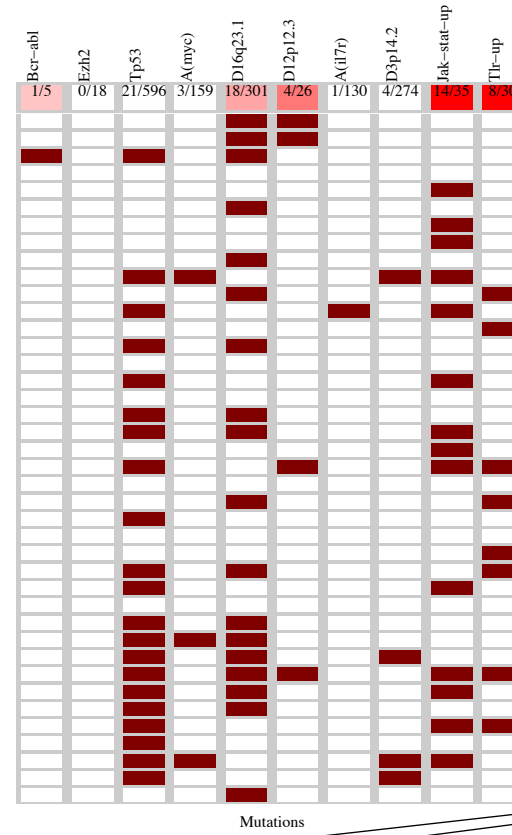
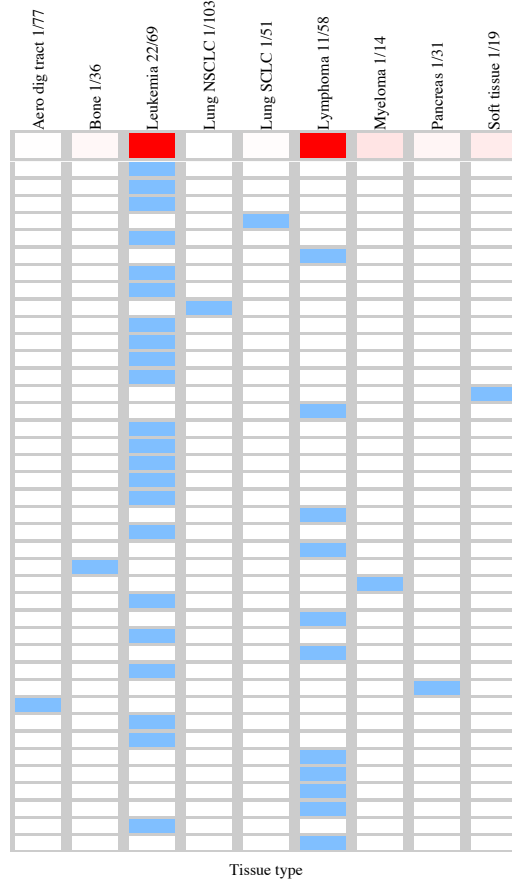
Model name	11	12	13	14	21	22	31	41
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>PTEN</b>	<b>PTEN &amp; ¬d13q13</b>	<b>PTEN &amp; d(ANK&amp;</b>	<b>¬KRAS&amp;d(BNC&amp;</b>	<b>PTEN   MAPK o</b>	<b>[ RB1 &amp; TNFa-D]</b>	<b>PTEN   JAK-ST1</b>	<b>PIK3CA   PTEN  </b>
			<b>¬d(HRAS</b>	<b>¬d(FAT&amp;¬a22q11</b>		<b> </b>	<b>MAPK o</b>	<b>JAK-ST1MAPK o</b>
					<b>[ TP53 &amp; dXq21. ]</b>			
TP   FP Specificity	45   43 0.93	44   36 0.94	45   38 0.94	105   108 0.82	62   48 0.92	85   115 0.8	84   58 0.9	119   94 0.84
FN   TN Precision	269   543 0.51	270   550 0.55	269   548 0.56	209   478 0.49	252   538 0.56	229   471 0.42	230   528 0.59	195   492 0.56
Recall	0.14	0.14	0.14	0.33	0.2	0.27	0.27	0.38

PANCAN  
 id: 328 name: SNX-2112  
 target: HSP90 class: other

892 cell lines  
 40 sensitive



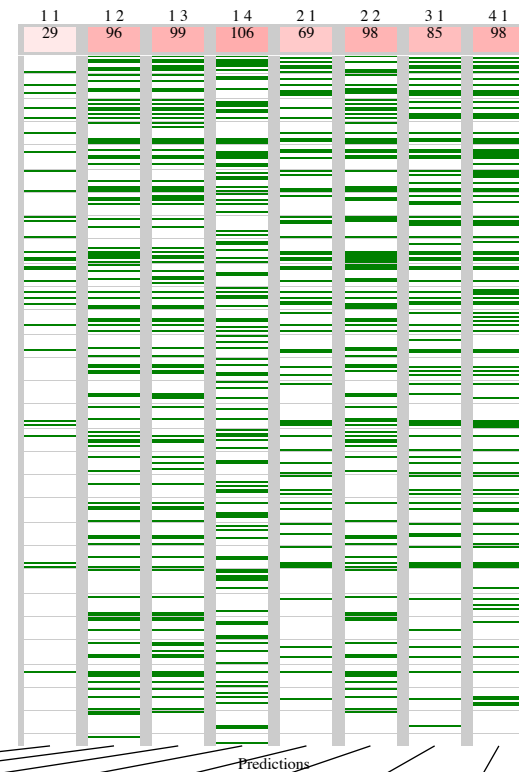
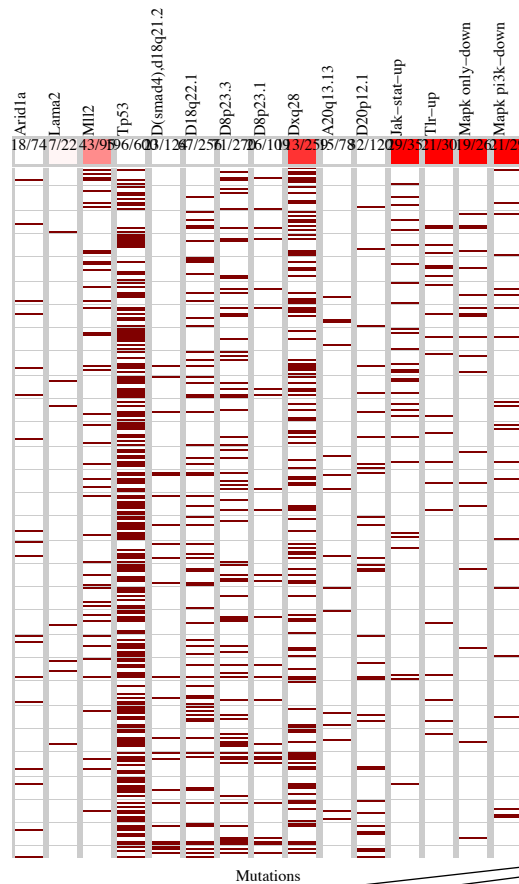
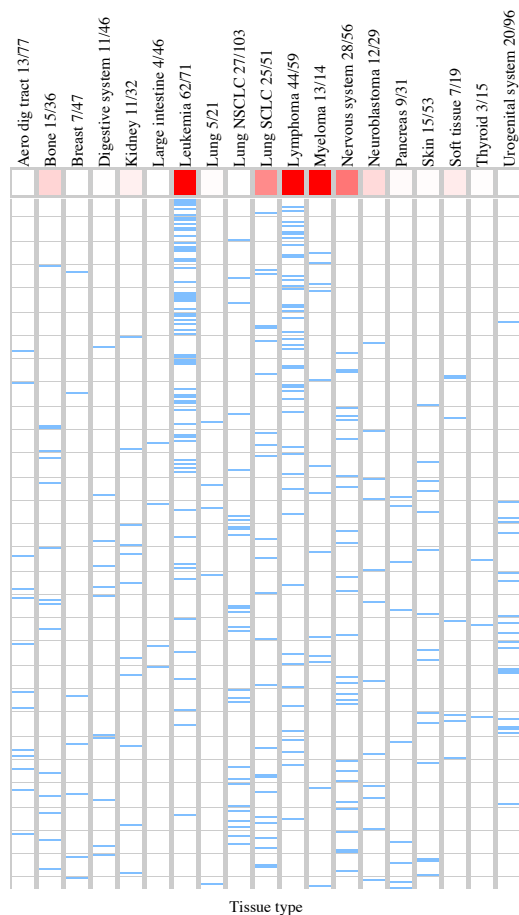
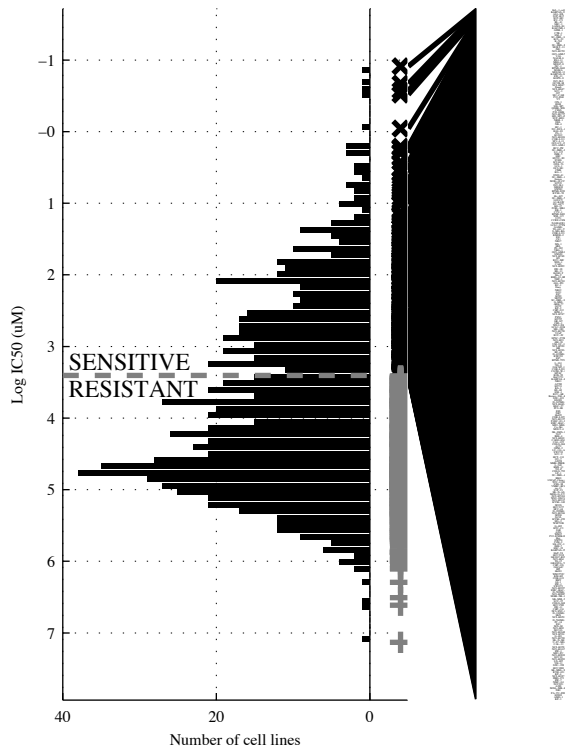
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- GDM-1
- KU812
- SBC-3
- SIG-M5
- SR
- OCI-AML2
- MOLM-13
- NCI-H292
- NB-4
- RPMI-8866
- CMK
- CESS
- SK-LMS-1
- CTB-1
- DND-41
- RS4-11
- ALL-PO
- CCRF-CEM
- ML-2
- H9
- NALM-6
- RPMI-6666
- ES7
- AMO-1
- QIMR-WIL
- WIL2-NS
- KARPAS-45
- OCI-LY-19
- LOUCY
- PSN1
- ESO26
- MONO-MAC-6
- KE-37
- SU-DHL-16
- SLVL
- BL-41
- NAMALWA
- REH
- YT



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>JAK-ST</b>	<b>-EZH2 &amp; JAK-ST</b>	<b>-a(MYC &amp; d16q23 &amp; -d3p14.</b>	<b>-TP53 &amp; a(MYC &amp; -a(IL7R &amp; -d3p14.</b>	<b>d12p12   JAK-ST</b>	<b>[ -EZH2 &amp; JAK-ST ]   [ d16q23 &amp; -d3p14. ]</b>	<b>d12p12   JAK-ST   TLR-UP</b>	<b>BCR-ABI   d12p12   JAK-ST   TLR-UP</b>
TP   FP	14   21	14   18	16   120	19   161	16   42	28   170	21   61	22   63
Specificity	0.98	0.98	0.86	0.81	0.95	0.8	0.93	0.93
FN   TN	26   831	26   834	24   732	21   691	24   810	12   682	19   791	18   789
Precision	0.4	0.44	0.12	0.11	0.28	0.14	0.26	0.26
Recall	0.35	0.35	0.4	0.47	0.4	0.7	0.53	0.55

PANCAN  
 id: 329 name: QL-XI-92  
 target: DDR1 class: RTK signaling

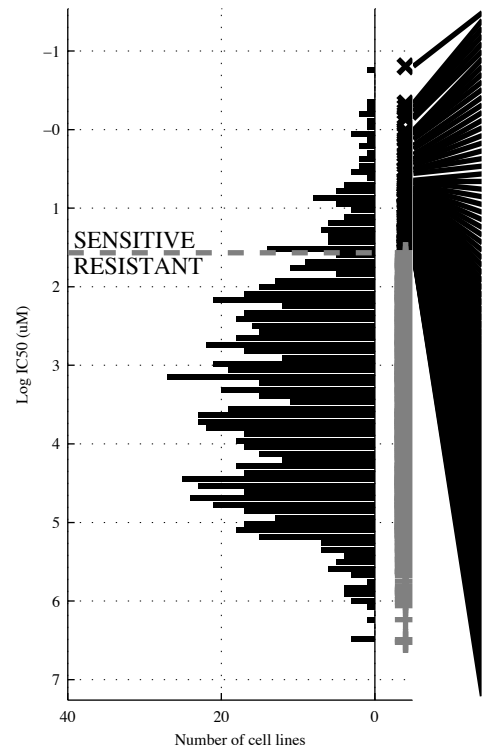
902 cell lines  
 331 sensitive



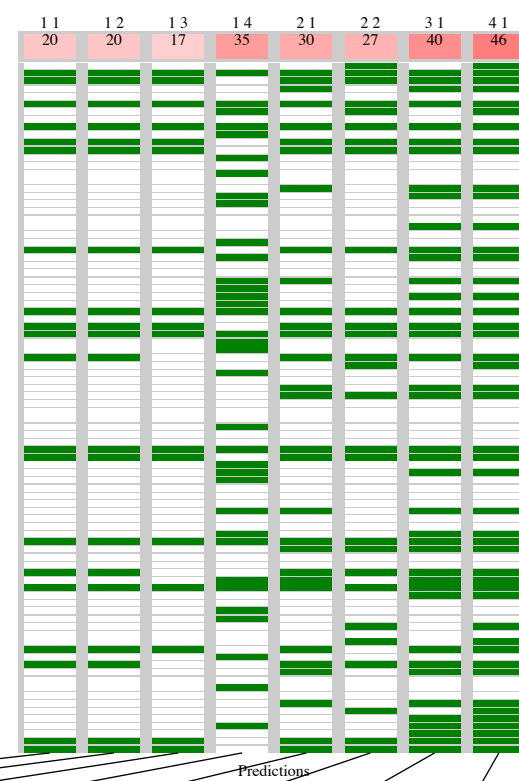
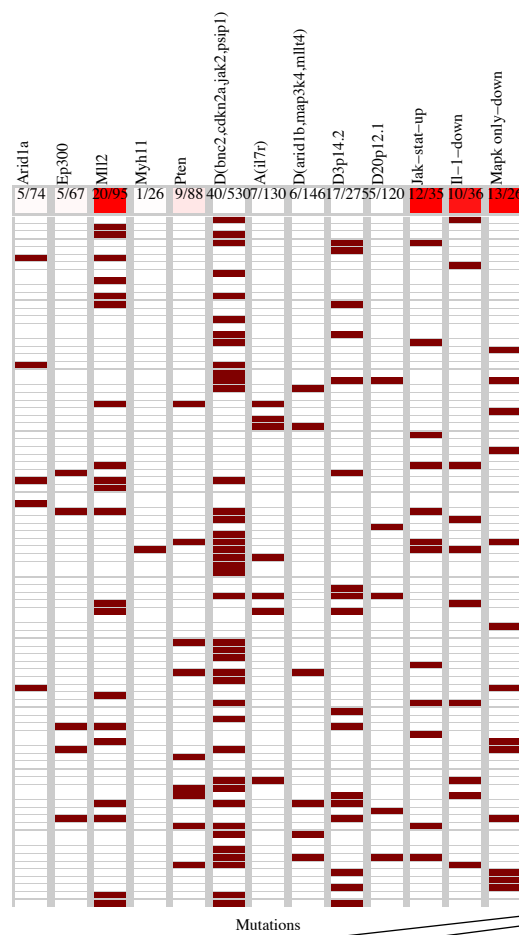
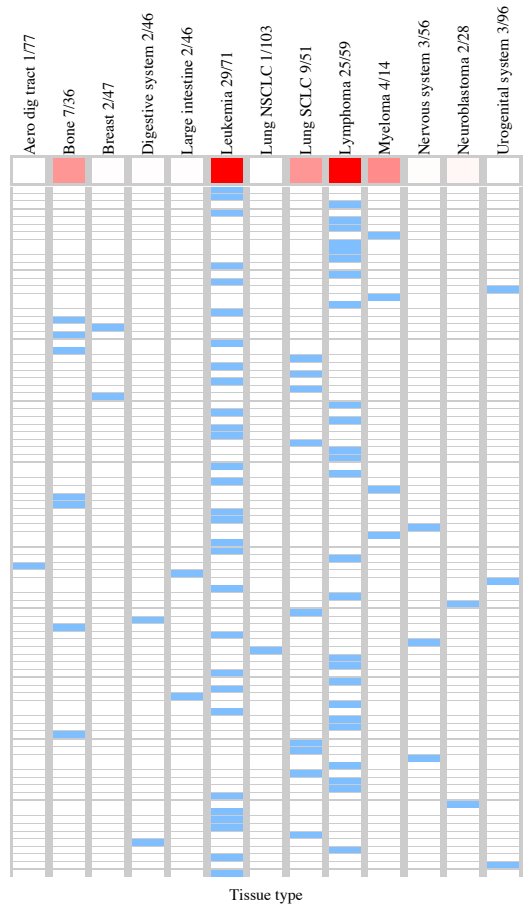
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>JAK-ST</b>	<b>-d8p23.&amp; dXq28</b>	<b>-LAMA2&amp;d(SMA&amp; dXq28</b>	<b>-TP53 &amp;-d18q22&amp; -a20q13&amp;-d20p12</b>	<b>MLL2  JAK-ST</b>	<b>[ -d8p23.&amp; dXq28 ]   [ARID1A&amp;JAK-ST]</b>	<b>MLL2  JAK-ST  MAPK o</b>	<b>MLL2  JAK-ST  TLR-UP MAPK P</b>
TP   FP Specificity FN   TN Precision Recall	29   6 0.99 302   565 0.83 0.088	96   111 0.81 235   460 0.46 0.29	99   101 0.83 232   470 0.49 0.29	106   93 0.82 225   478 0.5 0.31	69   58 0.9 262   513 0.54 0.21	98   92 0.9 233   479 0.65 0.22	85   64 0.89 246   507 0.57 0.26	98   70 0.88 233   501 0.58 0.3

PANCAN  
 id: 330 name: XMD13-2  
 target: RIPK class: other

901 cell lines  
 90 sensitive



ALL-SIL  
 KARPAS-291  
 CTB-1  
 P32-ISH  
 RL-431  
 KMS-12-BM  
 SK-NSCLC-231  
 SU-DHL-8  
 BV-173  
 RMC-1  
 KOPN-8  
 BPH-1  
 KARPAS-420  
 SUP-042  
 MCF-7-13  
 HCT-116  
 HCT-117  
 ES1  
 SFS  
 SFS-2  
 QM8-WIL  
 NCI-H460  
 S-FSS  
 ISL-S1  
 OCUB-M  
 Dms1  
 KUR12  
 VOK  
 GDM-1  
 DMS-41  
 IST-SL2  
 OCLY-19  
 SU-DHL-1  
 KG-1  
 PC-1  
 CTV-1  
 MCF-P-8  
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 RPMI-8226  
 CCRF-HEM  
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 S1485  
 PC14A  
 SNU-175  
 Gc-81  
 HC-8  
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 H976T  
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 KCL-22  
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 NU-DHL-1  
 RL-22  
 LC4  
 HCL-116  
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 F97  
 F972  
 EW-13  
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 NCI-H664  
 D-37MG  
 SUP-HD1  
 NCI-HE11  
 SCC-3  
 SU-DHL-6  
 KARPAS-45  
 Gc-80-8  
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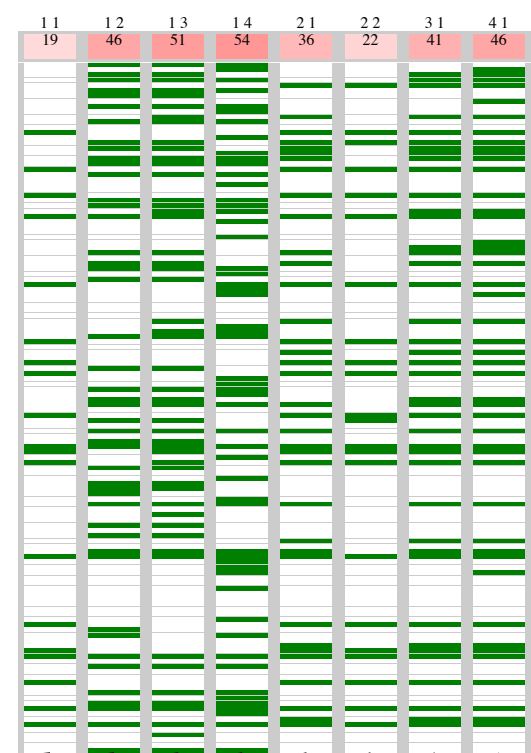
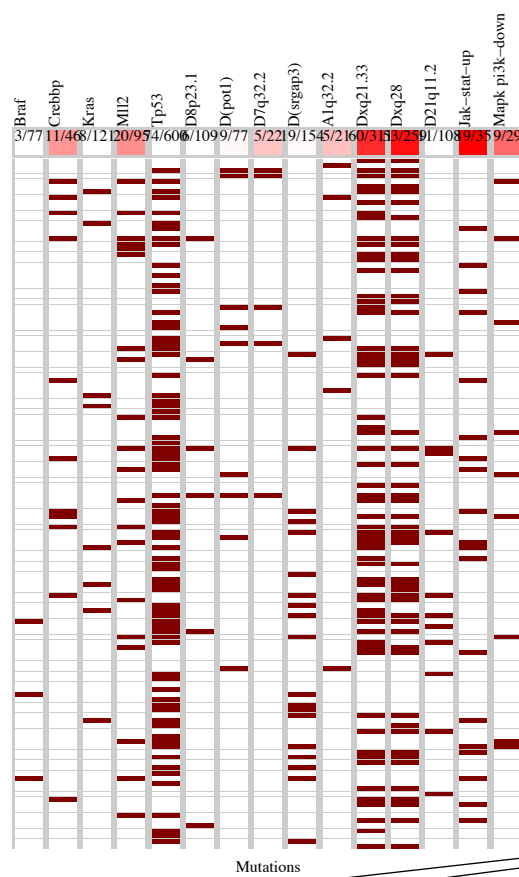
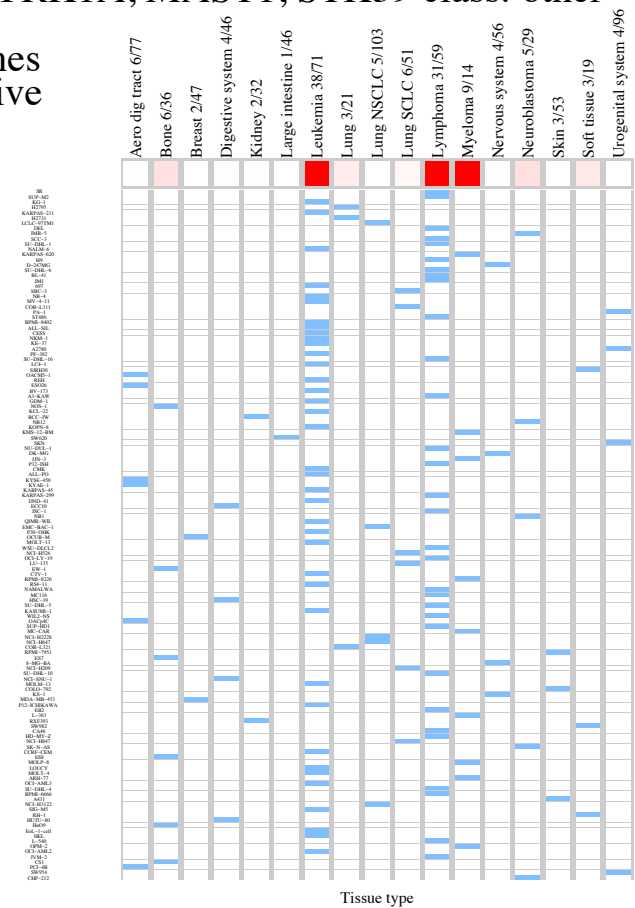
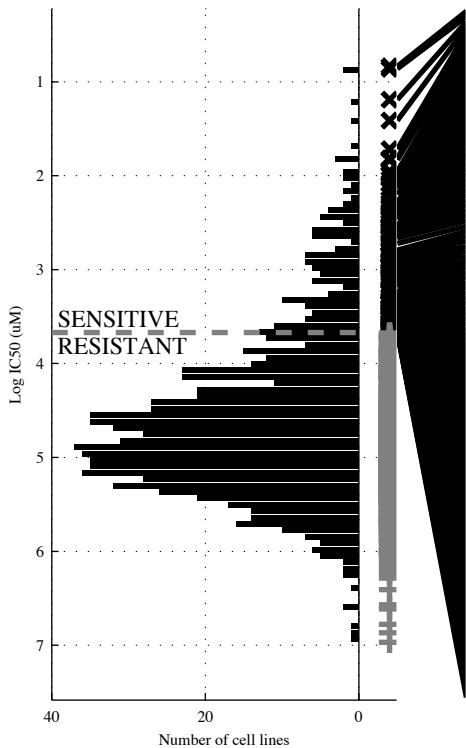


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MLL2</b>	<b>MLL2 &amp; MYH11</b>	<b>-EP300 &amp; MLL2 &amp; -d20p12</b>	<b>-PTEN &amp; d(BNC) &amp; -a(IL7R &amp; -d3p14.</b>	<b>MLL2   JAK-ST</b>	<b>[ MLL2 &amp; d(ARID)   [ARID1 &amp; IL-1-D ]</b>	<b>MLL2   JAK-ST   MAPK o</b>	<b>MLL2   JAK-ST   IL-1-D   MAPK o</b>
Specificity	20   75 0.91	20   59 0.93	17   39 0.9	35   141 0.81	30   97 0.88	27   76 0.91	40   109 0.87	46   128 0.84
Precision	70   736 0.21	70   752 0.25	73   772 0.25	55   670 0.19	60   714 0.24	63   735 0.26	50   702 0.27	44   683 0.26
Recall	0.22	0.22	0.25	0.41	0.33	0.28	0.44	0.51



PANCAN  
 id: 332 name: XMD15-27  
 target: CAMK2B, CLK2, DYRK1A, MAST1, STK39 class: other

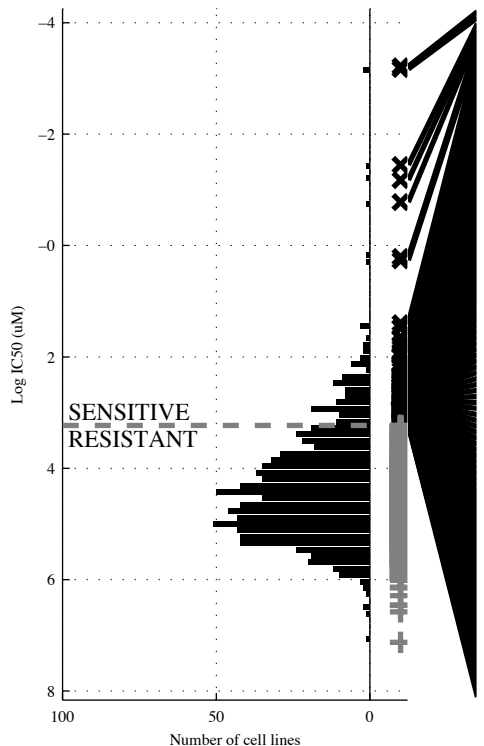
902 cell lines  
 132 sensitive



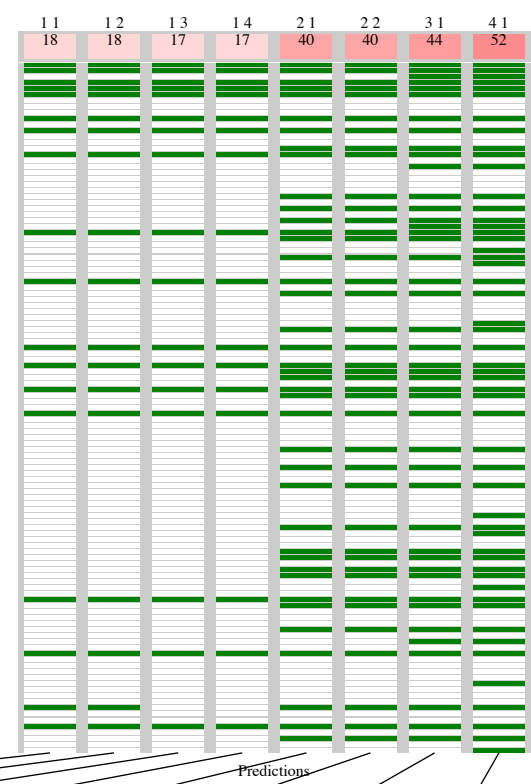
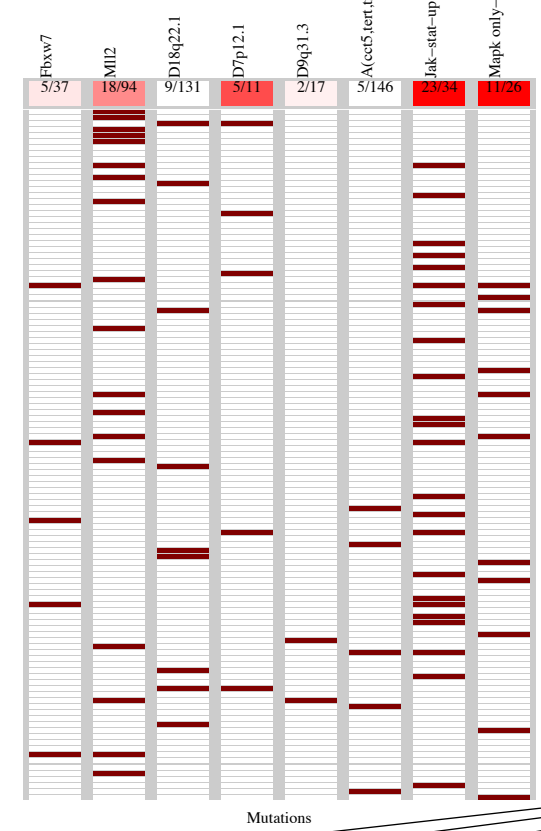
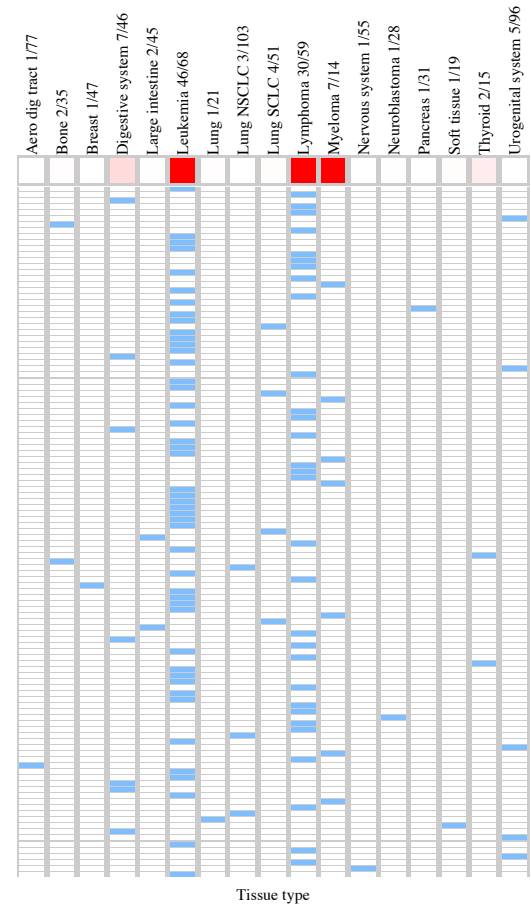
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>JAK-ST</b>	<b>-d(SRG)&amp; dXq28</b>	<b>-d(SRG)&amp; dXq21.&amp; -d21q11</b>	<b>-BRAF&amp;-KRAS&amp; -TP53 &amp;-d8p23.</b>	<b>MLL2  JAK-ST</b>	<b>[CREBBP&amp;MAPK P]   [-d(POT&amp;JAK-ST)]</b>	<b>MLL2   d7q32.   JAK-ST</b>	<b>MLL2   d7q32.   a1q32.  JAK-ST</b>
TP   FP Specificity	19   16 0.98	46   150 0.81	51   152 0.8	54   152 0.81	36   91 0.88	22   19 0.92	41   105 0.86	46   121 0.84
FN   TN Precision	113   754 0.54	86   620 0.23	81   618 0.25	78   618 0.26	96   679 0.28	110   751 0.46	91   665 0.28	86   649 0.28
Recall	0.14	0.35	0.38	0.39	0.27	0.25	0.31	0.35

PANCAN  
 id: 333 name: T0901317  
 target: LXR class: other

895 cell lines  
 115 sensitive



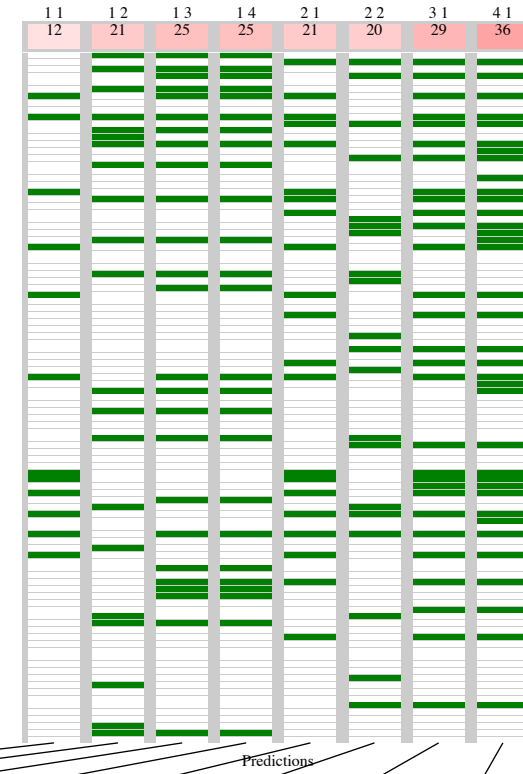
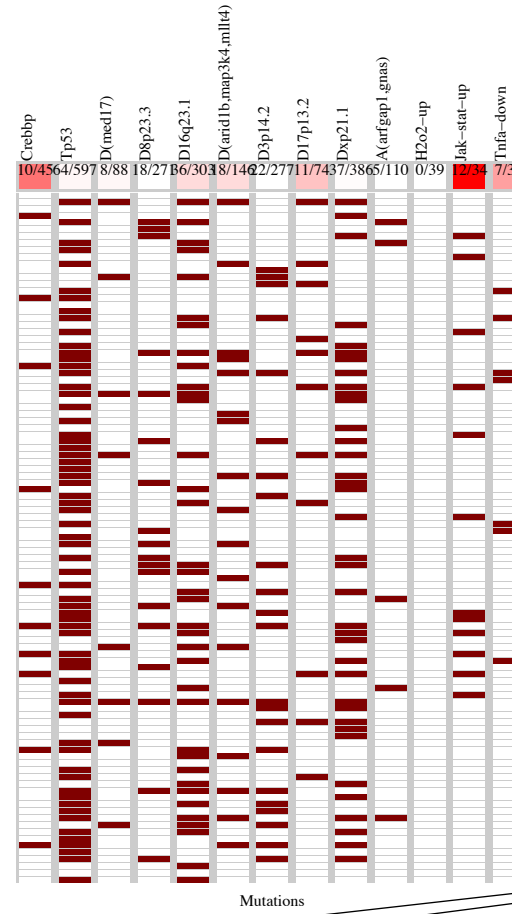
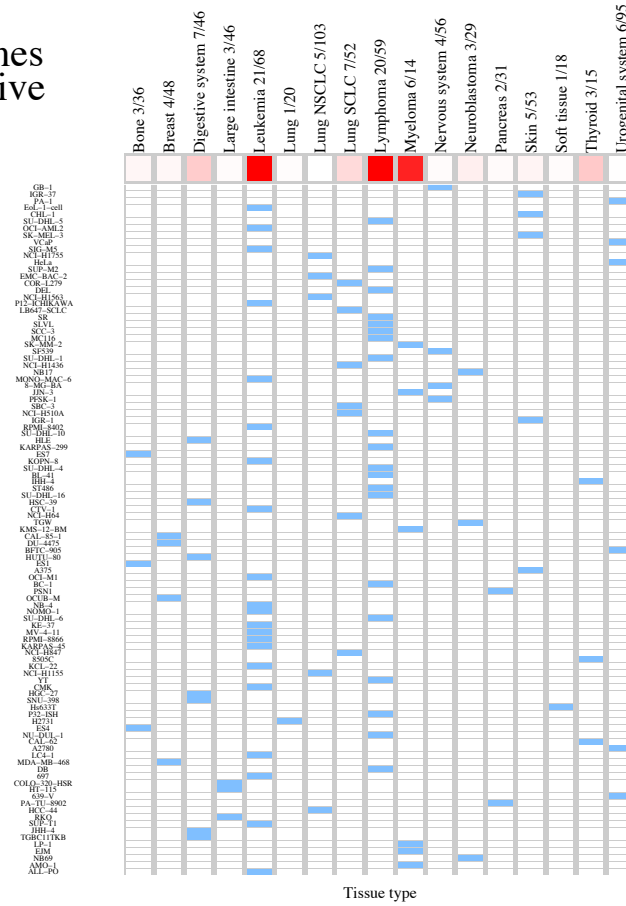
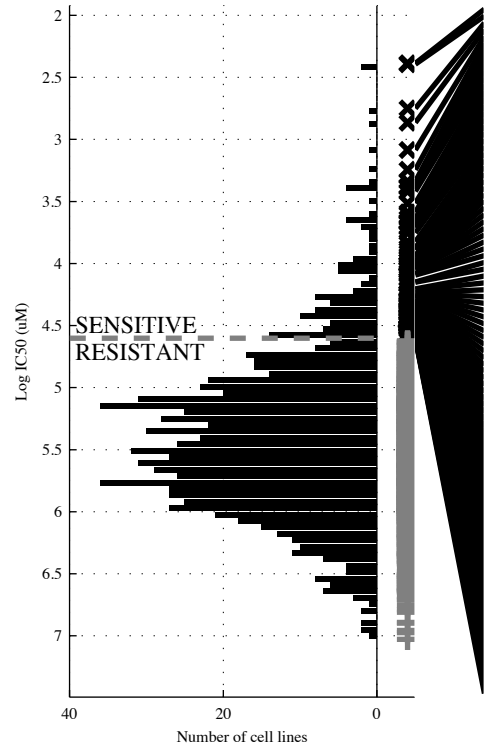
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Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MLL2</b>	<b>MLL2 &amp; a(CCT5)</b>	<b>-FBXW &amp; MLL2 &amp; a(CCT5)</b>	<b>-FBXW &amp; MLL2 &amp; d18q22 &amp; a(CCT5)</b>	<b>MLL2   JAK-ST</b>	<b>[ -d9q31 &amp; JAK-ST ]   [ MLL2 &amp; a(CCT5) ]</b>	<b>MLL2   d7p12.   JAK-ST</b>	<b>MLL2   d7p12.   JAK-ST   MAPK o</b>
TP   FP	18   76	18   61	17   47	17   38	40   85	40   69	44   90	52   104
Specificity	0.9	0.92	0.94	0.95	0.89	0.92	0.88	0.87
FN   TN	97   704	97   719	98   733	98   742	75   695	75   711	71   690	63   676
Precision	0.19	0.23	0.27	0.31	0.32	0.33	0.33	0.33
Recall	0.16	0.16	0.15	0.15	0.35	0.28	0.38	0.45

PANCAN  
 id: 341 name: EX-527  
 target: SIRT1 class: other

897 cell lines  
 101 sensitive

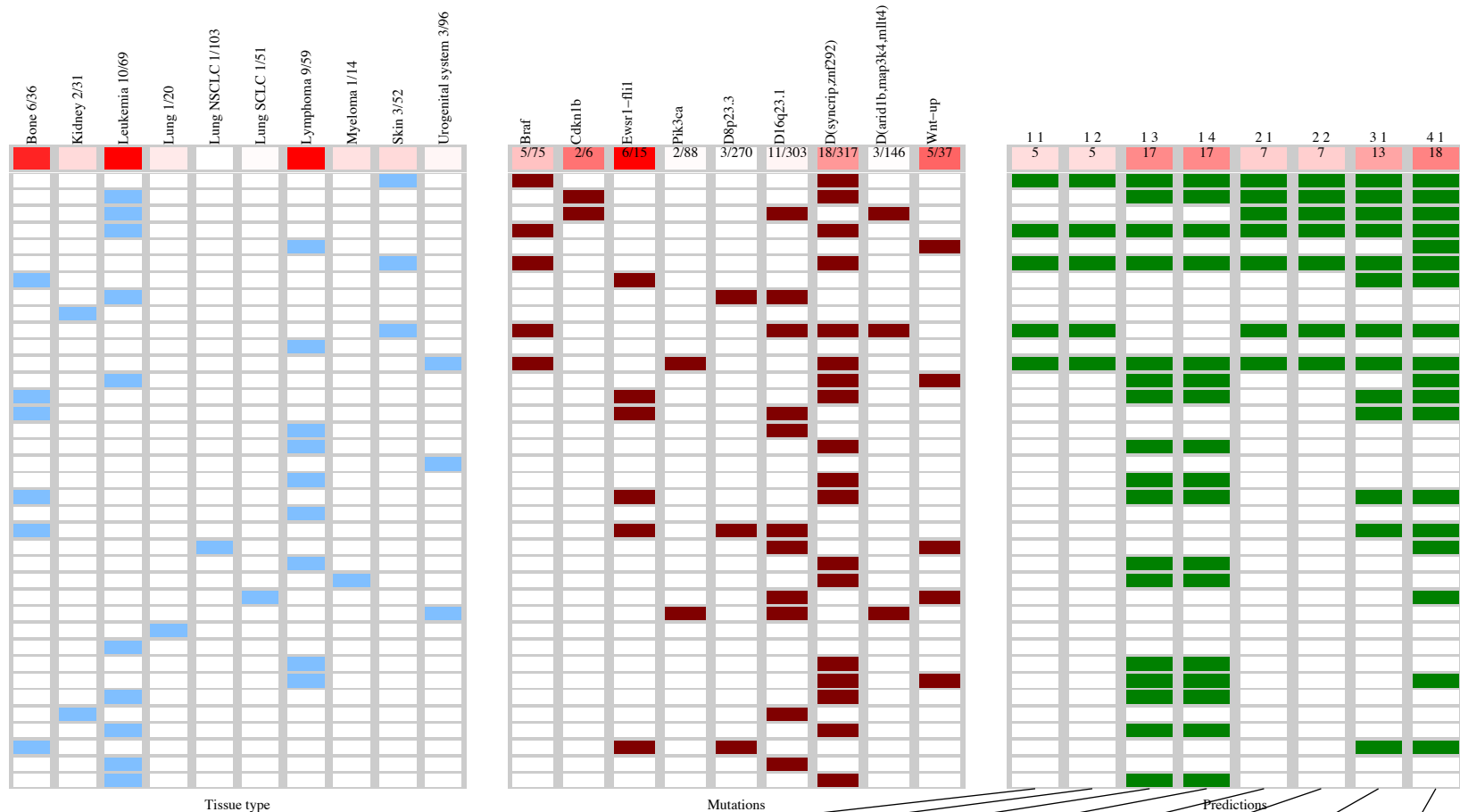
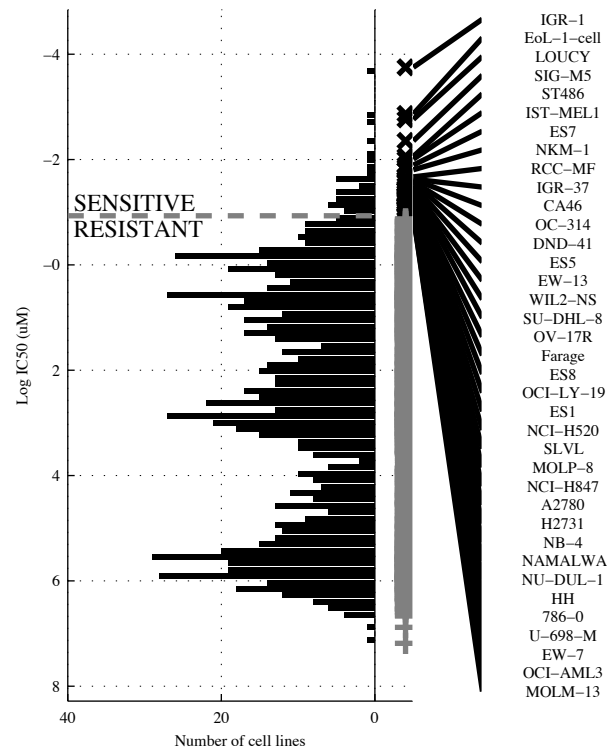


Model name	11	12	13	14	21	22	31	41
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>JAK-ST</b>	<b>-TP53 &amp; -dXp21.</b>	<b>-TP53 &amp; -d16q23&amp;</b> <b>-H2O2-U</b>	<b>-TP53 &amp; d(MED&amp;</b> <b>-d16q23&amp;a(ARFG</b>	<b>d17p13  JAK-ST</b>	<b>[CREBBP&amp;-d3p14.]</b> <b>[ -d8p23.&amp;d(ARID ]</b>	<b>CREBBP  d17p13  </b> <b>JAK-ST</b>	<b>CREBBP  d17p13  </b> <b>JAK-ST TNFa-D</b>
TP   FP Specificity	12   22 0.97	21   139 0.83	25   152 0.81	25   129 0.84	21   81 0.9	20   87 0.91	29   111 0.86	36   135 0.83
FN   TN Precision	89   774 0.35	80   657 0.13	76   644 0.14	76   667 0.23	80   715 0.21	81   709 0.19	72   685 0.21	65   661 0.21
Recall	0.12	0.21	0.25	0.23	0.21	0.17	0.29	0.36



PANCAN  
 id: 344 name: THZ-2-49  
 target: CDK9 class: cell cycle

897 cell lines  
 37 sensitive

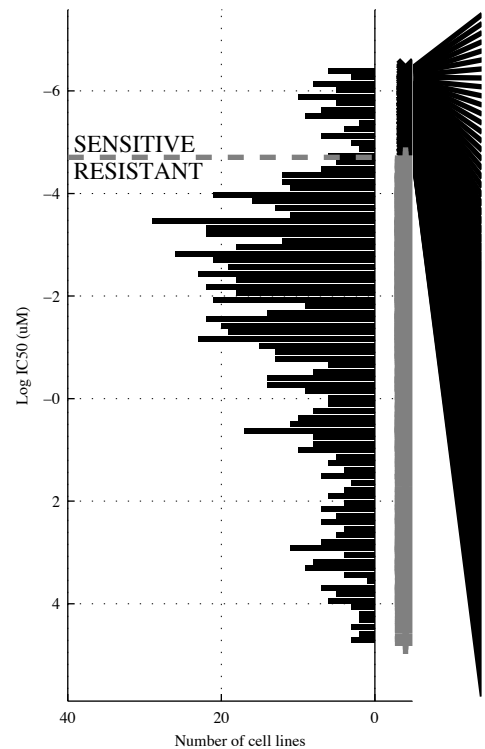


Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>BRAF</b>		<b>BRAF &amp; d(SYNC)</b>		<b>~d8p23.&amp;~d16q23&amp;</b>		<b>~d8p23.&amp;~d16q23&amp;</b>		<b>BRAF  CDKN1B</b>		<b>[CDKN1B&amp;PIK3CA]</b>		<b>BRAF  CDKN1B</b>		<b>BRAF  CDKN1B</b>	
					<b>d(SYNC)</b>		<b>d(SYNC&amp;d(ARID)</b>				<b>[ BRAF &amp;d(SYNC) ]</b>		<b>EWSR1-</b>		<b>EWSR1-IWnt-UP</b>	
TP   FP Specificity	5   70	0.92	5   20	0.98	17   118	0.86	17   96	0.89	7   73	0.92	7   22	0.97	13   81	0.91	18   109	0.87
FN   TN Precision	32   790	0.067	32   840	0.2	20   742	0.13	20   764	0.15	30   787	0.087	30   838	0.24	24   779	0.14	19   751	0.14
Recall	0.14		0.14		0.46		0.46		0.19		0.19		0.35		0.49	

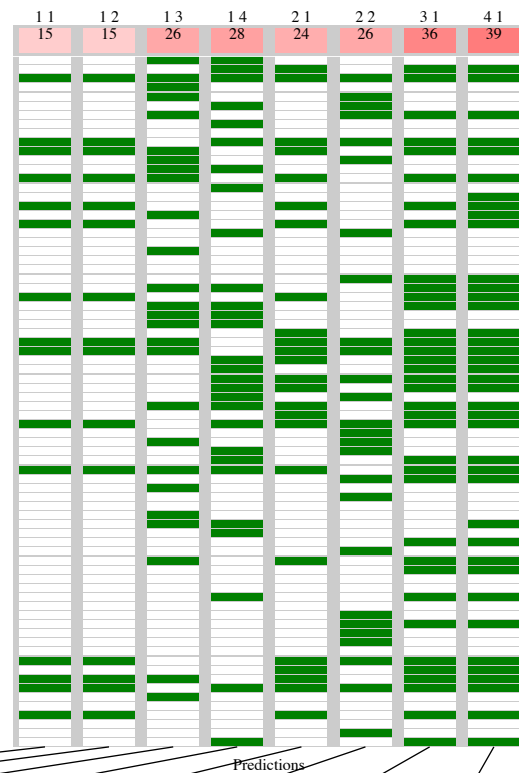
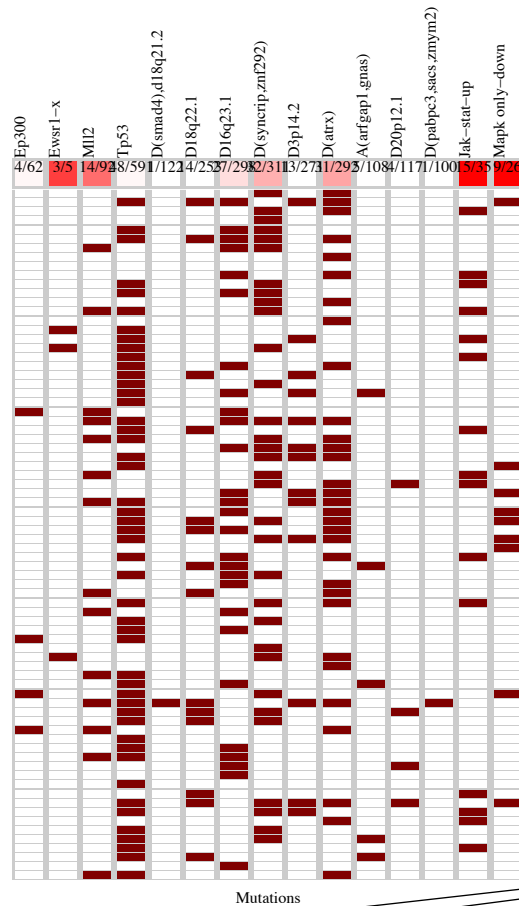
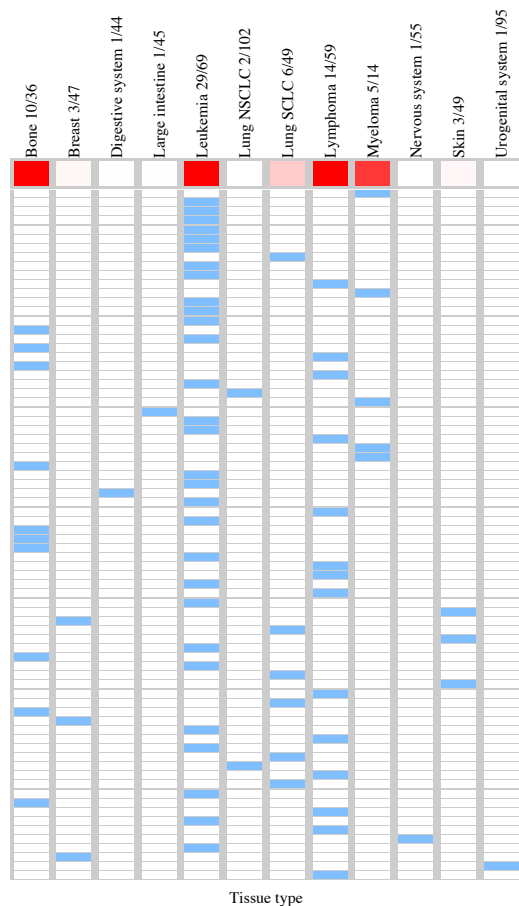


PANCAN  
 id: 346 name: THZ-2-102-1  
 target: CDK7 class: cell cycle

883 cell lines  
 76 sensitive



MOLP-8  
 MOLA-1  
 MOLA-3  
 LC4-1  
 BE-13  
 KU812  
 RPMI-8866  
 SBC-3  
 RS4-11  
 OCI-AML3  
 NLV  
 KARPAS-620  
 EoL-1-cell  
 DND-41  
 MV-4-11  
 TIC-71  
 NB-4  
 EW-18  
 Du4b  
 EW-13  
 ST486  
 KOPN-8  
 NCI-H661  
 KMS-12-BM  
 GP59  
 GR-S7  
 HL-21  
 NL-DL-1  
 L-363  
 EJM  
 ES7  
 SIG-M5  
 ML-2  
 HUTU-80  
 MHH-PHER-1  
 WHL2-NS  
 BH  
 ES1  
 EW-7  
 MONO-MAC-6  
 Y7  
 TUR  
 NKM-1  
 OCI-LY-19  
 L-698-M  
 MEL-JUSO  
 HCC70  
 NCI-H847  
 A431  
 HC-1  
 EW-3  
 NALM-6  
 NCI-H446  
 CHL-1  
 F886  
 NCI-H211  
 ES5  
 OCUB-M  
 P50-DHK  
 CA46  
 ALL-PO  
 NCI-H1048  
 NCI-H292  
 JSC-1  
 DMS-273  
 K51-22  
 ES7  
 NAMA17A  
 OCI-AML2  
 DEL  
 GI-1  
 CMK  
 ERM-19  
 A2780  
 BL-41

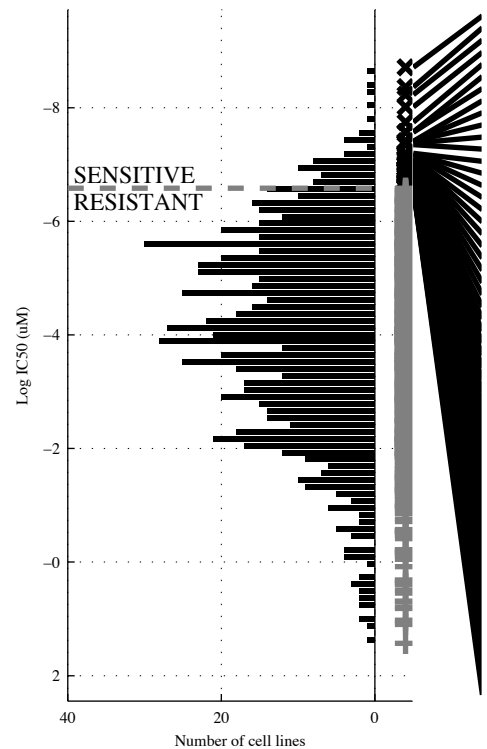


Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	M															
Logic formula	<b>JAK-ST</b>		<b>-EP300&amp;JAK-ST</b>		<b>-d18q22&amp;d(SYNC&amp;</b>		<b>-d(SMA&amp;d(ATRX&amp;</b>		<b>JAK-ST MAPK o</b>		<b>[ -TP53 &amp;JAK-ST]</b>		<b>MLL2  JAK-ST </b>		<b>EWSR1-  MLL2  </b>	
					<b>-a(ARFG</b>		<b>-d20p12&amp;-d(PABP</b>				<b>[ d16q23 &amp;-d3p14.]</b>		<b>MAPK o</b>		<b>JAK-ST MAPK o</b>	
TP   FP	15   20	0.98	15   17	0.98	26   154	0.81	28   137	0.83	24   36	0.96	26   154	0.81	36   110	0.86	39   111	0.86
FN   TN	61   787	0.43	61   790	0.47	50   653	0.14	48   670	0.37	52   771	0.32	50   653	0.34	40   697	0.25	37   696	0.26
Specificity	0.98		0.98		0.81		0.83		0.96		0.81		0.86		0.86	
Precision	0.43		0.47		0.14		0.17		0.4		0.14		0.25		0.26	
Recall	0.2		0.2		0.34		0.37		0.32		0.34		0.47		0.51	

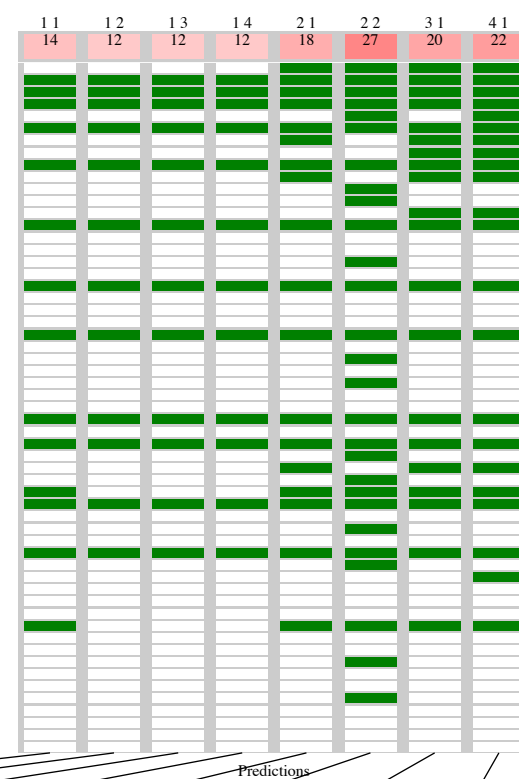
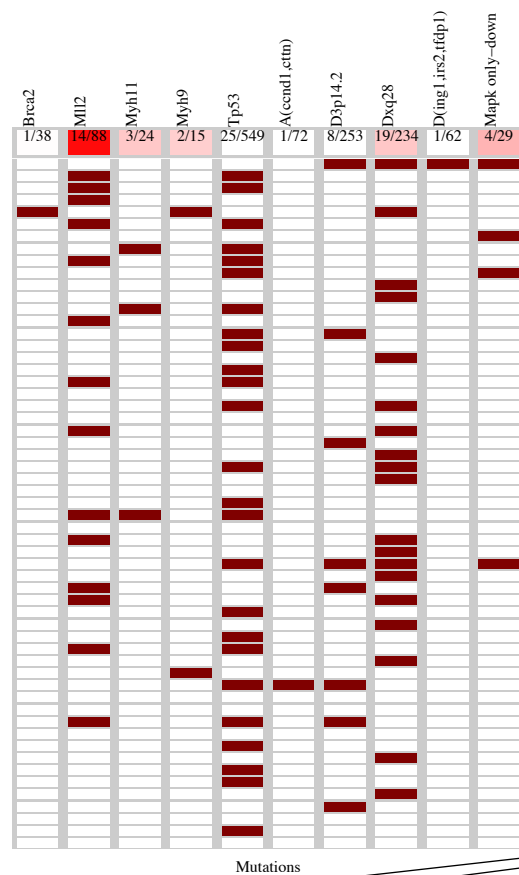
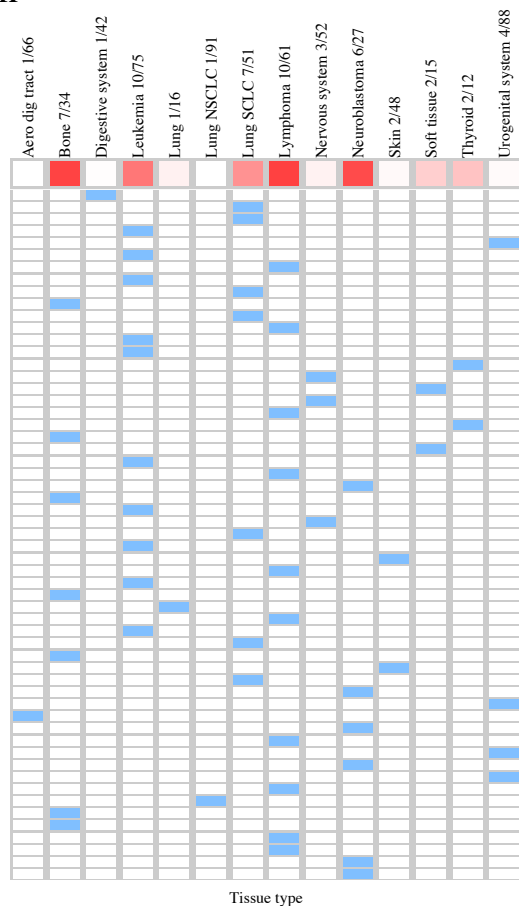


PANCAN  
 id: 1003 name: Camptothecin  
 target: TOP1 class: DNA replication

833 cell lines  
 57 sensitive



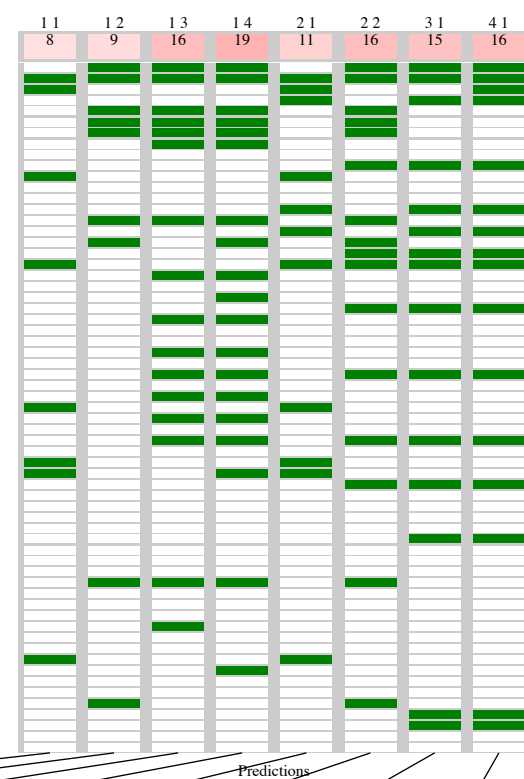
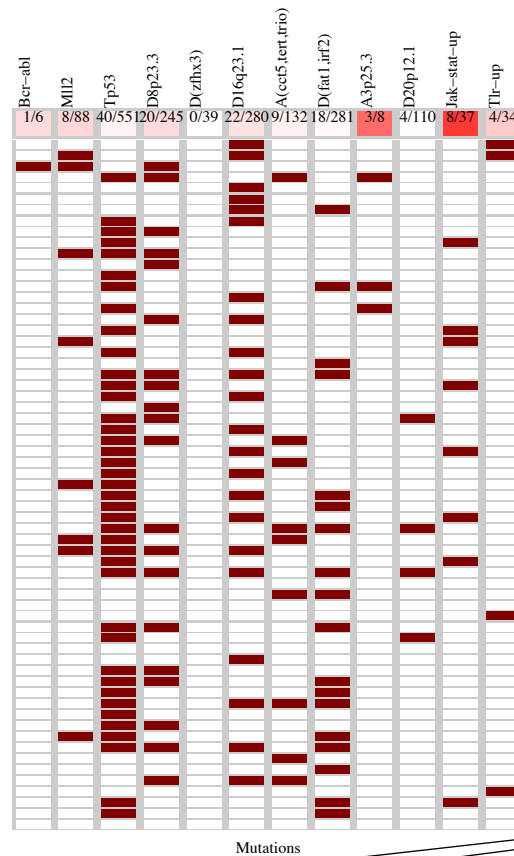
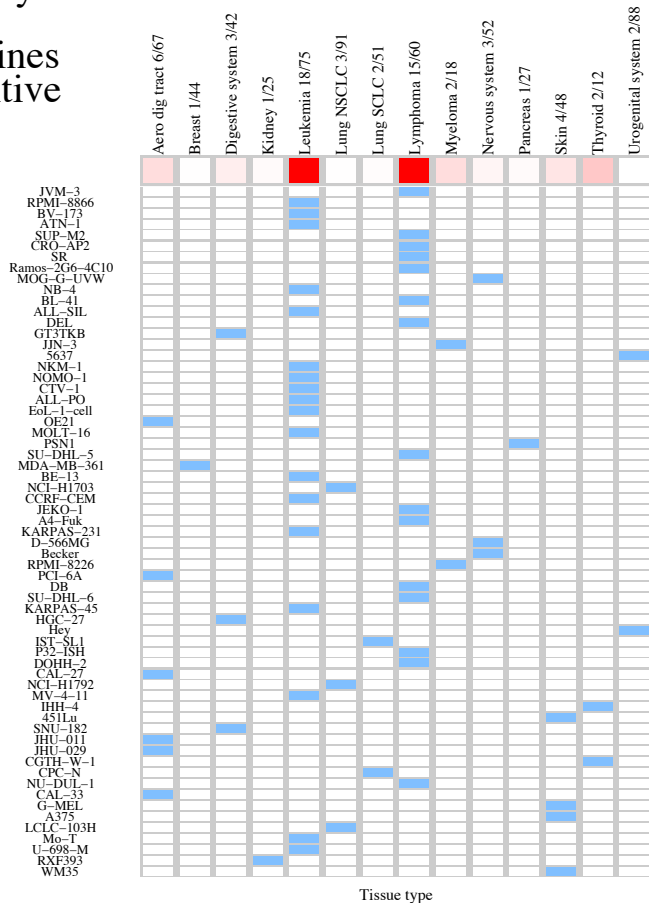
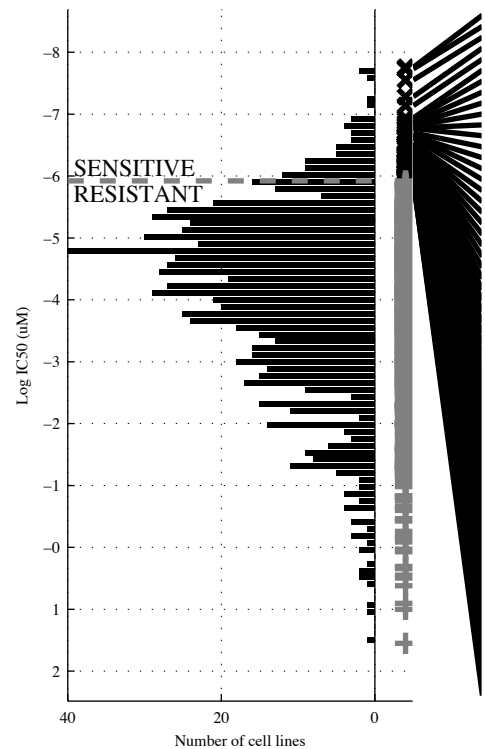
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 NCI-H209  
 CML-T1  
 NTERA-2 cl.D1  
 KARPAS-231  
 SU-DHL-5  
 CCRF-CEM  
 NCI-H1105  
 ES7  
 SBC-3  
 DOHH-2  
 MOLT-16  
 RPMI-8866  
 CAL-62  
 D-560MG  
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 MHH-NB-11  
 EW-16  
 ALL-SIL  
 H4  
 NCI-H1417  
 MOLT-4  
 A375  
 OCI-LY-19  
 MV-4-11  
 E58  
 H2795  
 IM1  
 SUP-B15  
 NCI-H526  
 CAL-72  
 COLO-800  
 NCI-H1048  
 GOTO  
 PA-1  
 HSC-4  
 NB69  
 JVM-3  
 639-V  
 NB10  
 BFTC-905  
 SR  
 EBC-1  
 ES5  
 ES4  
 CRO-AP2  
 JSC-1  
 NB14  
 SK-N-SH



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MLL2</b>	<b>MLL2 &amp; -d3p14.</b>	<b>-BRCA &amp; MLL2 &amp; -d3p14.</b>	<b>MLL2 &amp; a(CCNI &amp; -d3p14. &amp; -d(ING1</b>	<b>MLL2   MAPK o</b>	<b>[ -BRCA &amp; MLL2 ]   [ -TP53 &amp; dXq28 ]</b>	<b>MLL2   MYH11   MAPK o</b>	<b>MLL2   MYH11   MYH9   MAPK o</b>
TP   FP Specificity	14   74 0.9	12   42 0.95	12   35 0.95	12   31 0.96	18   96 0.88	27   135 0.83	20   103 0.87	22   107 0.86
FN   TN Precision	43   702 0.16	45   734 0.22	45   741 0.26	45   745 0.28	39   680 0.16	30   641 0.17	37   673 0.16	35   669 0.17
Recall	0.25	0.21	0.21	0.21	0.32	0.47	0.35	0.39

PANCAN  
 id: 1004 name: Vinblastine  
 target: Microtubules class: cytoskeleton

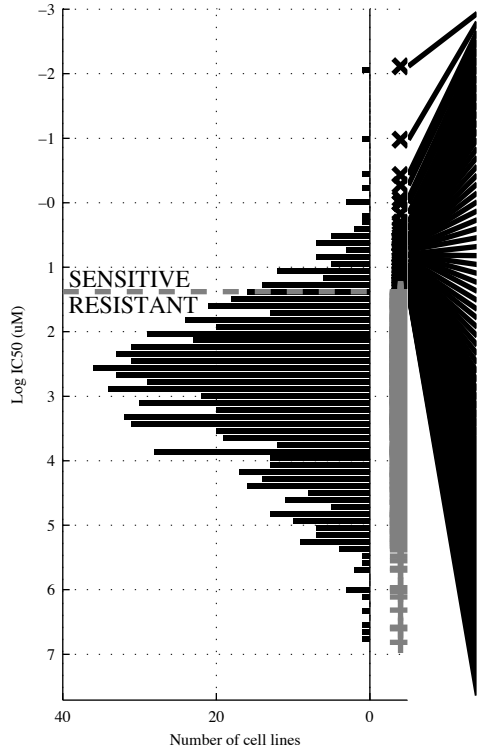
834 cell lines  
 63 sensitive



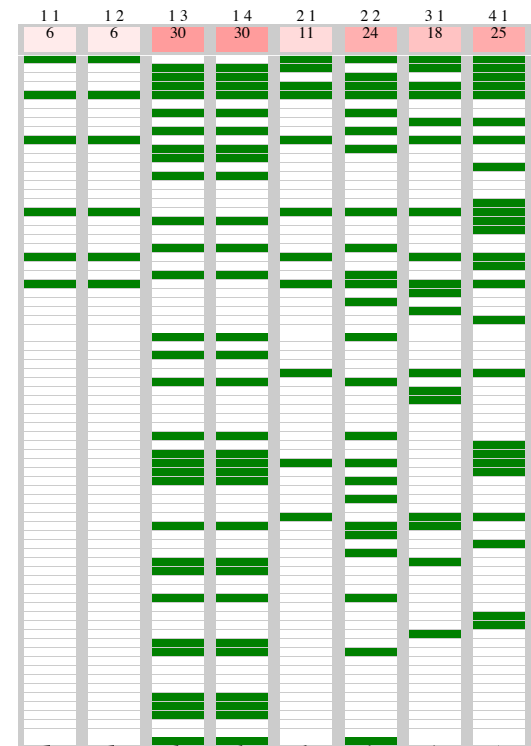
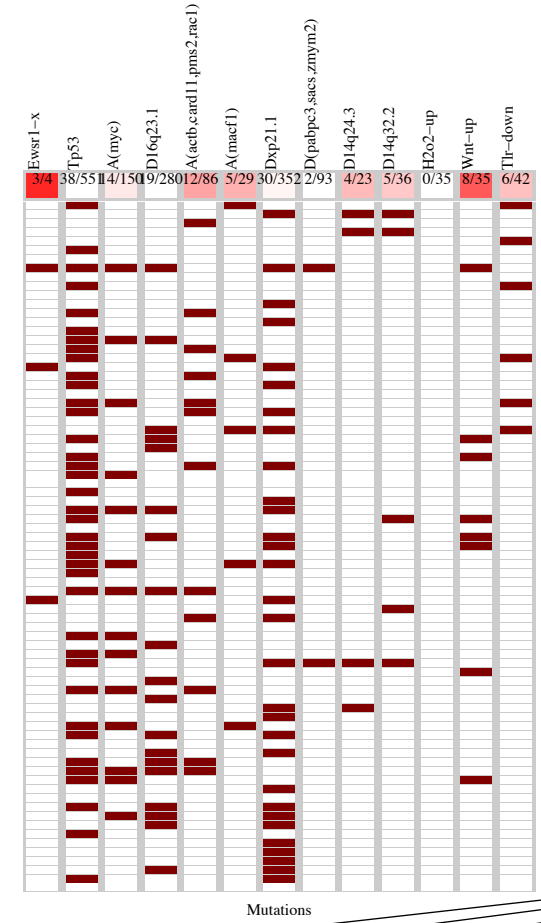
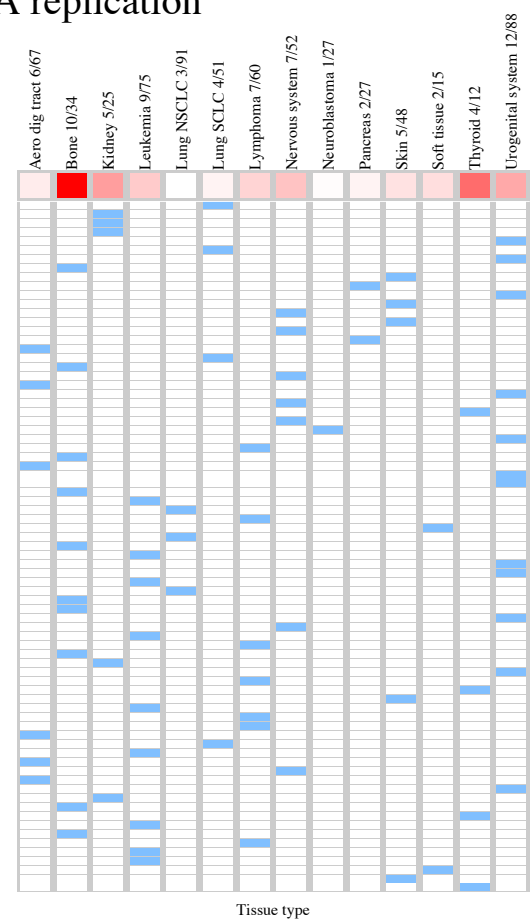
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MLL2</b>	<b>-TP53 &amp; d16q23</b>	<b>-d8p23.&amp;d16q23 &amp; -d20p12</b>	<b>-d(ZFX&amp;d16q23 &amp; -a(CCT&amp;-d20p12</b>	<b>MLL2   a3p25.</b>	<b>[ -d(FAT&amp;JAK-ST)   [ -TP53 &amp; d16q23 ]</b>	<b>a3p25.  JAK-ST  TLR-UP</b>	<b>BCR-ABI a3p25.   JAK-ST TLR-UP</b>
TP   FP Specificity	8   80 0.9	9   90 0.88	16   136 0.82	19   152 0.8	11   85 0.89	16   105 0.86	15   57 0.93	16   59 0.92
FN   TN Precision	55   691 0.091	54   681 0.091	47   635 0.11	44   619 0.11	52   686 0.11	47   666 0.13	48   714 0.21	47   712 0.21
Recall	0.13	0.14	0.25	0.3	0.17	0.25	0.24	0.25

PANCAN  
 id: 1005 name: Cisplatin  
 target: DNA crosslinker class: DNA replication

834 cell lines  
 77 sensitive



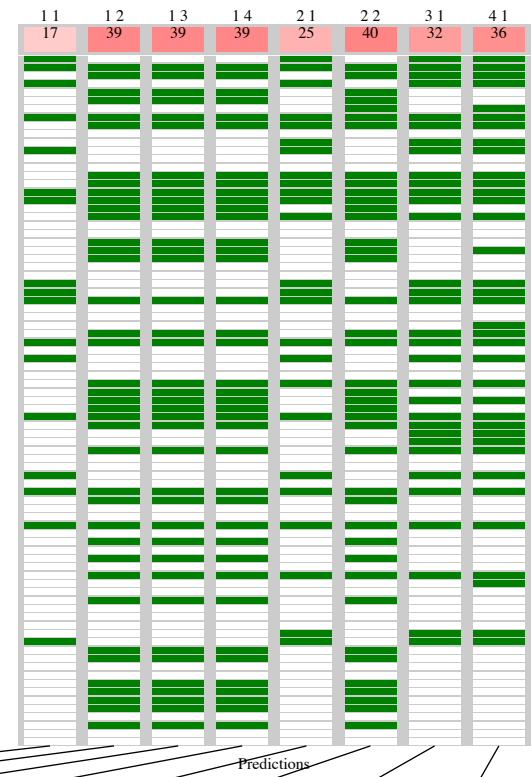
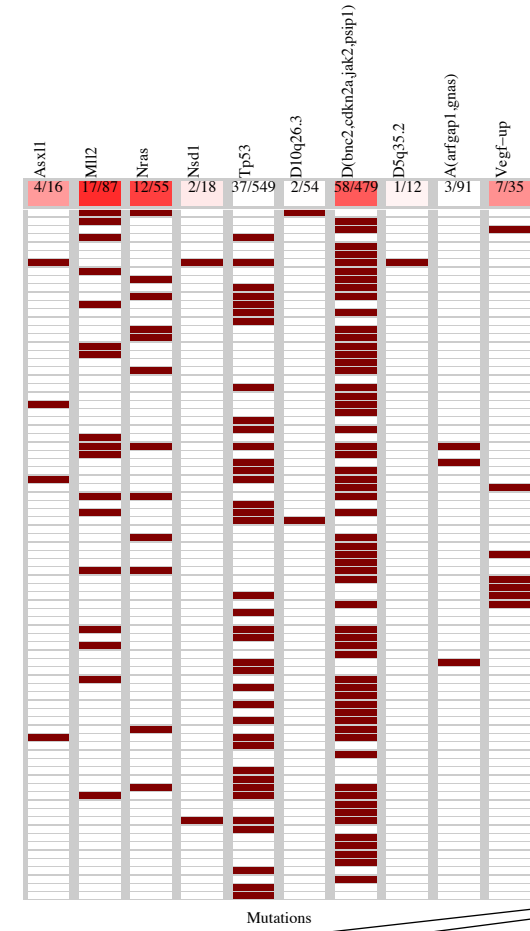
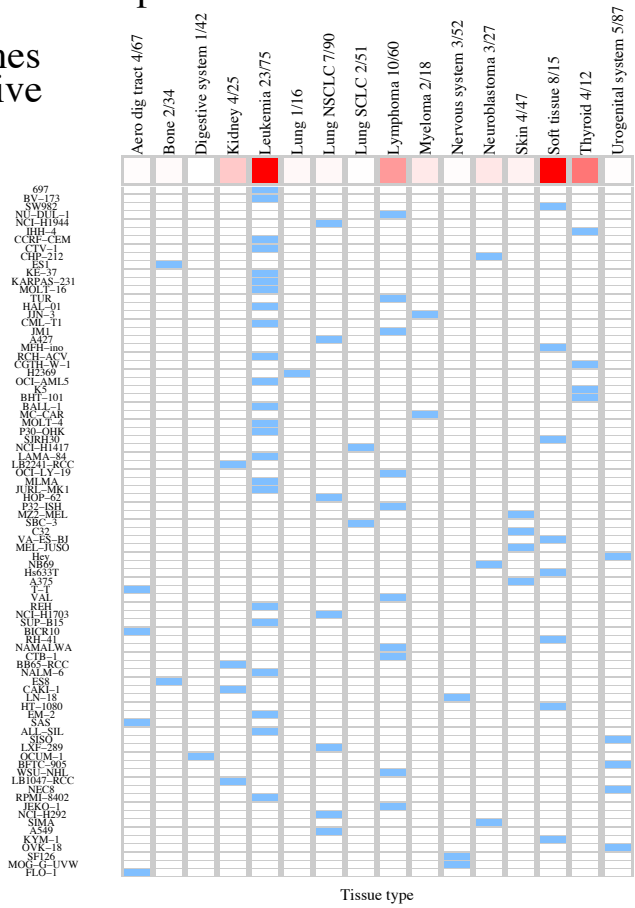
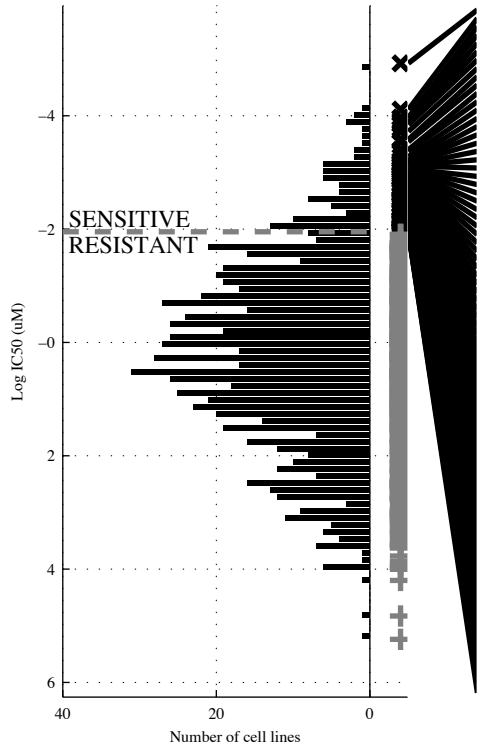
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- RCC-JW
- RCC-JF
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- NCI-H1876
- TOV-215
- SK-PN-DW
- A375
- MIA-PaCa-2
- ZR75.1
- MZ-MEL
- DIPG
- G-MEL
- SE268
- FSN1
- HSC-1
- NCL-H1417
- ES1
- MOG-G-1VW
- PG1-SA
- PA-1
- GP1
- CGTH-W-1
- GB-1
- GOTO
- 639-V
- CRO-AP2
- EW-22
- KYSE-140
- OV-56
- ME-180
- ES1
- OCL-AML2
- HCC-44
- NI-DU145
- VA-E3-BJ
- ABC-1
- HOP
- MOLT-4
- BFC-905
- ESS-1
- RHE-ACV
- HOP-92
- EW-3
- EW-7
- NEC8
- ONS-76
- NB-4
- JVM-3
- ES5
- BB65-RCC
- Cs-84
- SH-PTC
- BLP-1
- PC9
- 101D
- FAO-ORH
- OCL-LY-19
- YAMAMAWA
- JHU-029
- BC-3
- NLM-1
- PCI-4B
- D-560MG
- KYSE-510
- OVCA8-5
- OS-RC-2
- SK-ES-1
- BH-4
- 697
- EW-11
- DOHH-2
- MY-4-11
- BV-173
- KTM-1
- A2058
- K5



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
M																
Logic formula	<b>TLR-DO</b>		<b>-d(PABP1) &amp; TLR-DO</b>		<b>-TP53 &amp; a(MYC) &amp; -d16q23</b>		<b>-TP53 &amp; a(MYC) &amp; -d16q23 &amp; H2O2-U</b>		<b>d14q32   TLR-DO</b>		<b>[ -TP53 &amp; -dXp21.1 ]   [ a(MACR1) &amp; TLR-DO ]</b>		<b>d14q24   Wnt-UPI</b>		<b>EWSR1-l a(ACTB)   d14q32   TLR-DO</b>	
TP   FP	6   36	0.95	6   25	0.97	30   134	0.82	30   121	0.84	11   64	0.92	24   137	0.82	18   77	0.9	25   134	0.81
FN   TN	71   721	0.14	71   732	0.19	47   623	0.18	47   636	0.2	66   693	0.15	53   620	0.15	59   680	0.19	52   623	0.16
Specificity																
Precision																
Recall		0.078		0.078		0.39		0.39		0.14		0.31		0.23		0.37

PANCAN  
 id: 1006 name: Cytarabine  
 target: DNA synthesis class: DNA replication

830 cell lines  
 83 sensitive

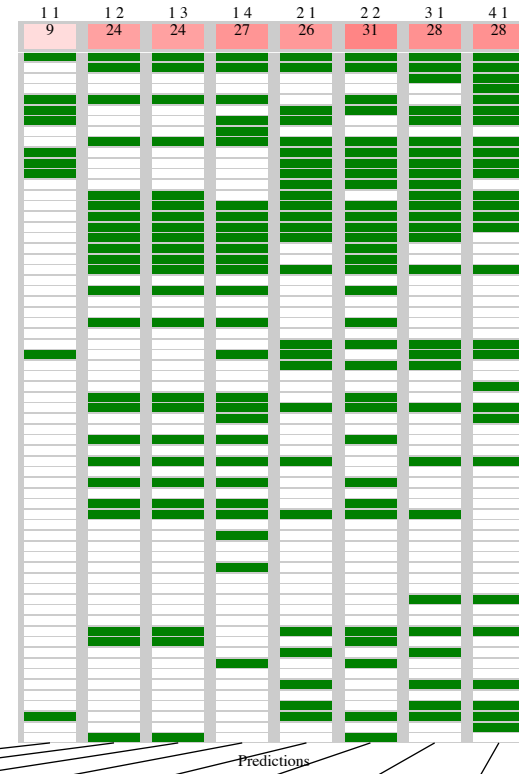
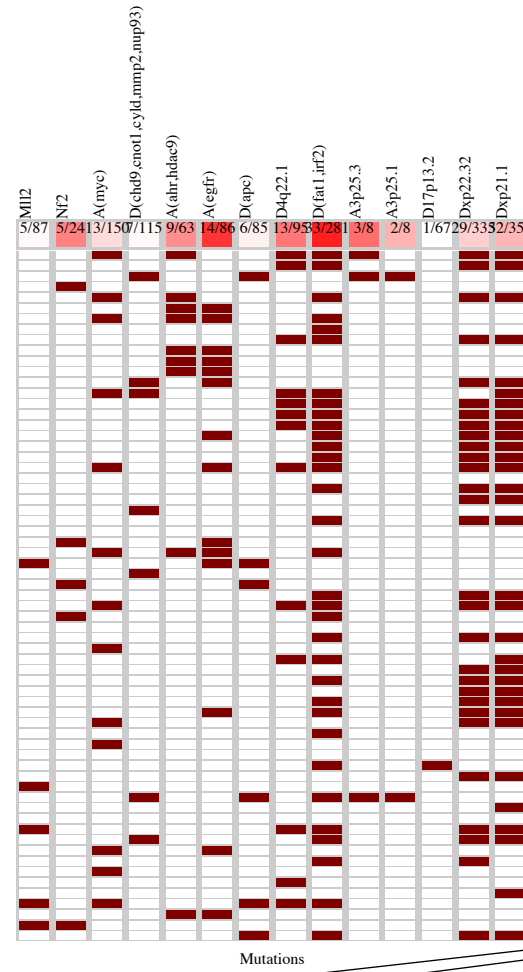
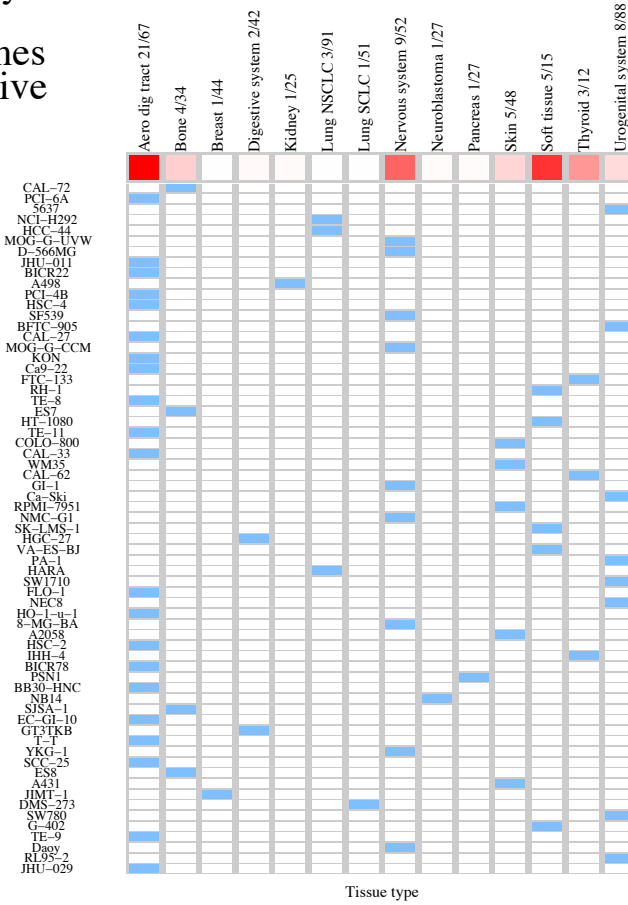
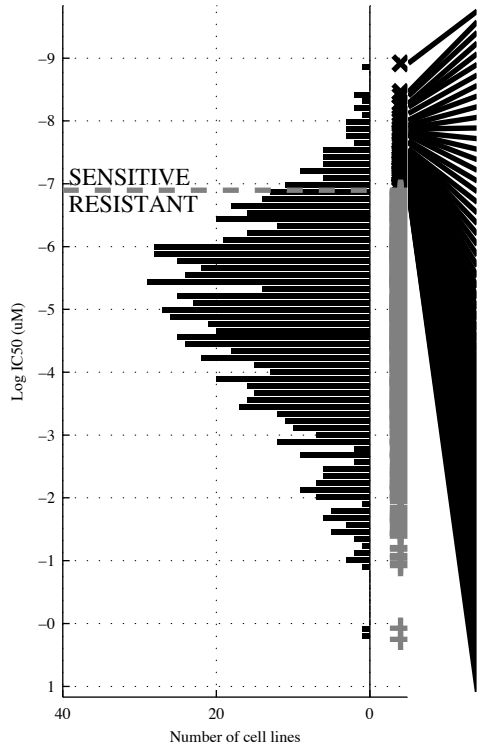


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MLL2</b>	<b>-TP53 &amp;d(BNC2)</b>	<b>-TP53 &amp;-d10q26&amp;d(BNC2)</b>	<b>-TP53 &amp;-d10q26&amp;d(BNC2&amp;a(ARFGAP1,GNAS))</b>	<b>MLL2   NRAS</b>	<b>[ -TP53 &amp;d(BNC2)   [ NSD1 &amp; d5q35. ] ]</b>	<b>MLL2   NRAS   VEGF-U</b>	<b>ASXL1   MLL2   NRAS   VEGF-U</b>
TP   FP Specificity	17   70 0.91	39   144 0.81	39   130 0.83	39   115 0.85	25   110 0.85	40   144 0.8	32   134 0.82	36   144 0.81
FN   TN Precision	66   677 0.2	44   603 0.21	44   617 0.23	44   632 0.25	58   637 0.19	43   603 0.22	51   613 0.19	47   603 0.2
Recall	0.2	0.47	0.47	0.47	0.3	0.5	0.39	0.43



PANCAN  
 id: 1007 name: Docetaxel  
 target: Microtubules class: cytoskeleton

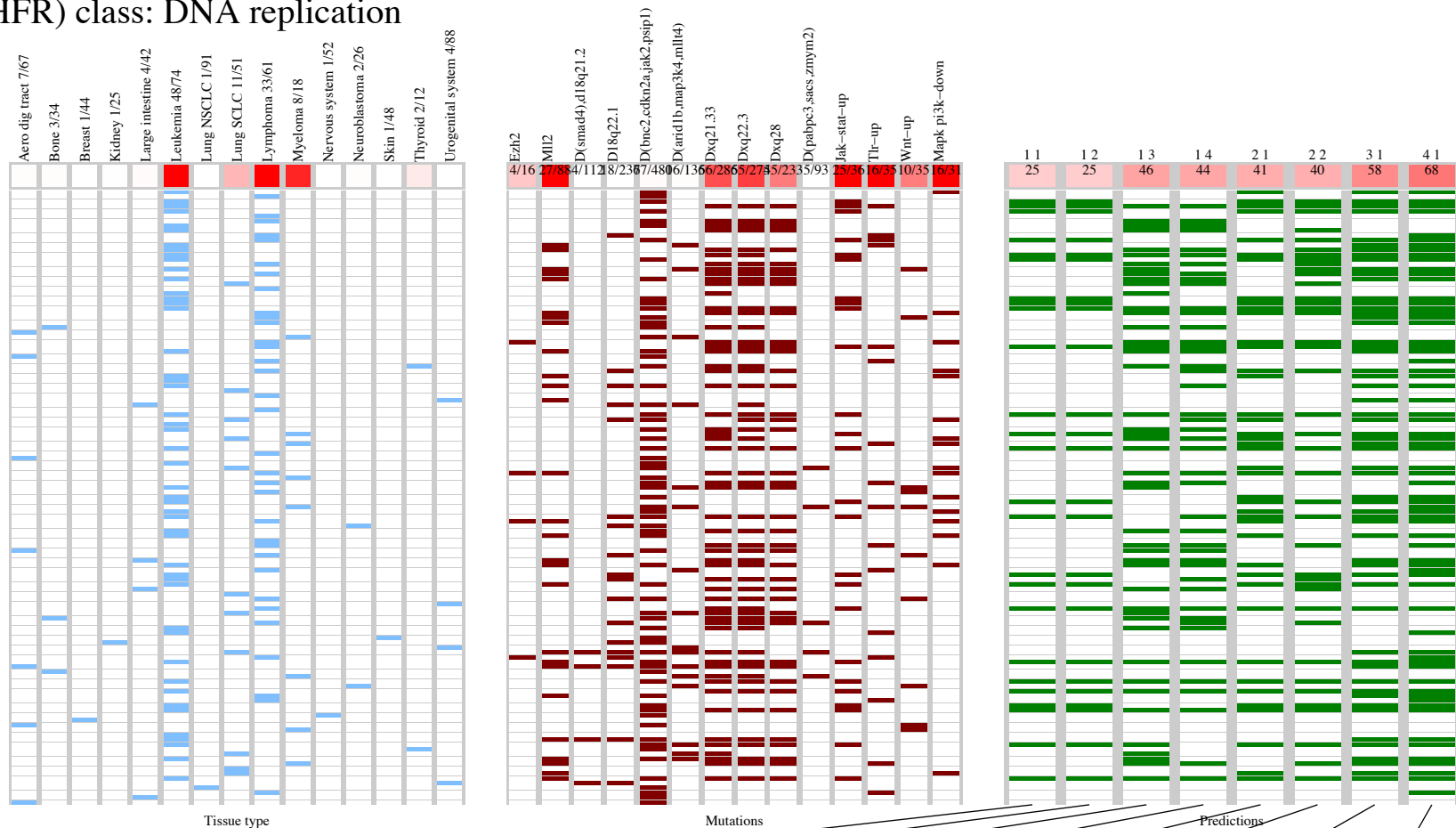
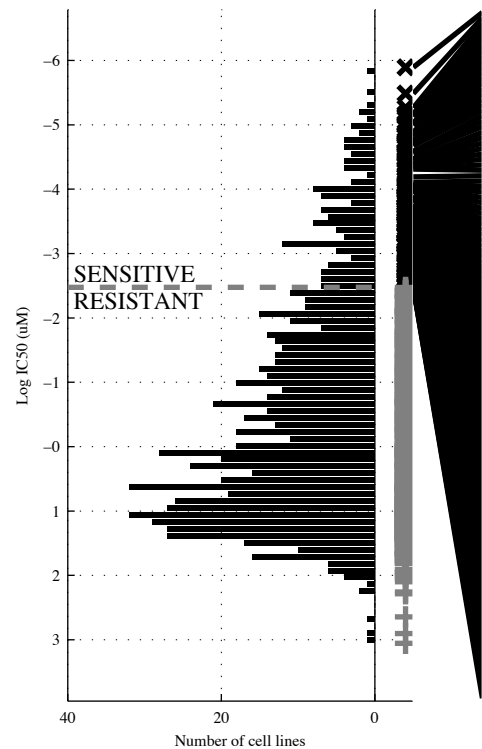
834 cell lines  
 65 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a(AHR,</b>	<b>d(FAT1&amp;dXp21.</b>	<b>d(FAT1&amp;-d17p13&amp;</b> <b>dXp21.</b>	<b>-MLL2&amp;d(CHD&amp;</b> <b>-d(APC&amp;d(FAT1</b>	<b>a(EGFR   d4q22.</b>	<b>[ d(FAT1&amp;dXp22. ]</b> <b> </b> <b>[-a(MYC&amp;a(EGFR]</b>	<b>a(EGFR   d4q22.  </b> <b>a3p25.</b>	<b>NF2   a(AHR,  </b> <b>d4q22.   a3p25.</b>
Specificity	9   54 0.93	24   121 0.84	24   101 0.87	27   152 0.8	26   146 0.81	31   153 0.82	28   150 0.8	28   153 0.8
Precision	9   56 0.14	24   41 0.17	101   41 0.19	152   38 0.15	146   39 0.15	153   34 0.17	150   37 0.16	153   37 0.15
Recall	54   715 0.14	121   648 0.37	101   668 0.37	152   617 0.42	146   623 0.4	153   616 0.44	150   619 0.43	153   616 0.43

PANCAN  
 id: 1008 name: Methotrexate  
 target: Dihydrofolate reductase (DHFR) class: DNA replication

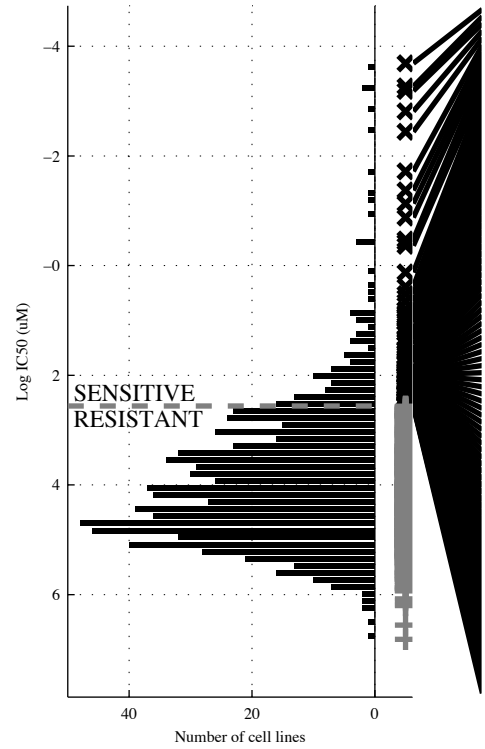
833 cell lines  
 127 sensitive



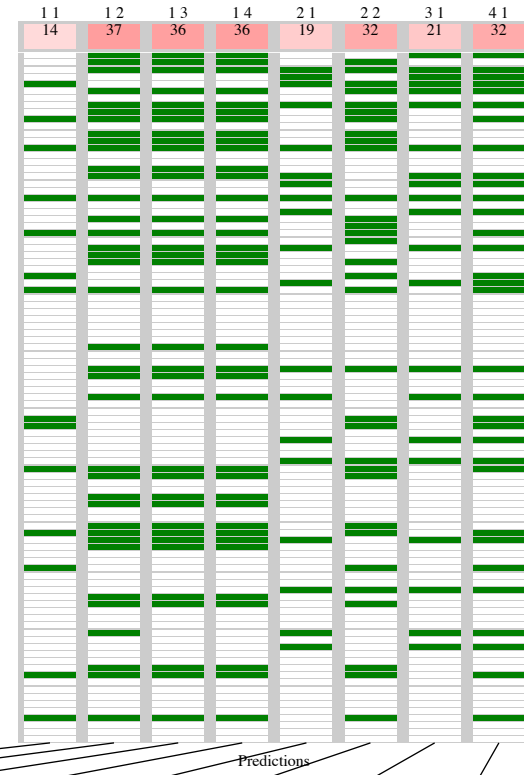
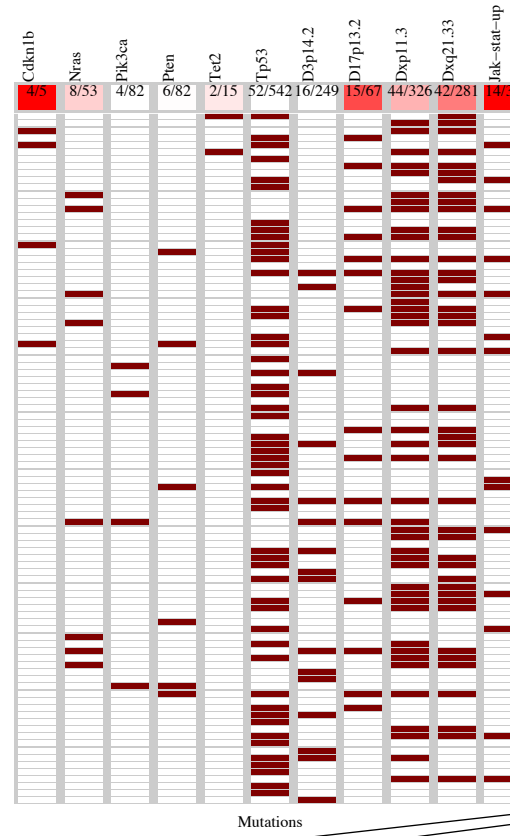
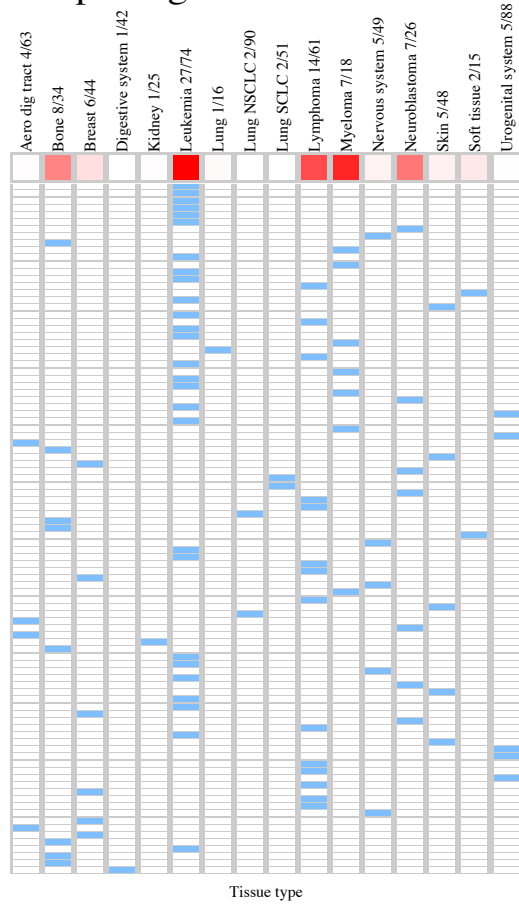
Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
M																
Logic formula	<b>JAK-ST</b>		<b>-EZH2&amp;JAK-ST</b>		<b>-d18q22&amp;dXq21.&amp;</b>		<b>-d(SMAI&amp;-d(ARIH&amp;</b>		<b>JAK-STIMAPK P</b>		<b>[ -d(BNC&amp; dXq28 ]</b>		<b>MLL2  JAK-ST </b>		<b>MLL2  JAK-ST </b>	
					<b>-d(PABP</b>		<b>dXq22.&amp;Wnt-UP</b>				<b>[ -EZH2&amp;JAK-ST]</b>		<b>MAPK P</b>		<b>TLR-UPIMAPK P</b>	
TP   FP	25   11	0.98	25   8	0.99	46   114	0.84	44   129	0.89	41   25	0.96	40   73	0.9	58   84	0.88	68   98	0.86
FN   TN	102   695	0.69	102   698	0.76	81   592	0.29	83   577	0.29	86   681	0.62	87   633	0.35	69   622	0.41	59   608	0.41
Specificity																
Precision																
Recall		0.2		0.2		0.36		0.29		0.32		0.31		0.46		0.54

PANCAN  
 id: 1009 name: ATRA  
 target: Retinoic acid and retinoid X receptor agonist class: other

824 cell lines  
 97 sensitive



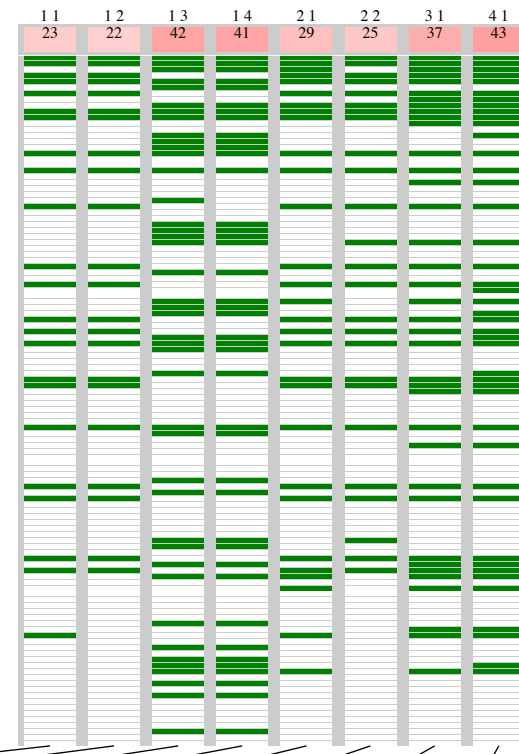
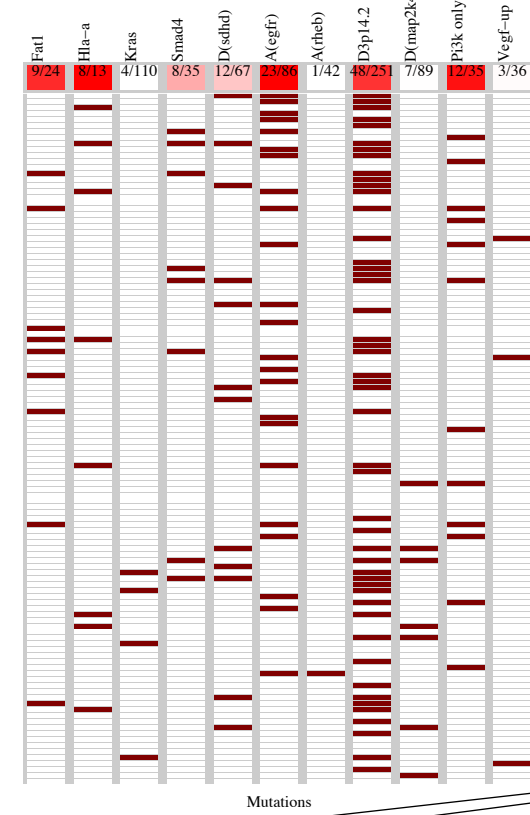
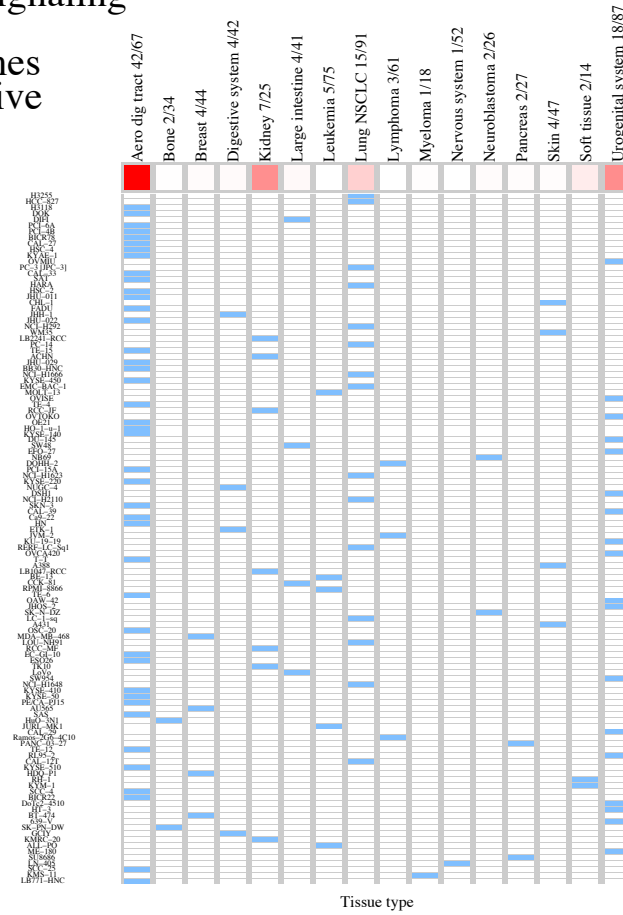
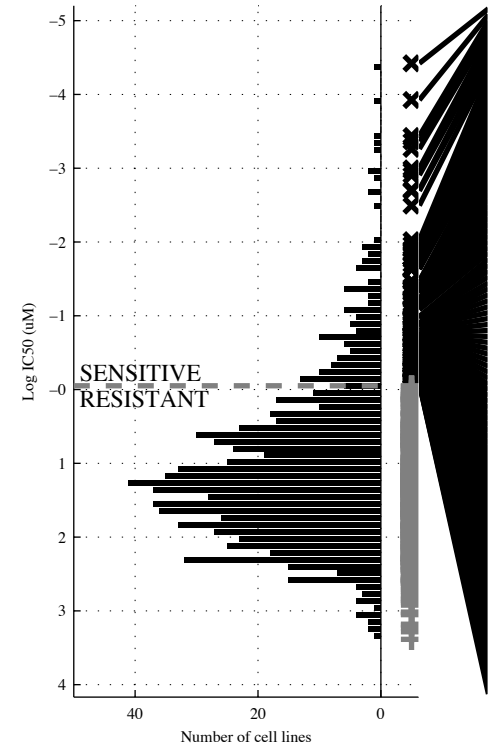
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Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	JAK-ST	<b>-d3p14.&amp;dXq21.</b>	<b>-PTEN&amp;-d3p14.&amp;dXq21.</b>	<b>-PIK3CA&amp;-PTEN&amp;-d3p14.&amp;dXq21.</b>	<b>CDKN1B  d17p13</b>	[ <b>-TP53 &amp; dXp11.</b> ]   [ <b>-NRAS&amp;JAK-ST</b> ]	<b>CDKN1B  TET2   d17p13</b>	<b>CDKN1B  TET2   d17p13   JAK-ST</b>
TP   FP	14   22	37   143	36   128	36   117	19   53	32   99	21   66	32   84
FN   TN	83   705	60   584	61   599	61   610	78   674	65   628	76   661	65   643
Specificity	0.97	0.8	0.82	0.84	0.93	0.86	0.91	0.88
Precision	0.39	0.21	0.22	0.24	0.26	0.24	0.24	0.28
Recall	0.14	0.38	0.37	0.37	0.2	0.32	0.22	0.33

PANCAN  
 id: 1010 name: Gefitinib  
 target: EGFR class: EGFR signaling

830 cell lines  
 116 sensitive

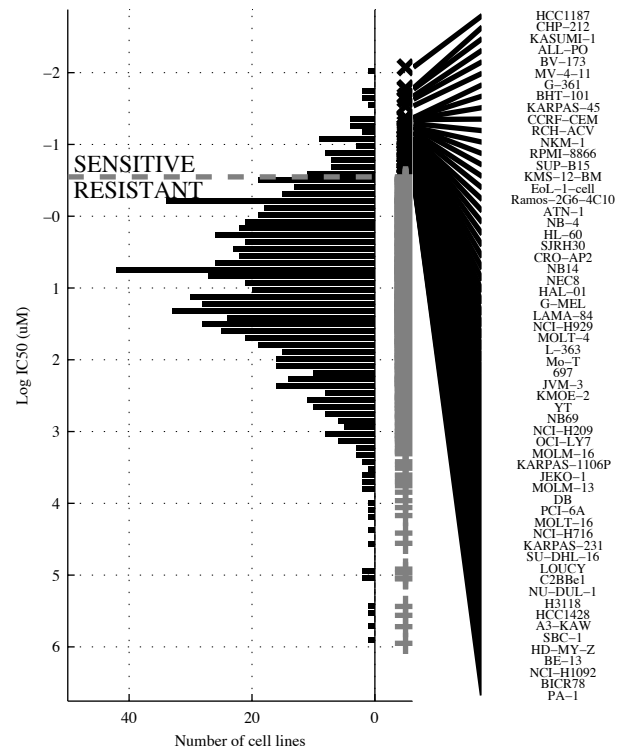


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a(EGFR)</b>	<b>a(EGFR) &amp; a(RHEB)</b>	<b>-KRAS &amp; d3p14. &amp; -d(MAP2)</b>	<b>-KRAS &amp; d3p14. &amp; -d(MAP2 &amp; VEGF-U)</b>	<b>HLA-A   a(EGFR)</b>	<b>[ a(EGFR) &amp; a(RHEB)   [ SMAD4 &amp; d(SDHD) ]</b>	<b>HLA-A   a(EGFR)   PI3K o</b>	<b>FAT1   HLA-A   a(EGFR)   PI3K o</b>
TP   FP	23   63	22   36	42   123	41   117	29   68	25   36	37   88	43   100
Specificity	0.91	0.95	0.88	0.86	0.9	0.89	0.88	0.86
FN   TN	93   651	94   678	74   591	75   597	87   646	91   678	79   626	73   614
Precision	0.27	0.38	0.33	0.3	0.3	0.34	0.3	0.3
Recall	0.2	0.19	0.29	0.32	0.25	0.27	0.32	0.37

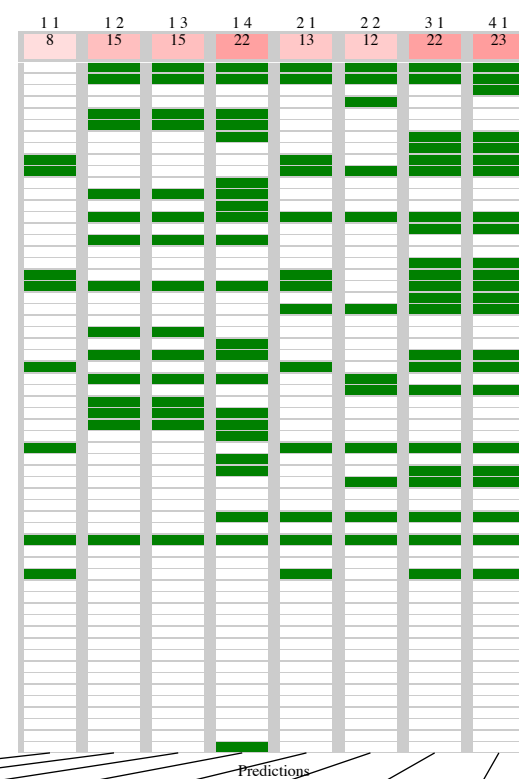
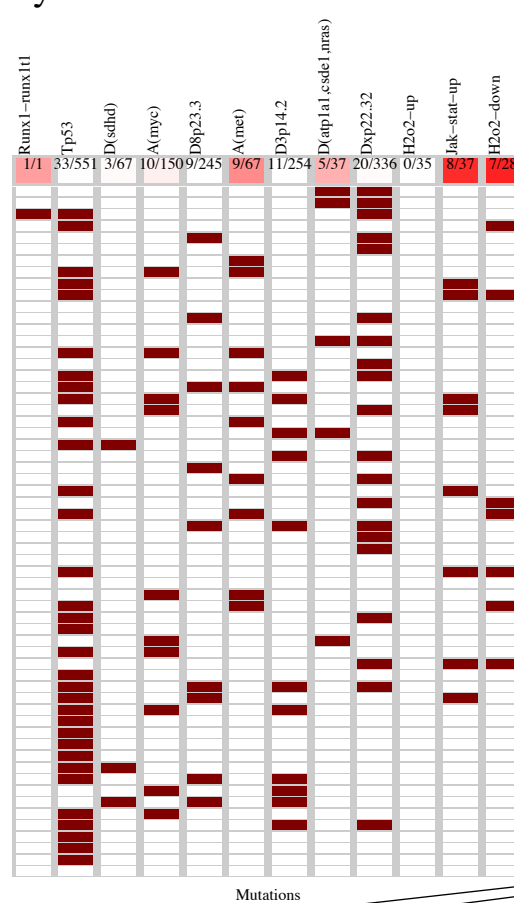
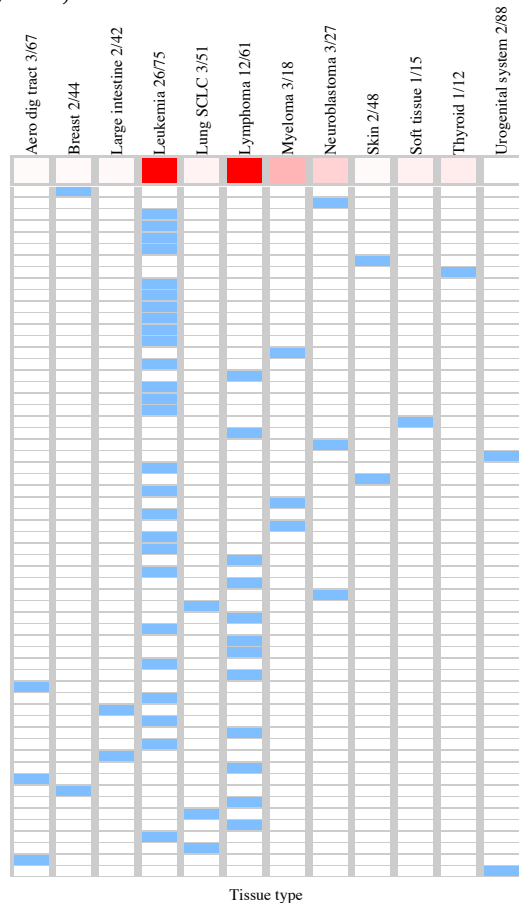


PANCAN  
 id: 1012 name: Vorinostat  
 target: HDAC inhibitor Class I, IIa, IIb, IV class: chromatin histone acetylation

835 cell lines  
 60 sensitive



- HCC1187
- CHP-212
- KASUMI-1
- ALL-PO
- BV-173
- MV-4-11
- G-361
- BHT-101
- KARPAS-45
- CCRF-CEM
- RCH-ACV
- NKM-1
- RPMI-8866
- SUE-815
- KMS-12-BM
- EoL-1-cell
- Ramos-2G6-4IC10
- ATN-1
- NB-4
- HL-60
- SIRH30
- CRO-AP2
- NB14
- NEC8
- HAL-01
- G-MEL
- LAMA-84
- NCI-H929
- MOL-1-4
- L-363
- Mo-T
- 697
- JVM-3
- KMOE-2
- YT
- NB69
- NCI-H209
- OCl-LY7
- MOLM-16
- KARPAS-1106P
- JEKO-1
- MOLM-13
- DB
- PCI-6A
- MOLT-16
- NCI-H716
- KARPAS-231
- SU-DHL-16
- LOUCY
- C2BBe1
- NU-DUL-1
- H3118
- HCC1428
- A3-KAW
- SBC-1
- HD-MY-Z
- BE-13
- NCI-H1092
- BICR78
- PA-1

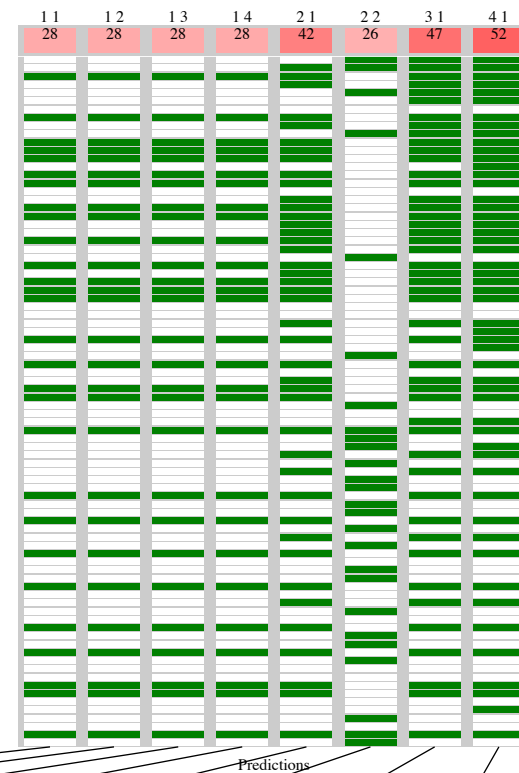
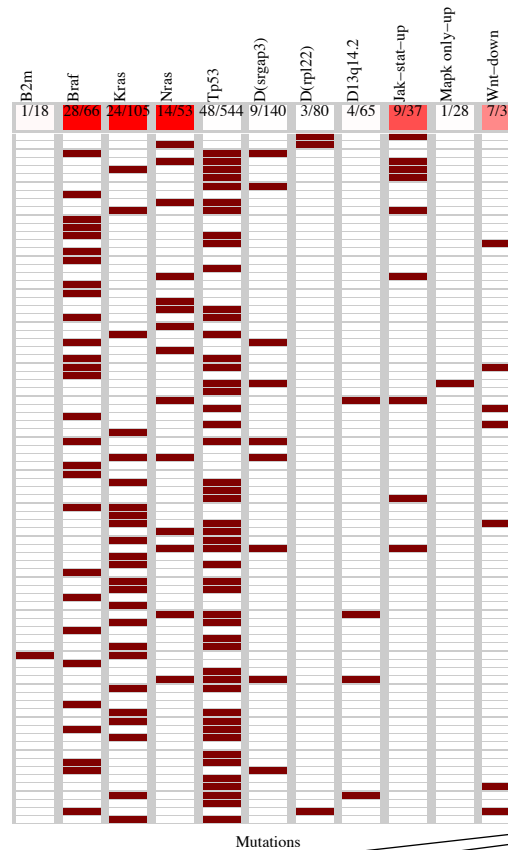
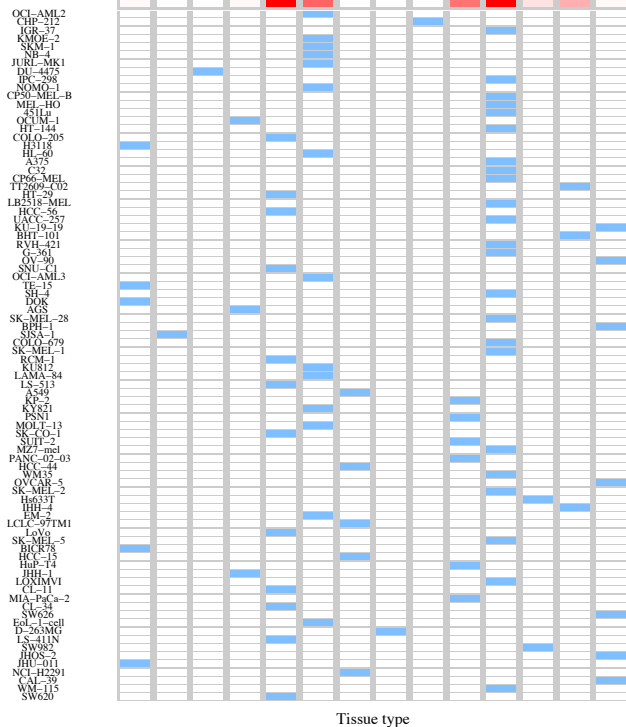
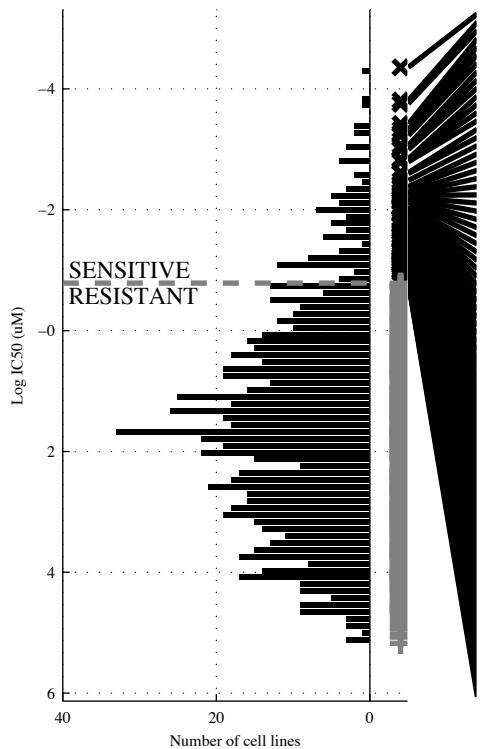


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>JAK-ST</b>	<b>-TP53 &amp; dXp22.</b>	<b>-TP53 &amp; d(SDHI&amp; dXp22.</b>	<b>-TP53 &amp; d(SDHI&amp; -d3p14.&amp; H2O2-U</b>	<b>d(ATP1   JAK-ST</b>	<b>[ -d8p23.&amp; d(ATP1   -a(MYC&amp; H2O2-D)]</b>	<b>a(MET)   d(ATP1   JAK-ST</b>	<b>RUNX1-  a(MET)   d(ATP1   JAK-ST</b>
TP   FP	8   29	15   100	15   76	22   154	13   61	12   28	22   117	23   117
Specificity	0.96	0.87	0.9	0.8	0.92	0.96	0.85	0.85
FN   TN	52   746	45   675	45   699	38   621	47   714	48   747	38   658	37   658
Precision	0.22	0.13	0.16	0.13	0.18	0.3	0.16	0.16
Recall	0.13	0.25	0.25	0.37	0.22	0.2	0.37	0.38



PANCAN  
 id: 1014 name: RDEA119  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

827 cell lines  
 84 sensitive



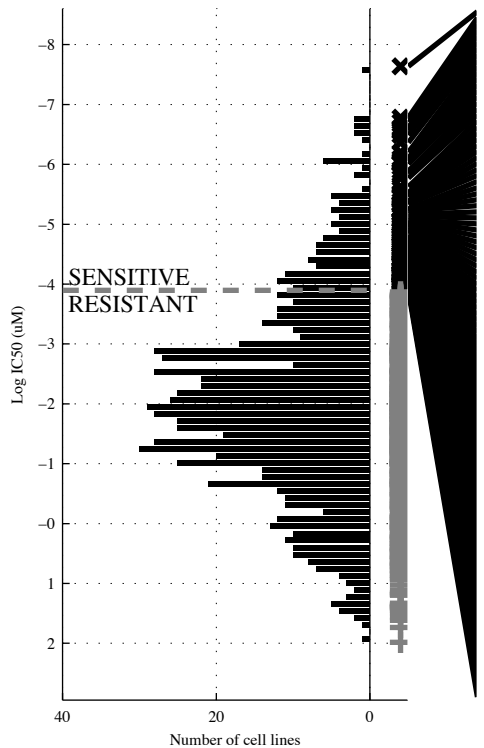
Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1			
K	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1		
M																		
Logic formula	<b>BRAF</b>		<b>BRAF &amp; ~d13q14</b>		<b>BRAF &amp; ~d13q14 &amp; ~MAPK o</b>		<b>~B2M &amp; BRAF &amp; ~d13q14 &amp; MAPK o</b>		<b>BRAF   NRAS</b>		<b>[ ~TP53 &amp; d(RPL2)   [ KRAS &amp; d(SRGA) ]</b>		<b>BRAF   NRAS   JAK-ST</b>		<b>BRAF   NRAS   JAK-ST   Wnt-DO</b>			
TP   FP	28   38	28   34	28   30	28   27	42   77	26   102	47   100	52   122	28   28	28   28	42   26	47   37	52   32	28   28	28   28	42   26	47   37	52   32
Specificity	0.95	0.95	0.96	0.96	0.9	0.9	0.87	0.84	0.9	0.9	0.9	0.87	0.84	0.9	0.9	0.9	0.9	0.9
Precision	0.42	0.45	0.48	0.51	0.35	0.35	0.32	0.3	0.35	0.35	0.35	0.32	0.3	0.35	0.35	0.35	0.35	0.35
Recall	0.33	0.33	0.33	0.33	0.5	0.43	0.56	0.62	0.5	0.43	0.43	0.56	0.62	0.43	0.43	0.43	0.43	0.43



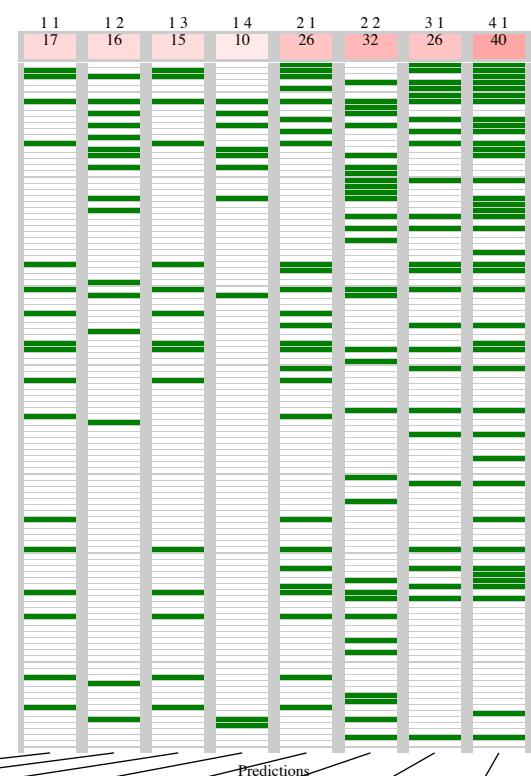
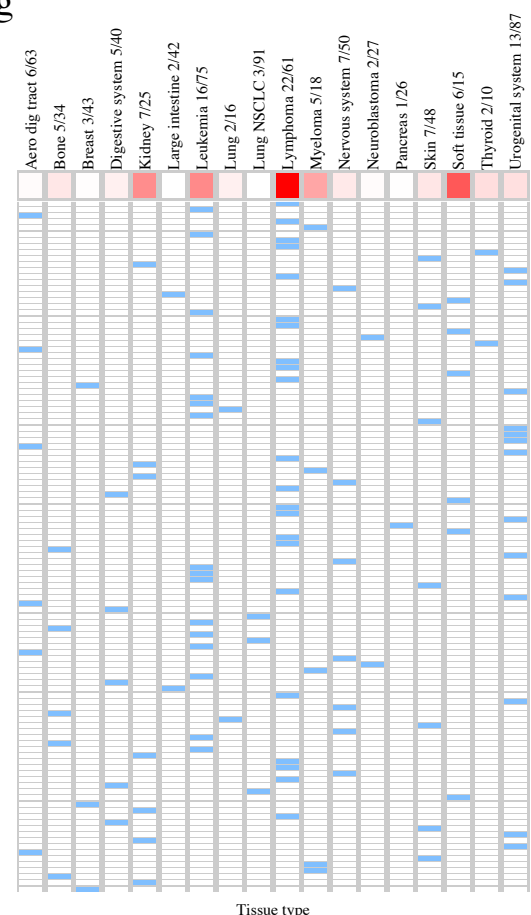


PANCAN  
id: 1016 name: Temsirolimus  
target: MTOR class: TOR signaling

822 cell lines  
114 sensitive



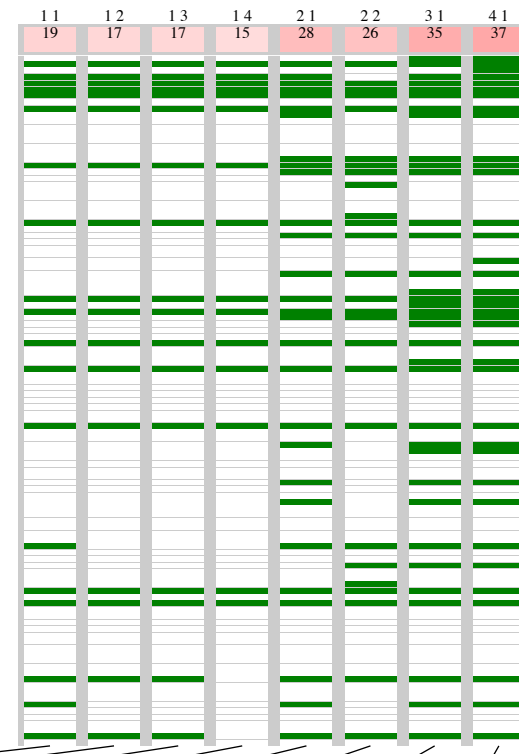
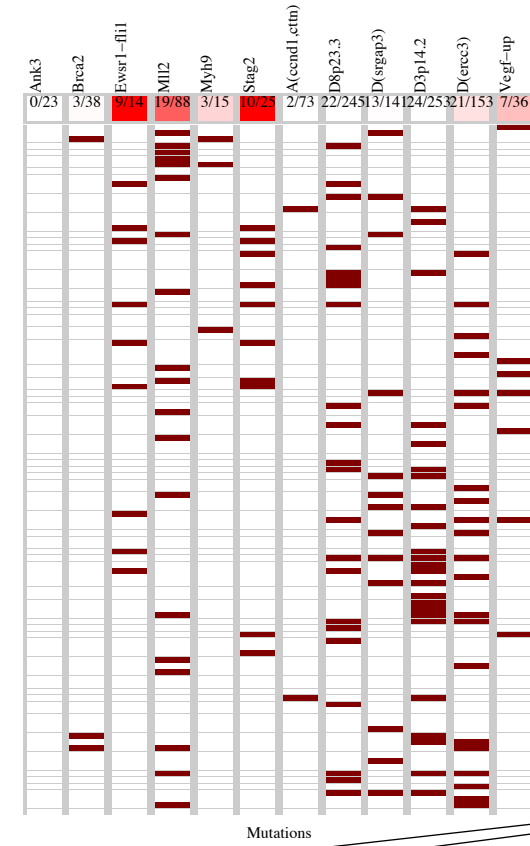
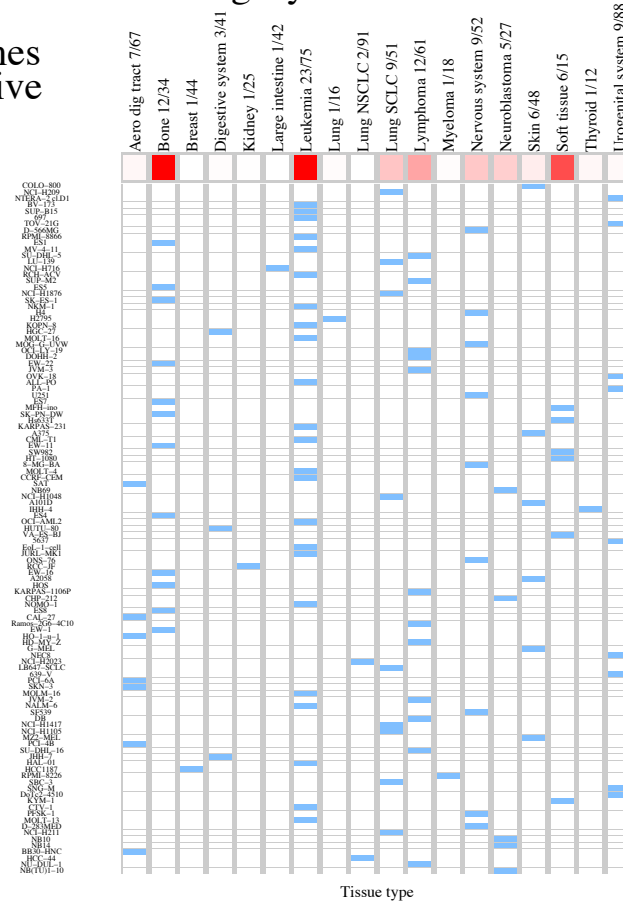
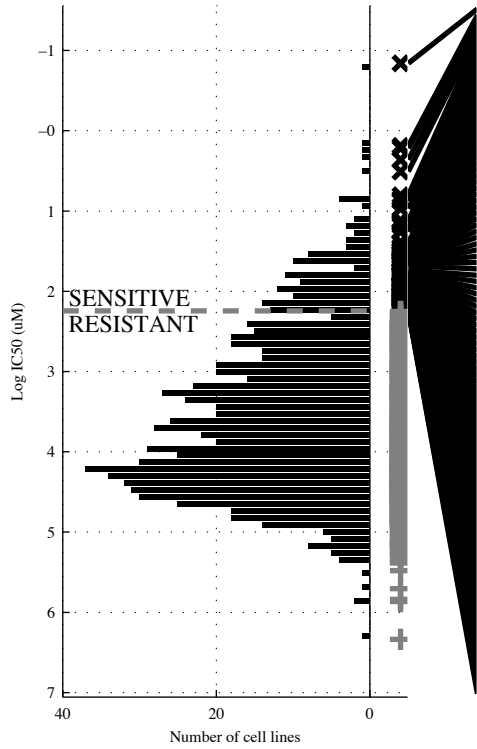
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Model name	11	12	13	14	21	22	31	41
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>PTEN</b>	<b>a3q26. &amp; -dXp11.</b>	<b>PTEN &amp; -RB1 &amp; -d18q22</b>	<b>-TP53 &amp; a3q26. &amp; -a(MEC) &amp; -a(PIP5</b>	<b>PTEN   d6q23.</b>	<b>[ -TP53 &amp; -dXp21.]   [ TP53 &amp; MAPK o ]</b>	<b>MYH11   d6q23.   MAPK o</b>	<b>MYH11   a(ACTB)   d6q23.   MAPK o</b>
TP   FP	17   65	16   83	15   37	10   14	26   94	32   140	26   67	40   135
FN   TN	97   643	98   625	99   671	104   694	88   614	82   568	88   641	74   573
Specificity	0.91	0.88	0.94	0.95	0.87	0.87	0.91	0.81
Precision	0.21	0.16	0.26	0.31	0.22	0.3	0.28	0.23
Recall	0.15	0.14	0.11	0.11	0.23	0.21	0.23	0.35

PANCAN  
 id: 1017 name: Olaparib  
 target: PARP1, PARP2 class: Genome integrity

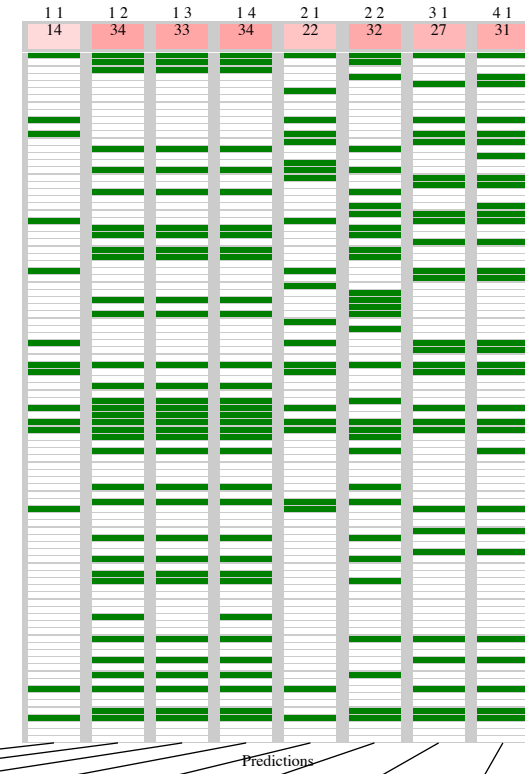
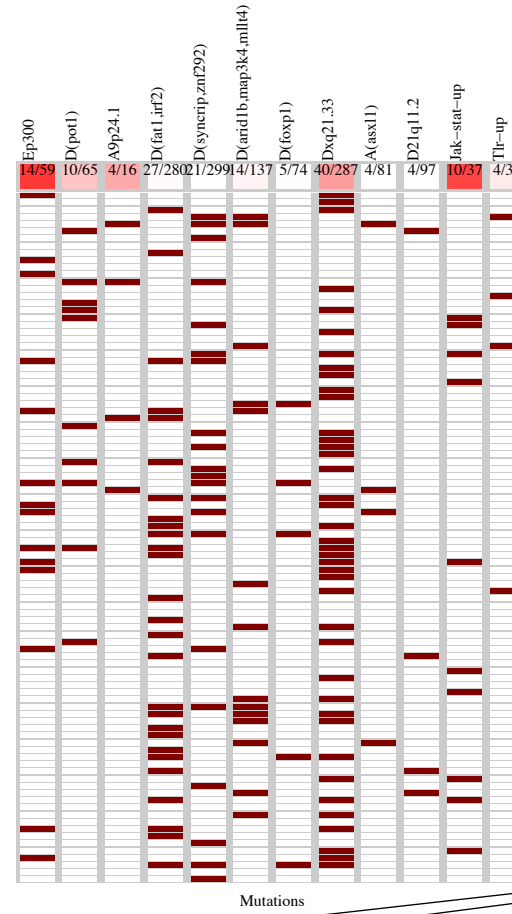
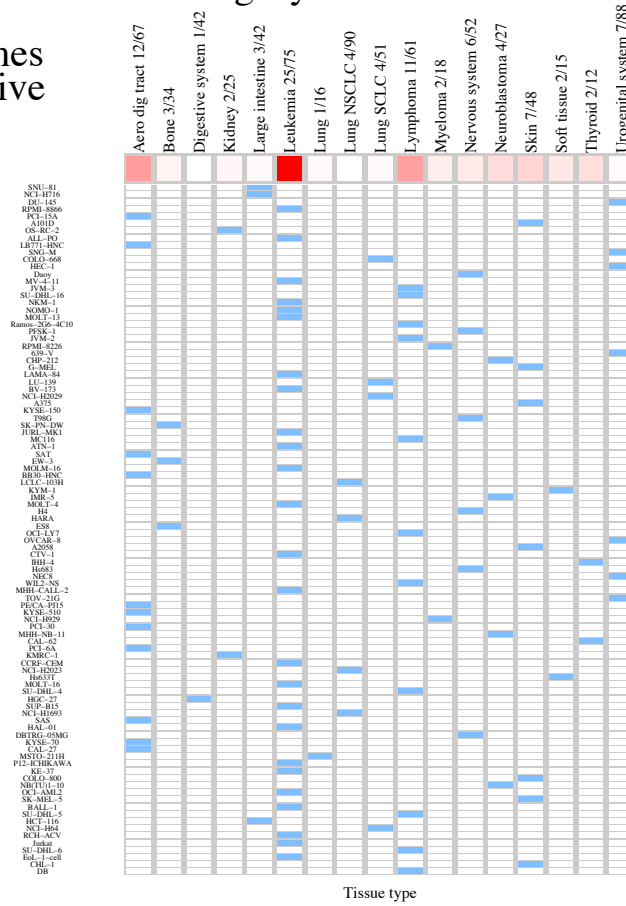
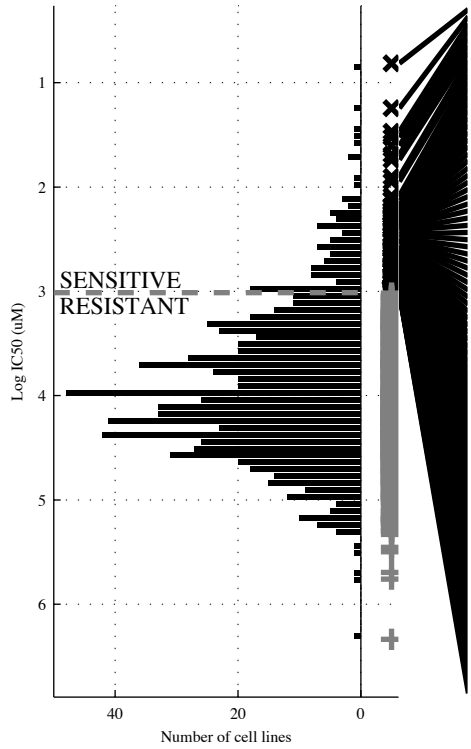
834 cell lines  
 109 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MLL2</b>	<b>MLL2 &amp; ~d3p14.</b>	<b>MLL2 &amp; a(CCNI&amp;</b> <b>~d3p14.</b>	<b>~ANK3&amp;~BRCA&amp;</b> <b>MLL2 &amp; d(ERCC</b>	<b>EWSR1-  MLL2</b>	<b>[ MLL2 &amp; ~d8p23.]</b> <b> </b> <b>[ STAG2&amp;d(SRGA]</b>	<b>EWSR1-  MLL2  </b> <b>VEGF-U</b>	<b>EWSR1-  MLL2  </b> <b>MYH9  VEGF-U</b>
TP   FP	19   69	17   37	17   31	15   39	28   74	26   61	35   101	37   107
FN   TN	90   656	92   688	92   694	94   686	81   651	83   664	74   624	72   618
Specificity	0.9	0.95	0.96	0.84	0.9	0.93	0.86	0.85
Precision	0.22	0.31	0.35	0.22	0.27	0.32	0.26	0.26
Recall	0.17	0.16	0.16	0.29	0.26	0.2	0.32	0.34

PANCAN  
 id: 1018 name: ABT-888  
 target: PARP1, PARP2 class: Genome integrity

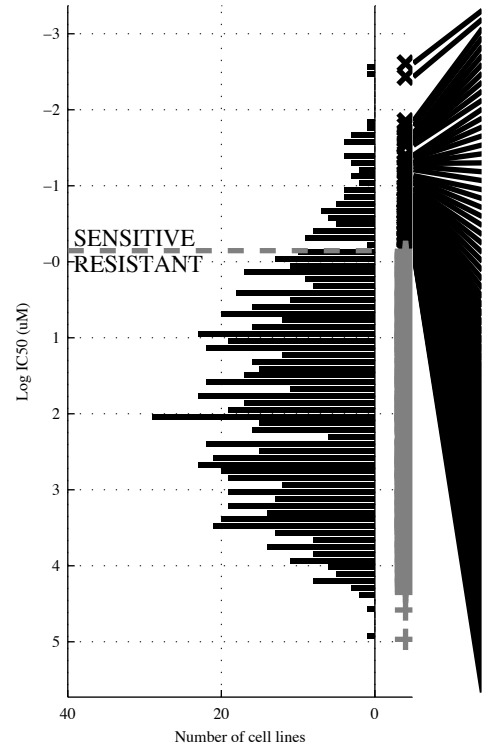
834 cell lines  
 96 sensitive



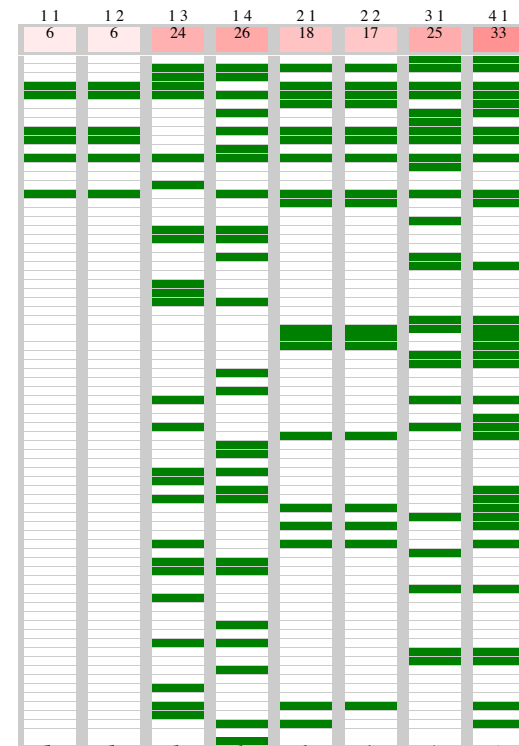
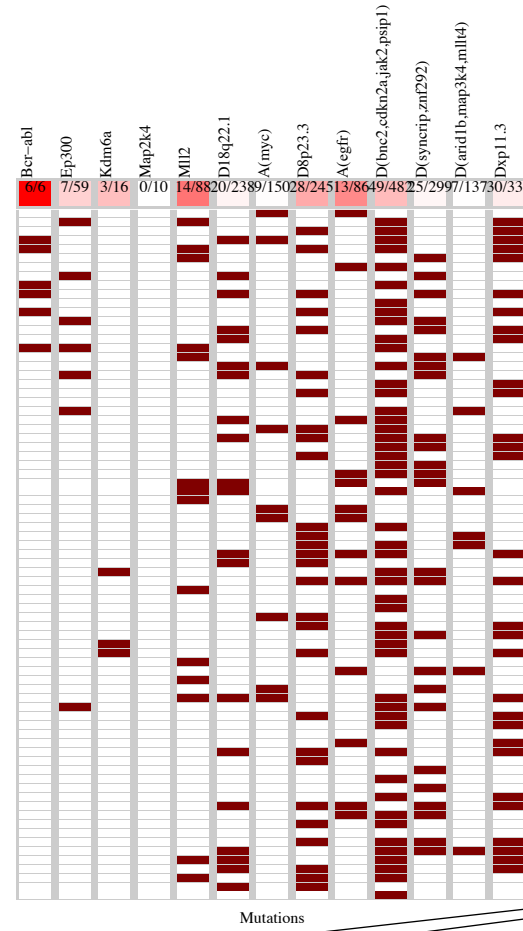
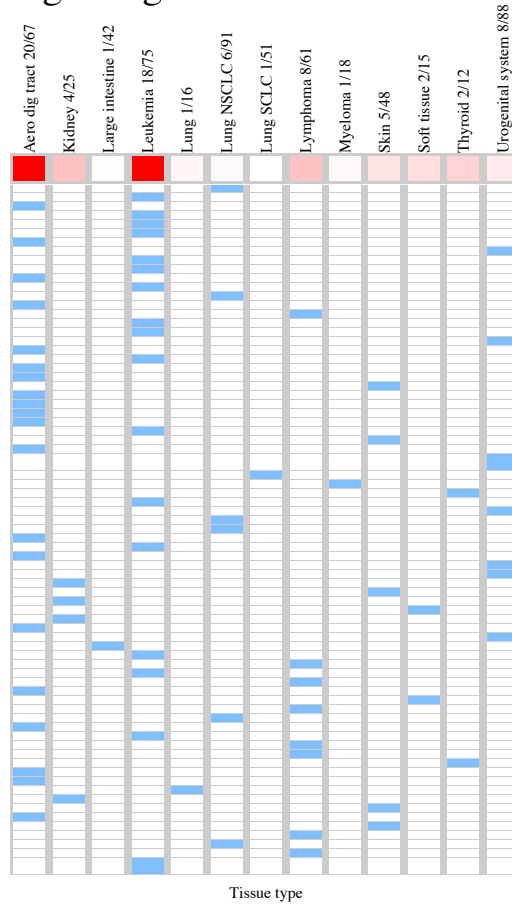
Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
M																
Logic formula	<b>EP300</b>		<b>-d(SYNG&amp;dXq21.</b>		<b>-d(SYNG&amp;d(FOXK&amp;</b>		<b>-d(SYNG&amp;dXq21.&amp;</b>		<b>EP300   d(POT1</b>		<b>[ d(ARID&amp;TLR-UP]</b>		<b>EP300   a9p24.  </b>		<b>EP300   a9p24.  </b>	
							<b>-a(ASXI&amp;-d21q11</b>				<b> </b>		<b>JAK-ST</b>		<b>JAK-ST TLR-UP</b>	
											<b>[ -d(FAT&amp;dXq21. ]</b>					
TP   FP	14   45	0.94	34   144	0.8	33   116	0.84	34   115	0.84	22   93	0.87	32   142	0.81	27   80	0.89	31   102	0.86
FN   TN	82   693	0.24	62   594	0.19	63   622	0.22	62   623	0.22	74   645	0.19	64   596	0.18	69   658	0.25	65   636	0.23
Specificity																
Precision																
Recall		0.15		0.35		0.34		0.35		0.23		0.33		0.28		0.32

PANCAN  
 id: 1019 name: Bosutinib  
 target: SRC, ABL, TEC class: ABL signaling

835 cell lines  
 77 sensitive



HCC-827  
 CCR-1  
 H3118  
 MEG-01  
 BY-17  
 697  
 HSC-4  
 SW756  
 LAMA-84  
 KUBI2  
 BICR78  
 CML-2  
 LOU-NH91  
 CML-T1  
 OCL-LY7  
 CML-T1  
 RPMI-8866  
 Hea  
 BB30-HNC  
 KE-37  
 PC1-6A  
 JHU-011  
 C375  
 DOK  
 KYSE-410  
 JHU-022  
 JHU-029  
 ALL-SIL  
 WM35  
 PC1-48  
 Ca-Sk1  
 C-33-A  
 NCI-H209  
 KMS-12-BM  
 BHT-101  
 MOLT-16  
 SK-23  
 NCI-H292  
 H225  
 SA1  
 HE-13  
 OE21  
 TOV-2103  
 OVTOKO  
 RCC-JF  
 CHL-1  
 ACHN  
 HT-1080  
 LB2241-RCC  
 K562  
 IGROV-1  
 DIPY  
 KARPAS-231  
 JUBRO-1  
 JUBRO-MK1  
 Fadu  
 LEFT1-HNC  
 SK-LMS-1  
 WM3  
 PC-14  
 CAL-27  
 A549  
 A1-Fuk  
 SI-DHL-16  
 T12609-C02  
 KYSE-140  
 FADU  
 F2309  
 SW13  
 IPN-298  
 SKNSH  
 MZ2-MEL  
 OCL-LY-19  
 HARA  
 WSI-MHL  
 MLMA  
 K-562

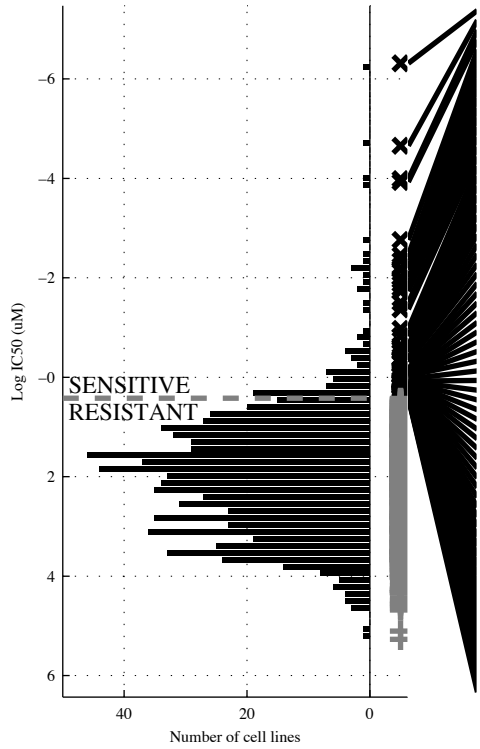


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>BCR-AB</b>	<b>BCR-AB &amp; MAP2K4</b>	<b>d(BNC2 &amp; d(AR11 &amp; dXp11.</b>	<b>-d18q22 &amp; a(MYC &amp; d(BNC2 &amp; d(SYNC</b>	<b>BCR-ABI MLL2</b>	<b>[ BCR-AB &amp; ]</b>   <b>[ MLL2 &amp; -d8p23. ]</b>	<b>BCR-ABI EP300  </b>	<b>BCR-ABI KDM6A  </b>
TP   FP	6   0	6   0	24   146	26   148	18   74	17   56	25   120	33   147
Specificity	1	1	0.81	0.81	0.9	0.98	0.84	0.81
FN   TN	71   758	71   758	53   612	51   610	59   684	60   702	52   638	44   611
Precision	1	1	0.14	0.15	0.2	0.63	0.17	0.18
Recall	0.078	0.078	0.31	0.31	0.23	0.14	0.32	0.43

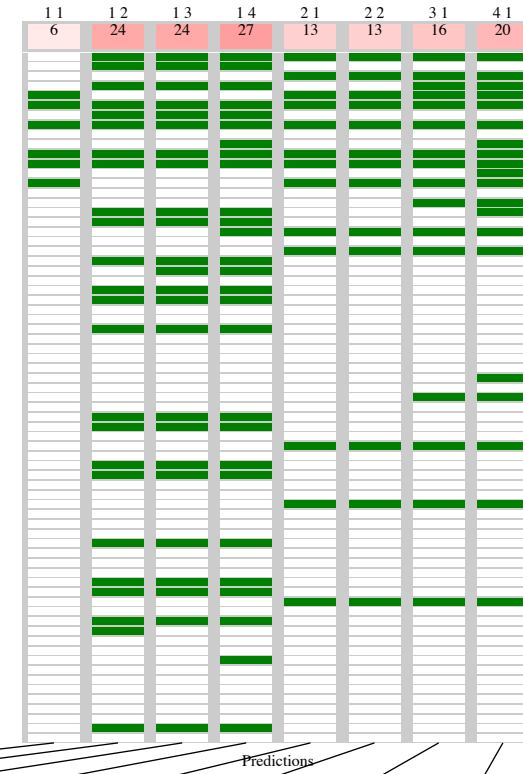
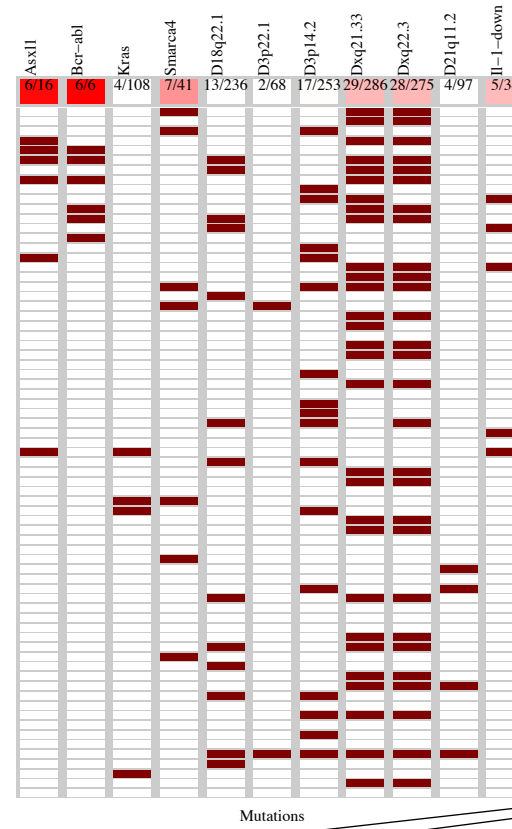
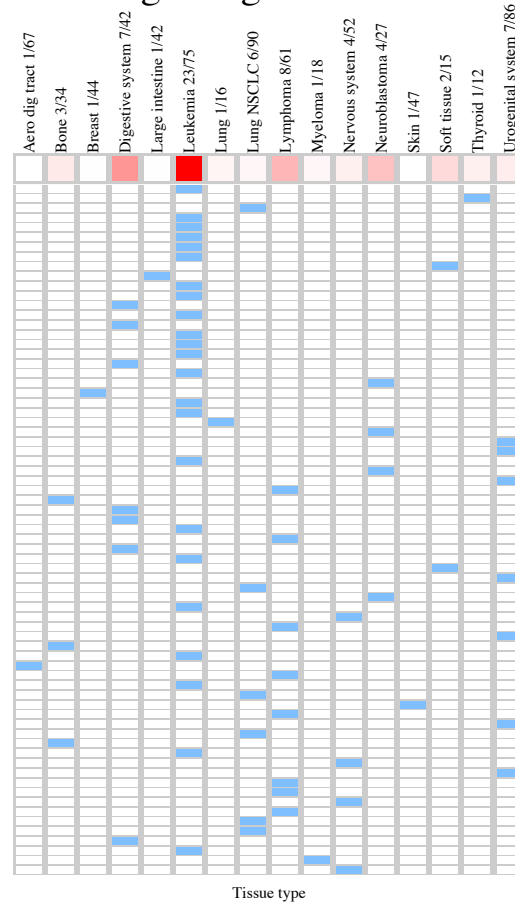


PANCAN  
 id: 1021 name: Axitinib  
 target: PDGFR, KIT, VEGFR class: RTK signaling

831 cell lines  
 71 sensitive



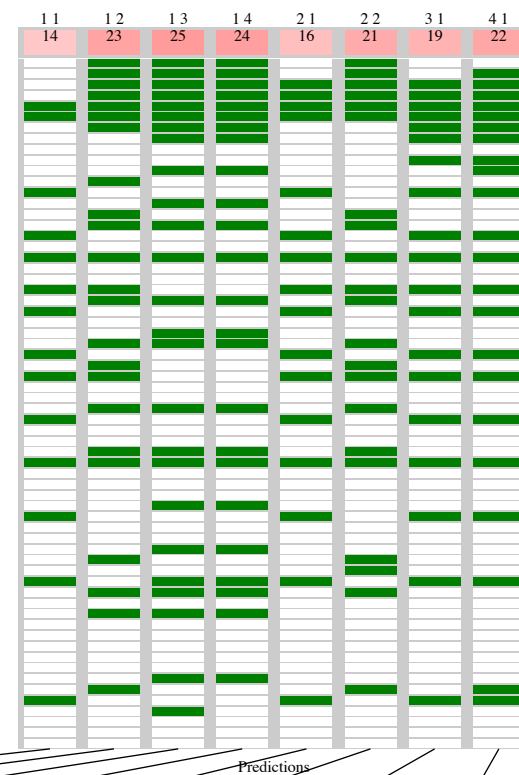
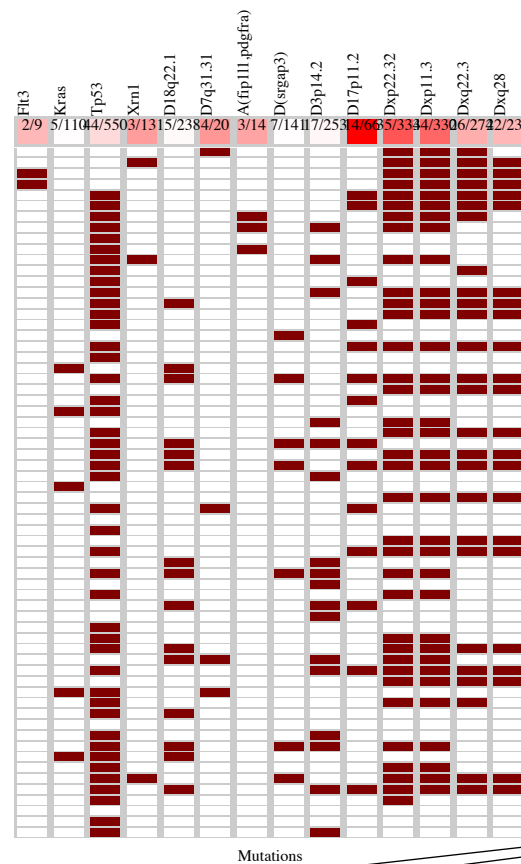
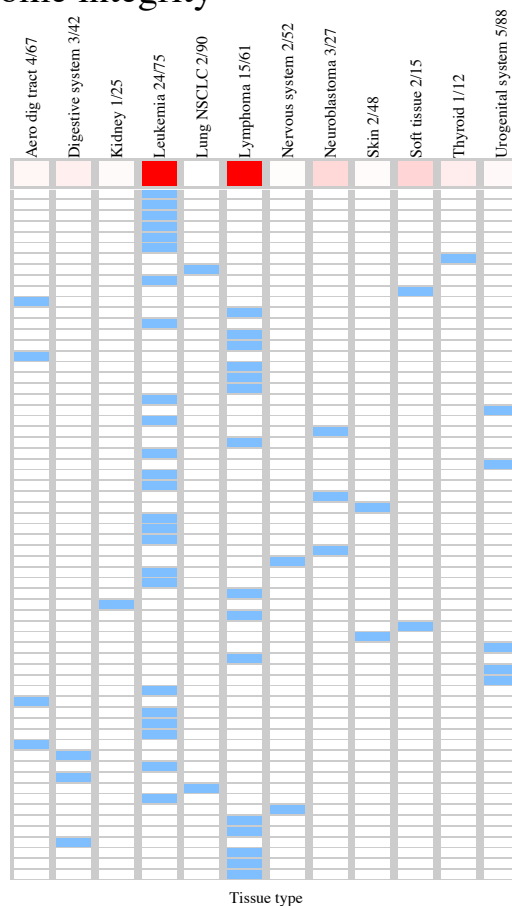
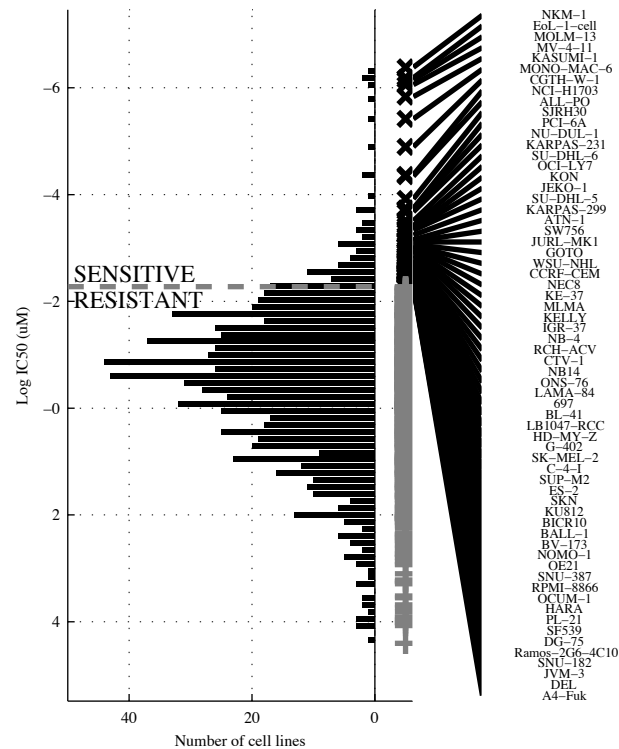
- EoL-1-cell
- CGIH-W1
- NCL-H1703
- KASUMI-1
- LAMA-84
- KU812
- JURL-MK1
- EM-8
- G-402
- NCL-H1716
- BV-173
- MEG-01
- HSC-39
- CML-T1
- KATO3H
- K-562
- ALL-SIL
- SUP-B15
- HUTU-80
- KCL-22
- NB14
- MPM-223
- ATN-1
- BE-13
- H2795
- CHP-212
- SKN
- NCC3
- NALM-6
- NB10
- AN1-CA
- SUP-M2
- ES8
- NCL-SNU-16
- SNU-182
- CCRF-CEM
- SU86
- HeP-2-7
- NKM-1
- STS-0421
- ONK-18
- A427
- MHH-NB-11
- 697
- H4
- JVM-3
- A2780
- ES7
- ALL-PO
- PCI-6A
- OCL-L37
- RPMI-8866
- NCL-H1563
- A375
- BI-41
- PWR-1E
- NCL-H1581
- ES5
- MV-4-11
- YH-13
- 639-V
- TUR
- P32-ISH
- D-566MG
- A4-Fuk
- NCL-H292
- VMRC-LCD
- FU99
- RCH-ACV
- MC-CAR
- CCF-STTG1



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>BCR-AB</b>	<b>-d3p14.&amp; dXq22.</b>	<b>-d3p14.&amp; dXq21.&amp; -d21q11</b>	<b>-KRAS&amp;-d3p22.&amp; dXq21.&amp;-d21q11</b>	<b>BCR-ABSMARCA</b>	<b>[BCR-AB&amp; SMARCA&amp;-d18q22]</b>	<b>ASXL1  BCR-ABI</b>	<b>ASXL1  BCR-ABI  SMARCA  IL-1-D</b>
TP   FP	6   0	24   149	24   134	27   152	13   34	13   25	16   44	20   70
Specificity	1	0.8	0.82	0.8	0.96	0.97	0.94	0.91
FN   TN	65   760	47   611	47   626	44   608	58   726	58   735	55   716	51   690
Precision	1	0.14	0.15	0.15	0.28	0.43	0.27	0.22
Recall	0.085	0.34	0.34	0.38	0.18	0.17	0.23	0.28

PANCAN  
 id: 1022 name: AZD7762  
 target: CHEK1, CHEK2 class: Genome integrity

833 cell lines  
 64 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d17p11</b>	<b>-d3p14.&amp; dXq22.</b>	<b>-d18q22.&amp;d(SRG&amp; dXp22.</b>	<b>-KRAS&amp;-d18q22&amp;-d(SRG&amp; dXp11.</b>	<b>FLT3   d17p11</b>	<b>[ -d3p14.&amp; dXq28 ]   [ -TP53 &amp; d7q31. ]</b>	<b>FLT3   a(FIP1   d17p11</b>	<b>FLT3   XRN1   a(FIP1   d17p11</b>
TP   FP Specificity	14   52 0.93	23   149 0.81	25   150 0.8	24   125 0.84	16   59 0.92	21   125 0.83	19   70 0.91	22   80 0.9
FN   TN Precision	50   717 0.21	41   620 0.13	39   619 0.14	40   644 0.16	48   710 0.21	43   644 0.13	45   699 0.21	42   689 0.22
Recall	0.22	0.36	0.39	0.38	0.25	0.31	0.3	0.34

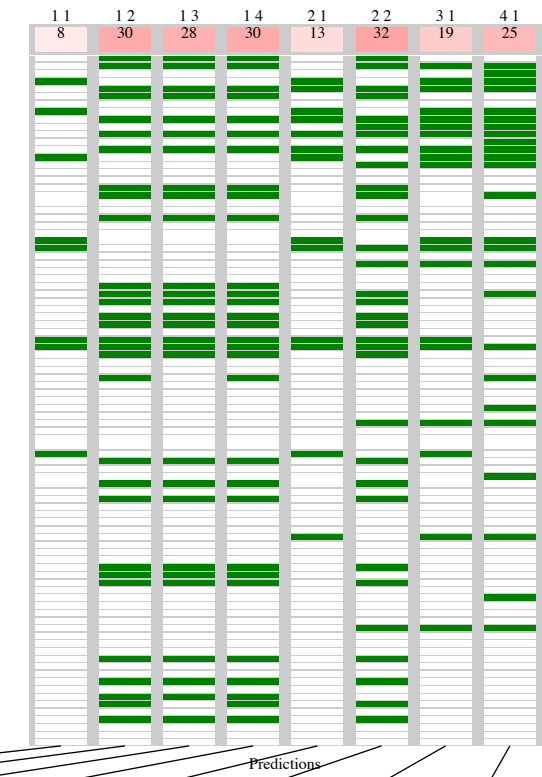
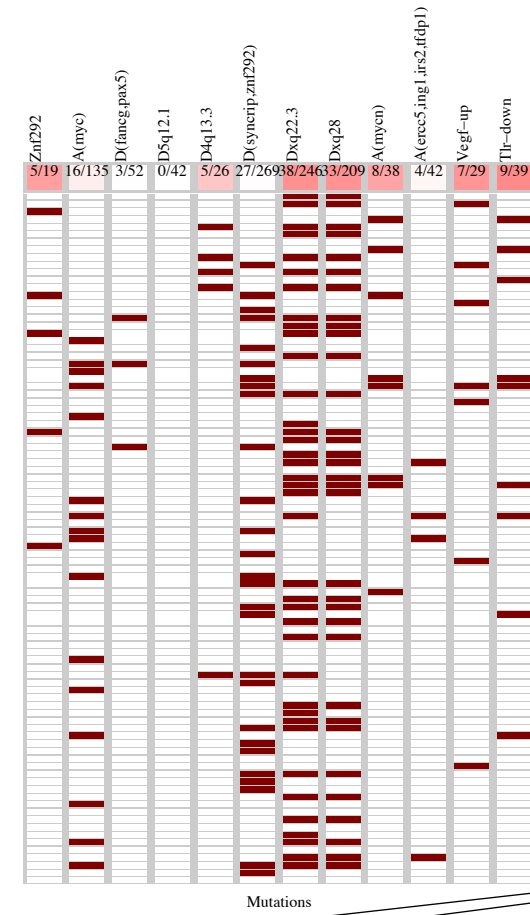
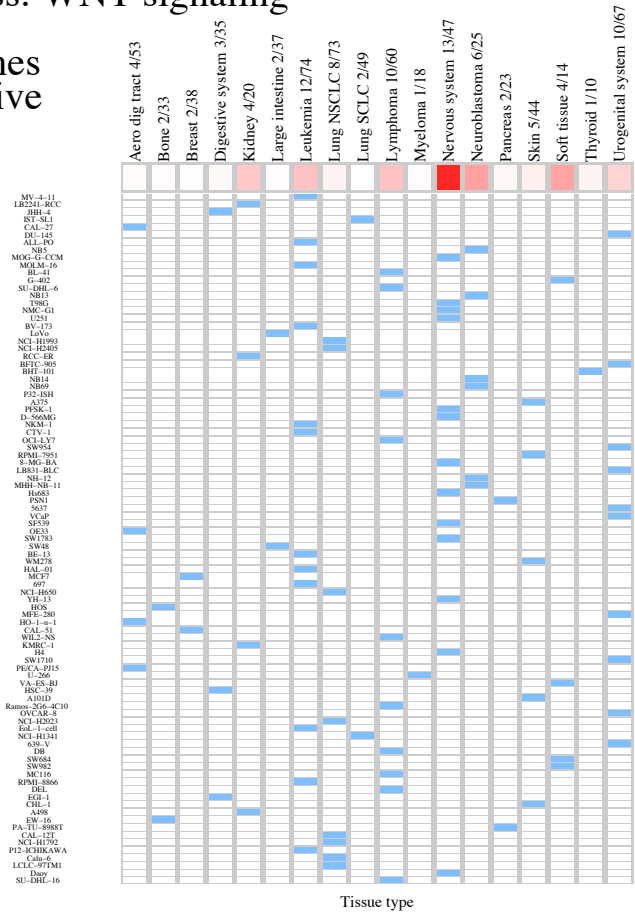
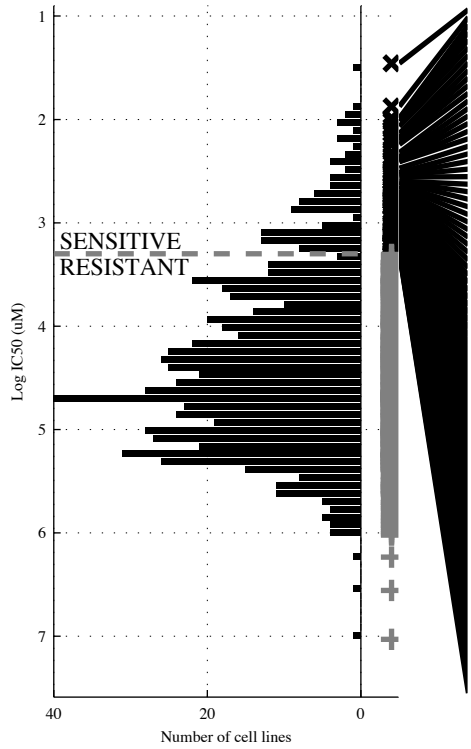






PANCAN  
 id: 1025 name: SB 216763  
 target: GSK3A, GSK3B class: WNT signaling

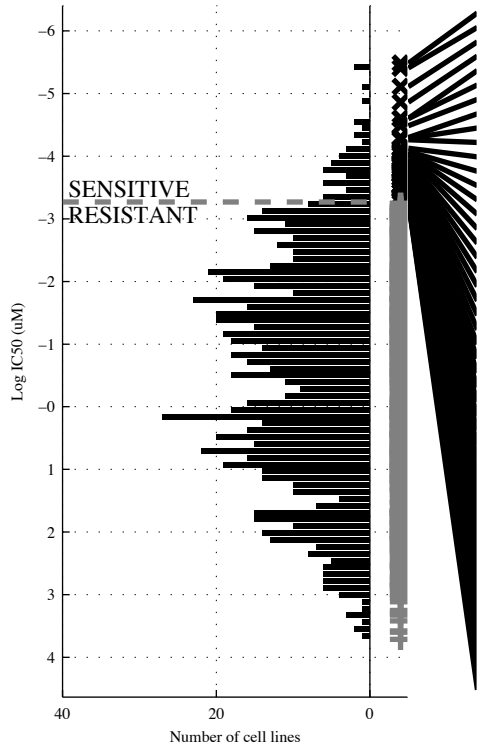
733 cell lines  
 91 sensitive



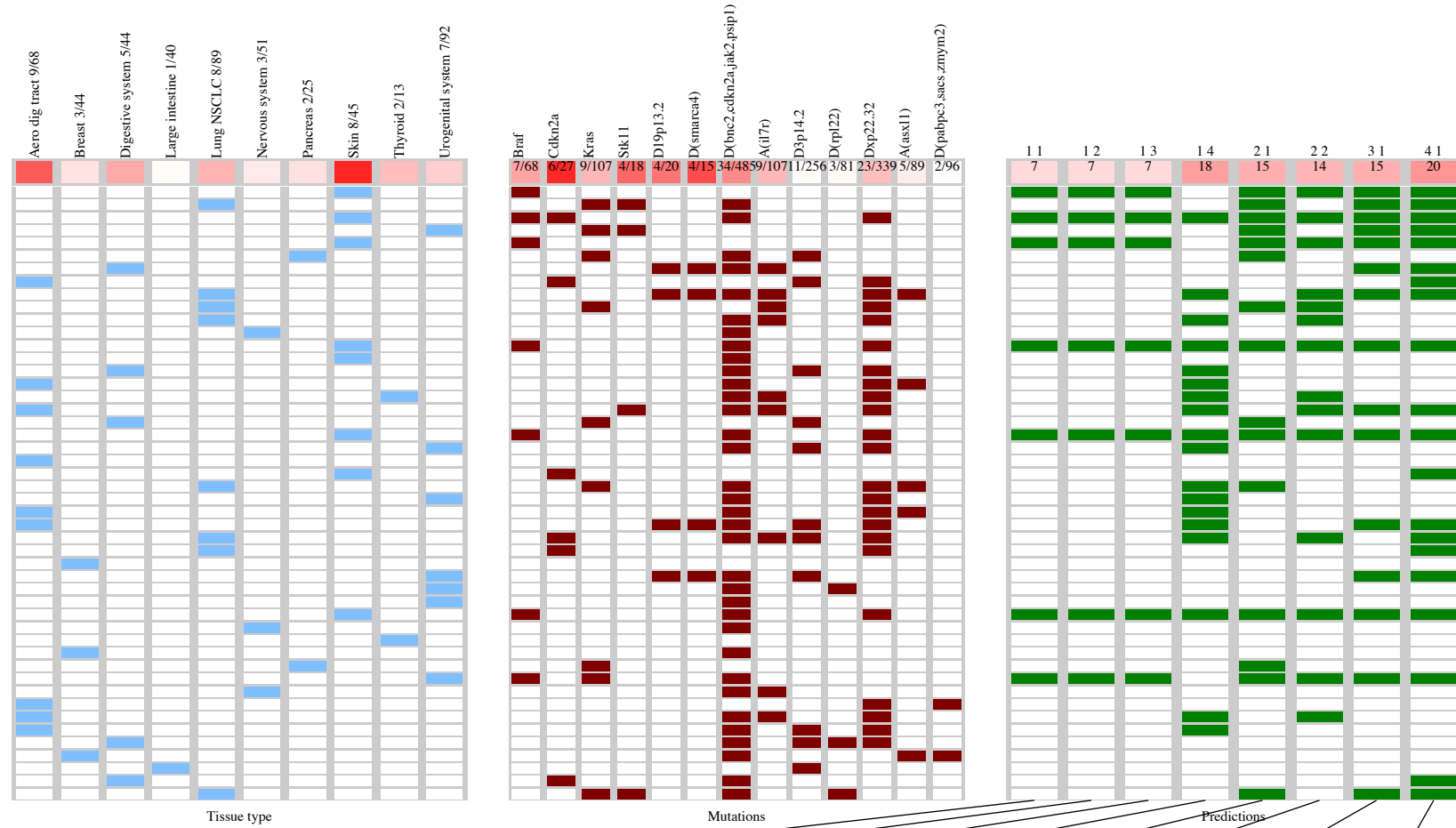
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a(MYCN)</b>	<b>-d(SYNG&amp;dXq22.)</b>	<b>-a(MYCN&amp;d(SYNG&amp;dXq22.)</b>	<b>-d(FAN&amp;-d5q12.&amp;-d(SYNG&amp;dXq22.)</b>	<b>d4q13. la(MYCN)</b>	<b>[ -d(SYNG&amp;dXq28 )   -a(ERC&amp;VEGF-U) ]</b>	<b>d4q13. la(MYCN)</b>	<b>ZNF292   d4q13.   VEGF-U</b>
TP   FP	8   30	30   117	28   102	30   92	13   50	32   118	19   70	25   84
Specificity	0.95	0.82	0.84	0.86	0.92	0.92	0.89	0.87
FN   TN	83   612	61   525	63   540	61   550	78   592	59   524	72   572	66   558
Precision	0.21	0.2	0.23	0.24	0.21	0.25	0.21	0.23
Recall	0.088	0.33	0.33	0.33	0.14	0.19	0.21	0.27

PANCAN  
 id: 1026 name: 17-AAG  
 target: HSP90 class: other

837 cell lines  
 48 sensitive



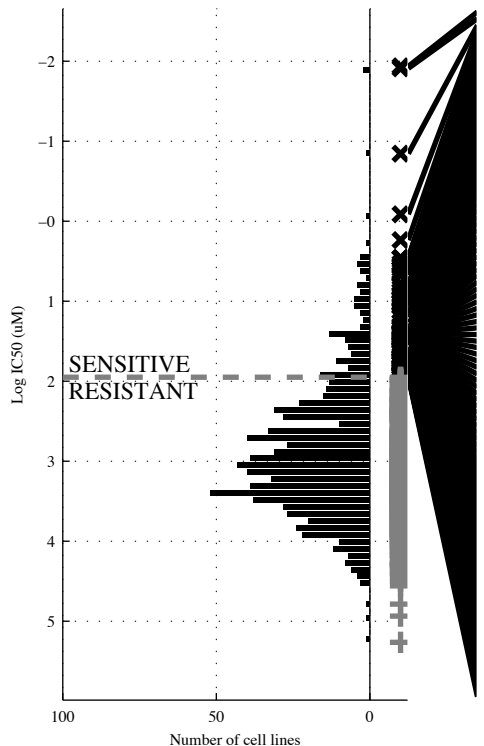
- IST-MEL1
- A549
- C32
- TOV-21G
- RPML-7951
- MIA-PaCa-2
- FU97
- FADU
- EBC-1
- HCC-44
- NCL-H3122
- KS-1
- IGR-37
- MEL-JUSO
- HGC-27
- KON
- CGTH-W-1
- TE-4
- AGS
- LOXIMVI
- MES-SA
- JHU-011
- CHL-1
- NCL-H647
- SKN
- DOK
- ESO26
- NCL-H1703
- LXF-289
- CAL-51
- OV-90
- DOV13
- CAL-29
- WM793B
- D-566MG
- TT2609-C02
- MDA-MB-361
- KP-2
- Hev
- H4
- PCI-30
- HO-1-u-1
- OE19
- NCL-N87
- BT-474
- SW48
- NCL-SNU-5
- NCL-H23



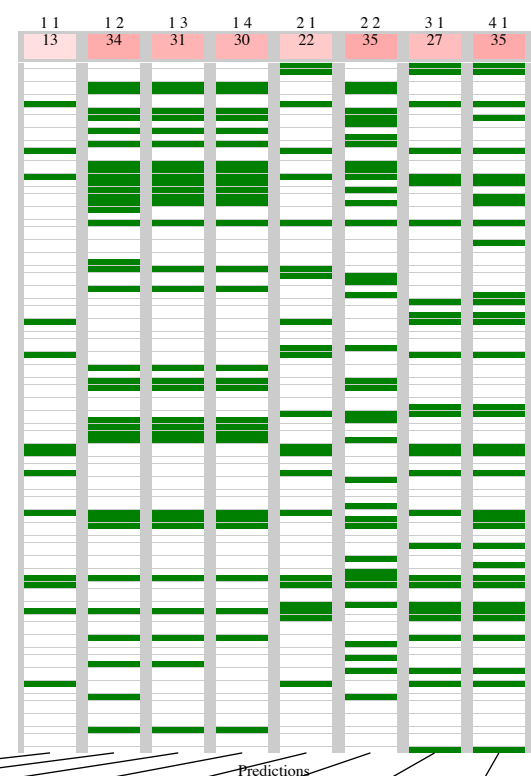
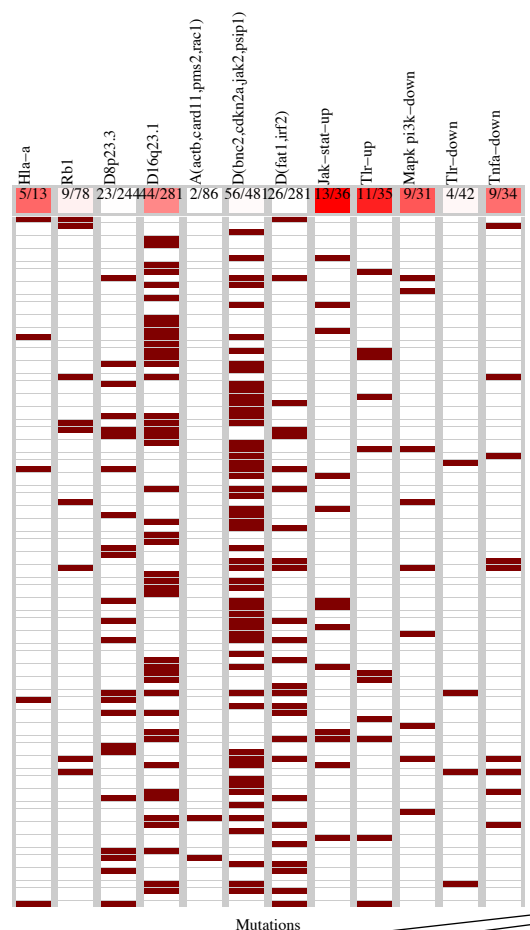
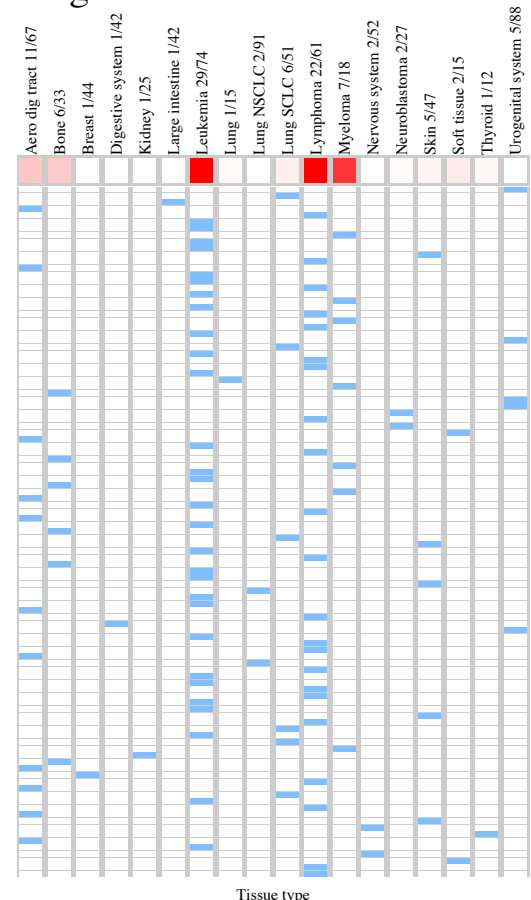
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>BRAF</b>	<b>BRAF &amp; ¬d3p14.</b>	<b>BRAF &amp; ¬d3p14.&amp;</b>	<b>d(BNC2&amp;¬d(RPL&amp;</b> <b>dXp22.&amp;¬d(PABP</b>	<b>BRAF   KRAS</b>	<b>[ a(IL7R &amp; dXp22. ]</b> <b> </b> <b>[ BRAF &amp; ¬d3p14.]</b>	<b>BRAF   STK11  </b> <b>d(SMAR</b>	<b>BRAF   CDKN2A </b> <b>STK11   d19p13</b>
TP   FP	7   61	7   43	7   30	18   135	15   157	14   60	15   82	20   105
Specificity	0.92	0.95	0.96	0.83	0.8	0.92	0.9	0.86
FN   TN	41   728	41   746	41   759	30   654	33   632	34   729	33   707	28   684
Precision	0.1	0.14	0.19	0.12	0.087	0.19	0.15	0.17
Recall	0.15	0.15	0.15	0.38	0.31	0.29	0.31	0.45

PANCAN  
id: 1028 name: VX-702  
target: p38 class: JNK and p38 signaling

831 cell lines  
105 sensitive



- HL-185
- NCL-H716
- HT-1080
- MALM-16
- LMNA-1
- NKL-H929
- HLA-S086
- AGS-D
- NSC01
- NSC01
- RCC-AACV10
- R1507-2009
- RBMF-829
- CHM1
- CHM2
- SKM-3
- SKM-1
- RL-19-19
- NU-HJ46
- RL-13
- KARAS-1100P
- Est-1-001
- E2793
- SK-NS-19W
- SK-NS-19W
- CHP-212
- 7669
- NKJLU10-10
- CL-1
- CL-2
- CL-7
- RSC0-1
- LV-16
- LV-16
- KARAS-211
- JIN-3
- JIN-3
- 07
- SK-1
- AN-1
- LV-18
- LV-18
- CVL-080
- SUS-16
- LV-16
- MOL-16
- CL-MH
- CL-MH
- MEL-4
- PCT-0A
- RCC-19
- HL-20
- HL-20
- WH-011
- ST-BH-5
- ST-BH-5
- ELU-10
- CA-10
- CA-10
- OCC-AM3
- MONS-HAC-6
- 2511
- WSU-NHL
- CCRP-2EM
- MOL-8
- MOL-8
- SE-15-1
- CA-23
- KPS-BH1
- LRP1-SCLC
- NMB-6
- PCL-10
- PCL-10
- MOL-11W
- PIC-13
- M2-11
- D-15-11
- SK-LMS-1
- SUP-HBT

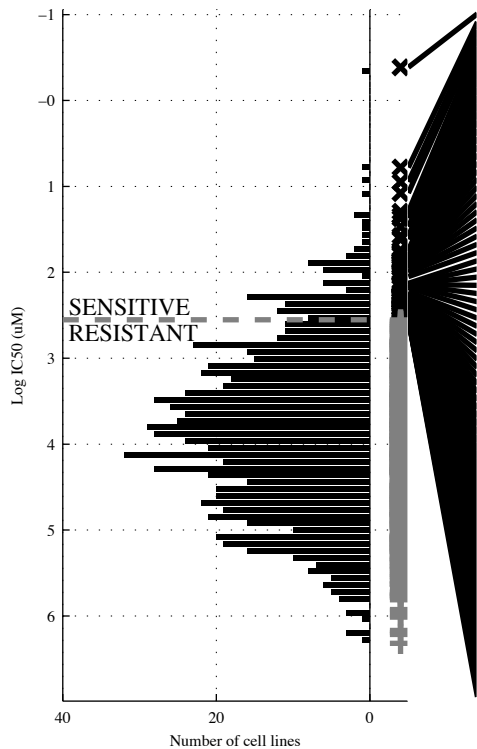


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>JAK-ST</b>	<b>d16q23 &amp; -d(FAT1)</b>	<b>-d8p23 &amp; d16q23 &amp; -d(FAT1)</b>	<b>-d8p23 &amp; d16q23 &amp; -a(ACT1L3) &amp; -d(FAT1)</b>	<b>RB1   JAK-ST</b>	<b>[ d16q23 &amp; d(BNC2)   [MAPK &amp; TLR-DQ]</b>	<b>HLA-A   JAK-ST   TNFa-D</b>	<b>HLA-A   JAK-ST   TLR-UP   TNFa-D</b>
TP   FP	13   23	34   143	31   96	30   80	22   92	35   110	27   56	35   74
Specificity	0.97	0.8	0.87	0.89	0.87	0.88	0.92	0.9
FN   TN	92   703	71   583	74   630	75   646	83   634	70   616	78   670	70   652
Precision	0.36	0.19	0.24	0.27	0.19	0.2	0.33	0.32
Recall	0.12	0.32	0.3	0.29	0.21	0.21	0.26	0.33

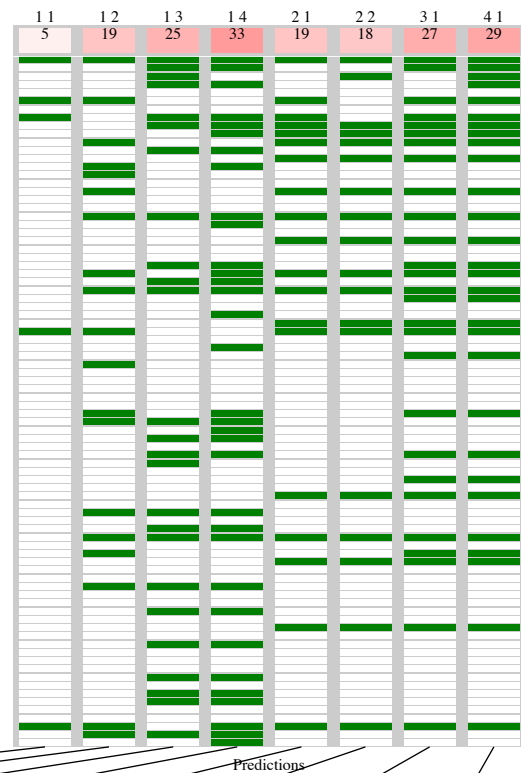
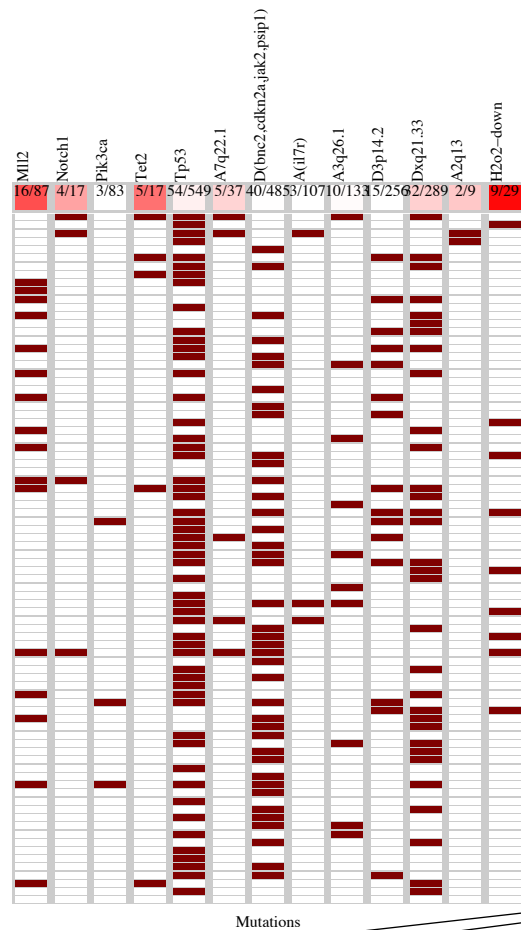
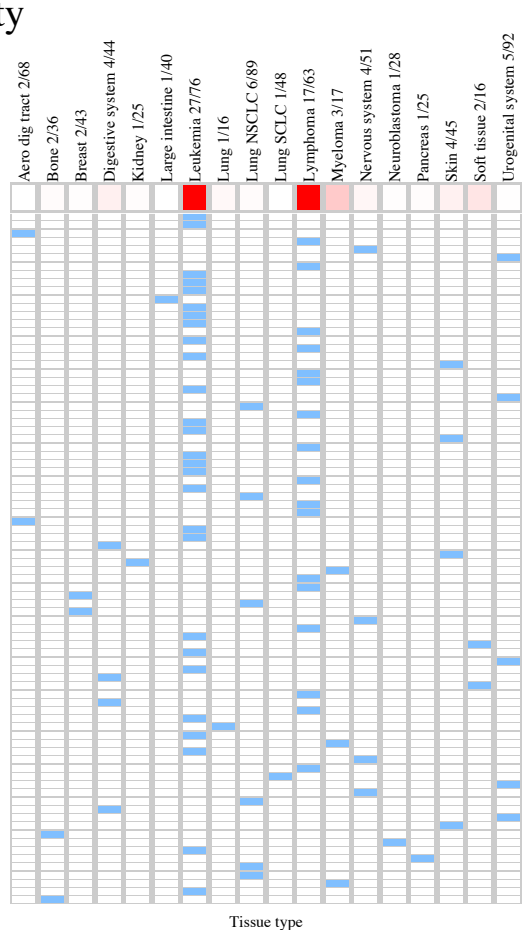


PANCAN  
 id: 1030 name: KU-55933  
 target: ATM class: Genome integrity

835 cell lines  
 84 sensitive



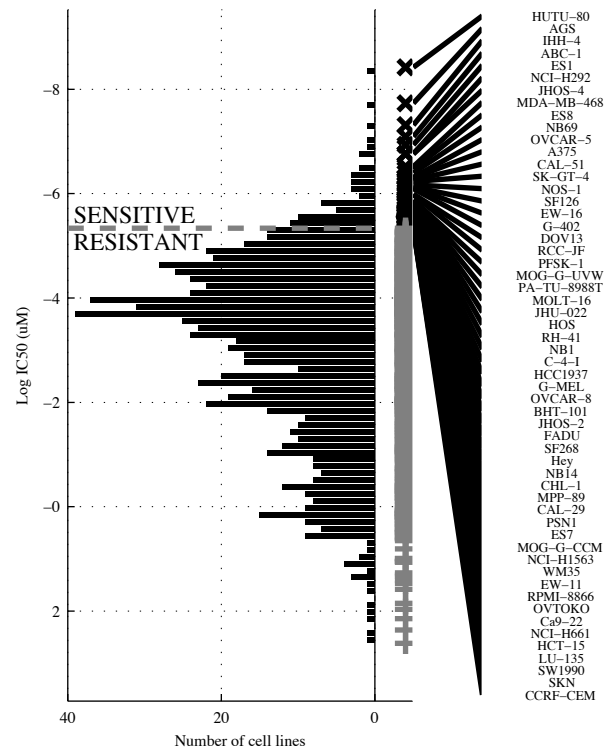
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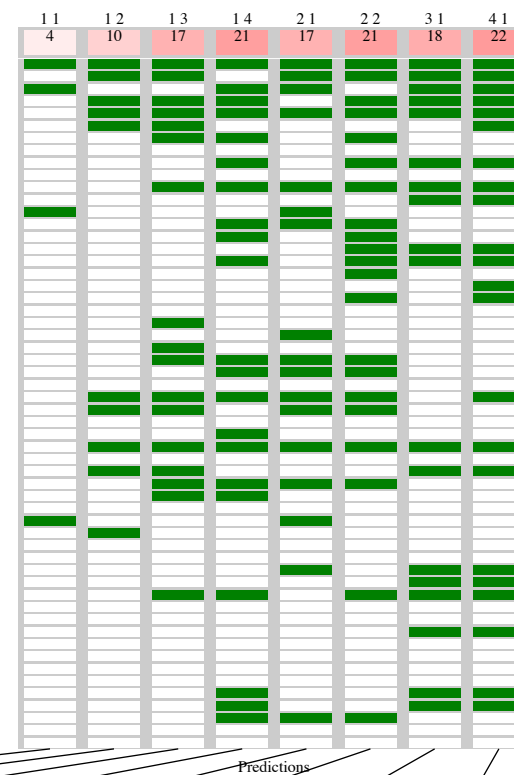
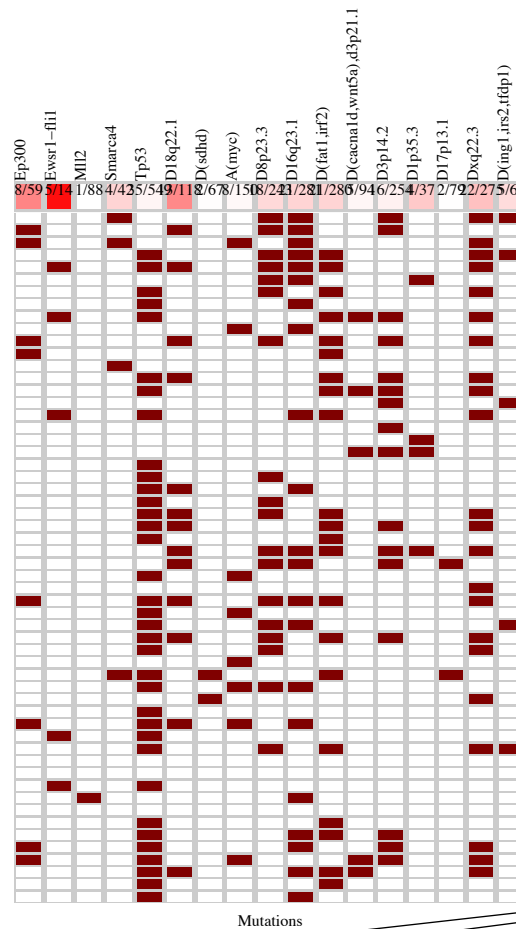
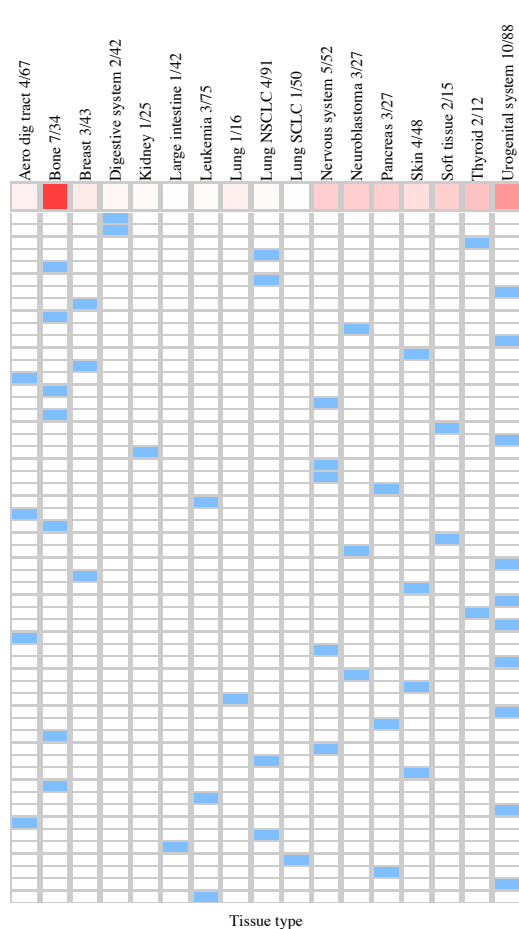
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M																
Logic formula	<b>TET2</b>		<b>~d(BNC&amp;dXq21.</b>		<b>TP53 &amp;d(BNC&amp;</b>		<b>~PIK3C&amp;d(BNC&amp;</b>		<b>MLL2   TET2</b>		<b>[NOTCH&amp; a7q22. ]</b>		<b>MLL2   TET2  </b>		<b>MLL2   TET2  </b>	
					<b>~d3p14.</b>		<b>~a(IL7R&amp;~d3p14.</b>				<b>[ MLL2 &amp;~a3q26. ]</b>		<b>H2O2-D</b>		<b>a2q13  H2O2-D</b>	
TP   FP	5   12	0.98	19   83	0.89	25   148	0.8	33   148	0.8	19   78	0.9	18   65	0.91	27   94	0.87	29   101	0.87
FN   TN	79   739	0.29	65   668	0.19	59   603	0.14	51   603	0.18	65   673	0.2	66   686	0.21	57   657	0.22	55   650	0.22
Recall		0.06		0.23		0.3		0.39		0.23		0.21		0.32		0.35

PANCAN  
 id: 1031 name: Elesclomol  
 target: HSP70 class: other

833 cell lines  
 56 sensitive



HUTU-80  
 AGS  
 IHH-4  
 ABC-1  
 ESC-1  
 NCI-H292  
 JHOS-4  
 MDA-MB-468  
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 NB69  
 OVCAR-5  
 A375  
 CAL-51  
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 SF126  
 EW-16  
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 DOV13  
 RCC-JF  
 PFSK-1  
 MOG-G-U1VW  
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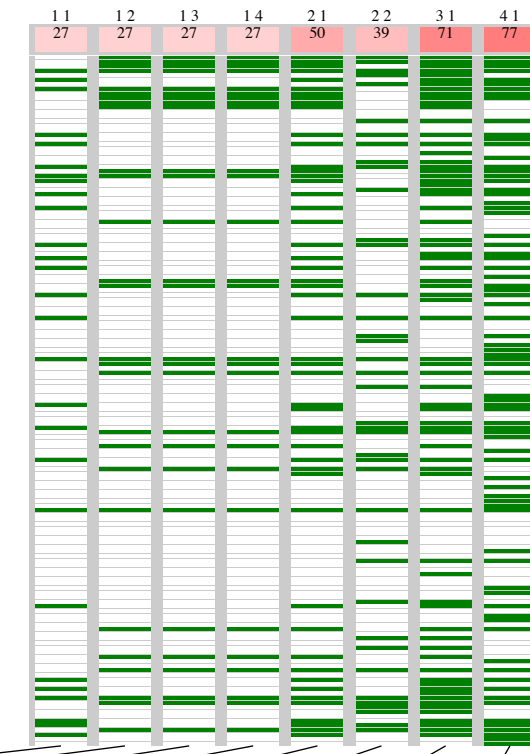
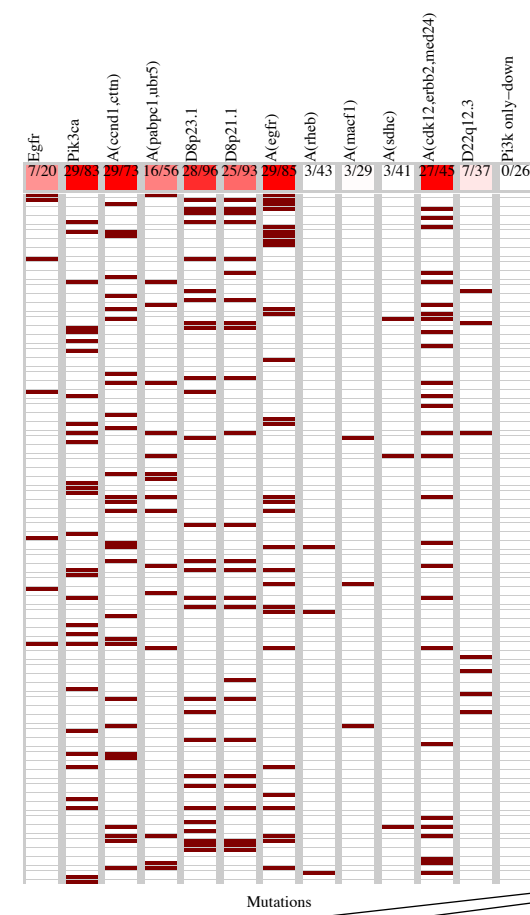
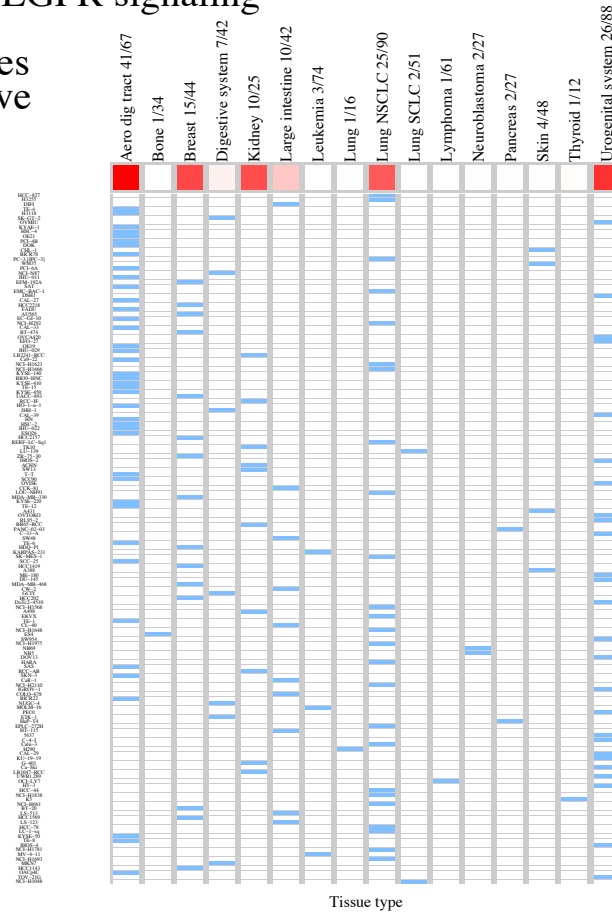
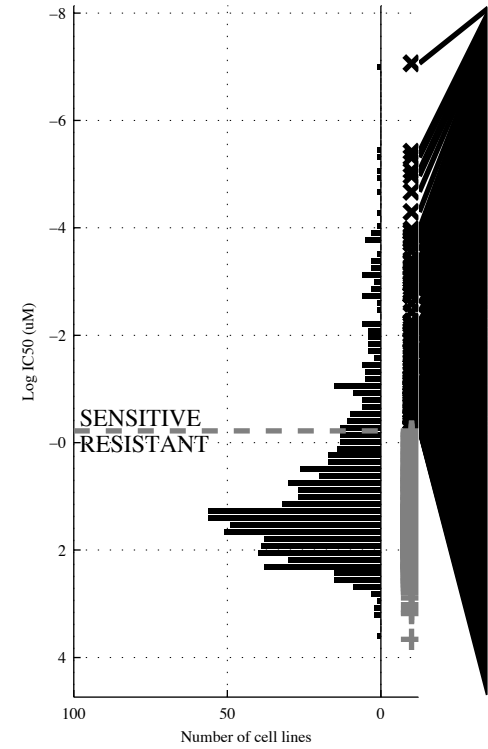


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>SMARCA</b>	<b>d8p23. &amp; d16q23</b>	<b>~a(MYC &amp; d8p23. &amp; d(CACN</b>	<b>~MLL2 &amp; d(SDHI &amp; d17p13 &amp; dXq22.</b>	<b>SMARCA d18q22</b>	<b>[ ~TP53 &amp; d3p14. ]   [ d(FAT1 &amp; dXq22. ]</b>	<b>EP300   EWSR1-   d(ING1</b>	<b>EP300   EWSR1-   d1p35.   d(ING1</b>
TP   FP	4   38	10   88	17   136	21   146	17   138	21   141	18   110	22   135
FN   TN	52   739	46   689	39   641	35   631	39   639	35   636	38   667	34   642
Specificity	0.95	0.89	0.82	0.81	0.82	0.83	0.86	0.83
Precision	0.095	0.1	0.11	0.13	0.11	0.13	0.14	0.14
Recall	0.071	0.18	0.3	0.38	0.3	0.36	0.32	0.39



PANCAN  
 id: 1032 name: Afatinib  
 target: ERBB2, EGFR class: EGFR signaling

833 cell lines  
 151 sensitive

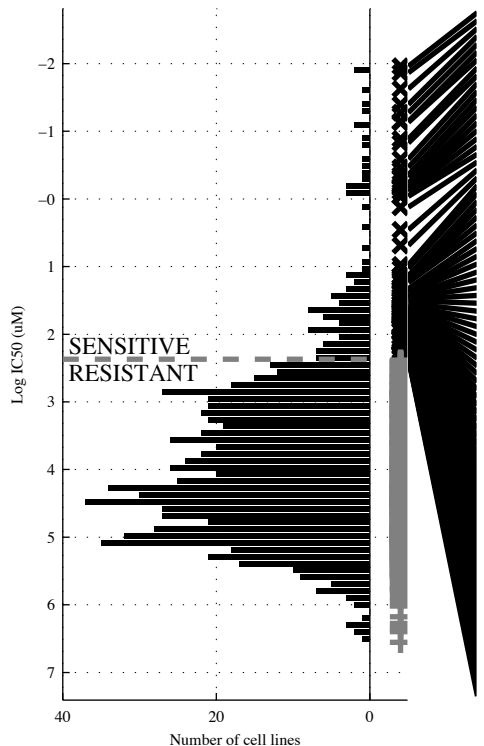


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a(CDK1)</b>	<b>a(EGFR &amp; a(RHEB))</b>	<b>a(EGFR &amp; a(RHEB) &amp; ¬a(SDHC))</b>	<b>a(EGFR &amp; a(RHEB) &amp; ¬a(SDHC) &amp; ¬PI3K o)</b>	<b>a(EGFR   a(CDK1))</b>	<b>[ d8p21. &amp; ¬d22q12 ]   [ a(PABP &amp; a(MACF)) ]</b>	<b>d8p23.   a(EGFR)   a(CDK1)</b>	<b>EGFR   PIK3CA   a(CCND)   a(CDK1)</b>
TP   FP	27   18	27   30	27   23	27   19	50   66	39   84	71   129	77   108
FN   TN	124   664	124   652	124   659	124   663	101   616	112   598	80   553	74   574
Specificity	0.97	0.96	0.97	0.97	0.9	0.9	0.81	0.84
Precision	0.6	0.47	0.54	0.58	0.43	0.32	0.35	0.42
Recall	0.18	0.18	0.18	0.18	0.33	0.22	0.47	0.51

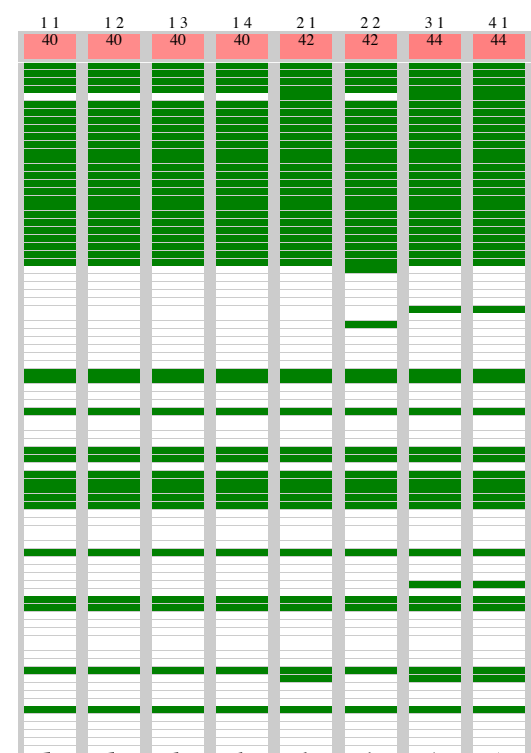
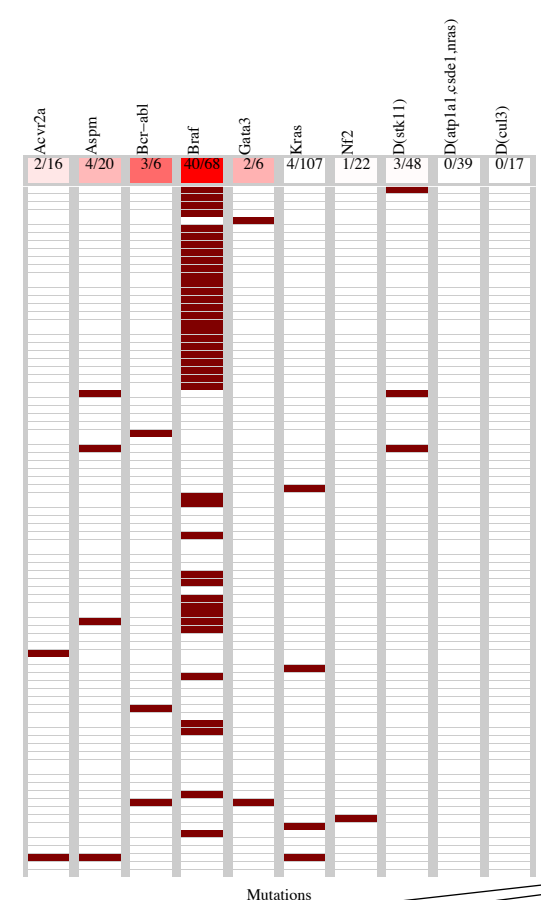
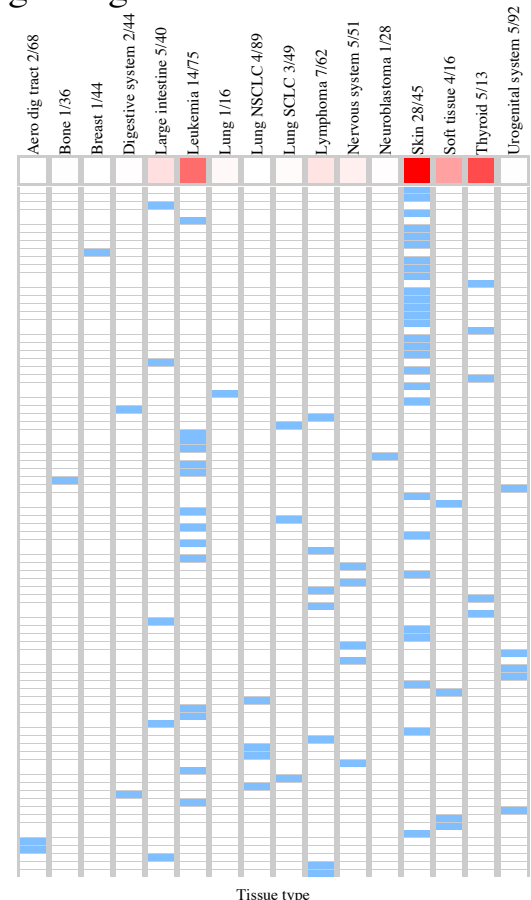


PANCAN  
 id: 1036 name: PLX4720  
 target: BRAF class: ERK MAPK signaling

835 cell lines  
 88 sensitive



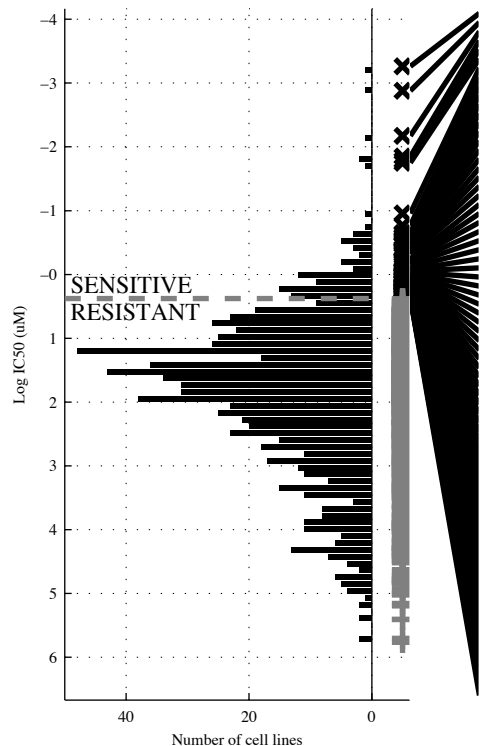
- IGR-37
- 4014
- COLO-205
- A375
- ATN-1
- CPSO-MEL-R
- C32
- MEL-90
- DU-4475
- A010D
- MMAC-SF
- BHI-01
- SK-MEL-28
- HT-144
- HT-151
- WM-115
- SK-MEL-1
- 85
- COLO-629
- UACC-297
- SK-MEL-5
- HU-209
- LOXIMV1
- R89C
- CE-30
- HT29
- MZC-MEL
- HSC-39
- OCI-L7
- NCI-H1676
- BI-173
- RPMI-8866
- 997
- NB1
- Fol-1-sell
- ALL-PO
- OS
- TDV-21G
- SK-MEL-3
- SW637
- SIP-B8
- NCI-H189
- MOLM-16
- KE-37
- FT
- BE-13
- MCF-10
- WM1552C
- DHFR-DRMG
- DC-79
- PC9
- JM-3
- HIF-1
- CL-34
- COLO-383
- CHL-1
- 8-MEG-BA
- PA-1
- H4
- SNG-M
- ES-2
- A431
- HT-1080
- NCI-H1669
- LAMA-84
- KARPAS-231
- LS-418
- MZ-acl
- HRO-1
- HCC-827
- K562
- YKG-1
- KARPAS-45
- NCI-HR23
- NCI-H1668
- SK-HBP-1
- CML-11
- FYK-40
- VVA-88
- Hs578T
- RPMI-7951
- HN
- BEK22
- LoVo
- Asi-F48
- JVM-2



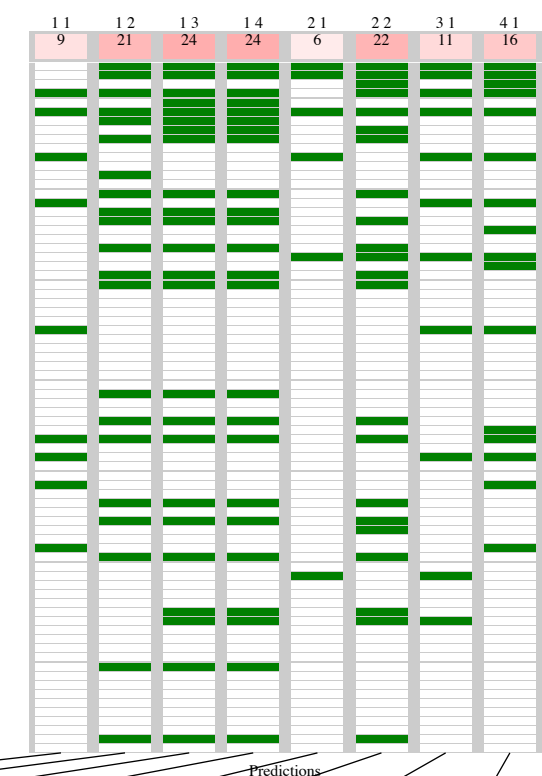
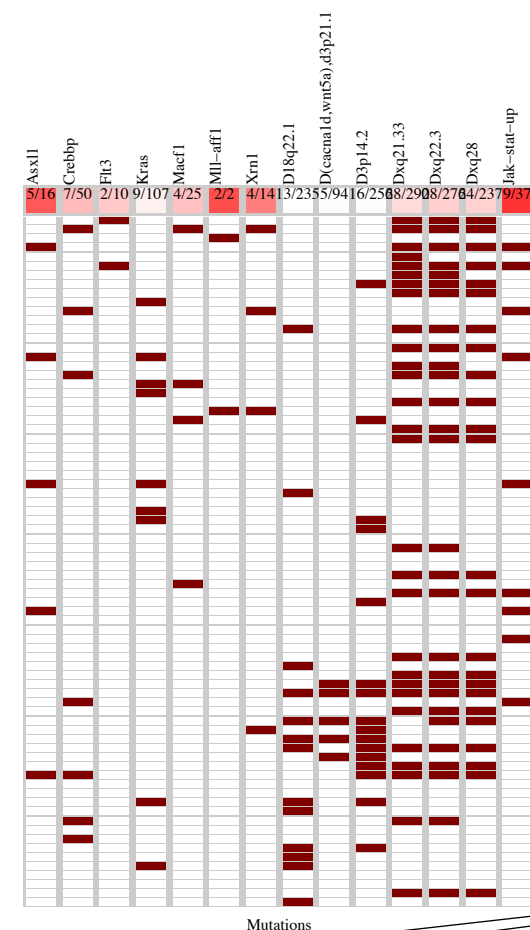
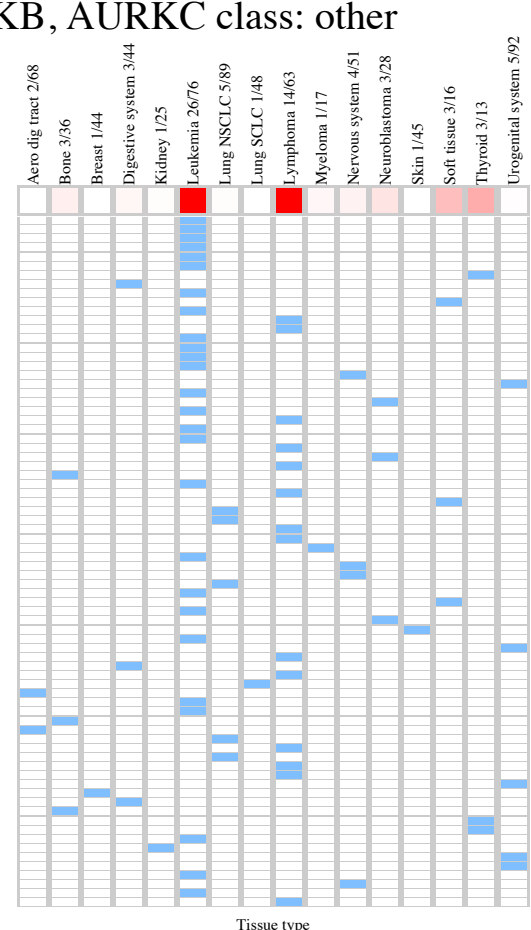
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>BRAF</b>	<b>BRAF &amp; ~KRAS</b>	<b>~ACVR2 &amp; BRAF &amp; ~NF2</b>	<b>~ACVR2 &amp; BRAF &amp; ~NF2 &amp; d(CUL3)</b>	<b>BRAF   GATA3</b>	<b>[ ASPM &amp; d(STK1)   [ BRAF &amp; d(ATP1]</b>	<b>BCR-ABI BRAF   GATA3</b>	<b>BCR-ABI BRAF   GATA3  </b>
TP   FP	40   28	40   25	40   22	40   20	42   32	42   27	44   35	44   35
Specificity	0.96	0.97	0.97	0.97	0.96	0.96	0.95	0.93
FN   TN	48   719	48   722	48   725	48   727	46   715	46   720	44   712	44   712
Precision	0.59	0.62	0.65	0.67	0.57	0.62	0.56	0.48
Recall	0.45	0.45	0.45	0.45	0.48	0.48	0.5	0.55

PANCAN  
 id: 1037 name: BX-795  
 target: TBK1, PDPK1, IKK, AURKB, AURKC class: other

836 cell lines  
 76 sensitive



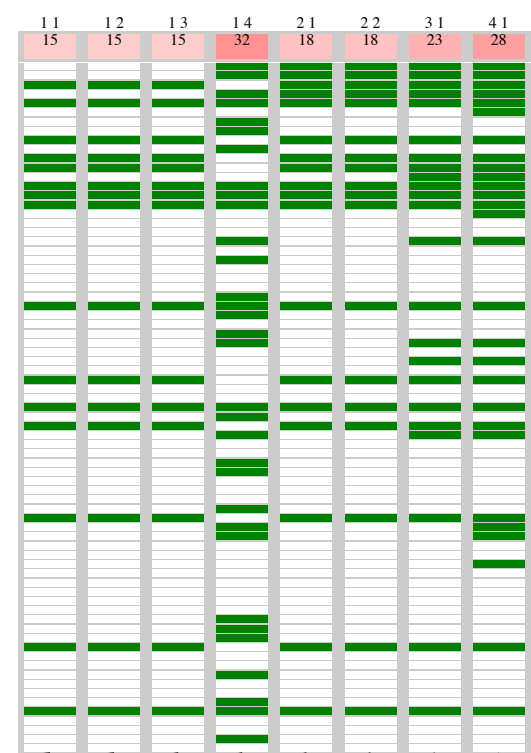
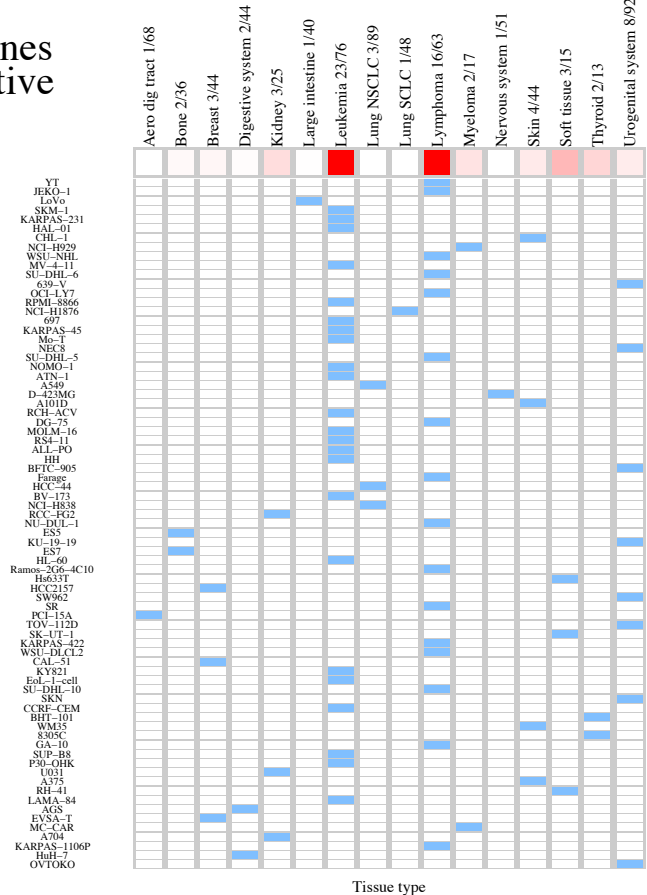
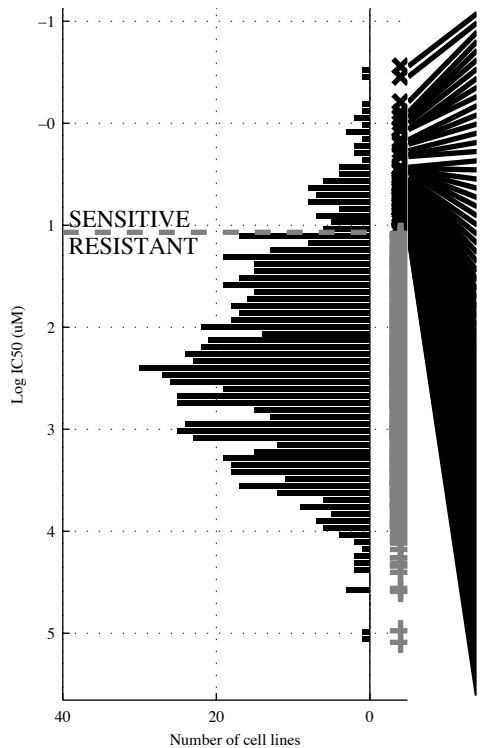
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 Ect-1  
 A549  
 MONO-MAC-6  
 MOLM-13  
 CGH-1  
 H1TU-80  
 NALM-6  
 H663T  
 KARPAS-45  
 HES-1  
 OCI-LY7  
 BE-13  
 BV-173  
 CCBE-EM  
 NKM-1  
 YH-15  
 TOV-21G  
 RCH-ACY  
 CHP-212  
 RS4-11  
 CRO-AP2  
 697  
 PFI-OHK  
 SU-DHL-5  
 NB14  
 TUB  
 EST  
 SKM-1  
 Y1  
 SW982  
 HCC-44  
 EMC-BAC-2  
 SUP-M2  
 L-1236  
 NCI-H959  
 MOLT-4  
 H1  
 D-283MED  
 LXF-289  
 OCI-AML2  
 VA-ES-BJ  
 LAMA-84  
 NB69  
 N375  
 RPMI-8402  
 SKN  
 SK  
 HSC-39  
 H1-11  
 LI-135  
 BCR22  
 MOLT-13  
 SUP-B15  
 ES  
 PCI-6A  
 LC-2-ad  
 Ramos-206-2C10  
 NCI-H1703  
 P32-1SH  
 SU-DHL-6  
 PA-1  
 CAL-51  
 MGS  
 ES2  
 HHH  
 TT2009-CD2  
 KARPAS-251  
 LB1047-RCC  
 BFTC-905  
 He  
 MOLM-16  
 D-568MG  
 ALL-SIL  
 KARPAS-1106P



Model name	11	12	13	14	21	22	31	41
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>JAK-ST</b>	<b>-d3p14.&amp; dXq22.</b>	<b>-d18q22.&amp; d(CACN&amp; dXq21.</b>	<b>-KRAS&amp;-d18q22.&amp; -d(CACN&amp; dXq21.</b>	<b>FLT3   XRN1</b>	<b>[ -d18q22&amp; dXq28 ]   fCREBB&amp;MLL-AF]</b>	<b>ASXL1   FLT3   XRN1</b>	<b>FLT3   MACF1   MLL-AF JAK-ST</b>
TP   FP	9   28	21   151	24   134	24   114	6   18	22   140	11   29	16   55
Specificity	0.96	0.8	0.82	0.85	0.98	0.82	0.96	0.93
FN   TN	67   732	55   609	52   626	52   646	70   742	54   620	65   731	60   705
Precision	0.24	0.12	0.15	0.17	0.25	0.14	0.28	0.23
Recall	0.12	0.28	0.32	0.32	0.079	0.29	0.14	0.21

PANCAN  
 id: 1038 name: NU-7441  
 target: PRKDC (DNAPK) class: Genome integrity

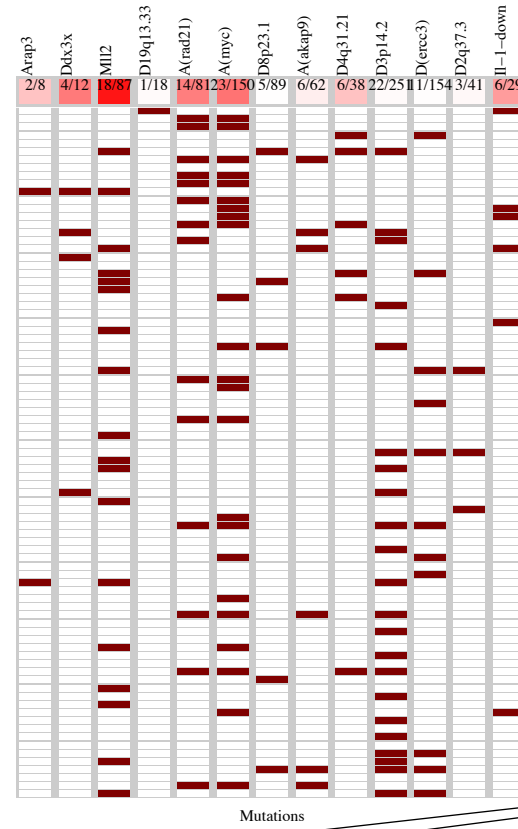
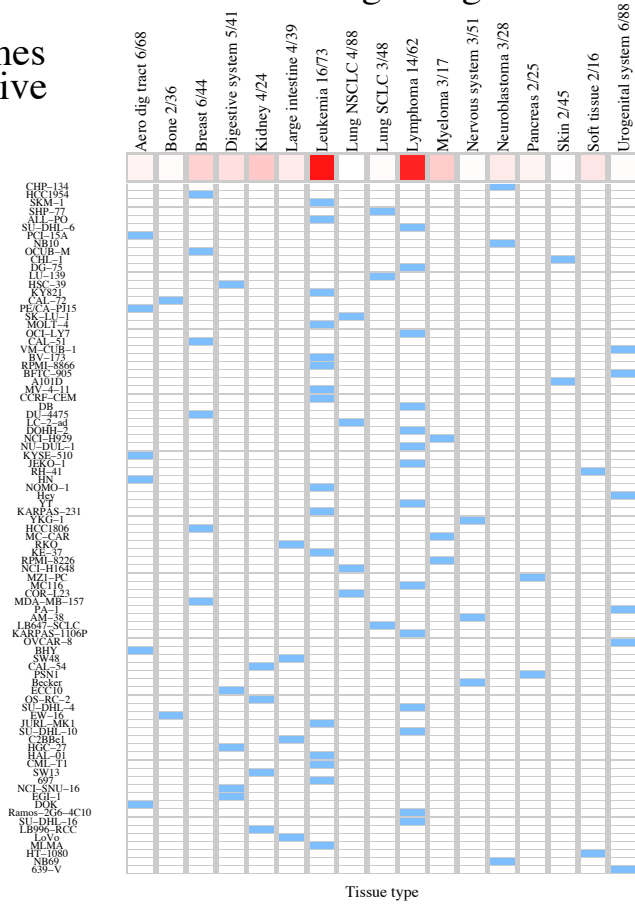
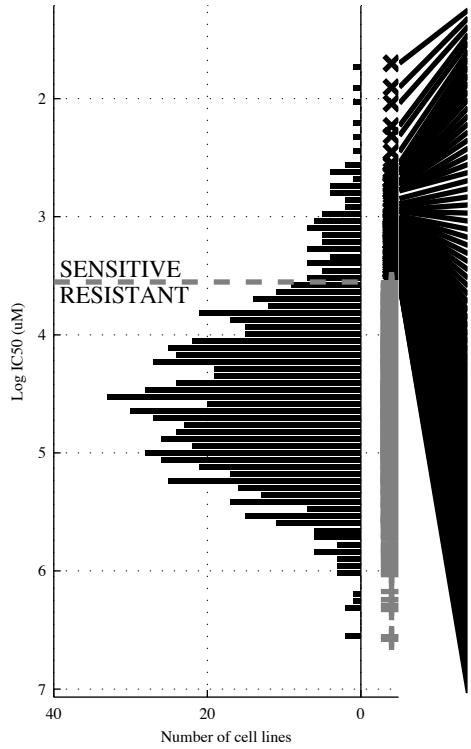
833 cell lines  
 75 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MLL2</b>	<b>MLL2 &amp; a(CCT5)</b>	<b>MLL2 &amp; a(CCT5) &amp; -d20p12</b>	<b>-PIK3CA &amp; -d(BNC2) &amp; -a(IL7R) &amp; -d3p14.</b>	<b>MLL2   a(CUL2)</b>	<b>[ a(CUL2) &amp; -a(IL7R) ]   [ MLL2 &amp; a(CCT5) ]</b>	<b>MLL2   a(CUL2)   MAPK o</b>	<b>CREBBP   MLL2   a(CUL2)   MAPK o</b>
TP   FP	15   72	15   58	15   43	32   150	18   99	18   72	23   120	28   149
Specificity	0.91	0.92	0.94	0.82	0.87	0.9	0.84	0.8
FN   TN	60   686	60   700	60   715	43   608	57   659	57   686	52   638	47   609
Precision	0.17	0.21	0.26	0.18	0.15	0.2	0.16	0.16
Recall	0.2	0.2	0.2	0.4	0.24	0.24	0.31	0.37

PANCAN  
 id: 1039 name: SL 0101-1  
 target: RSK, AURKB, PIM3 class: ERK MAPK signaling

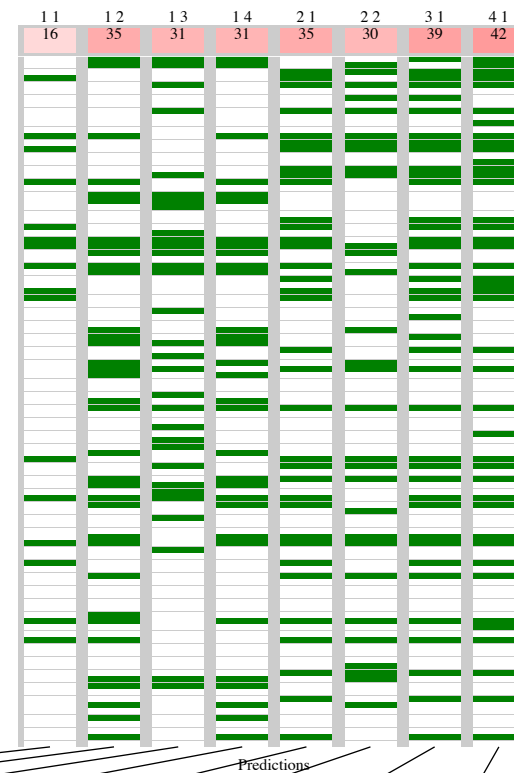
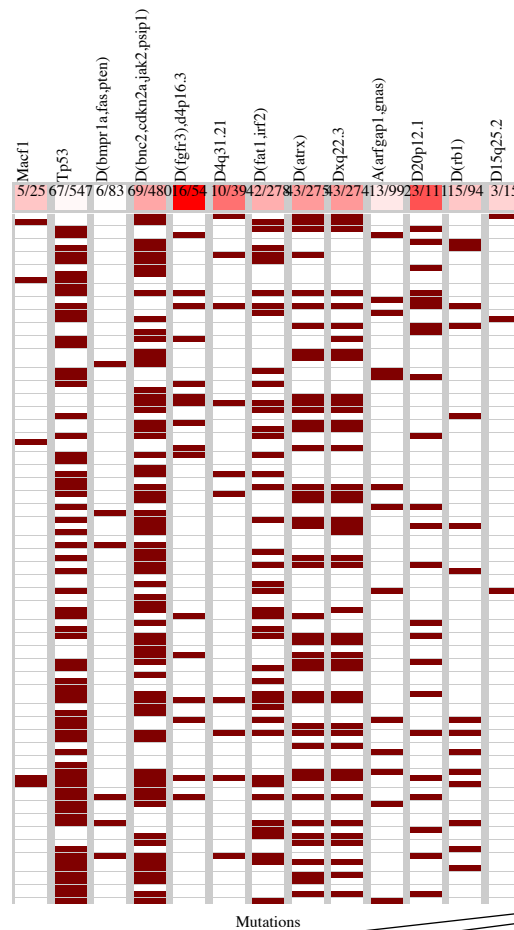
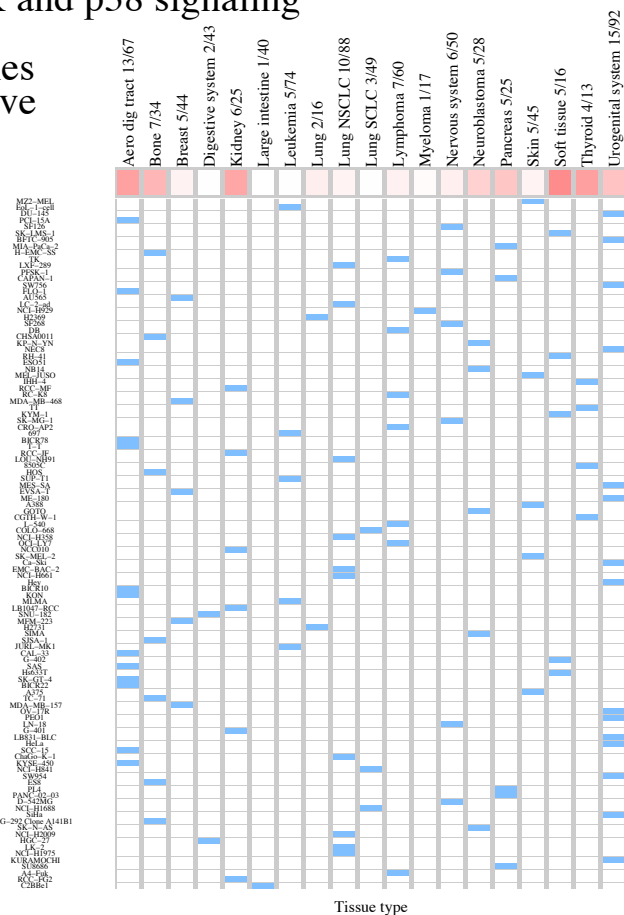
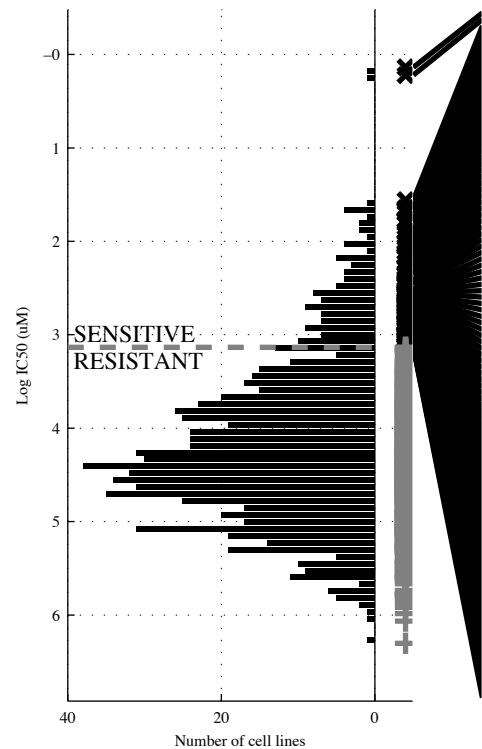
822 cell lines  
 85 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a(MYC)</b>	<b>a(MYC)&amp;-d3p14.</b>	<b>a(MYC)&amp;-d8p23.&amp;-d3p14.</b>	<b>a(RAD2)&amp;a(AKAP9)&amp;-d(ERC3)&amp;-d2q37.</b>	<b>MLL2   a(RAD2)</b>	<b>[ -ARAP3 &amp; a(MYC) ]   [ d19q13 &amp; IL-1-D ]</b>	<b>DDX3X   MLL2   a(RAD2)</b>	<b>DDX3X   a(RAD2)   d4q31.   IL-1-D</b>
TP   FP	23   127	19   87	19   78	10   37	32   135	24   126	35   141	28   124
Specificity	0.83	0.88	0.88	0.85	0.82	0.83	0.81	0.83
FN   TN	62   610	66   650	66   659	75   700	53   602	61   611	50   596	57   613
Precision	0.15	0.18	0.19	0.18	0.19	0.17	0.2	0.18
Recall	0.27	0.22	0.25	0.27	0.38	0.32	0.41	0.33

PANCAN  
 id: 1042 name: BIRB 0796  
 target: p38, JNK2 class: JNK and p38 signaling

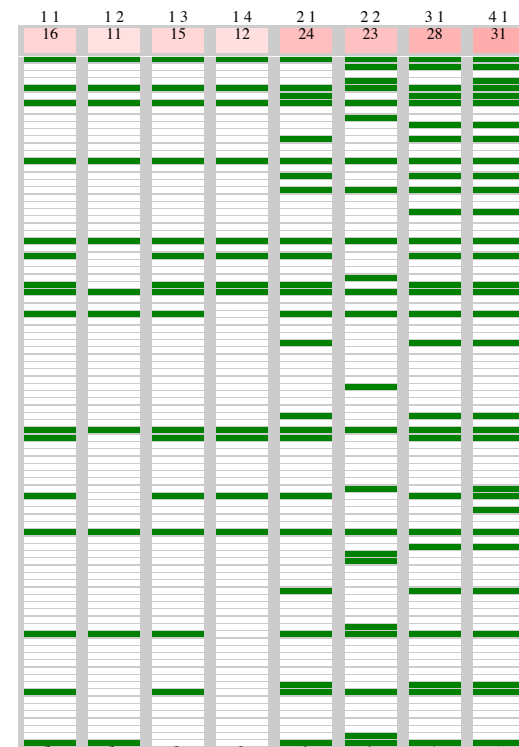
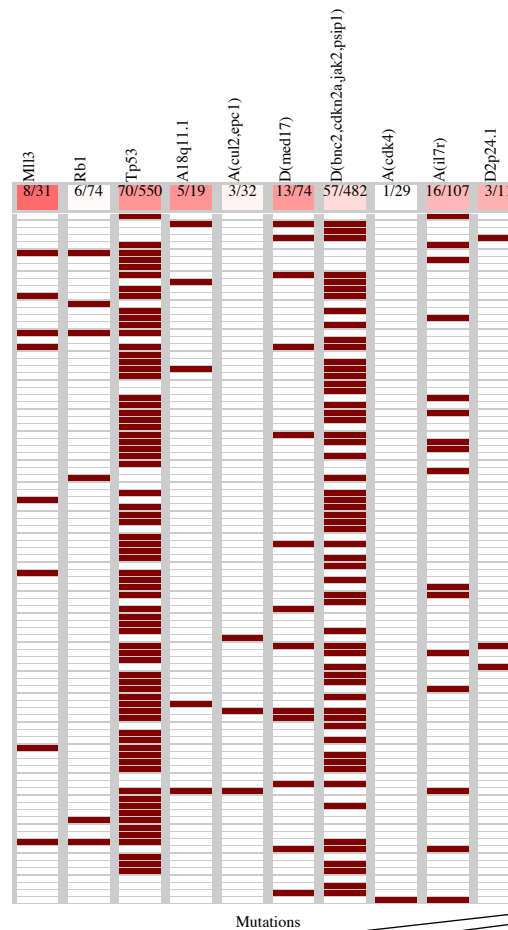
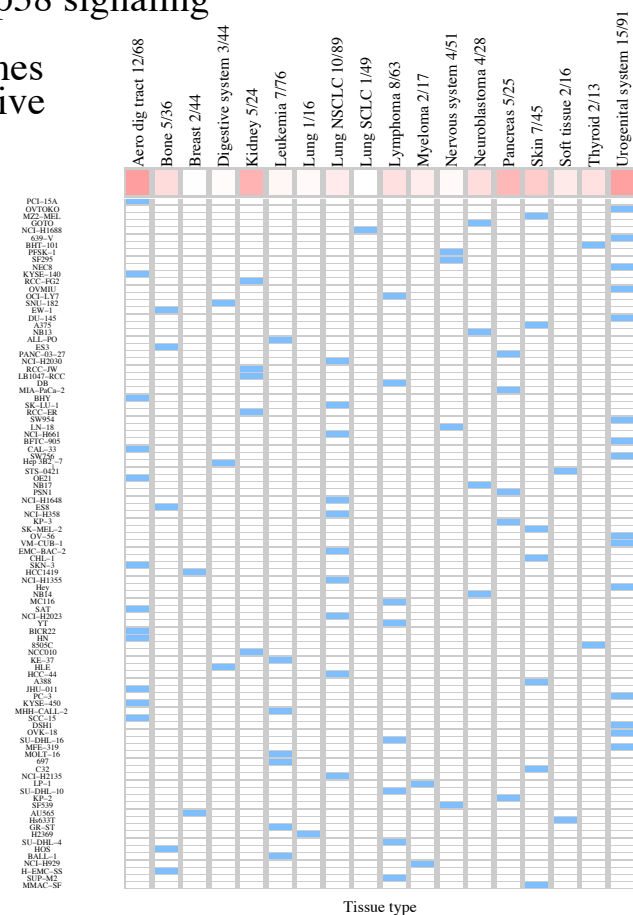
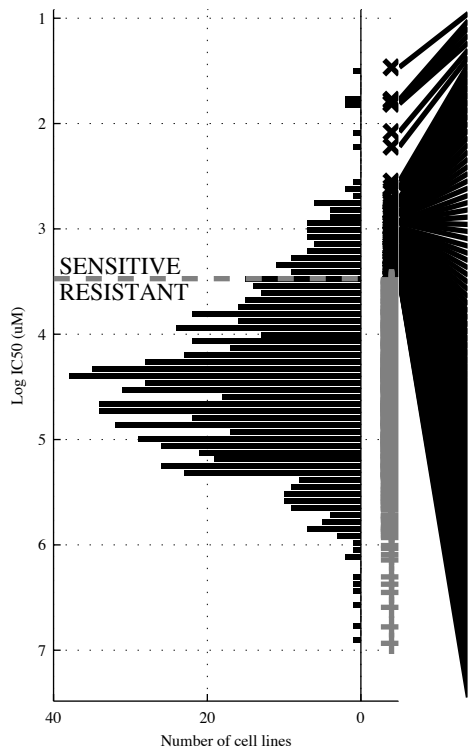
826 cell lines  
 107 sensitive



Model name	11	12	13	14	21	22	31	41
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d(FGFR)</b>	<b>d(BNC2&amp;dXq22.)</b>	<b>¬TP53 &amp;d(BNC2&amp;¬a(ARFG)</b>	<b>¬d(BMPIR&amp;d(BNC2&amp;dXq22.)&amp;¬d(RB1)</b>	<b>d(FGFR   d20p12)</b>	<b>[ d(FAT1&amp;d(ATRX)   [ ¬TP53 &amp;d20p12 ] ]</b>	<b>d(FGFR   d4q31.   d20p12)</b>	<b>MACF1   d(FGFR   d20p12   d15q25)</b>
TP   FP	16   38	35   140	31   137	31   93	35   120	30   110	39   133	42   140
Specificity	0.95	0.81	0.81	0.87	0.83	0.85	0.82	0.81
FN   TN	91   681	72   579	76   582	76   626	72   599	77   609	68   586	65   579
Precision	0.3	0.2	0.18	0.25	0.23	0.21	0.23	0.23
Recall	0.15	0.33	0.29	0.29	0.33	0.28	0.36	0.39

PANCAN  
 id: 1043 name: JNK Inhibitor VIII  
 target: JNK class: JNK and p38 signaling

834 cell lines  
 95 sensitive

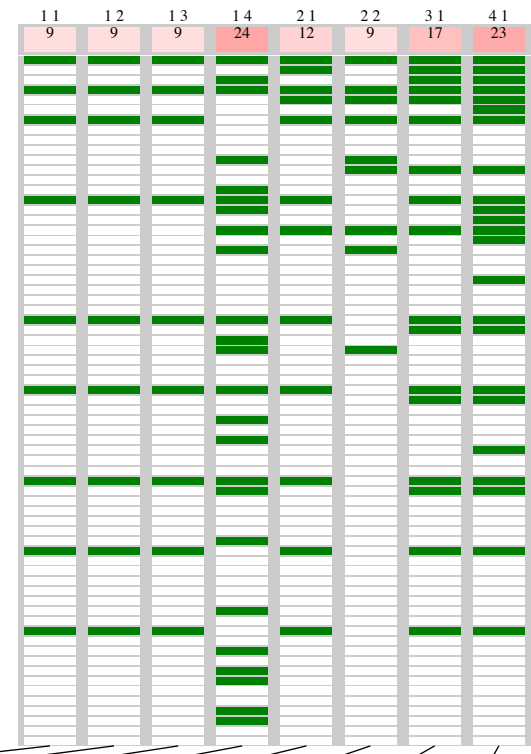
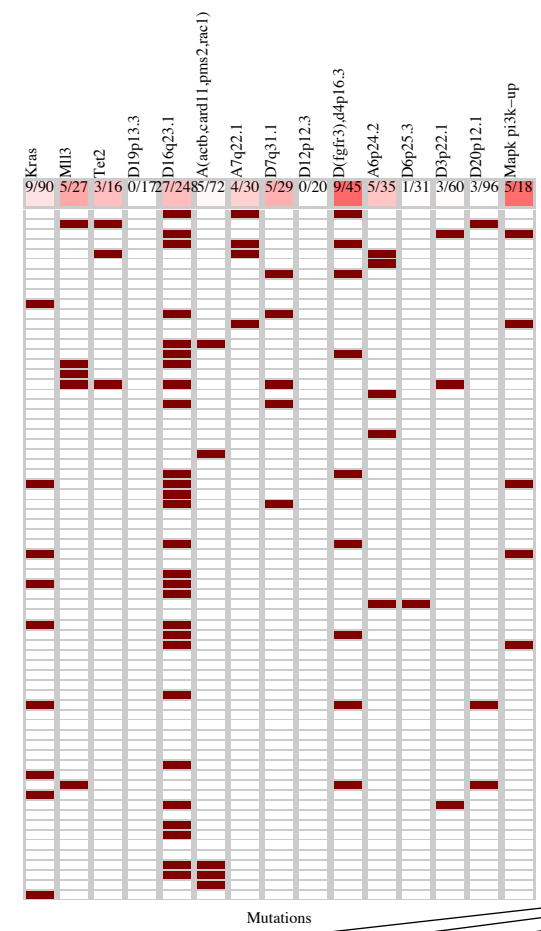
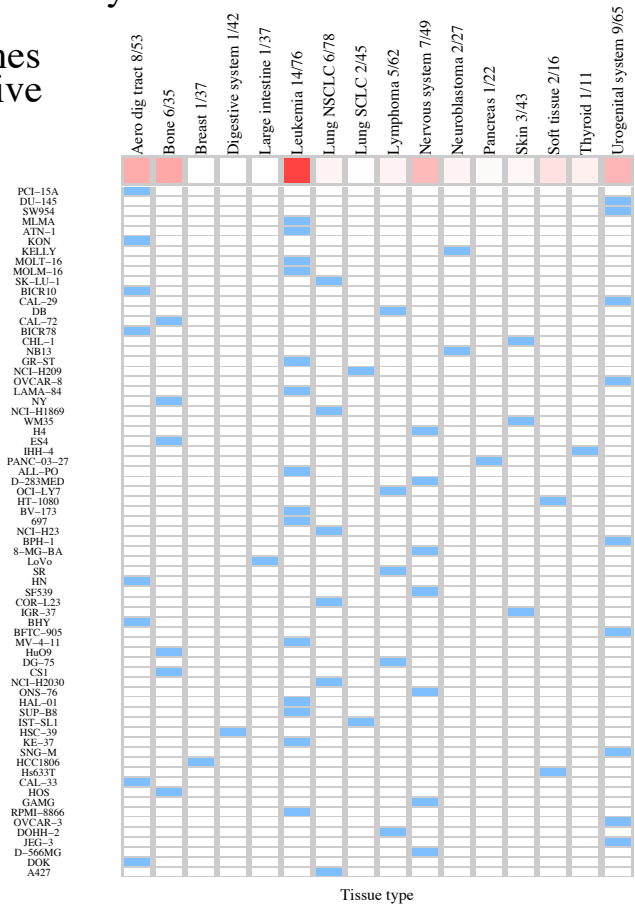
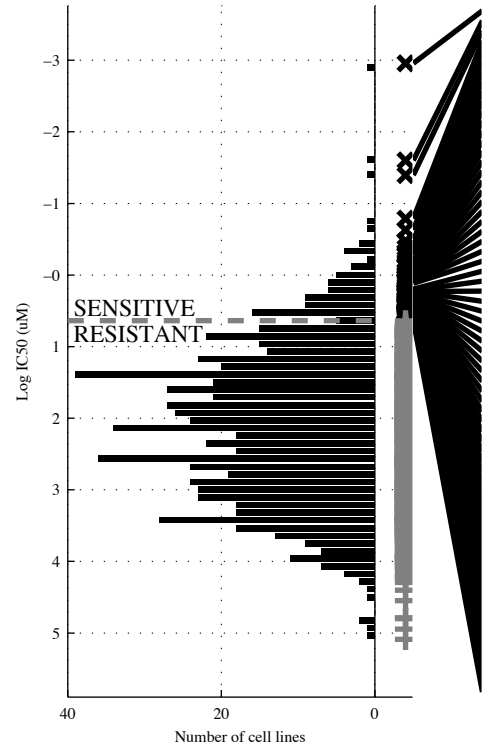


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a(IL7R)</b>	<b>¬d(BNC&amp;a(IL7R)</b>	<b>¬RB1 &amp;a(CDK&amp;a(IL7R)</b>	<b>¬RB1 &amp; TP53 &amp; ¬a(CUL&amp;a(IL7R)</b>	<b>MLL3   a(IL7R)</b>	<b>[¬d(BNC&amp;a(IL7R)   [d(MED)&amp;d(BNC2]</b>	<b>MLL3   a18q11   a(IL7R)</b>	<b>MLL3   a18q11   a(IL7R   d2p24.</b>
TP   FP	16   91	11   41	15   64	12   42	24   112	23   84	28   123	31   130
Specificity	0.88	0.94	0.9	0.89	0.85	0.9	0.83	0.82
FN   TN	79   648	84   698	80   675	83   697	71   627	72   655	67   616	64   609
Precision	0.15	0.21	0.18	0.19	0.18	0.23	0.19	0.19
Recall	0.17	0.12	0.16	0.18	0.25	0.24	0.29	0.33



PANCAN  
 id: 1046 name: 681640  
 target: WEE1, CHEK1 class: cell cycle

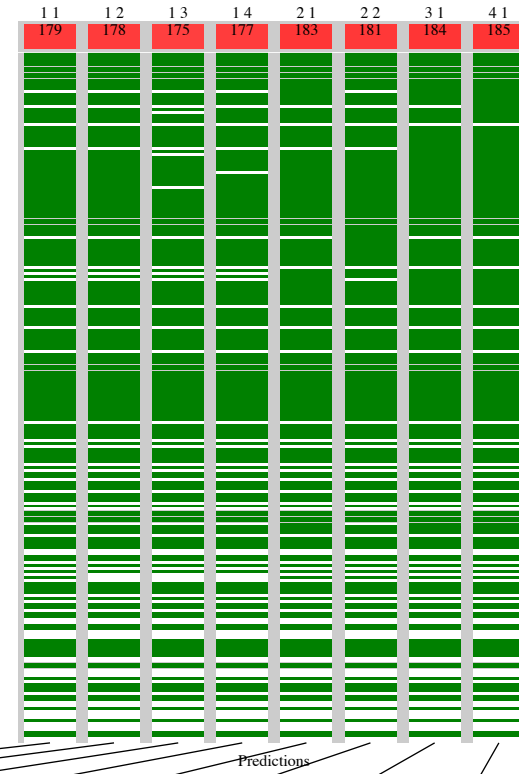
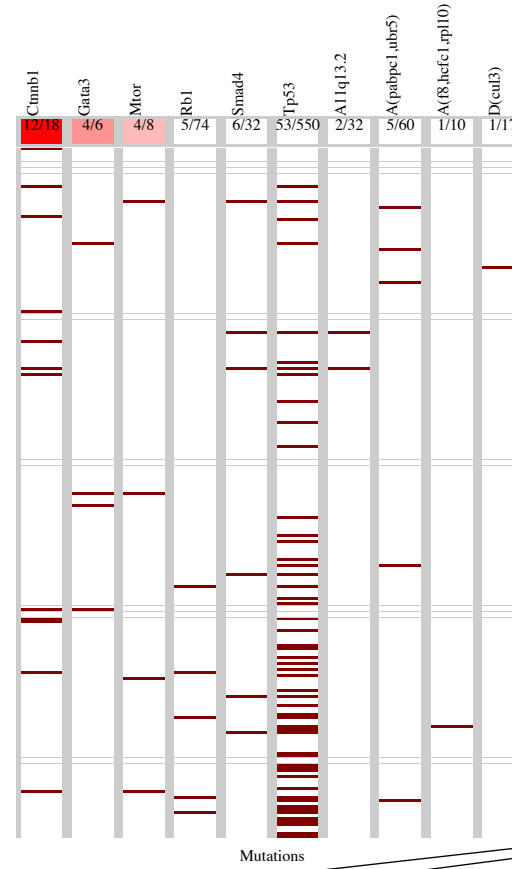
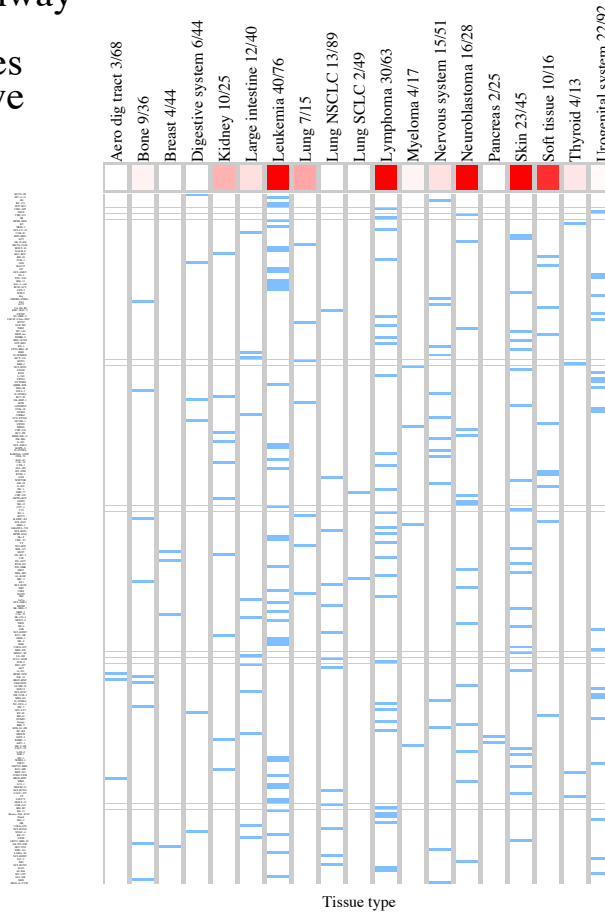
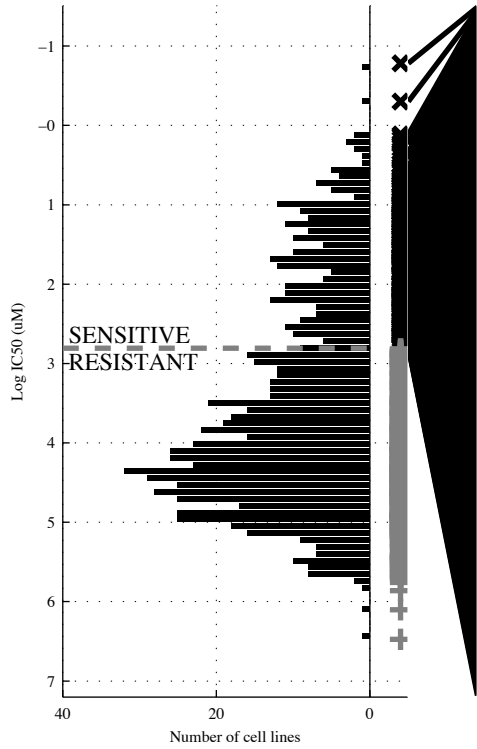
747 cell lines  
 69 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d(FGFR)</b>	<b>d(FGFR&amp;-d3p22.</b>	<b>d(FGFR&amp;-d6p25.&amp;-d3p22.</b>	<b>-KRAS&amp;d16q23.&amp;-d12p12.&amp;-d20p12</b>	<b>TET2  d(FGFR</b>	<b>[~a(ACT1&amp;a7q22.  </b>	<b>TET2  d(FGFR  </b>	<b>MLL3  d(FGFR  </b>
TP   FP Specificity	9   36 0.95	9   21 0.97	9   17 0.97	24   134 0.8	12   48 0.93	9   26 0.97	17   61 0.91	23   98 0.86
FN   TN Precision	60   642 0.2	60   657 0.3	60   661 0.35	45   544 0.15	57   630 0.2	60   652 0.28	52   617 0.22	46   580 0.19
Recall	0.13	0.13	0.13	0.35	0.17	0.12	0.25	0.33

PANCAN  
 id: 1047 name: Nutlin-3a  
 target: MDM2 class: p53 pathway

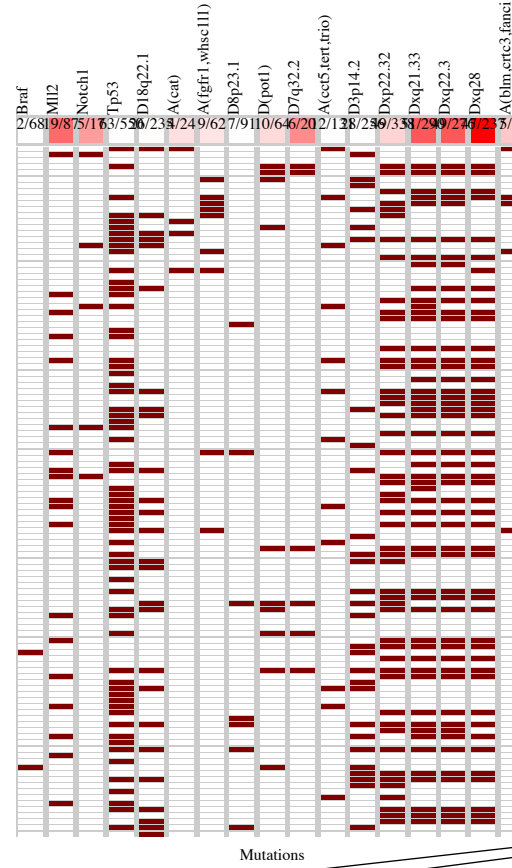
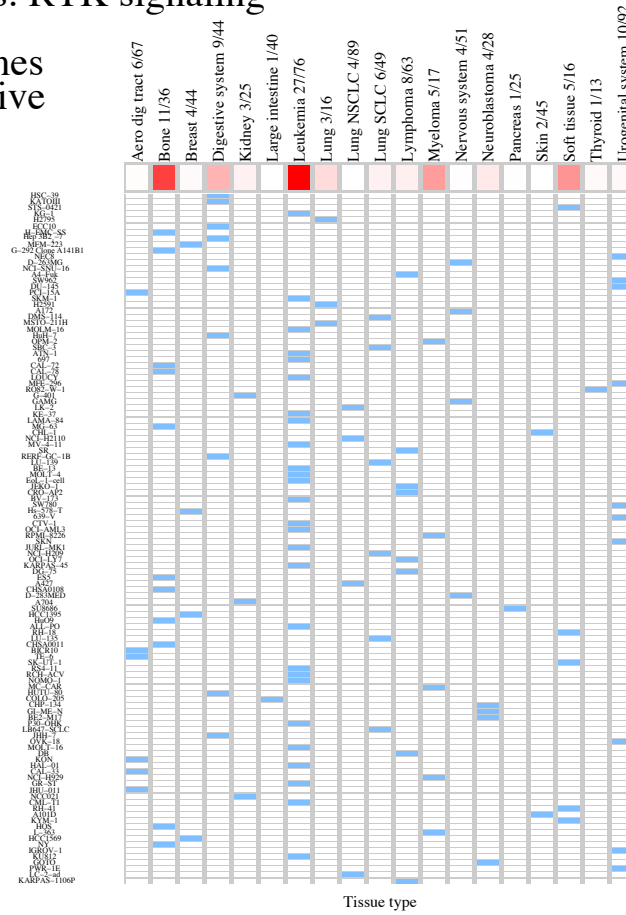
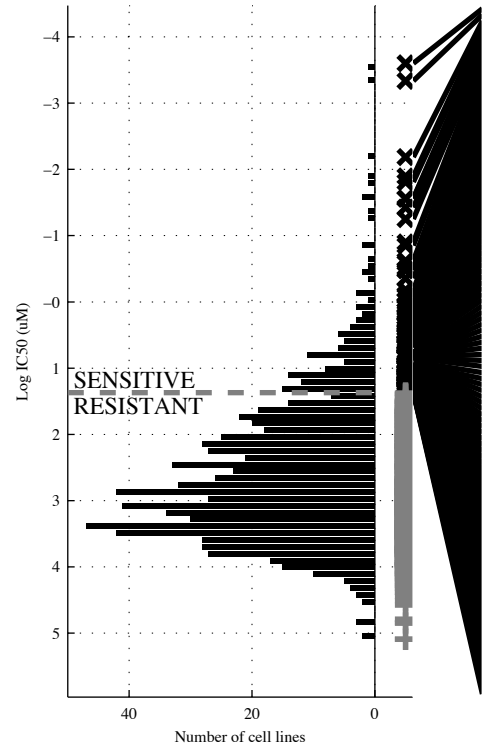
836 cell lines  
 232 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>-TP53</b>	<b>-RB1 &amp; -TP53</b>	<b>-RB1 &amp; -TP53 &amp; -a(PABP</b>	<b>-RB1 &amp; -TP53 &amp; -a(F8,H&amp;d(CUL3</b>	<b>CTNNB1   -TP53</b>	<b>[ SMAD4&amp;a11q13 ]   [ -TP53 &amp;-a(F8,H]</b>	<b>CTNNB1   GATA3   -TP53</b>	<b>CTNNB1   GATA3   MTOR   -TP53</b>
TP   FP	179   107	178   98	175   86	177   86	183   111	181   102	184   113	185   116
FN   TN	53   497	54   506	57   518	55   518	49   493	51   502	48   491	47   488
Specificity	0.82	0.84	0.85	0.86	0.82	0.83	0.81	0.81
Precision	0.63	0.64	0.66	0.67	0.62	0.64	0.62	0.62
Recall	0.77	0.77	0.76	0.76	0.79	0.78	0.79	0.8

PANCAN  
 id: 1049 name: PD-173074  
 target: FGFR1, FGFR3 class: RTK signaling

836 cell lines  
 114 sensitive

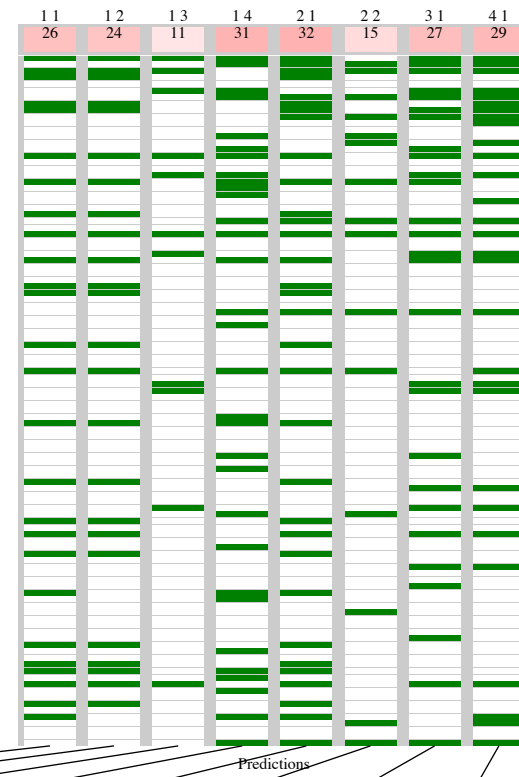
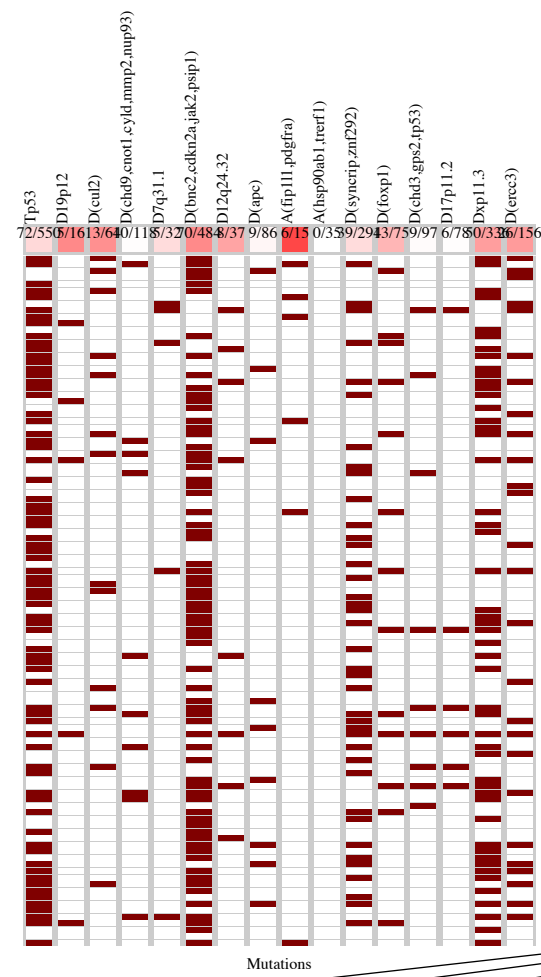
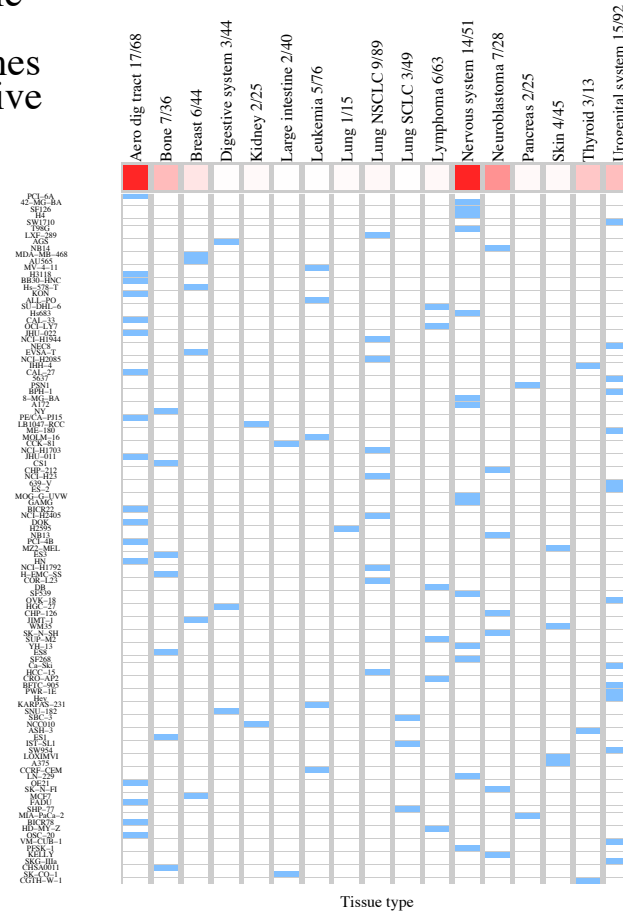
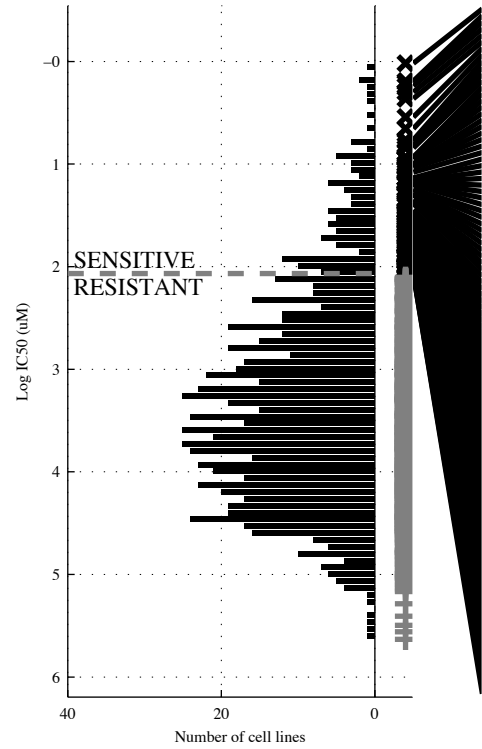


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a(BLM,</b>	<b>-d3p14.&amp; dXq28</b>	<b>-d8p23.&amp;-d3p14.&amp; dXq21.</b>	<b>-BRAF&amp; -TP53 &amp; -d18q22.&amp;a(CCT5</b>	<b>NOTCH1   a(BLM,</b>	<b>[NOTCH1&amp;-dXp22.]   [ -d3p14.&amp; dXq22. ]</b>	<b>MLL2   d(POT1   a(BLM,</b>	<b>NOTCH1   a(CAT)   a(FGFR   d7q32.</b>
TP   FP	5   19	36   109	39   121	45   137	10   31	42   138	34   131	23   94
FN   TN	109   703	78   613	75   601	69   585	104   691	72   584	80   591	91   628
Specificity	0.97	0.85	0.83	0.81	0.96	0.81	0.82	0.87
Precision	0.21	0.25	0.24	0.24	0.24	0.23	0.21	0.2
Recall	0.044	0.32	0.34	0.37	0.088	0.36	0.3	0.2



PANCAN  
 id: 1052 name: RO-3306  
 target: CDK1 class: cell cycle

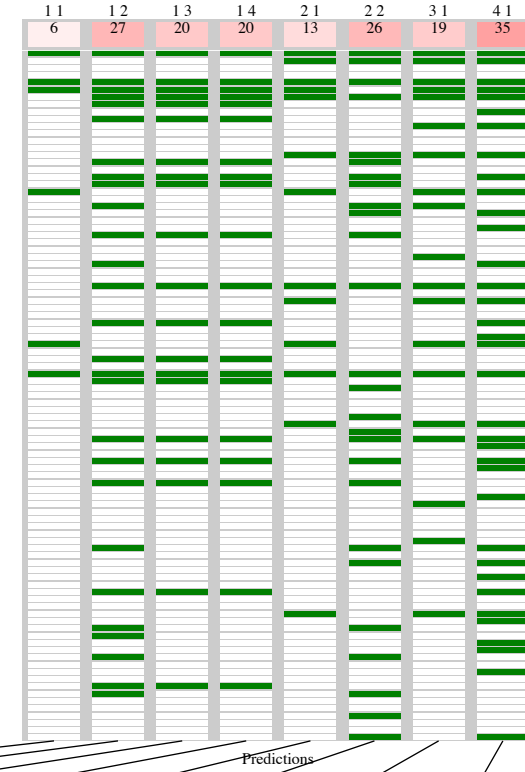
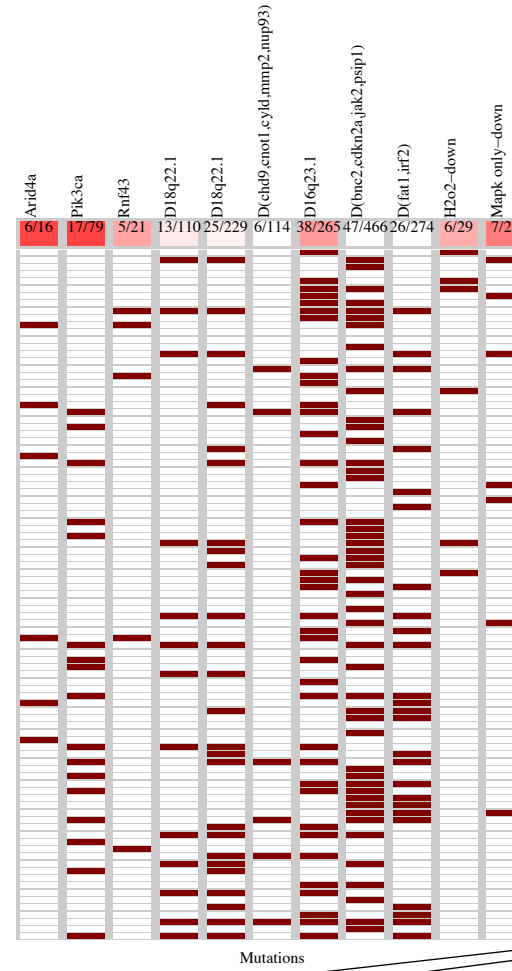
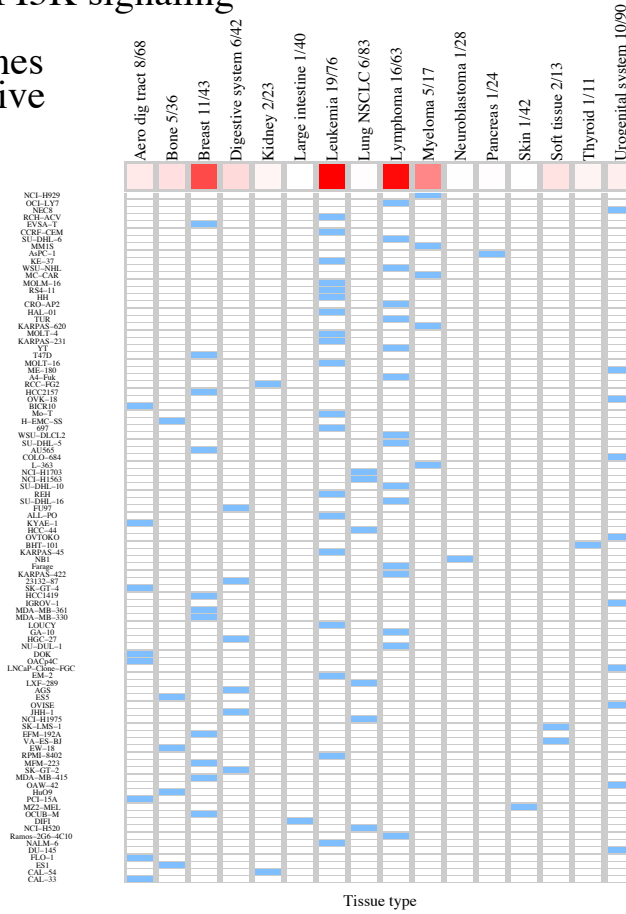
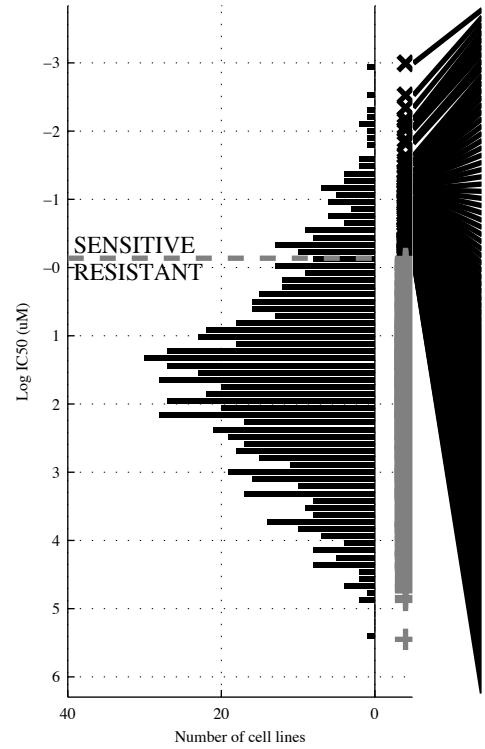
836 cell lines  
 106 sensitive



Model name	11	12	13	14	21	22	31	41
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d(ERCC)</b>	<b>¬d(CHD3) &amp; d(ERCC)</b>	<b>d(CUL2) &amp; d(BNC2) &amp; ¬d(SYNERIP)</b>	<b>TP53 &amp; ¬d(APC) &amp; ¬d17p11 &amp; dXp11.</b>	<b>a(FIP1)   d(ERCC)</b>	<b>[ d(FOXP2) &amp; d(CHD3) ]   [ a(FIP1) &amp; ¬a(HSP9) ]</b>	<b>d(CUL2)   d12q24   a(FIP1)</b>	<b>d19p12   d(CUL2)   d7q31.   a(FIP1)</b>
TP   FP	26   130	24   111	11   17	31   119	32   138	15   40	27   83	29   91
FN   TN	80   600	82   619	95   713	75   611	74   592	91   690	79   647	77   639
Specificity	0.82	0.85	0.95	0.85	0.81	0.95	0.89	0.88
Precision	0.17	0.18	0.33	0.21	0.19	0.3	0.25	0.24
Recall	0.25	0.23	0.15	0.26	0.3	0.13	0.25	0.27

PANCAN  
 id: 1053 name: MK-2206  
 target: AKT1, AKT2 class: PI3K signaling

812 cell lines  
 95 sensitive

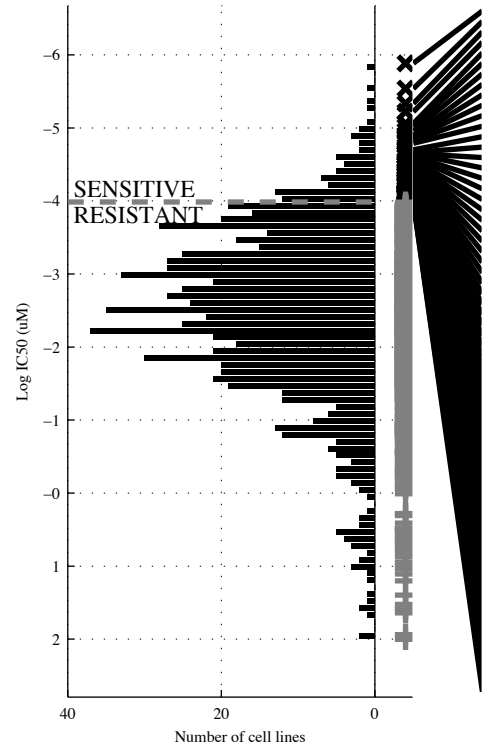


Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
M																
Logic formula	<b>H2O2-D</b>		<b>d16q23 &amp; -d(FAT1)</b>		<b>-d18q22 &amp; d16q23 &amp; -d(FAT1)</b>		<b>-d18q22 &amp; d(CHD8) &amp; d16q23 &amp; -d(FAT1)</b>		<b>H2O2-D   MAPK o</b>		<b>[ d18q22 &amp; MAPK o ]   [ d16q23 &amp; d(BNC2) ]</b>		<b>ARID4A   H2O2-D   MAPK o</b>		<b>PIK3CA   RNF43   H2O2-D   MAPK o</b>	
TP   FP	6   23	27   139	20   102	20   86	13   43	26   98	19   52	35   107	6   23	27   139	20   102	20   86	13   43	26   98	19   52	35   107
Specificity	0.97	0.81	0.86	0.87	0.94	0.86	0.93	0.85	0.97	0.81	0.86	0.86	0.93	0.86	0.85	0.85
FN   TN	89   694	68   578	75   615	75   631	82   674	69   619	76   665	60   610	6   23	27   139	20   102	20   86	13   43	26   98	19   52	35   107
Precision	0.21	0.16	0.16	0.19	0.23	0.21	0.27	0.25	0.21	0.16	0.21	0.27	0.25	0.21	0.25	0.25
Recall	0.063	0.28	0.21	0.23	0.14	0.27	0.2	0.37	0.063	0.28	0.21	0.28	0.21	0.27	0.37	0.37

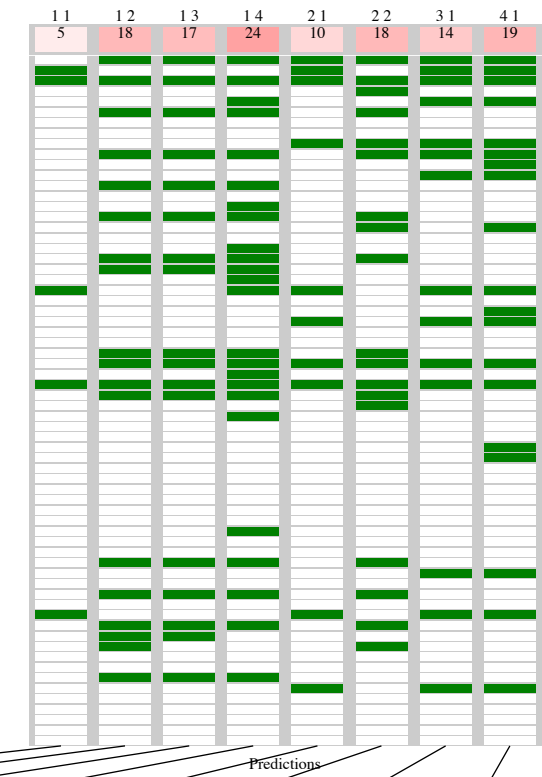
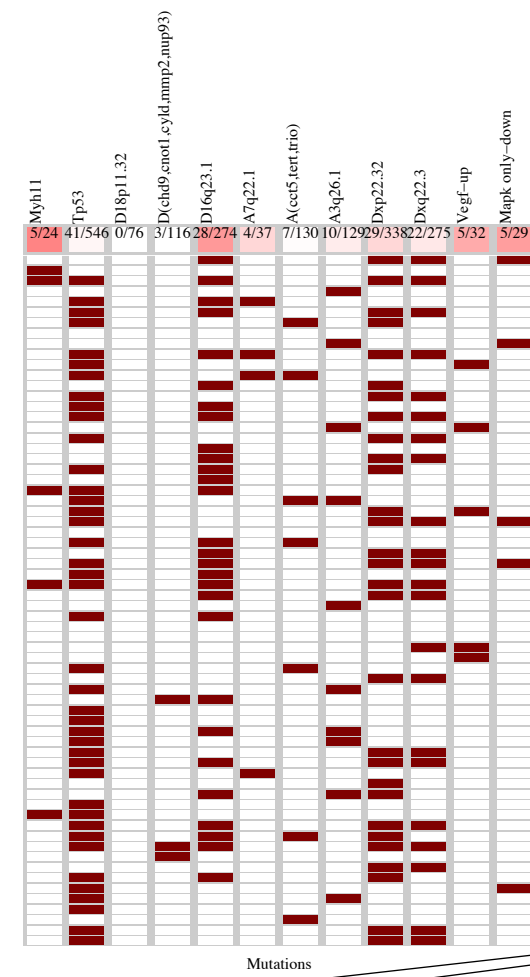
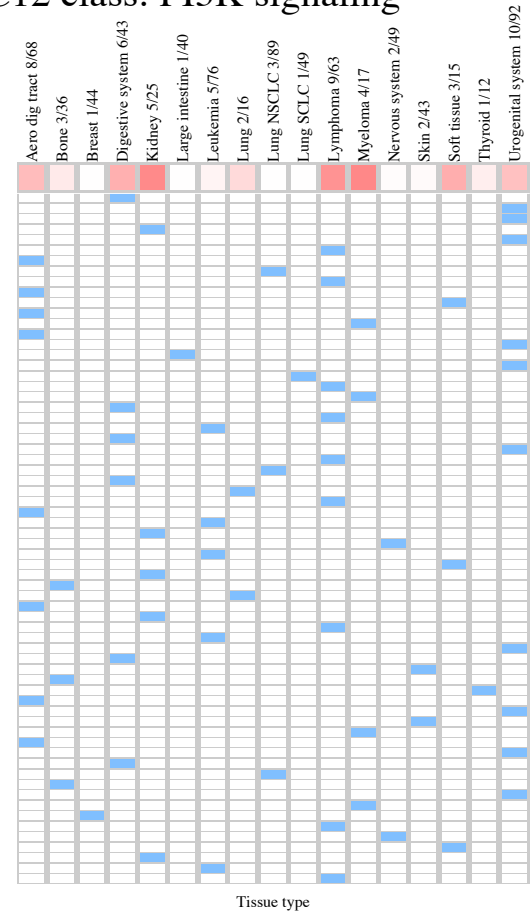


PANCAN  
 id: 1057 name: NVP-BEZ235  
 target: PI3K (Class 1) and MTORC12 class: PI3K signaling

829 cell lines  
 66 sensitive



HUTU-80  
 TOV-21G  
 MCF-31G  
 RCC-JW  
 PC-9  
 Ramos-295-4C10  
 HN  
 EMC-BAC-2  
 SU-DHL-5  
 OE21  
 Hs53T  
 OSC-19  
 L-363  
 K562  
 OV-90  
 HCT-15  
 L-Hc139  
 CRO-AP2  
 NCI-H929  
 SK-GT-2  
 H1236  
 CCRF-CEM  
 ETK-1  
 ETK-m1  
 OCT-LY7  
 A549  
 MKN1  
 HEP2  
 SU-DHL-6  
 PCL-4B  
 MHH-PREB-1  
 RCC-AB  
 H4  
 BE-13  
 MFH-imp  
 RCC-JF  
 MG-63  
 H290  
 EC-G1-10  
 RCC-MF  
 GA-10  
 RPMI-8866  
 SW962  
 NUGC-3  
 CHL-1  
 ES5  
 CGTH-W-1  
 CAL-33  
 CAL-29  
 LOXIMVI  
 MMIS  
 JHU-011  
 OVK-18  
 EHL  
 HCC-44  
 EW-16  
 BPH-1  
 MC-CAR  
 JIMT-1  
 Fergie  
 MOG-G<sup>2</sup>UVW  
 RH-41  
 OS-KC-2  
 U-698-M  
 SU-DHL-10

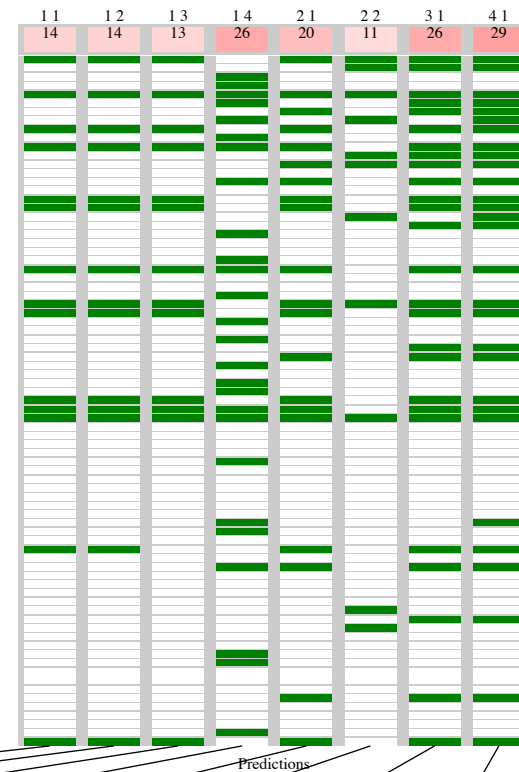
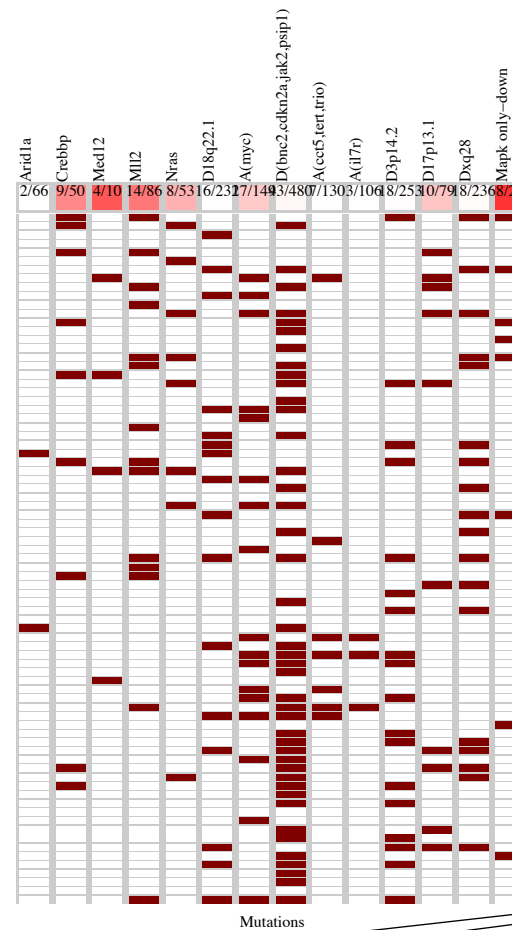
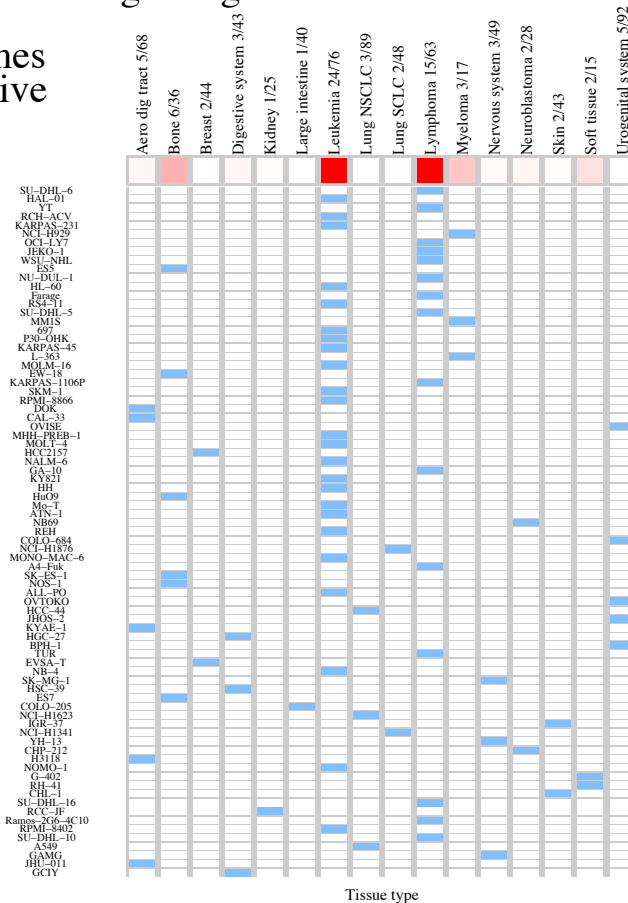
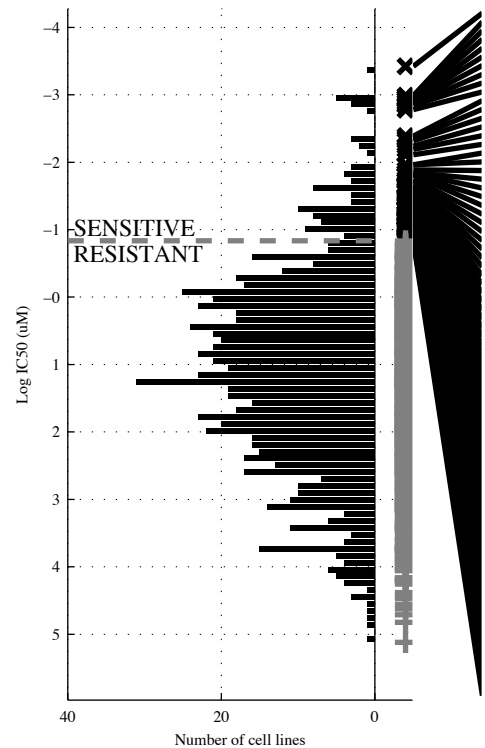


Model name	11	12	13	14	21	22	31	41
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	MYH11	d16q23 & dXp22.	~d(CHD8 & d16q23 & dXp22.	~d18p11 & d(CHD8 & d16q23 & a(CCT5	MYH11   MAPK o	[ ~TP53 & a3q26. ]   [ d16q23 & dXp22. ]	MYH11   a7q22.     MAPK o	MYH11   a7q22.     VEGF-UIMAPK o
TP   FP	5   19	18   106	17   79	24   149	10   41	18   126	14   72	19   95
Specificity	0.98	0.86	0.9	0.85	0.95	0.85	0.91	0.88
FN   TN	61   744	48   657	49   684	42   614	56   722	48   637	52   691	47   668
Precision	0.21	0.15	0.18	0.16	0.2	0.13	0.16	0.17
Recall	0.076	0.27	0.26	0.31	0.15	0.25	0.21	0.29



PANCAN  
id: 1058 name: GDC0941  
target: PI3K (class 1) class: PI3K signaling

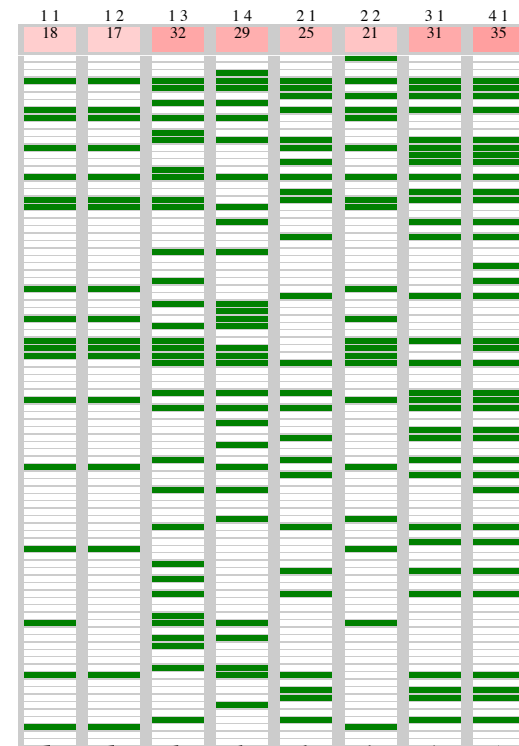
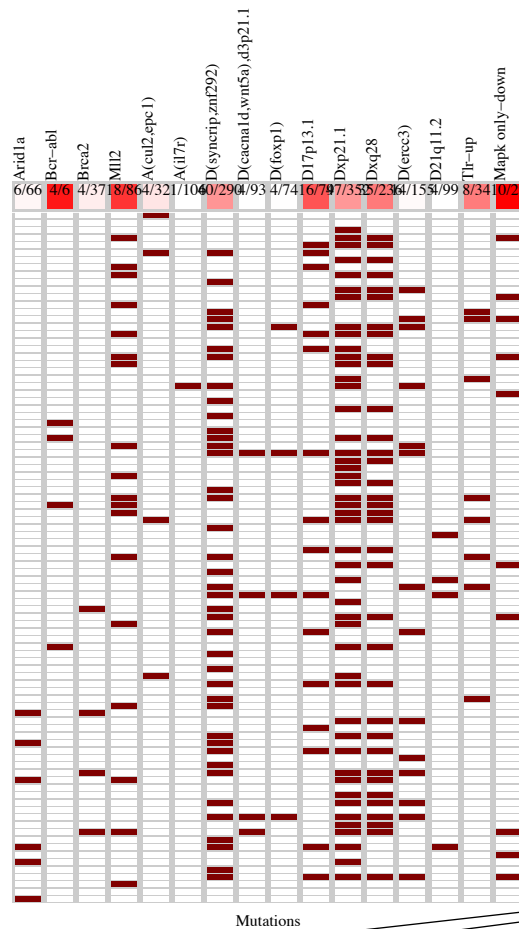
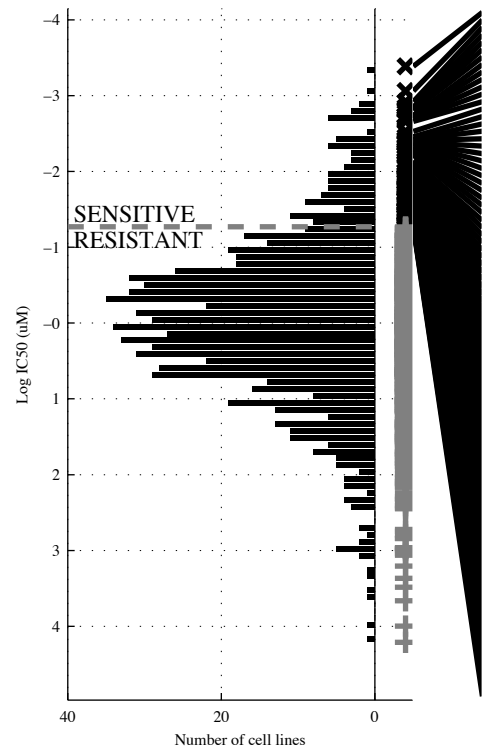
828 cell lines  
79 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MLL2</b>	<b>-ARID1&amp; MLL2</b>	<b>-ARID1&amp; MLL2 &amp; -a(CCT5</b>	<b>-d(BNC&amp;-a(IL7R&amp; -d3p14.&amp;-dXq28</b>	<b>MLL2  MAPK o</b>	<b>[CREBBP&amp;-d18q22]   [ a(MYC)&amp;d17p13 ]</b>	<b>MLL2   NRAS   MAPK o</b>	<b>MED12   MLL2   NRAS  MAPK o</b>
TP   FP	14   72	14   51	13   39	26   127	20   92	11   34	26   131	29   137
Specificity	0.9	0.93	0.95	0.83	0.88	0.97	0.83	0.81
FN   TN	65   677	65   698	66   710	53   622	59   657	68   715	53   618	50   612
Precision	0.16	0.22	0.25	0.17	0.18	0.35	0.17	0.18
Recall	0.18	0.18	0.16	0.33	0.25	0.12	0.33	0.39

PANCAN  
 id: 1059 name: AZD8055  
 target: MTORC12 class: TOR signaling

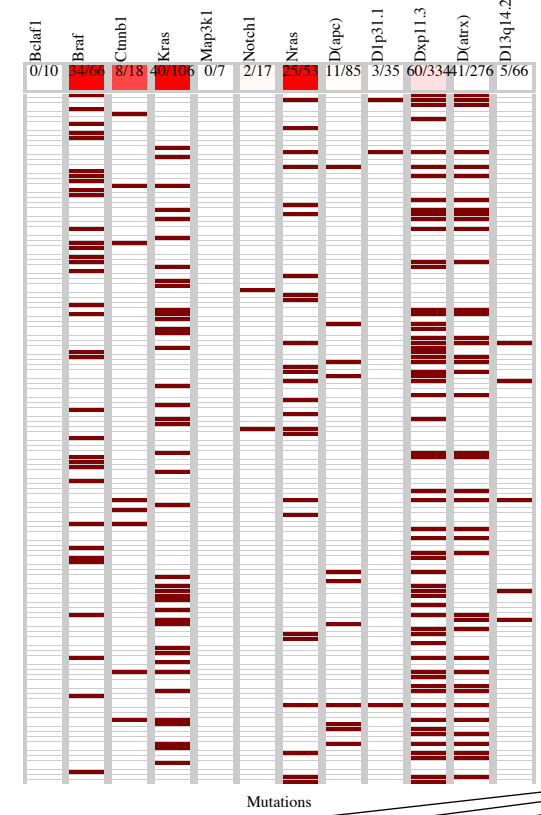
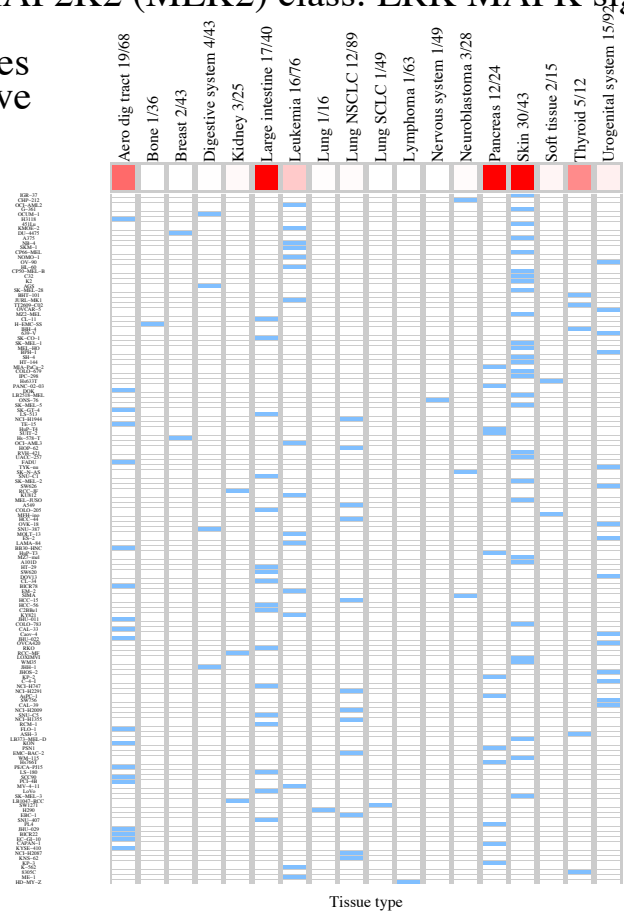
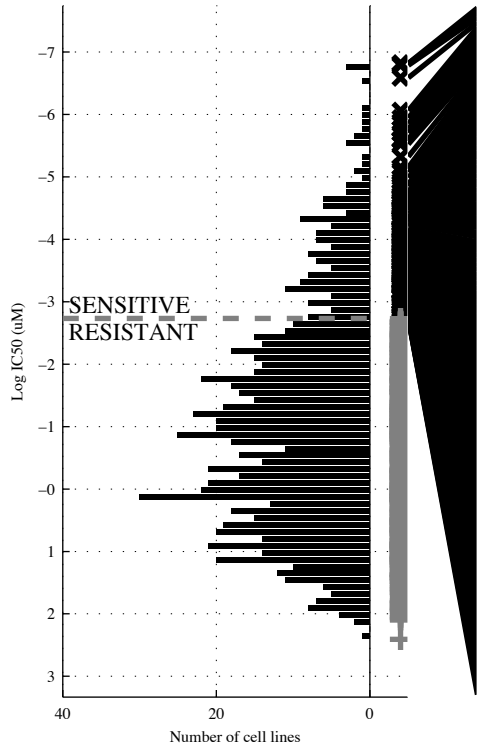
828 cell lines  
 93 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MLL2</b>	<b>-ARID1&amp; MLL2</b>	<b>-d(CAC&amp; dXq28 &amp; -d21q11</b>	<b>-d(SYN&amp;d(FOX&amp; dXp21.&amp;d(ERCC</b>	<b>d17p13  MAPK o</b>	<b>[ a(CUL2&amp;-a(IL7R)  </b>	<b>d17p13  TLR-UP </b>	<b>BCR-ABI d17p13  </b>
						<b>[ -BRCA&amp; MLL2 ]</b>	<b>MAPK o</b>	<b>TLR-UP MAPK o</b>
TP   FP	18   68	17   48	32   128	29   126	25   78	21   67	31   95	35   97
Specificity	0.91	0.93	0.83	0.83	0.89	0.91	0.87	0.87
FN   TN	75   667	76   687	61   607	64   609	68   657	72   668	62   640	58   638
Precision	0.21	0.26	0.2	0.2	0.24	0.25	0.25	0.27
Recall	0.19	0.18	0.34	0.33	0.27	0.23	0.33	0.38

PANCAN  
 id: 1060 name: PD-0325901  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

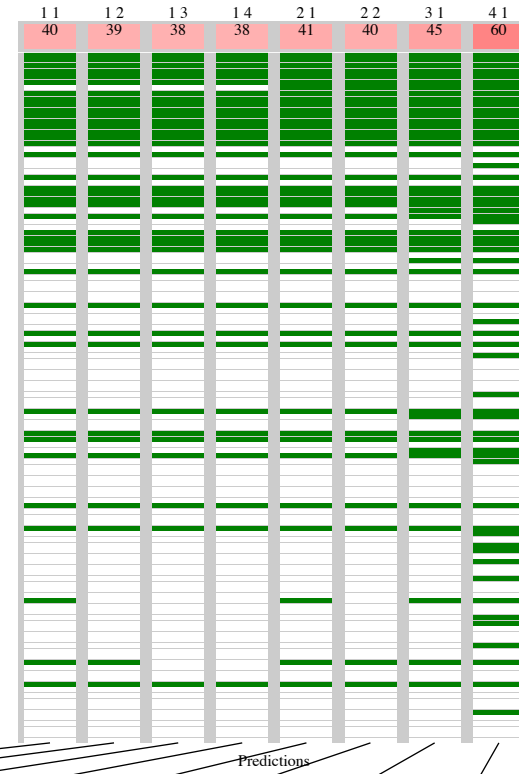
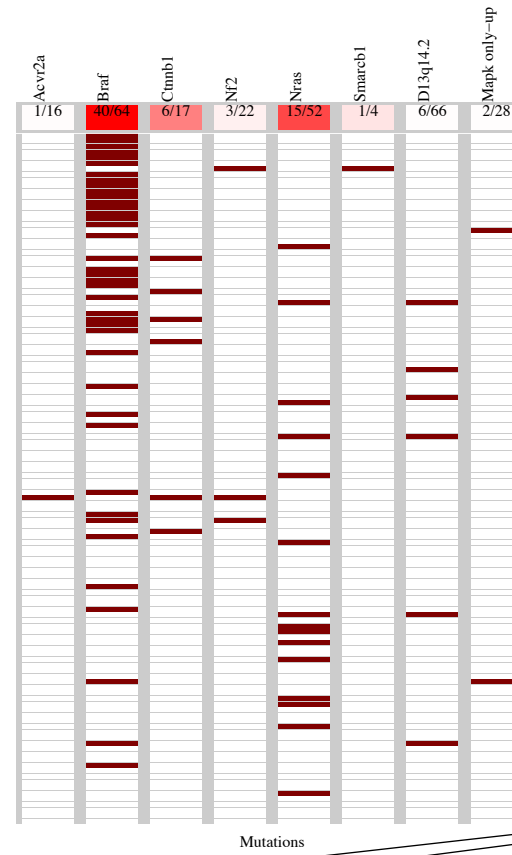
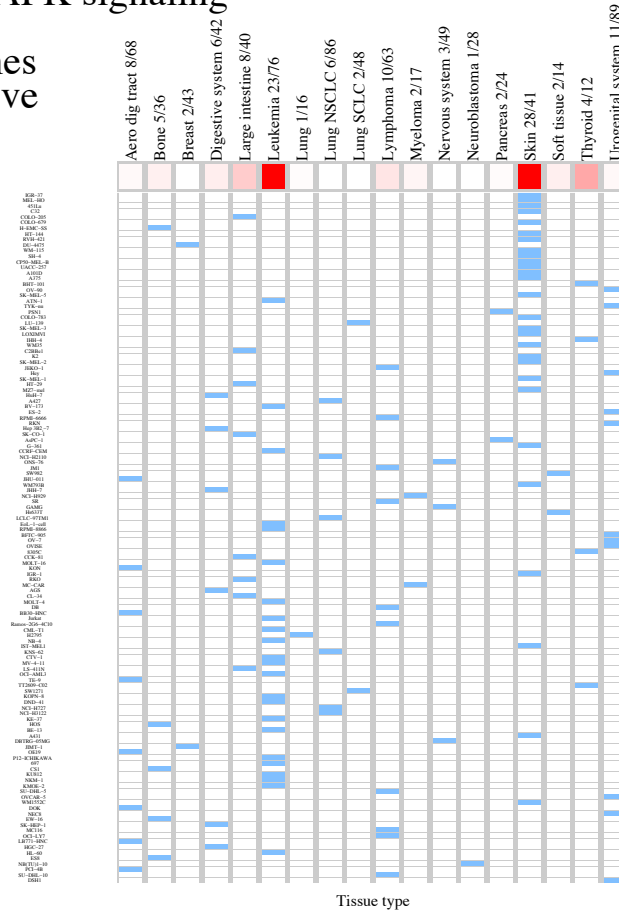
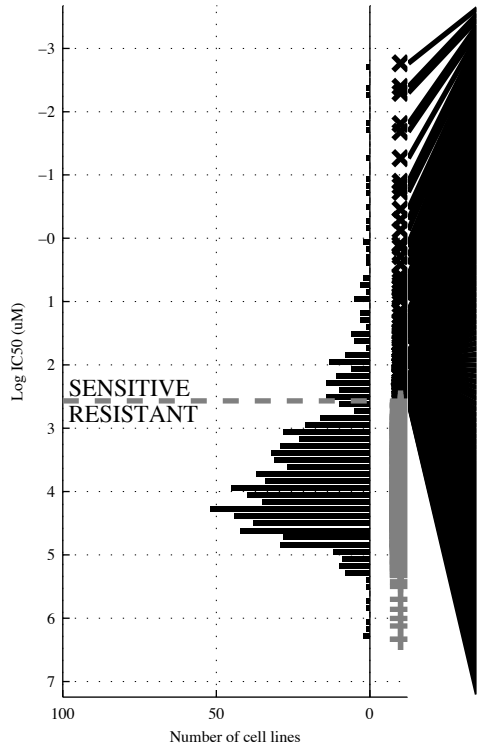
828 cell lines  
 145 sensitive



Model name	11	12	13	14	21	22	31	41
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>BRAF</b>	<b>BRAF &amp; MAP3K1</b>	<b>BRAF &amp; -d(APC&amp;</b> <b>-d13q14</b>	<b>BRAF &amp; NOTCH1</b> <b>-d(APC&amp;-d1p31.</b>	<b>BRAF   NRAS</b>	<b>[BCLAF&amp; BRAF ]</b> <b> </b> <b>[ dXp11.&amp;d(ATRX]</b>	<b>BRAF   KRAS  </b> <b>NRAS</b>	<b>BRAF   CTNNB1</b> <b>KRAS   NRAS</b>
TP   FP	34   32	34   31	34   26	34   27	59   60	52   91	98   122	100   128
Specificity	0.95	0.96	0.96	0.96	0.91	0.93	0.82	0.81
FN   TN	111   651	111   652	111   657	111   656	86   623	93   592	47   561	45   555
Precision	0.52	0.54	0.57	0.58	0.5	0.5	0.45	0.44
Recall	0.23	0.23	0.23	0.23	0.41	0.3	0.68	0.69

PANCAN  
 id: 1061 name: SB590885  
 target: BRAF class: ERK MAPK signaling

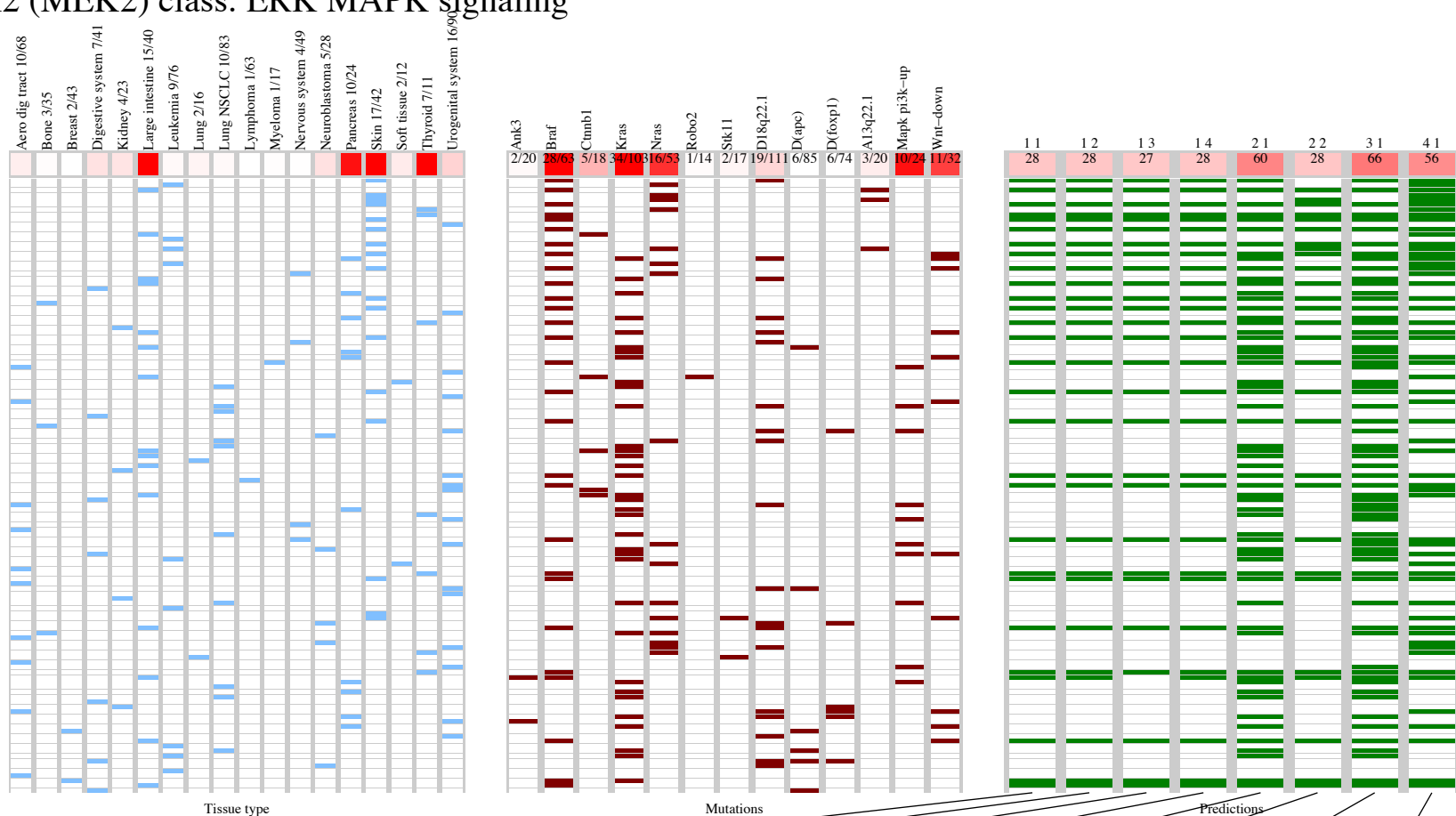
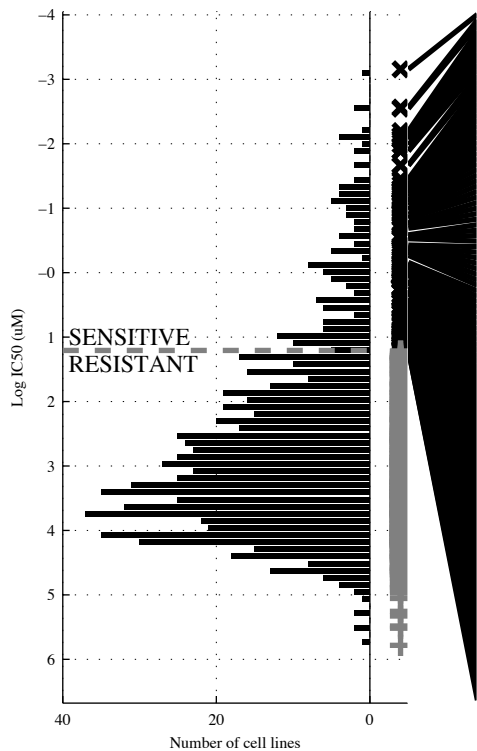
816 cell lines  
 124 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>BRAF</b>	<b>BRAF &amp; MAPK o</b>	<b>BRAF &amp; ~d13q14&amp;</b> <b>~MAPK o</b>	<b>~ACVR2&amp; BRAF &amp;</b> <b>~d13q14&amp;MAPK o</b>	<b>BRAF SMARCB</b>	<b>[ BRAF &amp; MAPK q</b> <b> </b> <b>[ NF2 &amp; SMARCB]</b>	<b>BRAF   CTNNB1 </b> <b>SMARCB</b>	<b>BRAF   CTNNB1 </b> <b>NRAS SMARCB</b>
Specificity	40   24	39   21	38   18	38   16	41   27	40   21	45   37	60   73
Precision	84   668	85   671	86   674	86   676	83   665	84   671	79   655	64   619
Recall	0.97	0.97	0.97	0.98	0.96	0.97	0.95	0.89
	0.63	0.65	0.68	0.7	0.6	0.66	0.55	0.45
	0.32	0.31	0.31	0.31	0.33	0.32	0.36	0.48

PANCAN  
 id: 1062 name: AZD6244  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

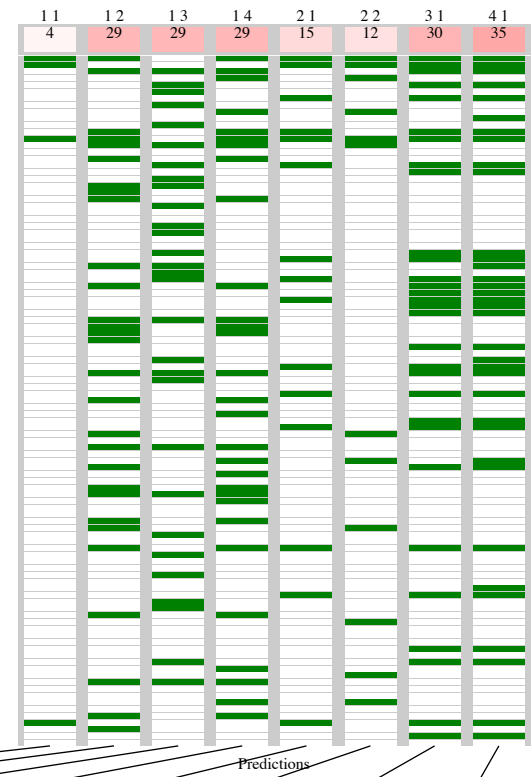
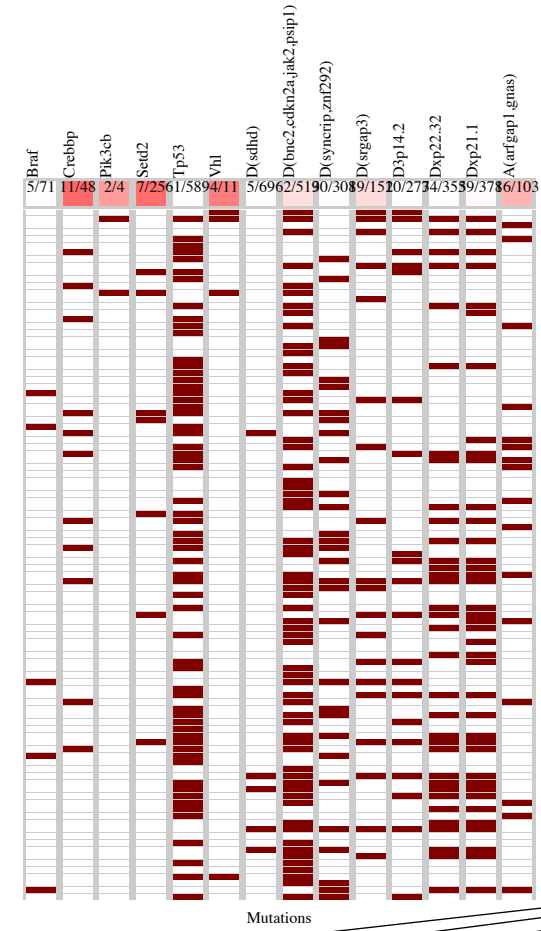
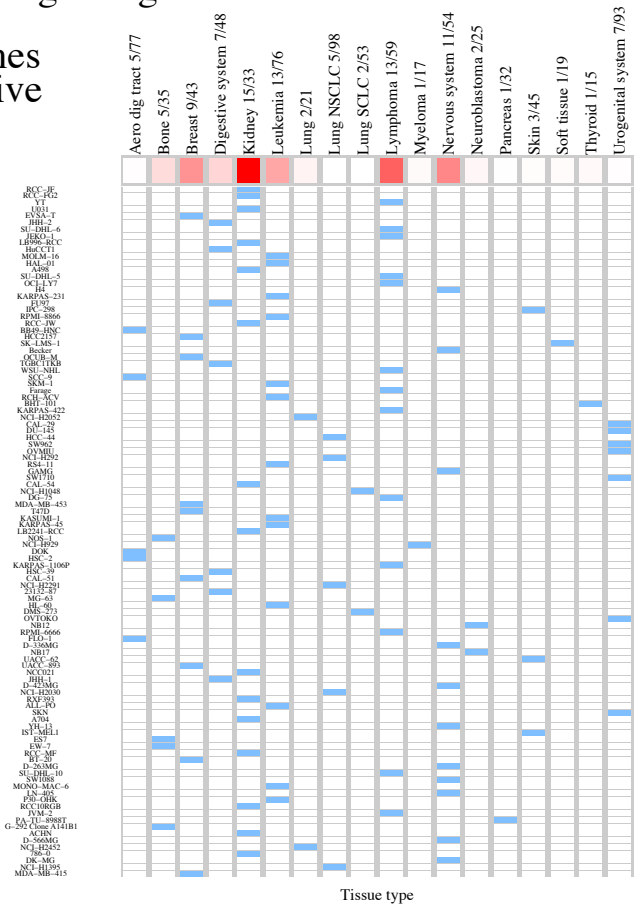
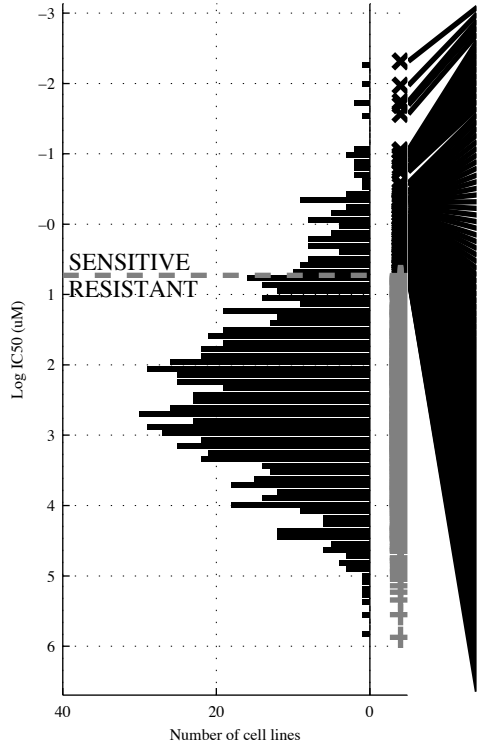
810 cell lines  
 125 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
M																
Logic formula	<b>BRAF</b>		<b>BRAF &amp; ROBO2</b>		<b>¬ANK3 &amp; BRAF &amp; ¬d(APC)</b>		<b>BRAF &amp; ROBO2 &amp; ¬STK11 &amp; d(FOXP)</b>		<b>BRAF   KRAS</b>		<b>[ NRAS &amp; a13q22 ]   [ BRAF &amp; ¬d18q22 ]</b>		<b>BRAF   KRAS   MAPK P</b>		<b>BRAF   CTNNB1   NRAS   Wnt-DO</b>	
TP   FP	28   35	28   32	27   30	28   25	60   103	28   33	66   111	56   100	65   582	28   33	66   111	66   111	56   100	69   585	69   585	69   585
Specificity	0.95	0.95	0.96	0.96	0.85	0.94	0.84	0.83	0.48	0.47	0.47	0.47	0.47	0.37	0.37	0.37
Precision	0.44	0.47	0.48	0.53	0.37	0.47	0.37	0.37	0.48	0.28	0.28	0.37	0.37	0.53	0.53	0.53
Recall	0.22	0.22	0.22	0.22	0.48	0.28	0.53	0.28	0.48	0.28	0.28	0.53	0.53	0.53	0.53	0.53
FN   TN	97   650	97   653	98   655	97   660	65   582	97   652	59   574	69   585	65   582	97   652	59   574	59   574	59   574	69   585	69   585	69   585

PANCAN  
 id: 1066 name: AZD6482  
 target: PI3Kbeta class: PI3K signaling

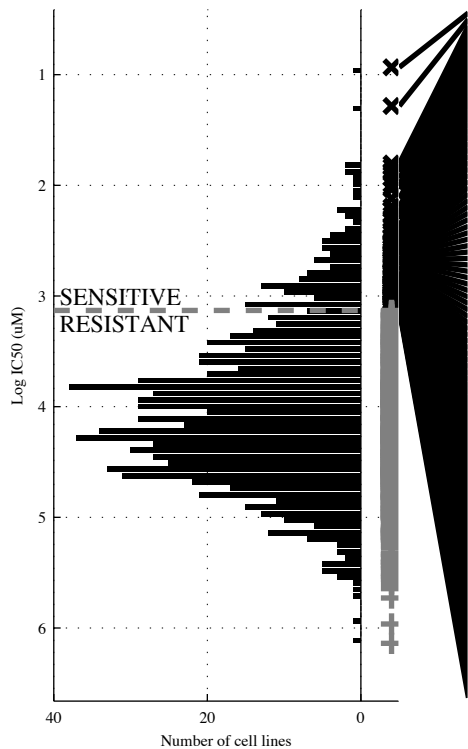
886 cell lines  
 103 sensitive



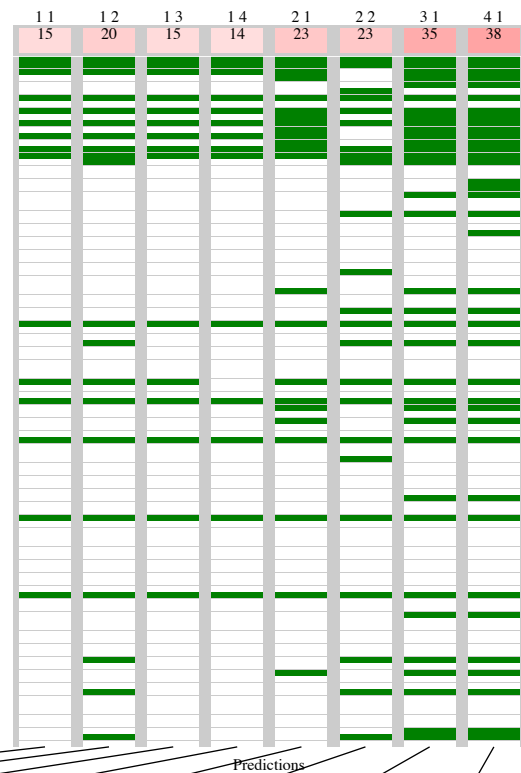
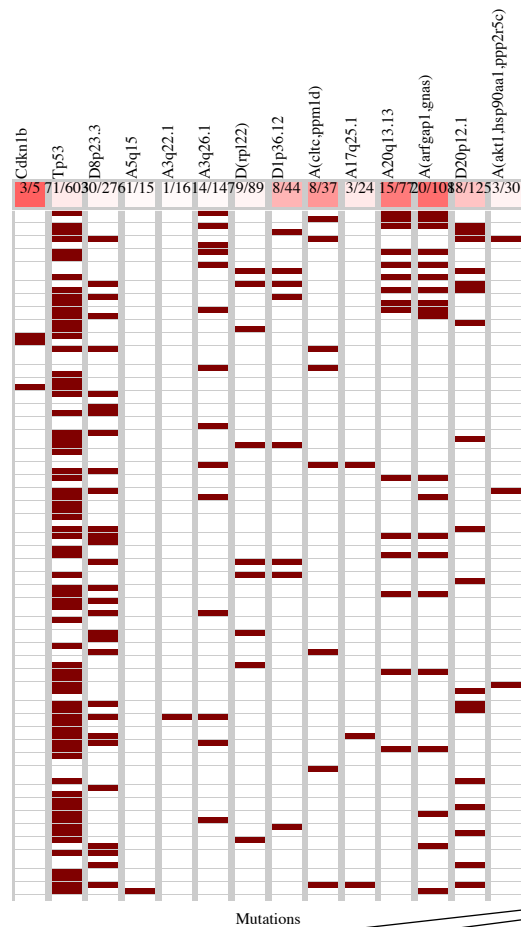
Model name	11	12	13	14	21	22	31	41
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	VHL	$\neg TP53 \ \& \ \neg dXp22.$	$\neg d(BNC2 \ \& \ \neg d3p14 \ \& \ \neg dXp21.$	$\neg BRAF \ \& \ \neg TP53 \ \& \ \neg d(SDH1 \ \& \ \neg d(SYNC$	CREBBP1 VHL	[ PIK3CB & VHL ]   [ $\neg TP53 \ \& \ \neg d(SRGA)$	CREBBP1 VHL   a(ARFG)	CREBBP1 SETD2   VHL   a(ARFG)
TP   FP	4   7	29   149	29   155	29   128	15   44	12   28	30   129	35   145
FN   TN	99   776	74   634	74   628	74   655	88   739	91   755	73   654	68   638
Specificity	0.99	0.81	0.8	0.84	0.94	0.98	0.84	0.81
Precision	0.36	0.16	0.16	0.19	0.25	0.5	0.19	0.19
Recall	0.039	0.28	0.28	0.29	0.15	0.085	0.29	0.34

PANCAN  
 id: 1067 name: CCT007093  
 target: PPM1D class: other

907 cell lines  
 107 sensitive



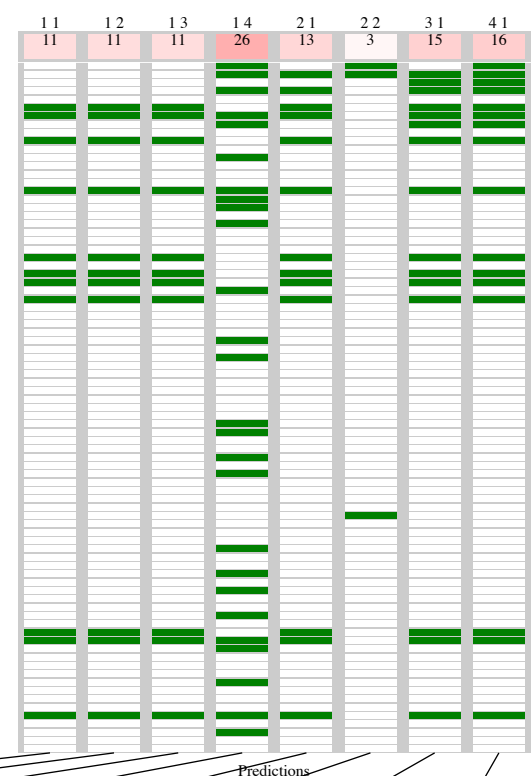
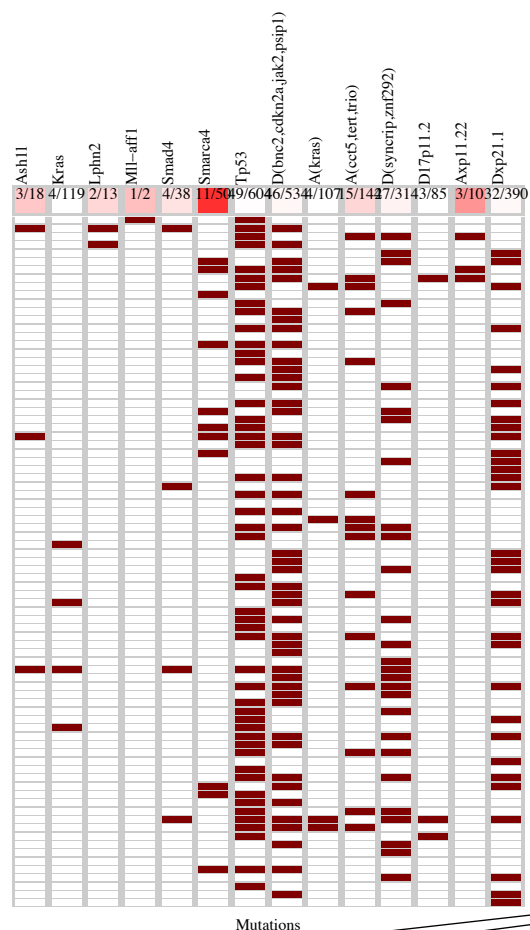
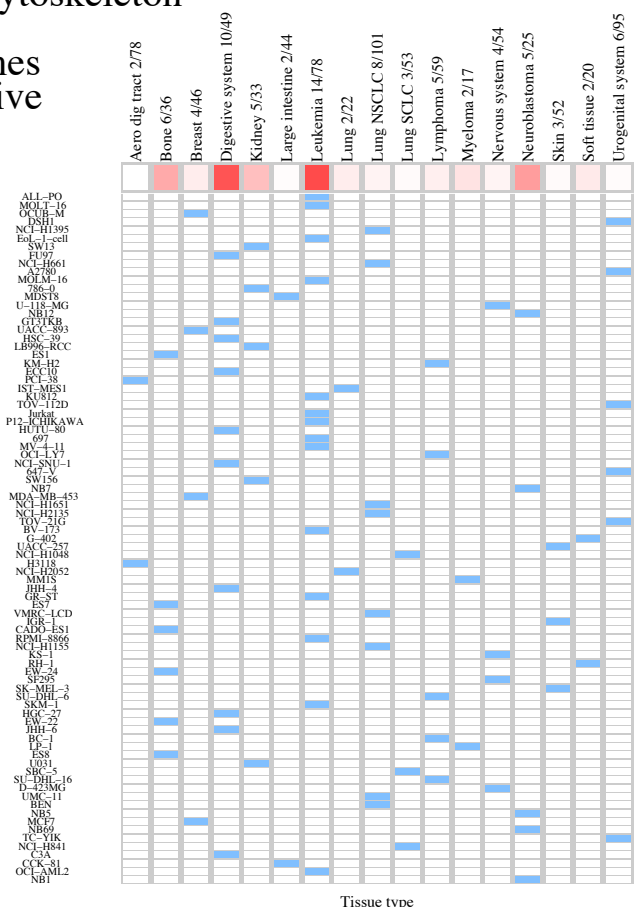
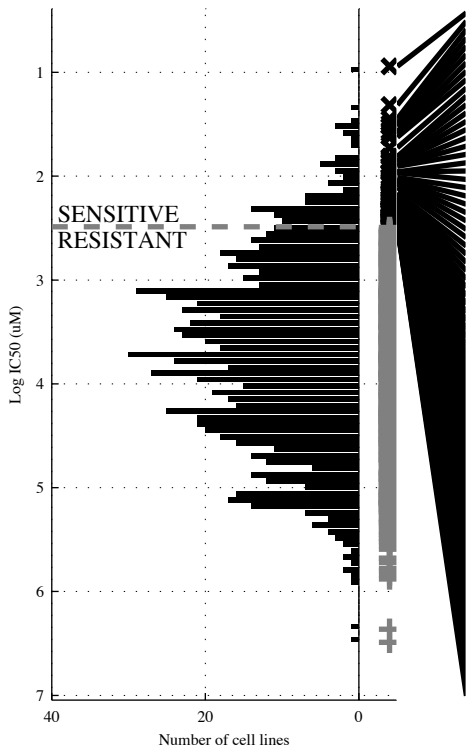
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Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a20q13</b>	<b>¬a17q25&amp;a(ARFG</b>	<b>¬a3q22.&amp; a20q13 &amp;</b> <b>¬a(AKT1</b>	<b>¬d8p23.&amp; ¬a5q15 &amp;</b> <b>¬d(RPL&amp; a20q13</b>	<b>d1p36.   a20q13</b>	<b>[ ¬TP53 &amp; a3q26. ]</b> <b> </b> <b>[ a(ARFG&amp;¬d20p12]</b>	<b>d1p36.   a(CLTC </b> <b>a(ARFG</b>	<b>CDKN1B  d1p36.  </b> <b>a(CLTC a(ARFG</b>
TP   FP Specificity	15   62 0.92	20   75 0.91	15   46 0.95	14   34 0.96	23   95 0.88	23   105 0.93	35   135 0.83	38   137 0.83
FN   TN Precision	92   738 0.19	87   725 0.22	92   754 0.29	93   766 0.29	84   705 0.19	84   695 0.26	72   665 0.21	69   663 0.22
Recall	0.14	0.18	0.13	0.14	0.21	0.17	0.33	0.36

PANCAN  
 id: 1069 name: EHT 1864  
 target: Rac GTPases class: cytoskeleton

909 cell lines  
 83 sensitive

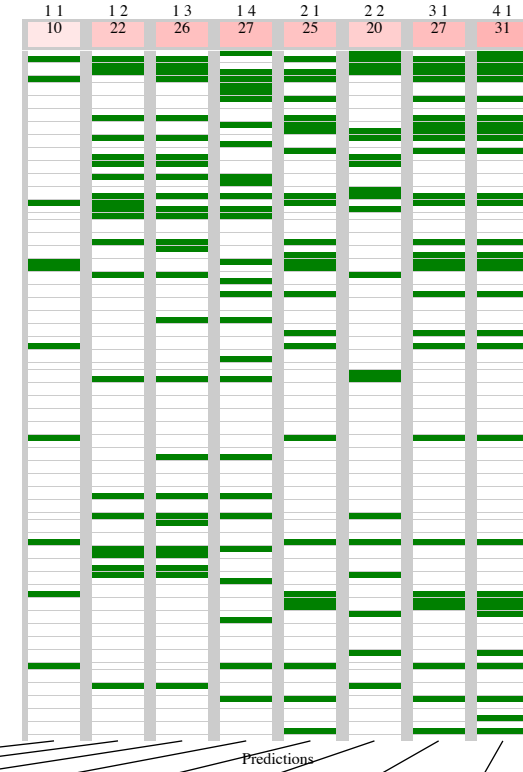
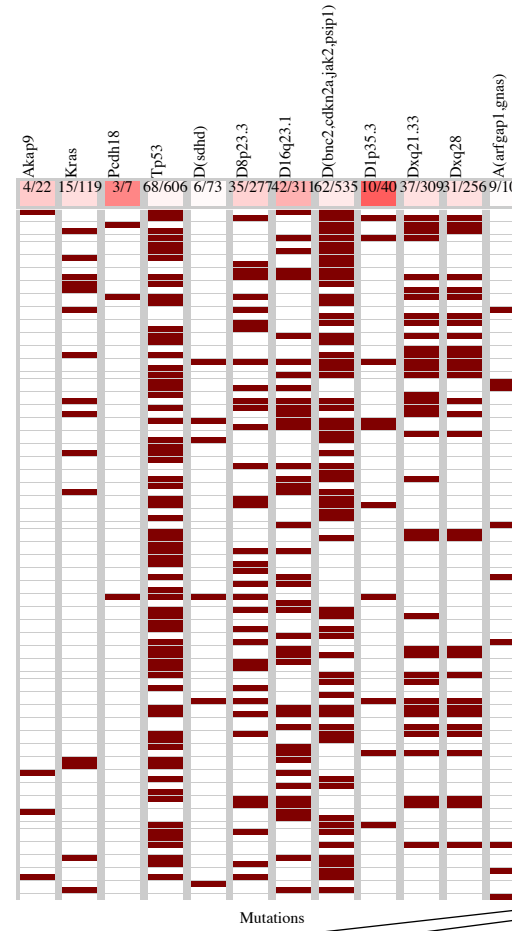
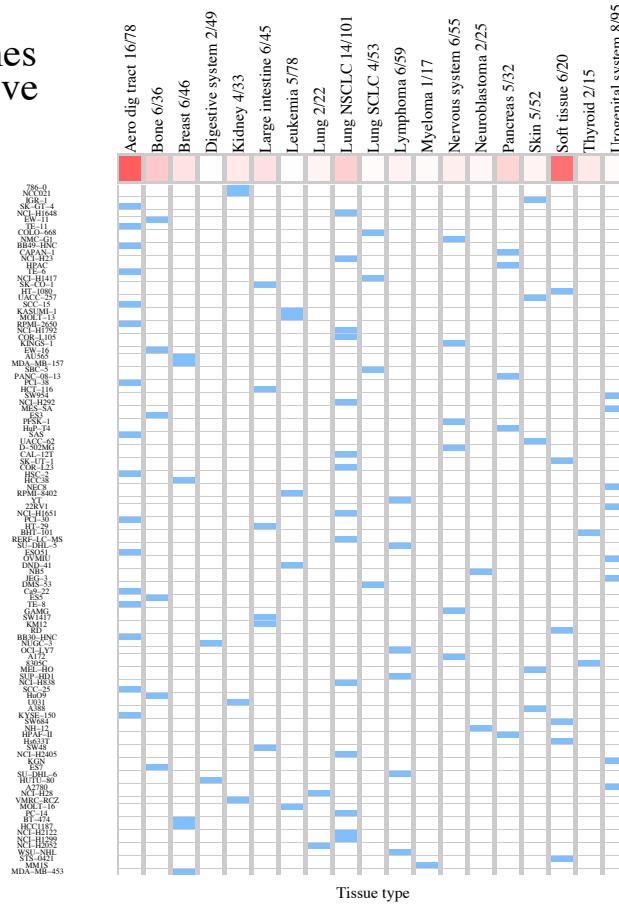
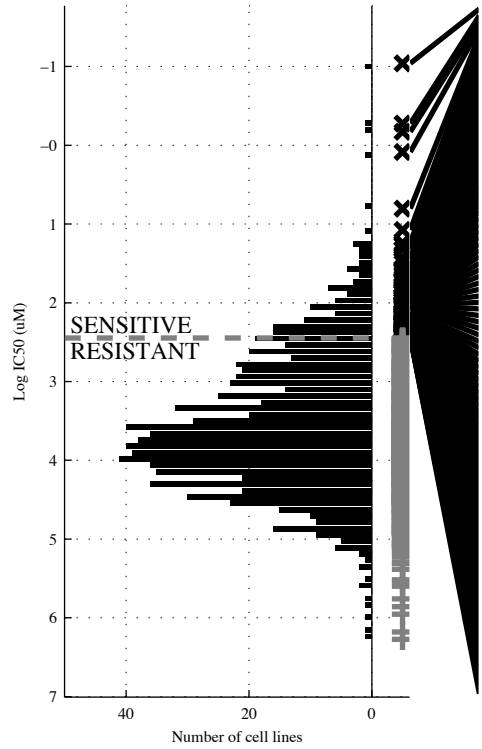


Model name	11	12	13	14	21	22	31	41
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>SMARCA</b>	<b>-KRAS &amp; SMARCA</b>	<b>SMARCA &amp; a(CCT5 &amp; TP53 &amp; a(KRAS &amp; LPHN2 SMARCA</b>	<b>TP53 &amp; a(KRAS &amp; LPHN2 SMARCA</b>	<b>LPHN2 SMARCA</b>	<b>[MLL-AF1 &amp; d(BNC2]</b>   <b>[ASH1L &amp; SMAD4]</b>	<b>LPHN2 SMARCA</b>	<b>LPHN2 MLL-AF1</b>
TP   FP	11   39	11   29	11   24	26   162	13   47	3   0	15   54	16   55
FN   TN	72   787	72   797	72   802	57   664	70   779	80   826	68   772	67   771
Specificity	0.95	0.96	0.97	0.8	0.94	1	0.93	0.93
Precision	0.22	0.28	0.31	0.14	0.22	0.88	0.22	0.23
Recall	0.13	0.13	0.13	0.31	0.16	0.031	0.18	0.19



PANCAN  
 id: 1072 name: BMS-708163  
 target: g-secretase class: other

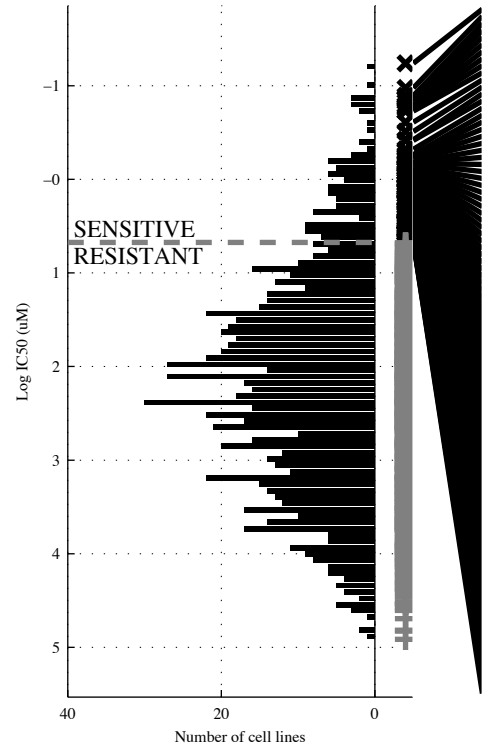
911 cell lines  
 106 sensitive



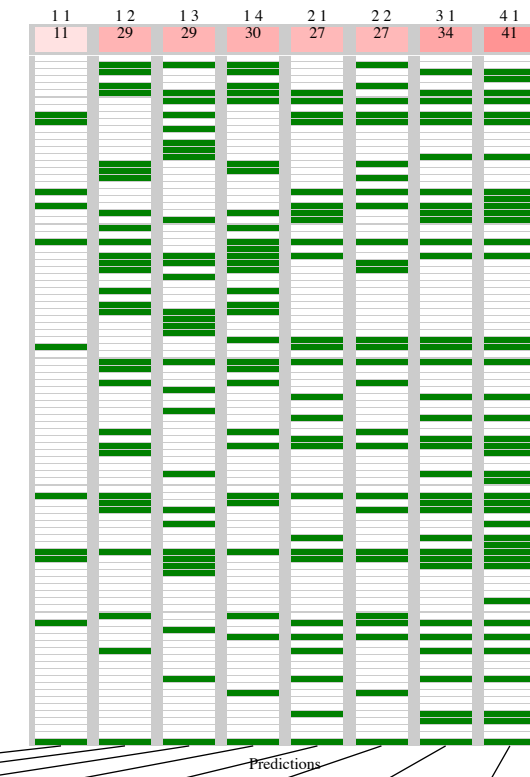
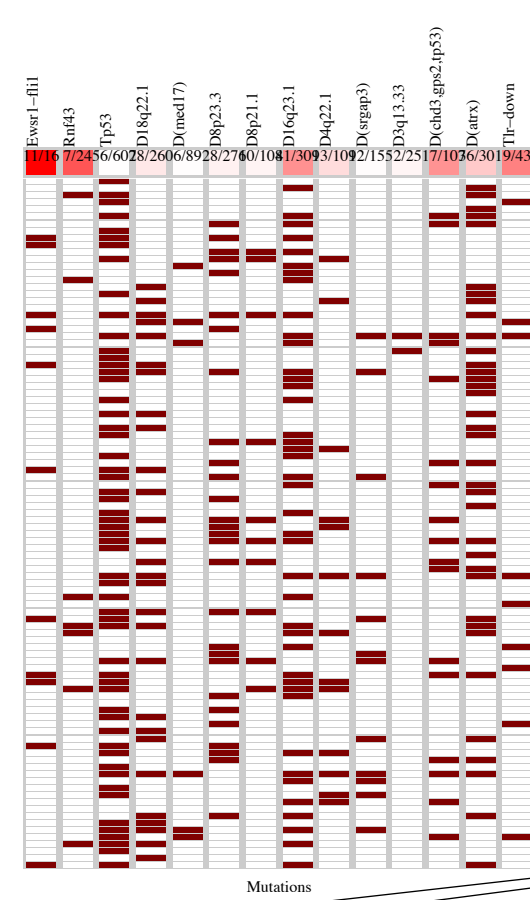
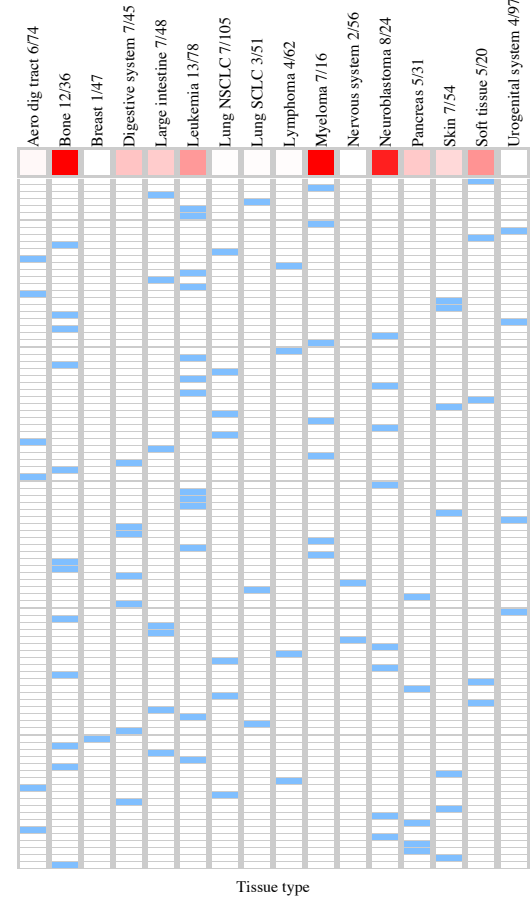
Model name	11	12	13	14	21	22	31	41
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d1p35.</b>	<b>d(BNC2&amp; dXq28</b>	<b>~d(SDHI&amp;d(BNC2&amp; dXq21.</b>	<b>TP53 &amp;~d8p23.&amp; d(BNC2&amp;a(ARFG</b>	<b>KRAS   d1p35.</b>	<b>[~d16q23&amp; dXq28 ]   [ AKAP9&amp;d16q23 ]</b>	<b>KRAS  PCDH18  d1p35.</b>	<b>AKAP9   KRAS   PCDH18  d1p35.</b>
TP   FP	10   30	22   144	26   142	27   152	25   132	20   137	27   135	31   149
FN   TN	96   775	84   661	80   663	79   653	81   673	86   668	79   670	75   656
Specificity	0.96	0.82	0.82	0.81	0.84	0.83	0.83	0.81
Precision	0.25	0.13	0.15	0.15	0.16	0.13	0.17	0.17
Recall	0.094	0.2	0.25	0.25	0.24	0.19	0.25	0.3

PANCAN  
 id: 1091 name: BMS-536924  
 target: IGF1R class: IGFR signaling

912 cell lines  
 98 sensitive



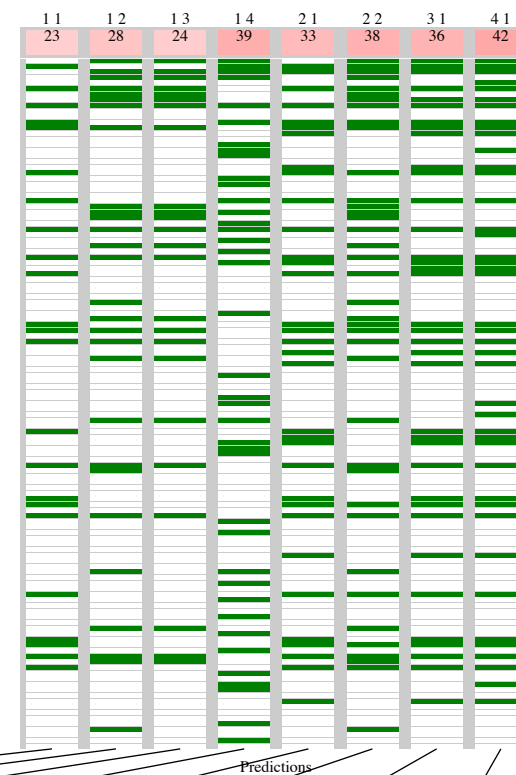
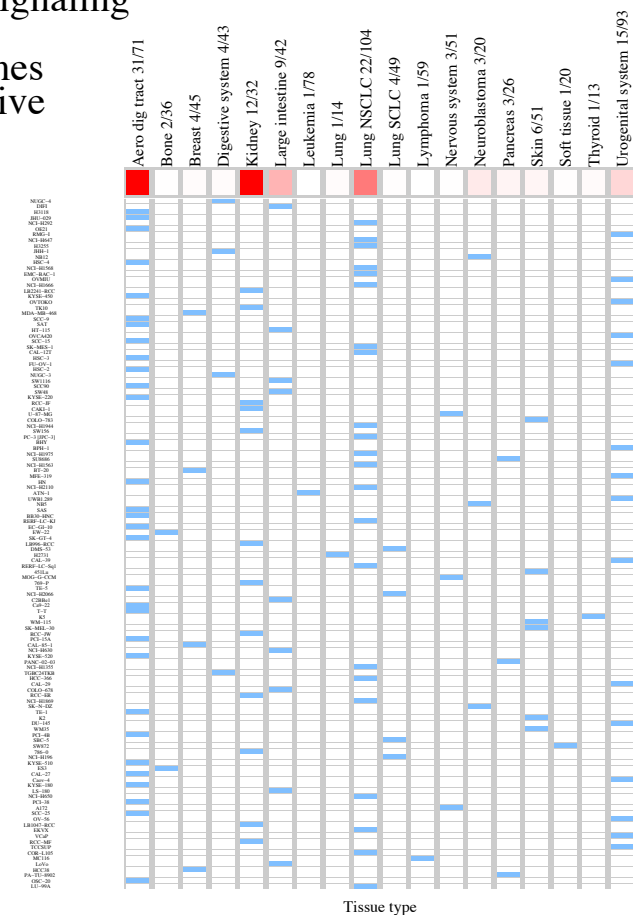
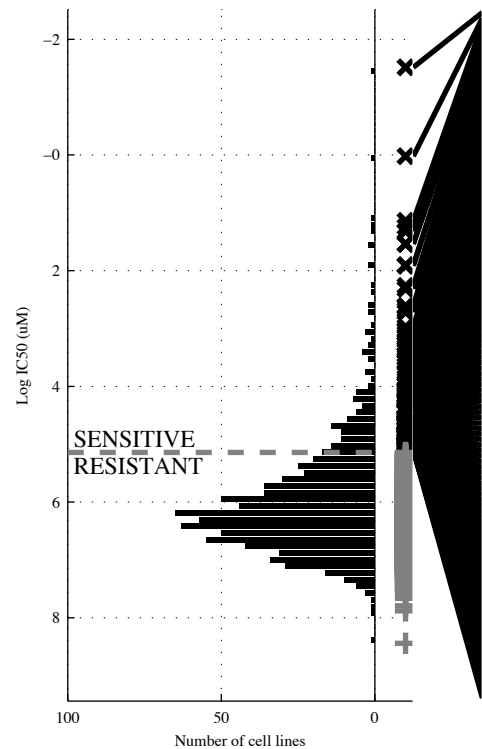
RH-49  
 NCI-H909  
 NCI-H716  
 NCI-H147  
 NCI-H1975  
 K562  
 EFO-21  
 EFO-27  
 EFO-31  
 EFO-32  
 NCI-H292  
 SH-PTC2  
 SH-PTC1  
 SH-PTC3  
 GM12891  
 OVCAR8  
 OVCAR5  
 OVCAR3  
 MCF7  
 SKNSH  
 SKNSL  
 NTERA-2 clD1  
 HELM-1  
 HEP-2  
 KMS-11  
 NCI-H1417  
 SKNSH  
 SKNSL  
 SKNSH  
 SKNSL  
 MONA-MAC-6  
 CHP-213  
 F98-IGRP  
 F98-IGRP  
 A77510  
 AMO-1  
 SKNSH  
 HCC-78  
 BRIP-10C  
 COLO-205  
 MCF7-8  
 MCF7-9  
 MCF7-10  
 MCF7-11  
 MCF7-12  
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 MCF7-93  
 MCF7-94  
 MCF7-95  
 MCF7-96  
 MCF7-97  
 MCF7-98  
 MCF7-99  
 MCF7-100



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>EWSR1-</b>	<b>-d8p23.&amp;d(ATRX)</b>	<b>-d18q22&amp;d16q23 &amp; -d(SRGA)</b>	<b>-d(MED&amp;-d8p21.&amp; -d4q22.&amp;d(ATRX)</b>	<b>EWSR1-l d(CHD3</b>	<b>[EWSR1-&amp;-d3q13.]   [ -TP53 &amp;d(ATRX)]</b>	<b>EWSR1-l RNF43   d(CHD3</b>	<b>EWSR1-l RNF43   d(CHD3 TLR-DO</b>
TP   FP	11   5	29   161	29   143	30   157	27   93	27   100	34   108	41   131
Specificity	0.99	0.81	0.82	0.81	0.89	0.92	0.87	0.89
FN   TN	87   809	69   653	69   671	68   657	71   721	71   714	64   706	57   683
Precision	0.69	0.15	0.17	0.16	0.23	0.33	0.24	0.27
Recall	0.11	0.28	0.3	0.3	0.28	0.2	0.35	0.33

PANCAN  
 id: 1114 name: Cetuximab  
 target: EGFR class: EGFR signaling

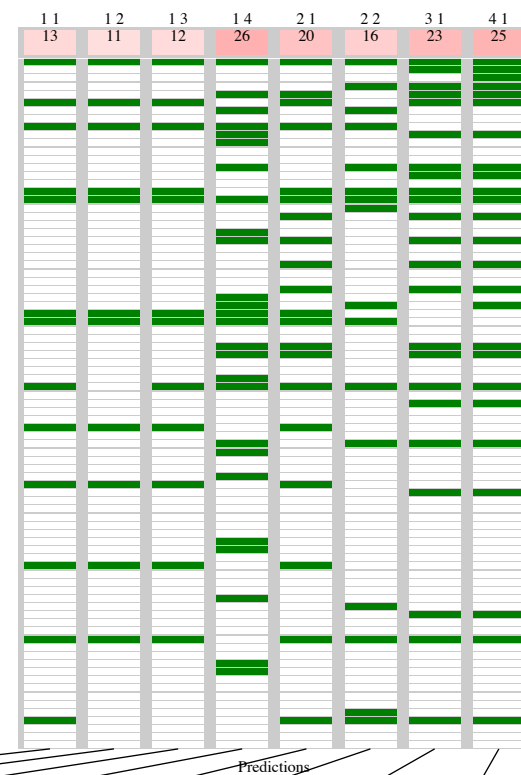
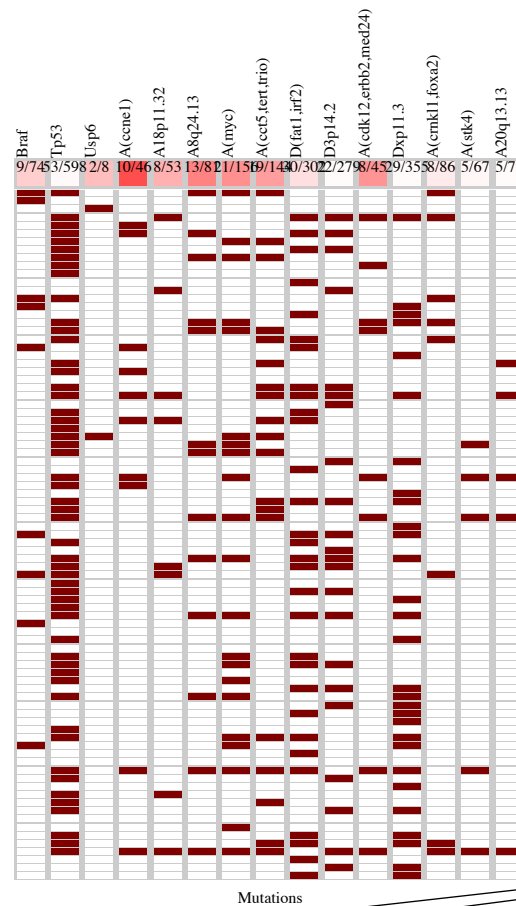
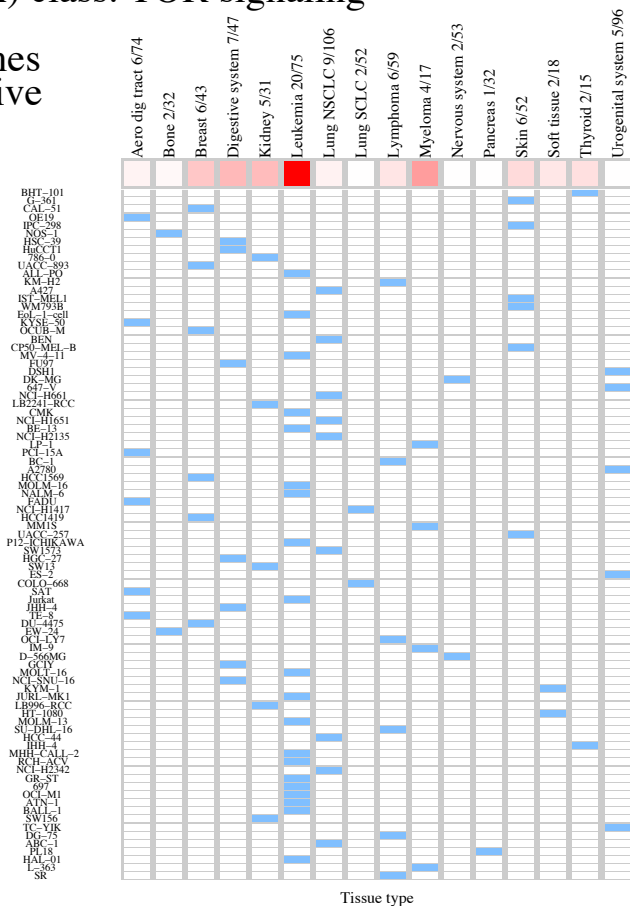
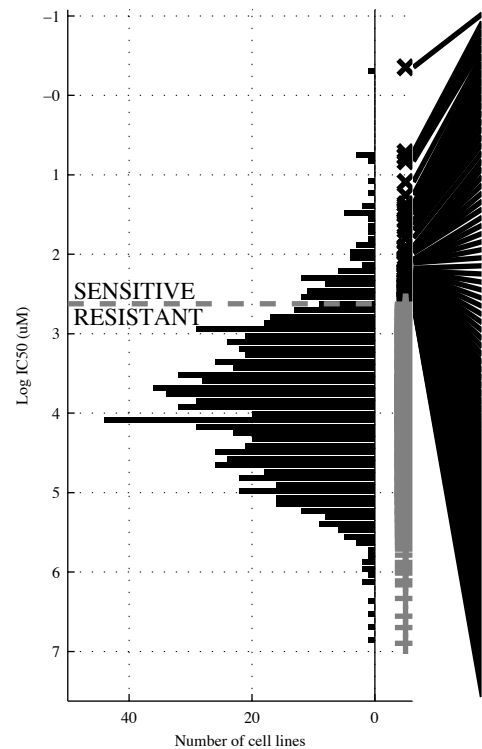
862 cell lines  
 123 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a(EGFR)</b>	<b>dXp11.&amp;-dXq28</b>	<b>-d(ARID&amp;dXp11.&amp;-dXq28</b>	<b>-PIK3R1&amp;a(KRAS&amp;d3p14.&amp;d(MAP2</b>	<b>a(EGFR d14q32</b>	<b>[dXp11.&amp;-dXq28] a(EGFR&amp;a(MET)]</b>	<b>a(EGFR a(CLTC d14q32</b>	<b>NF2 a(EGFR a(CLTC d14q32</b>
TP   FP	23   68	28   98	24   71	39   147	33   98	38   122	36   115	42   131
Specificity	0.91	0.87	0.9	0.86	0.87	0.84	0.84	0.82
FN   TN	100   671	95   641	99   668	84   592	90   641	85   617	87   624	81   608
Precision	0.25	0.22	0.25	0.24	0.25	0.23	0.24	0.24
Recall	0.19	0.23	0.2	0.24	0.27	0.3	0.29	0.34

PANCAN  
 id: 1129 name: PF-4708671  
 target: RPS6KB1 (p70S6KA) class: TOR signaling

893 cell lines  
 85 sensitive

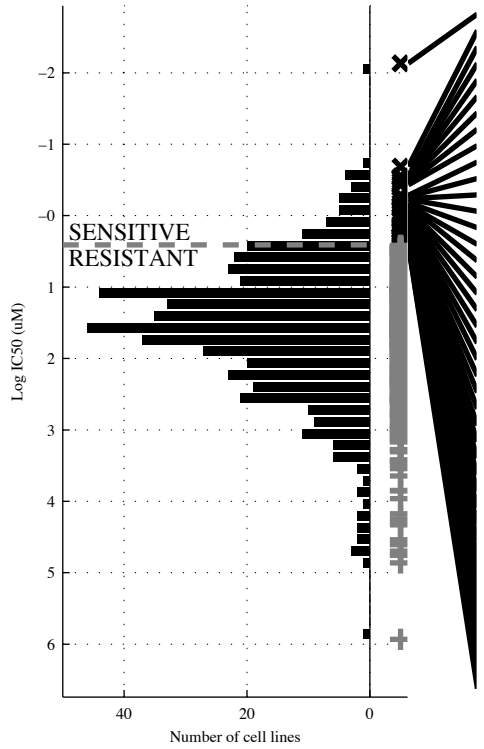


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a8q24.</b>	<b>a8q24. &amp;¬a20q13</b>	<b>TP53 &amp;¬a18p11&amp; a8q24.</b>	<b>TP53 &amp;¬d(FAT&amp; ¬d3p14&amp;¬dXp11.</b>	<b>a(CCNE   a8q24.</b>	<b>[a(MYC)&amp;a(CCT5)   [a(CRNK&amp;¬a(STK4]</b>	<b>BRAF   a(CCNE   a(CDK1</b>	<b>BRAF   USP6   a(CCNE   a(CDK1</b>
TP   FP Specificity	13   68 0.92	11   48 0.94	12   40 0.95	26   153 0.81	20   91 0.89	16   76 0.91	23   129 0.84	25   134 0.83
FN   TN Precision	72   740 0.16	74   760 0.19	73   768 0.23	59   655 0.15	65   717 0.18	69   732 0.18	62   679 0.15	60   674 0.16
Recall	0.15	0.13	0.14	0.31	0.24	0.18	0.27	0.29

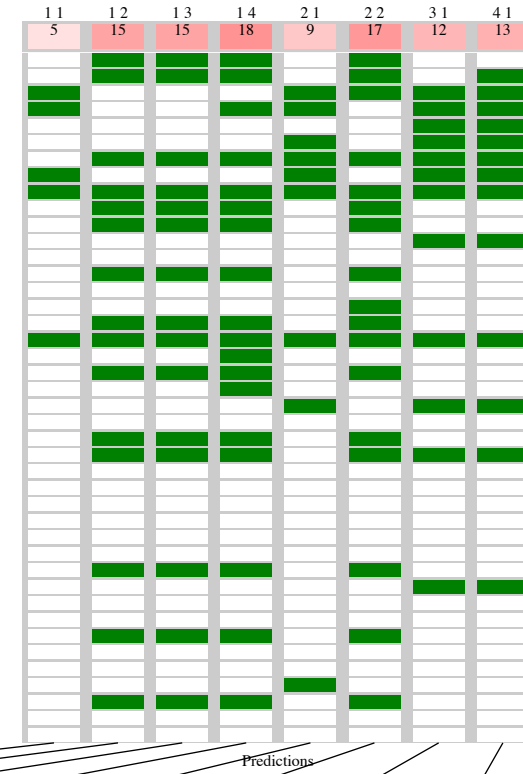
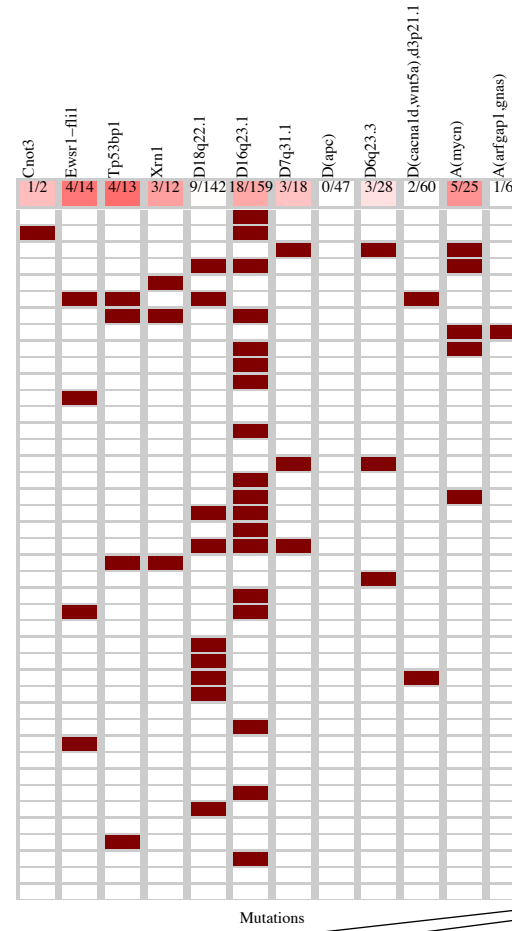
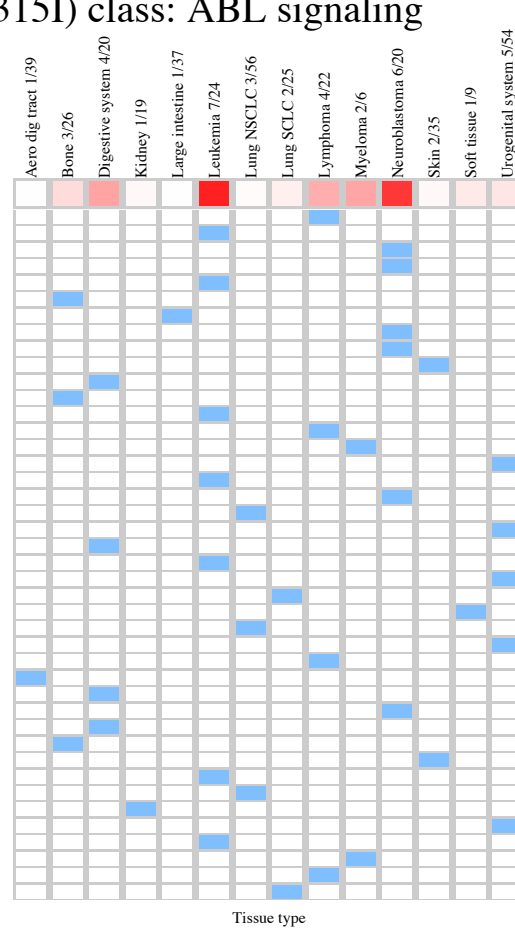


PANCAN  
 id: 1142 name: HG-5-113-01  
 target: LOK, LTK, TRCB, ABL(T315I) class: ABL signaling

487 cell lines  
 42 sensitive



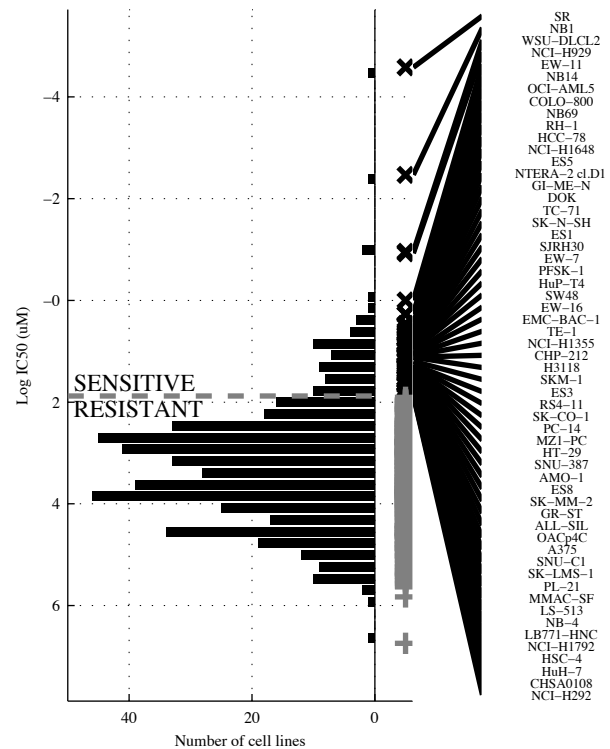
- SR
- BE-13
- NB14
- NB1
- EoL-1-cell
- ES8
- SW48
- SK-N-DZ
- NB69
- COLO-800
- HCC-27
- ES7
- ALL-SIL
- TUR
- MC-CAR
- MES-SA
- ALL-PO
- CHP-212
- ABC-1
- OV-7
- AGS
- RS4-11
- DOV13
- NCI-H847
- RH-1
- LXF-289
- NTERA-2 cl.D1
- OCL-LY7
- CAL-27
- HSC-39
- GI-ME-N
- NCI-SNU-16
- ES3
- SK-MEL-2
- NB-4
- NCI-H292
- LB1047-RCC
- SNG-M
- NALM-6
- NCI-H929
- BL-41
- NCI-H524



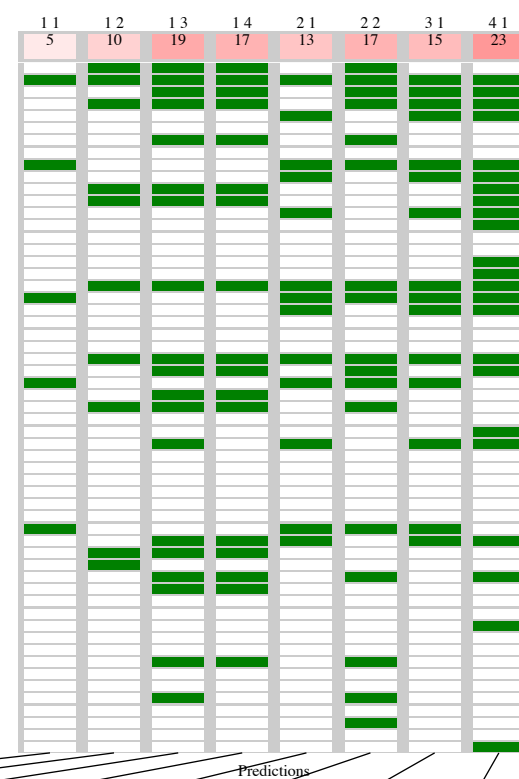
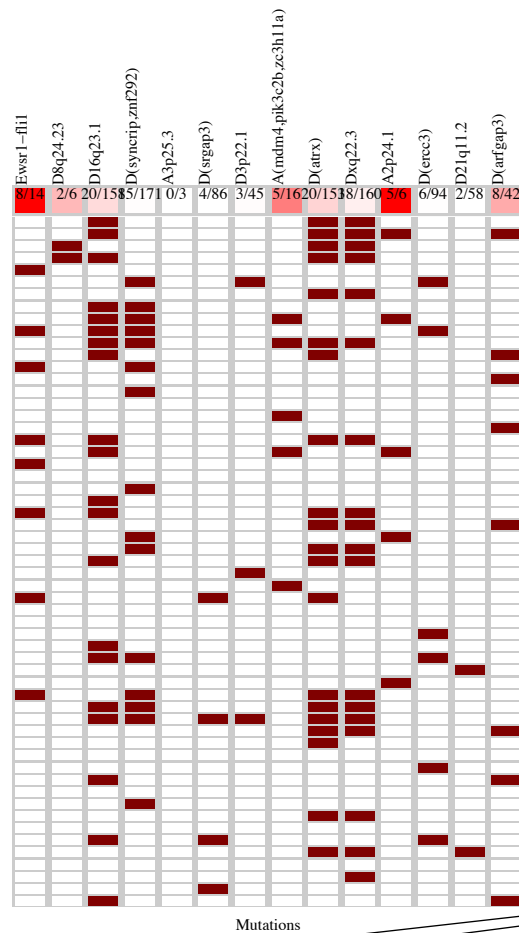
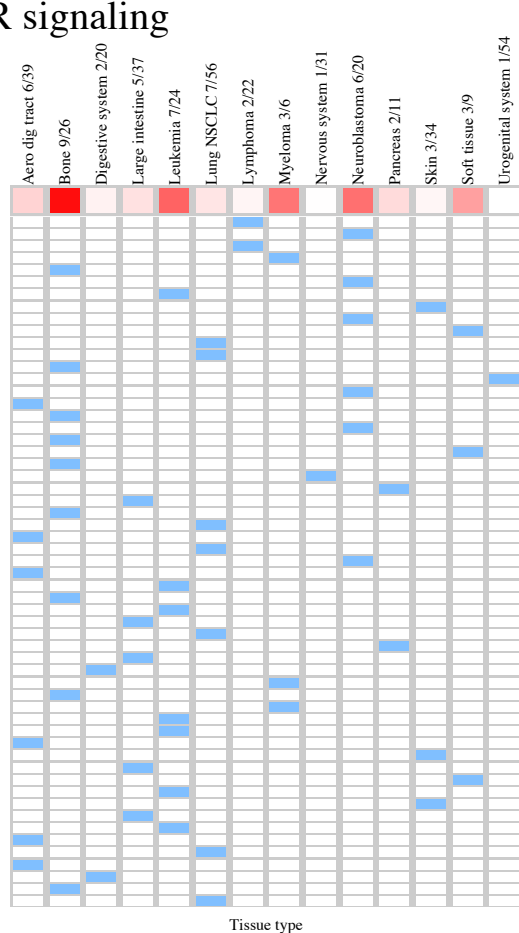
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>a(MYCN)</b>	<b>¬d18q22 &amp; d16q23</b>	<b>¬d18q22 &amp; d16q23 &amp; ¬d(CACN)</b>	<b>d16q23 &amp; ¬d(APC) &amp; ¬d(CACN) &amp; a(ARFG)</b>	<b>TP53BP1a(MYCN)</b>	<b>[ ¬d18q22 &amp; d16q23 ]   [ d7q31. &amp; d6q23. ]</b>	<b>EWSR1-1 XRN1   a(MYCN)</b>	<b>CNOT3 IEWSR1-1 XRN1 la(MYCN)</b>
TP   FP Specificity	5   20 0.96	15   88 0.8	15   73 0.84	18   84 0.81	9   28 0.94	17   88 0.8	12   39 0.91	13   39 0.91
FN   TN Precision	37   425 0.2	27   357 0.15	27   372 0.17	24   361 0.18	33   417 0.24	25   357 0.16	30   406 0.24	29   406 0.25
Recall	0.12	0.36	0.36	0.43	0.21	0.4	0.29	0.31

PANCAN  
 id: 1143 name: HG-5-88-01  
 target: EGFR, ADCK4 class: EGFR signaling

486 cell lines  
 57 sensitive



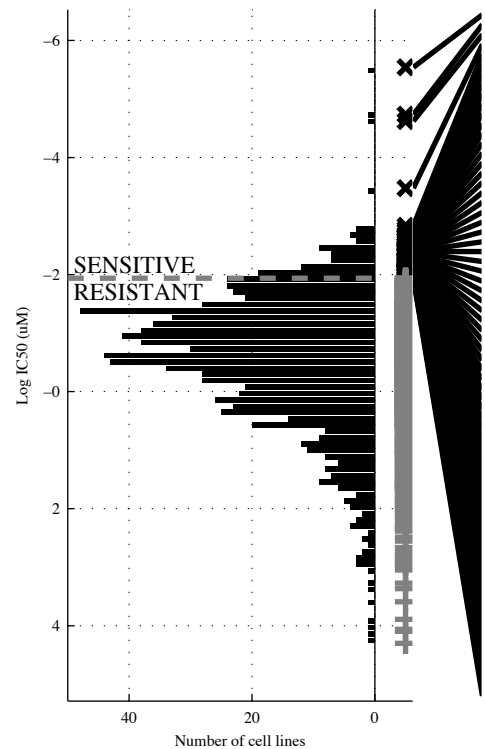
SR  
 NB1  
 WSU-DLCL2  
 NCI-H929  
 EW-11  
 NB14  
 OCI-AML5  
 COLO-800  
 NB69  
 RH-1  
 HCC-78  
 NCI-H1648  
 ESS  
 NTERA-2 cl.D1  
 GI-ME-N  
 DOK  
 TC-71  
 SK-N-SH  
 ESI  
 SRRH30  
 EW-7  
 PFSK-1  
 HuP-T4  
 SW48  
 EW-16  
 EMC-BAC-1  
 TE-1  
 NCI-H1355  
 CHP-212  
 H3118  
 SKM-1  
 ESS  
 RS4-11  
 SK-CO-1  
 PC-14  
 MZ1-PC  
 HT-29  
 SNU-387  
 AMO-1  
 ES8  
 SK-MM-2  
 GR-ST  
 ALL-SIL  
 OACp4C  
 A375  
 SNU-C1  
 SK-LMS-1  
 PL-21  
 MMAC-SF  
 LS-513  
 NB-4  
 LB771-HNC  
 NCI-H1792  
 HSC-4  
 HuH-7  
 CHSA0108  
 NCI-H292



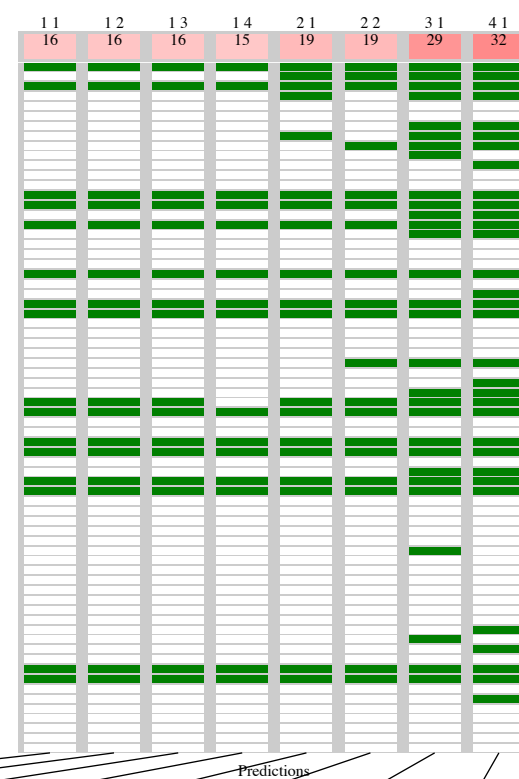
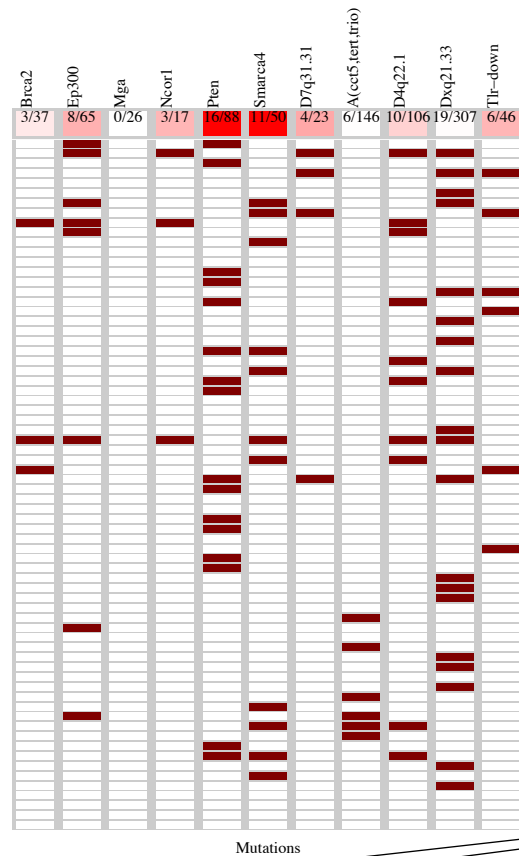
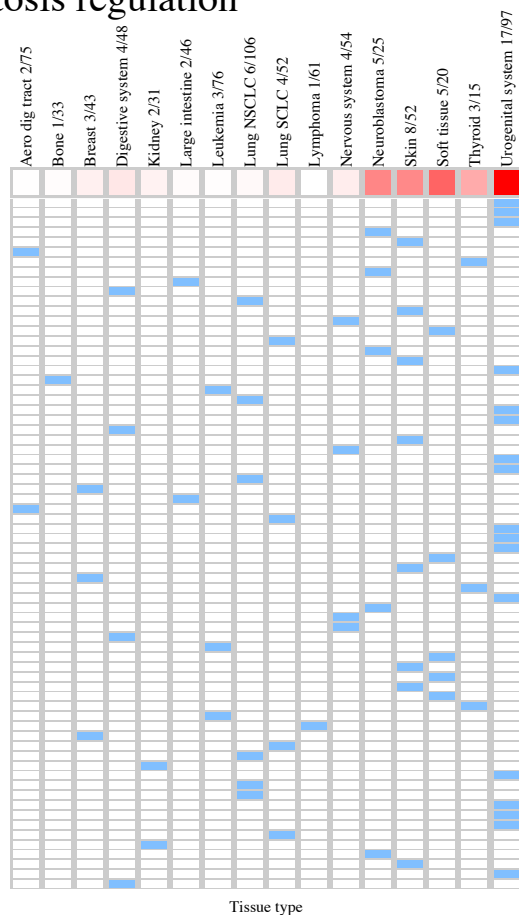
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a2p24.</b>	<b>d16q23 &amp; d(ATRX)</b>	<b>~d3p22. &amp; d(ATRX)</b> <b>~d(ERCC)</b>	<b>~d(SRGA &amp; d(ATRX)</b> <b>~d(ERC &amp; ~d21q11)</b>	<b>EWSR1-1 a2p24.</b>	<b>[ ~a3p25. &amp; a2p24. ]</b> <b> </b> <b>[ ~d(SYNG &amp; dXq22. ]</b>	<b>EWSR1-1 d8q24.  </b> <b>a2p24.</b>	<b>EWSR1-1 d8q24.  </b> <b>a(MDM4 d(ARFG</b>
TP   FP	5   1	10   47	19   81	17   57	13   7	17   85	15   11	23   54
Specificity	1	0.89	0.83	0.87	0.98	0.81	0.97	0.87
FN   TN	52   428	47   382	38   348	40   372	44   422	40   344	42   418	34   375
Precision	0.83	0.18	0.2	0.23	0.65	0.18	0.58	0.3
Recall	0.088	0.18	0.32	0.3	0.23	0.31	0.26	0.4

PANCAN  
 id: 1149 name: TW 37  
 target: BCL2, BCL2L1 class: apoptosis regulation

905 cell lines  
 70 sensitive



- SNG-M
- VM-CU-1
- MEF-296
- BE2-M17
- SK-MEL-30
- C6-22
- IHH-4
- NBI4
- RKO
- AGS
- A549
- CHL-1
- SKNSH
- SK-UT-1
- DMS-273
- KELLY
- CP50-MEL-B
- JAR
- HOS
- K-562
- NCL-H1944
- OVK-18
- C-4-1
- HUTU-80
- UACC-62
- SFT26
- SISO
- NECS
- REPR-LC-MS
- Hs-578-T
- HCT-116
- RAS
- DMS-114
- NTera-2-clD1
- MES-SA
- TOV-21G
- SK-LMS-1
- MEL-HO
- MDA-MB-468
- ASH-3
- ME-180
- SK-N-BZ
- D-560MG
- YKG-1
- HUE-7
- MV-4-11
- HT-1080
- A101D
- SW872
- A375
- VA-ES-BJ
- BHT-101
- 697
- OCL-LY7
- MDA-MB-231
- SBC-3
- NCL-H1563
- SW13
- SW756
- NCL-H1581
- EBC-1
- EPO-27
- C-33-A
- PWR-1E
- NCL-H641
- NCC010
- NB7
- 451a
- PA-1
- JHH-1

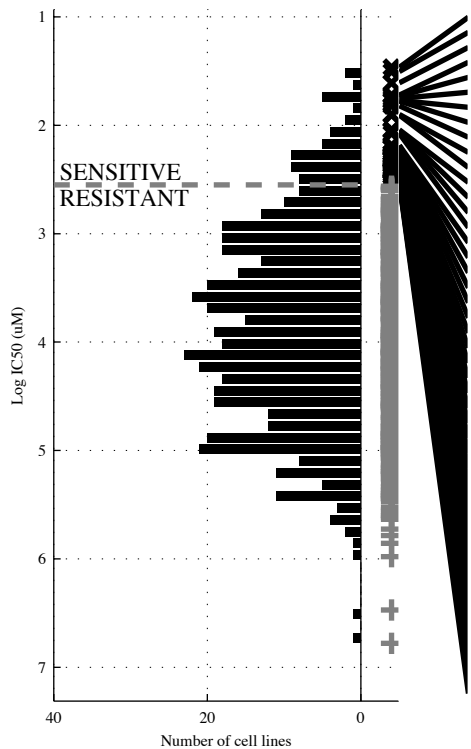


Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	1	1	1	1	1	1	1	1	2	2	2	3	3	4	4	1
M																
Logic formula	<b>PTEN</b>		<b>PTEN &amp; a(CCT5)</b>		<b>-BRCA &amp; PTEN &amp; -a(CCT5)</b>		<b>-MGA &amp; PTEN &amp; -a(CCT5 &amp; dXq21.</b>		<b>PTEN   d7q31.</b>		<b>[ PTEN &amp; a(CCT5)   [ NCOR1 &amp; d4q22. ]</b>		<b>EP300   PTEN   TLR-DO</b>		<b>NCOR1   PTEN   SMARCATLR-DO</b>	
TP   FP	16   72	16   56	16   47	15   27	19   91	19   58	29   150	32   155	19   91	19   58	29   150	32   155	32   155	32   155	32   155	32   155
Specificity	0.91	0.93	0.94	0.97	0.89	0.95	0.82	0.81	0.89	0.95	0.82	0.81	0.81	0.81	0.81	0.81
FN   TN	54   763	54   779	54   788	55   808	51   744	51   777	41   685	38   680	51   744	51   777	41   685	38   680	38   680	38   680	38   680	38   680
Precision	0.18	0.22	0.25	0.36	0.17	0.26	0.16	0.17	0.17	0.26	0.16	0.16	0.17	0.17	0.17	0.17
Recall	0.23	0.23	0.23	0.21	0.27	0.22	0.41	0.48	0.27	0.22	0.41	0.41	0.48	0.48	0.48	0.48

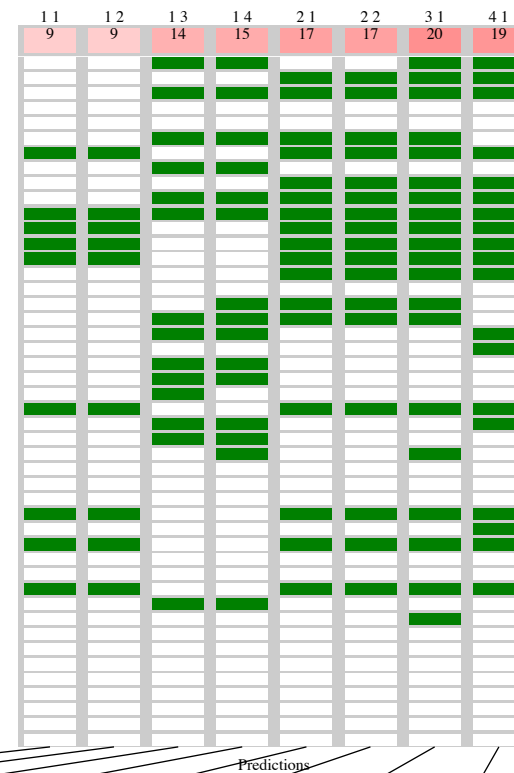
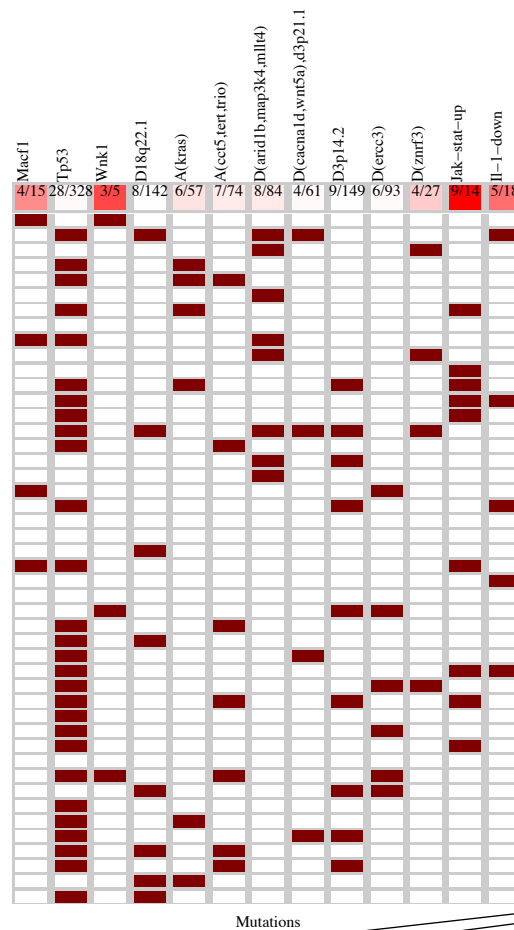
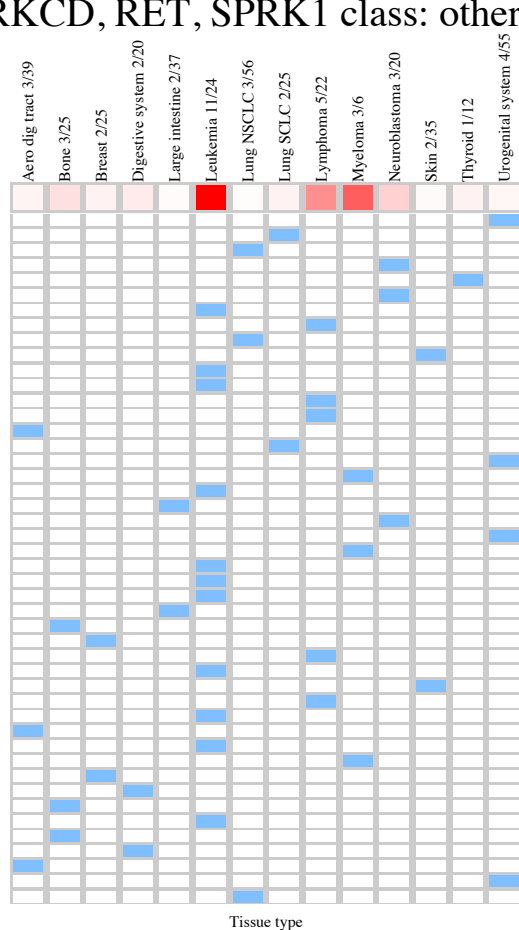


PANCAN  
 id: 1158 name: XMD11-85h  
 target: BRSK2, FLT4, MARK4, PRKCD, RET, SPRK1 class: other

487 cell lines  
 46 sensitive



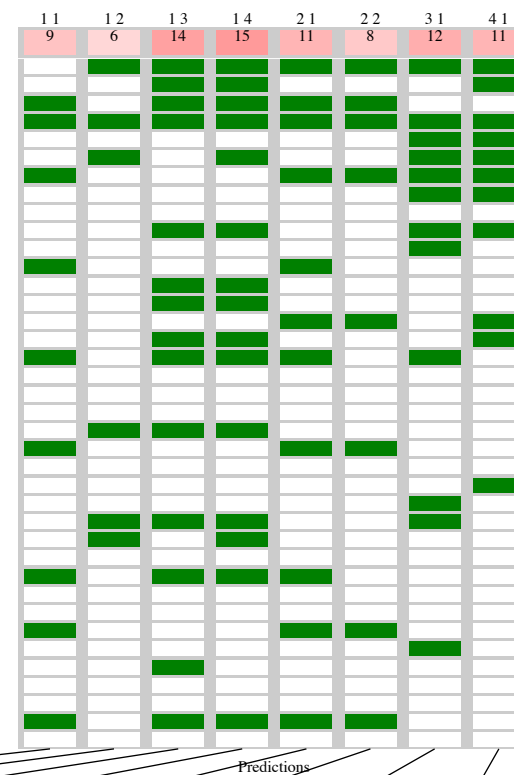
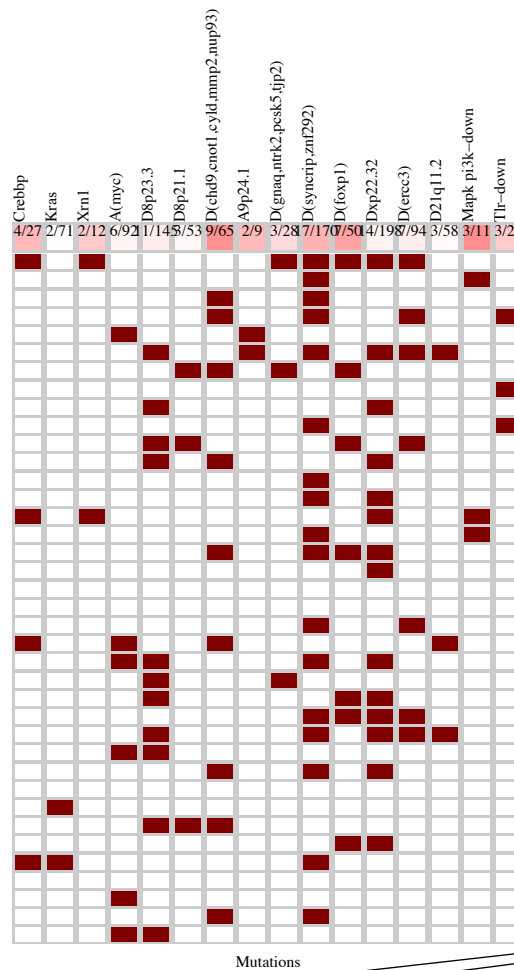
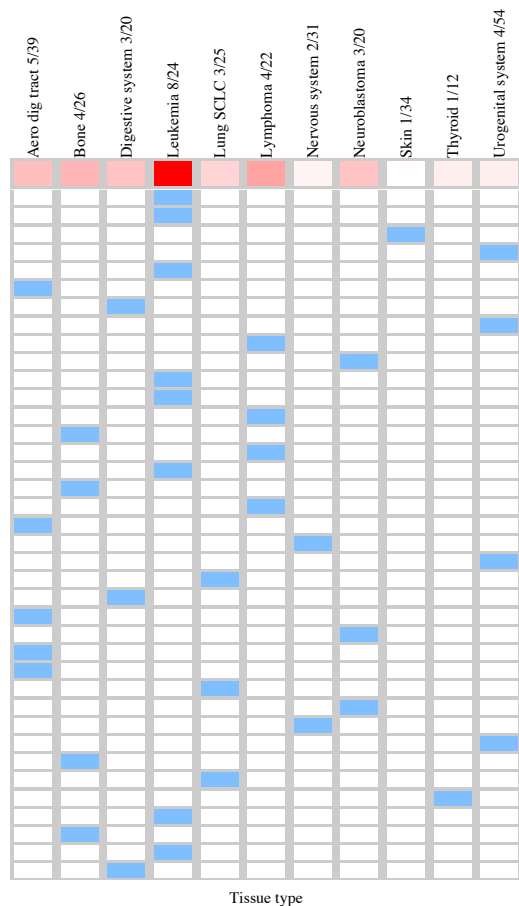
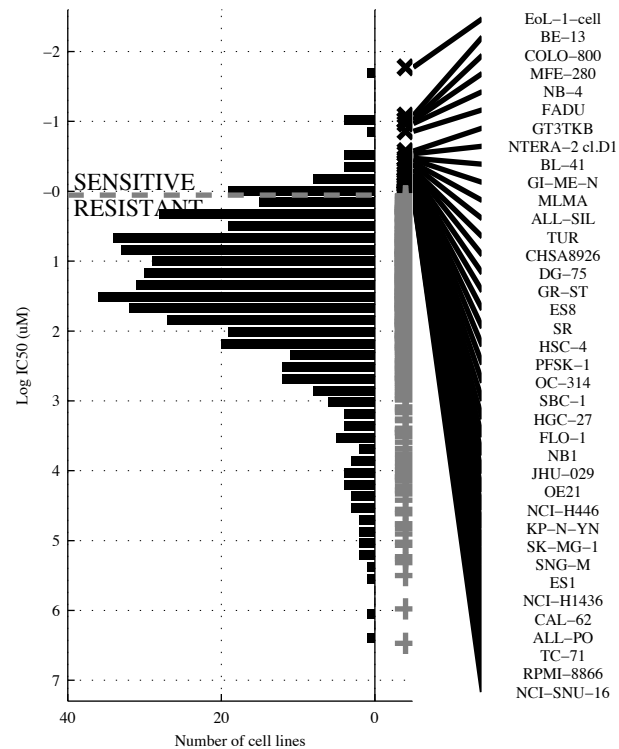
- SNG-M
- SBC-1
- NCL-H292
- SK-N-DZ
- BHT-101
- GI-ME-N
- RPMI-8402
- SR
- LXF-289
- SH-4
- OCI-AML3
- NB-4
- H9
- Daudi
- ESO26
- NCL-H446
- MES-SA
- NCL-H929
- EoL-1-cell
- NCL-H716
- NB69
- KU-19-19
- JIN-3
- Jurkat
- ALL-SIL
- RS4-11
- HCT-116
- CHSA0108
- HCC2157
- DCJ-75
- DND-41
- SK-MEL-2
- NAMALWA
- ALL-PO
- OE21
- NOMO-1
- MC-CAR
- EVSA-T
- AGS
- ES3
- BE-13
- NOS-1
- ETK-1
- HSC-4
- NTERA-2 cl.D1
- RERF-LC-KJ



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	M															
Logic formula	<b>JAK-ST</b>		<b>~d18q22&amp;JAK-ST</b>		<b>~TP53 &amp;a(KRAS&amp;</b>		<b>~TP53 &amp;~d18q22&amp;</b>		<b>d(ARID1 JAK-ST</b>		<b>[ d(ARID&amp;d(ERCC]</b>		<b>WNK1   d(ARID  </b>		<b>MACF1   d(ZNRF  </b>	
					<b>~d3p14.</b>		<b>~a(CCT&amp;d(CACN</b>				<b>[ ~d18q22&amp;JAK-ST]</b>		<b>JAK-ST</b>		<b>JAK-ST  IL-1-D</b>	
TP   FP	9   5	0.99	9   3	0.99	14   87	0.8	15   82	0.81	17   81	0.82	17   62	0.85	20   83	0.81	19   49	0.89
FN   TN	37   436	0.64	37   438	0.75	32   354	0.14	31   359	0.15	29   360	0.17	29   379	0.21	26   358	0.19	27   392	0.28
Specificity	0.99		0.99		0.8		0.81		0.82		0.85		0.81		0.89	
Precision	0.64		0.75		0.14		0.15		0.17		0.21		0.19		0.28	
Recall	0.2		0.2		0.3		0.33		0.37		0.37		0.43		0.41	

PANCAN  
 id: 1161 name: ZG-10  
 target: IRAK1 class: other

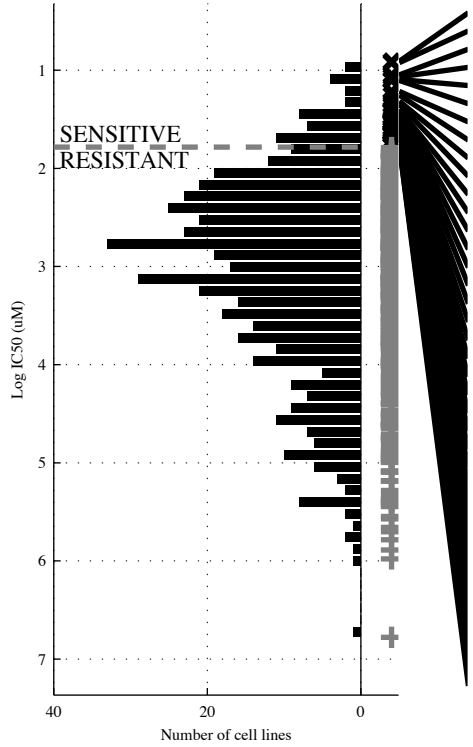
487 cell lines  
 38 sensitive



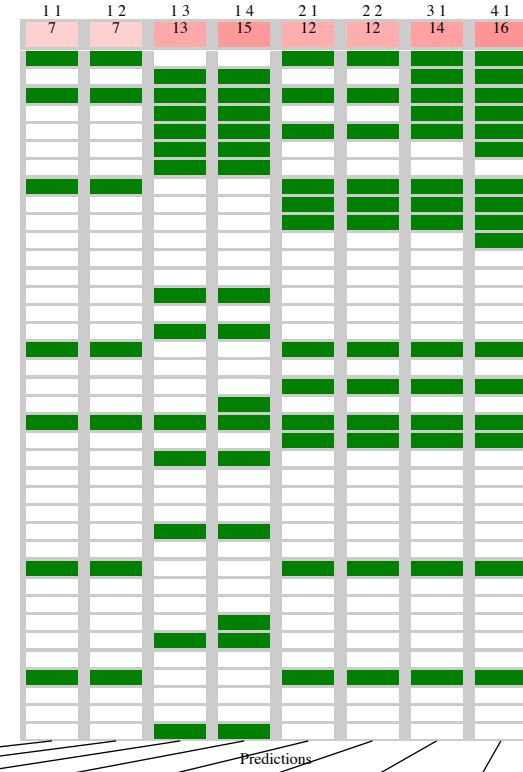
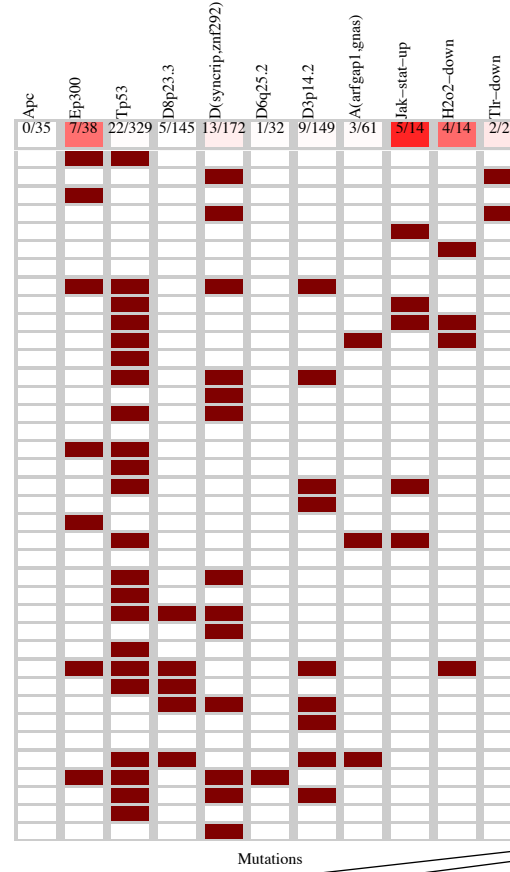
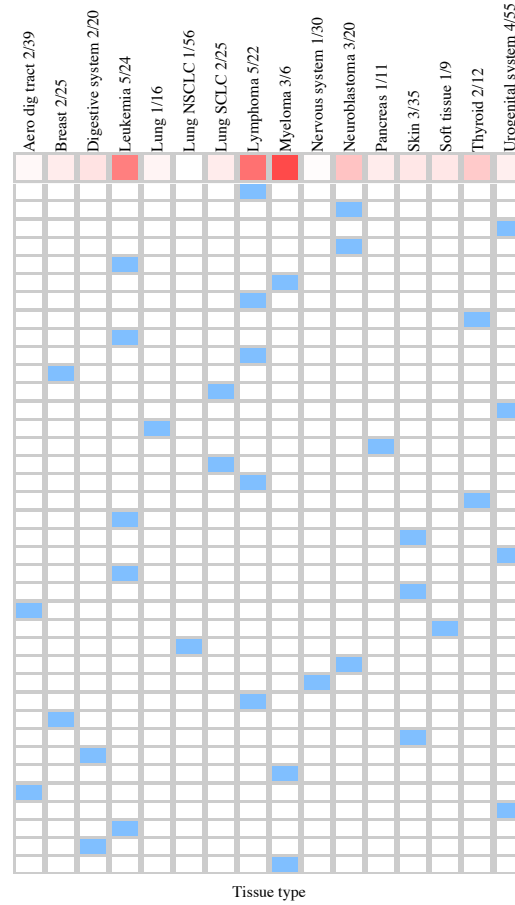
Model name	11	12	13	14	21	22	31	41
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d(CHD9)</b>	<b>d(SYNC&amp;d(ERCC)</b>	<b>-d8p23.&amp;d(SYNC&amp;</b> <b>-d21q11</b>	<b>-KRAS&amp;a(MYC&amp;</b> <b>-d8p21.&amp;d(SYNC</b>	<b>XRN1  d(CHD9</b>	<b>[d(CHD9&amp;-dXp22.]</b> <b> </b> <b>[CREBBI&amp; XRN1 ]</b>	<b>a9p24.  d(FOXP </b>	<b>a9p24.  d(GNAQ </b> <b>MAPK PTLR-DO</b>
TP   FP	9   56	6   35	14   82	15   88	11   65	8   29	12   66	11   55
FN   TN	29   393	32   414	24   367	23   361	27   384	30   420	26   383	27   394
Specificity	0.88	0.92	0.82	0.8	0.86	0.94	0.85	0.87
Precision	0.14	0.15	0.15	0.15	0.14	0.23	0.15	0.17
Recall	0.24	0.16	0.37	0.39	0.29	0.2	0.32	0.31

PANCAN  
 id: 1164 name: XMD8-92  
 target: MAP2K5 (ERK5) class: other

488 cell lines  
 38 sensitive



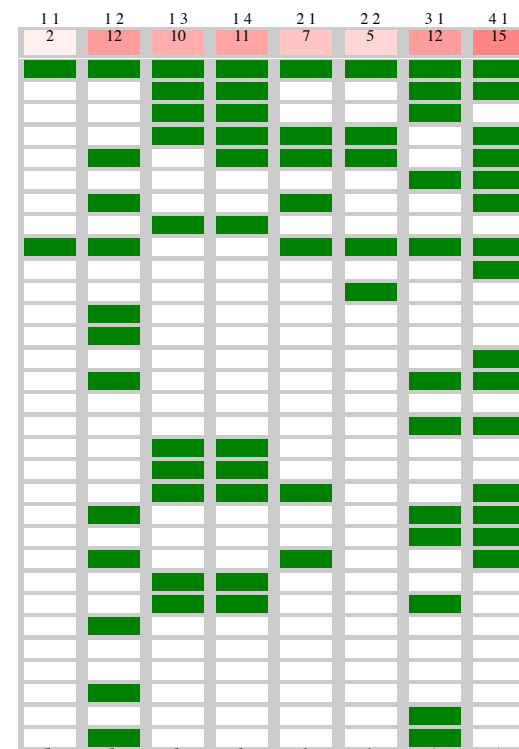
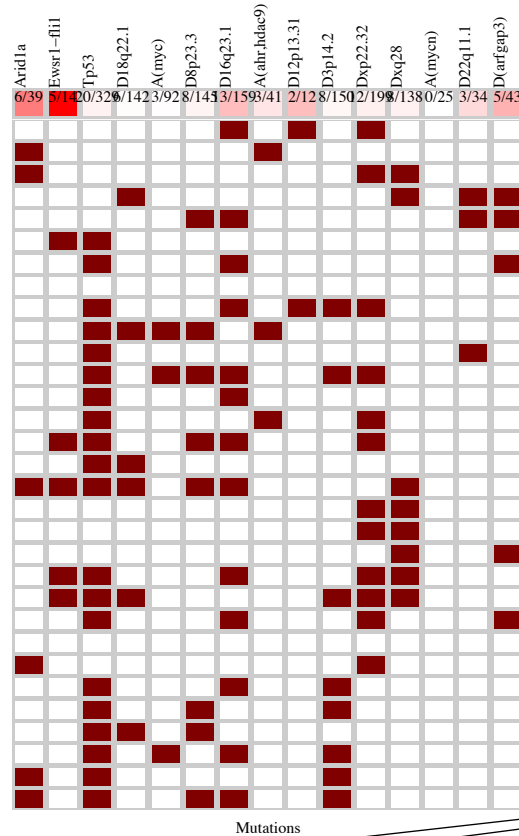
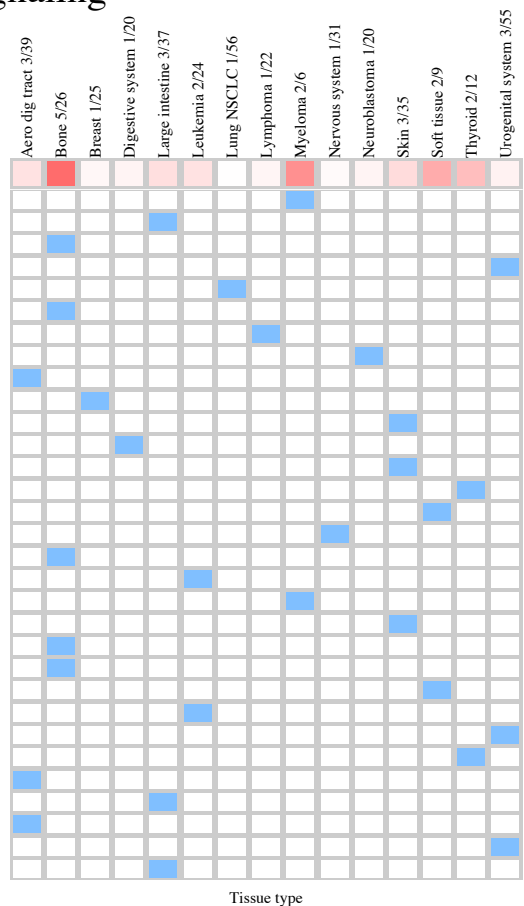
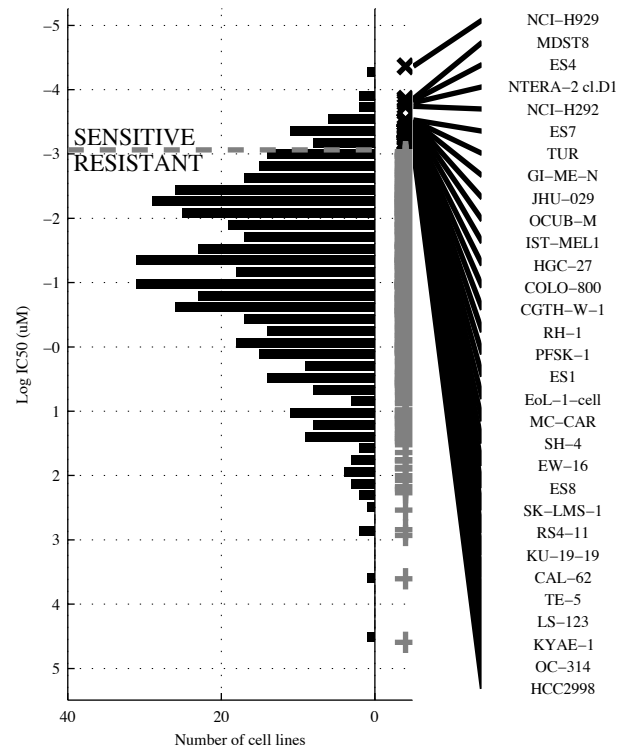
- DG-75
- NB69
- SNG-M
- GI-ME-N
- OCI-AML3
- NCI-H929
- SR
- CAL-62
- NOMO-1
- H9
- BT-474
- SBC-1
- OC-314
- IST-MES1
- HuP-T4
- SBC-3
- RL
- BHT-101
- NB-4
- A101D
- KU-19-19
- SKM-1
- G-MEL
- PCI-4B
- SW872
- RERF-LC-KJ
- KP-N-YN
- PFSK-1
- SU-DHL-10
- HCC2157
- UACC-62
- NUGC-4
- AMO-1
- KYSE-410
- RL95-2
- GR-ST
- GT3TKB
- MC-CAR



Model name	11	12	13	14	21	22	31	41
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>EP300</b>	<b>¬APC &amp; EP300</b>	<b>¬TP53 &amp; ¬d8p23 &amp; ¬d3p14.</b>	<b>¬TP53 &amp; ¬d8p23 &amp; ¬d6q25.2 &amp; a(ARFG)</b>	<b>EP300   JAK-ST</b>	<b>[¬d(SYNG) &amp; JAK-ST]</b>   <b>[ ¬APC &amp; EP300 ]</b>	<b>EP300   JAK-ST  </b>  <b>TLR-DO</b>	<b>EP300   JAK-ST  </b>  <b>H2O2-DITLR-DO</b>
TP   FP	7   31	7   18	13   86	15   90	12   40	12   23	14   59	16   65
FN   TN	31   419	31   432	25   364	23   360	26   410	26   427	24   391	22   385
Specificity	0.93	0.96	0.81	0.8	0.91	0.95	0.87	0.86
Precision	0.18	0.28	0.13	0.14	0.23	0.34	0.19	0.2
Recall	0.18	0.18	0.34	0.39	0.32	0.32	0.37	0.42

PANCAN  
 id: 1166 name: QL-VIII-58  
 target: MTOR, ATR class: TOR signaling

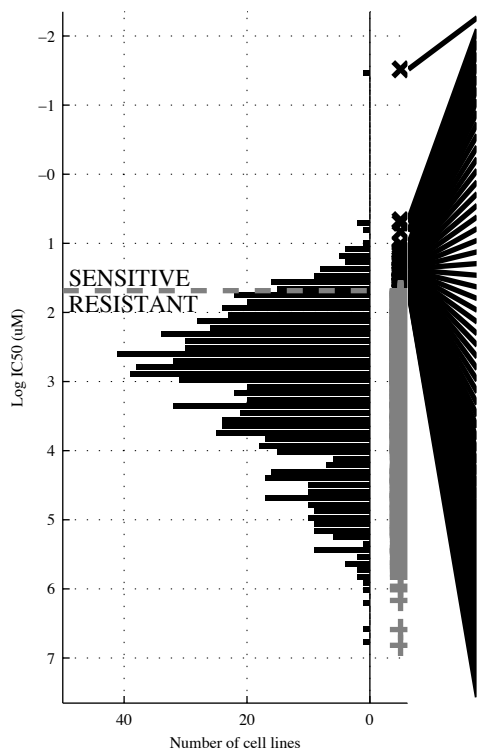
489 cell lines  
 31 sensitive



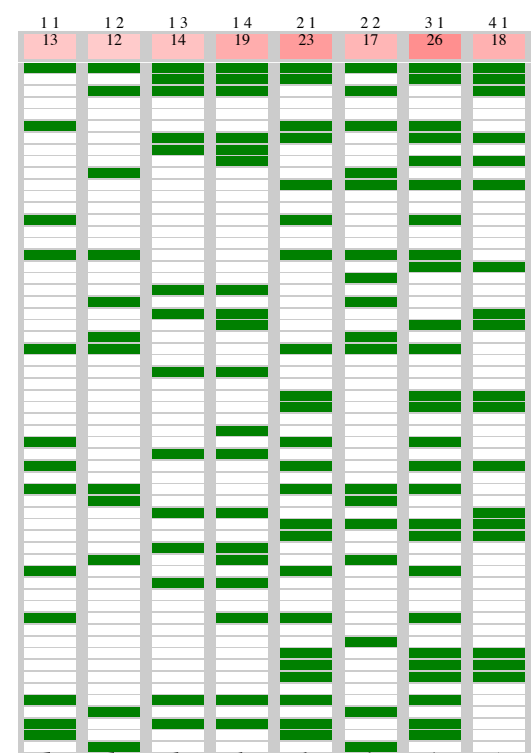
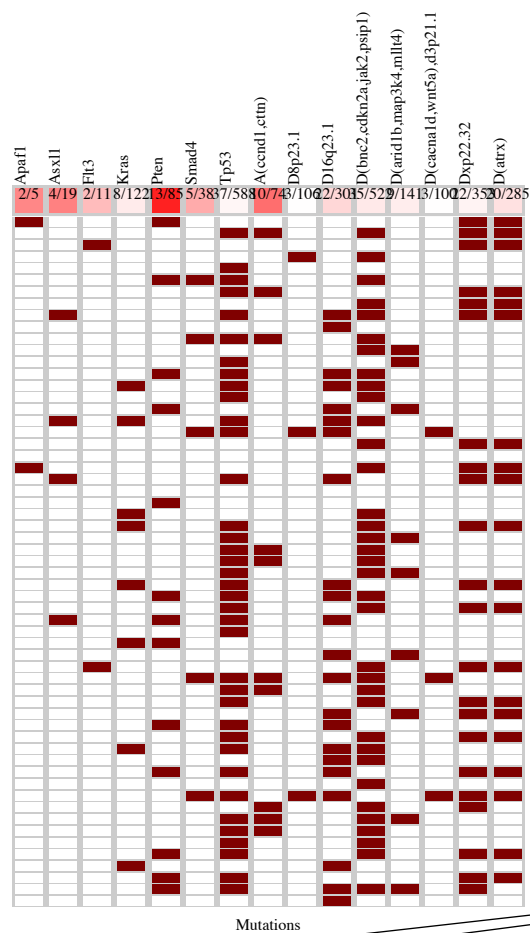
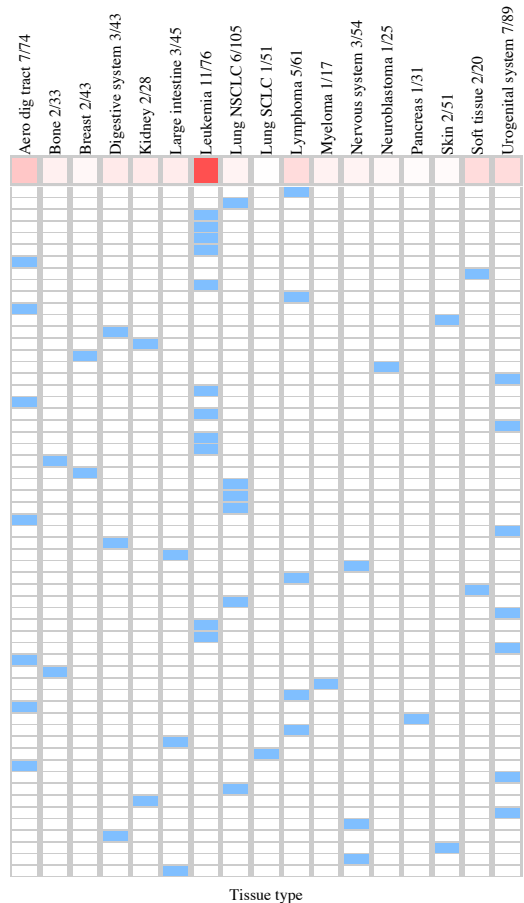
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d12p13</b>	<b>-d18q22 &amp; d16q23</b>	<b>-TP53 &amp; -d8p23 &amp; -d3p14.</b>	<b>-TP53 &amp; a(MYC &amp; -d3p14. &amp; a(MYCN</b>	<b>d12p13   d(ARFG</b>	<b>[ d12p13 &amp; -dXq28 ]   [ -dXp22 &amp; d22q11 ]</b>	<b>ARID1A   EWSR1-   d12p13</b>	<b>EWSR1-   a(AHR,   d12p13   d(ARFG</b>
TP   FP	2   10	12   91	10   89	11   84	7   44	5   10	12   52	15   90
FN   TN	29   448	19   367	21   369	20   374	24   414	26   448	19   406	16   368
Specificity	0.98	0.8	0.81	0.82	0.9	0.97	0.89	0.81
Precision	0.17	0.12	0.1	0.12	0.14	0.3	0.19	0.16
Recall	0.065	0.39	0.32	0.35	0.23	0.17	0.39	0.52

PANCAN  
 id: 1170 name: CCT018159  
 target: HSP90 class: other

883 cell lines  
 59 sensitive



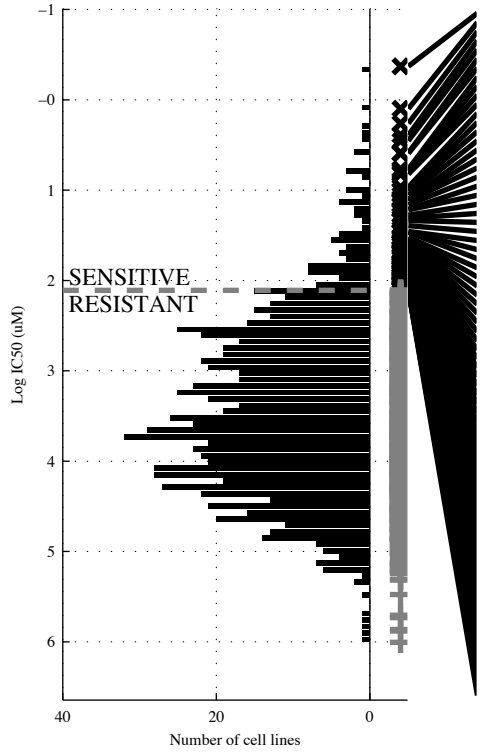
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 NCI-H3122  
 MV4-11  
 HAL-01  
 MOLM-16  
 MOLT-16  
 FADU  
 HT-1080  
 KASUMI-1  
 CRO-AP2  
 KYSE-150  
 A375  
 OCUM-1  
 786-0  
 MDA-MB-231  
 NB13  
 A2780  
 CCRF-CEM  
 BB30-HNC  
 OCI-AML2  
 PA-1  
 CTV-1  
 MONO-MAC-6  
 Hu09  
 CAL-51  
 A549  
 NCI-H2030  
 NCI-H1755  
 KYSE-510  
 DSI1  
 GT3TKB  
 HCT-15  
 D-566MG  
 OCI-LY7  
 SK-UT-1  
 PC-14  
 SNG-M  
 RPMI-8866  
 MOLM-13  
 SW954  
 EC-GI-10  
 HOS  
 NCI-H929  
 TUR  
 Ca9-22  
 PSN1  
 SUP-M2  
 KM12  
 NCI-H1341  
 CAL-33  
 KU-19-19  
 NCI-H1975  
 RXF393  
 OC-314  
 U-118-MG  
 AGS  
 A2058  
 U251  
 SW48



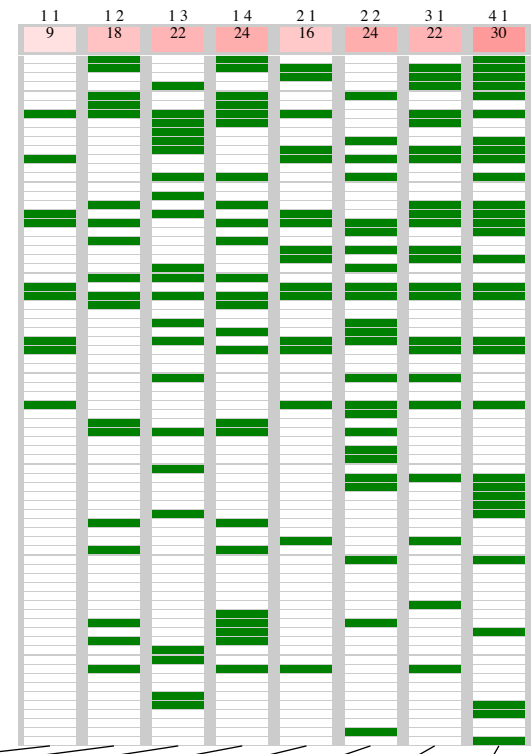
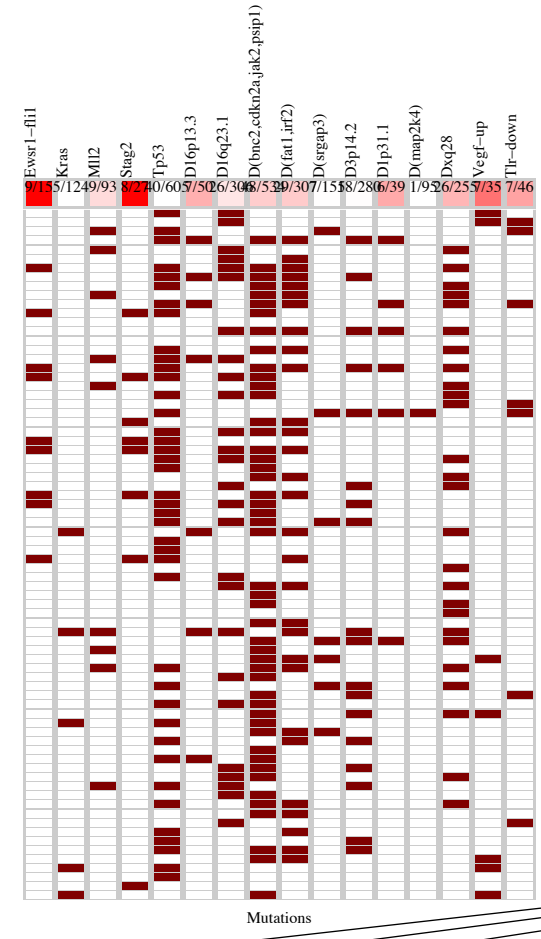
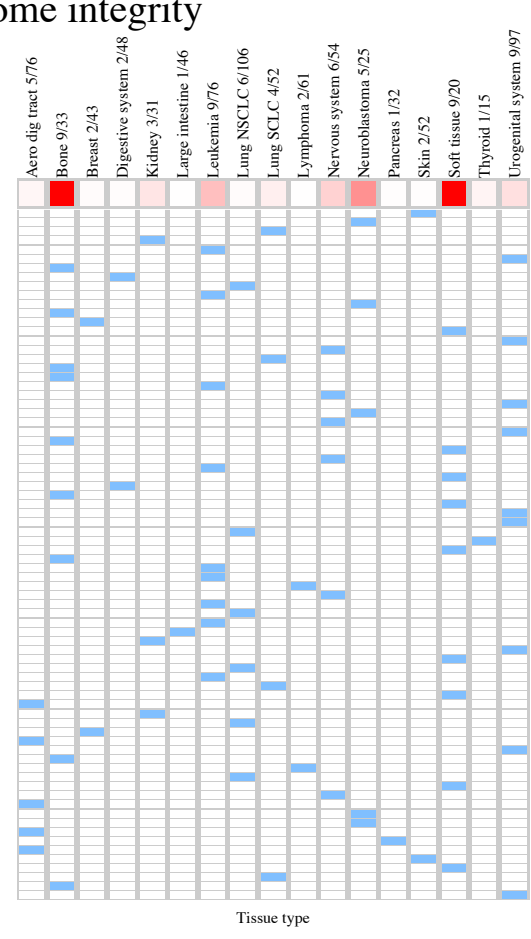
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>PTEN</b>	<b>-TP53 &amp; d(BNC2)</b>	<b>-d16q23 &amp; d(ARI1)</b>	<b>-d8p23 &amp; d(CAC)</b>	<b>PTEN   a(CCND)</b>	<b>[ -KRAS &amp; SMAD4 ]</b>   <b>[ -TP53 &amp; d(BNC2) ]</b>	<b>ASXL1   PTEN  </b>  <b>a(CCND)</b>	<b>APAF1   ASXL1  </b>  <b>FLT3   a(CCND)</b>
TP   FP	13   72	12   84	14   117	19   146	23   133	17   100	26   146	18   88
Specificity	0.91	0.9	0.86	0.82	0.84	0.88	0.82	0.83
FN   TN	46   752	47   740	45   707	40   678	36   691	42   724	33   678	41   736
Precision	0.15	0.13	0.11	0.12	0.15	0.15	0.15	0.16
Recall	0.22	0.2	0.24	0.32	0.39	0.28	0.44	0.44

PANCAN  
 id: 1175 name: AG-014699  
 target: PARP1, PARP2 class: Genome integrity

906 cell lines  
 76 sensitive



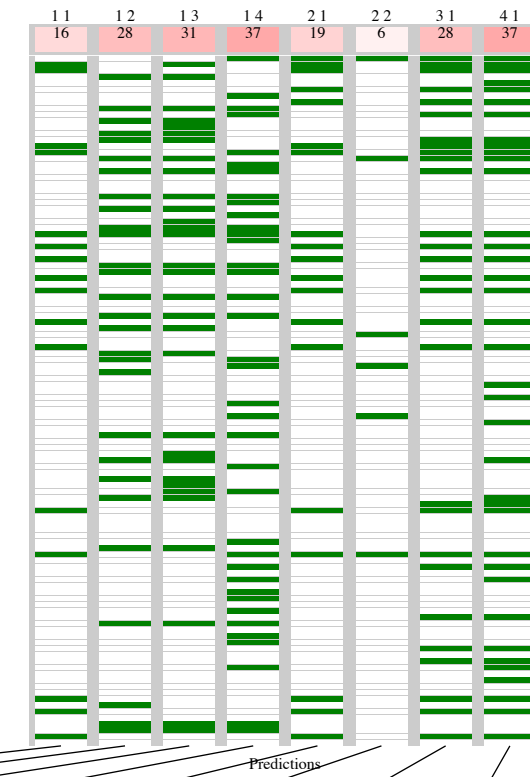
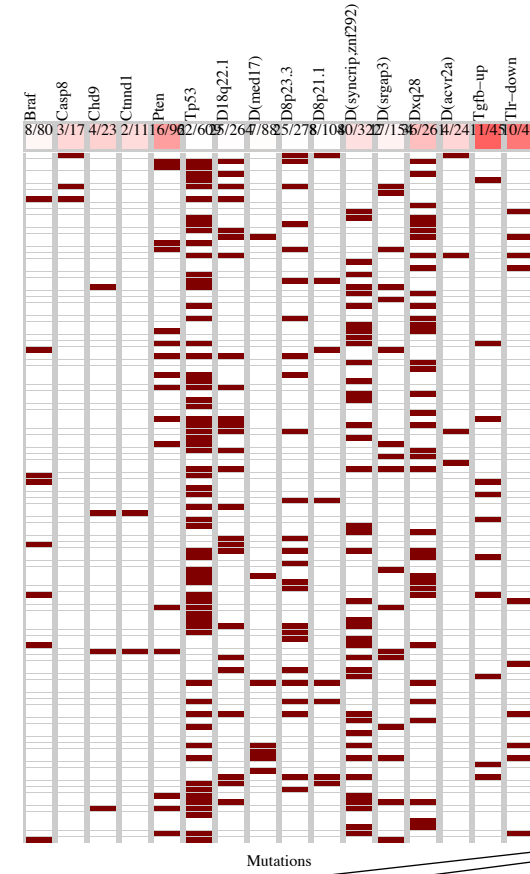
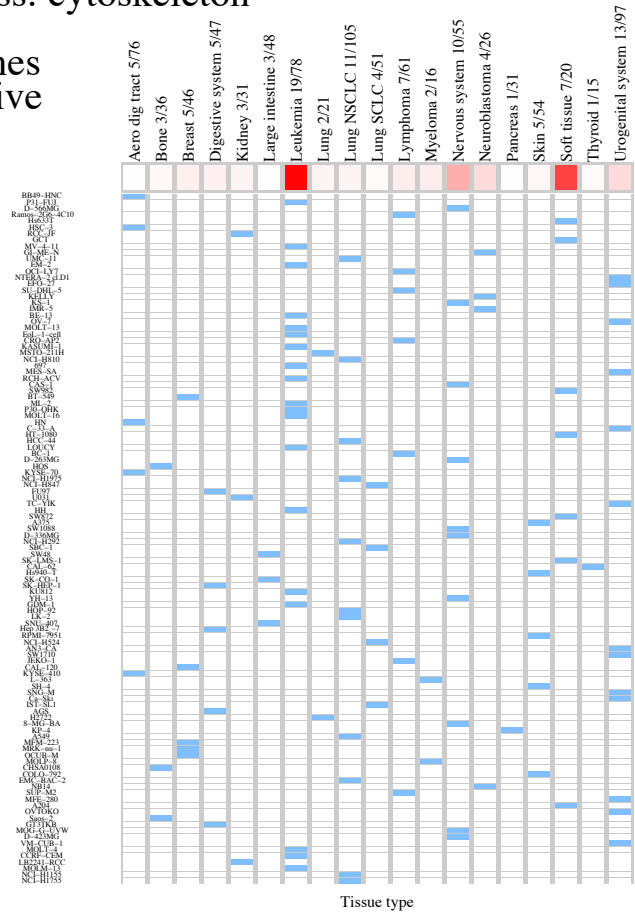
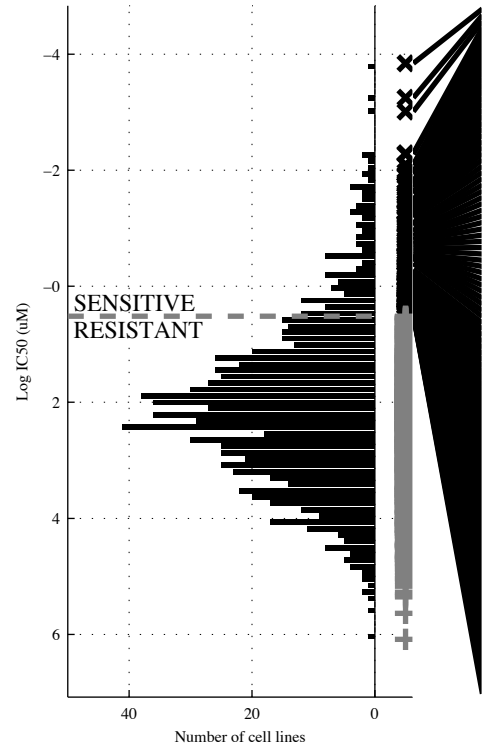
- COLO-800
- NCI-H209
- RXP393
- 607
- A2780
- ES1
- HCC-27
- NCI-H1051
- SUP-B15
- KELLY
- EW-11
- CAL-51
- KYM-1
- PA-1
- U118-SG
- NCI-H1048
- ESK
- SK-ES-1
- BV-173
- NTERA-2 cl.D1
- NB1
- H4
- OVCA8-8
- ES7
- RH-
- S-MG-BA
- MOLT-16
- HT-1080
- HUTU-80
- EW-22
- A673
- DSH1
- SW954
- LU-99A
- BHT-101
- GCL
- ES4
- MV-11
- AL-PO
- SK
- ONS-76
- MOLM-13
- NCI-H1395
- HAI-401
- HCT-116
- LB996-RCC
- KU-18-19
- SW982
- UK-2
- NKM-1
- HL-135
- G-402
- PC-14B
- LE224-RCC
- NCI-H2030
- MCF7
- FADU
- BHF-1
- Hu0-3N1
- SUP-M2
- LCLC-103H
- SK-UT-1
- GAMG
- KON
- GB17
- NB10
- KOSG-2
- HL8
- TE-8
- A375
- H663T
- LU-134-A
- Hu09
- Hey



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>EWSR1-</b>	<b>d16q23 &amp; -d3p14.</b>	<b>d(BNC2&amp;d(FAT1&amp;</b> <b>-d(SRGA</b>	<b>-KRAS&amp; d16q23 &amp;</b> <b>-d(SRGA &amp; d(MAP2</b>	<b>EWSR1-TLR-DO</b>	<b>[ -TP53 &amp; dXq28 ]</b> <b> </b> <b>[ STAG2&amp;d(SRGA]</b>	<b>EWSR1-  d16p13  </b> <b>TLR-DO</b>	<b>EWSR1-  MLL2  </b> <b>d1p31.  VEGF-U</b>
TP   FP Specificity	9   6 0.99	18   157 0.81	22   128 0.84	24   144 0.83	16   44 0.95	24   102 0.89	22   83 0.9	30   143 0.83
FN   TN Precision	67   824 0.6	58   673 0.1	54   702 0.15	52   686 0.14	60   786 0.27	52   728 0.21	54   747 0.21	46   687 0.17
Recall	0.12	0.24	0.31	0.32	0.21	0.29	0.29	0.39

PANCAN  
 id: 1192 name: GSK269962A  
 target: ROCK1, ROCK2 class: cytoskeleton

914 cell lines  
 110 sensitive



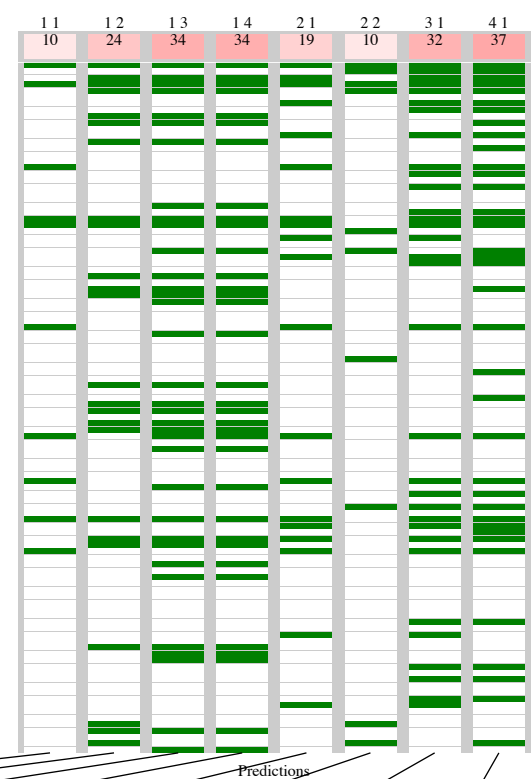
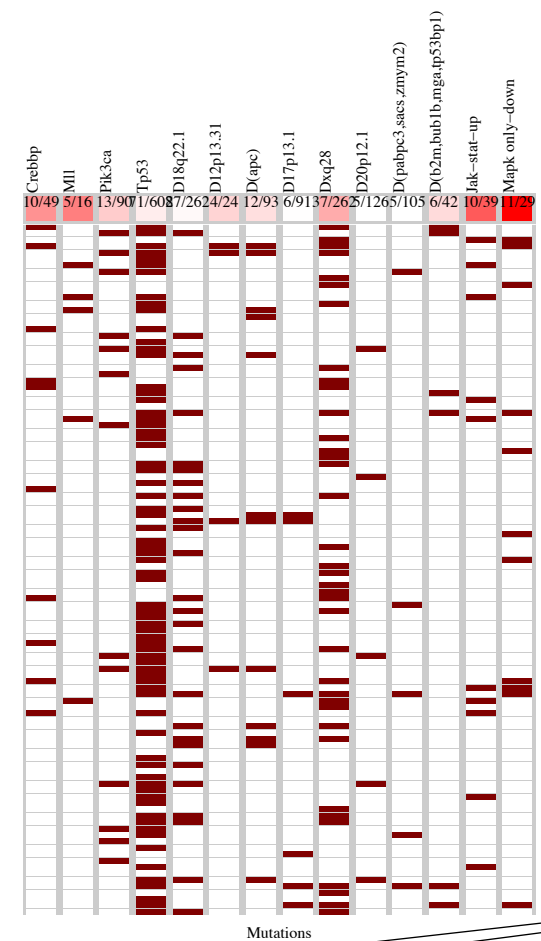
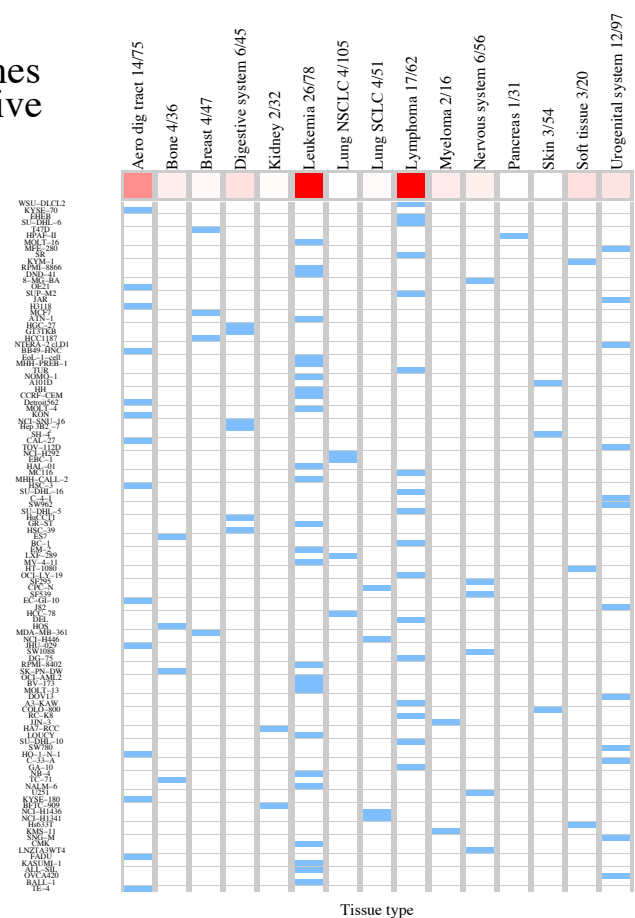
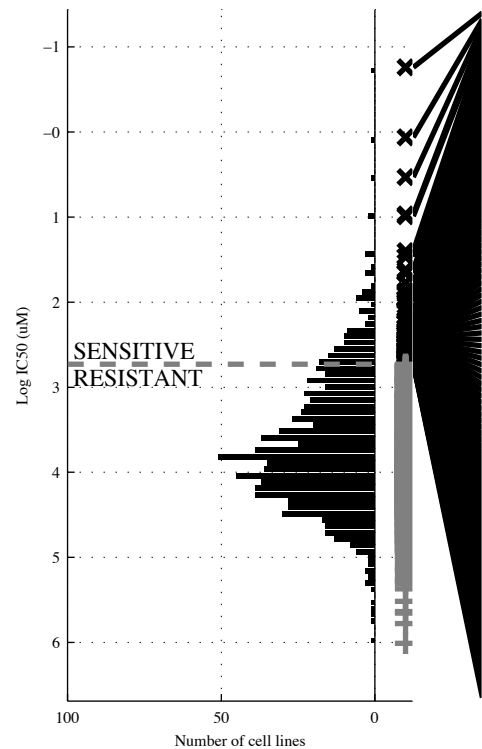
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>PTEN</b>	<b>-d8p23.&amp; dXq28</b>	<b>-d8p21.&amp;d(SRG&amp; dXq28</b>	<b>-BRAF&amp; -TP53 &amp; -d18q22.&amp;d(MED1</b>	<b>CASP8   PTEN</b>	<b>[ -d(SYNG&amp;d(ACVR)   [ CHD9 &amp; CTNND1]</b>	<b>CASP8   PTEN   TLR-DO</b>	<b>CASP8   PTEN   TGFB-UTLR-DO</b>
TP   FP	16   76	28   139	31   139	37   147	19   86	6   10	28   118	37   144
FN   TN	94   728	82   665	79   665	73   657	91   718	104   794	82   686	73   660
Specificity	0.91	0.83	0.82	0.82	0.89	1	0.85	0.82
Precision	0.17	0.17	0.18	0.2	0.18	0.79	0.19	0.2
Recall	0.15	0.25	0.29	0.34	0.17	0.018	0.25	0.34





PANCAN  
 id: 1199 name: Tamoxifen  
 target: ER class: other

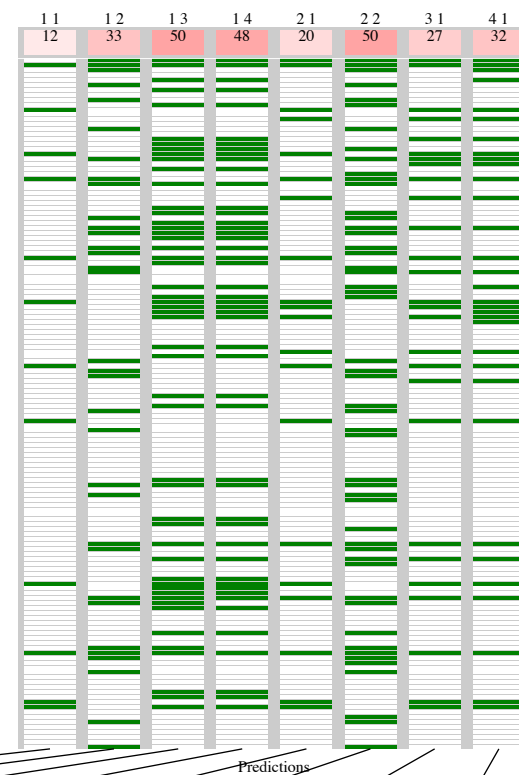
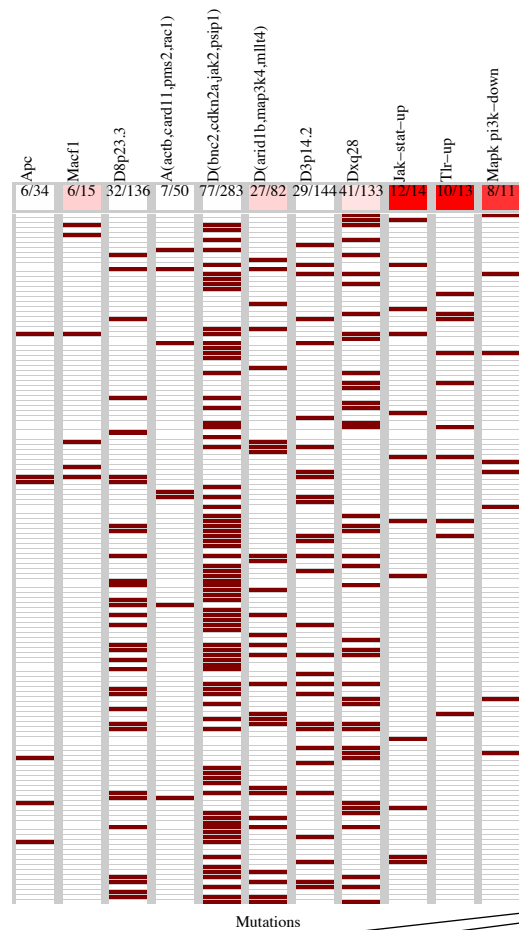
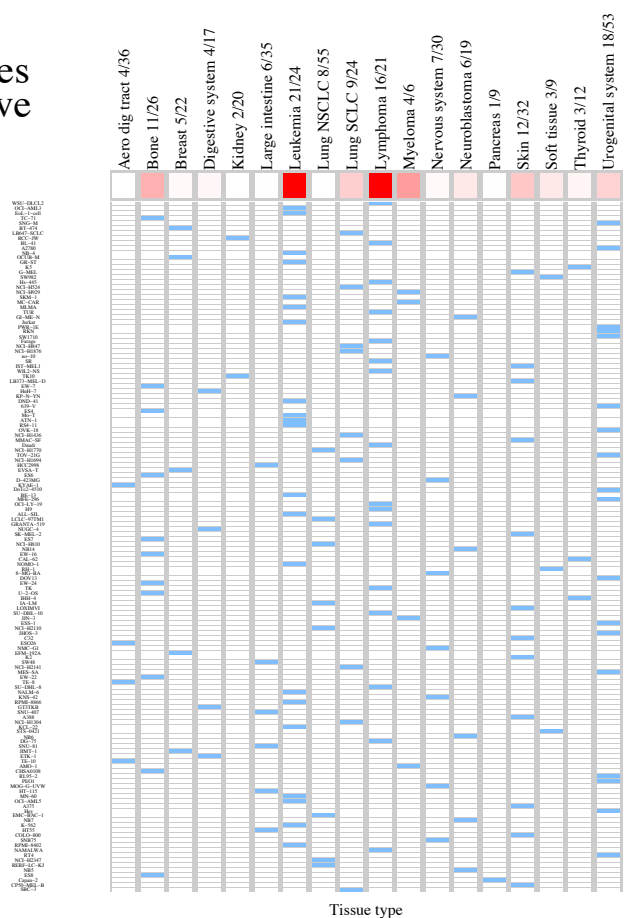
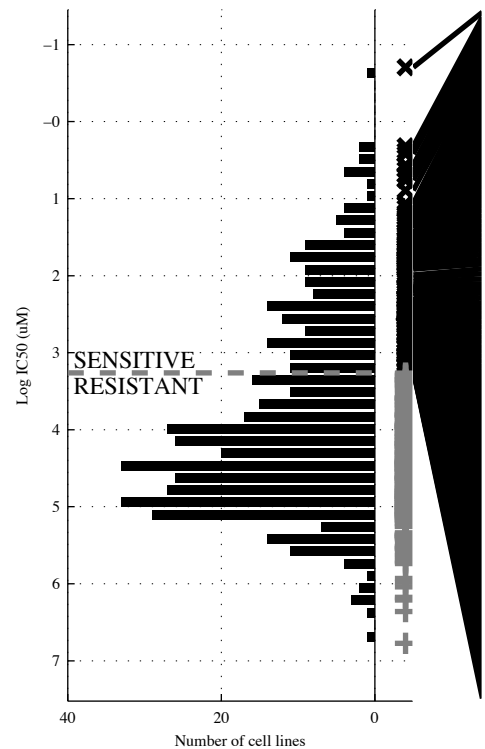
914 cell lines  
 108 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>CREBBP</b>	<b>-d18q22&amp; dXq28</b>	<b>-d17p13&amp; dXq28 &amp; -d20p12</b>	<b>-d17p13&amp; dXq28 &amp; -d20p12&amp;d(PABP)</b>	<b>CREBBP JAK-ST</b>	<b>[ d12p13&amp;d(APC) ]   [ TP53 &amp;d(B2M,) ]</b>	<b>CREBBP PIK3CA  JAK-ST</b>	<b>CREBBP  MLL   PIK3CA MAPK o</b>
TP   FP Specificity	10   39 0.95	24   150 0.81	34   136 0.83	34   107 0.87	19   63 0.92	10   19 0.96	32   133 0.83	37   130 0.84
FN   TN Precision	98   767 0.2	84   656 0.14	74   670 0.2	74   699 0.24	89   743 0.23	98   787 0.32	76   673 0.19	71   676 0.22
Recall	0.093	0.22	0.31	0.31	0.18	0.11	0.3	0.34

PANCAN  
 id: 1203 name: QL-XII-61  
 target: BTK class: other

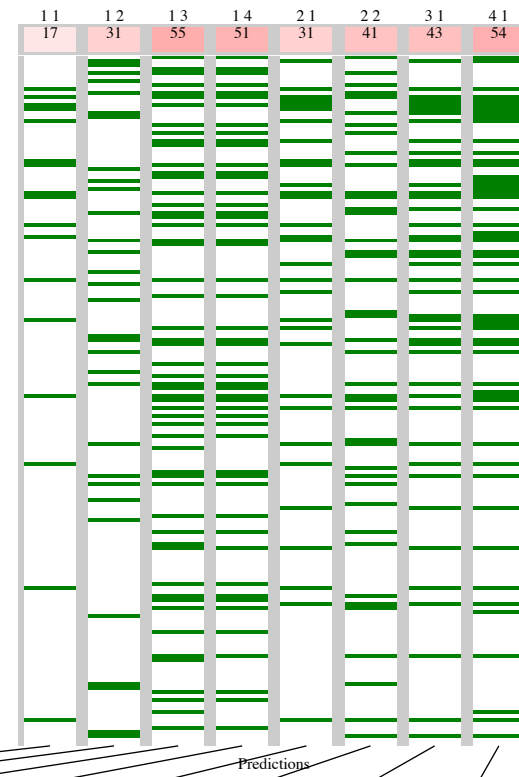
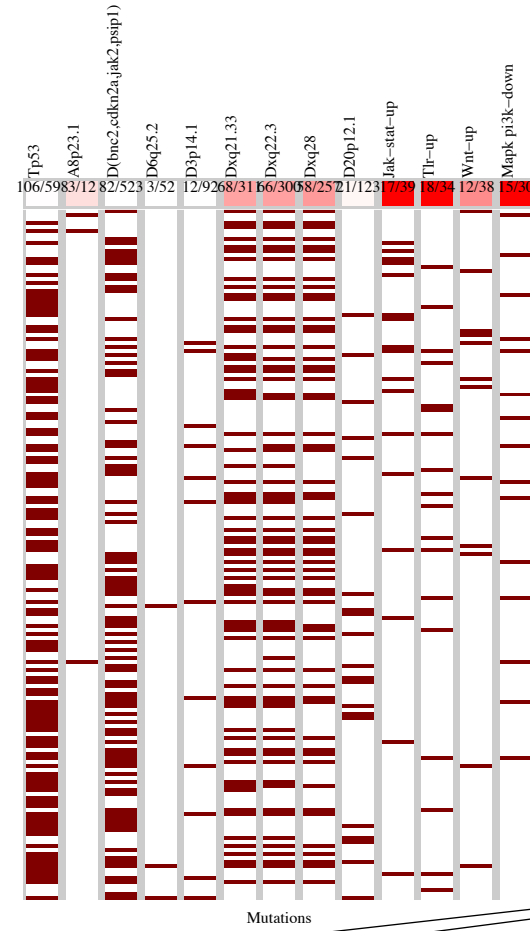
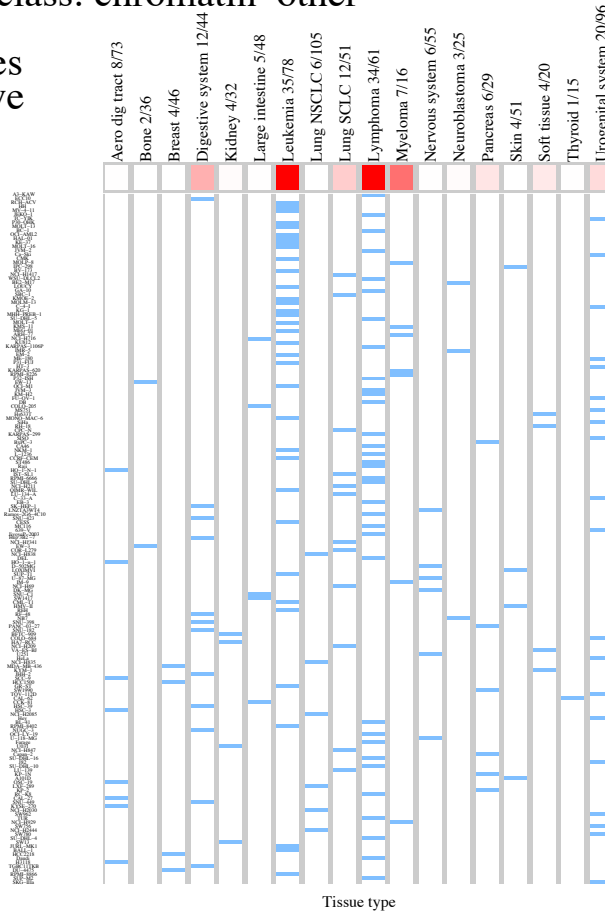
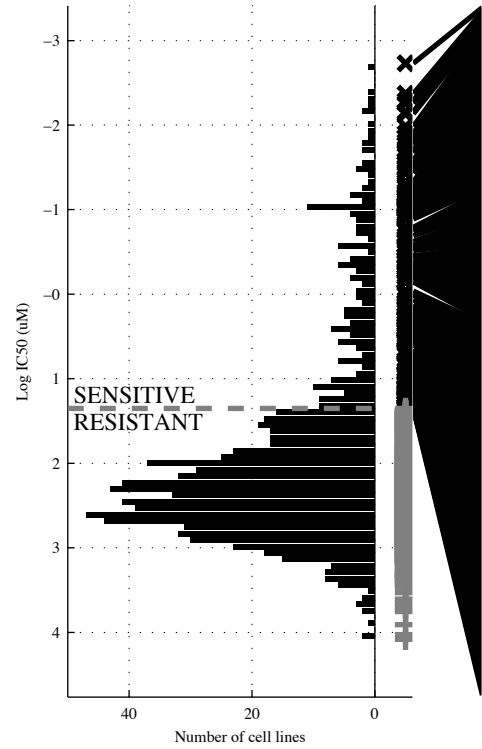
465 cell lines  
 140 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>JAK-ST</b>	<b>-d3p14.&amp; dXq28</b>	<b>-d8p23.&amp;a(ACT1L3)</b> <b>-d(BNC2)</b>	<b>-APC &amp;-d8p23.&amp;</b> <b>-a(ACT1L3)&amp;-d(BNC2)</b>	<b>JAK-ST MAPK P</b>	<b>[ -d8p23.&amp;d(ARID1B) ]</b> <b> </b> <b>[ -d3p14.&amp; dXq28 ]</b>	<b>JAK-ST TLR-UP </b> <b>MAPK P</b>	<b>MACF1 JAK-ST </b> <b>TLR-UP MAPK P</b>
TP   FP	12   2	33   44	50   63	48   50	20   5	50   62	27   7	32   16
Specificity	0.99	0.86	0.81	0.85	0.98	0.81	0.98	0.93
FN   TN	128   323	107   281	90   262	92   275	120   320	90   263	113   318	108   309
Precision	0.86	0.43	0.44	0.49	0.8	0.45	0.79	0.63
Recall	0.086	0.24	0.36	0.34	0.14	0.36	0.19	0.25

PANCAN  
 id: 1218 name: JQ1  
 target: BRD2, BRD3, BRD4 class: chromatin other

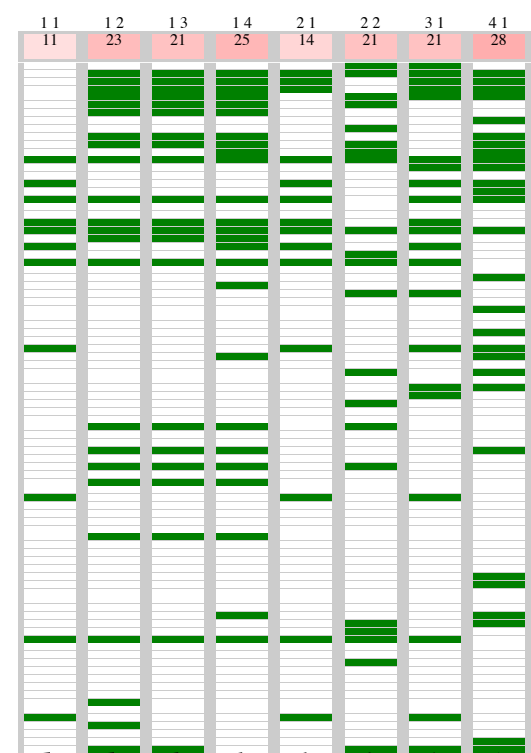
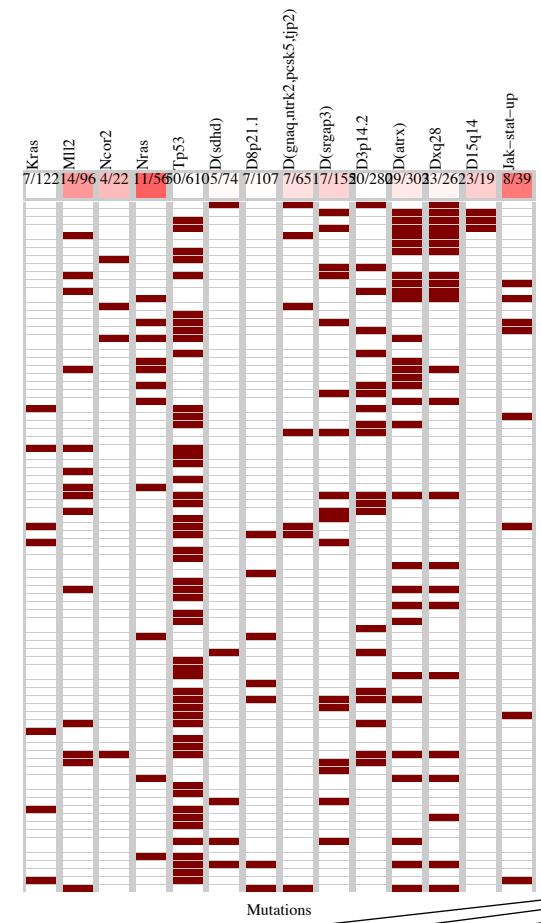
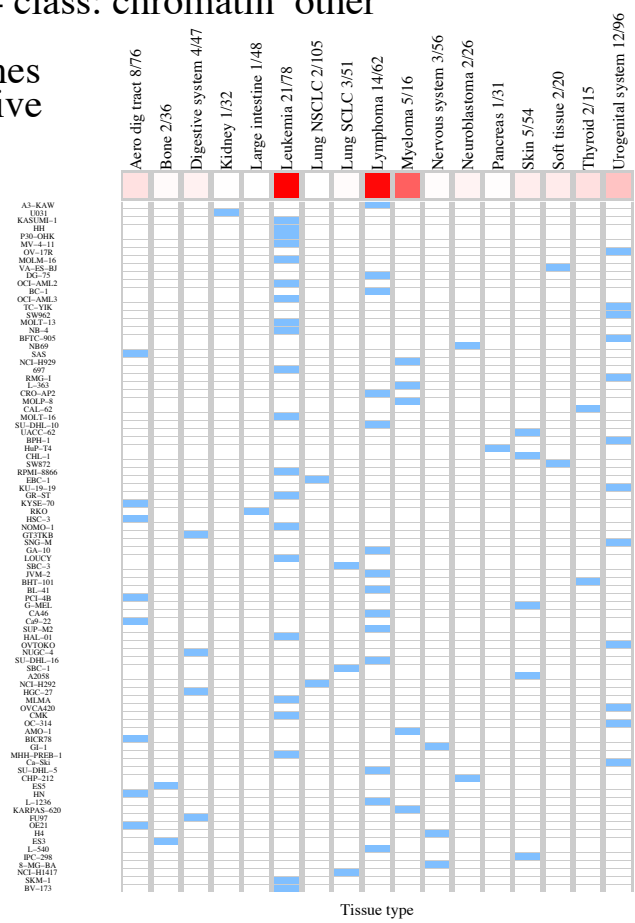
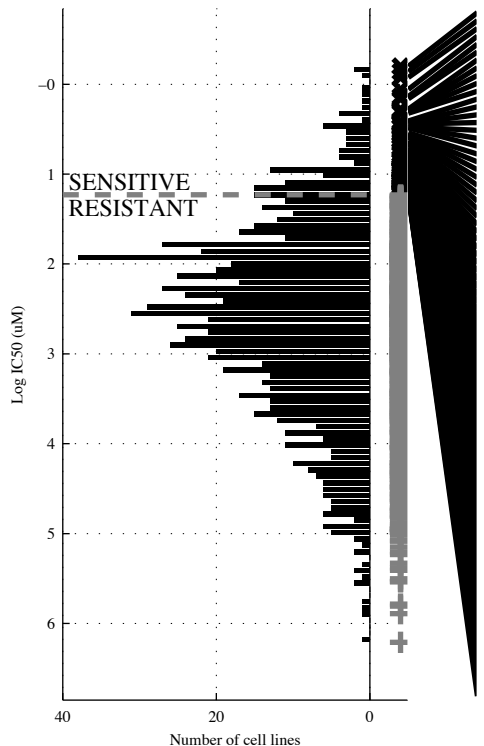
901 cell lines  
 173 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>JAK-ST</b>	<b>~TP53 &amp; d(BNC2)</b>	<b>dXq21. &amp; dXq28 &amp; ~d20p12</b>	<b>~d6q25. &amp; ~d3p14. &amp; dXq28 &amp; ~d20p12</b>	<b>JAK-STIMAPK P</b>	<b>[ ~a8p23. &amp; TLR-UP ]</b>   <b>[ ~TP53 &amp; dXq22. ]</b>	<b>JAK-STITLR-UP</b>  <b>MAPK P</b>	<b>JAK-STITLR-UP</b>  <b>Wnt-UPIMAPK P</b>
TP   FP Specificity	17   22 0.97	31   72 0.9	55   143 0.81	51   106 0.85	31   37 0.95	41   101 0.89	43   50 0.93	54   75 0.9
FN   TN Precision	156   706 0.44	142   656 0.3	118   585 0.28	122   622 0.32	142   691 0.46	132   627 0.35	130   678 0.46	119   653 0.42
Recall	0.098	0.18	0.31	0.3	0.18	0.21	0.25	0.31

PANCAN  
 id: 1219 name: PFI-1  
 target: BRD2, BRD3, BRD4 class: chromatin other

917 cell lines  
 88 sensitive

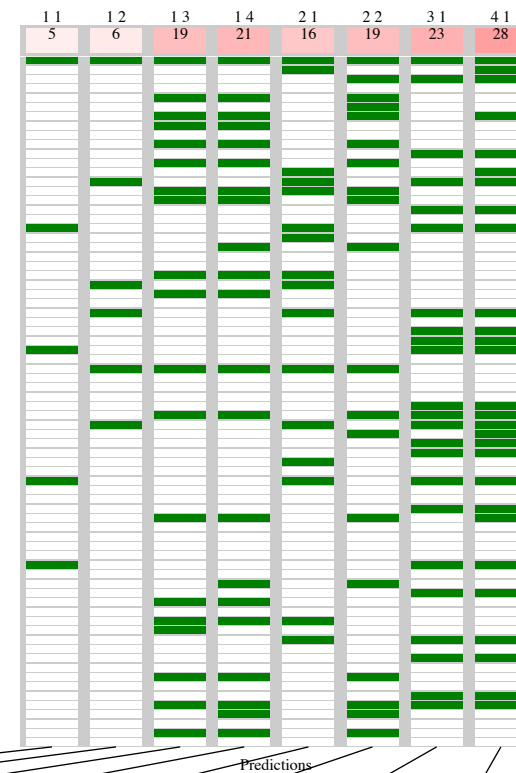
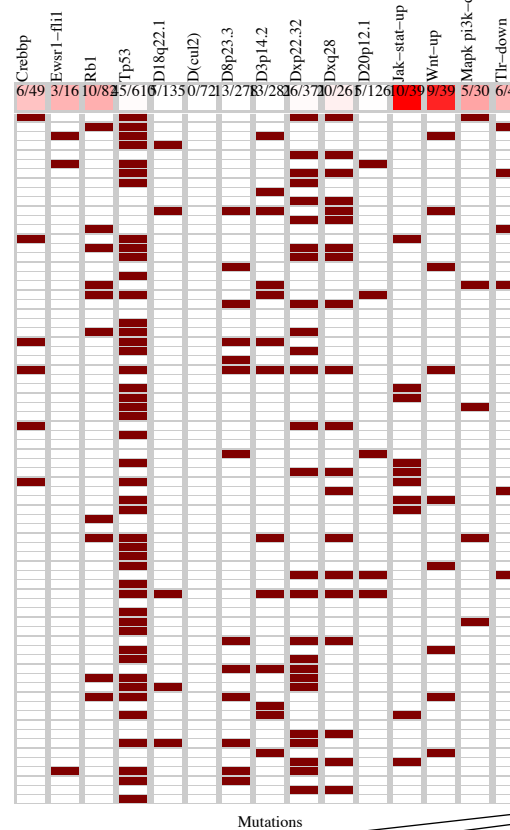
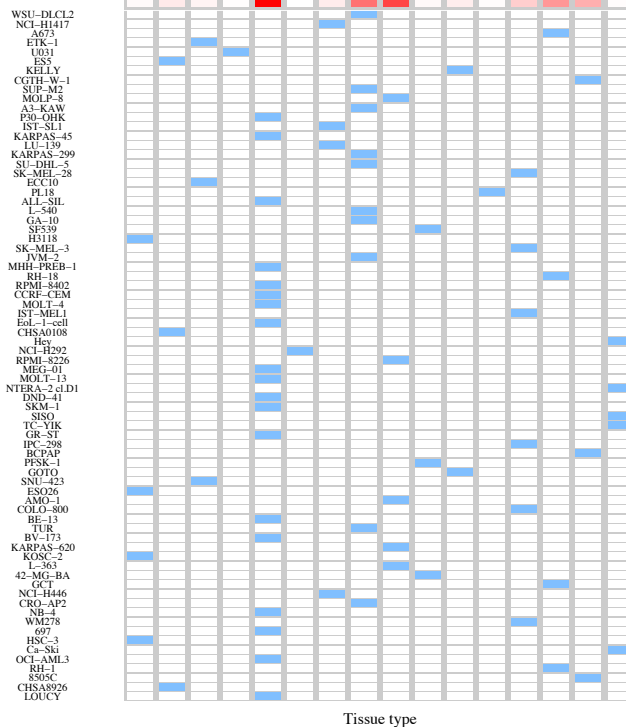
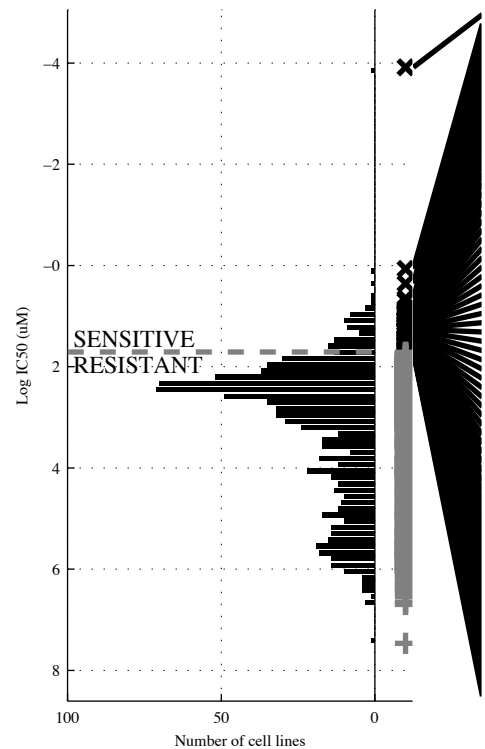


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>NRAS</b>	<b>-d3p14.&amp;d(ATRX)</b>	<b>-d(SDHI)&amp;-d3p14.&amp;d(ATRX)</b>	<b>-KRAS&amp;d(SDHI)&amp;-d8p21.&amp;d(ATRX)</b>	<b>NRAS   d15q14</b>	<b>[ -TP53 &amp; dXq28 ]   [ -TP53 &amp; d(SRGA) ]</b>	<b>NRAS   d(GNAQ1)   d15q14</b>	<b>MLL2   NCOR2   d15q14   JAK-ST</b>
TP   FP	11   45	23   164	21   134	25   158	14   61	21   108	21   112	28   134
Specificity	0.95	0.8	0.84	0.81	0.93	0.87	0.86	0.84
FN   TN	77   784	65   665	67   695	63   671	74   768	67   721	67   717	60   695
Precision	0.2	0.12	0.14	0.13	0.19	0.16	0.16	0.17
Recall	0.13	0.26	0.24	0.28	0.16	0.24	0.24	0.32



PANCAN  
 id: 1236 name: UNC0638  
 target: G9a(EHMT2), GLP(EHMT1) class: chromatin histone methylation

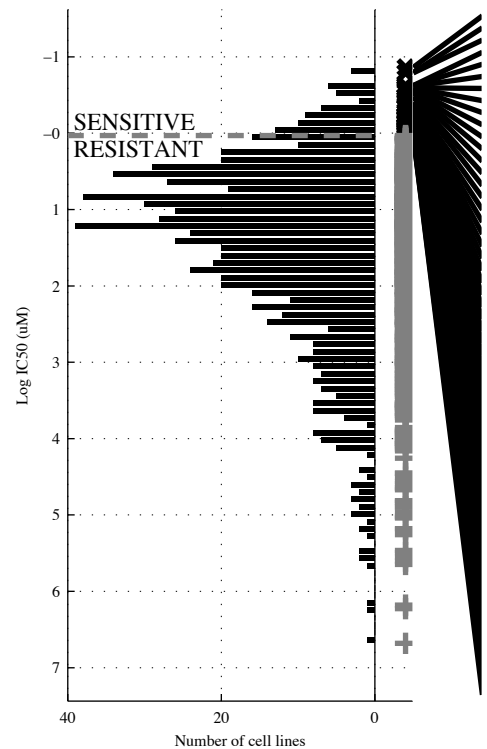
917 cell lines  
 74 sensitive



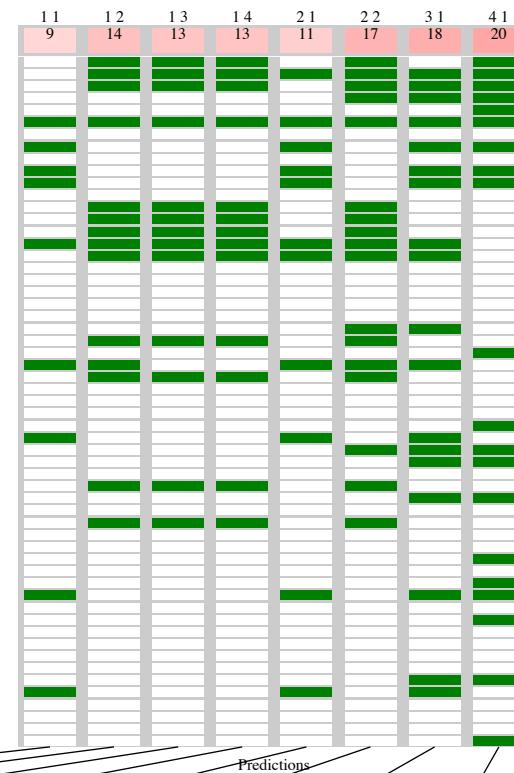
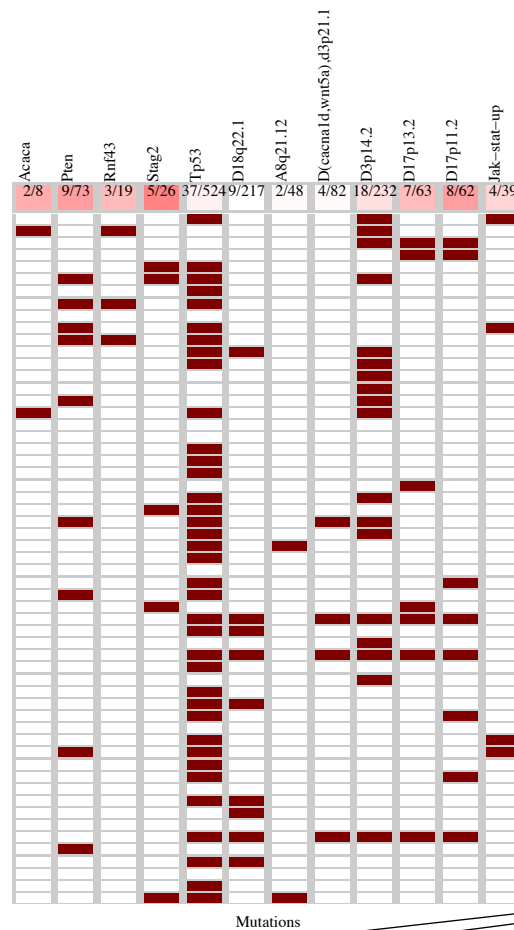
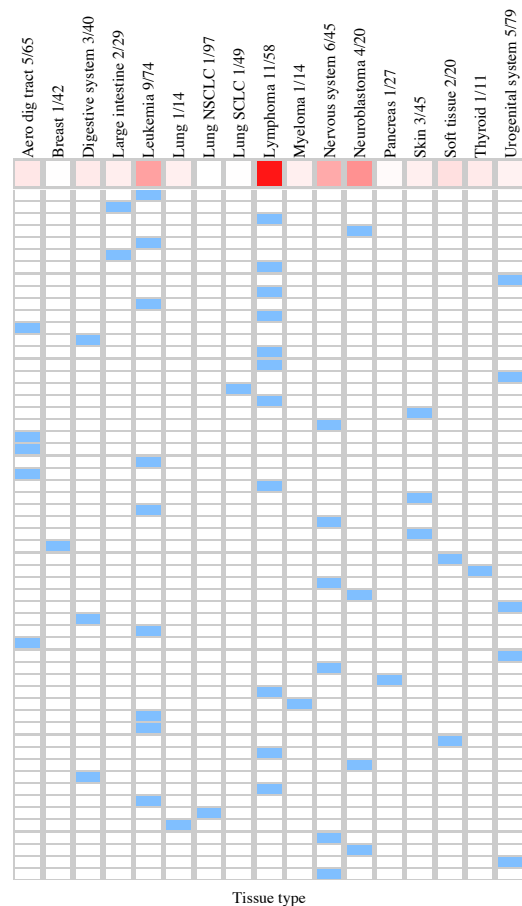
Model name	11	12	13	14	21	22	31	41
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MAPK P</b>	<b>CREBBP &amp; -d20p12</b>	<b>-d8p23.3 &amp; -d3p14.2 &amp; dXp22.</b>	<b>-d18q22.1 &amp; d(CUL2) &amp; -d3p14.2 &amp; dXp22.</b>	<b>CREBBP RB1</b>	<b>[ EWSR1 &amp; TP53 ]</b>   <b>[ -d3p14.2 &amp; dXq28 ]</b>	<b>JAK-STI Wnt-UP</b>   <b>MAPK P</b>	<b>JAK-STI Wnt-UP</b>   <b>MAPK P TLR-DO</b>
TP   FP	5   25	6   31	19   134	21   153	16   108	19   148	23   82	28   112
Specificity	0.97	0.96	0.84	0.85	0.87	0.82	0.9	0.87
FN   TN	69   818	68   812	55   709	53   690	58   735	55   695	51   761	46   731
Precision	0.17	0.16	0.12	0.13	0.13	0.11	0.22	0.2
Recall	0.068	0.081	0.26	0.25	0.22	0.26	0.31	0.38

PANCAN  
 id: 1239 name: YK 4-279  
 target: RNA helicase A class: other

783 cell lines  
 57 sensitive



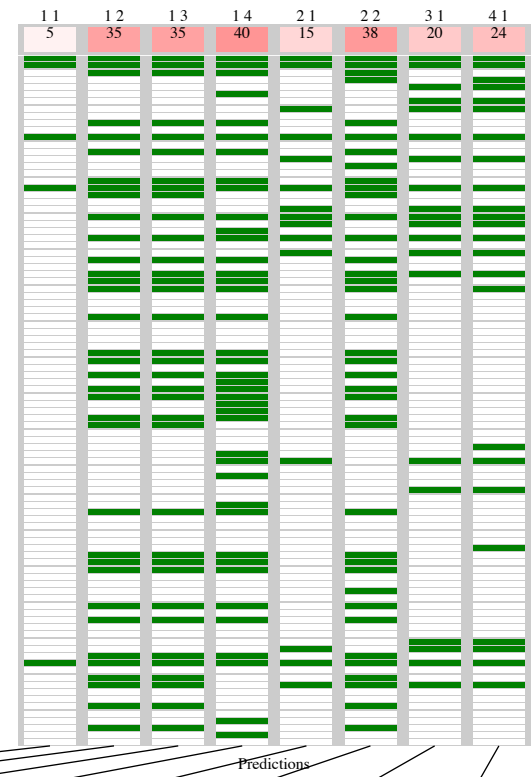
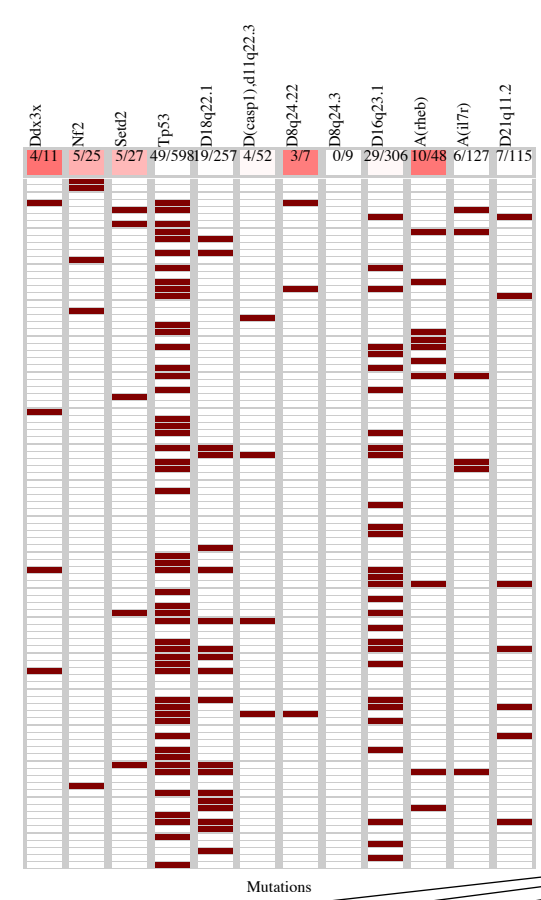
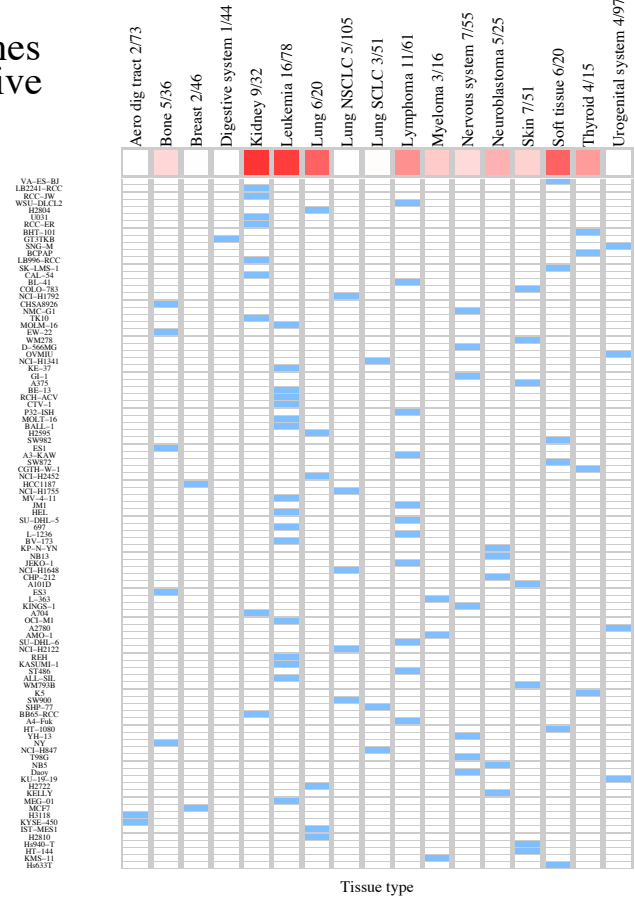
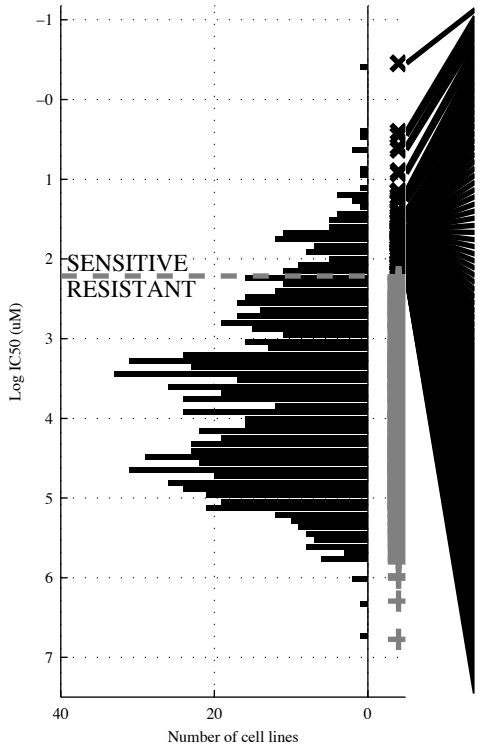
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 P32-ISH  
 NH-12  
 MOLM-16  
 HCC2998  
 TK  
 MFE-296  
 SR  
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 TLR  
 HNC-2  
 HGC-27  
 BC-1  
 CRO-AP2  
 MES-SA  
 SBC-5  
 JVM-3  
 G-MEL  
 8-MG-BA  
 HN  
 TE-10  
 ALL-SIL  
 HO-1-N-1  
 DEI  
 WM1552C  
 K-562  
 GI-1  
 COLO-800  
 HCC1187  
 SK-LMS-1  
 ASH-3  
 H4  
 NB5  
 BFTC-905  
 HUTU-80  
 MLM-A  
 KOSC-2  
 JAR  
 Becker  
 PSN1  
 BL-41  
 AMO-1  
 KM0E-2  
 Jurkat  
 RH-41  
 Jeko-1  
 GOTO  
 GT3TKB  
 L-840  
 BV-173  
 LC-2-ad  
 H290  
 Daoy  
 NB10  
 5637  
 MOG-G-UWV



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	PTEN	<del>d18q22</del> & d3p14.	<del>d18q22</del> & d(CACN) & d3p14.	<del>d18q22</del> & <del>a8q21</del> & <del>d(CACN)</del> & d3p14.	ACACA   PTEN	[ <del>d18q22</del> & d3p14. ]   [ <del>TP53</del> & d17p13 ]	ACACA   PTEN   d17p13	RNF43   STAG2   d17p11   JAK-ST
TP   FP	9   64	14   120	13   83	13   73	11   69	17   129	18   121	20   114
Specificity	0.91	0.83	0.89	0.9	0.9	0.81	0.83	0.84
FN   TN	48   662	43   606	44   643	44   653	46   657	40   597	39   605	37   612
Precision	0.12	0.1	0.14	0.15	0.14	0.12	0.13	0.15
Recall	0.16	0.25	0.23	0.23	0.19	0.33	0.32	0.35

PANCAN  
 id: 1241 name: CHIR-99021  
 target: GSK3B class: WNT signaling

901 cell lines  
 96 sensitive

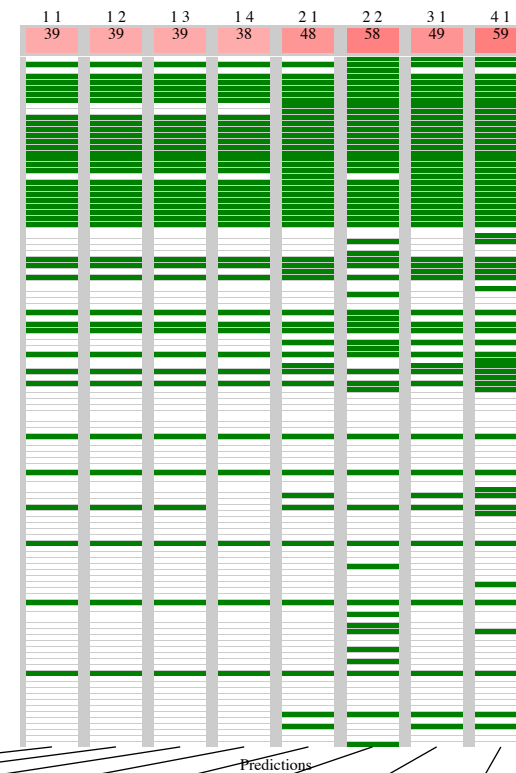
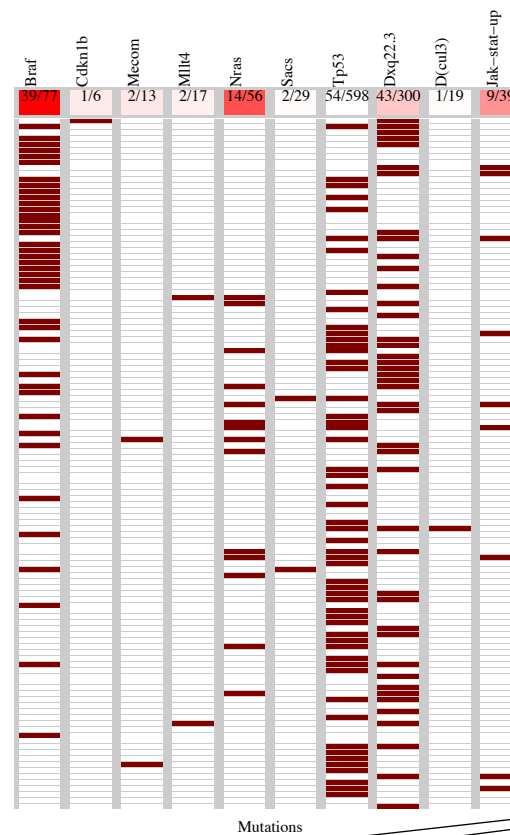
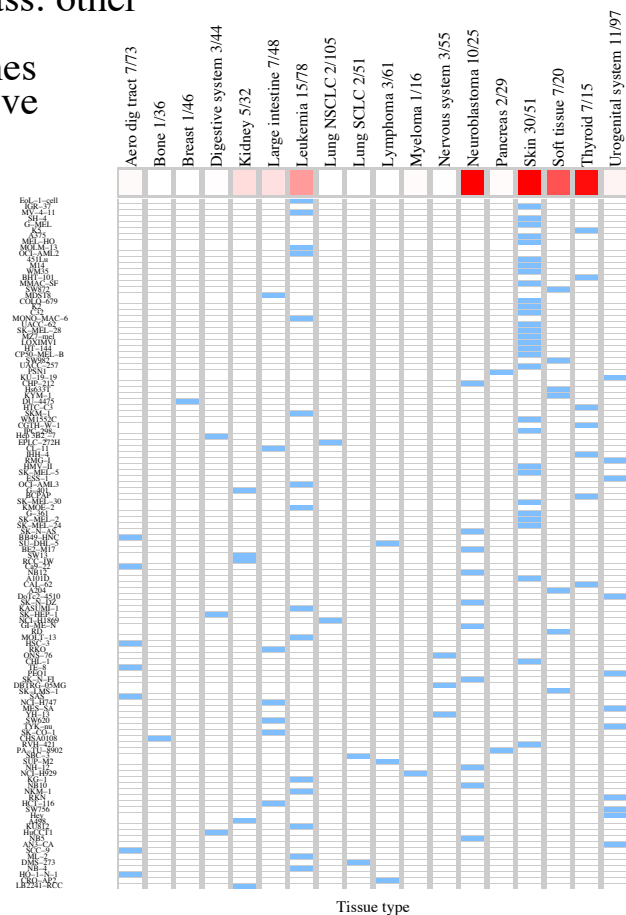
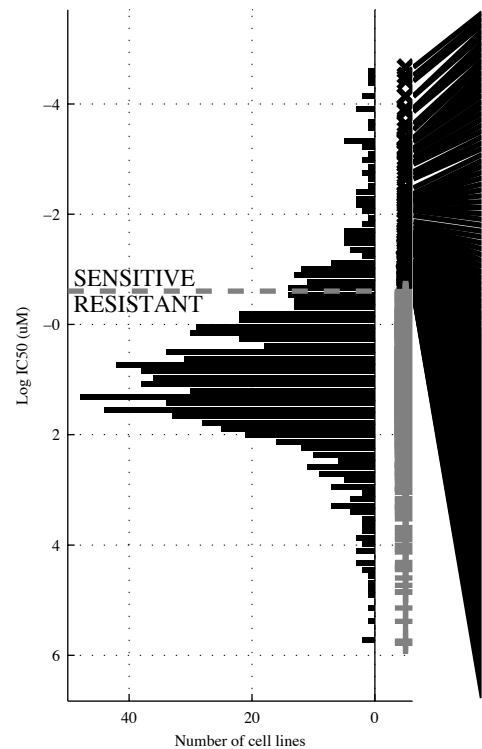


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>NF2</b>	<b>-TP53 &amp; ~d16q23</b>	<b>-TP53 &amp; ~d16q23 &amp; ~d21q11</b>	<b>-TP53 &amp; ~d18q22 &amp; ~d(CAS1) &amp; ~a(IL7R)</b>	<b>NF2   a(RHEB)</b>	<b>[ d8q24. &amp; ~d8q24. ]   [ ~TP53 &amp; ~d16q23 ]</b>	<b>NF2   SETD2   a(RHEB)</b>	<b>DDX3X   NF2   SETD2   a(RHEB)</b>
TP   FP	5   20	35   161	35   145	40   161	15   58	38   161	20   77	24   83
Specificity	0.98	0.8	0.82	0.8	0.93	0.8	0.9	0.9
FN   TN	91   785	61   644	61   660	56   644	81   747	58   644	76   728	72   722
Precision	0.2	0.18	0.19	0.2	0.21	0.19	0.21	0.22
Recall	0.052	0.35	0.36	0.42	0.16	0.39	0.21	0.25



PANCAN  
 id: 1242 name: (5Z)-7-Oxozeanol  
 target: MAP3K7 (TAK1) class: other

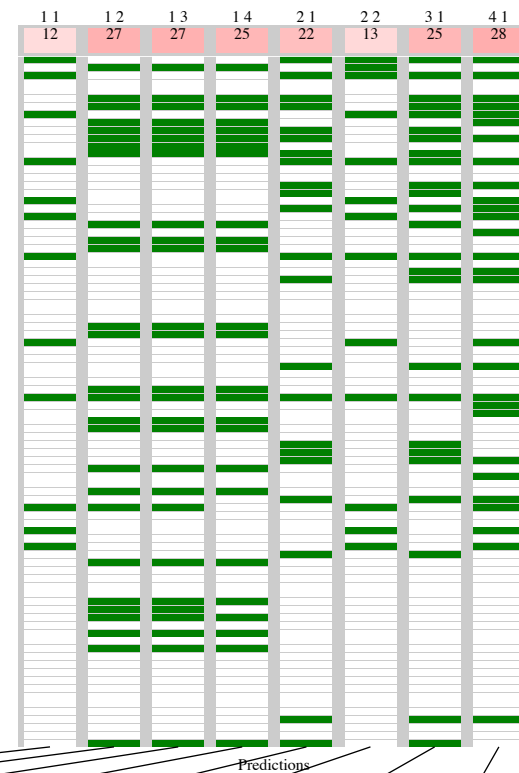
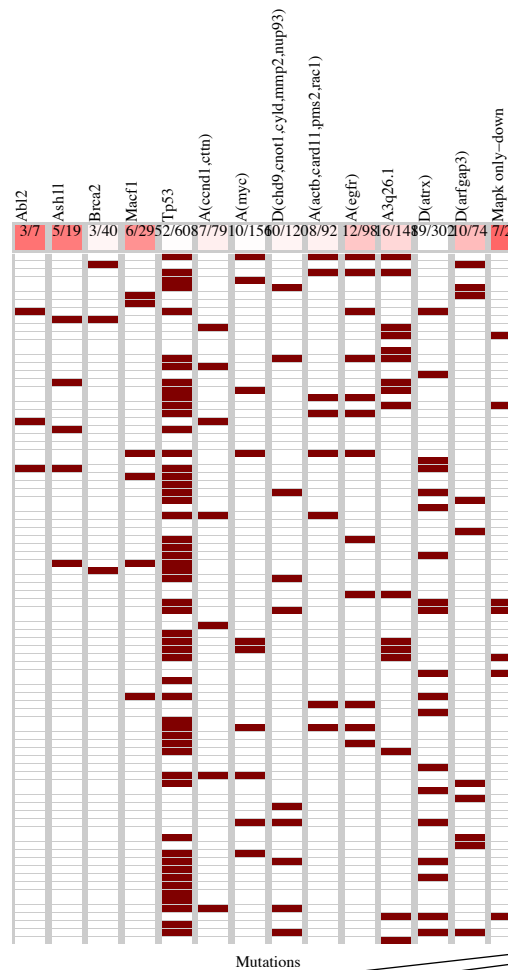
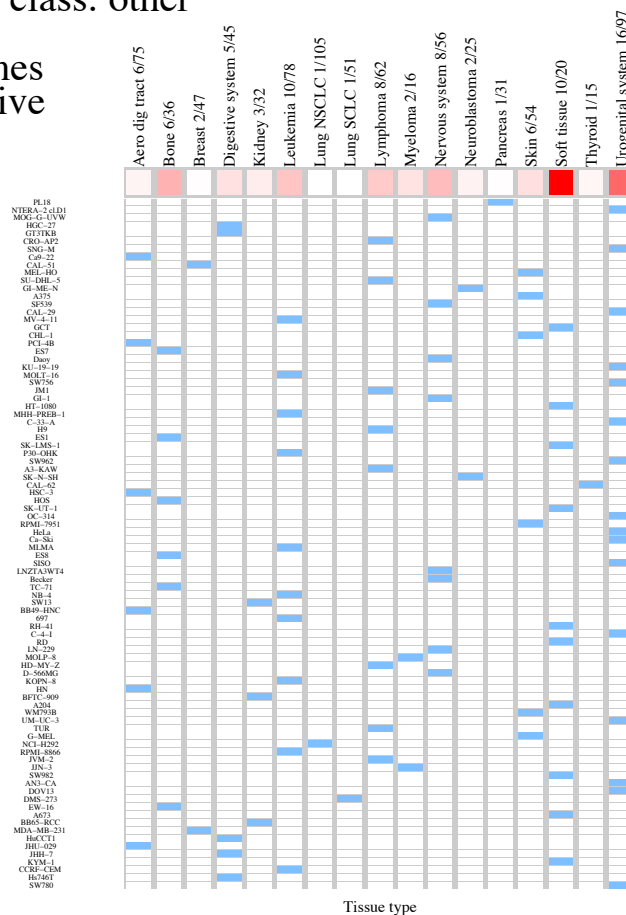
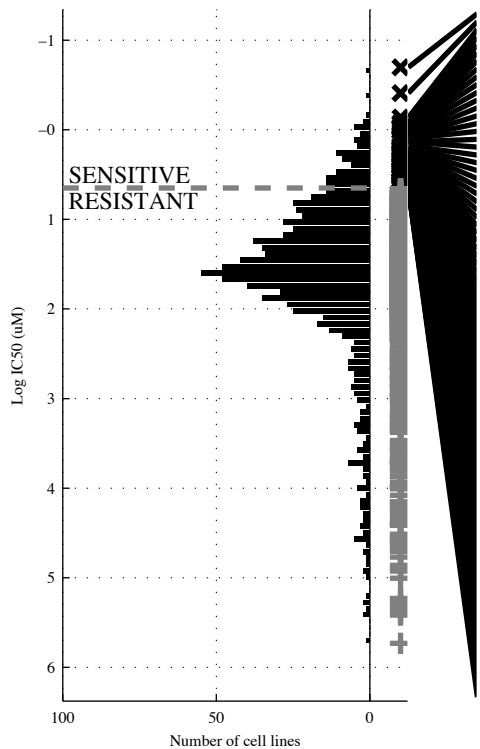
902 cell lines  
 117 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
M																
Logic formula	<b>BRAF</b>		<b>BRAF &amp; MLLT4</b>		<b>BRAF &amp; MLLT4</b> <b>-d(CUL3)</b>		<b>BRAF &amp; MECOM</b> <b>-SACS &amp; d(CUL3)</b>		<b>BRAF   JAK-ST</b>		<b>[ BRAF &amp; MECOM ]</b> <b> </b> <b>[ -TP53 &amp; dXq22. ]</b>		<b>BRAF   CDKN1B</b> <b>JAK-ST</b>		<b>BRAF   CDKN1B</b> <b>NRAS   JAK-ST</b>	
TP   FP	39   38	39   34	39   32	38   26	39   32	38   26	48   68	58   121	49   71	59   107	58   107	49   71	58   107	59   107	58   107	59   107
Specificity	0.95	0.96	0.96	0.97	0.96	0.97	0.91	0.84	0.91	0.86	0.84	0.91	0.86	0.86	0.86	0.86
FN   TN	78   747	78   751	78   753	69   717	78   753	79   759	69   717	59   664	68   714	58   678	59   664	68   714	58   678	58   678	58   678	58   678
Precision	0.51	0.53	0.55	0.41	0.55	0.59	0.41	0.32	0.41	0.36	0.32	0.41	0.36	0.36	0.36	0.36
Recall	0.33	0.33	0.33	0.41	0.33	0.32	0.41	0.5	0.42	0.5	0.5	0.42	0.5	0.5	0.5	0.5

PANCAN  
 id: 1243 name: piperlongumine  
 target: Increases ROS levels class: other

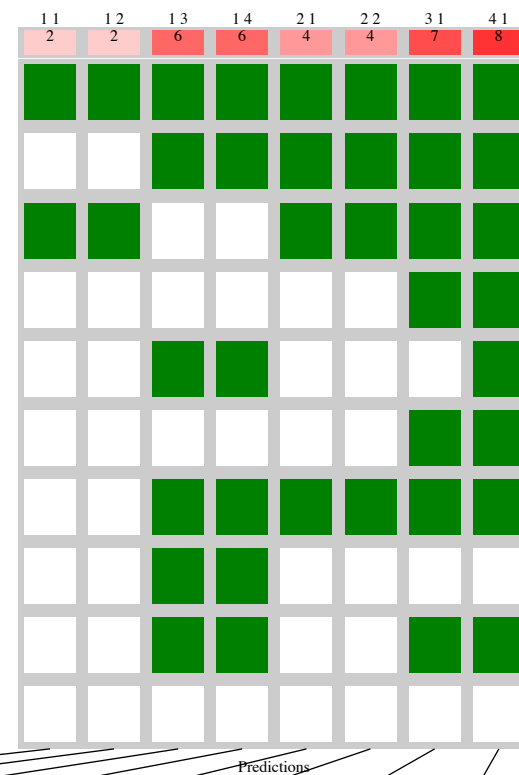
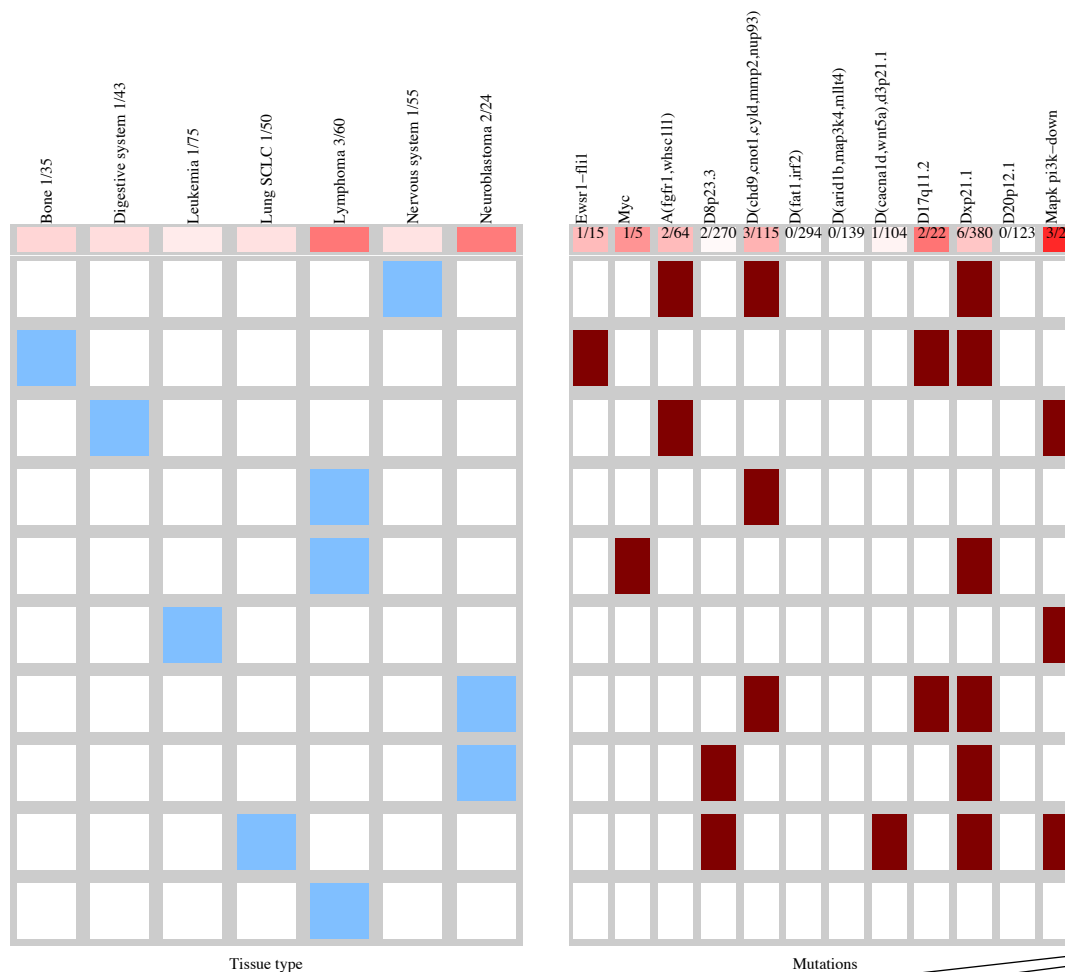
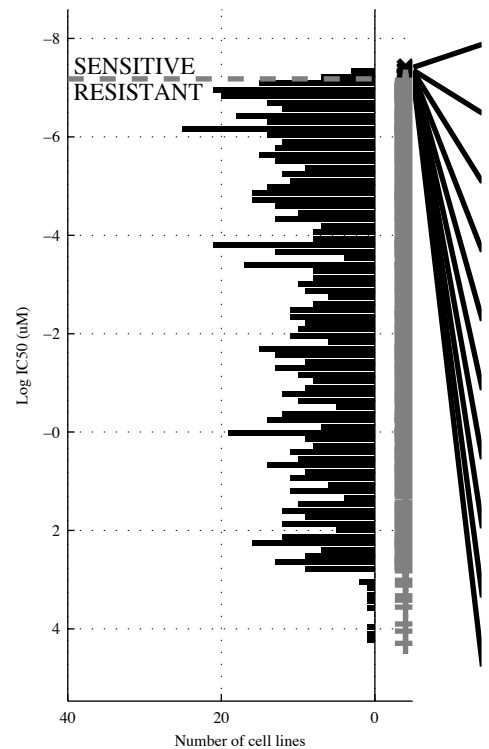
914 cell lines  
 88 sensitive



Model name	11	12	13	14	21	22	31	41
K	1	1	1	1	2	2	3	4
M	1	1	3	4	1	2	1	1
Logic formula	a(EGFR)	<del>TP53</del> & d(ATRX)	<del>TP53</del> & a(MYC) & d(ATRX)	<del>TP53</del> & d(CHD9) & d(ATRX)	MACF1   a3q26.	[ <del>a(CCND1)</del> & a(EGFR)]   [BRCA2 & d(ARFGAP3)]	ABL2   MACF1   a3q26.	ASH1L   MACF1   a(EGFR)   MAPK
TP   FP	12   86	27   164	27   140	25   119	22   154	13   63	25   158	28   140
FN   TN	76   740	61   662	61   686	63   707	66   672	75   763	63   668	60   686
Specificity	0.9	0.8	0.84	0.86	0.81	0.92	0.81	0.83
Precision	0.12	0.14	0.16	0.17	0.13	0.17	0.14	0.17
Recall	0.14	0.31	0.3	0.29	0.25	0.16	0.28	0.32

PANCAN  
 id: 1248 name: FK866  
 target: NAMPT class: metabolism

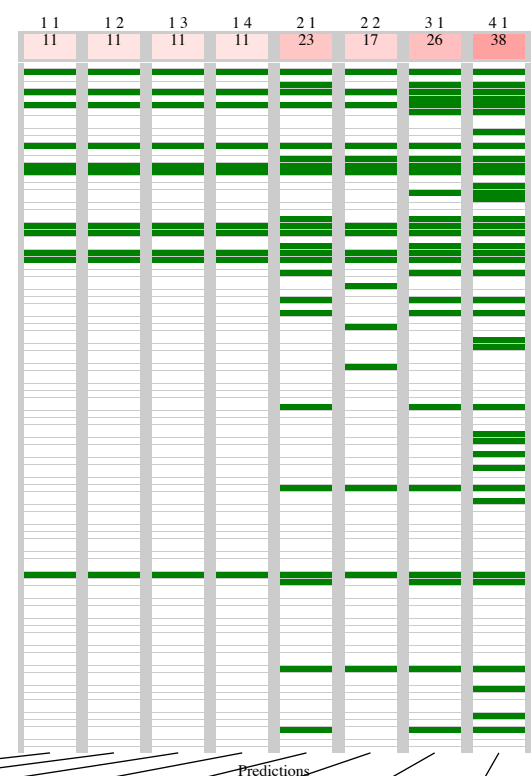
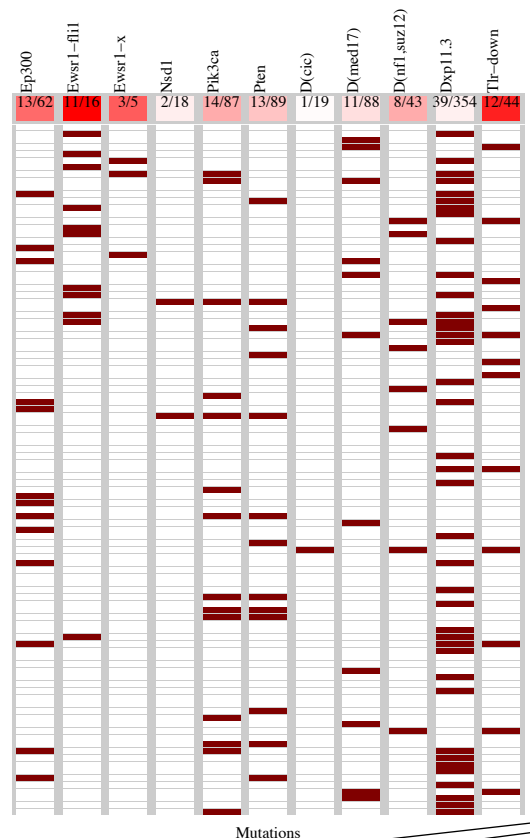
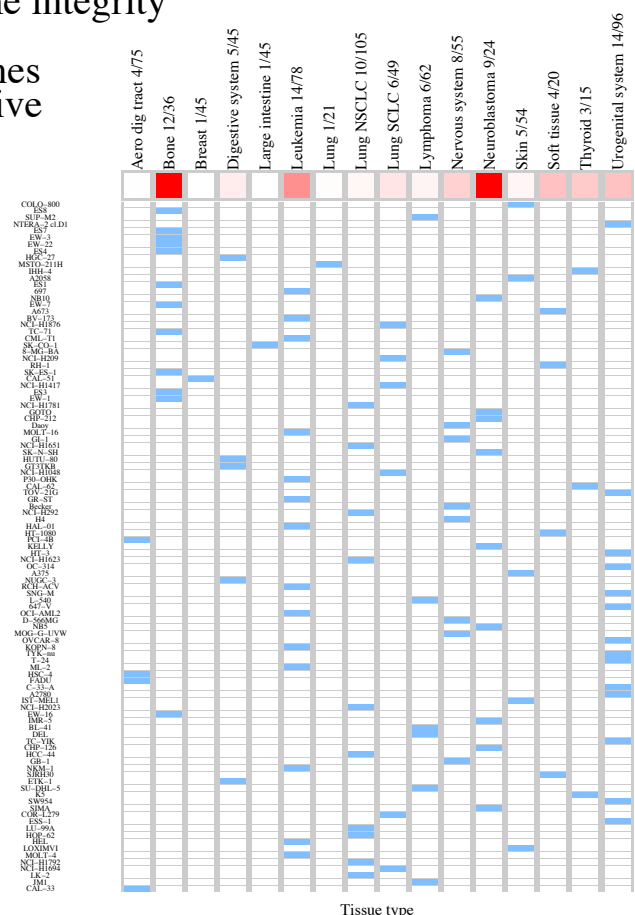
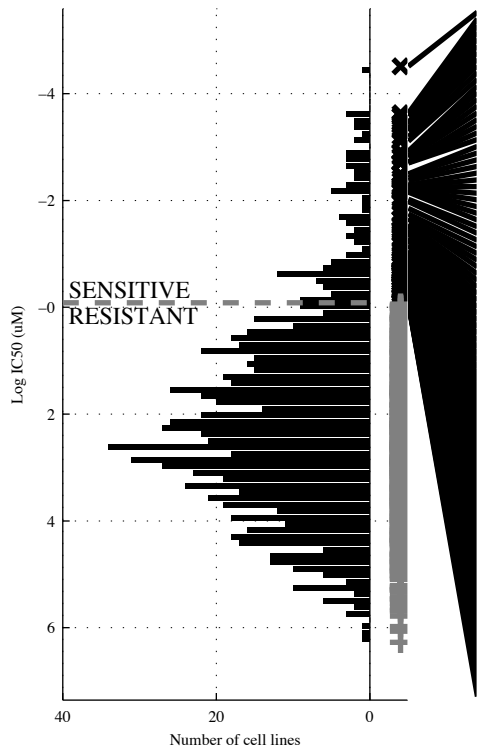
887 cell lines  
 10 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a(FGFR)</b>	<b>a(FGFR &amp; ~d8p23.)</b>	<b>~d(FAT &amp; d(ARI1 &amp; dXp21.)</b>	<b>~d(FAT &amp; d(ARI1 &amp; dXp21. &amp; ~d20p12)</b>	<b>a(FGFR   d17q11</b>	<b>[ a(FGFR &amp; ~d8p23.)   ~d(CACNA1D &amp; d17q11 ]</b>	<b>EWSR1-   d(CHD9   MAPK P</b>	<b>EWSR1-   MYC   d(CHD9   MAPK P</b>
TP   FP	2   62	2   37	6   174	6   142	4   81	4   48	7   145	8   149
Specificity	0.93	0.96	0.8	0.84	0.91	0.95	0.83	0.83
FN   TN	8   815	8   840	4   703	4   735	6   796	6   829	3   732	2   728
Precision	0.031	0.051	0.033	0.041	0.047	0.077	0.046	0.051
Recall	0.2	0.2	0.6	0.6	0.4	0.4	0.7	0.8

PANCAN  
 id: 1259 name: BMN-673  
 target: PARP1 class: Genome integrity

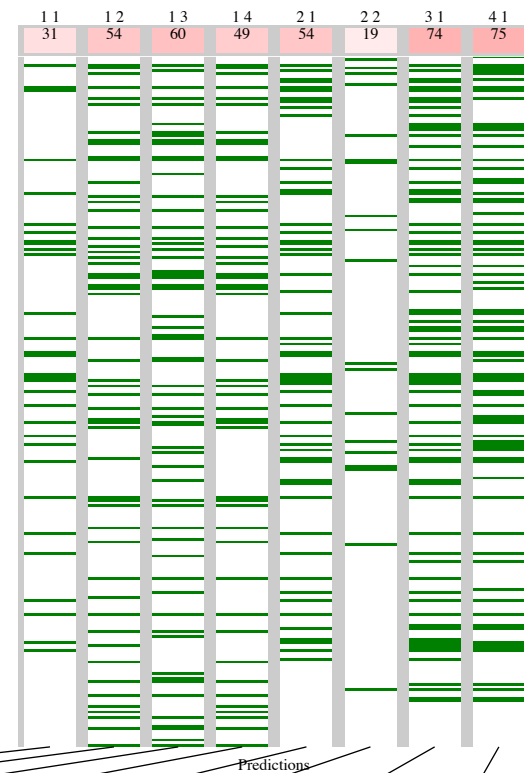
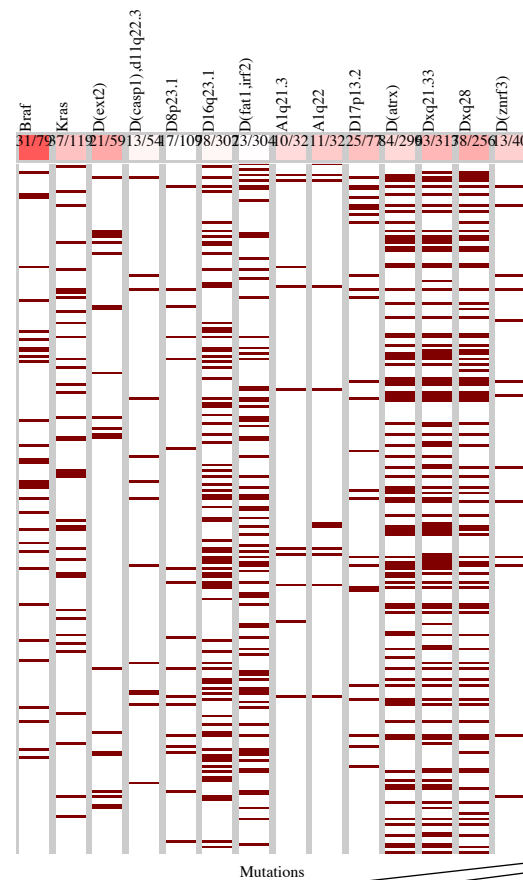
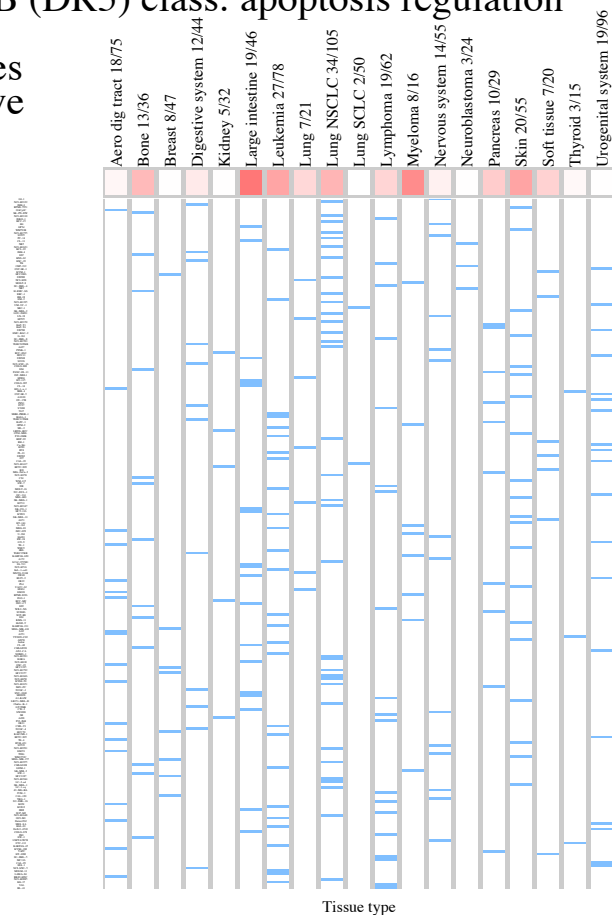
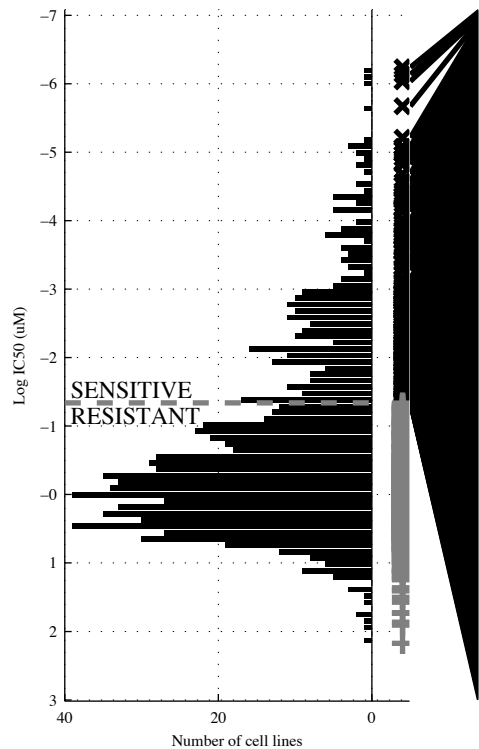
901 cell lines  
 103 sensitive



Model name	11	12	13	14	21	22	31	41
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>EWSR1-</b>	<b>EWSR1-&amp;-d(CIC)</b>	<b>EWSR1-&amp;-PTEN&amp;-d(MED1)</b>	<b>EWSR1-&amp;-NSD1&amp;-PIK3C&amp;-d(CIC)</b>	<b>EWSR1-TLR-DO</b>	[ d(NF1,&-dXp11.)   [EWSR1-&-d(CIC)]	<b>EWSR1-EWSR1-I</b>  <b>TLR-DO</b>	<b>EP300 EWSR1-I</b>  <b>EWSR1-TLR-DO</b>
TP   FP	11   5	11   3	11   4	11   1	23   36	17   15	26   38	38   86
Specificity	0.99	1	0.89	1	0.95	0.98	0.95	0.86
FN   TN	92   793	92   795	92   794	92   797	80   762	86   783	77   760	65   712
Precision	0.69	0.79	0.43	0.92	0.39	0.52	0.41	0.27
Recall	0.11	0.11	0.23	0.11	0.22	0.16	0.25	0.39

PANCAN  
 id: 1261 name: rTRAIL  
 target: TR10A (DR4), TR10B (DR5) class: apoptosis regulation

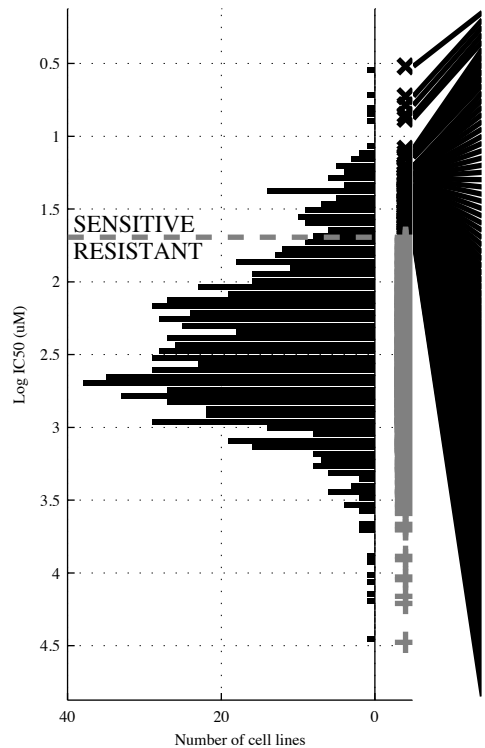
906 cell lines  
 248 sensitive



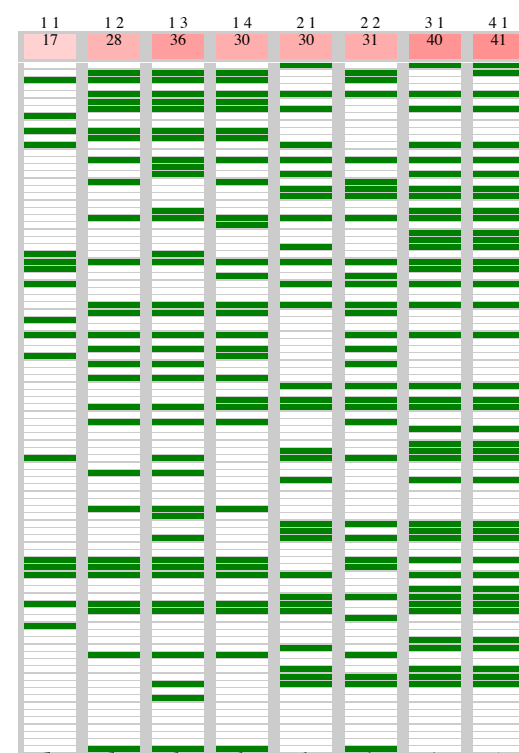
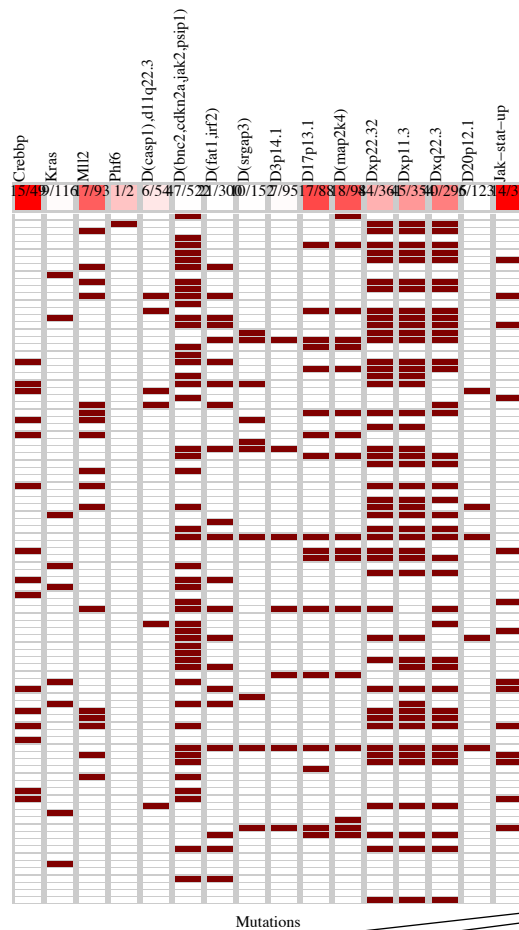
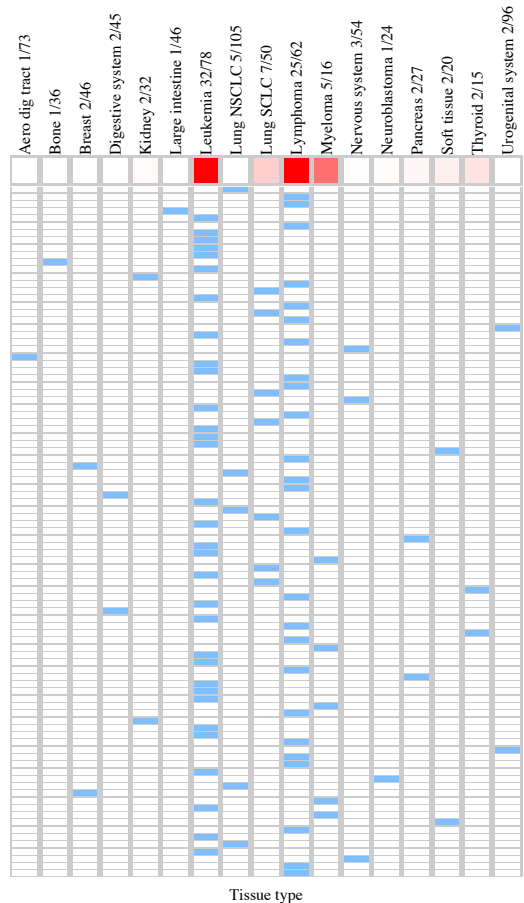
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>BRAF</b>	<b>~d16q23 &amp; dXq28</b>	<b>~d8p23 &amp; ~d(FAT1 &amp; dXq21)</b>	<b>~d(CASP1 &amp; ~d8p23 &amp; ~d16q23 &amp; dXq28)</b>	<b>BRAF   d17p13</b>	<b>[ KRAS &amp; d16q23 ]   [ a1q21. &amp; d(ATRX) ]</b>	<b>BRAF   d(EXT2)   d17p13</b>	<b>BRAF   d(EXT2)   a1q22   d(ZNRF3)</b>
TP   FP Specificity	31   48 0.93	54   100 0.85	60   99 0.88	49   67 0.9	54   97 0.85	19   33 0.94	74   126 0.81	75   123 0.81
FN   TN Precision	217   610 0.39	194   558 0.35	188   559 0.41	199   591 0.42	194   561 0.36	229   625 0.51	174   532 0.37	173   535 0.38
Recall	0.13	0.22	0.22	0.2	0.22	0.093	0.3	0.3

PANCAN  
 id: 1262 name: UNC1215  
 target: LMBL3 class: other

897 cell lines  
 95 sensitive



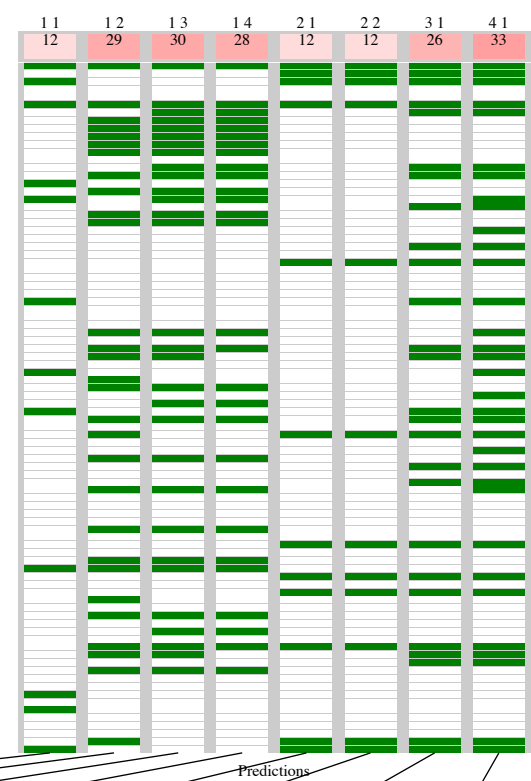
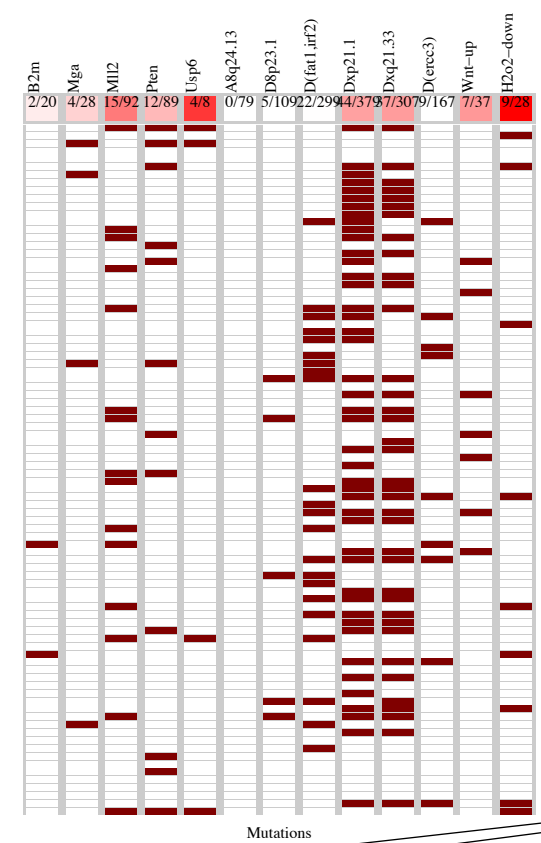
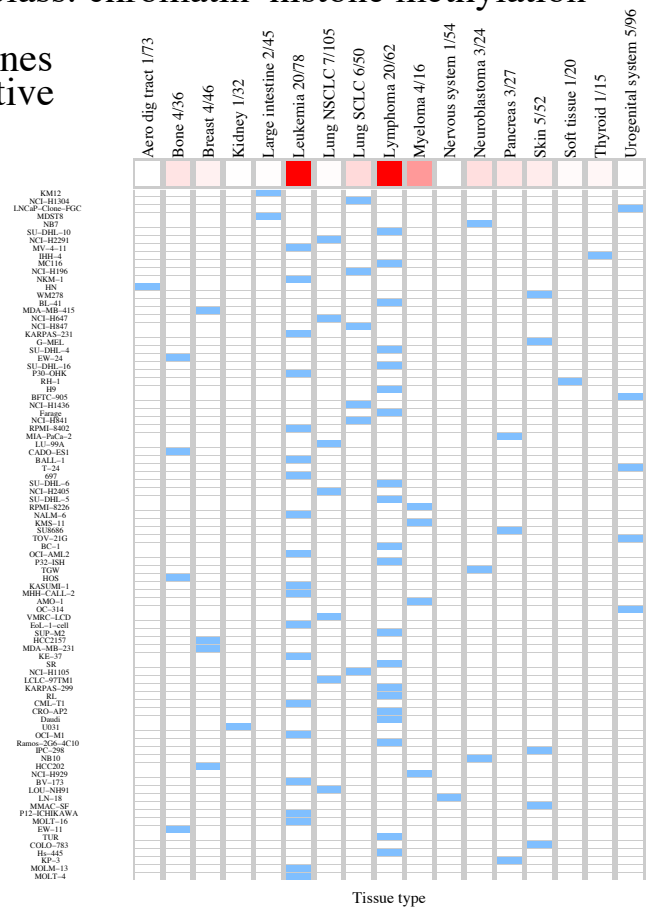
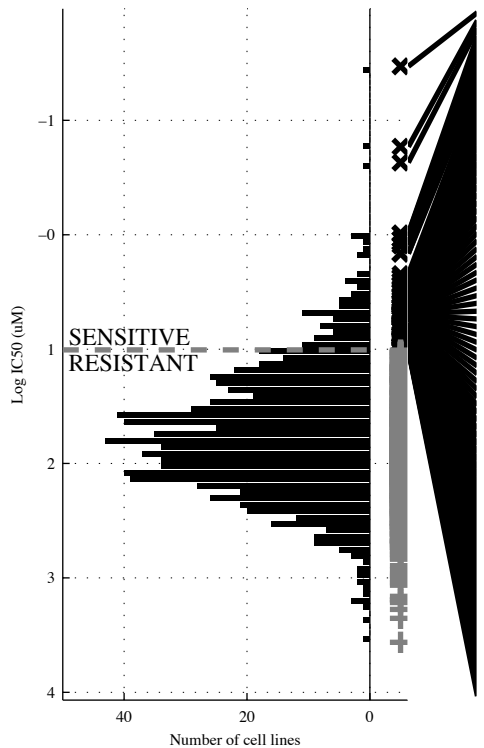
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 MCF-18  
 KASIM1-1  
 SU-DHL-10  
 RCM-REV  
 MHH-CALL-2  
 BV-173  
 OS-RC-2  
 CML-11  
 K562  
 KARPAS-299  
 NHEK  
 OCI-AML2  
 SU-DHL-4  
 SU-DHL-16  
 SU-DHL-16  
 EdU-1-ctrl  
 FPC-101  
 F98G1  
 HCC-5  
 OCI-M1  
 MOLT-16  
 NUD-DL-1  
 H1  
 NCI-H1876  
 RABP35-21  
 SU-DHL-5  
 NCI-H146  
 BALL-1  
 MV-4-11  
 MOLT-4  
 SRR60  
 SU-DHL-6  
 CAL-51  
 NCI-H1781  
 IMR-90  
 WI-231  
 HHH-9  
 HCC-15  
 CCR-129  
 KCL-22  
 Ramos-266-410  
 FSN1  
 HLL-01  
 AMO-1  
 SBC-1  
 NB-1  
 NCI-H211  
 S905W  
 A3-KAW  
 LAMA-84  
 HCC-57  
 BE-13  
 SUI-M2  
 CGH-W-1  
 K562  
 CCRF-CEM  
 F1-10J  
 CRO-AP2  
 MIA-PaCa-2  
 MHH-PRB-1  
 697  
 Jurkat  
 IM-9  
 DEL  
 NCI-H10  
 C17  
 MOLT-13  
 HBL-100  
 OC-314  
 TTM-3  
 H9c2  
 KARPAS-45  
 MB-231  
 NCI-H2009  
 DU-4475  
 A549-77  
 L1210  
 L1210  
 H7-1080  
 GA-10  
 K562  
 NCI-H1881  
 PLE-KHAWA  
 CCF-STTG1  
 V1  
 EB-3



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MLL2</b>	<b>-d(FAT&amp;dXq22.</b>	<b>-d(SRG&amp;dXq22.&amp;</b>	<b>-KRAS&amp;-d(FAT&amp;</b>	<b>d(MAP21JAK-ST</b>	<b>[-d(BNC&amp;dXp11. ]</b>	<b>CREBBPd(MAP21</b>	<b>CREBBP PHF6  </b>
			<b>-d20p12</b>	<b>-d3p14.&amp;dXp22.</b>		<b>[-d(CAS1&amp;d17p13 ]</b>	<b>JAK-ST</b>	<b>d(MAP21JAK-ST</b>
TP   FP Specificity	17   76 0.91	28   154 0.81	36   158 0.81	30   123 0.85	30   101 0.87	31   131 0.84	40   129 0.84	41   129 0.84
FN   TN Precision	78   726 0.18	67   648 0.15	59   644 0.19	65   679 0.2	65   701 0.23	64   671 0.19	55   673 0.24	54   673 0.24
Recall	0.18	0.29	0.36	0.32	0.32	0.31	0.42	0.43

PANCAN  
 id: 1264 name: SGC0946  
 target: Q8TEK3 (DOT1L) class: chromatin histone methylation

896 cell lines  
 88 sensitive



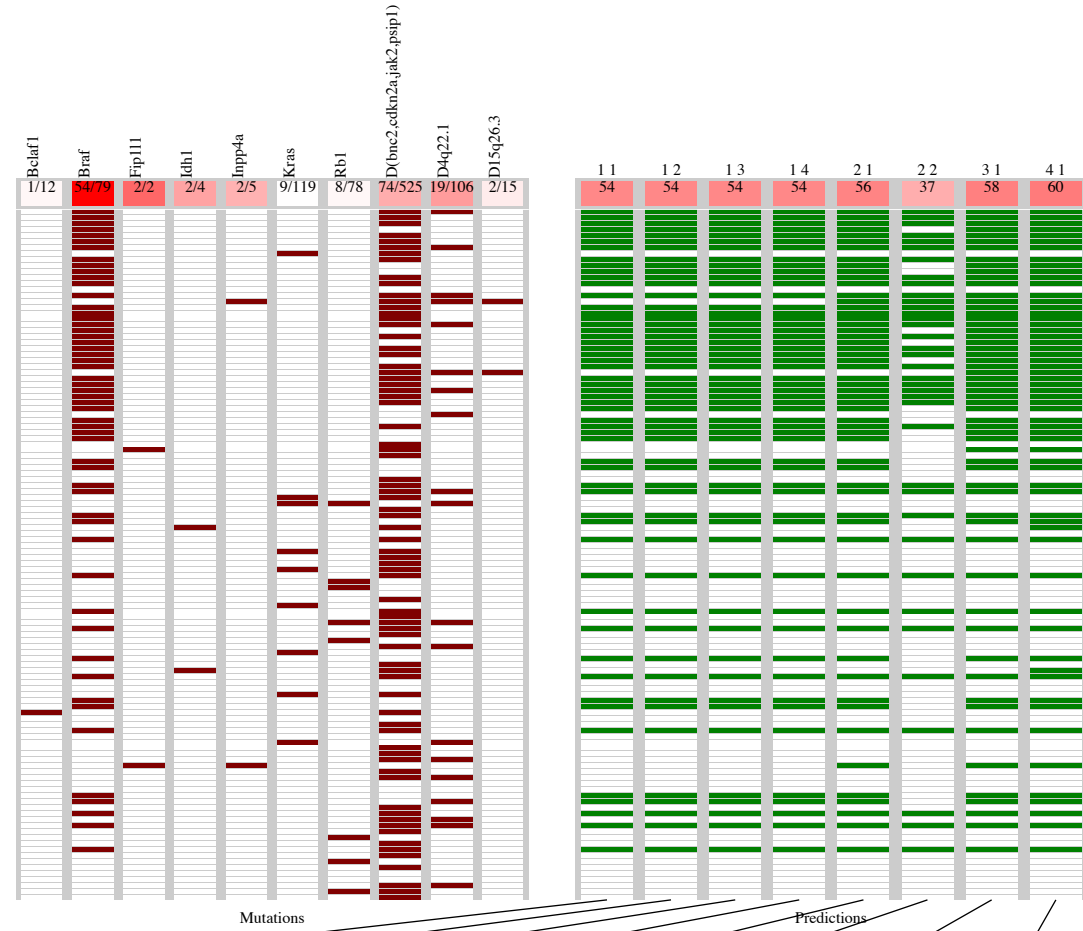
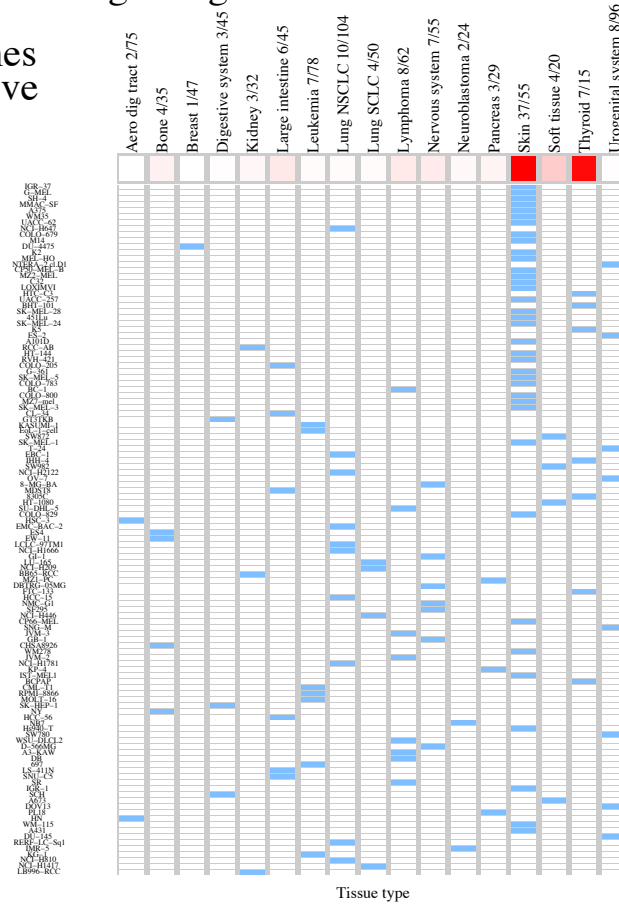
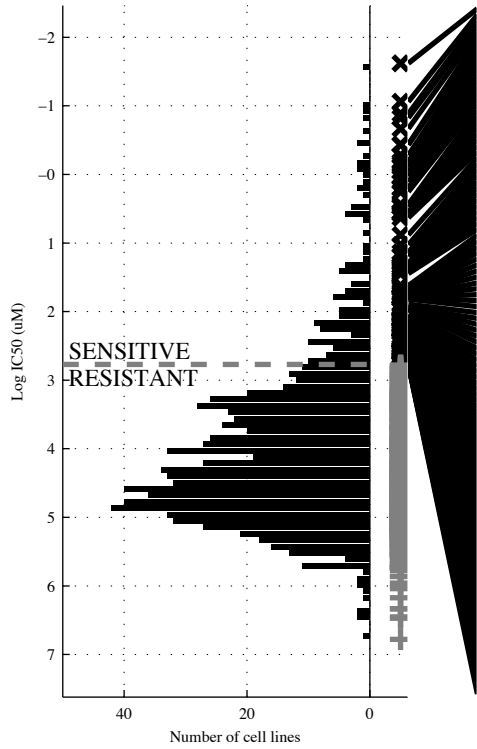
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>PTEN</b>	<b>¬d(FAT&amp;dXq21.</b>	<b>¬d(FAT&amp;dXp21.&amp;</b> <b>¬d(ERCC</b>	<b>¬d8p23.&amp;¬d(FAT&amp;</b> <b>dXp21.&amp;d(ERCC</b>	<b>USP6  H2O2-D</b>	<b>[ ¬a8q24.&amp;H2O2-D]</b> <b> </b> <b>[ ¬B2M &amp; USP6 ]</b>	<b>MGA   MLL2  </b> <b>H2O2-D</b>	<b>MGA   MLL2  </b> <b>Wnt-UP H2O2-D</b>
TP   FP	12   77	29   156	30   155	28   131	12   23	12   15	26   109	33   130
Specificity	0.9	0.81	0.81	0.84	0.97	0.87	0.87	0.84
FN   TN	76   731	59   652	58   653	60   677	76   785	76   793	62   699	55   678
Precision	0.13	0.16	0.16	0.18	0.34	0.19	0.19	0.2
Recall	0.14	0.33	0.34	0.33	0.14	0.19	0.3	0.38





PANCAN  
 id: 1371 name: PLX4720 (rescreen)  
 target: BRAF class: ERK MAPK signaling

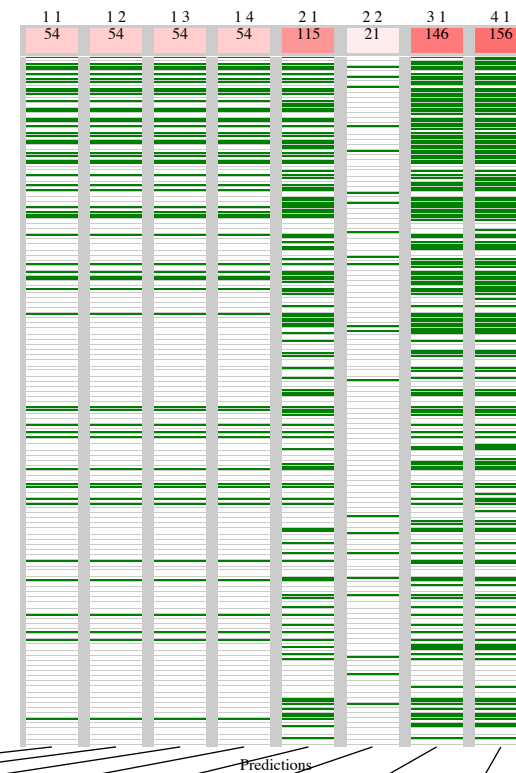
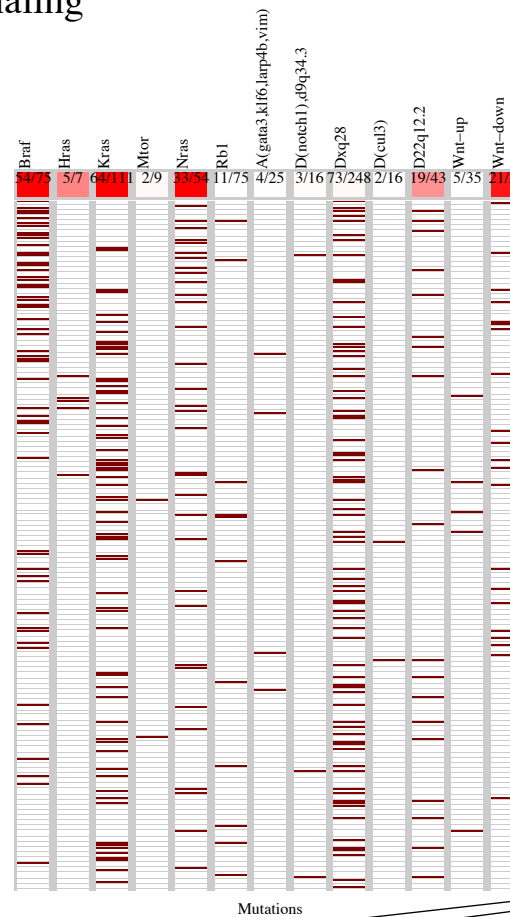
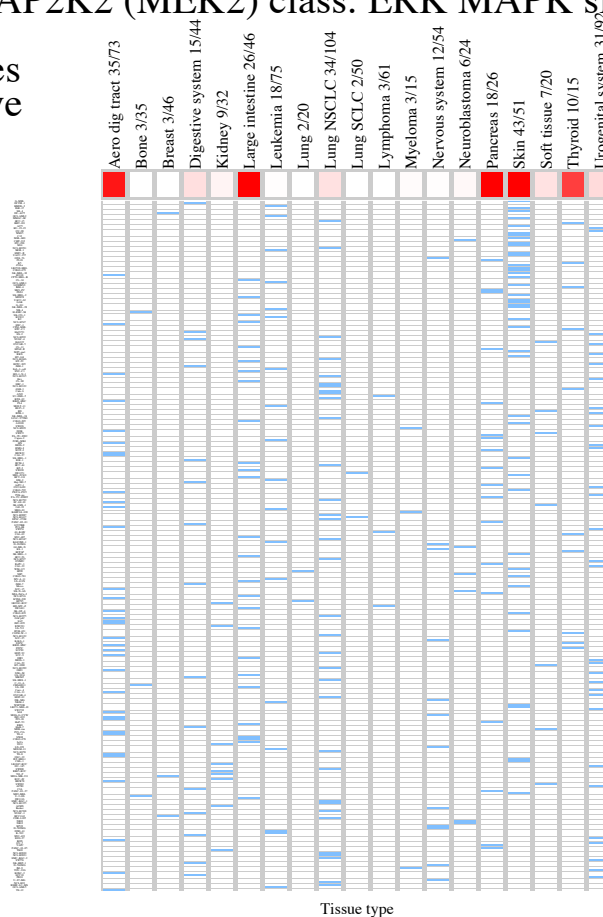
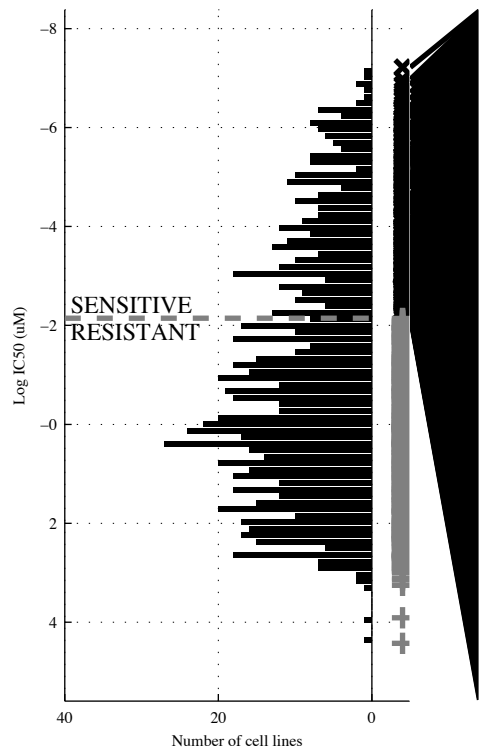
904 cell lines  
 116 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>BRAF</b>	<b>BRAF &amp; ¬KRAS</b>	<b>¬BCLAF &amp; BRAF &amp; ¬KRAS</b>	<b>¬BCLAF &amp; BRAF &amp; ¬KRAS &amp; ¬RB1</b>	<b>BRAF   INPP4A</b>	<b>[ INPP4A &amp; d4q22. ]   [ BRAF &amp; d(BNC2) ]</b>	<b>BRAF   FIP1L1   d15q26</b>	<b>BRAF   FIP1L1   IDH1   d15q26</b>
TP   FP	54   25	54   22	54   19	54   16	56   28	37   13	58   38	60   40
Specificity	0.97	0.97	0.98	0.98	0.96	0.94	0.95	0.95
FN   TN	62   763	62   766	62   769	62   772	60   760	79   775	58   750	56   748
Precision	0.68	0.71	0.74	0.77	0.67	0.59	0.6	0.6
Recall	0.47	0.47	0.47	0.47	0.48	0.42	0.5	0.52

PANCAN  
 id: 1372 name: Trametinib  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

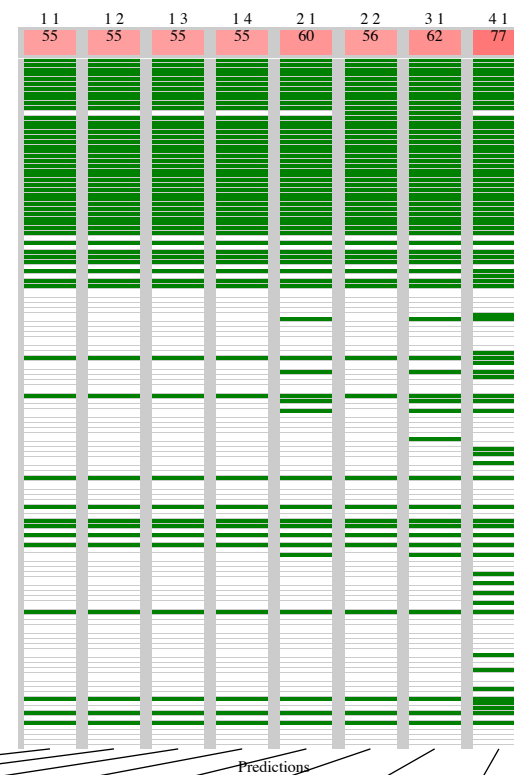
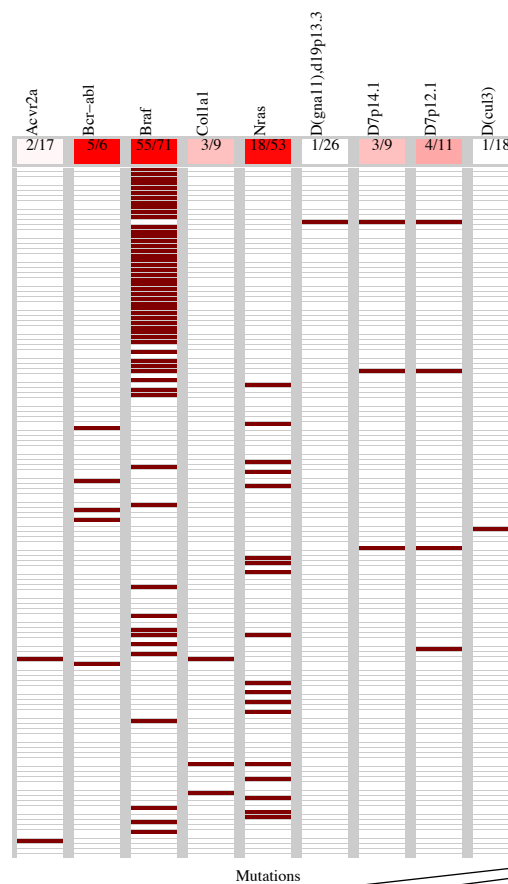
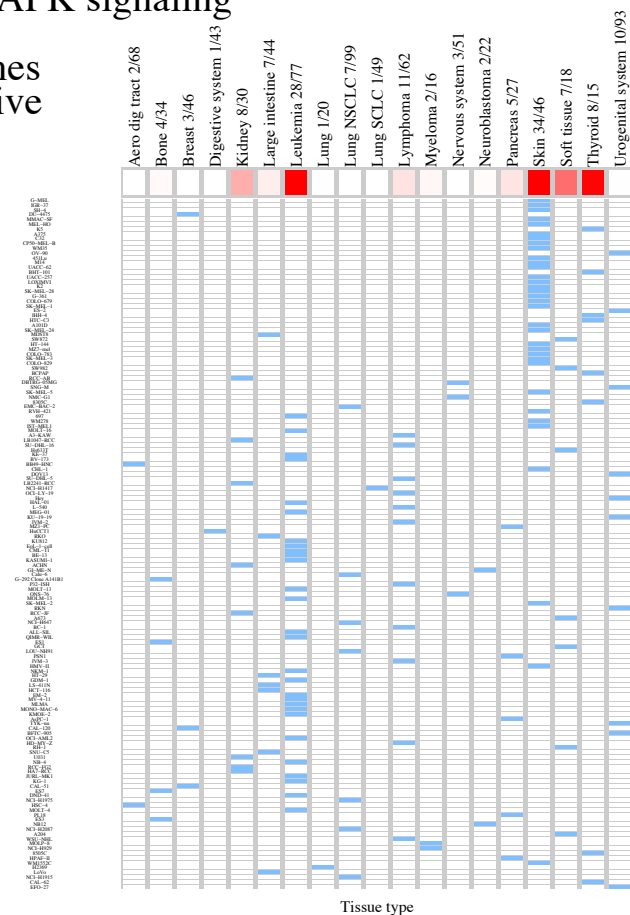
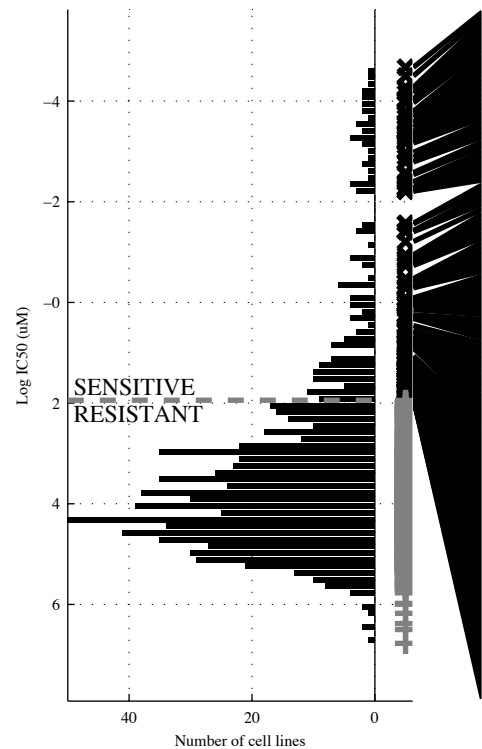
883 cell lines  
 280 sensitive



Model name	11	12	13	14	21	22	31	41
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>BRAF</b>	<b>BRAF &amp; Wnt-UP</b>	<b>BRAF &amp; ~MTOR&amp; ~RB1</b>	<b>BRAF &amp; a(GAT&amp; ~d(CUL3&amp;Wnt-UP</b>	<b>BRAF   KRAS</b>	[ <b>HRAS &amp; ~dXq28</b> ]   [ <b>d(NOT&amp;d22q12</b> ]	<b>BRAF   KRAS   NRAS</b>	<b>BRAF   KRAS   NRAS   Wnt-DO</b>
TP   FP	54   21	54   19	54   17	54   16	115   68	21   19	146   88	156   101
Specificity	0.97	0.97	0.97	0.97	0.89	0.97	0.85	0.83
FN   TN	226   582	226   584	226   586	226   587	165   535	259   584	134   515	124   502
Precision	0.72	0.74	0.76	0.77	0.63	0.53	0.62	0.61
Recall	0.19	0.19	0.19	0.19	0.41	0.075	0.52	0.56

PANCAN  
 id: 1373 name: Dabrafenib  
 target: BRAF class: ERK MAPK signaling

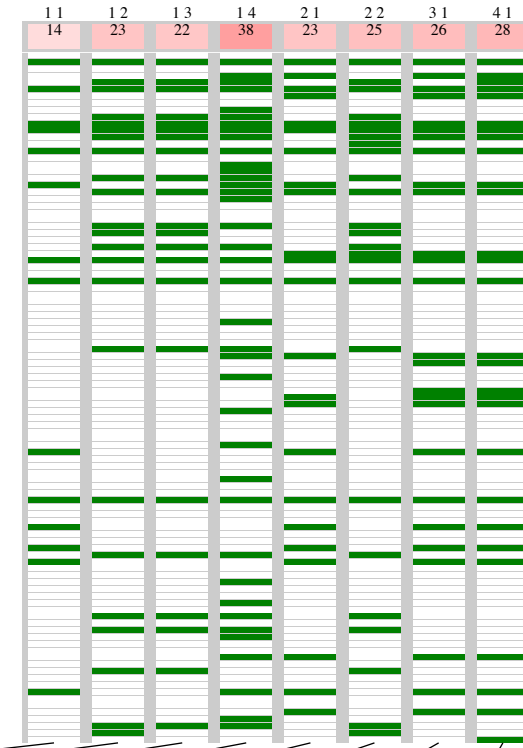
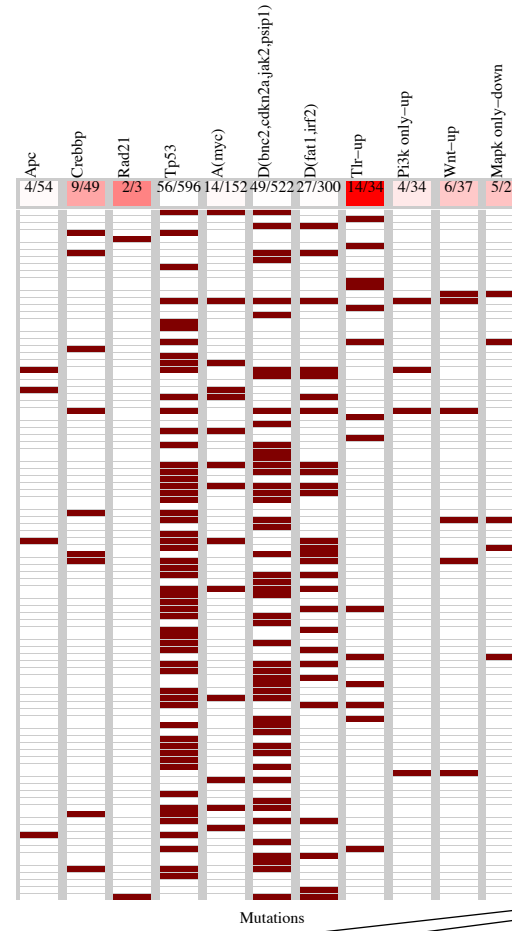
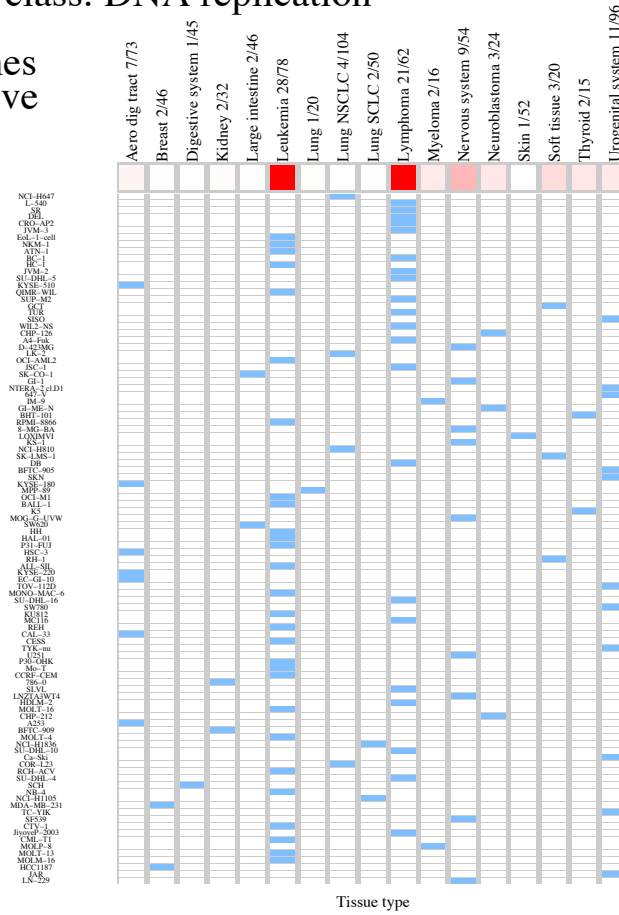
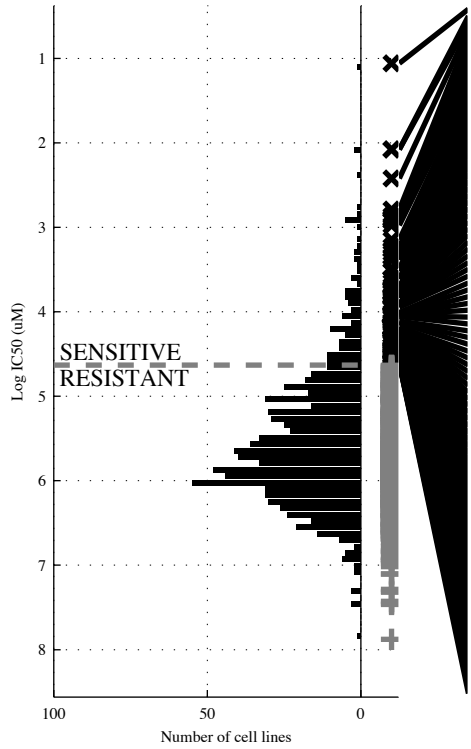
860 cell lines  
 144 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>BRAF</b>	<b>BRAF &amp;d(CUL3)</b>	<b>BRAF &amp;COL1A&amp;d(CUL3)</b>	<b>~ACVR2&amp; BRAF &amp;~COL1A&amp;d(CUL3)</b>	<b>BCR-ABI BRAF</b>	<b>[d(GNA1&amp; d7p12. ]   [ BRAF &amp;COL1A]</b>	<b>BCR-ABI BRAF   d7p14.</b>	<b>BCR-ABI BRAF   NRAS  </b>
TP   FP	55   16	55   14	55   12	55   10	60   17	56   14	62   23	77   52
Specificity	0.98	0.98	0.98	0.99	0.98	0.98	0.97	0.92
FN   TN	89   700	89   702	89   704	89   706	84   699	88   702	82   693	67   664
Precision	0.77	0.8	0.82	0.85	0.78	0.79	0.73	0.58
Recall	0.38	0.38	0.38	0.38	0.42	0.39	0.43	0.55

PANCAN  
 id: 1375 name: Temozolomide  
 target: DNA alkylating agent class: DNA replication

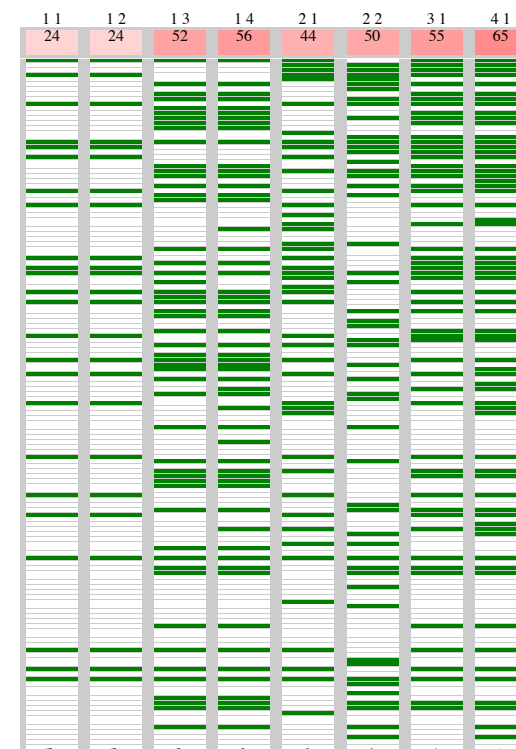
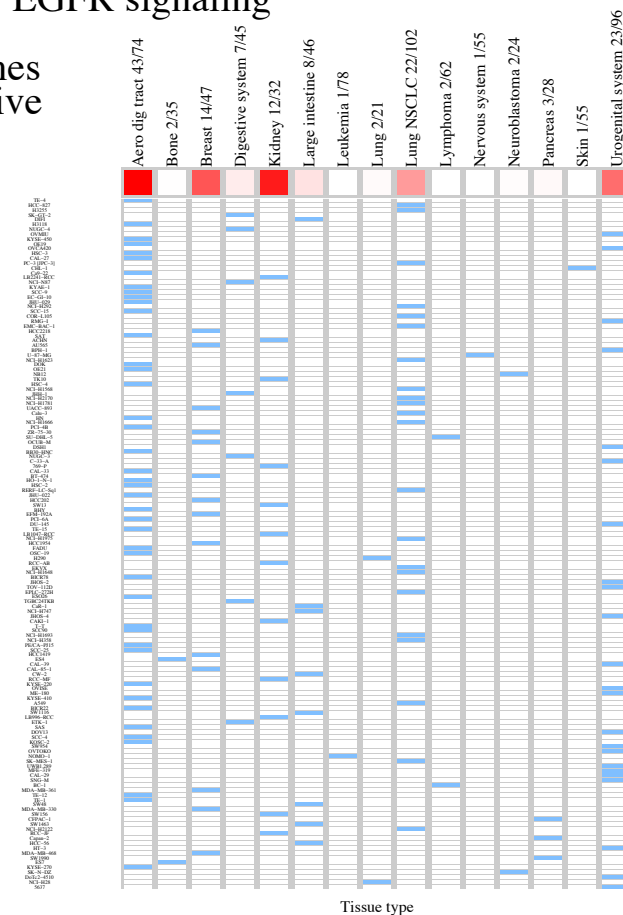
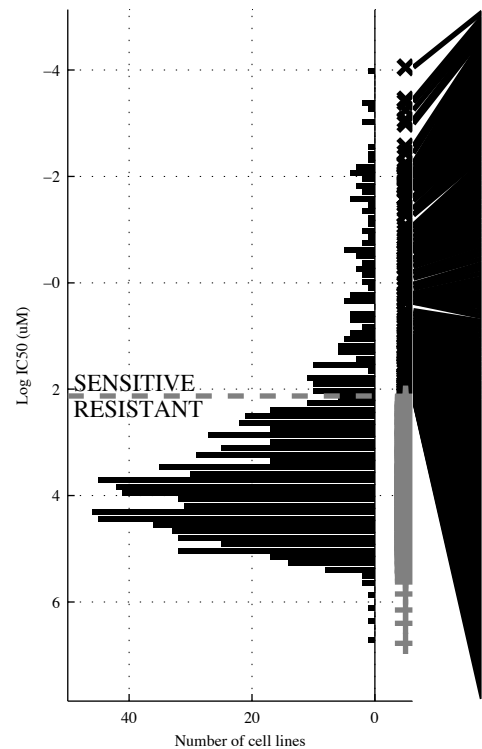
896 cell lines  
 101 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>TLR-UP</b>	<b>-TP53 &amp; d(BNC2)</b>	<b>-TP53 &amp; d(BNC2) &amp; d(FAT1)</b>	<b>-APC &amp; a(MYC) &amp; d(BNC2) &amp; d(FAT1)</b>	<b>CREBBP TLR-UP</b>	<b>[ PI3K o &amp; Wnt-UP ]   [ -TP53 &amp; d(BNC2) ]</b>	<b>CREBBP TLR-UP   MAPK o</b>	<b>CREBBP  RAD21   TLR-UP MAPK o</b>
TP   FP	14   20	23   77	22   61	38   156	23   58	25   77	26   73	28   74
Specificity	0.97	0.9	0.92	0.8	0.93	0.91	0.91	0.91
FN   TN	87   775	78   718	79   734	63   639	78   737	76   718	75   722	73   721
Precision	0.41	0.23	0.27	0.2	0.28	0.21	0.26	0.27
Recall	0.14	0.23	0.22	0.38	0.23	0.19	0.26	0.28

PANCAN  
 id: 1377 name: Afatinib (rescreen)  
 target: ERBB2, EGFR class: EGFR signaling

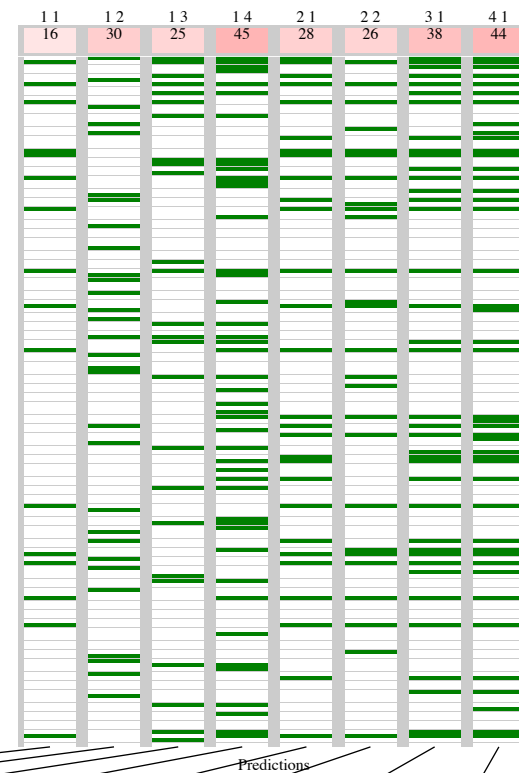
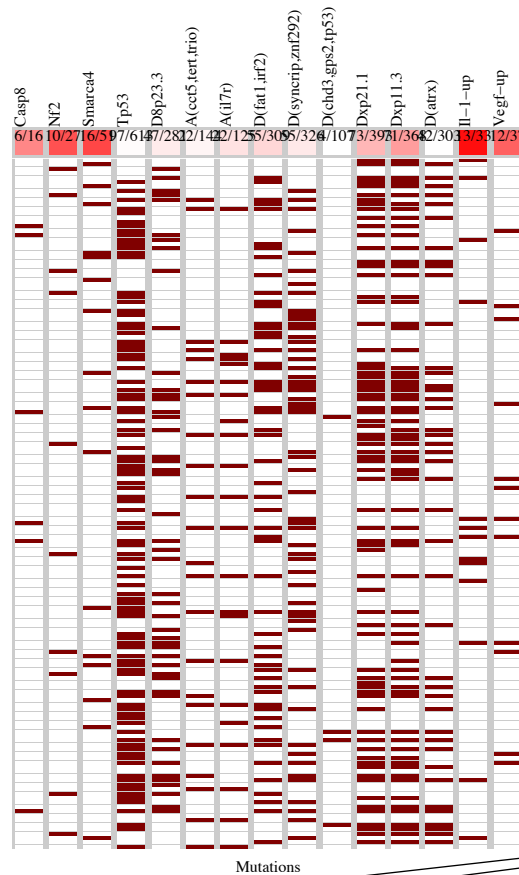
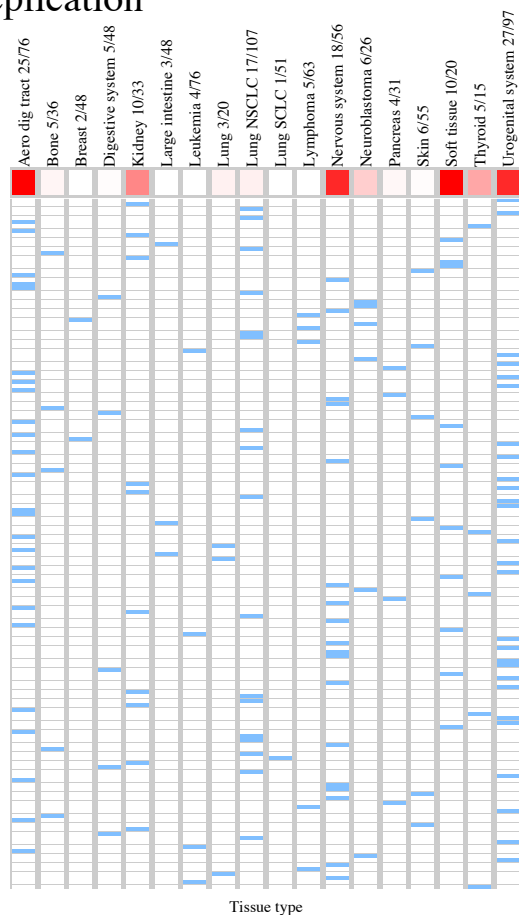
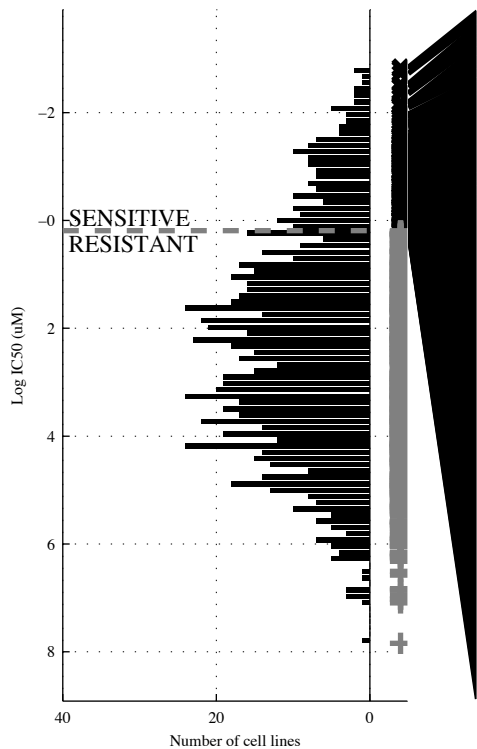
901 cell lines  
 143 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a(CDK1)</b>	<b>~a5q15 &amp; a(CDK1)</b>	<b>d8p23. &amp; ~d(APC) &amp; ~d(RB1)</b>	<b>~BRAF &amp; d8p23. &amp; ~a(ERC) &amp; ~d(RB1)</b>	<b>a(EGFR   a(CDK1)</b>	<b>[ d3p14. &amp; ~dXq21.]   [ d8p23. &amp; d(FGFR)]</b>	<b>d8p23.   a(CDK1)   Wnt-DO</b>	<b>FAT1   d8p23.   a(CDK1)   Wnt-DO</b>
TP   FP	24   24	24   19	52   144	56   146	44   83	50   138	55   126	65   140
Specificity	0.97	0.97	0.81	0.82	0.89	0.89	0.83	0.82
FN   TN	119   734	119   739	91   614	87   612	99   675	93   620	88   632	78   618
Precision	0.5	0.56	0.27	0.27	0.35	0.41	0.3	0.32
Recall	0.17	0.17	0.36	0.36	0.31	0.25	0.38	0.45

PANCAN  
 id: 1378 name: Bleomycin (50 uM)  
 target: DNA damage class: DNA replication

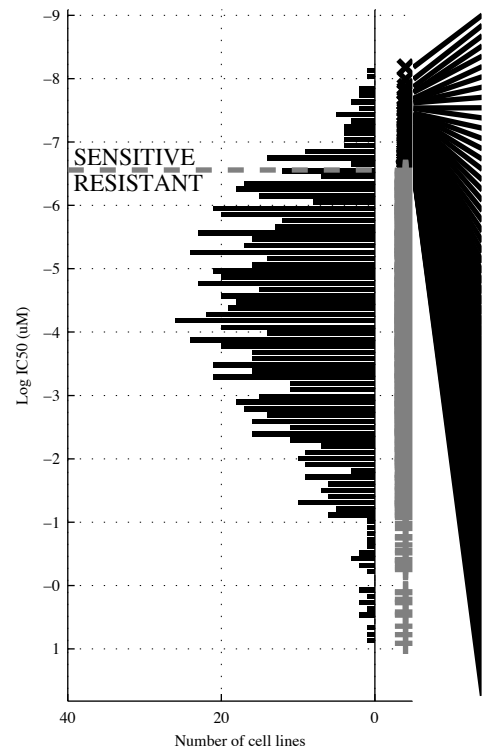
922 cell lines  
 156 sensitive



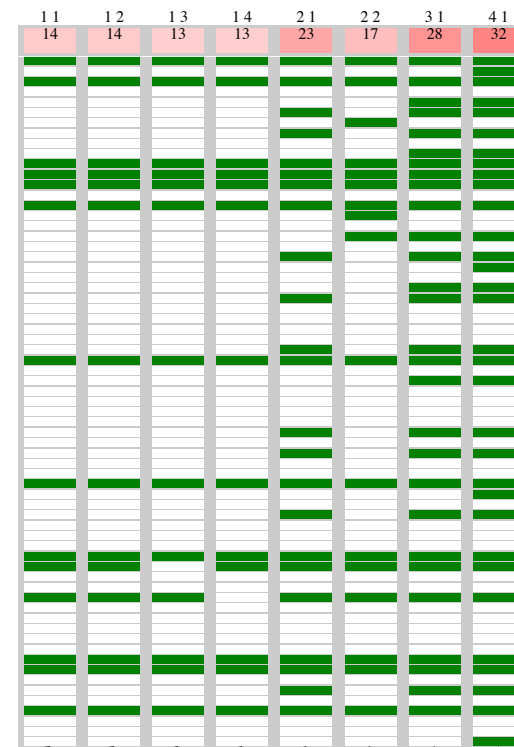
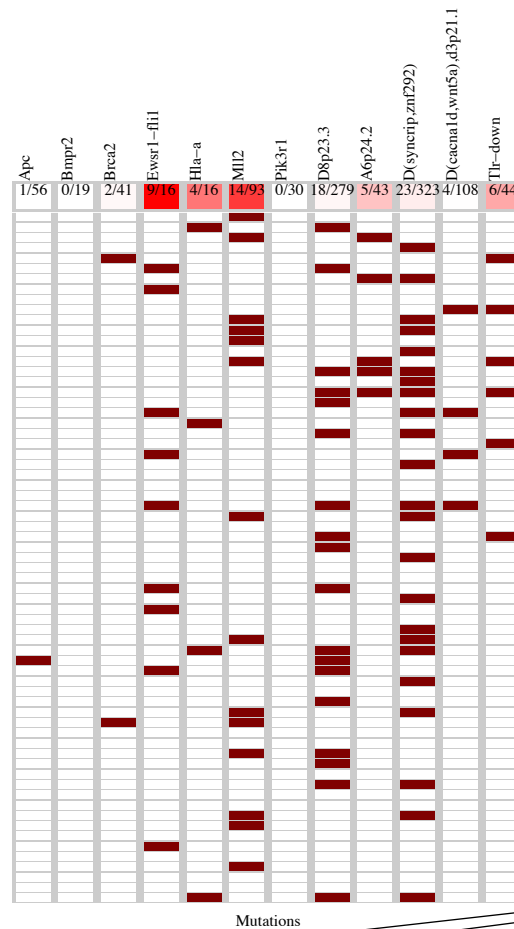
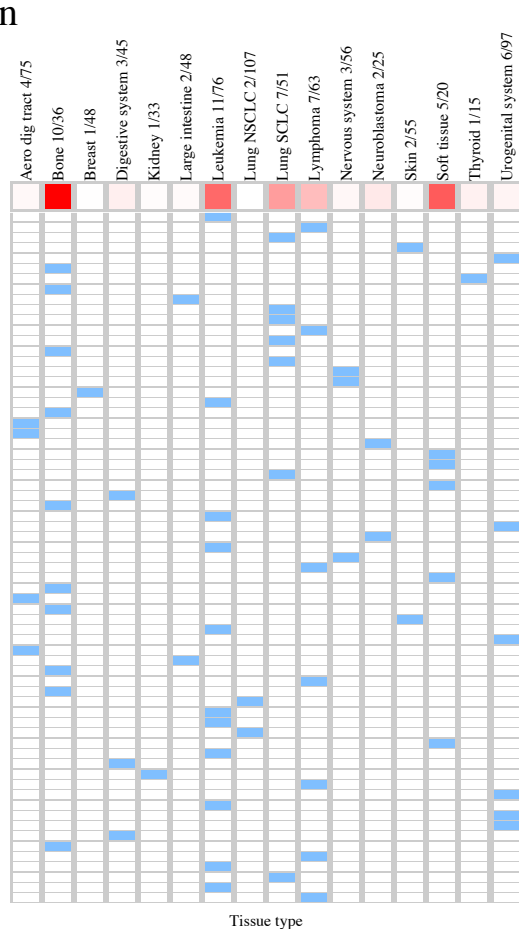
Model name	11	12	13	14	21	22	31	41
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>SMARCA</b>	<b>dXp11.&amp;d(ATRX</b>	<b>-TP53 &amp;d(SYNG&amp;</b>	<b>-TP53 &amp;a(IL7R&amp;</b>	<b>SMARCA IL-1-U</b>	<b>[SMARCA&amp;a(CCT5]</b>   <b>[~d8p23.&amp;VEGF-U]</b>	<b>NF2 SMARCA</b>	<b>CASP8   NF2  </b>  <b>SMARCA IL-1-U</b>
TP   FP	16   35	30   62	25   60	45   140	28   53	26   42	38   70	44   77
FN   TN	140   731	126   704	131   706	111   626	128   713	130   724	118   696	112   689
Specificity	0.95	0.92	0.94	0.82	0.93	0.94	0.91	0.9
Precision	0.31	0.33	0.35	0.24	0.35	0.48	0.35	0.36
Recall	0.1	0.19	0.14	0.29	0.18	0.15	0.24	0.28

PANCAN  
 id: 1494 name: SN-38  
 target: TOP1 class: DNA replication

917 cell lines  
 67 sensitive



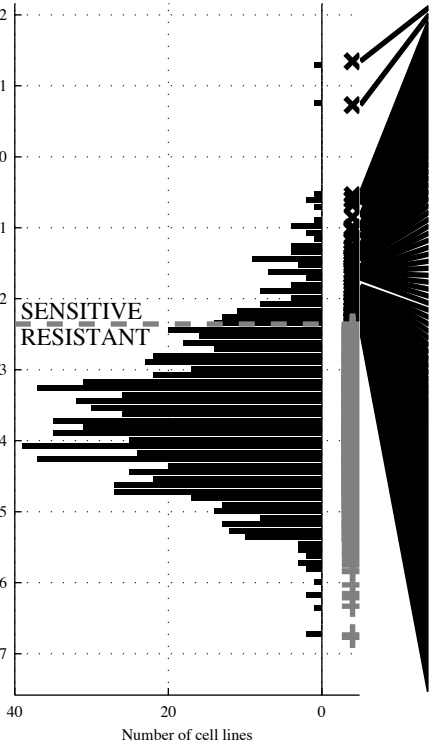
CML-T1  
 SU-DHL-5  
 NCI-H105  
 COLO-800  
 NTEKA-2 (LD1)  
 EW-22  
 CAL-62  
 E57  
 Ctr-1  
 NCI-H1417  
 NCI-H1876  
 JM1  
 NCI-H1048  
 EW-3  
 NCI-H209  
 Dany  
 U251  
 OCUB-M  
 MOLT-16  
 F88  
 SAS  
 FADD  
 GOTO  
 A673  
 HT-1080  
 COR-L279  
 SW982  
 GTSTRB  
 EW-1  
 MOLT-4  
 647-V  
 NB10  
 ALL-SIL  
 U-87-MG  
 SUP-M2  
 H663T  
 ESI  
 HO-1-N-1  
 E53  
 A375  
 MOLT-13  
 VM-CUB-1  
 HSC-2  
 SK-CO-1  
 EW-7  
 P32-ISH  
 E54  
 LL-99A  
 DND-41  
 CTV-1  
 EBC-1  
 SK-LMS-1  
 BV-173  
 HUTU-80  
 U031  
 A3-KAW  
 TC-YIK  
 RPMI-8402  
 609-V  
 C-33-A  
 SK-HEP-1  
 SK-ES-1  
 SR  
 KARPAS-231  
 SBC-3  
 CCRF-CEM  
 SUP-HD1



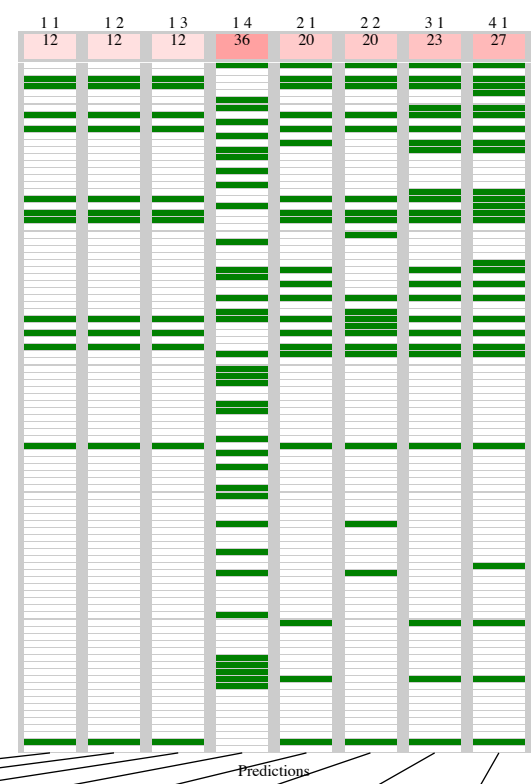
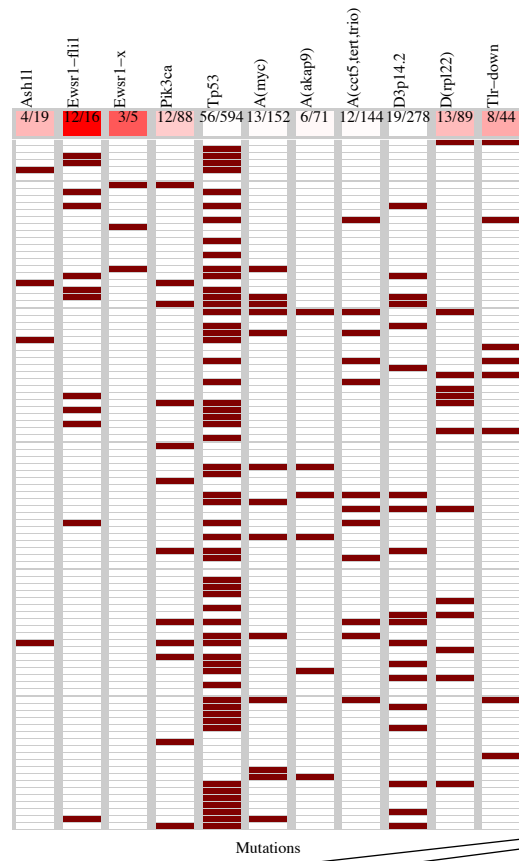
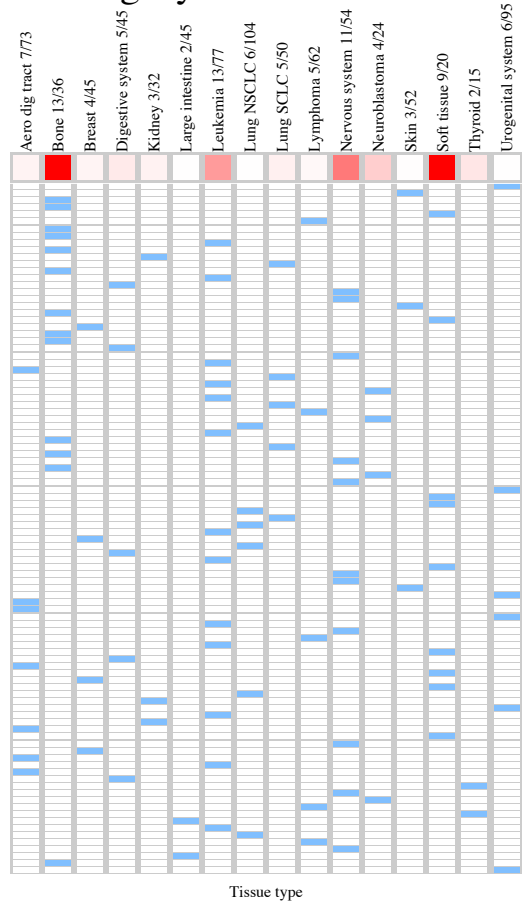
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MLL2</b>	<b>¬APC &amp; MLL2</b>	<b>¬BRCA &amp; MLL2 &amp; ¬d(CACN</b>	<b>¬BMPR &amp; MLL2 &amp; ¬PIK3R &amp; ¬d8p23.</b>	<b>EWSR1-  MLL2</b>	<b>[ a6p24. &amp;d(SYNC)   [ MLL2 &amp;PIK3R1]</b>	<b>EWSR1-  MLL2   TLR-DO</b>	<b>EWSR1-  HLA-A   MLL2  TLR-DO</b>
TP   FP	14   79	14   65	13   54	13   39	23   86	17   77	28   123	32   132
Specificity	0.91	0.92	0.96	0.95	0.9	0.92	0.86	0.84
FN   TN	53   771	53   785	54   796	54   811	44   764	50   773	39   727	35   718
Precision	0.15	0.18	0.23	0.25	0.21	0.19	0.19	0.2
Recall	0.21	0.21	0.17	0.19	0.34	0.23	0.42	0.48

PANCAN  
 id: 1495 name: Olaparib  
 target: PARP1, PARP2 class: Genome integrity

892 cell lines  
 98 sensitive



NHEK-2-61D1  
 COL-1000  
 ESI  
 CCL-1  
 SU-MBL-5  
 EW-22  
 ESI  
 ESI  
 NCI-H209  
 CME-11  
 C1349  
 Dms  
 LGM5V1  
 FC-71  
 MCF-7  
 CAL-51  
 SK-ES-1  
 HCC-27  
 D-23MG  
 KYSE-20  
 COR-L279  
 MOLT-16  
 GL-ME  
 ESI-40IK  
 NCI-H1171  
 SUP-M2  
 M10  
 NCI-H1681  
 OCL-A02  
 NCI-H1048  
 ESI  
 S-SW-BA  
 TPC-15  
 G010VW  
 SNG-M  
 HFL-1000  
 A20  
 RER4-LS-MS  
 NCI-H1791  
 LI-99A  
 RFL-ACV  
 MDA-MB-436  
 NCI-H947  
 SKNSH  
 RH-1  
 H4  
 D-500MG  
 C17A  
 A375  
 HN  
 RPRM-650  
 SBC  
 K562-8  
 UEA1  
 UEA2  
 HOP-92  
 HOP-13  
 HBL-100  
 SNUC2  
 CAL-120  
 SK-UT-1  
 NCI-H205  
 HPL-109  
 HPL-14  
 HSC-3  
 MEF-00  
 CH-1  
 HCC-T006  
 K562-7  
 MOLT-13  
 HEP-2  
 SK-HEP-1  
 LN-229  
 DMG-5  
 HOP-41  
 HOP-42  
 SK-CCL-4  
 GR-S1  
 HOP-52  
 WSI-DXCL2  
 HOP-50  
 SNU-C2B  
 ESI  
 OC-314

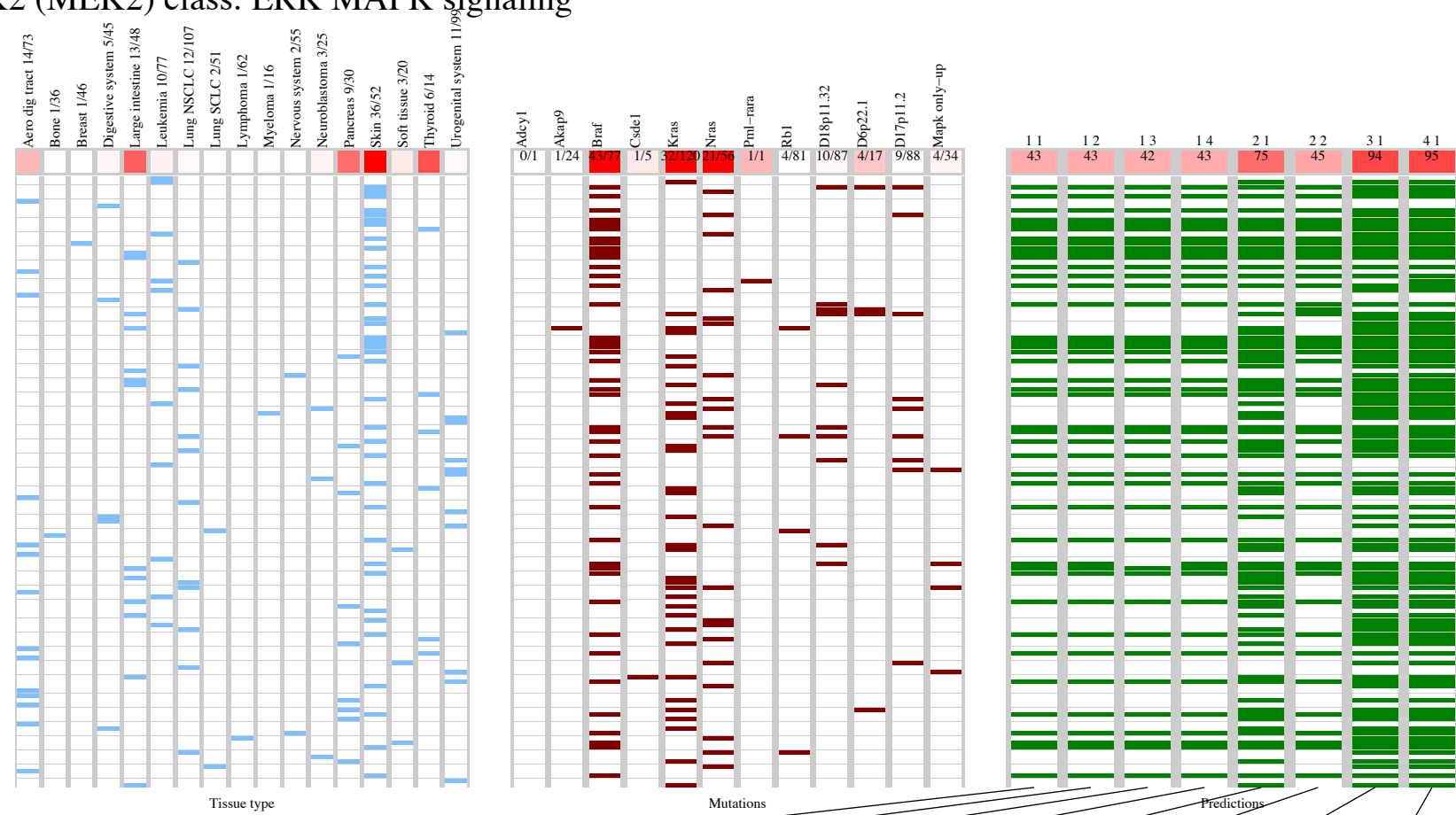
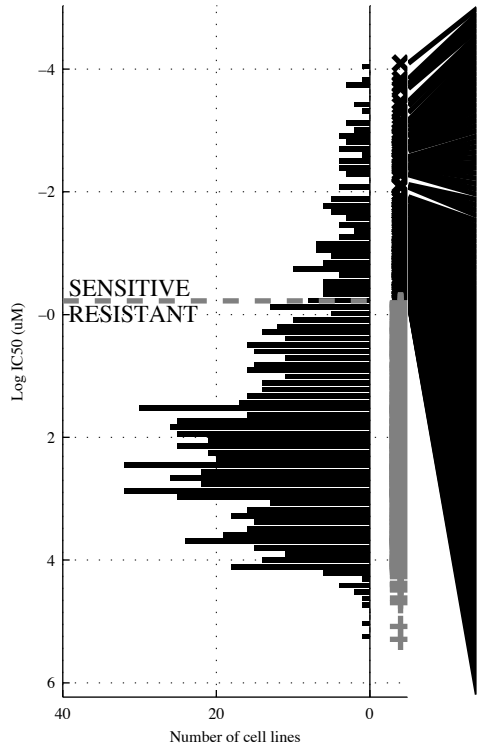


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>EWSR1-</b>	<b>EWSR1-&amp;a(AKAP</b>	<b>EWSR1-&amp;PIK3C&amp;</b>	<b>-TP53 &amp;a(MYC&amp;</b>	<b>EWSR1-TLR-DO</b>	<b>[EWSR1-&amp;TLR-DQ</b>   <b>[ -d3p14.&amp;d(RPL2 ]</b>	<b>EWSR1-EWSR1-I</b>	<b>ASHIL EWSR1-I</b>
TP   FP Specificity	12   4 0.99	12   3 1	12   2 1	36   147 0.82	20   39 0.95	20   42 0.93	23   41 0.95	27   55 0.93
FN   TN Precision	86   790 0.75	86   791 0.8	86   792 0.86	62   647 0.18	78   755 0.34	78   752 0.29	75   753 0.36	71   739 0.33
Recall	0.12	0.12	0.12	0.33	0.2	0.2	0.23	0.28



PANCAN  
 id: 1498 name: AZD6244  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

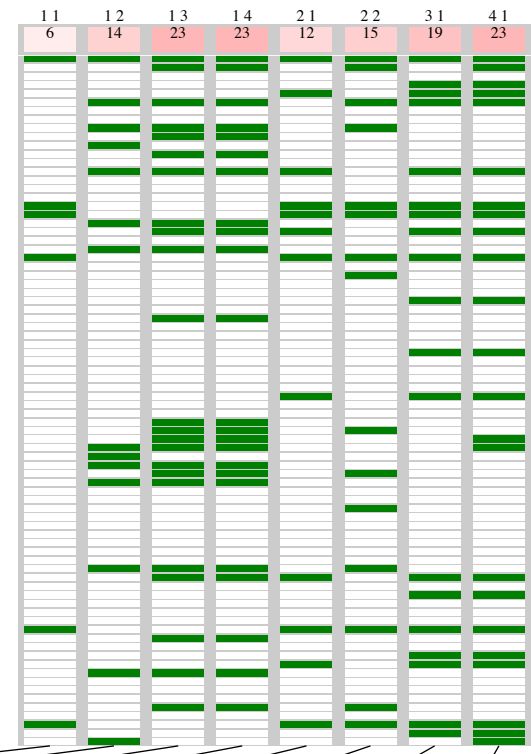
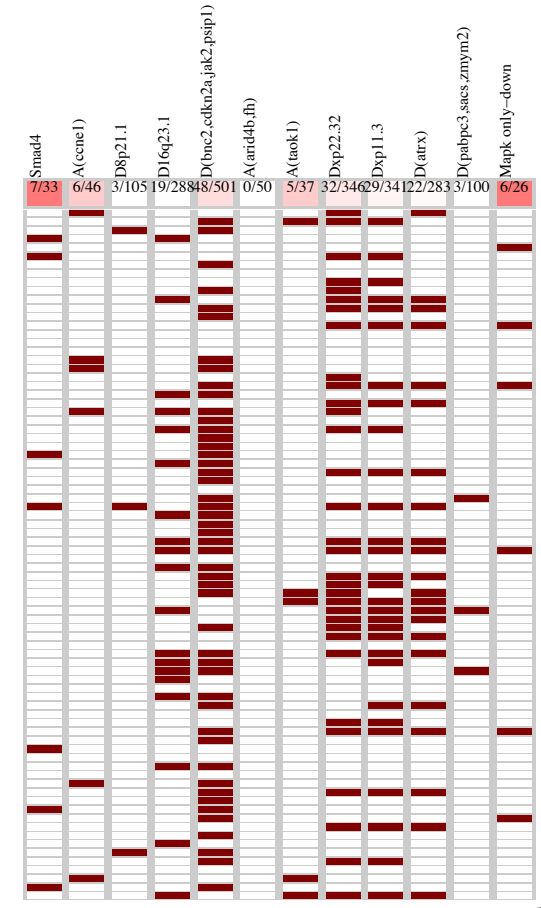
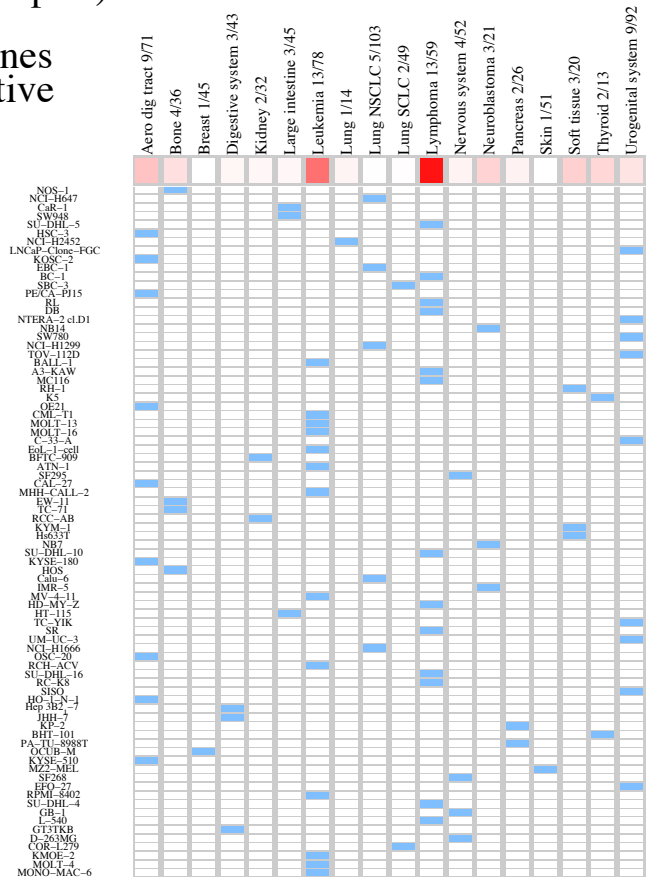
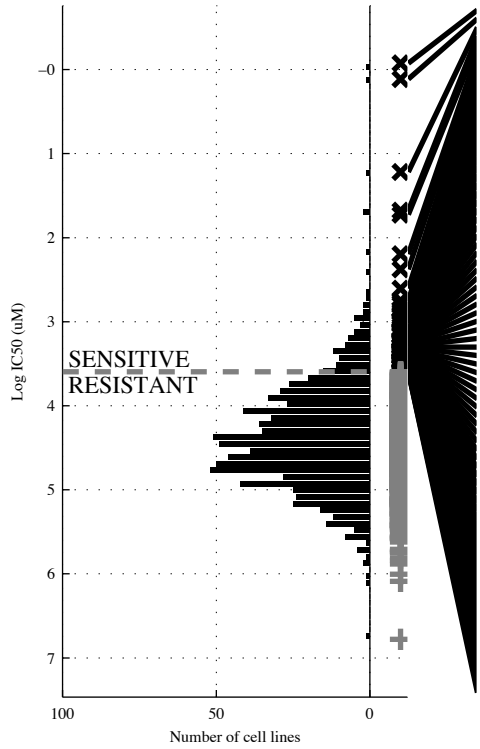
908 cell lines  
 130 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>BRAF</b>	<b>¬AKAP9 &amp; BRAF</b>	<b>BRAF &amp; ¬CSDE1 &amp; ¬MAPK o</b>	<b>¬ADCY1 &amp; BRAF &amp; ¬KRAS &amp; ¬RB1</b>	<b>BRAF   KRAS</b>	<b>[ BRAF &amp; ¬d17p11 ]   [ d18p11 &amp; d6p22. ]</b>	<b>BRAF   KRAS   NRAS</b>	<b>BRAF   KRAS   NRAS PML-RA</b>
TP   FP	43   34	43   30	42   29	43   28	75   119	45   31	94   153	95   153
Specificity	0.96	0.96	0.96	0.97	0.85	0.97	0.8	0.8
FN   TN	87   744	87   748	88   749	87   750	55   659	85   747	36   625	35   625
Precision	0.56	0.58	0.59	0.62	0.39	0.75	0.38	0.38
Recall	0.33	0.33	0.33	0.33	0.58	0.23	0.72	0.73

PANCAN  
 id: 1502 name: Bicalutamide  
 target: ANDR (androgen receptor) class: other

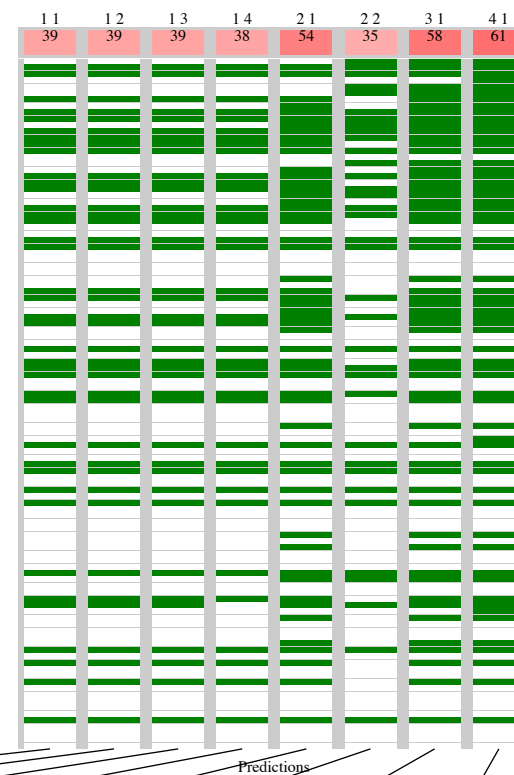
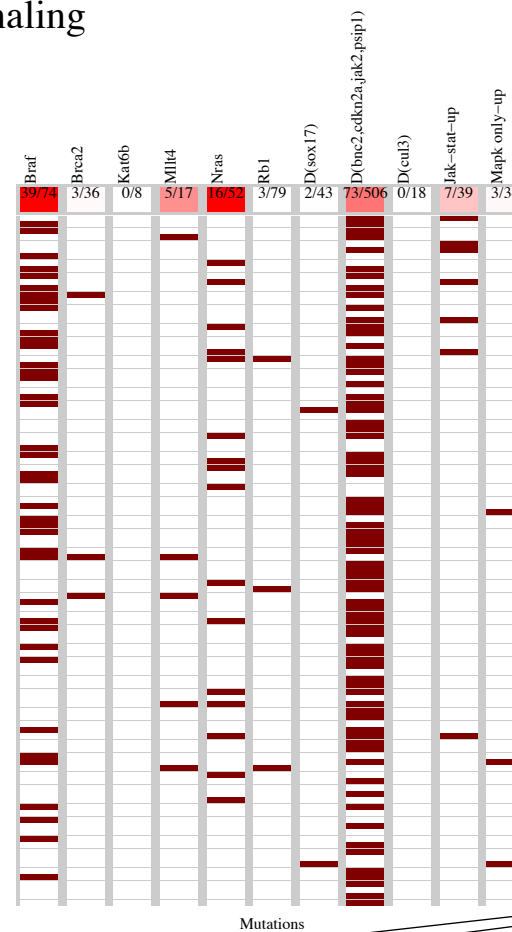
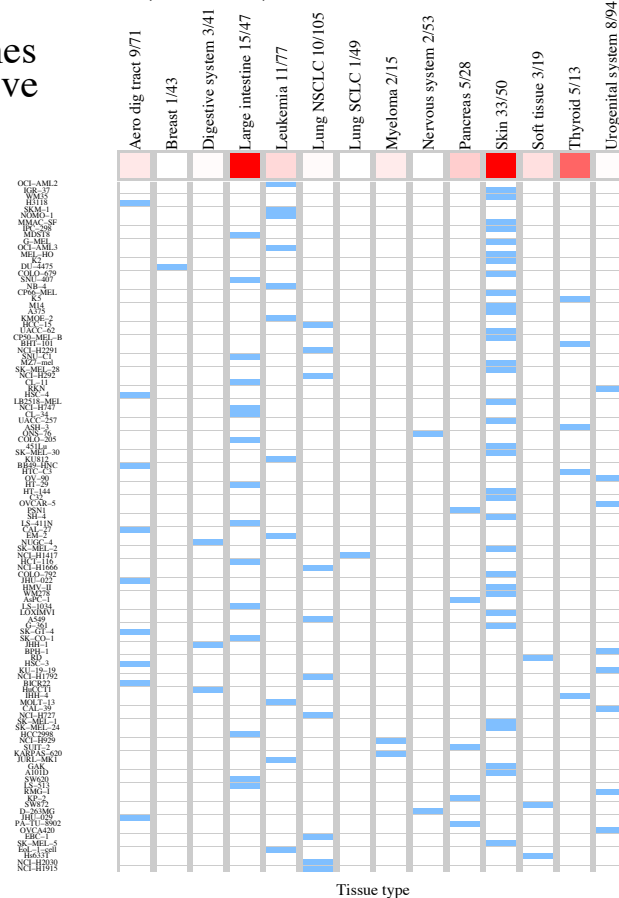
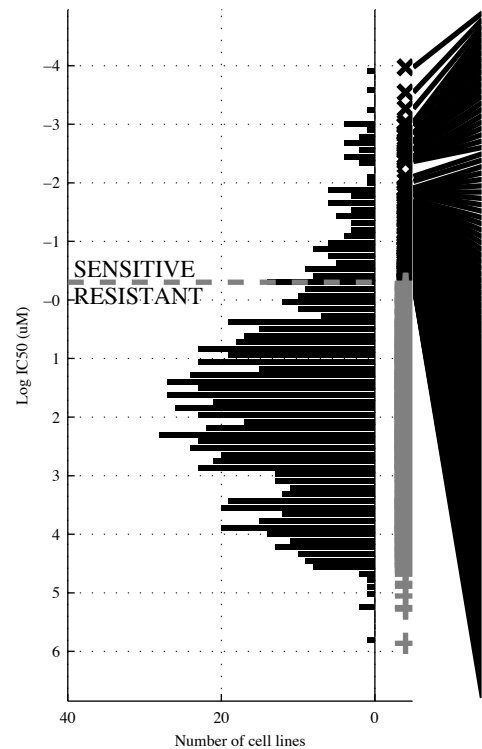
865 cell lines  
 80 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a(CCNE)</b>	<b>~d(BNC&amp;dXp22.)</b>	<b>~d8p21.&amp;~d16q23&amp;dXp22.</b>	<b>~d8p21.&amp;~d16q23&amp;dXp22.&amp;d(PABP)</b>	<b>a(CCNE MAPK o)</b>	<b>[a(CCNE&amp;a(ARID)]   [dXp11.&amp;d(ATRX)]</b>	<b>SMAD4  a(CCNE  MAPK o)</b>	<b>SMAD4  a(CCNE  a(TAOK MAPK o)</b>
TP   FP	6   40	14   102	23   156	23   133	12   60	15   97	19   86	23   108
Specificity	0.95	0.87	0.8	0.83	0.92	0.86	0.89	0.86
FN   TN	74   745	66   683	57   629	57   652	68   725	65   688	61   699	57   677
Precision	0.13	0.12	0.13	0.15	0.17	0.16	0.18	0.18
Recall	0.075	0.17	0.29	0.29	0.15	0.22	0.24	0.29

PANCAN  
 id: 1526 name: RDEA119 (rescreen)  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

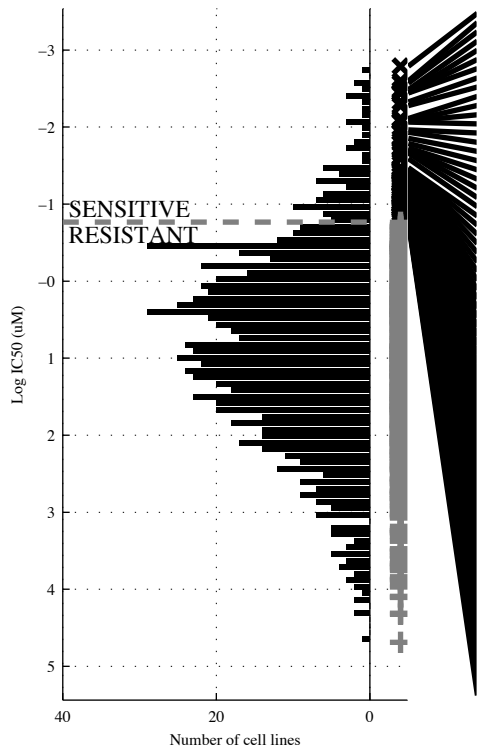
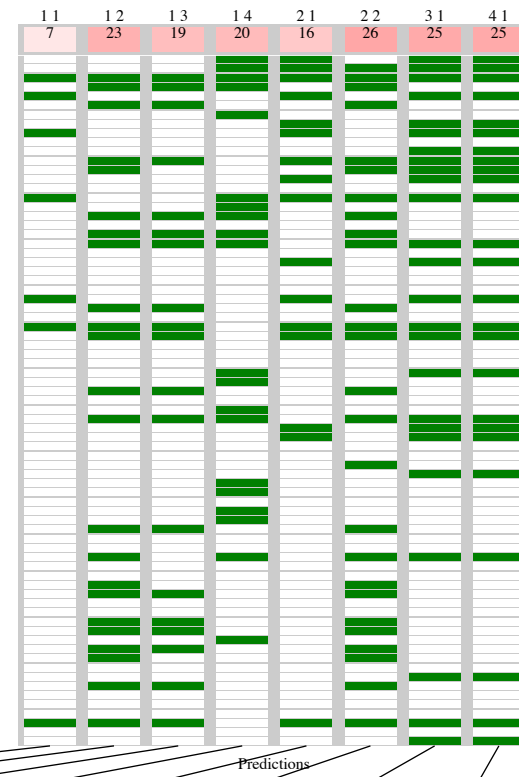
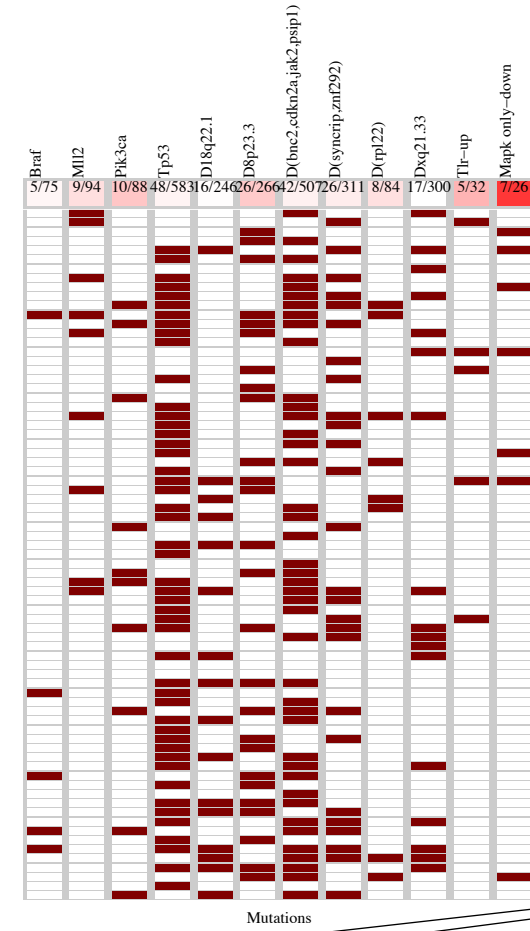
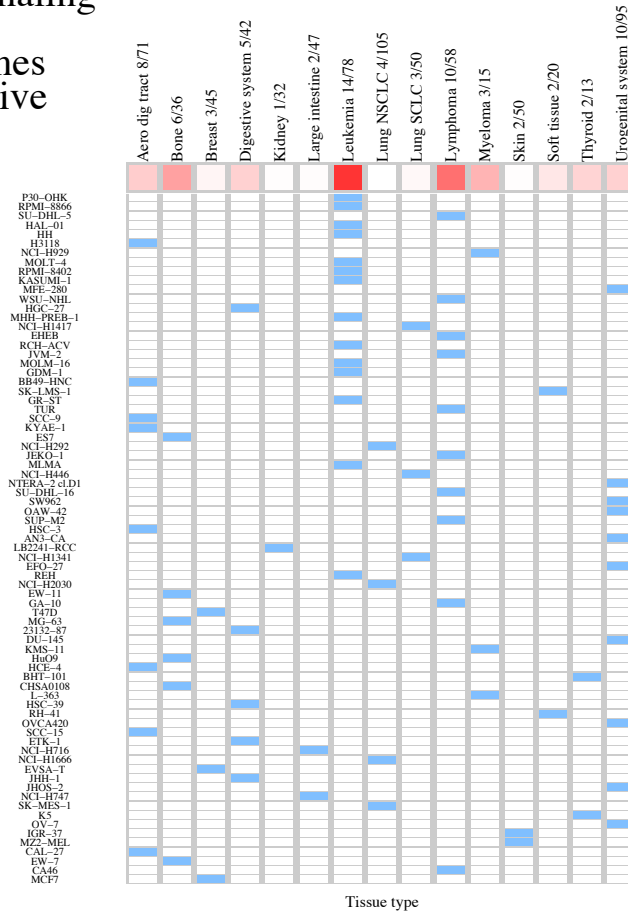
867 cell lines  
 108 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
M																
Logic formula	<b>BRAF</b>		<b>BRAF &amp; ¬d(SOX1)</b>		<b>BRAF &amp; ¬KAT6B</b>		<b>BRAF &amp; ¬KAT6B</b>		<b>BRAF   NRAS</b>		[ <b>BRAF &amp; d(BNC2)</b>   ]		<b>BRAF   NRAS   JAK-ST</b>		<b>BRAF   MLLT4   NRAS   JAK-ST</b>	
TP   FP	39   35	39   32	39   30	38   26	54   71	35   47	58   97	61   106	54   71	35   47	58   97	61   106	58   97	61   106	47   653	47   653
Specificity	0.95	0.96	0.96	0.97	0.91	0.93	0.87	0.86	0.91	0.93	0.87	0.86	0.87	0.86	0.37	0.37
Precision	0.53	0.55	0.57	0.59	0.43	0.43	0.37	0.37	0.43	0.43	0.37	0.37	0.37	0.37	0.54	0.56
FN   TN	69   724	69   727	69   729	70   733	54   688	73   712	50   662	47   653	54   688	73   712	50   662	47   653	50   662	47   653		
Recall	0.36	0.36	0.35	0.35	0.5	0.38	0.54	0.56	0.5	0.38	0.54	0.56	0.54	0.56		

PANCAN  
 id: 1527 name: GDC0941 (rescreen)  
 target: PI3K class: PI3K signaling

875 cell lines  
 75 sensitive

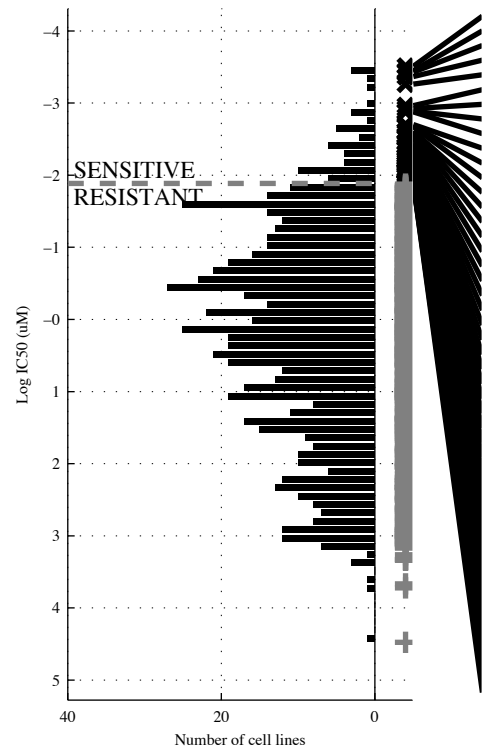


- P30-OHK
- RPML-3866
- SI-DHL-5
- HAL-01
- H3118
- NCL-H929
- MOLT-4
- RPAL-3402
- KASIM-1
- MFE-280
- YSL-341
- HGC-27
- MHH-PHER-1
- NCL-H1417
- EHEB
- RCH-ACV
- JVM-2
- MCLM-16
- GDM-1
- BB9-1
- SK-LMS-1
- GR-ST
- TUB
- SCC-9
- KYAB-1
- EST
- NCL-H292
- JEKO-1
- MLMA
- NCL-H446
- NTERA-2 clD1
- SI-DHL-16
- SW962
- OAW-22
- SUP-M2
- HSC-3
- AN3-CA
- LB2241-RCC
- NCL-H1341
- EFO-27
- REH
- NCL-H2030
- EW-11
- GA-10
- T47D
- MG-63
- 23132-87
- DU-145
- KMS-11
- HuO9
- HCE-4
- BHT-101
- CHSA0108
- L-865
- HSC-39
- RII-41
- OVC-A420
- SOC-15
- ETK-1
- NCL-H716
- NCL-H1666
- EVSA-T
- JHH-1
- JHOS-2
- NCL-H747
- SK-MES-1
- K5
- OY-7
- IGR-37
- MZC-MEL
- CAL-27
- EW-7
- CA46
- MCF7

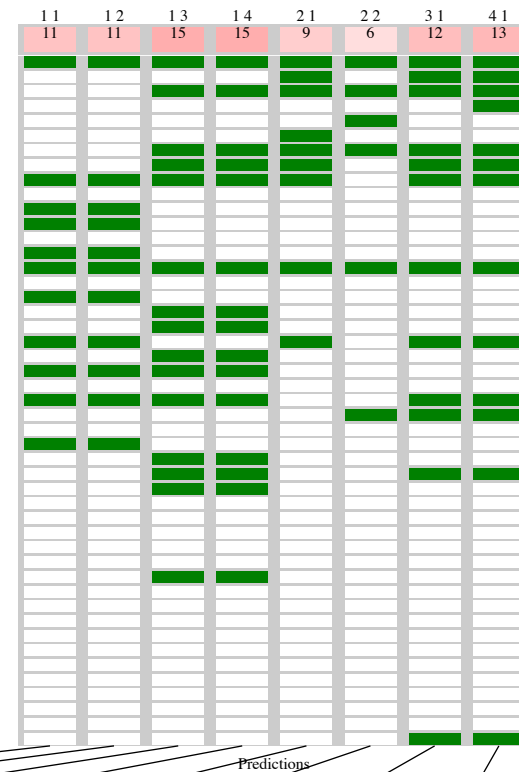
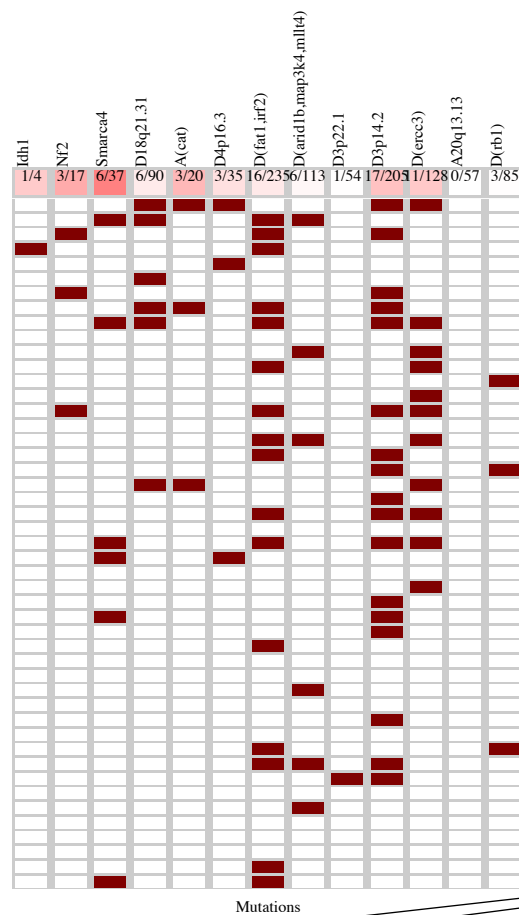
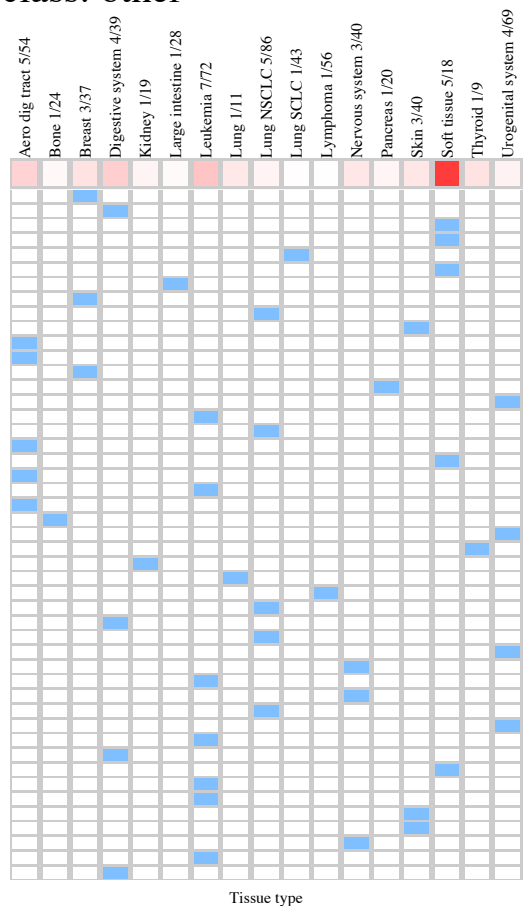
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M			2		4		1	1
Logic formula	<b>MAPK o</b>	<b>d8p23. &amp;-dXq21.</b>	<b>d8p23. &amp;d(SYNG&amp;-dXq21.</b>	<b>-BRAF &amp; -TP53 &amp;-d18q22 &amp;d(RPL2</b>	<b>MLL2  MAPK o</b>	<b>[ -d(BNCX &amp; TLR-UP)   [ d8p23. &amp;-dXq21.]</b>	<b>MLL2  PIK3CA  MAPK o</b>	<b>MLL2  PIK3CA  MAPK ol</b>
TP   FP Specificity	7   19 0.98	23   134 0.83	19   76 0.91	20   151 0.81	16   101 0.87	26   150 0.81	25   158 0.8	25   158 0.85
FN   TN Precision	68   781 0.27	52   666 0.15	56   724 0.2	55   649 0.12	59   699 0.14	49   650 0.15	50   642 0.14	50   642 0.17
Recall	0.093	0.31	0.25	0.27	0.21	0.35	0.33	0.33

PANCAN  
 id: 1529 name: MLN4924  
 target: NEDD8-activating enzyme class: other

693 cell lines  
 47 sensitive



- HCC1806
- GT3TKB
- VA-ES-BJ
- HT-1080
- NCL-H847
- GCT
- RKO
- HCC1428
- NCL-H838
- COLO-800
- T-T
- KON
- DU-4475
- KP-4
- 647-V
- EM-2
- HCC-44
- SAS
- SK-UT-1
- EC-GI-10
- NB-4
- KYSE-270
- ES7
- UM-UC-3
- IHH-4
- HA7-RCC
- H290
- CRO-AP2
- NCL-H1703
- ECC10
- LU-99A
- SNG-M
- Daoy
- ML-2
- MOG-G-1JW
- HCC-78
- SISO
- MONO-MAC-6
- HGC-27
- A673
- MV-4-11
- RPMI-8866
- IST-MEL1
- LOXIMV1
- A172
- OCI-AML2
- SK-HEP-1

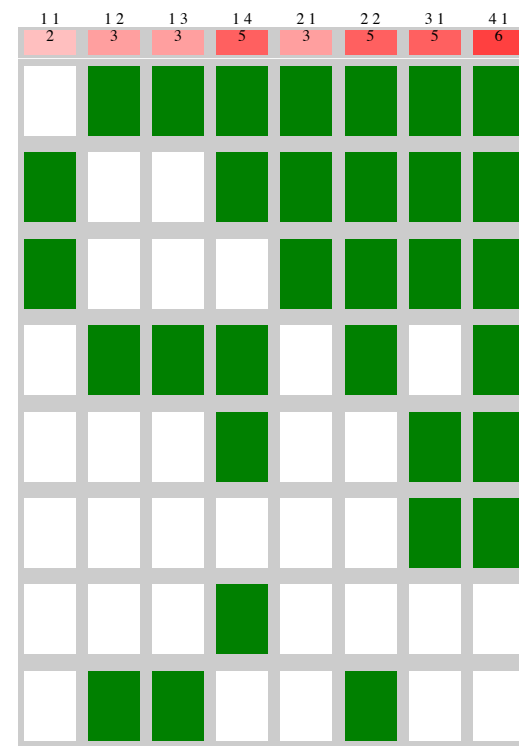
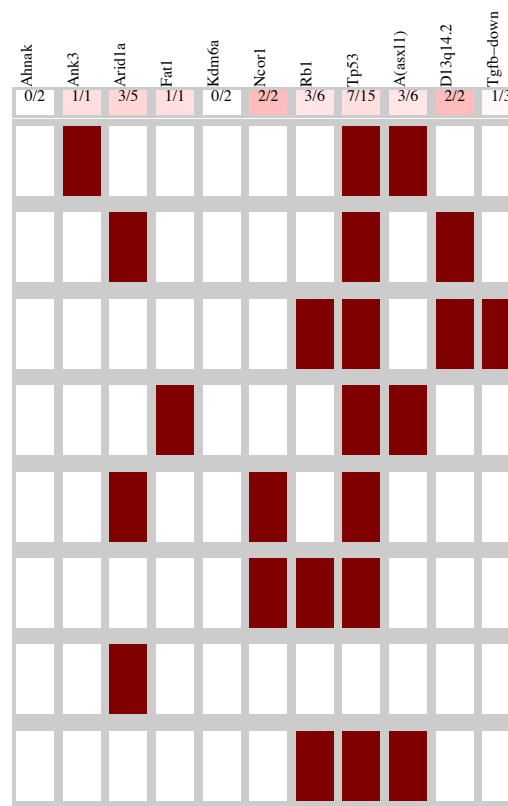
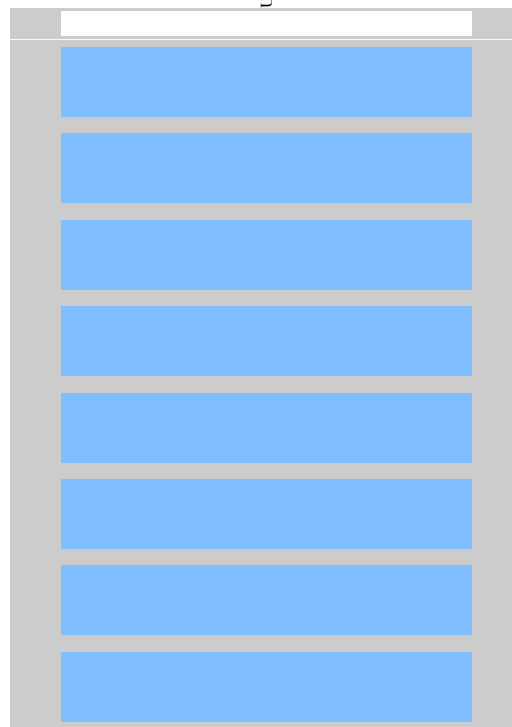
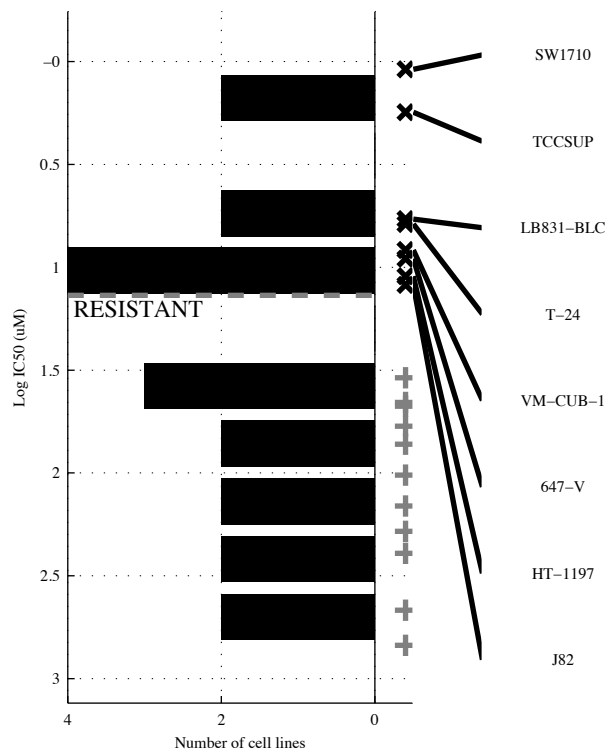


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d(ERCC)</b>	<b>d(ERCC) &amp; d(RB1)</b>	<b>d(ARID1A) &amp; d3p22 &amp; d3p14.</b>	<b>d(ARID1A) &amp; d3p22 &amp; d3p14. &amp; a20q13</b>	<b>NF2   d18q21</b>	<b>[ NF2 &amp; d3p14. ]   [ d4p16. &amp; d(FAT1) ]</b>	<b>NF2 SMARCA4</b> <b>a(CAT)</b>	<b>IDH1   NF2   SMARCA4 a(CAT)</b>
TP   FP	11   117	11   90	15   105	15   94	9   97	6   15	12   62	13   65
Specificity	0.82	0.86	0.84	0.85	0.85	0.98	0.9	0.9
FN   TN	36   529	36   556	32   541	32   552	38   549	41   631	35   584	34   581
Precision	0.086	0.11	0.13	0.14	0.085	0.29	0.16	0.17
Recall	0.23	0.23	0.32	0.32	0.19	0.13	0.26	0.28

BLCA  
 id: 166 name: FTI-277  
 target: Farnesyl transferase (FNTA) class: other

19 cell lines  
 8 sensitive

Urogenital system 8/19

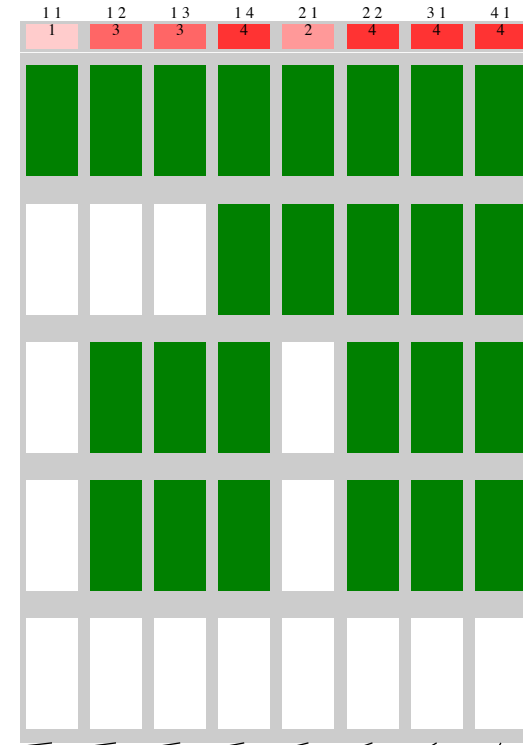
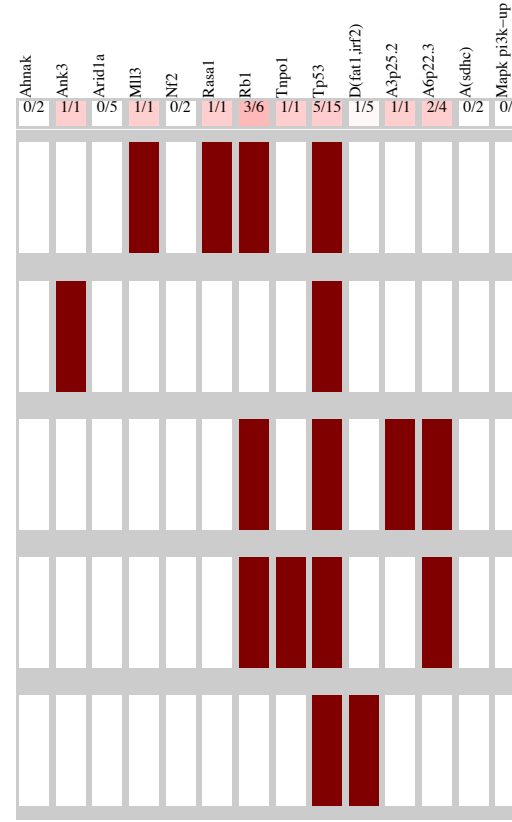
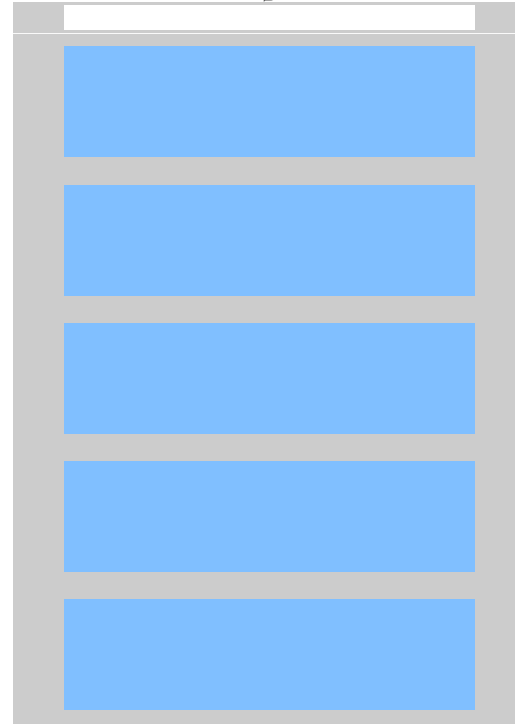
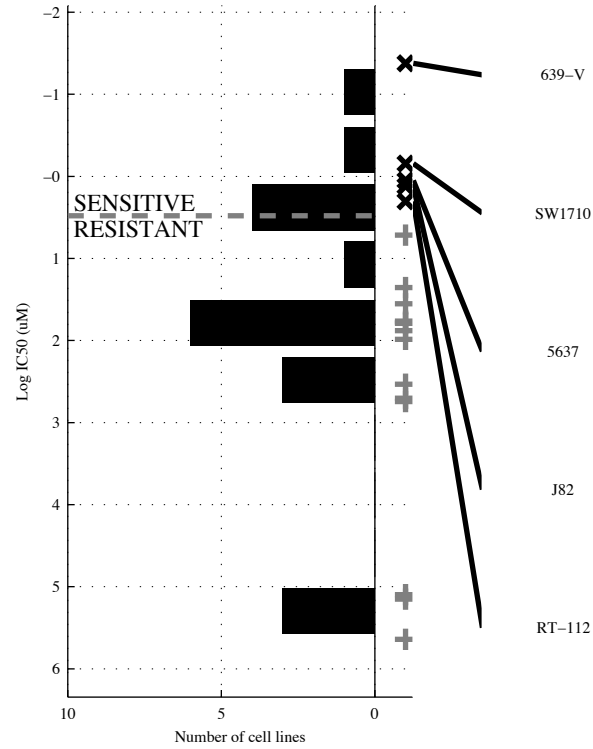


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d13q14</b>	<b>¬ARID1 &amp; a(ASXL)</b>	<b>¬ARID1 &amp; TP53 &amp; a(ASXL)</b>	<b>¬AHNAI &amp; KDM6 &amp; ¬RB1 &amp; TGFB-D</b>	<b>ANK3   d13q14</b>	<b>[ TP53 &amp; d13q14 ]   [ ¬ARID1 &amp; a(ASXL) ]</b>	<b>ANK3   NCOR1   d13q14</b>	<b>ANK3   FAT1   NCOR1   d13q14</b>
TP   FP	2   0	3   1	3   0	5   2	3   0	5   1	5   0	6   0
Specificity	1	0.91	1	0.82	1	0.91	1	1
FN   TN	6   11	5   10	5   11	3   9	5   11	3   10	3   11	2   11
Precision	1	0.75	1	0.71	1	0.83	1	1
Recall	0.25	0.38	0.38	0.63	0.38	0.63	0.63	0.75

BLCA  
 id: 167 name: OSU-03012  
 target: PDPK1 (PDK1) class: PI3K signaling

19 cell lines  
 5 sensitive

Urogenital system 5/19

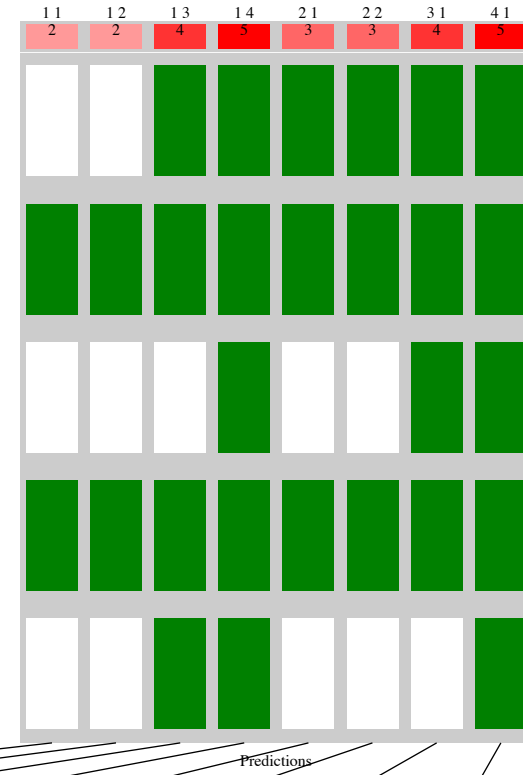
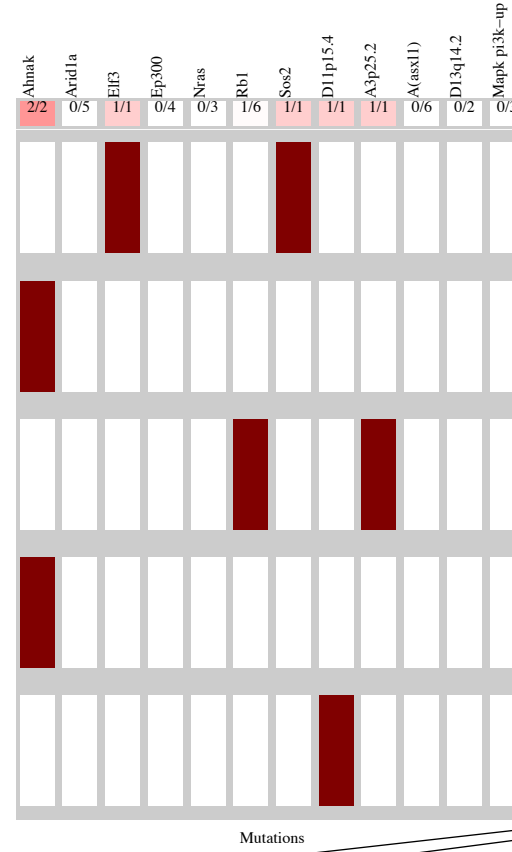
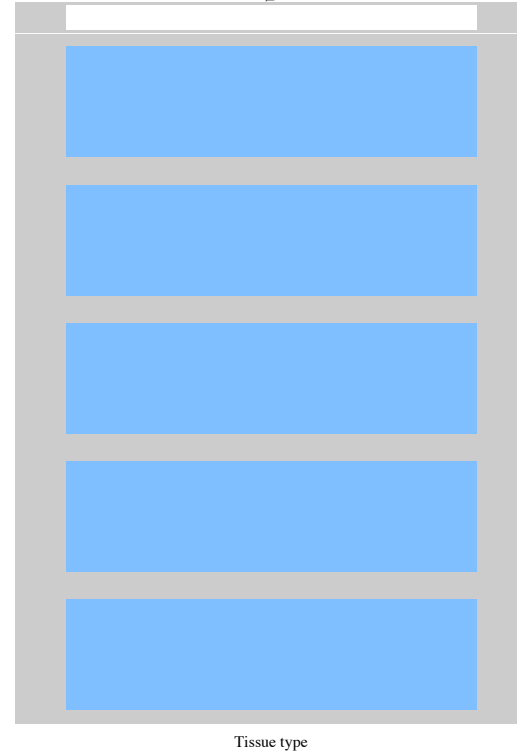
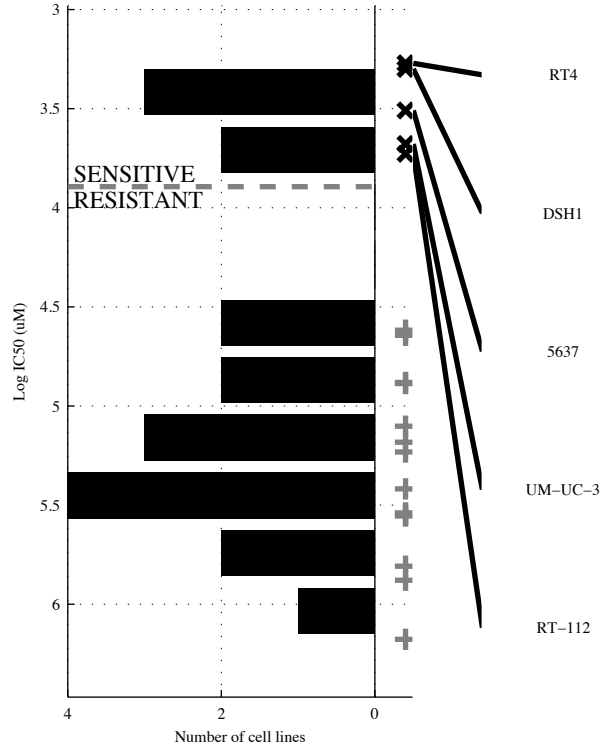


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>MLL3</b>	<b>RB1 &amp; a(SDHC</b>	<b>¬ARID1 &amp; ¬NF2 &amp; RB1</b>	<b>TP53 &amp; ¬d(FAT &amp; ¬a(SDHC &amp; MAPK P</b>	<b>ANK3   RASA1</b>	<b>[ RB1 &amp; a(SDHC ]   [¬AHNAK &amp; ANK3 ]</b>	<b>ANK3   RASA1   a6p22.</b>	<b>ANK3   RASA1   TNPO1   a3p25.</b>
TP   FP Specificity	1   0 1	3   1 0.93	3   0 1	4   2 0.86	2   0 1	4   1 0.93	4   2 0.86	4   0 1
FN   TN Precision	4   14 0.2	2   13 0.75	2   14 0.6	1   12 0.67	3   14 0.4	1   13 0.8	1   12 0.67	1   14 0.8
Recall		0.6	0.6	0.8		0.8	0.8	0.8

BLCA  
 id: 265 name: Tubastatin A  
 target: HDAC6 class: chromain histone acetylation

19 cell lines  
 5 sensitive

Urogenital system 5/19

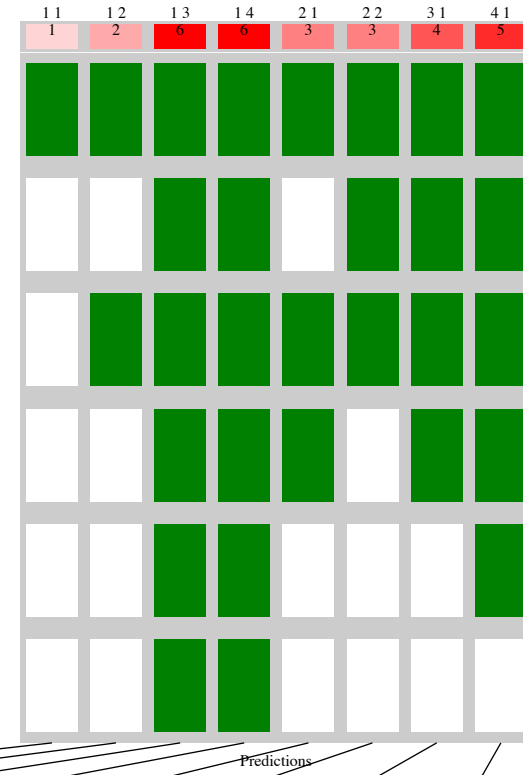
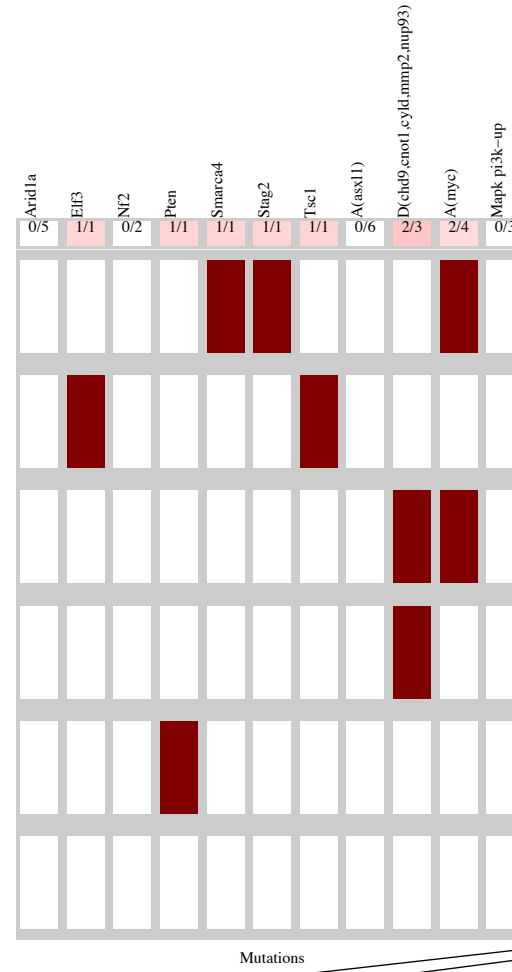
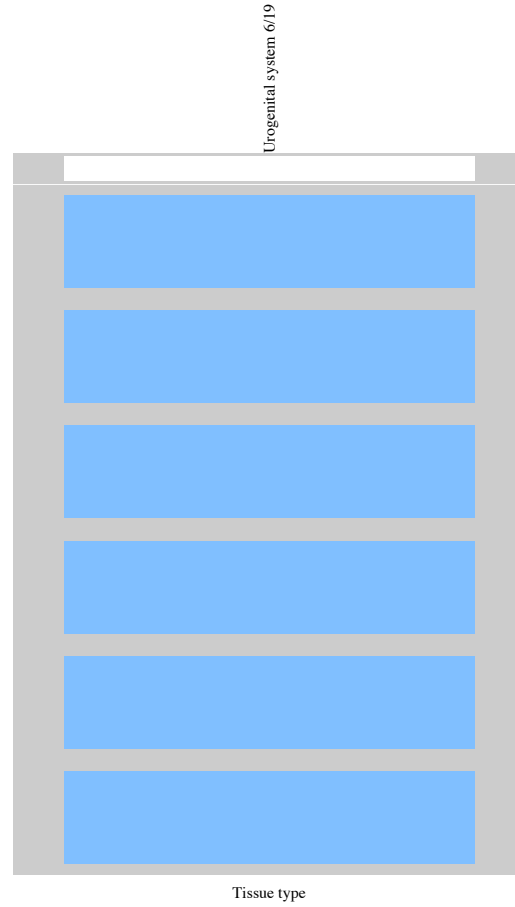
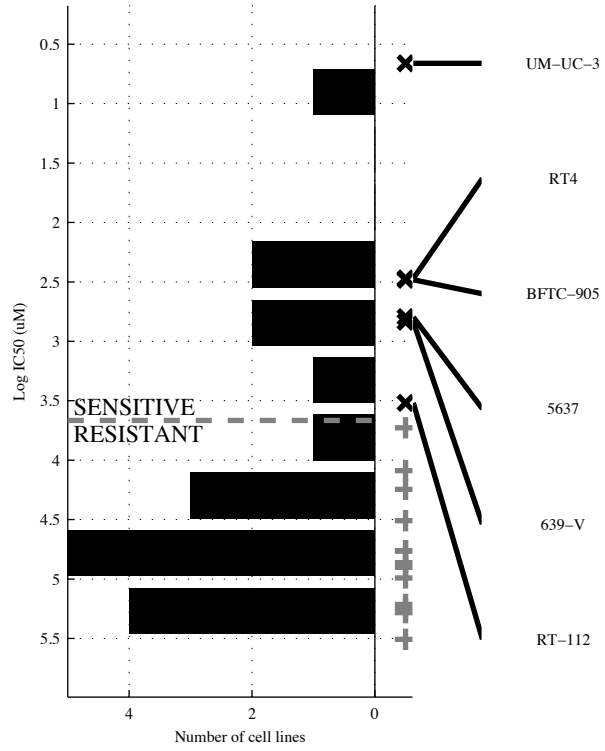


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>AHNAK</b>	<b>AHNAK&amp;</b>	<b>~ARID1&amp; ~RB1 &amp; ~a(ASXL</b>	<b>~EP300&amp;~NRAS&amp; ~a(ASXL&amp;~d13q14</b>	<b>AHNAK  ELF3</b>	<b>[ SOS2 &amp;MAPK ]   [AHNAK&amp; ]</b>	<b>AHNAK  ELF3   a3p25.</b>	<b>AHNAK  ELF3   d11p15   a3p25.</b>
TP   FP	2   0	2   0	4   2	5   1	3   0	3   0	4   0	5   0
Specificity	1	1	0.86	0.93	1	1	1	1
FN   TN	3   14	3   14	1   12	0   13	2   14	2   14	1   14	0   14
Precision	1	1	0.67	0.83	1	1	1	1
Recall	0.4	0.4	0.8	1	0.6	0.6	0.8	1



BLCA  
 id: 300 name: CX-5461  
 target: RNA Pol I class: other

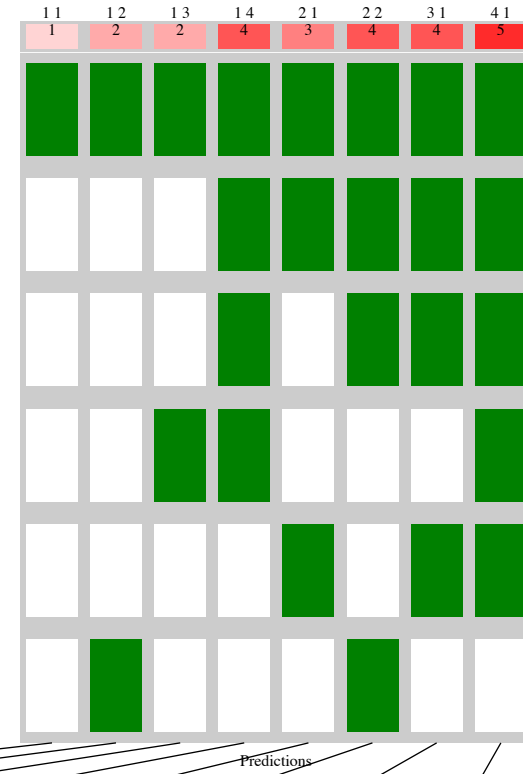
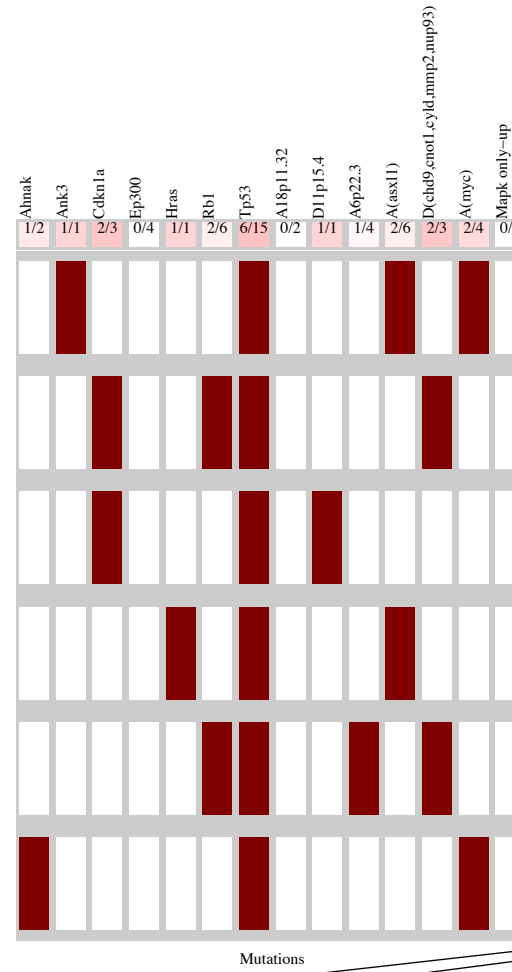
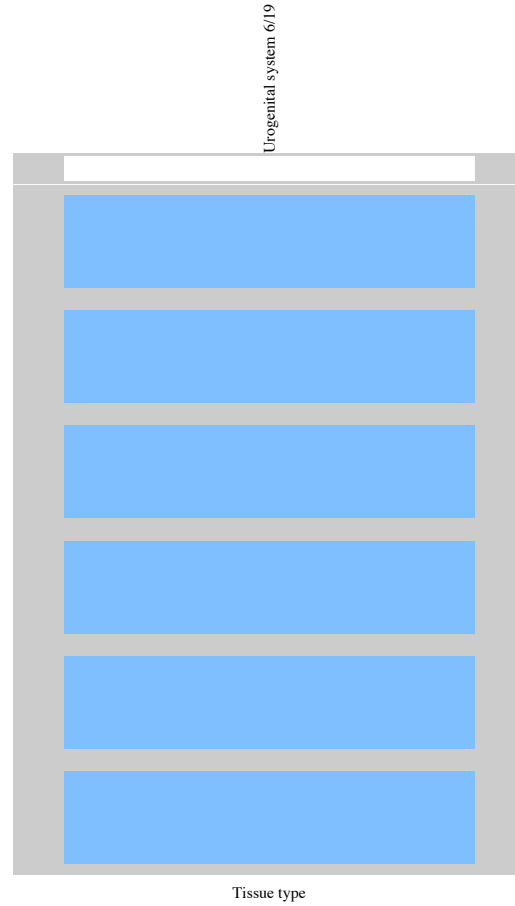
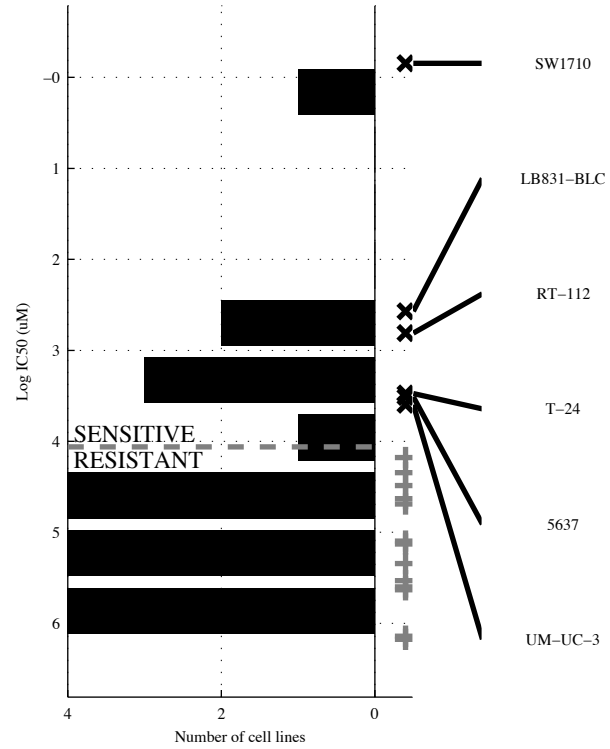
19 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>SMARCA</b>	<b>¬a(ASXL&amp;a(MYC)</b>	<b>¬ARID1&amp; ¬NF2 &amp; ¬a(ASXL</b>	<b>¬ARID1&amp; ¬NF2 &amp; ¬a(ASXL&amp;MAPK P</b>	<b>STAG2   d(CHD9</b>	<b>[ ¬NF2 &amp; TSC1 ]   [¬a(ASXL&amp;a(MYC)]</b>	<b>ELF3   STAG2   d(CHD9</b>	<b>ELF3   PTEN   STAG2   d(CHD9</b>
TP   FP	1   0	2   0	6   2	6   1	3   1	3   0	4   1	5   1
Specificity	1	1	0.85	0.92	0.92	1	0.92	0.92
FN   TN	5   13	4   13	0   11	0   12	3   12	3   13	2   12	1   12
Precision	1	1	0.75	0.86	0.75	1	0.8	0.83
Recall	0.17	0.33	1	1	0.5	0.5	0.67	0.83

BLCA  
 id: 309 name: Y-39983  
 target: ROCK class: cytoskeleton

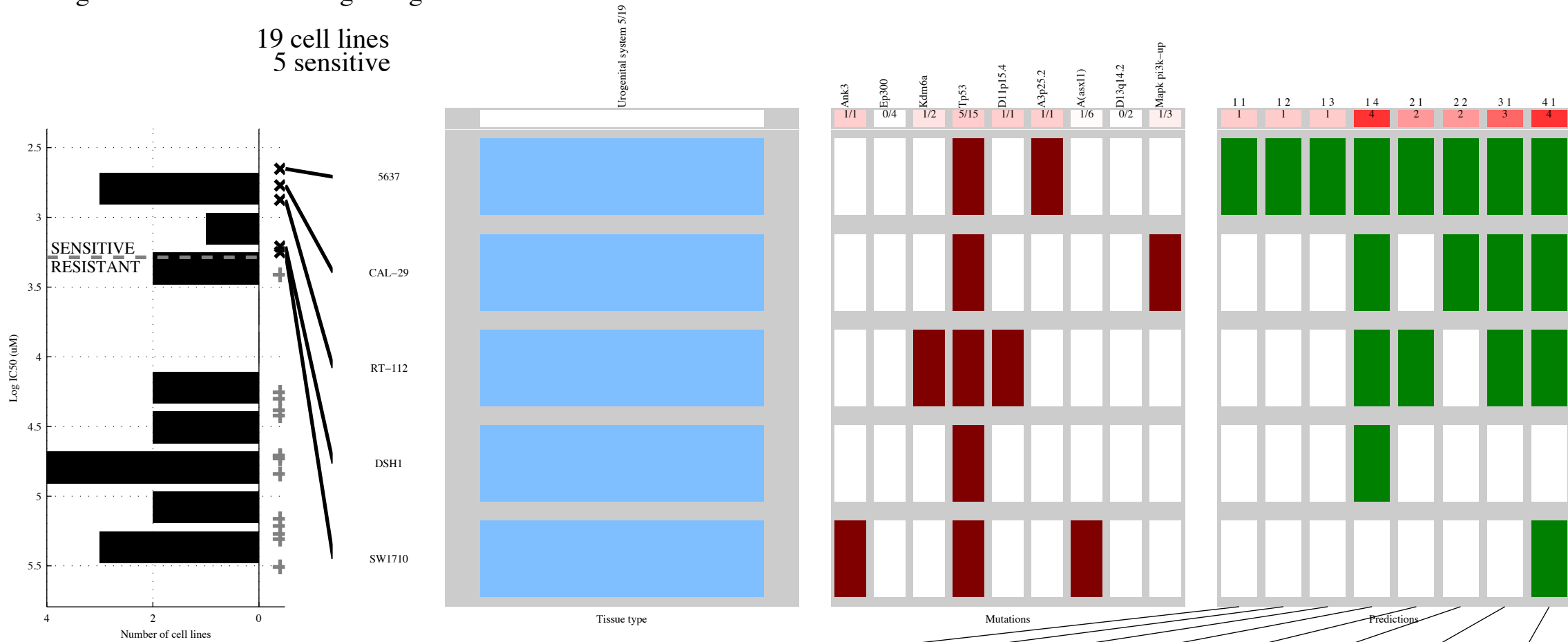
19 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>ANK3</b>	<b>~a18p11&amp;a(MYC)</b>	<b>~RB1 &amp; TP53 &amp; a(ASXL</b>	<b>~AHNA1&amp;~EP300&amp; TP53 &amp;~a6p22.</b>	<b>ANK3   d(CHD9</b>	<b>[~a18p11&amp;a(MYC)]   [CDKN1A&amp;MAPK d</b>	<b>ANK3   d11p15   d(CHD9</b>	<b>ANK3   HRAS   d11p15   d(CHD9</b>
TP   FP	1   0	2   0	2   0	4   2	3   1	4   0	4   1	5   1
Specificity	1	1	1	0.85	0.92	1	0.92	0.92
FN   TN	5   13	4   13	4   13	2   11	3   12	2   13	2   12	1   12
Precision	1	1	1	0.67	0.75	1	0.8	0.83
Recall	0.17	0.33	0.33	0.67	0.5	0.67	0.67	0.83

BLCA  
 id: 326 name: GSK690693  
 target: AKT class: PI3K signaling

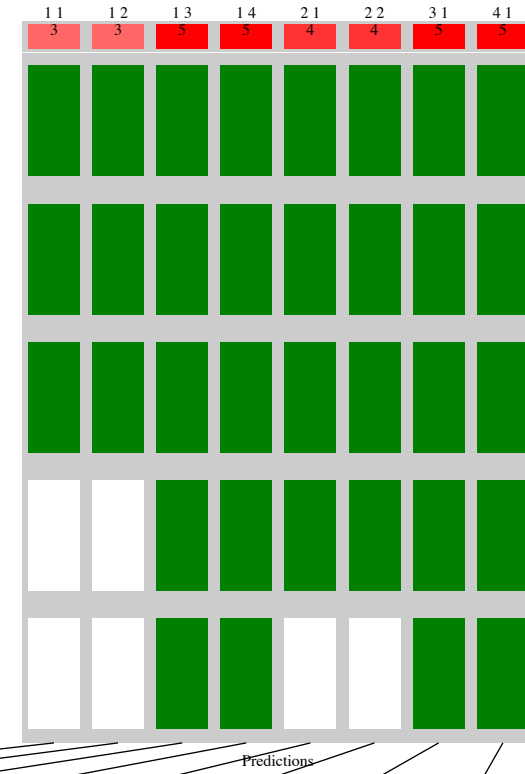
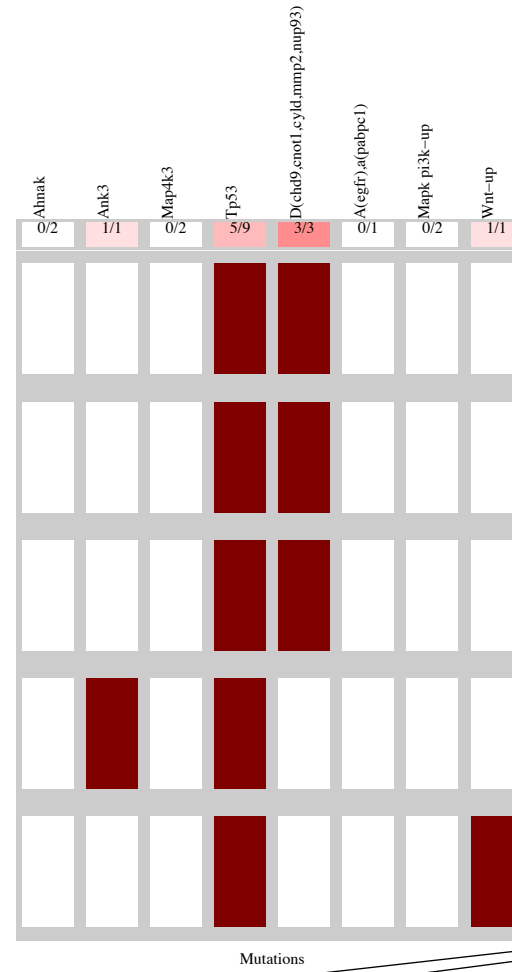
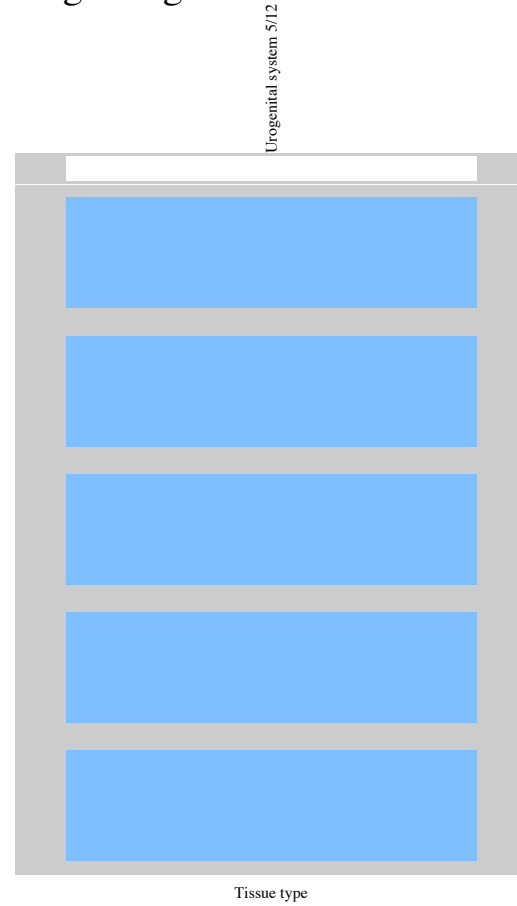
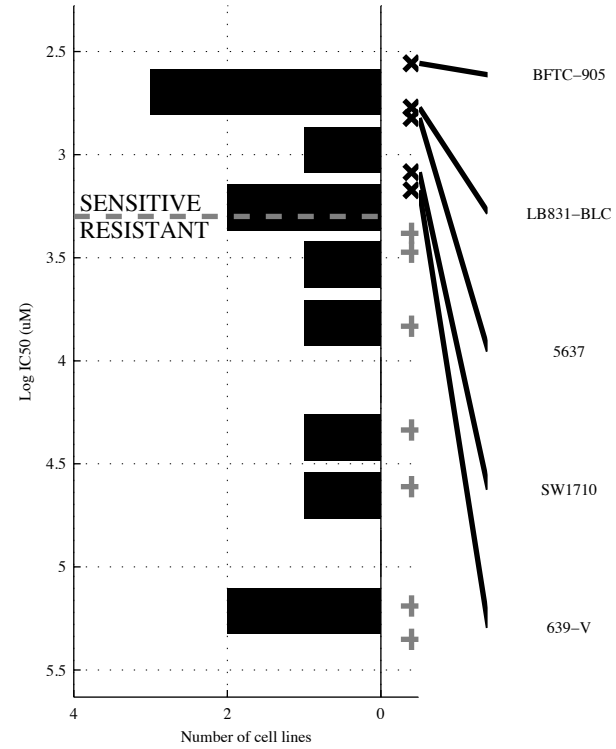
19 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a3p25.</b>	<b>a3p25. &amp;</b>	<b>a3p25. &amp;a(ASXI&amp;</b> <b>-d13q14</b>	<b>-EP300&amp; TP53 &amp;</b> <b>-a(ASXI&amp;-d13q14</b>	<b>d11p15   a3p25.</b>	<b>[~a(ASXI&amp;MAPK P]</b> <b> </b> <b>[ a3p25. &amp;MAPK P]</b>	<b>KDM6A   a3p25.  </b> <b>MAPK P</b>	<b>ANK3  KDM6A  </b> <b>a3p25.  MAPK P</b>
TP   FP	1   0	1   0	1   0	4   2	2   0	2   0	3   2	4   2
FN   TN	4   14	4   14	4   14	1   12	3   14	3   14	2   12	1   12
Specificity	0.2	0.2	0.2	0.86	0.4	0.4	0.86	0.86
Precision	1	1	1	0.67	1	1	0.6	0.67
Recall	0.2	0.2	0.2	0.8	0.4	0.4	0.6	0.8

BLCA  
 id: 1025 name: SB 216763  
 target: GSK3A, GSK3B class: WNT signaling

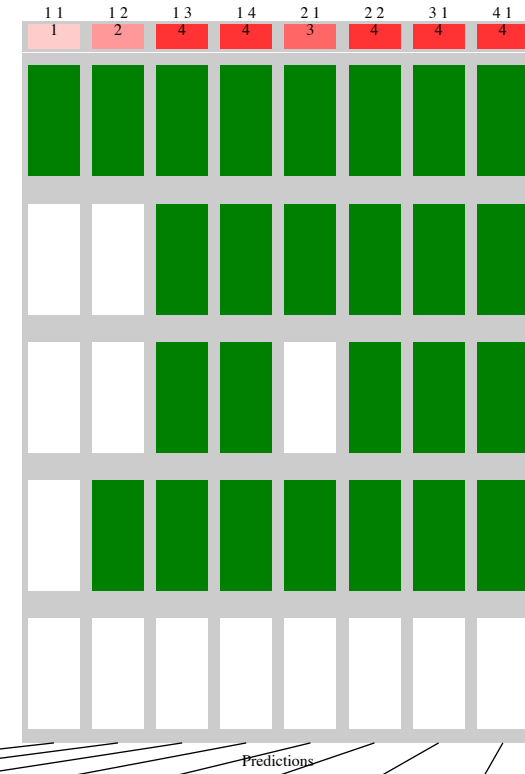
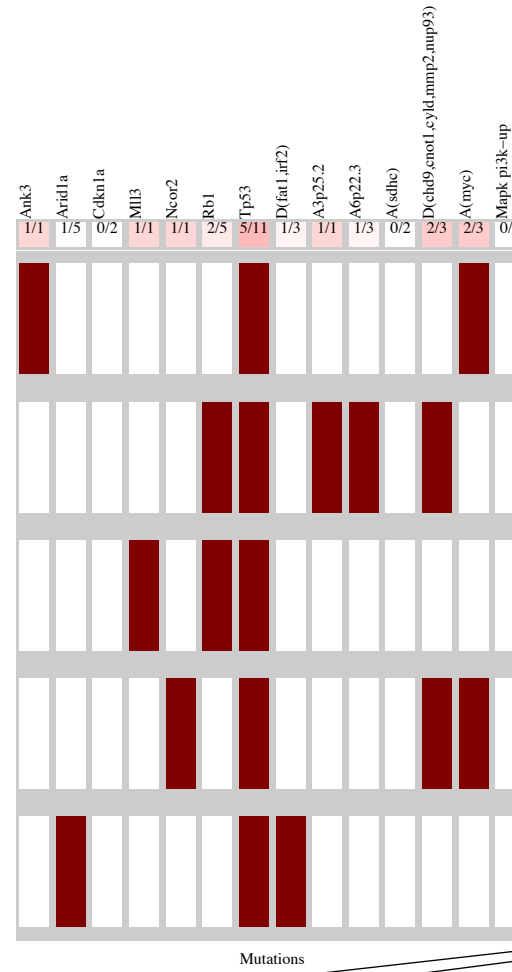
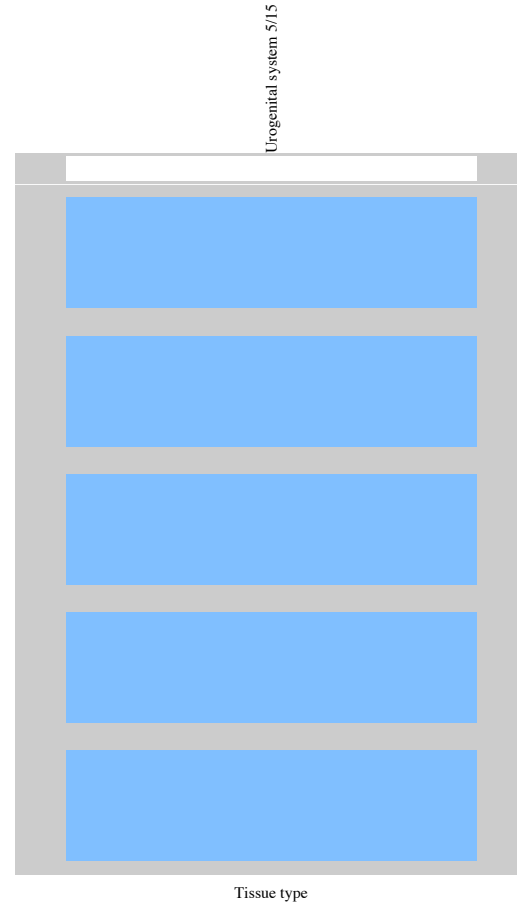
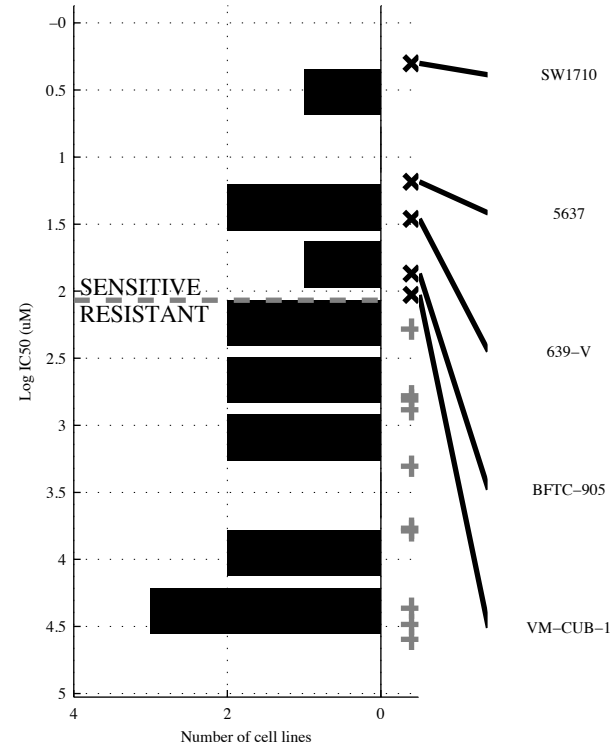
12 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d(CHD9)</b>	<b>d(CHD9&amp;</b>	<b>~AHNAI&amp;MAP4K&amp;</b> <b>TP53</b>	<b>~AHNAI&amp; TP53 &amp;</b> <b>~a(EGFR&amp;MAPK P</b>	<b>ANK3  d(CHD9</b>	<b>[ ANK3 &amp; TP53 ]</b> <b> </b> <b>[d(CHD9&amp;MAPK P]</b>	<b>ANK3  d(CHD9 </b> <b>Wnt-UP</b>	<b>ANK3  d(CHD9 </b> <b>Wnt-UP </b>
TP   FP	3   0	3   0	5   1	5   0	4   0	4   0	5   0	5   0
FN   TN	2   7	2   7	0   6	0   7	1   7	1   7	0   7	0   7
Specificity	1	1	0.86	1	1	1	1	1
Precision	1	1	0.83	1	1	1	1	1
Recall	0.6	0.6	1	1	0.8	0.8	1	1

BLCA  
 id: 1052 name: RO-3306  
 target: CDK1 class: cell cycle

15 cell lines  
 5 sensitive

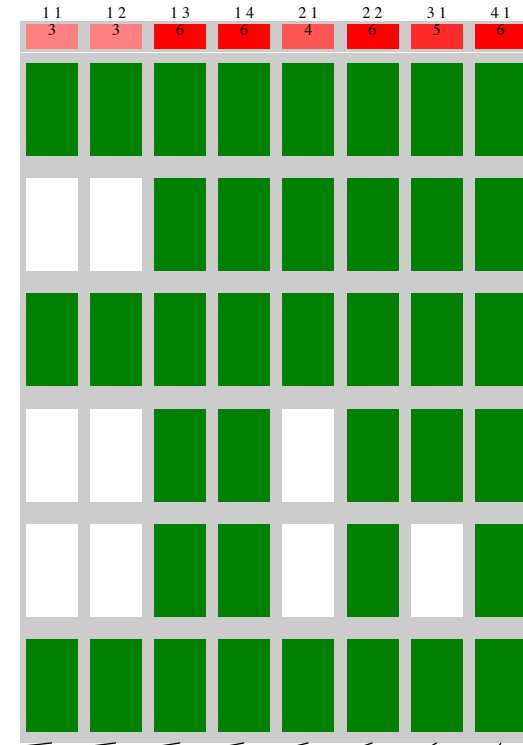
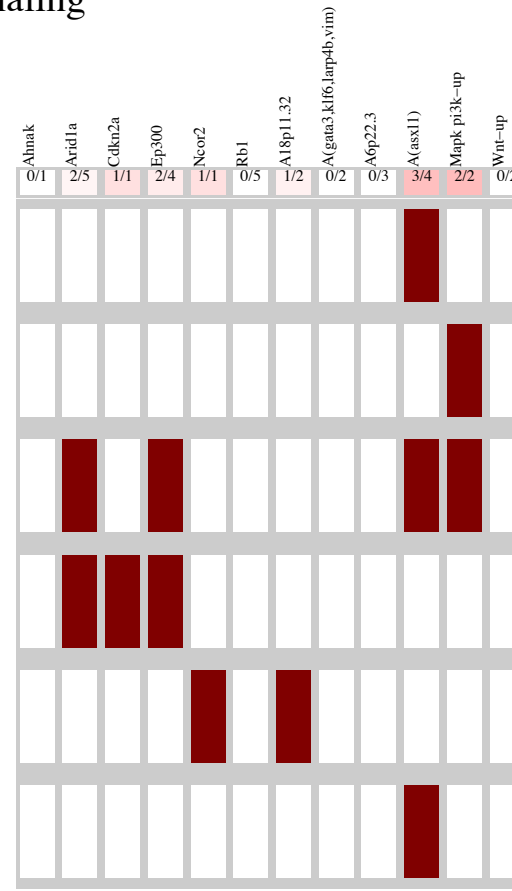
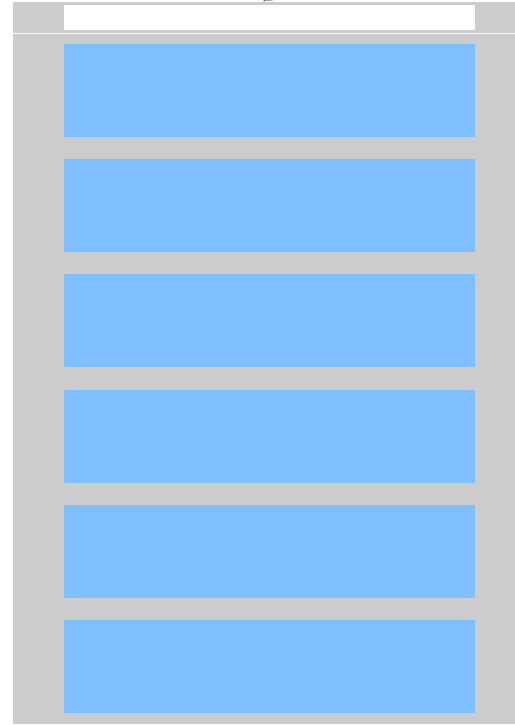
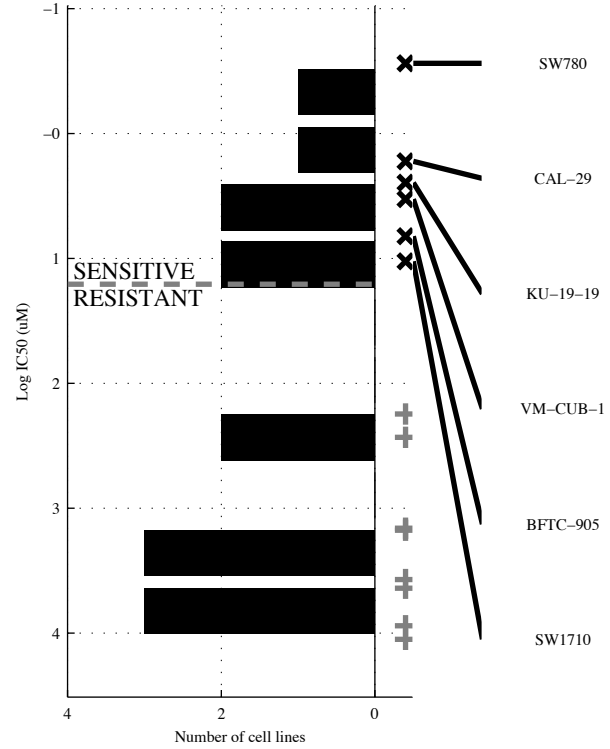


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>ANK3</b>	<b>¬a6p22.&amp;a(MYC)</b>	<b>TP53 &amp;¬d(FAT&amp;</b> <b>¬a(SDHC</b>	<b>¬ARID1&amp;CDKN1&amp;</b> <b>TP53 &amp;MAPK P</b>	<b>ANK3   d(CHD9</b>	<b>[ ¬a6p22.&amp;a(MYC) ]</b> <b> </b> <b>¬CDKN1&amp; RB1 ]</b>	<b>ANK3   MLL3  </b> <b>d(CHD9</b>	<b>ANK3   MLL3  </b> <b>NCOR2   a3p25.</b>
TP   FP Specificity	1   0	2   0	4   2	4   1	3   1	4   1	4   1	4   0
FN   TN Precision	4   10	3   10	1   8	1   9	2   9	1   9	1   9	1   10
Recall	0.2	0.4	0.8	0.8	0.6	0.8	0.8	0.8

BLCA  
 id: 1062 name: AZD6244  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

14 cell lines  
 6 sensitive

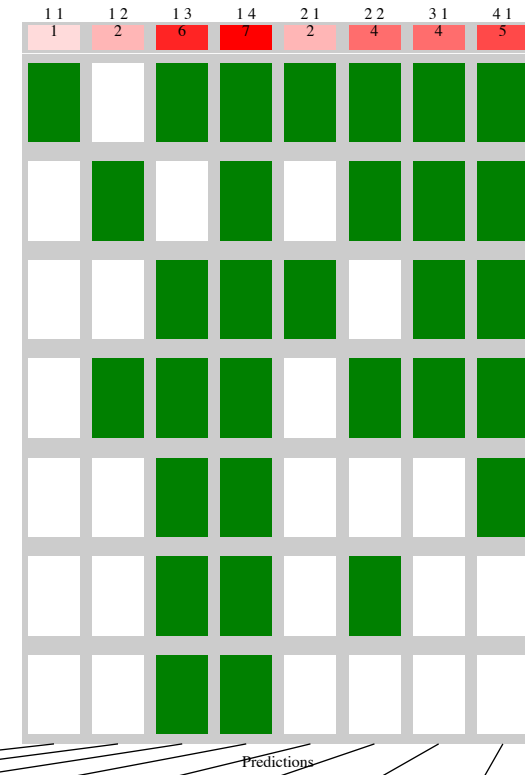
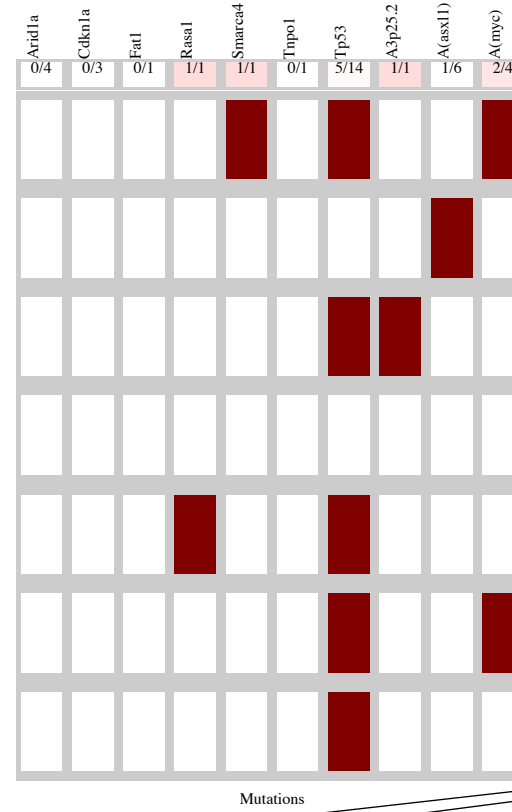
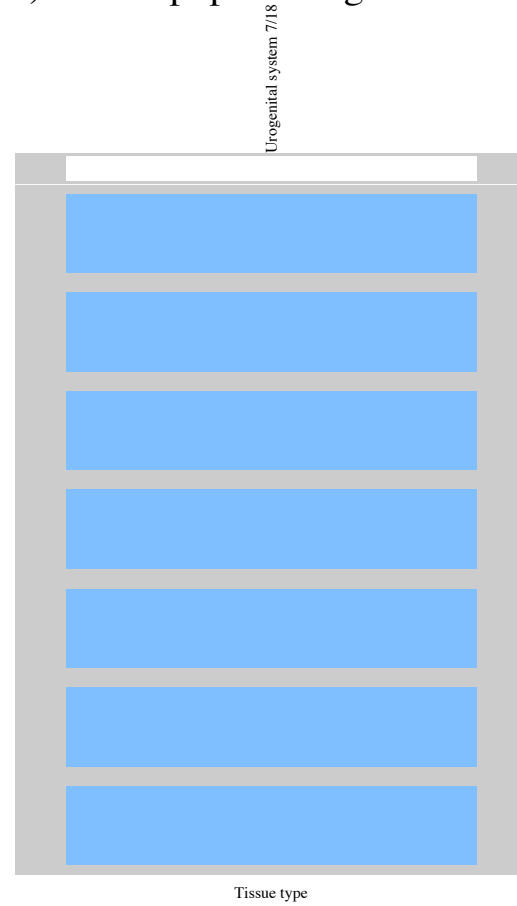
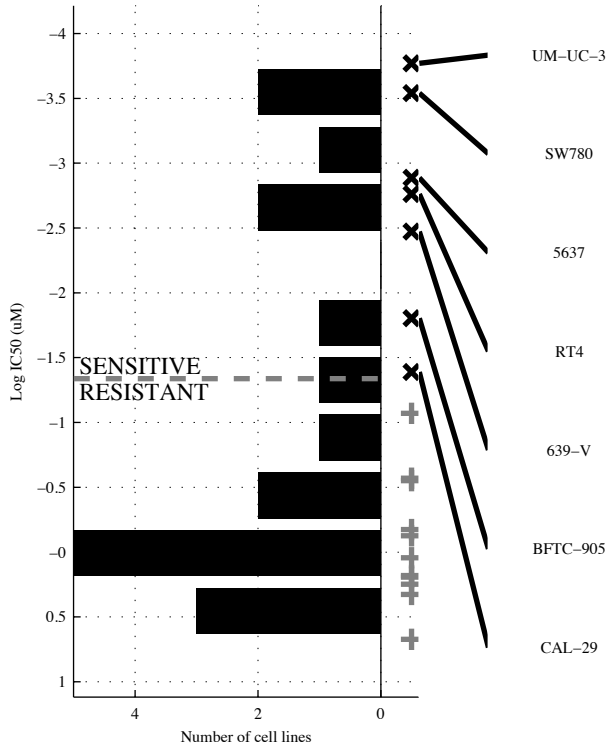
Urogenital system 6/14



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a(ASXL)</b>	<b>¬a18p11&amp;a(ASXL)</b>	<b>¬AHNAI &amp; ¬RB1 &amp; ¬a6p22.</b>	<b>¬AHNAI &amp; ¬RB1 &amp; ¬a(GAT &amp; ¬a6p22.)</b>	<b>a(ASXL   MAPK P</b>	<b>[ EP300 &amp; Wnt-UP ]   [ ¬ARID1 &amp; ¬RB1 ]</b>	<b>CDKN2A   a(ASXL   MAPK P</b>	<b>CDKN2A   NCOR2   a(ASXL   MAPK P</b>
TP   FP	3   1	3   0	6   1	6   0	4   1	6   1	5   1	6   1
Specificity	0.88	1	0.88	1	0.88	0.88	0.88	0.88
FN   TN	3   7	3   8	0   7	0   8	2   7	0   7	1   7	0   7
Precision	0.75	1	0.86	1	0.8	0.86	0.83	0.86
Recall	0.5	0.5	1	1	0.67	1	0.83	1

BLCA  
 id: 1261 name: rTRAIL  
 target: TR10A (DR4), TR10B (DR5) class: apoptosis regulation

18 cell lines  
 7 sensitive

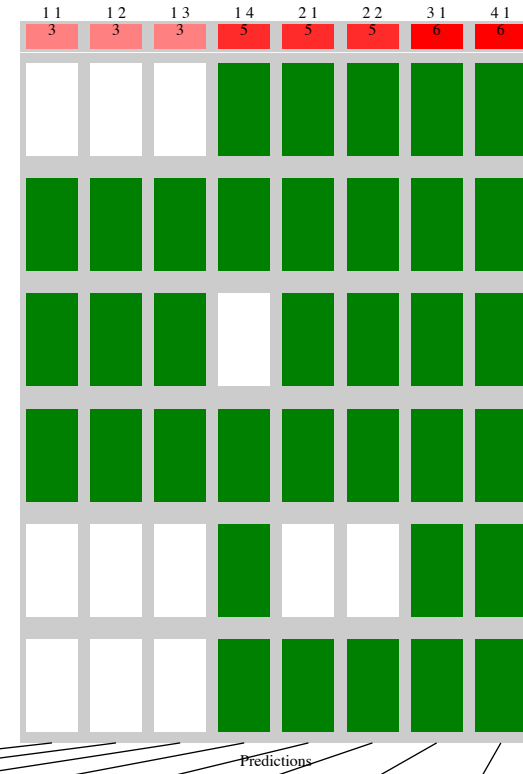
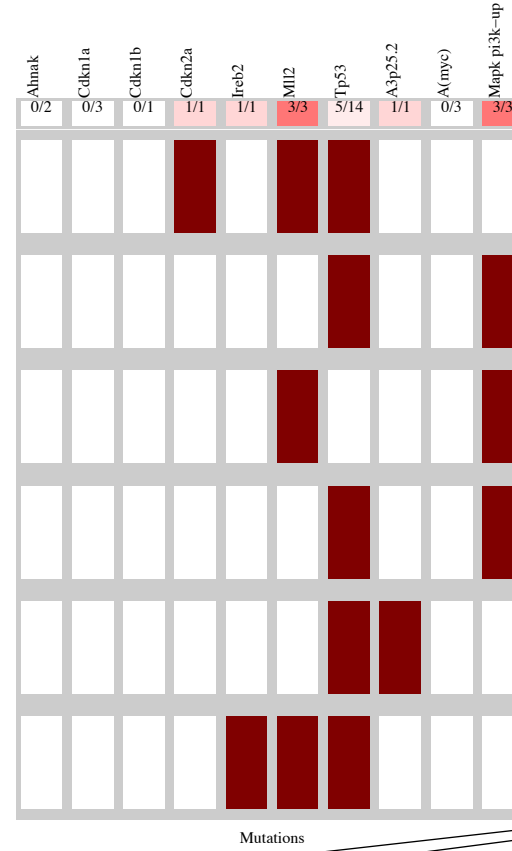
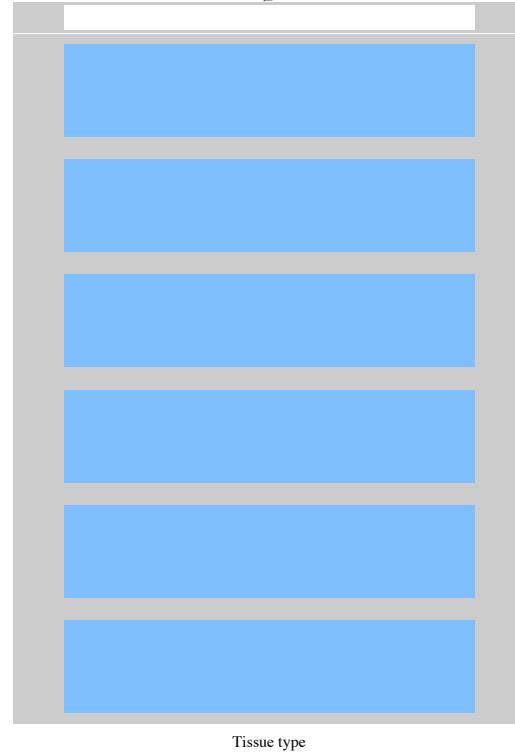
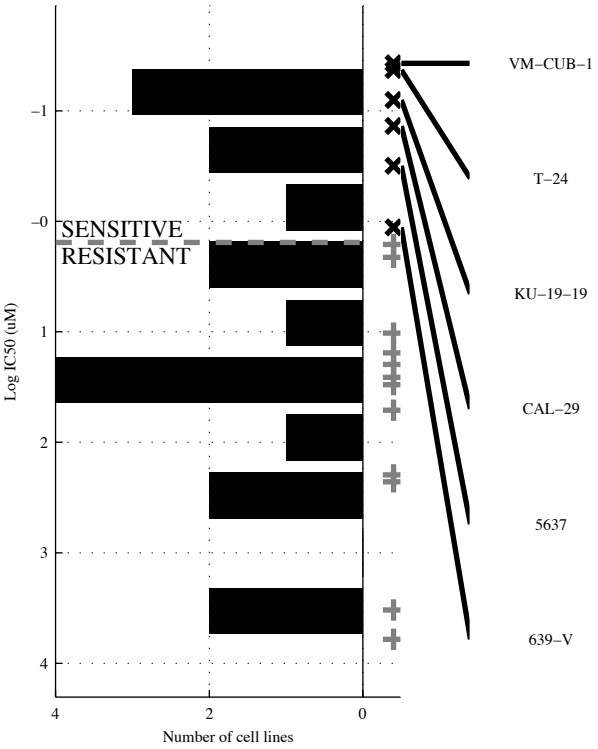


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>SMARCA</b>	<b>-ARID1&amp;-TP53</b>	<b>-ARID1&amp;CDKN1&amp;-a(ASXL</b>	<b>-ARID1&amp;CDKN1&amp;-FAT1&amp;-TNPO1</b>	<b>SMARCA a3p25.</b>	<b>[¬a(ASXL&amp;a(MYC)]   [¬ARID1&amp;-TP53]</b>	<b>SMARCA ¬TP53   a3p25.</b>	<b>RASA1 SMARCA ¬TP53   a3p25.</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{6} \mid \frac{0}{11}$ 1 0.14	$\frac{2}{5} \mid \frac{0}{11}$ 1 0.29	$\frac{6}{1} \mid \frac{1}{10}$ 0.91 0.86	$\frac{7}{0} \mid \frac{2}{9}$ 0.82 0.78 1	$\frac{2}{5} \mid \frac{0}{11}$ 1 0.29	$\frac{4}{3} \mid \frac{0}{11}$ 1 0.57	$\frac{4}{3} \mid \frac{2}{9}$ 0.82 0.67 0.57	$\frac{5}{2} \mid \frac{2}{9}$ 0.82 0.71 0.71

BLCA  
 id: 1378 name: Bleomycin (50 uM)  
 target: DNA damage class: DNA replication

18 cell lines  
 6 sensitive

Urogenital system 6/18

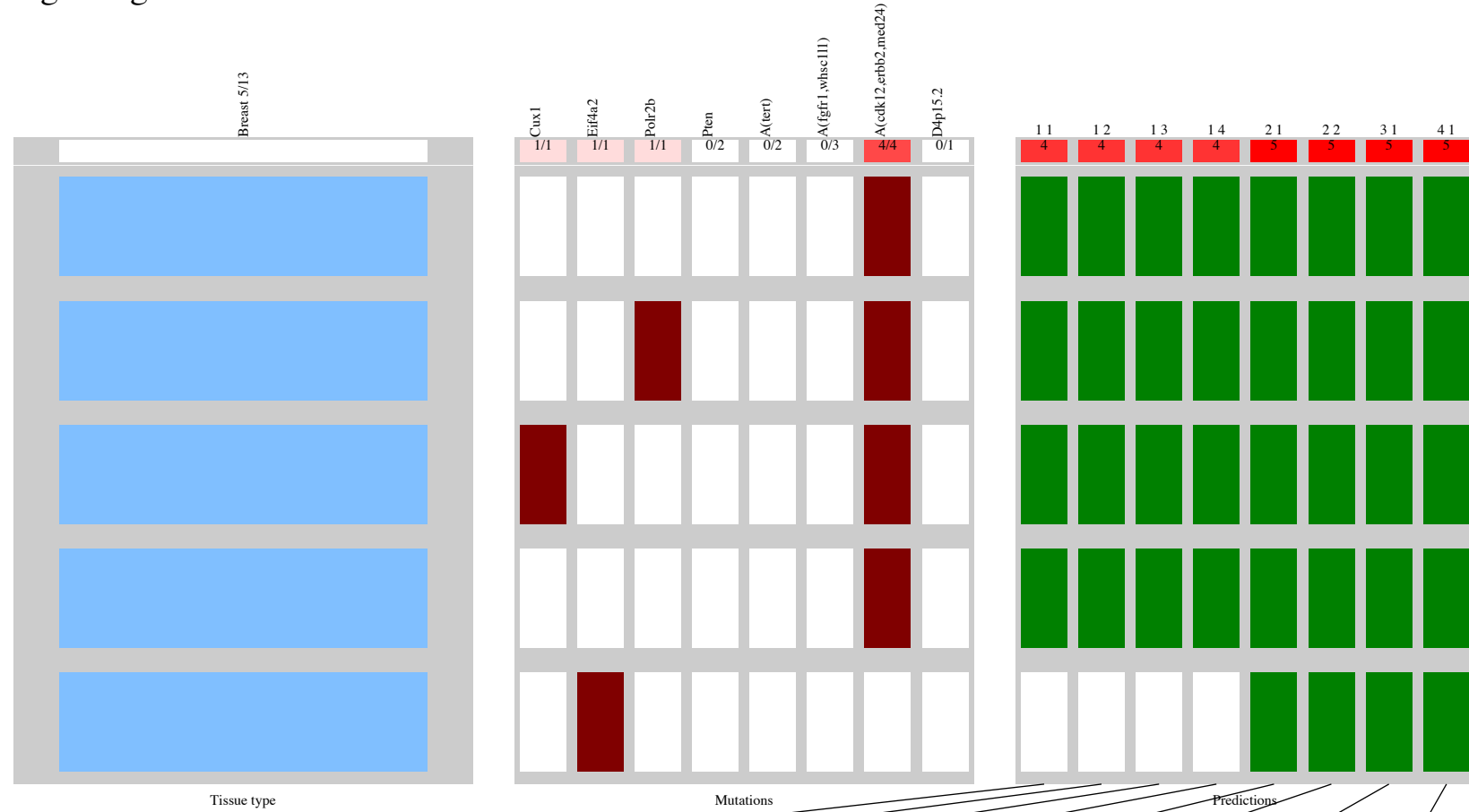
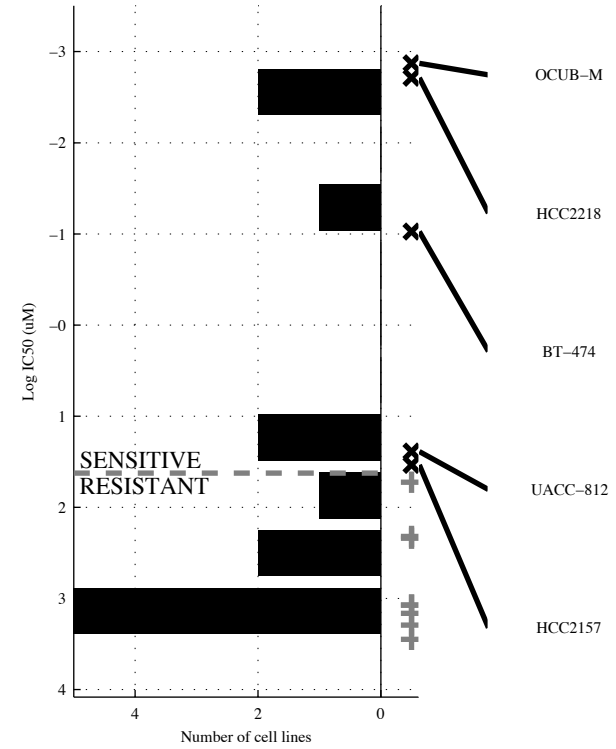


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>MAPK P</b>	<b>MAPK I &amp;</b>	<b>MAPK I &amp; &amp;</b>	<b>~AHNAI &amp; CDKN1 &amp;</b> <b>TP53 &amp; a(MYC)</b>	<b>MLL2   MAPK P</b>	<b>[ TP53 &amp; MAPK P ]</b> <b> </b> <b>~CDKN1 &amp; MLL2 ]</b>	<b>MLL2   a3p25.  </b> <b>MAPK P</b>	<b>CDKN2A   IREB2  </b> <b>a3p25.   MAPK P</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{3}{3} \mid \frac{0}{12}$ 1 1	$\frac{3}{3} \mid \frac{0}{12}$ 1 0.5	$\frac{3}{3} \mid \frac{0}{12}$ 1 0.5	$\frac{5}{1} \mid \frac{2}{10}$ 0.83 0.71 0.83	$\frac{5}{1} \mid \frac{0}{12}$ 1 0.83	$\frac{5}{1} \mid \frac{0}{12}$ 1 0.83	$\frac{6}{0} \mid \frac{0}{12}$ 1 1	$\frac{6}{0} \mid \frac{0}{12}$ 1 1



BRCA  
 id: 119 name: Lapatinib  
 target: ERBB2, EGFR class: EGFR signaling

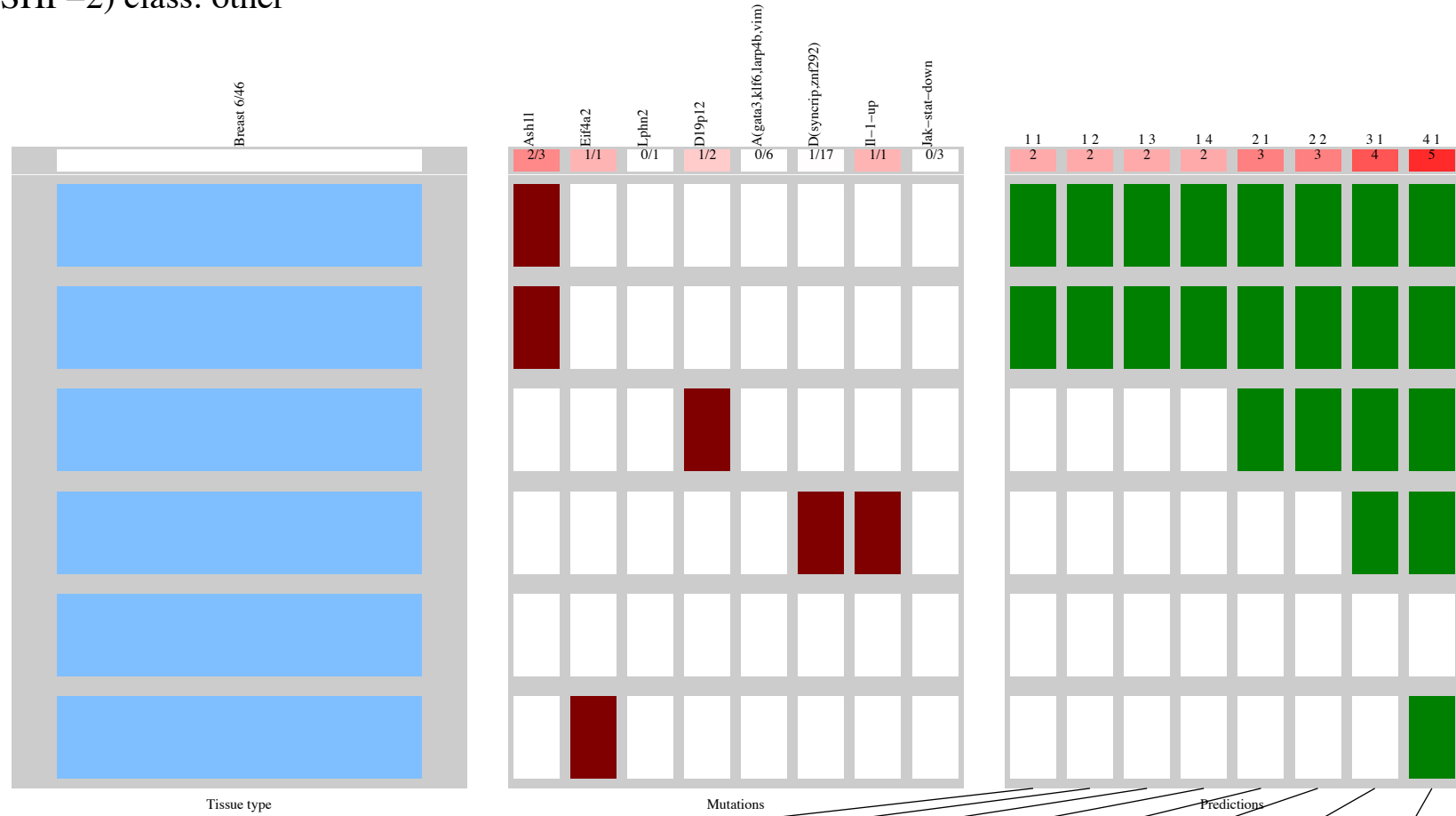
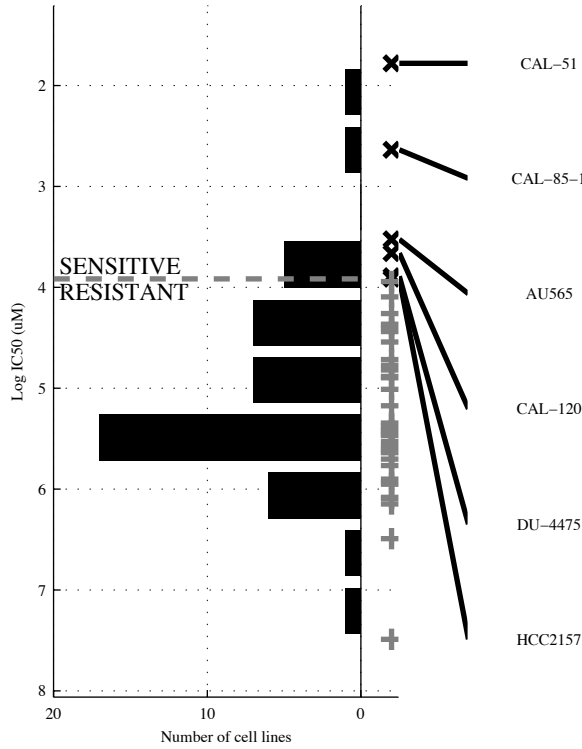
13 cell lines  
 5 sensitive



Model name	11		12		13		14		21		22		31		41	
K	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
M																
Logic formula	<b>a(CDK1)</b>		<b>a(CDK1&amp;</b>		<b>~PTEN&amp;a(CDK1&amp;</b>		<b>~PTEN&amp;a(FGFR&amp;</b>		<b>EIF4A2   a(CDK1</b>		<b>[ EIF4A2&amp;a(TERT)</b>		<b>EIF4A2   a(CDK1  </b>		<b>CUX1   EIF4A2  </b>	
TP	4	0	4	0	4	0	4	0	5	0	5	0	5	0	5	0
FP	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1
FN	1	8	1	8	1	8	1	8	0	8	0	8	0	8	0	8
TN																
Specificity																
Precision																
Recall		0.8		0.8		0.8		0.8		1		1		1		1

BRCA  
 id: 147 name: NSC-87877  
 target: PTPN6 (SHP-1), PTPN11 (SHP-2) class: other

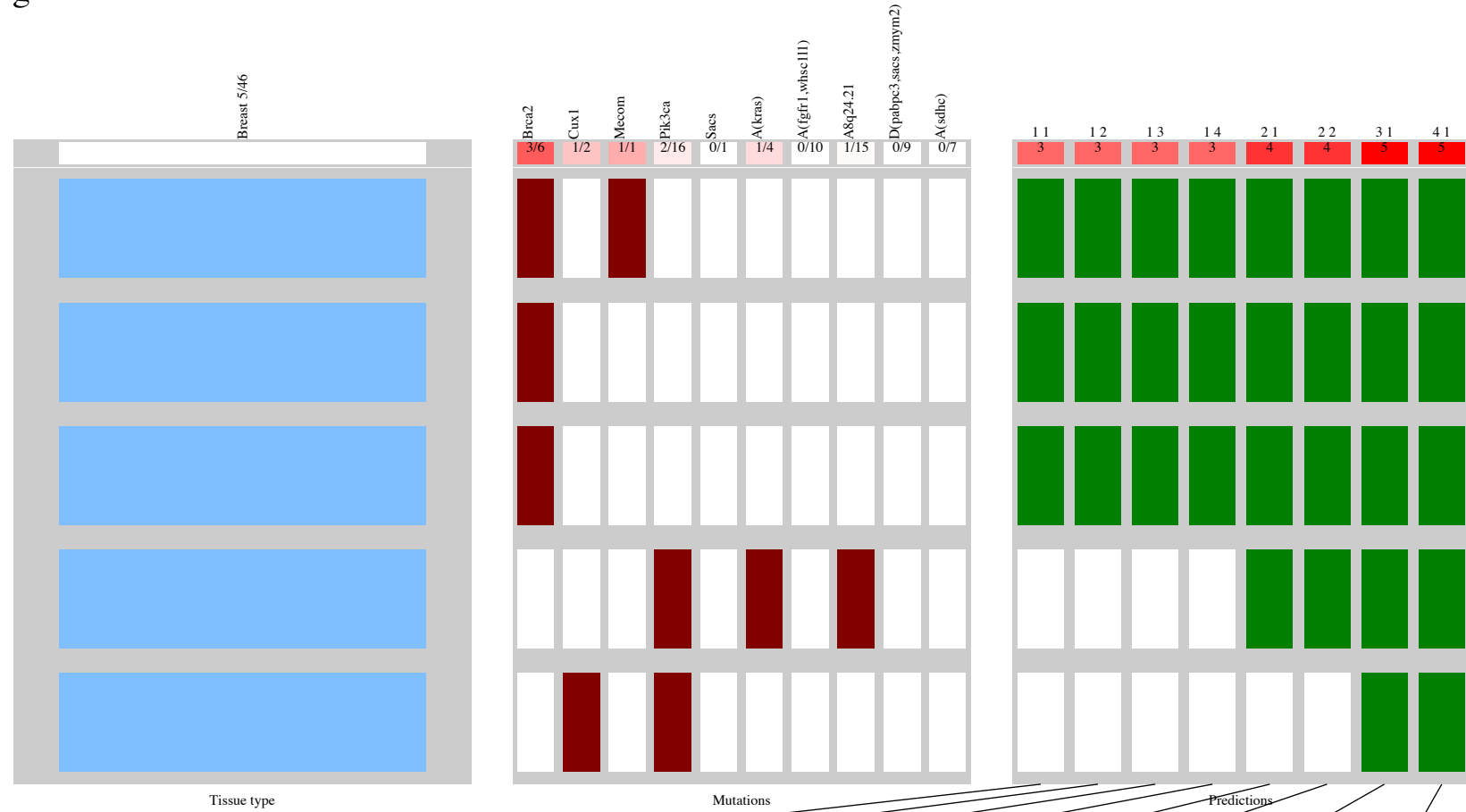
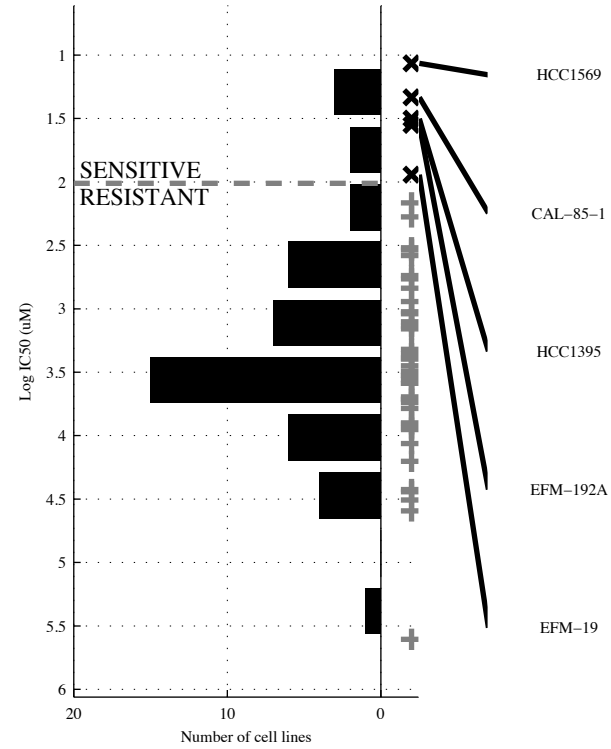
46 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>ASH1L</b>	<b>ASH1L &amp; LPHN2</b>	<b>ASH1L &amp; a(GAT&amp;</b>	<b>ASH1L &amp; a(GAT&amp;</b>	<b>ASH1L   d19p12</b>	<b>[ d19p12 &amp; d(SYNC]</b>   <b>[ ASH1L &amp; JAK-ST]</b>	<b>ASH1L   d19p12  </b> <b>IL-1-U</b>	<b>ASH1L   EIF4A2  </b> <b>d19p12   IL-1-U</b>
TP   FP	2   1	2   0	2   0	2   0	3   2	3   0	4   2	5   2
Specificity	0.97	1	1	1	0.95	1	0.95	0.95
FN   TN	4   39	4   40	4   40	4   40	3   38	3   40	2   38	1   38
Precision	0.67	1	1	1	0.6	1	0.67	0.71
Recall	0.33	0.33	0.33	0.33	0.5	0.5	0.67	0.83

BRCA  
 id: 154 name: CHIR-99021  
 target: GSK3B class: WNT signaling

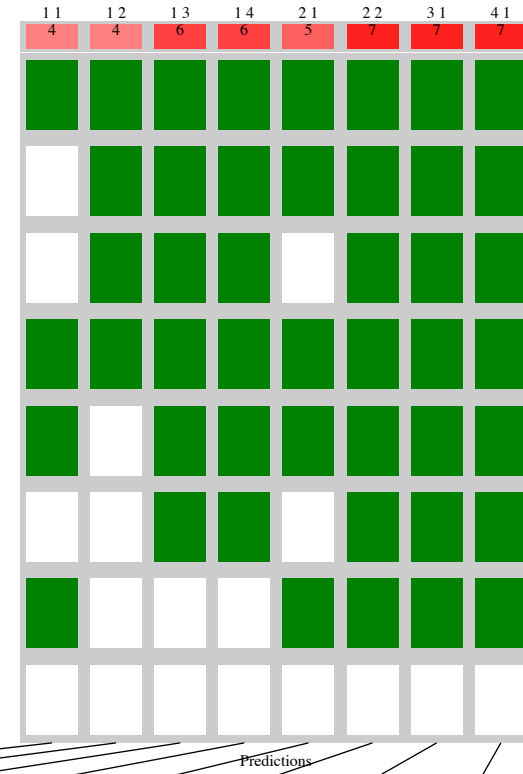
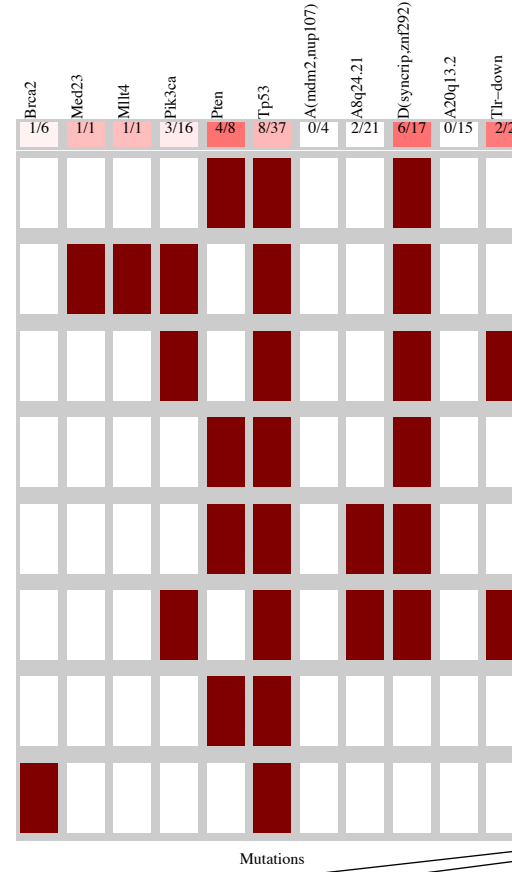
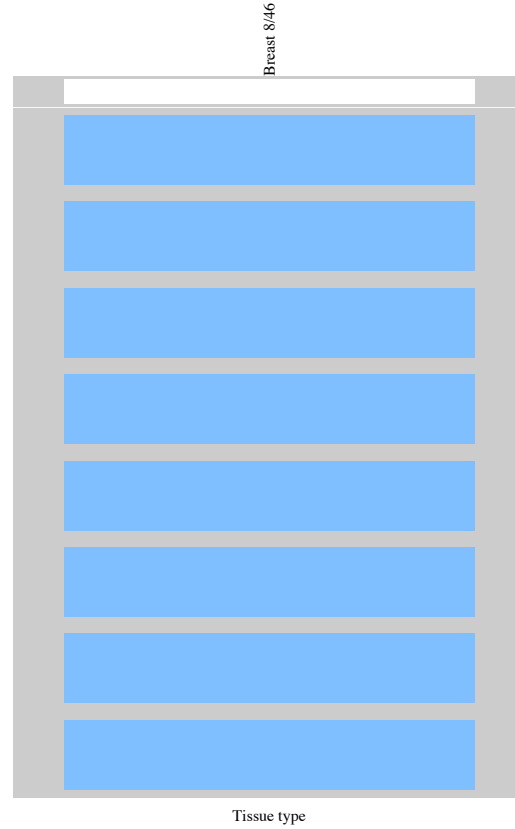
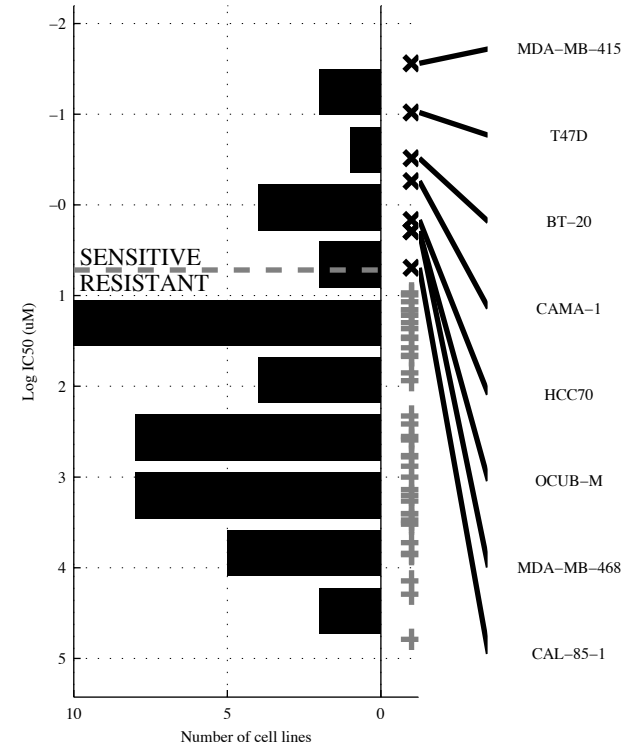
46 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>BRCA2</b>	<b>BRCA2 &amp; PIK3CA</b>	<b>BRCA2 &amp; PIK3CA &amp; -a8q24.</b>	<b>BRCA2 &amp; -SACS &amp; -a(FGFR &amp; d(PABP</b>	<b>BRCA2   a(KRAS</b>	<b>[ a(KRAS &amp; a(SDHC)   [ BRCA2 &amp; PIK3CA ]</b>	<b>BRCA2   CUX1   a(KRAS</b>	<b>BRCA2   CUX1   MECOM   a(KRAS</b>
TP   FP Specificity	3   3 0.93	3   1 0.98	3   0 1	3   0 1	4   6 0.85	4   2 0.95	5   6 0.85	5   6 0.85
FN   TN Precision	2   38 0.5	2   40 0.75	2   41 1	2   41 1	1   35 0.4	1   39 0.67	0   35 0.45	0   35 0.45
Recall	0.6	0.6	0.6	0.6	0.8	0.8	1	1

BRCAs  
 id: 156 name: AZD6482  
 target: PI3Kbeta class: PI3K signaling

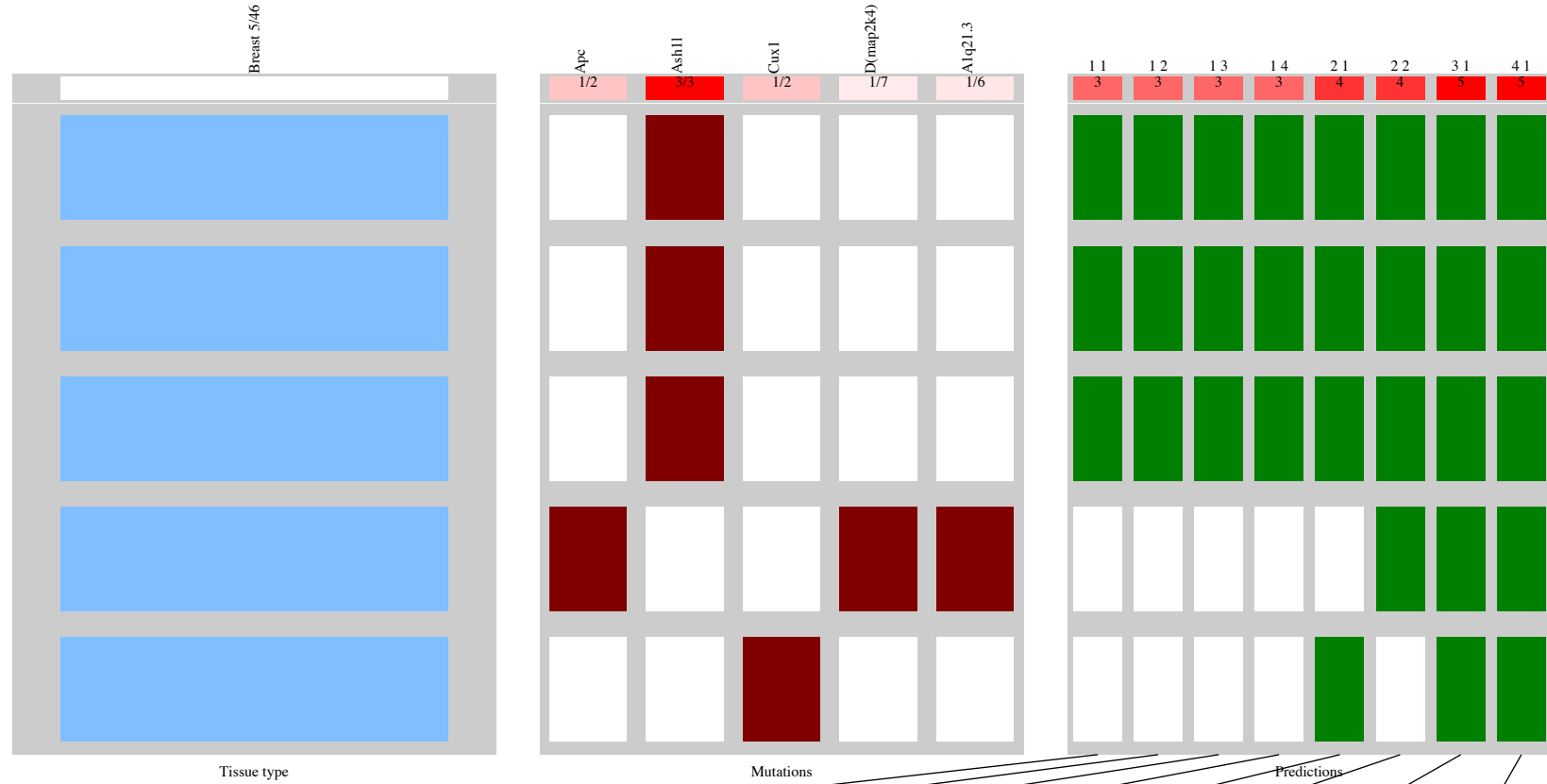
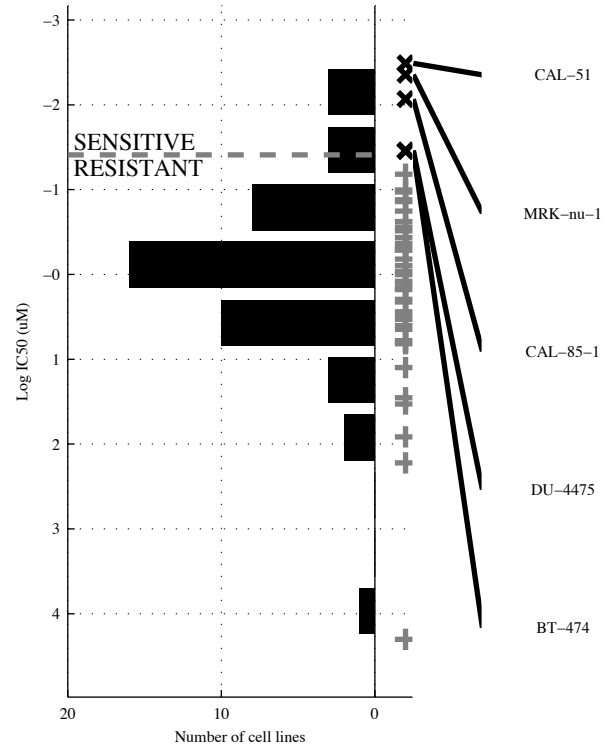
46 cell lines  
 8 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>PTEN</b>	<b>~a8q24.&amp;d(SYNC</b>	<b>TP53 &amp;d(SYNC&amp;</b>	<b>TP53 &amp;a(MDM&amp;</b>	<b>MED23   PTEN</b>	<b>[PIK3CA&amp;d(SYNC]</b>   <b>[~BRCA&amp; PTEN ]</b>	<b>MLLT4   PTEN  </b>  <b>TLR-DO</b>	<b>MLLT4   PTEN  </b>  <b>TLR-DO</b>
TP   FP Specificity	4   4 0.89	4   5 0.87	6   6 0.84	6   4 0.89	5   4 0.89	7   4 0.89	7   4 0.89	7   4 0.89
FN   TN Precision	4   34 0.5	4   33 0.44	2   32 0.5	2   34 0.6	3   34 0.56	1   34 0.64	1   34 0.64	1   34 0.64
Recall	4   34 0.5	4   33 0.5	2   32 0.75	2   34 0.75	3   34 0.63	1   34 0.88	1   34 0.88	1   34 0.88

BRCA  
 id: 170 name: Shikonin  
 target: unknown class: other

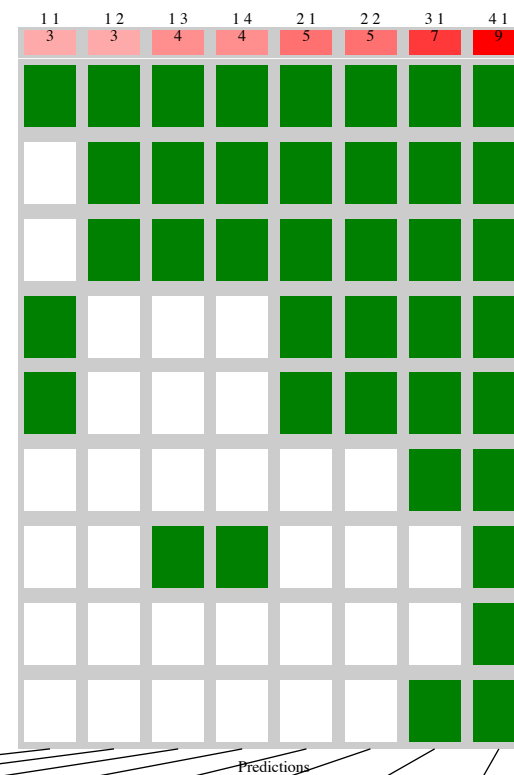
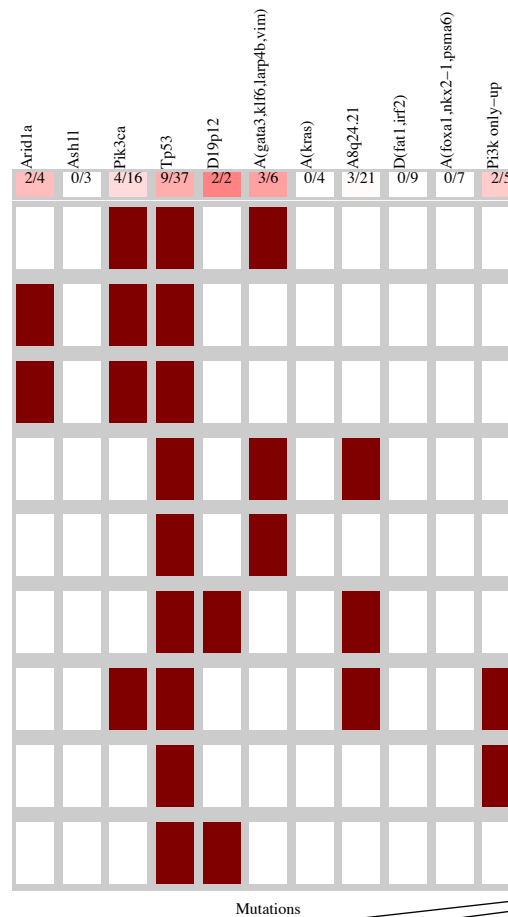
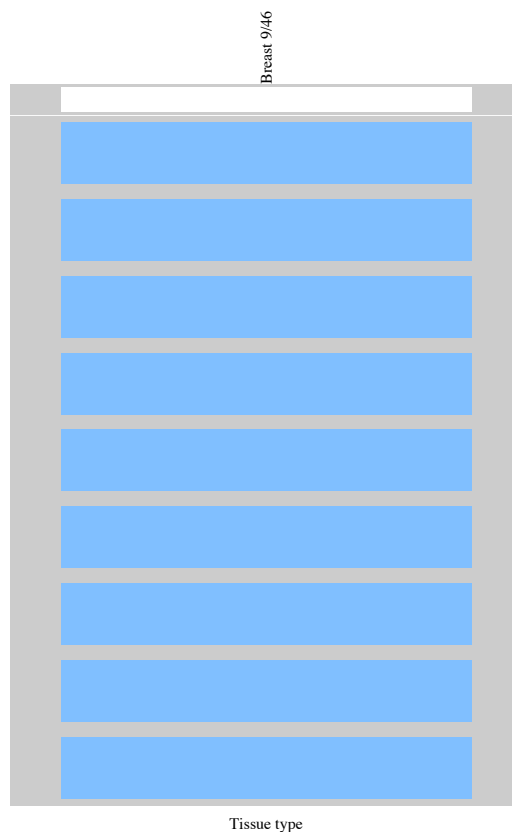
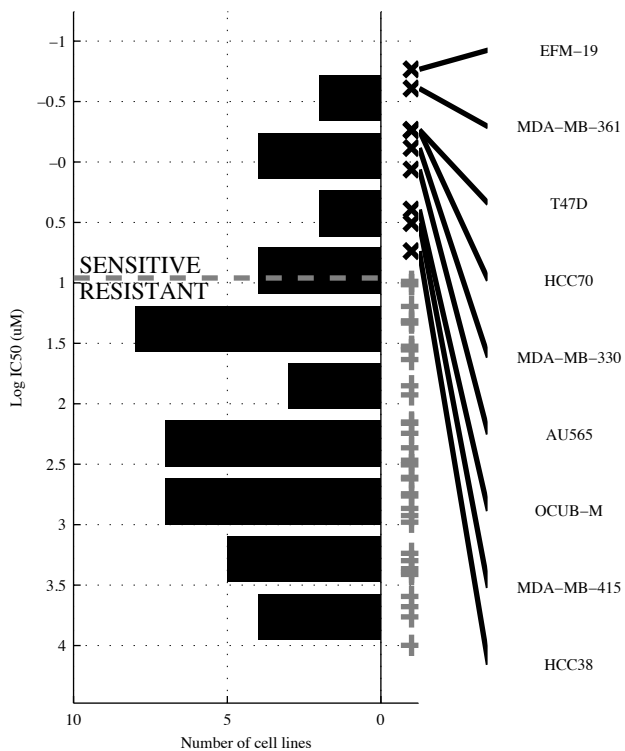
46 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>ASH1L</b>	<b>ASH1L &amp;</b>	<b>ASH1L &amp; &amp;</b>	<b>ASH1L &amp; &amp;</b>	<b>ASH1L   CUX1</b>	<b>[ ASH1L &amp; ]</b> <b> </b> <b>[ d(MAP2&amp; a1q21. ) ]</b>	<b>APC   ASH1L  </b> <b>CUX1</b>	<b>APC   ASH1L  </b> <b>CUX1  </b>
TP   FP Specificity FN   TN Precision Recall	$\frac{3}{2} \mid \frac{0}{41}$ 1 0.6	$\frac{3}{2} \mid \frac{0}{41}$ 1 0.6	$\frac{3}{2} \mid \frac{0}{41}$ 1 0.6	$\frac{3}{2} \mid \frac{0}{41}$ 1 0.6	$\frac{4}{1} \mid \frac{1}{40}$ 0.98 0.8 0.8	$\frac{4}{1} \mid \frac{0}{41}$ 1 0.8	$\frac{5}{0} \mid \frac{2}{39}$ 0.95 0.71 1	$\frac{5}{0} \mid \frac{2}{39}$ 0.95 0.71 1

BRCA  
 id: 171 name: AKT inhibitor VIII  
 target: AKT1, AKT2, AKT3 class: PI3K signaling

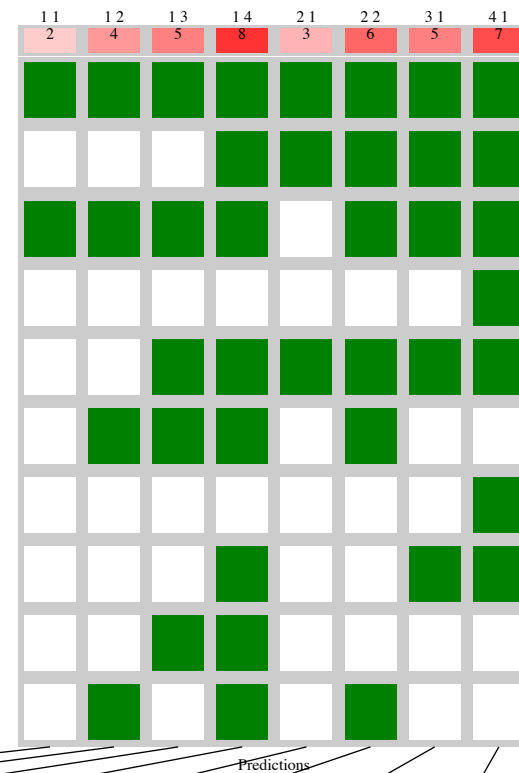
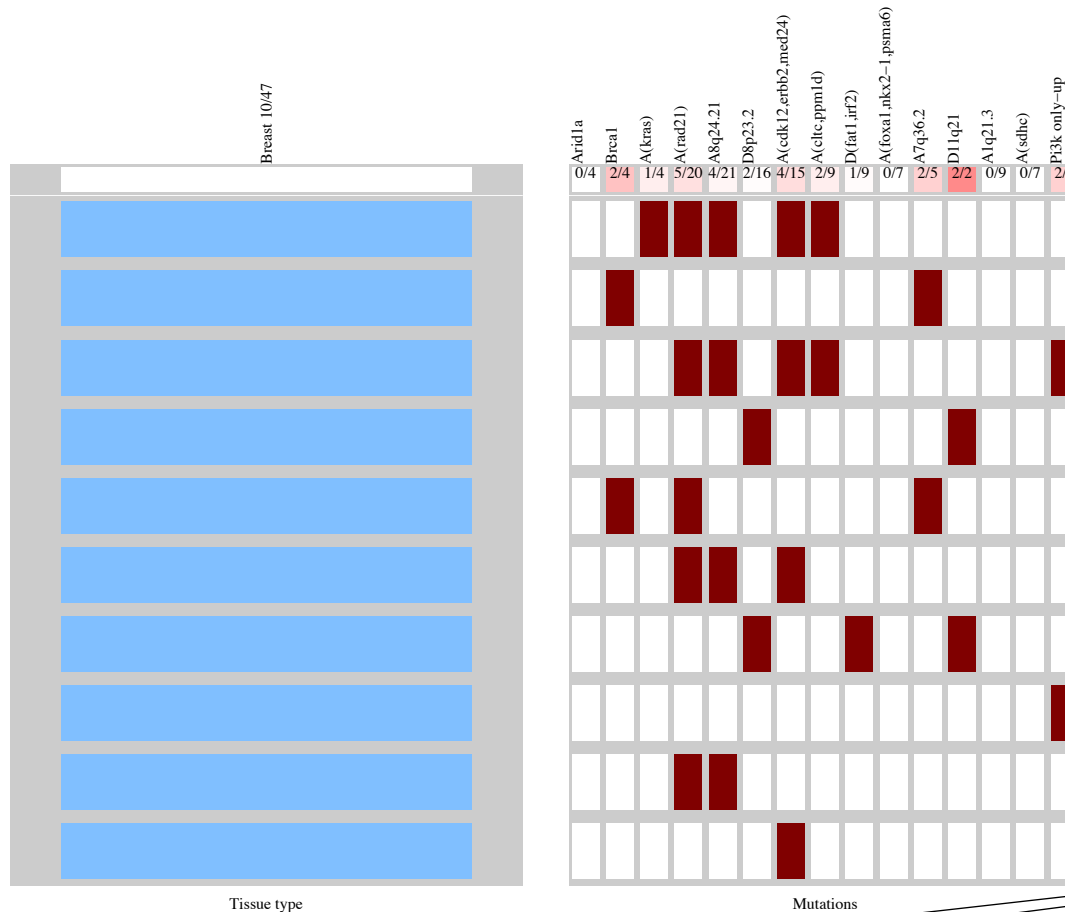
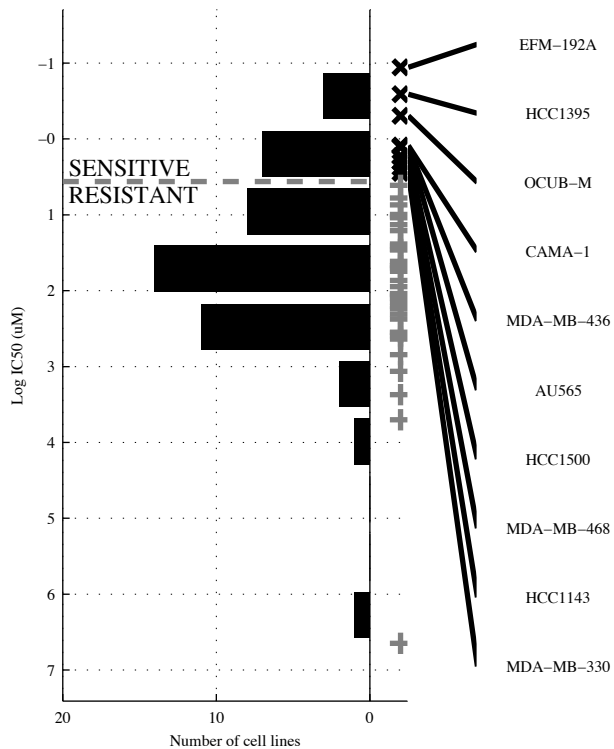
46 cell lines  
 9 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a(GATA)</b>	<b>PIK3CA &amp; ¬a8q24.</b>	<b>PIK3CA &amp; ¬d(FAT &amp; ¬a(FOXA)</b>	<b>PIK3CA &amp; a(KRAS &amp; ¬d(FAT &amp; a(FOXA)</b>	<b>ARID1A   a(GATA)</b>	<b>[ TP53 &amp; a(GATA)   a(GATA)</b>	<b>ARID1A   d19p12   a(GATA)</b>	<b>ARID1A   d19p12   a(GATA   PI3K o</b>
TP   FP Specificity	3   3 0.92	3   6 0.84	4   4 0.89	4   3 0.92	5   4 0.89	5   1 0.97	7   4 0.89	9   6 0.84
FN   TN Precision	6   34 0.5	6   31 0.33	5   33 0.5	5   34 0.57	4   33 0.56	4   36 0.83	2   33 0.64	0   31 0.6
Recall	0.33	0.33	0.44	0.44	0.56	0.56	0.78	1

BRCA  
 id: 173 name: FH535  
 target: unknown class: other

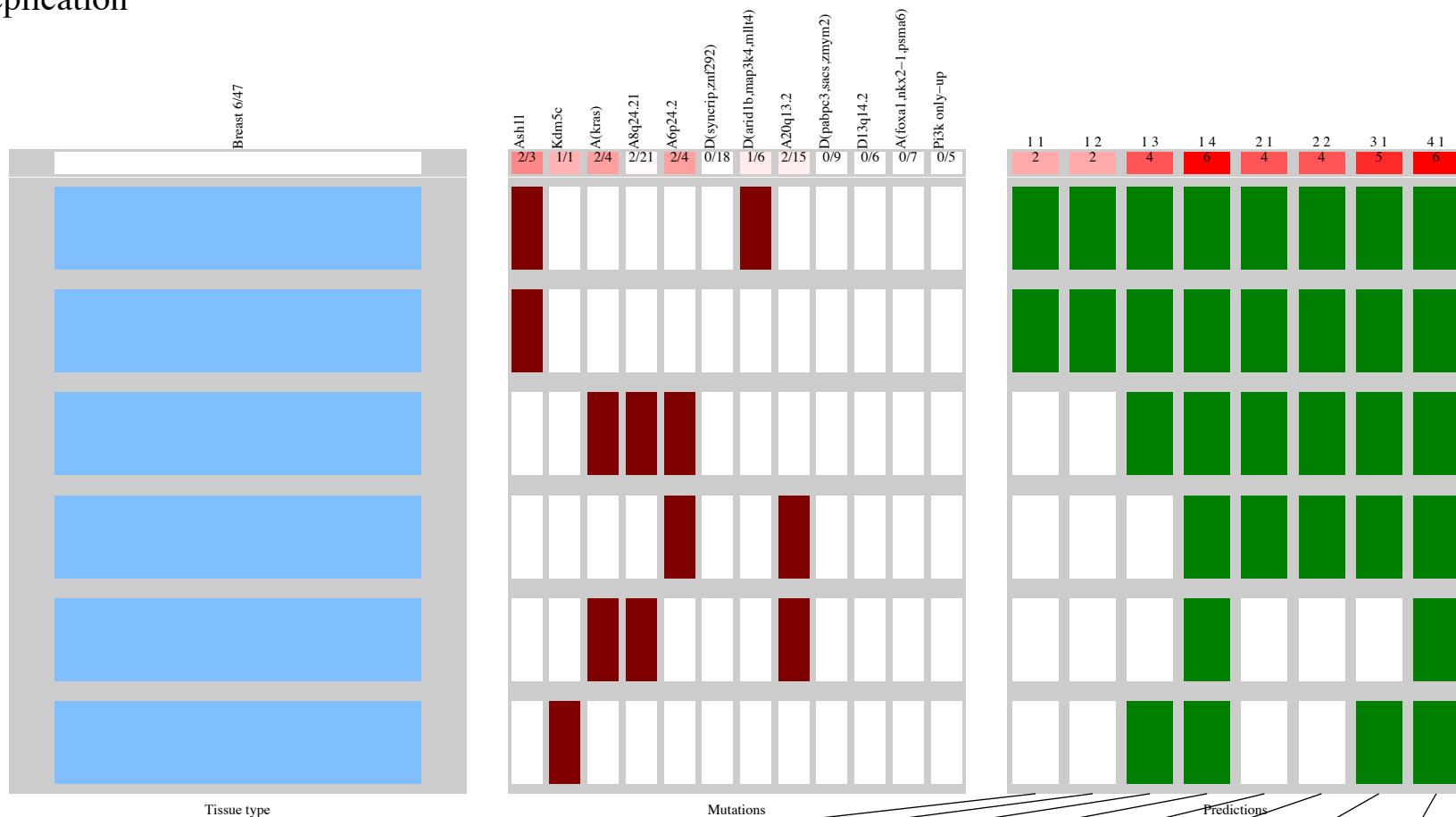
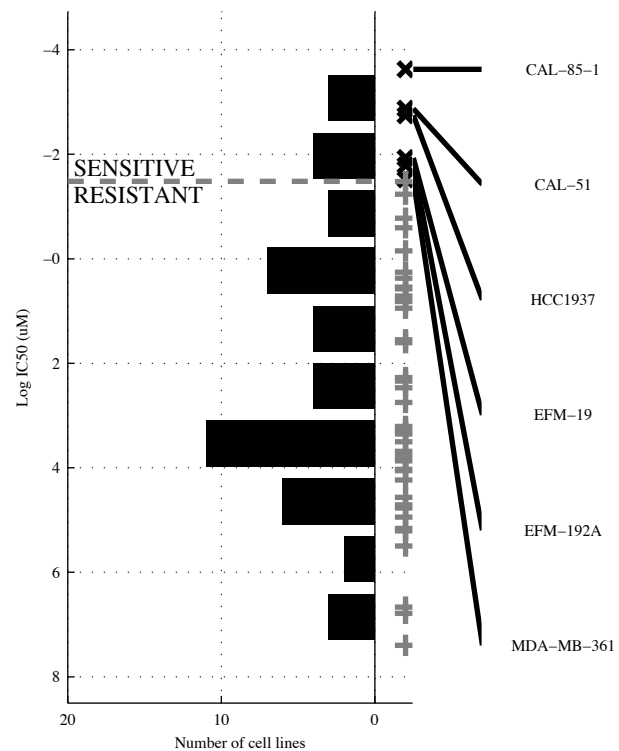
47 cell lines  
 10 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>a(CLTC)</b>	<b>a(CDK1&amp;a(FOXA)</b>	<b>a(RAD2&amp;-d8p23&amp;-a(SDHC)</b>	<b>-a(ARID1&amp;-d8p23&amp;-d(FAT&amp;-a1q21.</b>	<b>BRCA1   a(KRAS)</b>	<b>[ -a8q24. &amp; a7q36. ]   [ a(CDK1&amp;a(FOXA)</b>	<b>BRCA1   a(KRAS   PI3K o</b>	<b>BRCA1   a(KRAS   d11q21   PI3K o</b>
TP   FP Specificity	2   7 0.81	4   6 0.84	5   6 0.84	8   7 0.81	3   4 0.89	6   6 0.84	5   6 0.84	7   6 0.84
FN   TN Precision	8   30 0.22	6   31 0.4	5   31 0.45	2   30 0.53	7   33 0.43	4   31 0.5	5   31 0.45	3   31 0.54
Recall	0.2	0.4	0.5	0.8	0.3	0.6	0.5	0.7

BRCA  
 id: 190 name: Bleomycin  
 target: DNA damage class: DNA replication

47 cell lines  
 6 sensitive

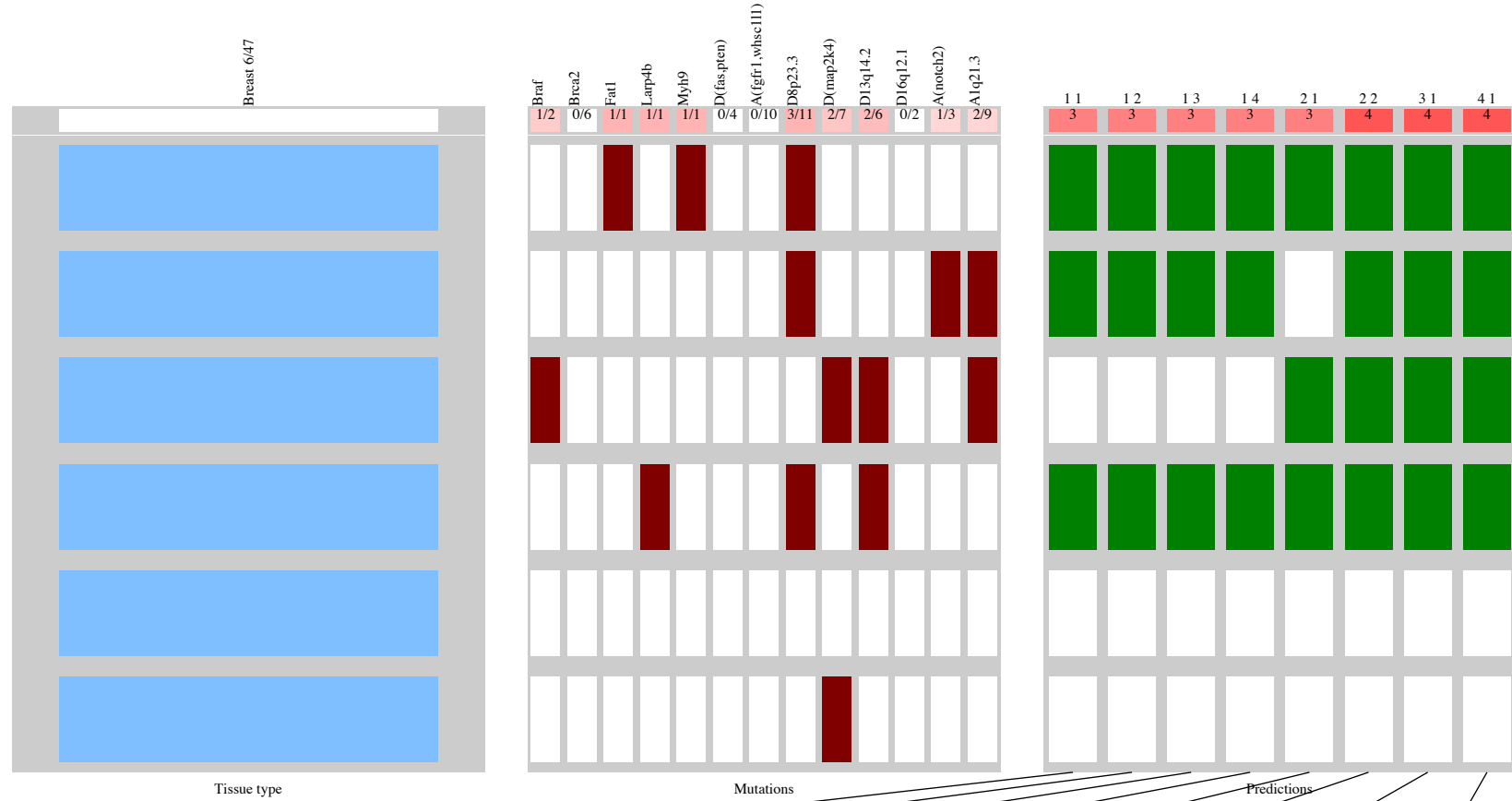
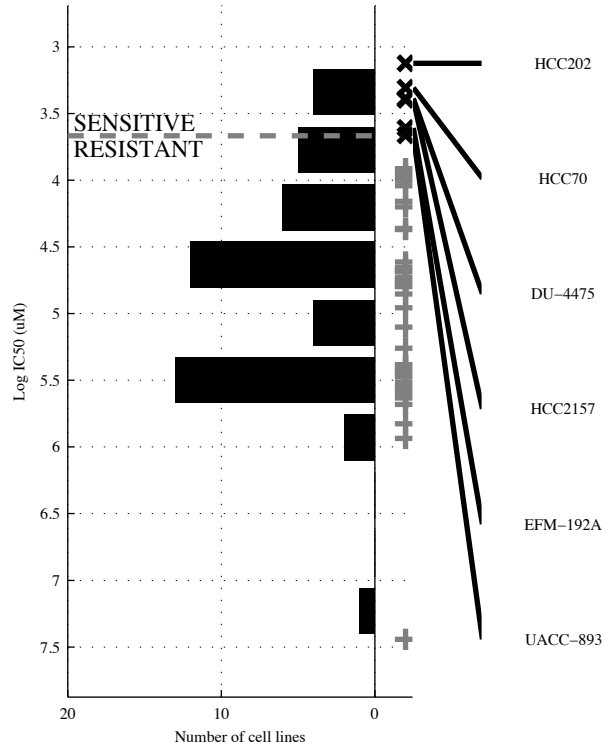


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>ASH1L</b>	<b>ASH1L &amp; !PI3K o</b>	<b>!d(SYNC &amp; !a20q13 &amp; !d13q14</b>	<b>!d(SYNC &amp; !d(PABE &amp; !d13q14 &amp; a(FOXA</b>	<b>ASH1L   a6p24.</b>	<b>[ ASH1L &amp; !a8q24. ]   [ a6p24. &amp; !d(ARID]</b>	<b>ASH1L   KDM5C   a6p24.</b>	<b>ASH1L   KDM5C   a(KRAS   a6p24.</b>
TP   FP	2   1	2   0	4   8	6   8	4   3	4   0	5   3	6   5
Specificity	0.98	1	0.8	0.8	0.93	1	0.93	0.88
FN   TN	4   40	4   41	2   33	0   33	2   38	2   41	1   38	0   36
Precision	0.67	1	0.33	0.43	0.57	1	0.63	0.55
Recall	0.33	0.33	0.67	1	0.67	0.67	0.83	1



BRCA  
 id: 192 name: LFM-A13  
 target: BTK class: other

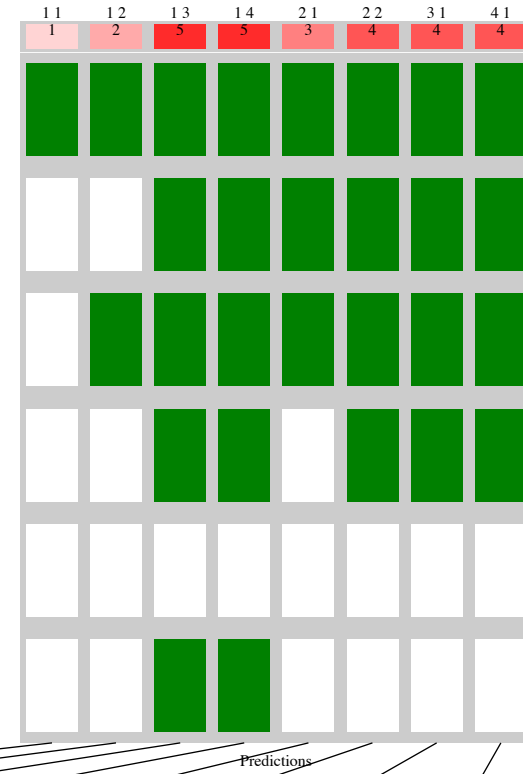
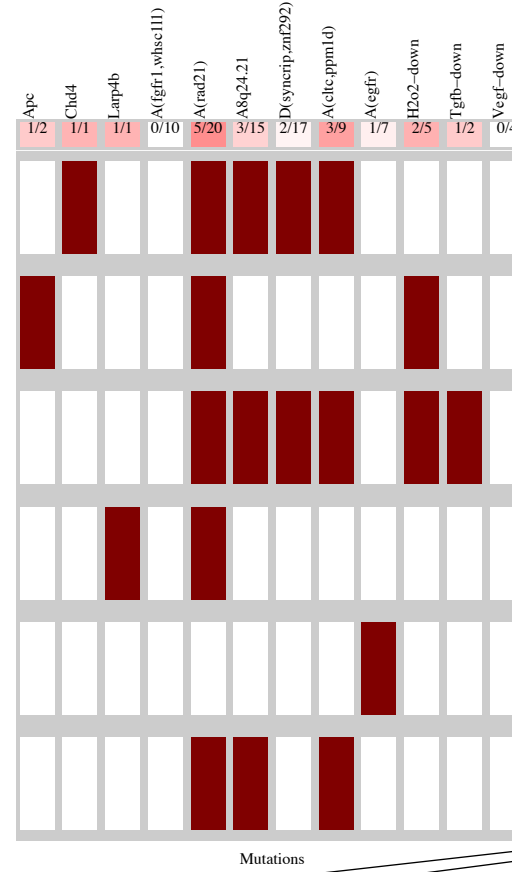
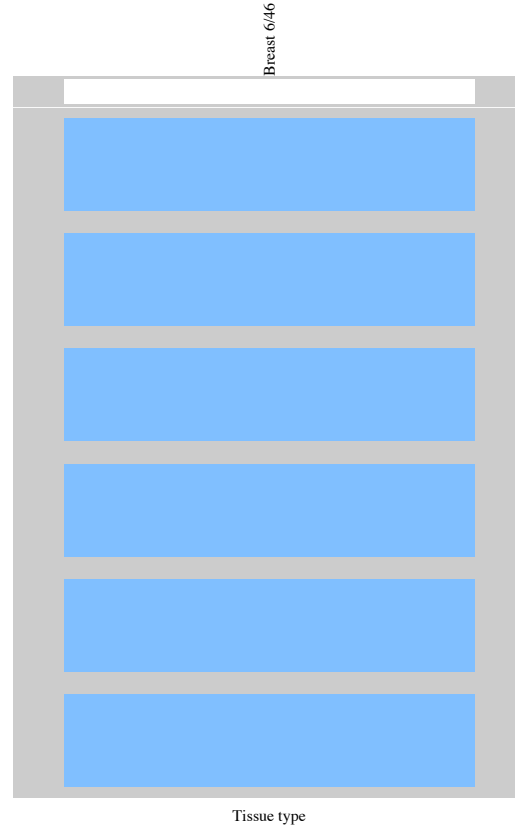
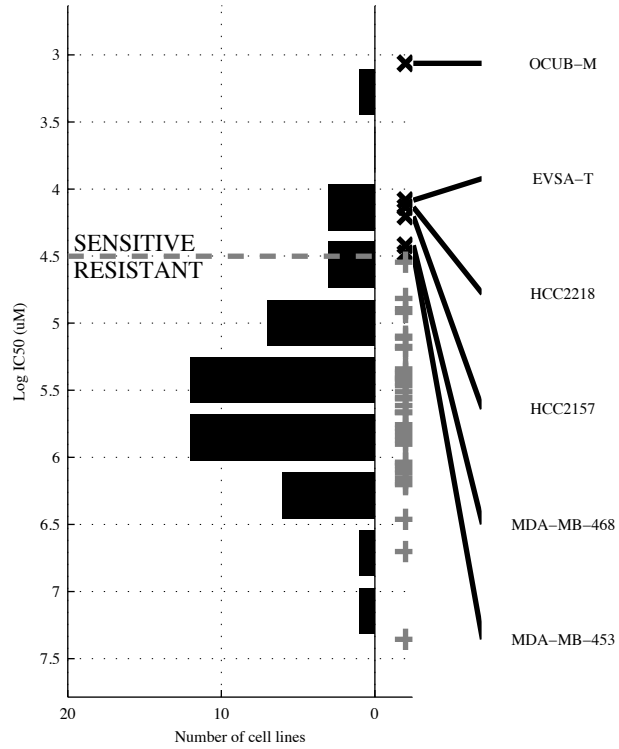
47 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d8p23.</b>	<b>d8p23. &amp; d(MAP2</b>	<b>¬d(FAS &amp; a(FGFR &amp;</b> <b>d8p23.</b>	<b>¬BRCA &amp; ¬d(FAS &amp;</b> <b>d8p23. &amp; ¬d16q12</b>	<b>MYH9   d13q14</b>	<b>[ d8p23. &amp; d(MAP2</b> <b> </b> <b>[ BRAF &amp; a1q21. ]</b>	<b>FAT1   d13q14  </b> <b>a(NOTC</b>	<b>BRAF   LARP4B  </b> <b>MYH9   a(NOTC</b>
TP   FP Specificity	3   8 0.8	3   4 0.9	3   3 0.93	3   1 0.98	3   4 0.9	4   4 0.9	4   6 0.85	4   3 0.93
FN   TN Precision	3   33 0.27	3   37 0.43	3   38 0.5	3   40 0.75	3   37 0.43	2   37 0.5	2   35 0.4	2   38 0.57
Recall	0.5	0.5	0.5	0.5	0.5	0.67	0.67	0.67

BRCA  
 id: 193 name: GW-2580  
 target: CSF1R (cFMS) class: RTK signaling

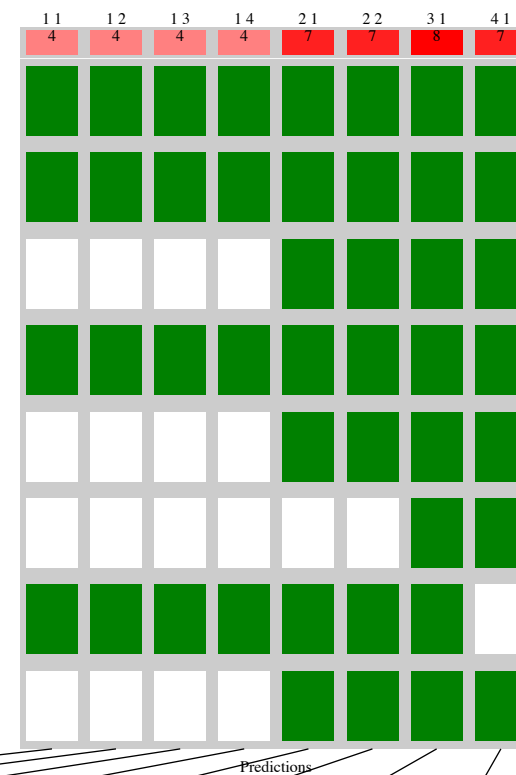
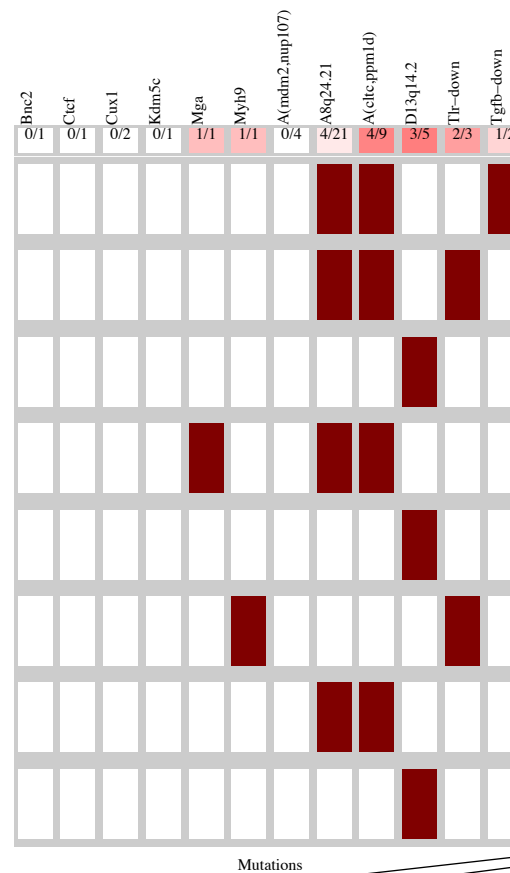
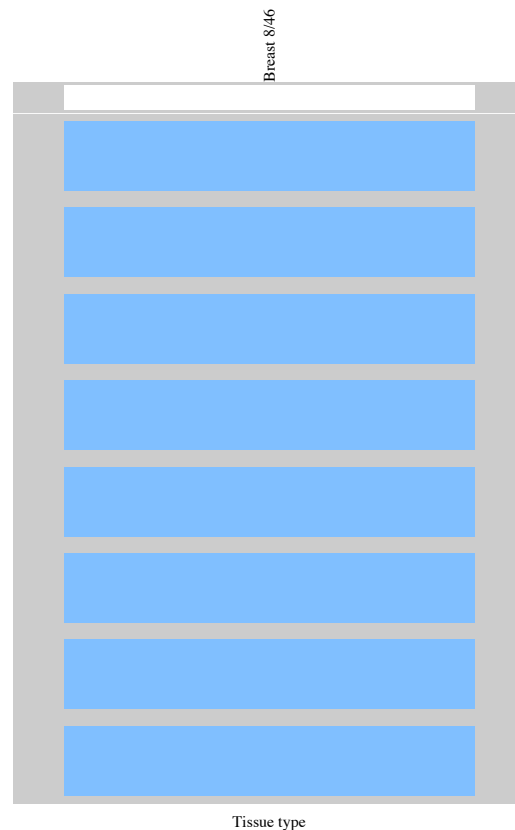
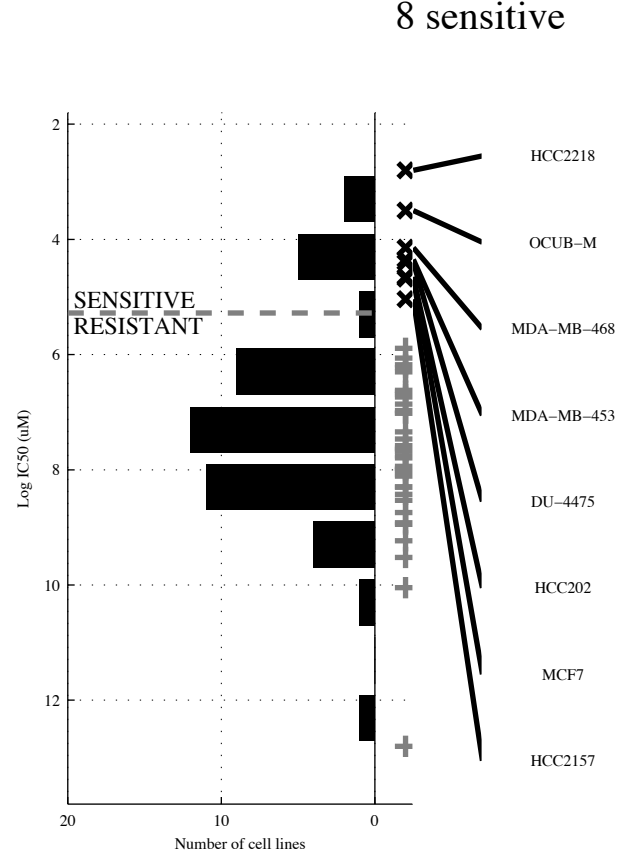
46 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>CHD4</b>	<b>d(SYNC&amp;a(CLTC</b>	<b>¬a(FGFR&amp;a(RAD2&amp;</b> <b>¬a(EGFR</b>	<b>¬a(FGFR&amp;a(RAD2&amp;</b> <b>¬a(EGFR&amp;VEGF-D</b>	<b>CHD4   H2O2-D</b>	<b>[d(SYNC&amp;a(CLTC</b>   <b>[ a(RAD2&amp;¬a8q24.]</b>	<b>CHD4   LARP4B </b> <b>H2O2-D</b>	<b>APC   CHD4  </b> <b>LARP4B TGFB-D</b>
TP   FP Specificity	1   0 1	2   1 0.97	5   6 0.85	5   4 0.9	3   3 0.93	4   4 0.9	4   3 0.93	4   2 0.95
FN   TN Precision	5   40 1	4   39 0.67	1   34 0.45	1   36 0.56	3   37 0.5	2   36 0.5	2   37 0.57	2   38 0.67
Recall	0.17	0.33	0.83	0.83	0.5	0.67	0.67	0.67

BRCA  
 id: 196 name: Phenformin  
 target: AAPK1 (AMPK) agonist class: metabolism

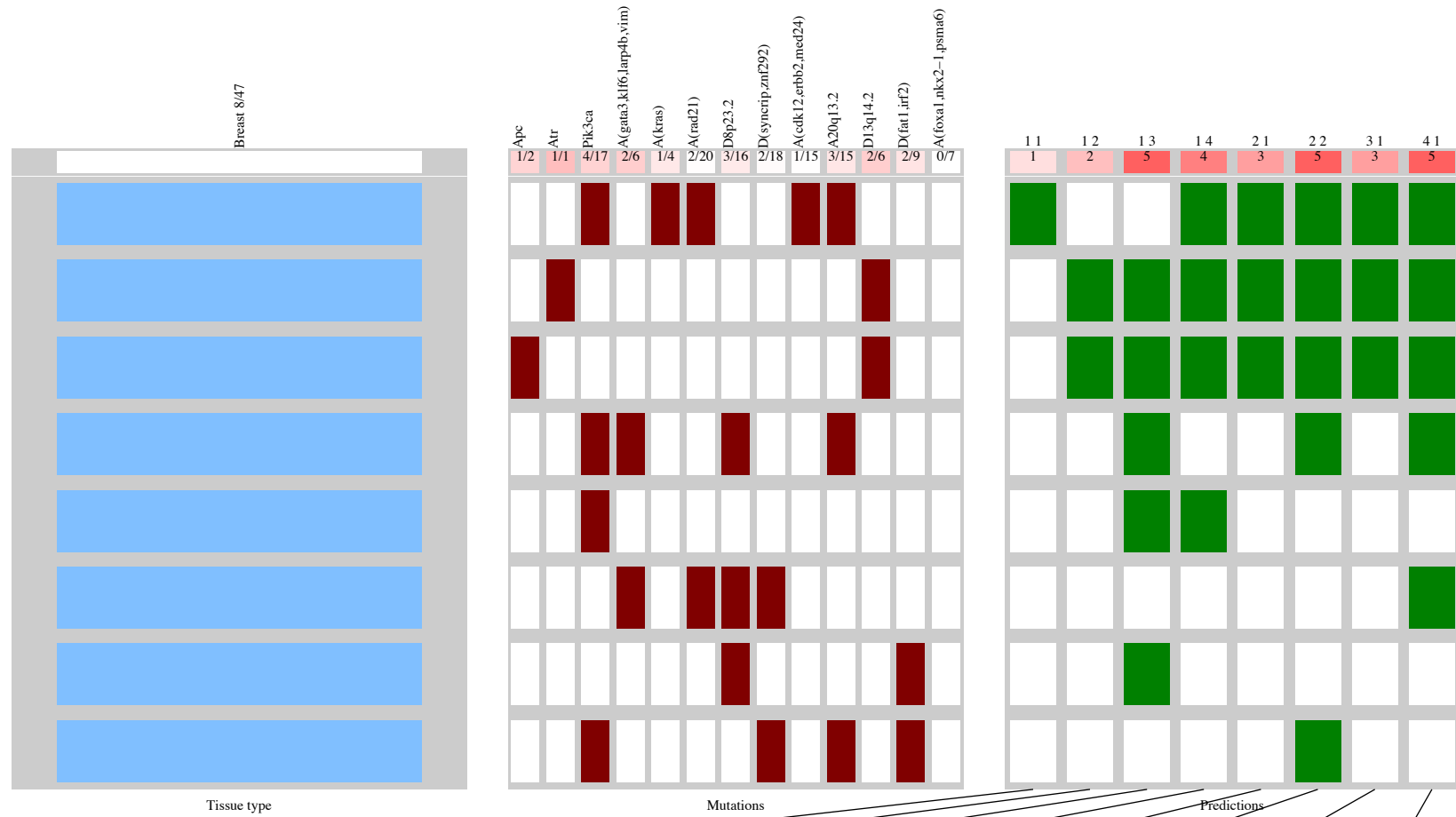
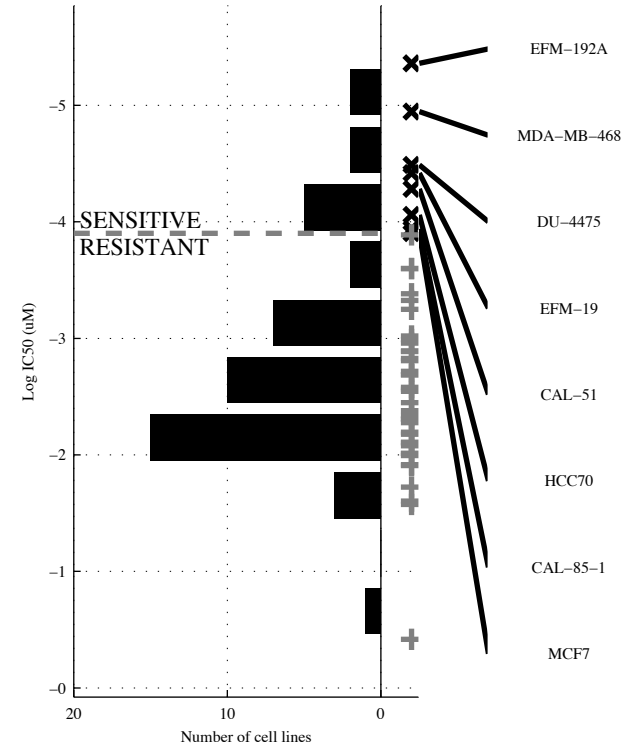
46 cell lines  
 8 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a(CLTC)</b>	<b>a8q24. &amp;a(CLTC</b>	<b>~a(MDM&amp; a8q24. &amp;a(CLTC</b>	<b>~CTCF&amp;~CUX1&amp;~KDM5&amp;a(CLTC</b>	<b>a(CLTC   d13q14</b>	<b>[ ~BNC2&amp;d13q14 ]   [ a8q24. &amp;a(CLTC ]</b>	<b>MYH9   a(CLTC   d13q14</b>	<b>MGA   d13q14   TLR~DOTGFB~D</b>
TP   FP	4   5	4   3	4   2	4   2	7   7	7   4	8   7	7   3
Specificity	0.87	0.92	0.95	0.95	0.82	0.89	0.82	0.92
FN   TN	4   33	4   35	4   36	4   36	1   31	1   34	0   31	1   35
Precision	0.44	0.57	0.67	0.67	0.5	0.64	0.53	0.7
Recall	0.5	0.5	0.5	0.5	0.88	0.88	1	0.88

BRCA  
 id: 197 name: Bryostatin 1  
 target: PRKC class: other

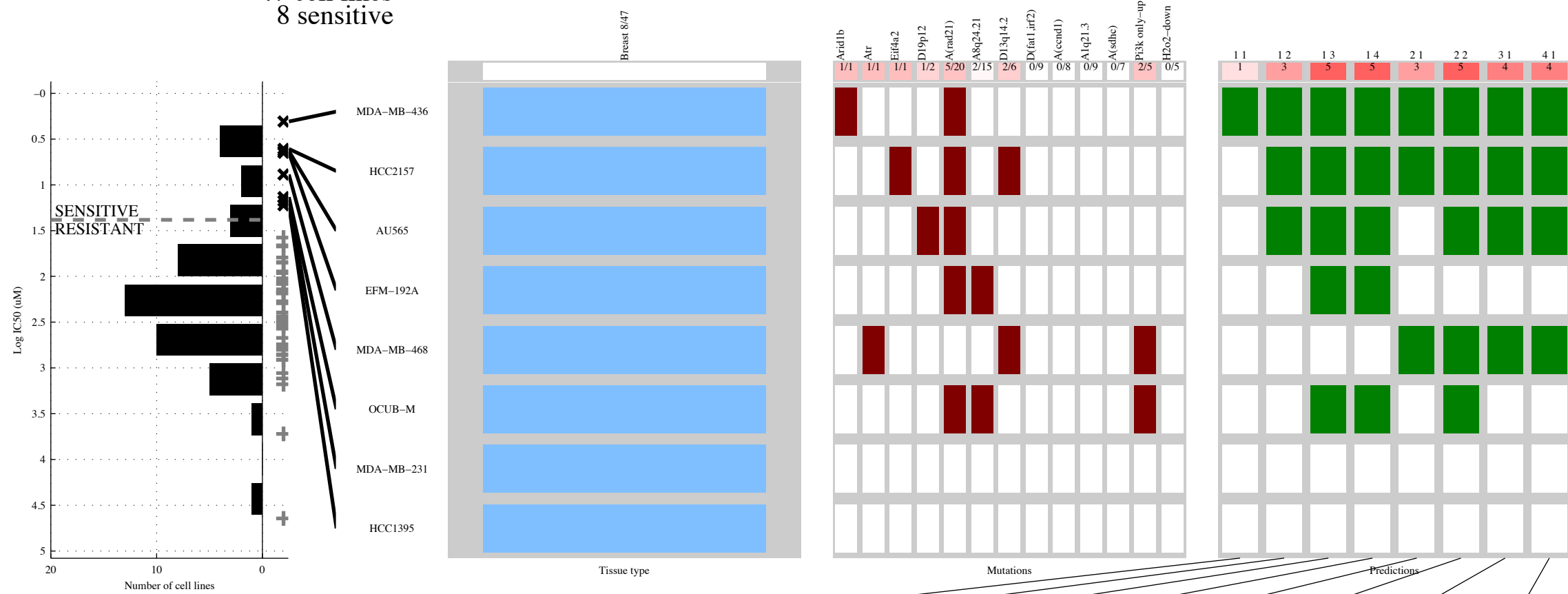
47 cell lines  
 8 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a(KRAS)</b>	<b>¬d8p23.&amp;d13q14</b>	<b>¬a(RAD21)&amp;d(SYNG1)</b>	<b>¬d8p23.&amp;d(SYNG1)</b> <b>¬d(FAT1)&amp;a(FOXA1)</b>	<b>a(KRAS   d13q14)</b>	<b>[PIK3CA &amp; a20q13]</b> <b> </b> <b>[¬d8p23.&amp;d13q14]</b>	<b>APC   ATR  </b> <b>a(KRAS)</b>	<b>APC   ATR  </b> <b>a(GATA1   a(KRAS)</b>
Specificity	$\frac{1}{7}$	$\frac{2}{6}$	$\frac{5}{3}$	$\frac{4}{4}$	$\frac{3}{5}$	$\frac{5}{3}$	$\frac{3}{5}$	$\frac{5}{3}$
Precision	$\frac{3}{36}$	$\frac{0}{39}$	$\frac{4}{35}$	$\frac{7}{32}$	$\frac{7}{32}$	$\frac{3}{36}$	$\frac{4}{35}$	$\frac{7}{32}$
Recall	0.92	1	0.9	0.82	0.82	0.92	0.9	0.82
	0.25	1	0.56	0.36	0.3	0.63	0.43	0.42
	0.13	0.25	0.63	0.5	0.38	0.63	0.38	0.63

BRCA  
 id: 202 name: GSK-1904529A  
 target: IGF1R class: IGFR signaling

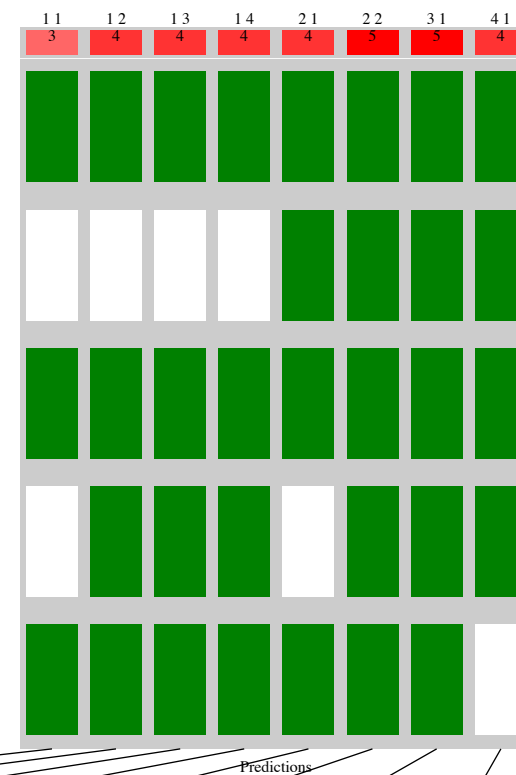
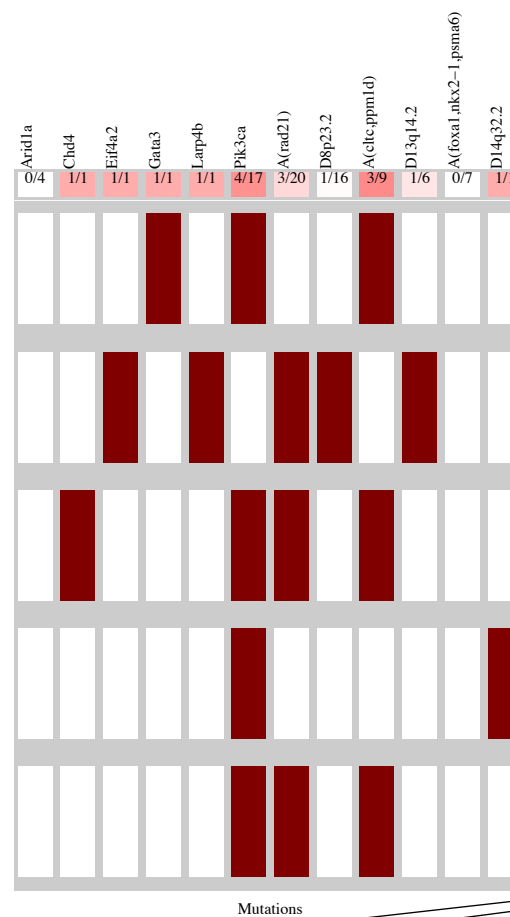
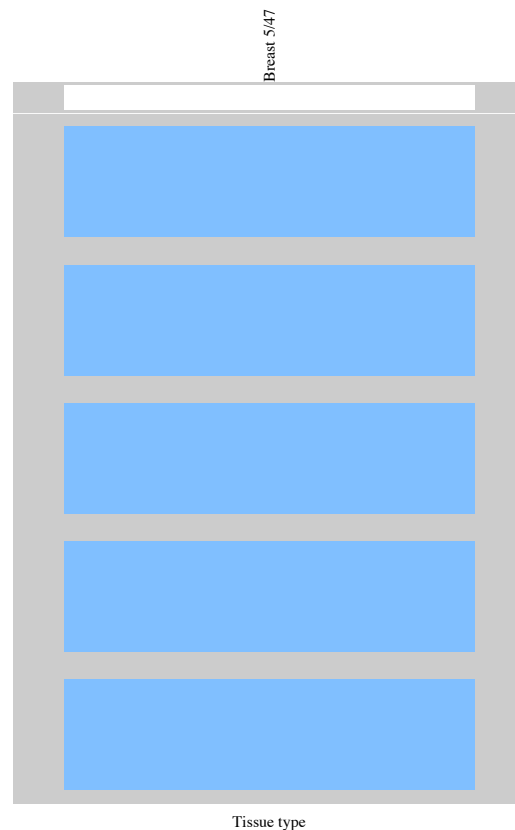
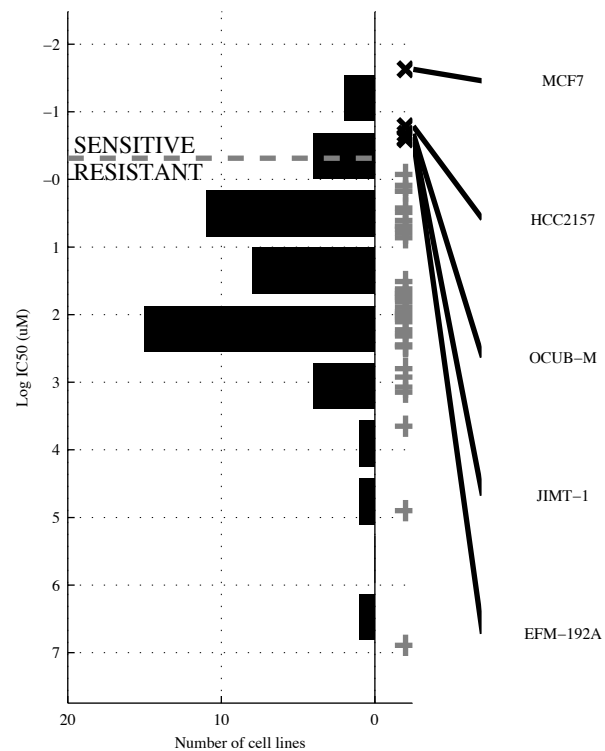
47 cell lines  
 8 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>ARID1B</b>	<b>a(RAD2&amp;-a8q24.</b>	<b>a(RAD2&amp;-d(FAT&amp;</b> <b>-a1q21.</b>	<b>a(RAD2&amp;-d(FAT&amp;</b> <b>-a(SDH&amp;H2O2-D</b>	<b>ARID1B  d13q14</b>	<b>[¬a(CCNI&amp;PI3K o ]</b> <b> </b> <b>[ a(RAD2&amp;-a8q24. ]</b>	<b>ARID1B  d19p12  </b> <b>d13q14</b>	<b>ARID1B  ATR  </b> <b>EIF4A2   d19p12</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{7} \mid \frac{0}{39}$ 1 0.13	$\frac{3}{5} \mid \frac{2}{37}$ 0.95 0.6 0.38	$\frac{5}{3} \mid \frac{6}{33}$ 0.85 0.45 0.63	$\frac{5}{3} \mid \frac{3}{36}$ 0.92 0.63 0.63	$\frac{3}{5} \mid \frac{4}{35}$ 0.9 0.43 0.38	$\frac{5}{3} \mid \frac{2}{37}$ 0.95 0.71 0.63	$\frac{4}{4} \mid \frac{5}{34}$ 0.87 0.44 0.5	$\frac{4}{4} \mid \frac{1}{38}$ 0.97 0.8 0.5

BRCA  
 id: 204 name: Tipifarnib  
 target: Farnesyl-transferase (FNTA) class: other

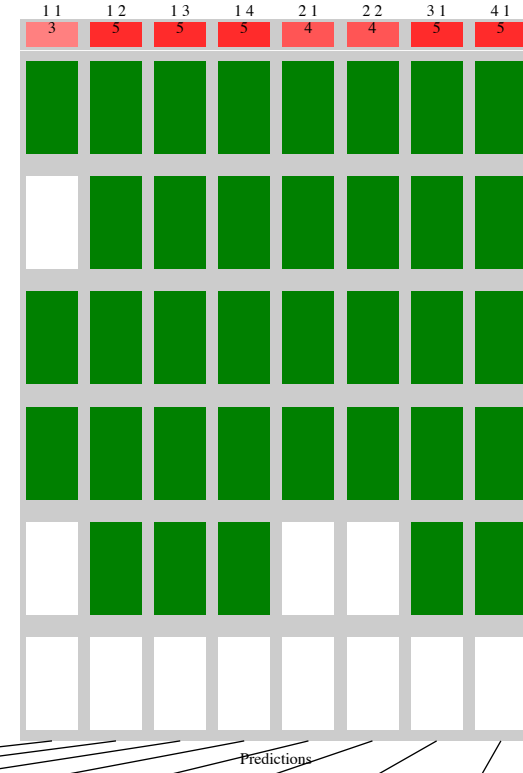
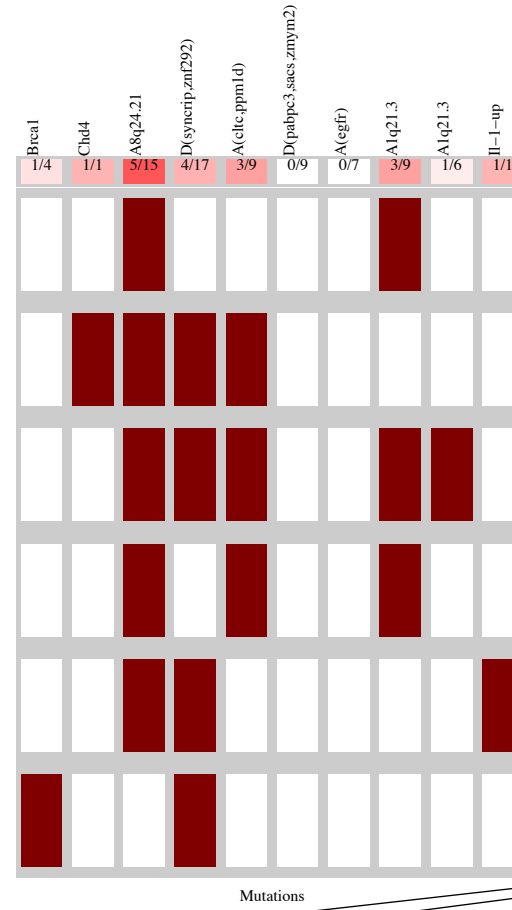
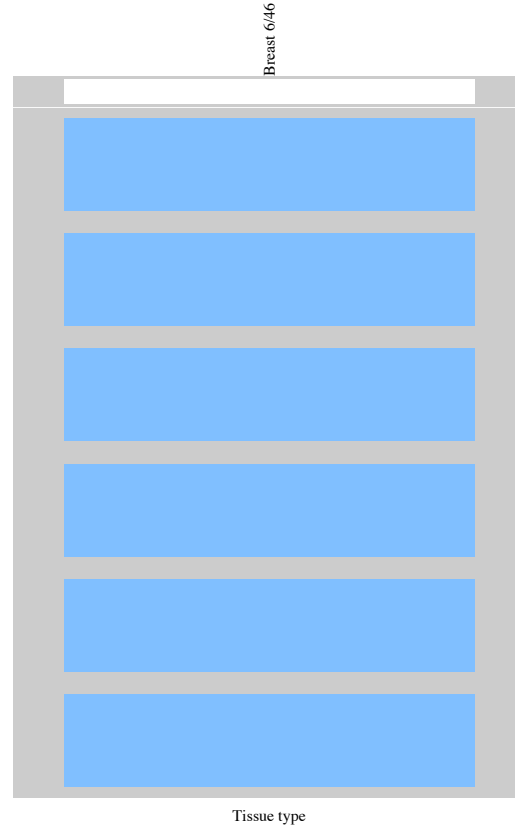
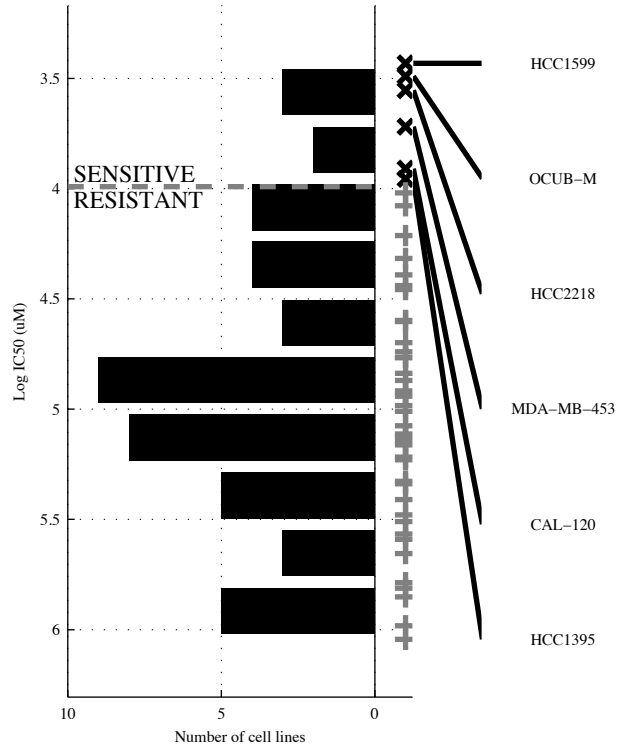
47 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	a(CLTC)	PIK3CA & a(FOXA)	PIK3CA & ~d8p23 & ~a(FOXA)	~ARID1 & PIK3CA & ~d8p23 & a(FOXA)	LARP4B   a(CLTC)	[ a(RAD2 & d13q14 )   [PIK3CA & a(FOXA)]	EIF4A2   a(CLTC)   d14q32	CHD4   GATA3   LARP4B   d14q32
TP   FP Specificity	3   6 0.86	4   8 0.81	4   3 0.93	4   1 0.98	4   6 0.86	5   8 0.81	5   6 0.86	4   0 1
FN   TN Precision	2   36 0.33	1   34 0.33	1   39 0.57	1   41 0.8	1   36 0.4	0   34 0.38	0   36 0.45	1   42 1
Recall	0.6	0.8	0.8	0.8	0.8	1	1	0.8

BRCA  
 id: 205 name: BMS-708163  
 target: g-secretase class: other

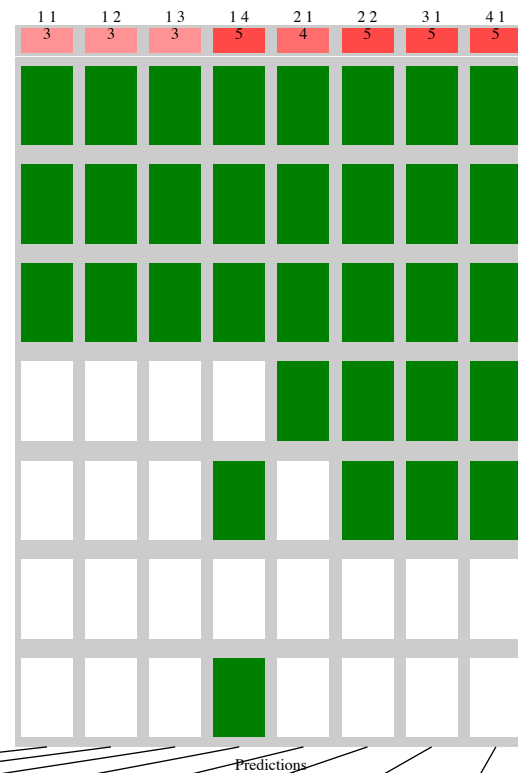
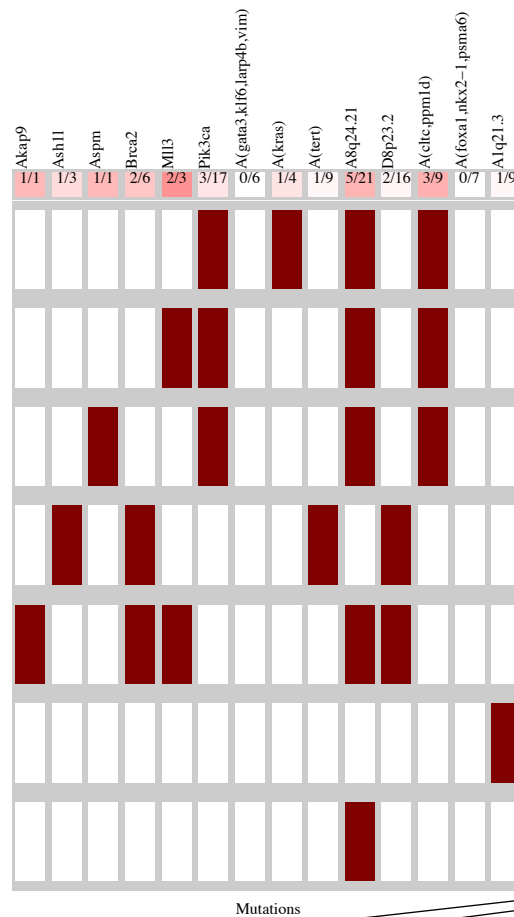
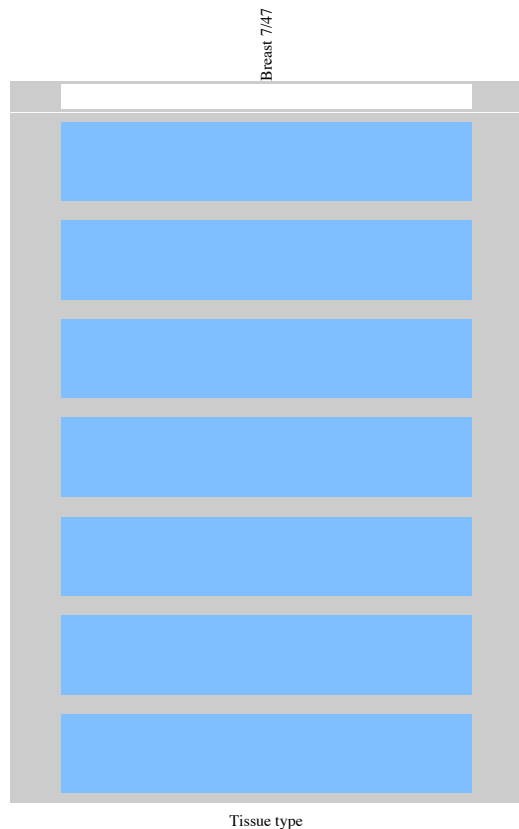
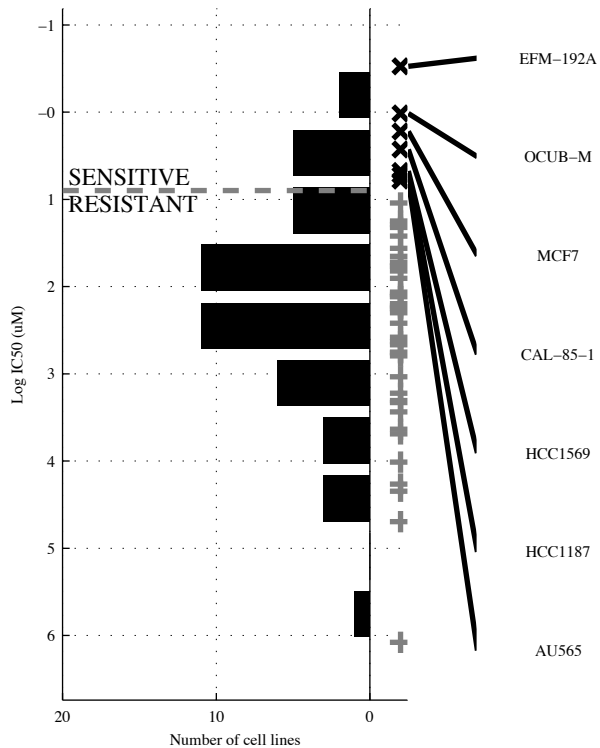
46 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a1q21.</b>	<b>a8q24. &amp; a(EGFR</b>	<b>¬BRCA &amp; a8q24. &amp; ¬a(EGFR</b>	<b>¬BRCA &amp; a8q24. &amp; ¬d(PAB &amp; a(EGFR</b>	<b>CHD4   a1q21.</b>	<b>[ a1q21. &amp; ¬a1q21. ]   [d(SYNC &amp; a(CLTC]</b>	<b>CHD4   a1q21.   IL-1-U</b>	<b>CHD4   a1q21.   IL-1-U  </b>
TP   FP	3   6	5   7	5   5	5   4	4   6	4   2	5   6	5   6
Specificity	0.85	0.82	0.88	0.9	0.85	0.95	0.85	0.85
FN   TN	3   34	1   33	1   35	1   36	2   34	2   38	1   34	1   34
Precision	0.33	0.42	0.5	0.56	0.4	0.67	0.45	0.45
Recall	0.5	0.83	0.83	0.83	0.67	0.67	0.83	0.83

BRCA  
 id: 207 name: AS601245  
 target: JNK class: JNK and p38 signaling

47 cell lines  
 7 sensitive

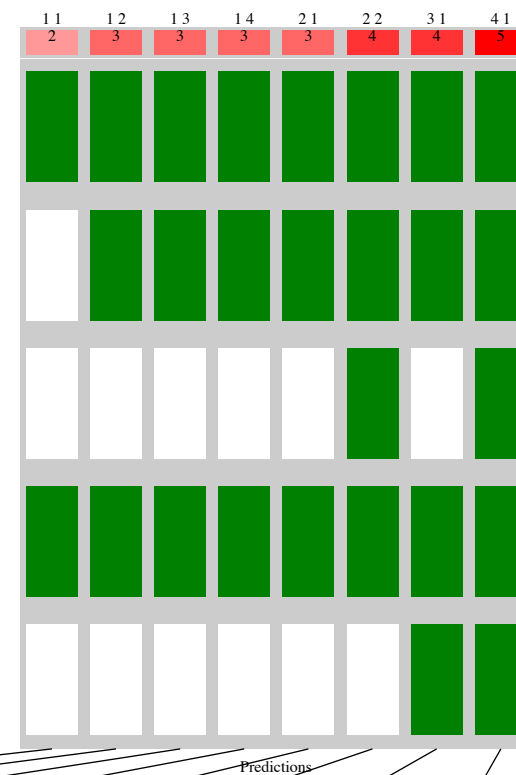
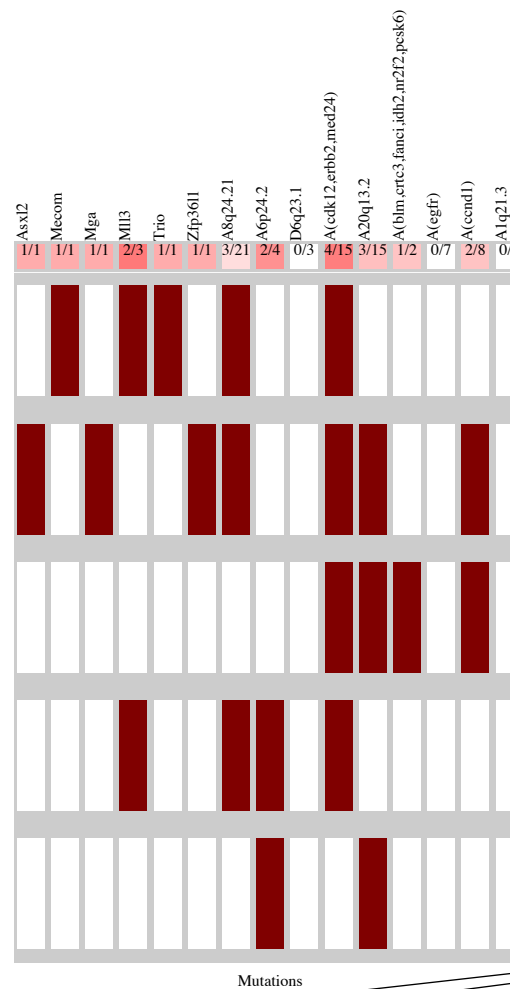
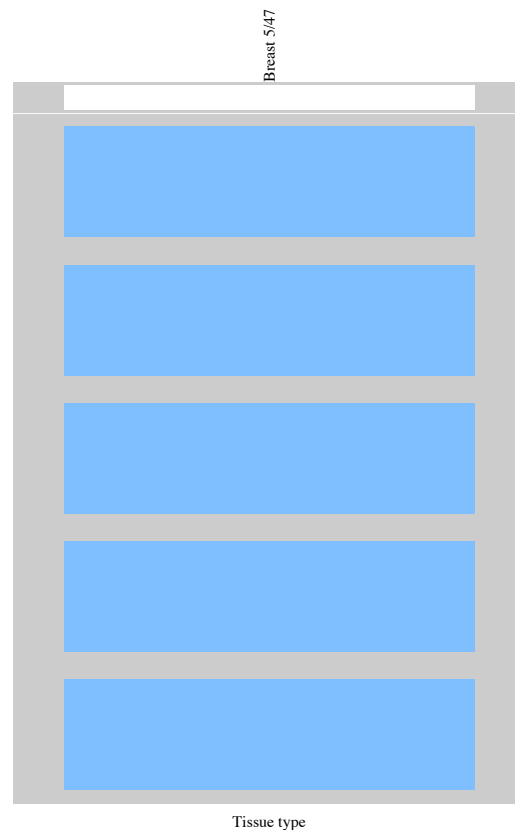
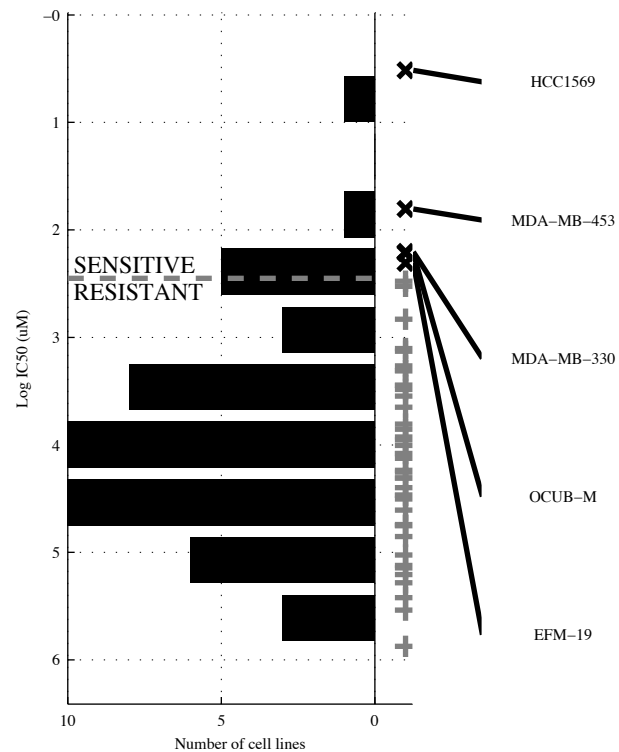


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>a(CLTC)</b>	<b>PIK3CA &amp; a(CLTC)</b>	<b>PIK3CA &amp; a(CLTC) &amp; ¬a(FOXA)</b>	<b>¬a(GAT) &amp; a(TERT) &amp; a8q24. &amp; ¬a1q21.</b>	<b>ASHIL   a(CLTC)</b>	<b>[ BRCA2 &amp; d8p23. ]   [PIK3CA &amp; a(CLTC)]</b>	<b>AKAP9   ASHIL   a(CLTC)</b>	<b>ASHIL   ASPM   MLL3   a(KRAS)</b>
TP   FP Specificity	3   6 0.85	3   3 0.93	3   1 0.97	5   3 0.93	4   8 0.8	5   4 0.9	5   8 0.8	5   6 0.85
FN   TN Precision	4   34 0.33	4   37 0.5	4   39 0.75	2   37 0.63	3   32 0.33	2   36 0.56	2   32 0.38	2   34 0.45
Recall	0.43	0.43	0.43	0.71	0.57	0.71	0.71	0.71



BRCA  
 id: 211 name: TL-2-105  
 target: CRAF class: ERK MAPK signaling

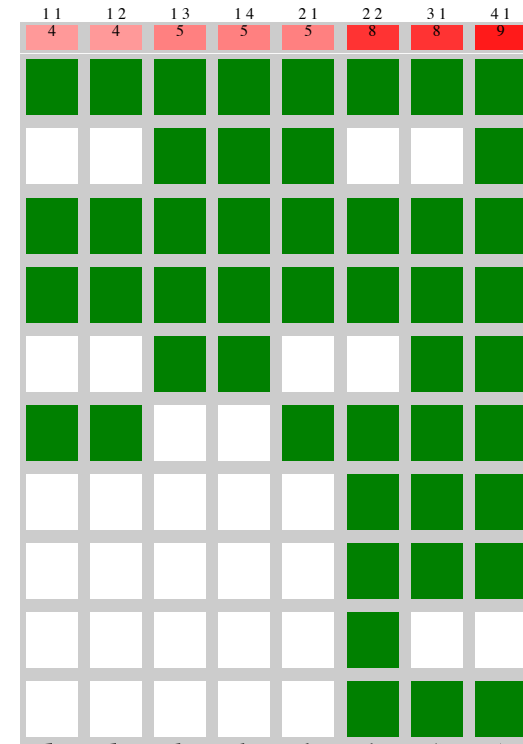
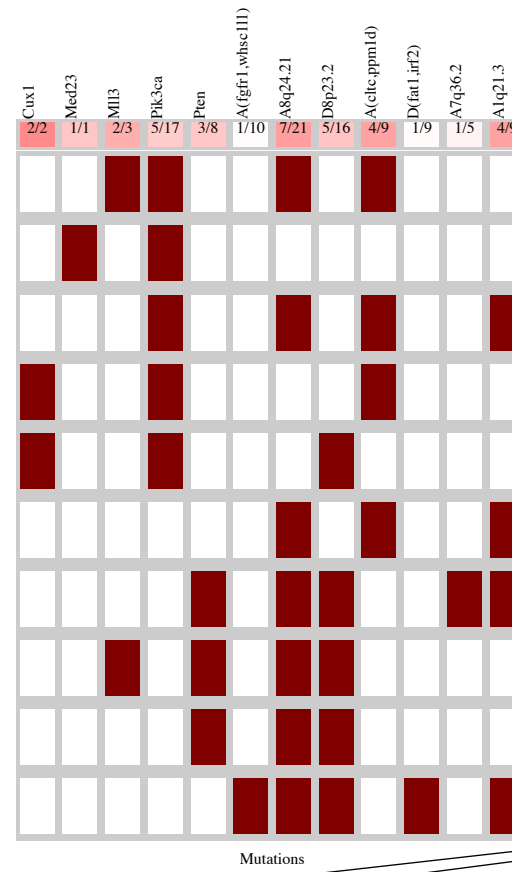
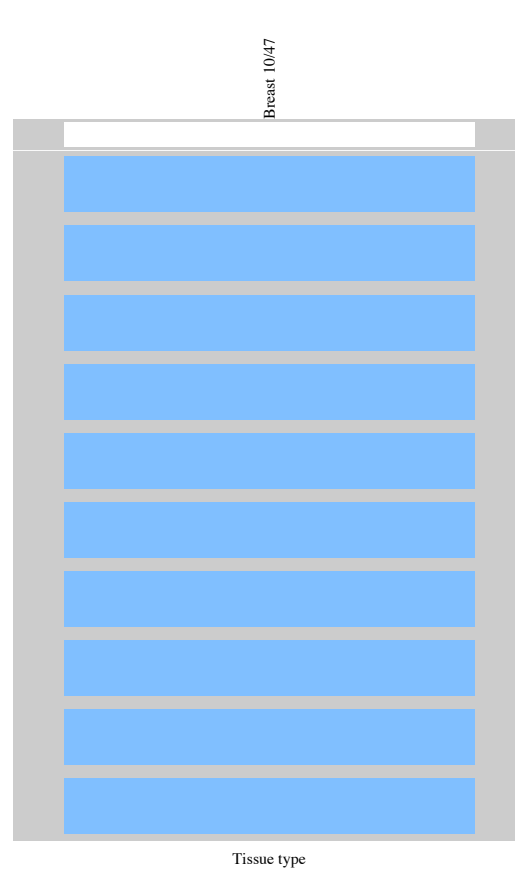
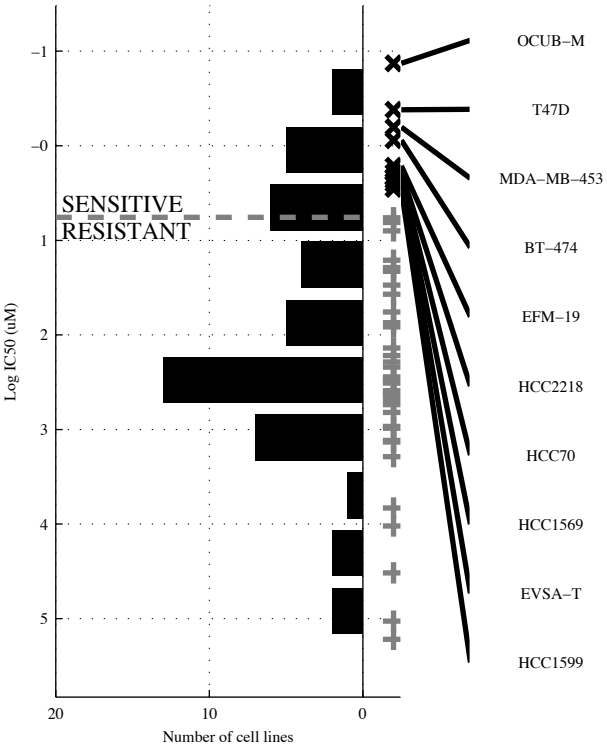
47 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>MLL3</b>	<b>a8q24. &amp;a(CDK1</b>	<b>a8q24. &amp;a(CDK1&amp;</b>	<b>a8q24. &amp;a(CDK1&amp;</b>	<b>MGA   MLL3</b>	<b>[ MLL3 &amp;-d6q23.]</b>   <b>[ a20q13 &amp;a(CCND)]</b>	<b>ASXL2   MECOM </b>  <b>a6p24.</b>	<b>TRIO   ZFP36L  </b>  <b>a6p24.   a(BLM,</b>
TP   FP Specificity	2   1 0.98	3   5 0.88	3   3 0.93	3   2 0.95	3   1 0.98	4   1 0.98	4   2 0.95	5   3 0.93
FN   TN Precision	3   41 0.67	2   37 0.38	2   39 0.5	2   40 0.6	2   41 0.75	1   41 0.8	1   40 0.67	0   39 0.63
Recall	0.4	0.6	0.6	0.6	0.6	0.8	0.8	1

BRCA  
 id: 228 name: KIN001-102  
 target: AKT1 class: PI3K signaling

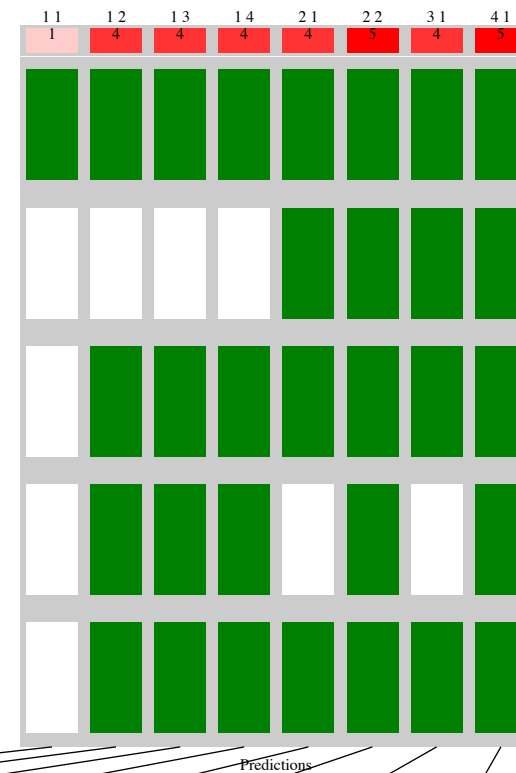
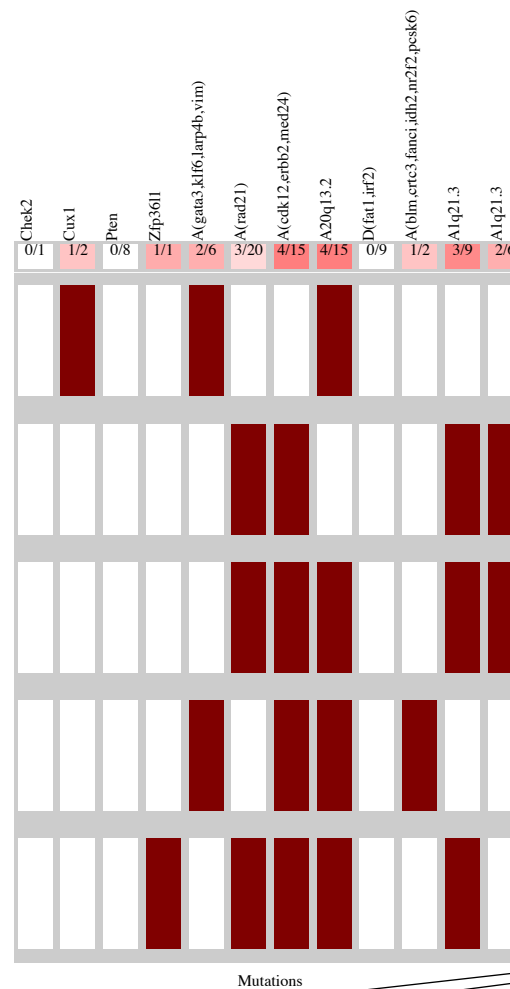
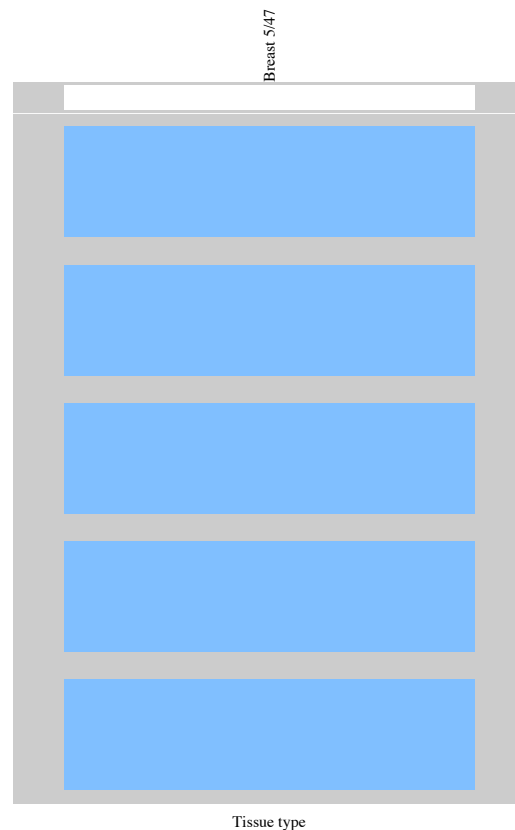
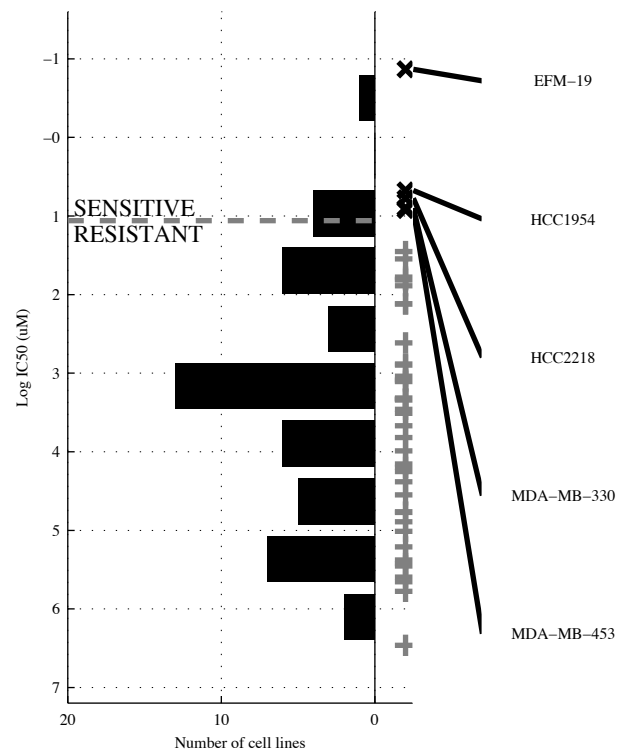
47 cell lines  
 10 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>a(CLTC</b>	<b>a(CLTC&amp;-d(FAT1</b>	<b>PIK3CA&amp;-PTEN&amp;-d(FAT1</b>	<b>PIK3CA&amp;-PTEN&amp;-a(FGFR&amp;-a7q36.</b>	<b>MED23   a(CLTC</b>	<b>[ a(CLTC&amp;-d(FAT1)   [ a8q24. &amp; d8p23. ]</b>	<b>CUX1   MLL3   a1q21.</b>	<b>CUX1   MED23   MLL3   a1q21.</b>
TP   FP Specificity	4   5 0.86	4   3 0.92	5   7 0.81	5   5 0.86	5   5 0.86	8   4 0.89	8   6 0.84	9   6 0.84
FN   TN Precision	6   32 0.44	6   34 0.57	5   30 0.42	5   32 0.5	5   32 0.5	2   33 0.67	2   31 0.57	1   31 0.6
Recall	0.4	0.4	0.5	0.5	0.5	0.8	0.8	0.9

BRCA  
 id: 229 name: LY317615  
 target: PRKCB (PKCbeta) class: other

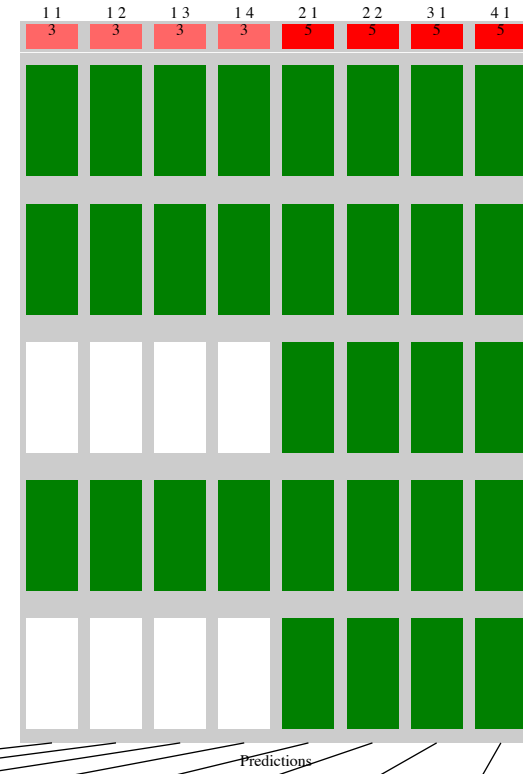
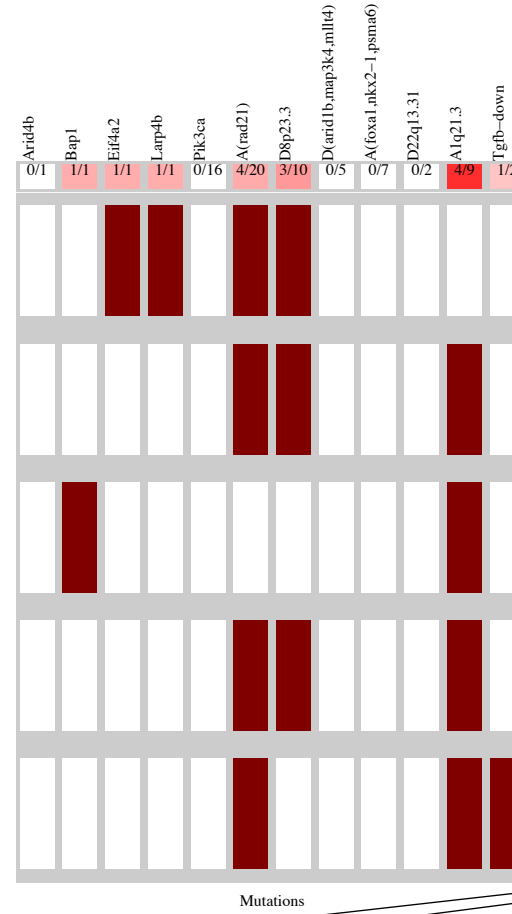
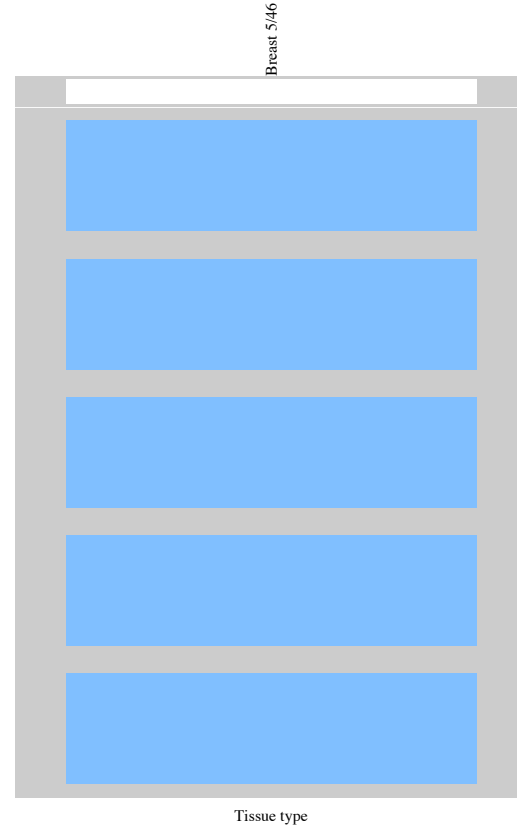
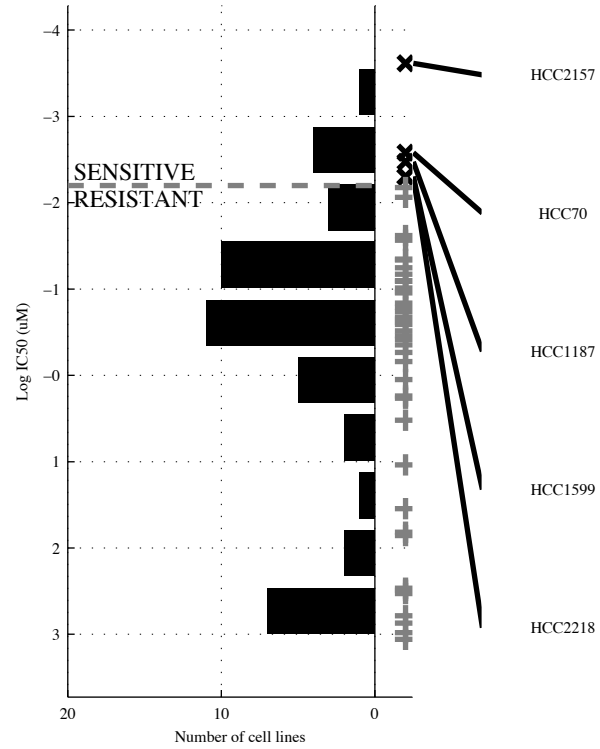
47 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>CUX1</b>	<b>a20q13 &amp; ¬d(FAT1)</b>	<b>¬PTEN &amp; a20q13 &amp; ¬d(FAT1)</b>	<b>¬CHEK &amp; ¬PTEN &amp; a20q13 &amp; ¬d(FAT1)</b>	<b>CUX1   a1q21.</b>	<b>[a(CDK1 &amp; a1q21.)   a(GATA &amp; a(RAD2)]</b>	<b>CUX1   ZFP36L   a1q21.</b>	<b>CUX1   ZFP36L   a(BLM,   a1q21.</b>
TP   FP	1   1	4   7	4   6	4   5	4   7	5   1	4   5	5   6
Specificity	0.98	0.83	0.86	0.88	0.83	0.98	0.88	0.86
FN   TN	4   41	1   35	1   36	1   37	1   35	0   41	1   37	0   36
Precision	0.5	0.36	0.4	0.44	0.36	0.83	0.44	0.45
Recall	0.2	0.8	0.8	0.8	0.8	1	0.8	1

BRCA  
 id: 252 name: WZ3105  
 target: CLK2, CNSK1E, FLT3, ULK1 class: other

46 cell lines  
 5 sensitive

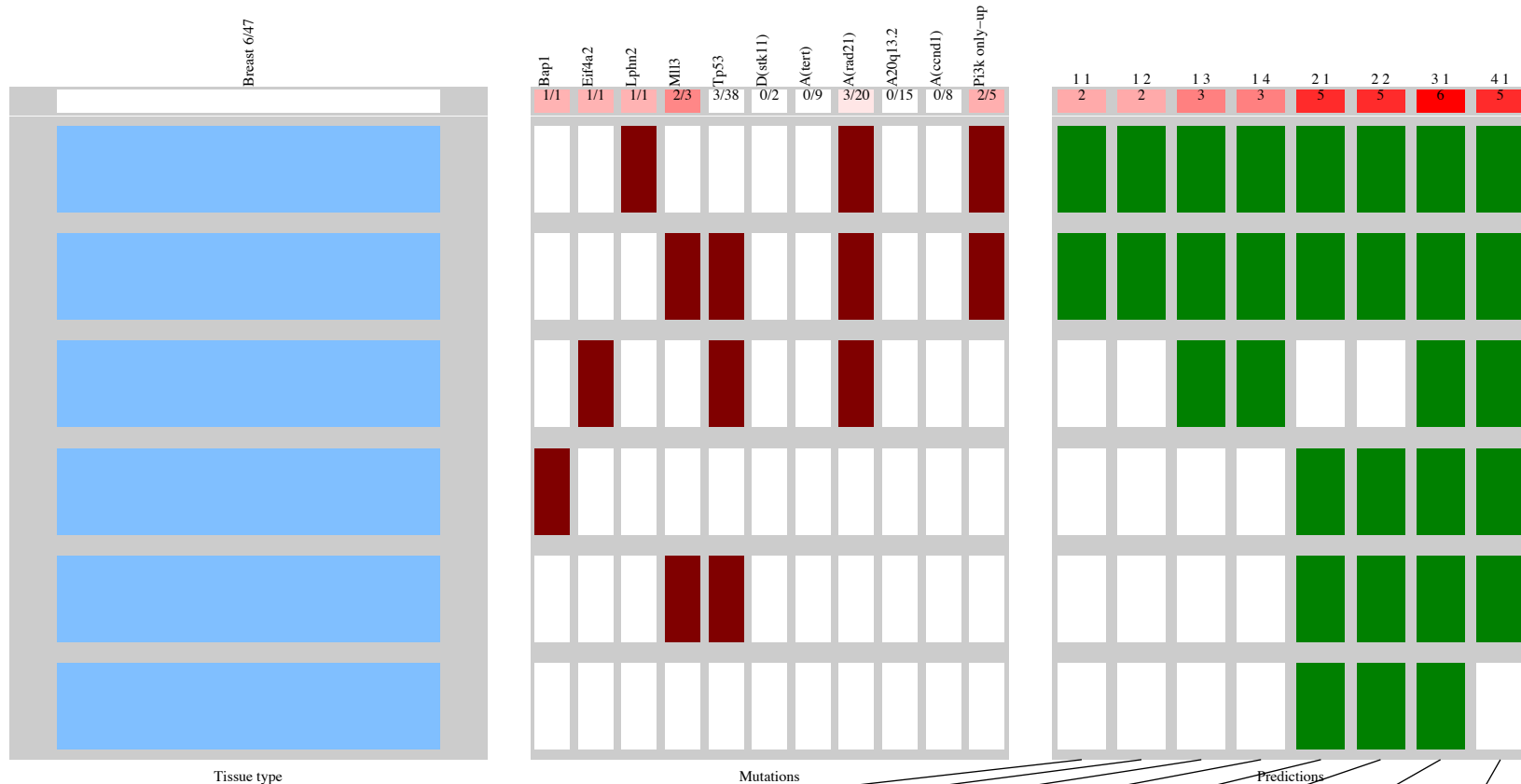
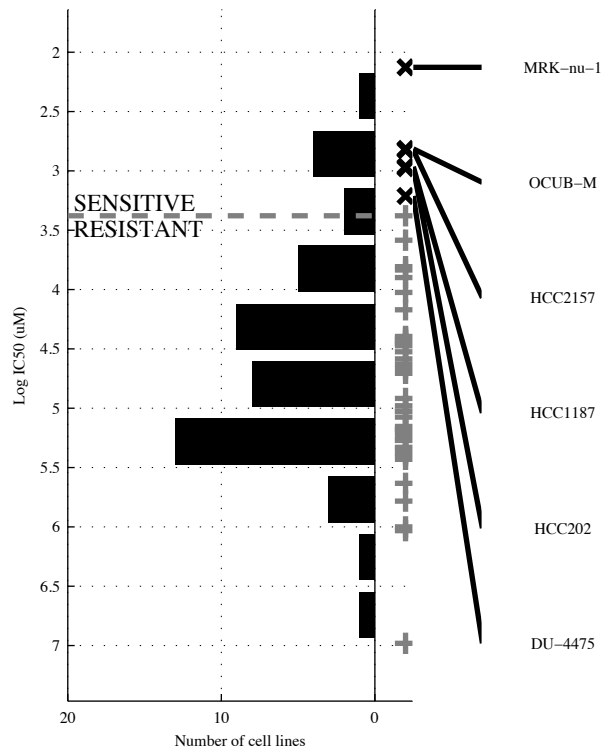


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d8p23.</b>	<b>a(RAD2&amp; d8p23.</b>	<b>a(RAD2&amp; d8p23. &amp;</b>	<b>-PIK3C&amp; d8p23. &amp;</b> <b>-d(ARID4&amp;-d22q13</b>	<b>LARP4B  a1q21.</b>	<b>[¬a(FOX&amp; a1q21. ]</b> <b> </b> <b>[¬ARID4&amp;EIF4A2 ]</b>	<b>BAP1   d8p23.  </b> <b>TGFB-D</b>	<b>BAP1  LARP4B </b> <b>d8p23.  TGFB-D</b>
TP   FP	3   7	3   0	3   0	3   0	5   5	5   1	5   7	5   7
Specificity	0.83	1	1	1	0.88	0.98	0.83	0.83
FN   TN	2   34	2   41	2   41	2   41	0   36	0   40	0   34	0   34
Precision	0.3	1	1	1	0.5	0.83	0.42	0.42
Recall	0.6	0.6	0.6	0.6	1	1	1	1



BRCA  
 id: 258 name: STF-62247  
 target: stimulates autophagy class: other

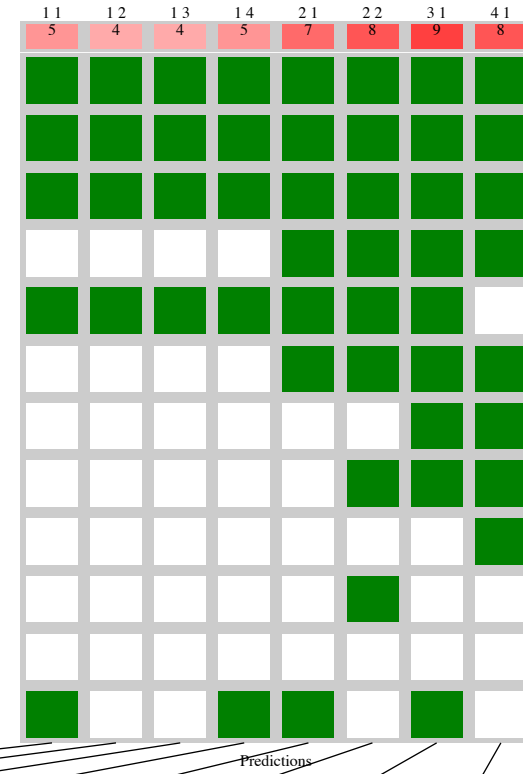
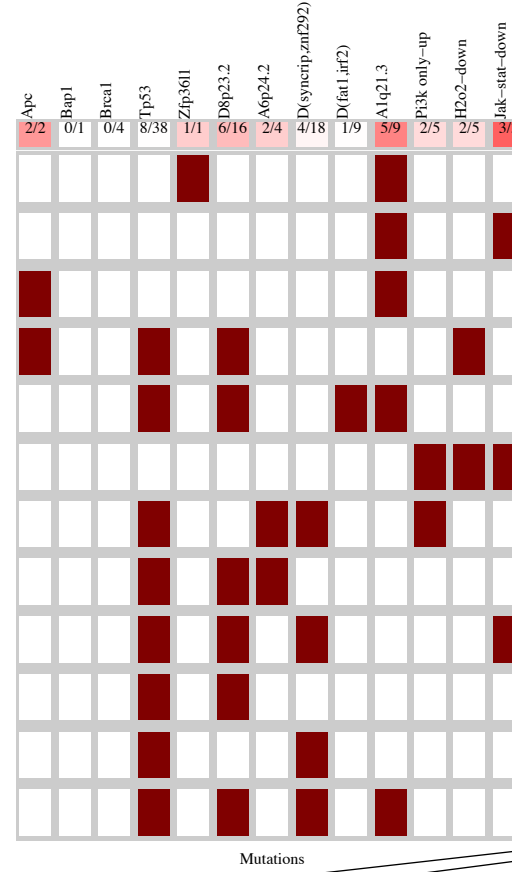
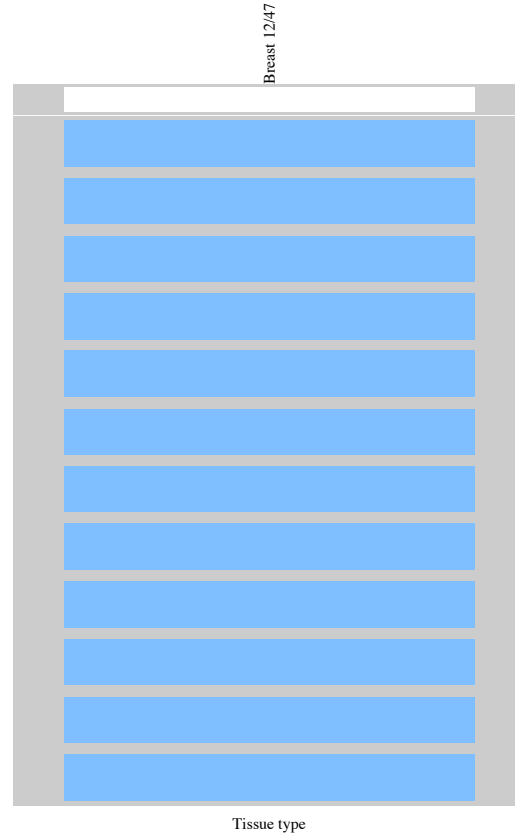
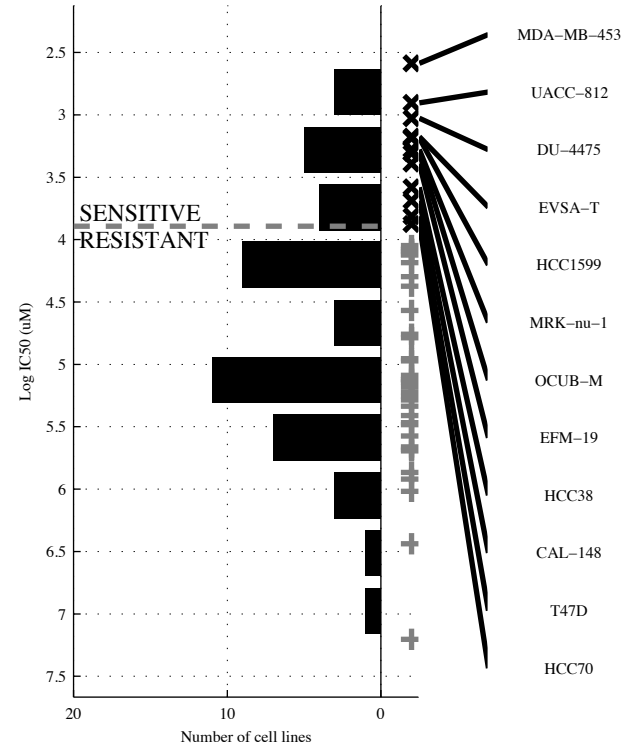
47 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>PI3K o</b>	<b>-a(CCND &amp; PI3K o</b>	<b>-a(TERT &amp; RAD2&amp; -a20q13</b>	<b>-a(TERT &amp; RAD2&amp; -a20q13 &amp; a(CCND</b>	<b>MLL3   -TP53</b>	<b>[ -TP53 &amp; -a20q13 ]   [ MLL3 &amp; d(STK1)</b>	<b>EIF4A2   MLL3   -TP53</b>	<b>BAP1   EIF4A2   LPHN2   MLL3</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{2}{4} \mid \frac{3}{38}$ 0.93 0.4 0.33	$\frac{2}{4} \mid \frac{1}{40}$ 0.98 0.67 0.33	$\frac{3}{3} \mid \frac{2}{39}$ 0.95 0.6 0.5	$\frac{3}{3} \mid \frac{1}{40}$ 0.98 0.75 0.5	$\frac{5}{1} \mid \frac{7}{34}$ 0.83 0.42 0.83	$\frac{5}{1} \mid \frac{2}{39}$ 0.95 0.71 0.83	$\frac{6}{0} \mid \frac{7}{34}$ 0.83 0.46 1	$\frac{5}{1} \mid \frac{1}{40}$ 0.98 0.83 0.83

BRCA  
 id: 265 name: Tubastatin A  
 target: HDAC6 class: chromain histone acetylation

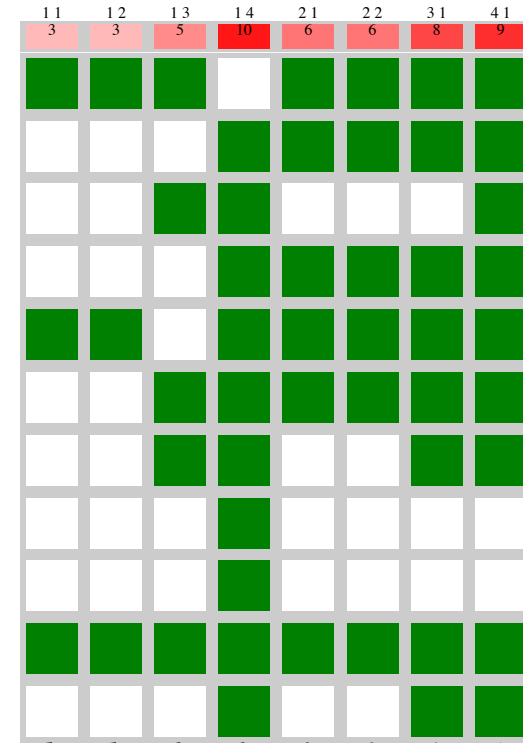
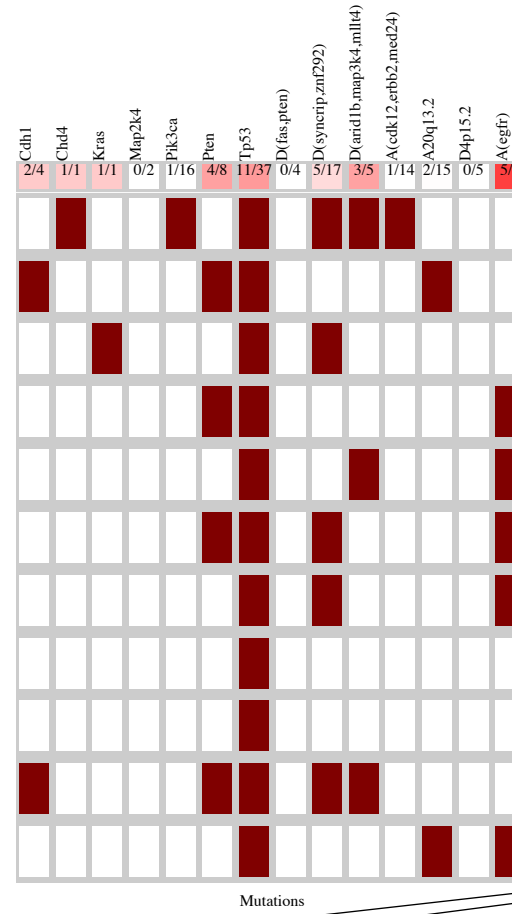
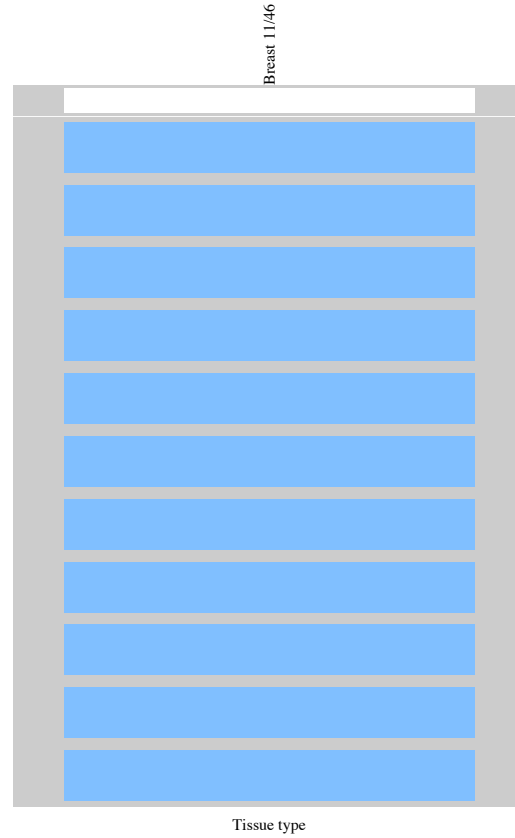
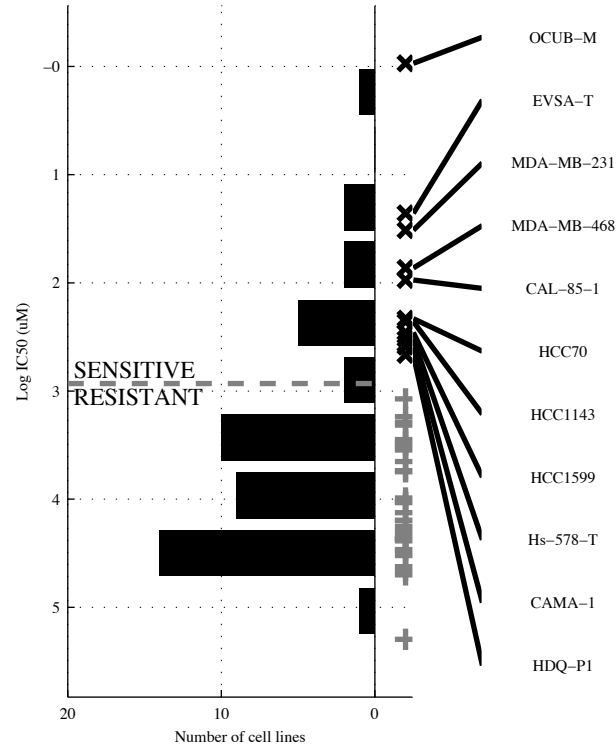
47 cell lines  
 12 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a1q21.</b>	<b>-d(SYNG&amp; a1q21.</b>	<b>-BRCA&amp;d(SYNG&amp; a1q21.</b>	<b>-BAP1&amp; a1q21. &amp; -PI3K &amp;H2O2-D</b>	<b>a1q21.  H2O2-D</b>	<b>[ -TP53 &amp;-d(FAT1)   [ d8p23. &amp;d(SYNG]</b>	<b>a6p24.   a1q21.   H2O2-D</b>	<b>APC   ZFP36L   a6p24.   JAK-ST</b>
TP   FP Specificity	5   4 0.89	4   1 0.97	4   0 1	5   0 1	7   5 0.86	8   6 0.83	9   7 0.8	8   2 0.94
FN   TN Precision	7   31 0.56	8   34 0.8	8   35 1	7   35 1	5   30 0.58	4   29 0.57	3   28 0.56	4   33 0.8
Recall	0.42	0.33	0.33	0.42	0.58	0.67	0.75	0.67

BRCA  
 id: 281 name: CH5424802  
 target: ALK class: RTK signaling

46 cell lines  
 11 sensitive

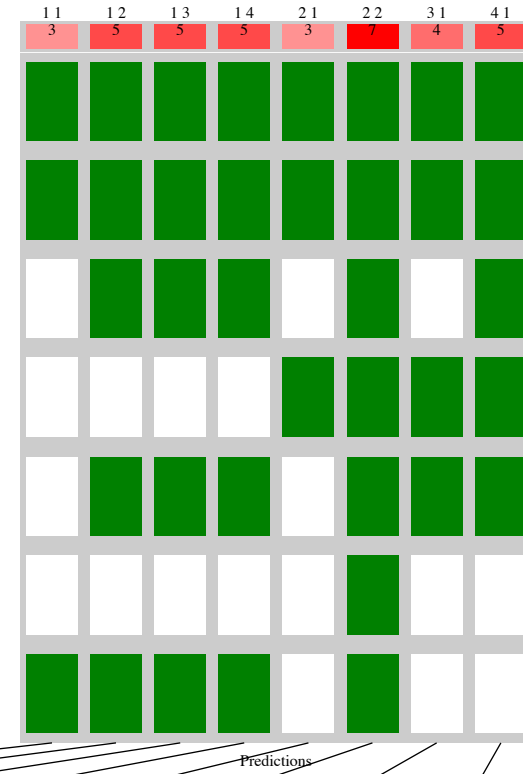
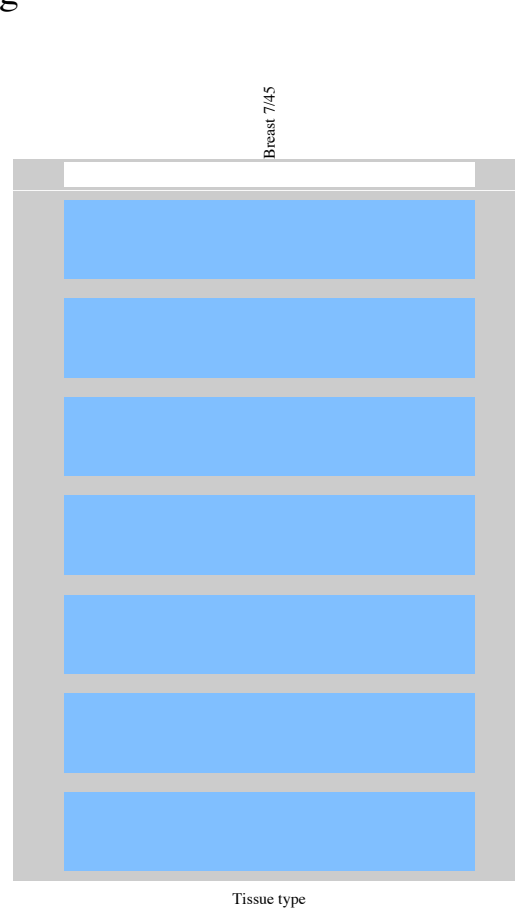
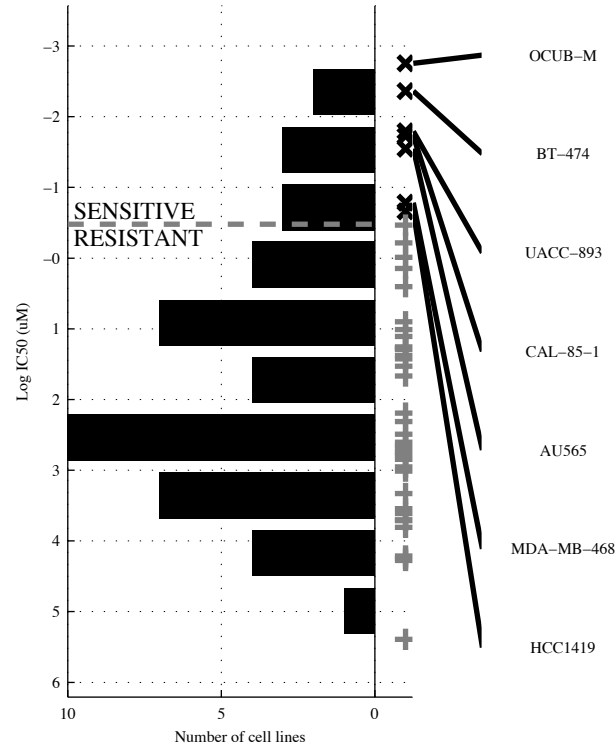


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d(ARID)</b>	<b>d(ARID &amp; ~d4p15.)</b>	<b>~d(FAS &amp; d(SYNC &amp; ~a20q13)</b>	<b>~PIK3CA &amp; TP53 &amp; ~d(FAS &amp; a(CDK1</b>	<b>PTEN   d(ARID</b>	<b>[ MAP2K &amp; PTEN ]   [ d(ARID &amp; ~d4p15.) ]</b>	<b>CDH1   CHD4   a(EGFR)</b>	<b>CDH1   CHD4   KRAS   a(EGFR)</b>
TP   FP	3   2	3   0	5   5	10   7	6   6	6   2	8   4	9   4
Specificity	0.94	1	0.86	0.8	0.83	0.94	0.89	0.89
FN   TN	8   33	8   35	6   30	1   28	5   29	5   33	3   31	2   31
Precision	0.6	1	0.5	0.59	0.5	0.75	0.67	0.69
Recall	0.27	0.27	0.45	0.91	0.55	0.55	0.73	0.82



BRCA  
 id: 282 name: EKB-569  
 target: EGFR class: EGFR signaling

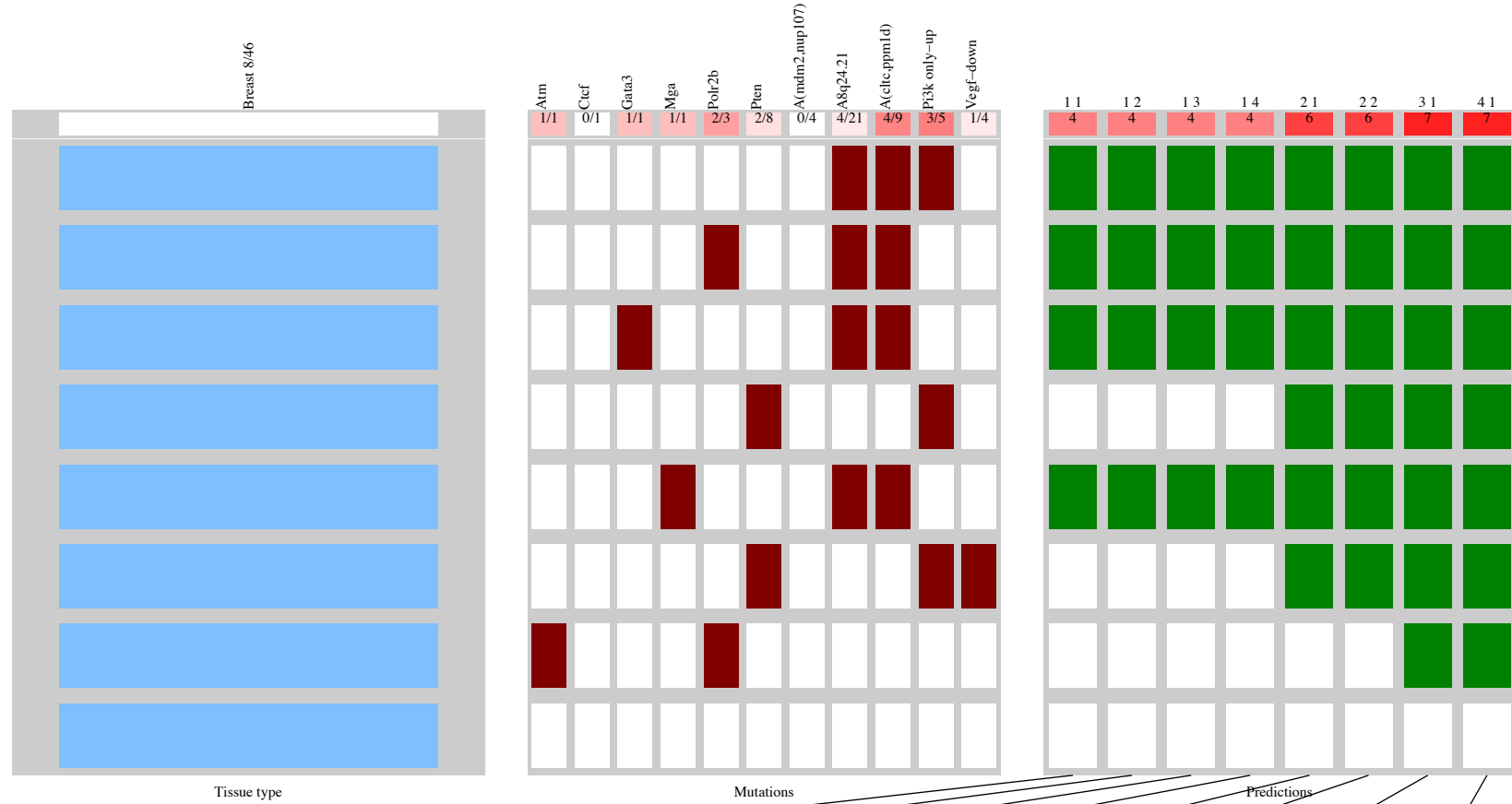
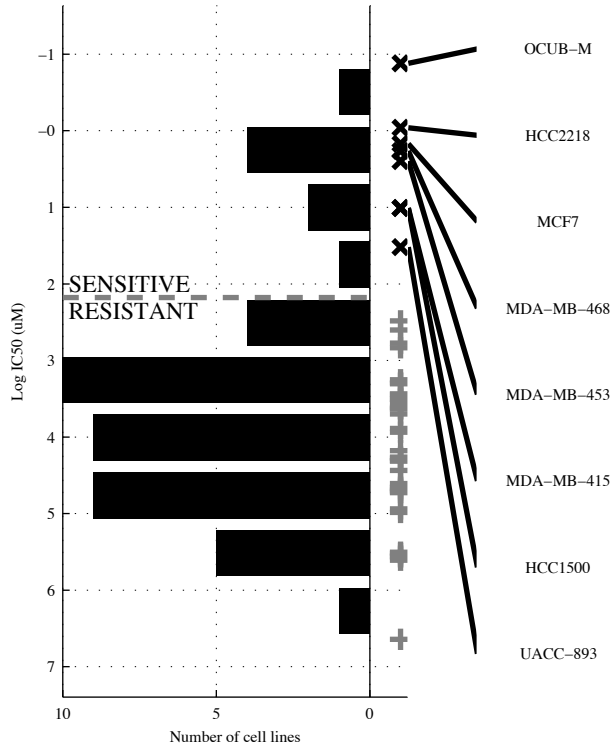
45 cell lines  
 7 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>a(CLTC)</b>		<b>a(CDK1 &amp; a(CCND)</b>		<b>¬a(KRAS &amp; a(FGFR)</b>		<b>¬a(KRAS &amp; a(FGFR)</b>		<b>BRCA2   CHD4</b>		<b>[¬a8q24. &amp; a(EGFR)]</b>   <b>[a(CDK1 &amp; a(CCND)]</b>		<b>BRCA2   CHD4  </b> <b>d19p12</b>		<b>CUX1   d19p12  </b> <b>d(ARID   d(GPS2)</b>	
TP   FP Specificity	3   5	0.87	5   4	0.89	5   3	0.92	5   2	0.95	3   4	0.89	7   5	0.87	4   5	0.87	5   5	0.87
FN   TN Precision	4   33	0.38	2   34	0.56	2   35	0.63	2   36	0.71	4   34	0.43	0   33	0.58	3   33	0.44	2   33	0.5
Recall		0.43		0.71		0.71		0.71		0.43	1			0.57		0.71

BRCA  
 id: 293 name: MP470  
 target: PDGFR class: RTK signaling

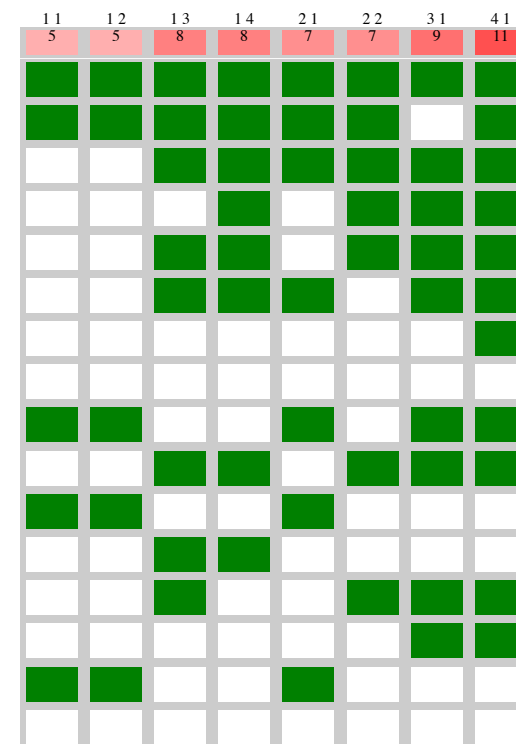
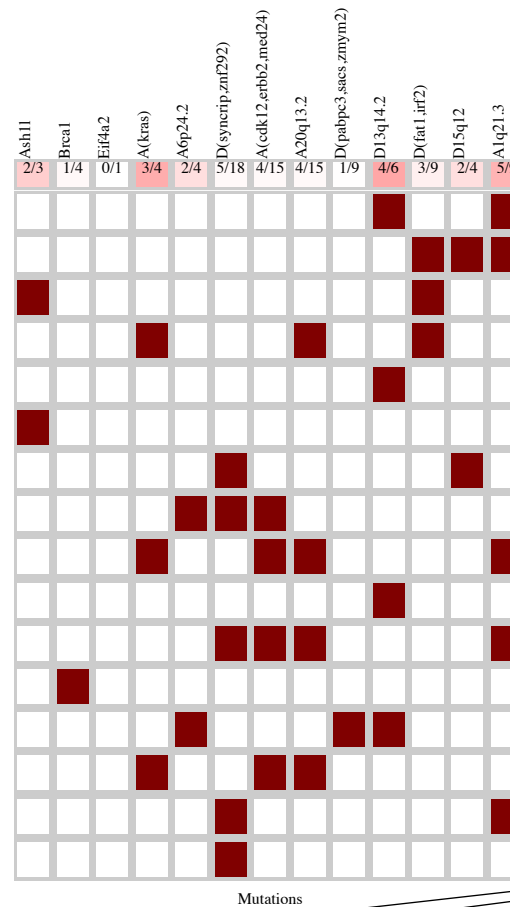
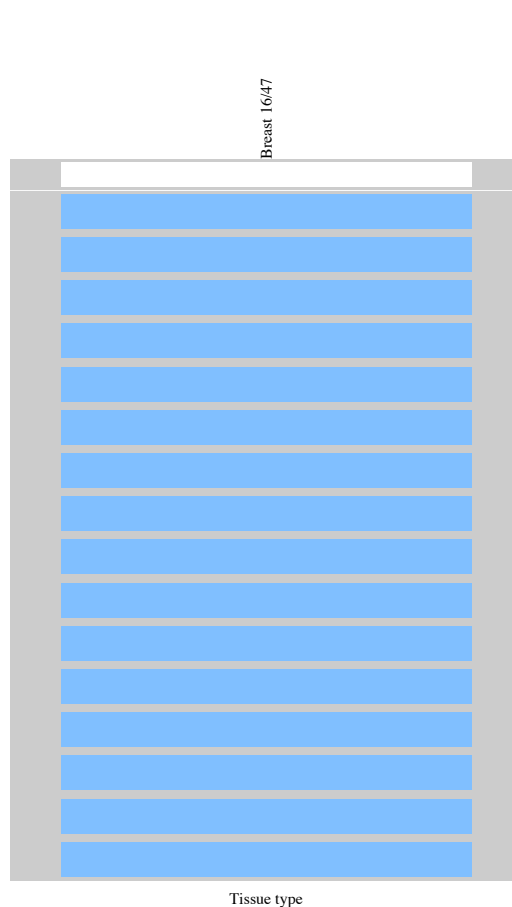
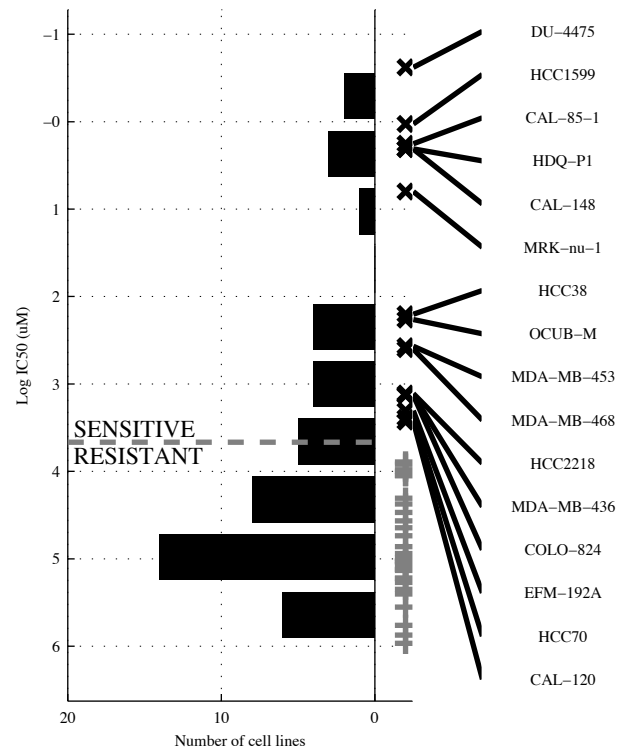
46 cell lines  
 8 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>a(CLTC)</b>	<b>¬a(MDM2) &amp; a(CLTC)</b>	<b>¬a(MDM2 &amp; a8q24.21) &amp; a(CLTC)</b>	<b>¬a(MDM2 &amp; a8q24.21) &amp; a(CLTC &amp; VEGF-D)</b>	<b>a(CLTC   PI3K o)</b>	<b>[ ¬CTCF &amp; a(CLTC)   [ PTEN &amp; PI3K o ] ]</b>	<b>ATM   a(CLTC)   PI3K o</b>	<b>GATA3   MGA   POLR2B   PI3K o</b>
TP   FP Specificity	4   5 0.87	4   4 0.89	4   2 0.95	4   2 0.95	6   7 0.82	6   4 0.89	7   7 0.82	7   3 0.92
FN   TN Precision	4   33 0.44	4   34 0.5	4   36 0.67	4   36 0.67	2   31 0.46	2   34 0.6	1   31 0.5	1   35 0.7
Recall	4   33 0.5	4   34 0.5	4   36 0.5	4   36 0.5	2   31 0.75	2   34 0.75	1   31 0.88	1   35 0.88

BRCA  
 id: 300 name: CX-5461  
 target: RNA Pol I class: other

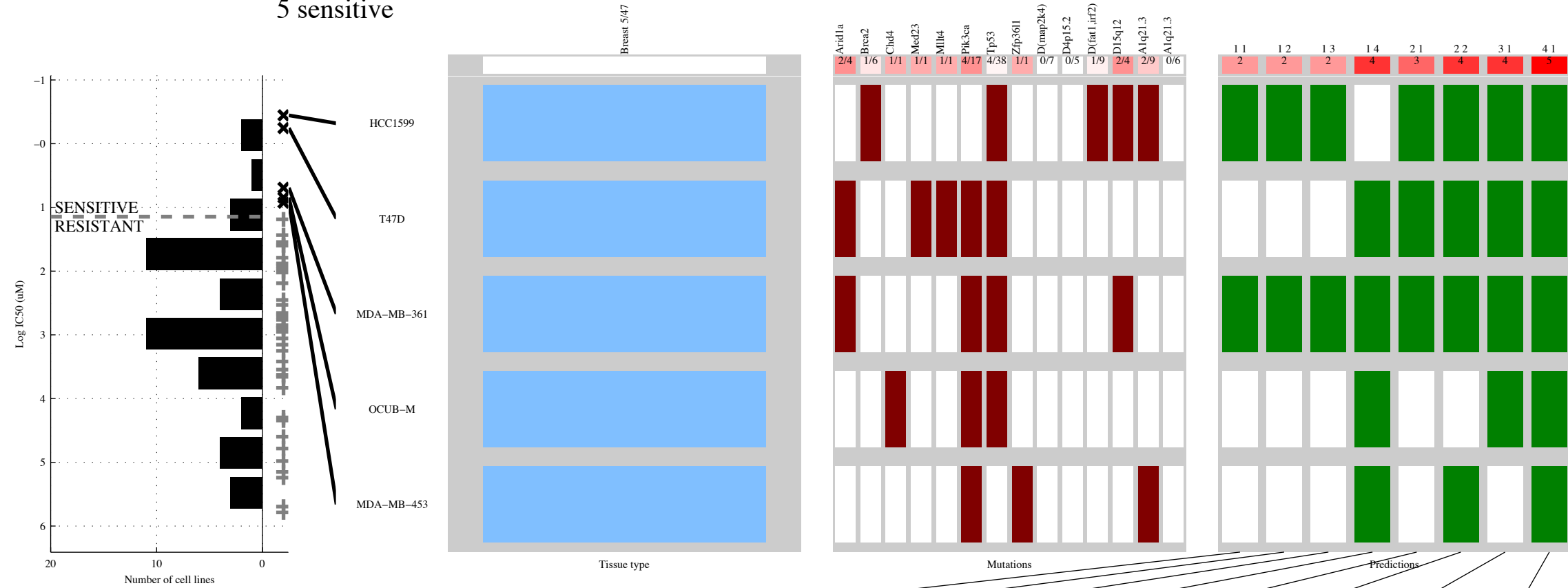
47 cell lines  
 16 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>a1q21.</b>		<b>¬BRCA &amp; a1q21.</b>		<b>¬d(SYNC &amp; a(CDK &amp; a20q13</b>		<b>¬a6p24. &amp; d(SYNC &amp; ¬a(CDK &amp; d(PABP</b>		<b>ASHIL   a1q21.</b>		<b>[¬EIF4A &amp; d13q14 ]   [¬d(PABK &amp; d(FAT1]</b>		<b>ASHIL   a(KRAS   d13q14</b>		<b>ASHIL   a(KRAS   d13q14   d15q12</b>	
TP   FP Specificity	5   4	0.87	5   3	0.9	8   5	0.84	8   5	0.84	7   5	0.84	7   3	0.9	9   4	0.87	11   5	0.84
FN   TN Precision	11   27	0.56	11   28	0.63	8   26	0.62	8   26	0.62	9   26	0.58	9   28	0.7	7   27	0.69	5   26	0.69
Recall	0.31		0.31		0.5		0.5		0.44		0.44		0.56		0.69	

BRCA  
 id: 303 name: PIK-93  
 target: PI4K, PI3K class: PI3K signaling

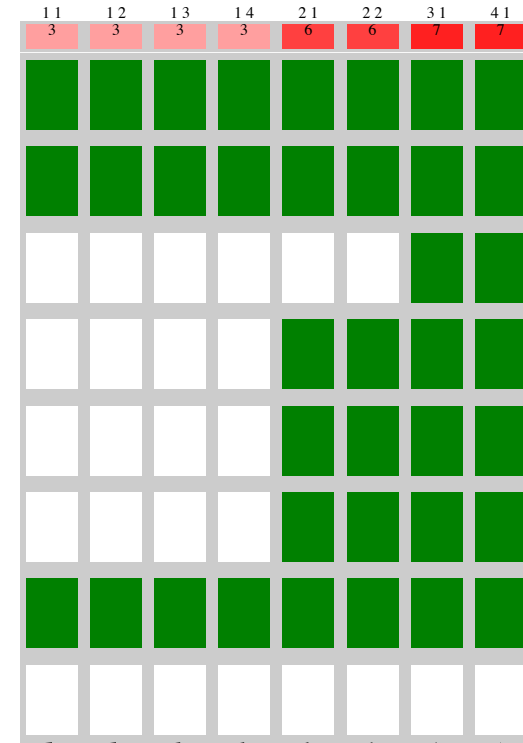
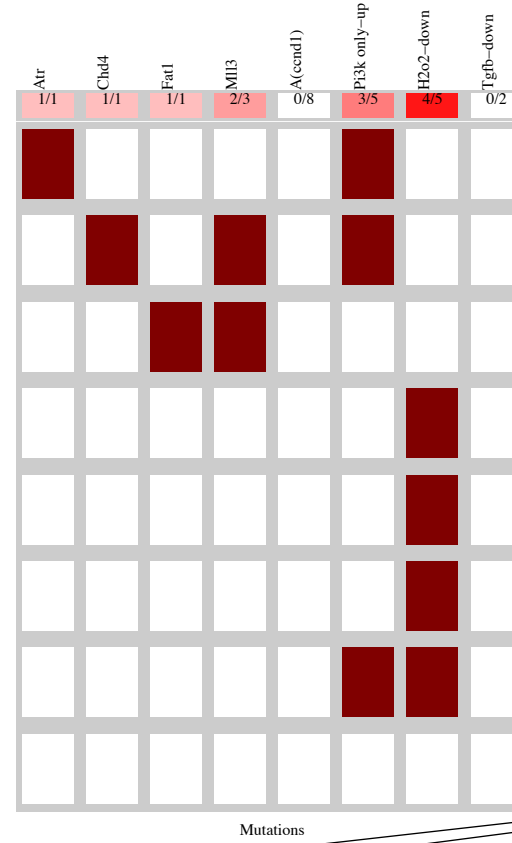
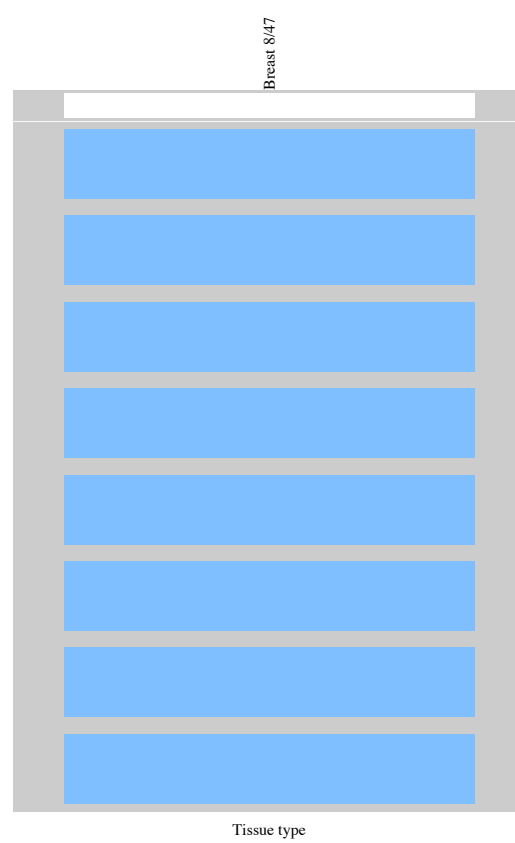
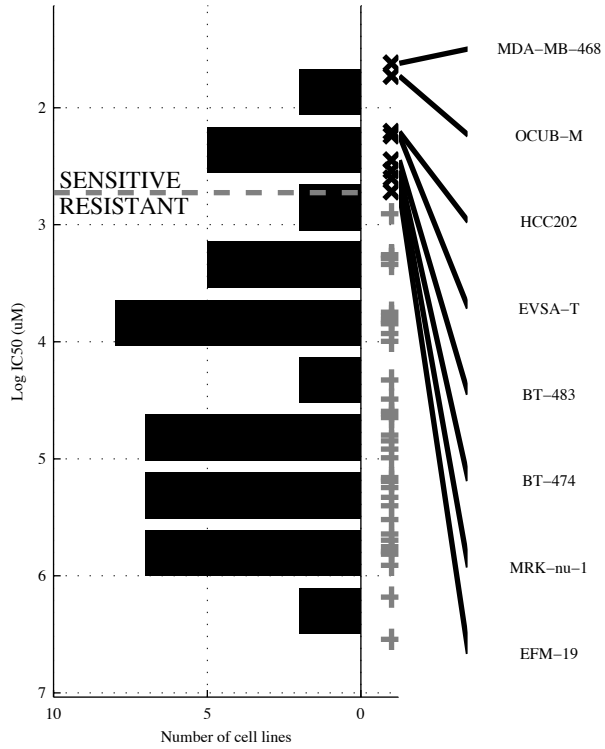
47 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d15q12</b>	<b>-d(MAP2&amp; d15q12</b>	<b>-d4p15&amp; d15q12&amp;</b>	<b>-BRCA2&amp;PIK3CA&amp;</b> <b>-d(FAT2&amp;-a1q21.</b>	<b>MED23   d15q12</b>	<b>[ a1q21. &amp;-a1q21. ]</b> <b> </b> <b>[ARID1A&amp; TP53 ]</b>	<b>CHD4   MLLT4  </b> <b>d15q12</b>	<b>CHD4   MLLT4  </b> <b>ZFP36L   d15q12</b>
TP   FP Specificity	2   2 0.95	2   0 1	2   0 1	4   6 0.86	3   2 0.95	4   1 0.98	4   2 0.95	5   2 0.95
FN   TN Precision	3   40 0.5	3   42 1	3   42 1	1   36 0.4	2   40 0.6	1   41 0.8	1   40 0.67	0   40 0.71
Recall	0.4	0.4	0.4	0.8	0.6	0.8	0.8	1

BRCA  
 id: 304 name: SB52334  
 target: ALK5 class: RTK signaling

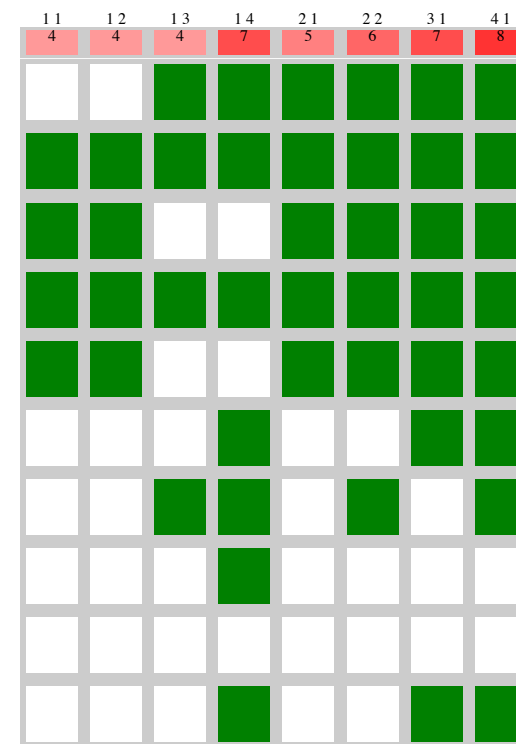
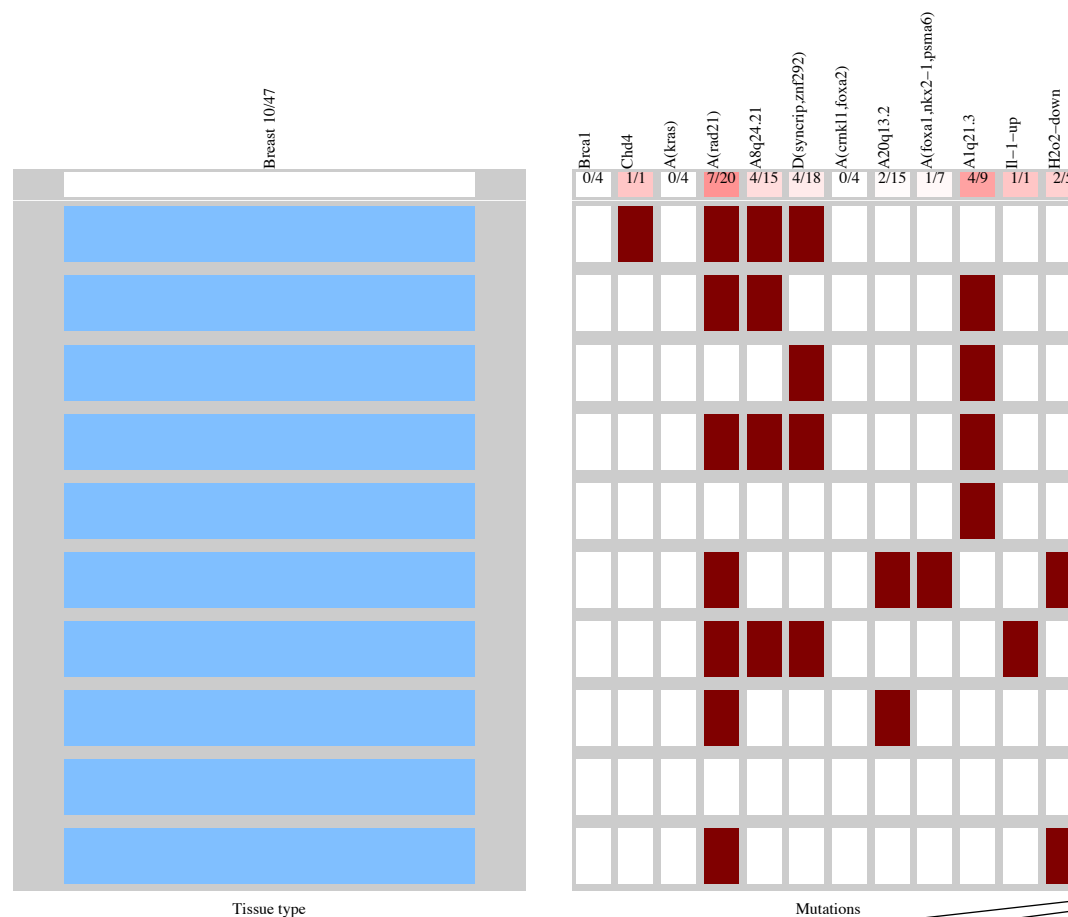
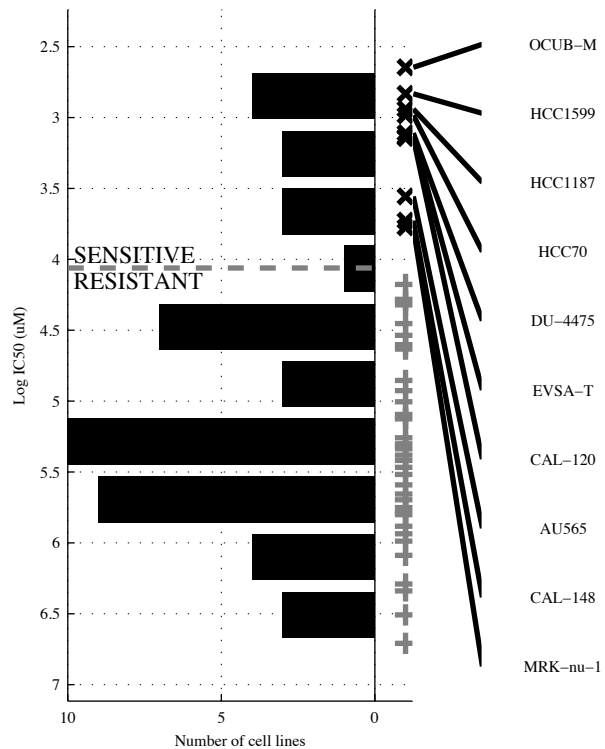
47 cell lines  
 8 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>PI3K o</b>	<b>¬a(CCNI &amp; PI3K o</b>	<b>¬a(CCNI &amp; PI3K o &amp;</b>	<b>¬a(CCNI &amp; PI3K o &amp;</b>	<b>PI3K o   H2O2-D</b>	<b>[H2O2-D &amp; TGFB-D]</b>   <b>¬a(CCNI &amp; PI3K o ]</b>	<b>ATR   MLL3  </b>  <b>H2O2-D</b>	<b>ATR   CHD4  </b>  <b>FAT1   H2O2-D</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{3}{5} \mid \frac{2}{37}$ 0.95 0.6 0.38	$\frac{3}{5} \mid \frac{0}{39}$ 1 1 0.38	$\frac{3}{5} \mid \frac{0}{39}$ 1 1 0.38	$\frac{3}{5} \mid \frac{0}{39}$ 1 1 0.38	$\frac{6}{2} \mid \frac{3}{36}$ 0.92 0.67 0.75	$\frac{6}{2} \mid \frac{0}{39}$ 1 1 0.75	$\frac{7}{1} \mid \frac{2}{37}$ 0.95 0.78 0.88	$\frac{7}{1} \mid \frac{1}{38}$ 0.97 0.88 0.88

BRCA  
id: 309 name: Y-39983  
target: ROCK class: cytoskeleton

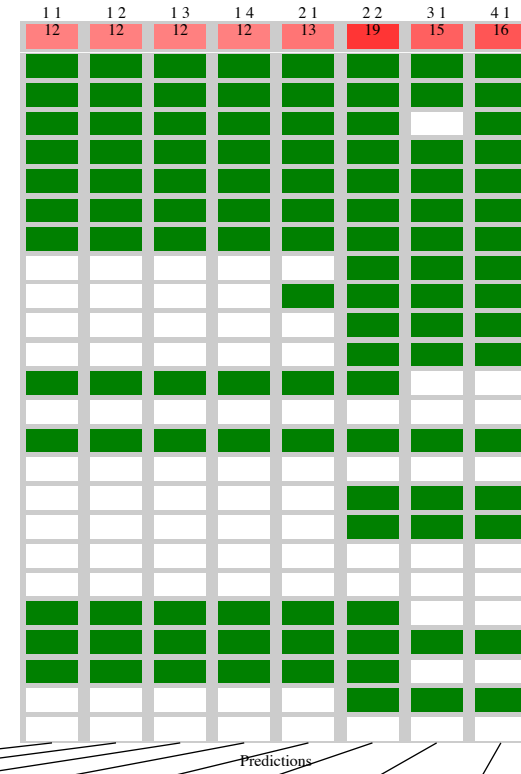
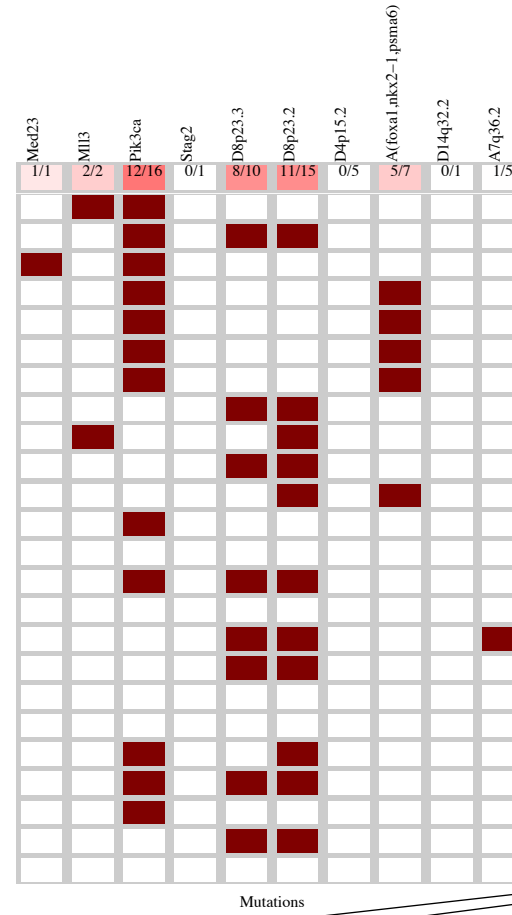
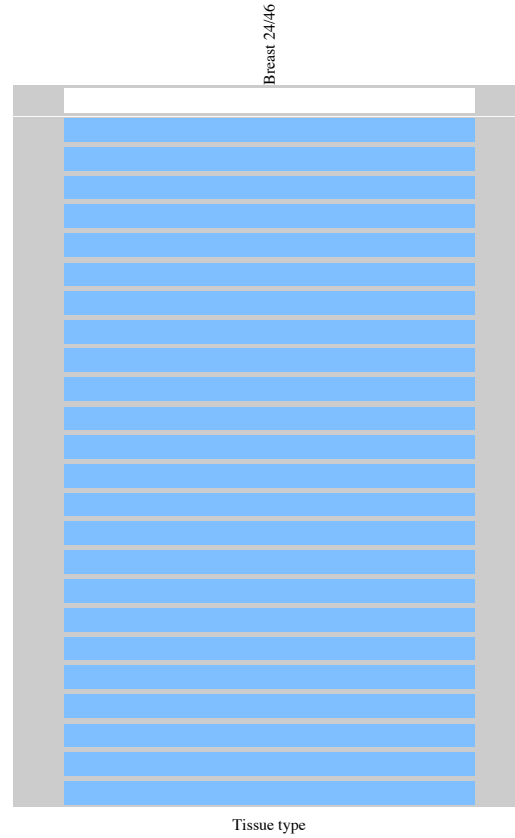
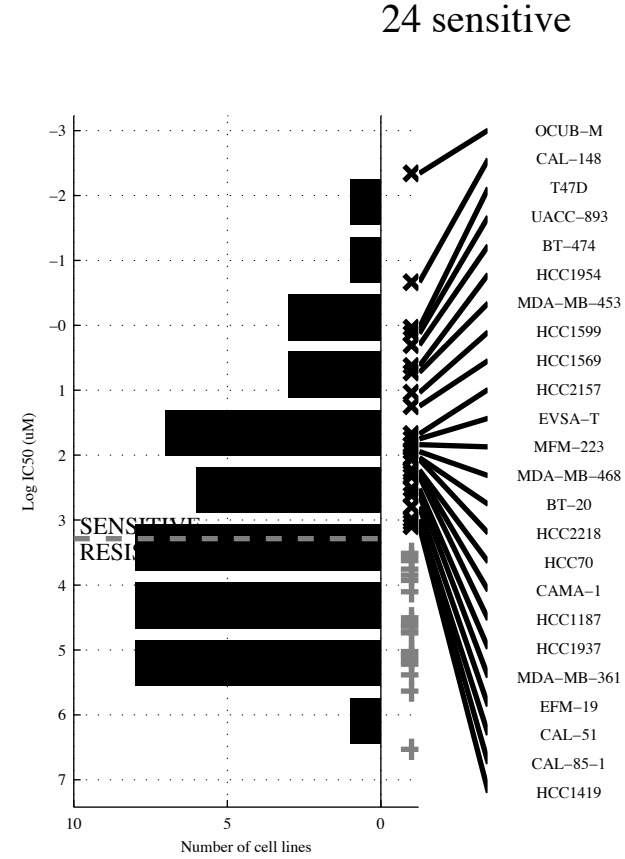
47 cell lines  
10 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>a1q21.</b>	<b>¬a(FOX &amp; a1q21.</b>	<b>¬BRCA &amp; a8q24. &amp; ¬a20q13</b>	<b>¬BRCA &amp; a(KRA &amp; a(RAD2 &amp; a(CRNK</b>	<b>CHD4   a1q21.</b>	<b>[ a8q24. &amp; d(SYNC)   [¬a(FOX &amp; a1q21. ]</b>	<b>CHD4   a1q21.   H2O2-D</b>	<b>CHD4   a1q21.   IL-1-U H2O2-D</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{4}{6} \mid \frac{5}{32}$ 0.86 0.44 0.4	$\frac{4}{6} \mid \frac{1}{36}$ 0.97 0.8 0.4	$\frac{4}{6} \mid \frac{1}{36}$ 0.97 0.8 0.4	$\frac{7}{3} \mid \frac{5}{32}$ 0.86 0.58 0.7	$\frac{5}{5} \mid \frac{5}{32}$ 0.86 0.5 0.5	$\frac{6}{4} \mid \frac{3}{34}$ 0.92 0.67 0.6	$\frac{7}{3} \mid \frac{6}{31}$ 0.84 0.54 0.7	$\frac{8}{2} \mid \frac{6}{31}$ 0.84 0.57 0.8

BRCA  
 id: 326 name: GSK690693  
 target: AKT class: PI3K signaling

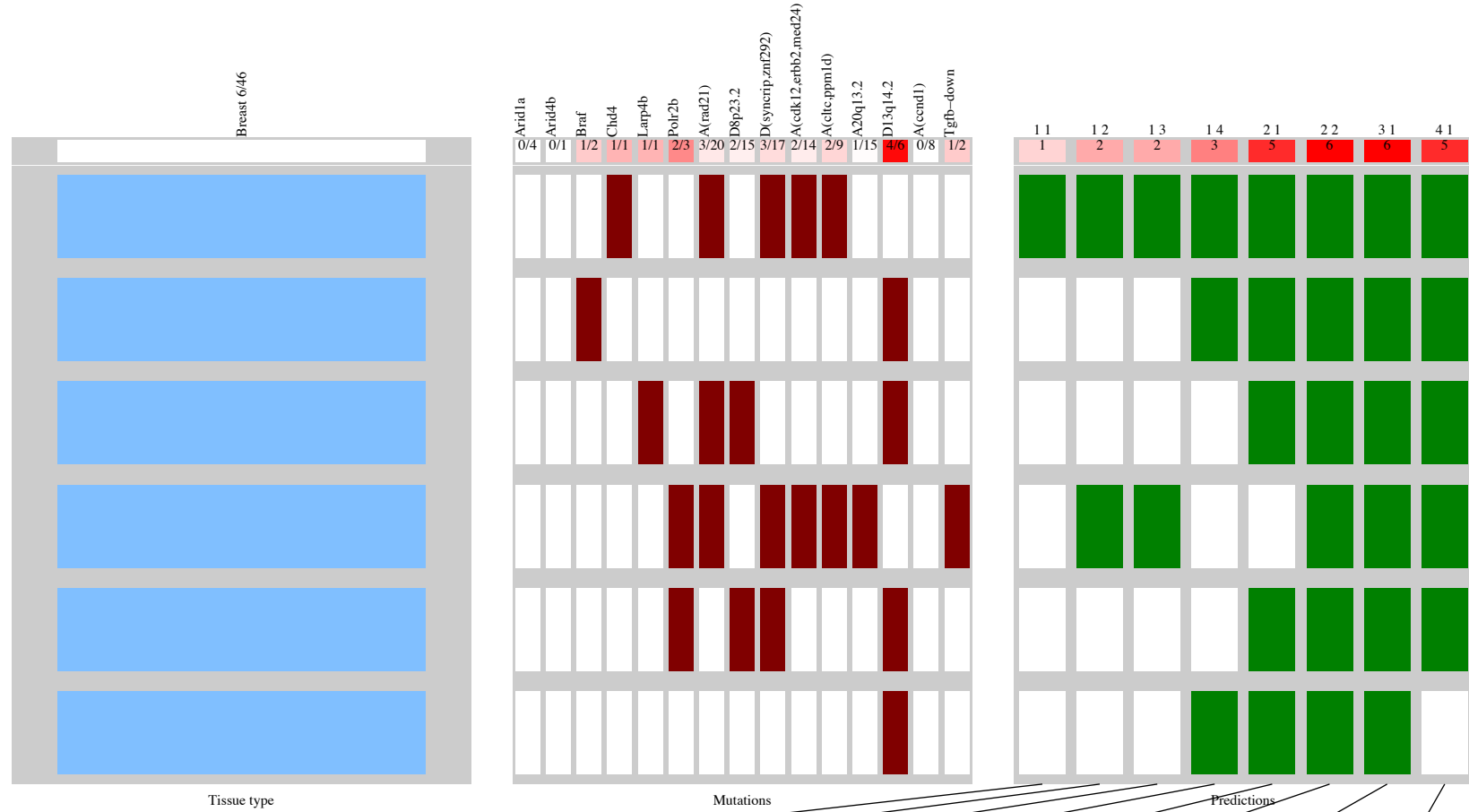
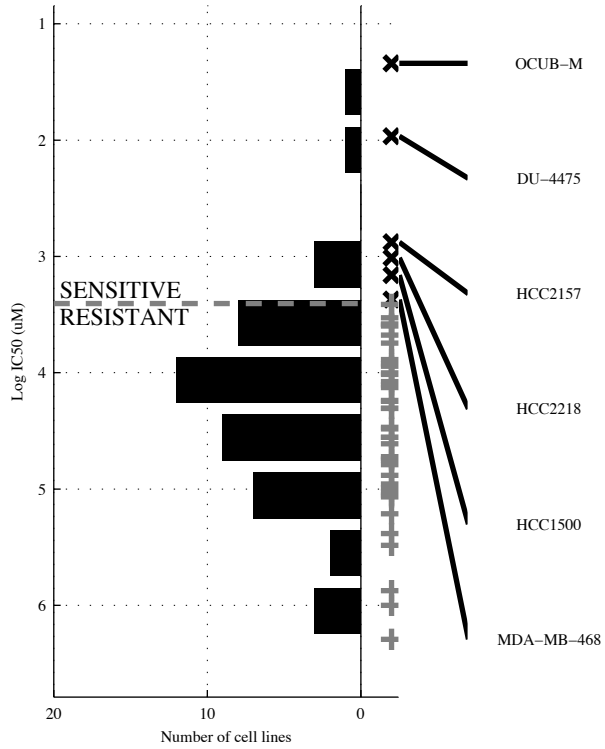
46 cell lines  
 24 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>PIK3CA</b>	<b>PIK3CA &amp; STAG2</b>	<b>PIK3CA &amp; STAG2 &amp; -a7q36.</b>	<b>PIK3CA &amp; STAG2 &amp; -d14q32 &amp; -a7q36.</b>	<b>MLL3   PIK3CA</b>	<b>[PIK3CA &amp; STAG2]   [ d8p23. &amp; -d4p15.]</b>	<b>MLL3   d8p23.   a(FOXA)</b>	<b>MED23   MLL3   d8p23.   a(FOXA)</b>
TP   FP Specificity	12   4 0.82	12   3 0.86	12   2 0.91	12   1 0.95	13   4 0.82	19   4 0.82	15   4 0.82	16   4 0.82
FN   TN Precision	12   18 0.75	12   19 0.8	12   20 0.86	12   21 0.92	11   18 0.76	5   18 0.83	9   18 0.79	8   18 0.8
Recall	0.5	0.5	0.5	0.5	0.54	0.79	0.63	0.67

BRCA  
 id: 329 name: QL-XI-92  
 target: DDR1 class: RTK signaling

46 cell lines  
 6 sensitive

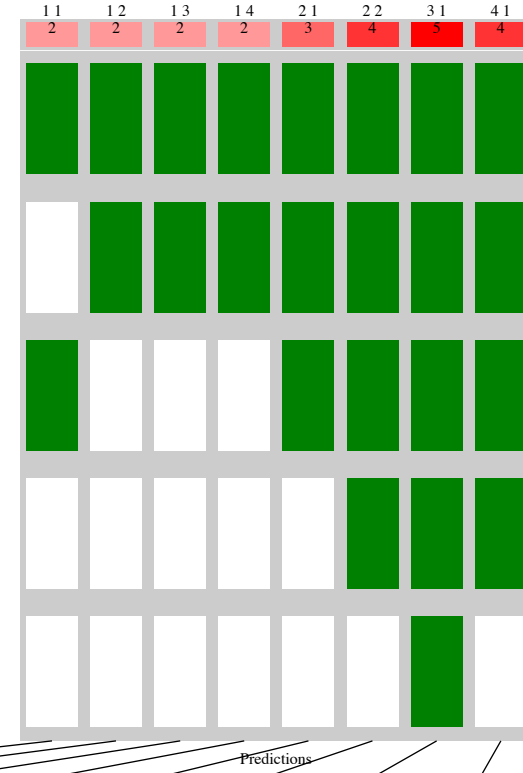
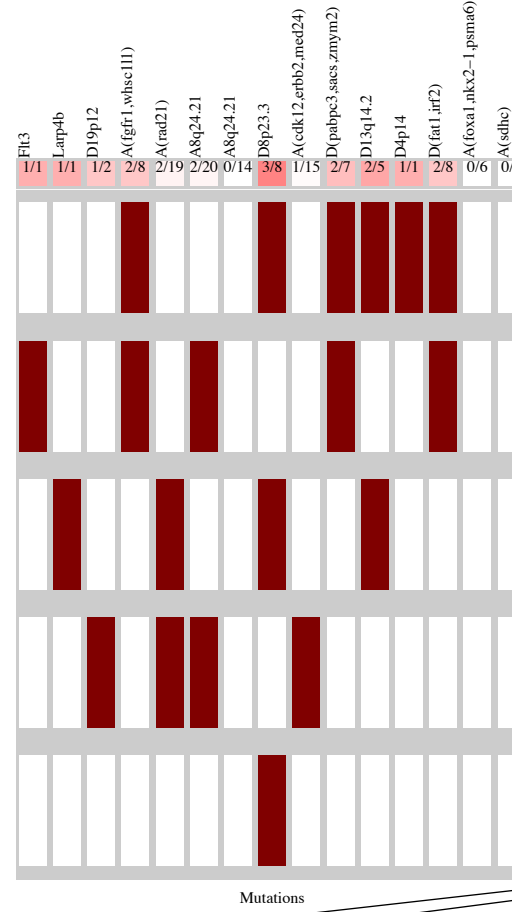
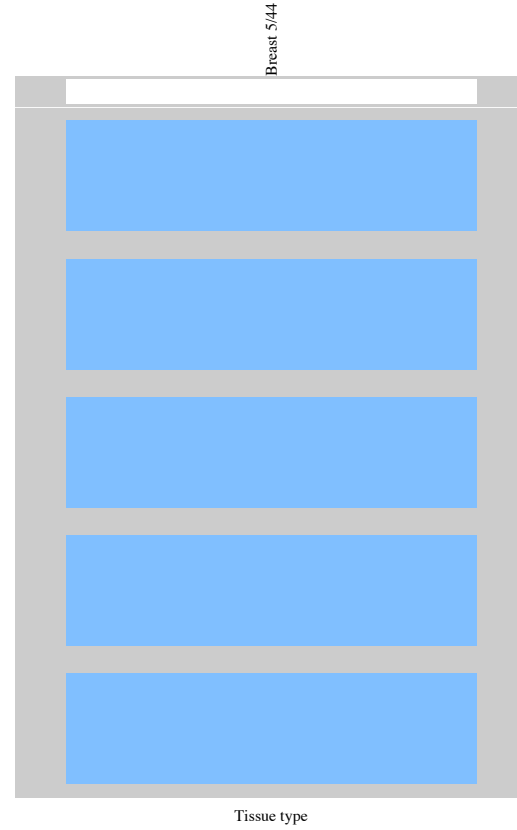
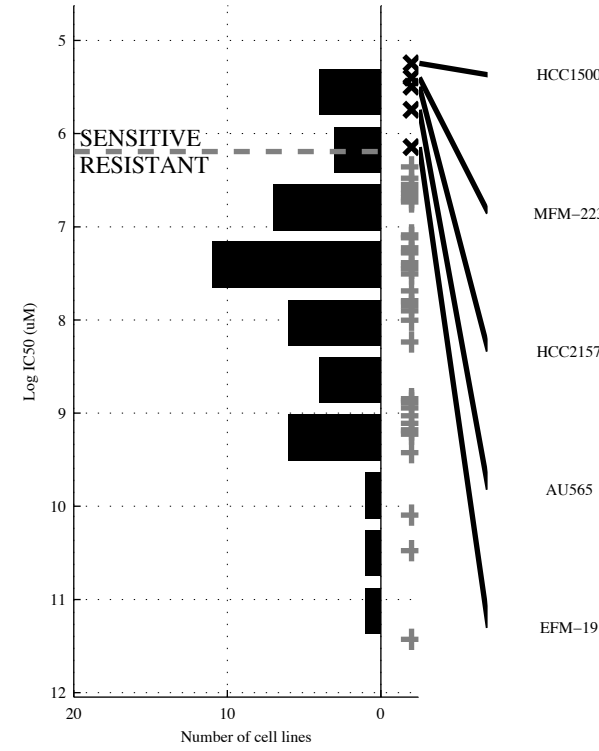


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>CHD4</b>	<b>d(SYNC&amp;a(CDK1</b>	<b>a(RAD2&amp;d(SYNC&amp;</b>	<b>-ARID1&amp;-d8p23.&amp;</b>	<b>CHD4   d13q14</b>	<b>[ARID4&amp;d13q14 ]</b>	<b>CHD4   d13q14  </b>	<b>BRAF   CHD4  </b>
			<b>a(CLTC</b>	<b>-a20q13&amp;a(CCND</b>		<b>[d(SYNC&amp;a(CDK1 ]</b>	<b>TGFB-D</b>	<b>LARP4BIPOLR2B</b>
TP   FP	1   0	2   1	2   0	3   8	5   2	6   2	6   2	5   2
Specificity	1	0.97	1	0.8	0.95	0.95	0.95	0.95
FN   TN	5   40	4   39	4   40	3   32	1   38	0   38	0   38	1   38
Precision	1	0.67	1	0.27	0.71	0.75	0.75	0.71
Recall	0.17	0.33	0.33	0.5	0.83	1	1	0.83



BRCA  
 id: 1001 name: AICAR  
 target: AAPK1 (AMPK) agonist class: metabolism

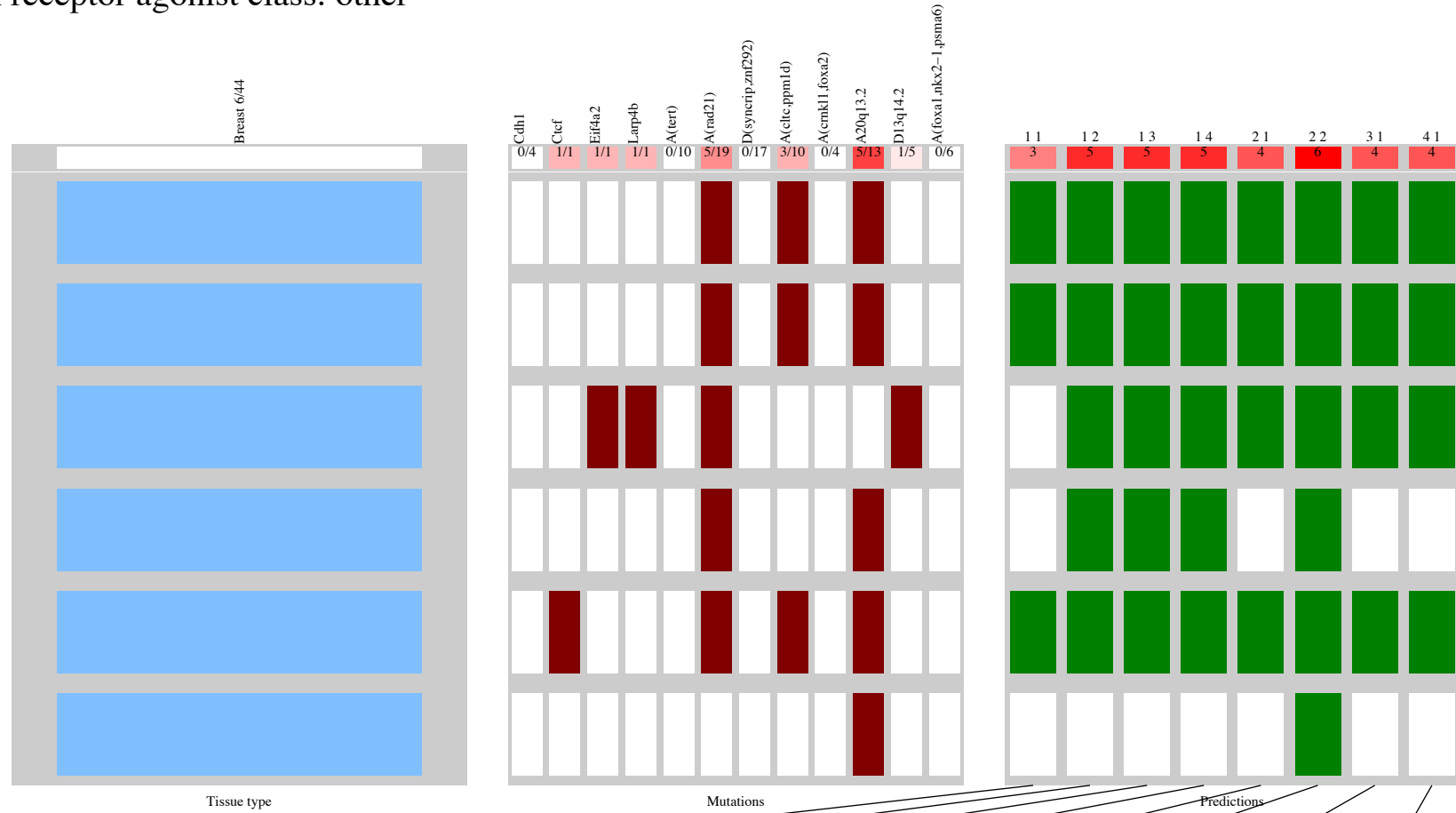
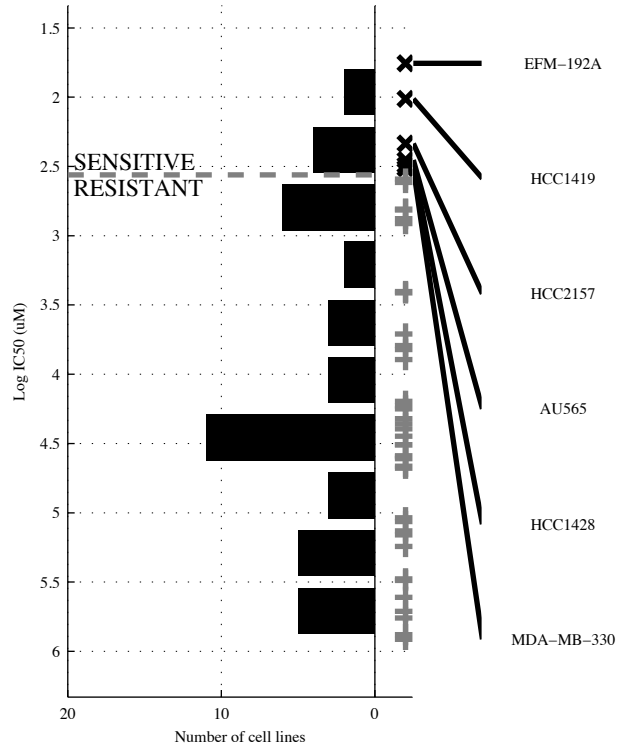
44 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d13q14</b>	<b>a(FGFR&amp;d(FAT1</b>	<b>d(PABP&amp;d(FAT1&amp;</b> <b>¬a(SDHC</b>	<b>a(FGFR&amp;a(RAD&amp;</b> <b>¬a(CDK&amp;a(FOXA</b>	<b>FLT3   d13q14</b>	<b>[ d8p23. &amp;d13q14 ]</b> <b> </b> <b>[ a8q24. &amp;¬a8q24. ]</b>	<b>FLT3   d19p12  </b> <b>d8p23.</b>	<b>FLT3  LARP4B </b> <b>d19p12   d4p14</b>
TP   FP Specificity	2   3 0.92	2   1 0.97	2   0 1	2   0 1	3   3 0.92	4   4 0.9	5   5 0.87	4   1 0.97
FN   TN Precision	3   36 0.4	3   38 0.67	3   39 1	3   39 1	2   36 0.5	1   35 0.5	0   34 0.5	1   38 0.8
Recall	0.4	0.4	0.4	0.4	0.6	0.8	1	0.8

BRCA  
 id: 1009 name: ATRA  
 target: Retinoic acid and retinoid X receptor agonist class: other

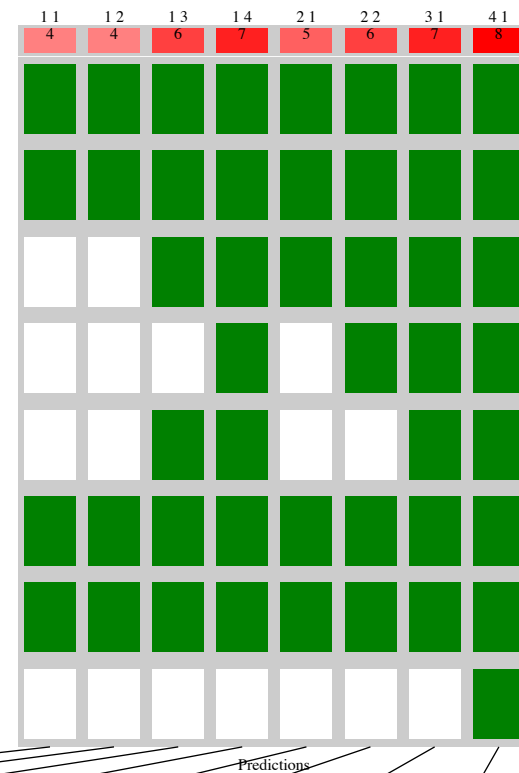
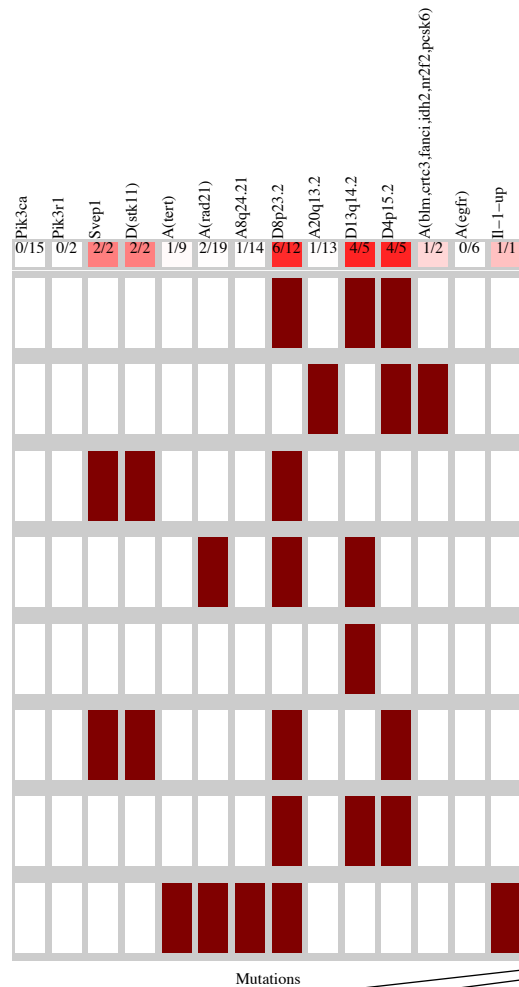
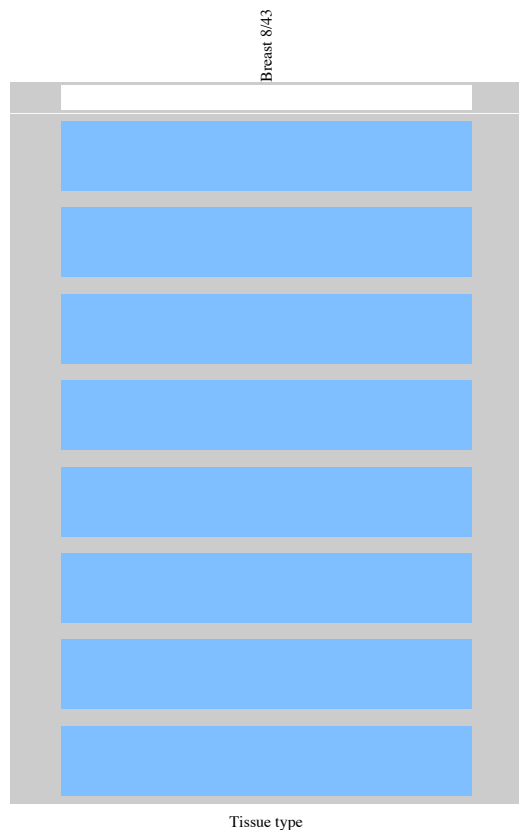
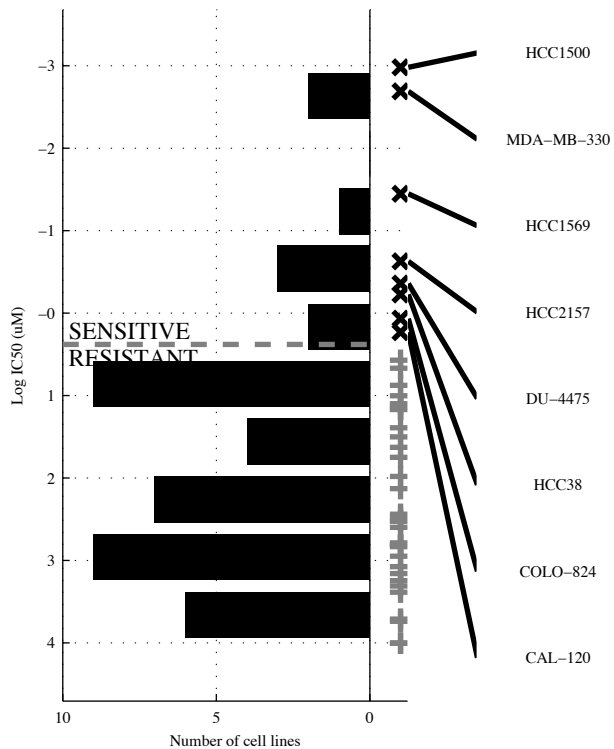
44 cell lines  
 6 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	M		M		M		M		M		M		M		M	
Logic formula	<b>a(CLTC)</b>		<b>¬a(TERT) &amp; a(RAD2)</b>		<b>¬a(TERT) &amp; a(RAD2) &amp; ¬a(CRNK)</b>		<b>¬CDH1 &amp; a(TERT) &amp; a(RAD2) &amp; d(SYNC)</b>		<b>EIF4A2   a(CLTC)</b>		<b>[ a20q13 &amp; a(FOXA)   a(RAD2 &amp; d13q14 ]</b>		<b>CTCF   EIF4A2   a(CLTC)</b>		<b>LARP4B   a(CLTC)  </b>	
Specificity	3	7	5	6	5	3	5	0	4	7	6	4	4	7	4	7
Precision	3	31	1	32	1	35	1	38	2	31	0	34	2	31	2	31
Recall	0.82	0.3	0.84	0.45	0.92	0.63	0.83	1	0.82	0.36	0.89	0.6	0.82	0.36	0.67	0.82
		0.5		0.83		0.83		0.83		0.67		1		0.67		0.67

BRCA  
 id: 1011 name: ABT-263  
 target: BCL2, BCL2L1, BCL2L2 class: apoptosis regulation

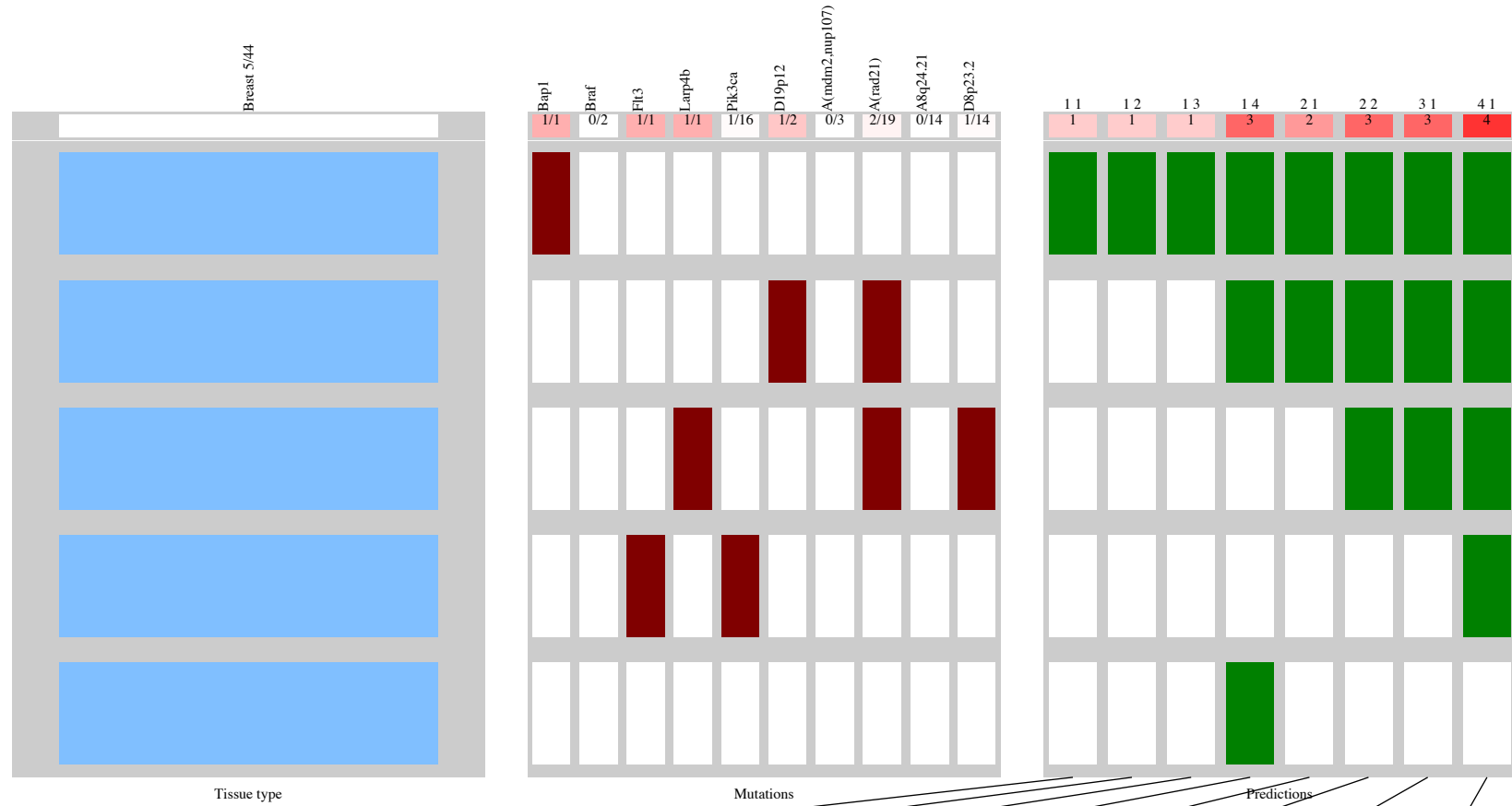
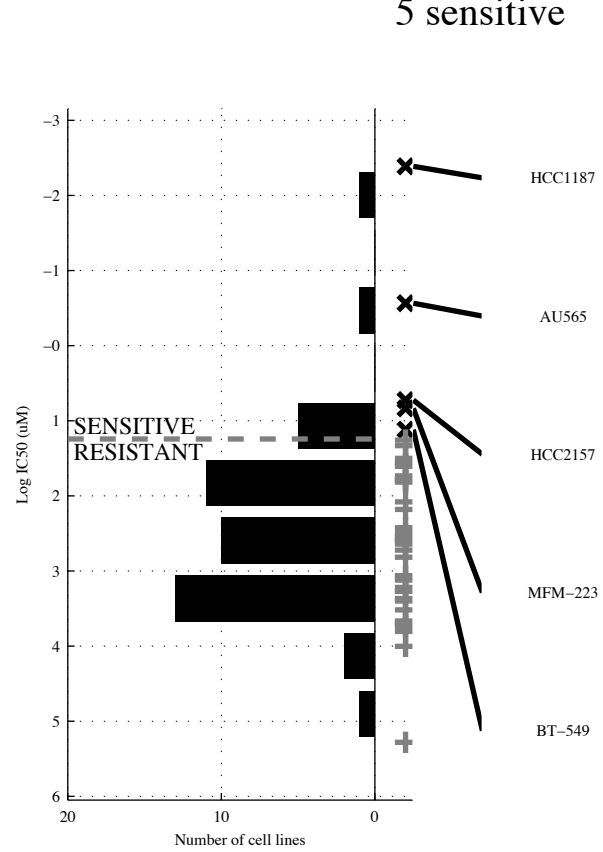
43 cell lines  
 8 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d4p15.</b>	<b>¬PIK3C&amp; d4p15.</b>	<b>¬PIK3C&amp;a(RAD&amp; ¬a(EGFR</b>	<b>¬PIK3C&amp;PIK3R&amp; ¬a8q24.&amp;a(EGFR</b>	<b>SVEP1   d4p15.</b>	<b>[¬a(TERT&amp; d8p23. ]   [ a20q13&amp;a(BLM, ]</b>	<b>SVEP1   d13q14   a(BLM,</b>	<b>d(STK1   d13q14   a(BLM,   IL-1-U</b>
TP   FP	4   1	4   0	6   6	7   7	5   1	6   3	7   2	8   2
Specificity	0.97	1	0.83	0.8	0.97	0.91	0.94	0.94
FN   TN	4   34	4   35	2   29	1   28	3   34	2   32	1   33	0   33
Precision	0.8	1	0.5	0.5	0.83	0.67	0.78	0.8
Recall	0.5	0.5	0.75	0.88	0.63	0.75	0.88	1

BRCA  
 id: 1023 name: GW 441756  
 target: NTRK1 class: RTK signaling

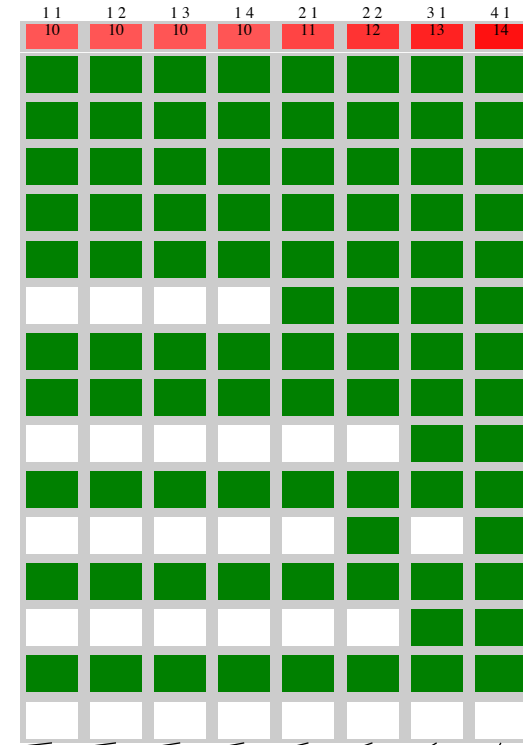
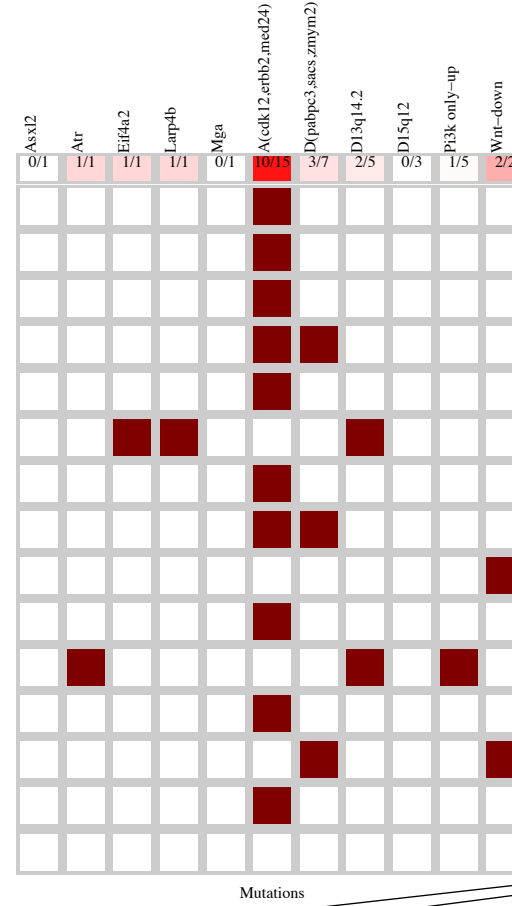
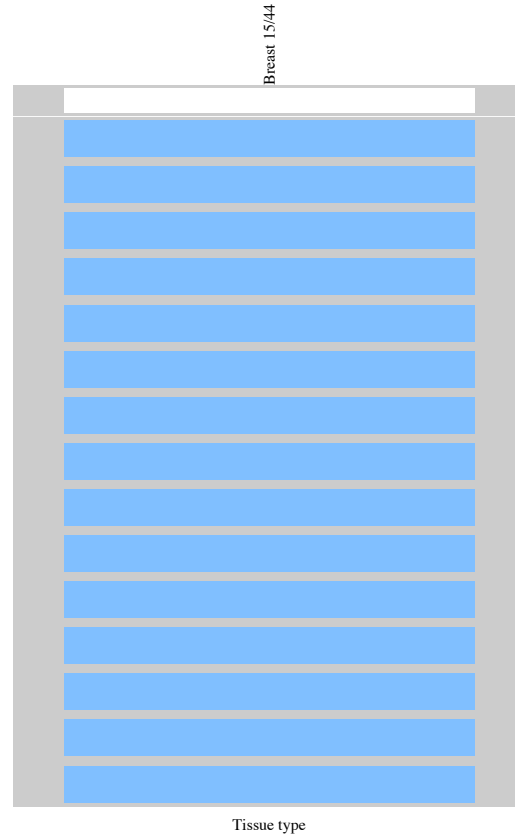
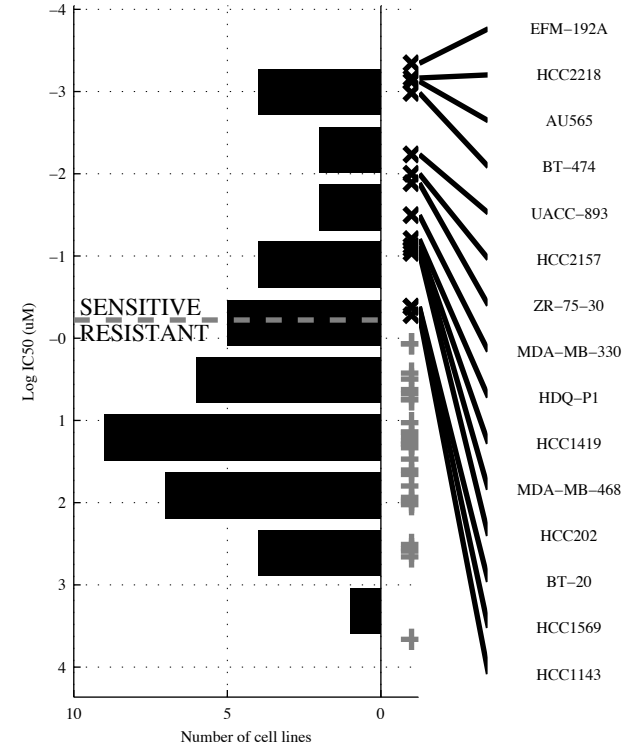
44 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>BAP1</b>	<b>BAP1 &amp;</b>	<b>BAP1 &amp; &amp;</b>	<b>~BRAF&amp;PIK3CA&amp; ~a8q24.&amp;~d8p23.</b>	<b>BAP1   d19p12</b>	<b>[ BAP1 &amp;a(MDM2)   [ a(RAD2&amp;~a8q24.) ]</b>	<b>BAP1  LARP4B  d19p12</b>	<b>BAP1   FLT3   LARP4B  d19p12</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{4} \mid \frac{0}{39}$ 1 0.2	$\frac{1}{4} \mid \frac{0}{39}$ 1 0.2	$\frac{1}{4} \mid \frac{0}{39}$ 1 0.2	$\frac{3}{2} \mid \frac{7}{32}$ 0.82 0.3 0.6	$\frac{2}{3} \mid \frac{1}{38}$ 0.97 0.67 0.4	$\frac{3}{2} \mid \frac{3}{36}$ 0.92 0.5 0.6	$\frac{3}{2} \mid \frac{1}{38}$ 0.97 0.75 0.6	$\frac{4}{1} \mid \frac{1}{38}$ 0.97 0.8

BRCA  
 id: 1032 name: Afatinib  
 target: ERBB2, EGFR class: EGFR signaling

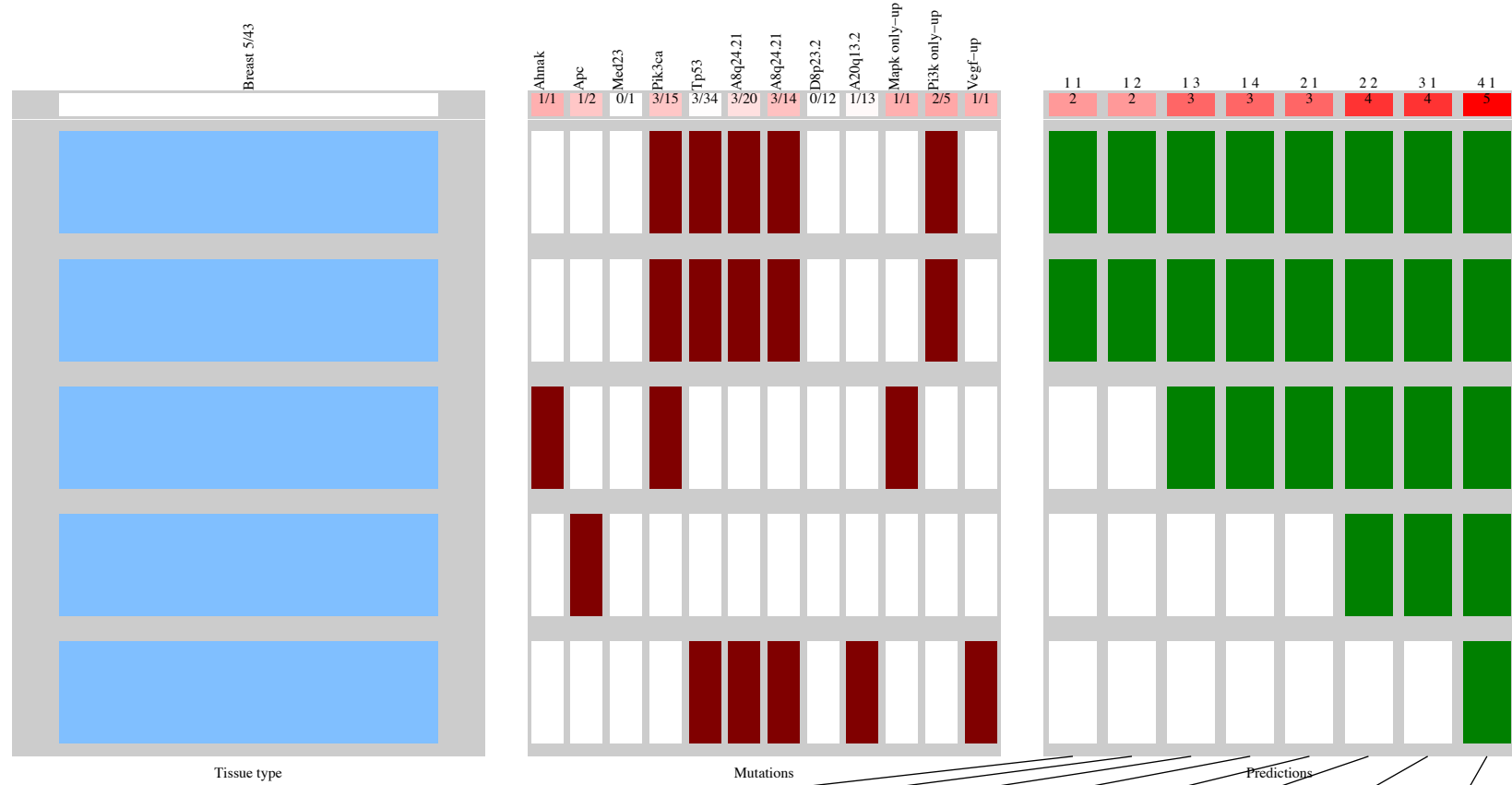
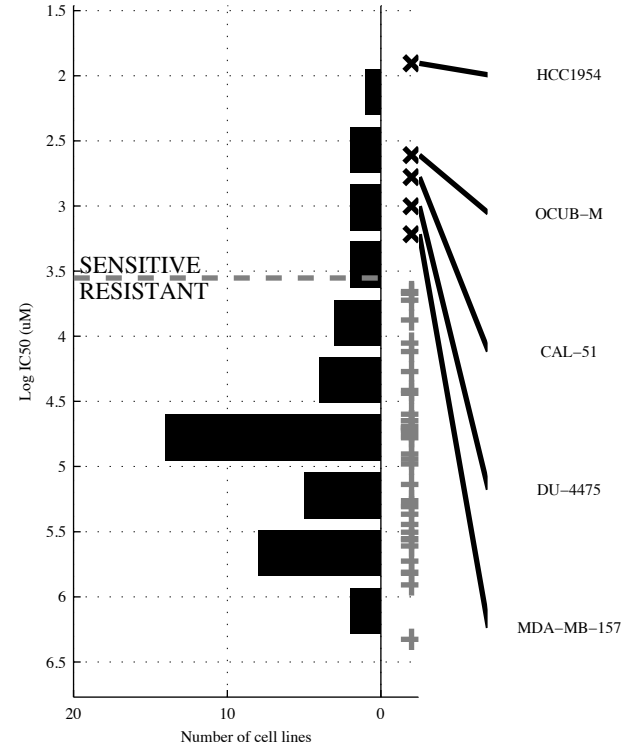
44 cell lines  
 15 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a(CDK1)</b>	<b>a(CDK1 &amp; ~PI3K o)</b>	<b>~ASXL2 &amp; a(CDK1 &amp; ~PI3K o)</b>	<b>~MGA &amp; a(CDK1 &amp; ~d15q12 &amp; ~PI3K o)</b>	<b>EIF4A2   a(CDK1)</b>	<b>[ a(CDK1 &amp; ~PI3K o)   ~d(PAB1 &amp; d13q14) ]</b>	<b>LARP4B   a(CDK1)   Wnt-DO</b>	<b>ATR   EIF4A2   a(CDK1)   Wnt-DO</b>
TP   FP	10   5	10   3	10   2	10   1	11   5	12   4	13   5	14   5
Specificity	0.83	0.9	0.93	0.97	0.83	0.86	0.83	0.83
FN   TN	5   24	5   26	5   27	5   28	4   24	3   25	2   24	1   24
Precision	0.67	0.77	0.83	0.91	0.69	0.75	0.72	0.74
Recall	0.67	0.67	0.67	0.67	0.73	0.8	0.87	0.93

BRCA  
 id: 1039 name: SL 0101-1  
 target: RSK, AURKB, PIM3 class: ERK MAPK signaling

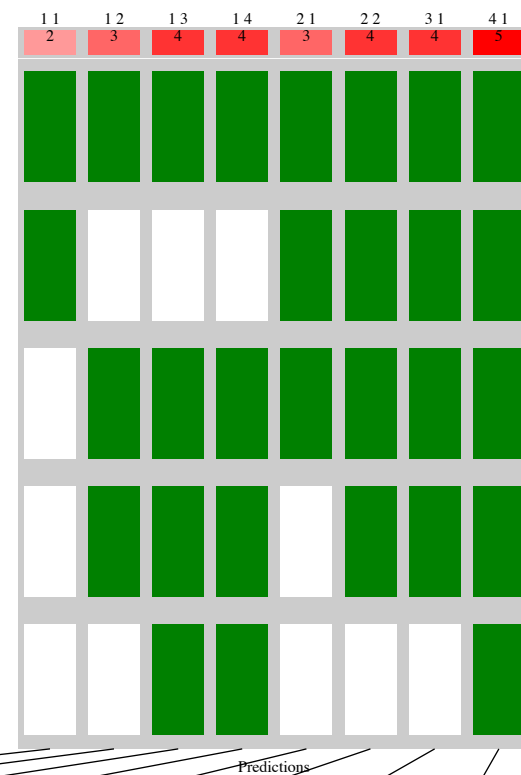
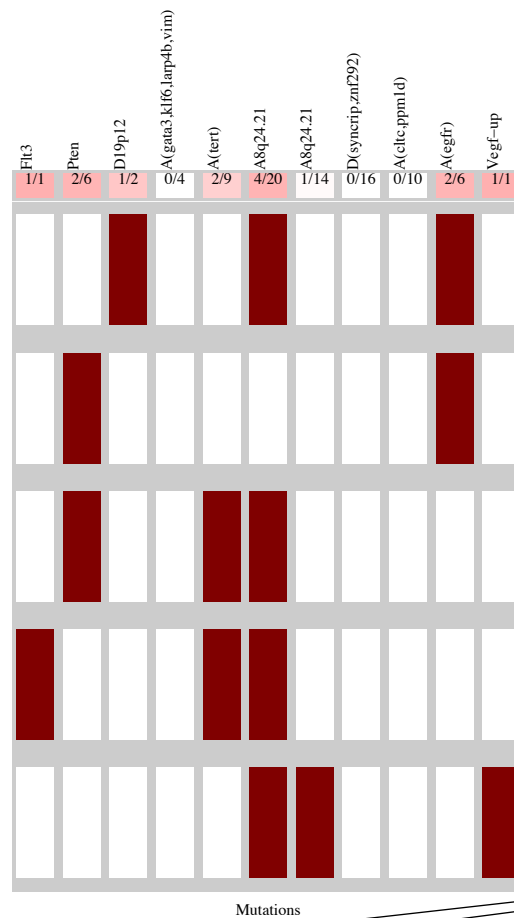
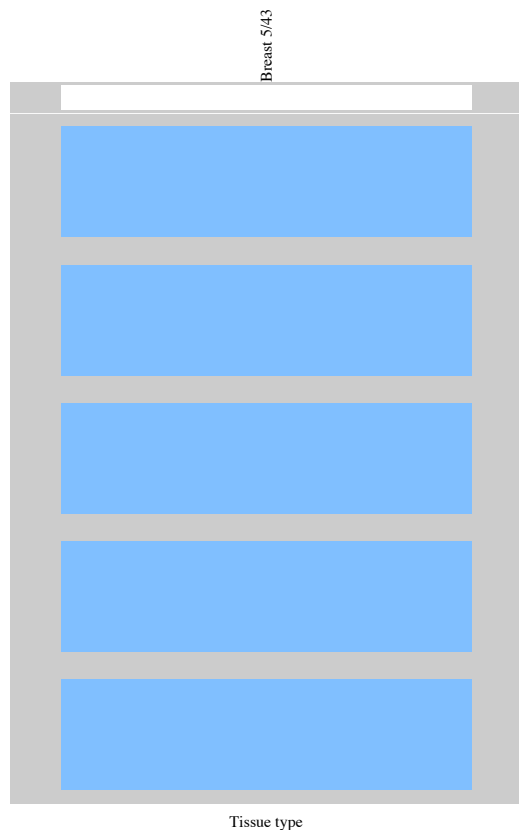
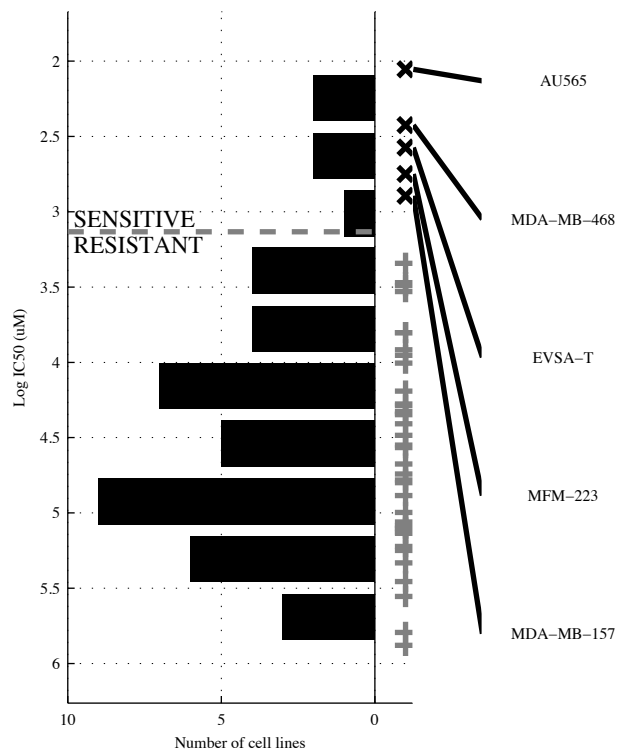
43 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>PI3K o</b>	<b>PIK3CA &amp; PI3K o</b>	<b>PIK3CA &amp; -d8p23 &amp; -a20q13</b>	<b>-MED23 &amp; PIK3CA &amp; -d8p23 &amp; -a20q13</b>	<b>AHNAK   PI3K o</b>	[ <b>-TP53 &amp; -a8q24.</b> ]   [ <b>a8q24. &amp; PI3K o</b> ]	<b>AHNAK   APC   PI3K o</b>	<b>APC   MAPK o   PI3K o   VEGF-U</b>
TP   FP Specificity	2   3 0.92	2   0 1	3   4 0.89	3   3 0.92	3   3 0.92	4   2 0.95	4   4 0.89	5   4 0.89
FN   TN Precision	3   35 0.4	3   38 1	2   34 0.43	2   35 0.5	2   35 0.5	1   36 0.67	1   34 0.5	0   34 0.56
Recall	0.4	0.4	0.6	0.6	0.6	0.8	0.8	1

BRCA  
 id: 1042 name: BIRB 0796  
 target: p38, JNK2 class: JNK and p38 signaling

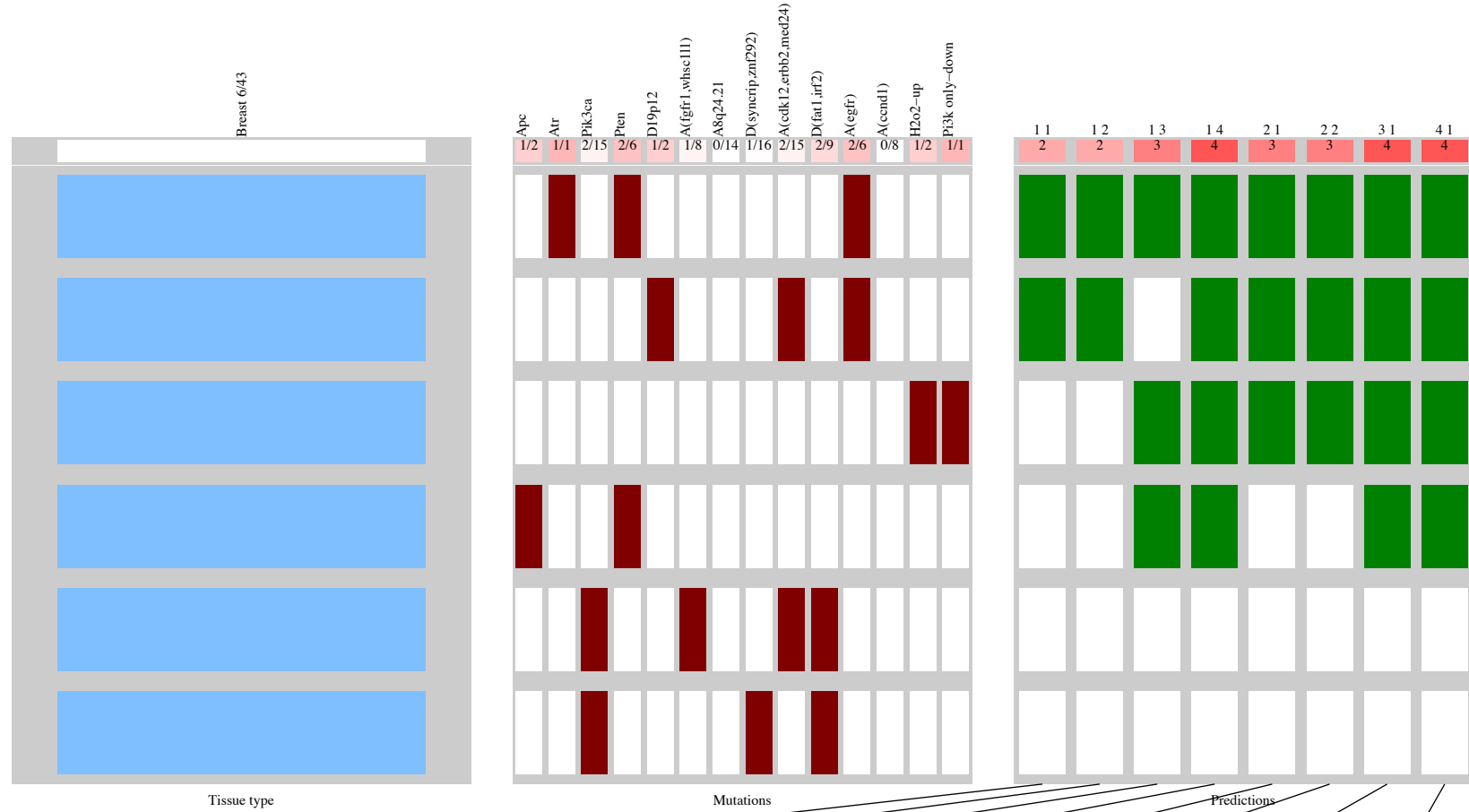
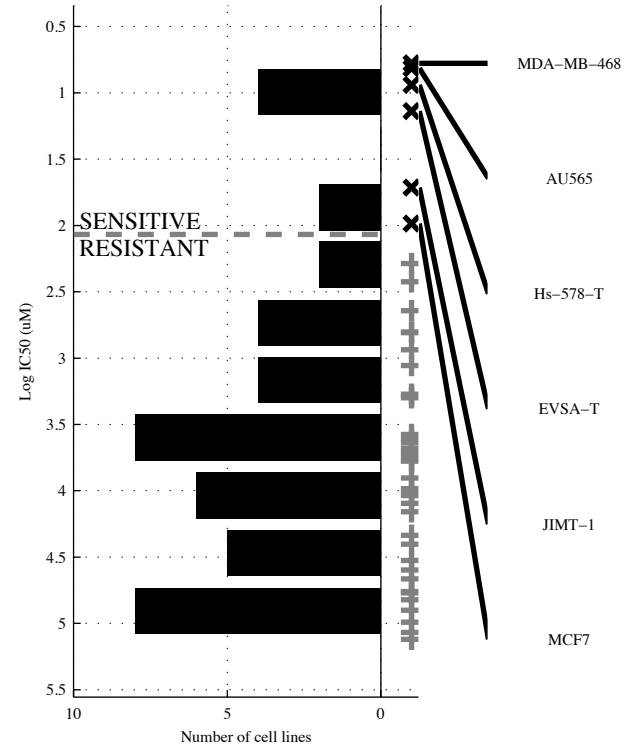
43 cell lines  
 5 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>a(EGFR)</b>		<b>a8q24. &amp; ¬a8q24.</b>		<b>a8q24. &amp; d(SYNG&amp;</b>		<b>¬a(GAT&amp; a8q24. &amp;</b>		<b>PTEN   d19p12</b>		<b>[ a(TERT&amp;¬a8q24. ]</b>		<b>FLT3   PTEN  </b>		<b>FLT3   PTEN  </b>	
					<b>¬a(CLTC</b>		<b>¬d(SYNG&amp;a(CLTC</b>				<b>[¬d(SYNG&amp;a(EGFR]</b>		<b>d19p12</b>		<b>d19p12 IVEGF-U</b>	
TP   FP Specificity	2   4	0.89	3   3	0.92	4   4	0.89	4   2	0.95	3   5	0.87	4   3	0.92	4   5	0.87	5   5	0.87
FN   TN Precision	3   34	0.33	2   35	0.5	1   34	0.5	1   36	0.67	2   33	0.38	1   35	0.57	1   33	0.44	0   33	0.5
Recall	0.4		0.6		0.8		0.8		0.6		0.8		0.8		1	

BRCA  
 id: 1052 name: RO-3306  
 target: CDK1 class: cell cycle

43 cell lines  
 6 sensitive

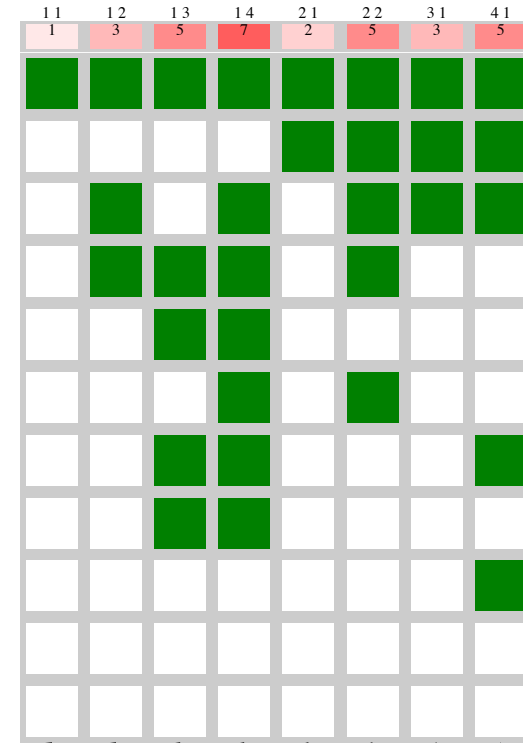
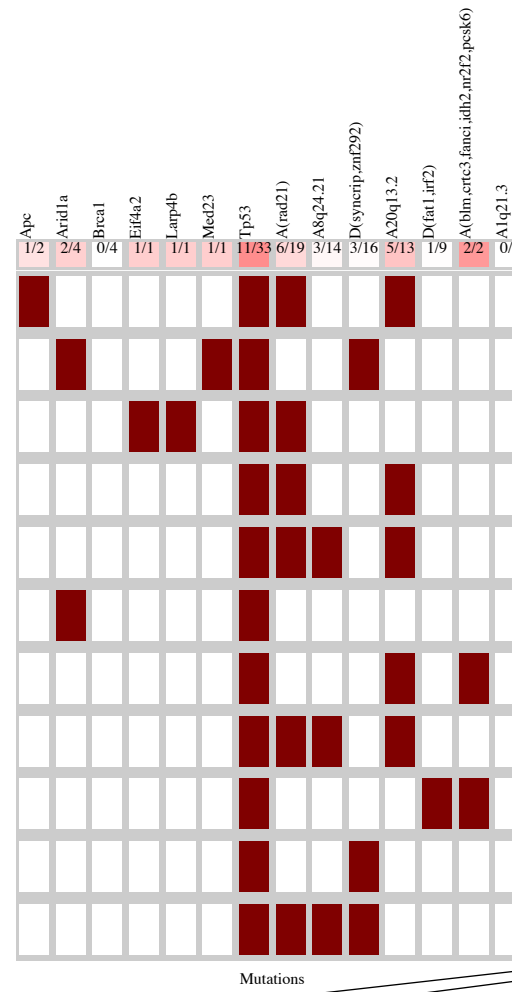
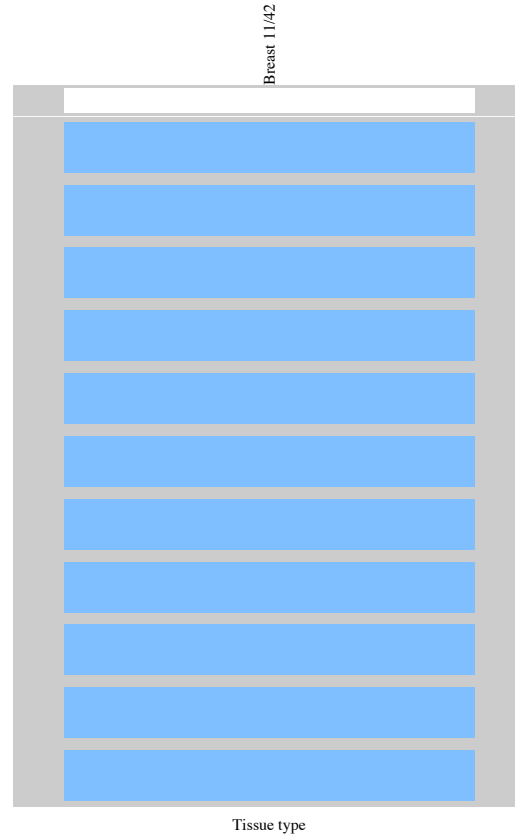
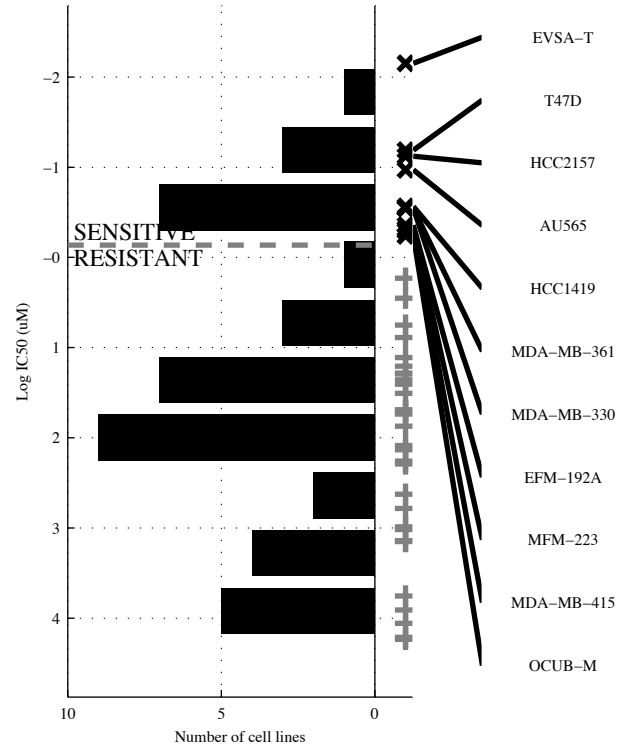


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>a(EGFR)</b>	<b>~a8q24.&amp;a(EGFR)</b>	<b>~d(SYNC&amp;a(CDK&amp;</b> <b>~d(FAT1)</b>	<b>~PIK3C&amp;~a8q24.&amp;</b> <b>~d(SYNC&amp;~d(FAT1)</b>	<b>a(EGFR   PI3K o</b>	<b>[~a(FGFR&amp;H2O2-U]</b> <b> </b> <b>[a(EGFR&amp;a(CCND]</b>	<b>PTEN   d19p12  </b> <b>PI3K o</b>	<b>APC   ATR  </b> <b>d19p12   PI3K o</b>
TP   FP Specificity	2   4 0.89	2   2 0.95	3   7 0.81	4   6 0.84	3   4 0.89	3   2 0.95	4   5 0.86	4   2 0.95
FN   TN Precision	4   33 0.33	4   35 0.5	3   30 0.3	2   31 0.4	3   33 0.43	3   35 0.6	2   32 0.44	2   35 0.67
Recall	0.33	0.33	0.5	0.67	0.5	0.5	0.67	0.67



BRCA  
 id: 1053 name: MK-2206  
 target: AKT1, AKT2 class: PI3K signaling

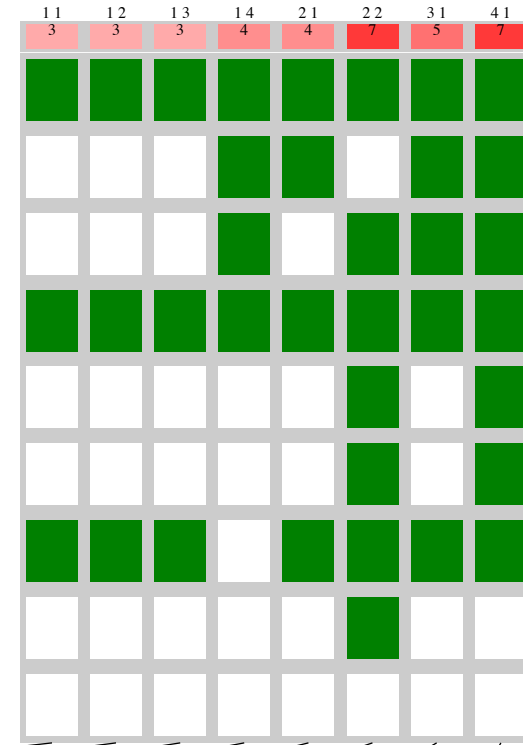
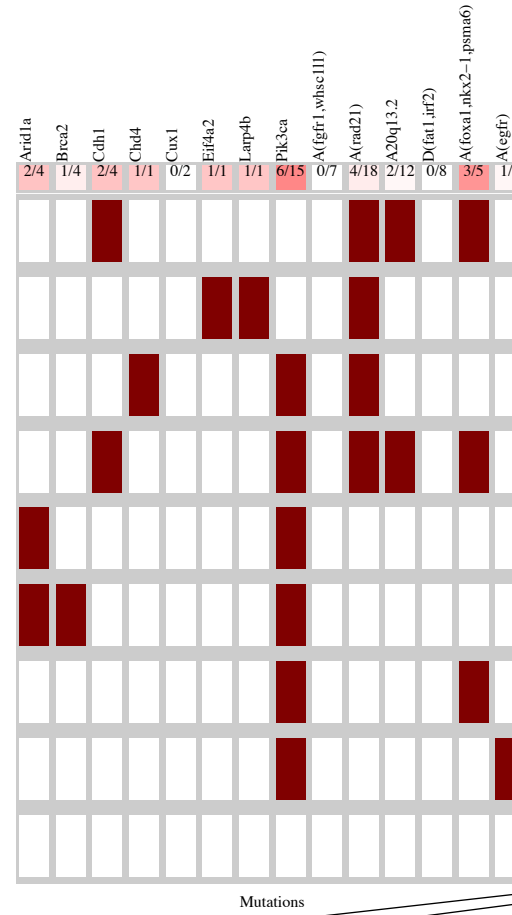
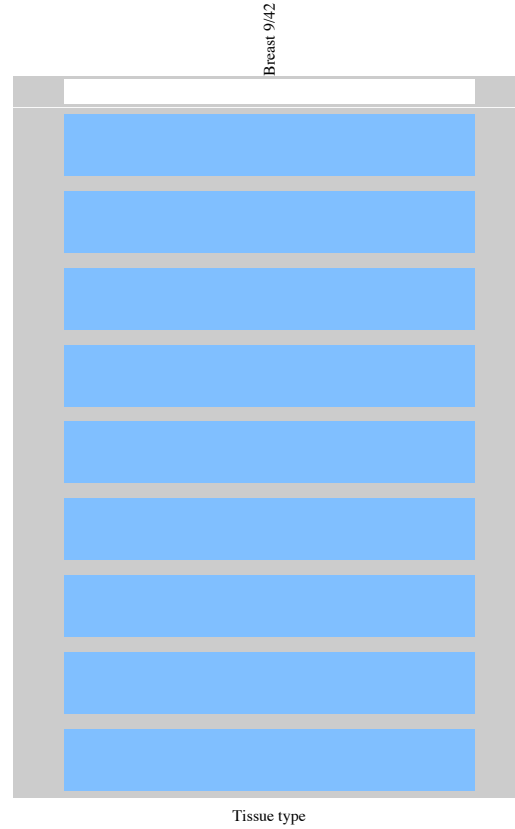
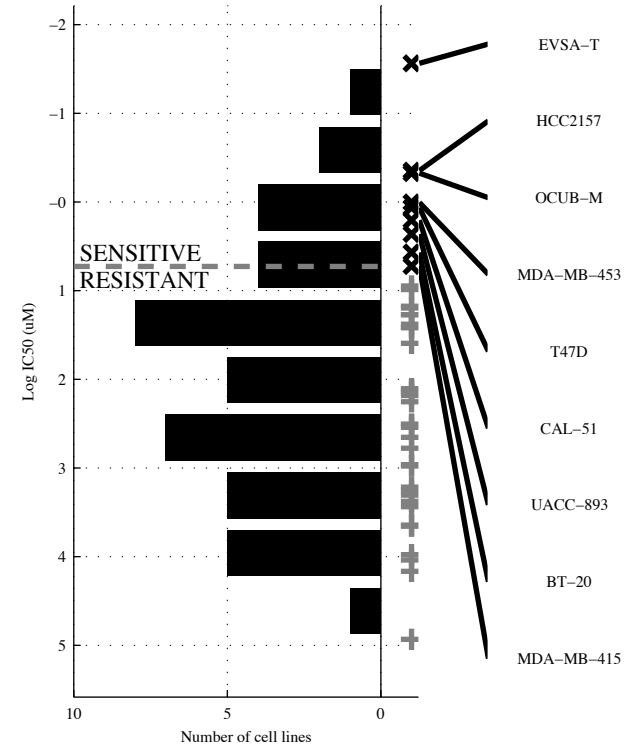
42 cell lines  
 11 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>APC</b>	<b>a(RAD2&amp;-a8q24.</b>	<b>a20q13&amp;-d(FAT&amp;</b> <b>-a1q21.</b>	<b>-BRCA&amp; TP53 &amp;</b> <b>-d(SYN&amp;-d(FAT1</b>	<b>APC   MED23</b>	<b>[ a(RAD2&amp;-a8q24. ]</b> <b> </b> <b>[ ARID1A&amp; TP53 ]</b>	<b>APC   EIF4A2  </b> <b>MED23</b>	<b>APC   LARP4B </b> <b>MED23   a(BLM,</b>
TP   FP	1   1	3   2	5   1	7   4	2   1	5   2	3   1	5   1
Specificity	0.97	0.94	0.97	0.87	0.97	0.94	0.97	0.97
FN   TN	10   30	8   29	6   30	4   27	9   30	6   29	8   30	6   30
Precision	0.5	0.6	0.83	0.64	0.67	0.71	0.75	0.83
Recall	0.091	0.27	0.45	0.64	0.18	0.45	0.27	0.45

BRCA  
id: 1066 name: AZD6482  
target: PI3Kbeta class: PI3K signaling

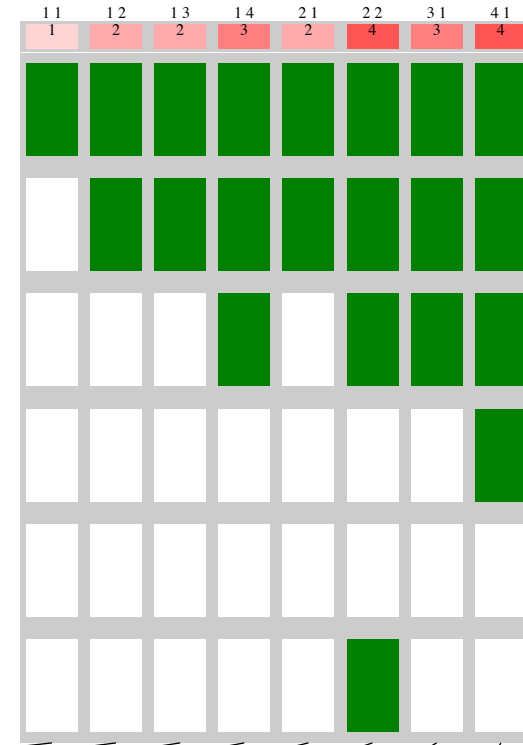
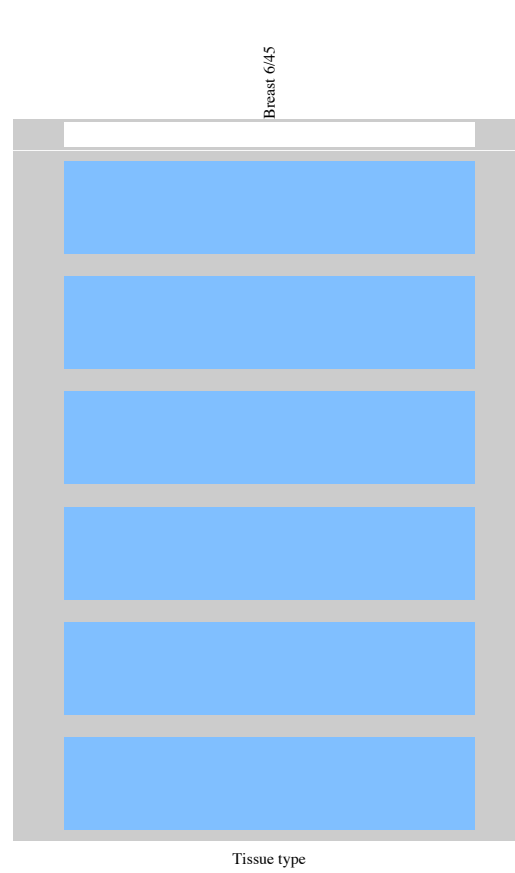
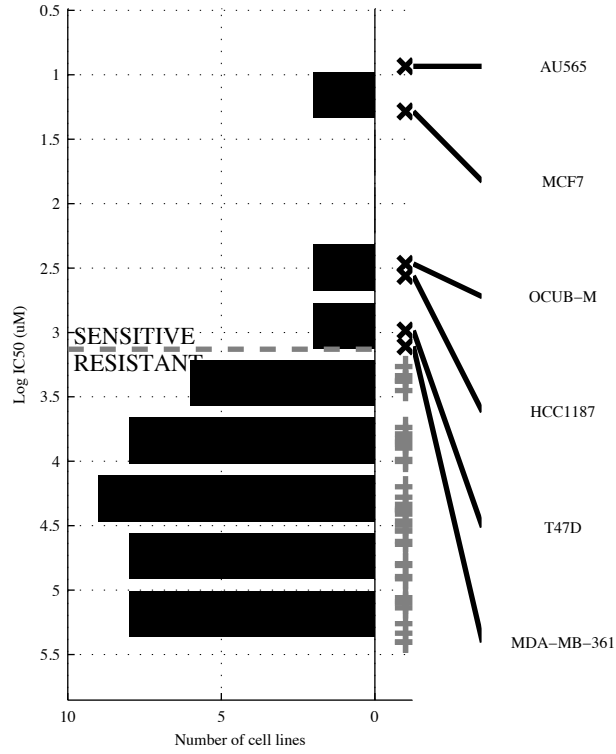
42 cell lines  
9 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>a(FOXA)</b>		<b>~CUX1 &amp; a(FOXA)</b>		<b>~BRCA2 &amp; a(FGFR)</b> <b>a(FOXA)</b>		<b>~a(FGFR) &amp; a(RAD21)</b> <b>~d(FAT1) &amp; a(EGFR)</b>		<b>LARP4B   a(FOXA)</b>		<b>[ CDH1 &amp; a(FOXA) ]</b> <b> </b> <b>[ PIK3CA &amp; ~a20q13 ]</b>		<b>CHD4   EIF4A2  </b> <b>a(FOXA)</b>		<b>ARID1A   CHD4  </b> <b>EIF4A2   a(FOXA)</b>	
TP   FP Specificity	3   2	0.94	3   1	0.97	3   0	1	4   5	0.85	4   2	0.94	7   5	0.85	5   2	0.94	7   4	0.88
FN   TN Precision	6   31	0.6	6   32	0.75	6   33	1	5   28	0.44	5   31	0.67	2   28	0.58	4   31	0.71	2   29	0.64
Recall		0.33		0.33		0.33		0.44		0.44		0.78		0.56		0.78

BRCA  
 id: 1067 name: CCT007093  
 target: PPM1D class: other

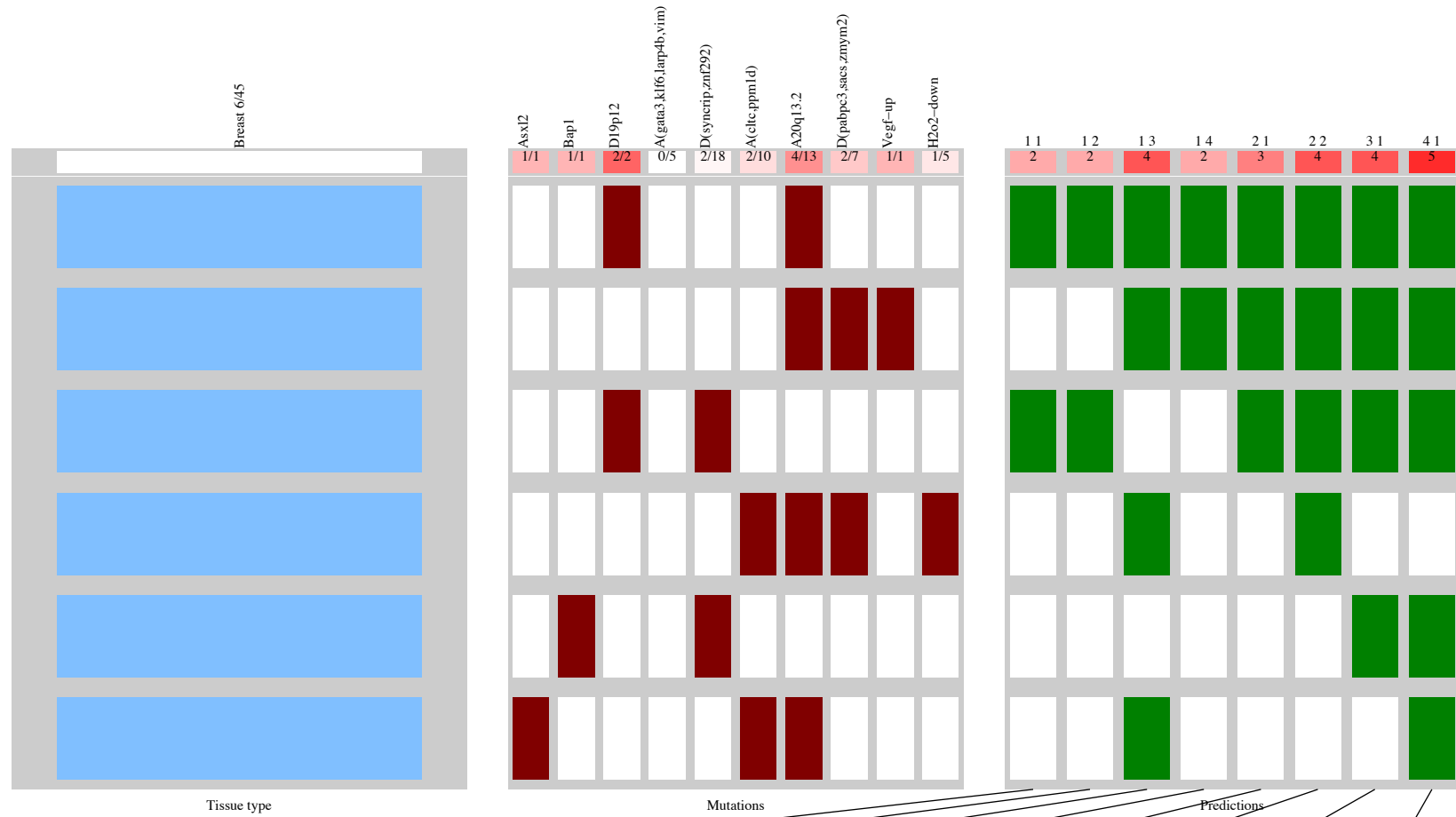
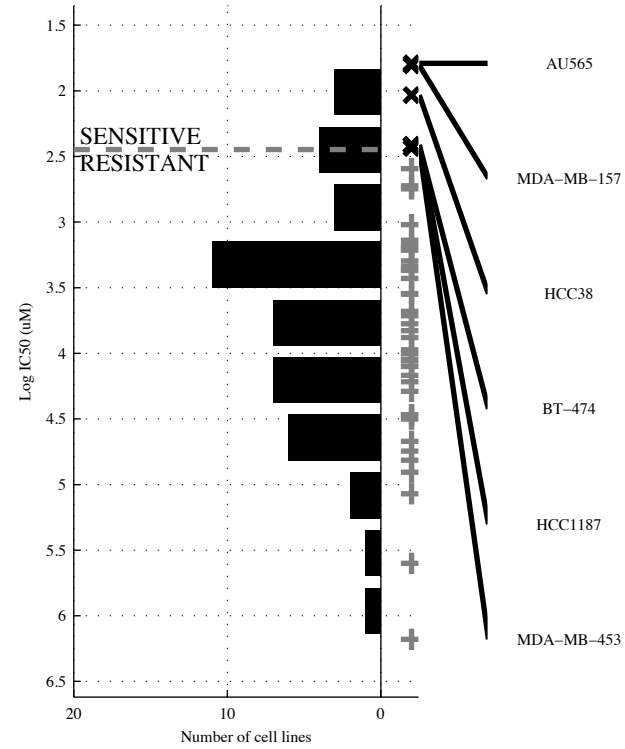
45 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d19p12</b>	<b>a8q24. &amp; ¬a8q24.</b>	<b>¬a8q24. &amp; ¬d8p23 &amp; a20q13</b>	<b>¬a(MDM &amp; a(TERT &amp; a8q24. &amp; H2O2-D</b>	<b>ASPM   d19p12</b>	<b>[PIK3CA &amp; a(CLTC)   [ d19p12 &amp; a(EGFR]</b>	<b>CHD4   GATA3   d19p12</b>	<b>BAP1   CHD4   GATA3   d19p12</b>
TP   FP Specificity	1   1 0.97	2   4 0.9	2   1 0.97	3   5 0.87	2   1 0.97	4   3 0.92	3   1 0.97	4   1 0.97
FN   TN Precision	5   38 0.5	4   35 0.33	4   38 0.67	3   34 0.38	4   38 0.67	2   36 0.57	3   38 0.75	2   38 0.8
Recall	0.17	0.33	0.33	0.5	0.33	0.67	0.5	0.67

BRCA  
 id: 1072 name: BMS-708163  
 target: g-secretase class: other

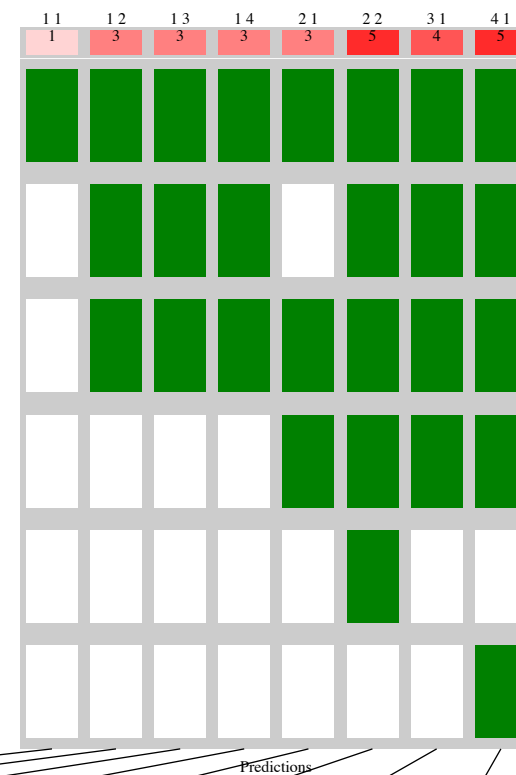
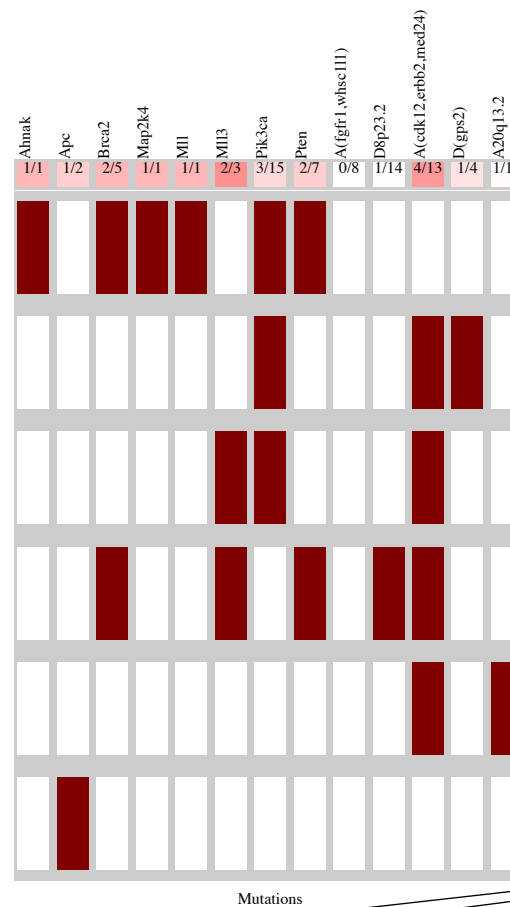
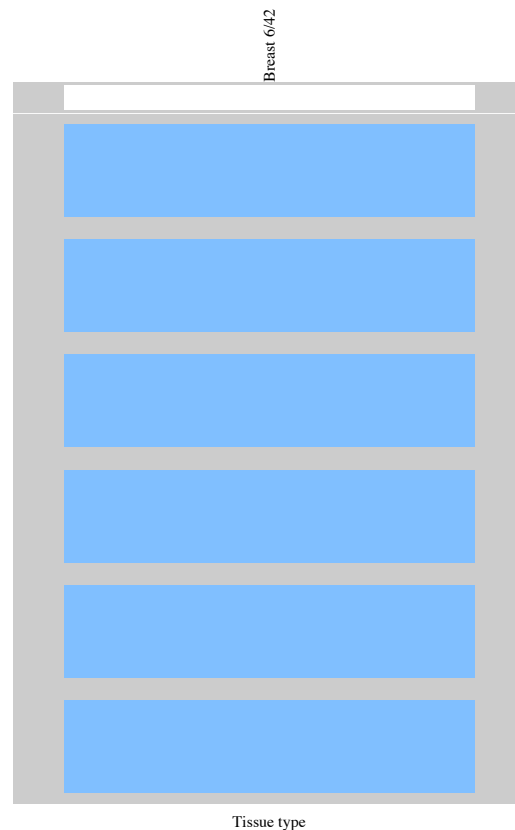
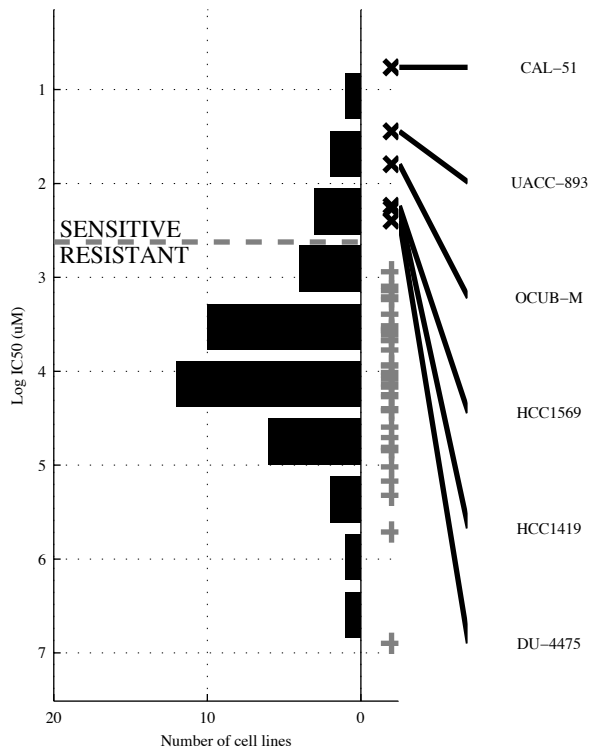
45 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d19p12</b>	<b>d19p12 &amp;</b>	<b>~a(GAT &amp; d(SYNG &amp;</b> <b>a20q13</b>	<b>~a(GAT &amp; a(CLTG &amp;</b> <b>a20q13 &amp; H2O2-D</b>	<b>d19p12   VEGF-U</b>	<b>[ d19p12 &amp; ]</b> <b> </b> <b>[ a20q13 &amp; d(PABP]</b>	<b>BAP1   d19p12  </b> <b>VEGF-U</b>	<b>ASXL2   BAP1  </b> <b>d19p12   VEGF-U</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{2}{4} \mid \frac{0}{39}$ 1 0.33	$\frac{2}{4} \mid \frac{0}{39}$ 1 0.33	$\frac{4}{2} \mid \frac{3}{36}$ 0.92 0.57 0.67	$\frac{2}{4} \mid \frac{0}{39}$ 1 0.33	$\frac{3}{3} \mid \frac{0}{39}$ 1 1 0.5	$\frac{4}{2} \mid \frac{0}{39}$ 1 1 0.67	$\frac{4}{2} \mid \frac{0}{39}$ 1 1 0.67	$\frac{5}{1} \mid \frac{0}{39}$ 1 1 0.83

BRCA  
 id: 1129 name: PF-4708671  
 target: RPS6KB1 (p70S6KA) class: TOR signaling

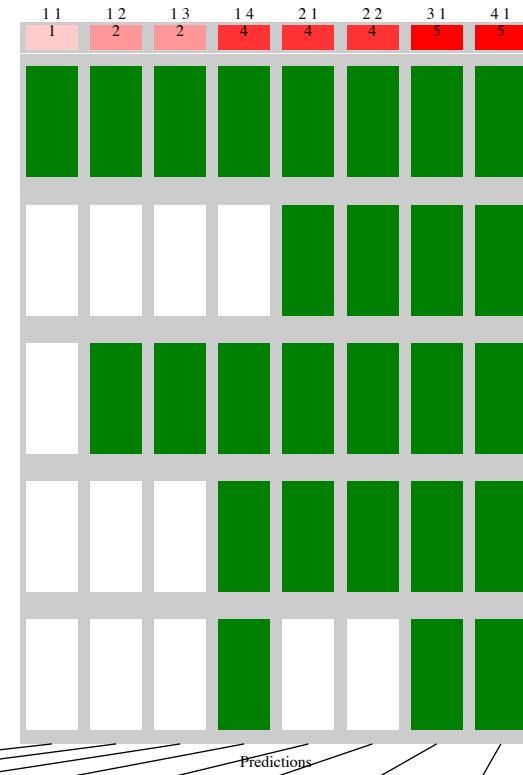
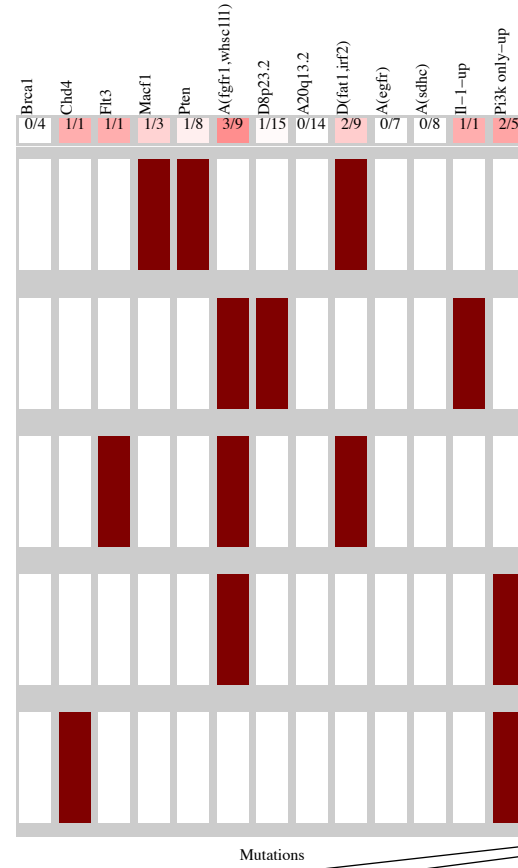
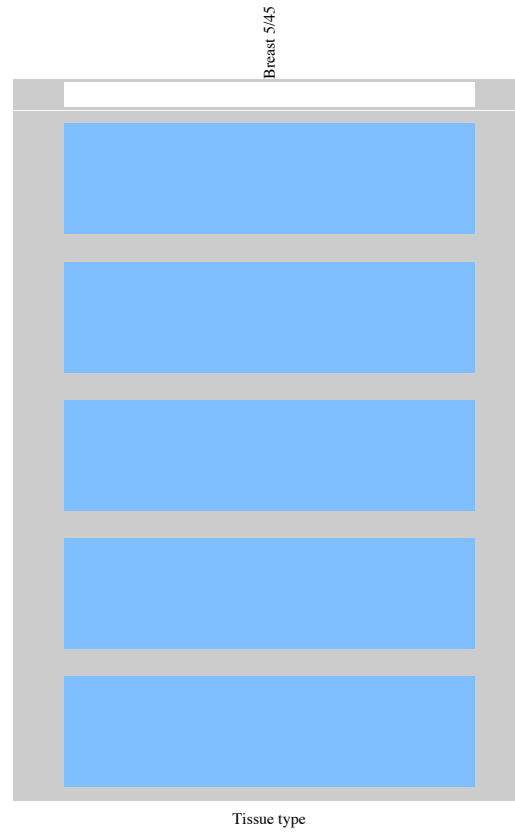
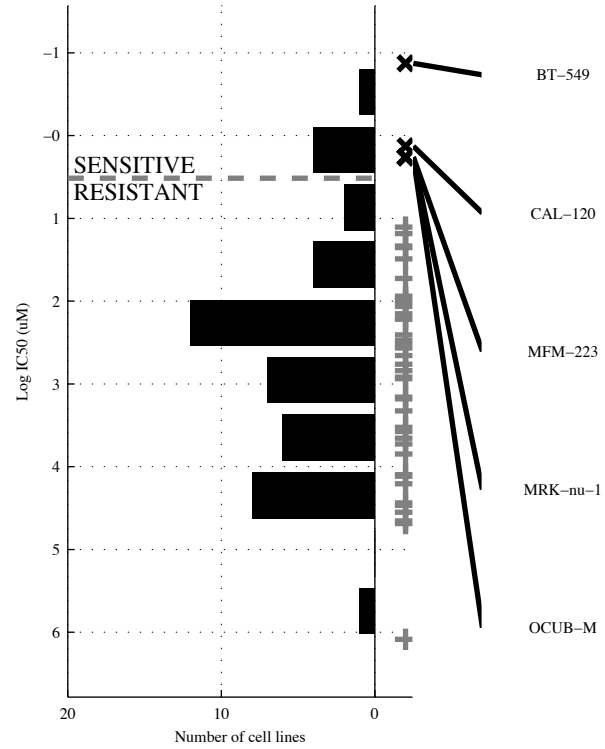
42 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>AHNAK</b>	<b>PIK3CA &amp; <math>\neg</math>a20q13</b>	<b>PIK3CA &amp; a(FGFR &amp; <math>\neg</math>d8p23.</b>	<b>PIK3CA &amp; a(FGFR &amp; <math>\neg</math>d8p23. &amp; a20q13</b>	<b>MLL   MLL3</b>	<b>[ BRCA2 &amp; PTEN ]   [ <math>\neg</math>d8p23. &amp; a(CDK1) ]</b>	<b>MAP2K4   MLL3   d(GPS2)</b>	<b>APC   MAP2K4   MLL3   d(GPS2)</b>
TP   FP	1   0	3   7	3   4	3   1	3   1	5   6	4   4	5   5
Specificity	1	0.81	0.89	0.97	0.97	0.83	0.89	0.86
FN   TN	5   36	3   29	3   32	3   35	3   35	1   30	2   32	1   31
Precision	1	0.3	0.43	0.75	0.75	0.45	0.5	0.5
Recall	0.17	0.5	0.5	0.5	0.5	0.83	0.67	0.83

BRCA  
 id: 1192 name: GSK269962A  
 target: ROCK1, ROCK2 class: cytoskeleton

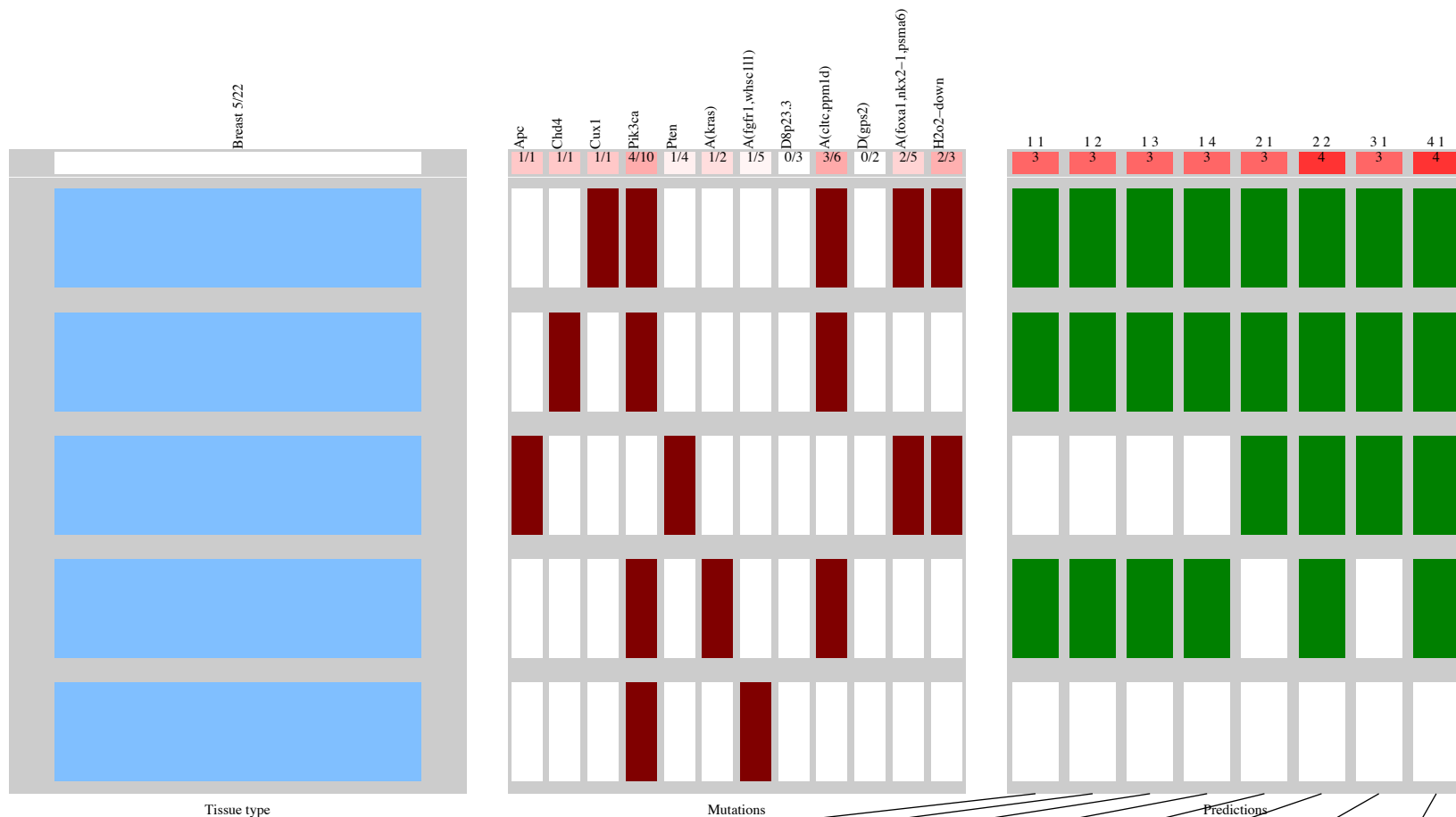
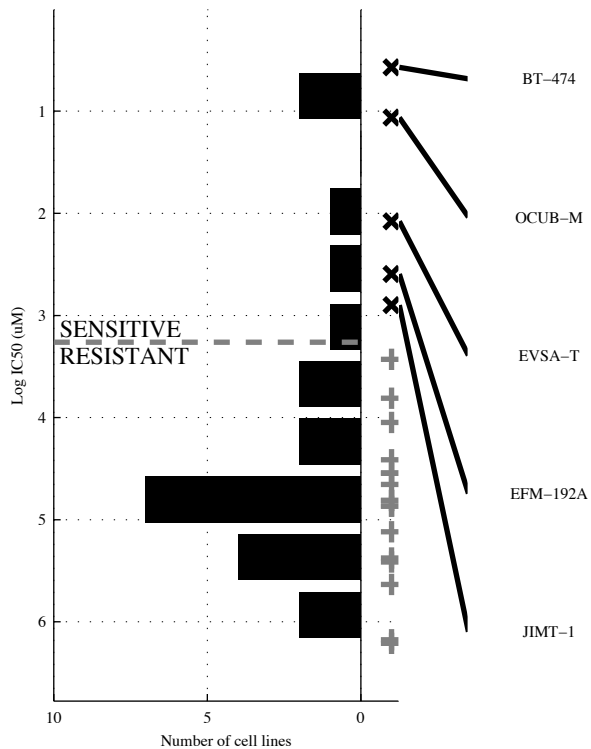
45 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MACF1</b>	<b>¬a20q13&amp;d(FAT1)</b>	<b>¬d8p23.&amp;¬a20q13&amp;d(FAT1)</b>	<b>¬BRCA1&amp;¬d8p23.&amp;¬a20q13&amp;a(EGFR)</b>	<b>MACF1   a(FGFR)</b>	<b>[ PTEN &amp;d(FAT1)   a(FGFR&amp;a(SDHC)]</b>	<b>CHD4   MACF1   a(FGFR)</b>	<b>FLT3   MACF1   IL-1-U   PI3K o</b>
TP   FP	1   2	2   3	2   1	4   8	4   8	4   3	5   8	5   5
Specificity	0.95	0.93	0.97	0.8	0.8	0.93	0.8	0.88
FN   TN	4   38	3   37	3   39	1   32	1   32	1   37	0   32	0   35
Precision	0.33	0.4	0.67	0.33	0.33	0.57	0.38	0.5
Recall	0.2	0.4	0.4	0.8	0.8	0.8	1	1

BRCA  
 id: 1203 name: QL-XII-61  
 target: BTK class: other

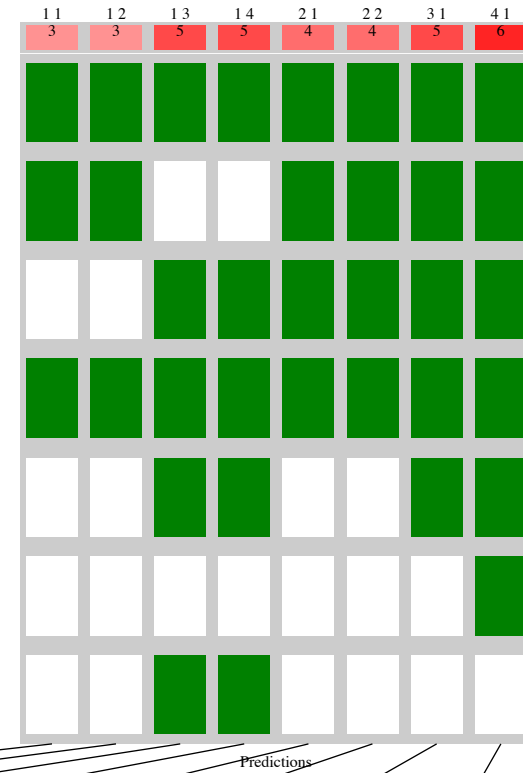
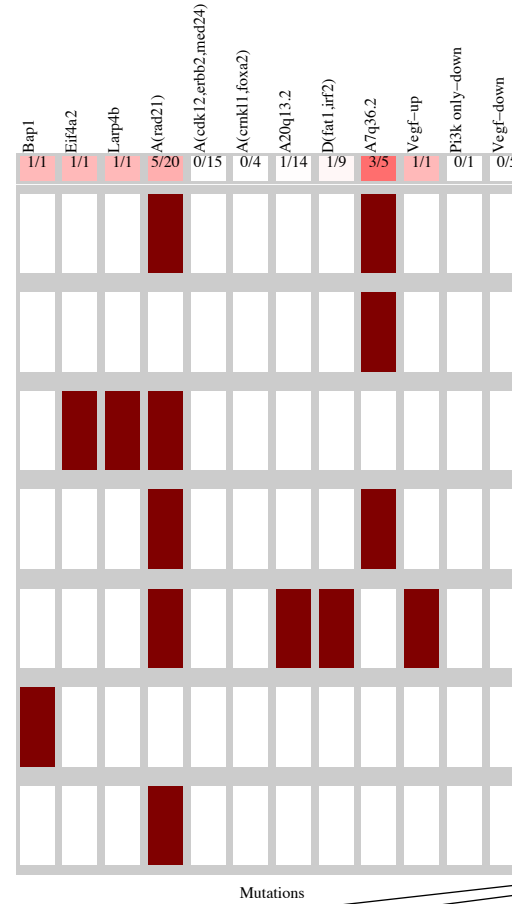
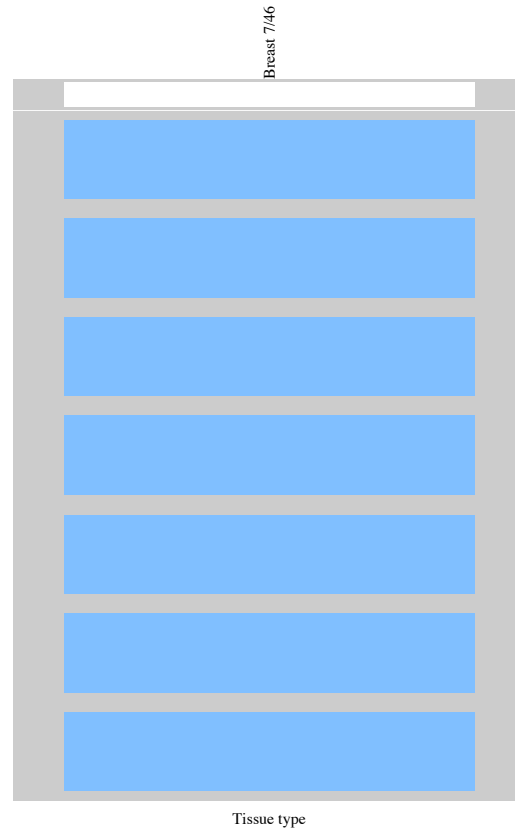
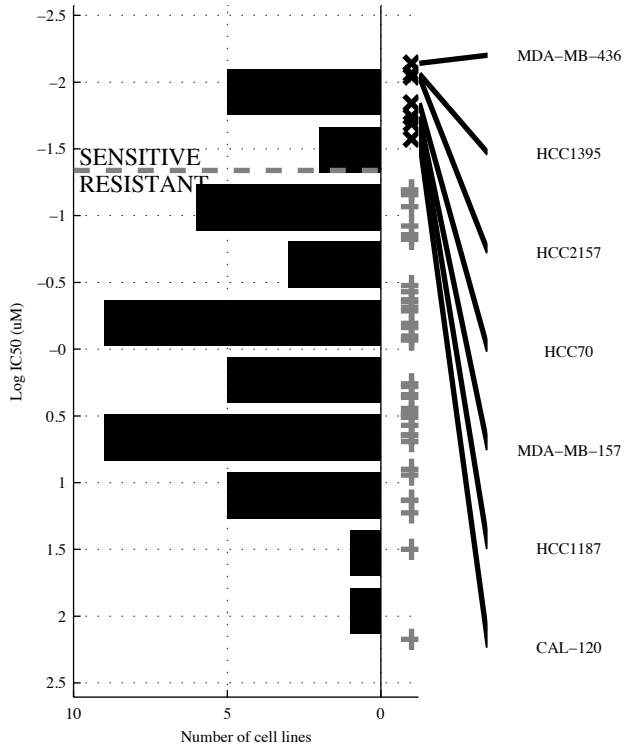
22 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a(CLTC)</b>	<b>PIK3CA &amp; a(CLTC)</b>	<b>PIK3CA &amp; d8p23 &amp; a(CLTC)</b>	<b>PIK3CA &amp; a(FGFR) &amp; d8p23 &amp; d(GPS2)</b>	<b>CHD4   H2O2-D</b>	<b>[ PTEN &amp; a(FOXA)   [PIK3CA &amp; a(CLTC)]</b>	<b>APC   CHD4   CUX1</b>	<b>APC   CHD4   CUX1   a(KRAS)</b>
TP   FP	3   3	3   0	3   0	3   0	3   1	4   0	3   0	4   1
Specificity	0.82	1	1	1	0.94	1	1	0.94
FN   TN	2   14	2   17	2   17	2   17	2   16	1   17	2   17	1   16
Precision	0.5	1	1	1	0.75	1	1	0.8
Recall	0.6	0.6	0.6	0.6	0.6	0.8	0.6	0.8

BRCA  
 id: 1261 name: rTRAIL  
 target: TR10A (DR4), TR10B (DR5) class: apoptosis regulation

46 cell lines  
 7 sensitive

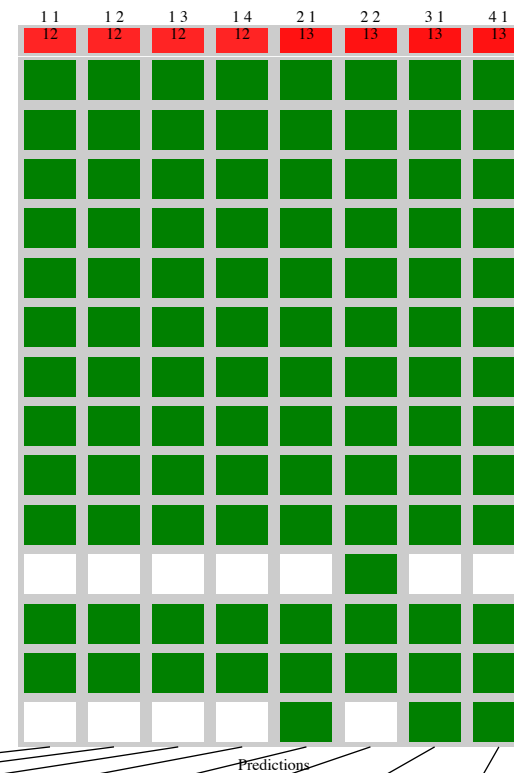
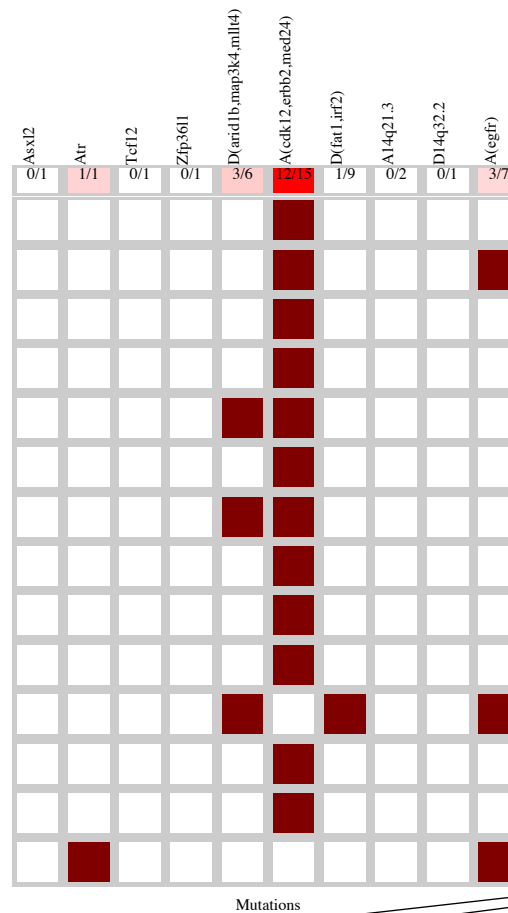
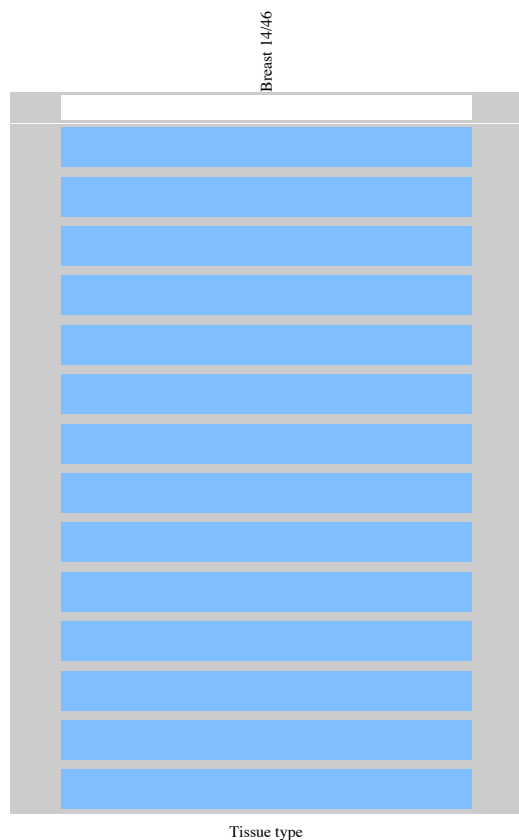
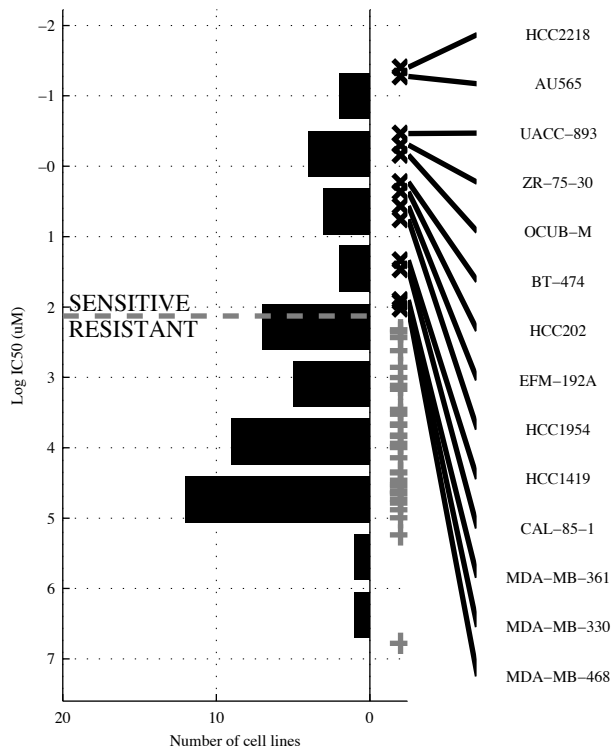


Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>a7q36.</b>		<b>¬d(FAT&amp; a7q36.</b>		<b>a(RAD2&amp;a(CDK&amp;</b>		<b>a(RAD2&amp;a(CDK&amp;</b>		<b>EIF4A2   a7q36.</b>		<b>[¬a20q13&amp; a7q36. ]</b>		<b>LARP4B  a7q36.  </b>		<b>BAP1  LARP4B </b>	
					<b>¬a(CRNK</b>		<b>¬a(CRNK&amp;VEGF-D</b>				<b>[ EIF4A2&amp;¬PI3K o ]</b>		<b>VEGF-U</b>		<b>a7q36.  VEGF-U</b>	
TP   FP	3   2	0.95	3   0	1	5   5	0.87	5   3	0.92	4   2	0.95	4   0	1	5   2	0.95	6   2	0.95
FN   TN	4   37	0.6	4   39	1	2   34	0.5	2   36	0.63	3   37	0.67	3   39	1	2   37	0.71	1   37	0.75
Specificity																
Precision																
Recall		0.43		0.43		0.71		0.71		0.57		0.57		0.71		0.86



BRCA  
 id: 1377 name: Afatinib (rescreen)  
 target: ERBB2, EGFR class: EGFR signaling

46 cell lines  
 14 sensitive

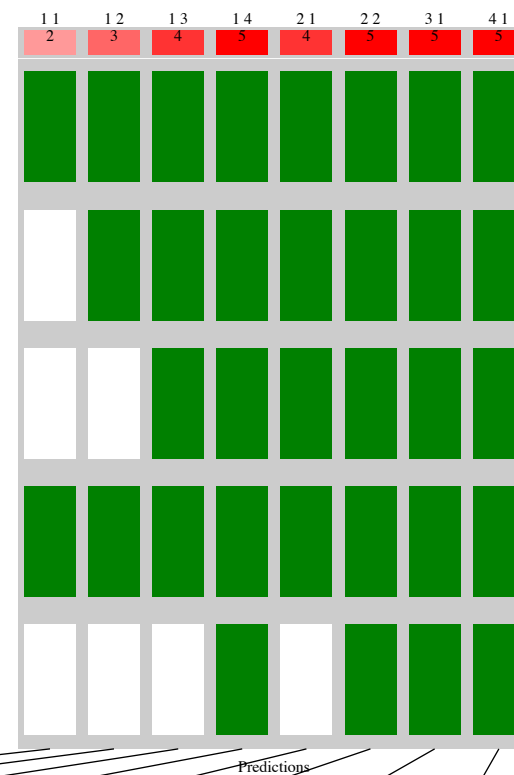
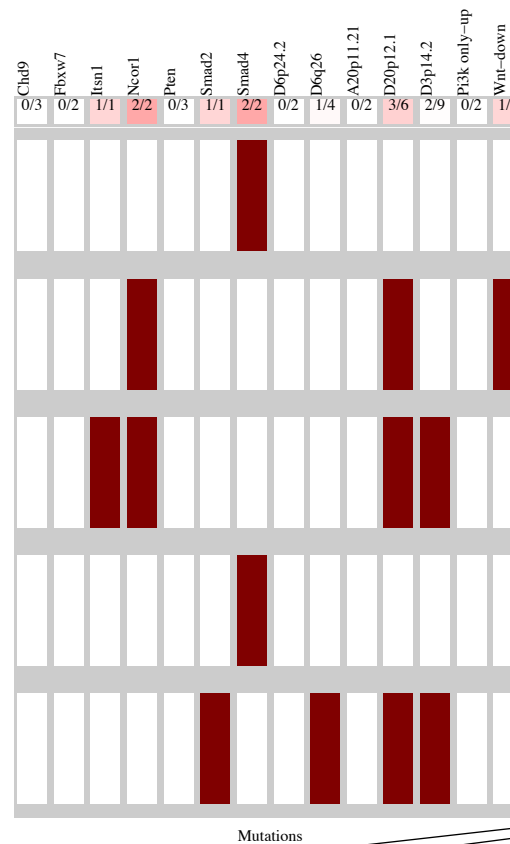
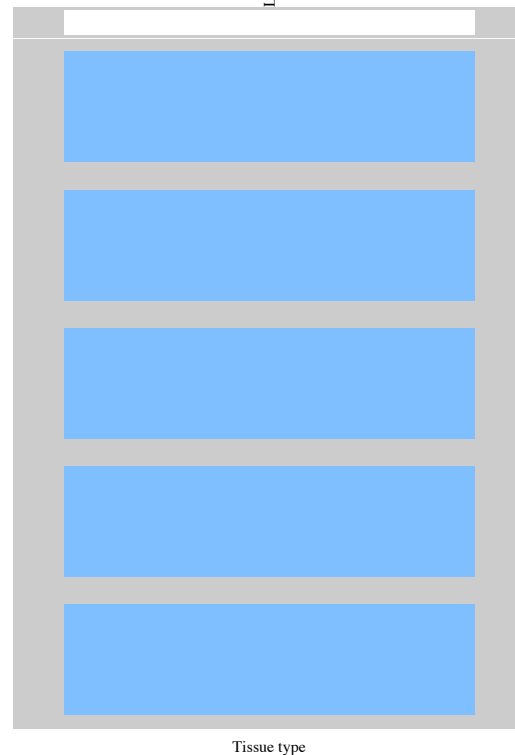
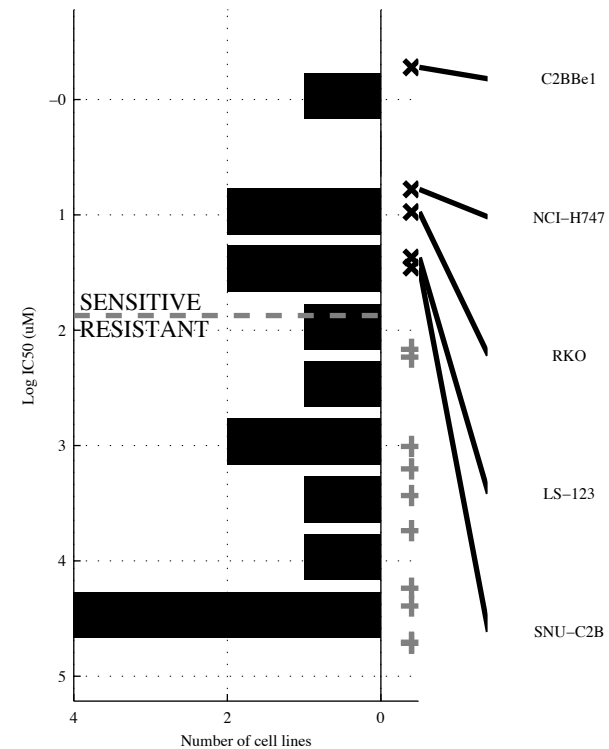


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>a(CDK1)</b>	<b>a(CDK1 &amp; ¬a14q21)</b>	<b>a(CDK1 &amp; ¬d(FAT1 &amp; FAT2) &amp; ¬a14q21)</b>	<b>¬TCF12 &amp; ZFP361 &amp; a(CDK1 &amp; ¬d14q32)</b>	<b>ATR   a(CDK1)</b>	<b>[¬ASXL2 &amp; a(CDK1)]   [d(ARID1A) &amp; a(EGFR)]</b>	<b>ATR   a(CDK1)  </b>	<b>ATR   a(CDK1)  </b>
TP   FP Specificity	12   3 0.91	12   2 0.94	12   1 0.97	12   0 1	13   3 0.91	13   2 0.94	13   3 0.91	13   3 0.91
FN   TN Precision	2   29 0.8	2   30 0.86	2   31 0.92	2   32 0.86	1   29 0.81	1   30 0.87	1   29 0.81	1   29 0.81
Recall	0.86	0.86	0.86	0.86	0.93	0.93	0.93	0.93

COADREAD  
 id: 55 name: A-770041  
 target: SRC family class: other

15 cell lines  
 5 sensitive

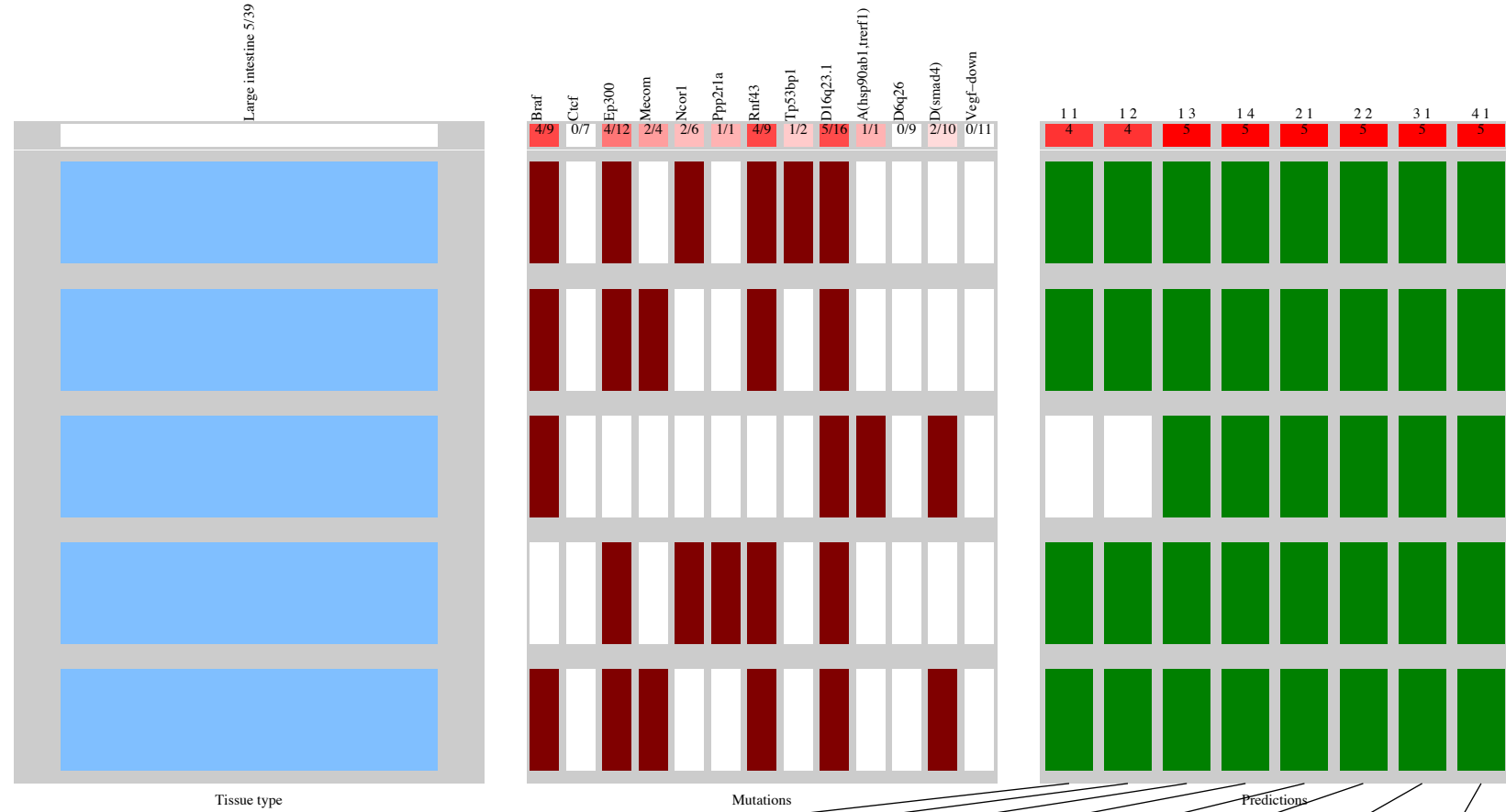
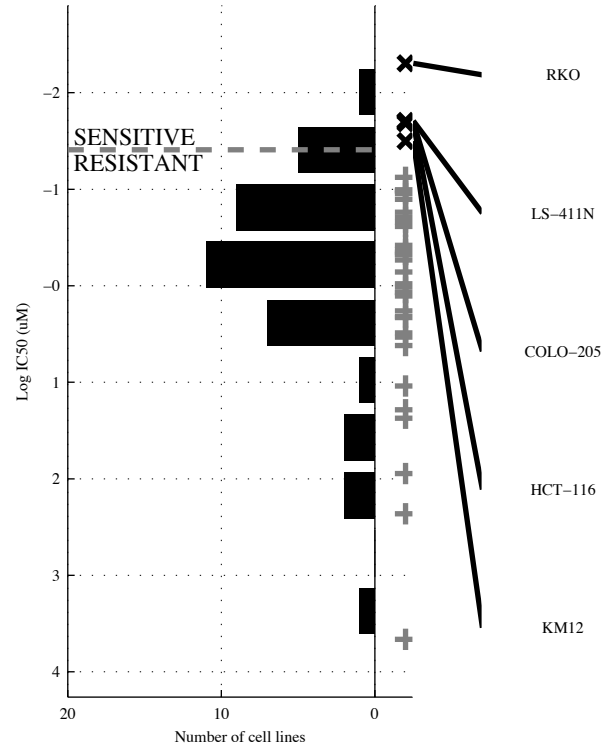
Large intestine 5/15



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>SMAD4</b>	<b>-d6q26 &amp; -d3p14.</b>	<b>-PTEN &amp; -d6q26 &amp; -a20p11</b>	<b>-CHD9 &amp; -FBXW7 &amp; -a20p11 &amp; -PI3K o</b>	<b>NCOR1   SMAD4</b>	<b>[ d20p12 &amp; -PI3K o ]   [ SMAD4 &amp; -d6p24. ]</b>	<b>NCOR1   SMAD2   SMAD4</b>	<b>ITSN1   SMAD2   SMAD4   Wnt-DO</b>
TP   FP	2   0	3   1	4   2	5   2	4   0	5   1	5   0	5   0
Specificity	1	0.9	0.8	0.8	1	0.9	1	1
FN   TN	3   10	2   9	1   8	0   8	1   10	0   9	0   10	0   10
Precision	1	0.75	0.67	0.71	1	0.83	1	1
Recall	0.4	0.6	0.8	1	0.8	1	1	1

COADREAD  
 id: 157 name: JNK-9L  
 target: JNK class: JNK and p38 signaling

39 cell lines  
 5 sensitive

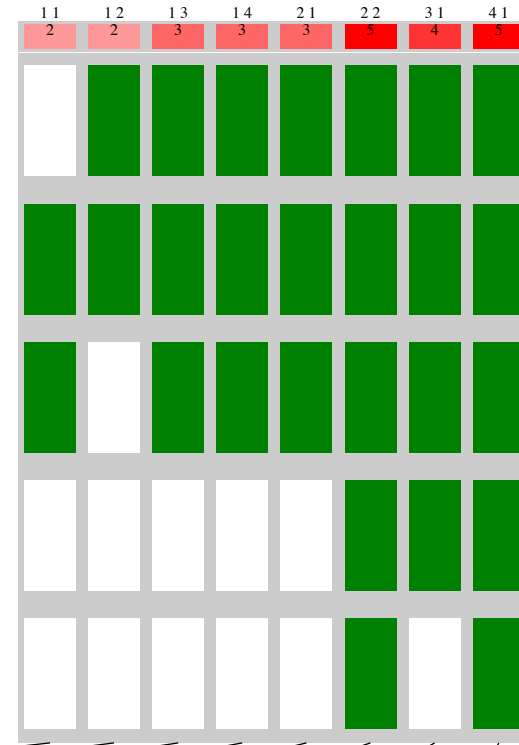
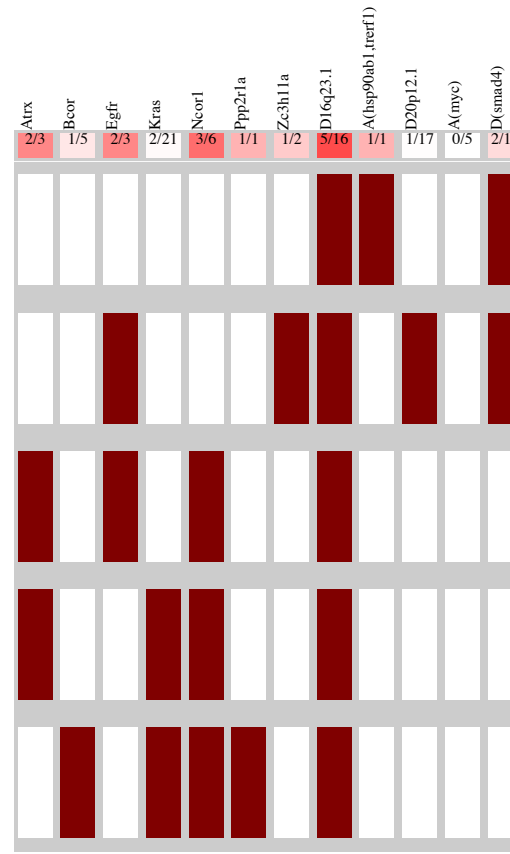
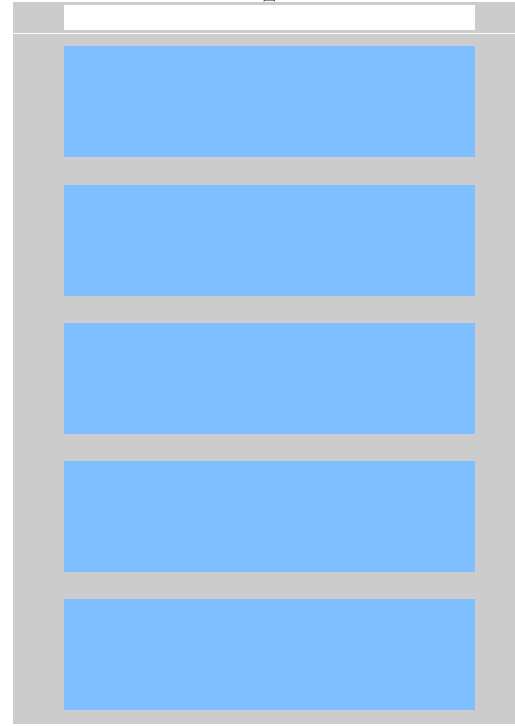
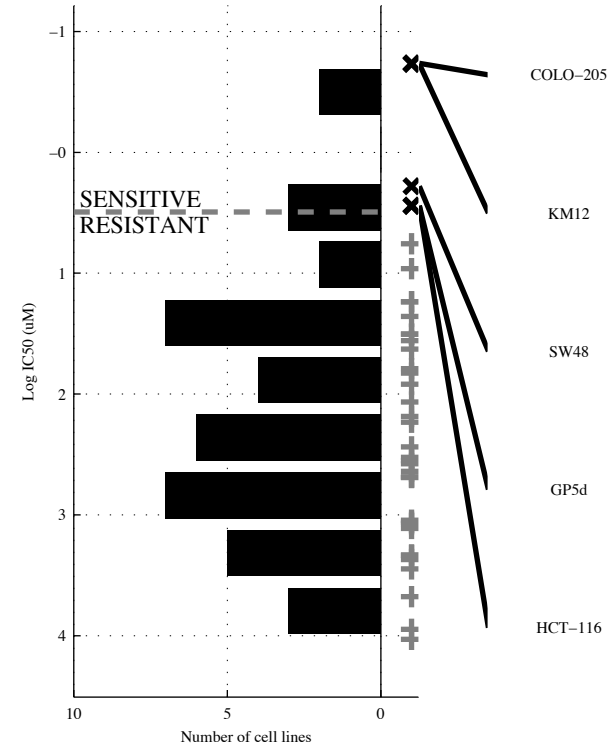


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>RNF43</b>	<b>EP300 &amp; RNF43</b>	<b>d16q23 &amp; -d6q26 &amp; -VEGF-D</b>	<b>-CTCF &amp; d16q23 &amp; -d6q26 &amp; VEGF-D</b>	<b>RNF43   a(HSP9</b>	<b>[ BRAF &amp; d(SMAD)   [ EP300 &amp; RNF43 ]</b>	<b>MECOMI NCOR1   a(HSP9</b>	<b>MECOMI PPP2R1   TP53BP   a(HSP9</b>
TP   FP	4   5	4   2	5   4	5   2	5   5	5   2	5   4	5   3
Specificity	0.85	0.94	0.88	0.94	0.85	0.94	0.88	0.91
FN   TN	1   29	1   32	0   30	0   32	0   29	0   32	0   30	0   31
Precision	0.44	0.67	0.56	0.71	0.5	0.71	0.56	0.63
Recall	0.8	0.8	1	1	1	1	1	1

COADREAD  
 id: 158 name: PF-562271  
 target: FAK class: cytoskeleton

39 cell lines  
 5 sensitive

Large intestine 5/39

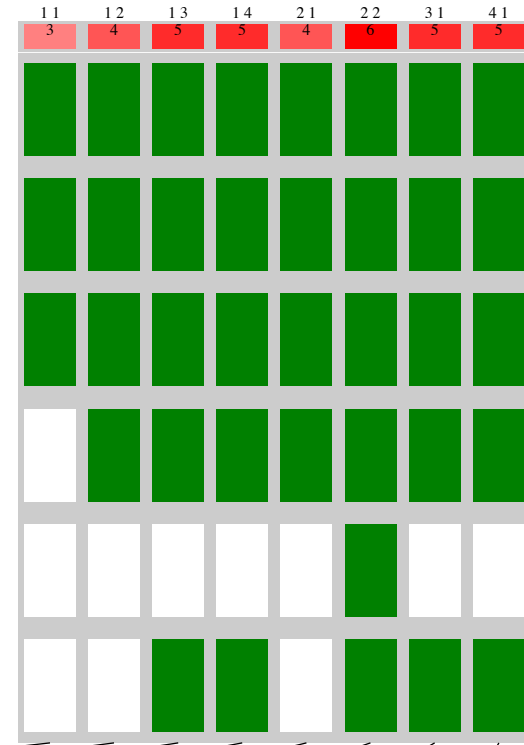
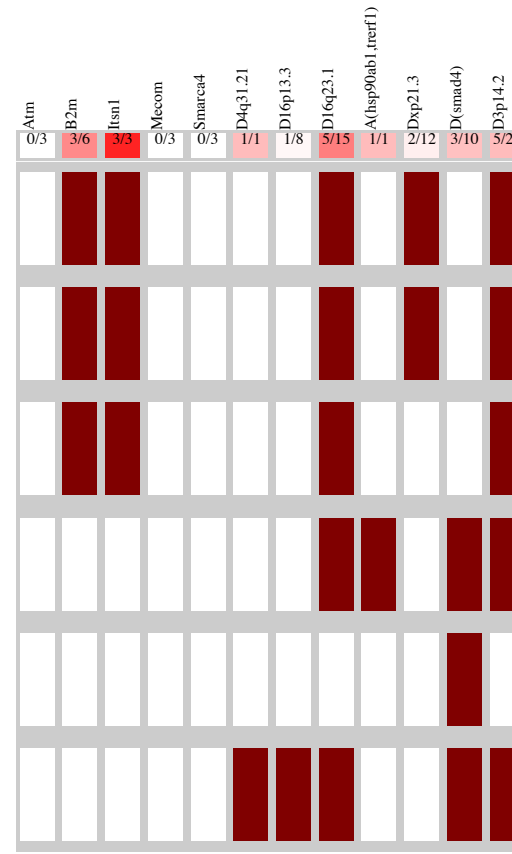
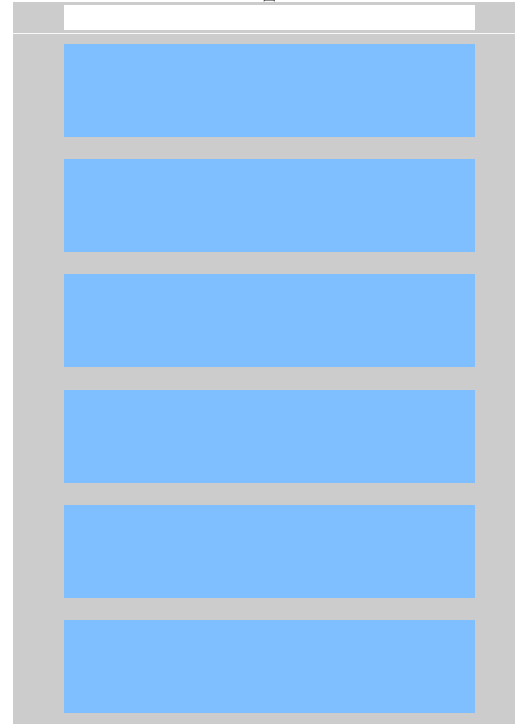
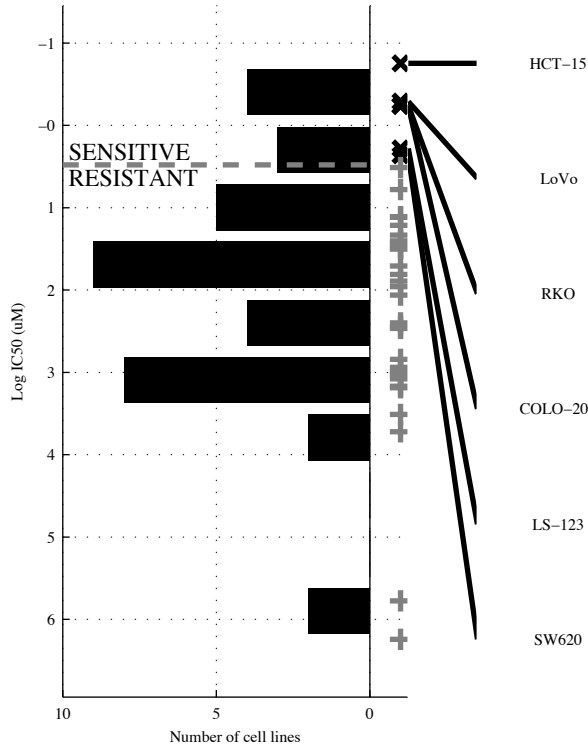


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>EGFR</b>	<b>-KRAS&amp;d(SMAD)</b>	<b>-BCOR&amp;-KRAS&amp;d16q23</b>	<b>-BCOR&amp;-KRAS&amp;d16q23 &amp;a(MYC)</b>	<b>EGFR   a(HSP9)</b>	<b>[ NCOR1&amp;-d20p12 ]   [ -KRAS&amp;d(SMAD) ]</b>	<b>ATRX   ZC3H11   a(HSP9)</b>	<b>ATRX   PPP2R1   ZC3H11   a(HSP9)</b>
TP   FP	2   1	2   0	3   2	3   1	3   1	5   0	4   1	5   1
Specificity	0.97	1	0.94	0.97	0.97	1	0.97	0.97
FN   TN	3   33	3   34	2   32	2   33	2   33	0   34	1   33	0   33
Precision	0.67	1	0.6	0.75	0.75	1	0.8	0.83
Recall	0.4	0.4	0.6	0.6	0.6	1	0.8	1

COADREAD  
 id: 167 name: OSU-03012  
 target: PDPK1 (PDK1) class: PI3K signaling

37 cell lines  
 6 sensitive

Large intestine 6/37

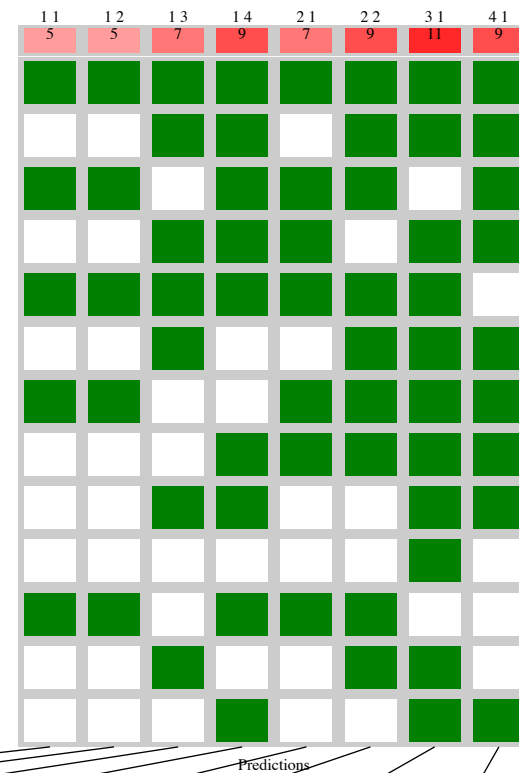
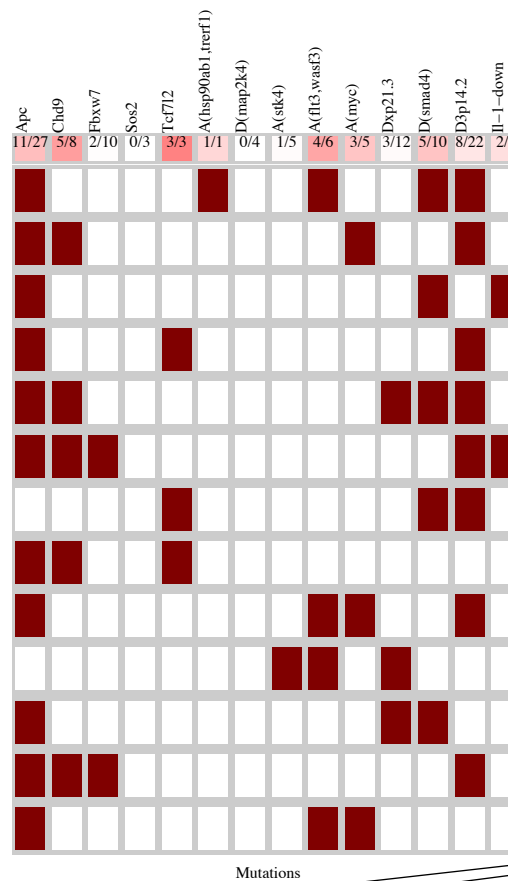
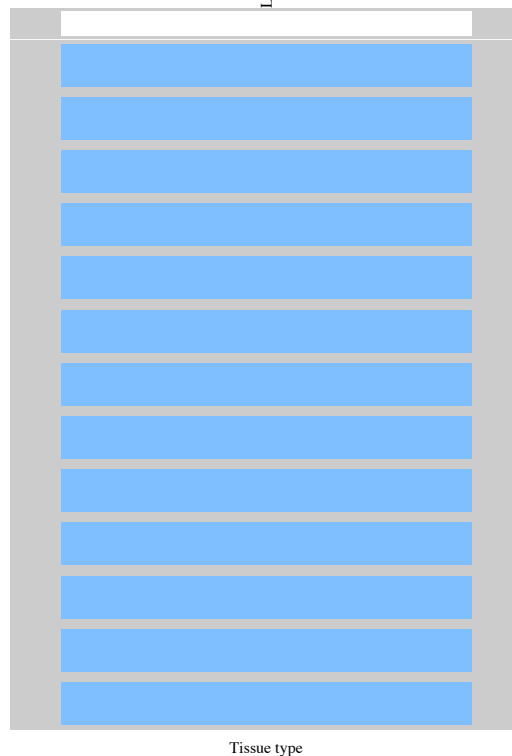
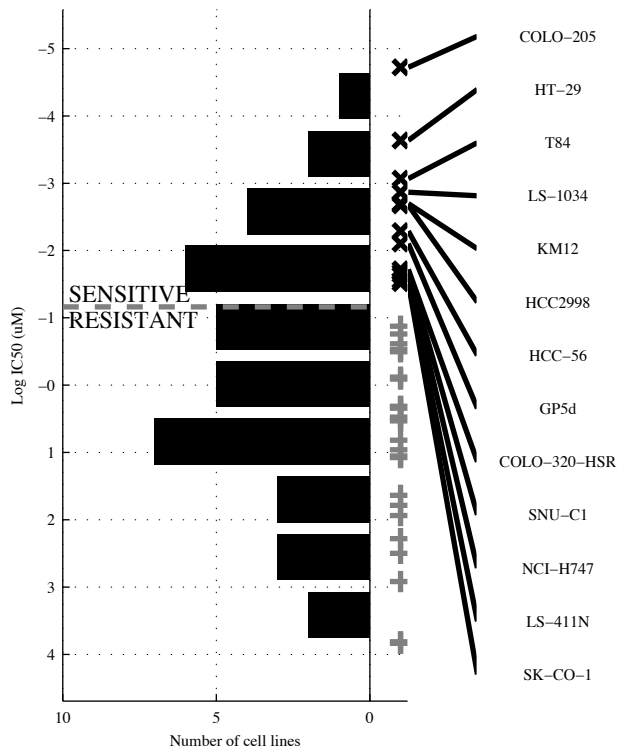


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>ITSN1</b>	<b>~d16p13&amp; d16q23</b>	<b>~ATM &amp; MECOM &amp; d16q23</b>	<b>~ATM &amp; MECOM &amp; ~SMARC &amp; d16q23</b>	<b>ITSN1   a(HSP9</b>	<b>[ ~dXp21 &amp; d(SMAD)   [ B2M &amp; d3p14. ]</b>	<b>ITSN1   d4q31.   a(HSP9</b>	<b>ITSN1   d4q31.   a(HSP9  </b>
TP   FP	3   0	4   6	5   5	5   3	4   0	6   3	5   0	5   0
Specificity	1	0.81	0.84	0.9	1	0.9	1	1
FN   TN	3   31	2   25	1   26	1   28	2   31	0   28	1   31	1   31
Precision	1	0.4	0.5	0.63	1	0.67	1	1
Recall	0.5	0.67	0.83	0.83	0.67	1	0.83	0.83

COADREAD  
 id: 184 name: BMS-754807  
 target: IGF1R class: IGFR signaling

38 cell lines  
 13 sensitive

Large intestine 13/38

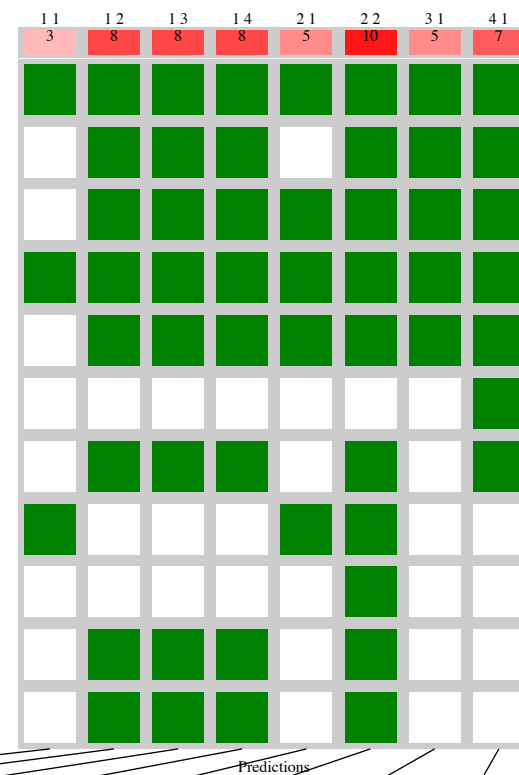
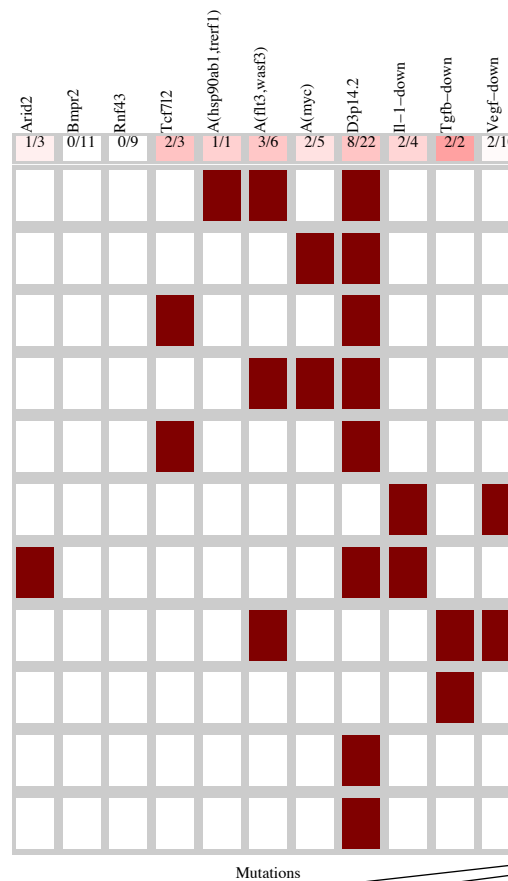
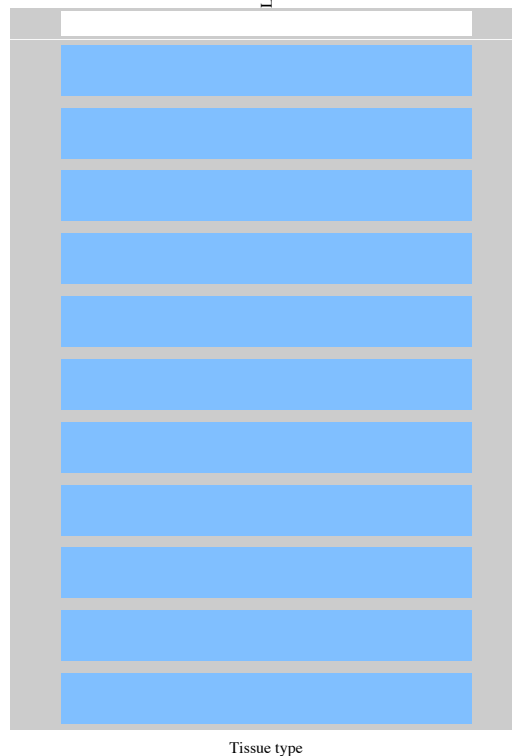
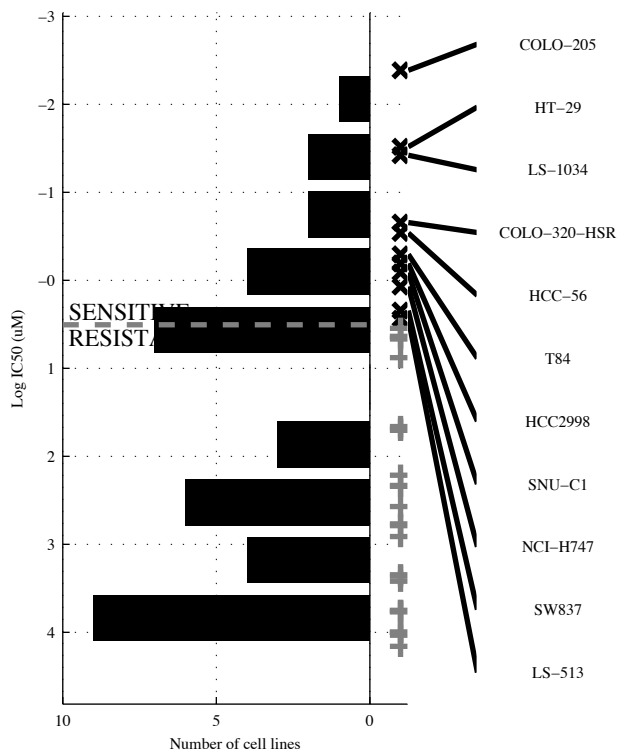


Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>d(SMAD)</b>		<b>-d(MAP2K1) &amp; d(SMAD)</b>		<b>APC &amp; -SOS2 &amp; d3p14.</b>		<b>APC &amp; -FBXW7 &amp; -SOS2 &amp; -a(STK4)</b>		<b>TCF7L2   d(SMAD)</b>		<b>[ -d(MAP2K1) &amp; d(SMAD) ]   [ -CHD9 &amp; -dXp21. ]</b>		<b>CHD9   TCF7L2   a(FLT3)</b>		<b>TCF7L2   a(HSP90)   a(MYC)   IL-1-D</b>	
TP   FP	5   5	5   8	5   2	8   23	7   4	6   21	9   4	4   21	7   5	6   20	9   3	4   22	11   5	2   20	9   3	4   22
Specificity	0.8	0.38	0.92	0.38	0.84	0.54	0.84	0.69	0.8	0.58	0.88	0.69	0.8	0.85	0.88	0.69
Precision	0.5	0.38	0.71	0.38	0.64	0.54	0.69	0.69	0.58	0.58	0.75	0.69	0.69	0.85	0.75	0.69
Recall	0.38	0.38	0.38	0.38	0.54	0.54	0.69	0.69	0.58	0.58	0.69	0.69	0.69	0.85	0.69	0.69

COADREAD  
 id: 185 name: OSI-906  
 target: IGF1R class: IGFR signaling

38 cell lines  
 11 sensitive

Large intestine 11/38

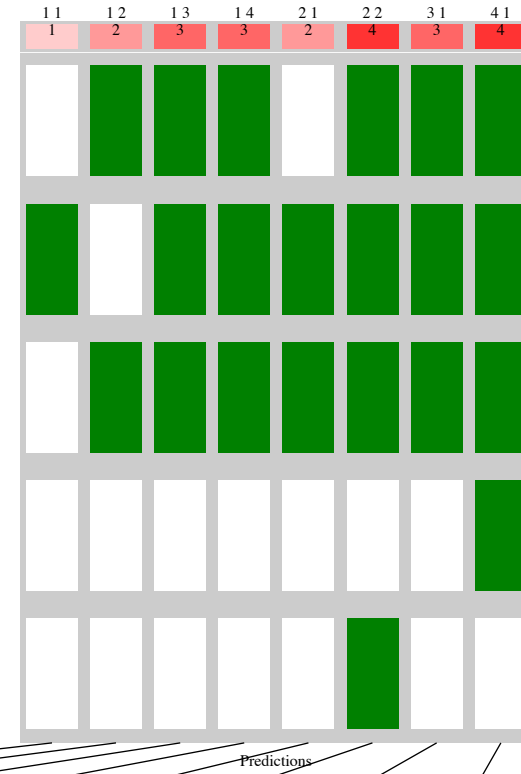
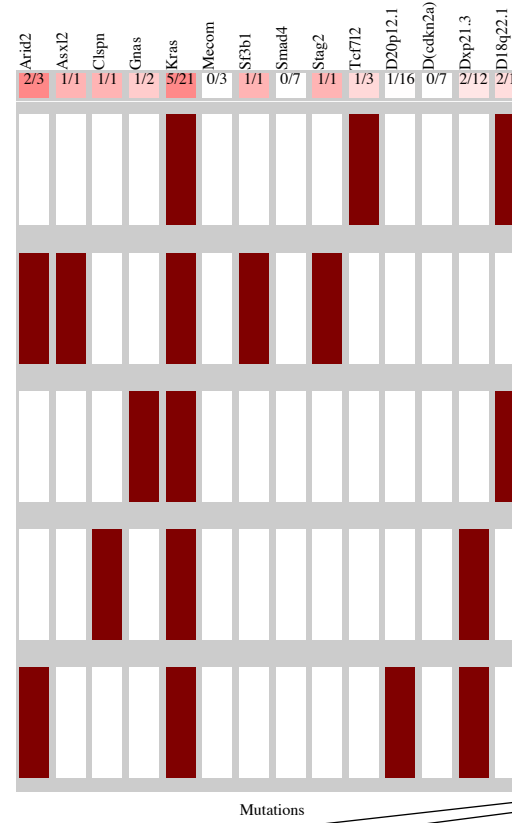
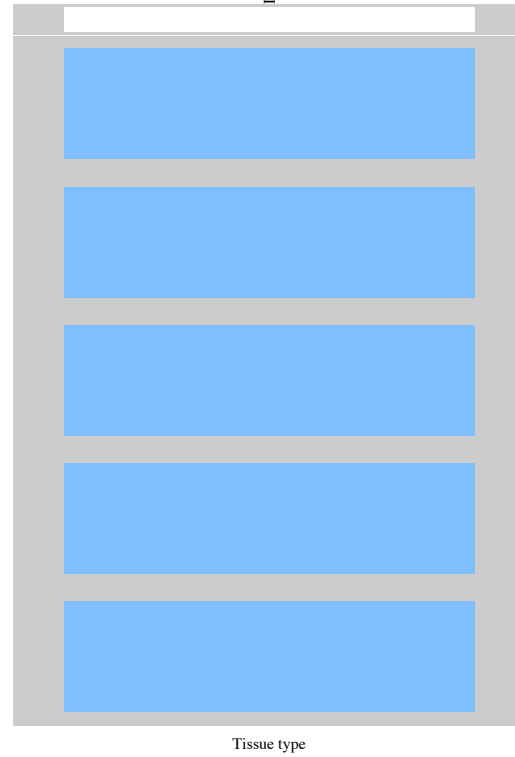
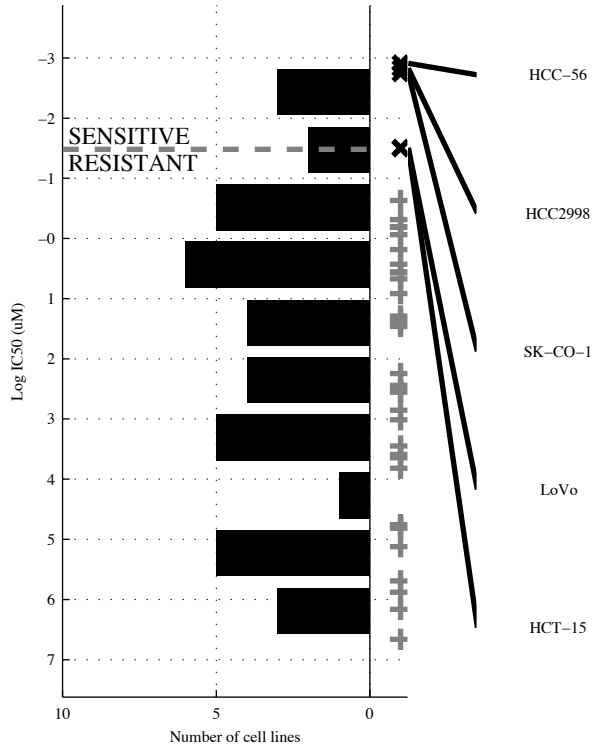


Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	1		1		1		1		2		2		3		4	
M	1		2		3		4		1		2		1		1	
Logic formula	<b>a(FLT3)</b>		<b>-BMPR &amp; d3p14.</b>		<b>-BMPR &amp; d3p14. &amp; -VEGF-D</b>		<b>-BMPR &amp; -RNF43 &amp; d3p14. &amp; VEGF-D</b>		<b>TCF7L2   a(FLT3)</b>		<b>[ -BMPR &amp; d3p14. ]   [ -ARID2 &amp; TGFB-D ]</b>		<b>TCF7L2   a(HSP9   a(MYC)</b>		<b>TCF7L2   a(HSP9   a(MYC)   IL-1-D</b>	
TP   FP	3   3	0.89	8   5	0.81	8   2	0.93	8   1	0.96	5   4	0.85	10   5	0.81	5   4	0.85	7   5	0.81
FN   TN	8   24	0.5	3   22	0.62	3   25	0.8	3   26	0.89	6   23	0.56	1   22	0.67	6   23	0.56	4   22	0.58
Specificity	0.89		0.81		0.93		0.96		0.85		0.81		0.85		0.81	
Precision	0.5		0.62		0.8		0.89		0.56		0.67		0.56		0.58	
Recall	0.27		0.73		0.73		0.73		0.45		0.91		0.45		0.64	

COADREAD  
 id: 190 name: Bleomycin  
 target: DNA damage class: DNA replication

38 cell lines  
 5 sensitive

Large intestine 5/38



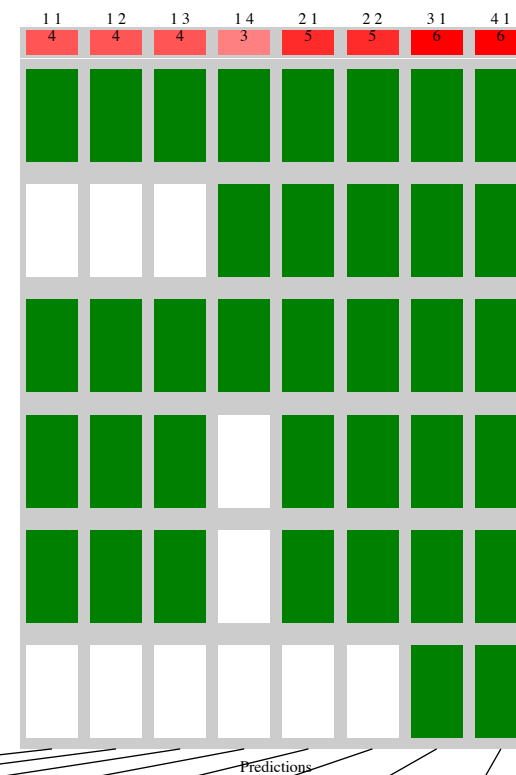
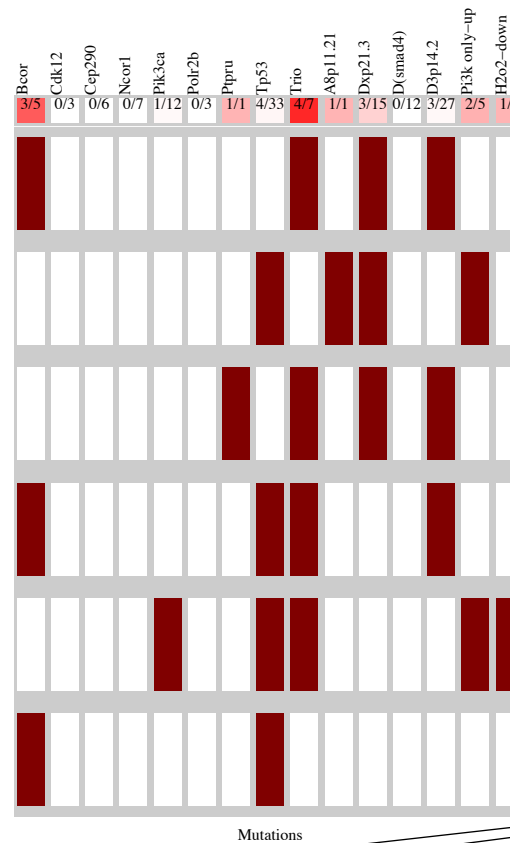
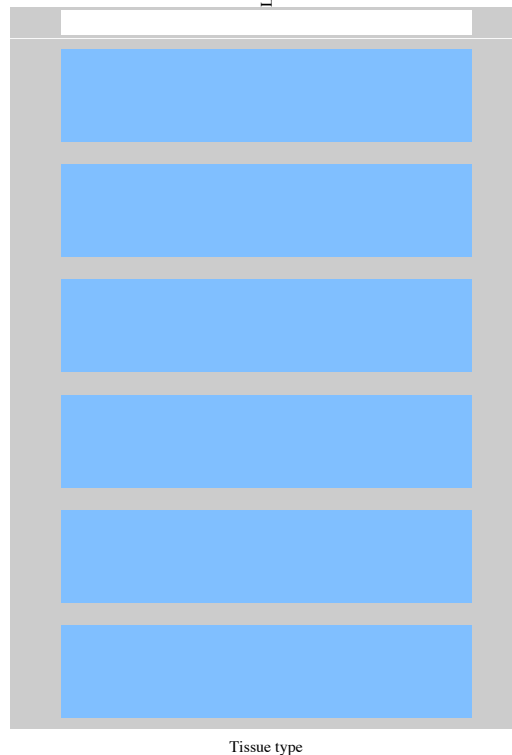
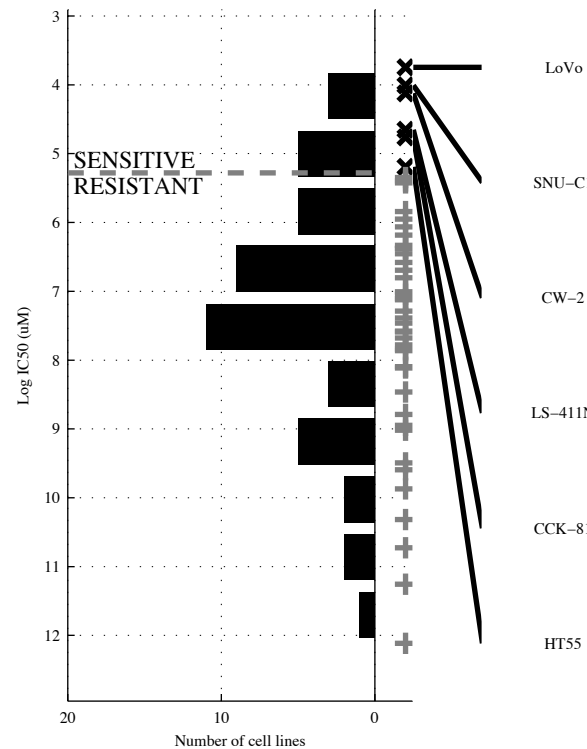
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K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>ASXL2</b>	<b>-d20p12&amp;d18q22</b>	<b>KRAS &amp; SMAD &amp; -dXp21.</b>	<b>KRAS &amp; SMAD &amp; -d(CDK2&amp;-dXp21.</b>	<b>ASXL2   GNAS</b>	<b>[ ARID2 &amp; MECOM   -d20p12&amp;d18q22 ]</b>	<b>GNAS   SF3B1   TCF7L2</b>	<b>CLSPN   GNAS   STAG2   TCF7L2</b>
TP   FP	1   0	2   2	3   5	3   2	2   1	4   2	3   3	4   3
Specificity	1	0.94	0.85	0.94	0.97	0.94	0.91	0.91
FN   TN	4   33	3   31	2   28	2   31	3   32	1   31	2   30	1   30
Precision	1	0.5	0.38	0.6	0.67	0.67	0.5	0.57
Recall	0.2	0.4	0.6	0.6	0.4	0.8	0.6	0.8



COADREAD  
 id: 196 name: Phenformin  
 target: AAPK1 (AMPK) agonist class: metabolism

46 cell lines  
 6 sensitive

Large intestine 6/46

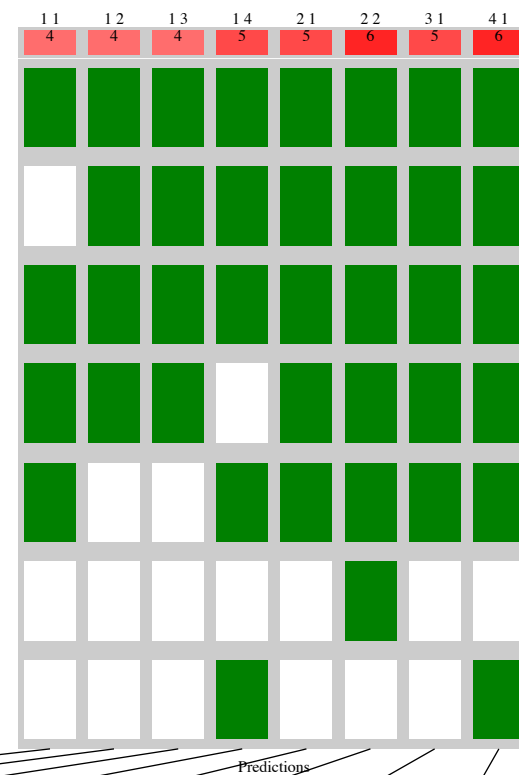
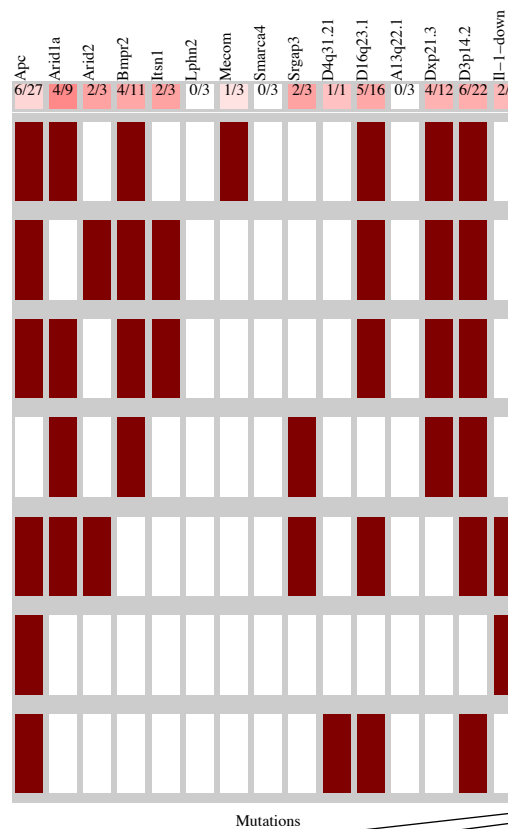
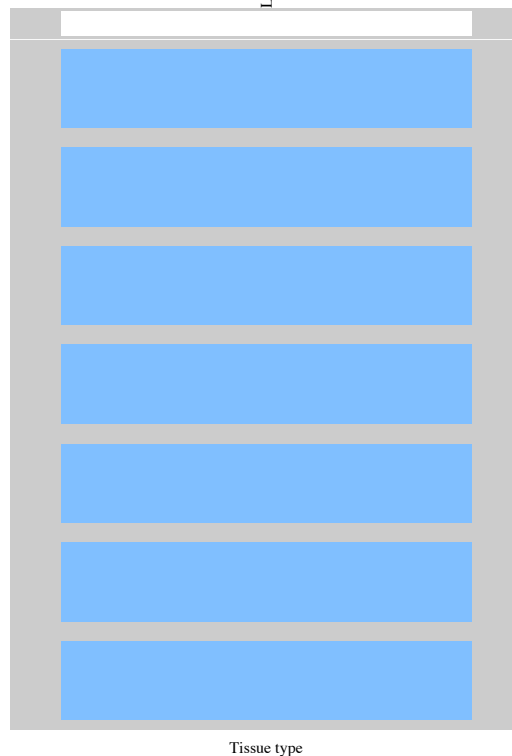
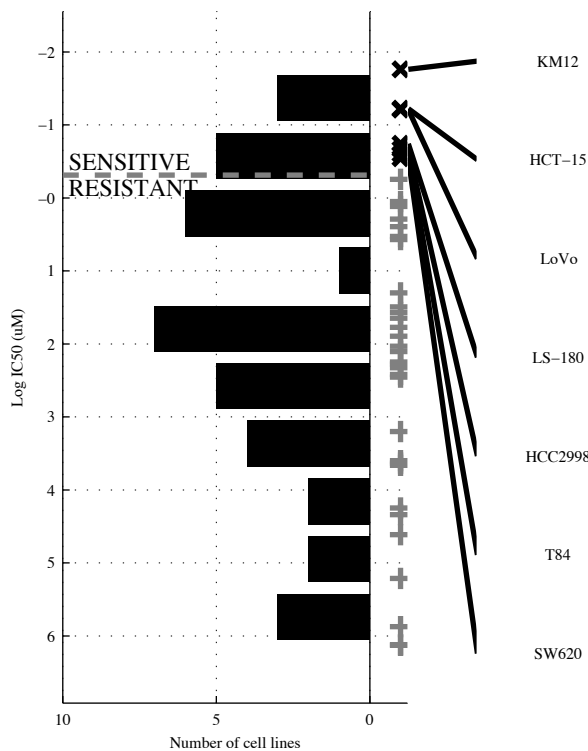


Model name	11	12	13	14	21	22	31	41
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>TRIO</b>	<b>-CEP290 &amp; TRIO</b>	<b>-CDK12 &amp; NCOR1 &amp; TRIO</b>	<b>-PIK3CA &amp; POLR2B &amp; dXp21.3 &amp; d(SMAD4)</b>	<b>TRIO   a8p11.</b>	<b>[ TP53 &amp; PI3K o ]   [ TRIO &amp; d3p14. ]</b>	<b>BCOR   PTPRU   PI3K o</b>	<b>BCOR   PTPRU   a8p11.   H2O2-D</b>
TP   FP Specificity	4   3 0.93	4   1 0.97	4   0 1	3   1 0.97	5   3 0.93	5   1 0.97	6   5 0.88	6   2 0.95
FN   TN Precision	2   37 0.57	2   39 0.8	2   40 1	3   39 0.75	1   37 0.63	1   39 0.83	0   35 0.55	0   38 0.75
Recall	0.67	0.67	0.67	0.5	0.83	0.83	1	1

COADREAD  
 id: 204 name: Tipifarnib  
 target: Farnesyl-transferase (FNTA) class: other

38 cell lines  
 7 sensitive

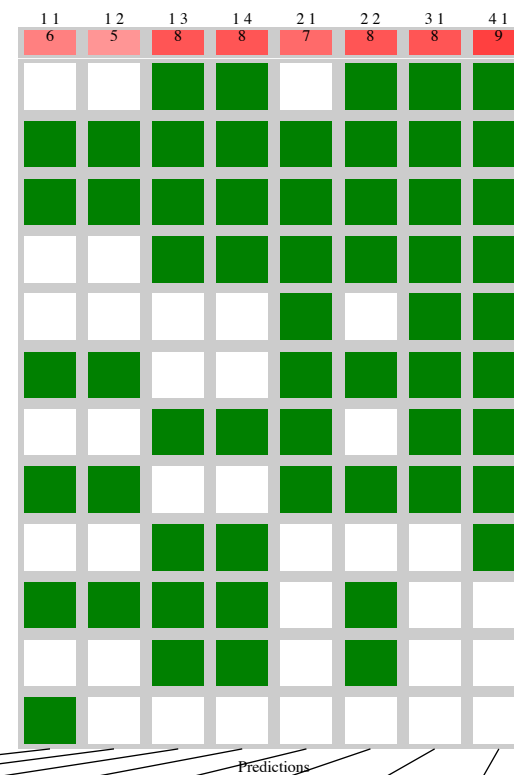
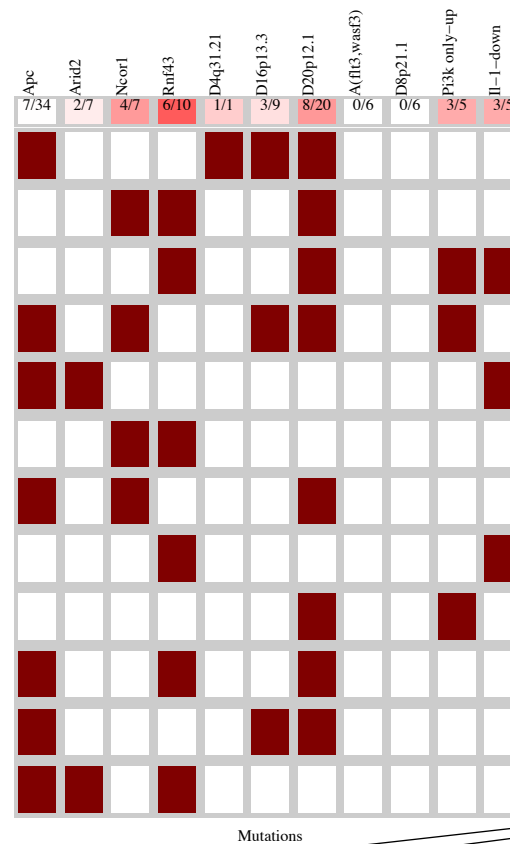
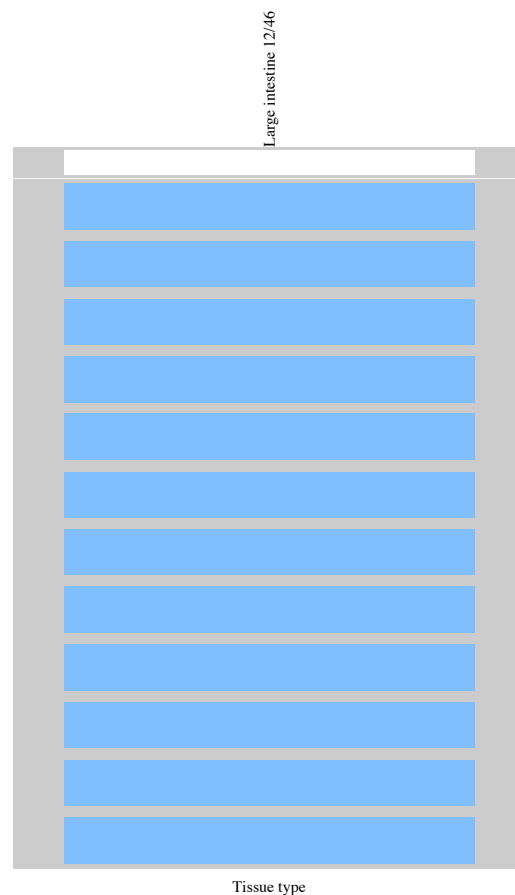
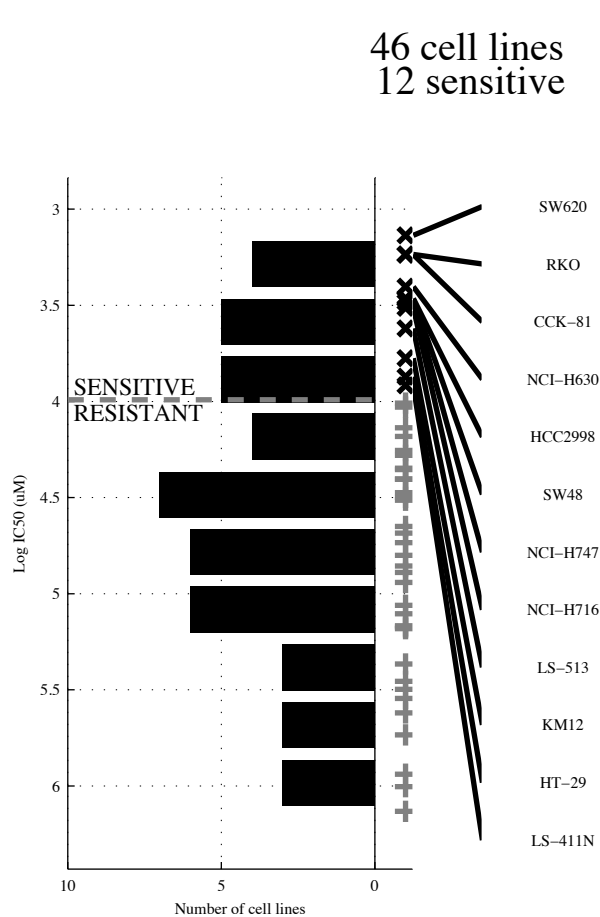
Large intestine 7/38



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>ARID1A</b>	<b>BMPR2 &amp; SMARCA4</b>	<b>BMPR2 &amp; LPHN2</b>	<b>APC &amp; d16q23 &amp; -a13q22 &amp; d3p14.</b>	<b>ARID1A   ARID2</b>	[ <b>APC &amp; IL-1-D</b> ]   [ <b>BMPR2 &amp; SMARCA4</b> ]	<b>ITSN1   MECOM   SRGAP3</b>	<b>ITSN1   MECOM   SRGAP3   d4q31.</b>
TP   FP Specificity	4   5 0.84	4   4 0.87	4   0 1	5   3 0.9	5   5 0.84	6   4 0.87	5   4 0.87	6   4 0.87
FN   TN Precision	3   26 0.44	3   27 0.5	3   31 1	2   28 0.63	2   26 0.5	1   27 0.6	2   27 0.56	1   27 0.6
Recall	0.57	0.57	0.57	0.71	0.71	0.86	0.71	0.86

COADREAD  
 id: 205 name: BMS-708163  
 target: g-secretase class: other

46 cell lines  
 12 sensitive

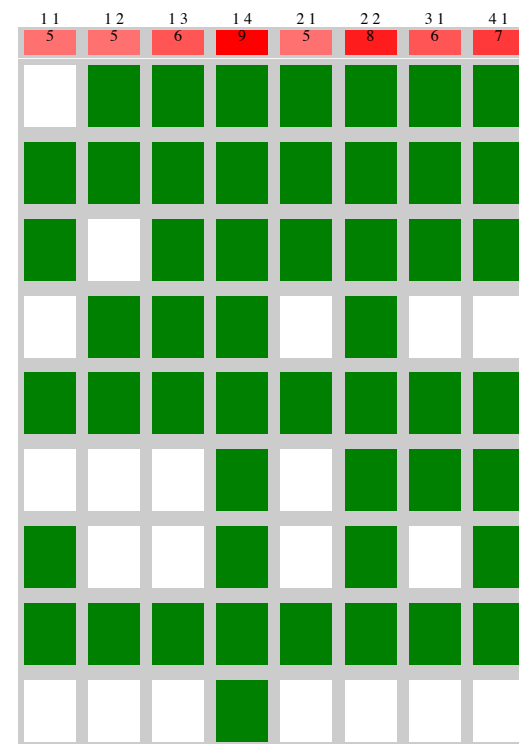
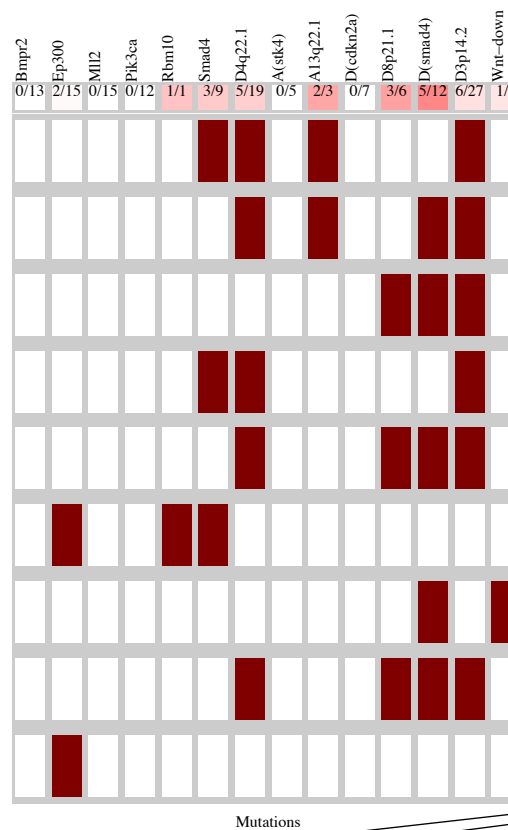
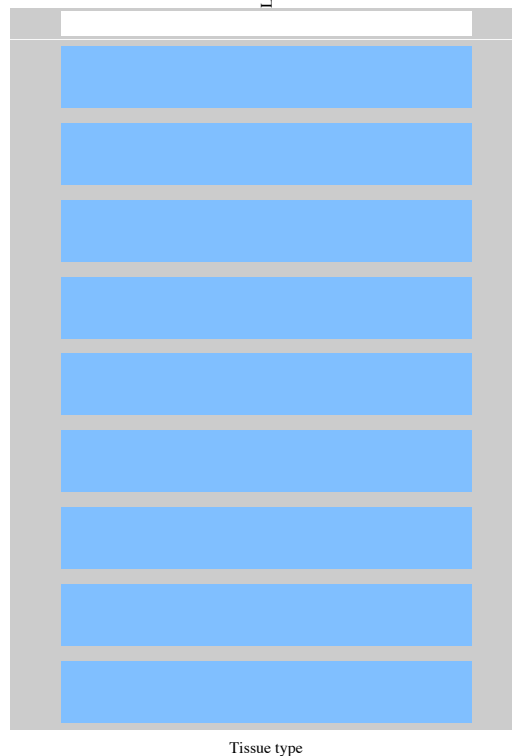
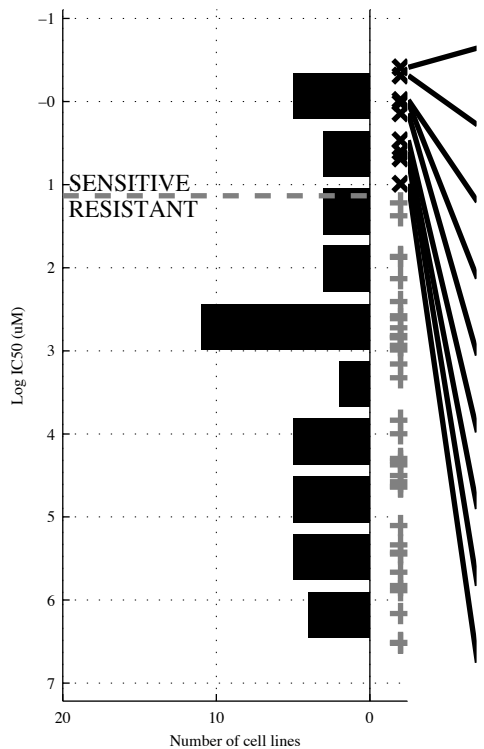


Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	M															
Logic formula	<b>RNF43</b>		<b>-ARID2 &amp; RNF43</b>		<b>-ARID2 &amp; d20p12 &amp; -d8p21.</b>		<b>-ARID2 &amp; d20p12 &amp; -a(FLT3 &amp; -d8p21.</b>		<b>NCOR1   IL-1-D</b>		<b>[ -ARID2 &amp; RNF43 ]   [ APC &amp; d16p13 ]</b>		<b>NCOR1   d4q31.   IL-1-D</b>		<b>NCOR1   d4q31.   PI3K o   IL-1-D</b>	
TP   FP	6   4	0.88	5   2	0.94	8   6	0.82	8   4	0.88	7   5	0.85	8   3	0.91	8   5	0.85	9   6	0.82
FN   TN	6   30	0.6	7   32	0.71	4   28	0.57	4   30	0.67	5   29	0.58	4   31	0.73	4   29	0.62	3   28	0.6
Specificity	0.88		0.94		0.82		0.88		0.85		0.91		0.85		0.82	
Precision	0.6		0.71		0.57		0.67		0.58		0.73		0.62		0.6	
Recall	0.5		0.42		0.67		0.67		0.58		0.67		0.67		0.75	

COADREAD  
 id: 224 name: AS605240  
 target: PI3Kgamma class: PI3K signaling

46 cell lines  
 9 sensitive

Large intestine 9/46

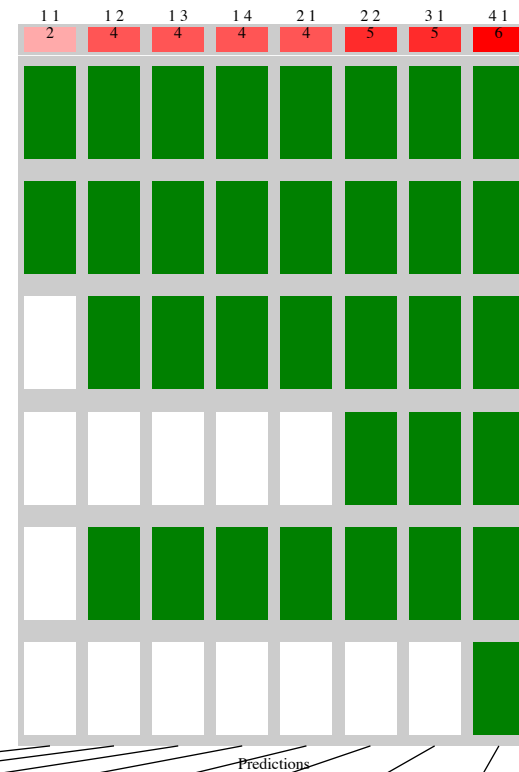
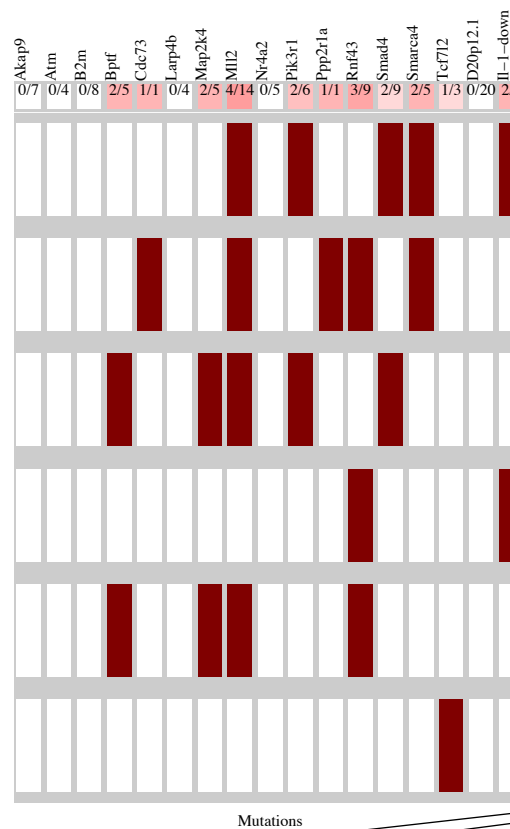
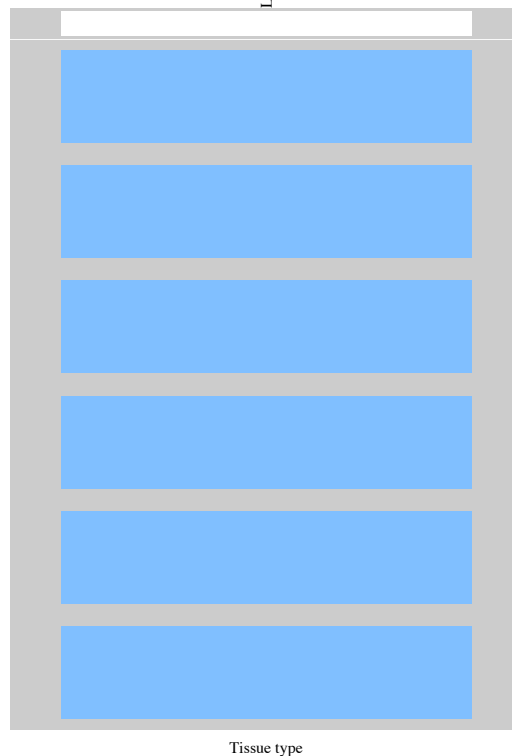
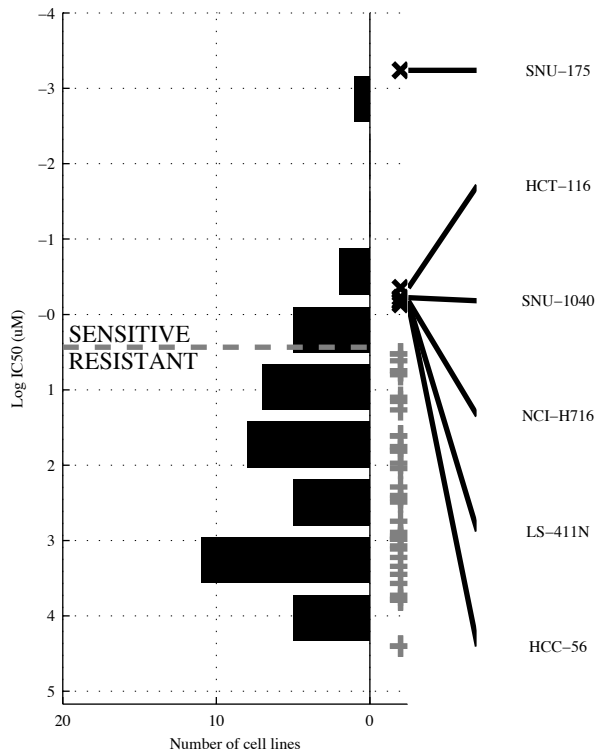


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d(SMAD)</b>	<b>¬PIK3C.&amp; d4q22.</b>	<b>¬EP300&amp;d(CDKN</b> <b>d3p14.</b>	<b>¬MLL2&amp;PIK3C.&amp;</b> <b>¬a(STK&amp;d(CDKN</b>	<b>a13q22   d8p21.</b>	<b>[¬BMPR&amp;d(SMAD]</b> <b> </b> <b>[¬PIK3C&amp;SMAD4]</b>	<b>RBM10   a13q22  </b> <b>d8p21.</b>	<b>RBM10   a13q22  </b> <b>d8p21.  Wnt-DO</b>
TP   FP	5   7	5   7	6   7	9   7	5   4	8   7	6   4	7   4
Specificity	0.81	0.81	0.81	0.81	0.89	0.81	0.89	0.89
FN   TN	4   30	4   30	3   30	0   30	4   33	1   30	3   33	2   33
Precision	0.42	0.42	0.46	0.56	0.56	0.53	0.6	0.64
Recall	0.56	0.56	0.67	1	0.56	0.89	0.67	0.78

COADREAD  
 id: 226 name: GSK1070916  
 target: AURKB class: mitosis

44 cell lines  
 6 sensitive

Large intestine 6/44

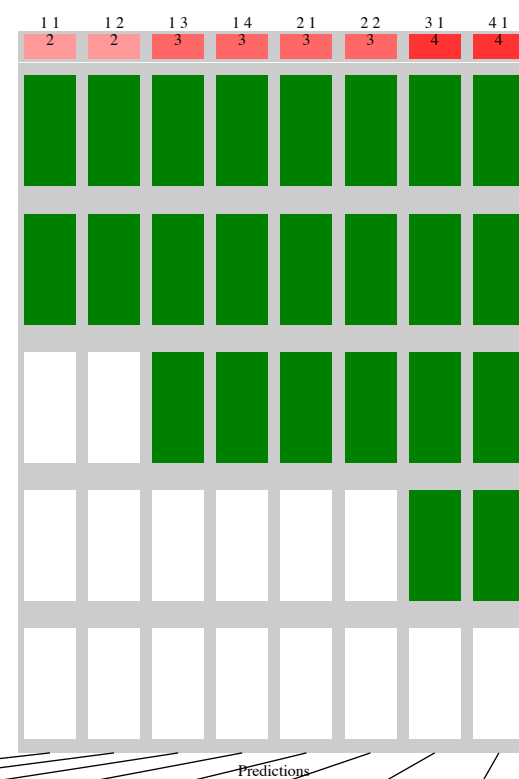
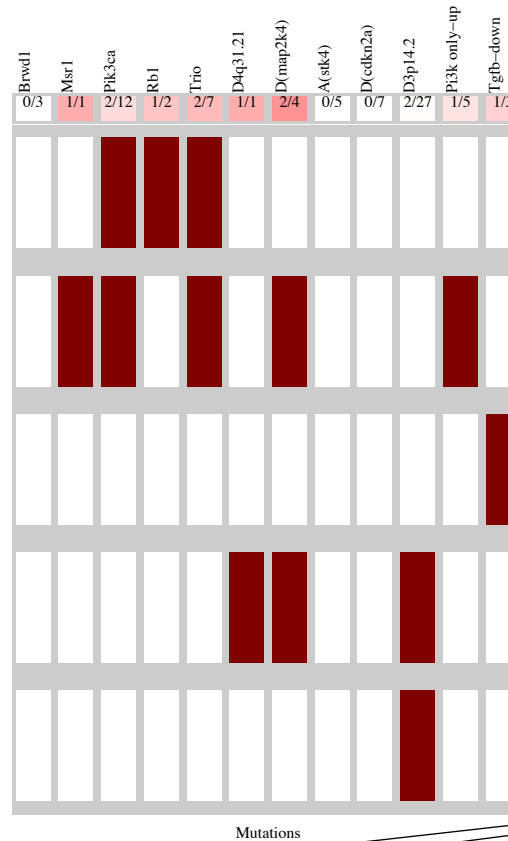
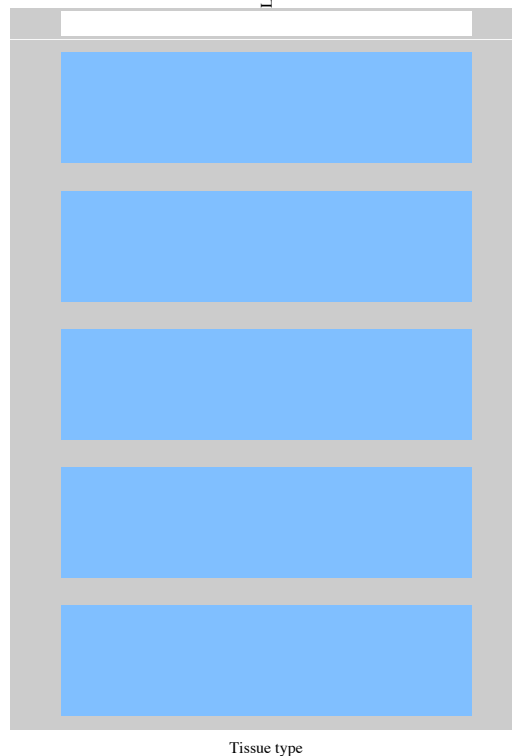
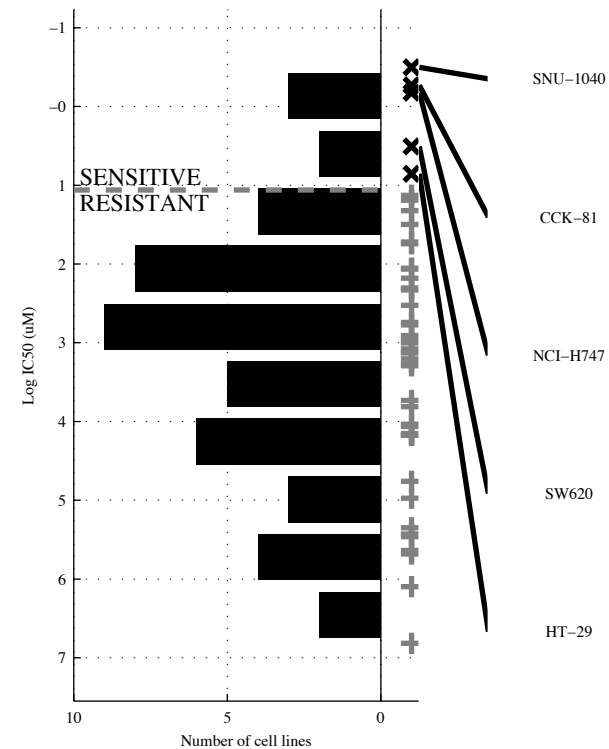


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>SMARCA</b>	<b>-AKAP9 &amp; MLL2</b>	<b>-B2M &amp; MLL2 &amp; -NR4A2</b>	<b>-ATM &amp; LARP4B &amp; MLL2 &amp; -d20p12</b>	<b>BPTF &amp; SMARCA</b>	<b>[ PIK3R1 &amp; SMAD4 ]   [ RNF43 &amp; -d20p12 ]</b>	<b>MAP2K4   PPP2R1     IL-1-D</b>	<b>CDC73   MAP2K4     TCF7L2   IL-1-D</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{2}{4} \mid \frac{3}{35}$ 0.92 0.4 0.33	$\frac{4}{2} \mid \frac{5}{33}$ 0.87 0.44 0.67	$\frac{4}{2} \mid \frac{2}{36}$ 0.95 0.67 0.67	$\frac{4}{2} \mid \frac{0}{38}$ 1 1 0.67	$\frac{4}{2} \mid \frac{4}{34}$ 0.89 0.5 0.67	$\frac{5}{1} \mid \frac{1}{37}$ 0.97 0.83 0.83	$\frac{5}{1} \mid \frac{5}{33}$ 0.87 0.5 0.83	$\frac{6}{0} \mid \frac{7}{31}$ 0.82 0.46 1

COADREAD  
 id: 229 name: LY317615  
 target: PRKCB (PKCbeta) class: other

46 cell lines  
 5 sensitive

Large intestine 5/46

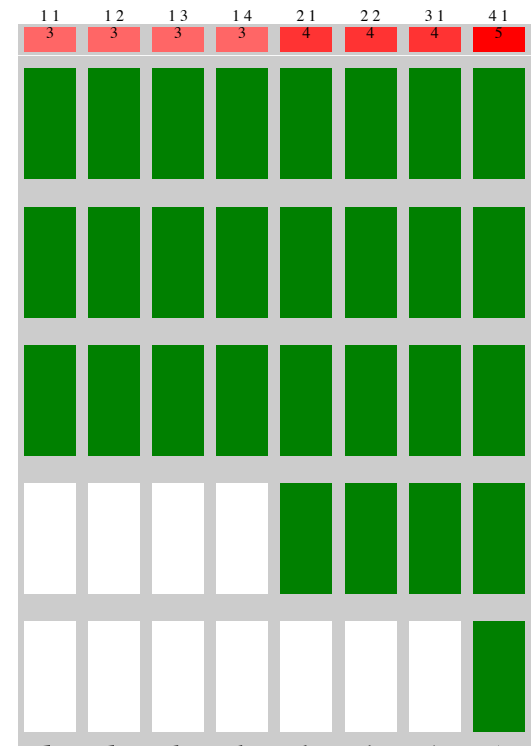
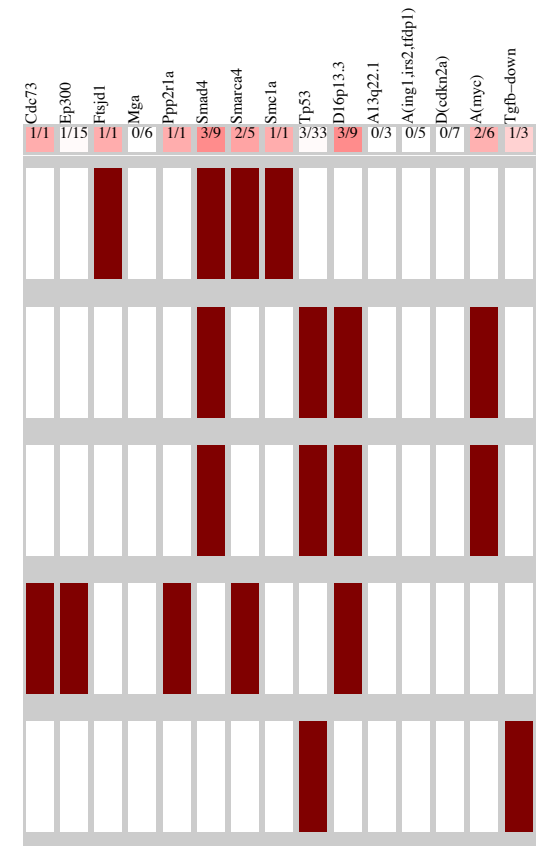
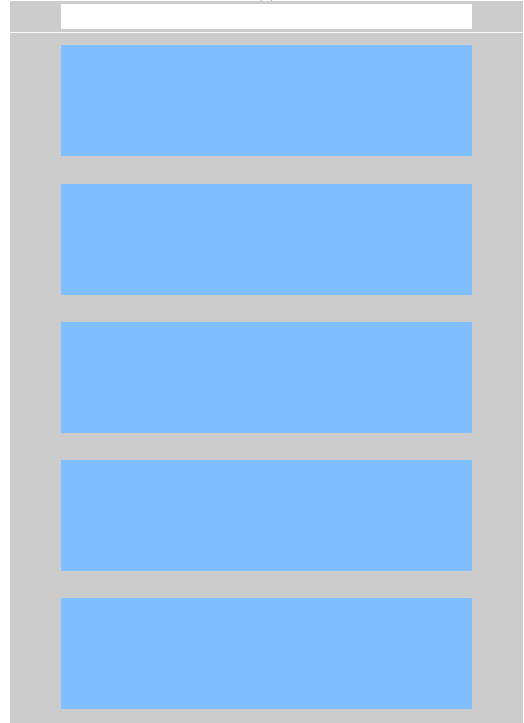
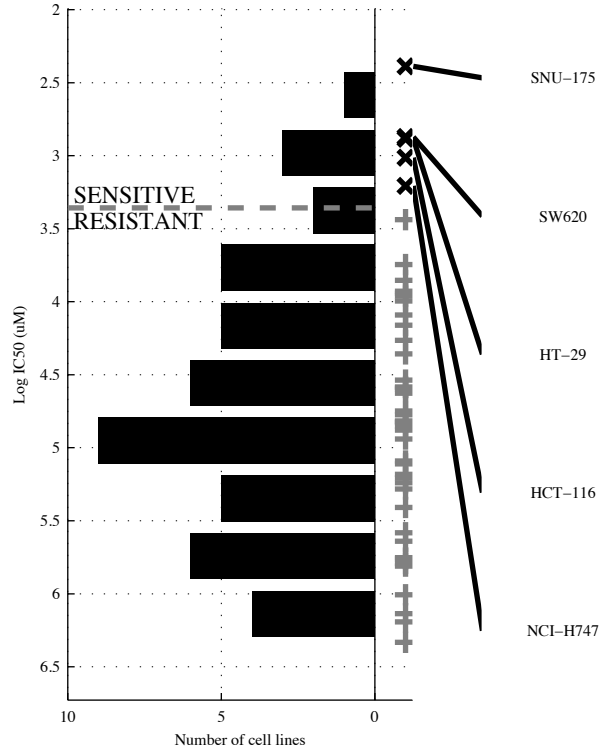


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>TRIO</b>	<b>PIK3CA &amp; TRIO</b>	<b>-a(STK4 &amp; d(CDK1 &amp; d3p14.</b>	<b>-BRWD &amp; -a(STK4 &amp; -d(CDK1 &amp; -d3p14.</b>	<b>TRIO   TGFB-D</b>	<b>[PIK3CA &amp; TRIO ]   [-PI3K o &amp; TGFB-D]</b>	<b>RB1   d(MAP21   TGFB-D</b>	<b>MSR1   RB1   d4q31.   TGFB-D</b>
TP   FP	2   5	2   1	3   7	3   4	3   6	3   1	4   5	4   3
Specificity	0.88	0.98	0.83	0.9	0.85	0.98	0.88	0.93
FN   TN	3   36	3   40	2   34	2   37	2   35	2   40	1   36	1   38
Precision	0.29	0.67	0.3	0.43	0.33	0.75	0.44	0.57
Recall	0.4	0.4	0.6	0.6	0.6	0.6	0.8	0.8

COADREAD  
 id: 253 name: XMD14-99  
 target: EPHB3, CAMK1 class: RTK signaling

46 cell lines  
 5 sensitive

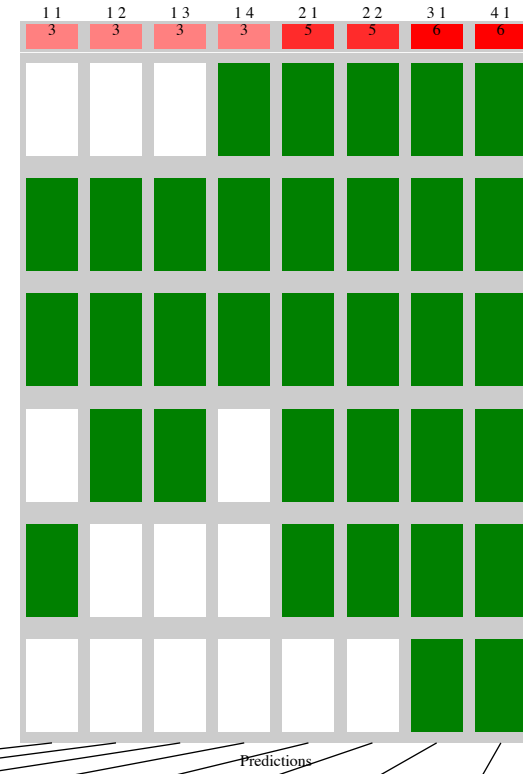
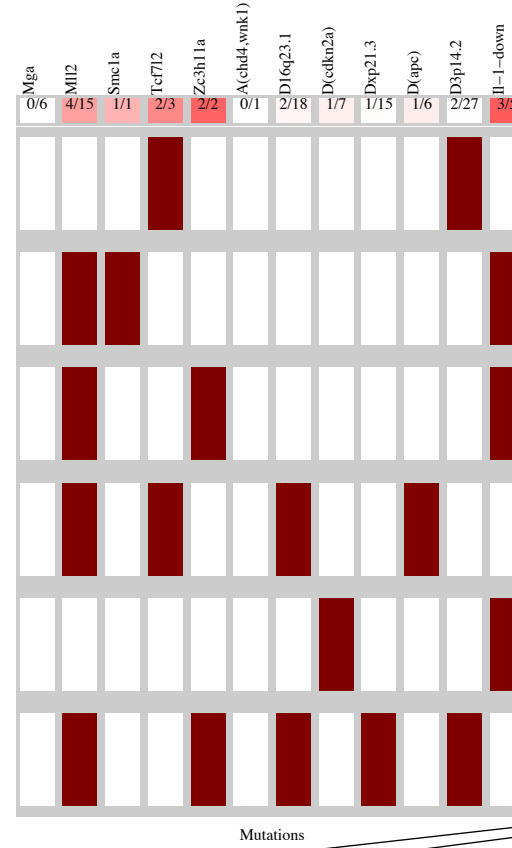
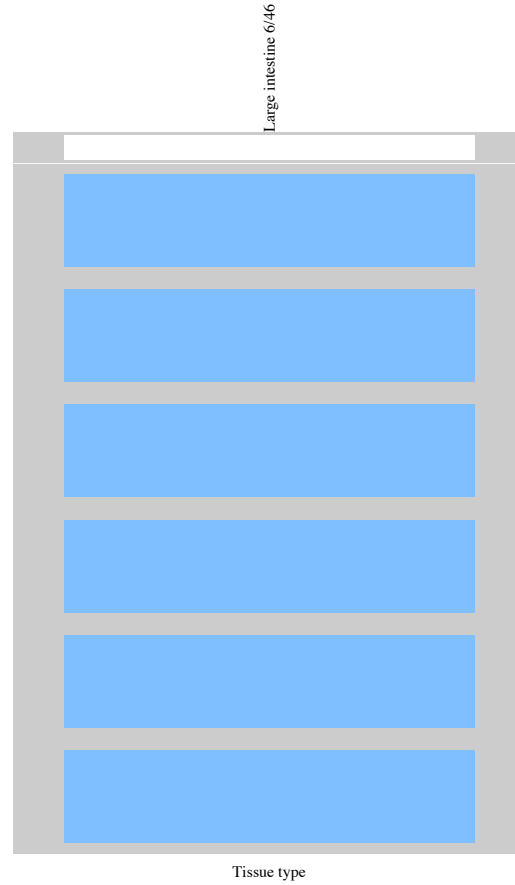
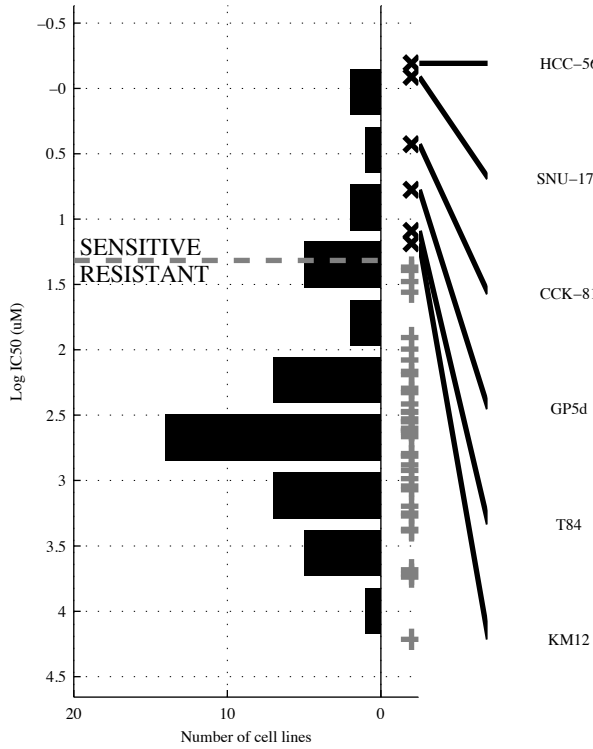
Large intestine 5/46



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>SMAD4</b>	<b>-EP300&amp;SMAD4</b>	<b>-MGA &amp; SMAD4&amp; -a13q22</b>	<b>-MGA &amp; SMAD4&amp; -a(ING1&amp;td(CDKN</b>	<b>FTSJD1   d16p13</b>	<b>[SMARCA4 &amp; -TP53 ]   [ SMAD4&amp;d16p13 ]</b>	<b>FTSJD1   PPP2R1   a(MYC)</b>	<b>CDC73   SMC1A   a(MYC)  TGFB-D</b>
TP   FP Specificity	3   6 0.85	3   3 0.93	3   2 0.95	3   1 0.98	4   6 0.85	4   1 0.98	4   4 0.9	5   6 0.85
FN   TN Precision	2   35 0.33	2   38 0.5	2   39 0.6	2   40 0.75	1   35 0.4	1   40 0.8	1   37 0.5	0   35 0.45
Recall	0.6	0.6	0.6	0.6	0.8	0.8	0.8	1

COADREAD  
 id: 254 name: AC220  
 target: FLT3 class: RTK signaling

46 cell lines  
 6 sensitive

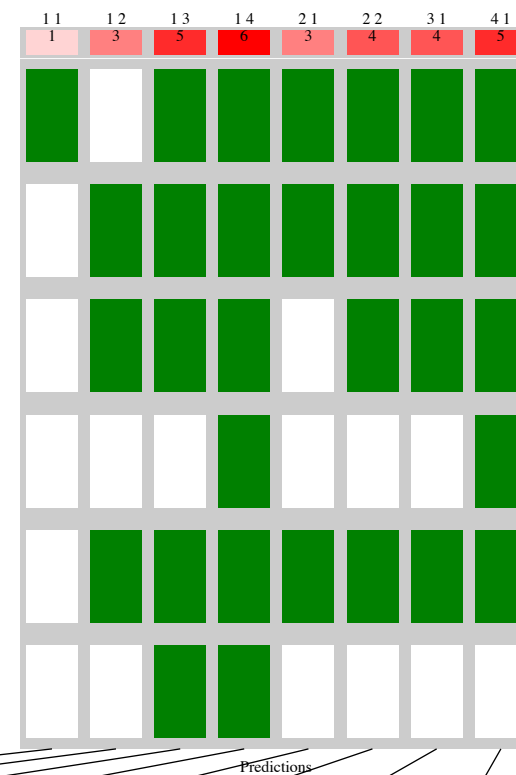
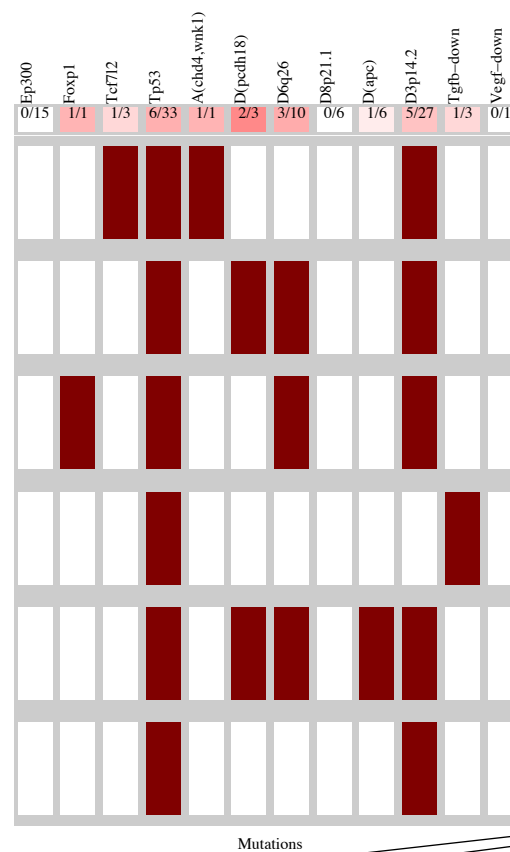
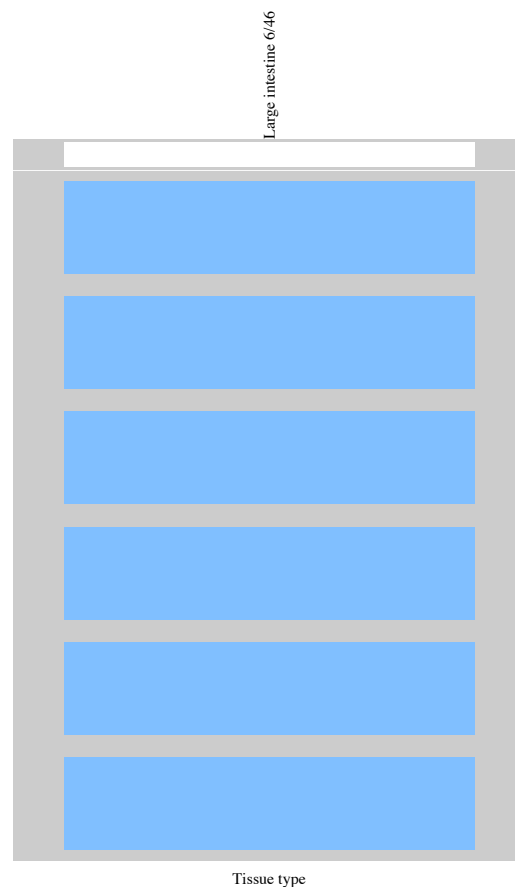
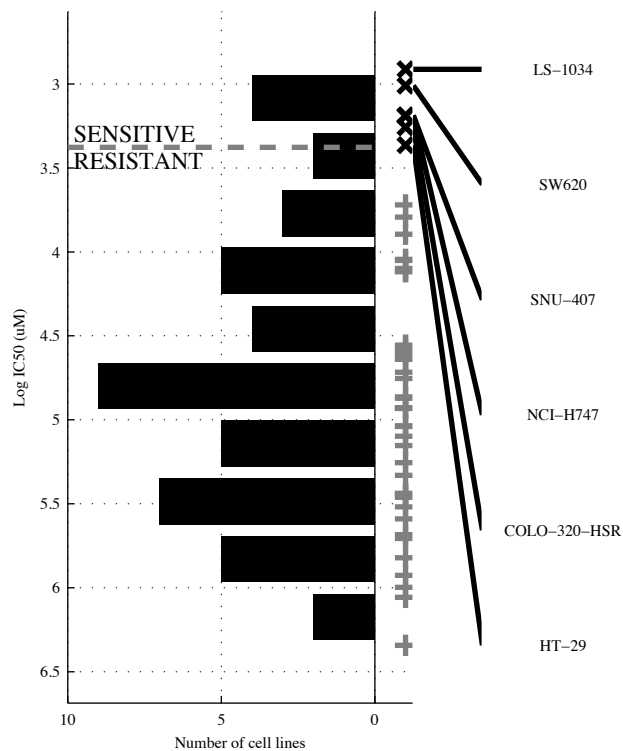


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>IL-1-D</b>	<b>MLL2 &amp; -d3p14.</b>	<b>-MGA &amp; MLL2 &amp; -d3p14.</b>	<b>-d16q23&amp;d(CDK2) &amp; -dXp21&amp;d(APC)</b>	<b>TCF7L2   IL-1-D</b>	<b>[ -d3p14.&amp;IL-1-D ]   [ TCF7L2 &amp; a(CHD4)</b>	<b>TCF7L2   ZC3H11   IL-1-D</b>	<b>SMC1A   TCF7L2   ZC3H11   IL-1-D</b>
TP   FP Specificity	3   2 0.95	3   1 0.97	3   0 1	3   7 0.82	5   3 0.93	5   0 1	6   3 0.93	6   3 0.93
FN   TN Precision	3   38 0.6	3   39 0.75	3   40 1	3   33 0.3	1   37 0.63	1   40 1	0   37 0.67	0   37 0.67
Recall	0.5	0.5	0.5	0.5	0.83	0.83	1	1



COADREAD  
 id: 258 name: STF-62247  
 target: stimulates autophagy class: other

46 cell lines  
 6 sensitive

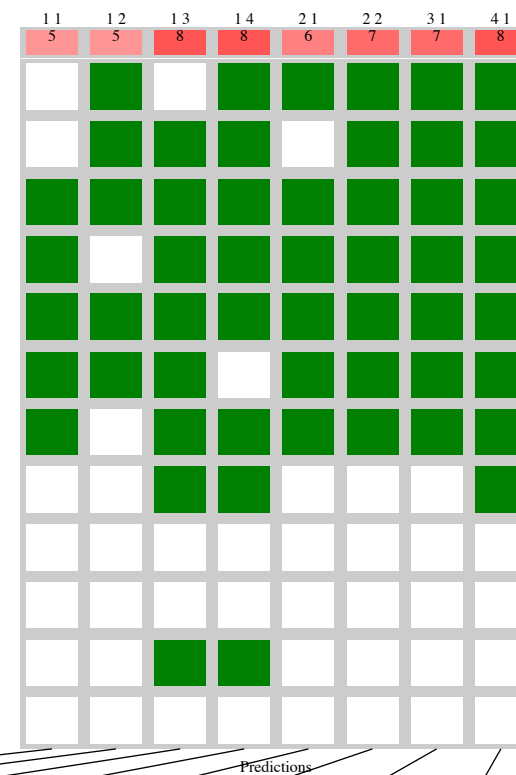
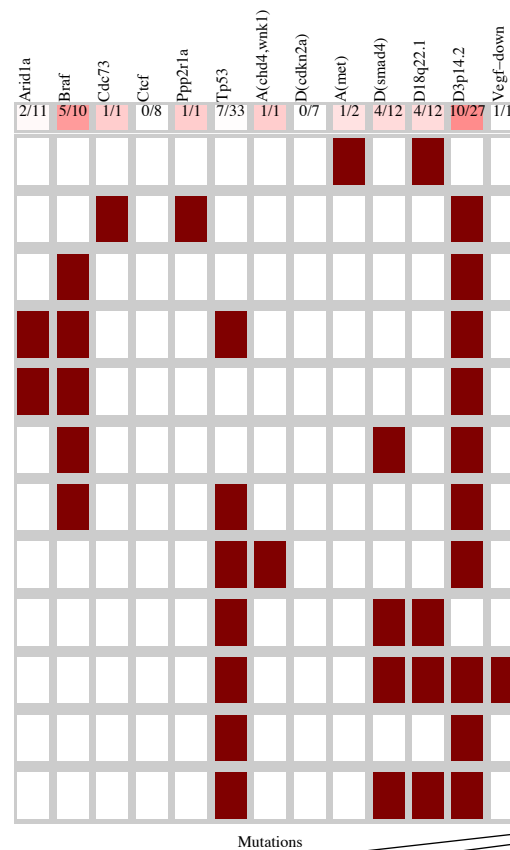
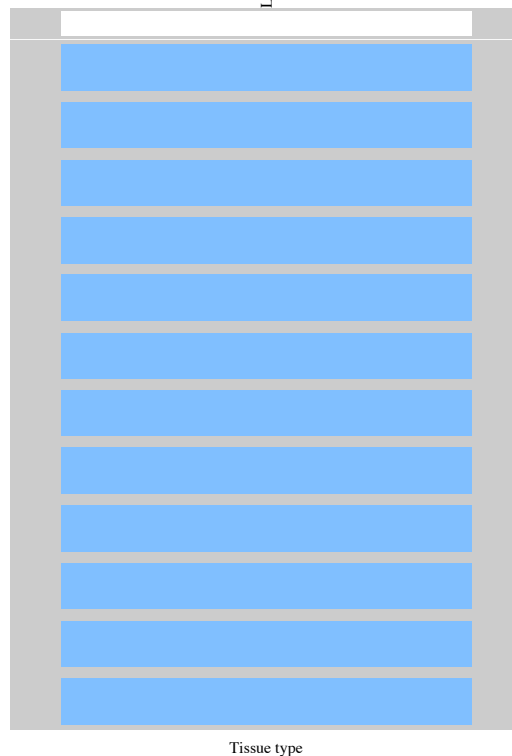
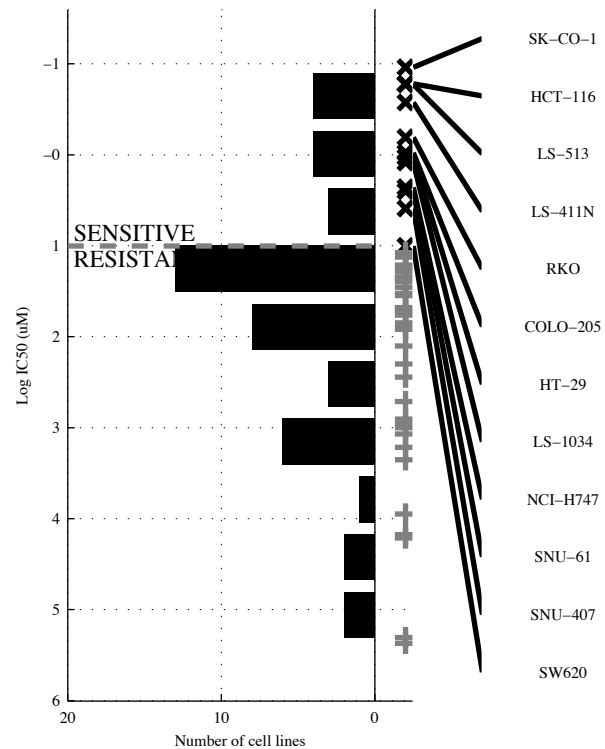


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a(CHD4)</b>	<b>d6q26 &amp; d3p14.</b>	<b>¬EP300&amp;¬d8p21&amp; d3p14.</b>	<b>¬EP300&amp; TP53 &amp; ¬d8p21.&amp;VEGF-D</b>	<b>a(CHD4 d(PCDH</b>	<b>[ d6q26 &amp; d3p14. ]   [TCF7L2&amp;¬d(APC)]</b>	<b>FOXP1  a(CHD4  d(PCDH</b>	<b>FOXP1  a(CHD4  d(PCDH TGFB-D</b>
TP   FP Specificity	1   0 1	3   4 0.9	5   7 0.82	6   5 0.88	3   1 0.97	4   4 0.9	4   1 0.97	5   3 0.93
FN   TN Precision	5   40 1	3   36 0.43	1   33 0.42	0   35 0.55	3   39 0.75	2   36 0.5	2   39 0.8	1   37 0.63
Recall	0.17	0.5	0.83	1	0.5	0.67	0.67	0.83

COADREAD  
 id: 262 name: VX-11e  
 target: ERK class: ERK MAPK signaling

46 cell lines  
 12 sensitive

Large intestine 12/46

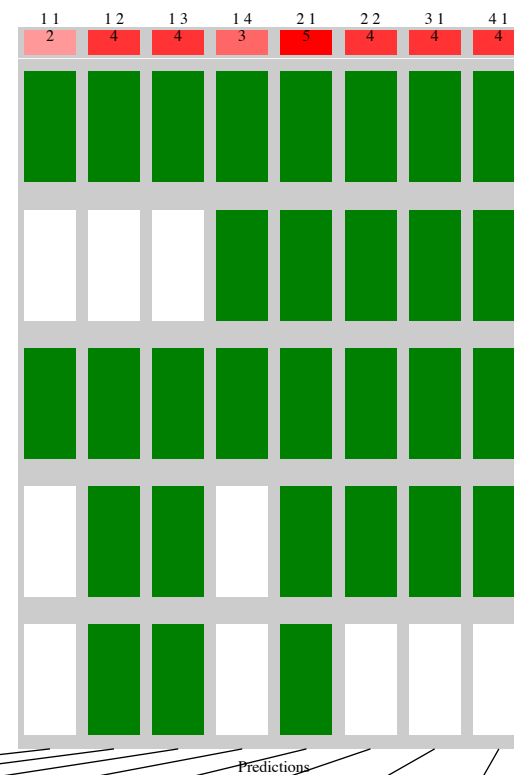
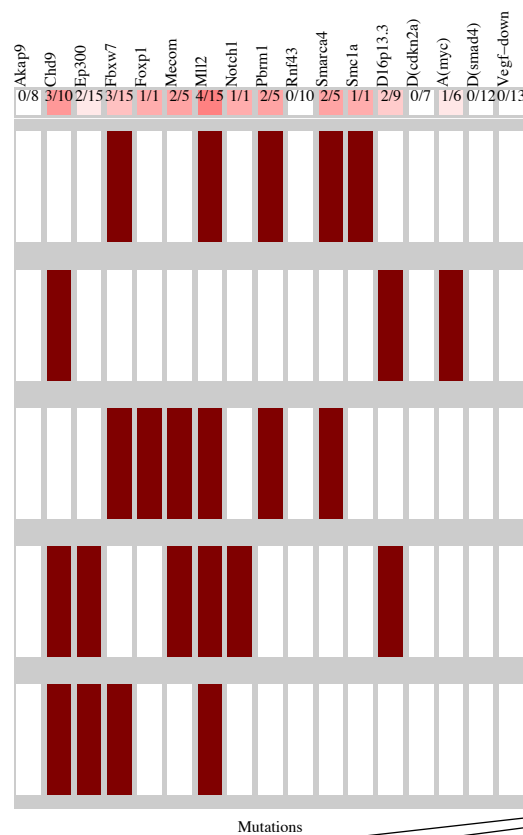
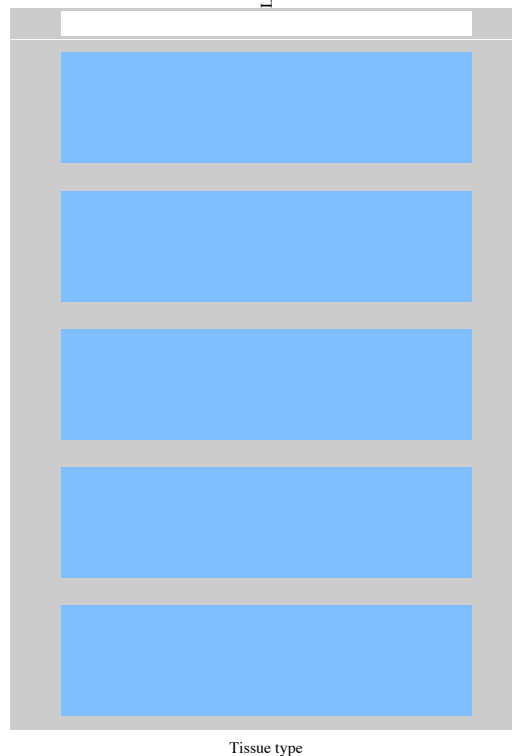
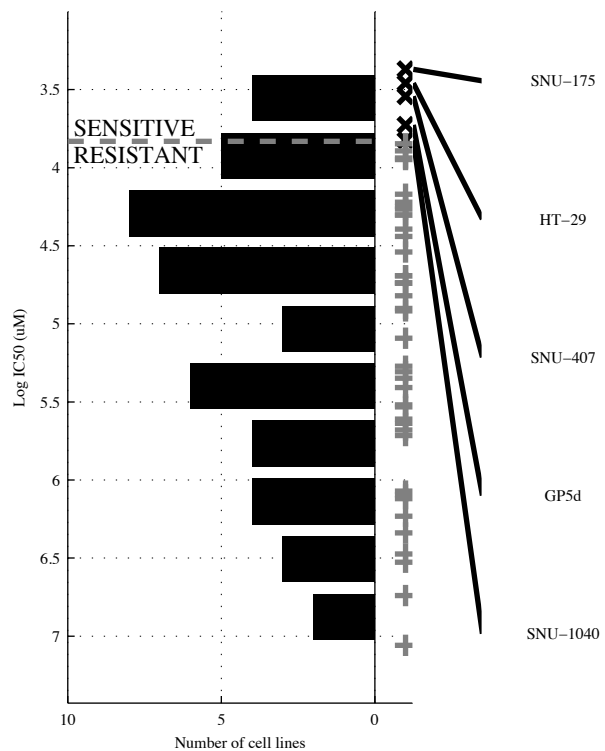


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>BRAF</b>	<b>-CTCF &amp; -TP53</b>	<b>-CTCF &amp; -d18q22 &amp; d3p14.</b>	<b>-CTCF &amp; d(CDK) &amp; -d(SMA) &amp; VEGF-D</b>	<b>BRAF   a(MET)</b>	<b>[ -ARID1 &amp; -TP53 ]   [ BRAF &amp; d3p14. ]</b>	<b>BRAF   PPP2R1   a(MET)</b>	<b>BRAF   CDC73   a(CHD4   a(MET))</b>
TP   FP	5   5	5   4	8   6	8   6	6   5	7   5	7   5	8   5
Specificity	0.85	0.88	0.82	0.82	0.85	0.85	0.85	0.85
FN   TN	7   29	7   30	4   28	4   28	6   29	5   29	5   29	4   29
Precision	0.5	0.56	0.57	0.57	0.55	0.58	0.58	0.62
Recall	0.42	0.42	0.67	0.67	0.5	0.58	0.58	0.67

COADREAD  
 id: 263 name: FR-180204  
 target: ERK class: ERK MAPK signaling

46 cell lines  
 5 sensitive

Large intestine 5/46

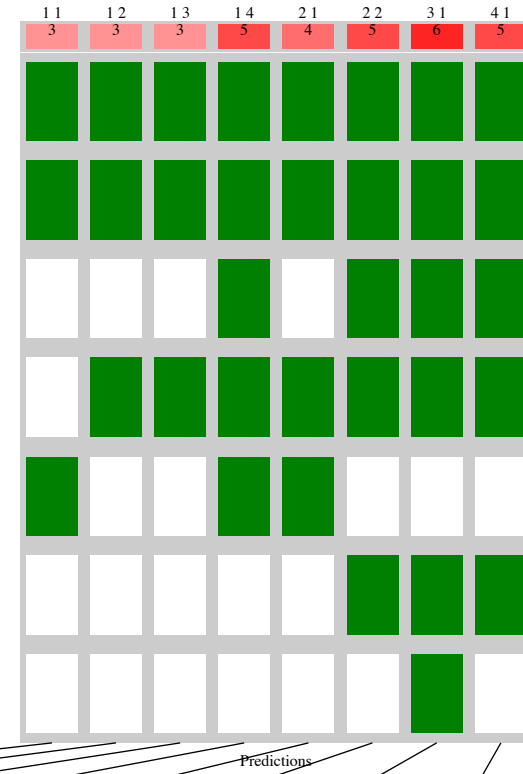
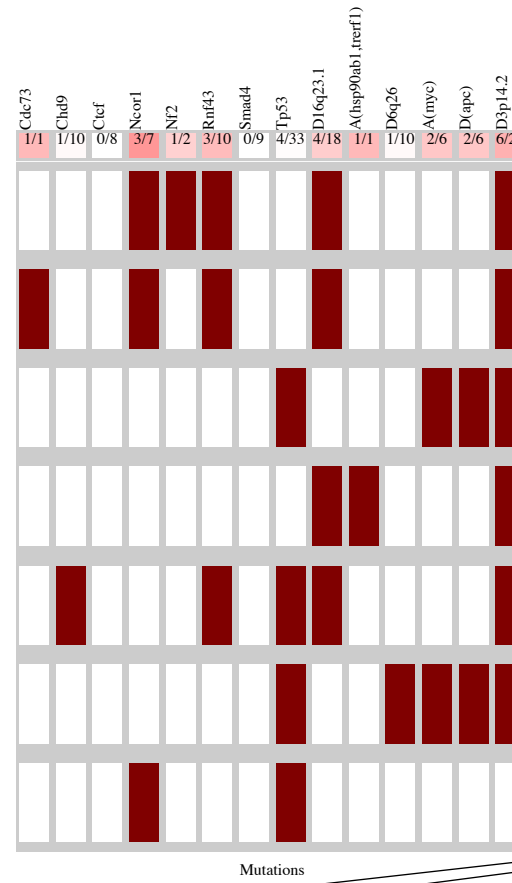
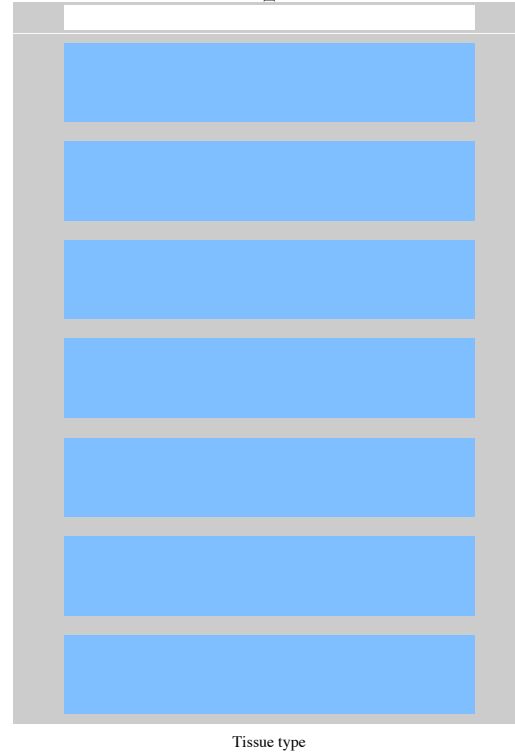
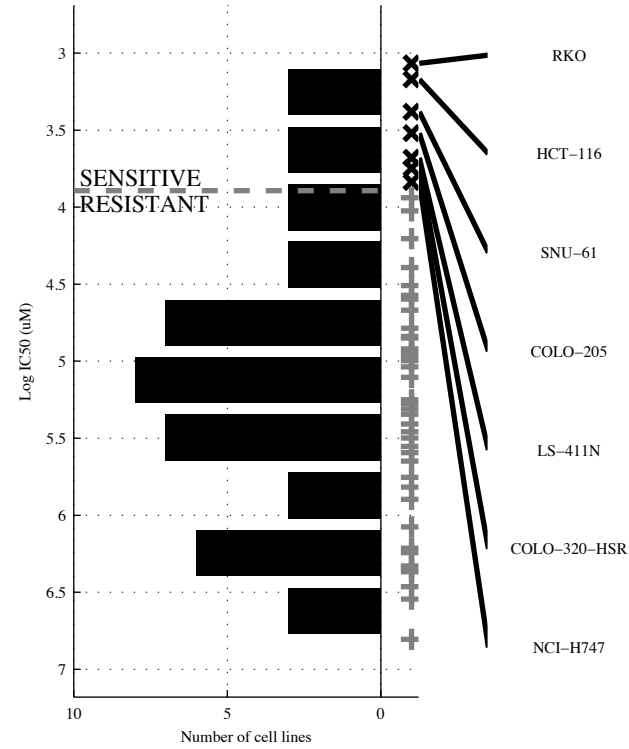


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>SMARCA</b>	<b>-AKAP9 &amp; MLL2</b>	<b>-AKAP9 &amp; MLL2 &amp; -RNF43</b>	<b>-EP300 &amp; d(CDK9) &amp; -d(SMARCA) &amp; VEGF-D</b>	<b>CHD9   PBRM1</b>	<b>[ CHD9 &amp; d16p13 ]   [ FBXW7 &amp; MARCA ]</b>	<b>MECOM   SMC1A   a(MYC)</b>	<b>FOXP1 NOTCH1   SMC1A   a(MYC)</b>
TP   FP	2   3	4   5	4   1	3   6	5   8	4   1	4   8	4   5
Specificity	0.93	0.88	0.98	0.85	0.8	0.98	0.8	0.88
FN   TN	3   38	1   36	1   40	2   35	0   33	1   40	1   33	1   36
Precision	0.4	0.44	0.8	0.33	0.38	0.8	0.33	0.44
Recall	0.4	0.8	0.8	0.6	1	0.8	0.8	0.8

COADREAD  
 id: 265 name: Tubastatin A  
 target: HDAC6 class: chromain histone acetylation

46 cell lines  
 7 sensitive

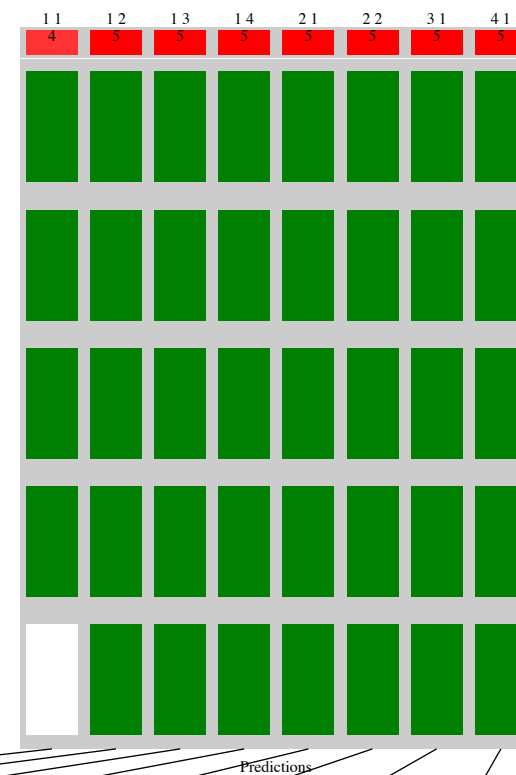
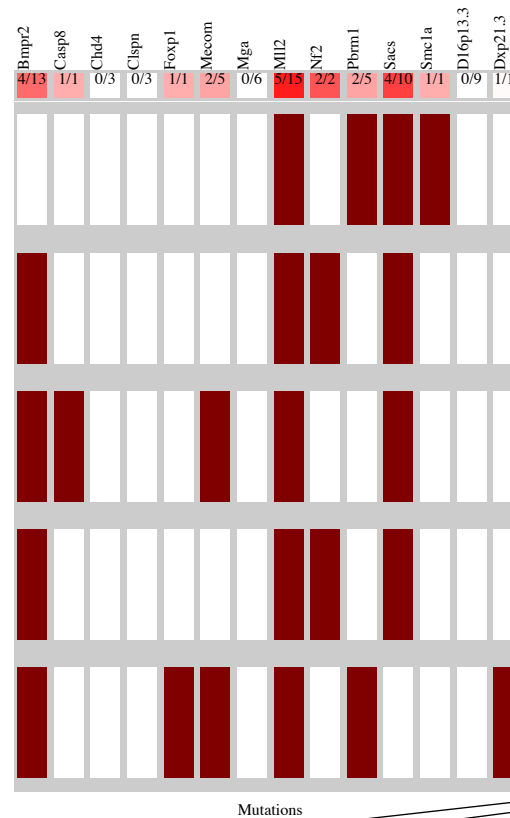
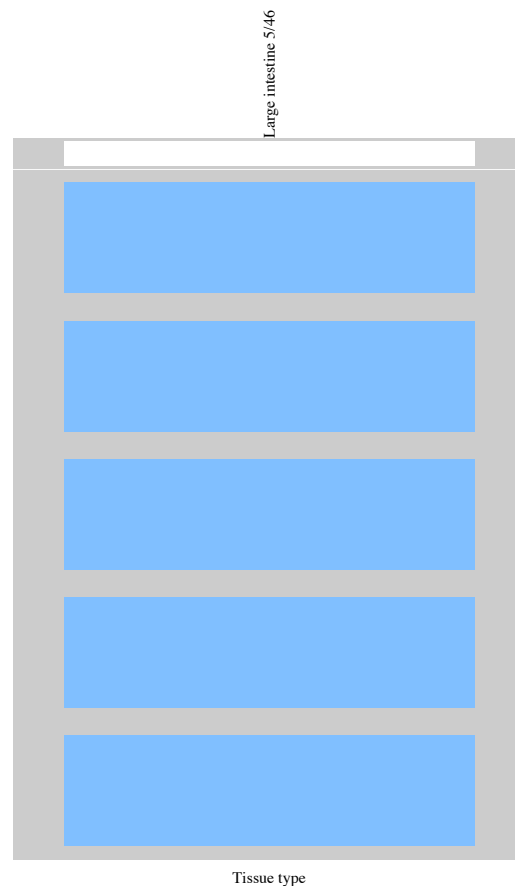
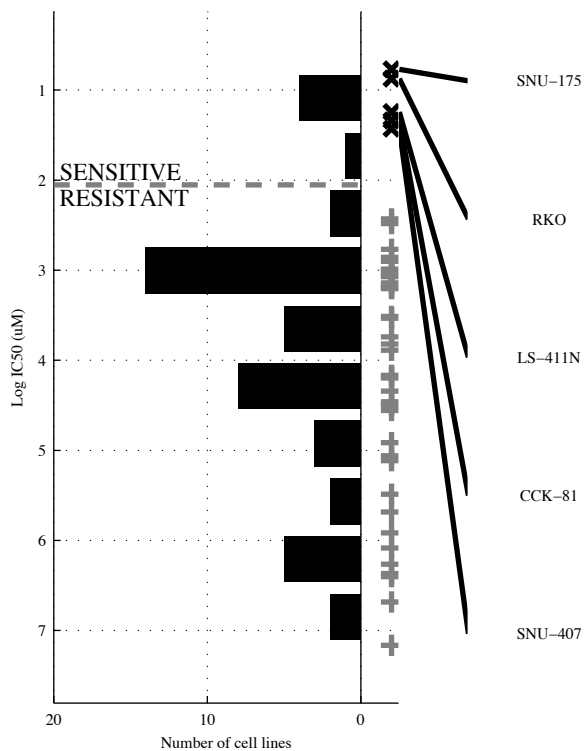
Large intestine 7/46



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>RNF43</b>	<b>-TP53 &amp; d16q23</b>	<b>-CHD9 &amp; -TP53 &amp; d16q23</b>	<b>-CTCF &amp; SMAD &amp; -d6q26 &amp; d3p14.</b>	<b>RNF43   a(HSP9</b>	<b>[ a(MYC) &amp; d(APC) ]   [ -TP53 &amp; d16q23 ]</b>	<b>NCOR1   a(HSP9   d(APC)</b>	<b>CDC73   NF2   a(HSP9   a(MYC)</b>
TP   FP Specificity	3   7 0.82	3   3 0.92	3   0 1	5   7 0.82	4   7 0.82	5   3 0.92	6   6 0.85	5   5 0.87
FN   TN Precision	4   32 0.3	4   36 0.5	4   39 1	2   32 0.42	3   32 0.36	2   36 0.63	1   33 0.5	2   34 0.5
Recall	0.43	0.43	0.43	0.71	0.57	0.71	0.86	0.71

COADREAD  
 id: 275 name: I-BET 151  
 target: BRD2, BRD3, BRD4 class: chromatin other

46 cell lines  
 5 sensitive

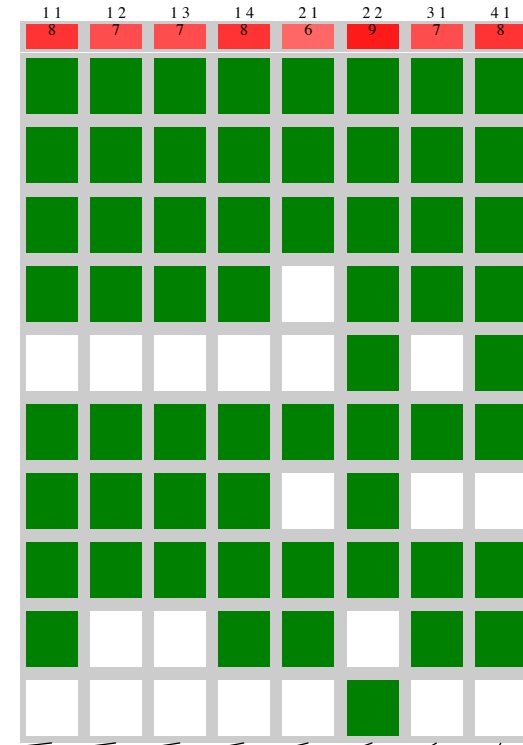
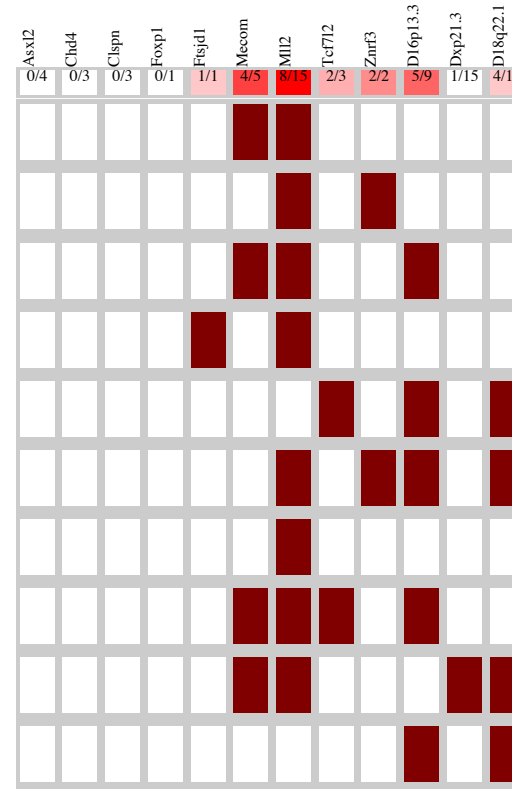
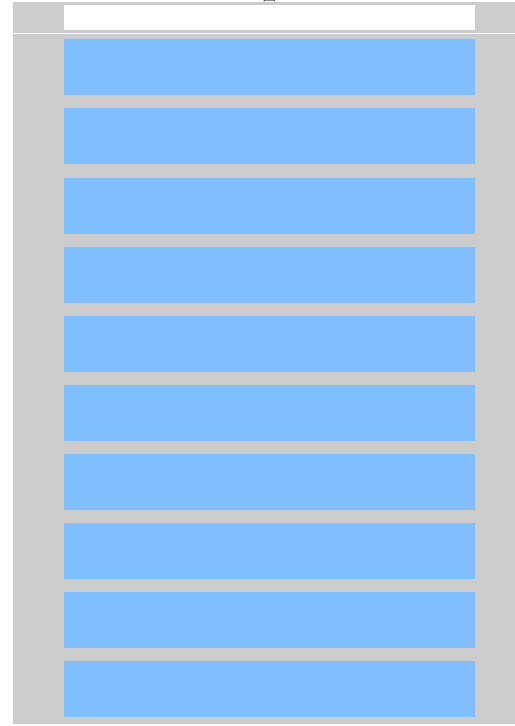
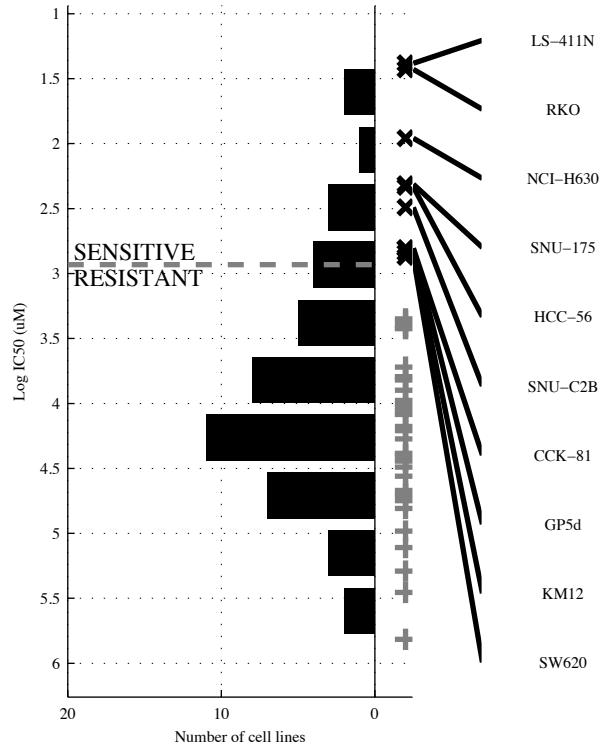


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>SACS</b>	<b>-CHD4 &amp; MLL2</b>	<b>-CHD4 &amp; -CLSPN &amp; MLL2</b>	<b>-CHD4 &amp; -CLSPN &amp; MLL2 &amp; -d16p13</b>	<b>FOXP1   SACS</b>	<b>[ -MGA &amp; PBRM1 ]   [ BMPR2 &amp; -dXp21. ]</b>	<b>MECOM   NF2   SMC1A</b>	<b>CASP8   FOXP1   NF2   SMC1A</b>
TP   FP	4   6	5   7	5   5	5   2	5   6	5   3	5   3	5   0
Specificity	0.85	0.83	0.88	0.95	0.85	0.93	0.93	1
FN   TN	1   35	0   34	0   36	0   39	0   35	0   38	0   38	0   41
Precision	0.4	0.42	0.5	0.71	0.45	0.63	0.63	1
Recall	0.8	1	1	1	1	1	1	1

COADREAD  
 id: 281 name: CH5424802  
 target: ALK class: RTK signaling

46 cell lines  
 10 sensitive

Large intestine 10/46

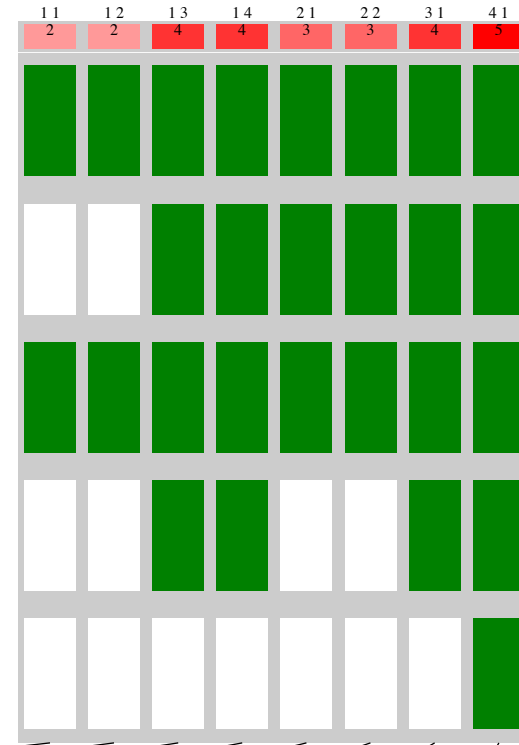
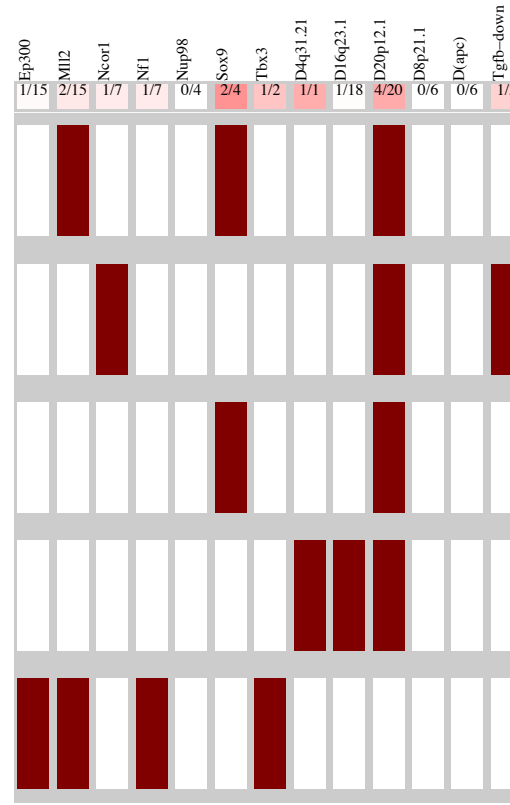
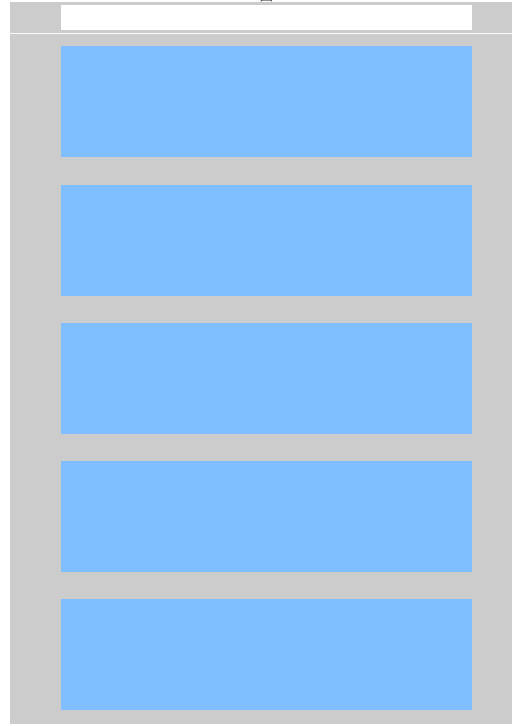
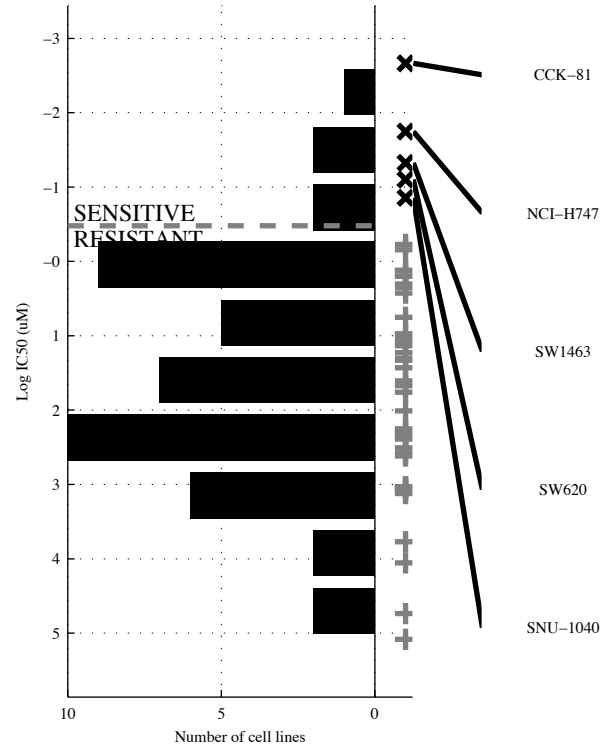


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>MLL2</b>	<b>MLL2 &amp; -dXp21.</b>	<b>-ASXL2 &amp; MLL2 &amp; -dXp21.</b>	<b>-CHD4 &amp; -CLSPN &amp; -FOXP1 &amp; MLL2</b>	<b>MECOMI ZNRF3</b>	<b>[ MLL2 &amp; -dXp21. ]   [ d16p13 &amp; d18q22 ]</b>	<b>FTSJD1 MECOMI ZNRF3</b>	<b>FTSJD1 MECOMI TCF7L2   ZNRF3</b>
TP   FP Specificity FN   TN Precision Recall	8   7 0.81 2   29 0.53 0.8	7   2 0.94 3   34 0.78 0.7	7   1 0.97 3   35 0.88 0.7	8   1 0.97 2   35 0.89 0.8	6   1 0.97 4   35 0.86 0.6	9   2 0.94 1   34 0.82 0.9	7   1 0.97 3   35 0.88 0.7	8   2 0.94 2   34 0.8

COADREAD  
 id: 282 name: EKB-569  
 target: EGFR class: EGFR signaling

46 cell lines  
 5 sensitive

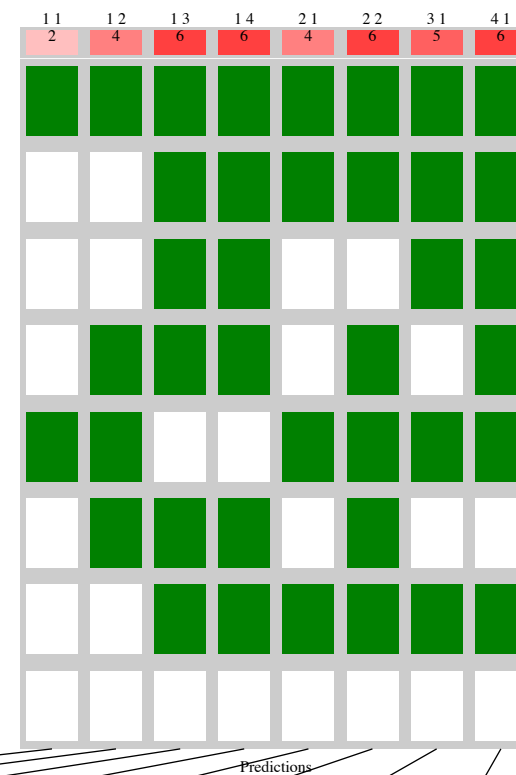
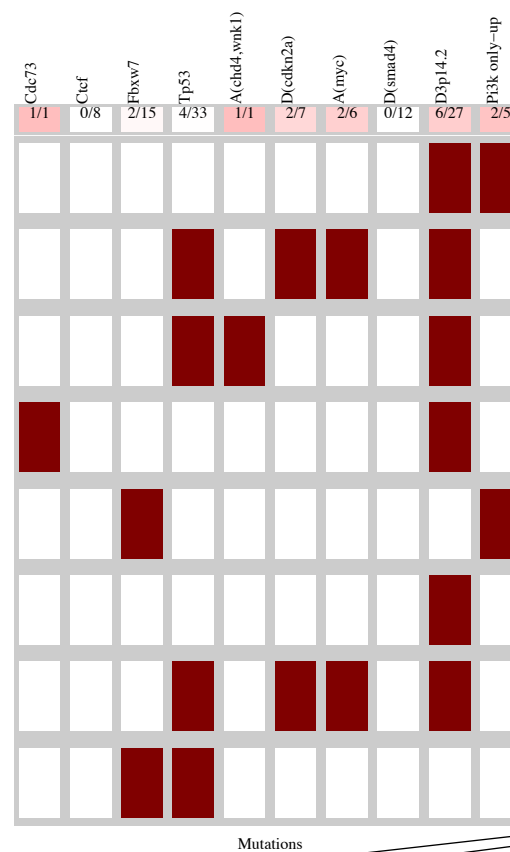
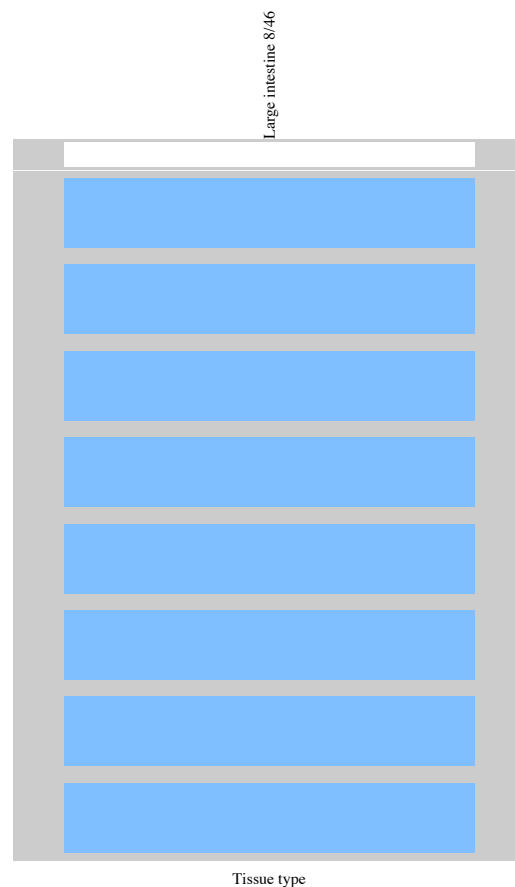
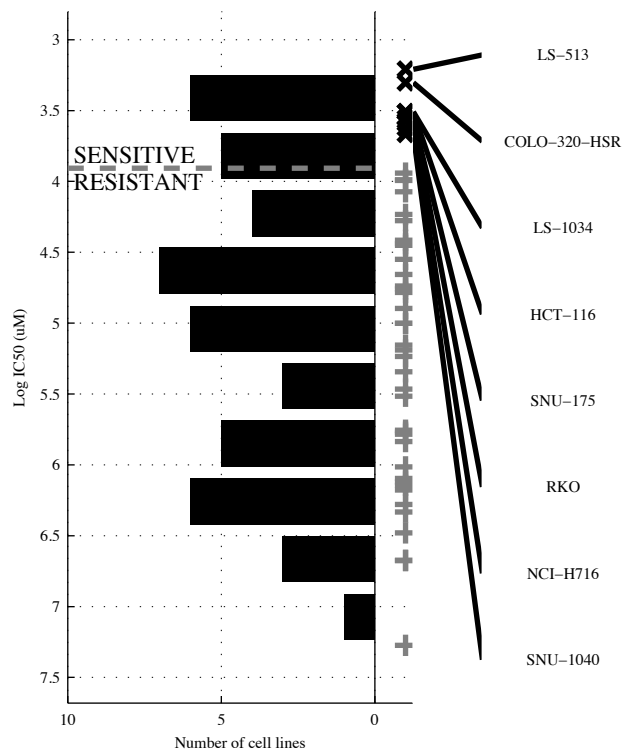
Large intestine 5/46



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>SOX9</b>	<b>~NUP98 &amp; SOX9</b>	<b>~EP300 &amp; d20p12 &amp; ~d8p21.</b>	<b>~NF1 &amp; d20p12 &amp; ~d8p21. &amp; ~d(APC)</b>	<b>SOX9   TGFB-D</b>	<b>[ ~MLL2 &amp; NCOR1 ]   [ SOX9 &amp; ~d16q23 ]</b>	<b>SOX9   d4q31.   TGFB-D</b>	<b>SOX9   TBX3   d4q31.   TGFB-D</b>
TP   FP	2   2	2   0	4   8	4   7	3   4	3   0	4   4	5   5
Specificity	0.95	1	0.8	0.83	0.9	1	0.9	0.88
FN   TN	3   39	3   41	1   33	1   34	2   37	2   41	1   37	0   36
Precision	0.5	1	0.33	0.36	0.43	1	0.5	0.5
Recall	0.4	0.4	0.8	0.8	0.6	0.6	0.8	1

COADREAD  
 id: 290 name: KIN001-260  
 target: IKK class: other

46 cell lines  
 8 sensitive



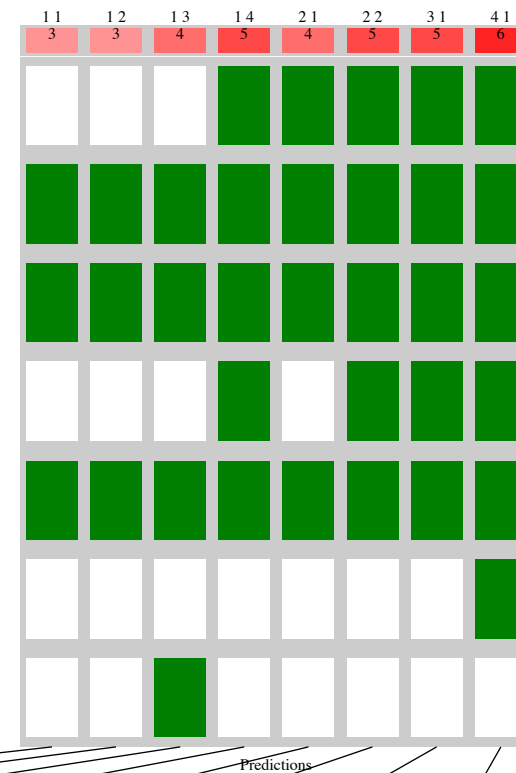
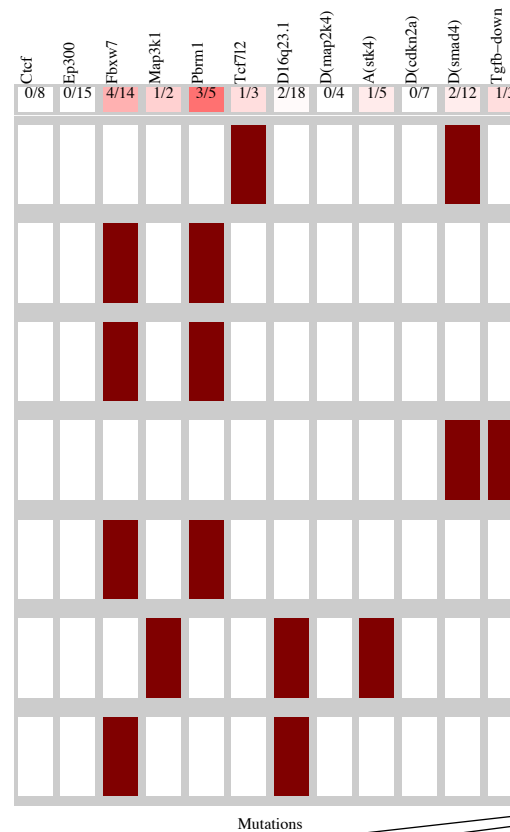
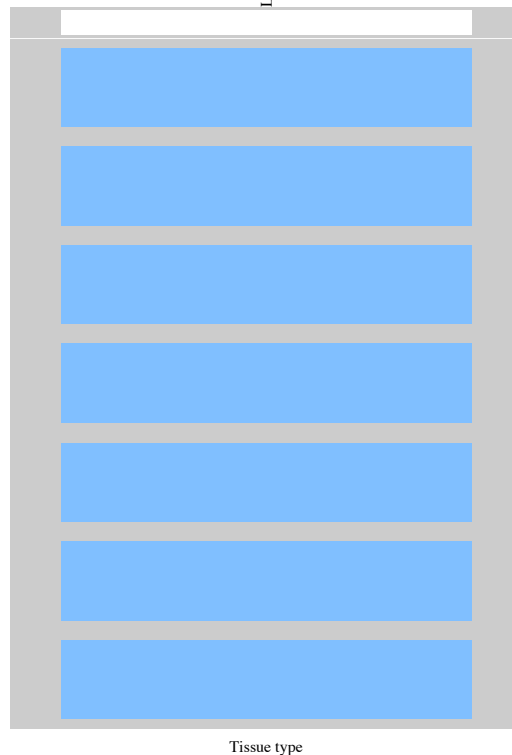
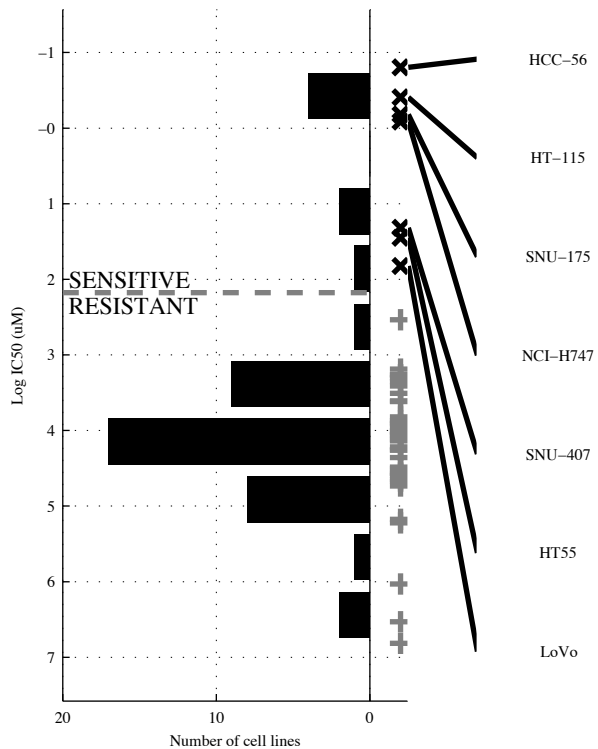
Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>PI3K o</b>		<b>-CTCF &amp; -TP53</b>		<b>-FBXW &amp; d(SMA &amp; d3p14.</b>		<b>-CTCF &amp; FBXW &amp; -d(SMA &amp; d3p14.</b>		<b>a(MYC)   PI3K o</b>		<b>[ -CTCF &amp; -TP53 ]   [d(CDKN &amp; a(MYC)]</b>		<b>a(CHD4   a(MYC)   PI3K o</b>		<b>CDC73   a(CHD4   a(MYC)   PI3K o</b>	
TP   FP Specificity	2   3	0.92	4   5	0.87	6   6	0.84	6   3	0.92	4   7	0.82	6   5	0.87	5   7	0.82	6   7	0.82
FN   TN Precision	6   35	0.4	4   33	0.44	2   32	0.5	2   35	0.67	4   31	0.36	2   33	0.55	3   31	0.42	2   31	0.46
Recall		0.25		0.5		0.75		0.75		0.5		0.75		0.63		0.75



COADREAD  
 id: 293 name: MP470  
 target: PDGFR class: RTK signaling

45 cell lines  
 7 sensitive

Large intestine 7/45

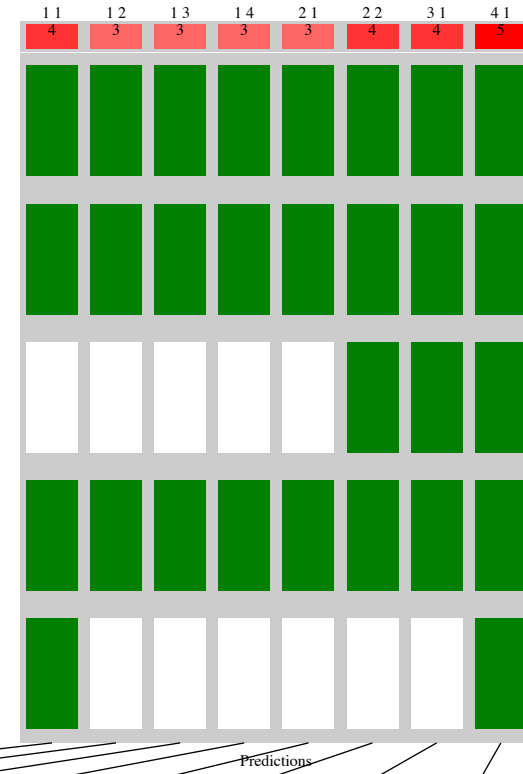
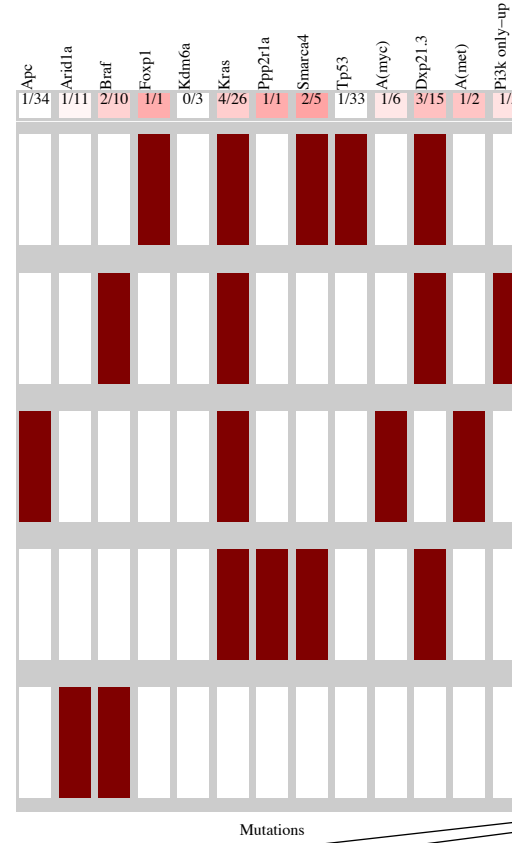
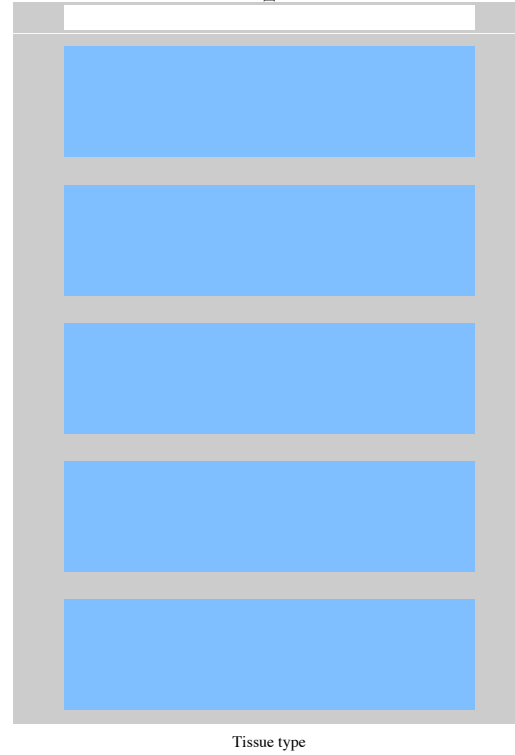
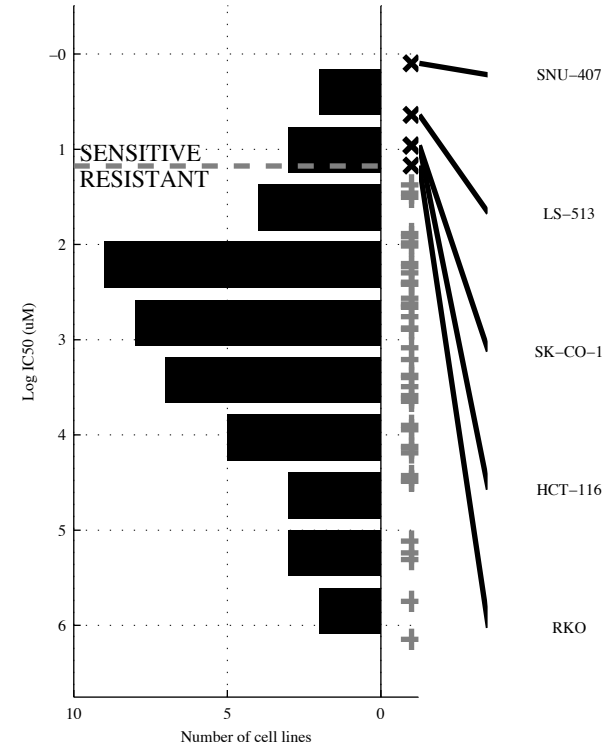


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>PBRM1</b>	<b>¬CTCF&amp;PBRM1</b>	<b>¬EP300&amp;FBXW7&amp;¬d(MAP2)</b>	<b>¬EP300&amp;¬d16q23&amp;¬a(STK&amp;d(CDKN</b>	<b>PBRM1   TCF7L2</b>	<b>[¬d16q23&amp;d(SMAD)   [¬CTCF&amp;PBRM1]</b>	<b>PBRM1   TCF7L2   TGFB-D</b>	<b>MAP3K1   PBRM1   TCF7L2   TGFB-D</b>
TP   FP Specificity	3   2 0.95	3   0 1	4   0 1	5   7 0.82	4   4 0.89	5   4 0.89	5   6 0.84	6   6 0.84
FN   TN Precision	4   36 0.6	4   38 1	3   38 1	2   31 0.42	3   34 0.5	2   34 0.56	2   32 0.45	1   32 0.5
Recall	0.43	0.43	0.57	0.71	0.57	0.71	0.71	0.86

COADREAD  
 id: 295 name: NVP-BHG712  
 target: EPHB4 class: RTK signaling

46 cell lines  
 5 sensitive

Large intestine 5/46

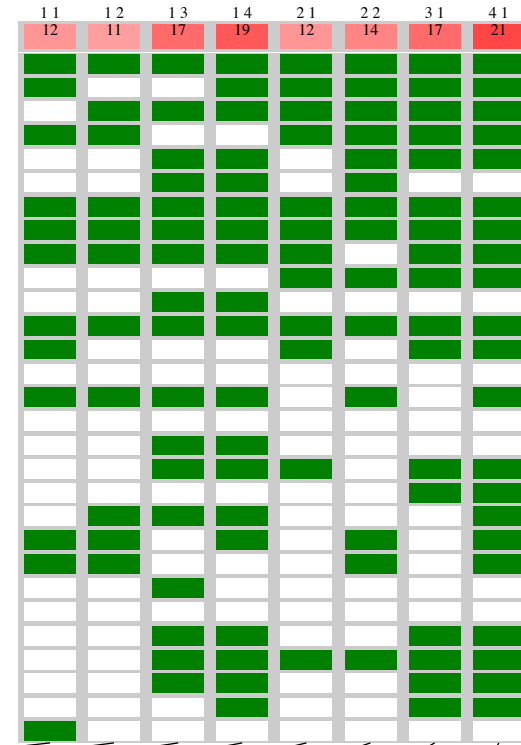
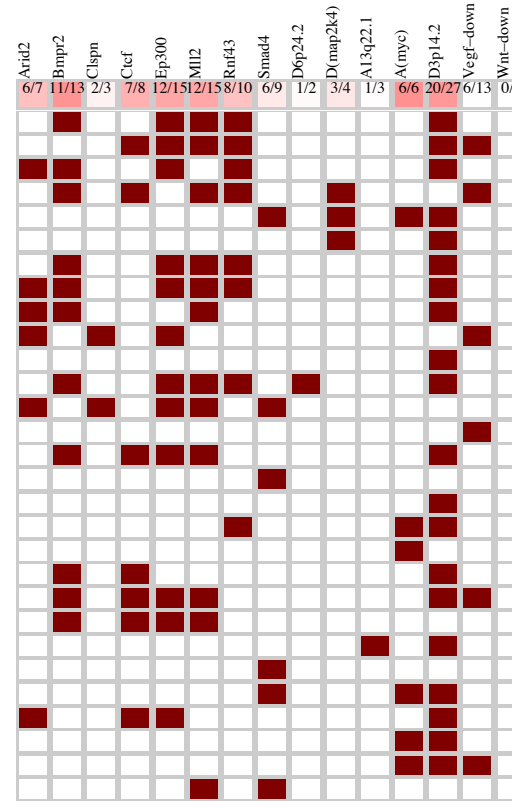
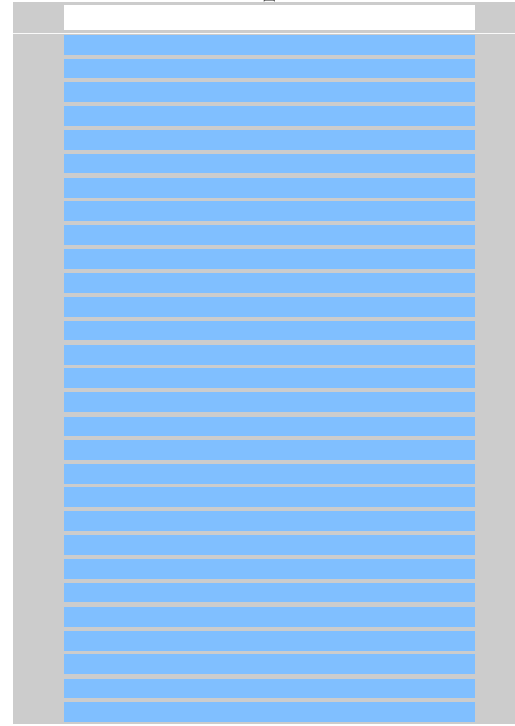
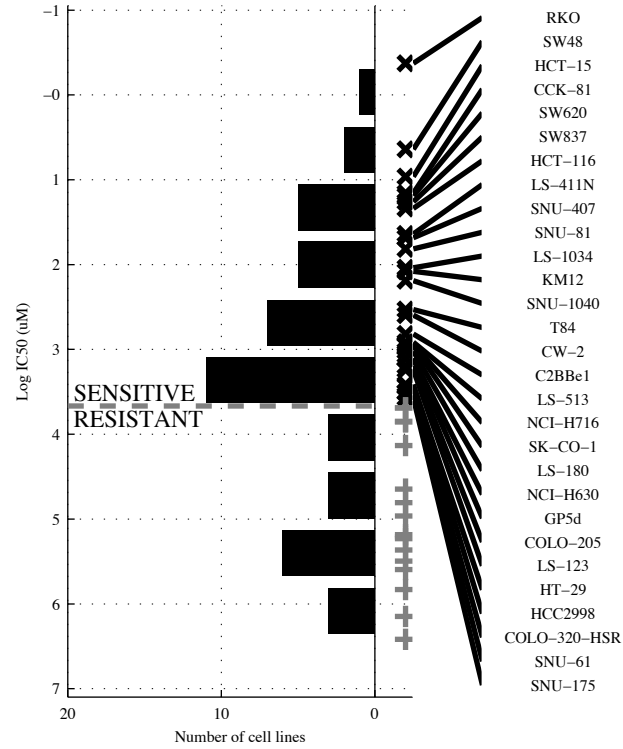


Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>-APC</b>		<b>-APC &amp; KRAS</b>		<b>-APC &amp; KDM6A &amp; KRAS</b>		<b>-APC &amp; ARID1A &amp; KRAS &amp; dXp21.</b>		<b>SMARCA4 PI3K o</b>		[ <b>-APC &amp; KRAS</b> ]   [ <b>-TP53 &amp; a(MYC)</b> ]		<b>SMARCA4 a(MET)   PI3K o</b>		<b>BRAF   FOXP1   PPP2R1   a(MET)</b>	
TP   FP Specificity	4   8	0.8	3   3	0.93	3   1	0.98	3   0	1	3   6	0.85	4   3	0.93	4   7	0.83	5   8	0.8
FN   TN Precision	1   33	0.33	2   38	0.5	2   40	0.75	2   41	1	2   35	0.33	1   38	0.57	1   34	0.36	0   33	0.38
Recall		0.8		0.6		0.6		0.6		0.6		0.8		0.8		1

COADREAD  
 id: 300 name: CX-5461  
 target: RNA Pol I class: other

46 cell lines  
 29 sensitive

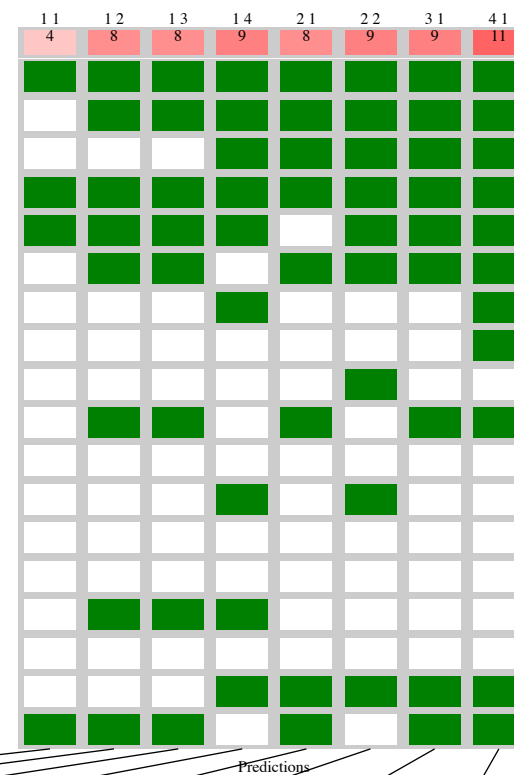
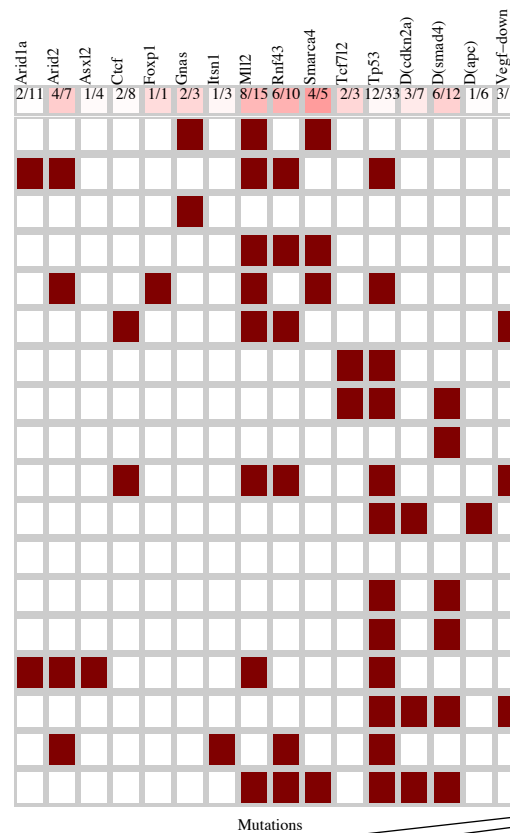
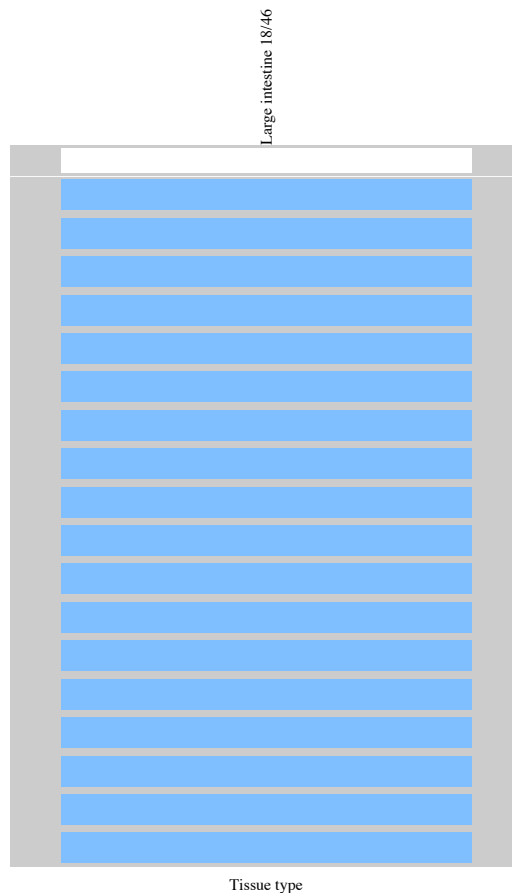
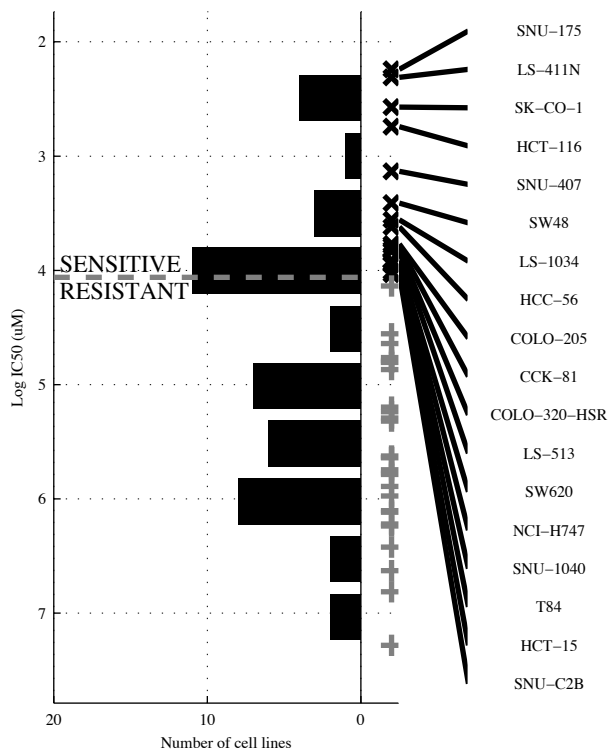
Large intestine 29/46



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>MLL2</b>	<b>BMPR2 &amp; CLSPN</b>	<b>d3p14. &amp; VEGF- &amp; -Wnt-DO</b>	<b>-CLSPN &amp; a13q22 &amp; d3p14. &amp; Wnt-DO</b>	<b>ARID2   RNF43</b>	<b>[ EP300 &amp; SMAD4 ]   [ -d6p24. &amp; d(MAP2) ]</b>	<b>ARID2   RNF43   a(MYC)</b>	<b>ARID2   CTCF   RNF43   a(MYC)</b>
TP   FP Specificity	12   3 0.82	11   1 0.94	17   3 0.82	19   3 0.82	12   2 0.88	14   1 0.94	17   2 0.88	21   2 0.88
FN   TN Precision	17   14 0.8	18   16 0.92	12   14 0.85	10   14 0.66	17   15 0.86	15   16 0.48	12   15 0.89	8   15 0.91
Recall	0.41	0.38	0.59	0.66	0.41	0.48	0.59	0.72

COADREAD  
 id: 309 name: Y-39983  
 target: ROCK class: cytoskeleton

46 cell lines  
 18 sensitive

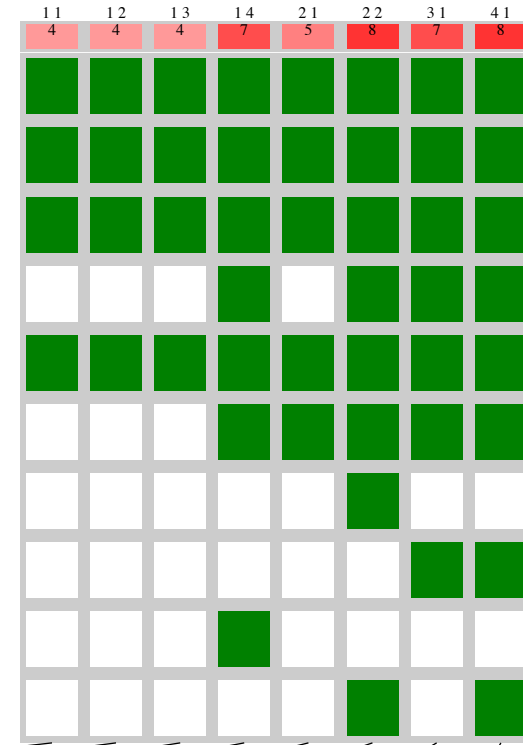
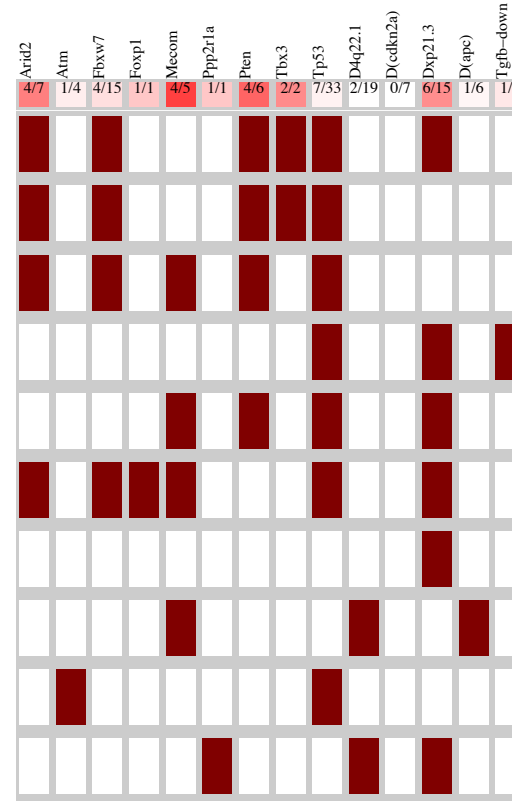
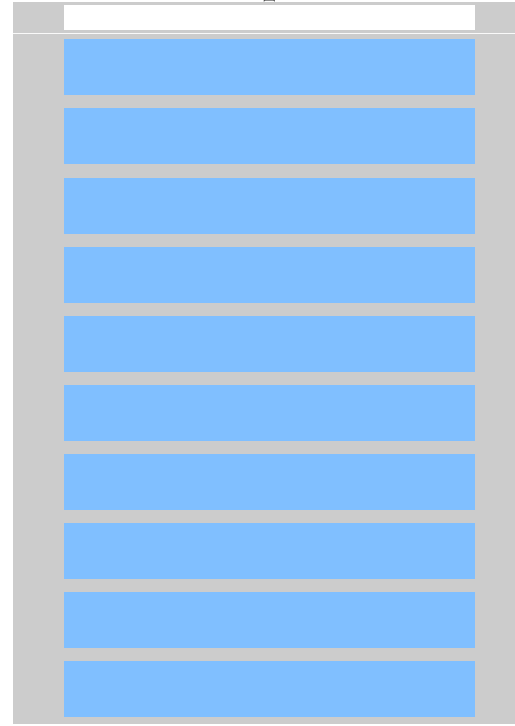
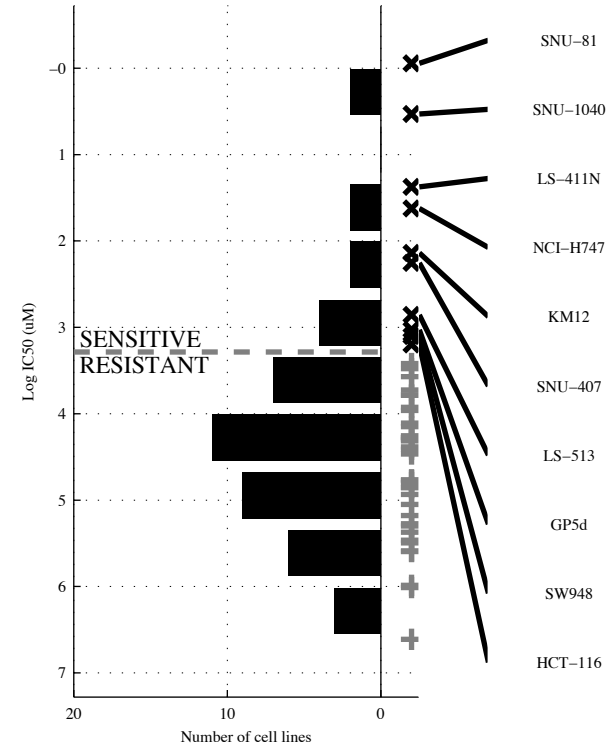


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>SMARCA</b>	<b>MLL2 &amp; -d(APC)</b>	<b>-ITSN1 &amp; MLL2 &amp; -d(APC)</b>	<b>-CTCF &amp; d(CDK) &amp; -d(SMARCA) &amp; VEGF-D</b>	<b>GNAS   RNF43</b>	<b>[ ARID2 &amp; -ASXL2 ]   [ -ARID1 &amp; -TP53 ]</b>	<b>FOXP1   GNAS   RNF43</b>	<b>FOXP1   GNAS   RNF43   TCF7L2</b>
TP   FP	4   1	8   5	8   3	9   5	8   4	9   1	9   4	11   5
Specificity	0.96	0.82	0.89	0.82	0.86	0.96	0.86	0.82
FN   TN	14   27	10   23	10   25	9   23	10   24	9   27	9   24	7   23
Precision	0.8	0.62	0.73	0.64	0.67	0.9	0.69	0.69
Recall	0.22	0.44	0.44	0.5	0.44	0.5	0.5	0.61

COADREAD  
 id: 326 name: GSK690693  
 target: AKT class: PI3K signaling

46 cell lines  
 10 sensitive

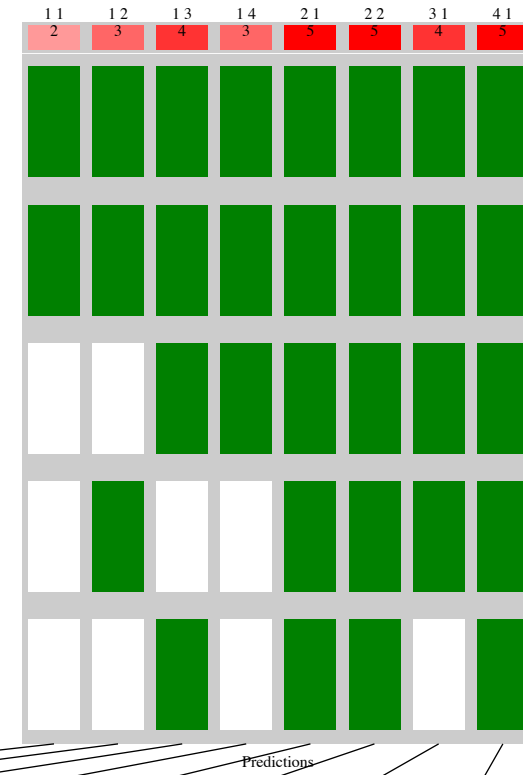
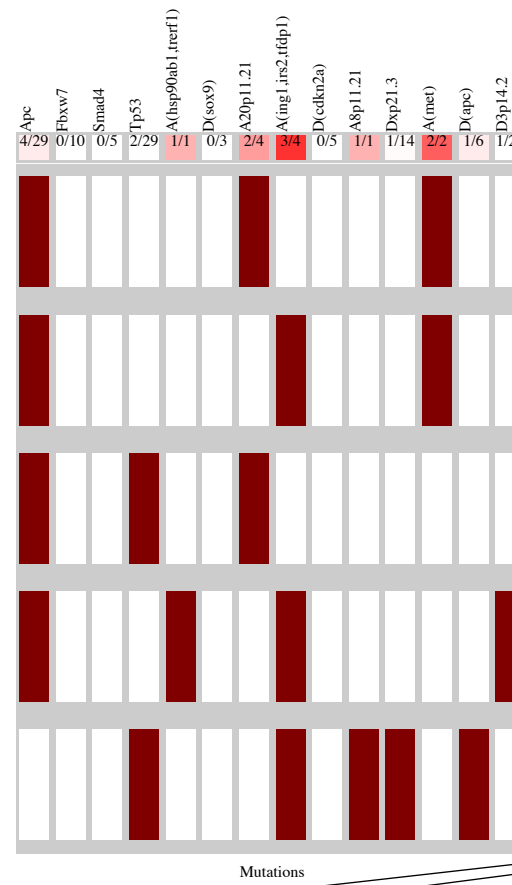
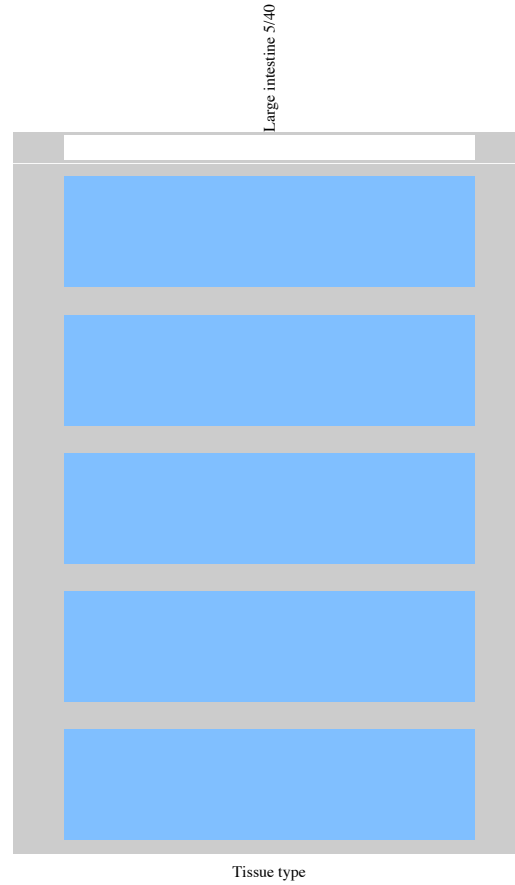
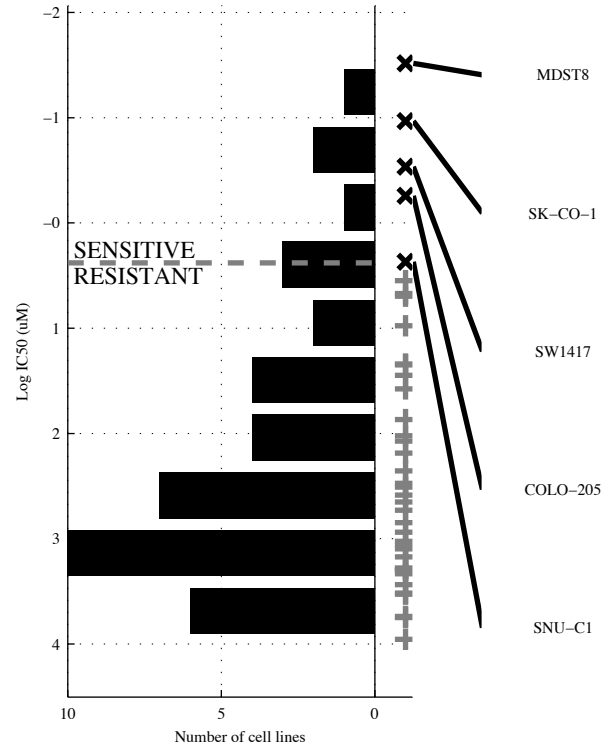
Large intestine 10/46



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>PTEN</b>	<b>¬ATM &amp; PTEN</b>	<b>¬ATM &amp; PTEN &amp;</b>	<b>TP53 &amp; ¬d4q22.&amp;</b> <b>¬d(CDK2&amp;¬d(APC)</b>	<b>FOXP1   PTEN</b>	<b>[¬FBXW&amp;dXp21.]</b> <b> </b> <b>[ ARID2 &amp; ¬ATM ]</b>	<b>MECOMI TBX3  </b> <b>TGFB-D</b>	<b>MECOMI PPP2R1  </b> <b>TBX3 ITGFB-D</b>
TP   FP Specificity	4   2 0.94	4   0 1	4   0 1	7   6 0.83	5   2 0.94	8   4 0.89	7   2 0.94	8   2 0.94
FN   TN Precision	6   34 0.67	6   36 1	6   36 1	3   30 0.54	5   34 0.71	2   32 0.67	3   34 0.78	2   34 0.8
Recall	0.4	0.4	0.4	0.7	0.5	0.8	0.7	0.8

COADREAD  
 id: 1011 name: ABT-263  
 target: BCL2, BCL2L1, BCL2L2 class: apoptosis regulation

40 cell lines  
 5 sensitive

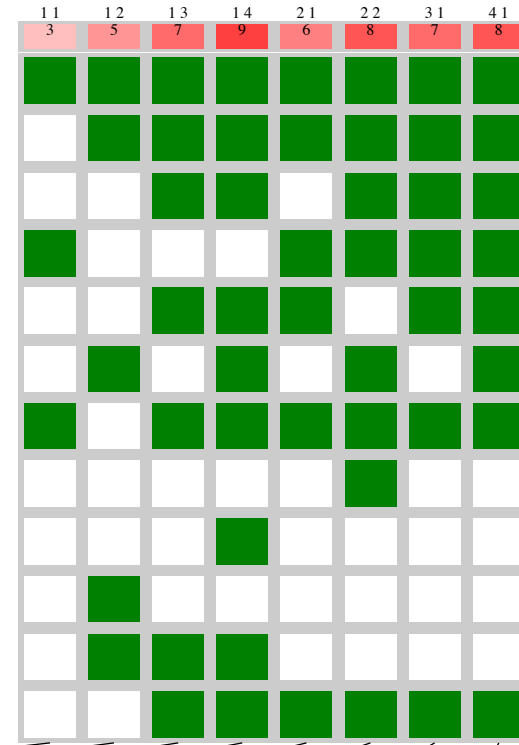
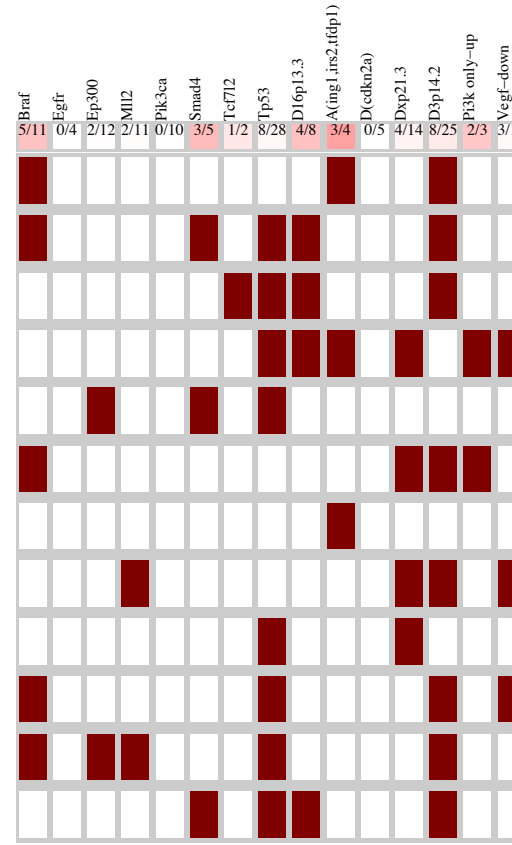
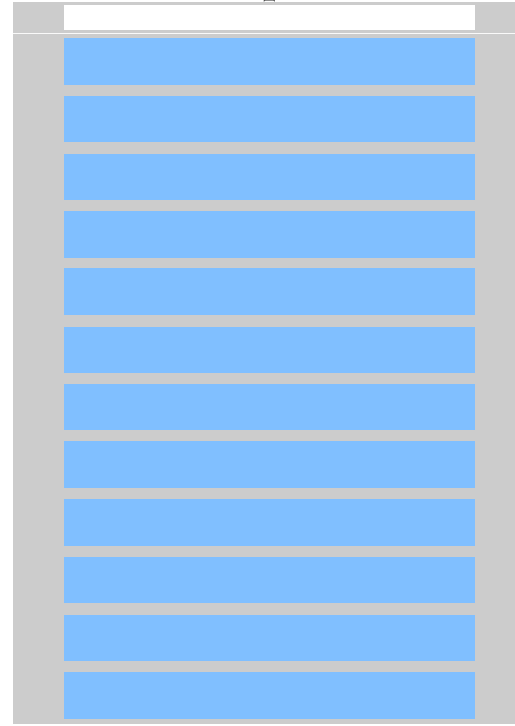
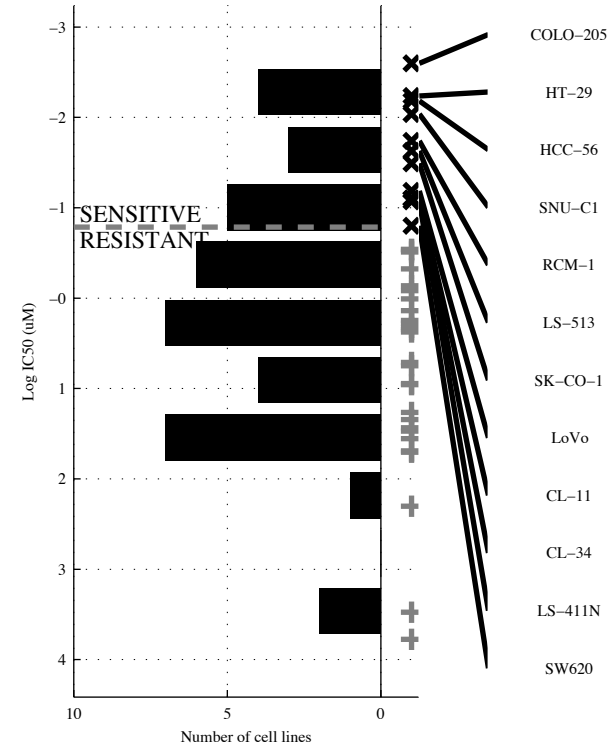


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>a(MET)</b>	<b>-TP53 &amp; -dXp21.</b>	<b>-FBXW7 &amp; d(CDKN2A) &amp; -d3p14.</b>	<b>APC &amp; -d(SOX9) &amp; -dXp21 &amp; -d3p14.</b>	<b>a20p11   a(ING1)</b>	<b>[ -SMAD4 &amp; a(ING1) ]   [ a20p11 &amp; -d(APC) ]</b>	<b>a(HSP9)   a20p11   a(MET)</b>	<b>a(HSP9)   a20p11   a8p11.   a(MET)</b>
TP   FP Specificity	2   0 1	3   3 0.91	4   3 0.91	3   3 0.91	5   3 0.91	5   0 1	4   2 0.94	5   2 0.94
FN   TN Precision	3   35 1	2   32 0.5	1   32 0.57	2   32 0.5	0   32 0.63	0   35 1	1   33 0.67	0   33 0.71
Recall	0.4	0.6	0.8	0.6	1	1	0.8	1

COADREAD  
 id: 1014 name: RDEA119  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

39 cell lines  
 12 sensitive

Large intestine 12/39

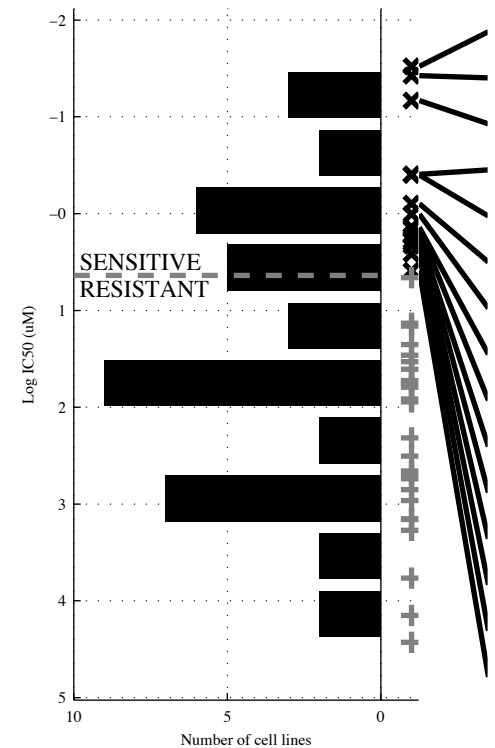


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>a(ING1)</b>	<b>BRAF &amp; d3p14.</b>	<b>-d(CDKK&amp;-dXp21&amp; -VEGF-D</b>	<b>-EGFR&amp;PIK3C.&amp; -d(CDKK&amp;VEGF-D</b>	<b>SMAD4   a(ING1</b>	<b>[ -MLL2&amp;d16p13 ]   [ -EP300&amp;-TP53 ]</b>	<b>SMAD4   TCF7L2   a(ING1</b>	<b>SMAD4   TCF7L2   a(ING1   PI3K o</b>
TP   FP Specificity	3   1 0.96	5   3 0.89	7   5 0.81	9   4 0.85	6   2 0.93	8   4 0.85	7   3 0.89	8   4 0.85
FN   TN Precision	9   26 0.75	7   24 0.63	5   22 0.58	3   23 0.69	6   25 0.75	4   23 0.67	5   24 0.7	4   23 0.67
Recall	0.25	0.42	0.58	0.75	0.5	0.67	0.58	0.67

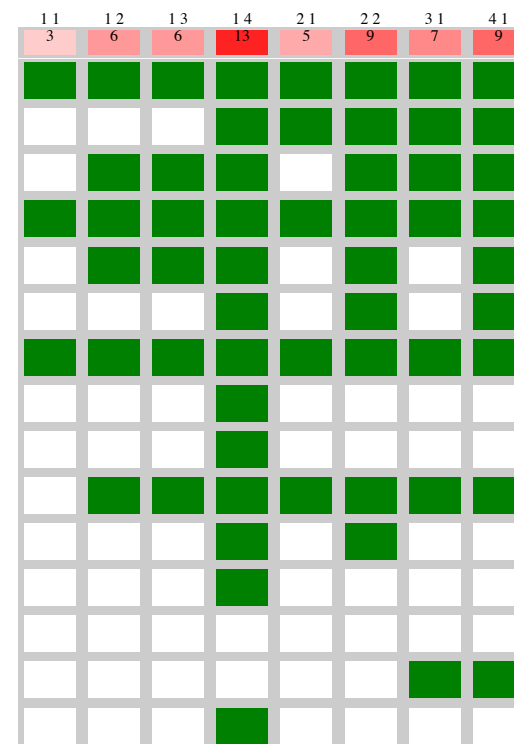
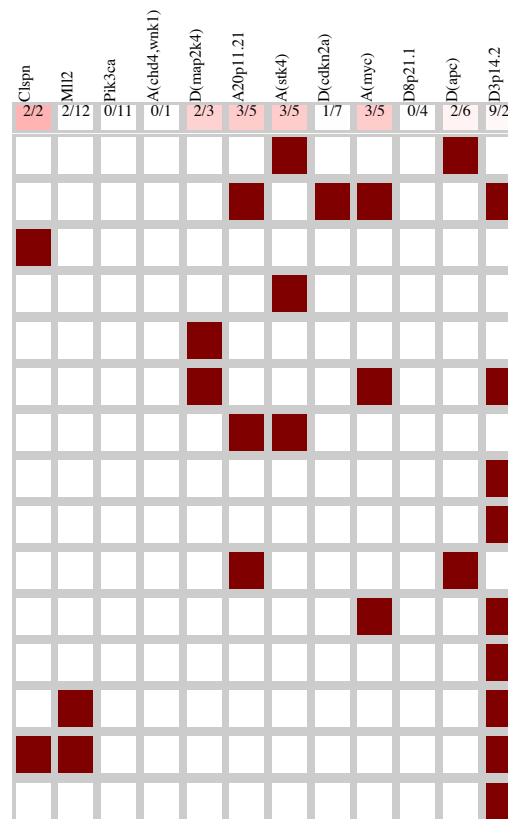
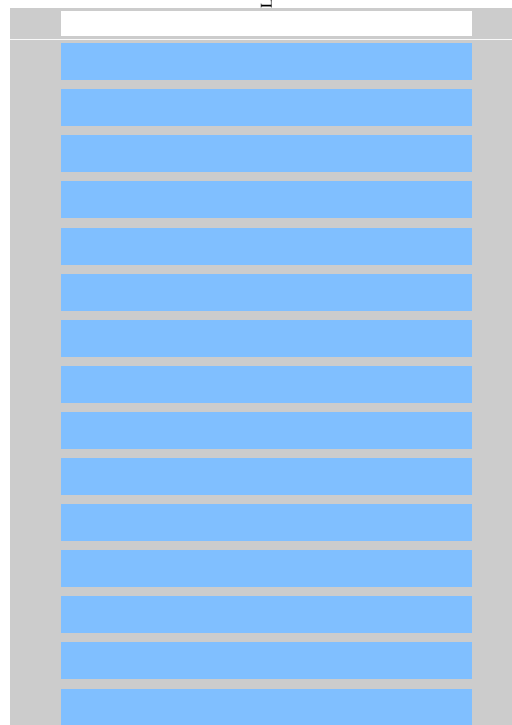
COADREAD  
 id: 1015 name: CI-1040  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

41 cell lines  
 15 sensitive

Large intestine 15/41



SNU-C1  
 NCI-H716  
 SNU-81  
 C2BBel  
 CL-11  
 SW620  
 MDST8  
 LS-513  
 HCC2998  
 RCM-1  
 HT-29  
 COLO-205  
 LS-411N  
 LoVo  
 CL-34



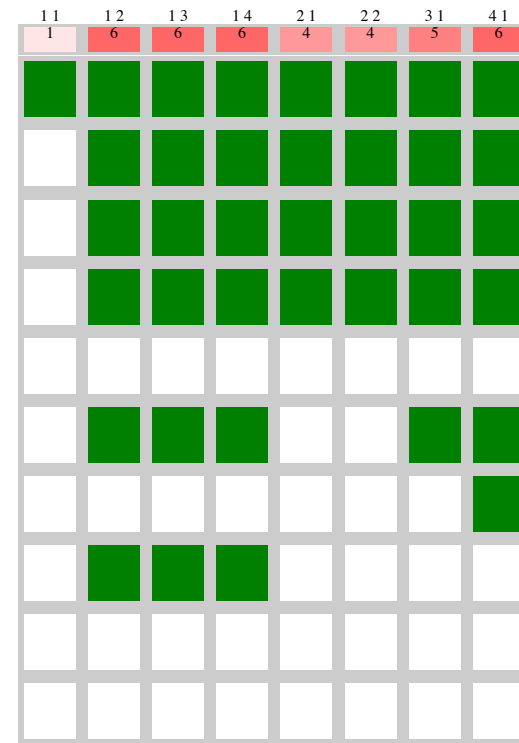
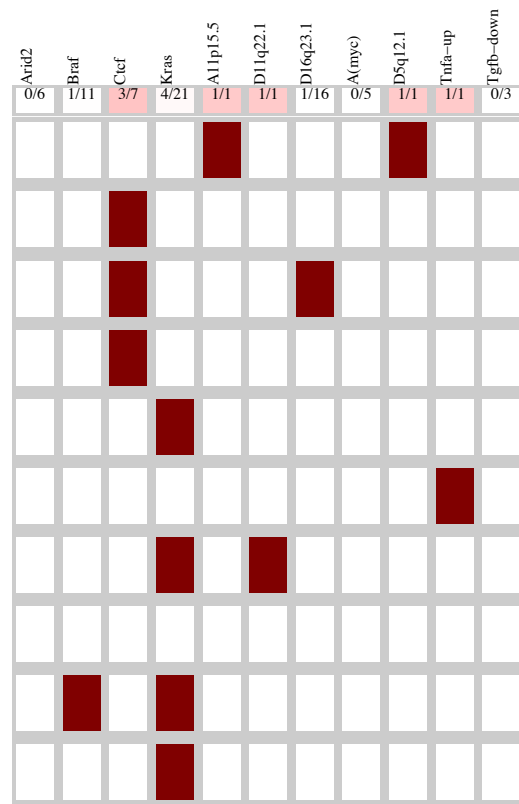
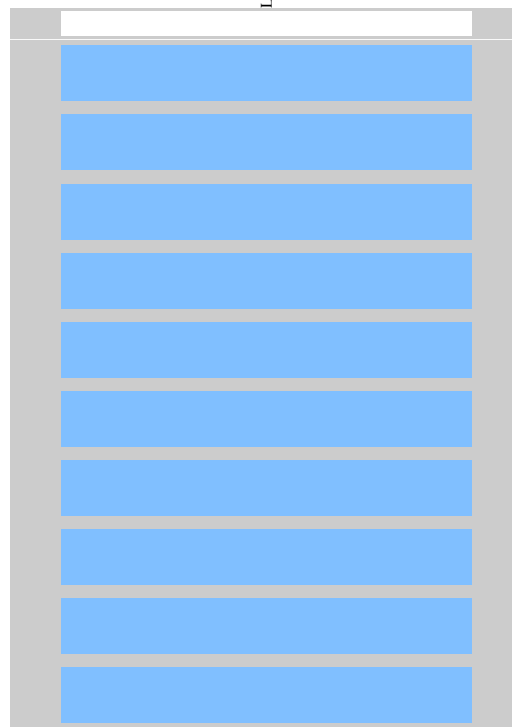
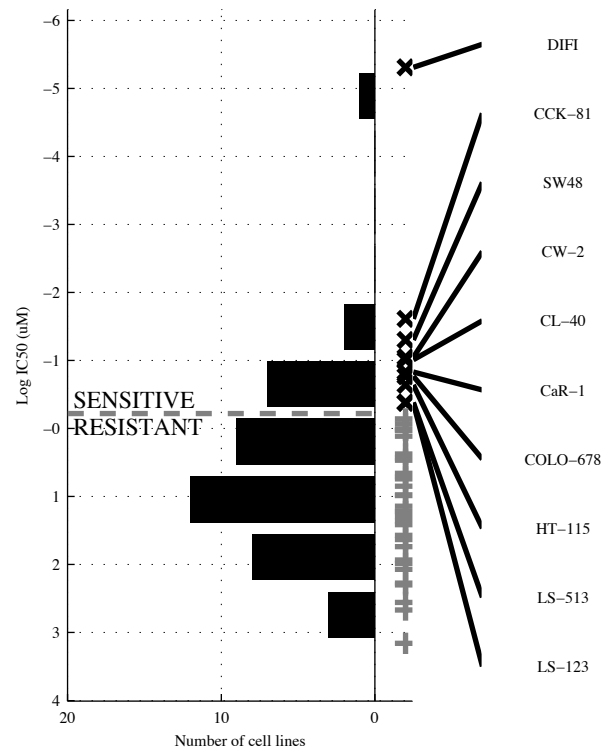
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>a(STK4)</b>	<b>¬d(CDK1) &amp; ¬d3p14.</b>	<b>¬PIK3C &amp; d(CDK1) &amp; ¬d3p14.</b>	<b>¬MLL2 &amp; PIK3C &amp; ¬a(CHD4) &amp; ¬d8p21.</b>	<b>a20p11   a(STK4)</b>	<b>[ a(MYC) &amp; ¬d(APC) ]   [ ¬d(CDK1) &amp; ¬d3p14. ]</b>	<b>CLSPN   a20p11   a(STK4)</b>	<b>CLSPN   d(MAP2K1)   a20p11   a(STK4)</b>
TP   FP Specificity	3   2 0.92	6   4 0.85	6   2 0.92	13   5 0.81	5   2 0.92	9   4 0.85	7   2 0.92	9   3 0.88
FN   TN Precision	12   24 0.6	9   22 0.6	9   24 0.75	2   21 0.72	10   24 0.71	6   22 0.69	8   24 0.78	6   23 0.75
Recall	0.2	0.4	0.4	0.87	0.33	0.6	0.47	0.6



COADREAD  
 id: 1032 name: Afatinib  
 target: ERBB2, EGFR class: EGFR signaling

42 cell lines  
 10 sensitive

Large intestine 10/42

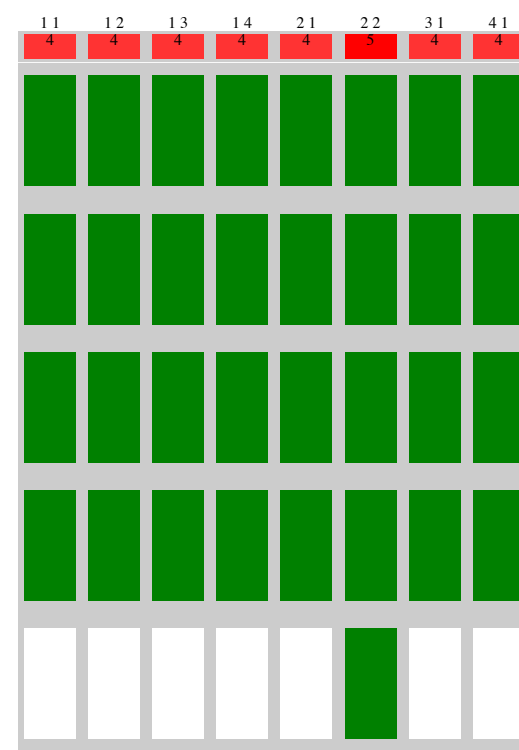
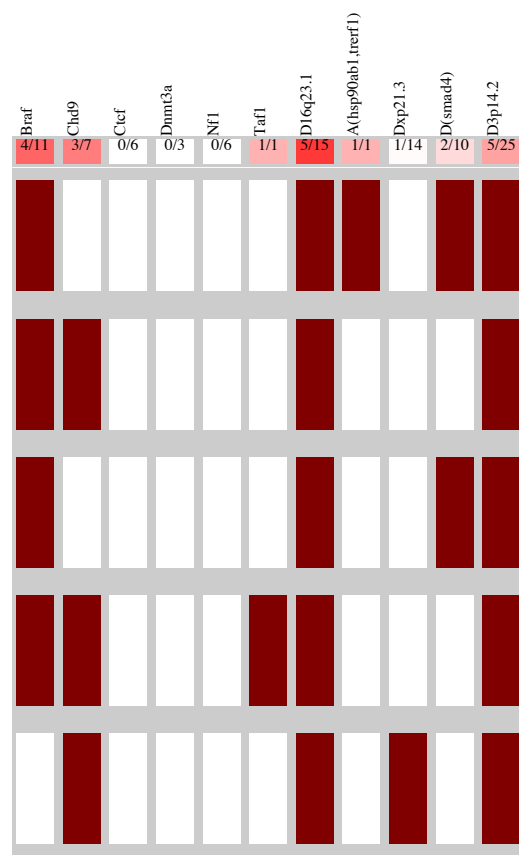
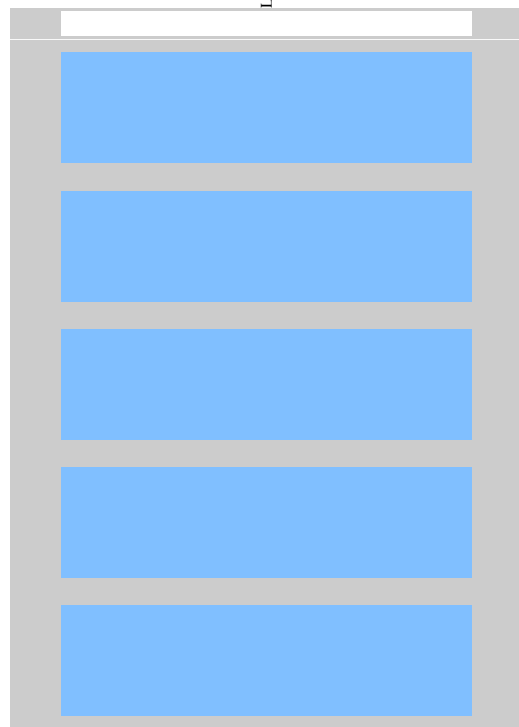
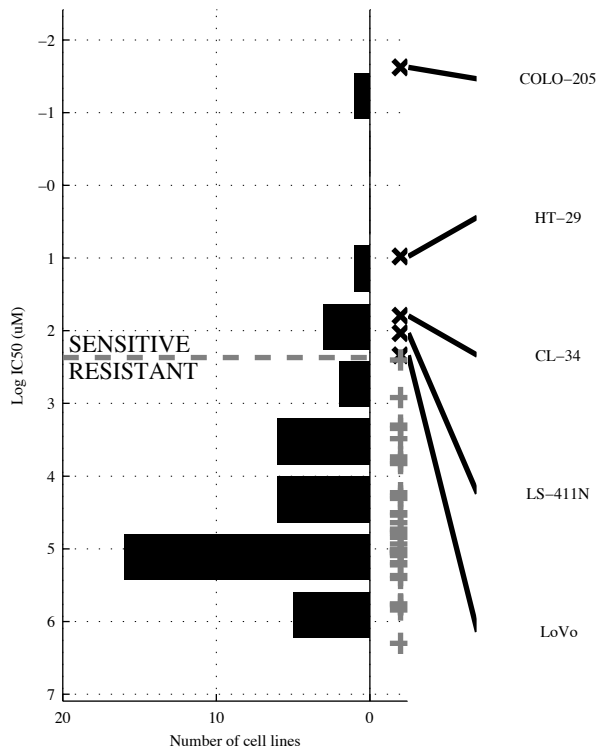


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d5q12.</b>	<b>-BRAF&amp;-KRAS</b>	<b>-BRAF&amp;-KRAS&amp; -a(MYC)</b>	<b>-BRAF&amp;-KRAS&amp; -a(MYC&amp;TGFB-D</b>	<b>CTCF   a11p15</b>	<b>[ -ARID2&amp; CTCF ]   [ a11p15&amp;-d16q23 ]</b>	<b>CTCF   d5q12.   TNFa-U</b>	<b>CTCF   a11p15   d11q22  TNFa-U</b>
TP   FP	1   0	6   5	6   3	6   1	4   4	4   2	5   4	6   4
Specificity	1	0.84	0.91	0.97	0.88	0.94	0.88	0.88
FN   TN	9   32	4   27	4   29	4   31	6   28	6   30	5   28	4   28
Precision	1	0.55	0.67	0.86	0.5	0.67	0.56	0.6
Recall	0.1	0.6	0.6	0.6	0.4	0.4	0.5	0.6

COADREAD  
 id: 1036 name: PLX4720  
 target: BRAF class: ERK MAPK signaling

40 cell lines  
 5 sensitive

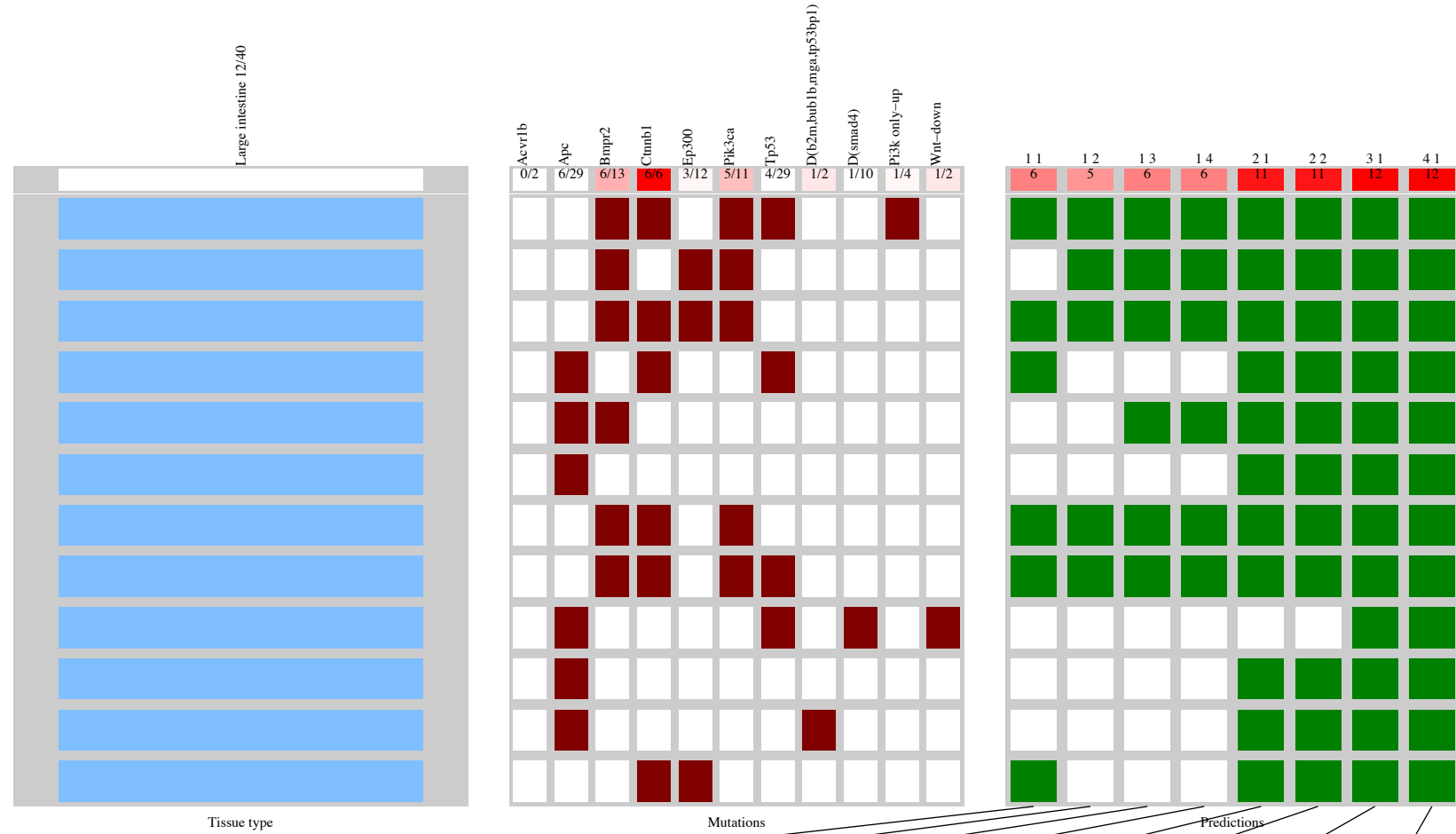
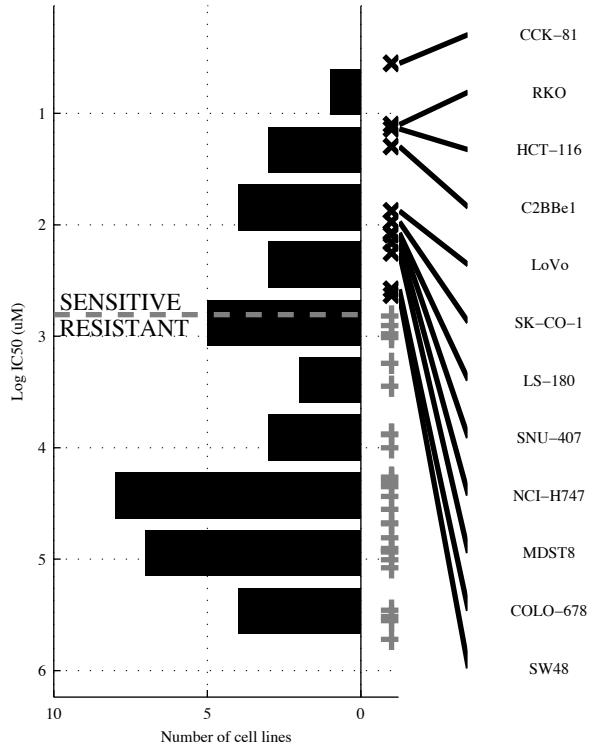
Large intestine 5/40



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>BRAF</b>	<b>BRAF &amp; ¬dXp21.</b>	<b>BRAF &amp; ¬dXp21 &amp; d3p14.</b>	<b>BRAF &amp; DNMT3 &amp; ¬NF1 &amp; d16q23</b>	<b>BRAF  </b>	<b>[ CHD9 &amp; ¬CTCF ]   [ BRAF &amp; d(SMAD) ]</b>	<b>BRAF   a(HSP9  </b>	<b>BRAF   TAF1   a(HSP9  </b>
TP   FP	4   7	4   4	4   1	4   0	4   7	5   1	4   7	4   7
Specificity	0.8	0.89	0.97	1	0.8	0.97	0.8	0.8
FN   TN	1   28	1   31	1   34	1   35	1   28	0   34	1   28	1   28
Precision	0.36	0.5	0.8	1	0.36	0.83	0.36	0.36
Recall	0.8	0.8	0.8	0.8	0.8	1	0.8	0.8

COADREAD  
 id: 1047 name: Nutlin-3a  
 target: MDM2 class: p53 pathway

40 cell lines  
 12 sensitive

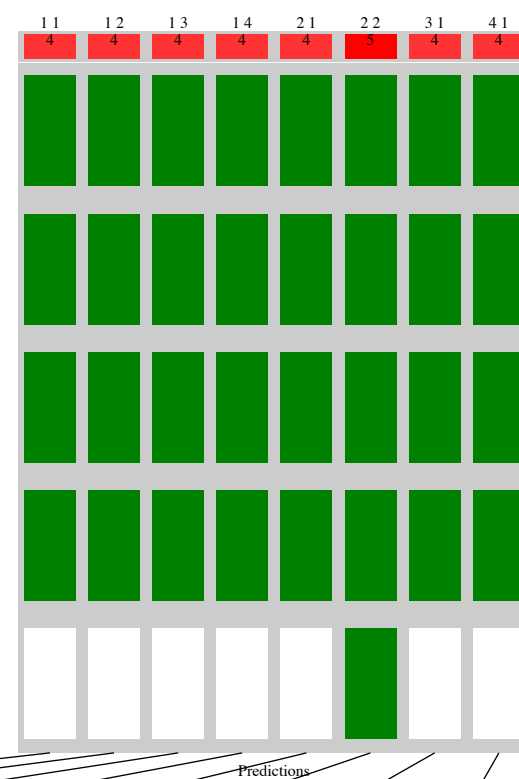
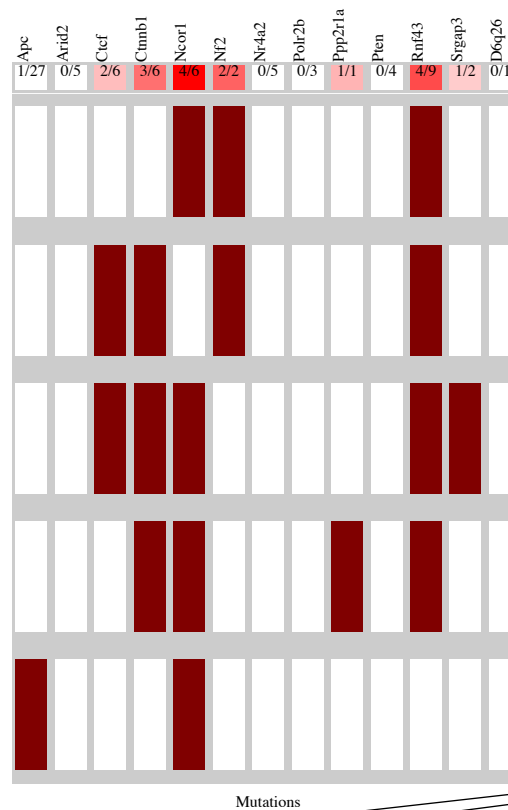
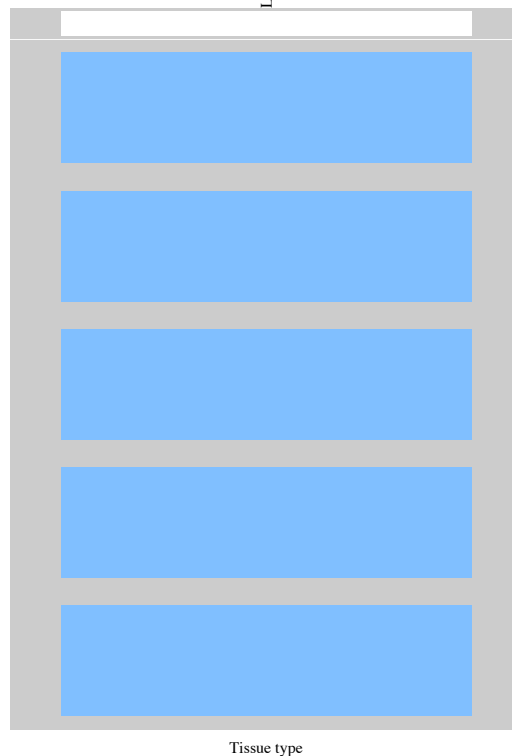
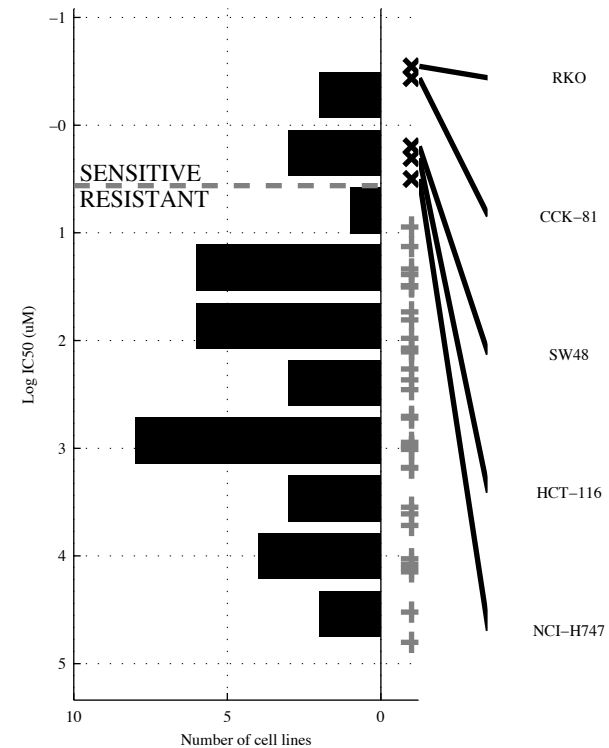


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>CTNNB1</b>	<b>-APC &amp; PIK3CA</b>	<b>-ACVR1 &amp; BMPR2 &amp; -d(SMAD</b>	<b>-ACVR1 &amp; BMPR2 &amp; -d(B2M &amp; d(SMAD</b>	<b>CTNNB1   -TP53</b>	<b>[CTNNB &amp; -EP300 ]   [-TP53 &amp; -PI3K o ]</b>	<b>CTNNB1   -TP53   Wnt-DO</b>	<b>CTNNB1   -TP53   Wnt-DO  </b>
TP   FP	6   0	5   0	6   2	6   1	11   3	11   2	12   4	12   4
FN   TN	6   28	7   28	6   26	6   27	1   25	1   26	0   24	0   24
Specificity	1	1	0.93	0.96	0.89	0.93	0.86	0.86
Precision	1	1	0.75	0.86	0.79	0.85	0.75	0.75
Recall	0.5	0.42	0.5	0.5	0.92	0.92	1	1

COADREAD  
 id: 1050 name: ZM-447439  
 target: AURKB class: mitosis

38 cell lines  
 5 sensitive

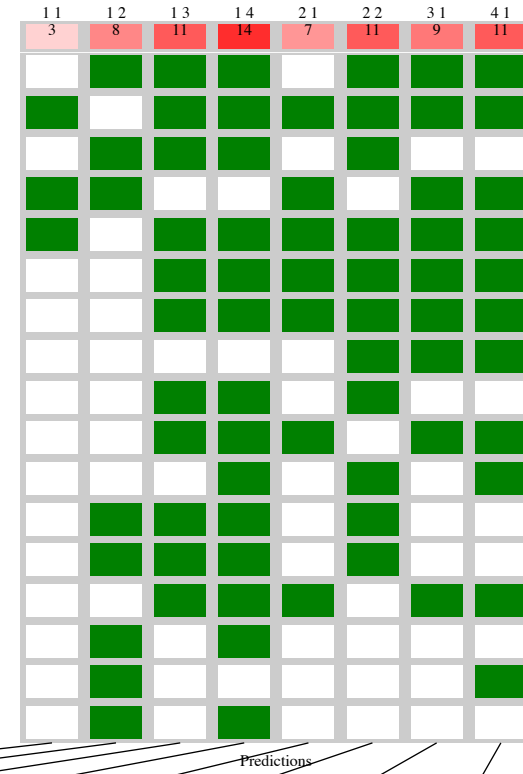
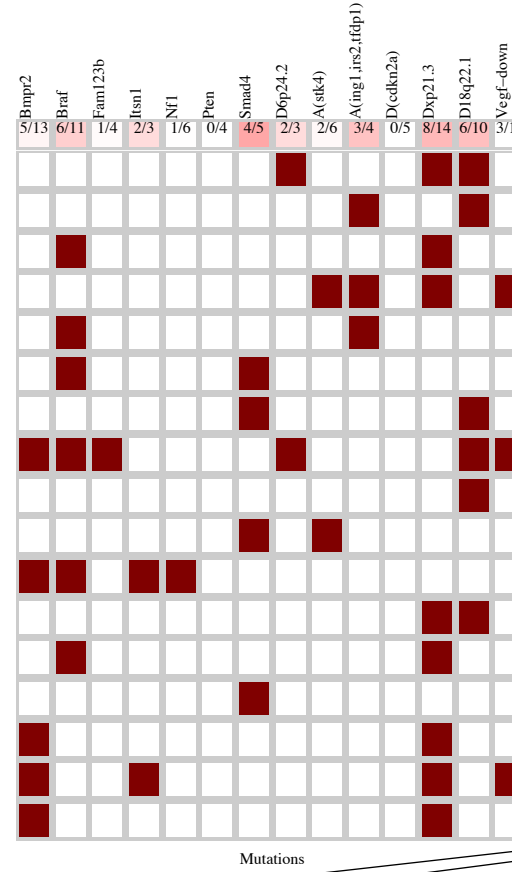
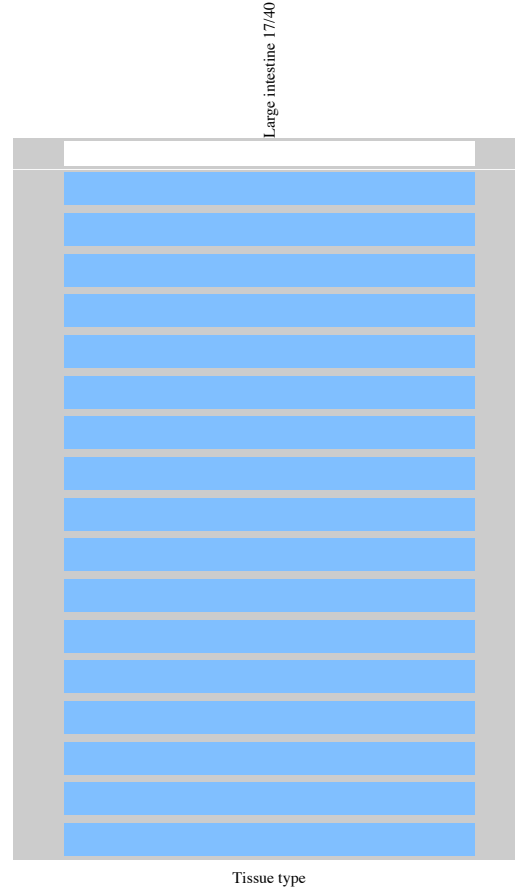
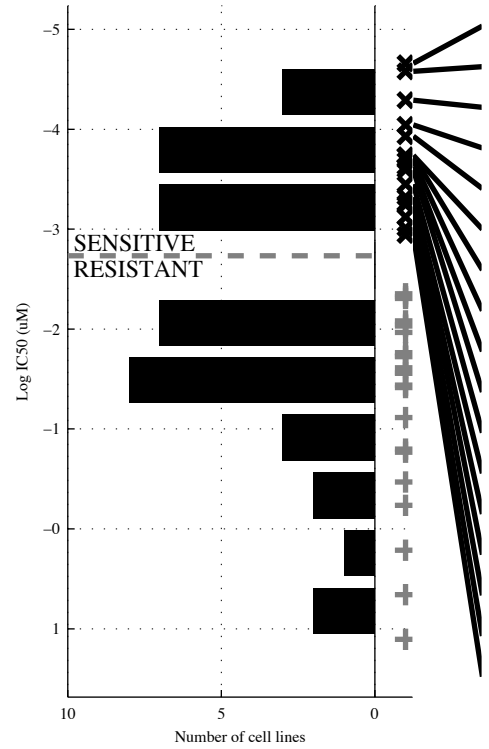
Large intestine 5/38



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>RNF43</b>	<b>-APC &amp; -d6q26</b>	<b>-ARID2 &amp; -NR4A2 &amp; RNF43</b>	<b>-NR4A2 &amp; POLR2B &amp; -PTEN &amp; RNF43</b>	<b>CTNNB1   NF2</b>	<b>[ -CTCF &amp; NCOR1 ]   [ CTNNB &amp; RNF43 ]</b>	<b>NF2   PPP2R1   SRGAP3</b>	<b>NF2   PPP2R1   SRGAP3</b>
TP   FP	4   5	4   3	4   0	4   0	4   3	5   0	4   1	4   1
Specificity	0.85	0.91	1	1	0.91	1	0.97	0.97
FN   TN	1   28	1   30	1   33	1   33	1   30	0   33	1   32	1   32
Precision	0.44	0.57	1	1	0.57	1	0.8	0.8
Recall	0.8	0.8	0.8	0.8	0.8	1	0.8	0.8

COADREAD  
 id: 1060 name: PD-0325901  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

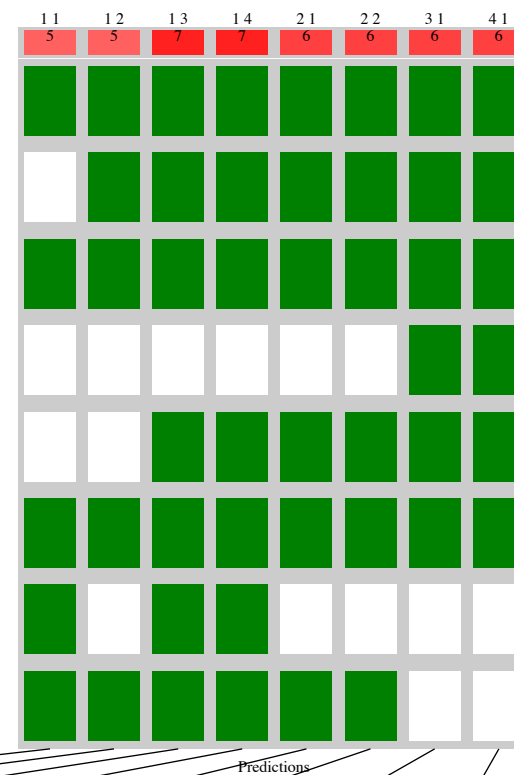
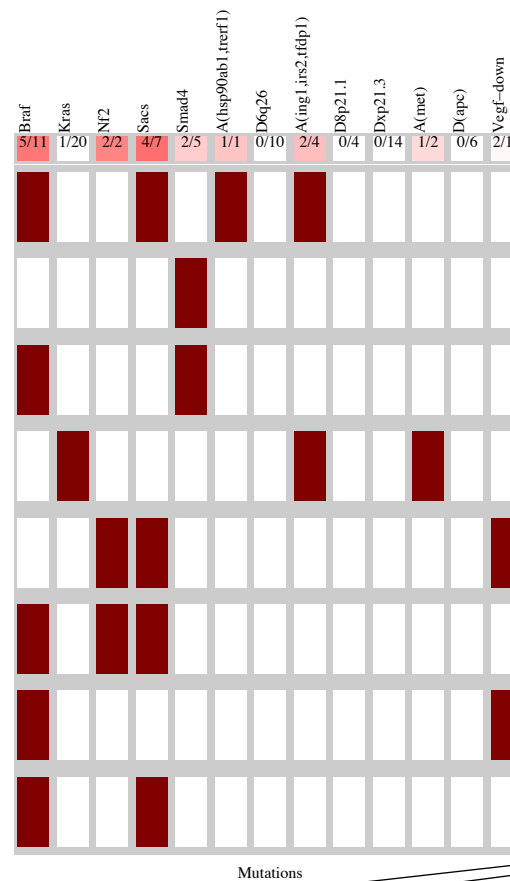
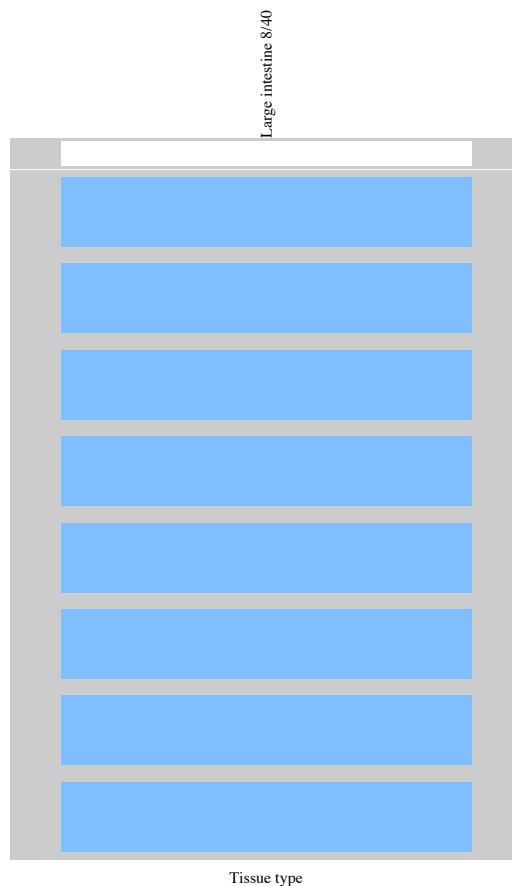
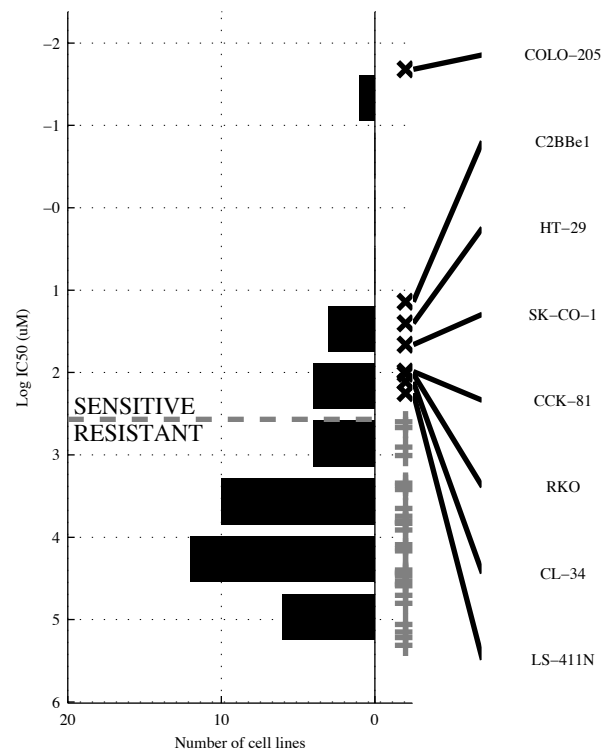
40 cell lines  
 17 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a(ING1)</b>	<b>-NF1 &amp; dXp21.</b>	<b>-BMPR2 &amp; d(CDK4 &amp; d(CDK2)) &amp; -VEGF-D</b>	<b>-FAM123B &amp; -PTEN &amp; -d(CDK4 &amp; VEGF-D)</b>	<b>SMAD4   a(ING1)</b>	<b>[ BRAF &amp; a(STK4)   [ d18q22 &amp; VEGF-D ]</b>	<b>SMAD4   d6p24.   a(ING1)</b>	<b>ITSN1   SMAD4   d6p24.   a(ING1)</b>
TP   FP	3   1	8   1	11   3	14   3	7   1	11   3	9   2	11   3
Specificity	0.96	0.96	0.87	0.87	0.96	0.87	0.91	0.87
FN   TN	14   22	9   22	6   20	3   20	10   22	6   20	8   21	6   20
Precision	0.75	0.89	0.79	0.82	0.88	0.79	0.82	0.79
Recall	0.18	0.47	0.65	0.82	0.41	0.65	0.53	0.65

COADREAD  
 id: 1061 name: SB590885  
 target: BRAF class: ERK MAPK signaling

40 cell lines  
 8 sensitive

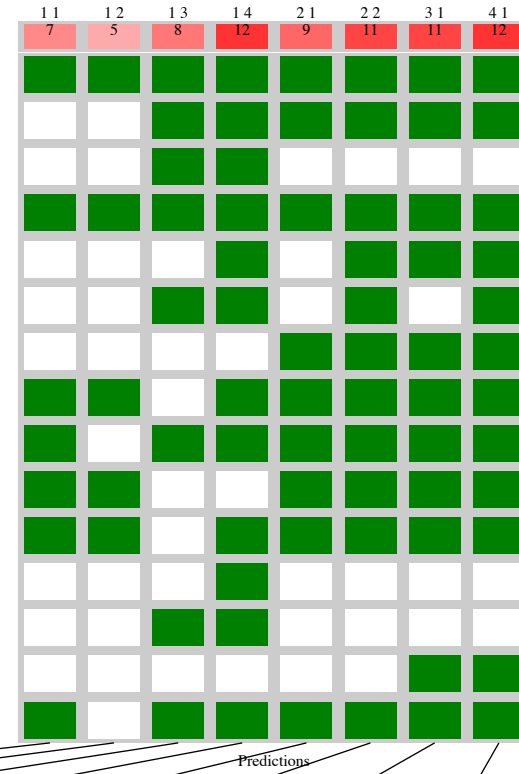
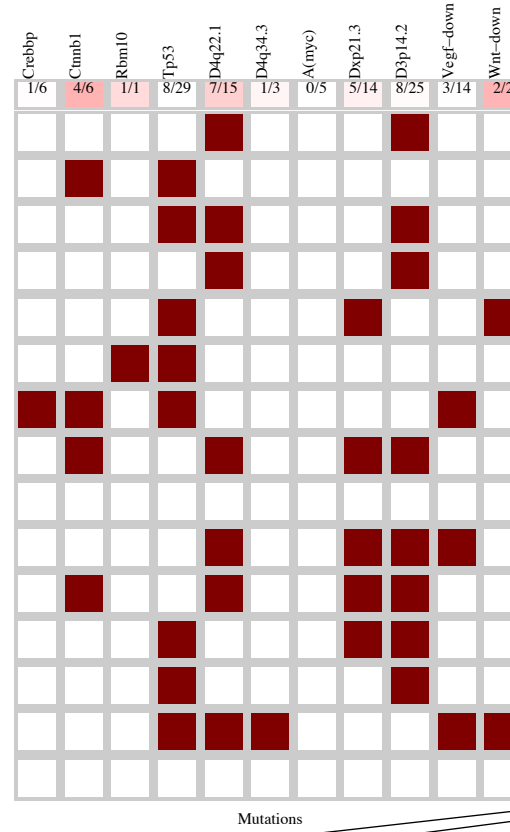
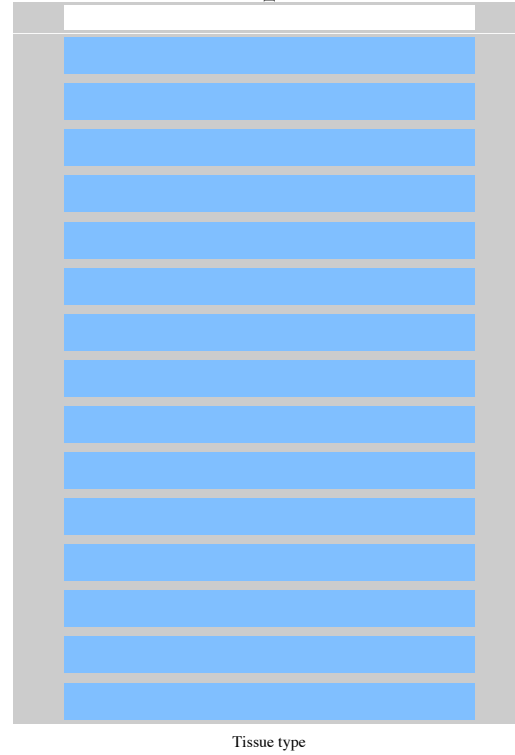
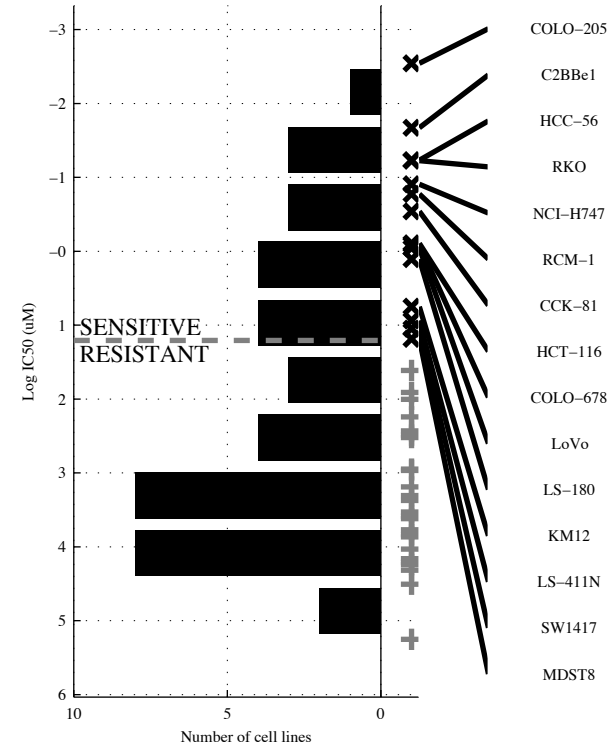


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>BRAF</b>	<b>~KRAS &amp; VEGF-D</b>	<b>~KRAS &amp; ~d6q26 &amp; ~dXp21.</b>	<b>~KRAS &amp; ~d8p21. &amp; ~dXp21 &amp; ~d(APC)</b>	<b>SACS   SMAD4</b>	<b>[ SACS &amp; ~dXp21. ]   [ ~KRAS &amp; SMAD4 ]</b>	<b>NF2   SMAD4   a(ING1)</b>	<b>NF2   SMAD4   a(HSP9   a(MET))</b>
TP   FP	5   6	5   6	7   5	7   3	6   6	6   1	6   4	6   4
Specificity	0.81	0.81	0.84	0.91	0.81	0.97	0.88	0.88
FN   TN	3   26	3   26	1   27	1   29	2   26	2   31	2   28	2   28
Precision	0.45	0.45	0.58	0.7	0.5	0.86	0.6	0.6
Recall	0.63	0.63	0.88	0.88	0.75	0.75	0.75	0.75

COADREAD  
 id: 1062 name: AZD6244  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

40 cell lines  
 15 sensitive

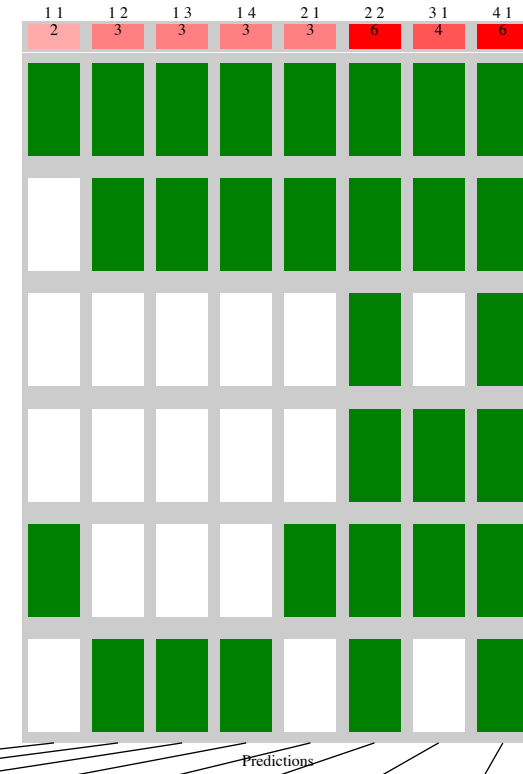
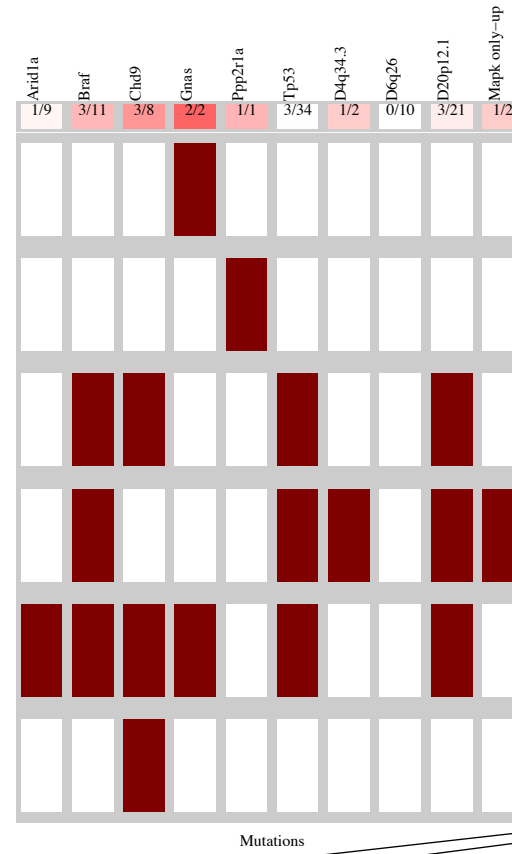
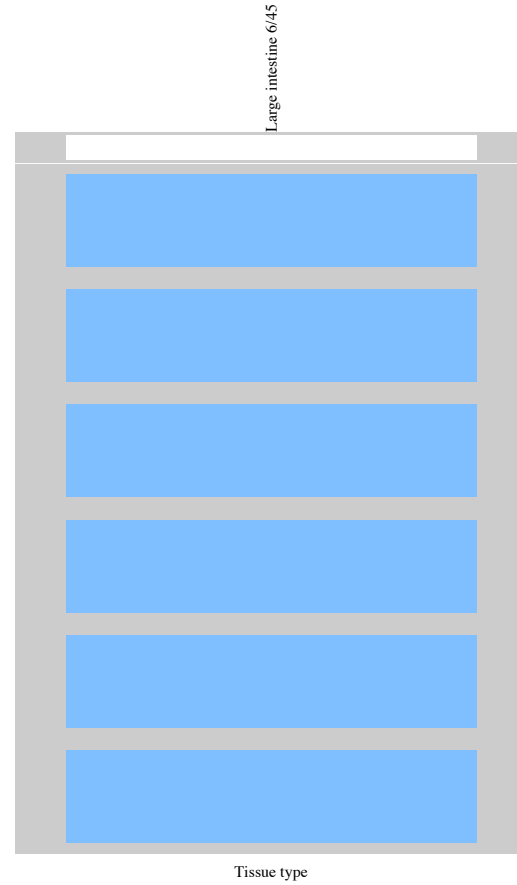
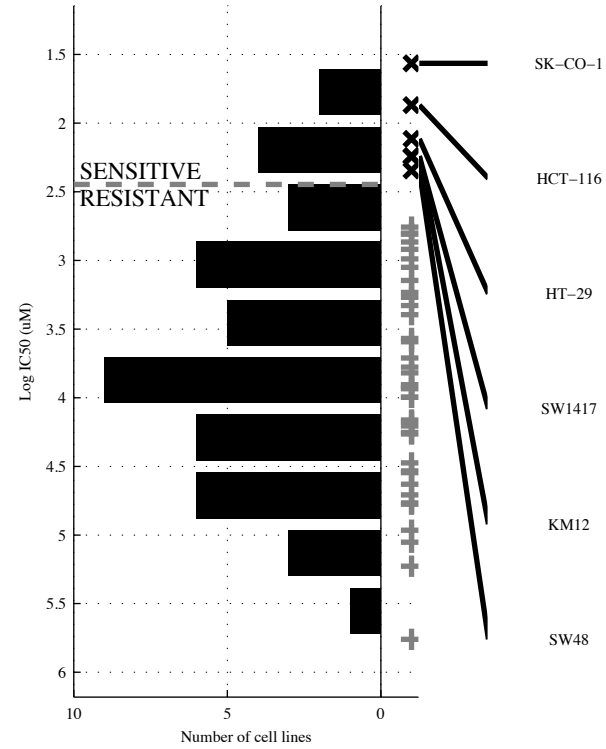
Large intestine 15/40



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>-TP53</b>	<b>-TP53 &amp; d4q22.</b>	<b>-a(MYC &amp; -dXp21 &amp; -VEGF-D</b>	<b>-CREBBB &amp; -d4q34. &amp; -a(MYC &amp; VEGF-D</b>	<b>CTNNB1   -TP53</b>	<b>[ -d4q22. &amp; -d3p14. ]   [ -TP53 &amp; d4q22. ]</b>	<b>CTNNB1   -TP53   Wnt-DO</b>	<b>CTNNB1   RBM10   -TP53   Wnt-DO</b>
TP   FP Specificity	7   4 0.84	5   0 1	8   4 0.84	12   5 0.8	9   5 0.8	11   5 0.8	11   5 0.8	12   5 0.8
FN   TN Precision	8   21 0.64	10   25 1	7   21 0.67	3   20 0.71	6   20 0.64	4   20 0.69	4   20 0.69	3   20 0.71
Recall	0.47	0.33	0.53	0.8	0.6	0.73	0.73	0.8

COADREAD  
 id: 1072 name: BMS-708163  
 target: g-secretase class: other

45 cell lines  
 6 sensitive



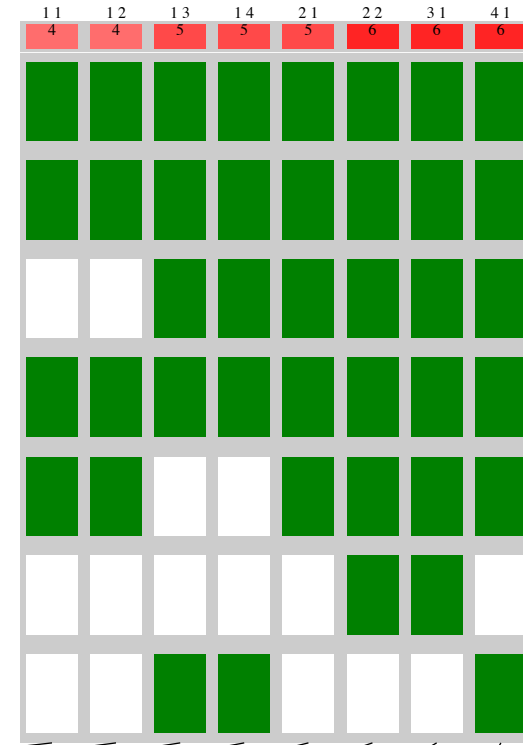
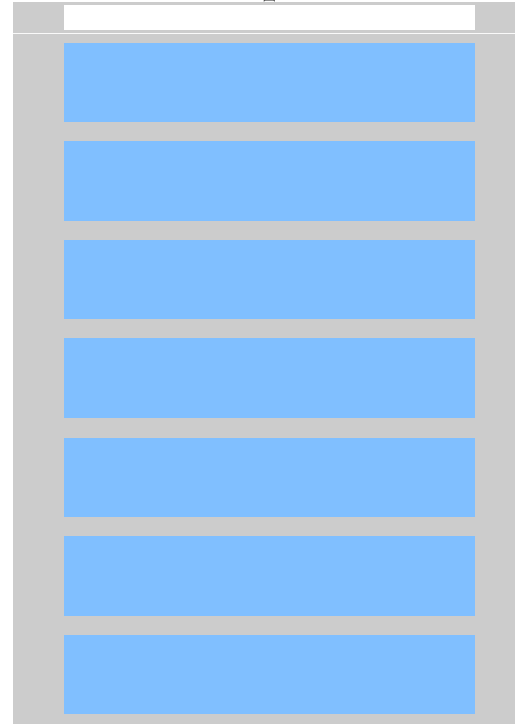
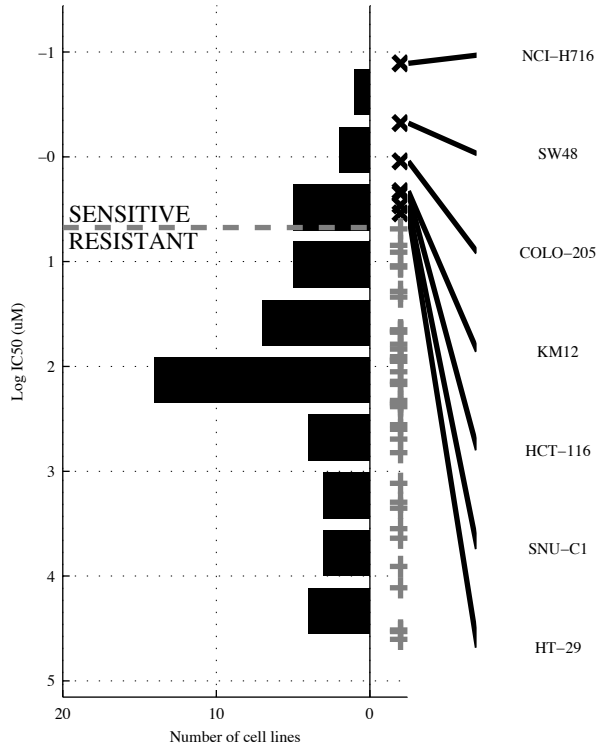
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>GNAS</b>	<b>-ARID1 &amp; -TP53</b>	<b>-ARID1 &amp; -BRAF &amp; -TP53</b>	<b>-ARID1 &amp; -BRAF &amp; -TP53 &amp; -d6q26</b>	<b>GNAS   PPP2R1</b>	<b>[ -ARID1 &amp; -TP53 ]   [ BRAF &amp; d20p12 ]</b>	<b>GNAS   PPP2R1   MAPK o</b>	<b>CHD9   GNAS   PPP2R1   d4q34.</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{2}{4} \mid \frac{0}{39}$ 1 0.33	$\frac{3}{3} \mid \frac{3}{36}$ 0.92 0.5 0.5	$\frac{3}{3} \mid \frac{1}{38}$ 0.97 0.75 0.5	$\frac{3}{3} \mid \frac{0}{39}$ 1 1 0.5	$\frac{3}{3} \mid \frac{0}{39}$ 1 1 0.5	$\frac{6}{0} \mid \frac{5}{34}$ 0.87 0.55 1	$\frac{4}{2} \mid \frac{1}{38}$ 0.97 0.8 0.67	$\frac{6}{0} \mid \frac{6}{33}$ 0.85 0.5 1



COADREAD  
 id: 1091 name: BMS-536924  
 target: IGF1R class: IGFR signaling

48 cell lines  
 7 sensitive

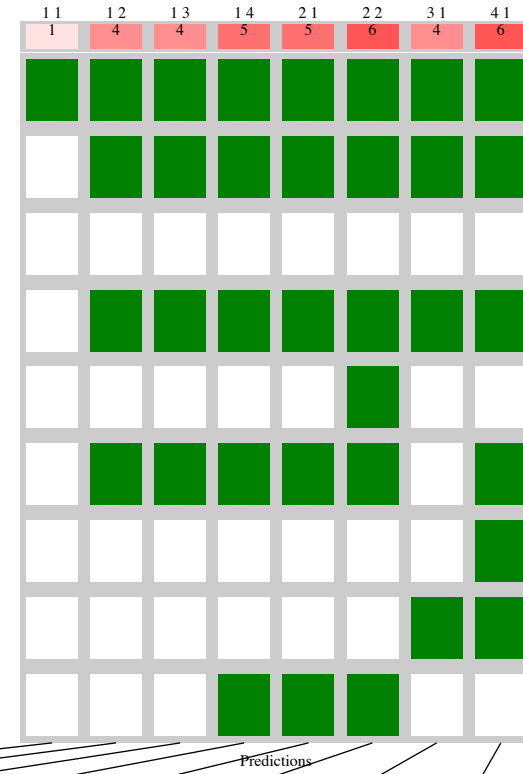
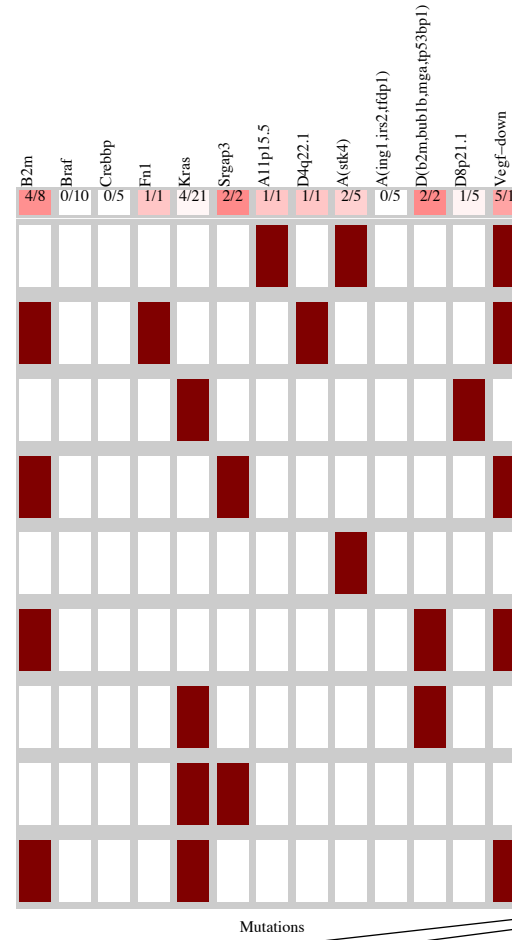
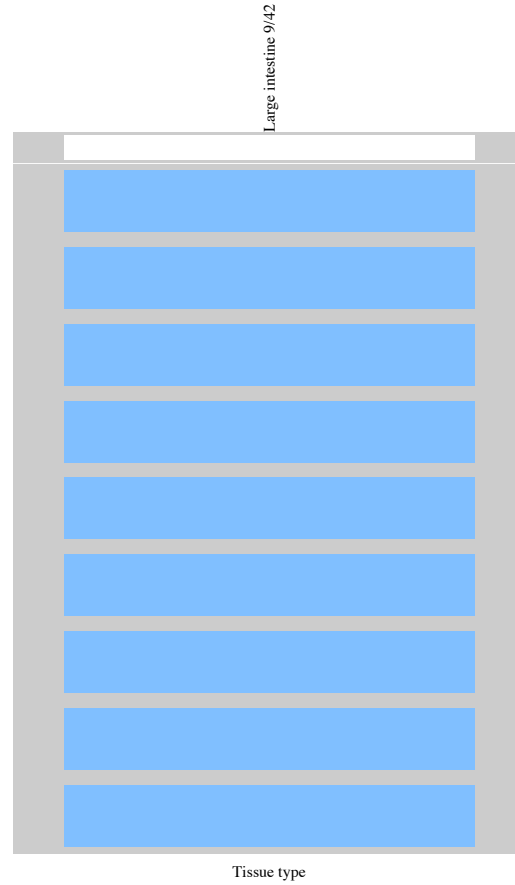
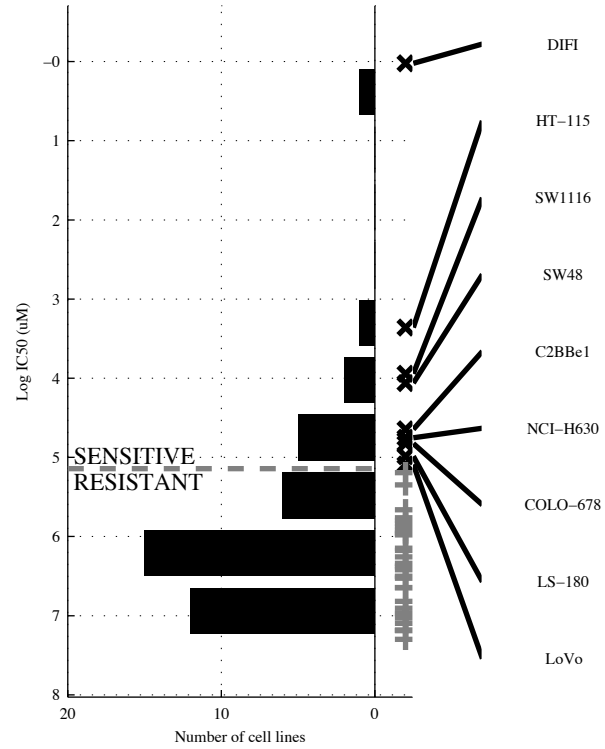
Large intestine 7/48



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>RNF43</b>	<b>RNF43 &amp; -SACS</b>	<b>-CREBB &amp; -KRAS &amp; d3p14.</b>	<b>-ARID2 &amp; -ASPM &amp; -KRAS &amp; d3p14.</b>	<b>RNF43   a(HSP9</b>	<b>[ RNF43 &amp; -SACS ]   [ -KRAS &amp; a(ING1 ]</b>	<b>MAP2K1   RNF43   a(HSP9</b>	<b>EGFR   PPP2R1   a(HSP9   a(MYC)</b>
TP   FP	4   6	4   1	5   5	5   3	5   6	6   1	6   6	6   6
Specificity	0.85	0.98	0.88	0.93	0.85	0.98	0.85	0.85
FN   TN	3   35	3   40	2   36	2   38	2   35	1   40	1   35	1   35
Precision	0.4	0.8	0.5	0.63	0.45	0.86	0.5	0.5
Recall	0.57	0.57	0.71	0.71	0.71	0.86	0.86	0.86

COADREAD  
 id: 1114 name: Cetuximab  
 target: EGFR class: EGFR signaling

42 cell lines  
 9 sensitive

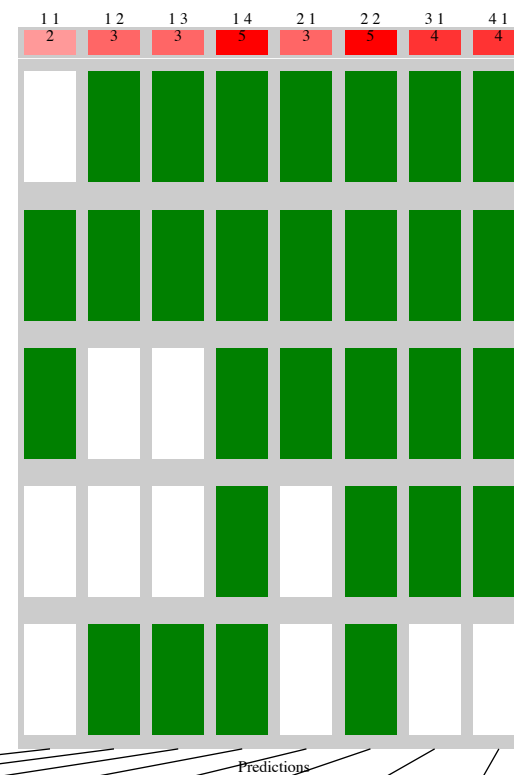
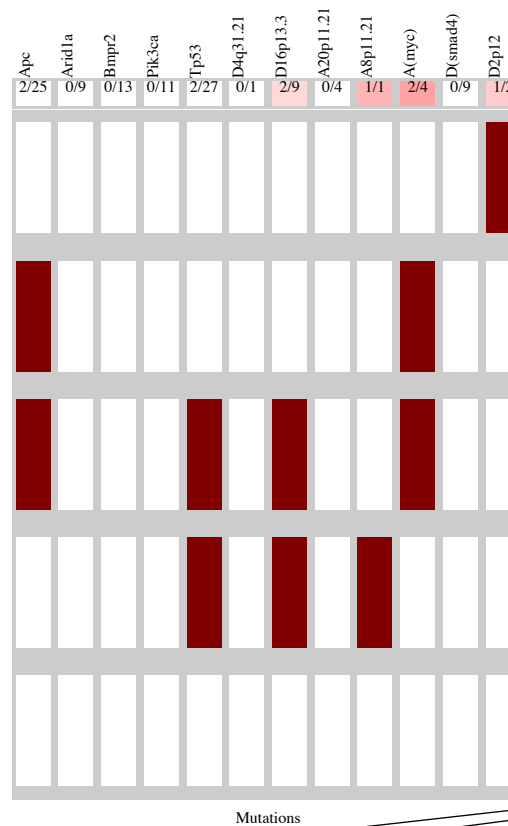
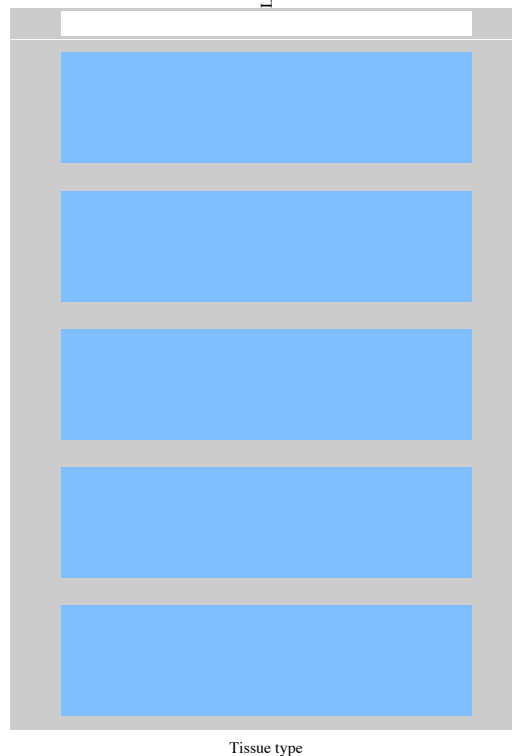
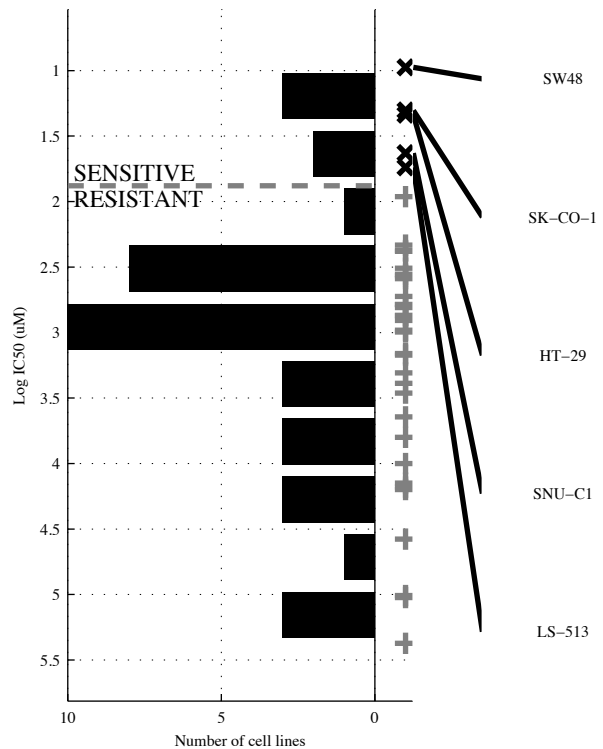


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1																																																																					
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1																																																																					
Logic formula	<b>a11p15</b>	<b>~KRAS &amp; VEGF-D</b>	<b>~BRAF &amp; ~KRAS &amp; VEGF-D</b>	<b>~CREBBP &amp; ~a(ING1 &amp; ~d8p21 &amp; VEGF-D</b>	<b>B2M   a11p15</b>	<b>[ ~BRAF &amp; a(STK4)   [ B2M &amp; CREBBP ]</b>	<b>FN1   SRGAP3   a11p15</b>	<b>SRGAP3   a11p15   d4q22.   d(B2M,</b>																																																																					
TP   FP Specificity FN   TN Precision Recall	<table border="1"> <tr><td>1</td><td>0</td><td>1</td></tr> <tr><td>8</td><td>33</td><td>1</td></tr> </table> 0.11	1	0	1	8	33	1	<table border="1"> <tr><td>4</td><td>4</td><td>0.88</td></tr> <tr><td>5</td><td>29</td><td>0.5</td></tr> <tr><td></td><td></td><td>0.44</td></tr> </table>	4	4	0.88	5	29	0.5			0.44	<table border="1"> <tr><td>4</td><td>2</td><td>0.94</td></tr> <tr><td>5</td><td>31</td><td>0.67</td></tr> <tr><td></td><td></td><td>0.44</td></tr> </table>	4	2	0.94	5	31	0.67			0.44	<table border="1"> <tr><td>5</td><td>0</td><td>1</td></tr> <tr><td>4</td><td>33</td><td>1</td></tr> <tr><td></td><td></td><td>0.56</td></tr> </table>	5	0	1	4	33	1			0.56	<table border="1"> <tr><td>5</td><td>4</td><td>0.88</td></tr> <tr><td>4</td><td>29</td><td>0.56</td></tr> <tr><td></td><td></td><td>0.56</td></tr> </table>	5	4	0.88	4	29	0.56			0.56	<table border="1"> <tr><td>6</td><td>3</td><td>0.91</td></tr> <tr><td>3</td><td>30</td><td>0.67</td></tr> <tr><td></td><td></td><td>0.67</td></tr> </table>	6	3	0.91	3	30	0.67			0.67	<table border="1"> <tr><td>4</td><td>0</td><td>1</td></tr> <tr><td>5</td><td>33</td><td>1</td></tr> <tr><td></td><td></td><td>0.44</td></tr> </table>	4	0	1	5	33	1			0.44	<table border="1"> <tr><td>6</td><td>0</td><td>1</td></tr> <tr><td>3</td><td>33</td><td>1</td></tr> <tr><td></td><td></td><td>0.67</td></tr> </table>	6	0	1	3	33	1			0.67
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4	4	0.88																																																																											
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3	33	1																																																																											
		0.67																																																																											

COADREAD  
 id: 1143 name: HG-5-88-01  
 target: EGFR, ADCK4 class: EGFR signaling

37 cell lines  
 5 sensitive

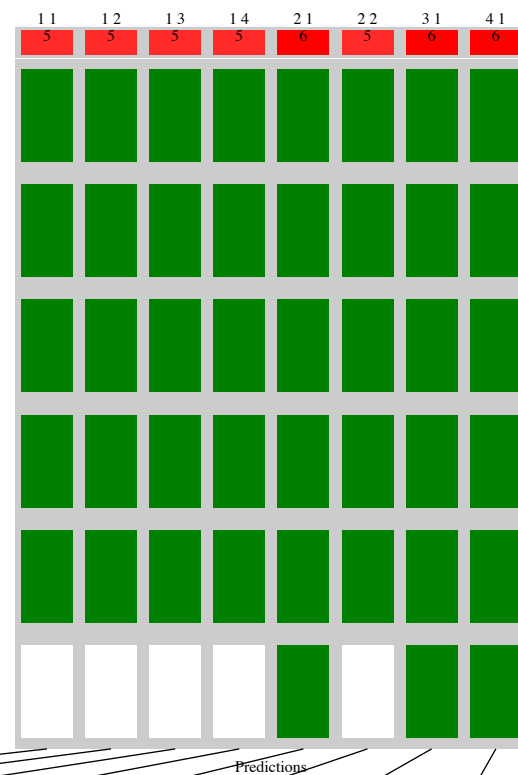
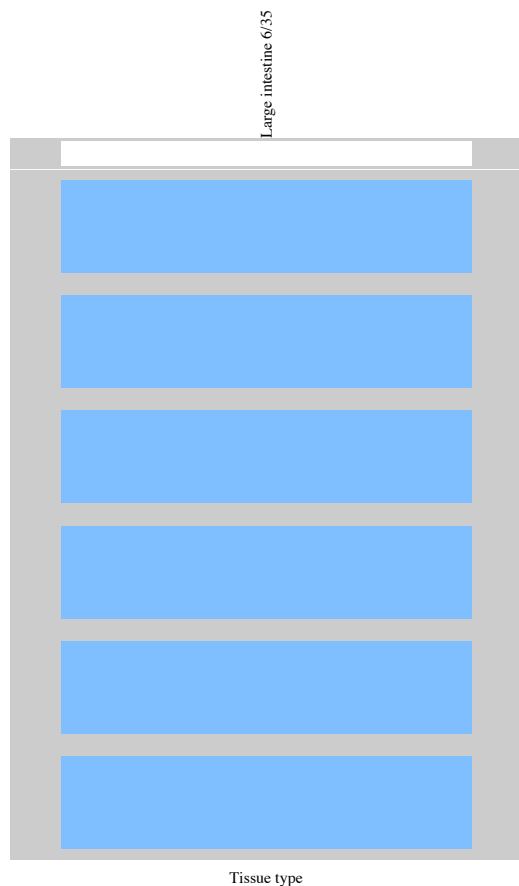
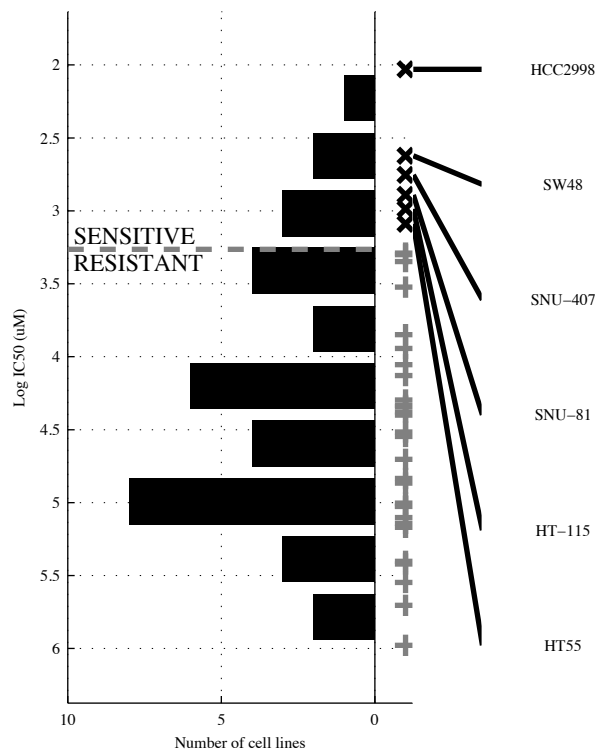
Large intestine 5/37



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>a(MYC)</b>	<b>-ARID1 &amp; -TP53</b>	<b>-ARID1 &amp; -TP53 &amp; -d16p13</b>	<b>-ARID1 &amp; PIK3C &amp; -a20p11 &amp; d(SMAD)</b>	<b>a(MYC)   d2p12</b>	<b>[ -APC &amp; BMPR2 ]   [ -d4q31 &amp; a(MYC) ]</b>	<b>a8p11.   a(MYC)   d2p12</b>	<b>a8p11.   a(MYC)   d2p12  </b>
TP   FP Specificity	2   2 0.94	3   1 0.97	3   0 1	5   6 0.81	3   2 0.94	5   3 0.91	4   2 0.94	4   2 0.94
FN   TN Precision	3   30 0.5	2   31 0.75	2   32 1	0   26 0.45	2   30 0.6	0   29 0.63	1   30 0.67	1   30 0.67
Recall	0.4	0.6	0.6	1	0.6	1	0.8	0.8

COADREAD  
 id: 1203 name: QL-XII-61  
 target: BTK class: other

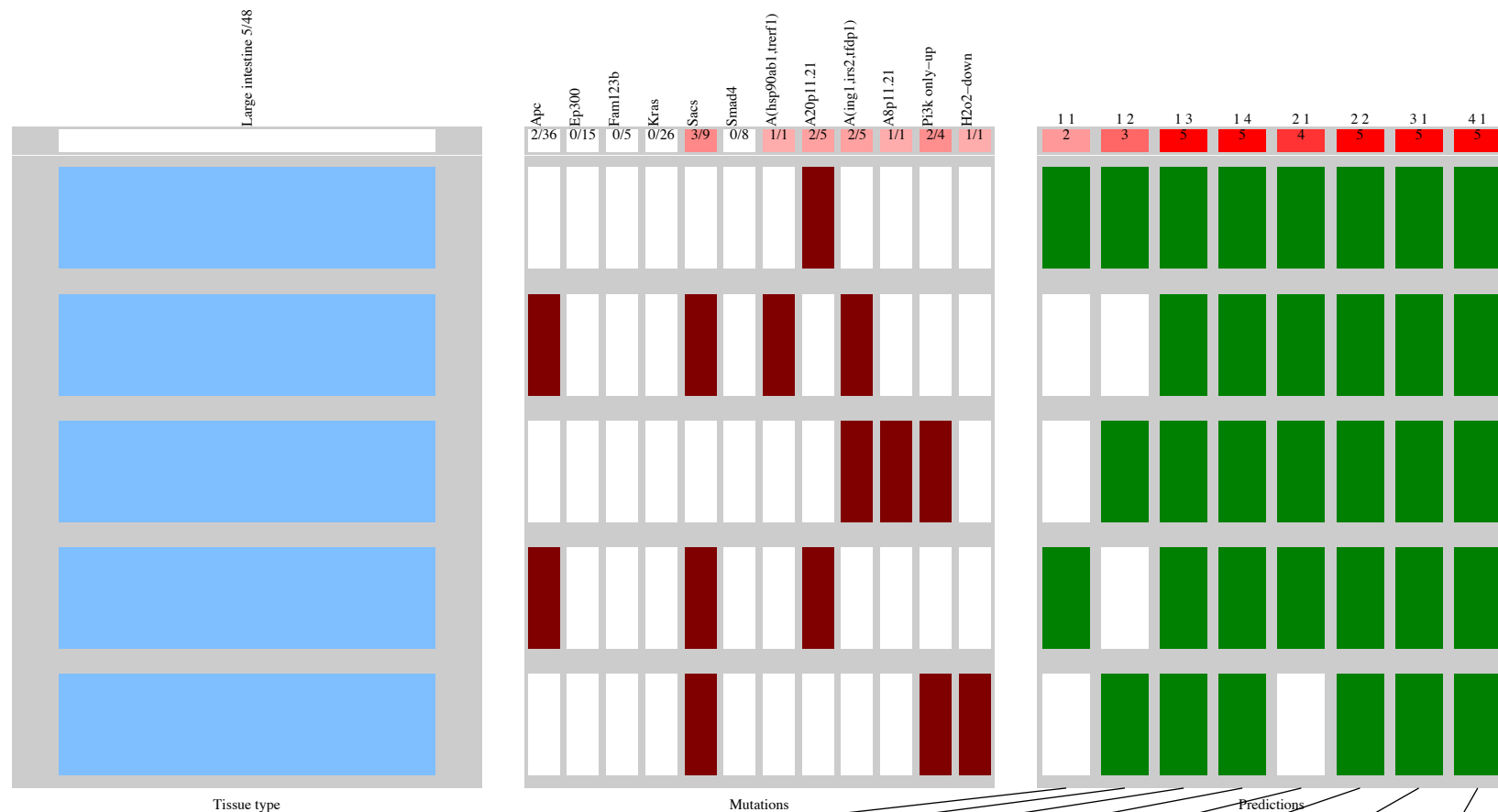
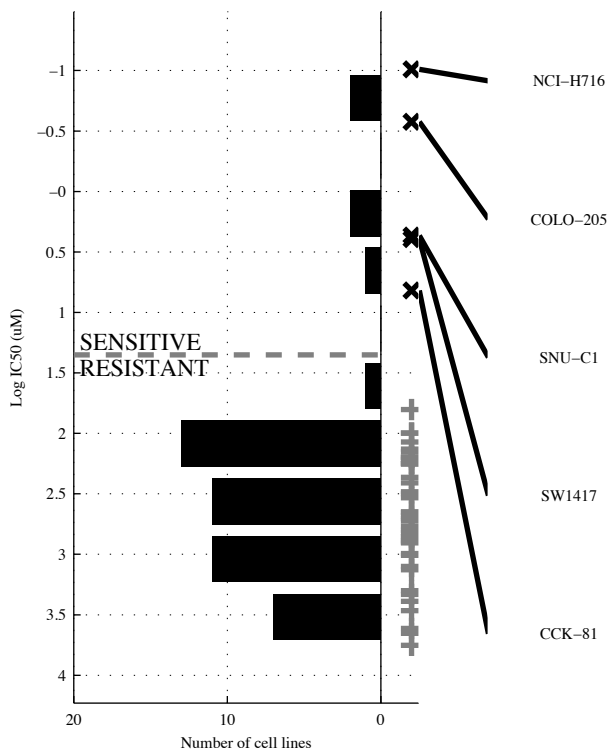
35 cell lines  
 6 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>FBXW7</b>		<b>FBXW7 &amp; d(MAP2)</b>		<b>FBXW7 &amp; d(MAP2) &amp; -a20p11</b>		<b>FBXW7 &amp; -TRIO &amp; -d(ARF) &amp; -d(APC)</b>		<b>FBXW7   MAP3K1</b>		<b>[ B2M &amp; -BMPR2 ]   [ -NF1 &amp; PBRM1 ]</b>		<b>DNMT3A   EGFR   PBRM1</b>		<b>DNMT3A   FN1   FOXP1   SRGAP3</b>	
TP   FP	5   5	0.83	5   3	0.9	5   2	0.93	5   1	0.97	6   5	0.83	5   0	1	6   3	0.9	6   2	0.93
FN   TN	1   24	0.5	1   26	0.63	1   27	0.71	1   28	0.83	0   24	0.55	1   29	1	0   26	0.67	0   27	0.75
Specificity		0.83		0.9		0.93		0.97		0.83		1		0.9		0.93
Precision		0.5		0.63		0.71		0.83		0.55		1		0.67		0.75
Recall		0.83		0.83		0.83		0.83		1		0.83		1		1

COADREAD  
 id: 1218 name: JQ1  
 target: BRD2, BRD3, BRD4 class: chromatin other

48 cell lines  
 5 sensitive

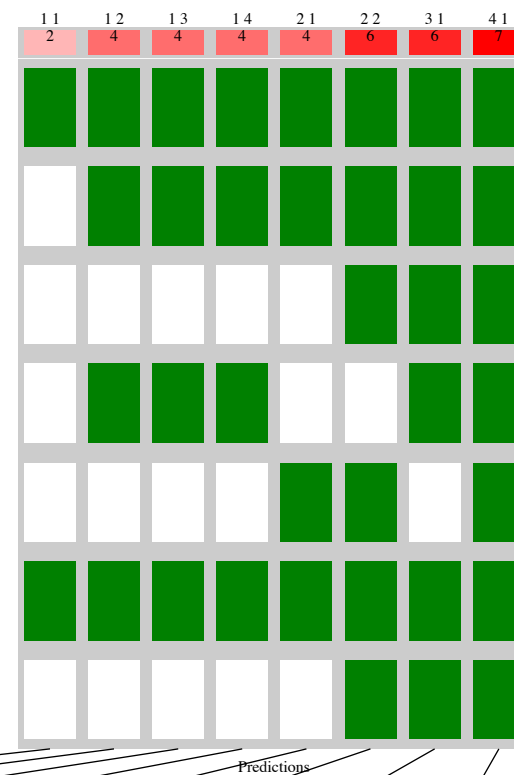
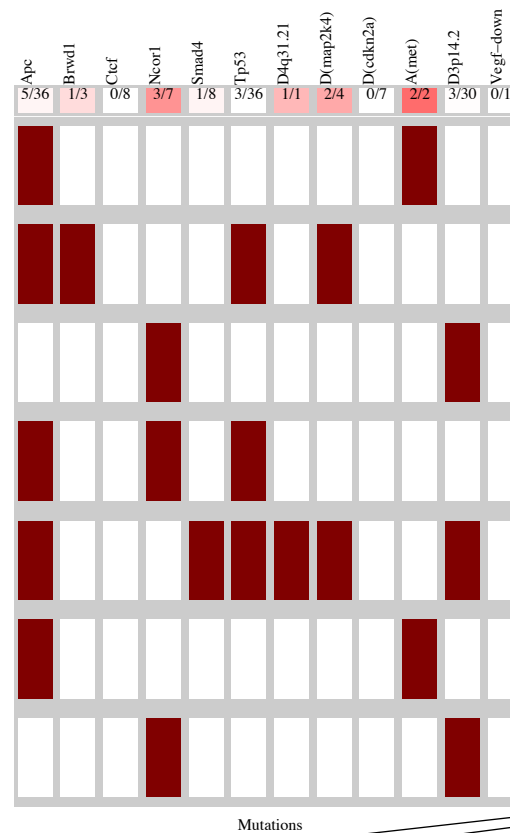
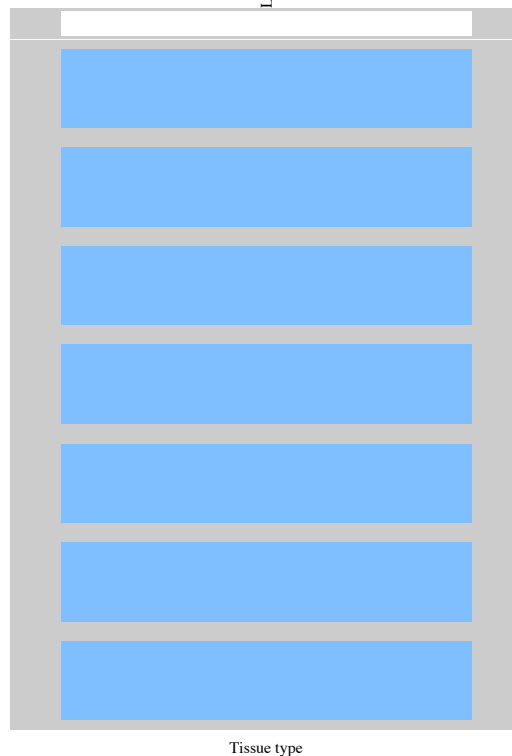
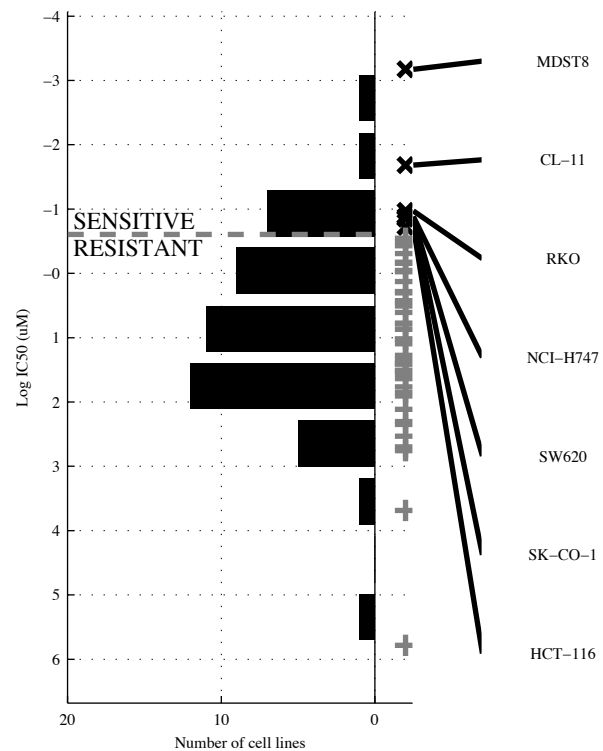


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>a20p11</b>	<b>-APC &amp; -KRAS</b>	<b>-EP300 &amp; -KRAS &amp; -SMAD4</b>	<b>-EP300 &amp; FAM123b &amp; -KRAS &amp; SMAD4</b>	<b>a20p11   a(ING1)</b>	<b>[ -EP300 &amp; SACS ]   [ -APC &amp; -KRAS ]</b>	<b>a(HSP9)   a20p11   PI3K o</b>	<b>a(HSP9)   a20p11   a8p11. IH2O2-D</b>
TP   FP Specificity	2   3 0.93	3   3 0.93	5   7 0.84	5   5 0.88	4   6 0.86	5   3 0.93	5   5 0.88	5   3 0.93
FN   TN Precision	3   40 0.4	2   40 0.5	0   36 0.42	0   38 0.5	1   37 0.4	0   40 0.63	0   38 0.5	0   40 0.63
Recall	0.4	0.6	1	1	0.8	1	1	1

COADREAD  
 id: 1242 name: (5Z)-7-Oxozeaenol  
 target: MAP3K7 (TAK1) class: other

48 cell lines  
 7 sensitive

Large intestine 7/48

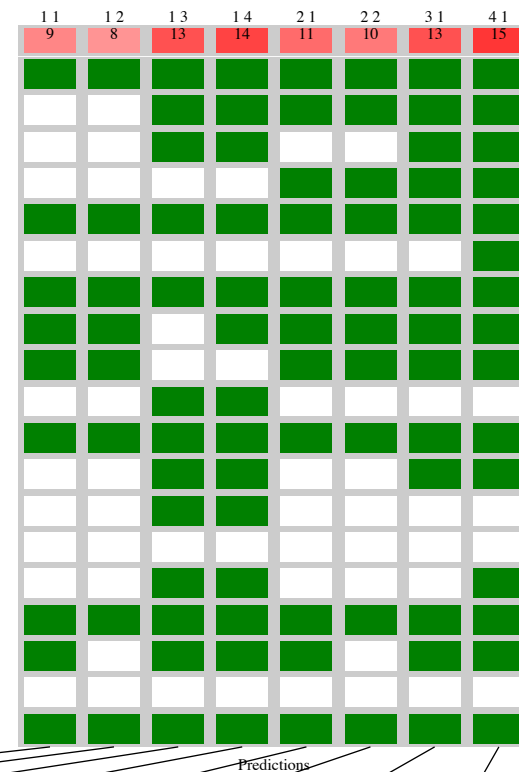
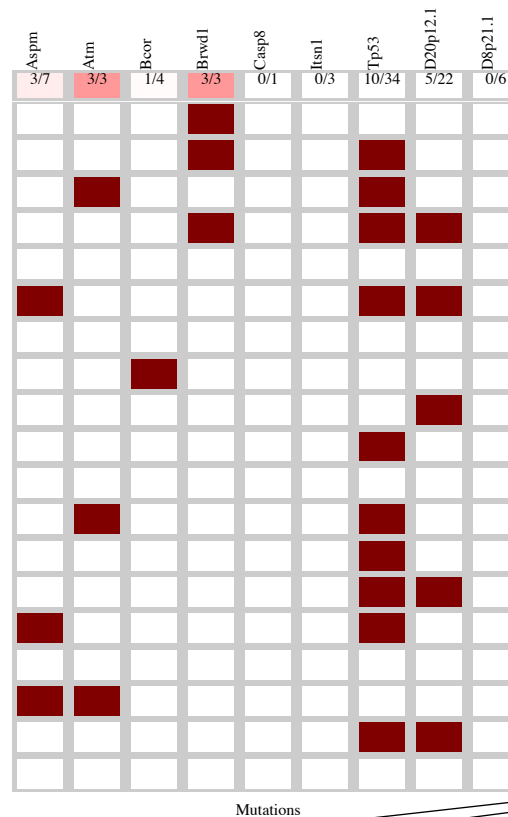
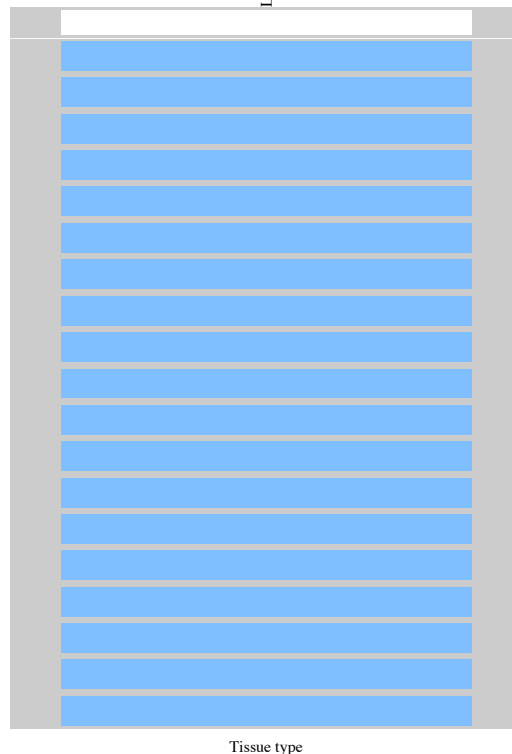
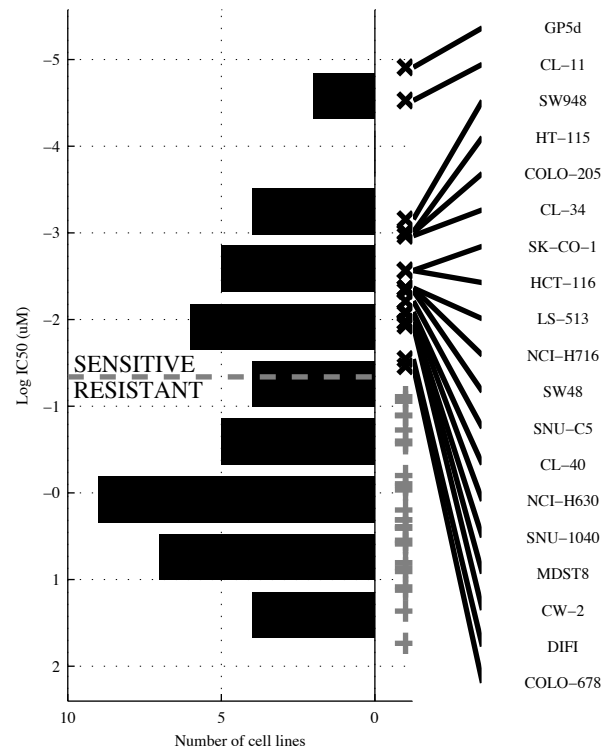


Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>a(MET)</b>		<b>-d3p14.&amp;VEGF-D</b>		<b>-SMAD4&amp;-d3p14.&amp;-VEGF-D</b>		<b>-SMAD4&amp;d(CDK2)&amp;-d3p14.&amp;VEGF-D</b>		<b>d(MAP21 a(MET))</b>		<b>[ APC &amp;d(MAP2) ]</b>		<b>BRWD1 NCOR1  a(MET)</b>		<b>BRWD1 NCOR1  d4q31.   a(MET)</b>	
TP   FP Specificity	2   0	1	4   7	0.83	4   3	0.93	4   1	0.98	4   2	0.95	6   5	0.88	6   5	0.88	7   5	0.88
FN   TN Precision	5   41	1	3   34	0.36	3   38	0.57	3   40	0.8	3   39	0.67	1   36	0.55	1   36	0.55	0   36	0.58
Recall		0.29		0.57		0.57		0.57		0.57		0.86		0.86		1

COADREAD  
 id: 1261 name: rTRAIL  
 target: TR10A (DR4), TR10B (DR5) class: apoptosis regulation

46 cell lines  
 19 sensitive

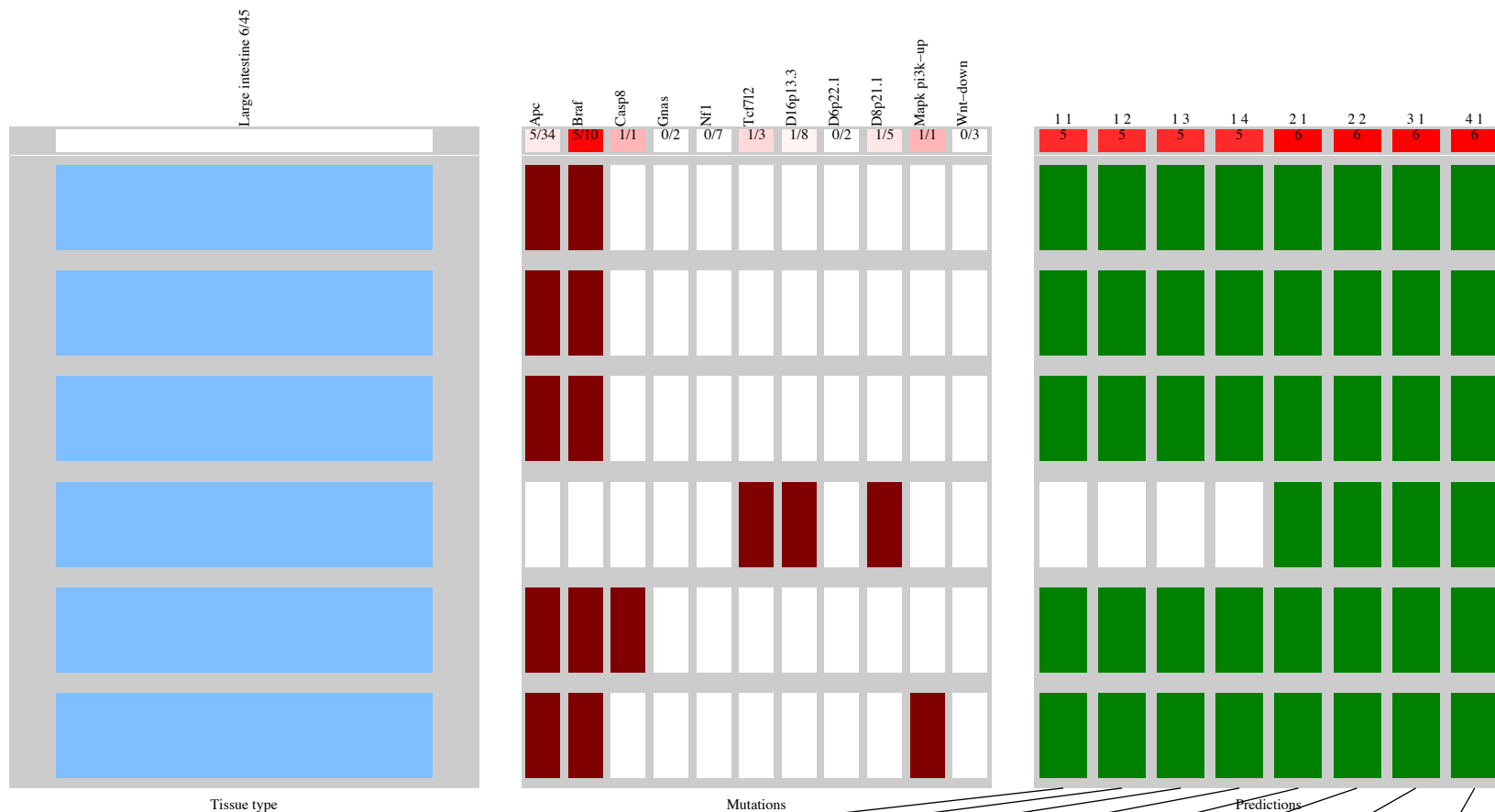
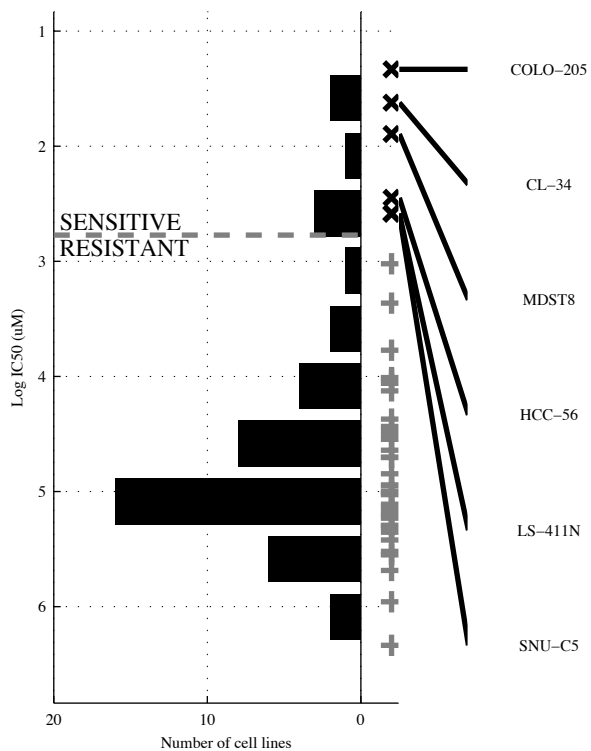
Large intestine 19/46



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>-TP53</b>	<b>-ASPM &amp; -TP53</b>	<b>-BCOR &amp; -d20p12 &amp; -d8p21.</b>	<b>-CASP8 &amp; -ITSN1 &amp; -d20p12 &amp; -d8p21.</b>	<b>BRWD1   -TP53</b>	<b>[ -ASPM &amp; -TP53 ]   [ BRWD1 &amp; ]</b>	<b>ATM   BRWD1   -TP53</b>	<b>ASPM   ATM   BRWD1   -TP53</b>
TP   FP	9   3	8   0	13   5	14   5	11   3	10   0	13   3	15   4
Specificity	0.89	1	0.81	0.81	0.89	1	0.89	0.85
FN   TN	10   24	11   27	6   22	5   22	8   24	9   27	6   24	4   23
Precision	0.75	1	0.72	0.74	0.79	1	0.81	0.79
Recall	0.47	0.42	0.68	0.74	0.58	0.53	0.68	0.79

COADREAD  
 id: 1371 name: PLX4720 (rescreen)  
 target: BRAF class: ERK MAPK signaling

45 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>BRAF</b>	<b>BRAF &amp; -NF1</b>	<b>APC &amp; BRAF &amp; -d6p22.</b>	<b>APC &amp; BRAF &amp; -GNAS&amp;Wnt-DO</b>	<b>BRAF   TCF7L2</b>	<b>[ BRAF &amp; -NF1 ]   [ d16p13 &amp; d8p21. ]</b>	<b>BRAF   TCF7L2  </b>	<b>BRAF   CASP8   TCF7L2   MAPK P</b>
TP   FP Specificity	5   5 0.87	5   3 0.92	5   2 0.95	5   1 0.97	6   7 0.82	6   3 0.92	6   7 0.82	6   7 0.82
FN   TN Precision	1   34 0.5	1   36 0.63	1   37 0.71	1   38 0.83	0   32 0.46	0   36 0.67	0   32 0.46	0   32 0.46
Recall	0.83	0.83	0.83	0.83	1	1	1	1

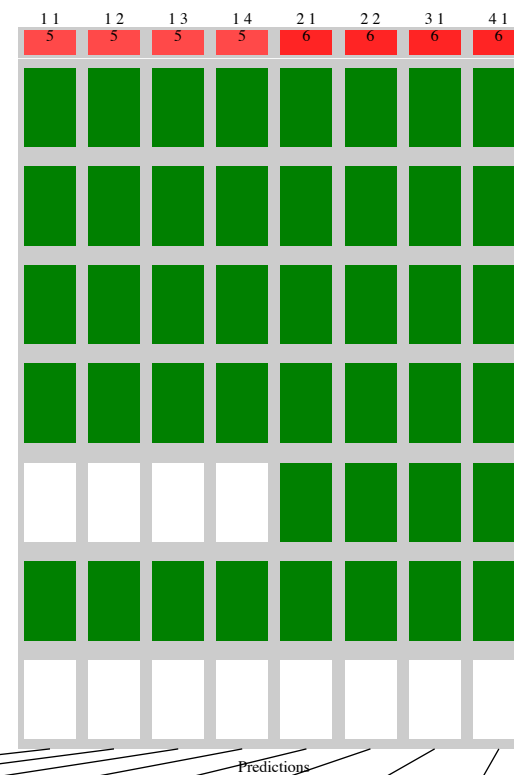
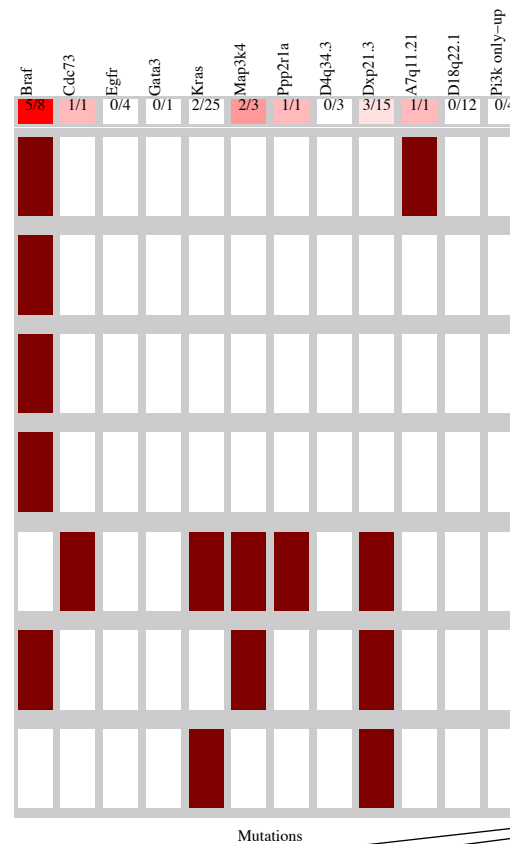
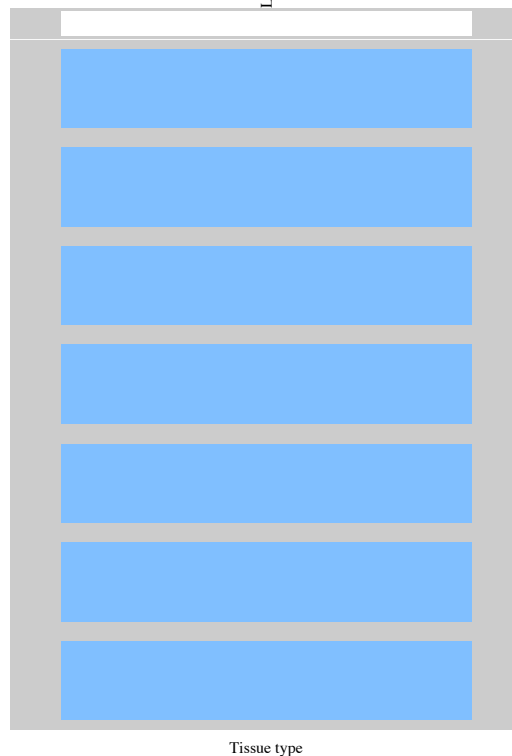
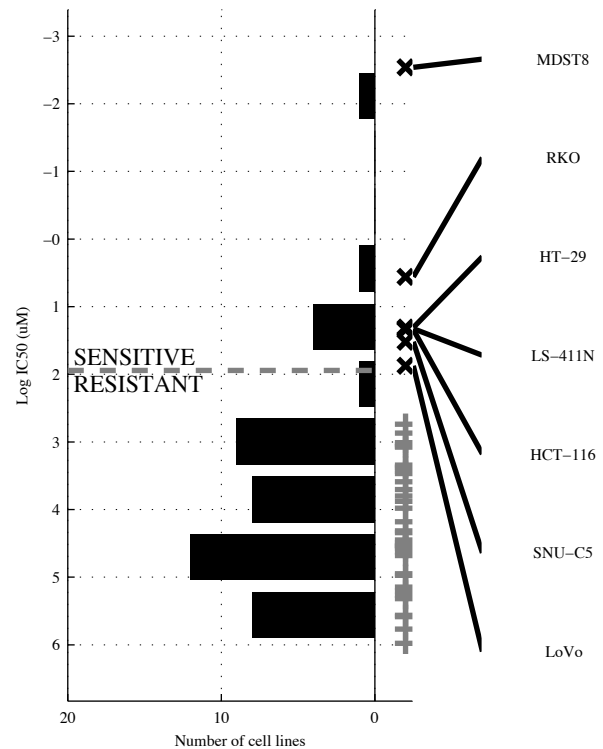




COADREAD  
 id: 1373 name: Dabrafenib  
 target: BRAF class: ERK MAPK signaling

44 cell lines  
 7 sensitive

Large intestine 7/44

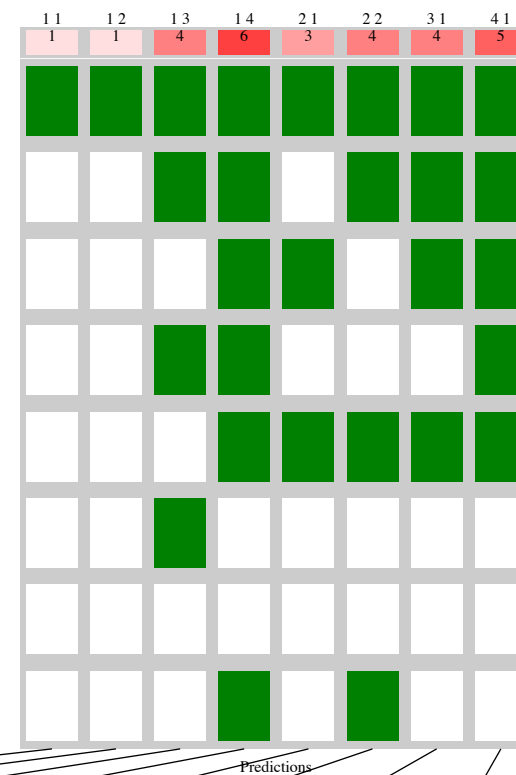
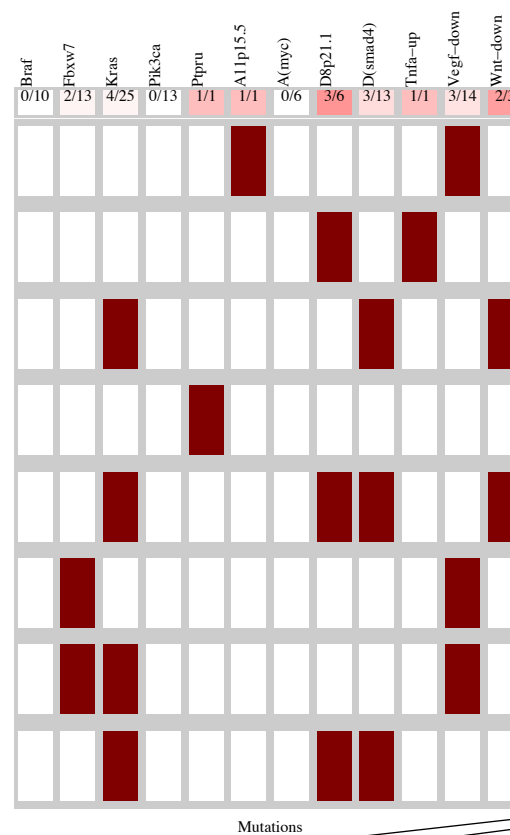
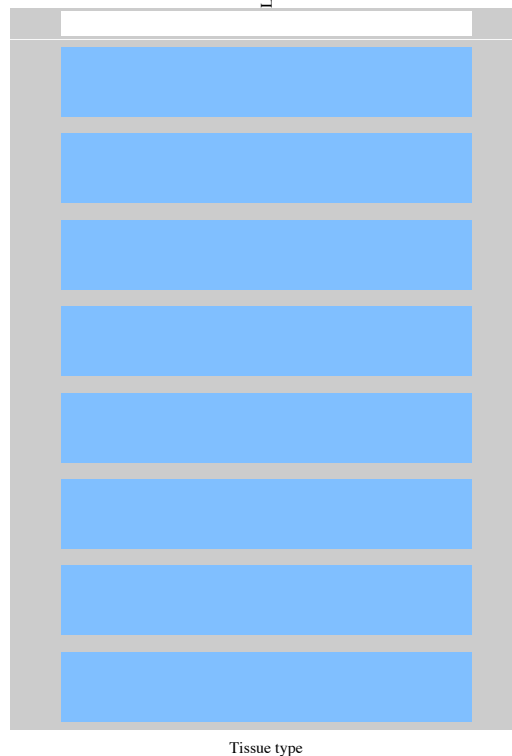
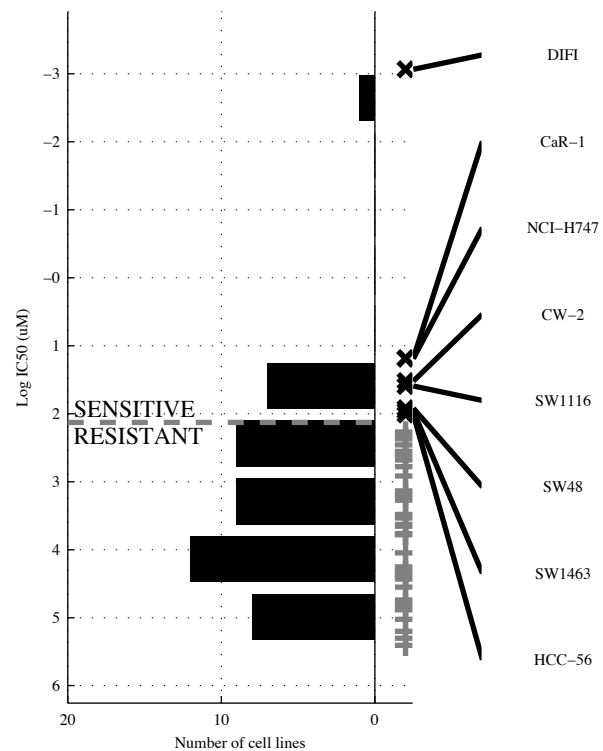


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>BRAF</b>	<b>BRAF &amp; ~KRAS</b>	<b>BRAF &amp; ~KRAS &amp; ~d18q22</b>	<b>BRAF &amp; ~EGFR &amp; ~d4q34 &amp; ~PI3K o</b>	<b>BRAF   CDC73</b>	<b>[~GATA3 &amp; ~MAP3K4]   [ BRAF &amp; ~dXp21.]</b>	<b>BRAF   PPP2R1   a7q11.</b>	<b>BRAF   PPP2R1   a7q11.  </b>
TP   FP Specificity	5   3 0.92	5   2 0.95	5   1 0.97	5   0 1	6   3 0.92	6   1 0.97	6   3 0.92	6   3 0.92
FN   TN Precision	2   34 0.63	2   35 0.71	2   36 0.83	2   37 0.71	1   34 0.67	1   36 0.86	1   34 0.67	1   34 0.67
Recall	0.71	0.71	0.71	0.71	0.86	0.86	0.86	0.86

COADREAD  
 id: 1377 name: Afatinib (rescreen)  
 target: ERBB2, EGFR class: EGFR signaling

46 cell lines  
 8 sensitive

Large intestine 8/46

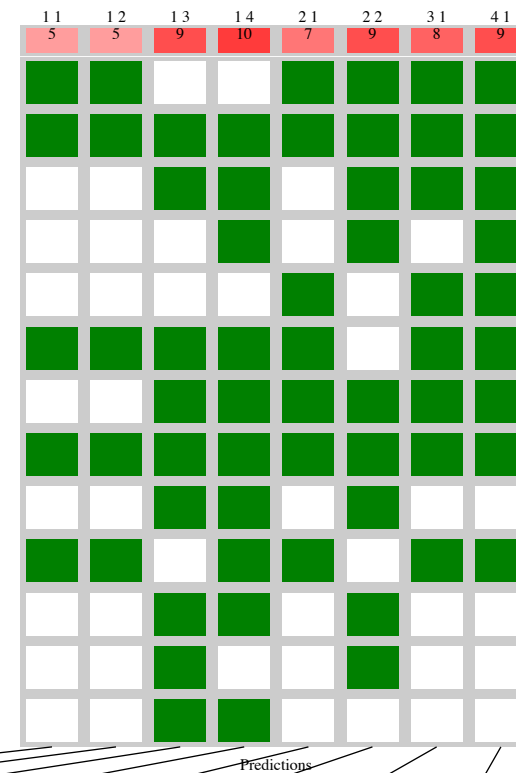
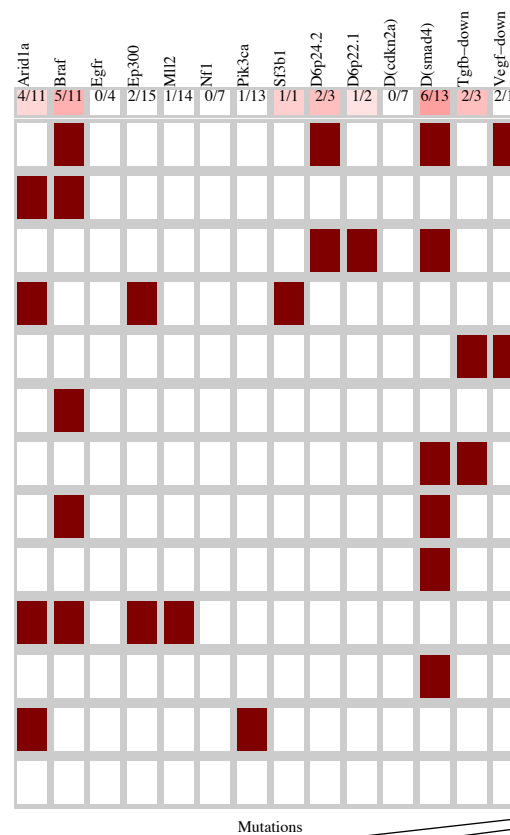
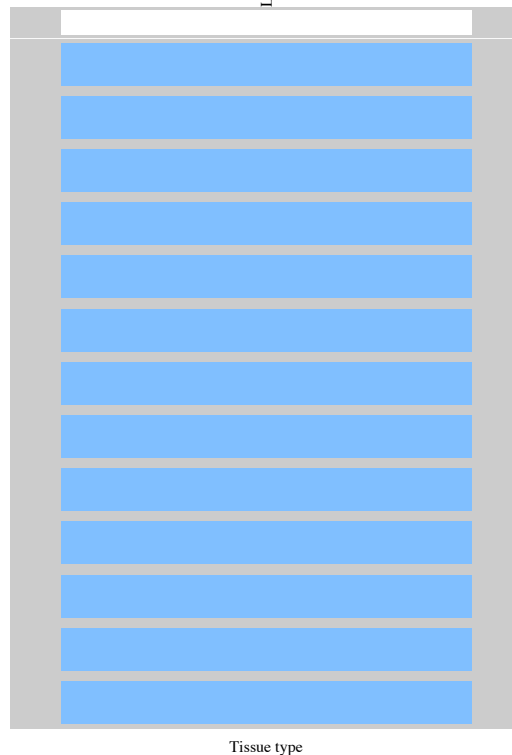
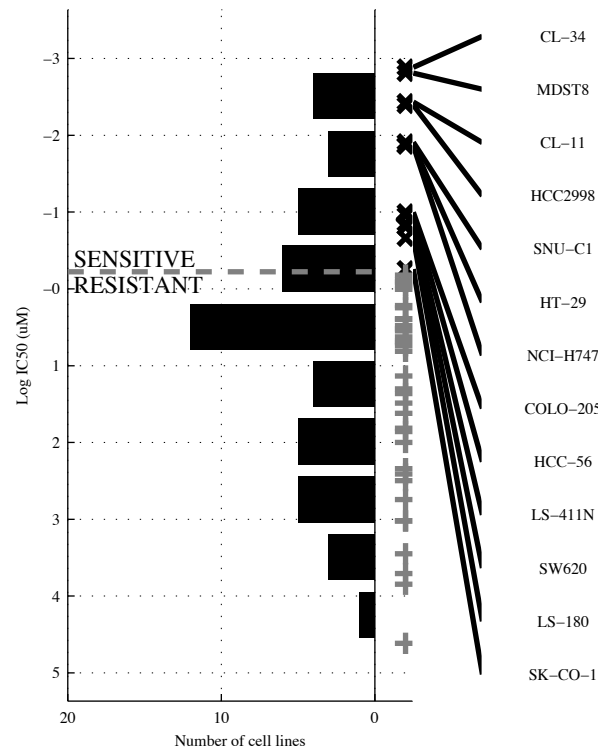


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a11p15</b>	<b>a11p15 &amp;</b>	<b>¬BRAF &amp; ¬KRAS &amp;</b> <b>¬a(MYC)</b>	<b>¬BRAF &amp; FBXW7 &amp;</b> <b>¬PIK3C &amp; a(MYC)</b>	<b>a11p15   Wnt-DO</b>	<b>[ d8p21. &amp; VEGF- ]</b> <b> </b> <b>[ a11p15 &amp; d(SMAD)</b>	<b>a11p15   TNFa-U  </b>	<b>PTPRU   a11p15  </b> <b>TNFa-U   Wnt-DO</b>
TP   FP	1   0	1   0	4   6	6   7	3   1	4   1	4   1	5   1
Specificity	1	1	0.84	0.82	0.97	0.97	0.97	0.97
FN   TN	7   38	7   38	4   32	2   31	5   37	4   37	4   37	3   37
Precision	1	1	0.4	0.46	0.75	0.8	0.8	0.83
Recall	0.13	0.13	0.5	0.75	0.38	0.5	0.5	0.63

COADREAD  
 id: 1498 name: AZD6244  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

48 cell lines  
 13 sensitive

Large intestine 13/48

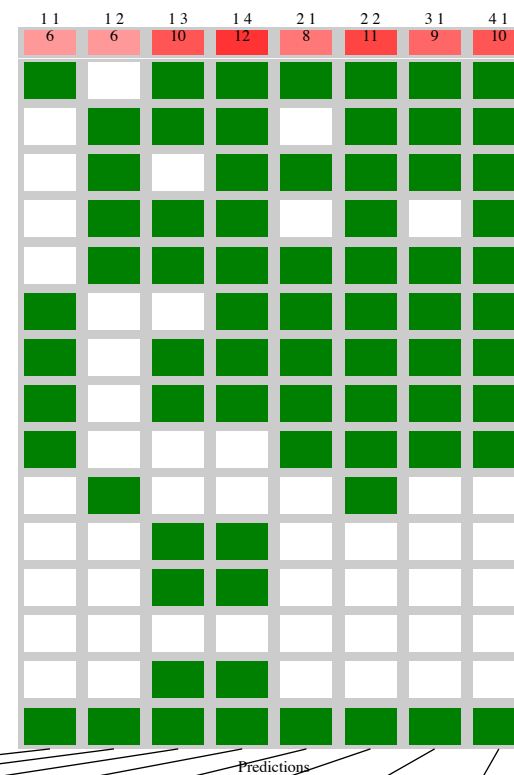
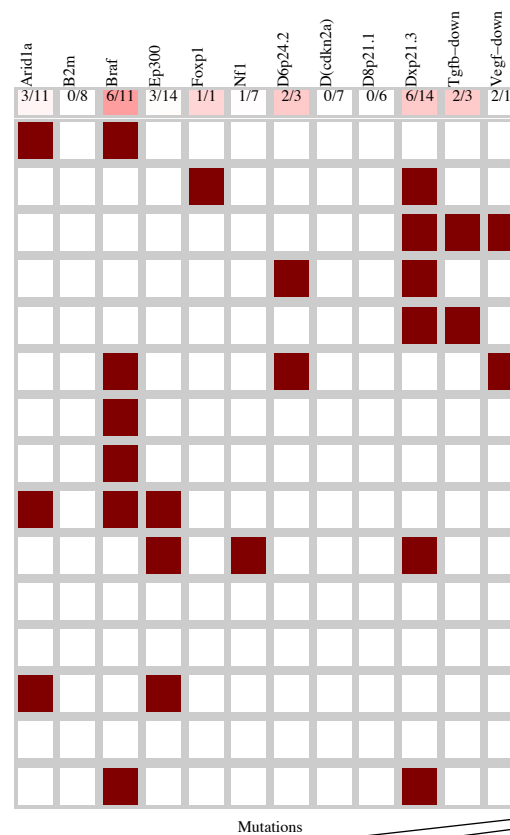
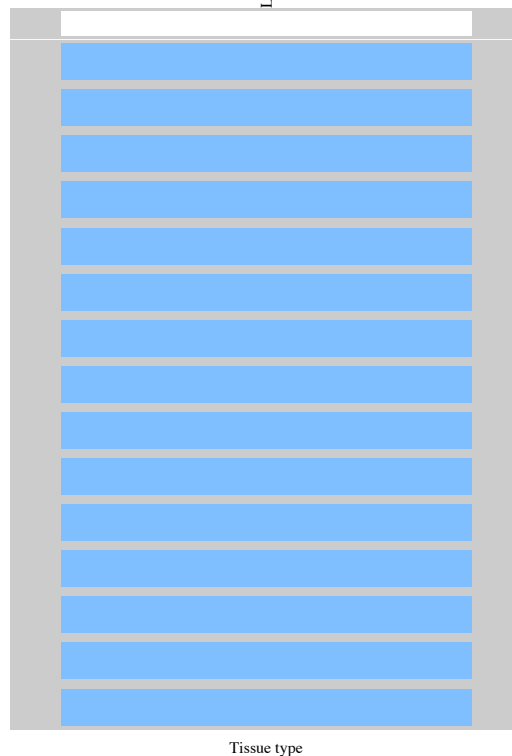
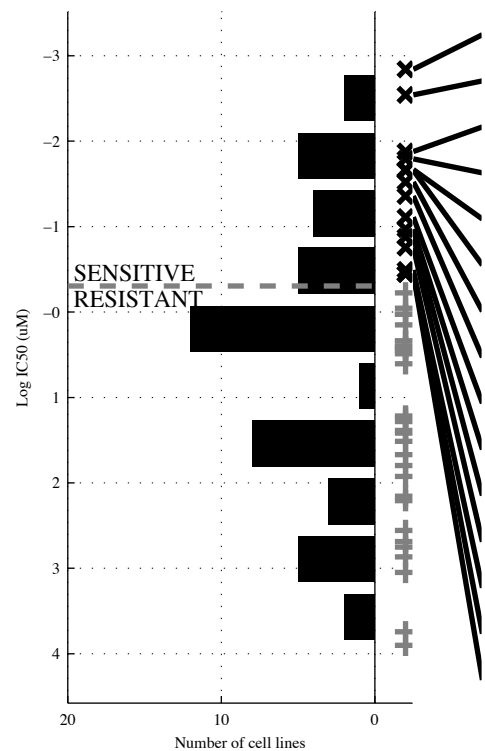


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>BRAF</b>	<b>BRAF &amp; -NF1</b>	<b>-EP300&amp;d(CDKK&amp;</b> <b>-VEGF-D</b>	<b>-EGFR&amp;PIK3C.&amp;</b> <b>-d(CDKK&amp;VEGF-D</b>	<b>BRAF  TGFB-D</b>	<b>[ARID1A&amp;-MLL2 ]</b> <b> </b> <b>[-d(CDKK&amp;d(SMAD)]</b>	<b>BRAF   d6p24.  </b> <b>TGFB-D</b>	<b>BRAF   SF3B1  </b> <b>d6p22.  TGFB-D</b>
TP   FP	5   6	5   4	9   7	10   6	7   7	9   4	8   7	9   7
Specificity	0.83	0.89	0.8	0.83	0.8	0.89	0.8	0.8
FN   TN	8   29	8   31	4   28	3   29	6   28	4   31	5   28	4   28
Precision	0.45	0.56	0.56	0.63	0.5	0.69	0.53	0.56
Recall	0.38	0.38	0.69	0.77	0.54	0.69	0.62	0.69

COADREAD  
 id: 1526 name: RDEA119 (rescreen)  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

47 cell lines  
 15 sensitive

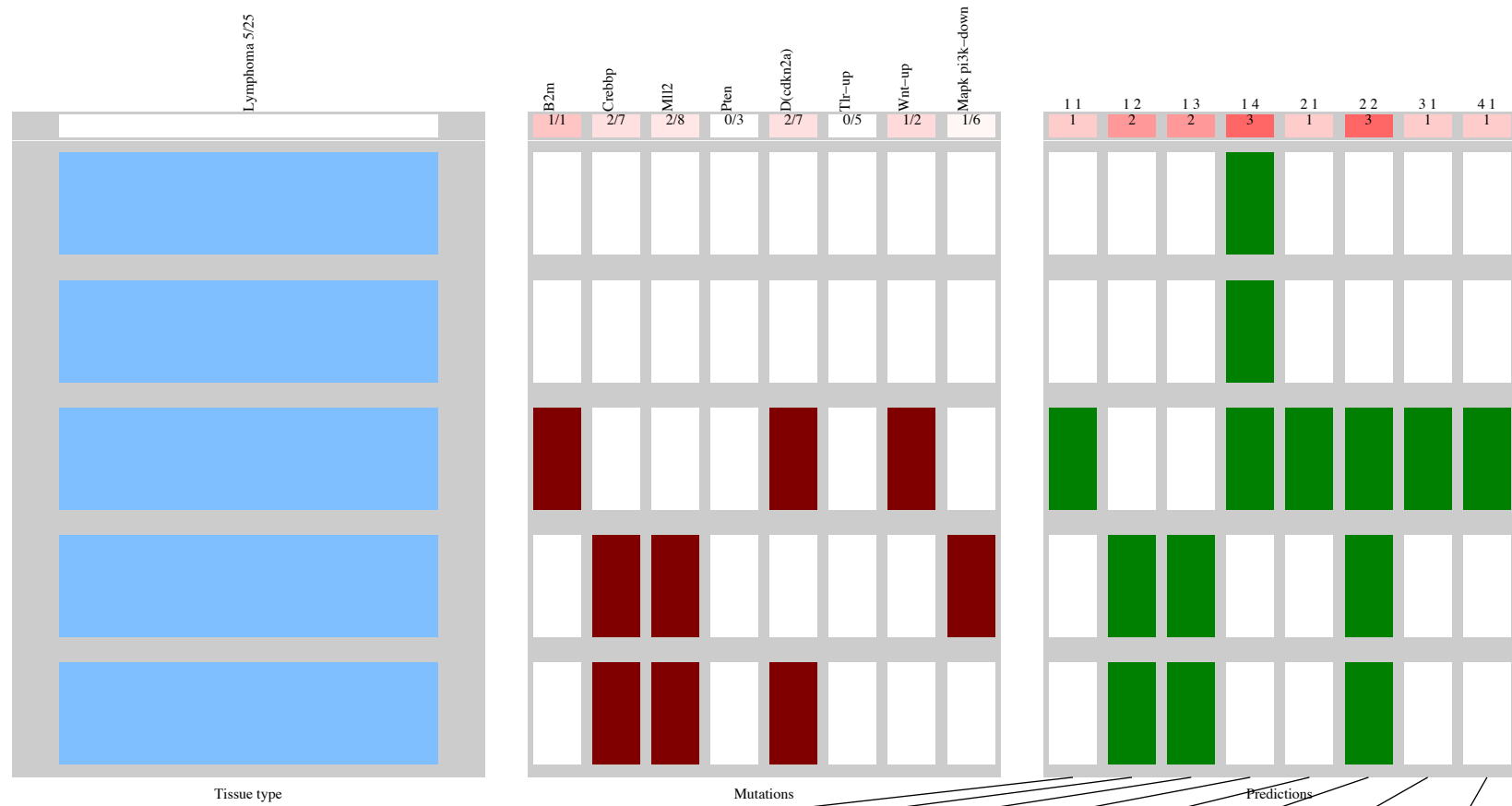
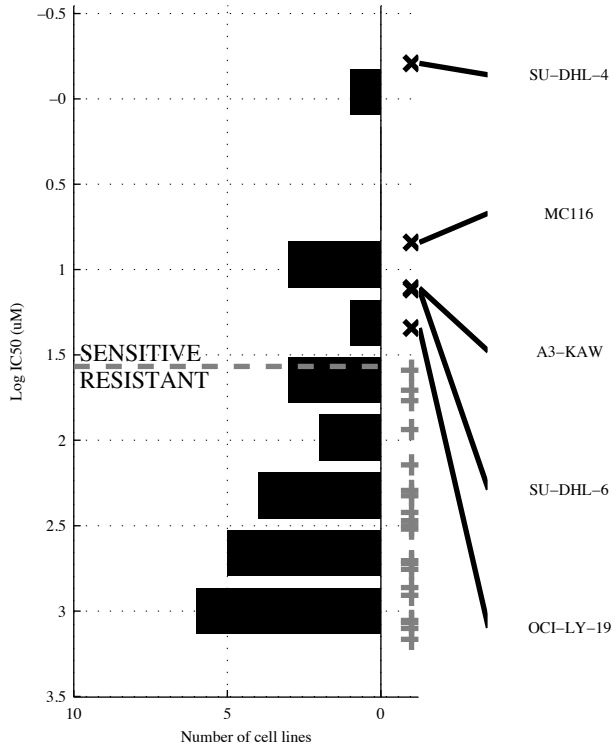
Large intestine 15/47



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>BRAF</b>	<b>-ARID1&amp;dXp21.</b>	<b>-EP300&amp;d(CDK&amp;</b> <b>-VEGF-D</b>	<b>-B2M &amp;-EP300&amp;</b> <b>-d(CDK&amp;-d8p21.</b>	<b>BRAF  TGFB-D</b>	<b>[ BRAF &amp; -NF1 ]</b> <b> </b> <b>[ -ARID1&amp;dXp21. ]</b>	<b>BRAF   FOXP1  </b> <b>TGFB-D</b>	<b>BRAF   FOXP1  </b> <b>d6p24.  TGFB-D</b>
TP   FP	6   5	6   3	10   6	12   6	8   6	11   6	9   6	10   6
Specificity	0.84	0.91	0.81	0.81	0.81	0.81	0.81	0.81
FN   TN	9   27	9   29	5   26	3   26	7   26	4   26	6   26	5   26
Precision	0.55	0.67	0.63	0.67	0.57	0.65	0.6	0.63
Recall	0.4	0.4	0.67	0.8	0.53	0.73	0.6	0.67

DLBC  
 id: 1 name: Erlotinib  
 target: EGFR class: EGFR signaling

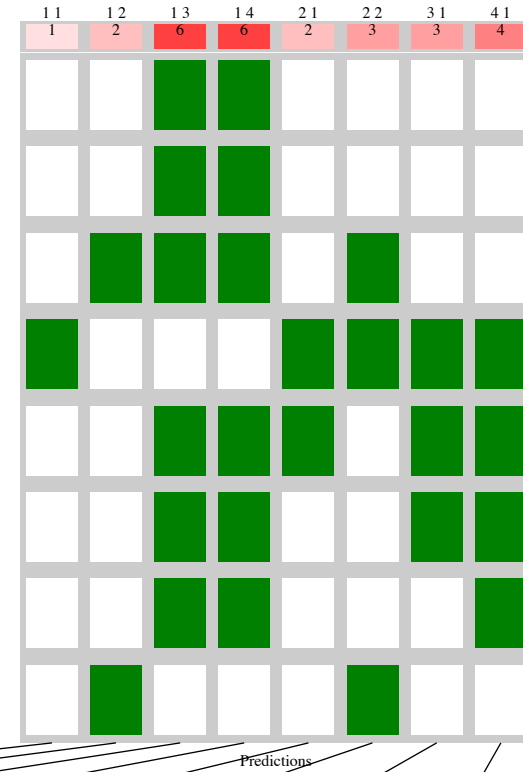
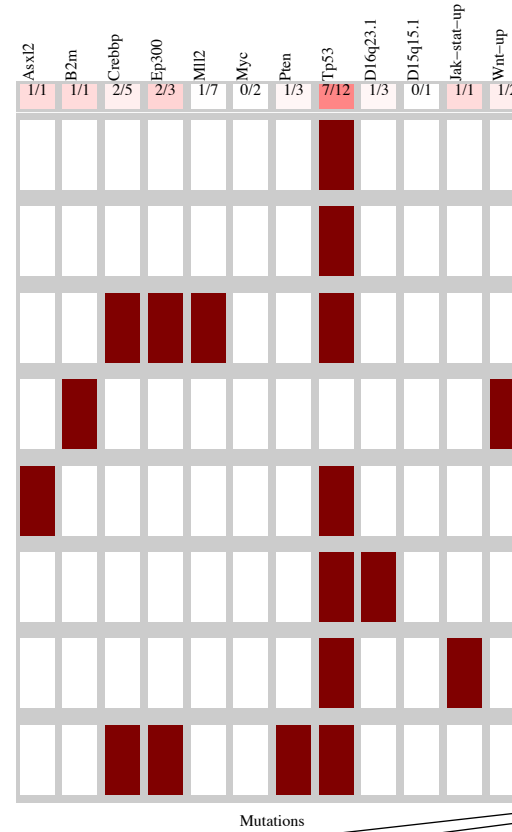
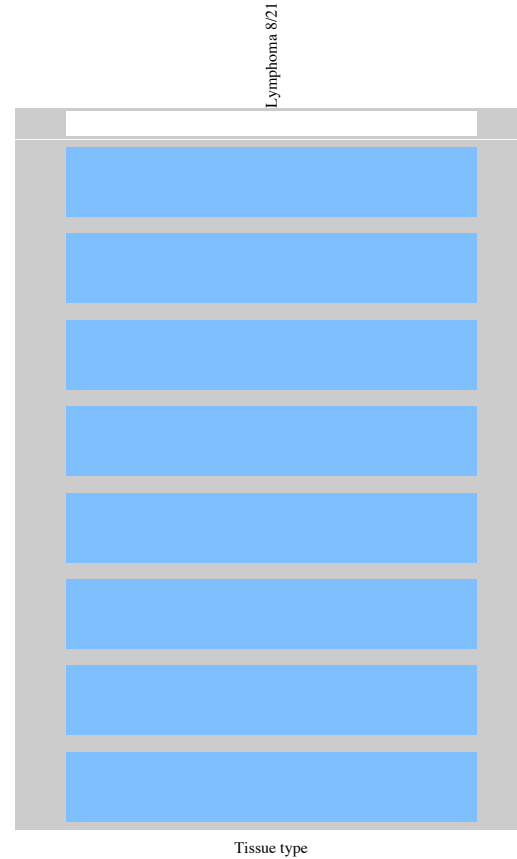
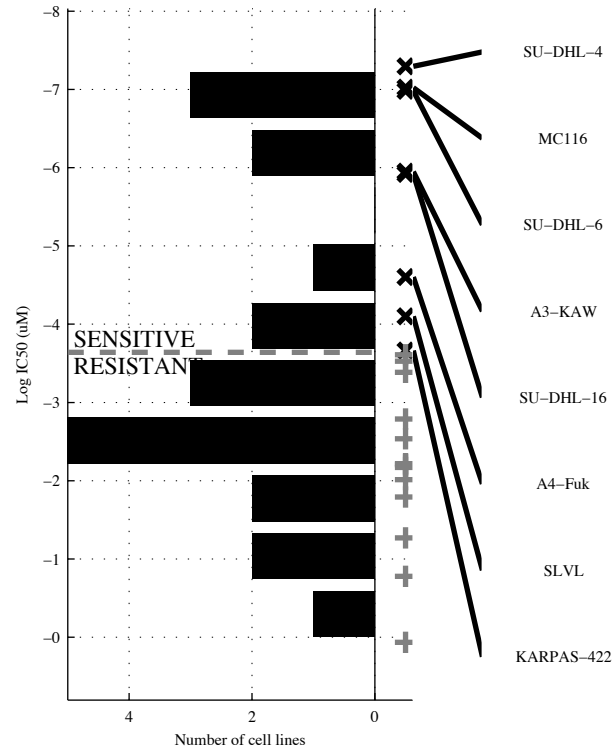
25 cell lines  
 5 sensitive



Model name	11	12	13	14	21	22	31	41
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>B2M</b>	<b>CREBBI &amp; MLL2</b>	<b>CREBBI &amp; MLL2 &amp;</b>	<b>-MLL2 &amp; -PTEN &amp; -TLR-U &amp; MAPK P</b>	<b>B2M  </b>	<b>[d(CDKN &amp; Wnt-UP)   [CREBBI &amp; MLL2 ]</b>	<b>B2M    </b>	<b>B2M    </b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{4} \mid \frac{0}{20}$ 1 0.2	$\frac{2}{3} \mid \frac{0}{20}$ 1 0.4	$\frac{2}{3} \mid \frac{0}{20}$ 1 0.4	$\frac{3}{2} \mid \frac{4}{16}$ 0.8 0.43 0.6	$\frac{1}{4} \mid \frac{0}{20}$ 1 0.2	$\frac{3}{2} \mid \frac{0}{20}$ 1 0.6	$\frac{1}{4} \mid \frac{0}{20}$ 1 0.2	$\frac{1}{4} \mid \frac{0}{20}$ 1 0.2

DLBC  
 id: 3 name: Rapamycin  
 target: MTOR class: TOR signaling

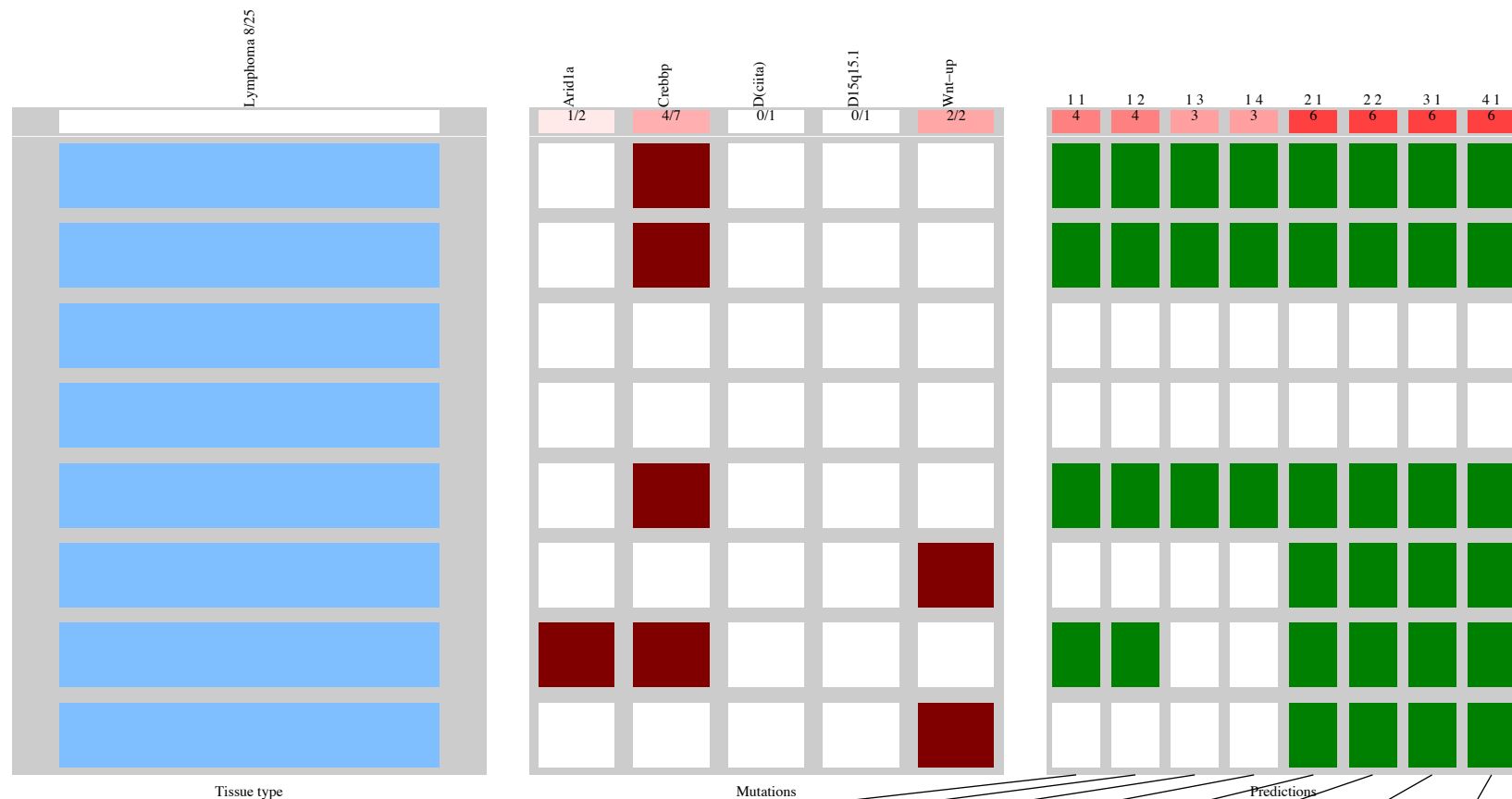
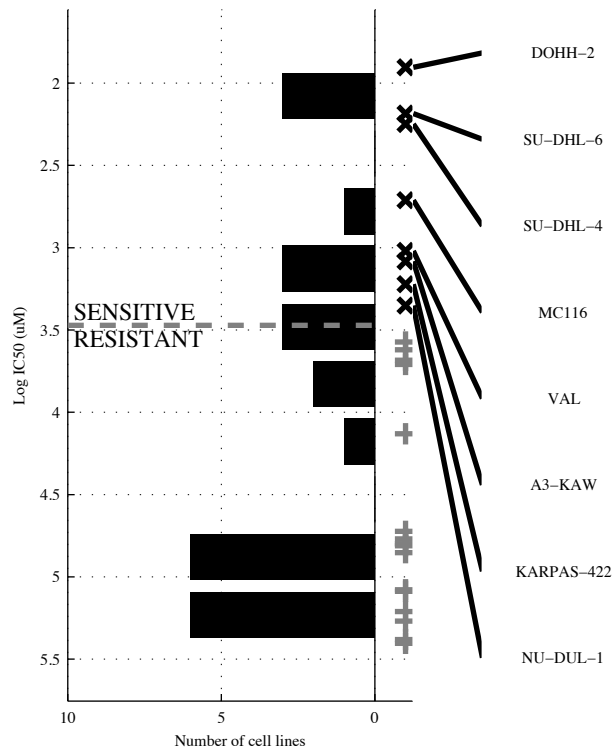
21 cell lines  
 8 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>B2M</b>	<b>CREBBI &amp; EP300</b>	<b>-PTEN &amp; TP53 &amp; -d15q15</b>	<b>-MYC &amp; -PTEN &amp; TP53 &amp; -d15q15</b>	<b>ASXL2   B2M</b>	<b>[ -MLL2 &amp; Wnt-UP ]   [ CREBBI &amp; EP300 ]</b>	<b>ASXL2   B2M   d16q23</b>	<b>ASXL2   B2M   d16q23   JAK-ST</b>
TP   FP	1   0	2   0	6   2	6   1	2   0	3   0	3   2	4   2
Specificity	1	1	0.85	0.92	1	1	0.85	0.85
FN   TN	7   13	6   13	2   11	2   12	6   13	5   13	5   11	4   11
Precision	1	1	0.75	0.86	1	1	0.6	0.67
Recall	0.13	0.25	0.75	0.75	0.25	0.38	0.38	0.5

DLBC  
 id: 17 name: Cyclophamine  
 target: SMO class: other

25 cell lines  
 8 sensitive

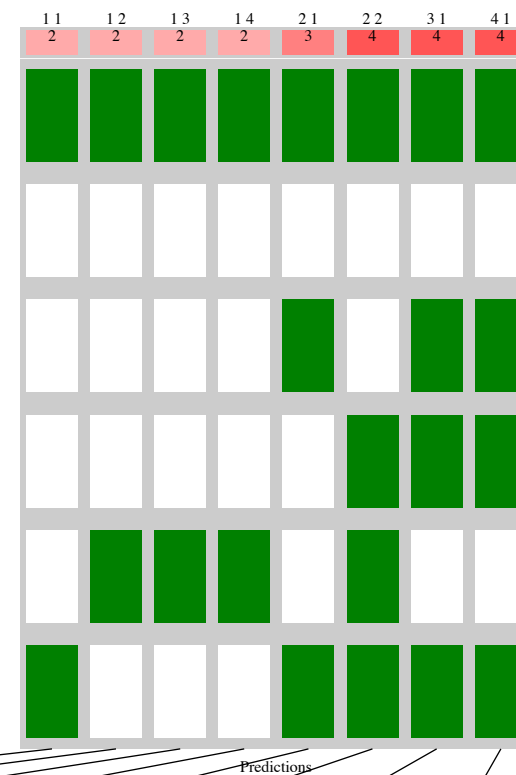
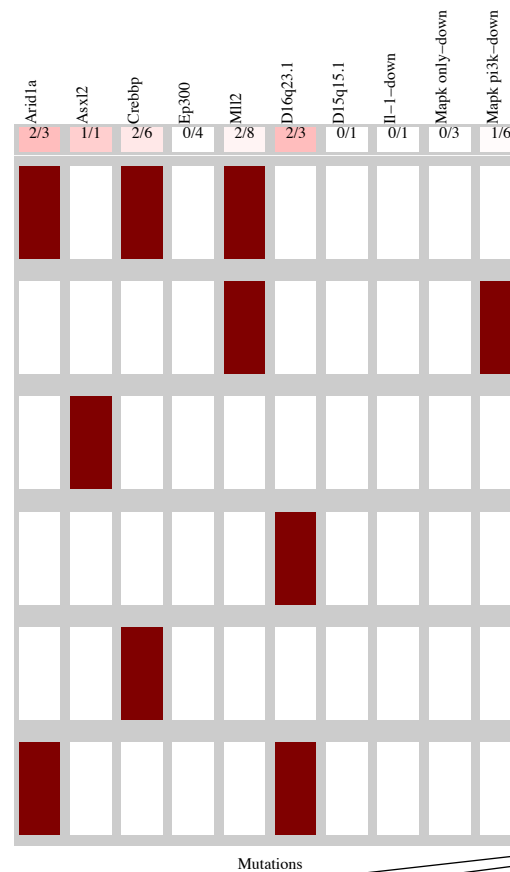
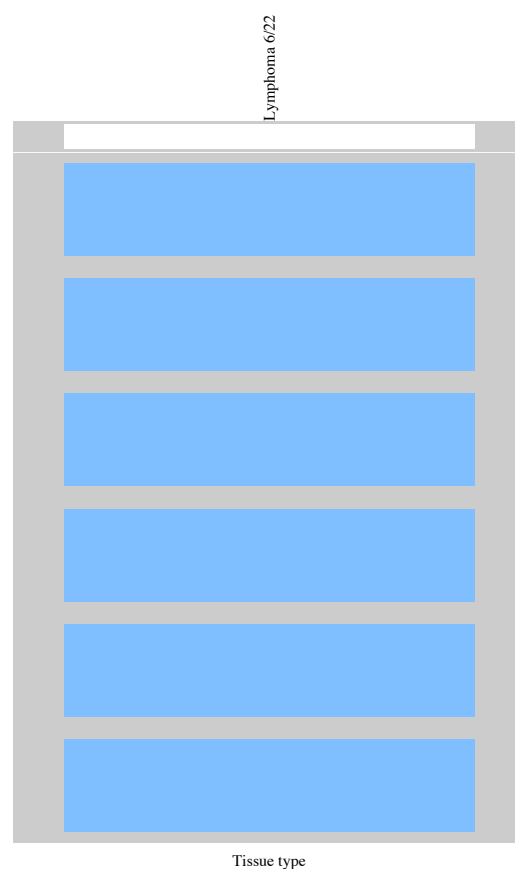
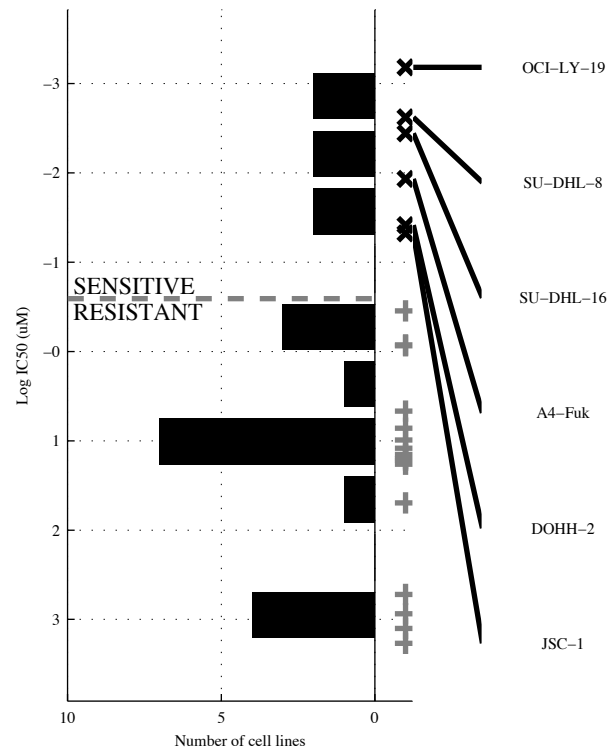


Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>CREBBP</b>		<b>CREBBP &amp; ~d15q15</b>		<b>~ARID1A &amp; CREBBP &amp; ~d15q15</b>		<b>~ARID1A &amp; CREBBP &amp; ~d(CIT1 &amp; d15q15)</b>		<b>CREBBP   Wnt-UP</b>		<b>[Wnt-UP &amp;   ]</b>		<b>CREBBP   Wnt-UP  </b>		<b>CREBBP   Wnt-UP  </b>	
TP   FP	4   3	0.82	4   2	0.88	3   1	0.94	3   0	1	6   3	0.82	6   2	0.88	6   3	0.82	6   3	0.82
FN   TN	4   14	0.57	4   15	0.67	5   16	0.75	5   17	1	2   14	0.67	2   15	0.75	2   14	0.67	2   14	0.67
Specificity																
Precision																
Recall		0.5		0.5		0.38		0.38		0.75		0.75		0.75		0.75



DLBC  
 id: 32 name: VX-680  
 target: AURKA, AURKB, AURKC, FLT3, ABL1, JAK2 class: mitosis

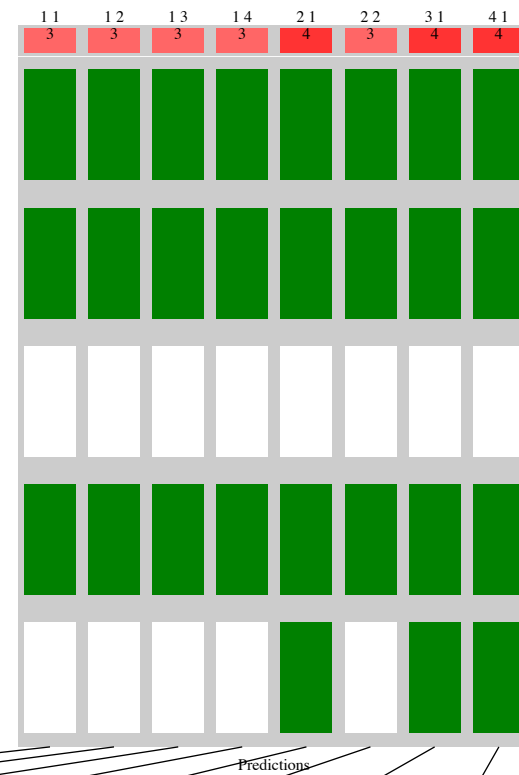
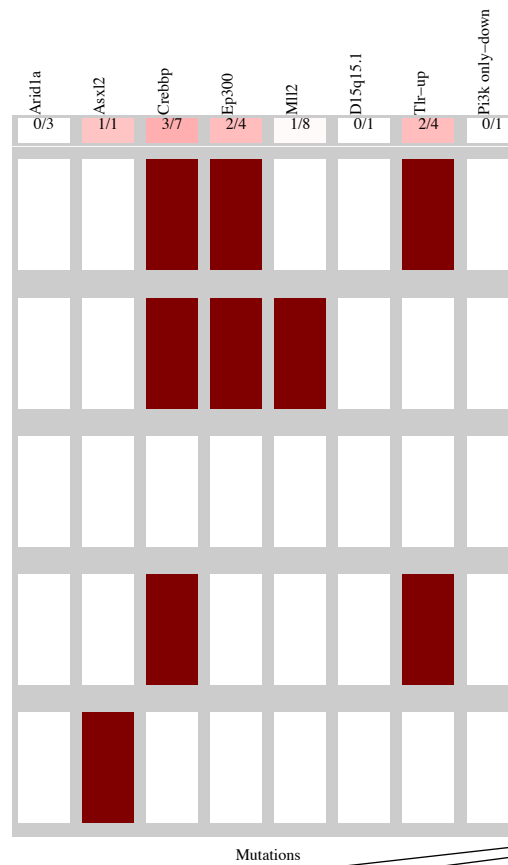
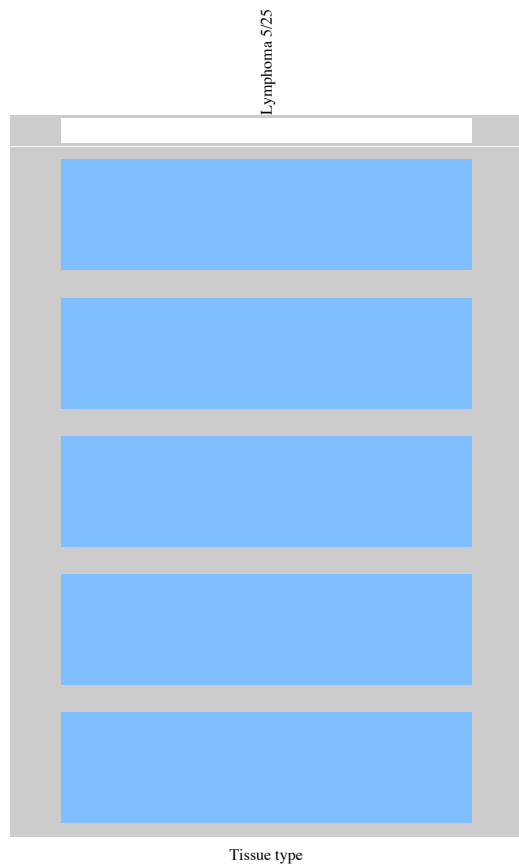
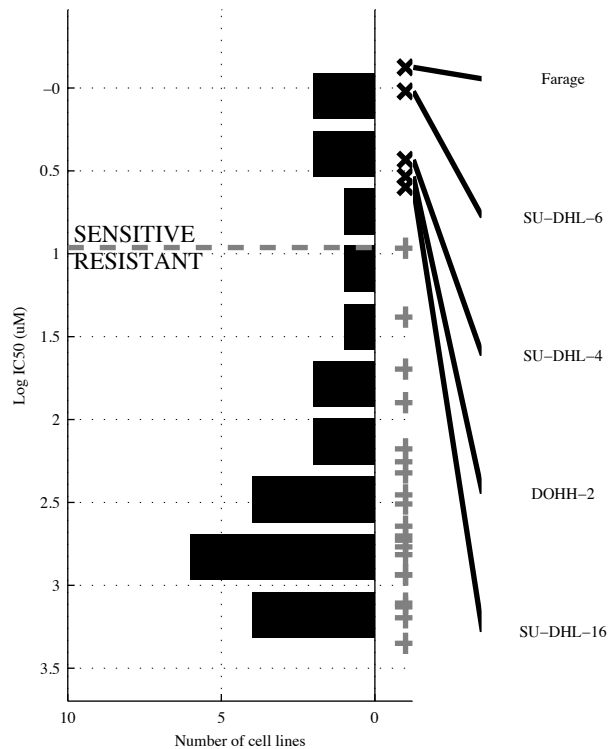
22 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	ARID1A	CREBBP & MAPK P	CREBBP & EP300 & d15q15	CREBBP & d15q15 & IL-1-down & MAPK o	ARID1A   ASXL2	[ CREBBP & MAPK P ]   [ -MLL2 & d16q23 ]	ARID1A   ASXL2   d16q23	ARID1A   ASXL2   d16q23
TP   FP Specificity	2   1 0.94	2   0 1	2   0 1	2   0 1	3   1 0.94	4   0 1	4   2 0.88	4   2 0.88
FN   TN Precision	4   15 0.67	4   16 1	4   16 1	4   16 1	3   15 0.75	2   16 1	2   14 0.67	2   14 0.67
Recall	0.33	0.33	0.33	0.33	0.5	0.67	0.67	0.67

DLBC  
 id: 38 name: AZD-0530  
 target: SRC, ABL1 class: ABL signaling

25 cell lines  
 5 sensitive

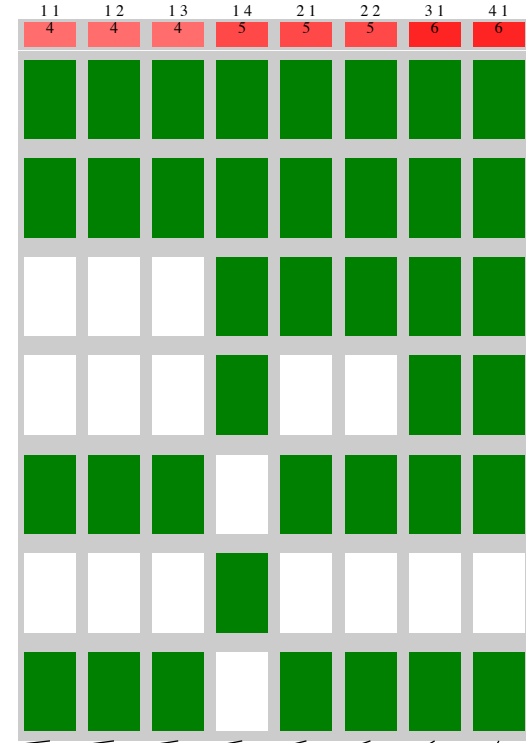
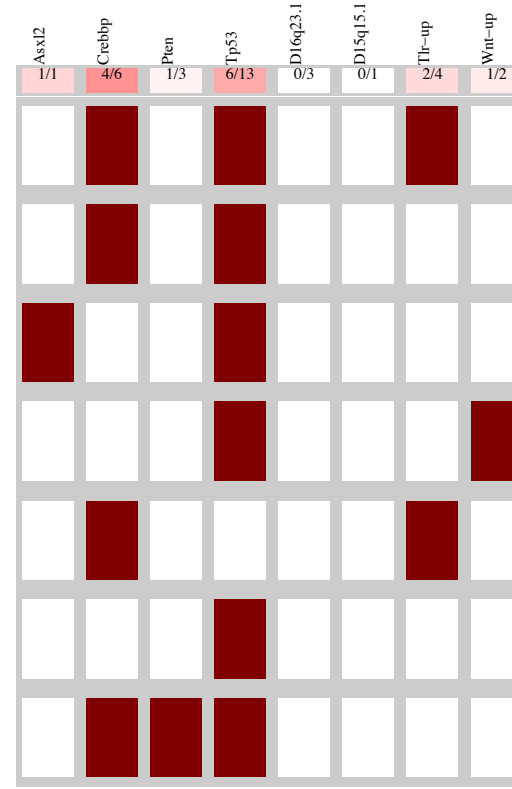
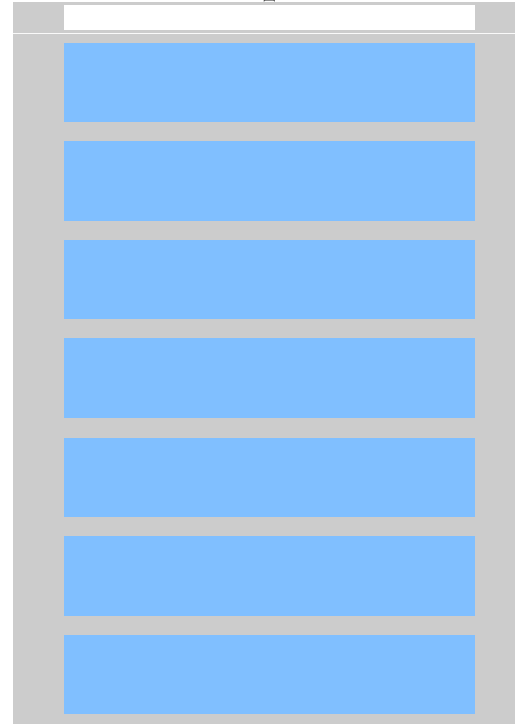
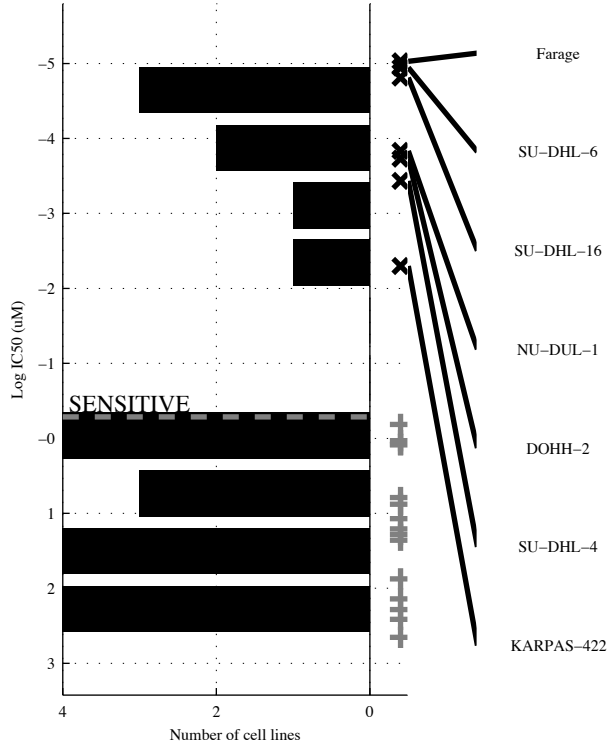


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>CREBBP</b>	<b>~ARID1 &amp; CREBBP</b>	<b>~ARID1 &amp; CREBBP &amp; ~PI3K o</b>	<b>~ARID1 &amp; CREBBP &amp; ~d15q15 &amp; ~PI3K o</b>	<b>ASXL2   CREBBP</b>	<b>[ CREBBP &amp; TLR-UP ]</b>   <b>[ EP300 &amp; MLL2 ]</b>	<b>ASXL2   CREBBP</b>	<b>ASXL2   CREBBP</b>
TP   FP	3   4	3   2	3   1	3   0	4   4	3   0	4   4	4   4
FN   TN	2   16	2   18	2   19	2   20	1   16	2   20	1   16	1   16
Specificity	0.8	0.9	0.95	1	0.8	1	0.8	0.8
Precision	0.43	0.6	0.75	1	0.5	1	0.5	0.5
Recall	0.6	0.6	0.6	0.6	0.8	0.6	0.8	0.8

DLBC  
 id: 51 name: Dasatinib  
 target: ABL, SRC, KIT, PDGFR class: ABL signaling

22 cell lines  
 7 sensitive

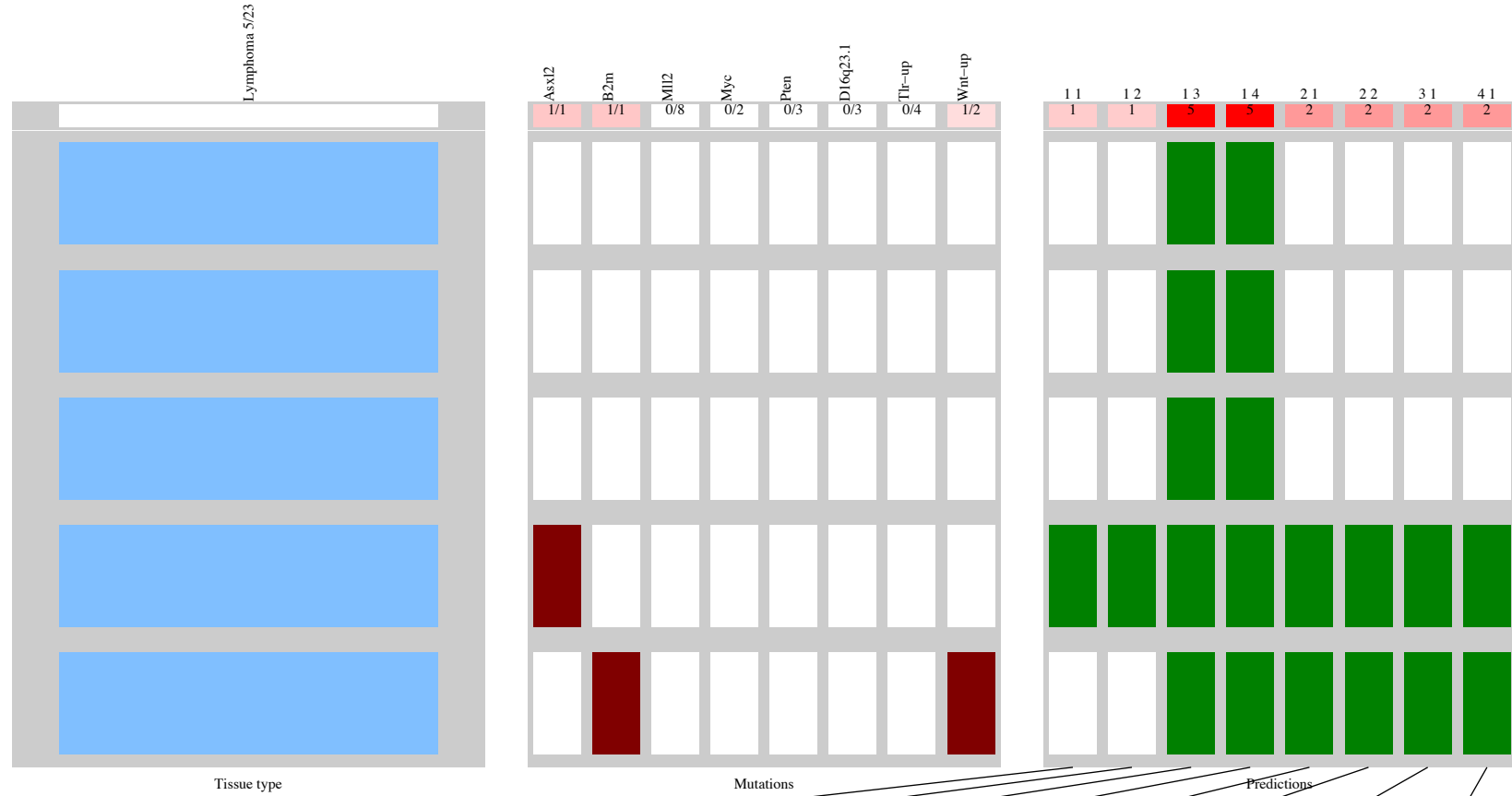
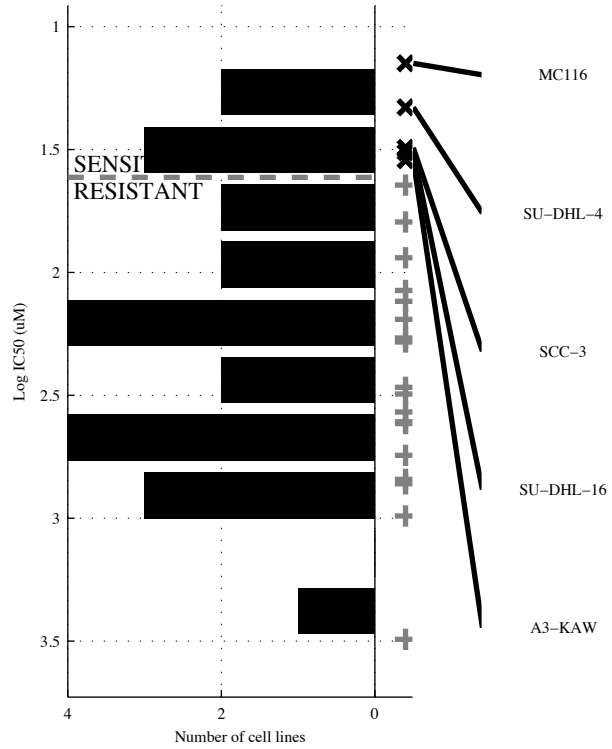
Lymphoma 7/22



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>CREBBP</b>	<b>CREBBP &amp; d15q15</b>	<b>CREBBP &amp; d15q15</b>	<b>-PTEN &amp; TP53 &amp; d16q23 &amp; d15q15</b>	<b>ASXL2   CREBBP</b>	<b>[ CREBBP &amp; d15q15 ]   [ ASXL2 &amp; TLR-UP ]</b>	<b>ASXL2   CREBBP   Wnt-UP</b>	<b>ASXL2   CREBBP   Wnt-UP  </b>
TP   FP Specificity	4   2 0.87	4   1 0.93	4   1 0.93	5   3 0.8	5   2 0.87	5   1 0.93	6   3 0.8	6   3 0.8
FN   TN Precision	3   13 0.67	3   14 0.8	3   14 0.8	2   12 0.63	2   13 0.71	2   14 0.83	1   12 0.67	1   12 0.67
Recall	0.57	0.57	0.57	0.71	0.71	0.71	0.86	0.86

DLBC  
 id: 52 name: GNF-2  
 target: ABL [T315I] class: ABL signaling

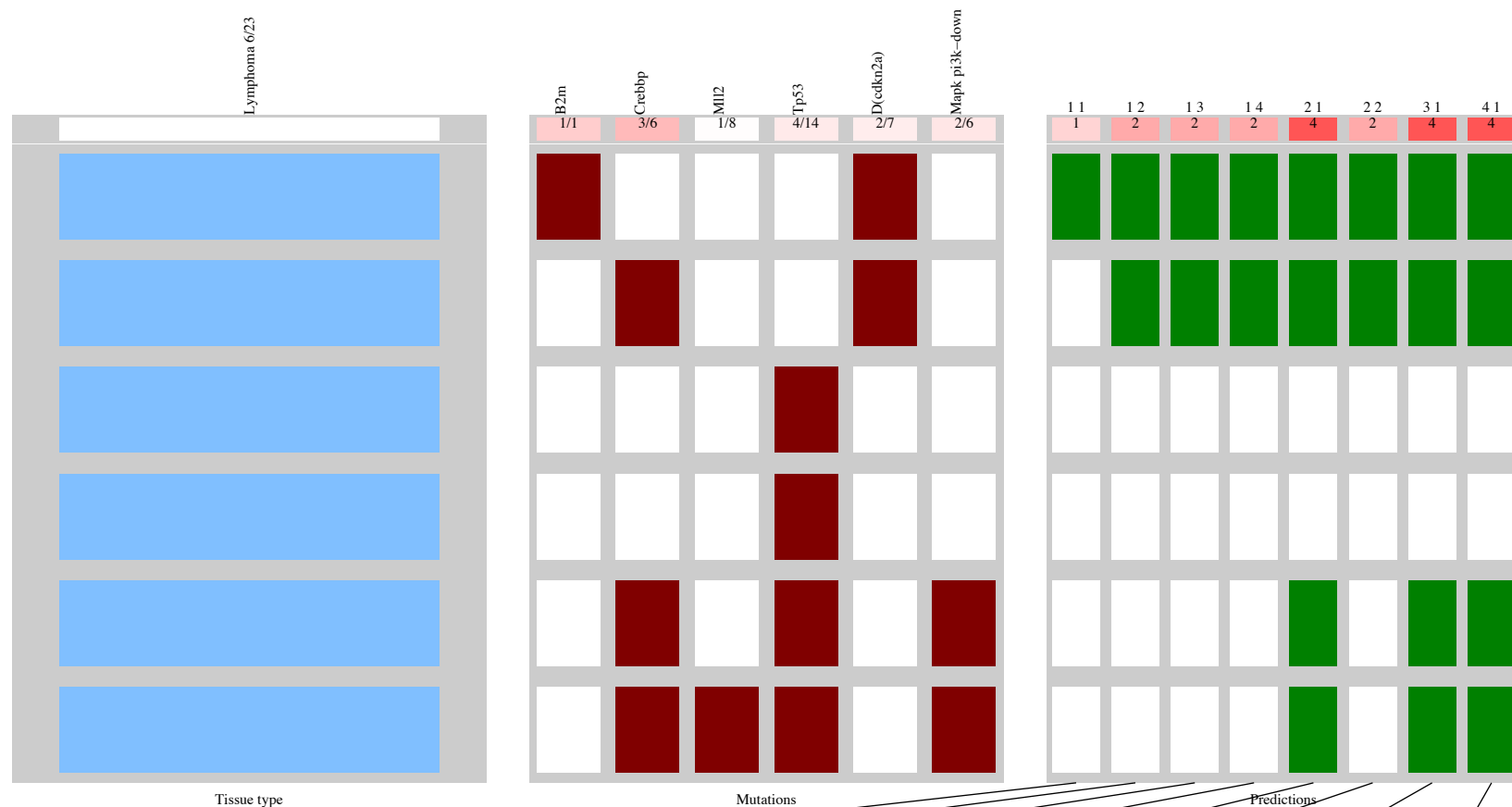
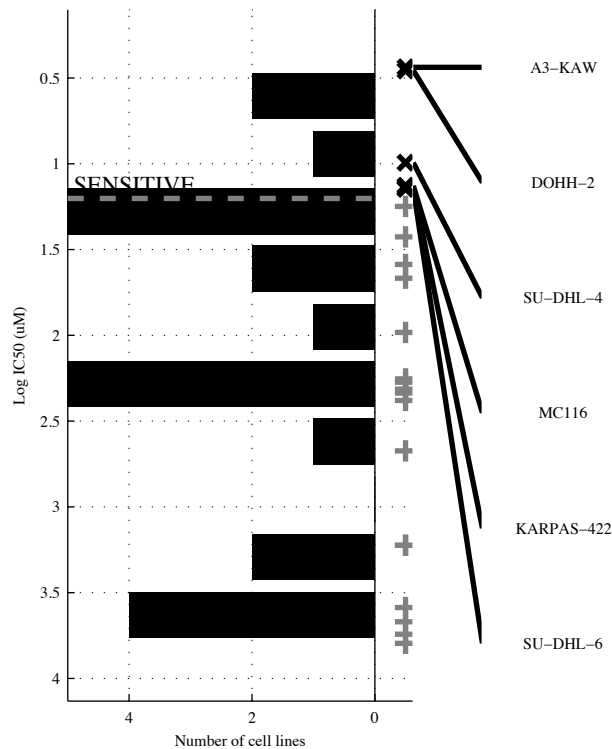
23 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>ASXL2</b>	<b>ASXL2 &amp;</b>	<b>~MLL2 &amp; ~PTEN &amp;</b> <b>~TLR-UP</b>	<b>~MLL2 &amp; ~PTEN &amp;</b> <b>~d16q23 &amp; TLR-UP</b>	<b>ASXL2   B2M</b>	<b>[ ASXL2 &amp; ~MLL2 ]</b> <b> </b> <b>[ ~MYC &amp; Wnt-UP ]</b>	<b>ASXL2   B2M  </b>	<b>ASXL2   B2M  </b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{4} \mid \frac{0}{18}$ 1 1 0.2	$\frac{1}{4} \mid \frac{0}{18}$ 1 1 0.2	$\frac{5}{0} \mid \frac{3}{15}$ 0.83 0.63 1	$\frac{5}{0} \mid \frac{1}{17}$ 0.94 0.83 1	$\frac{2}{3} \mid \frac{0}{18}$ 1 1 0.4	$\frac{2}{3} \mid \frac{0}{18}$ 1 1 0.4	$\frac{2}{3} \mid \frac{0}{18}$ 1 1 0.4	$\frac{2}{3} \mid \frac{0}{18}$ 1 1 0.4

DLBC  
 id: 54 name: CGP-082996  
 target: CDK4 class: cell cycle

23 cell lines  
 6 sensitive

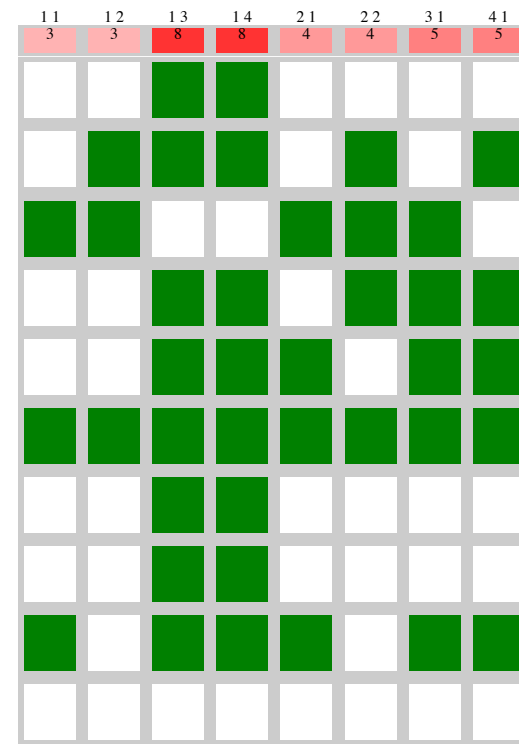
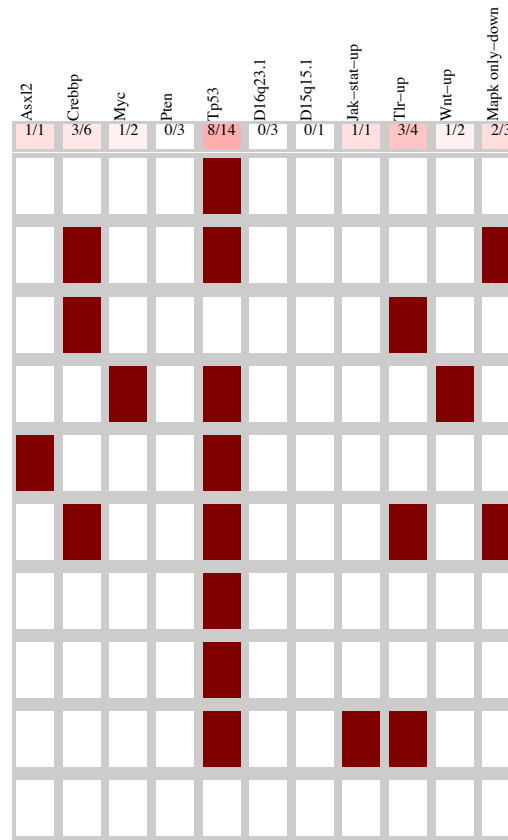
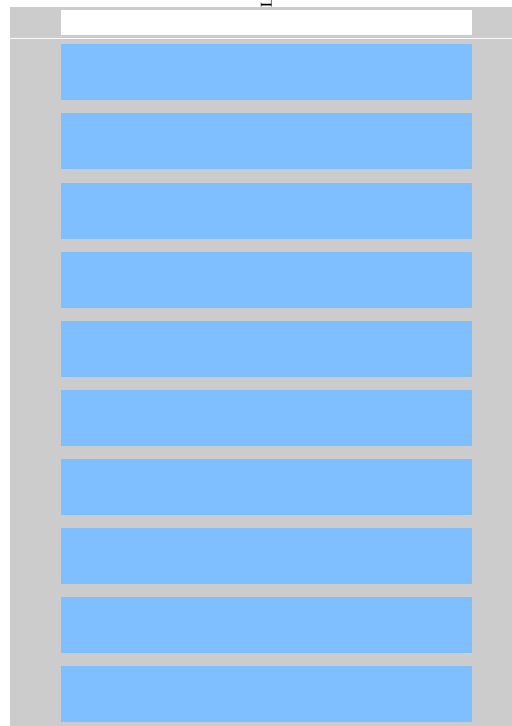
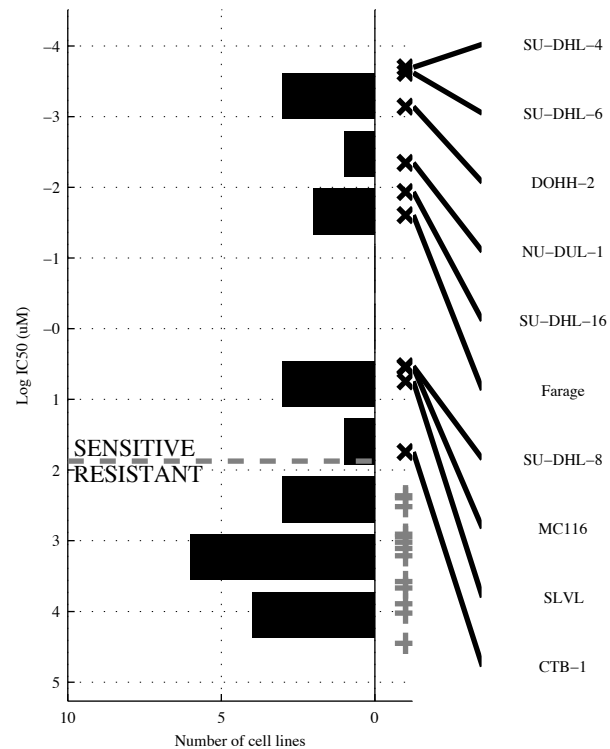


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>B2M</b>	<b>-MLL2 &amp; -TP53</b>	<b>-MLL2 &amp; -TP53 &amp; d(CDKN)</b>	<b>-MLL2 &amp; -TP53 &amp; d(CDKN &amp; MAPK P)</b>	<b>B2M   CREBBP</b>	<b>[ CREBBP &amp; MAPK P   B2M &amp; ]</b>	<b>B2M   CREBBP</b>	<b>B2M   CREBBP</b>
TP   FP Specificity	1   0 1	2   3 0.82	2   1 0.94	2   1 0.94	4   3 0.82	2   1 0.94	4   3 0.82	4   3 0.82
FN   TN Precision	5   17 0.17	4   14 0.4	4   16 0.67	4   16 0.67	2   14 0.57	4   16 0.67	2   14 0.57	2   14 0.57
Recall		0.33	0.33	0.33	0.67	0.33	0.67	0.67

DLBC  
 id: 55 name: A-770041  
 target: SRC family class: other

23 cell lines  
 10 sensitive

Lymphoma 10/23

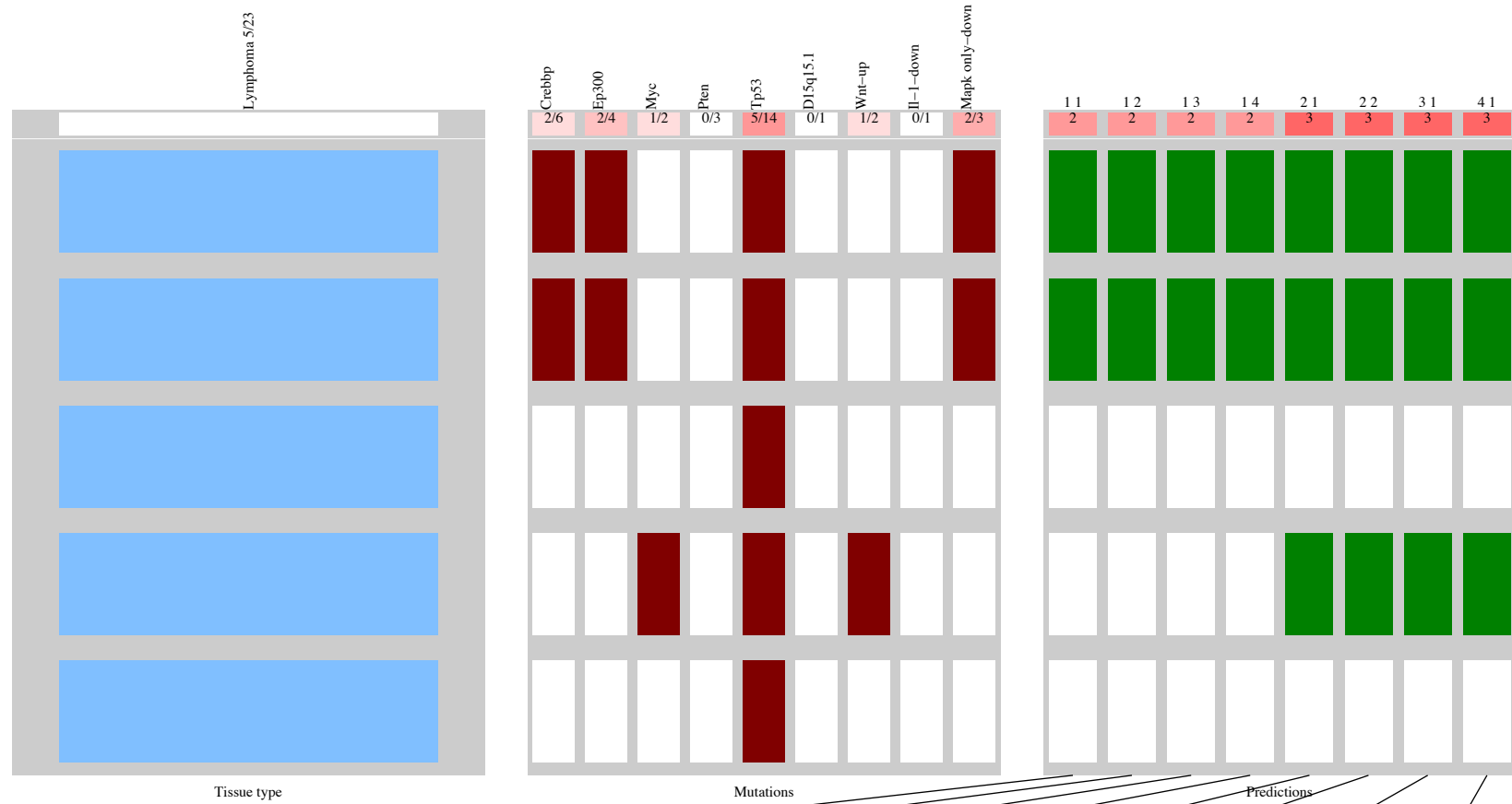
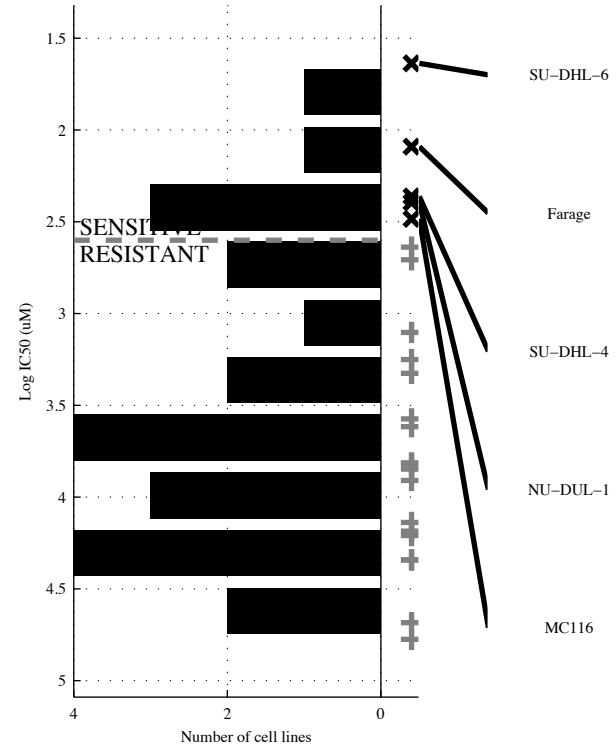


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>TLR-UP</b>	<b>CREBBP &amp; -d15q15</b>	<b>-PTEN &amp; TP53 &amp; -d16q23</b>	<b>-PTEN &amp; TP53 &amp; -d16q23 &amp; -d15q15</b>	<b>ASXL2   TLR-UP</b>	<b>[CREBBP &amp; -d15q15]   [MYC &amp; Wnt-UP]</b>	<b>ASXL2   MYC   TLR-UP</b>	<b>ASXL2   MYC   JAK-STIMAPK o</b>
TP   FP	3   1	3   2	8   2	8   1	4   1	4   2	5   2	5   2
Specificity	0.92	0.85	0.85	0.92	0.92	0.85	0.85	0.85
FN   TN	7   12	7   11	2   11	2   12	6   12	6   11	5   11	5   11
Precision	0.75	0.6	0.8	0.89	0.8	0.67	0.71	0.71
Recall	0.3	0.3	0.8	0.8	0.4	0.4	0.5	0.5



DLBC  
 id: 59 name: WZ-1-84  
 target: BMX class: other

23 cell lines  
 5 sensitive



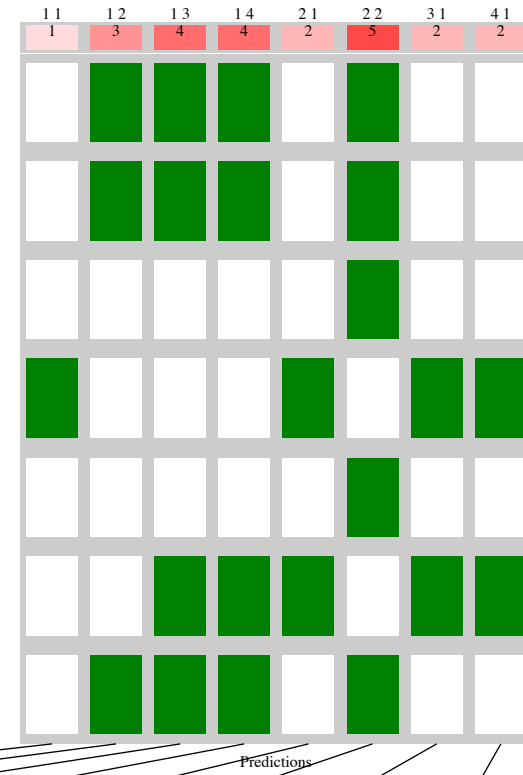
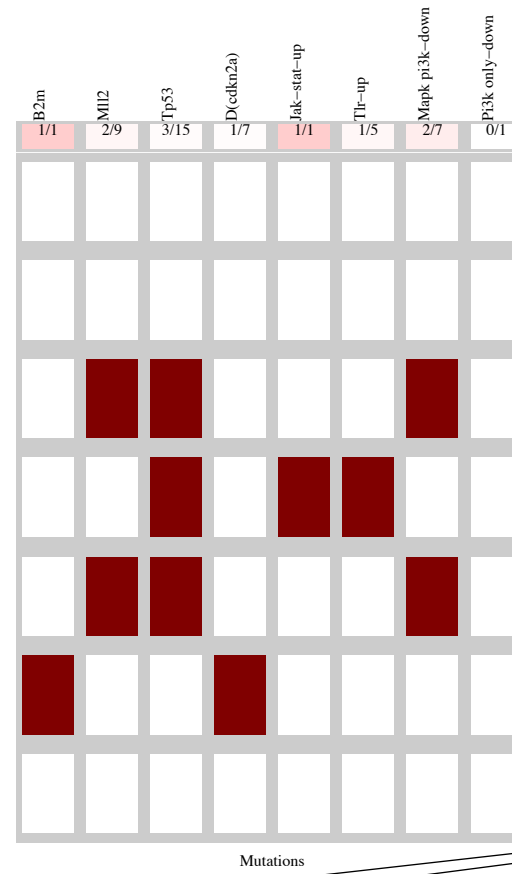
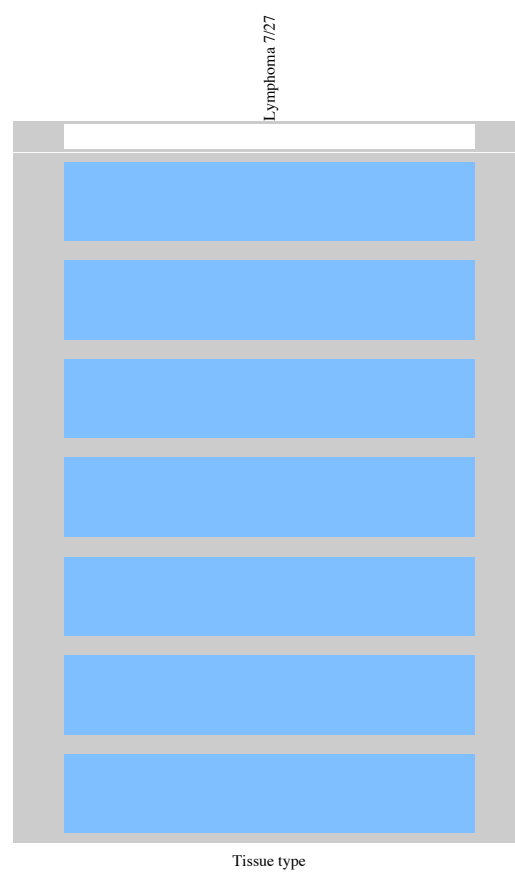
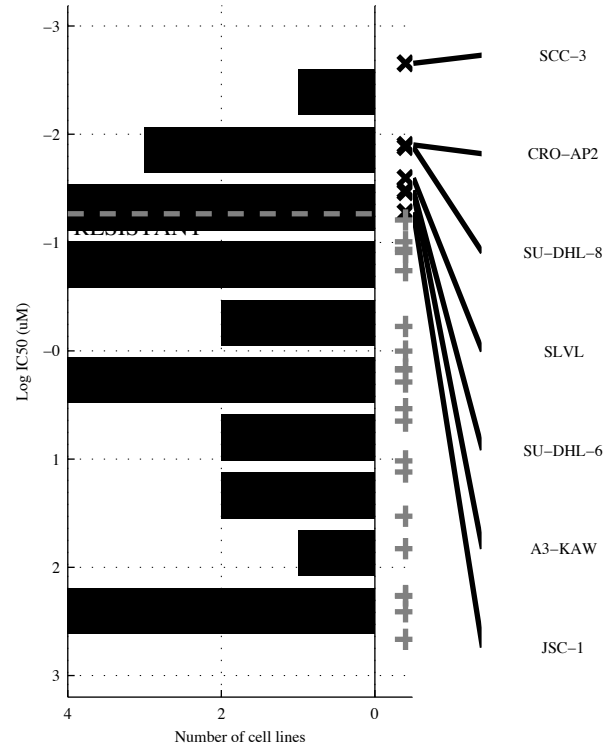
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>MAPK o</b>	<b>EP300 &amp; -PTEN</b>	<b>CREBBP &amp; MAPK o</b>	<b>CREBBP &amp; TP53 &amp; -d15q15 &amp; IL-1-D</b>	<b>Wnt-UP   MAPK o</b>	<b>[ EP300 &amp; -PTEN ]   [ MYC &amp; Wnt-UP ]</b>	<b>Wnt-UP   MAPK o  </b>	<b>Wnt-UP   MAPK o  </b>
TP   FP Specificity	2   1 0.94	2   0 1	2   0 1	2   0 1	3   2 0.89	3   0 1	3   2 0.89	3   2 0.89
FN   TN Precision	3   17 0.67	3   18 1	3   18 1	3   18 1	2   16 0.6	2   18 1	2   16 0.6	2   16 0.6
Recall	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6





DLBC  
 id: 88 name: MS-275  
 target: HDAC class: chromain histone acetylation

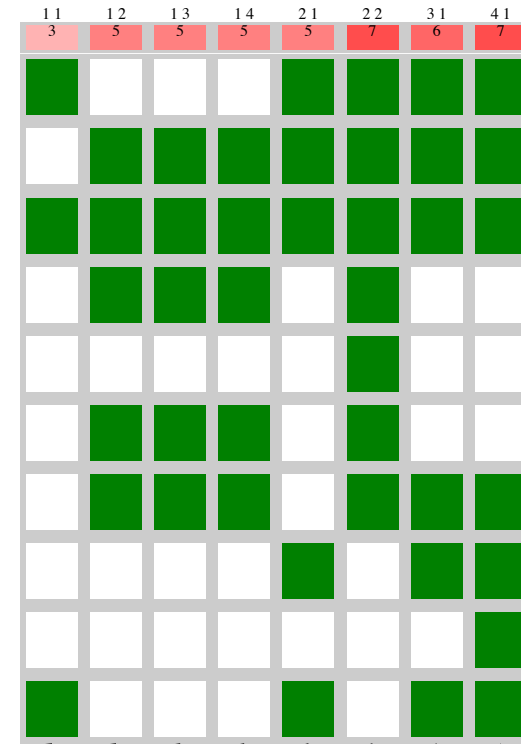
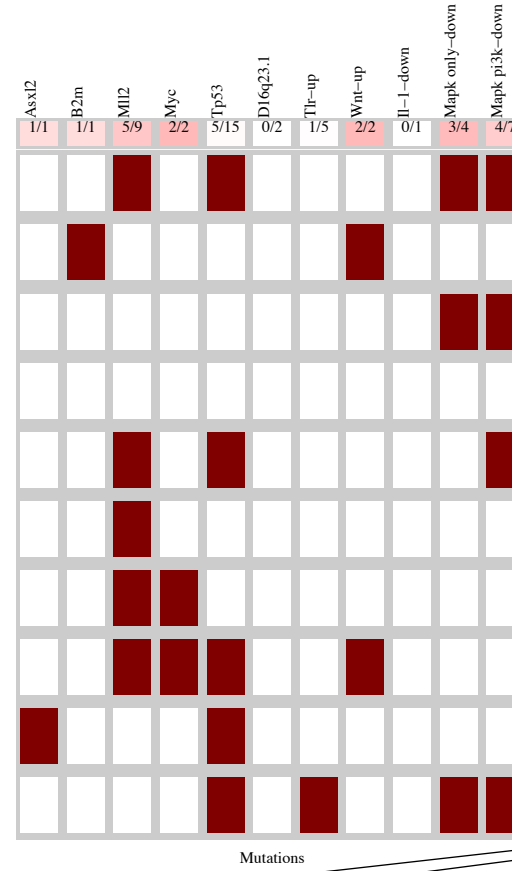
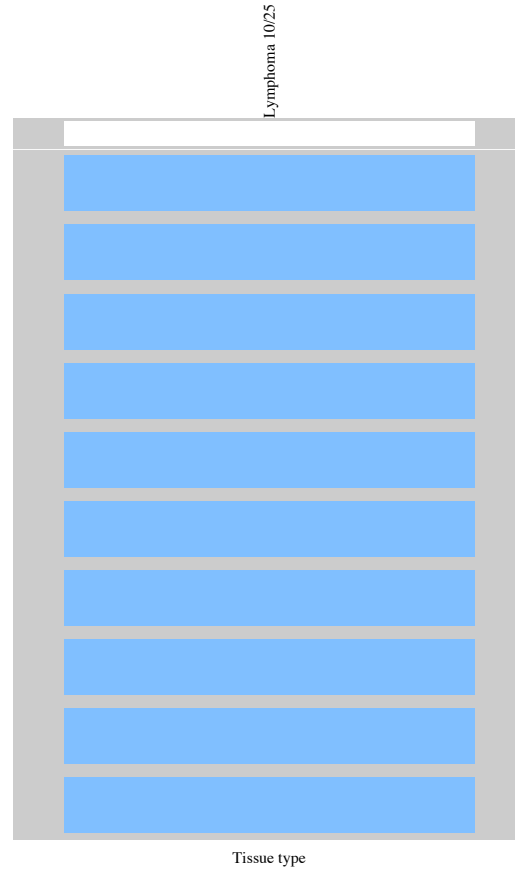
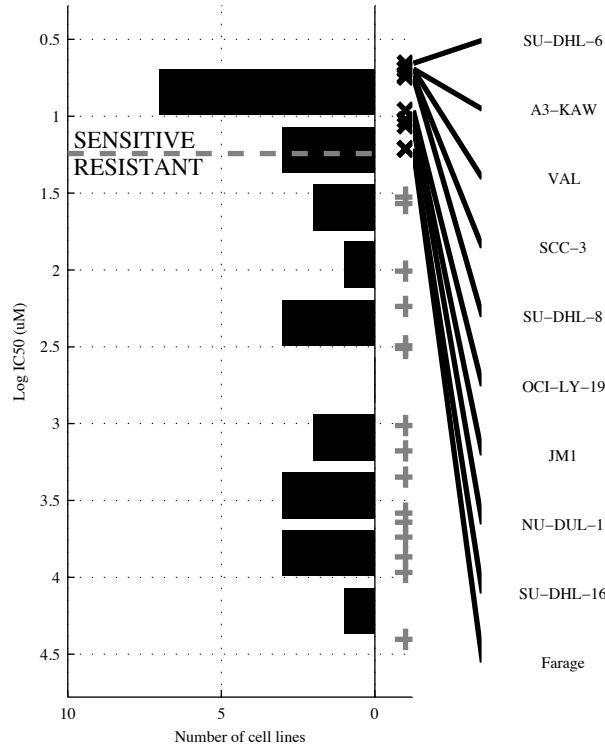
27 cell lines  
 7 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>JAK-ST</b>	<b>-TP53 &amp; d(CDKN</b>	<b>-MLL2 &amp; -TP53 &amp; -TLR-UP</b>	<b>-MLL2 &amp; -TP53 &amp; -TLR-UP &amp; -PI3K o</b>	<b>B2M   JAK-ST</b>	<b>[ -TP53 &amp; d(CDKN   [ MLL2 &amp; MAPK P ]</b>	<b>B2M   JAK-ST  </b>	<b>B2M   JAK-ST  </b>
TP   FP	1   0	3   3	4   1	4   0	2   0	5   4	2   0	2   0
Specificity	1	0.85	0.95	1	1	0.8	1	1
FN   TN	6   20	4   17	3   19	3   20	5   20	2   16	5   20	5   20
Precision	1	0.5	0.8	1	1	0.56	1	1
Recall	0.14	0.43	0.57	0.57	0.29	0.71	0.29	0.29

DLBC  
 id: 89 name: Parthenolide  
 target: NFKB1 class: other

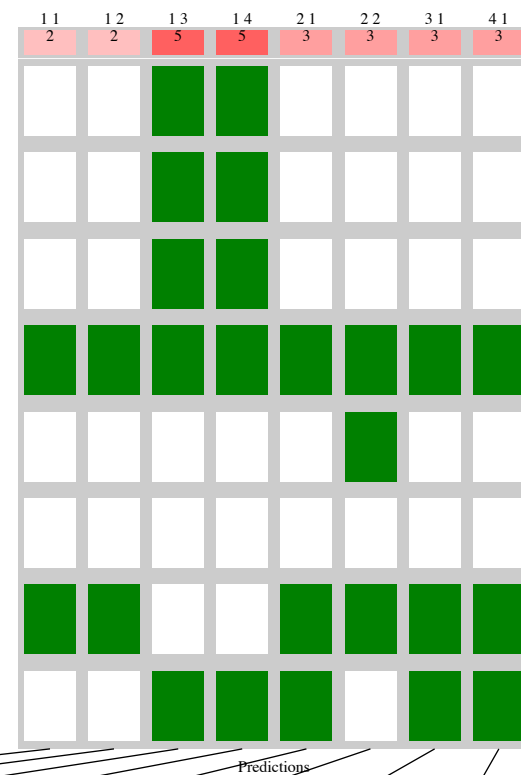
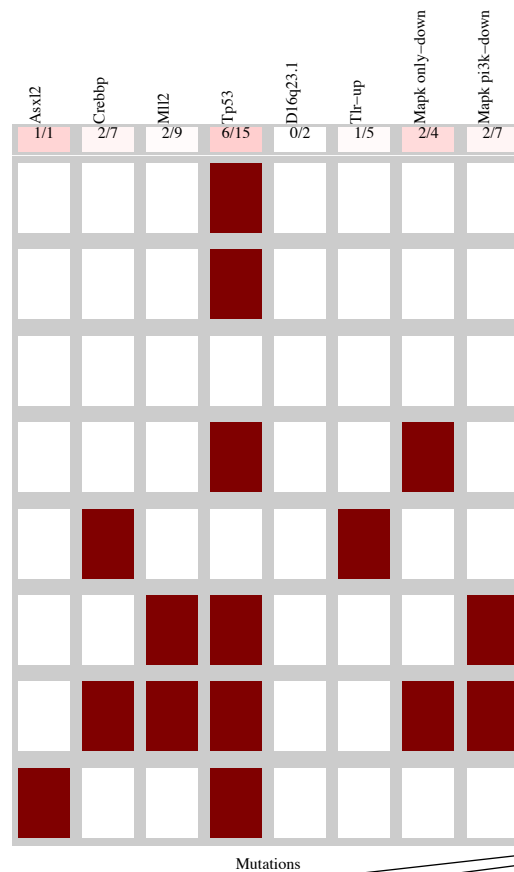
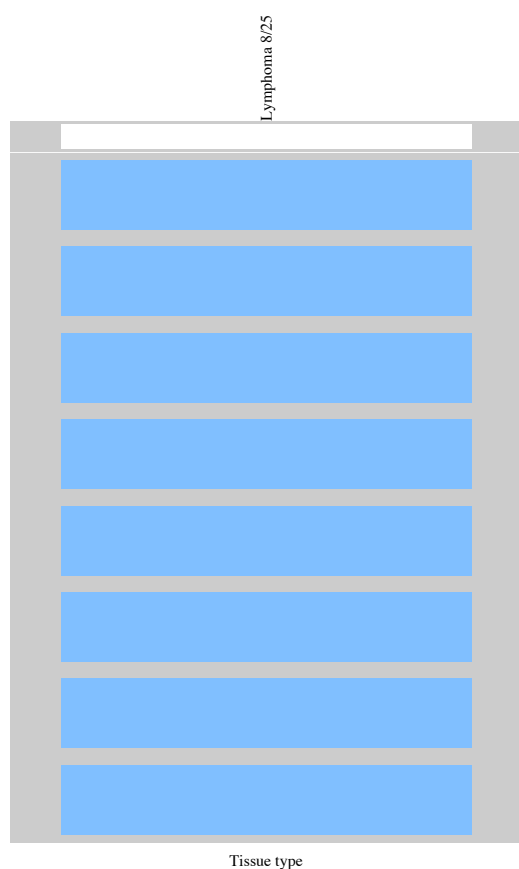
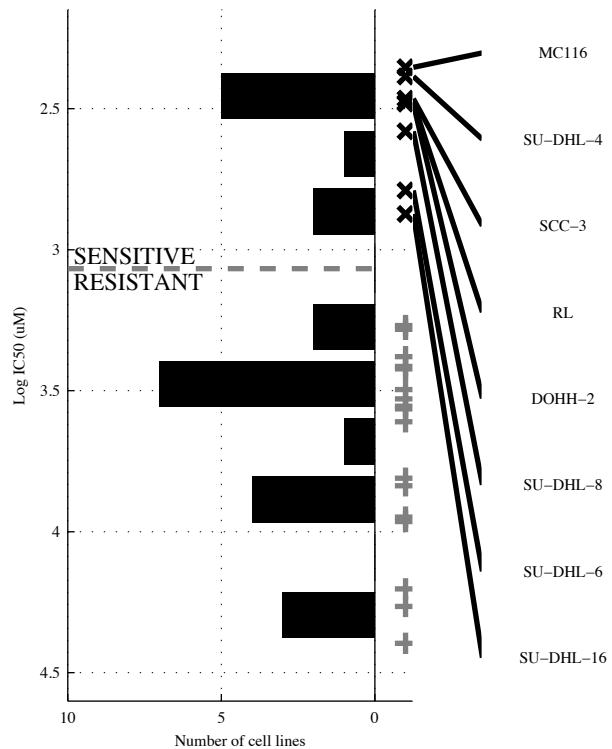
25 cell lines  
 10 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MAPK o</b>	<b>-TP53 &amp; TLR-UP</b>	<b>-TP53 &amp; -d16q23&amp;</b> <b>-TLR-UP</b>	<b>-TP53 &amp; -d16q23&amp;</b> <b>-TLR-UP &amp; -IL-1-D</b>	<b>Wnt-UP   MAPK o</b>	<b>[ -TP53 &amp; TLR-UP ]</b> <b> </b> <b>[ MLL2 &amp; MAPK P ]</b>	<b>MYC   Wnt-UP  </b> <b>MAPK o</b>	<b>ASXL2   B2M  </b> <b>MYC   MAPK o</b>
TP   FP	3   1	5   2	5   1	5   1	5   1	7   3	6   1	7   1
Specificity	0.93	0.87	0.93	0.93	0.93	0.8	0.93	0.93
FN   TN	7   14	5   13	5   14	5   14	5   14	3   12	4   14	3   14
Precision	0.75	0.71	0.83	0.83	0.83	0.7	0.86	0.88
Recall	0.3	0.5	0.5	0.5	0.5	0.7	0.6	0.7

DLBC  
 id: 91 name: KIN001-135  
 target: IKKE class: other

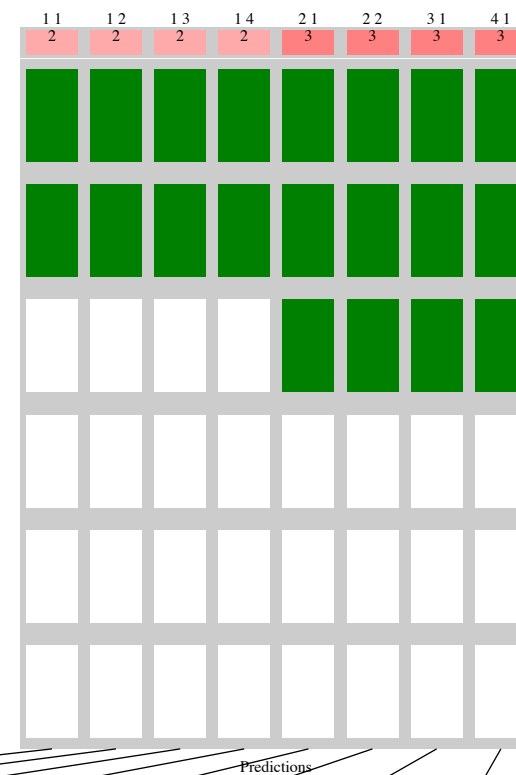
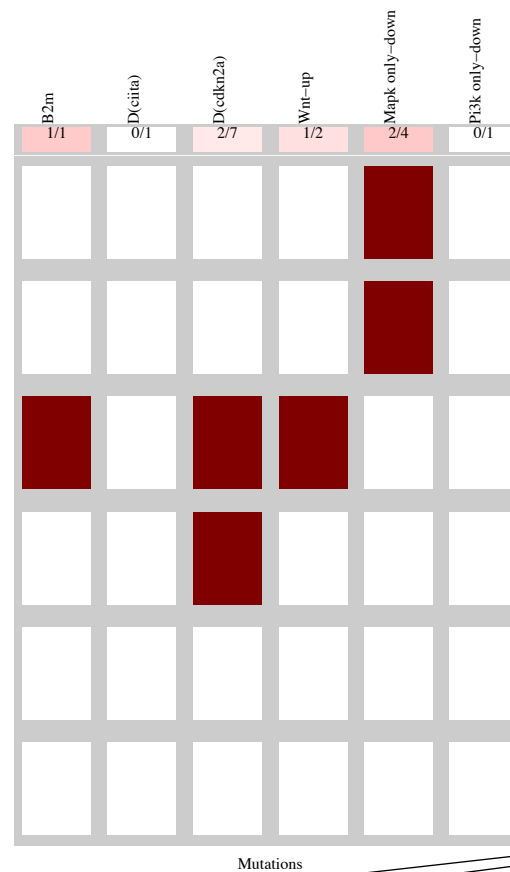
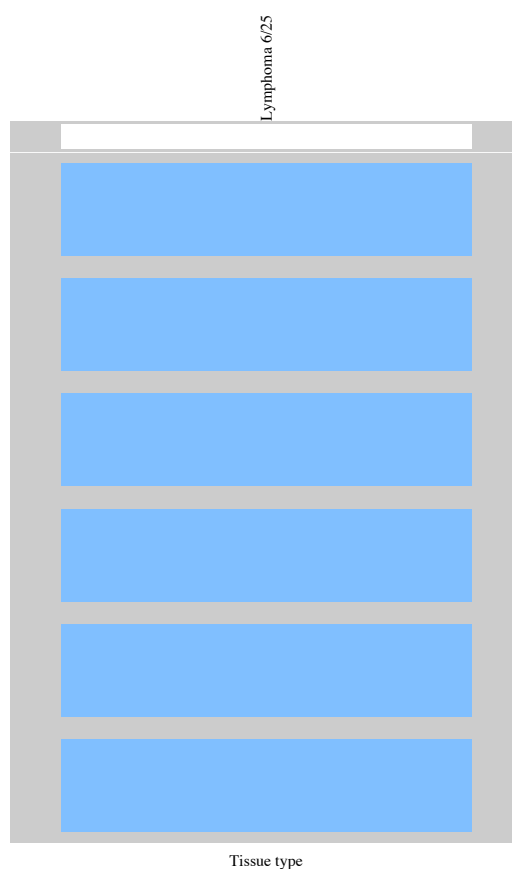
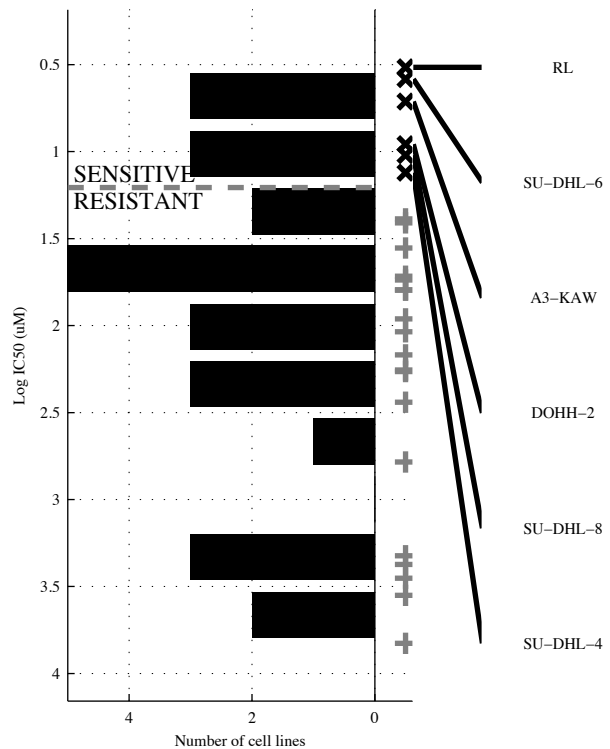
25 cell lines  
 8 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>MAPK o</b>		<b>-TLR-UP &amp; MAPK o</b>		<b>-CREBBP &amp; -MLL2 &amp; -TLR-UP</b>		<b>-MLL2 &amp; -d16q23 &amp; -TLR-UP &amp; MAPK P</b>		<b>ASXL2   MAPK o</b>		<b>[ TP53 &amp; MAPK o ]   [ CREBBP &amp; TLR-UP ]</b>		<b>ASXL2   MAPK o  </b>		<b>ASXL2   MAPK o  </b>	
TP   FP Specificity	2   2	0.88	2   1	0.94	5   3	0.82	5   2	0.88	3   2	0.88	3   1	0.94	3   2	0.88	3   2	0.88
FN   TN Precision	6   15	0.5	6   16	0.67	3   14	0.63	3   15	0.71	5   15	0.6	5   16	0.75	5   15	0.6	5   15	0.6
Recall		0.25		0.25		0.63		0.63		0.38		0.38		0.38		0.38

DLBC  
 id: 106 name: XMD8-85  
 target: MAP2K5 (ERK5) class: other

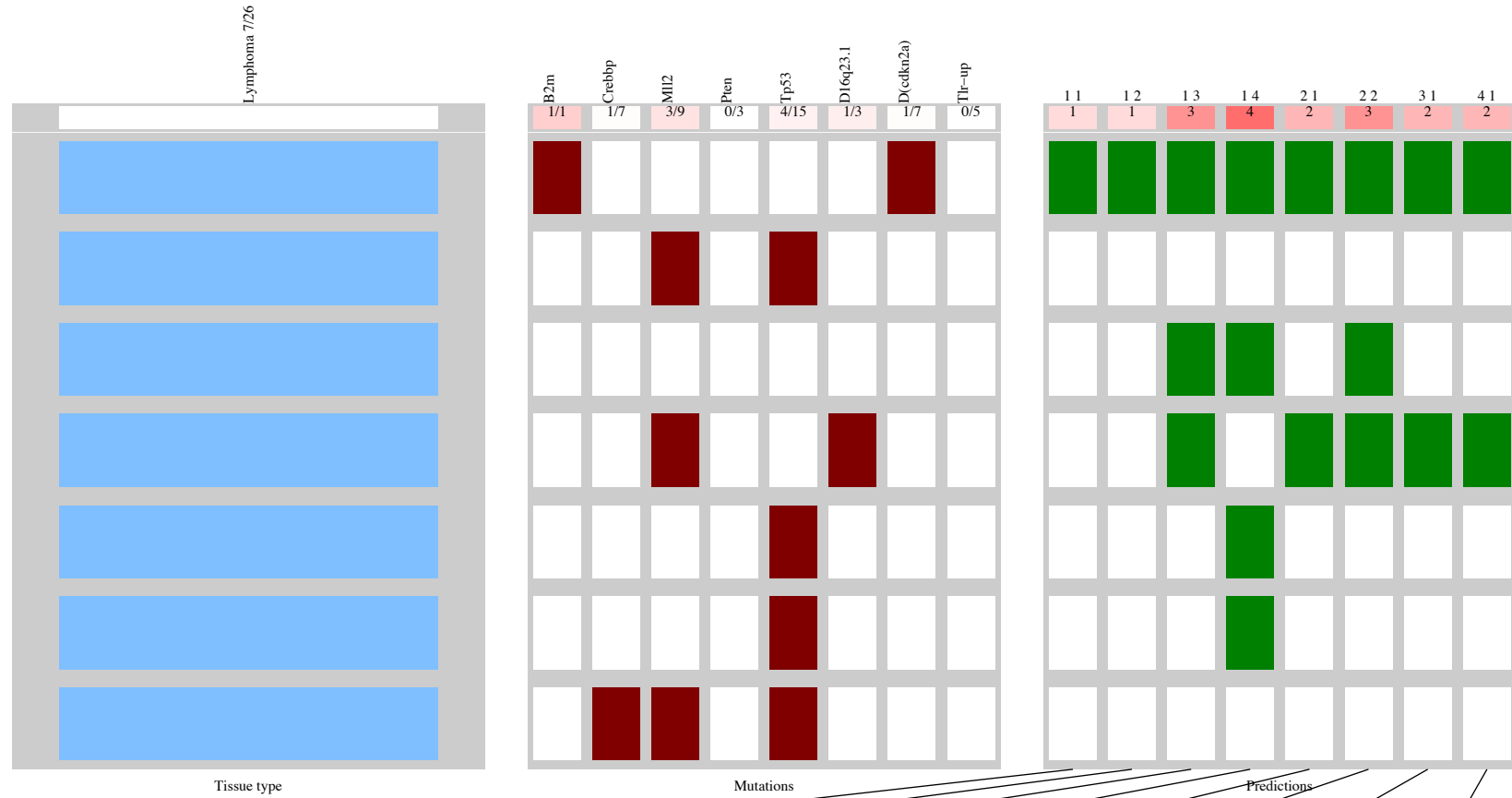
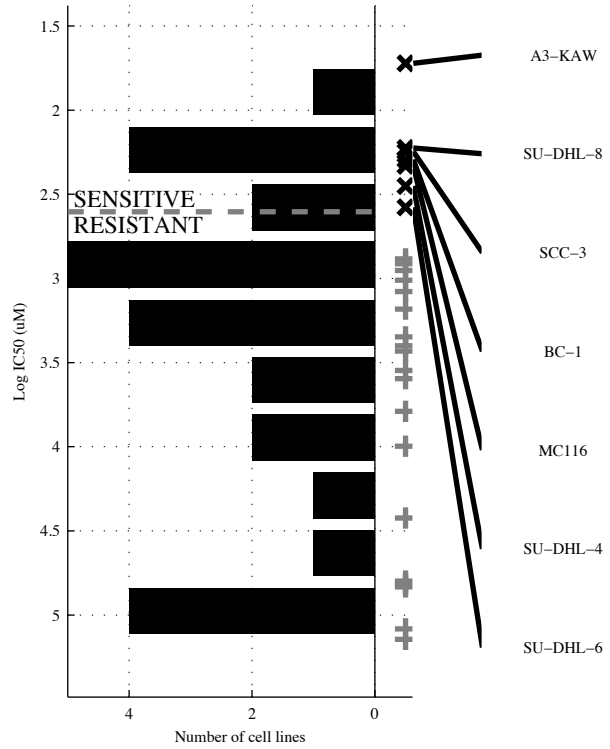
25 cell lines  
 6 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>MAPK o</b>		<b>-d(CIT&amp;MAPK o</b>		<b>-d(CIT&amp;MAPK o&amp;</b>		<b>-d(CIT&amp;MAPK o&amp;</b>		<b>B2M  MAPK o</b>		<b>[d(CDKN&amp;Wnt-UP]</b>   <b>[-d(CIT&amp;MAPK o]</b>		<b>B2M  MAPK o </b>		<b>B2M  MAPK o </b>	
TP   FP Specificity	2   2	0.89	2   1	0.95	2   0	1	2   0	1	3   2	0.89	3   1	0.95	3   2	0.89	3   2	0.89
FN   TN Precision	4   17	0.5	4   18	0.67	4   19	1	4   19	1	3   17	0.6	3   18	0.75	3   17	0.6	3   17	0.6
Recall	0.33		0.33		0.33		0.33		0.5		0.5		0.5		0.5	

DLBC  
 id: 110 name: Roscovitine  
 target: CDKs class: cell cycle

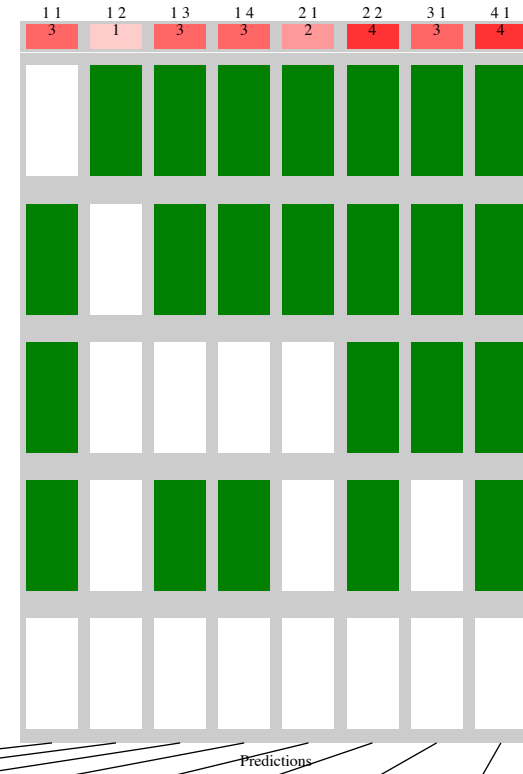
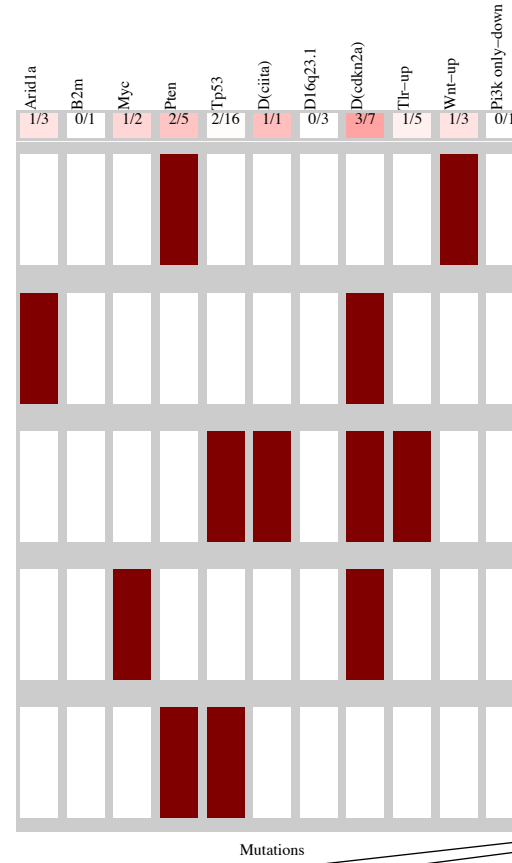
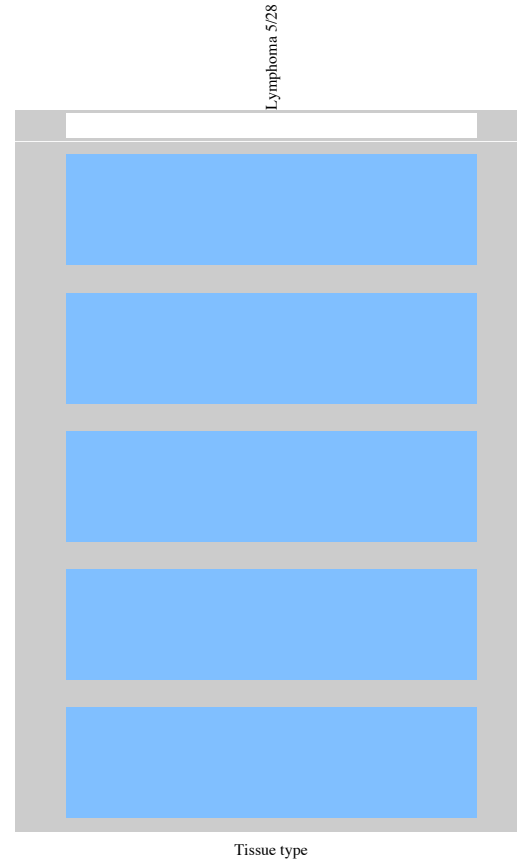
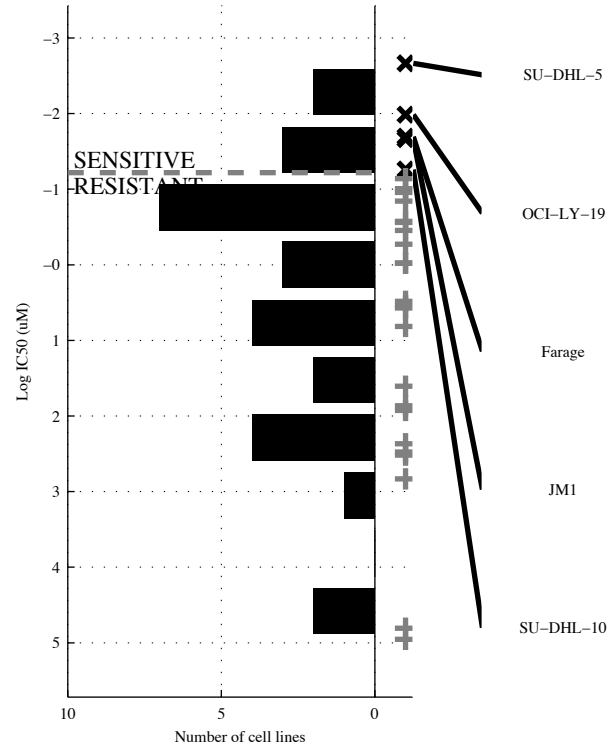
26 cell lines  
 7 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>B2M</b>	<b>B2M &amp;</b>	<b>-CREBBP &amp; -TP53 &amp;</b> <b>-TLR-UP</b>	<b>-CREBBP &amp; -MLL2 &amp;</b> <b>-PTEN &amp; TLR-UP</b>	<b>B2M   d16q23</b>	<b>[ B2M &amp; -TP53 ]</b> <b> </b> <b>[ -TP53 &amp; d(CDKN)</b>	<b>B2M   d16q23  </b>	<b>B2M   d16q23  </b> <b> </b>
TP   FP Specificity	1   0	1   0	3   3	4   3	2   2	3   3	2   2	2   2
FN   TN Precision	6   19	6   19	4   16	3   16	5   17	4   16	5   17	5   17
Recall	0.14	0.14	0.84	0.84	0.89	0.84	0.89	0.89
			0.5	0.57	0.5	0.5	0.5	0.5
			0.43	0.57	0.29	0.43	0.29	0.29

DLBC  
 id: 134 name: Etoposide  
 target: TOP2 class: DNA replication

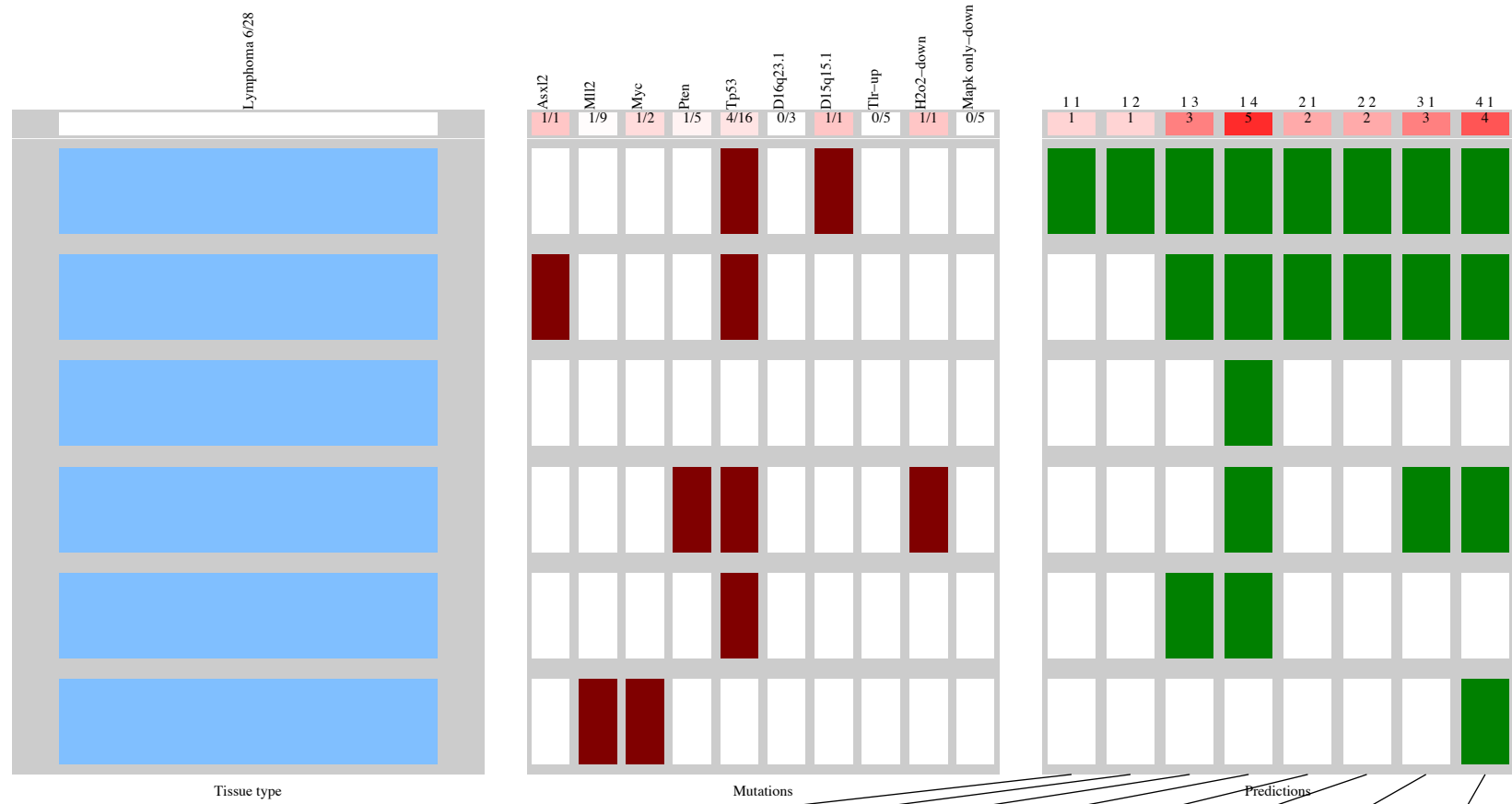
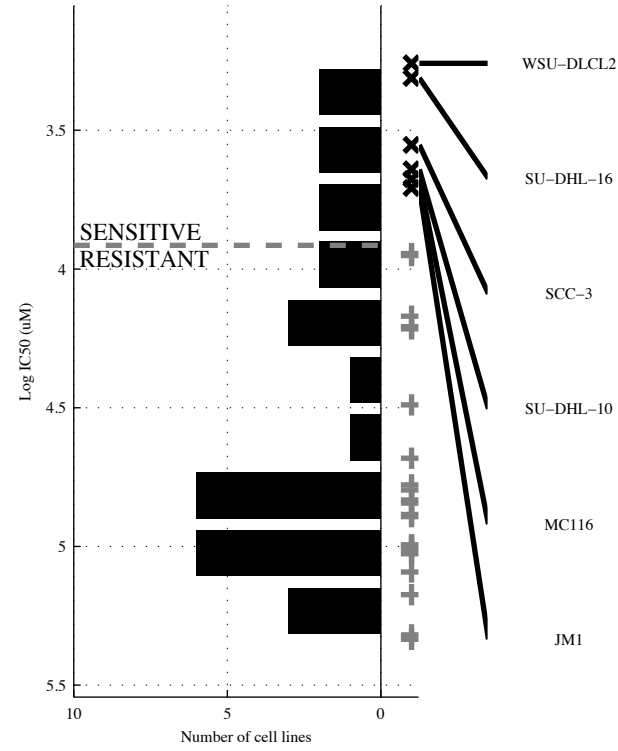
28 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d(CDKN)</b>	<b>PTEN &amp; -TP53</b>	<b>-TP53 &amp; -d16q23&amp;</b> <b>-TLR-UP</b>	<b>-TP53 &amp; -d16q23&amp;</b> <b>-TLR-UP &amp; -PI3K o</b>	<b>ARID1A   Wnt-UP</b>	<b>[ PTEN &amp; -TP53 ]</b> <b> </b> <b>[ -B2M &amp; d(CDKN) ]</b>	<b>ARID1A   d(CIT  </b> <b>Wnt-UP</b>	<b>ARID1A   MYC  </b> <b>d(CIT   Wnt-UP</b>
TP   FP	3   4	1   0	3   4	3   3	2   4	4   3	3   4	4   4
Specificity	0.83	1	0.83	0.87	0.83	0.87	0.83	0.83
FN   TN	2   19	4   23	2   19	2   20	3   19	1   20	2   19	1   19
Precision	0.43	1	0.43	0.5	0.33	0.57	0.43	0.5
Recall	0.6	0.2	0.6	0.6	0.4	0.8	0.6	0.8

DLBC  
 id: 147 name: NSC-87877  
 target: PTPN6 (SHP-1), PTPN11 (SHP-2) class: other

28 cell lines  
 6 sensitive

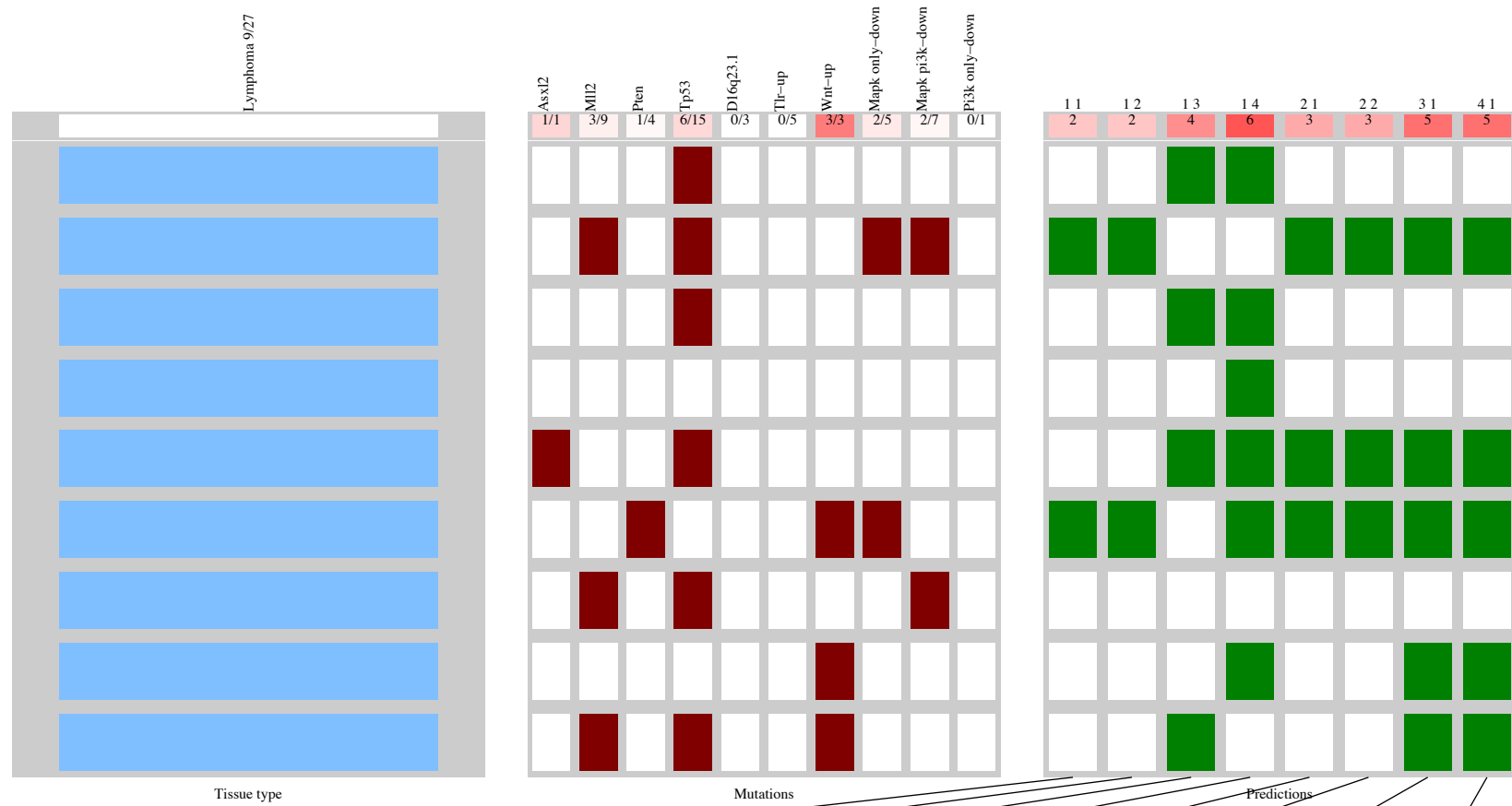
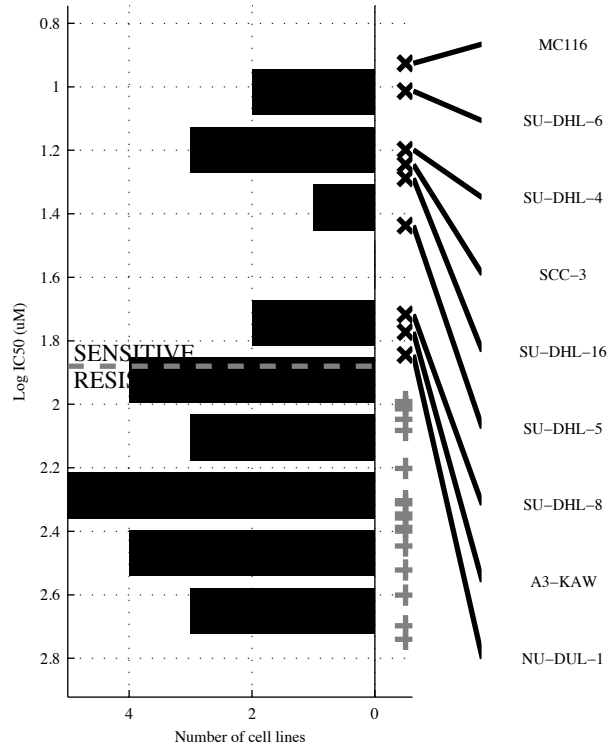


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d15q15</b>	<b>d15q15 &amp;</b>	<b>~MLL2 &amp; ~PTEN &amp;</b> <b>TP53</b>	<b>~MLL2 &amp; ~d16q23 &amp;</b> <b>~TLR-U &amp; MAPK o</b>	<b>ASXL2   d15q15</b>	<b>[ d15q15 &amp; ]</b> <b> </b> <b>[ ASXL2 &amp; MAPK d ]</b>	<b>ASXL2   d15q15  </b> <b>H2O2-D</b>	<b>ASXL2   MYC  </b> <b>d15q15   H2O2-D</b>
TP   FP	1   0	1   0	3   4	5   4	2   0	2   0	3   0	4   1
Specificity	1	1	0.82	0.82	1	1	1	0.95
FN   TN	5   22	5   22	3   18	1   18	4   22	4   22	3   22	2   21
Precision	1	1	0.43	0.56	1	1	1	0.8
Recall	0.17	0.17	0.5	0.83	0.33	0.33	0.5	0.67



DLBC  
 id: 150 name: Bicalutamide  
 target: ANDR (androgen receptor) class: other

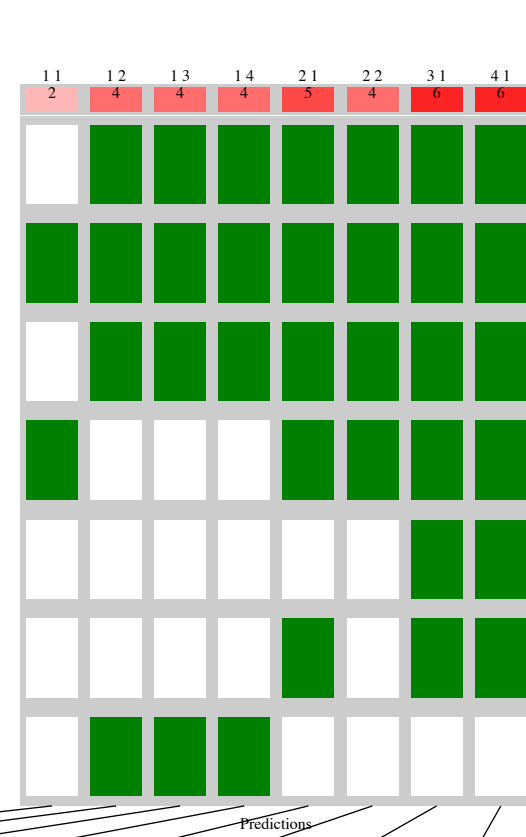
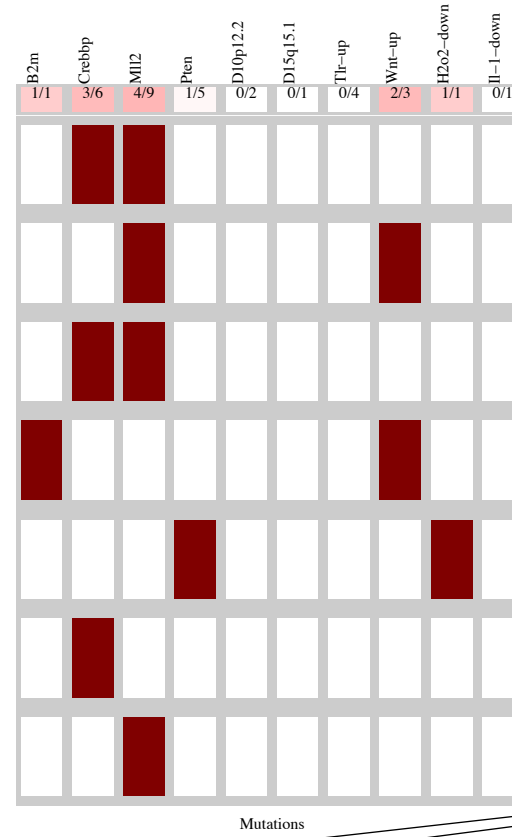
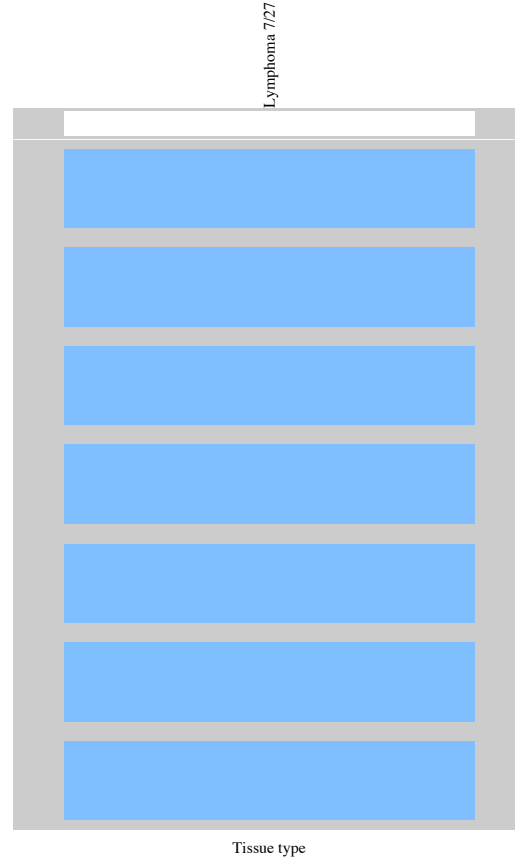
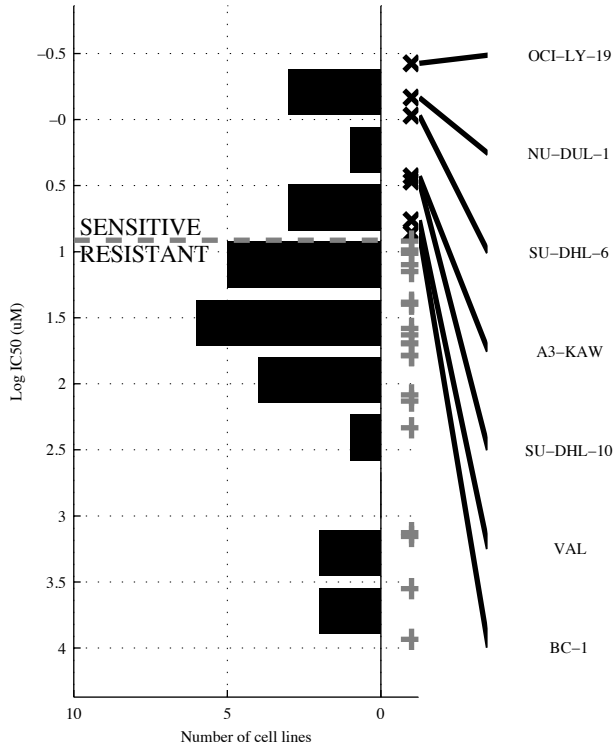
27 cell lines  
 9 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	M															
Logic formula	<b>MAPK o</b>		<b>MAPK o &amp; !PI3K o</b>		<b>!PTEN &amp; TP53 &amp; !MAPK P</b>		<b>!MLL2 &amp; !d16q23 &amp; !TLR-up &amp; MAPK P</b>		<b>ASXL2   MAPK o</b>		<b>[ ASXL2 &amp;   ]   [ MAPK o &amp; !PI3K o ]</b>		<b>ASXL2   Wnt-up   MAPK o</b>		<b>ASXL2   Wnt-up   MAPK o  </b>	
TP   FP Specificity	2   3 0.83		2   2 0.89		4   3 0.83		6   2 0.89		3   3 0.83		3   2 0.89		5   3 0.83		5   3 0.83	
FN   TN Precision	7   15 0.4		7   16 0.5		5   15 0.57		3   16 0.75		6   15 0.5		6   16 0.6		4   15 0.63		4   15 0.63	
Recall	0.22		0.22		0.44		0.67		0.33		0.33		0.56		0.56	

DLBC  
 id: 152 name: CP466722  
 target: ATM class: Genome integrity

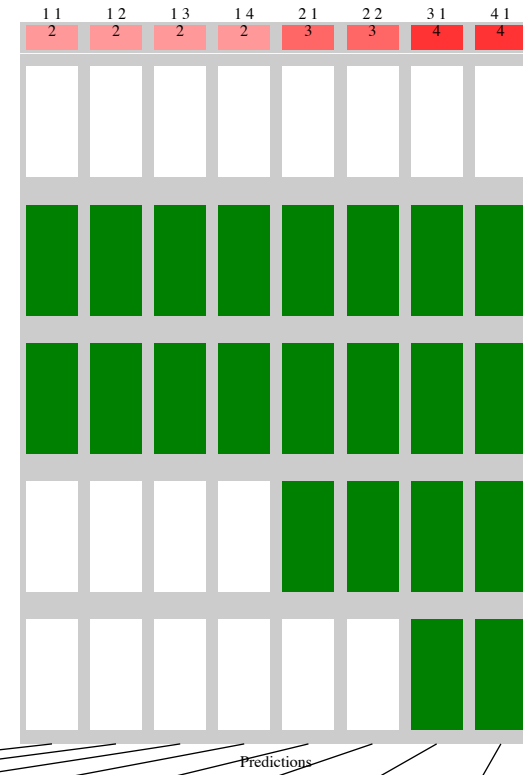
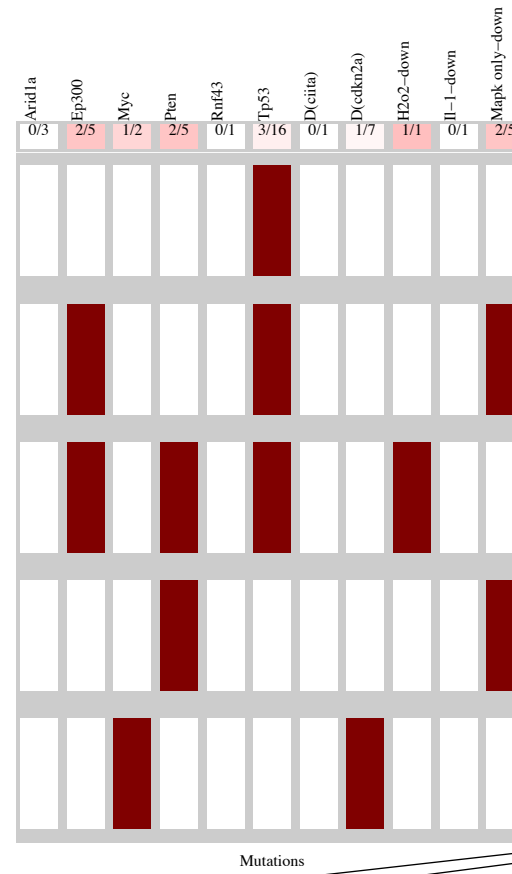
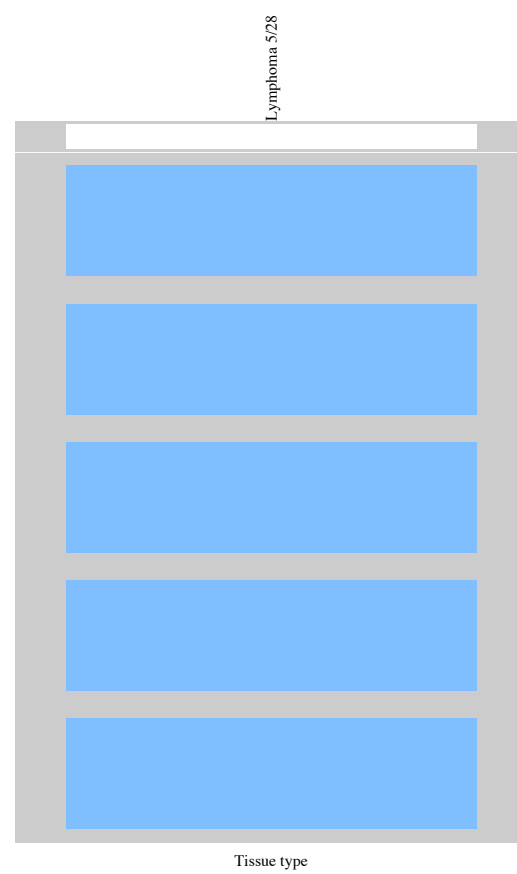
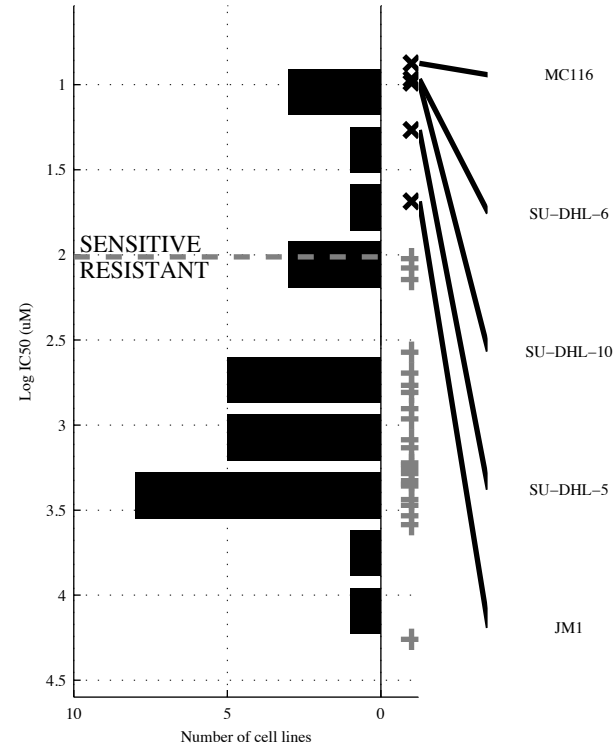
27 cell lines  
 7 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>Wnt-UP</b>	<b>MLL2 &amp; ~d10p12</b>	<b>MLL2 &amp; ~d10p12 &amp; ~TLR-UP</b>	<b>MLL2 &amp; ~d10p12 &amp; ~d15q15 &amp; ~IL-1-D</b>	<b>CREBBP   Wnt-UP</b>	<b>[ CREBBP &amp; MLL2 ]   [ ~PTEN &amp; Wnt-UP ]</b>	<b>CREBBP   Wnt-UP   H2O2-D</b>	<b>B2M   CREBBP   Wnt-UP   H2O2-D</b>
TP   FP	2   1	4   4	4   4	4   4	5   4	4   0	6   4	6   4
Specificity	0.95	0.8	0.8	0.8	0.8	1	0.8	0.8
FN   TN	5   19	3   16	3   16	3   16	2   16	3   20	1   16	1   16
Precision	0.67	0.5	0.5	0.5	0.56	1	0.6	0.6
Recall	0.29	0.57	0.57	0.57	0.71	0.57	0.86	0.86

DLBC  
 id: 154 name: CHIR-99021  
 target: GSK3B class: WNT signaling

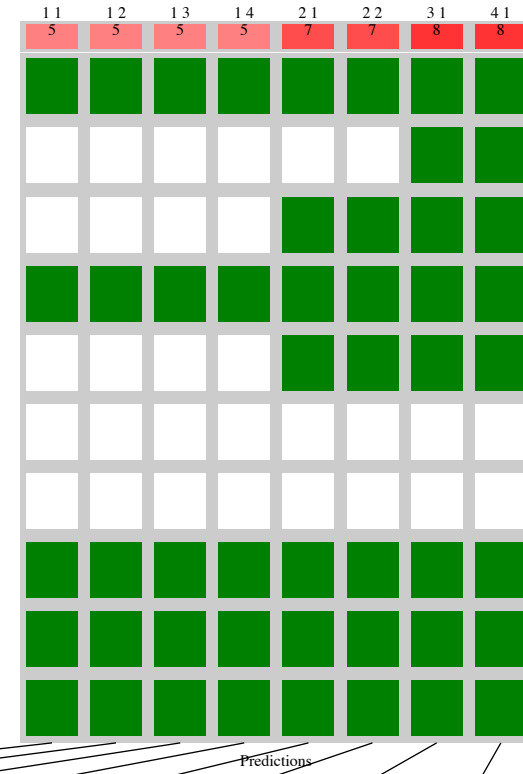
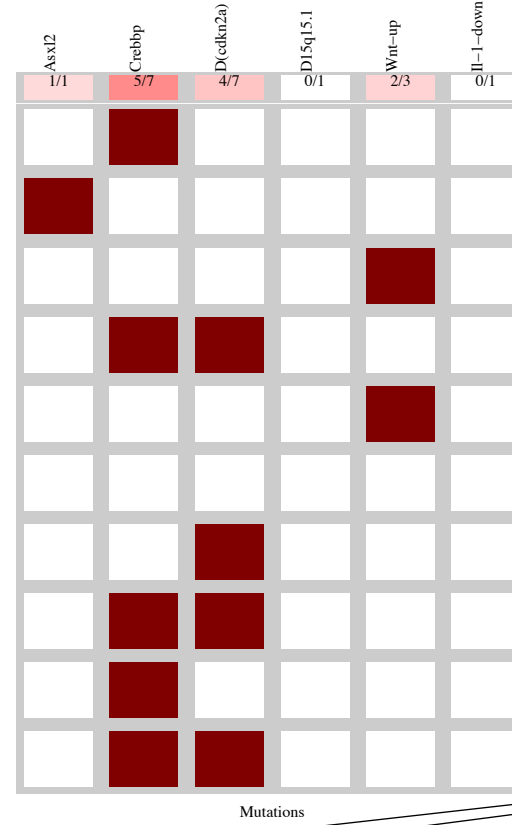
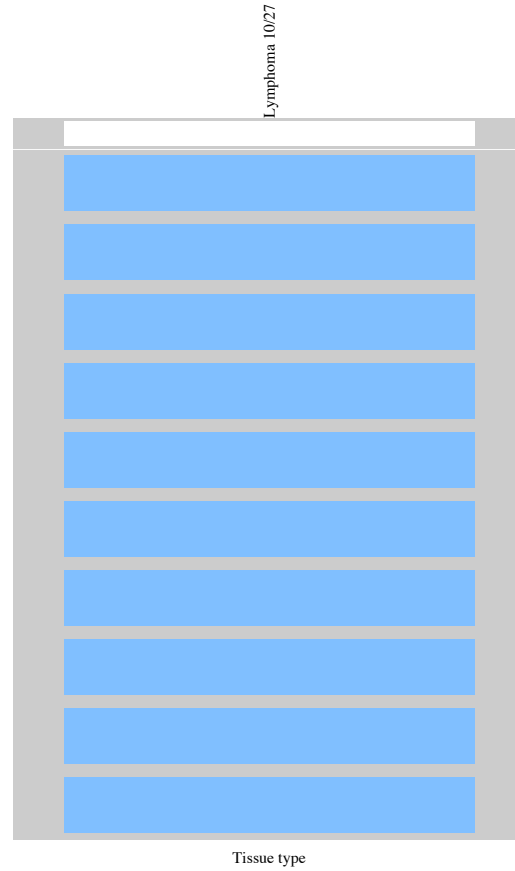
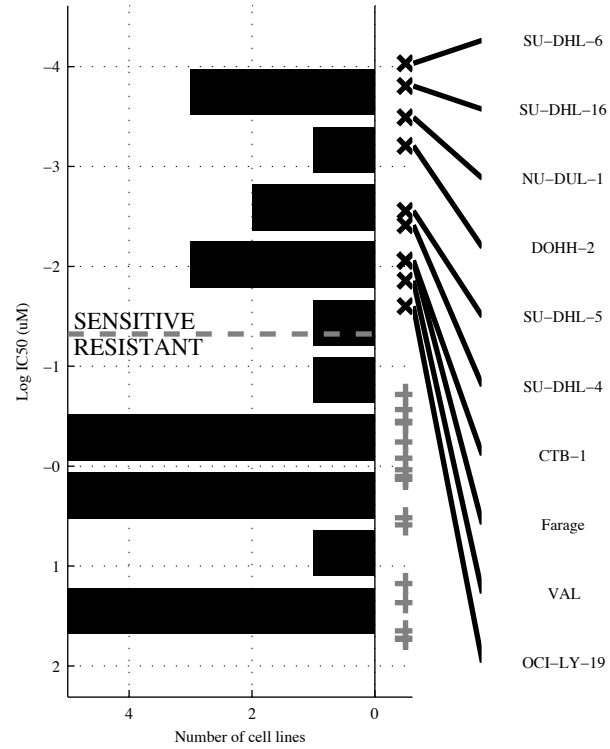
28 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>EP300</b>	<b>-ARID1&amp; EP300</b>	<b>EP300 &amp;d(CDK&amp;</b> <b>-IL-1-D</b>	<b>EP300 &amp;-RNF43&amp;</b> <b>-d(CIT&amp;-IL-1-D</b>	<b>H2O2-D MAPK o</b>	<b>[ EP300 &amp;-IL-1-D]</b> <b> </b> <b>[ PTEN &amp; -TP53 ]</b>	<b>MYC  H2O2-D </b> <b>MAPK o</b>	<b>MYC  H2O2-D </b> <b>MAPK ol</b>
TP   FP Specificity	2   3 0.87	2   2 0.91	2   1 0.96	2   1 0.96	3   3 0.87	3   2 0.91	4   4 0.83	4   4 0.83
FN   TN Precision	3   20 0.4	3   21 0.5	3   22 0.67	3   22 0.67	2   20 0.5	2   21 0.6	1   19 0.5	1   19 0.5
Recall	0.4	0.4	0.4	0.4	0.6	0.6	0.8	0.8

DLBC  
 id: 155 name: AP-24534  
 target: ABL class: ABL signaling

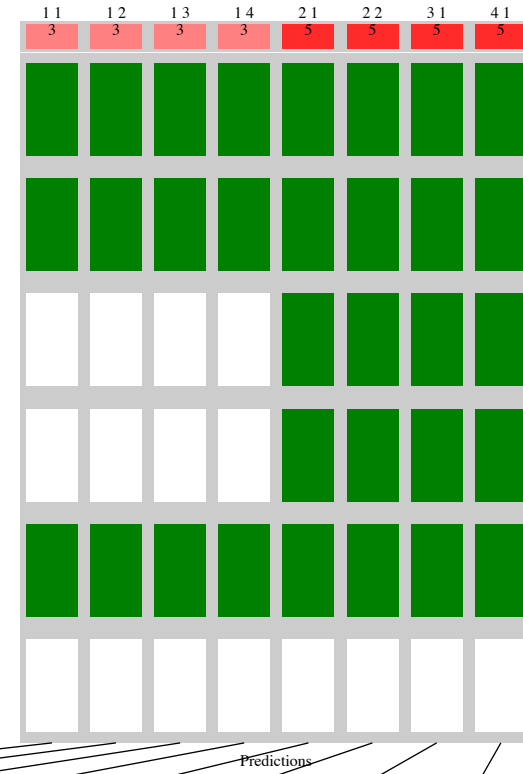
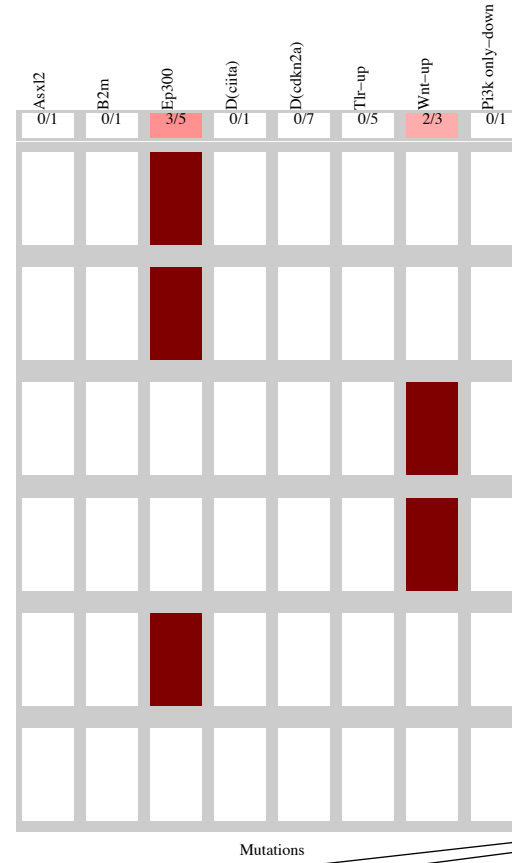
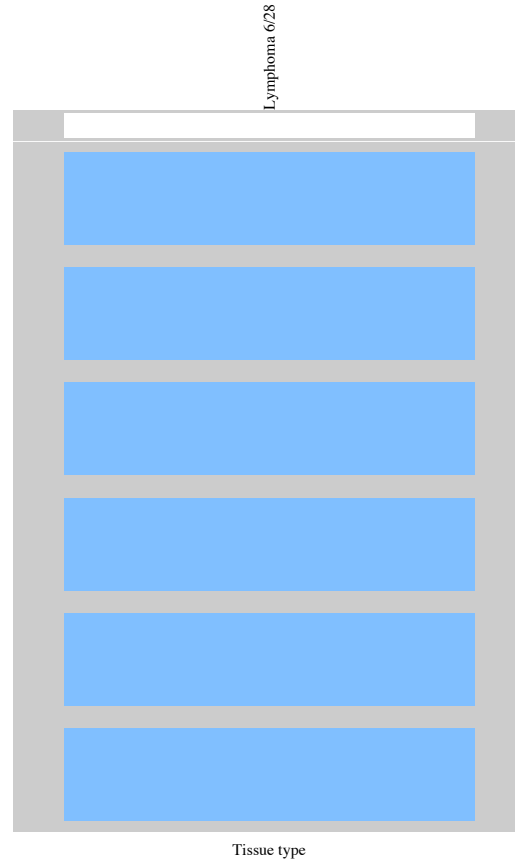
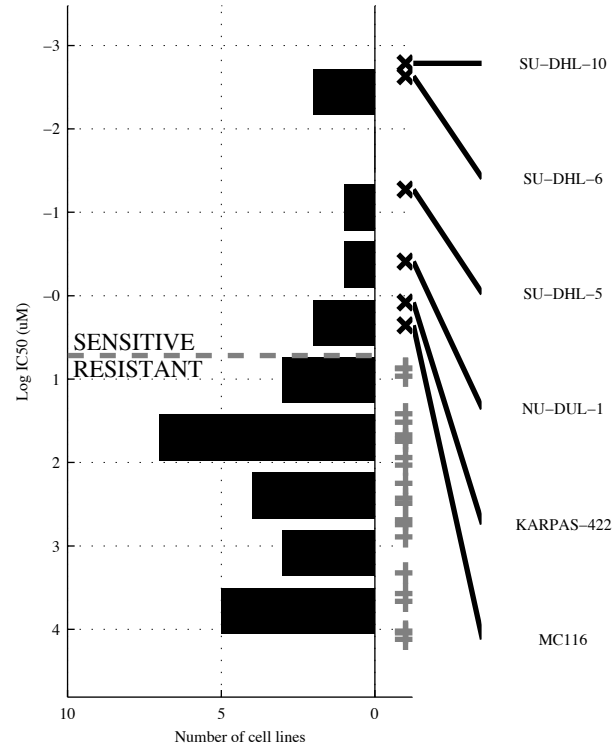
27 cell lines  
 10 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>CREBBP</b>	<b>CREBBP &amp; -d15q15</b>	<b>CREBBP &amp; -d15q15 &amp; -IL-1-D</b>	<b>CREBBP &amp; -d15q15 &amp; -IL-1-D</b>	<b>CREBBP   Wnt-UP</b>	<b>[CREBBP &amp; -d15q15]   [-d(CDKN2A) &amp; Wnt-UP]</b>	<b>ASXL2   CREBBP   Wnt-UP</b>	<b>ASXL2   CREBBP   Wnt-UP  </b>
TP   FP	5   2	5   1	5   0	5   0	7   3	7   1	8   3	8   3
Specificity	0.88	0.94	1	1	0.82	0.94	0.82	0.82
FN   TN	5   15	5   16	5   17	5   17	3   14	3   16	2   14	2   14
Precision	0.71	0.83	1	1	0.7	0.88	0.73	0.73
Recall	0.5	0.5	0.5	0.5	0.7	0.7	0.8	0.8

DLBC  
 id: 156 name: AZD6482  
 target: PI3Kbeta class: PI3K signaling

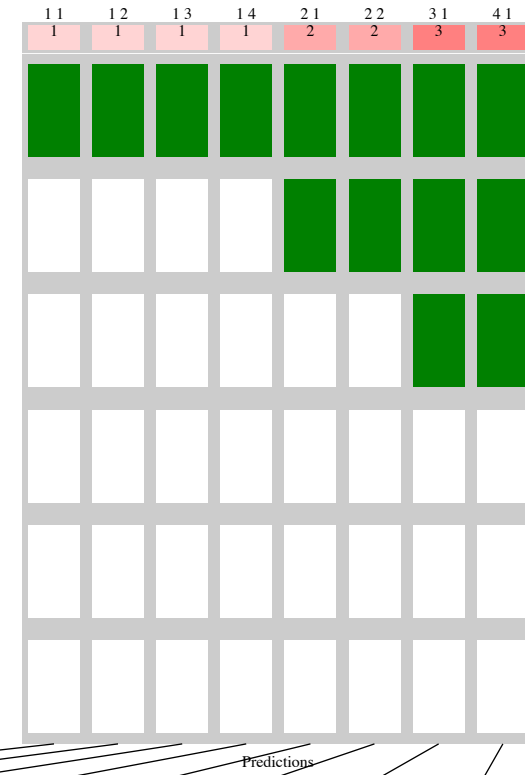
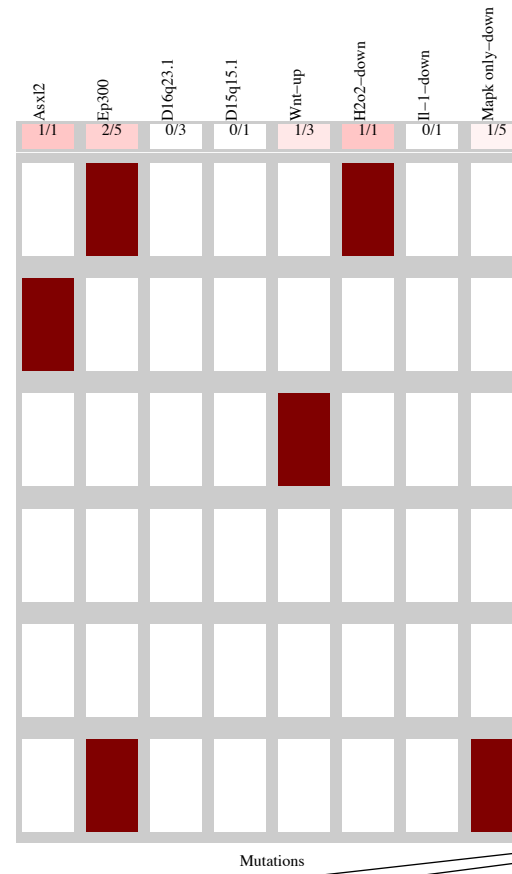
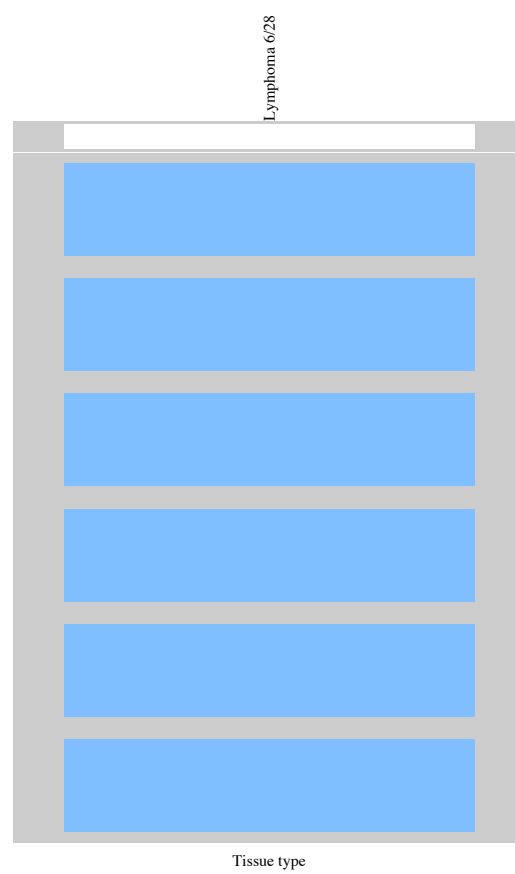
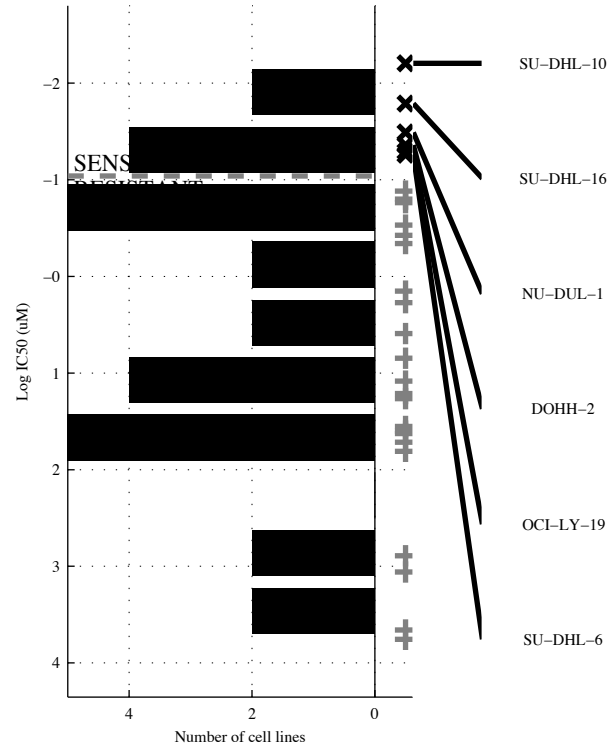
28 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>EP300</b>	<b>EP300 &amp; ¬d(CIT)</b>	<b>EP300 &amp; d(CDKN2A)</b>	<b>¬ASXL2 &amp; EP300 &amp; ¬TLR-UP &amp; ¬PI3K o</b>	<b>EP300   Wnt-UP</b>	<b>[ ¬B2M &amp; Wnt-UP ]   [ EP300 &amp; TLR-UP ]</b>	<b>EP300   Wnt-UP  </b>	<b>EP300   Wnt-UP  </b>
TP   FP	3   2	3   1	3   1	3   1	5   3	5   1	5   3	5   3
Specificity	0.91	0.95	0.95	0.95	0.86	0.95	0.86	0.86
FN   TN	3   20	3   21	3   21	3   21	1   19	1   21	1   19	1   19
Precision	0.6	0.75	0.75	0.75	0.63	0.83	0.63	0.63
Recall	0.5	0.5	0.5	0.5	0.83	0.83	0.83	0.83

DLBC  
 id: 159 name: HG-6-64-1  
 target: BRAFV600E, TAK, MAP4K5 class: ERK MAPK signaling

28 cell lines  
 6 sensitive

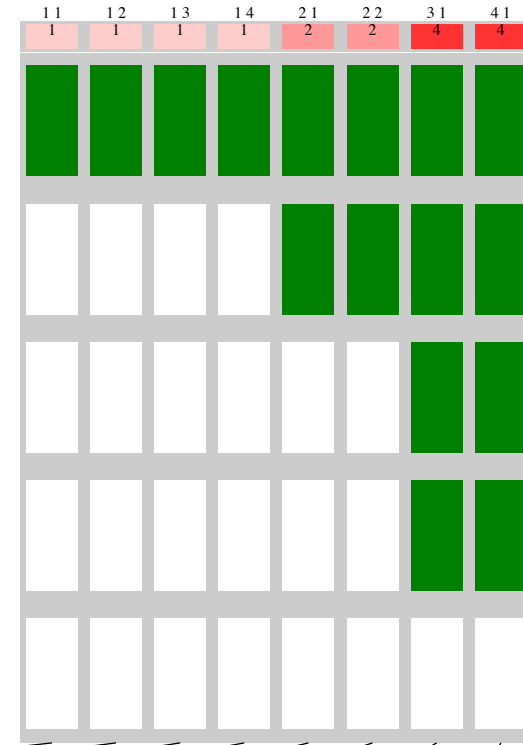
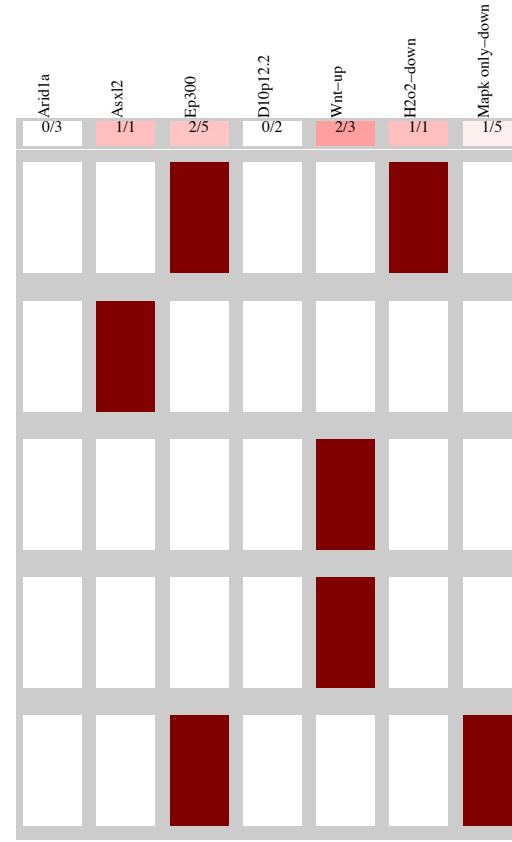
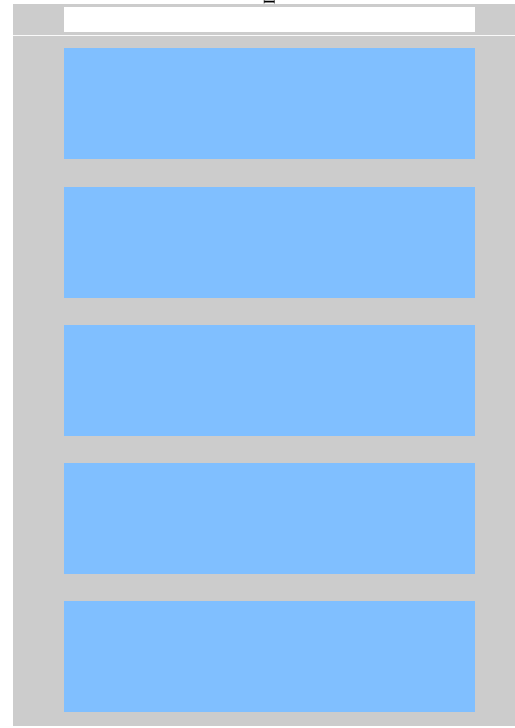
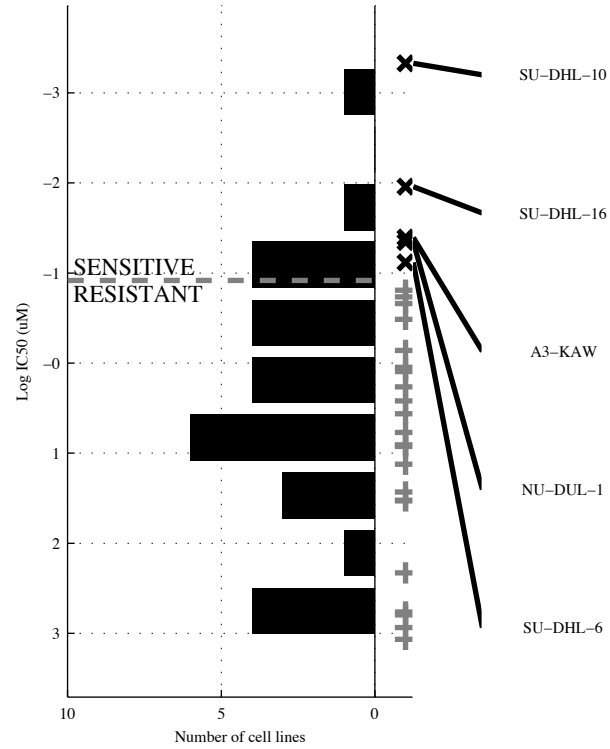


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>H2O2-D</b>	<b>H2O2-D &amp; IL-1-D</b>	<b>EP300 &amp; IL-1-D &amp; <math>\neg</math>MAPK o</b>	<b>EP300 &amp; IL-1-D &amp; <math>\neg</math>MAPK &amp;</b>	<b>ASXL2   H2O2-D</b>	<b>[ ASXL2 &amp; <math>\neg</math>d15q15 ]   [ <math>\neg</math>d16q23 &amp; H2O2-D ]</b>	<b>ASXL2   Wnt-UP   H2O2-D</b>	<b>ASXL2   Wnt-UP   H2O2-D  </b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{5} \mid \frac{0}{22}$ 1 0.17	$\frac{1}{5} \mid \frac{0}{22}$ 1 0.17	$\frac{1}{5} \mid \frac{0}{22}$ 1 0.17	$\frac{1}{5} \mid \frac{0}{22}$ 1 0.17	$\frac{2}{4} \mid \frac{0}{22}$ 1 0.33	$\frac{2}{4} \mid \frac{0}{22}$ 1 0.33	$\frac{3}{3} \mid \frac{2}{20}$ 0.91 0.6 0.5	$\frac{3}{3} \mid \frac{2}{20}$ 0.91 0.6 0.5

DLBC  
 id: 164 name: JQ12  
 target: HDAC class: chromain histone acetylation

28 cell lines  
 5 sensitive

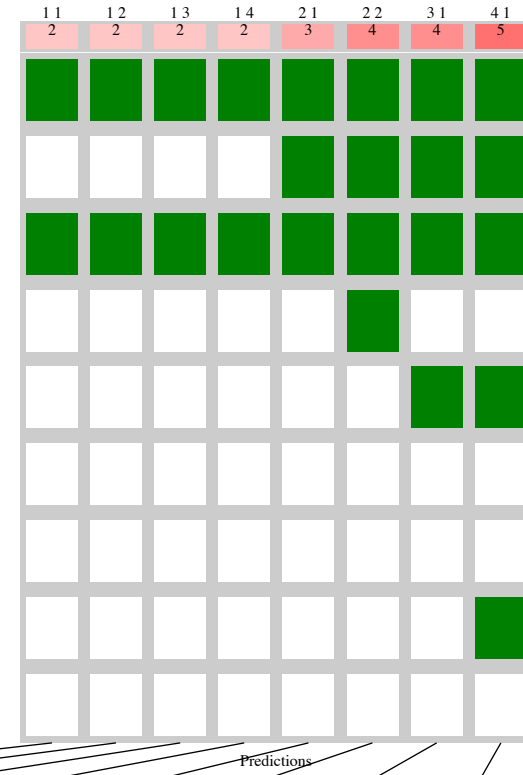
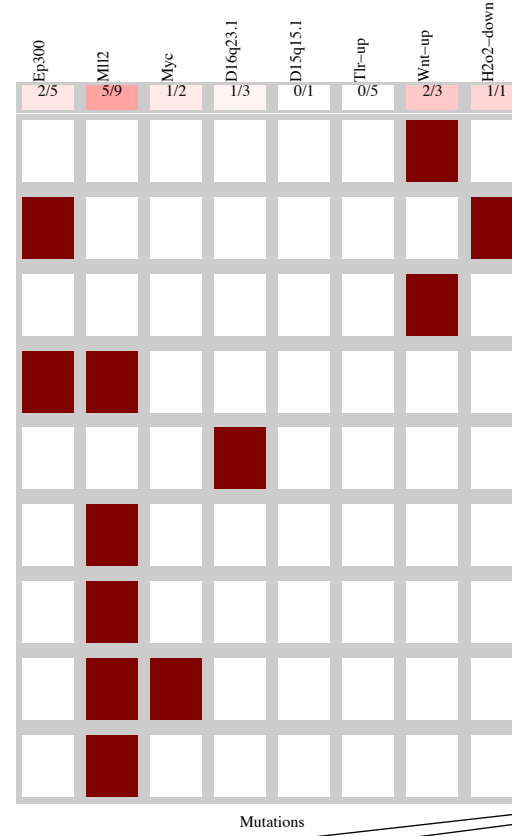
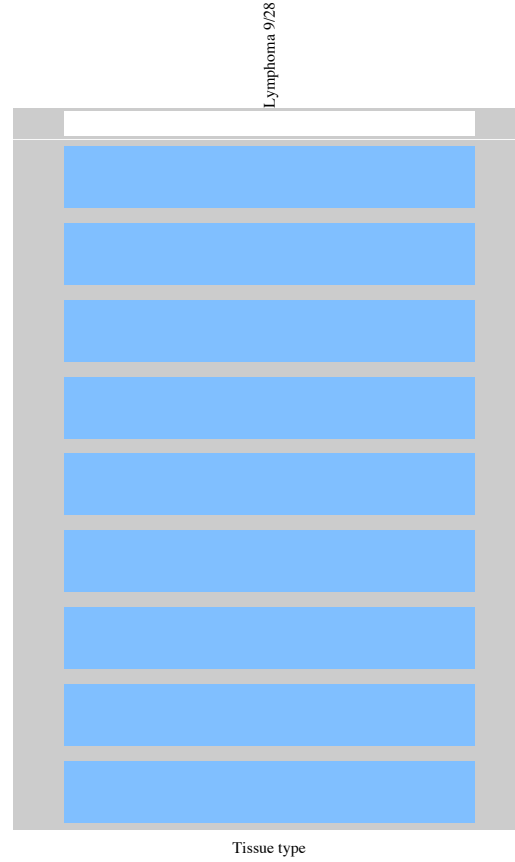
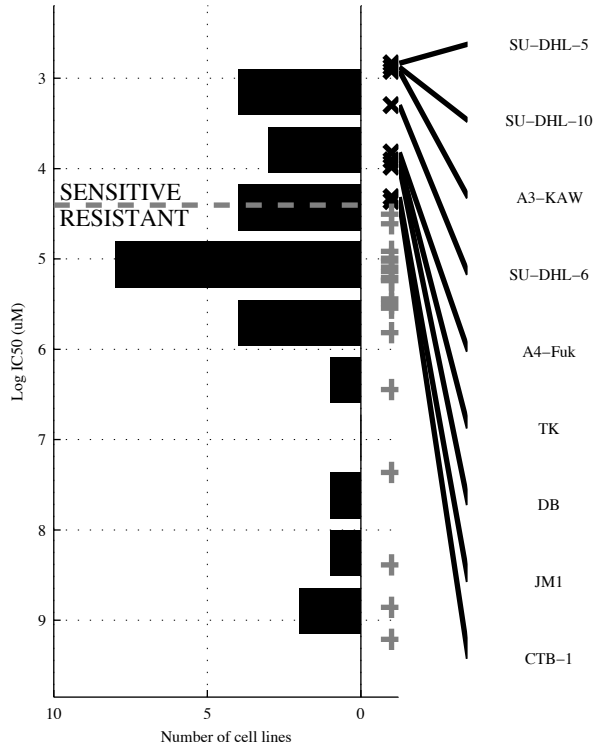
Lymphoma 5/28



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>H2O2-D</b>		<b>¬d10p12&amp;H2O2-D</b>		<b>¬ARID1&amp; EP300 &amp; ¬MAPK o</b>		<b>¬ARID1&amp; EP300 &amp; ¬MAPK &amp;</b>		<b>ASXL2  H2O2-D</b>		<b>[ ASXL2&amp; ]   [ EP300 &amp;H2O2-D]</b>		<b>ASXL2  Wnt-UP  H2O2-D</b>		<b>ASXL2  Wnt-UP  H2O2-D </b>	
TP   FP Specificity	1   0	1	1   0	1	1   0	1	1   0	1	2   0	1	2   0	1	4   1	0.96	4   1	0.96
FN   TN Precision	4   23	1	4   23	1	4   23	1	4   23	1	3   23	1	3   23	1	1   22	0.8	1   22	0.8
Recall		0.2		0.2		0.2		0.2		0.4		0.4		0.8		0.8

DLBC  
 id: 165 name: DMOG  
 target: Prolyl-4-Hydroxylase class: other

28 cell lines  
 9 sensitive

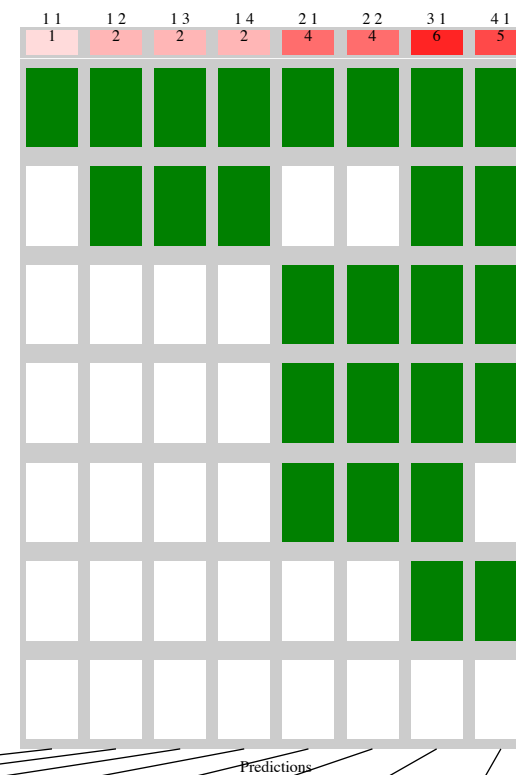
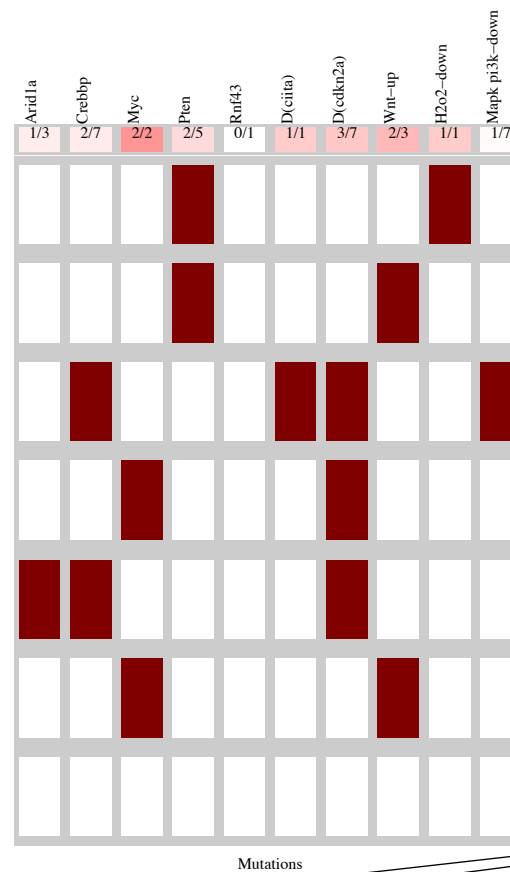
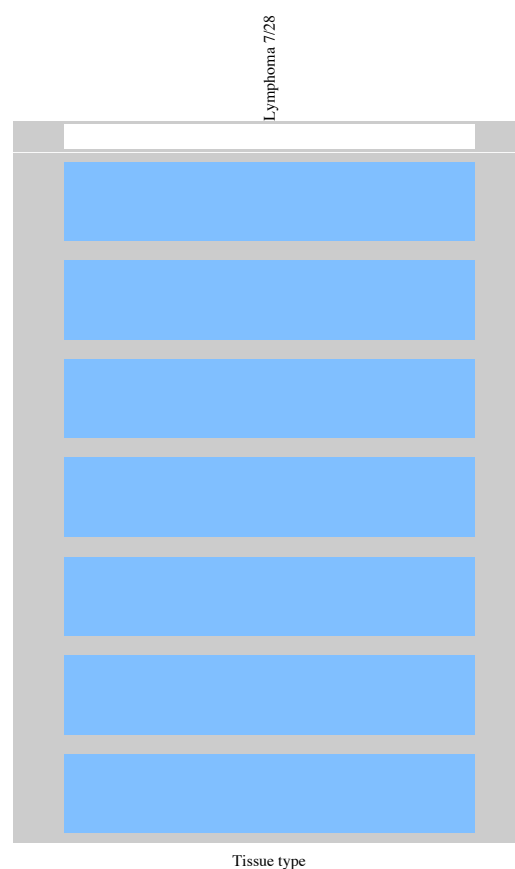
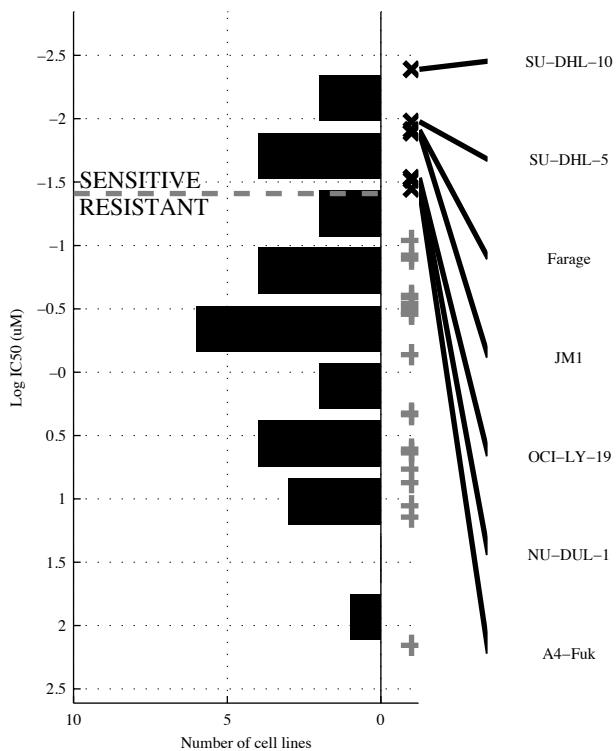


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>Wnt-UP</b>	<b>¬MYC &amp; Wnt-UP</b>	<b>¬MYC &amp; ¬d15q15&amp;</b> <b>Wnt-UP</b>	<b>¬MYC &amp; Wnt-UP&amp;</b> <b>&amp;</b>	<b>Wnt-UP H2O2-D</b>	<b>[ EP300 &amp; TLR-UP ]</b> <b> </b> <b>[ ¬MLL2&amp;Wnt-UP ]</b>	<b>d16q23   Wnt-UP </b> <b>H2O2-D</b>	<b>MYC   d16q23  </b> <b>Wnt-UP H2O2-D</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{2}{7} \mid \frac{1}{18}$ 0.95 0.67 0.22	$\frac{2}{7} \mid \frac{0}{19}$ 1 1 0.22	$\frac{2}{7} \mid \frac{0}{19}$ 1 1 0.22	$\frac{2}{7} \mid \frac{0}{19}$ 1 1 0.22	$\frac{3}{6} \mid \frac{1}{18}$ 0.95 0.75 0.33	$\frac{4}{5} \mid \frac{2}{17}$ 0.89 0.67 0.44	$\frac{4}{5} \mid \frac{3}{16}$ 0.84 0.57 0.44	$\frac{5}{4} \mid \frac{3}{16}$ 0.84 0.63 0.56



DLBC  
 id: 170 name: Shikonin  
 target: unknown class: other

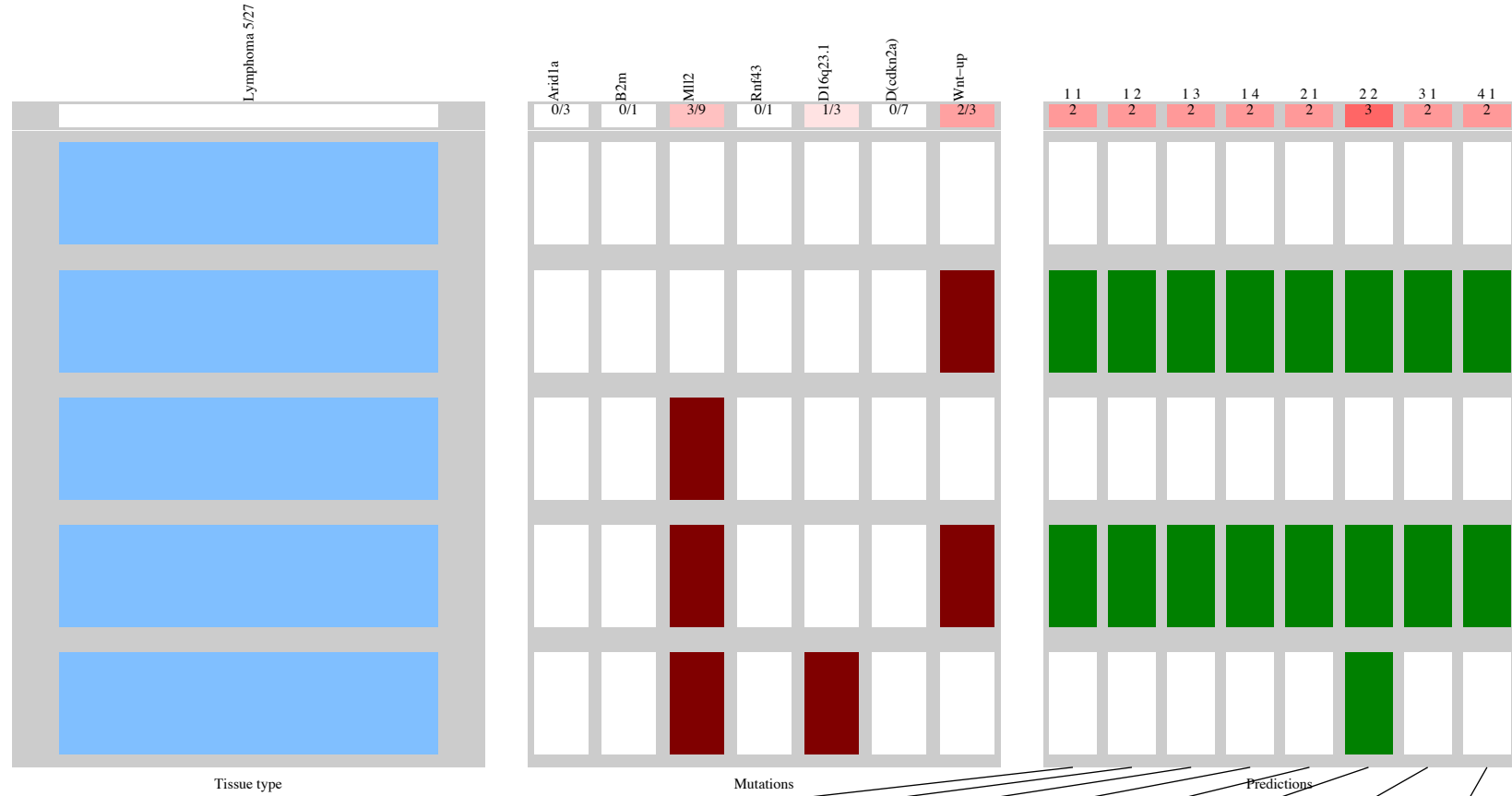
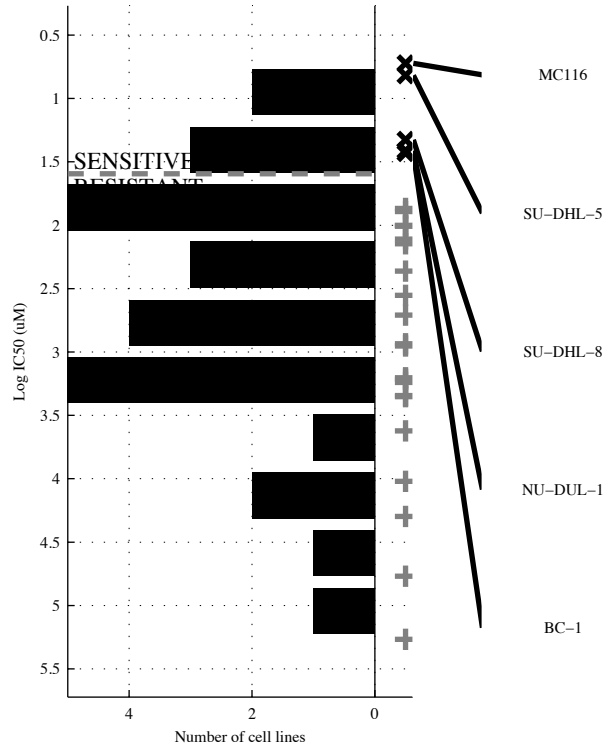
28 cell lines  
 7 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>H2O2-D</b>	<b>-CREBBP &amp; PTEN</b>	<b>-ARID1A &amp; PTEN &amp; -RNF43</b>	<b>PTEN &amp; -RNF43 &amp; -d(CDKN &amp; MAPK P</b>	<b>d(CDKN H2O2-D</b>	<b>[d(CDKN &amp; Wnt-UP]   [H2O2-D &amp; ]</b>	<b>d(CDKN Wnt-UP  H2O2-D</b>	<b>MYC   d(CIT   Wnt-UP H2O2-D</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{6} \mid \frac{0}{21}$ 1 0.14	$\frac{2}{5} \mid \frac{2}{19}$ 0.9 0.5 0.29	$\frac{2}{5} \mid \frac{1}{20}$ 0.95 0.67 0.29	$\frac{2}{5} \mid \frac{1}{20}$ 0.95 0.67 0.29	$\frac{4}{3} \mid \frac{4}{17}$ 0.81 0.5 0.57	$\frac{4}{3} \mid \frac{3}{18}$ 0.86 0.57 0.57	$\frac{6}{1} \mid \frac{4}{17}$ 0.81 0.6 0.86	$\frac{5}{2} \mid \frac{1}{20}$ 0.95 0.83 0.71

DLBC  
 id: 172 name: Embelin  
 target: XIAP class: apoptosis regulation

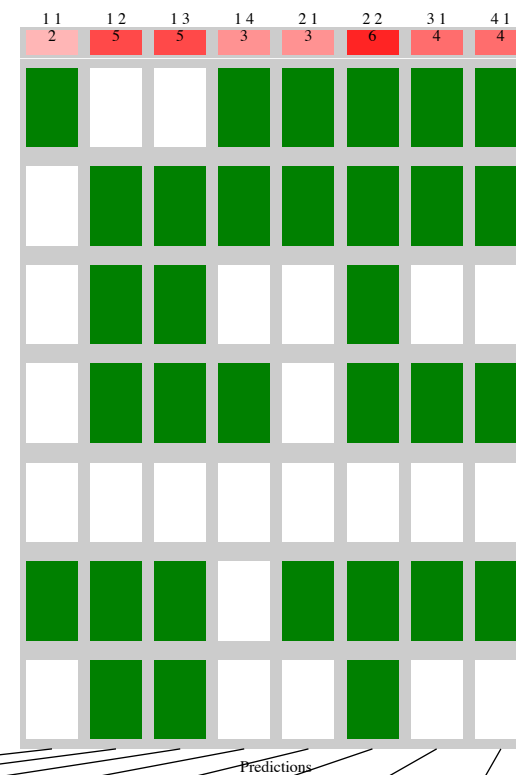
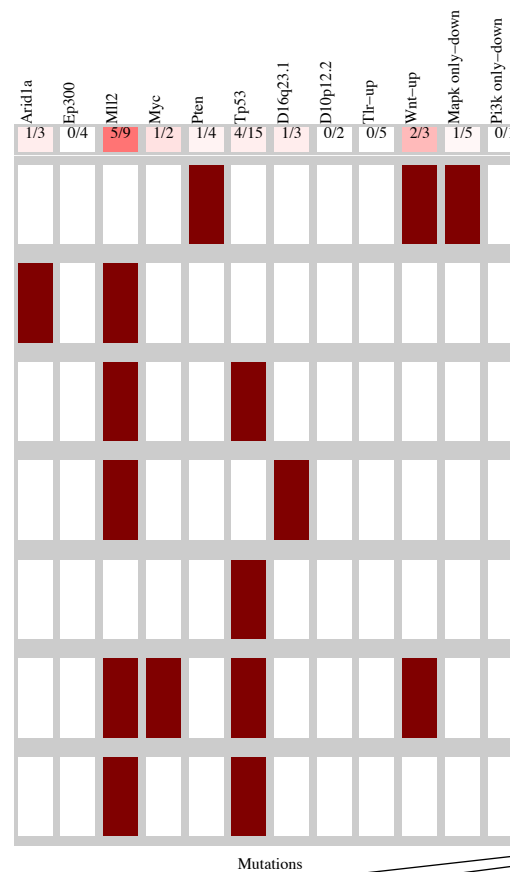
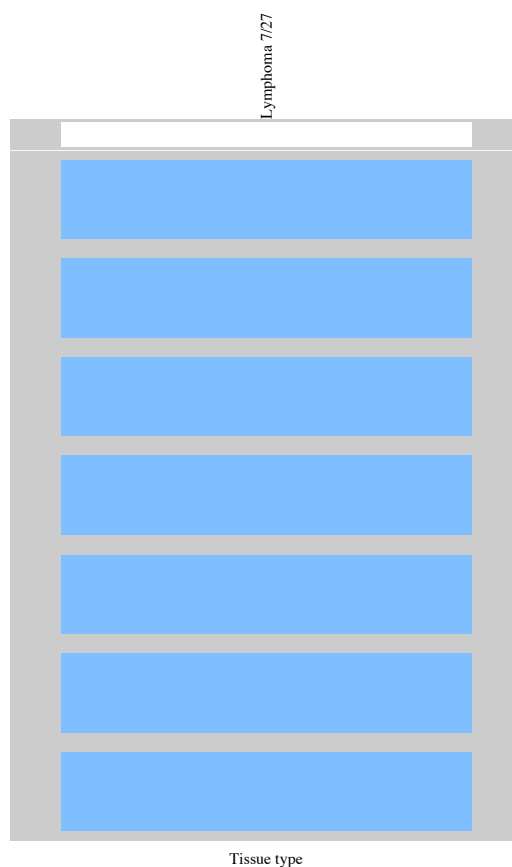
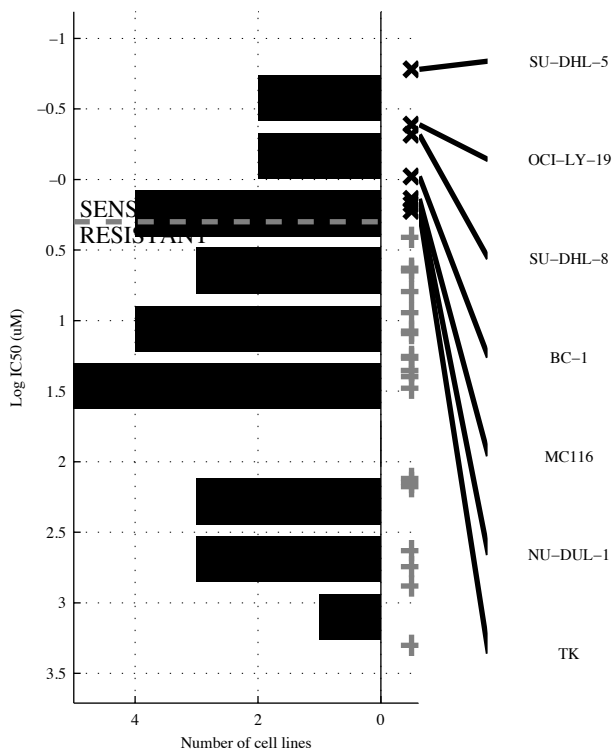
27 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>Wnt-UP</b>	<b>¬d(CDKN2A) &amp; Wnt-UP</b>	<b>¬ARID1A &amp; d(CDKN2A) &amp; Wnt-UP</b>	<b>¬ARID1A &amp; ¬B2M &amp; ¬RNF43 &amp; Wnt-UP</b>	<b>Wnt-UP</b>	<b>[ MLL2 &amp; d16q23 ] &amp; ¬d(CDKN2A) &amp; Wnt-UP</b>	<b>Wnt-UP</b>	<b>Wnt-UP</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{2}{3} \mid \frac{1}{21}$ 0.95 0.67 0.4	$\frac{2}{3} \mid \frac{0}{22}$ 1 1 0.4	$\frac{2}{3} \mid \frac{0}{22}$ 1 1 0.4	$\frac{2}{3} \mid \frac{0}{22}$ 1 1 0.4	$\frac{2}{3} \mid \frac{1}{21}$ 0.95 0.67 0.4	$\frac{3}{2} \mid \frac{0}{22}$ 1 1 0.6	$\frac{2}{3} \mid \frac{1}{21}$ 0.95 0.67 0.4	$\frac{2}{3} \mid \frac{1}{21}$ 0.95 0.67 0.4

DLBC  
 id: 175 name: PAC-1  
 target: CASP3 agonist class: apoptosis regulation

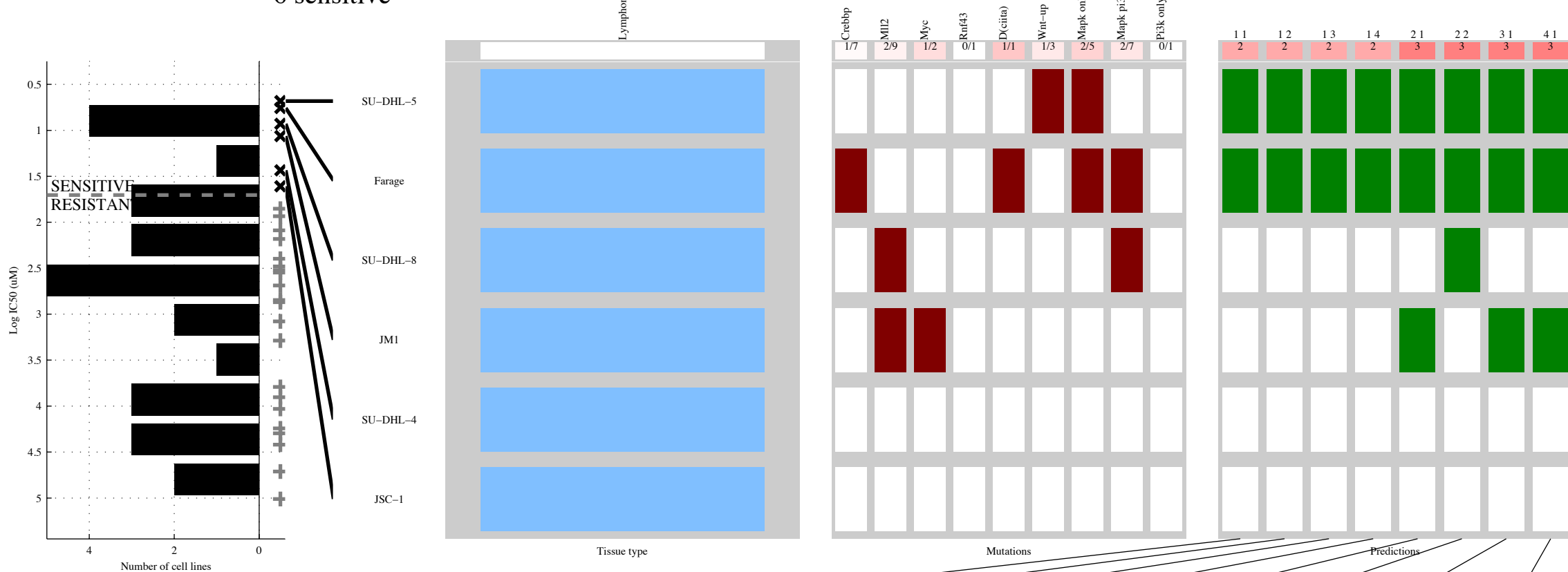
27 cell lines  
 7 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>Wnt-UP</b>	<b>MLL2 &amp; MAPK o</b>	<b>-EP300 &amp; MLL2 &amp; -d10p12</b>	<b>-MYC &amp; -TP53 &amp; -TLR-UP &amp; -PI3K o</b>	<b>ARID1A   Wnt-UP</b>	<b>[ PTEN &amp; -TP53 ]   [ -EP300 &amp; MLL2 ]</b>	<b>ARID1A   d16q23   Wnt-UP</b>	<b>ARID1A   d16q23   Wnt-UP  </b>
TP   FP Specificity FN   TN Precision Recall	$\frac{2}{5} \mid \frac{1}{19}$ 0.95 0.67 0.29	$\frac{5}{2} \mid \frac{3}{17}$ 0.85 0.63 0.71	$\frac{5}{2} \mid \frac{2}{18}$ 0.9 0.71 0.71	$\frac{3}{4} \mid \frac{4}{16}$ 0.8 0.43 0.43	$\frac{3}{4} \mid \frac{3}{17}$ 0.85 0.5 0.43	$\frac{6}{1} \mid \frac{3}{17}$ 0.85 0.67 0.86	$\frac{4}{3} \mid \frac{4}{16}$ 0.8 0.5 0.57	$\frac{4}{3} \mid \frac{4}{16}$ 0.8 0.5 0.57

DLBC  
 id: 176 name: IPA-3  
 target: PAK1, PAK2, PAK3 class: cytoskeleton

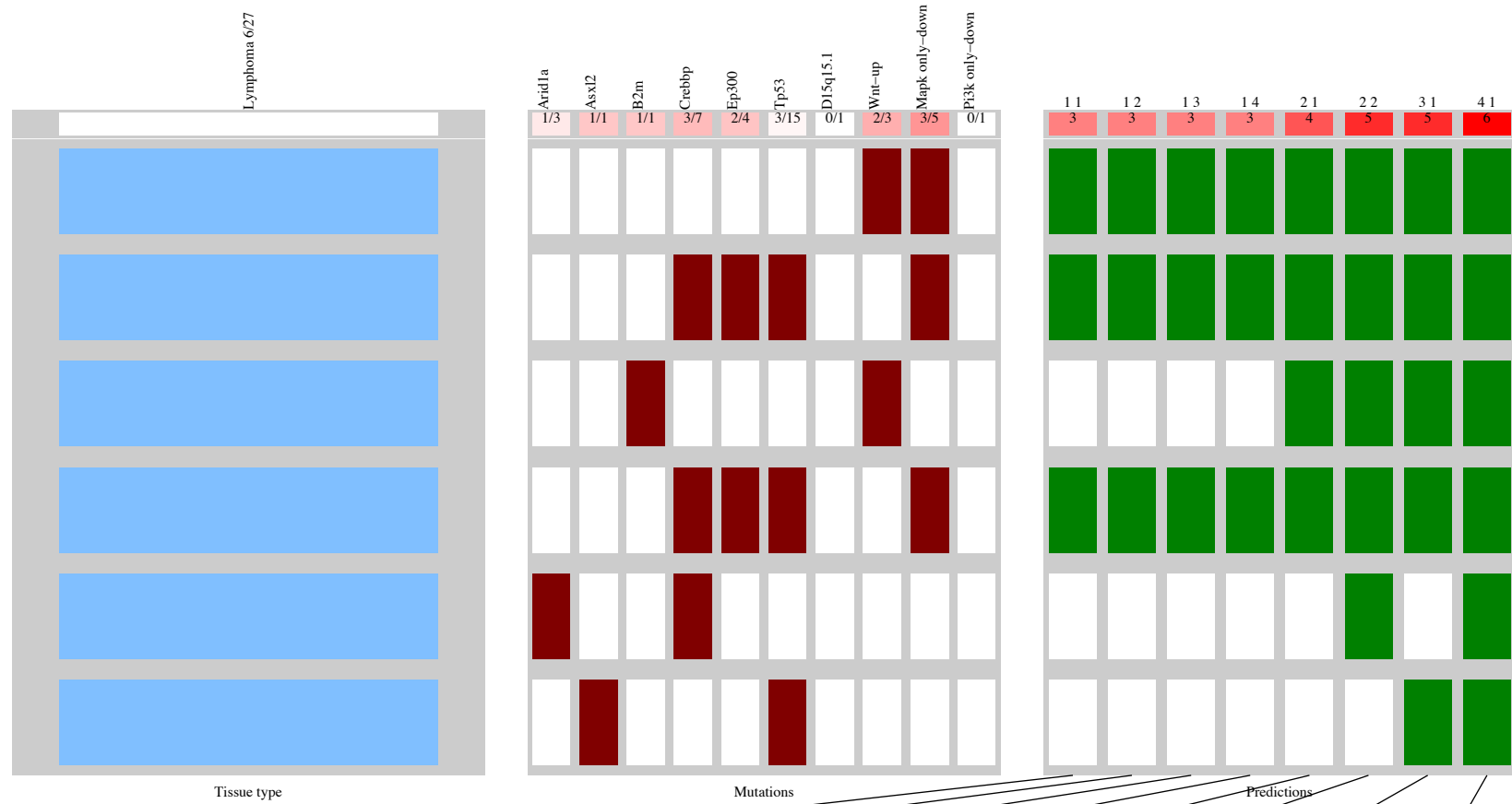
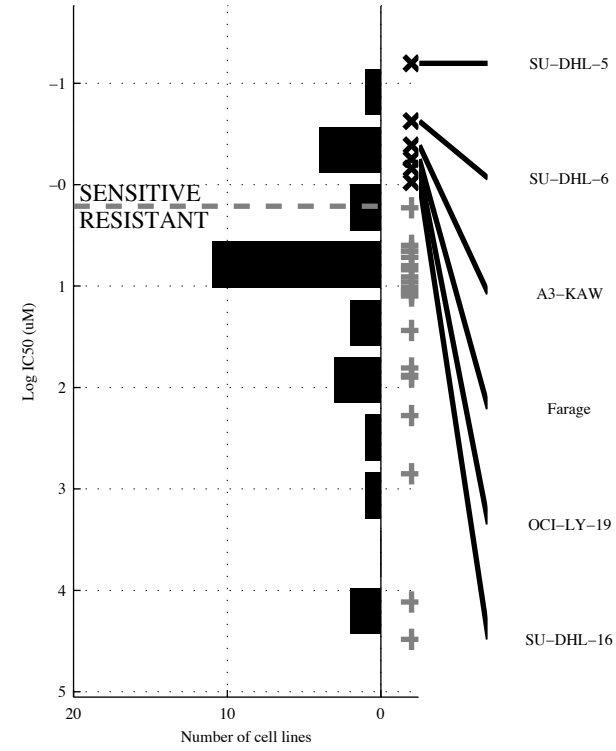
27 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>MAPK o</b>	<b>~MLL2&amp;MAPK o</b>	<b>~MLL2&amp;MAPK &amp;</b>	<b>~MLL2&amp;~RNF43&amp;</b>	<b>MYC  MAPK o</b>	<b>[ ~MLL2&amp;MAPK o ]</b> <b> </b> <b>[ CREBB&amp;MAPK P ]</b>	<b>MYC   d(CIT  </b>	<b>MYC   d(CIT  </b>
TP   FP Specificity FN   TN Precision Recall	$\frac{2}{4} \mid \frac{3}{18}$ 0.86 0.4 0.33	$\frac{2}{4} \mid \frac{2}{19}$ 0.9 0.5 0.33	$\frac{2}{4} \mid \frac{1}{20}$ 0.95 0.67 0.33	$\frac{2}{4} \mid \frac{1}{20}$ 0.95 0.67 0.33	$\frac{3}{3} \mid \frac{4}{17}$ 0.81 0.43 0.5	$\frac{3}{3} \mid \frac{3}{18}$ 0.86 0.5 0.5	$\frac{3}{3} \mid \frac{2}{19}$ 0.9 0.6 0.5	$\frac{3}{3} \mid \frac{2}{19}$ 0.9 0.6 0.5

DLBC  
 id: 178 name: BAY 61-3606  
 target: SYK class: other

27 cell lines  
 6 sensitive

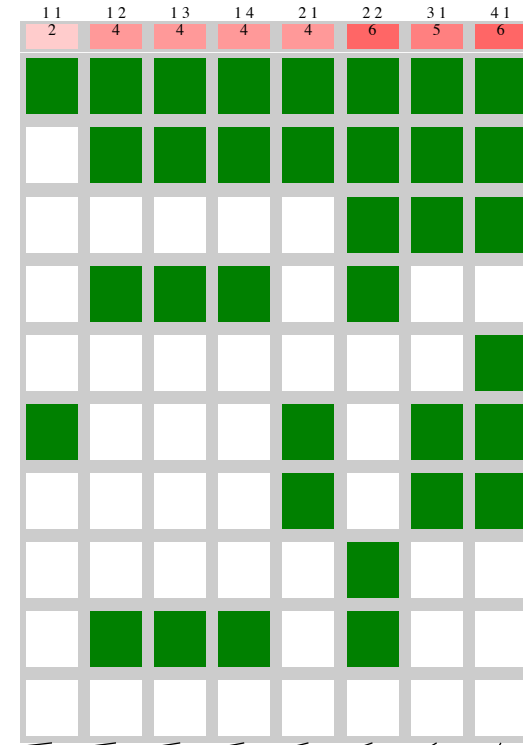
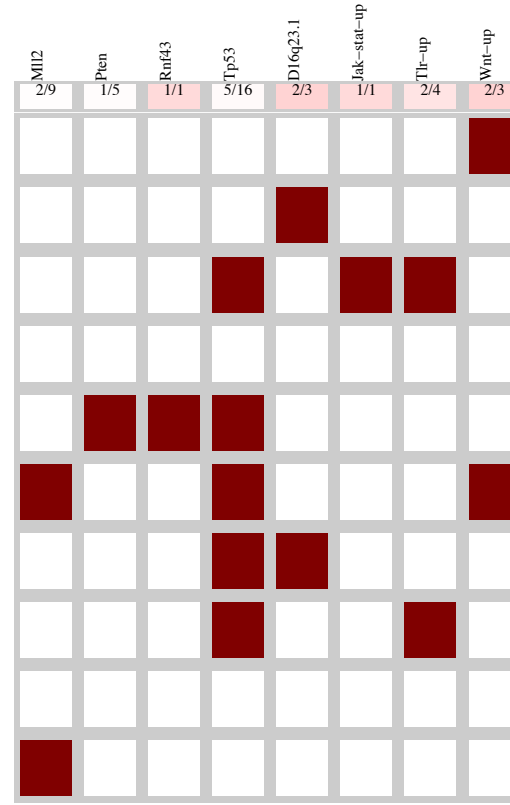
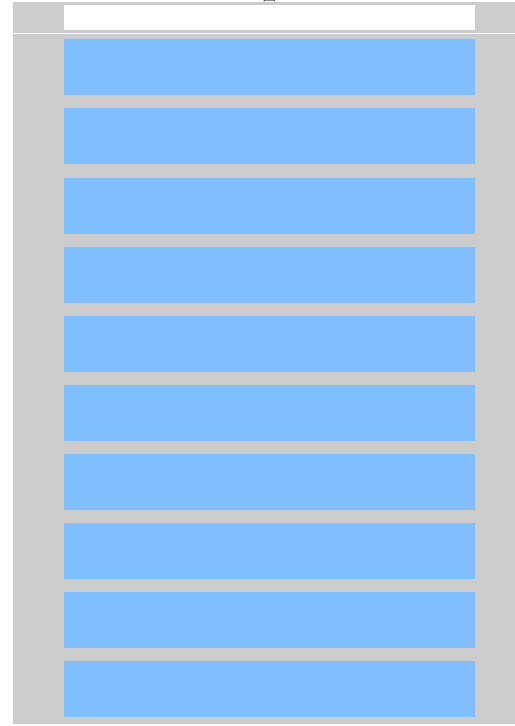
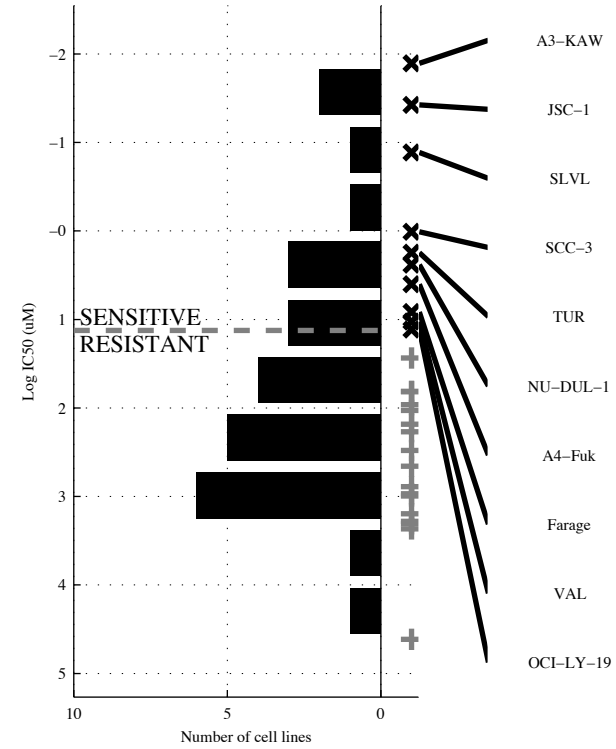


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>MAPK o</b>	<b>MAPK o &amp; ~PI3K o</b>	<b>MAPK o &amp; ~PI3K o &amp;</b>	<b>~ASXL2 &amp; MAPK o &amp;</b> <b>~PI3K o &amp;</b>	<b>B2M   MAPK o</b>	<b>[ CREBBP &amp; ~d15q15 ]</b> <b> </b> <b>[ ~TP53 &amp; Wnt-UP ]</b>	<b>ASXL2   B2M  </b> <b>MAPK o</b>	<b>ARID1A   ASXL2  </b> <b>EP300   Wnt-UP</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{3}{3} \mid \frac{2}{19}$ 0.9 0.6 0.5	$\frac{3}{3} \mid \frac{1}{20}$ 0.95 0.75 0.5	$\frac{3}{3} \mid \frac{1}{20}$ 0.95 0.75 0.5	$\frac{3}{3} \mid \frac{1}{20}$ 0.95 0.75 0.5	$\frac{4}{2} \mid \frac{2}{19}$ 0.9 0.67 0.67	$\frac{5}{1} \mid \frac{3}{18}$ 0.86 0.63 0.83	$\frac{5}{1} \mid \frac{2}{19}$ 0.9 0.71 0.83	$\frac{6}{0} \mid \frac{4}{17}$ 0.81 0.6 1

DLBC  
 id: 179 name: 5-Fluorouracil  
 target: DNA antimetabolite class: DNA replication

27 cell lines  
 10 sensitive

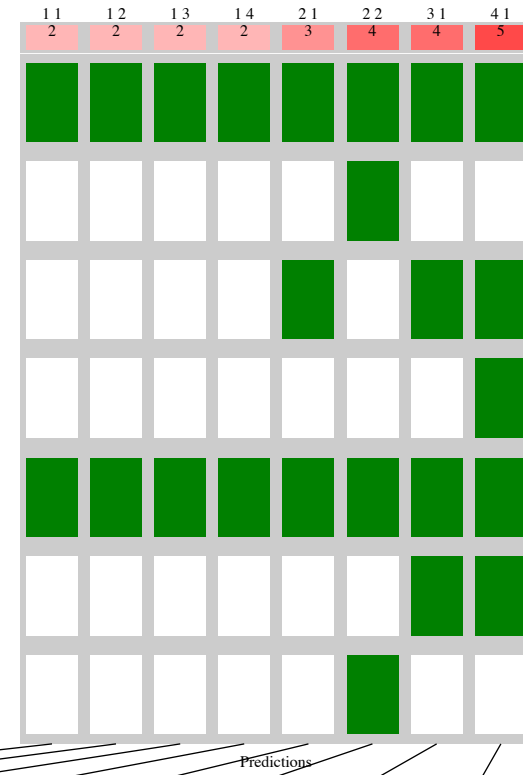
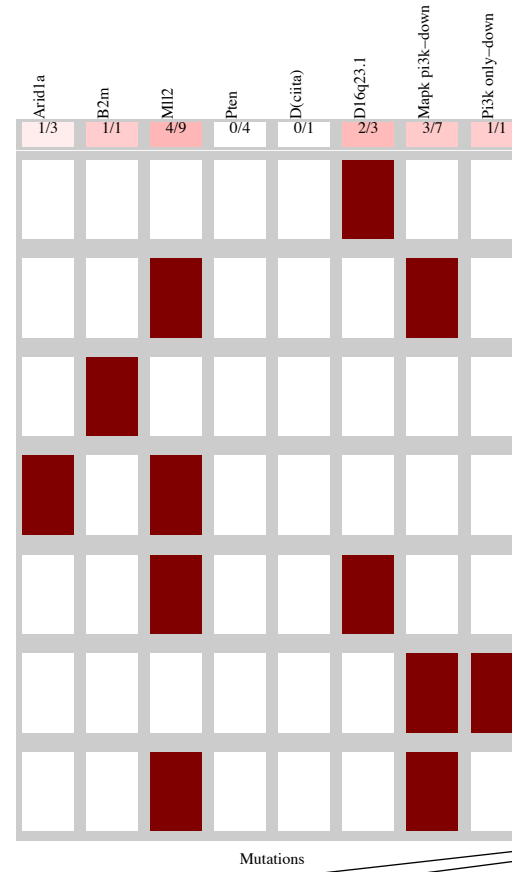
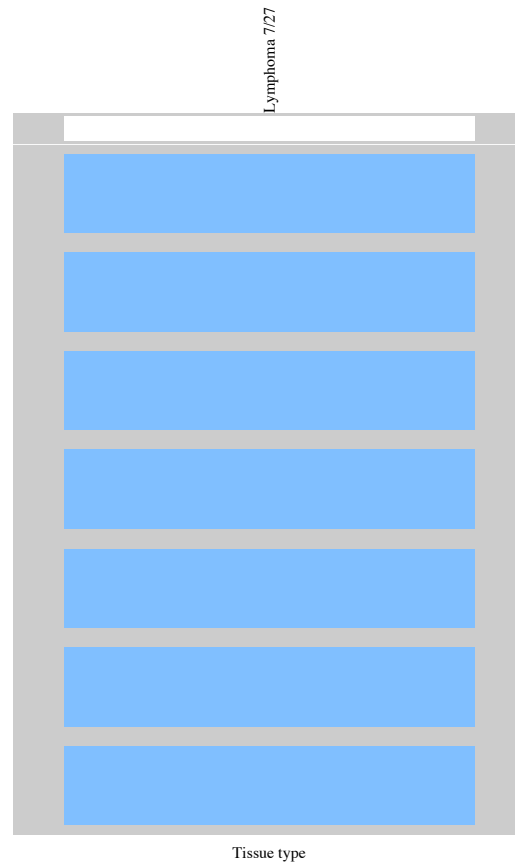
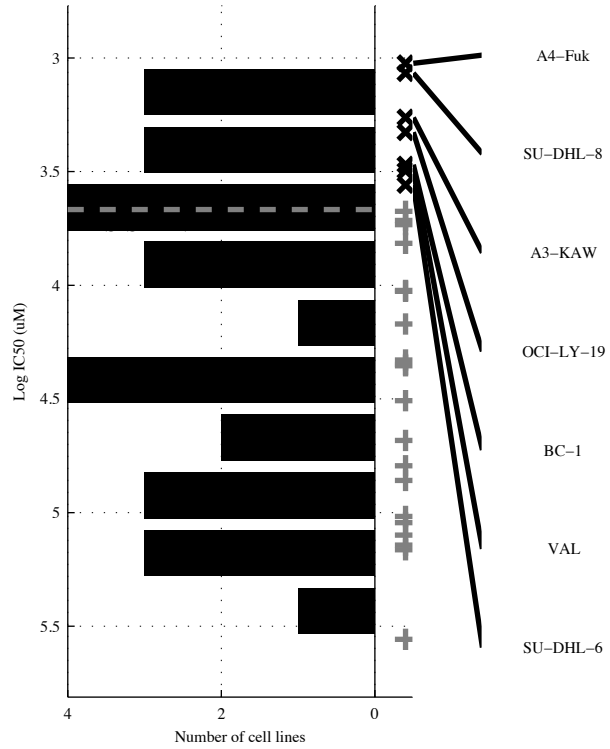
Lymphoma 10/27



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>Wnt-UP</b>	<b>-MLL2 &amp; -TP53</b>	<b>-MLL2 &amp; -TP53 &amp; -TLR-UP</b>	<b>-MLL2 &amp; -PTEN &amp; -TP53 &amp; TLR-UP</b>	<b>d16q23   Wnt-UP</b>	<b>[ TP53 &amp; TLR-UP ]   [-MLL2 &amp; -TP53]</b>	<b>d16q23   JAK-ST1   Wnt-UP</b>	<b>RNF43   d16q23   JAK-ST1   Wnt-UP</b>
TP   FP	2   1	4   3	4   1	4   0	4   2	6   3	5   2	6   2
Specificity	0.94	0.82	0.94	1	0.88	0.82	0.88	0.88
FN   TN	8   16	6   14	6   16	6   17	6   15	4   14	5   15	4   15
Precision	0.67	0.57	0.8	1	0.67	0.67	0.71	0.75
Recall	0.2	0.4	0.4	0.4	0.4	0.6	0.5	0.6

DLBC  
 id: 192 name: LFM-A13  
 target: BTK class: other

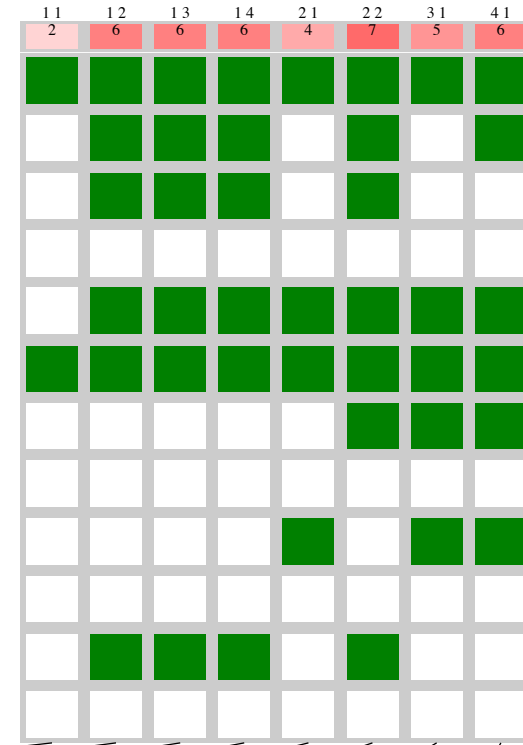
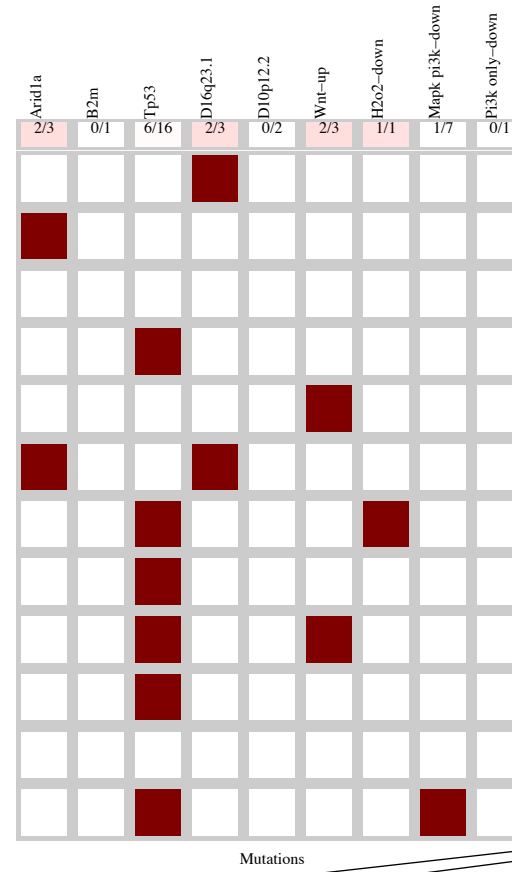
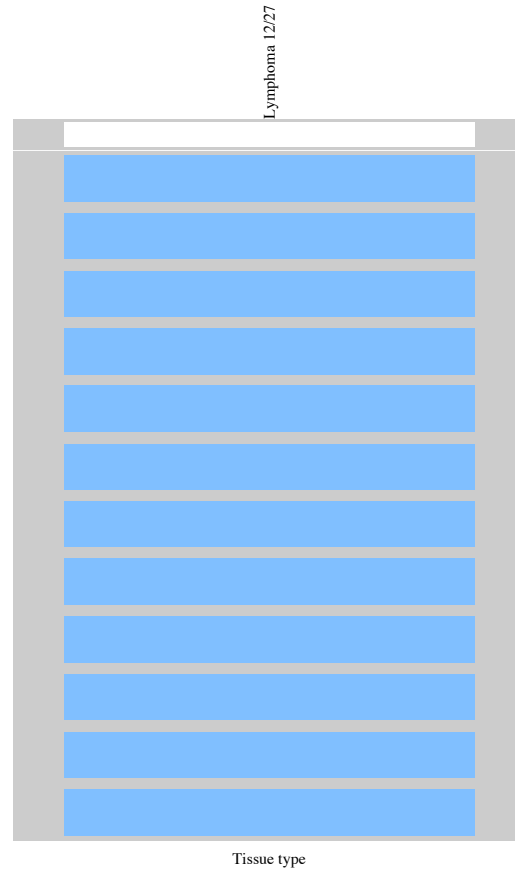
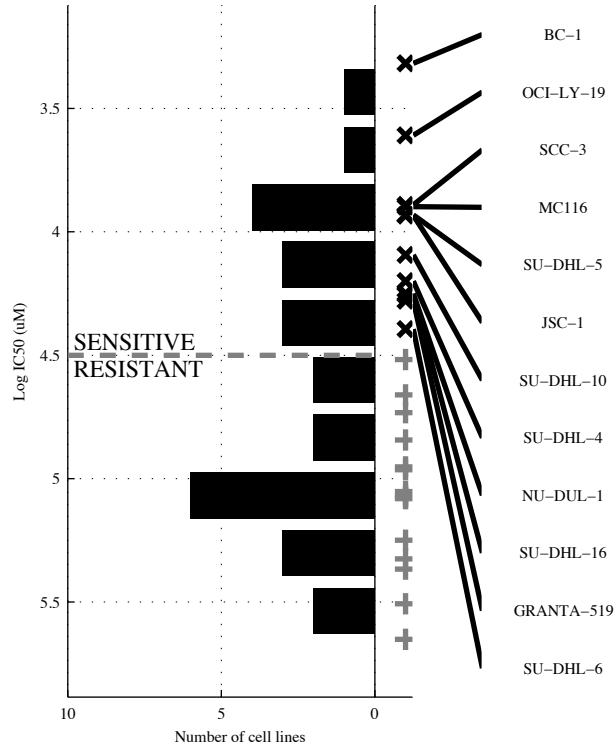
27 cell lines  
 7 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d16q23</b>	<b>¬ARID1&amp; d16q23</b>	<b>¬ARID1&amp; d16q23 &amp; ¬MAPK P</b>	<b>¬ARID1&amp; ¬PTEN &amp; ¬d(C11T&amp; d16q23)</b>	<b>B2M   d16q23</b>	<b>[¬ARID1&amp; d16q23]   [ MLL2 &amp; MAPK P]</b>	<b>B2M   d16q23   PI3K o</b>	<b>ARID1A  B2M   d16q23   PI3K o</b>
TP   FP	2   1	2   0	2   0	2   0	3   1	4   1	4   1	5   2
Specificity	0.95	1	1	1	0.95	0.95	0.95	0.9
FN   TN	5   19	5   20	5   20	5   20	4   19	3   19	3   19	2   18
Precision	0.67	1	1	1	0.75	0.8	0.8	0.71
Recall	0.29	0.29	0.29	0.29	0.43	0.57	0.57	0.71

DLBC  
 id: 193 name: GW-2580  
 target: CSF1R (cFMS) class: RTK signaling

27 cell lines  
 12 sensitive

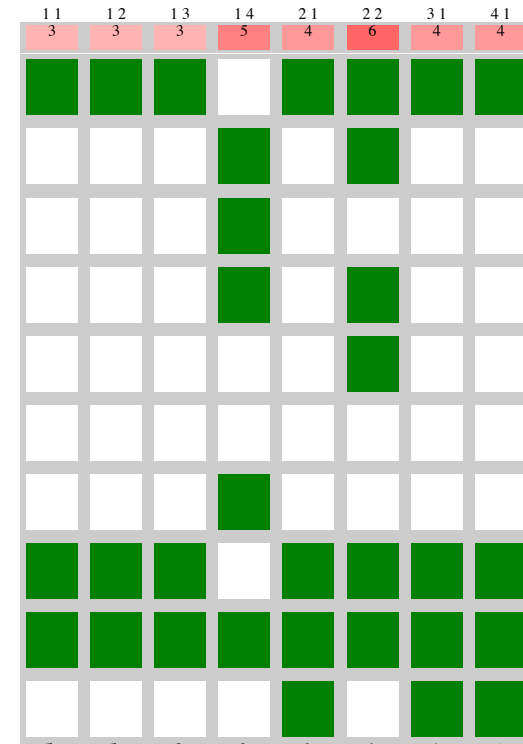
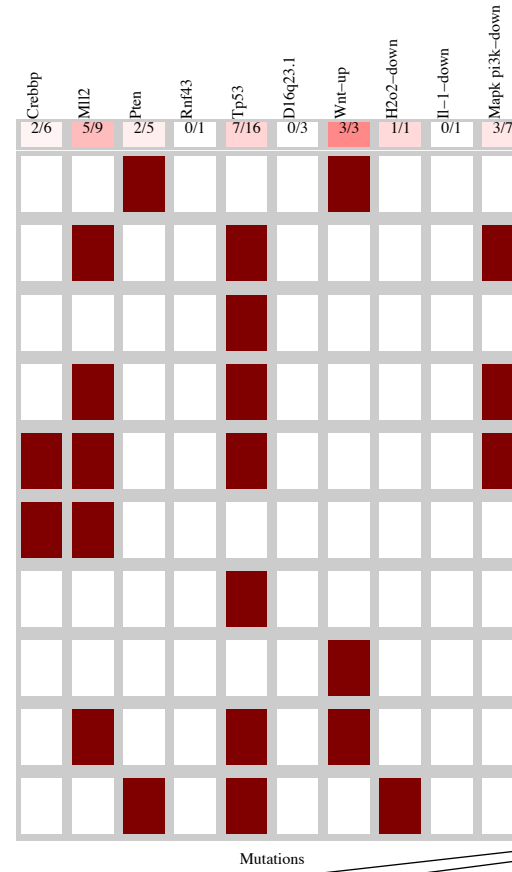
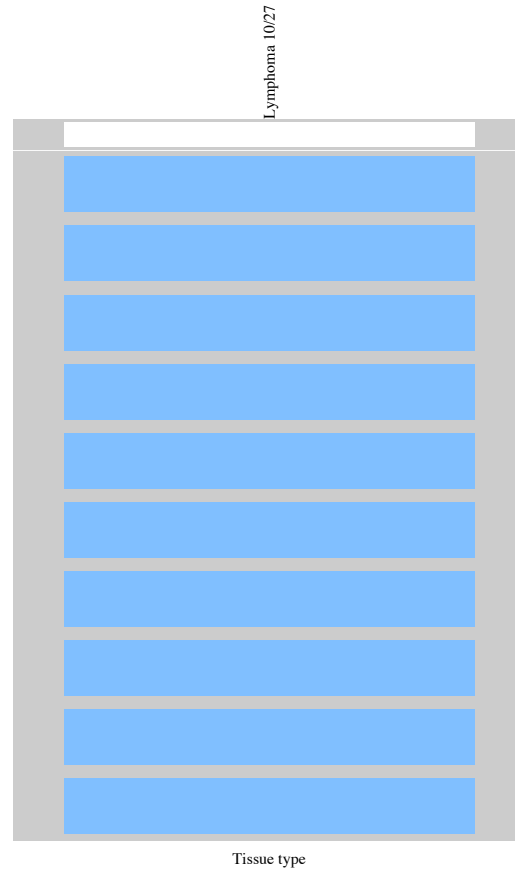
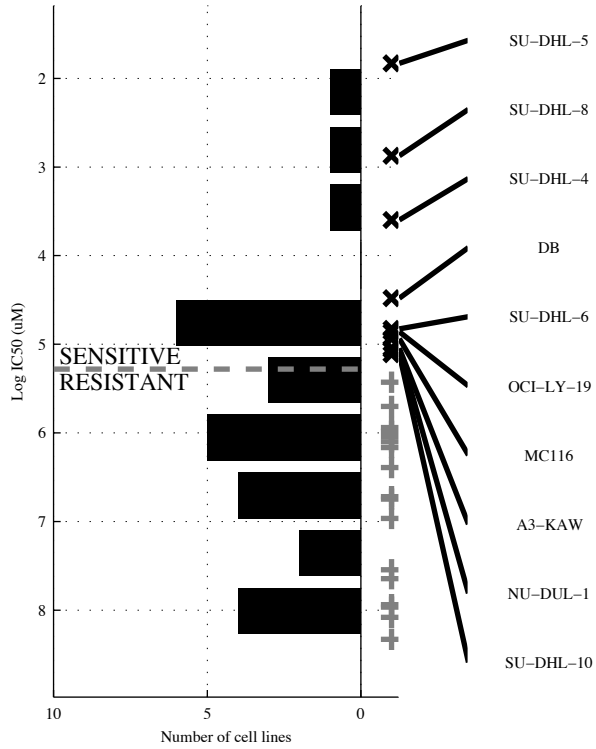


Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>d16q23</b>		<b>-TP53 &amp; -d10p12</b>		<b>-TP53 &amp; -d10p12 &amp; -MAPK P</b>		<b>-B2M &amp; -TP53 &amp; -d10p12 &amp; -PI3K o</b>		<b>d16q23   Wnt-UP</b>		<b>[ -d16q23 &amp; H2O2-D ]   [ -TP53 &amp; -d10p12 ]</b>		<b>d16q23   Wnt-UP   H2O2-D</b>		<b>ARID1A   d16q23   Wnt-UP   H2O2-D</b>	
TP   FP Specificity	2   1	0.93	6   3	0.8	6   2	0.87	6   1	0.93	4   2	0.87	7   3	0.8	5   2	0.87	6   3	0.8
FN   TN Precision	10   14	0.67	6   12	0.67	6   13	0.75	6   14	0.86	8   13	0.67	5   12	0.7	7   13	0.71	6   12	0.67
Recall		0.17		0.5		0.5		0.5		0.33		0.58		0.42		0.5



DLBC  
 id: 196 name: Phenformin  
 target: AAPK1 (AMPK) agonist class: metabolism

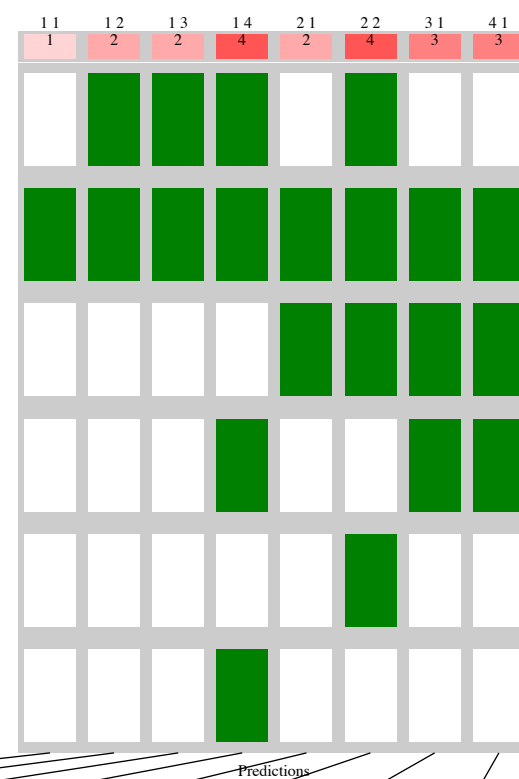
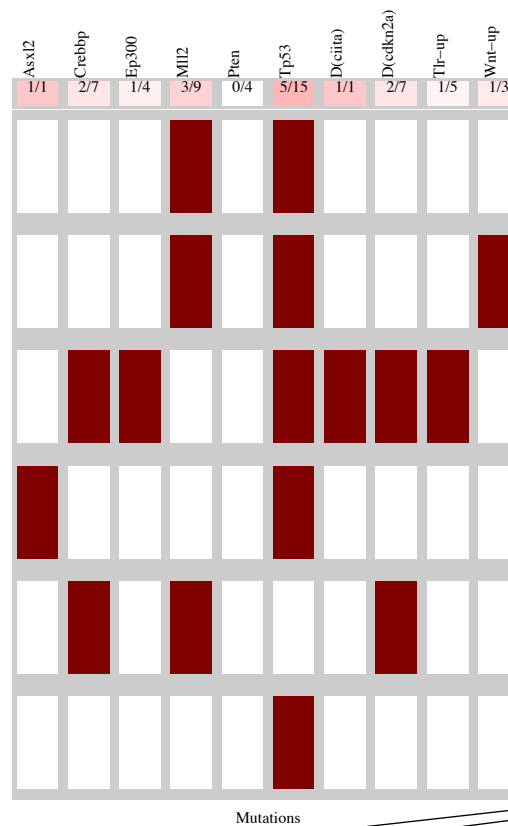
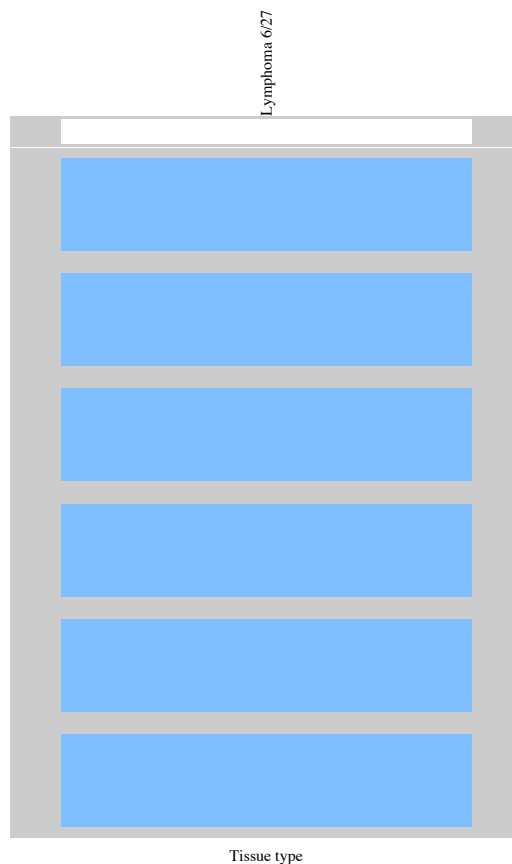
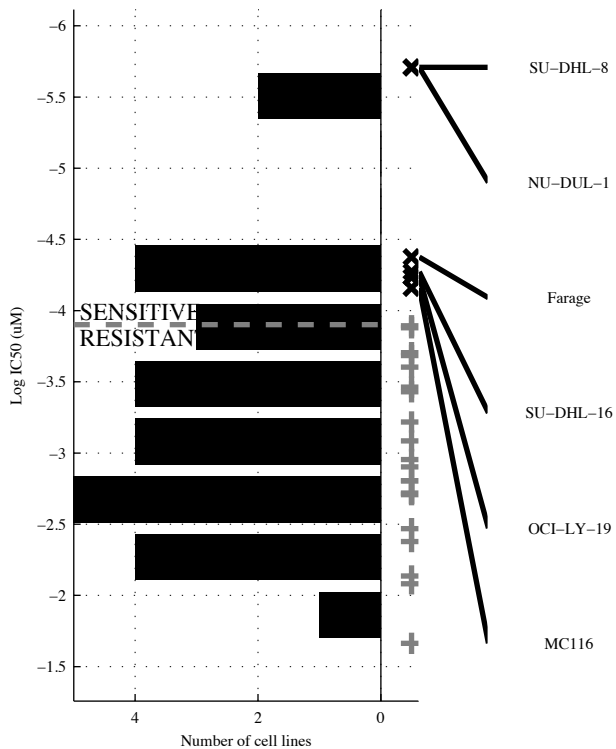
27 cell lines  
 10 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>Wnt-UP</b>	<b>-RNF43 &amp; Wnt-UP</b>	<b>-RNF43 &amp; Wnt-UP &amp; -IL-1-D</b>	<b>-CREBBP &amp; -PTEN &amp; TP53 &amp; -d16q23</b>	<b>Wnt-UP   H2O2-D</b>	<b>[-d16q23 &amp; Wnt-UP]   [ MLL2 &amp; MAPK P ]</b>	<b>Wnt-UP   H2O2-D</b>	<b>Wnt-UP   H2O2-D</b>
TP   FP	3   0	3   0	3   0	5   3	4   0	6   0	4   0	4   0
Specificity	1	1	1	0.82	1	1	1	1
FN   TN	7   17	7   17	7   17	5   14	6   17	4   17	6   17	6   17
Precision	1	1	1	0.63	1	1	1	1
Recall	0.3	0.3	0.3	0.5	0.4	0.6	0.4	0.4

DLBC  
 id: 197 name: Bryostatin 1  
 target: PRKC class: other

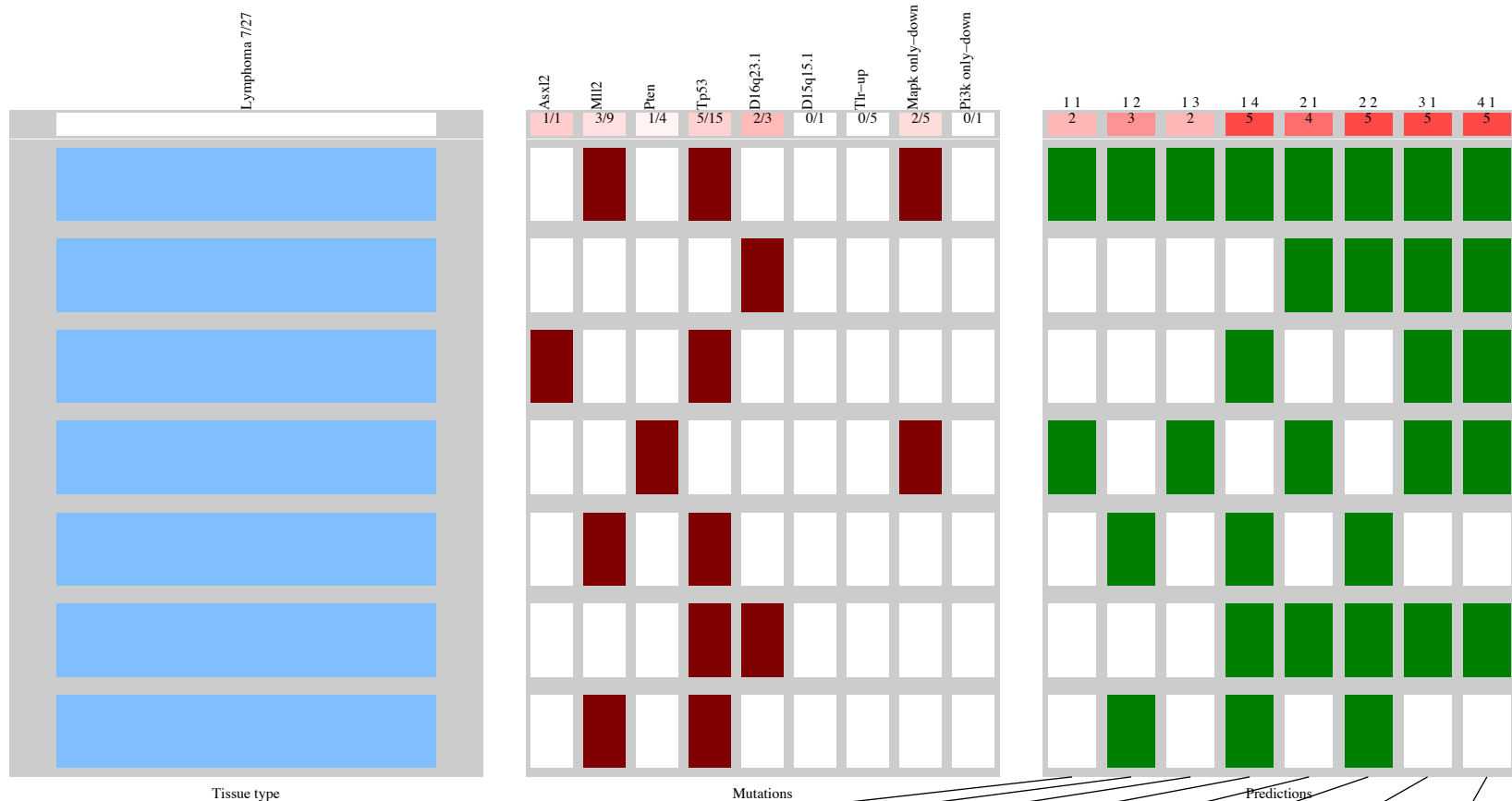
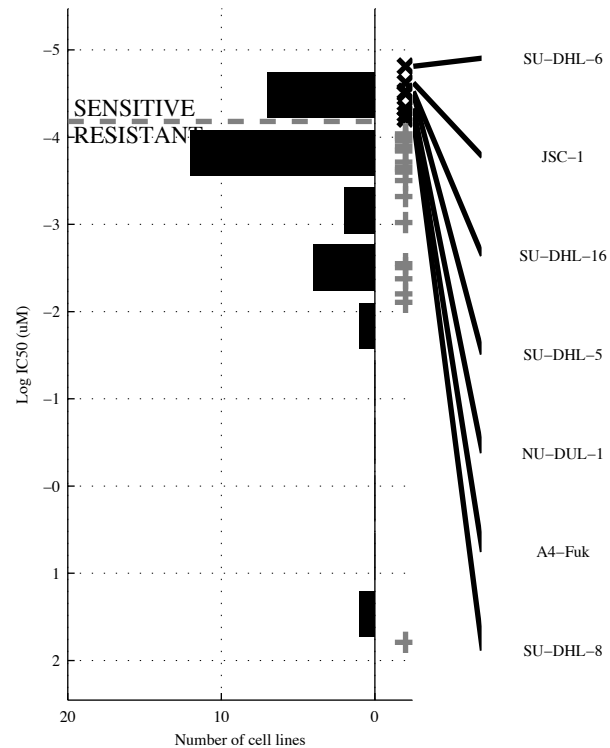
27 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>Wnt-UP</b>	<b>MLL2 &amp; TP53</b>	<b>-EP300 &amp; MLL2 &amp; TP53</b>	<b>-CREBBP &amp; -PTEN &amp; TP53 &amp; TLR-UP</b>	<b>d(CIT1)   Wnt-UP</b>	<b>[ CREBBP &amp; d(CDKN2A)   MLL2 &amp; TP53 ]</b>	<b>ASXL2   d(CIT1)   Wnt-UP</b>	<b>ASXL2   d(CIT1)   Wnt-UP</b>
TP   FP Specificity	1   2 0.9	2   3 0.86	2   2 0.9	4   4 0.81	2   2 0.9	4   4 0.81	3   2 0.9	3   2 0.9
FN   TN Precision	5   19 0.33	4   18 0.4	4   19 0.5	2   17 0.5	4   19 0.5	2   17 0.5	3   19 0.6	3   19 0.6
Recall	0.17	0.33	0.33	0.67	0.33	0.67	0.5	0.5

DLBC  
 id: 200 name: LAQ824  
 target: HDAC class: chromain histone acetylation

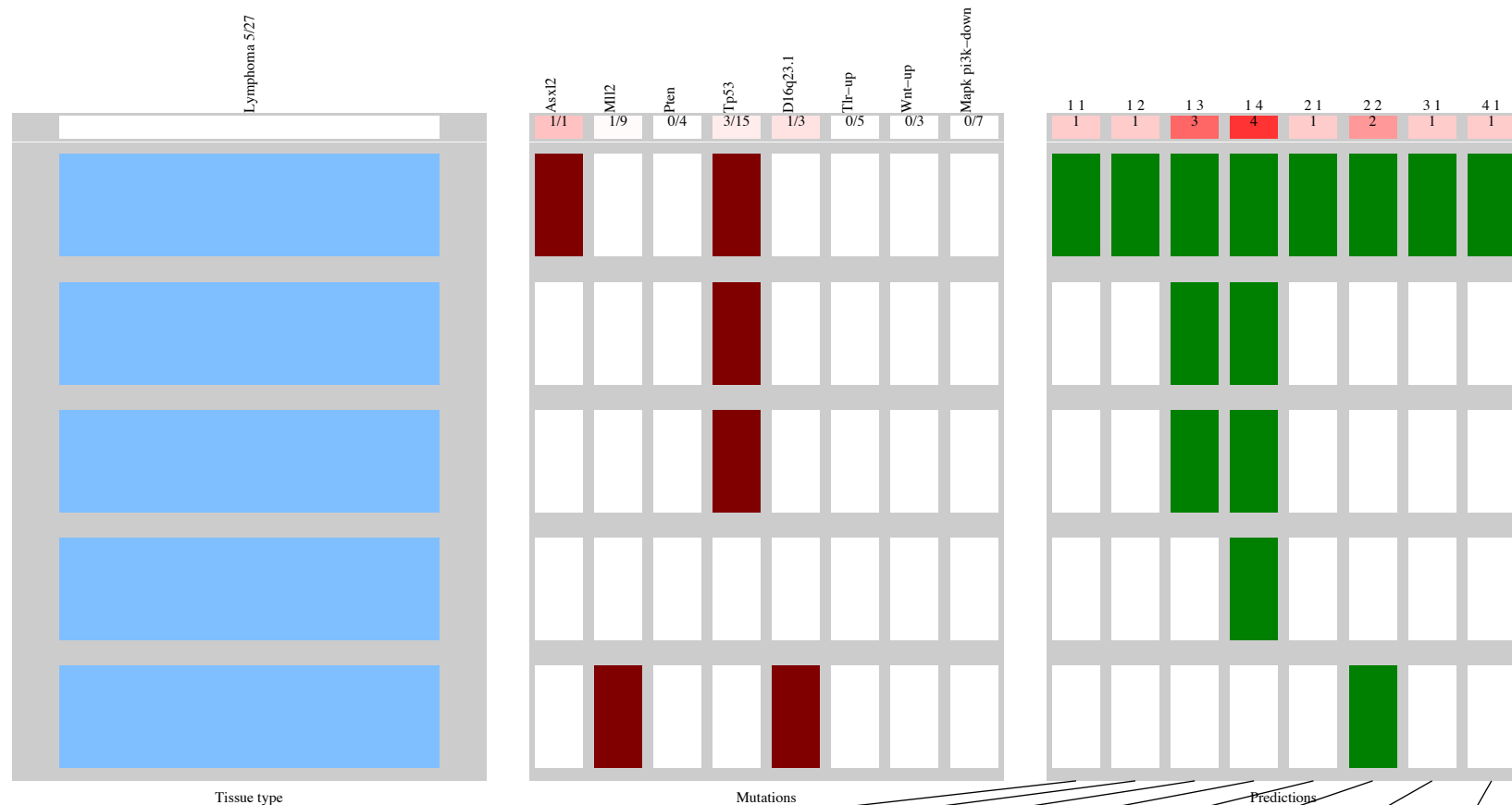
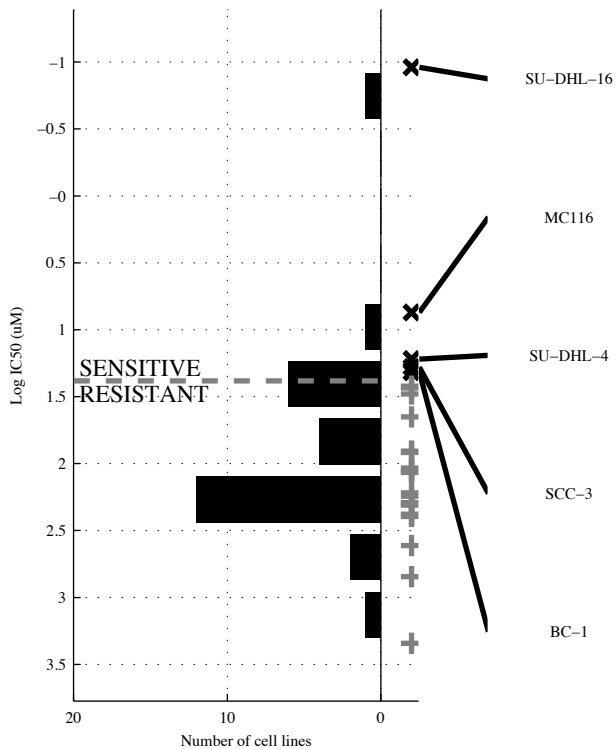
27 cell lines  
 7 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MAPK o</b>	<b>MLL2 &amp; TP53</b>	<b>-TLR-UP &amp; MAPK o &amp; -PI3K o</b>	<b>-PTEN &amp; TP53 &amp; -d15q15 &amp; TLR-UP</b>	<b>d16q23   MAPK o</b>	<b>[ MLL2 &amp; TP53 ]   [ -MLL2 &amp; d16q23 ]</b>	<b>ASXL2   d16q23   MAPK o</b>	<b>ASXL2   d16q23   MAPK o</b>
TP   FP Specificity	2   3 0.85	3   2 0.9	2   1 0.95	5   4 0.8	4   4 0.8	5   2 0.9	5   4 0.8	5   4 0.8
FN   TN Precision	5   17 0.4	4   18 0.6	5   19 0.67	2   16 0.56	3   16 0.5	2   18 0.71	2   16 0.56	2   16 0.56
Recall	0.29	0.43	0.29	0.71	0.57	0.71	0.71	0.71

DLBC  
 id: 202 name: GSK-1904529A  
 target: IGF1R class: IGFR signaling

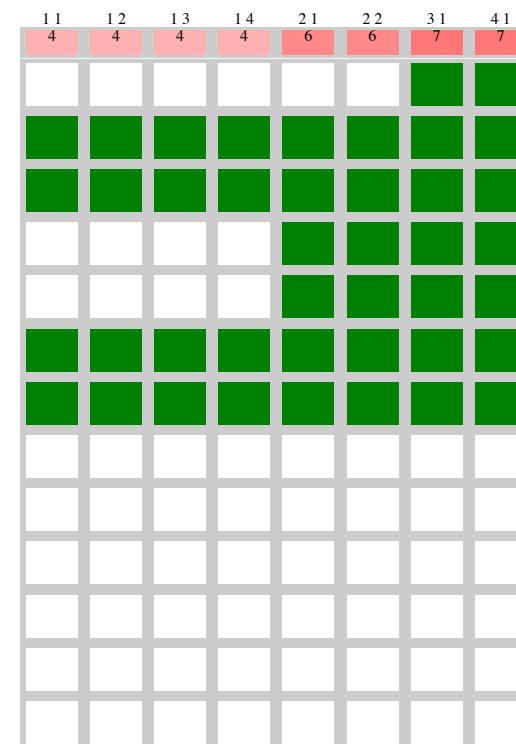
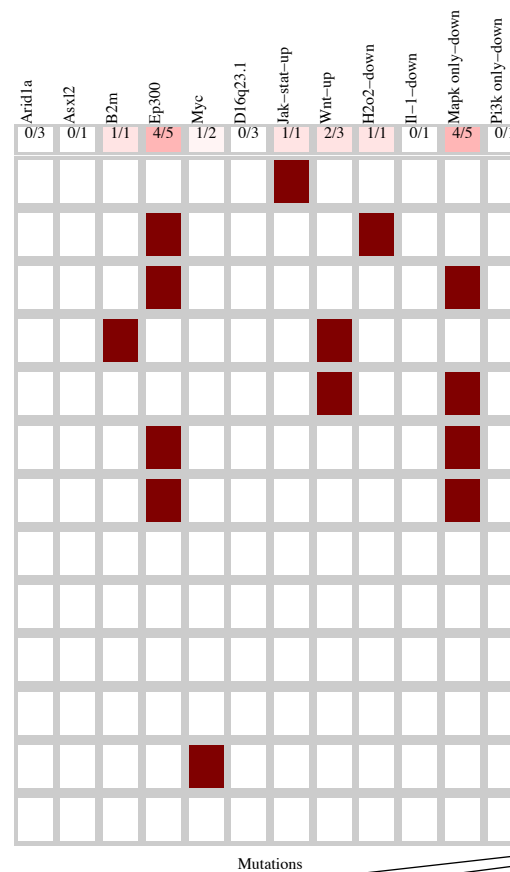
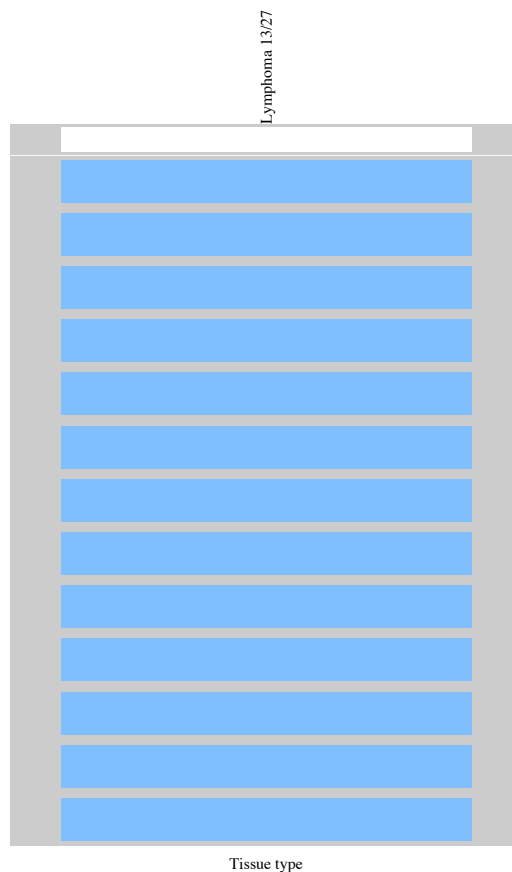
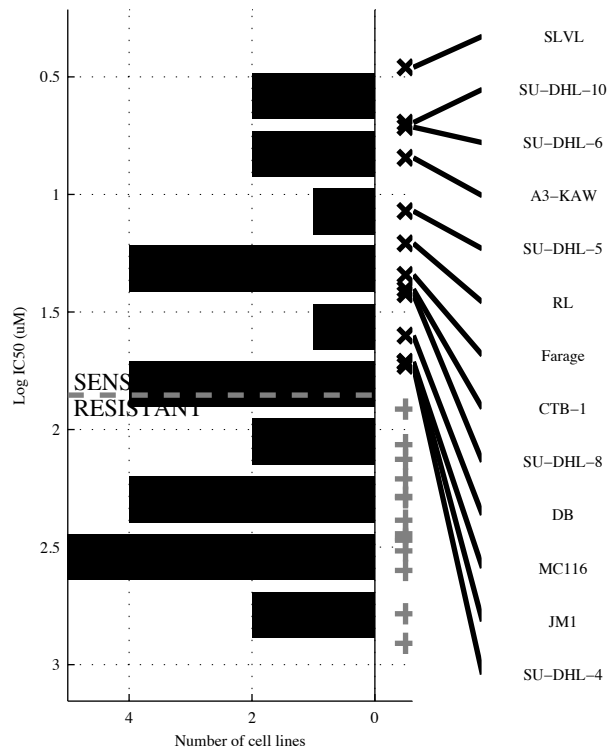
27 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>ASXL2</b>	<b>ASXL2 &amp;</b>	<b>¬PTEN &amp; TP53 &amp;</b> <b>¬MAPK P</b>	<b>¬MLL2 &amp; ¬PTEN &amp;</b> <b>¬TLR-UP &amp; MAPK P</b>	<b>ASXL2  </b>	<b>[ ASXL2 &amp; Wnt-UP ]</b> <b> </b> <b>[ MLL2 &amp; d16q23 ]</b>	<b>ASXL2  </b> <b> </b>	<b>ASXL2  </b> <b> </b>
TP   FP	1   0	1   0	3   4	4   3	1   0	2   0	1   0	1   0
Specificity	1	1	0.82	0.86	1	1	1	1
FN   TN	4   22	4   22	2   18	1   19	4   22	3   22	4   22	4   22
Precision	1	1	0.43	0.57	1	1	1	1
Recall	0.2	0.2	0.6	0.8	0.2	0.4	0.2	0.2

DLBC  
 id: 203 name: BMS-345541  
 target: IKBKB class: other

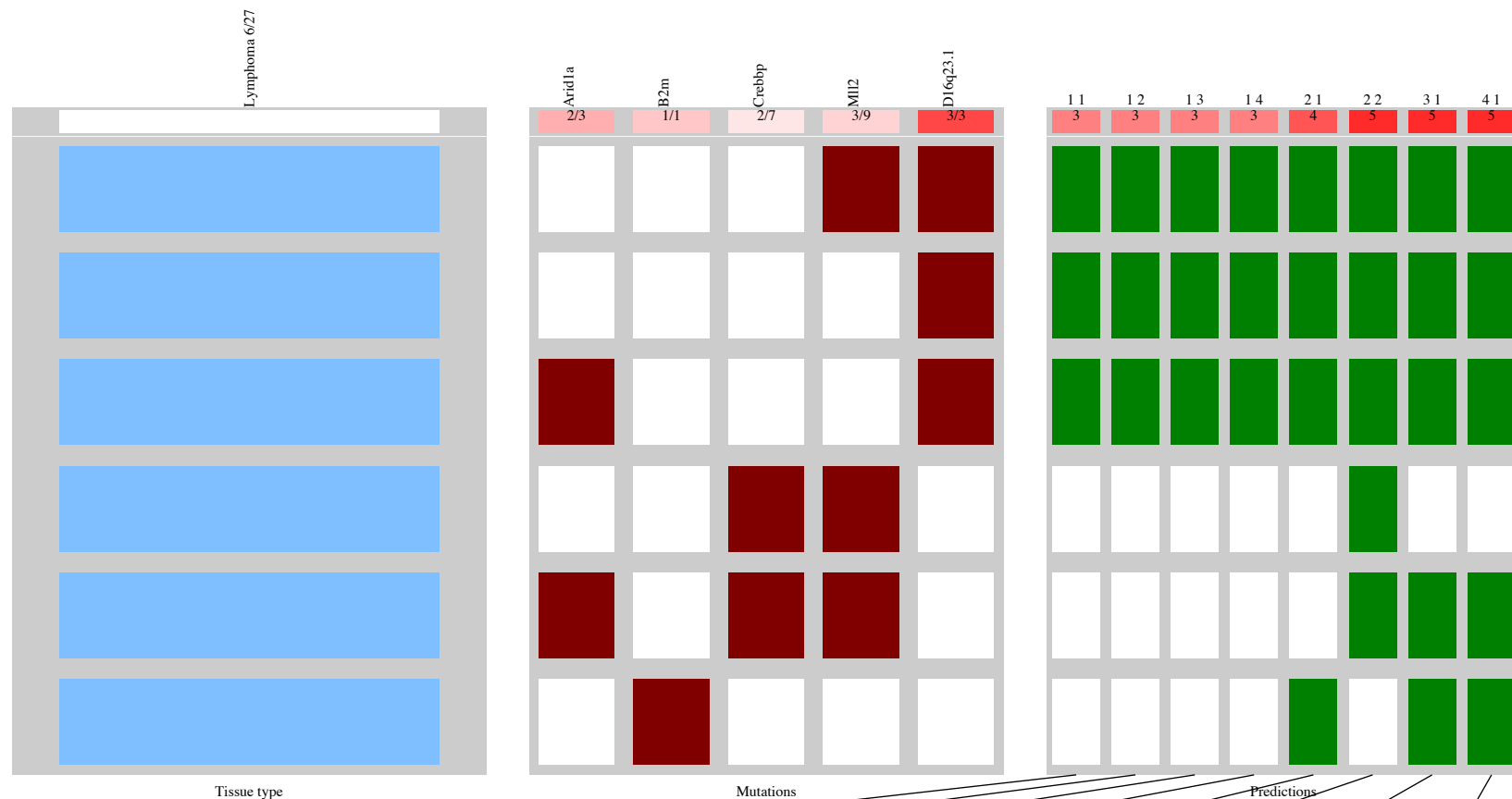
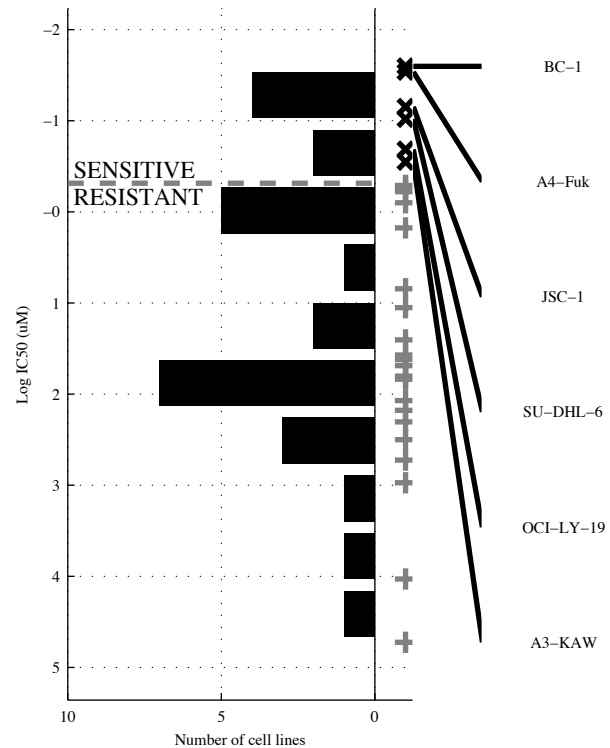
27 cell lines  
 13 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>EP300</b>	<b>~ARID1 &amp; EP300</b>	<b>~ARID1 &amp; EP300 &amp; ~d16q23</b>	<b>~ARID1 &amp; ~ASXL2 &amp; EP300 &amp; ~PI3K o</b>	<b>EP300   Wnt-UP</b>	<b>[ ~MYC &amp; Wnt-UP ]   [ EP300 &amp; ~IL-1-D ]</b>	<b>EP300   JAK-ST   Wnt-UP</b>	<b>B2M   JAK-ST   H2O2-D   MAPK o</b>
TP   FP	4   1	4   0	4   0	4   0	6   2	6   0	7   2	7   1
Specificity	0.93	1	1	1	0.86	1	0.86	0.93
FN   TN	9   13	9   14	9   14	9   14	7   12	7   14	6   12	6   13
Precision	0.8	1	1	1	0.75	1	0.78	0.88
Recall	0.31	0.31	0.31	0.31	0.46	0.46	0.54	0.54

DLBC  
 id: 204 name: Tipifarnib  
 target: Farnesyl-transferase (FNTA) class: other

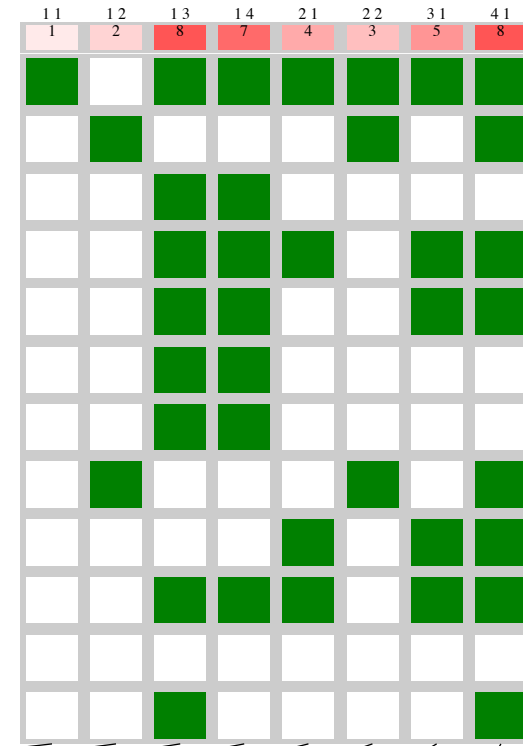
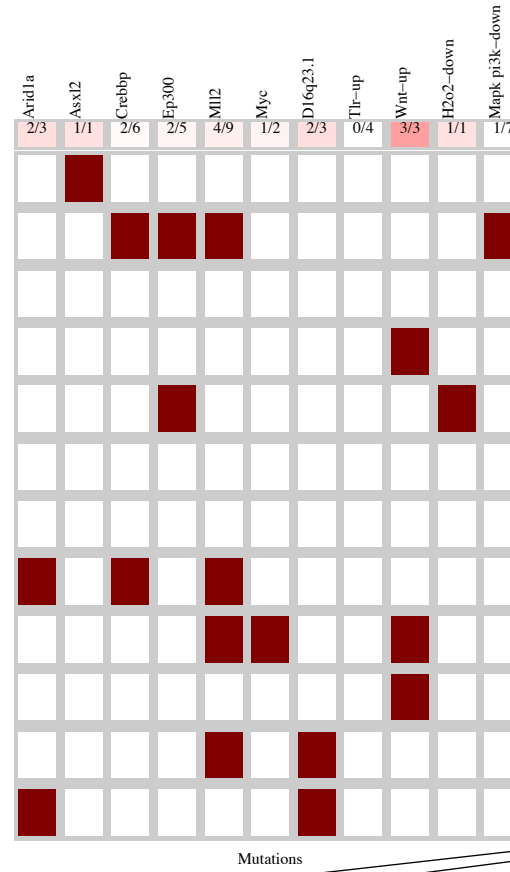
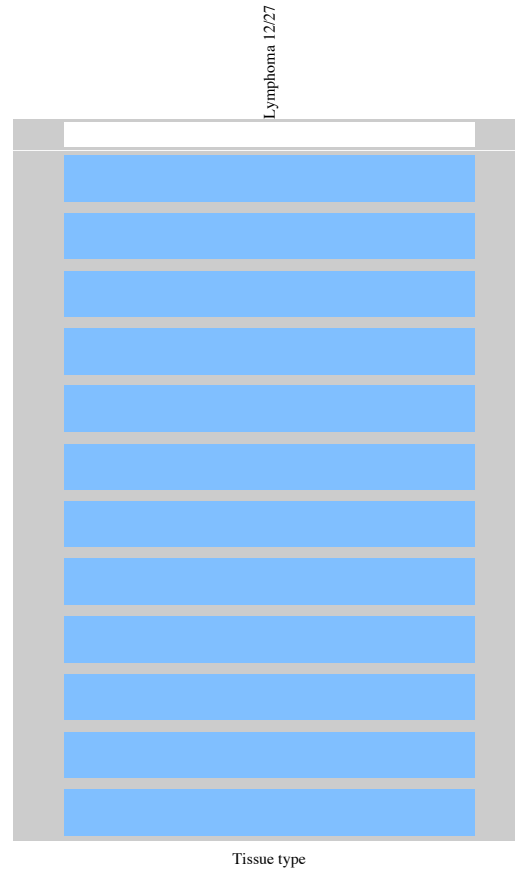
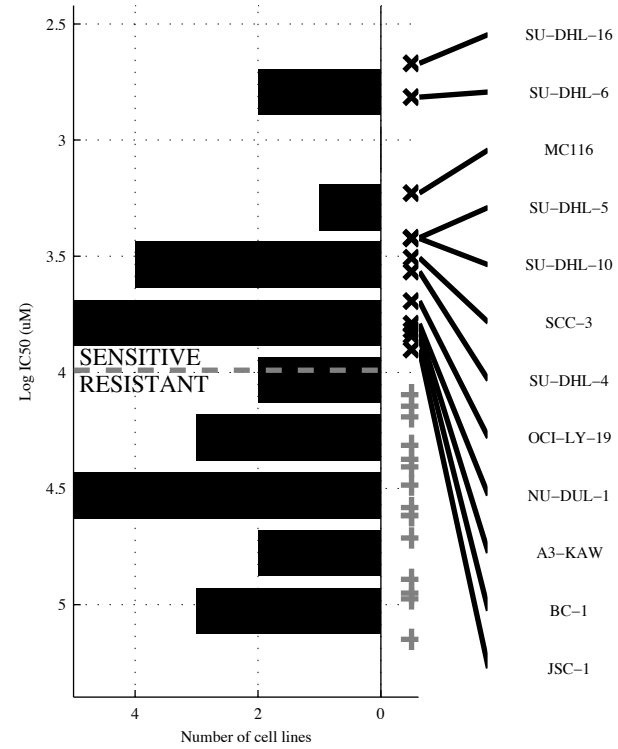
27 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d16q23</b>	<b>d16q23</b> &	<b>d16q23</b> & &	<b>d16q23</b> & & &	<b>B2M</b>   <b>d16q23</b>	[ <b>d16q23</b> &   ]   [ <b>CREBBI</b> & <b>MLL2</b> ]	<b>ARID1A</b>   <b>B2M</b>   <b>d16q23</b>	<b>ARID1A</b>   <b>B2M</b>   <b>d16q23</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{3}{3} \mid \frac{0}{21}$ 1 1 0.5	$\frac{3}{3} \mid \frac{0}{21}$ 1 1 0.5	$\frac{3}{3} \mid \frac{0}{21}$ 1 1 0.5	$\frac{3}{3} \mid \frac{0}{21}$ 1 1 0.5	$\frac{4}{2} \mid \frac{0}{21}$ 1 1 0.67	$\frac{5}{1} \mid \frac{0}{21}$ 1 1 0.83	$\frac{5}{1} \mid \frac{1}{20}$ 0.95 0.83	$\frac{5}{1} \mid \frac{1}{20}$ 0.95 0.83

DLBC  
 id: 205 name: BMS-708163  
 target: g-secretase class: other

27 cell lines  
 12 sensitive

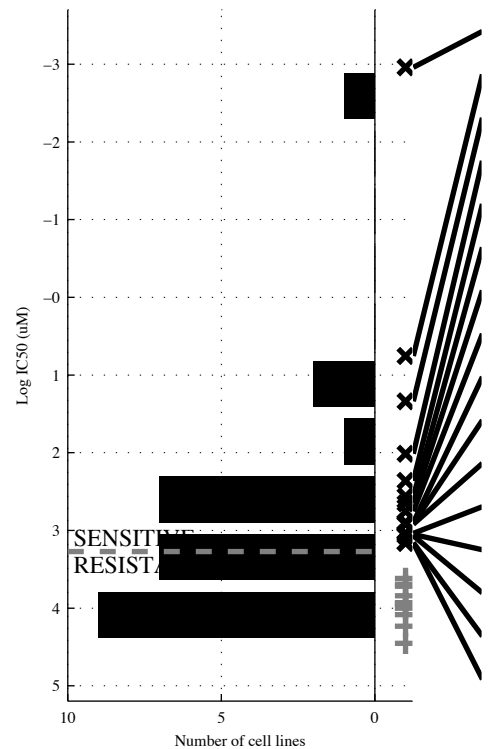


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>ASXL2</b>	<b>CREBBI &amp; MLL2</b>	<b>¬MLL2 &amp; TLR-UP &amp; ¬MAPK P</b>	<b>¬MLL2 &amp; d16q23 &amp; ¬TLR-UP &amp; MAPK P</b>	<b>ASXL2   Wnt-UP</b>	<b>[ CREBBI &amp; MLL2 ]   [ ASXL2 &amp; ¬MYC ]</b>	<b>ASXL2   Wnt-UP   H2O2-D</b>	<b>ARID1A   ASXL2   EP300   Wnt-UP</b>
TP   FP	1   0	2   0	8   3	7   2	4   0	3   0	5   0	8   3
Specificity	1	1	0.8	0.87	1	1	1	0.8
FN   TN	11   15	10   15	4   12	5   13	8   15	9   15	7   15	4   12
Precision	1	1	0.73	0.78	1	1	1	0.73
Recall	0.083	0.17	0.67	0.58	0.33	0.25	0.42	0.67

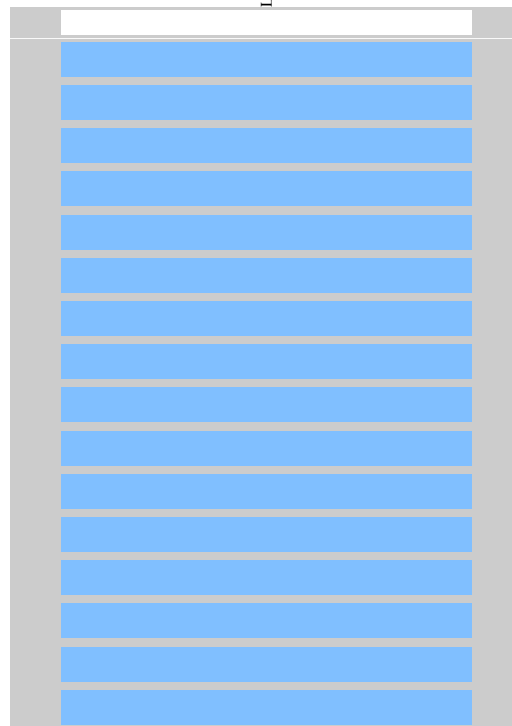
DLBC  
 id: 206 name: Ruxolitinib  
 target: JAK1, JAK2, TYK2 class: other

27 cell lines  
 16 sensitive

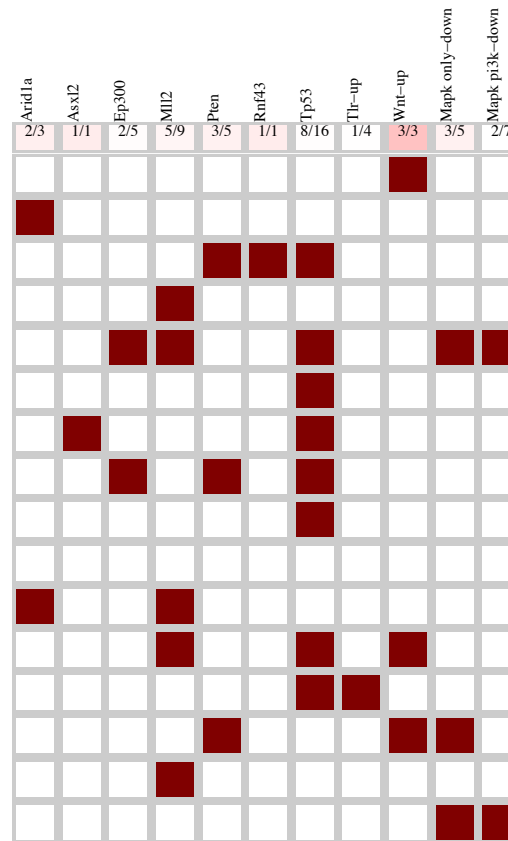
Lymphoma 16/27



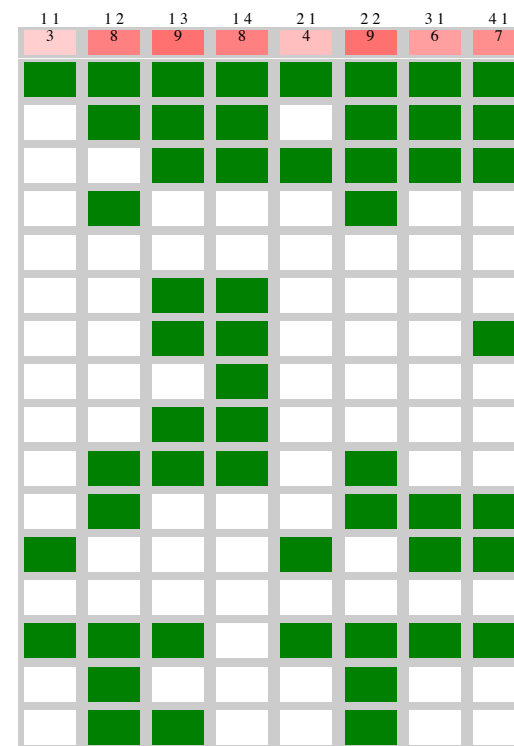
A3-KAW  
 JSC-1  
 TUR  
 BC-1  
 SU-DHL-6  
 MC116  
 SU-DHL-16  
 SU-DHL-10  
 SU-DHL-4  
 SCC-3  
 OCI-LY-19  
 NU-DUL-1  
 SLVL  
 SU-DHL-5  
 JM1  
 VAL



Tissue type



Mutations



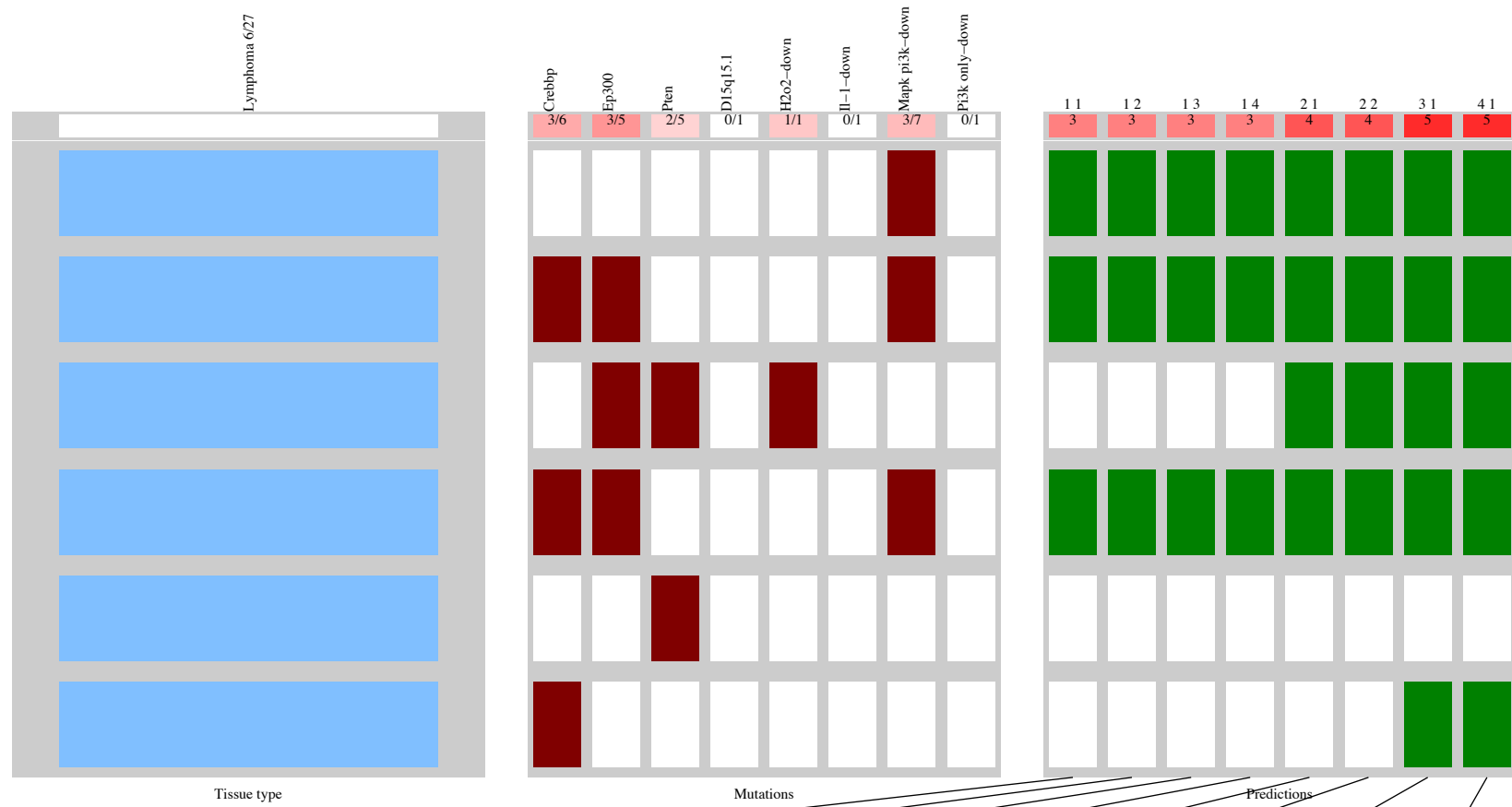
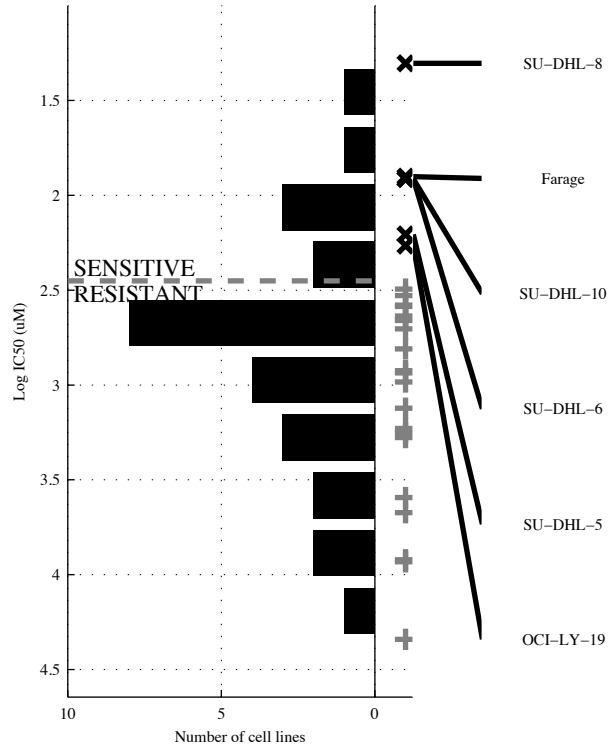
Predictions

Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	Wnt-UP	-TP53 & TLR-UP	-EP300 & -MLL2 & -TLR-UP	-MLL2 & TLR-UP & -MAPK & MAPK P	RNF43   Wnt-UP	[ -EP300 & PTEN ]   [ -TP53 & TLR-UP ]	ARID1A   RNF43   Wnt-UP	ARID1A   ASXL2   RNF43   Wnt-UP
TP   FP Specificity	3   0 1	8   1 0.91	9   2 0.82	8   1 0.91	4   0 1	9   1 0.91	6   1 0.91	7   1 0.91
FN   TN Precision	13   11 1	8   10 0.89	7   9 0.82	8   10 0.89	12   11 1	7   10 0.9	10   10 0.86	9   10 0.88
Recall	0.19	0.5	0.56	0.5	0.25	0.56	0.38	0.44



DLBC  
 id: 211 name: TL-2-105  
 target: CRAF class: ERK MAPK signaling

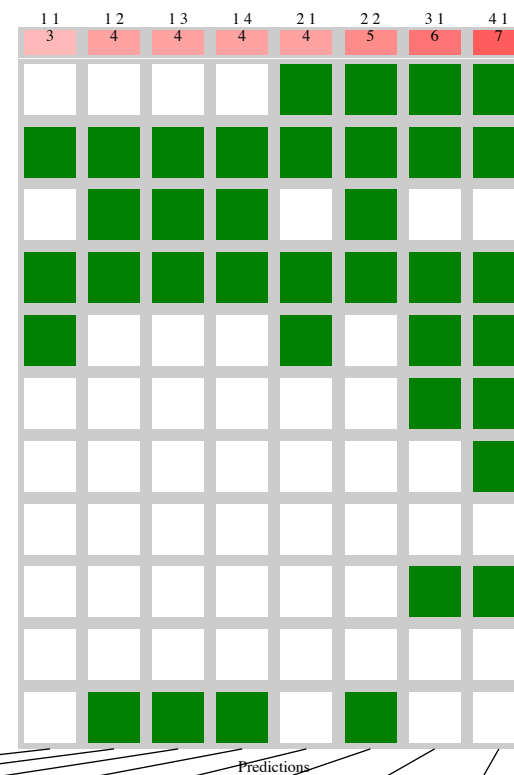
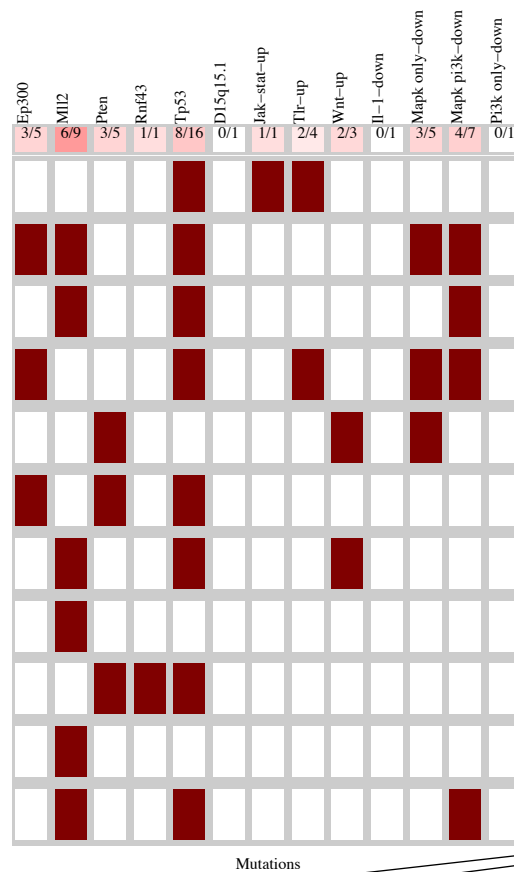
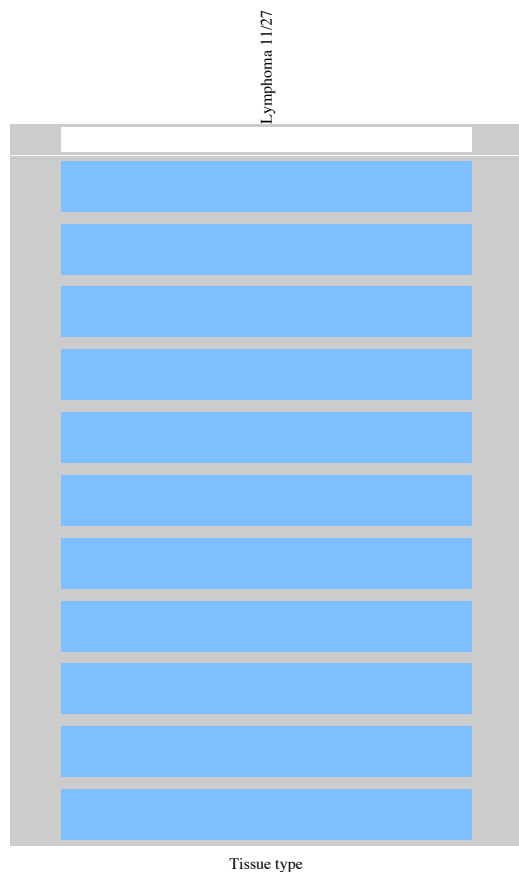
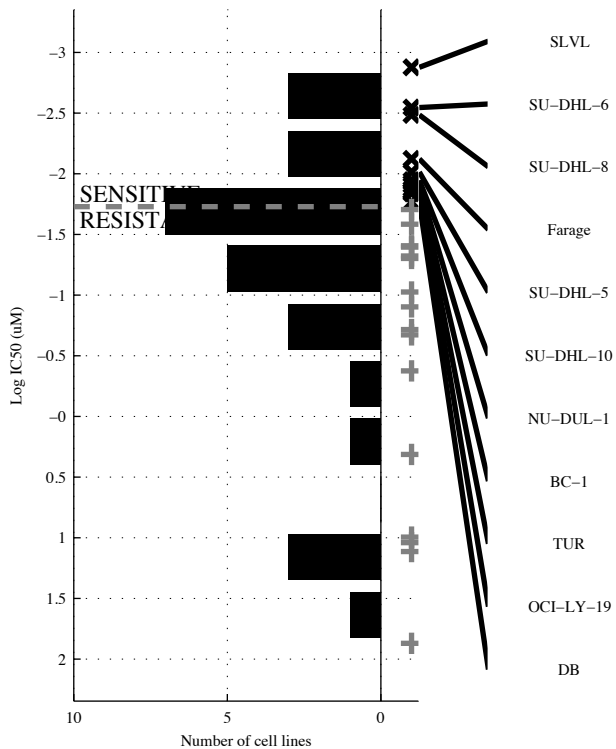
27 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MAPK P</b>	<del>IL-1-D</del> & <b>MAPK P</b>	<del>PTEN</del> & <del>d15q15</del> & <b>MAPK P</b>	<del>d15q15</del> & <del>IL-1-D</del> & <b>MAPK P</b> & <del>PI3K o</del>	<b>H2O2-D</b> & <b>MAPK P</b>	[ <b>EP300</b> & <del>IL-1-D</del> ]   [ <del>CREBBP</del> & <b>MAPK P</b> ]	<b>CREBBP</b> & <b>H2O2-D</b> & <b>MAPK P</b>	<b>CREBBP</b> & <b>H2O2-D</b> & <b>MAPK P</b>
TP   FP	3   4	3   3	3   2	3   1	4   4	4   2	5   4	5   4
Specificity	0.81	0.86	0.9	0.95	0.81	0.9	0.81	0.81
FN   TN	3   17	3   18	3   19	3   20	2   17	2   19	1   17	1   17
Precision	0.43	0.5	0.6	0.75	0.5	0.67	0.56	0.56
Recall	0.5	0.5	0.5	0.5	0.67	0.67	0.83	0.83

DLBC  
 id: 219 name: AT-7519  
 target: CDK9 class: cell cycle

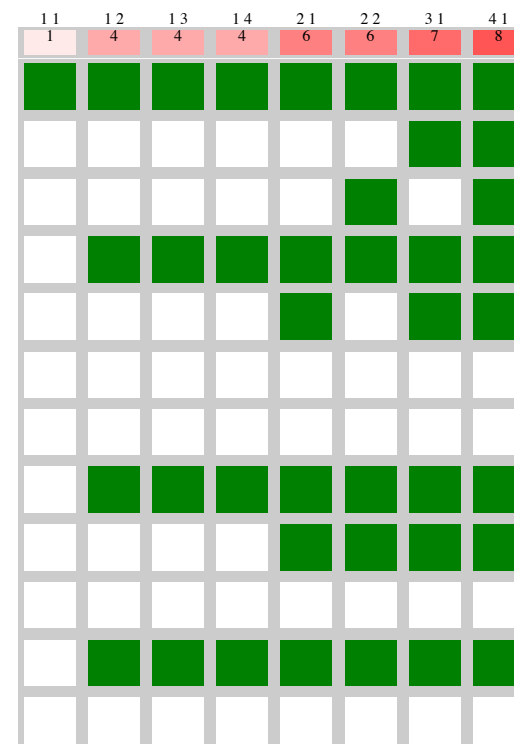
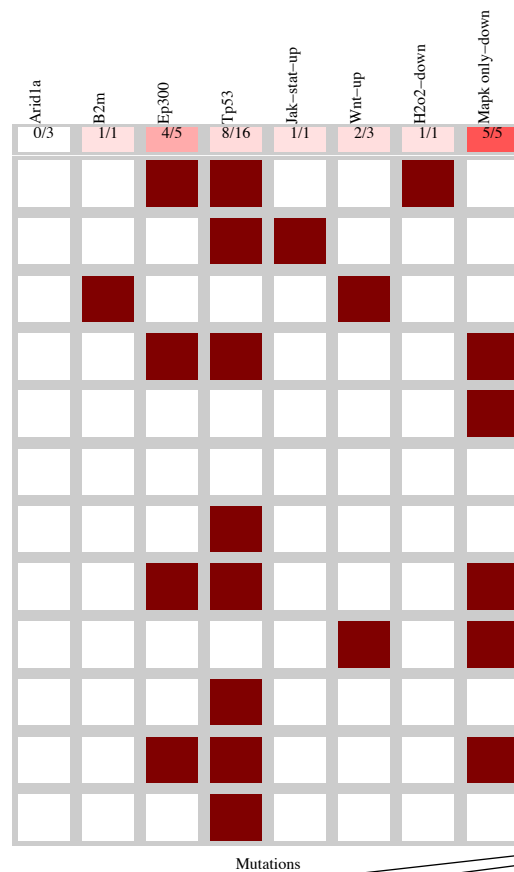
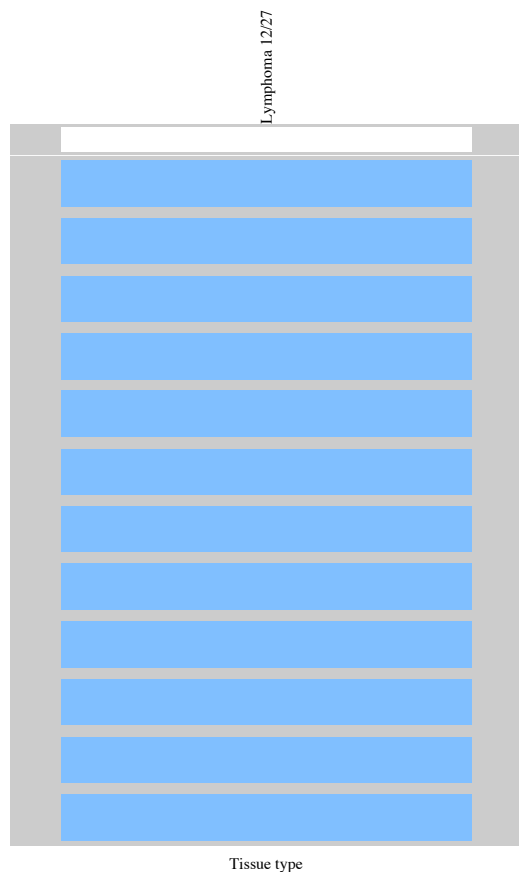
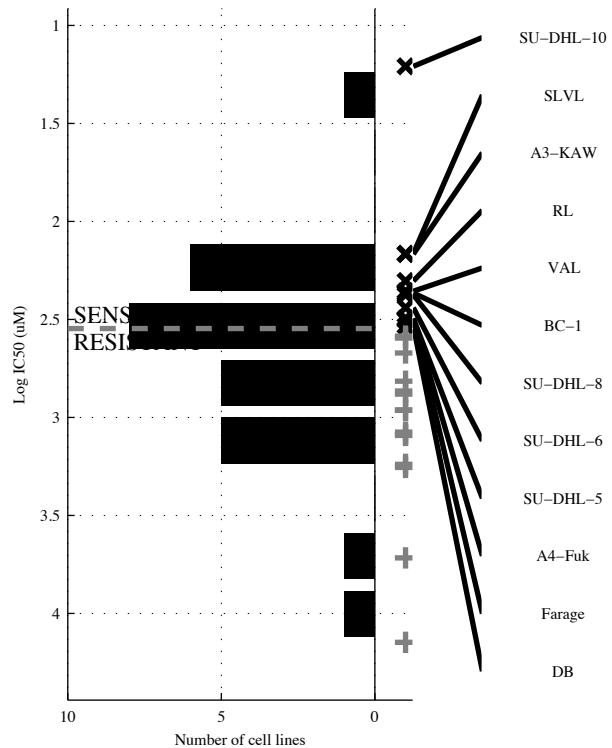
27 cell lines  
 11 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>MAPK o</b>	<b>~d15q15&amp;&amp;MAPK P</b>	<b>TP53 &amp;~d15q15&amp;</b> <b>MAPK P</b>	<b>~d15q15&amp;~IL-1-D&amp;</b> <b>MAPK R&amp;~PI3K o</b>	<b>JAK-STIMAPK o</b>	<b>[ MLL2 &amp;MAPK P ]</b>   <b>[ TP53 &amp;TLR-UP ]</b>	<b>EP300   PTEN  </b> <b>JAK-ST</b>	<b>EP300   RNF43  </b> <b>JAK-ST Wnt-UP</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{3}{8} \mid \frac{2}{14}$ 0.88 0.6 0.27	$\frac{4}{7} \mid \frac{2}{14}$ 0.88 0.67 0.36	$\frac{4}{7} \mid \frac{1}{15}$ 0.94 0.8 0.36	$\frac{4}{7} \mid \frac{0}{16}$ 1 1 0.36	$\frac{4}{7} \mid \frac{2}{14}$ 0.88 0.67 0.36	$\frac{5}{6} \mid \frac{0}{16}$ 1 1 0.45	$\frac{6}{5} \mid \frac{2}{14}$ 0.88 0.75 0.55	$\frac{7}{4} \mid \frac{3}{13}$ 0.81 0.7 0.64

DLBC  
 id: 221 name: TAK-715  
 target: p38a class: JNK and p38 signaling

27 cell lines  
 12 sensitive

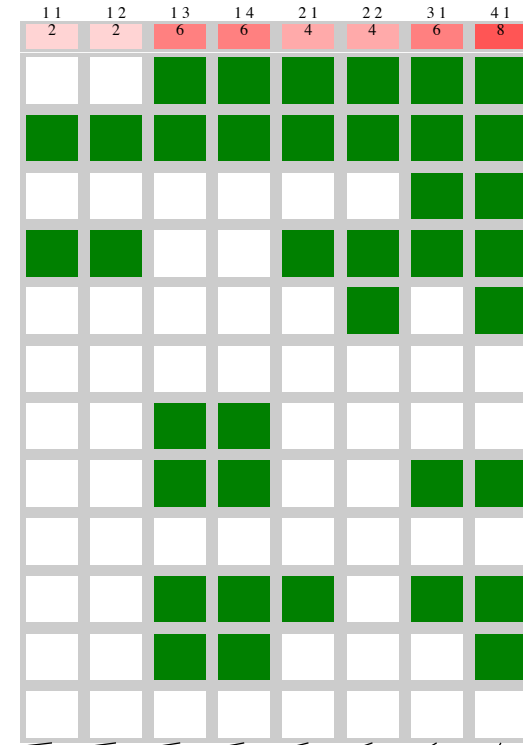
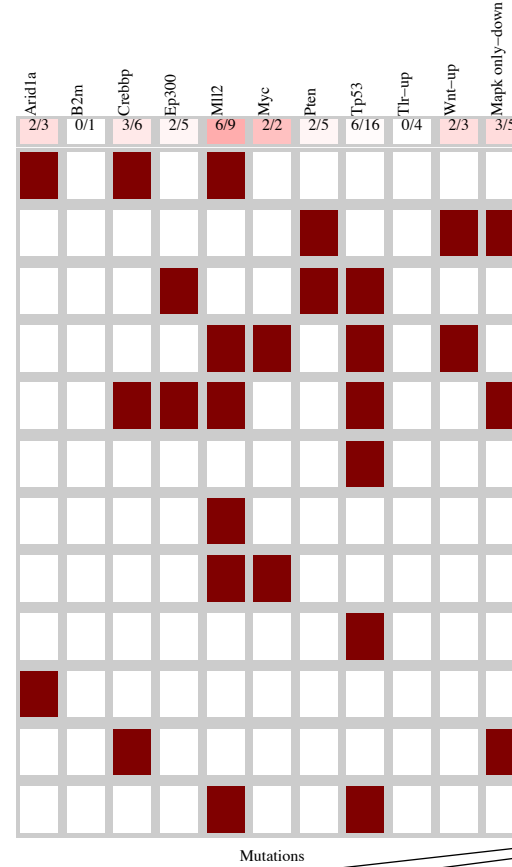
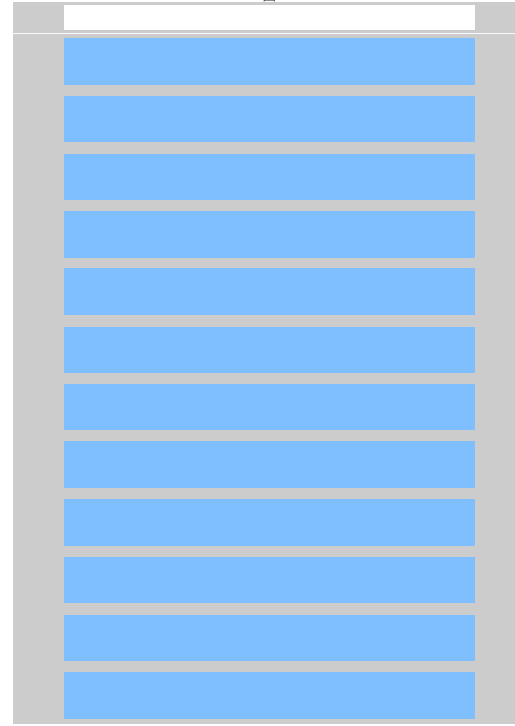
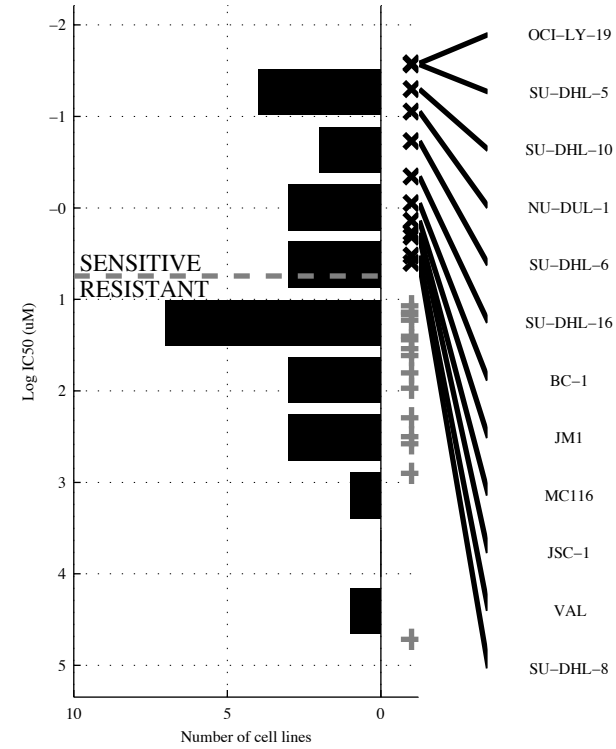


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>H2O2-D</b>	<b>-ARID1 &amp; EP300</b>	<b>-ARID1 &amp; EP300 &amp;</b>	<b>-ARID1 &amp; EP300 &amp;</b>	<b>H2O2-D   MAPK o</b>	<b>[ -ARID1 &amp; EP300 ]</b> <b> </b> <b>[ -TP53 &amp; Wnt-UP ]</b>	<b>JAK-ST   H2O2-D  </b> <b>MAPK o</b>	<b>B2M   JAK-ST  </b> <b>H2O2-D   MAPK o</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{11} \mid \frac{0}{15}$ 1 0.083	$\frac{4}{8} \mid \frac{0}{15}$ 1 0.33	$\frac{4}{8} \mid \frac{0}{15}$ 1 0.33	$\frac{4}{8} \mid \frac{0}{15}$ 1 0.33	$\frac{6}{6} \mid \frac{0}{15}$ 1 0.5	$\frac{6}{6} \mid \frac{0}{15}$ 1 0.5	$\frac{7}{5} \mid \frac{0}{15}$ 1 0.58	$\frac{8}{4} \mid \frac{0}{15}$ 1 0.67

DLBC  
 id: 222 name: BX-912  
 target: PDPK1 (PDK1) class: PI3K signaling

27 cell lines  
 12 sensitive

Lymphoma 12/27

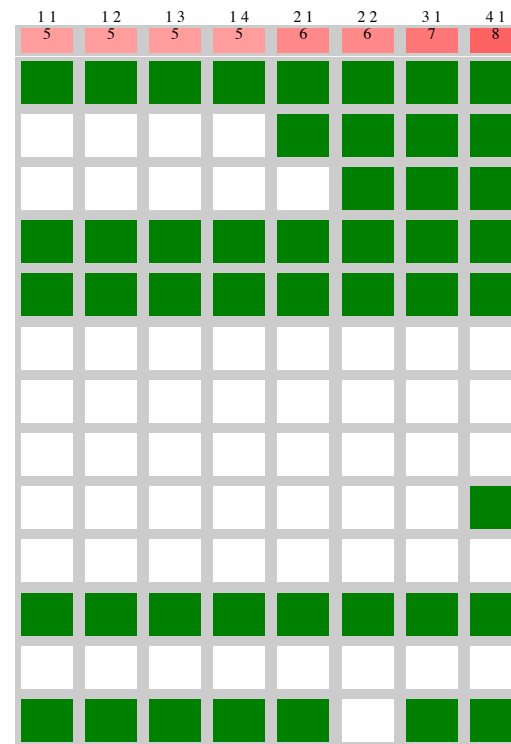
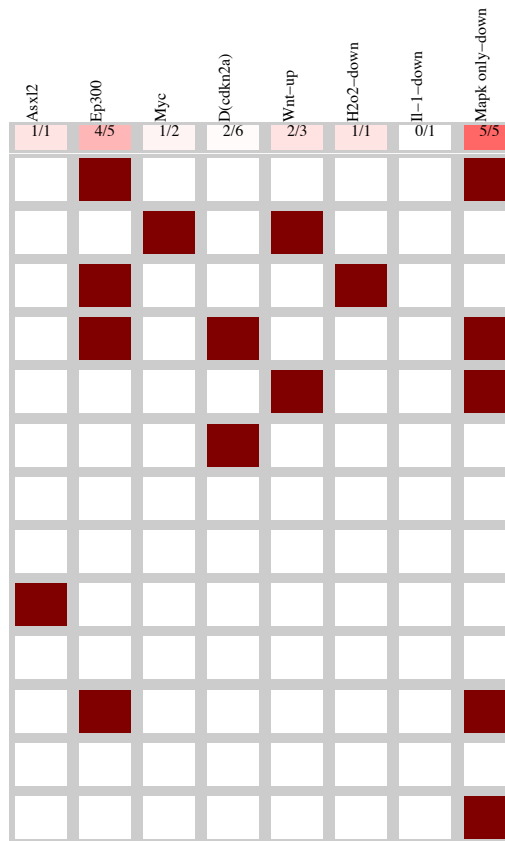
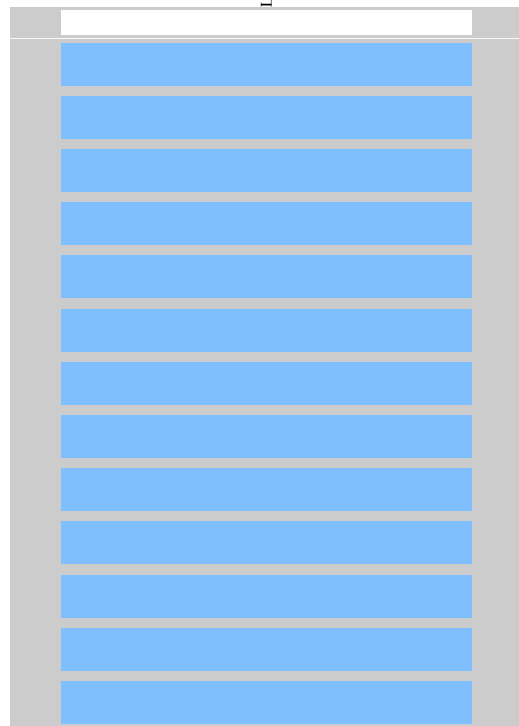
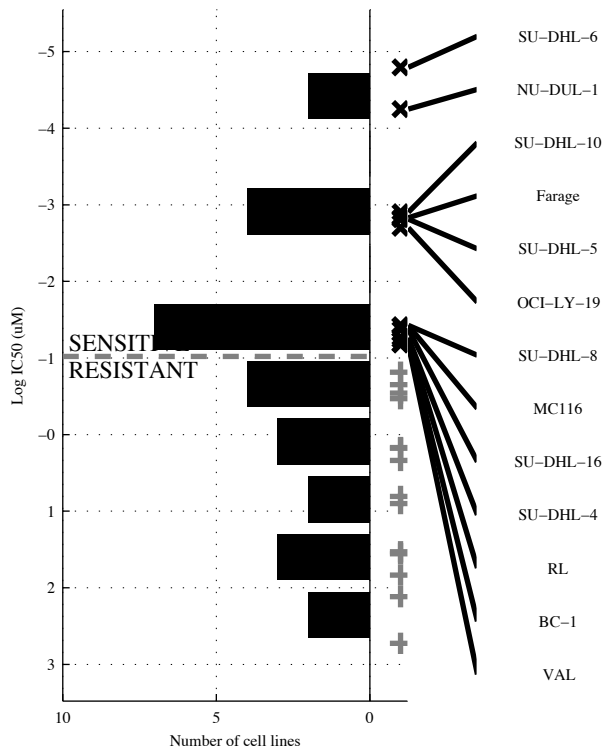


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>Wnt-UP</b>	<b>-B2M &amp; Wnt-UP</b>	<b>-B2M &amp; -TP53 &amp; -TLR-UP</b>	<b>-B2M &amp; -TP53 &amp; -TLR-UP</b>	<b>ARID1A   Wnt-UP</b>	<b>[ -B2M &amp; Wnt-UP ]   [ CREBBI &amp; MLL2 ]</b>	<b>ARID1A   MYC   PTEN</b>	<b>ARID1A   EP300   MYC   MAPK o</b>
TP   FP	2   1	2   0	6   2	6   2	4   2	4   0	6   3	8   3
Specificity	0.93	1	0.87	0.87	0.87	1	0.8	0.8
FN   TN	10   14	10   15	6   13	6   13	8   13	8   15	6   12	4   12
Precision	0.67	1	0.75	0.75	0.67	1	0.67	0.73
Recall	0.17	0.17	0.5	0.5	0.33	0.33	0.5	0.67

DLBC  
 id: 223 name: ZSTK474  
 target: PI3K class: PI3K signaling

27 cell lines  
 13 sensitive

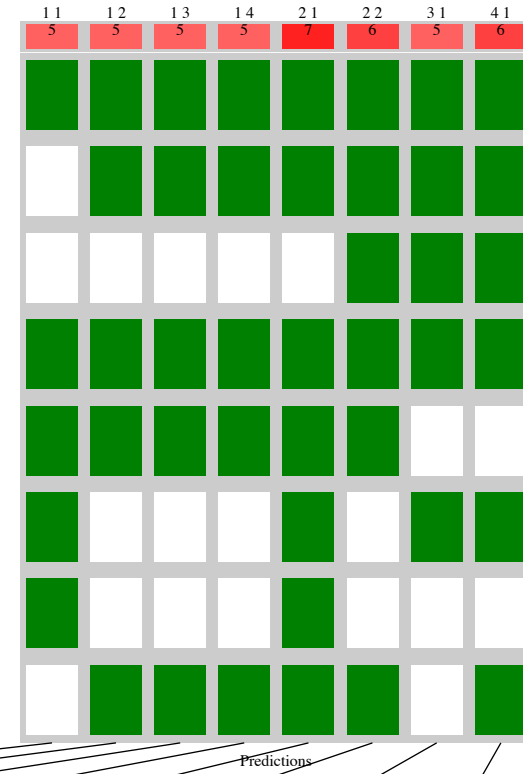
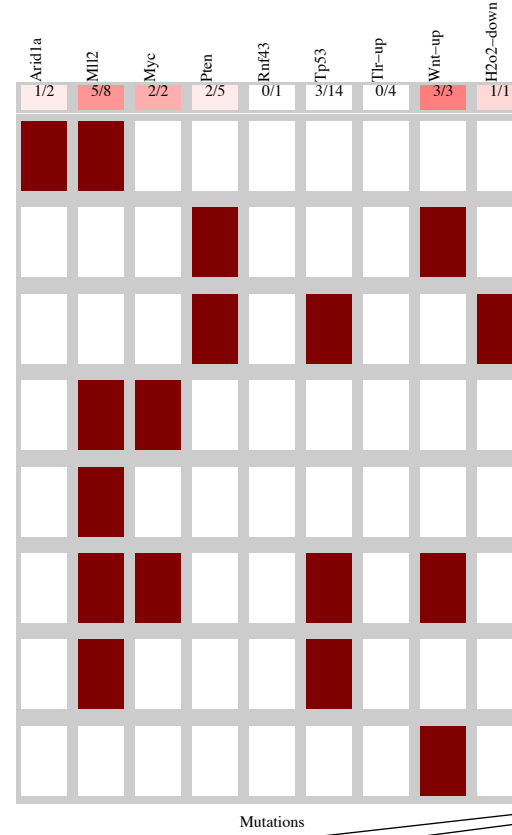
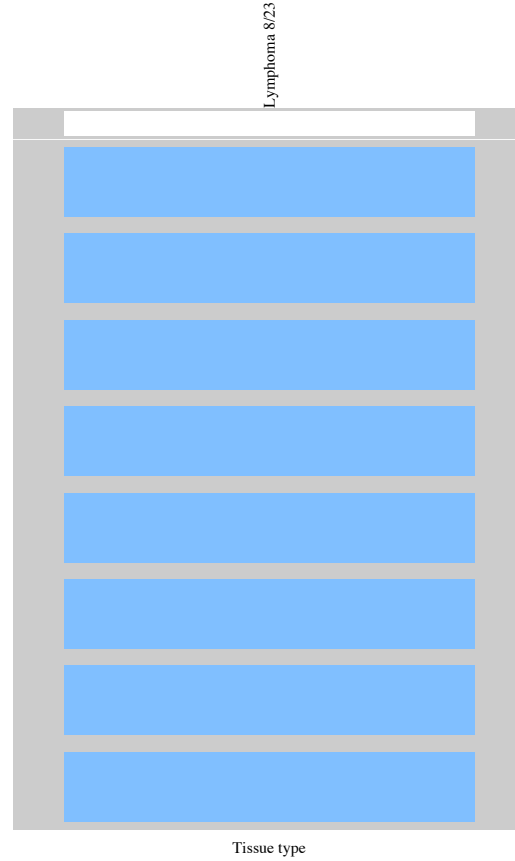
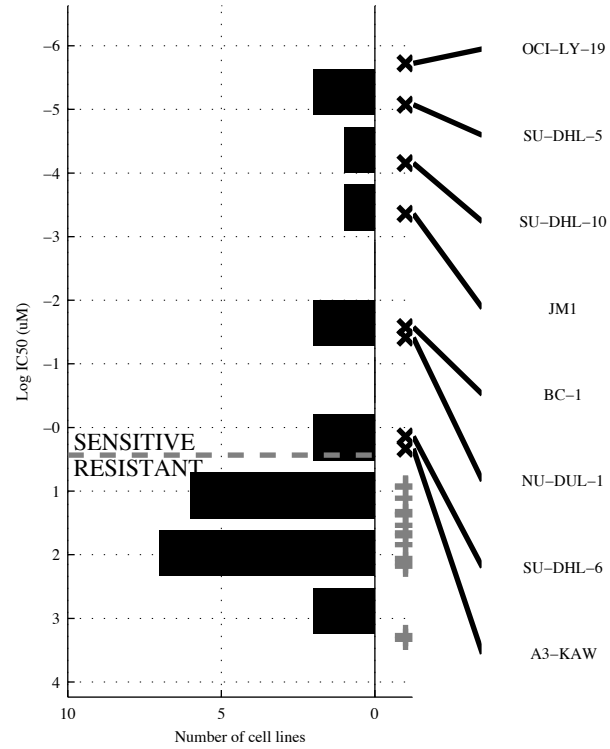
Lymphoma 13/27



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>MAPK o</b>	<b>MAPK &amp;</b>	<b>MAPK &amp; &amp;</b>	<b>MAPK &amp; &amp;</b>	<b>MYC  MAPK o</b>	<b>[ EP300 &amp;IL-1-D]</b>   <b>[d(CDKN2A) &amp;Wnt-UP]</b>	<b>MYC  H2O2-D </b>  <b>MAPK o</b>	<b>ASXL2   MYC  </b>  <b>H2O2-D MAPK o</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{5}{8} \mid \frac{0}{14}$ 1 0.38	$\frac{5}{8} \mid \frac{0}{14}$ 1 0.38	$\frac{5}{8} \mid \frac{0}{14}$ 1 0.38	$\frac{5}{8} \mid \frac{0}{14}$ 1 0.38	$\frac{6}{7} \mid \frac{1}{13}$ 0.93 0.86 0.46	$\frac{6}{7} \mid \frac{0}{14}$ 1 0.46	$\frac{7}{6} \mid \frac{1}{13}$ 0.93 0.88 0.54	$\frac{8}{5} \mid \frac{1}{13}$ 0.93 0.89 0.62

DLBC  
 id: 226 name: GSK1070916  
 target: AURKB class: mitosis

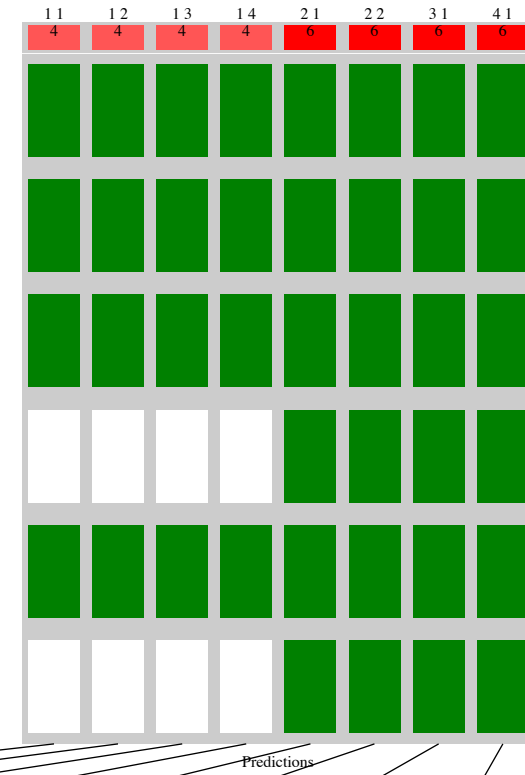
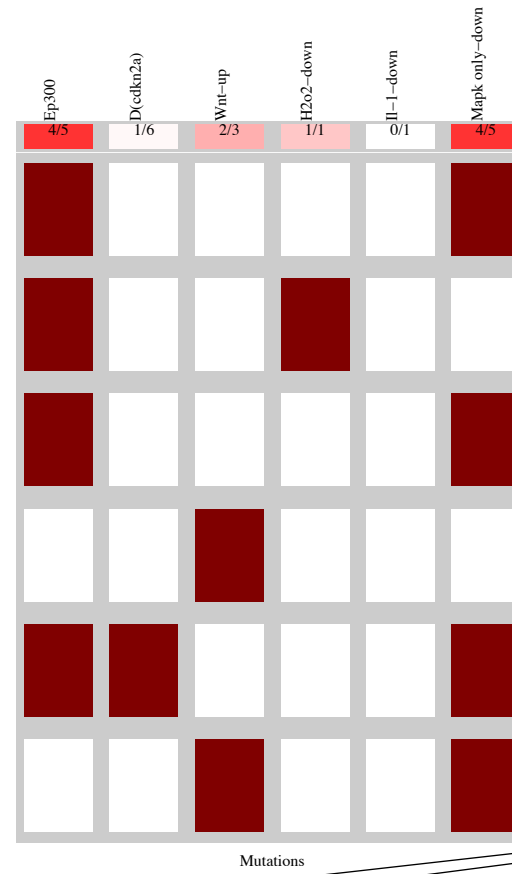
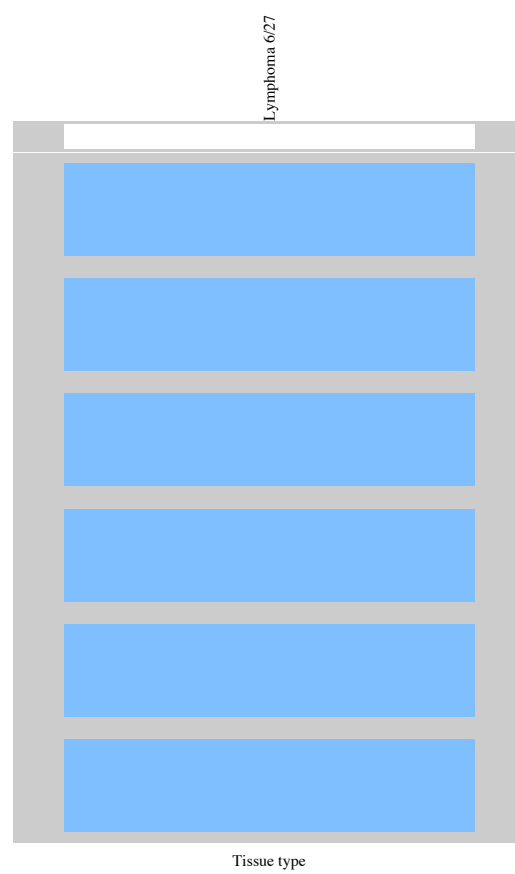
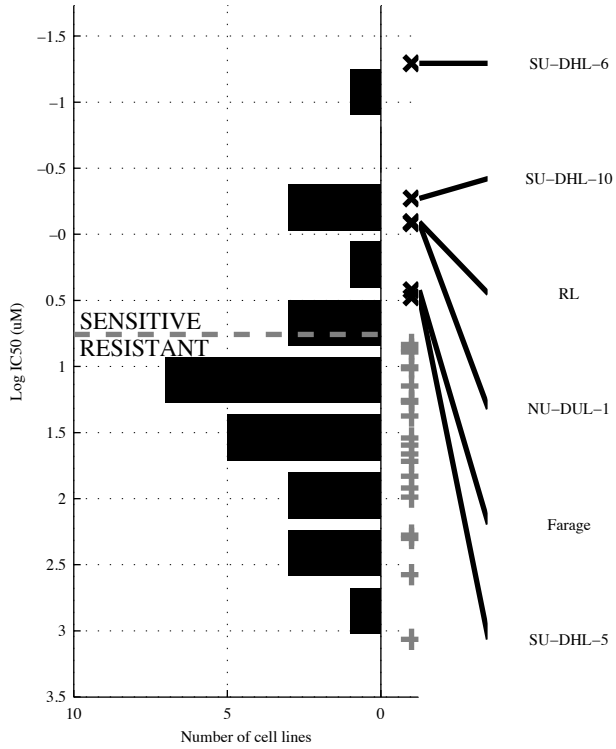
23 cell lines  
 8 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MLL2</b>	<b>-TP53 &amp; TLR-UP</b>	<b>-TP53 &amp; TLR-U&amp;</b>	<b>-RNF43&amp; -TP53 &amp; -TLR-U&amp;</b>	<b>MLL2   Wnt-UP</b>	<b>[ -TP53 &amp; TLR-UP ]   [ H2O2-D&amp; ]</b>	<b>ARID1A   MYC   PTEN</b>	<b>ARID1A   MYC   Wnt-UP   H2O2-D</b>
TP   FP	5   3	5   2	5   2	5   2	7   3	6   2	5   3	6   1
Specificity	0.8	0.87	0.87	0.87	0.8	0.87	0.8	0.93
FN   TN	3   12	3   13	3   13	3   13	1   12	2   13	3   12	2   14
Precision	0.63	0.71	0.71	0.71	0.7	0.75	0.63	0.86
Recall	0.63	0.63	0.63	0.63	0.88	0.75	0.63	0.75

DLBC  
 id: 228 name: KIN001-102  
 target: AKT1 class: PI3K signaling

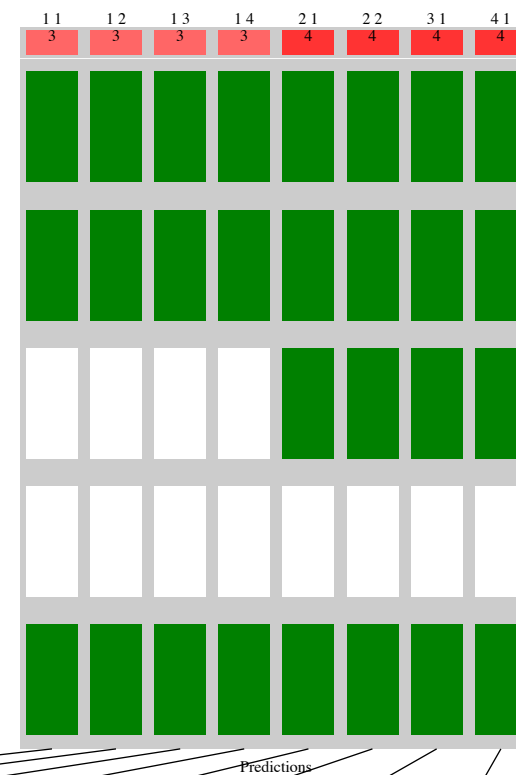
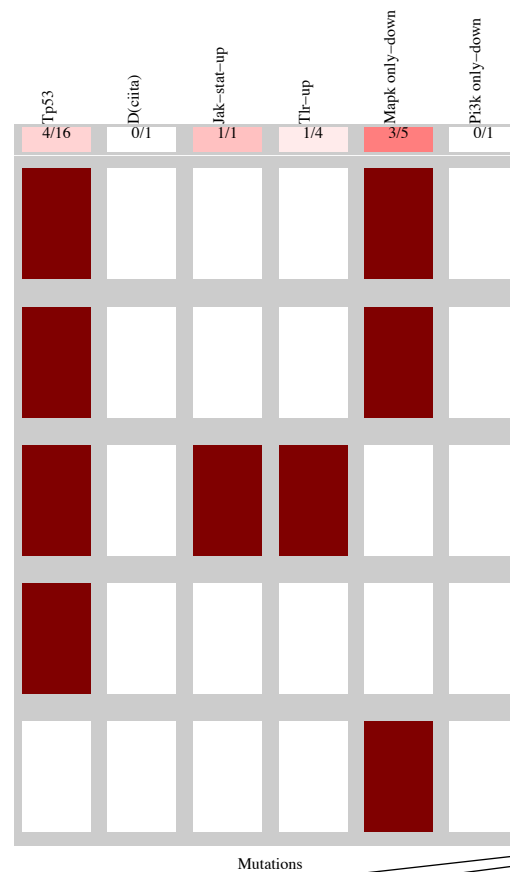
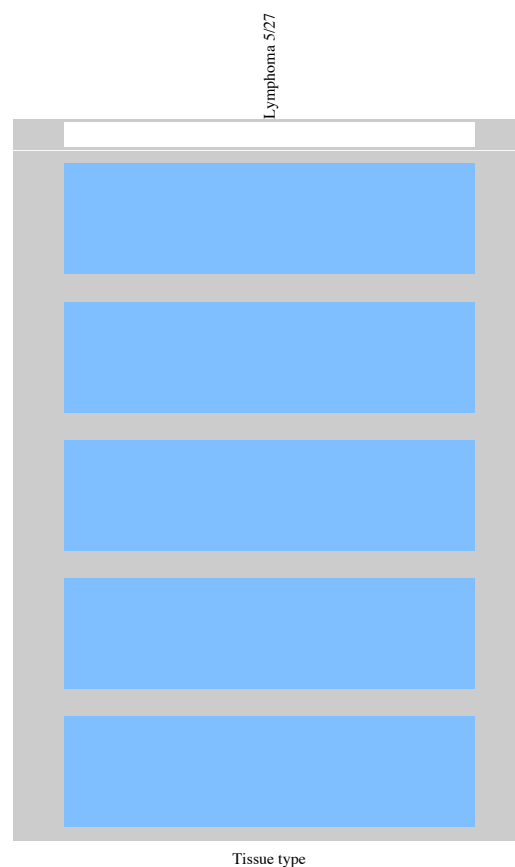
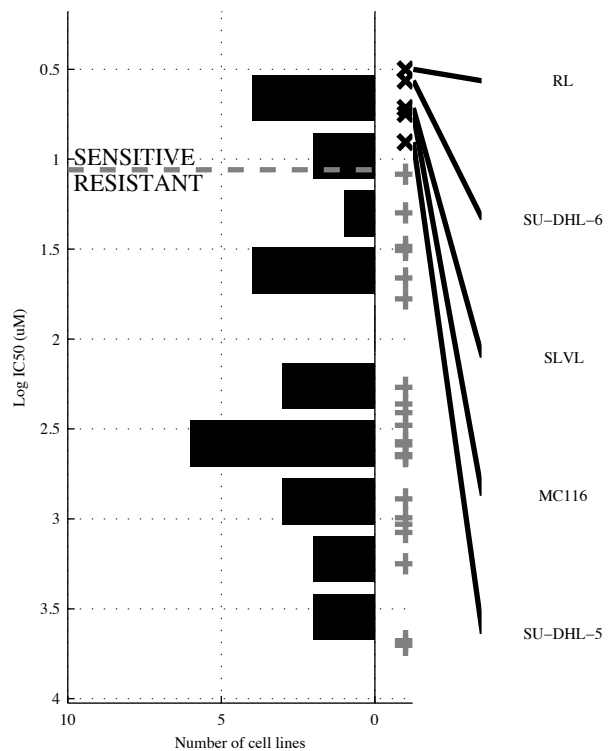
27 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>EP300</b>	<b>EP300 &amp; IL-1-D</b>	<b>EP300 &amp; IL-1-D</b>	<b>EP300 &amp; IL-1-D</b>	<b>EP300   Wnt-UP</b>	<b>[d(CDKN2A) &amp; Wnt-UP]</b>   <b>[ EP300 &amp; IL-1-D]</b>	<b>Wnt-UP   H2O2-D</b>  <b>MAPK o</b>	<b>Wnt-UP   H2O2-D</b>  <b>MAPK o</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{4}{2} \mid \frac{1}{20}$ 0.95 0.8 0.67	$\frac{4}{2} \mid \frac{0}{21}$ 1 1 0.67	$\frac{4}{2} \mid \frac{0}{21}$ 1 1 0.67	$\frac{4}{2} \mid \frac{0}{21}$ 1 1 0.67	$\frac{6}{0} \mid \frac{2}{19}$ 0.9 0.75 1	$\frac{6}{0} \mid \frac{0}{21}$ 1 1 1	$\frac{6}{0} \mid \frac{2}{19}$ 0.9 0.75 1	$\frac{6}{0} \mid \frac{2}{19}$ 0.9 0.75 1

DLBC  
 id: 229 name: LY317615  
 target: PRKCB (PKCbeta) class: other

27 cell lines  
 5 sensitive

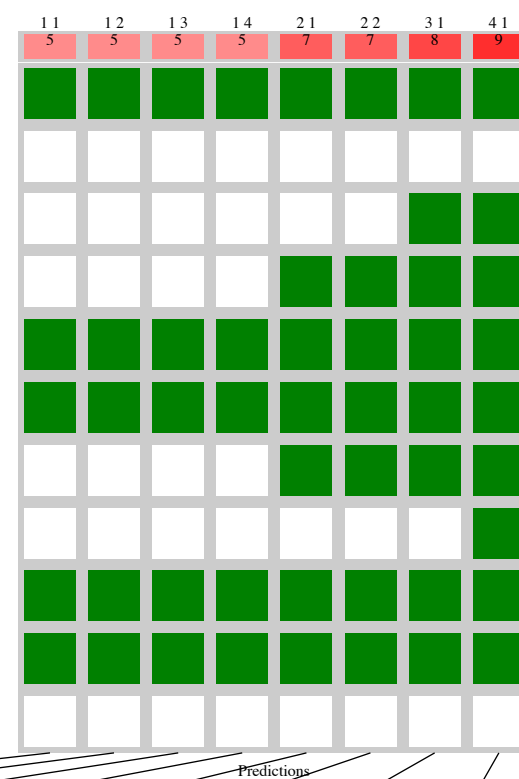
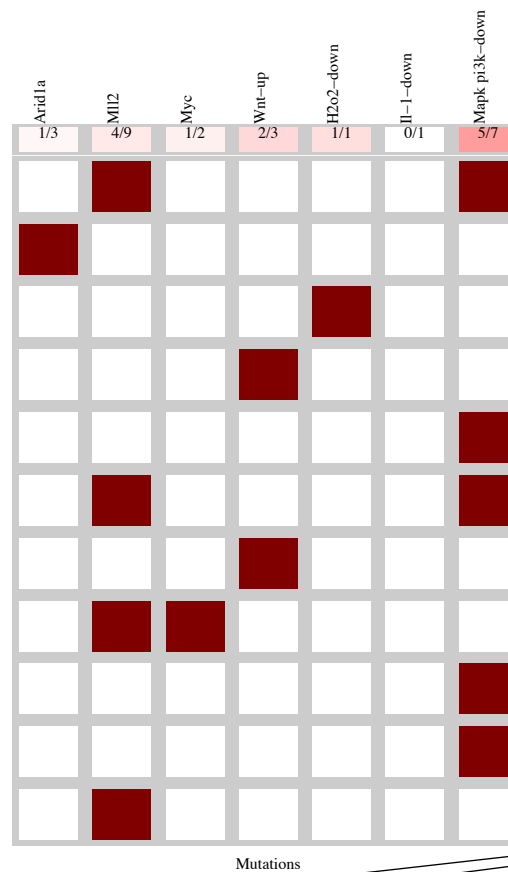
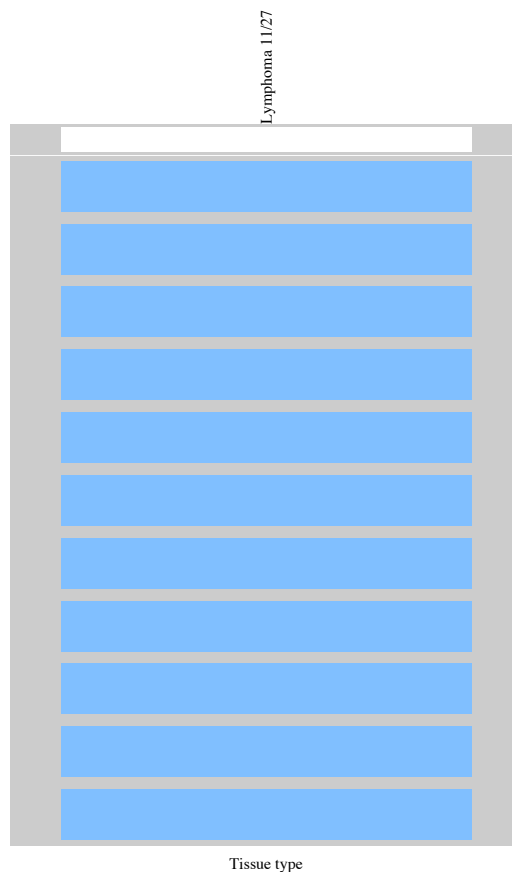
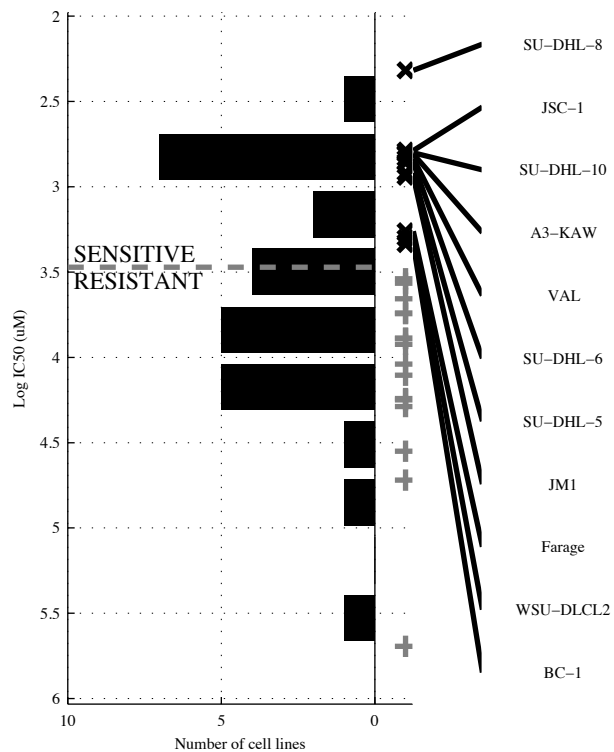


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MAPK o</b>	<b>MAPK o &amp; -PI3K o</b>	<b>-d(CIT &amp; MAPK o &amp; -PI3K o</b>	<b>-d(CIT &amp; MAPK o &amp; -PI3K o &amp;</b>	<b>JAK-STIMAPK o</b>	<b>[MAPK o &amp; -PI3K o]</b>   <b>[ TP53 &amp; TLR-UP]</b>	<b>JAK-STIMAPK o  </b>	<b>JAK-STIMAPK o  </b> 
TP   FP Specificity	3   2 0.91	3   1 0.95	3   0 1	3   0 1	4   2 0.91	4   1 0.95	4   2 0.91	4   2 0.91
FN   TN Precision	2   20 0.6	2   21 0.75	2   22 1	2   22 1	1   20 0.67	1   21 0.8	1   20 0.67	1   20 0.67
Recall	0.6	0.6	0.6	0.6	0.8	0.8	0.8	0.8



DLBC  
 id: 230 name: GSK429286A  
 target: ROCK2 class: cytoskeleton

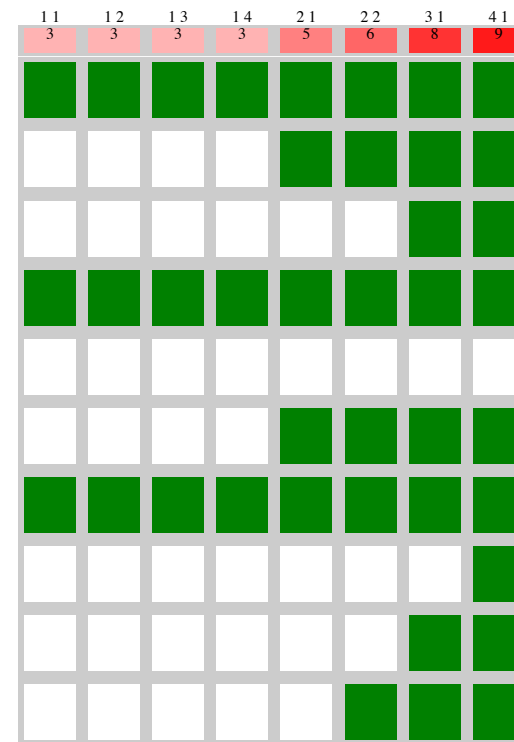
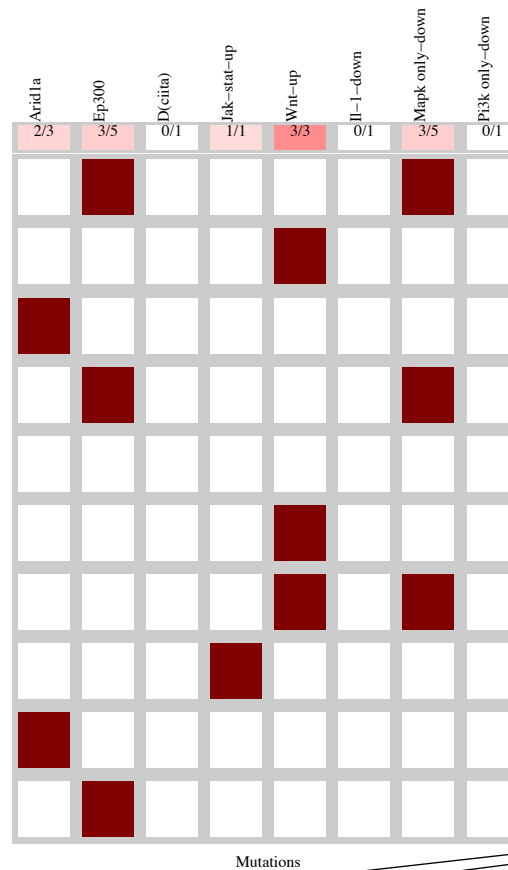
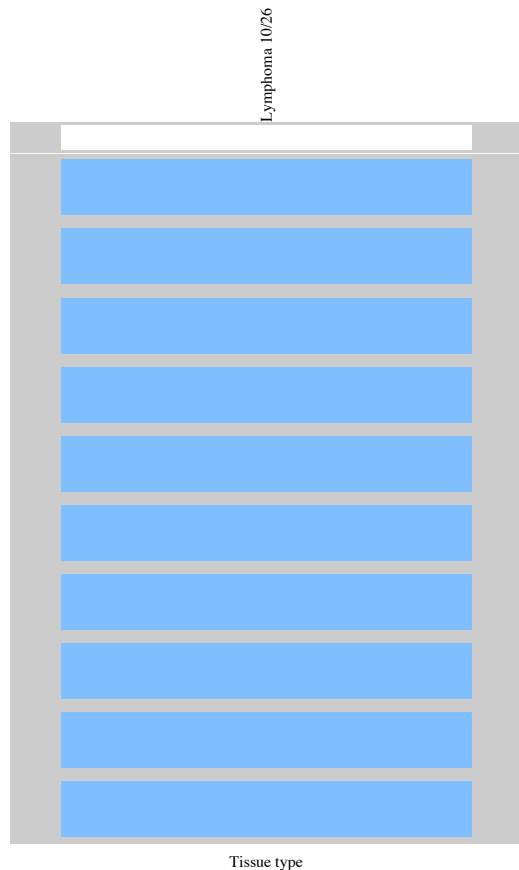
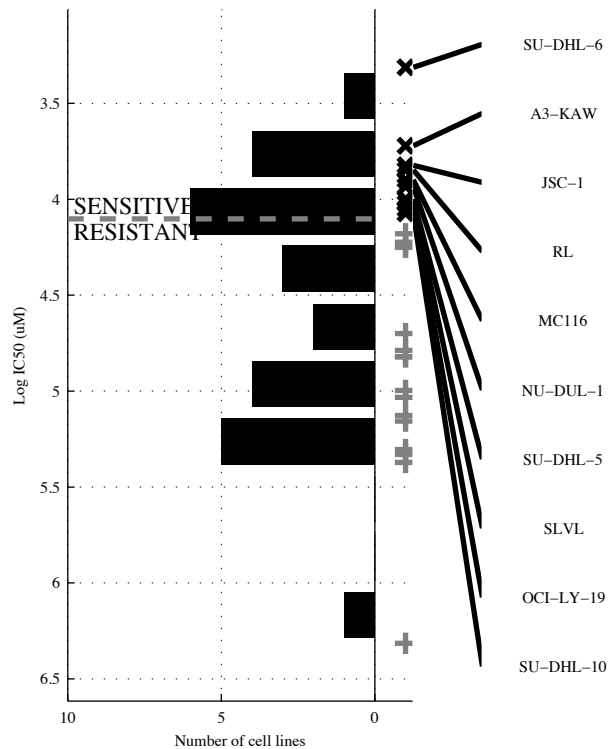
27 cell lines  
 11 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>MAPK P</b>	<b>¬IL-1-D&amp;MAPK P</b>	<b>¬IL-1-D&amp;MAPK R&amp;</b>	<b>¬IL-1-D&amp;MAPK R&amp;</b>	<b>Wnt-UPIMAPK P</b>	<b>[¬ARID1A&amp;MAPK P]</b>   <b>[¬MLL2&amp;Wnt-UP]</b>	<b>Wnt-UP H2O2-D </b>  <b>MAPK P</b>	<b>MYC  Wnt-UP </b>  <b>H2O2-DIMAPK P</b>
TP   FP Specificity	5   2 0.88	5   1 0.94	5   1 0.94	5   1 0.94	7   3 0.81	7   1 0.94	8   3 0.81	9   3 0.81
FN   TN Precision	6   14 0.71	6   15 0.83	6   15 0.83	6   15 0.83	4   13 0.7	4   15 0.88	3   13 0.73	2   13 0.75
Recall	0.45	0.45	0.45	0.45	0.64	0.64	0.73	0.82

DLBC  
 id: 231 name: FMK  
 target: RSK class: ERK MAPK signaling

26 cell lines  
 10 sensitive

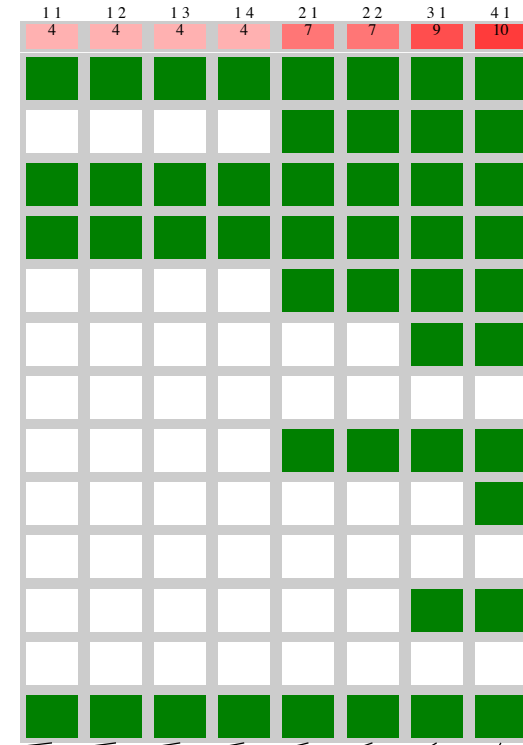
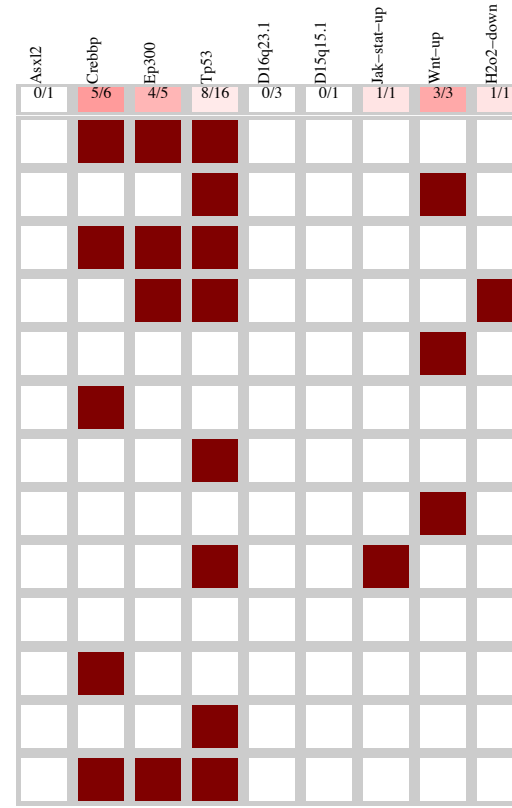
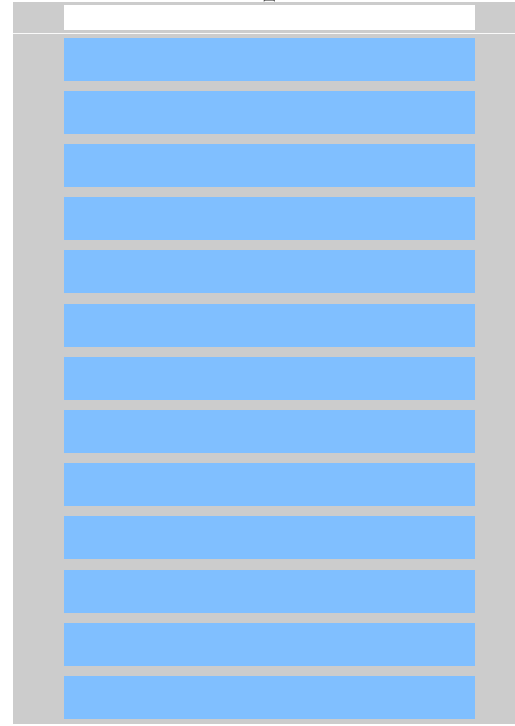
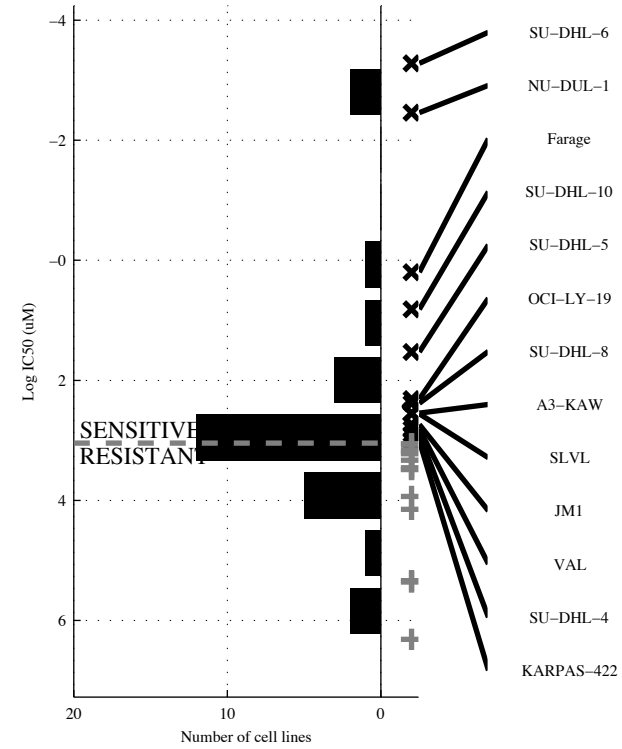


Model name	11	12	13	14	21	22	31	41
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MAPK o</b>	<b>MAPK o &amp; !PI3K o</b>	<b>!d(CIT &amp; MAPK o &amp; !PI3K o</b>	<b>!d(CIT &amp; MAPK o &amp; !PI3K o &amp;</b>	<b>Wnt-UP   MAPK o</b>	<b>[ EP300 &amp; !IL-1-D ]  </b>	<b>ARID1A   EP300  </b>	<b>ARID1A   EP300  </b>
TP   FP	3   2	3   1	3   0	3   0	5   2	6   1	8   2	9   2
Specificity	0.88	0.94	1	1	0.88	0.94	0.88	0.88
FN   TN	7   14	7   15	7   16	7   16	5   14	4   15	2   14	1   14
Precision	0.6	0.75	1	1	0.71	0.86	0.8	0.82
Recall	0.3	0.3	0.3	0.3	0.5	0.6	0.8	0.9

DLBC  
 id: 238 name: CAL-101  
 target: PI3Kdelta class: PI3K signaling

27 cell lines  
 13 sensitive

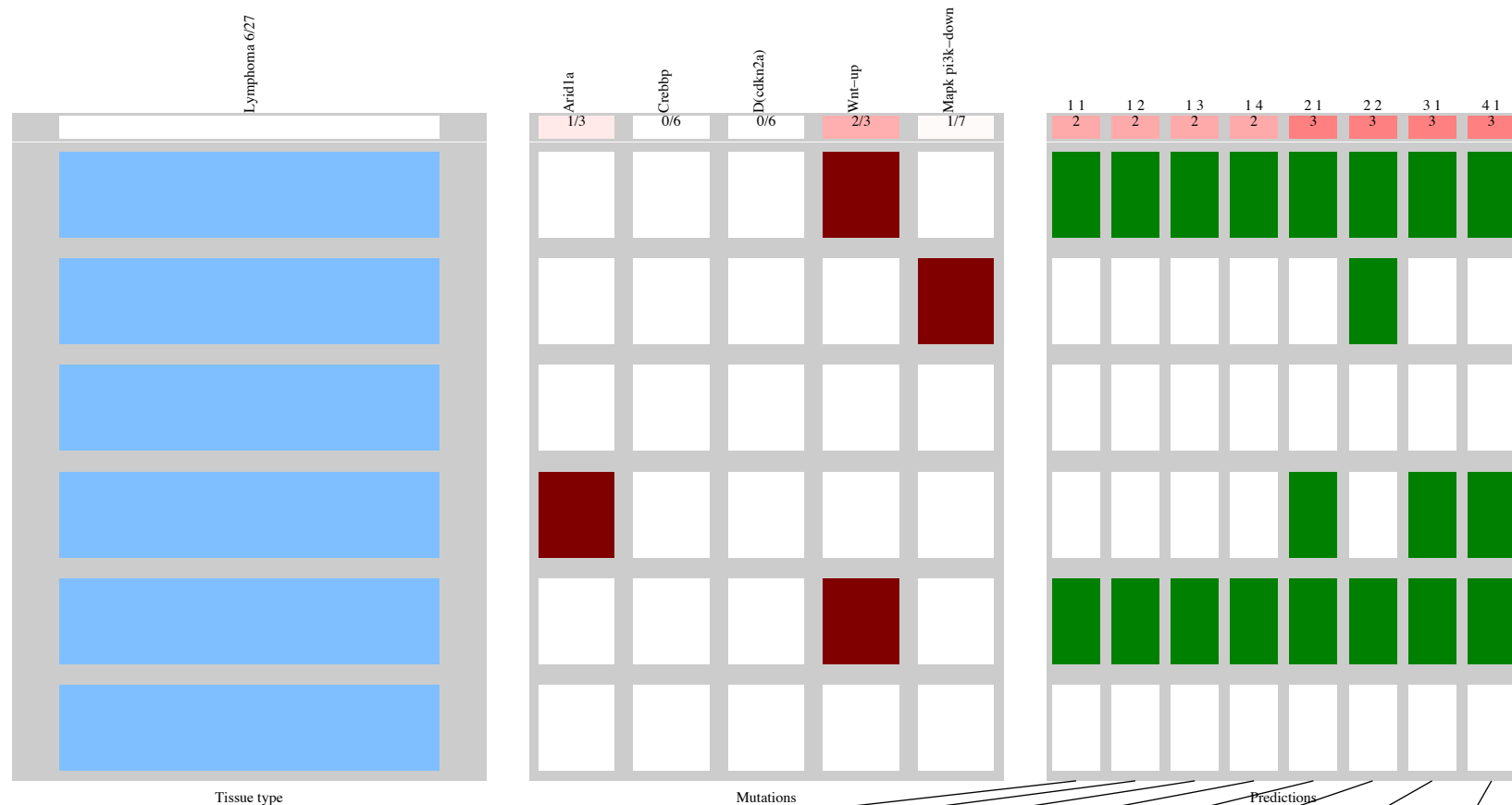
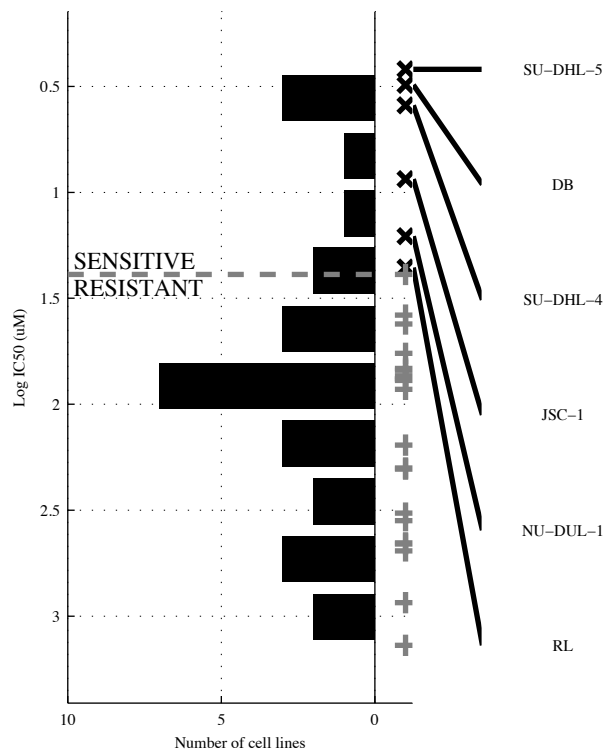
Lymphoma 13/27



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
M																
Logic formula	<b>EP300</b>		<b>EP300 &amp; TP53</b>		<b>EP300 &amp; TP53 &amp; -d16q23</b>		<b>-ASXL2 &amp; EP300 &amp; TP53 &amp; -d15q15</b>		<b>EP300   Wnt-UP</b>		<b>[ EP300 &amp;   [ Wnt-UP &amp; ] ]</b>		<b>CREBBP   Wnt-UP   H2O2-D</b>		<b>CREBBP   JAK-STI   Wnt-UP   H2O2-D</b>	
TP   FP	4   1	0.93	4   1	0.93	4   1	0.93	4   1	0.93	7   1	0.93	7   1	0.93	9   1	0.93	10   1	0.93
FN   TN	9   13	0.8	9   13	0.8	9   13	0.8	9   13	0.8	6   13	0.88	6   13	0.88	4   13	0.9	3   13	0.91
Specificity																
Precision																
Recall		0.31		0.31		0.31		0.31		0.54		0.54		0.69		0.77

DLBC  
 id: 245 name: UNC0638  
 target: G9a(EHMT2), GLP(EHMT1) class: chromatin histone methylation

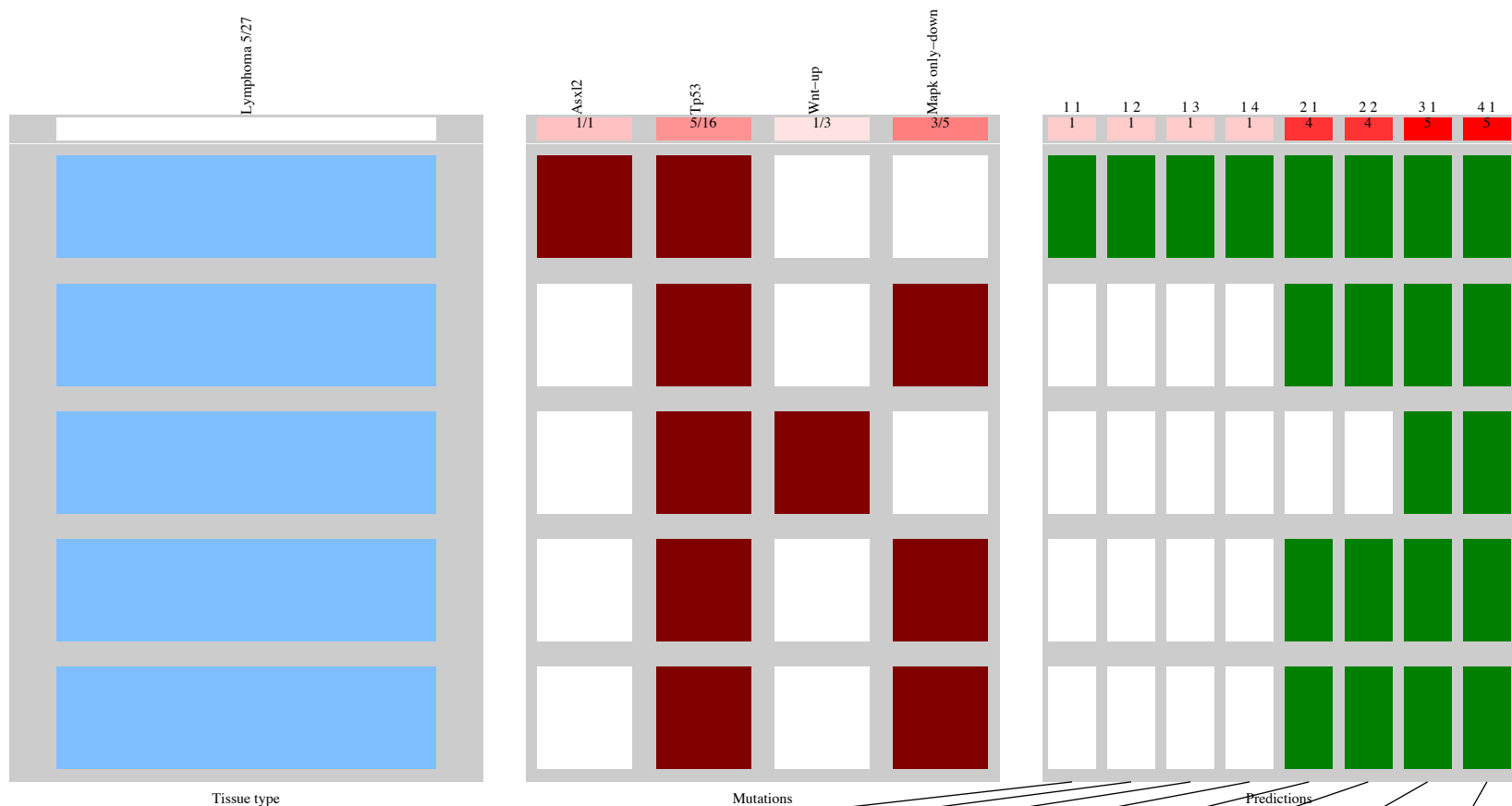
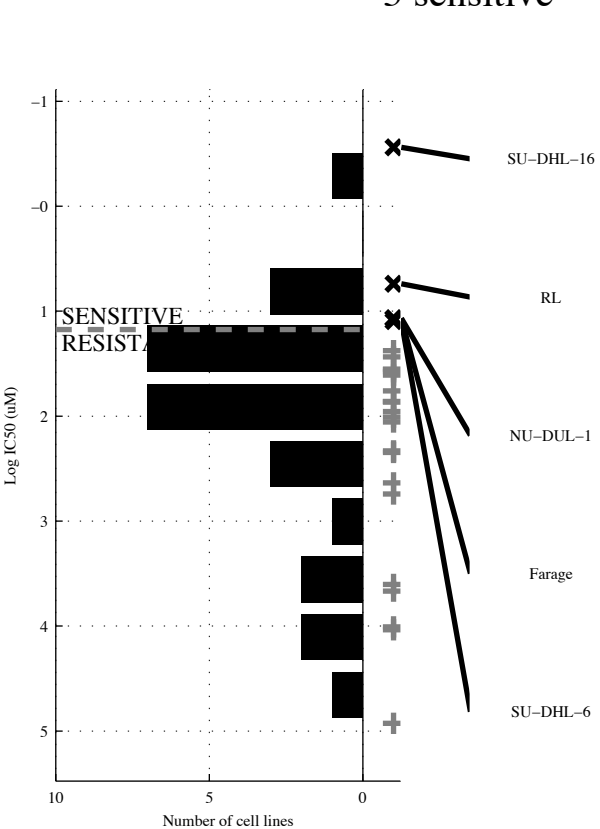
27 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>Wnt-UP</b>	<b>¬d(CDK1&amp;Wnt-UP)</b>	<b>¬d(CDK1&amp;Wnt-UP)</b>	<b>¬d(CDK1&amp;Wnt-UP)</b>	<b>ARID1A Wnt-UP</b>	<b>[CREBB&amp;MAPK P]</b>   <b>[¬d(CDK1&amp;Wnt-UP)]</b>	<b>ARID1A Wnt-UP </b>	<b>ARID1A Wnt-UP </b>
TP   FP	2   1	2   0	2   0	2   0	3   3	3   1	3   3	3   3
Specificity	0.95	1	1	1	0.86	0.95	0.86	0.86
FN   TN	4   20	4   21	4   21	4   21	3   18	3   20	3   18	3   18
Precision	0.67	1	1	1	0.5	0.75	0.5	0.5
Recall	0.33	0.33	0.33	0.33	0.5	0.5	0.5	0.5

DLBC  
 id: 249 name: XL-184  
 target: VEGFR, MET, RET, KIT, FLT1, FLT3, FLT4, Tie2, AXL class: RTK signaling

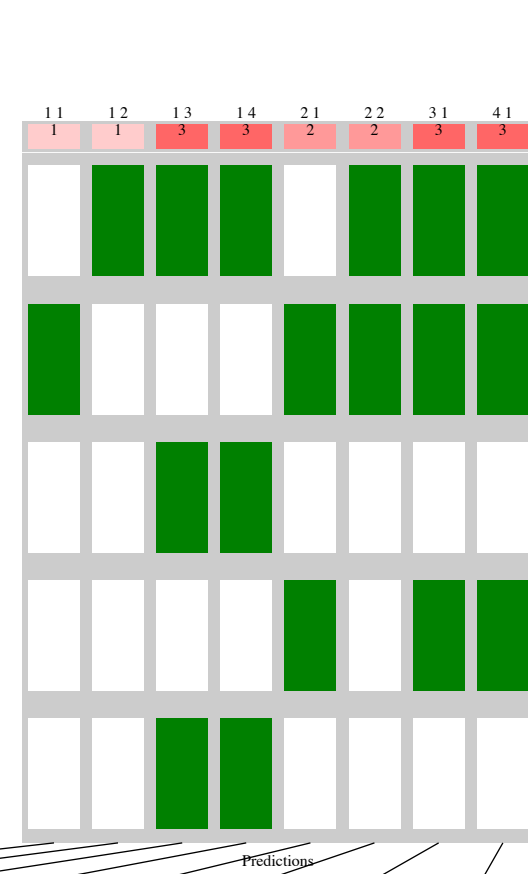
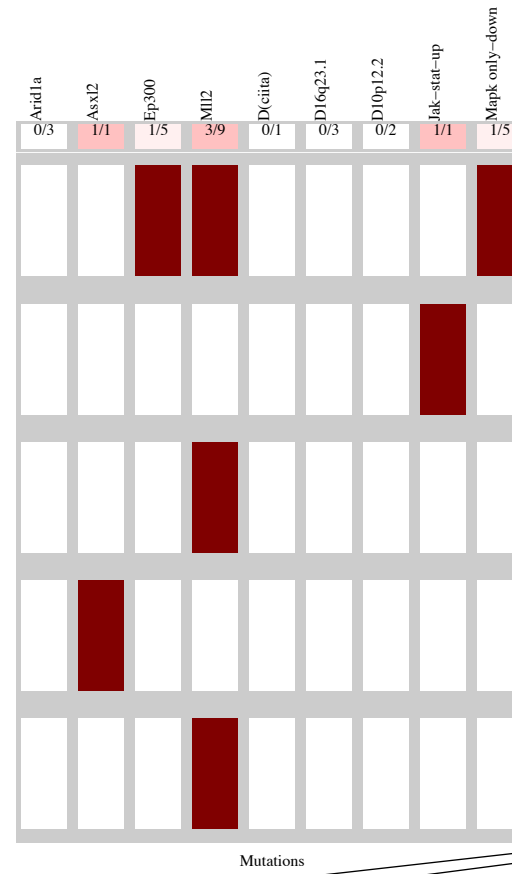
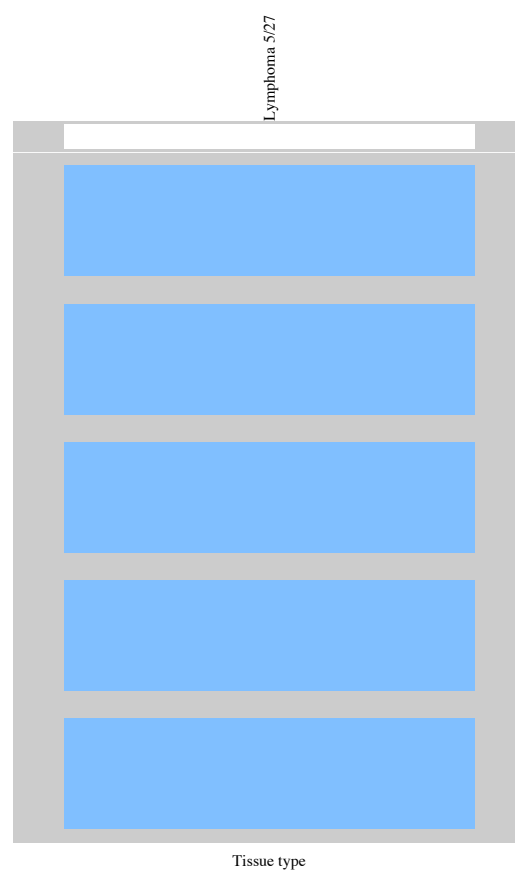
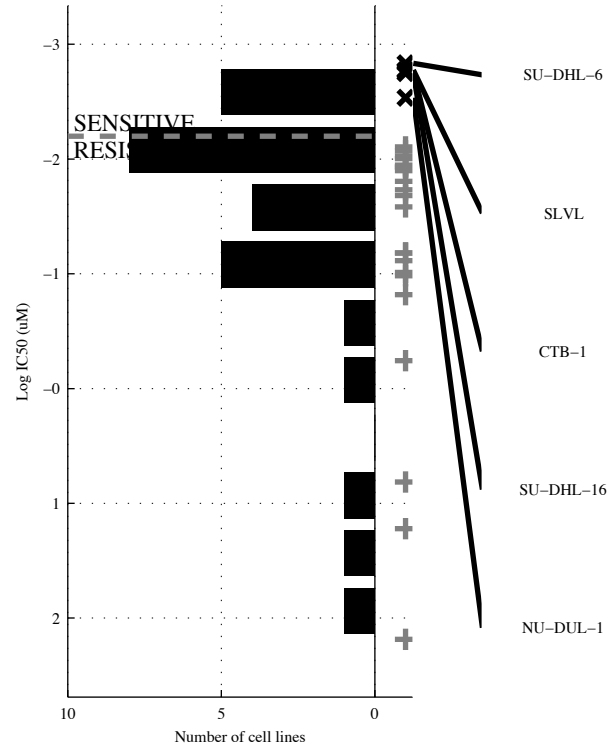
27 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>ASXL2</b>	<b>ASXL2 &amp;</b>	<b>ASXL2 &amp; &amp;</b>	<b>ASXL2 &amp; &amp;</b>	<b>ASXL2   MAPK o</b>	<b>[ ASXL2 &amp; ]   [ TP53 &amp; MAPK o ]</b>	<b>ASXL2   Wnt-UP   MAPK o</b>	<b>ASXL2   Wnt-UP   MAPK o  </b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{4} \mid \frac{0}{22}$ 1 1 0.2	$\frac{1}{4} \mid \frac{0}{22}$ 1 1 0.2	$\frac{1}{4} \mid \frac{0}{22}$ 1 1 0.2	$\frac{1}{4} \mid \frac{0}{22}$ 1 1 0.2	$\frac{4}{1} \mid \frac{2}{20}$ 0.91 0.67 0.8	$\frac{4}{1} \mid \frac{0}{22}$ 1 1 0.8	$\frac{5}{0} \mid \frac{3}{19}$ 0.86 0.63 1	$\frac{5}{0} \mid \frac{3}{19}$ 0.86 0.63 1

DLBC  
 id: 252 name: WZ3105  
 target: CLK2, CNSK1E, FLT3, ULK1 class: other

27 cell lines  
 5 sensitive

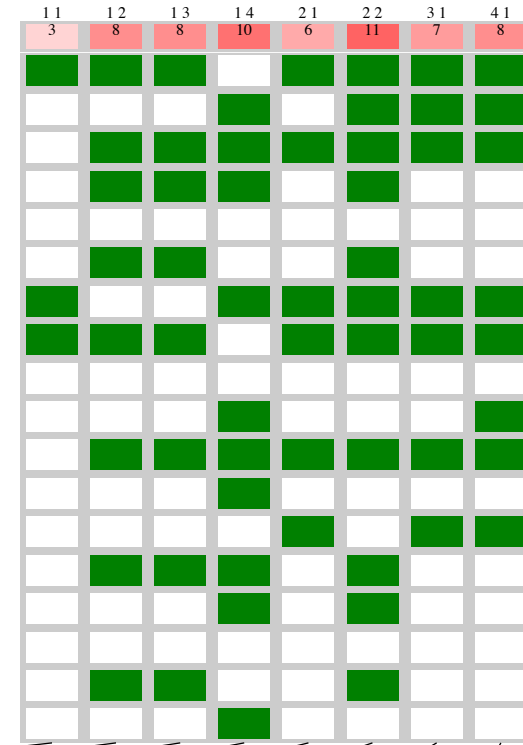
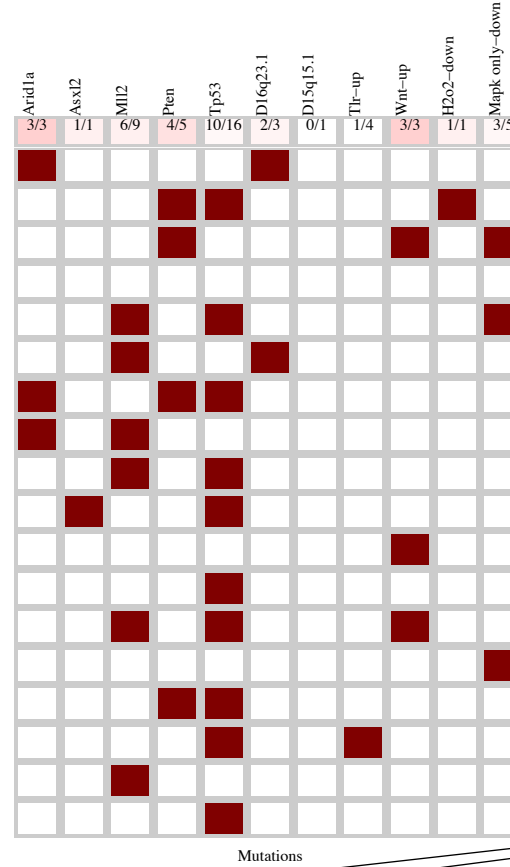
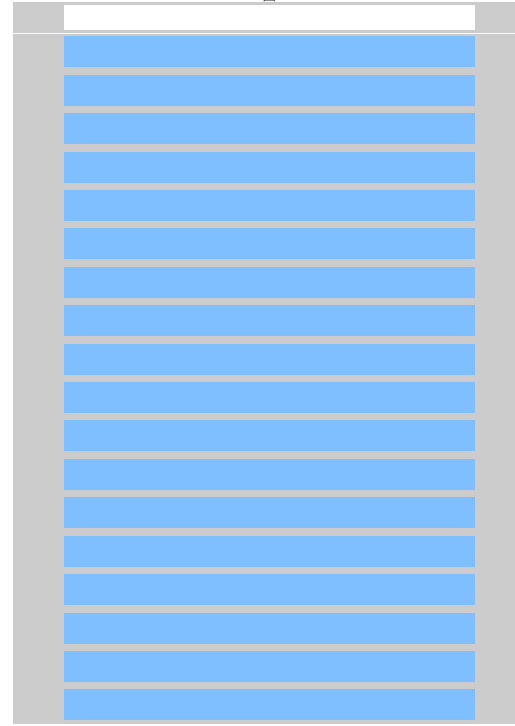
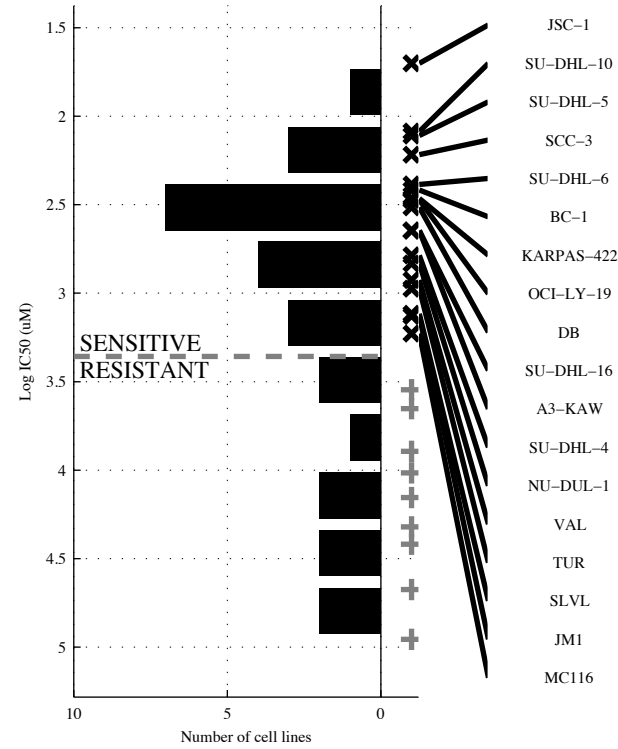


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>JAK-ST</b>	<b>MLL2 &amp; MAPK o</b>	<b>MLL2 &amp; -d16q23&amp; -d10p12</b>	<b>-ARID1&amp; MLL2 &amp; -d16q23&amp; -d10p12</b>	<b>ASXL2   JAK-ST</b>	<b>[ EP300 &amp; MLL2 ]   [-d(CIIT&amp;JAK-ST)]</b>	<b>ASXL2   EP300   JAK-ST</b>	<b>ASXL2   EP300   JAK-ST </b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{4} \mid \frac{0}{22}$ 1 0.2	$\frac{1}{4} \mid \frac{0}{22}$ 1 0.2	$\frac{3}{2} \mid \frac{4}{18}$ 0.82 0.43 0.6	$\frac{3}{2} \mid \frac{3}{19}$ 0.86 0.5 0.6	$\frac{2}{3} \mid \frac{0}{22}$ 1 1 0.4	$\frac{2}{3} \mid \frac{0}{22}$ 1 1 0.4	$\frac{3}{2} \mid \frac{4}{18}$ 0.82 0.43 0.6	$\frac{3}{2} \mid \frac{4}{18}$ 0.82 0.43 0.6

DLBC  
 id: 253 name: XMD14-99  
 target: EPHB3, CAMK1 class: RTK signaling

27 cell lines  
 18 sensitive

Lymphoma 18/27

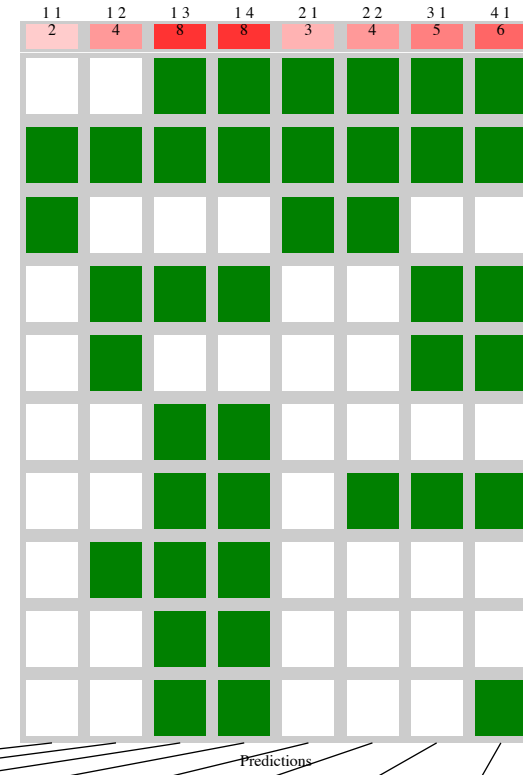
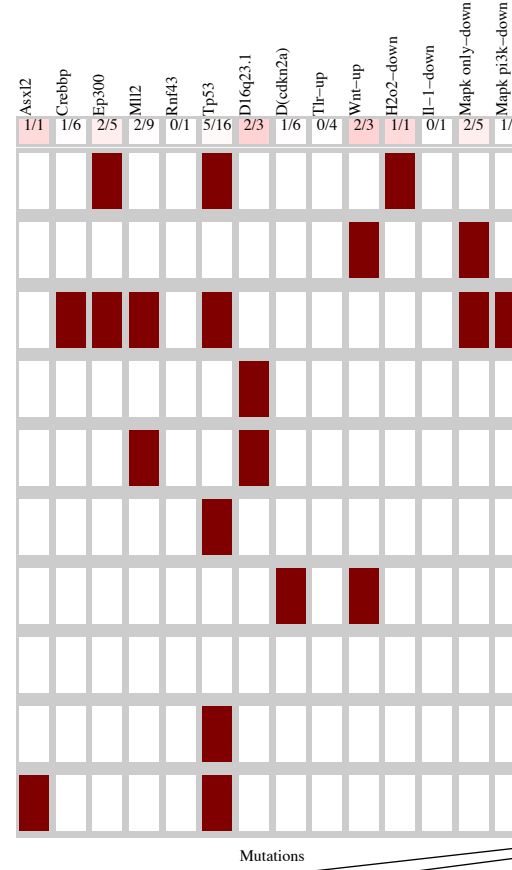
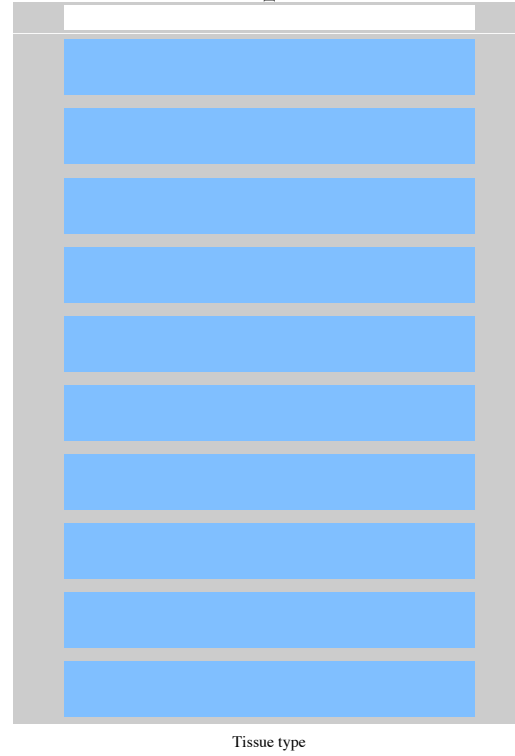
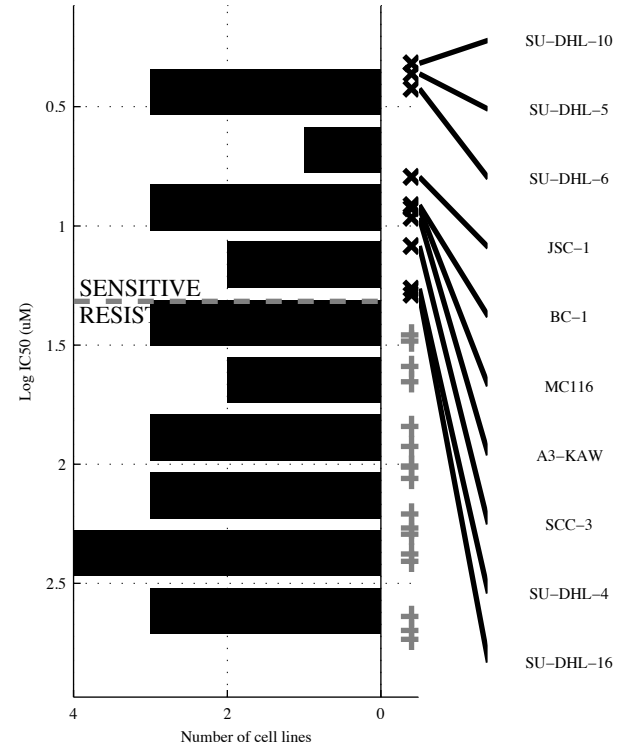


Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	1		1		1		1		2		2		3		4	
M	1		2		3		4		1		2		1		1	
Logic formula	<b>ARID1A</b>		<b>-TP53 &amp; TLR-UP</b>		<b>-TP53 &amp; TLR-UP</b>		<b>-MLL2 &amp; d16q23 &amp; d15q15 &amp; TLR-UP</b>		<b>ARID1A   Wnt-UP</b>		<b>[ PTEN &amp; MAPK ]</b>		<b>ARID1A   Wnt-UP   H2O2-D</b>		<b>ARID1A   ASXL2   Wnt-UP   H2O2-D</b>	
TP   FP	3   0	1	8   1	0.89	8   1	0.89	10   1	0.89	6   0	1	11   1	0.89	7   0	1	8   0	1
FN   TN	15   9	1	10   8	0.89	10   8	0.89	8   8	0.91	12   9	1	7   8	0.92	11   9	1	10   9	1
Specificity																
Precision																
Recall		0.17		0.44		0.44		0.56		0.33		0.61		0.39		0.44

DLBC  
id: 254 name: AC220  
target: FLT3 class: RTK signaling

27 cell lines  
10 sensitive

Lymphoma 10/27



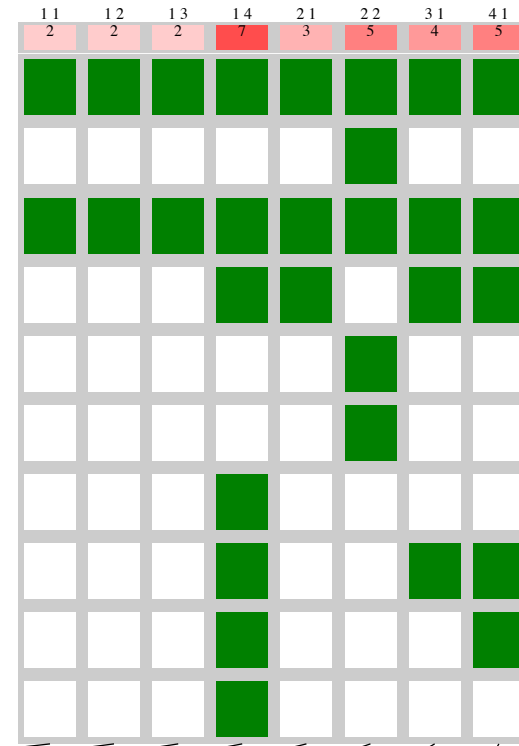
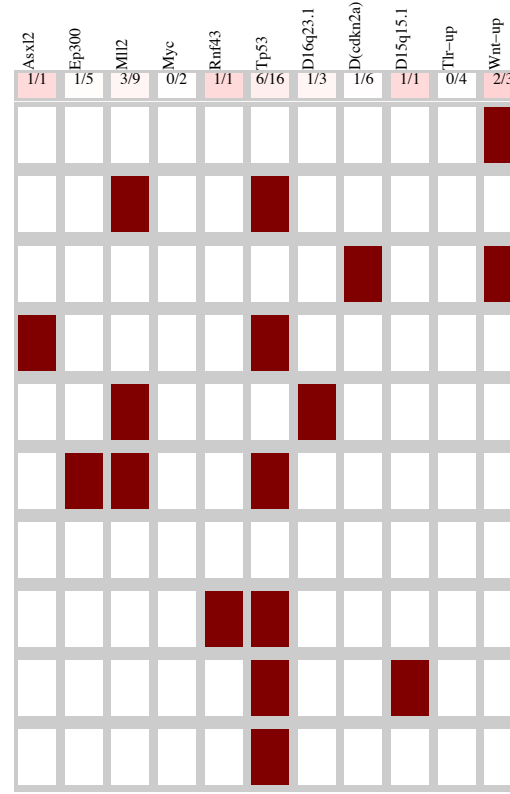
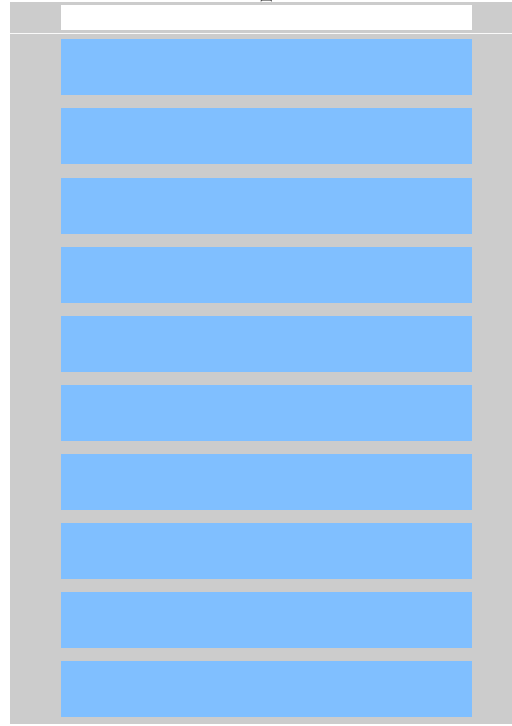
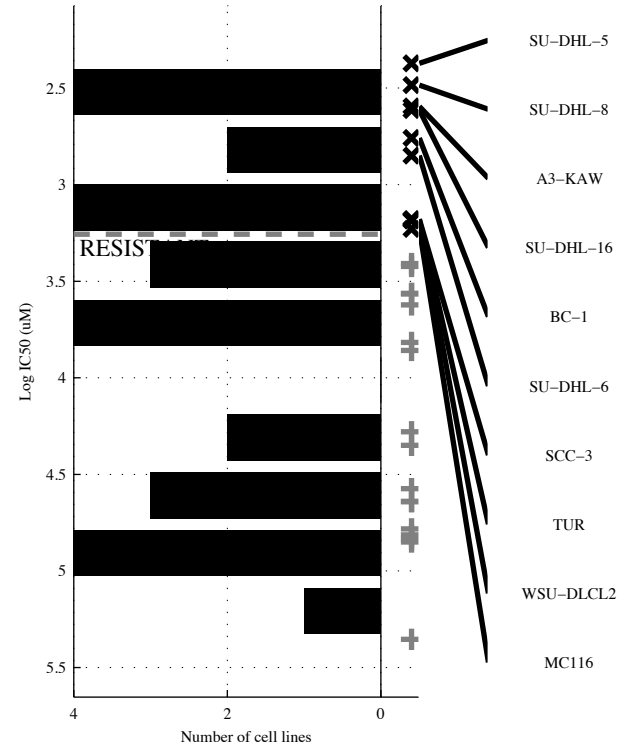
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MAPK o</b>	<b>-TP53 &amp; d(CDKN</b>	<b>-CREBB &amp; -MLL2 &amp;</b>	<b>-MLL2 &amp; -RNF43 &amp;</b>	<b>H2O2-DIMAPK o</b>	<b>[ -TP53 &amp; Wnt-UP ]</b>	<b>d16q23   Wnt-UP  </b>	<b>ASXL2   d16q23  </b>
			<b>-TLR-UP</b>	<b>-TLR-UP &amp; MAPK P</b>		<b>[ EP300 &amp; IL-1-D ]</b>	<b>H2O2-D</b>	<b>Wnt-UP   H2O2-D</b>
TP   FP Specificity	2   3 0.82	4   2 0.88	8   3 0.82	8   2 0.88	3   3 0.82	4   2 0.88	5   2 0.88	6   2 0.88
FN   TN Precision	8   14 0.4	6   15 0.67	2   14 0.73	2   15 0.8	7   14 0.5	6   15 0.67	5   15 0.71	4   15 0.75
Recall	0.2	0.4	0.8	0.8	0.3	0.4	0.5	0.6



DLBC  
 id: 255 name: CP724714  
 target: ERBB2 class: EGFR signaling

27 cell lines  
 10 sensitive

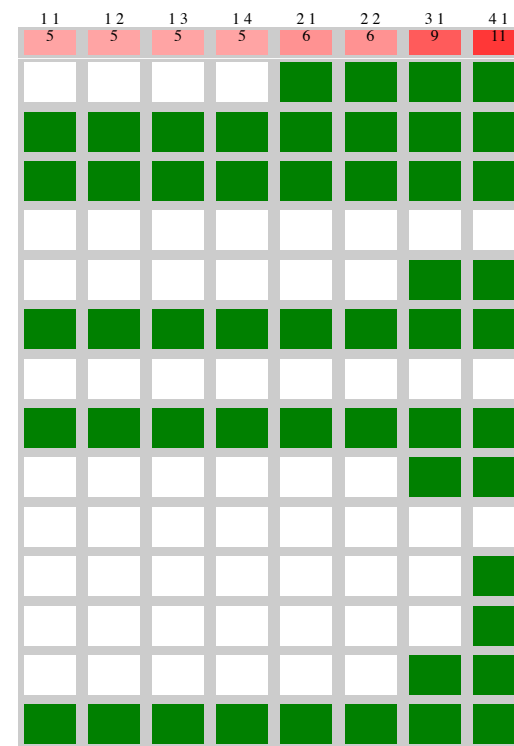
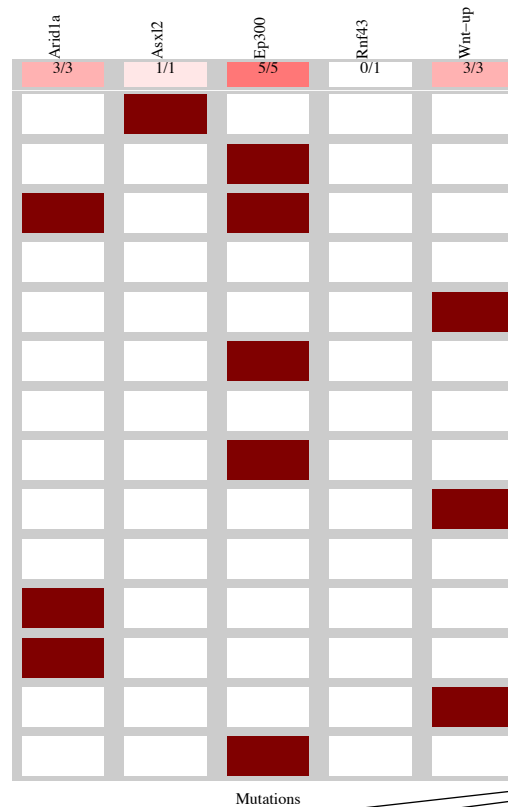
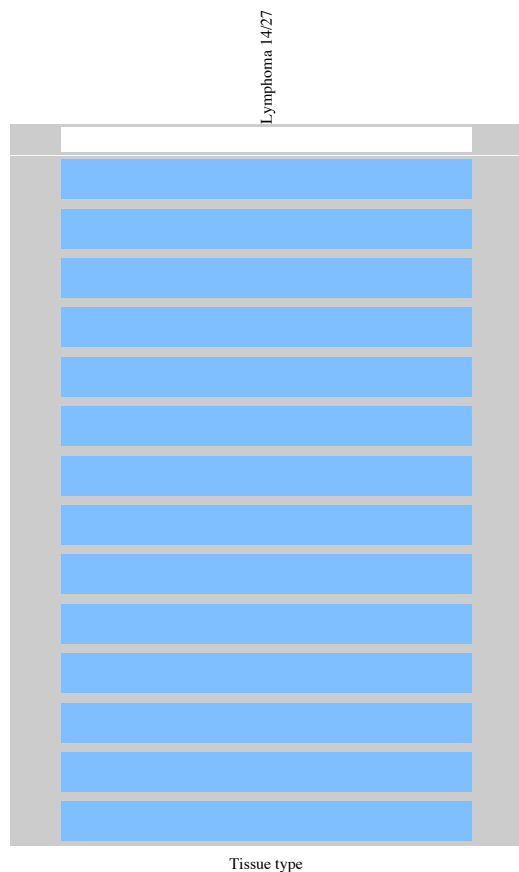
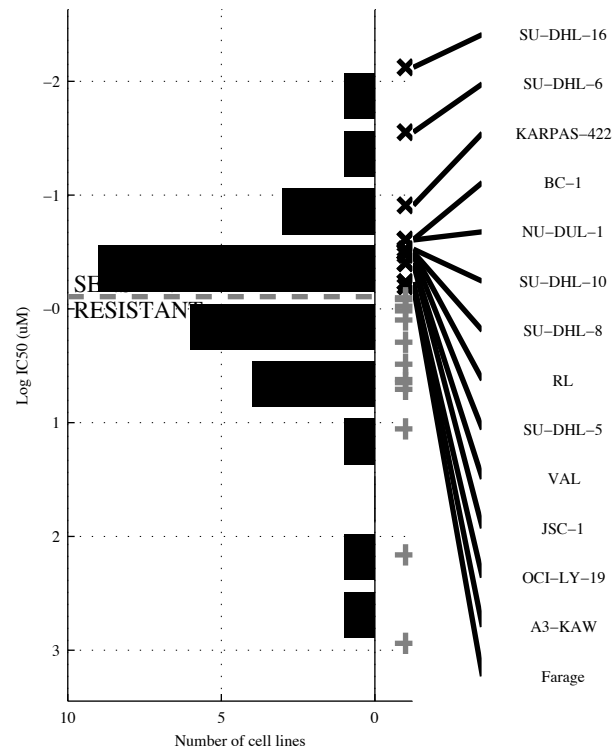
Lymphoma 10/27



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>Wnt-UP</b>	<b>~MYC &amp; Wnt-UP</b>	<b>~MYC &amp; Wnt-UP &amp;</b>	<b>~EP300 &amp; ~MLL2 &amp;</b> <b>~d16q23 &amp; TLR-UP</b>	<b>ASXL2   Wnt-UP</b>	<b>[ MLL2 &amp; d(CDKN</b> <b> </b> <b>[ ~TP53 &amp; Wnt-UP]</b>	<b>ASXL2   RNF43  </b> <b>Wnt-UP</b>	<b>ASXL2   RNF43  </b> <b>d15q15   Wnt-UP</b>
TP   FP	2   1	2   0	2   0	7   2	3   1	5   3	4   1	5   1
Specificity	0.94	1	1	0.88	0.94	0.82	0.94	0.94
FN   TN	8   16	8   17	8   17	3   15	7   16	5   14	6   16	5   16
Precision	0.67	1	1	0.78	0.75	0.63	0.8	0.83
Recall	0.2	0.2	0.2	0.7	0.3	0.5	0.4	0.5

DLBC  
 id: 256 name: JW-7-24-1  
 target: LCK class: other

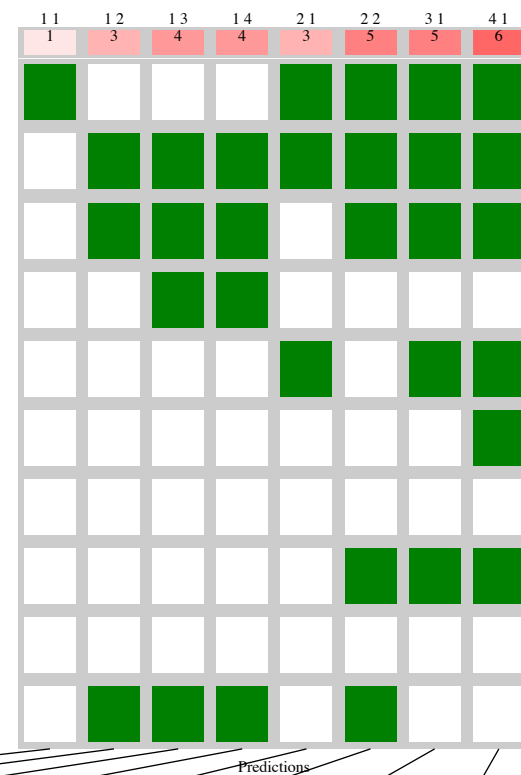
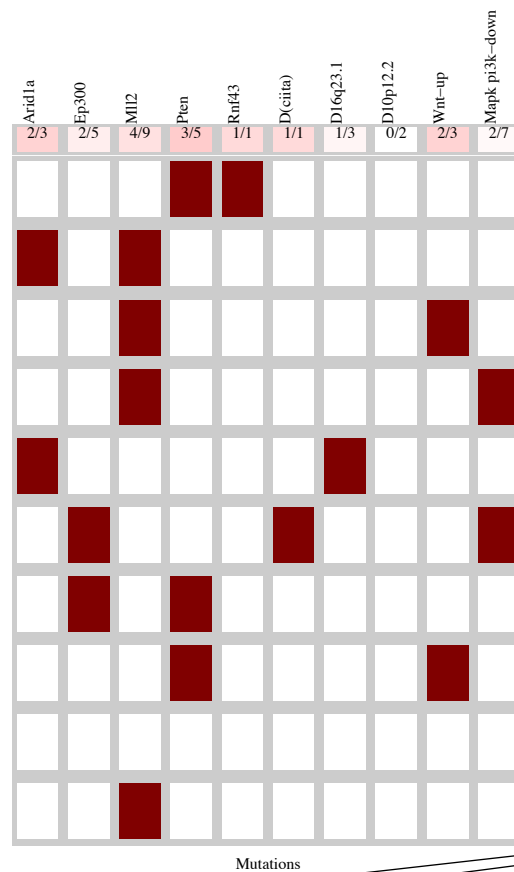
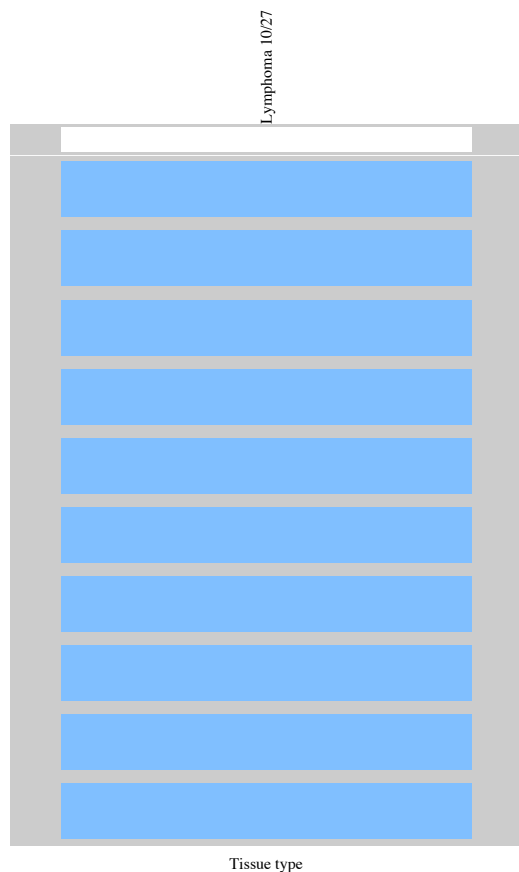
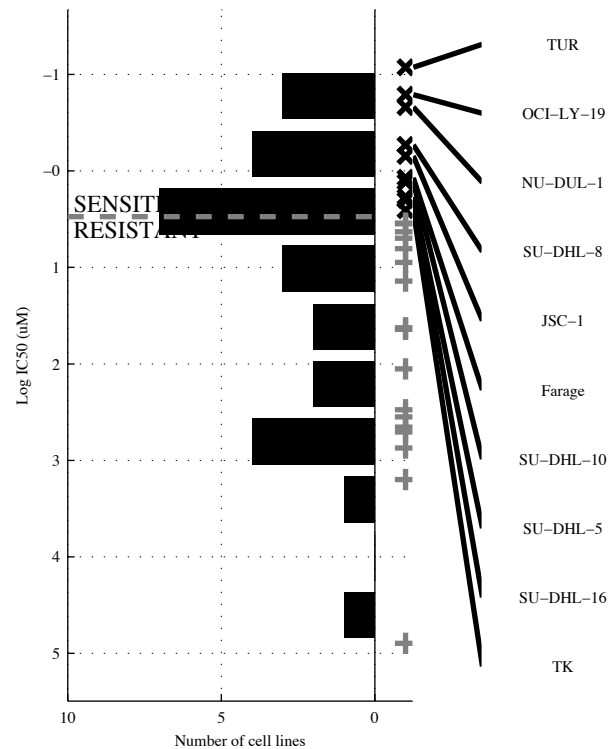
27 cell lines  
 14 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>EP300</b>	<b>EP300 &amp;</b>	<b>EP300 &amp; &amp;</b>	<b>EP300 &amp; &amp;</b>	<b>ASXL2   EP300</b>	<b>[ ASXL2 &amp; ~RNF43 ]   [ EP300 &amp; ]</b>	<b>ASXL2   EP300   Wnt-UP</b>	<b>ARID1A   ASXL2   EP300   Wnt-UP</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{5}{9} \mid \frac{0}{13}$ 1 0.36	$\frac{5}{9} \mid \frac{0}{13}$ 1 0.36	$\frac{5}{9} \mid \frac{0}{13}$ 1 0.36	$\frac{5}{9} \mid \frac{0}{13}$ 1 0.36	$\frac{6}{8} \mid \frac{0}{13}$ 1 0.43	$\frac{6}{8} \mid \frac{0}{13}$ 1 0.43	$\frac{9}{5} \mid \frac{0}{13}$ 1 0.64	$\frac{11}{3} \mid \frac{0}{13}$ 1 0.79

DLBC  
 id: 257 name: NPK76-II-72-1  
 target: PLK3 class: mitosis

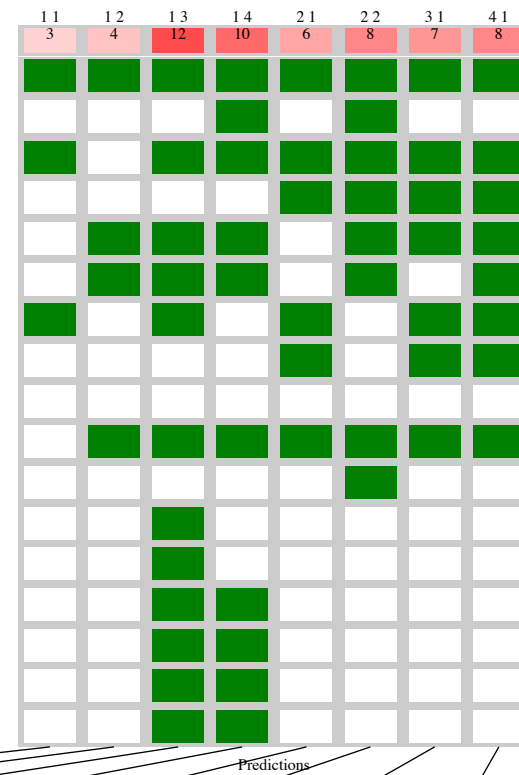
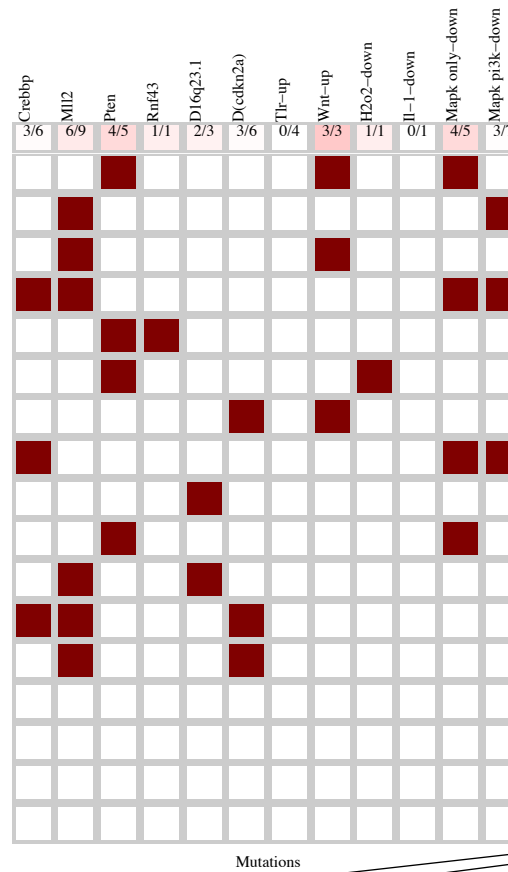
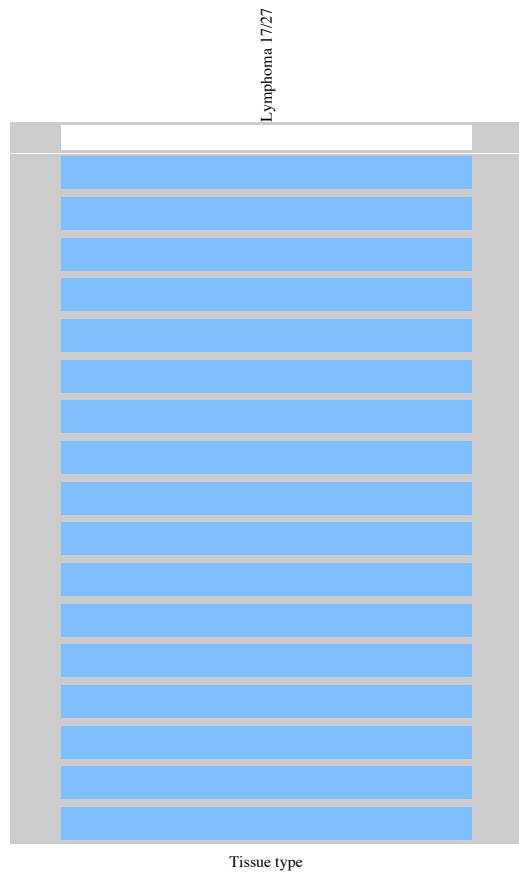
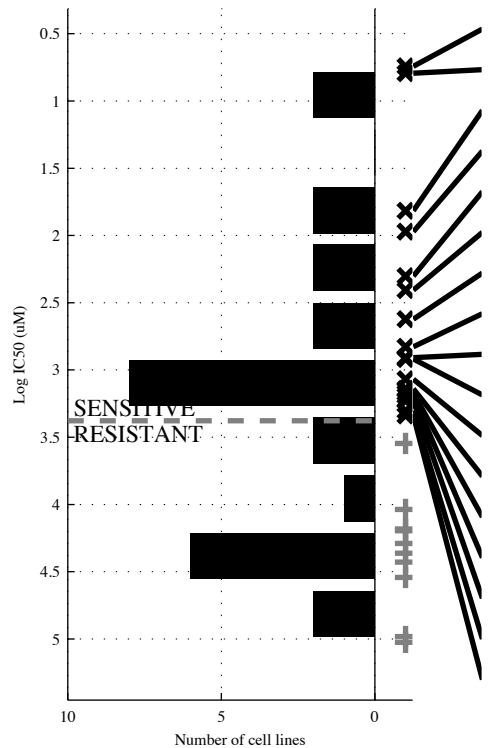
27 cell lines  
 10 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>RNF43</b>	<b>MLL2 &amp;MAPK P</b>	<b>MLL2 &amp;-d16q23&amp; -d10p12</b>	<b>-EP300&amp; MLL2 &amp; -d16q23&amp;-d10p12</b>	<b>ARID1A  RNF43</b>	<b>[ -EP300&amp; PTEN ]   [ MLL2 &amp;MAPK P ]</b>	<b>ARID1A  RNF43   Wnt-UP</b>	<b>ARID1A  RNF43   d(CIIT  Wnt-UP</b>
TP   FP	1   0	3   3	4   3	4   2	3   1	5   3	5   2	6   2
Specificity	1	0.82	0.82	0.88	0.94	0.82	0.88	0.88
FN   TN	9   17	7   14	6   14	6   15	7   16	5   14	5   15	4   15
Precision	1	0.5	0.57	0.67	0.75	0.63	0.71	0.75
Recall	0.1	0.3	0.4	0.4	0.3	0.5	0.5	0.6

DLBC  
 id: 258 name: STF-62247  
 target: stimulates autophagy class: other

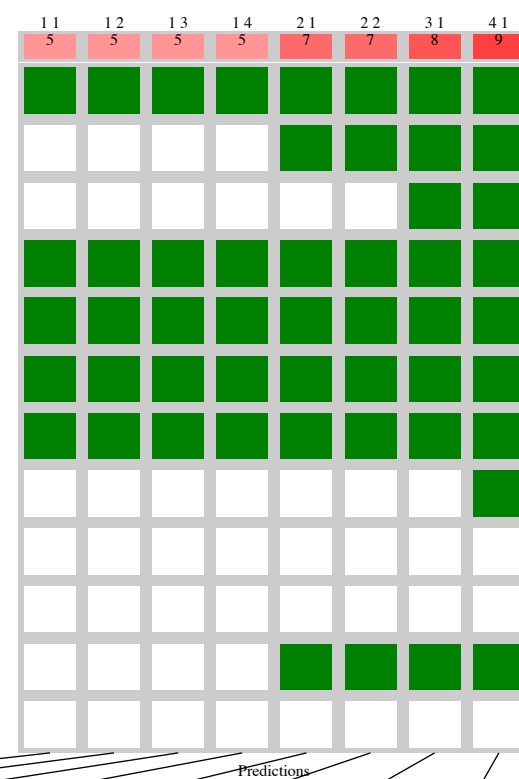
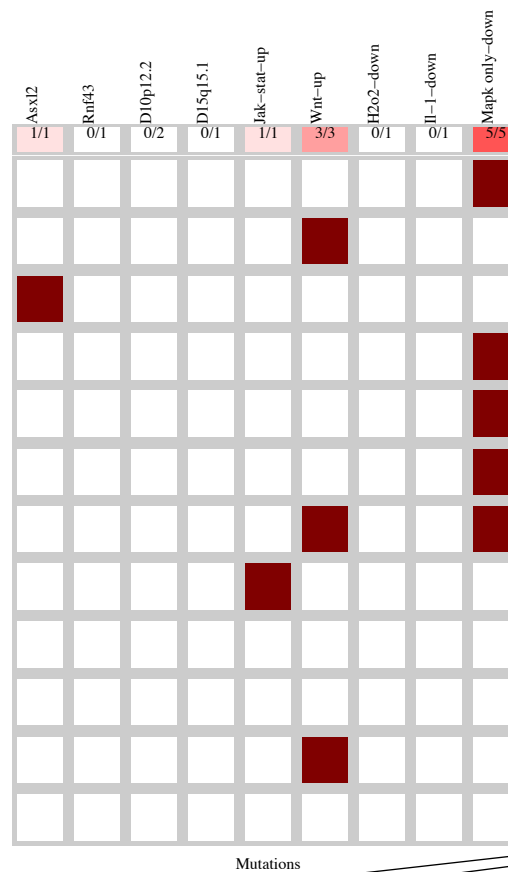
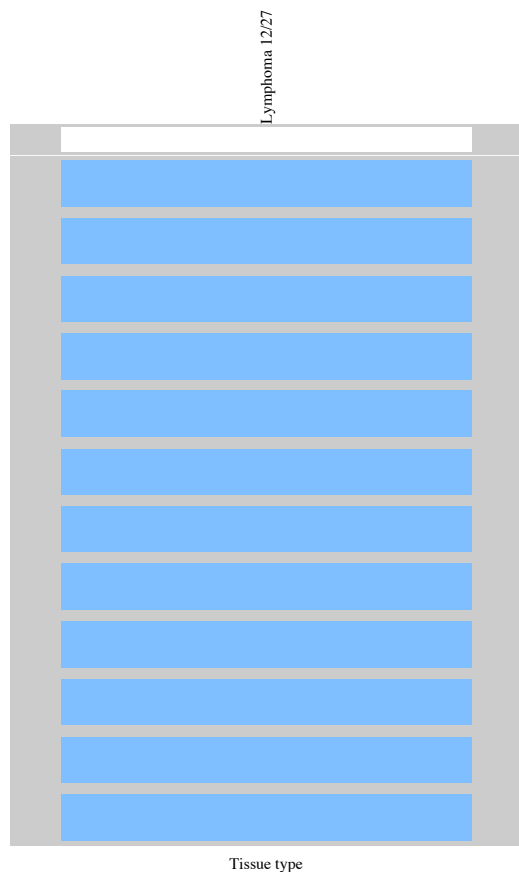
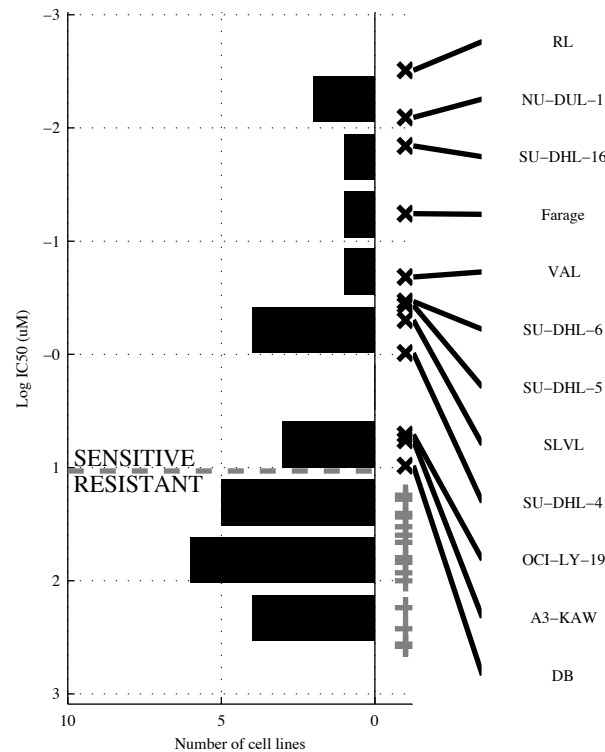
27 cell lines  
 17 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>Wnt-UP</b>	<b>PTEN &amp; IL-1-D</b>	<b>¬d16q23 &amp; TLR-UP &amp; ¬MAPK P</b>	<b>¬CREBBP &amp; ¬d16q23 &amp; ¬d(CDKN) &amp; TLR-UP</b>	<b>Wnt-UP   MAPK o</b>	<b>[ PTEN &amp; MAPK ]  </b>	<b>RNF43   Wnt-UP  </b>	<b>RNF43   Wnt-UP  </b> <b>H2O2-D   MAPK o</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{3}{14} \mid \frac{0}{10}$ 1 0.18	$\frac{4}{13} \mid \frac{0}{10}$ 1 0.24	$\frac{12}{5} \mid \frac{2}{8}$ 0.8 0.86 0.71	$\frac{10}{7} \mid \frac{2}{8}$ 0.8 0.83 0.59	$\frac{6}{11} \mid \frac{1}{9}$ 0.9 0.86 0.35	$\frac{8}{9} \mid \frac{2}{8}$ 0.8 0.8 0.47	$\frac{7}{10} \mid \frac{1}{9}$ 0.9 0.88 0.41	$\frac{8}{9} \mid \frac{1}{9}$ 0.9 0.89 0.47

DLBC  
 id: 260 name: NG-25  
 target: MAP3K7 (TAK1) class: other

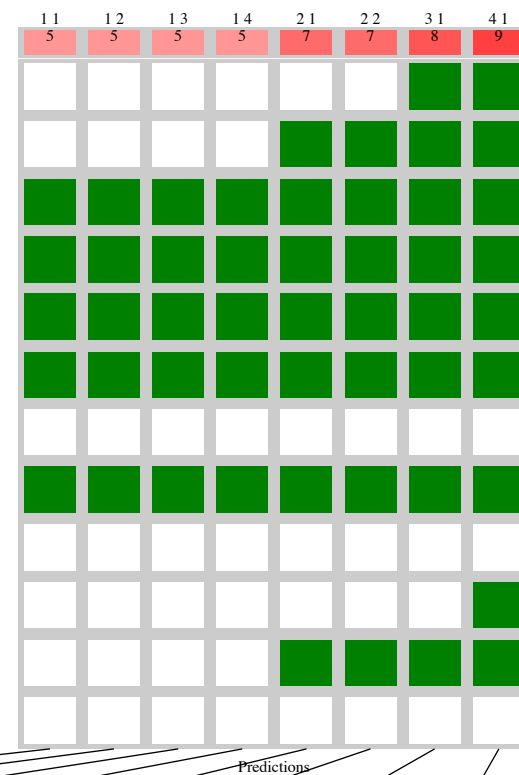
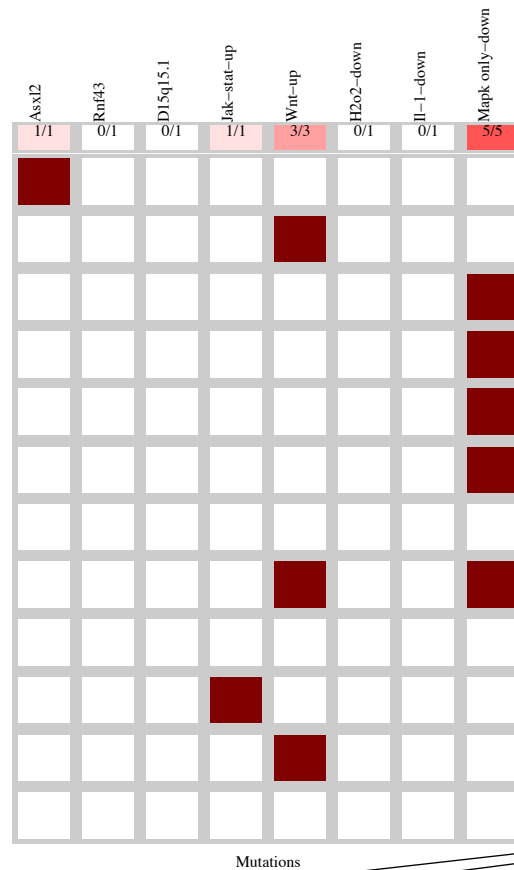
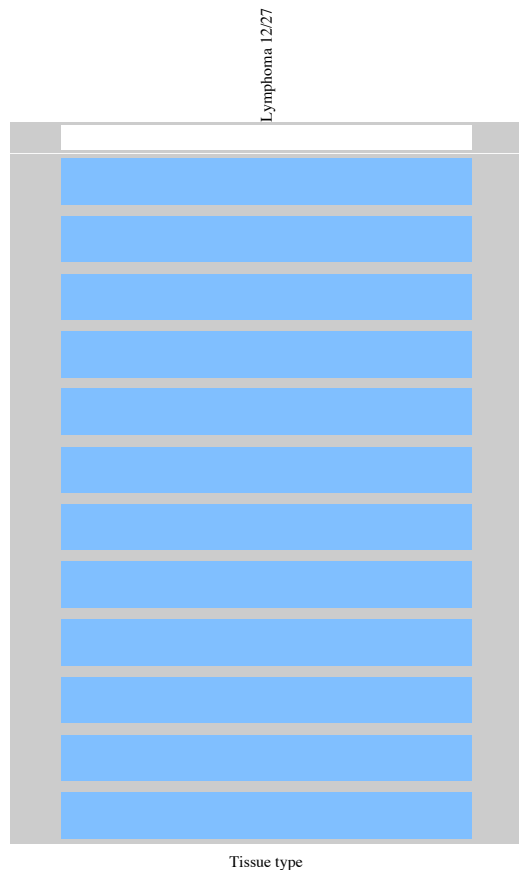
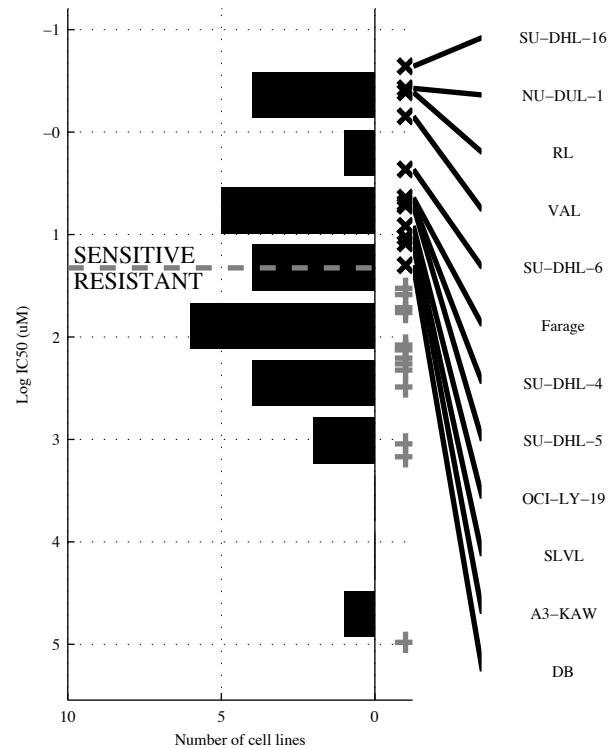
27 cell lines  
 12 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MAPK o</b>	<b>-RNF43&amp;MAPK o</b>	<b>-RNF43&amp;IL-1-D&amp;MAPK o</b>	<b>-RNF43&amp;-d15q15&amp;-H2O2-D&amp;MAPK o</b>	<b>Wnt-UP MAPK o</b>	<b>[MAPK o &amp; IL-1-D   [-d10p12&amp;Wnt-UP]</b>	<b>ASXL2   Wnt-UP   MAPK o</b>	<b>ASXL2   JAK-ST   Wnt-UP   MAPK o</b>
TP   FP	5   0	5   0	5   0	5   0	7   0	7   0	8   0	9   0
Specificity	1	1	1	1	1	1	1	1
FN   TN	7   15	7   15	7   15	7   15	5   15	5   15	4   15	3   15
Precision	1	1	1	1	1	1	1	1
Recall	0.42	0.42	0.42	0.42	0.58	0.58	0.67	0.75

DLBC  
 id: 261 name: TL-1-85  
 target: MAP3K7 (TAK1) class: other

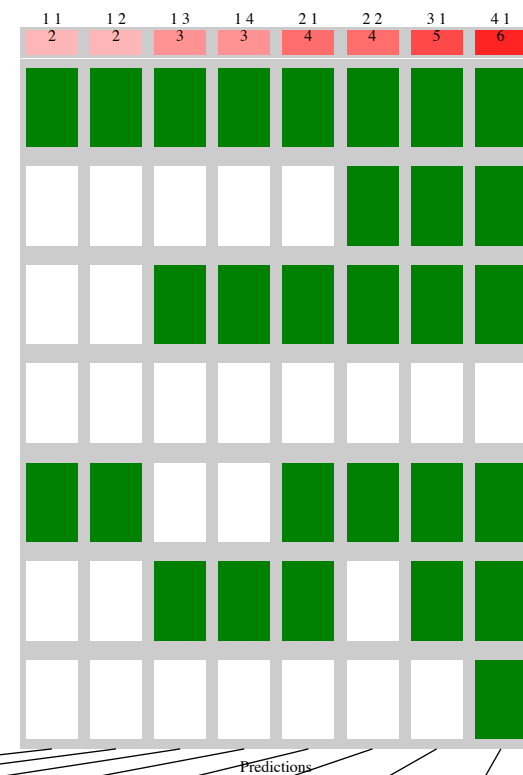
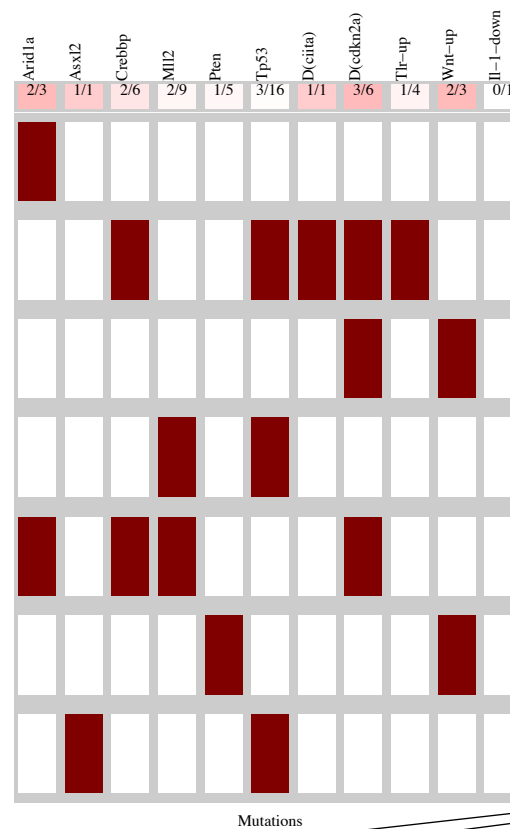
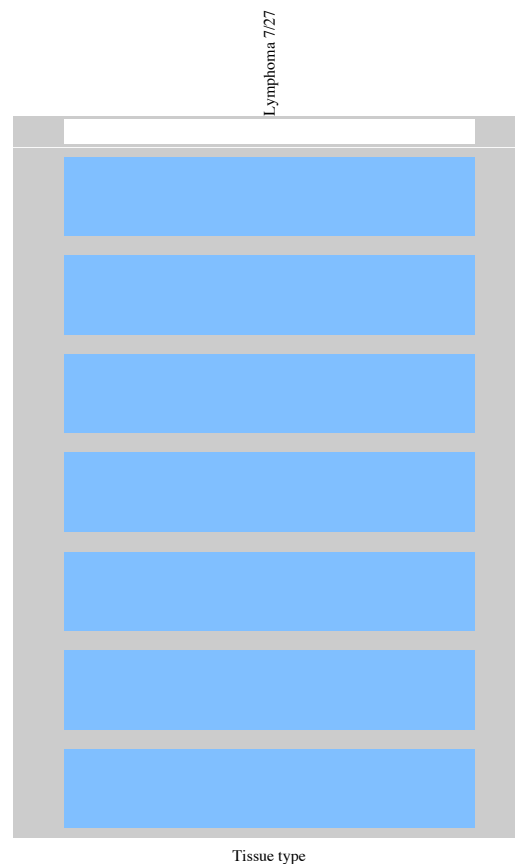
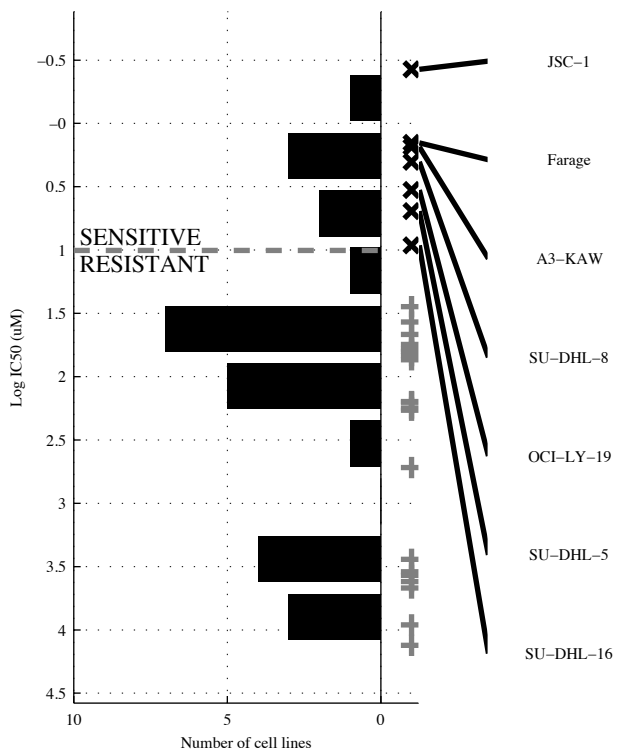
27 cell lines  
 12 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	M		M		M		M		M		M		M		M	
Logic formula	<b>MAPK o</b>		<b>~d15q15&amp;MAPK o</b>		<b>~RNF43&amp;H2O2~&amp;MAPK o</b>		<b>~d15q15&amp;H2O2~&amp;~IL-1~&amp;MAPK o</b>		<b>Wnt-UP MAPK o</b>		<b>[MAPK o &amp; Wnt-UP]</b>		<b>ASXL2   Wnt-UP   MAPK o</b>		<b>ASXL2   JAK-ST   Wnt-UP   MAPK o</b>	
TP   FP FN   TN	5   0 7   15	1 1	5   0 7   15	1 1	5   0 7   15	1 1	5   0 7   15	1 1	7   0 5   15	1 1	7   0 5   15	1 1	8   0 4   15	1 1	9   0 3   15	1 1
Specificity Precision Recall	0.42		0.42		0.42		0.42		0.58		0.58		0.67		0.75	

DLBC  
 id: 262 name: VX-11e  
 target: ERK class: ERK MAPK signaling

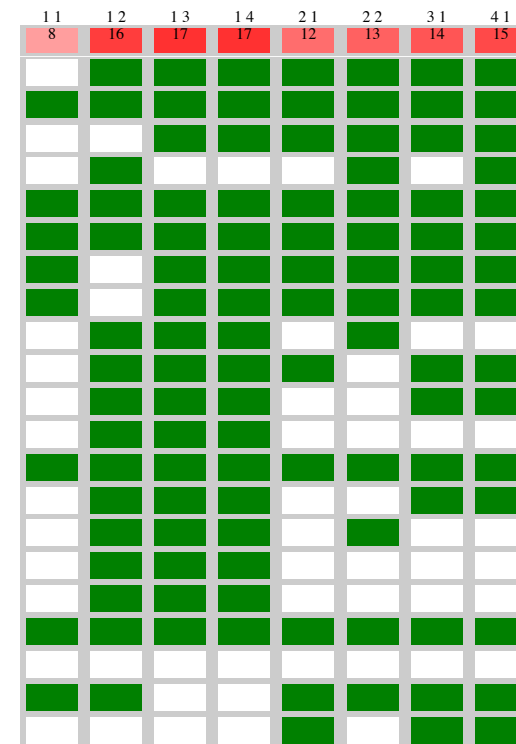
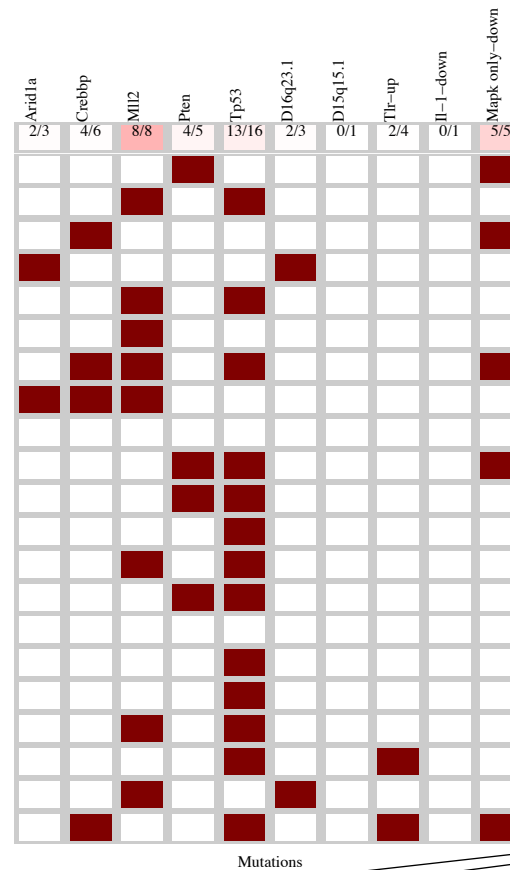
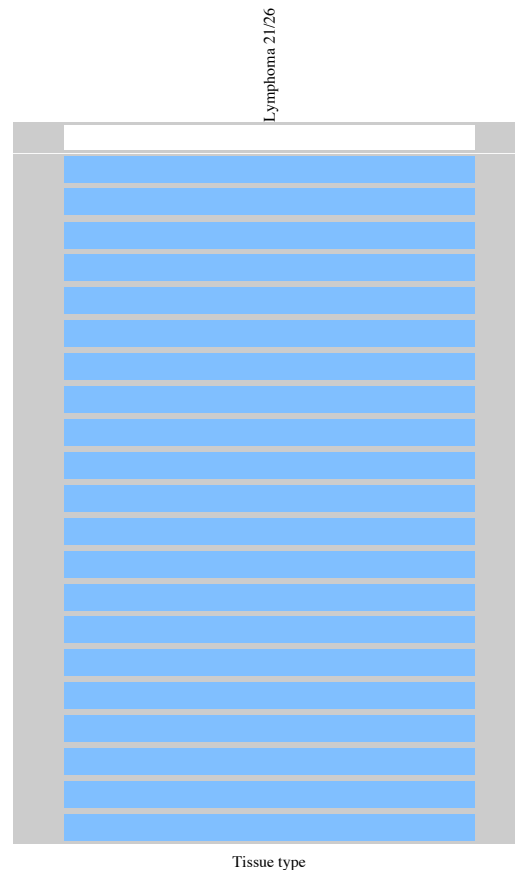
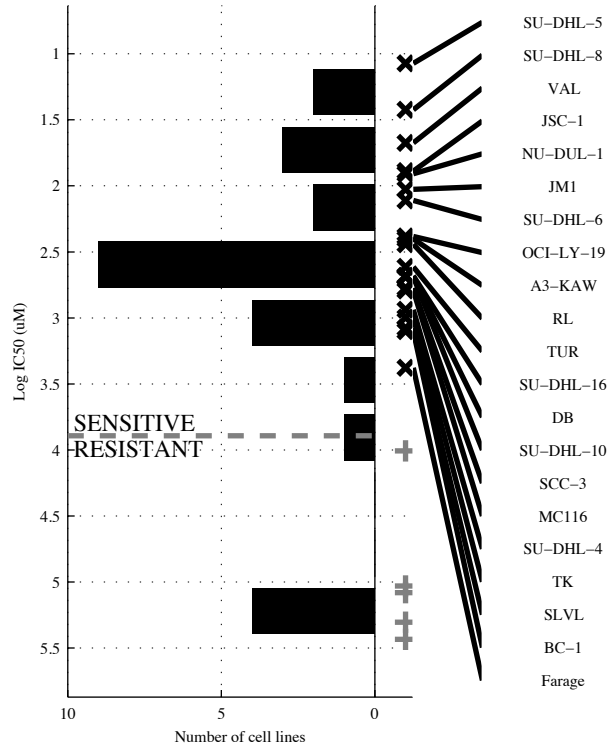
27 cell lines  
 7 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>ARID1A</b>		<b>ARID1A &amp; IL-1-D</b>		<b>-MLL2 &amp; -TP53 &amp; -TLR-UP</b>		<b>-CREBBP &amp; -MLL2 &amp; -TP53 &amp; TLR-UP</b>		<b>ARID1A   Wnt-UP</b>		<b>[ -MLL2 &amp; d(CDKN)   [ARID1A &amp; -PTEN ]</b>		<b>ARID1A   d(CIT1   Wnt-UP</b>		<b>ARID1A   ASXL2   d(CIT1   Wnt-UP</b>	
TP   FP Specificity	2   1	0.95	2   0	1	3   2	0.9	3   1	0.95	4   2	0.9	4   1	0.95	5   2	0.9	6   2	0.9
FN   TN Precision	5   19	0.67	5   20	1	4   18	0.6	4   19	0.75	3   18	0.67	3   19	0.8	2   18	0.71	1   18	0.75
Recall		0.29		0.29		0.43		0.43		0.57		0.57		0.71		0.86

DLBC  
 id: 265 name: Tubastatin A  
 target: HDAC6 class: chromain histone acetylation

26 cell lines  
 21 sensitive



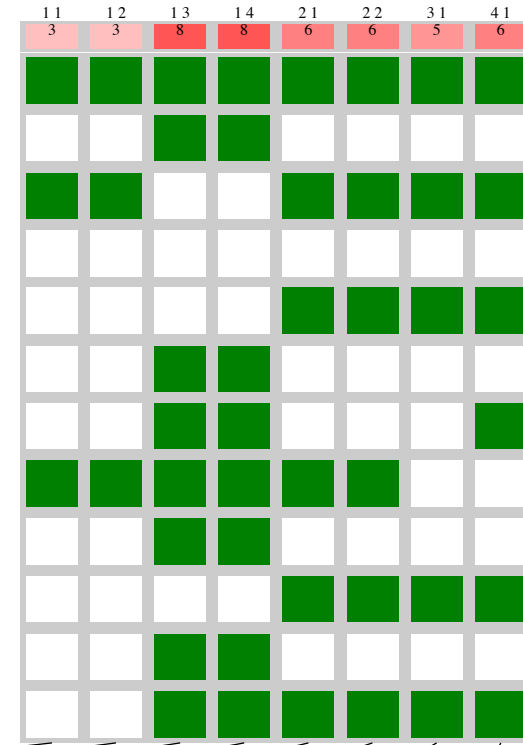
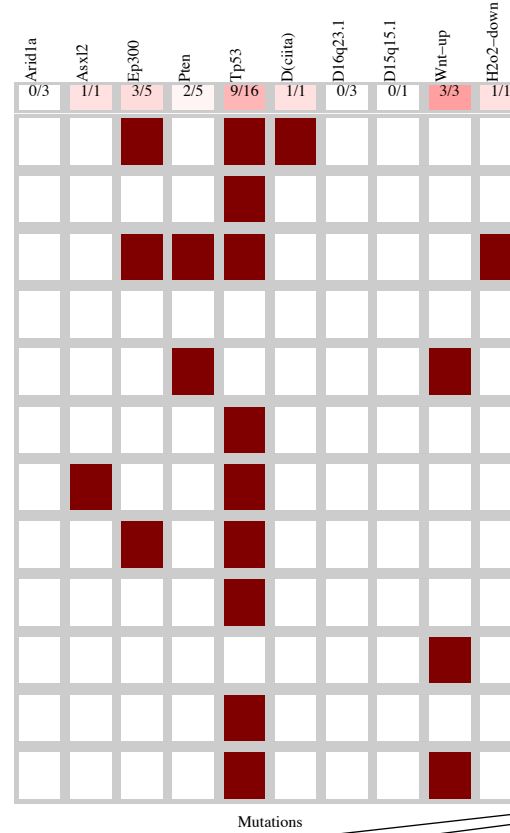
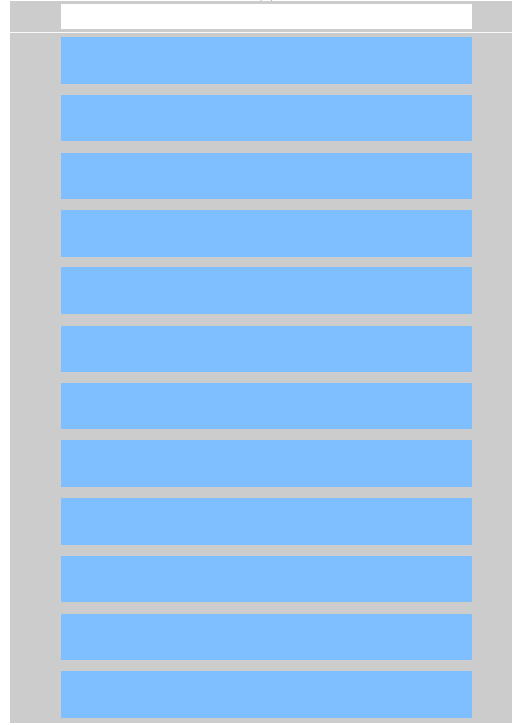
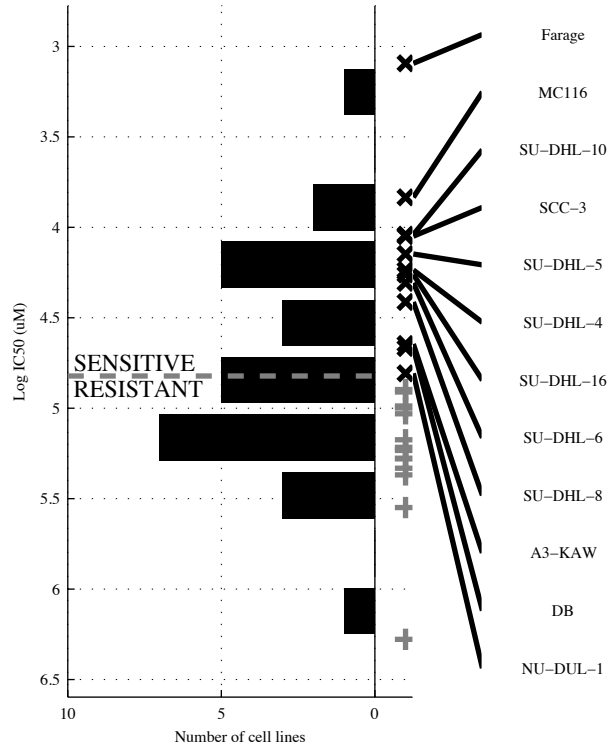
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MLL2</b>	<b>-CREBBP &amp; TLR-UP</b>	<b>-d16q23 &amp; -d15q15 &amp; -TLR-UP</b>	<b>-d16q23 &amp; -d15q15 &amp; -TLR-UP &amp; IL-1-D</b>	<b>MLL2   MAPK o</b>	<b>[ -TP53 &amp; TLR-UP ]   [ MLL2 &amp; TP53 ]</b>	<b>MLL2   PTEN   MAPK o</b>	<b>ARID1A   MLL2   PTEN   MAPK o</b>
TP   FP	8   0	16   1	17   1	17   0	12   0	13   0	14   1	15   1
FN   TN	13   5	5   4	4   4	4   5	9   5	8   5	7   4	6   4
Specificity	1	0.8	0.8	1	1	1	0.8	0.8
Precision	1	0.94	0.94	1	1	1	0.93	0.94
Recall	0.38	0.76	0.81	0.81	0.57	0.62	0.67	0.71



DLBC  
 id: 266 name: Zibotentan, ZD4054  
 target: Endothelin A Receptor class: other

27 cell lines  
 12 sensitive

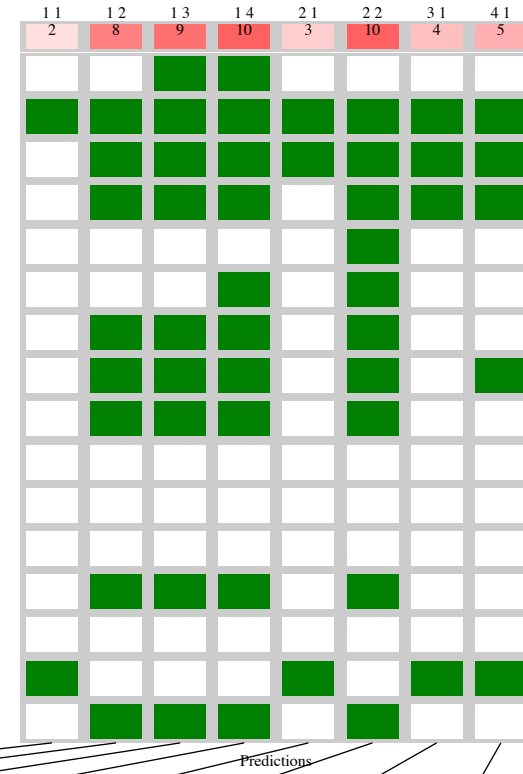
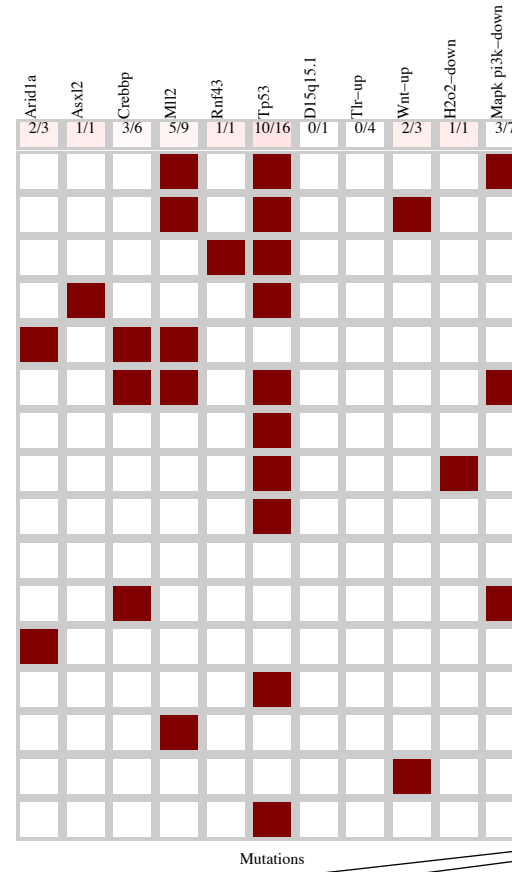
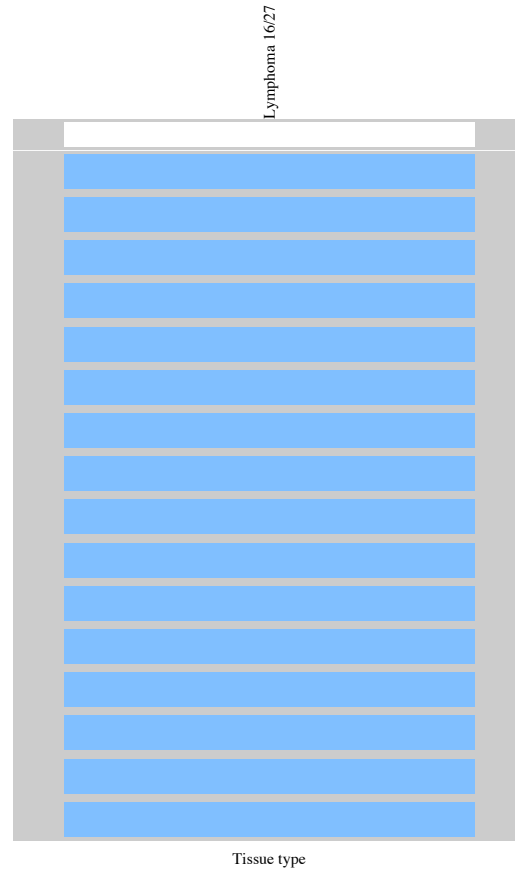
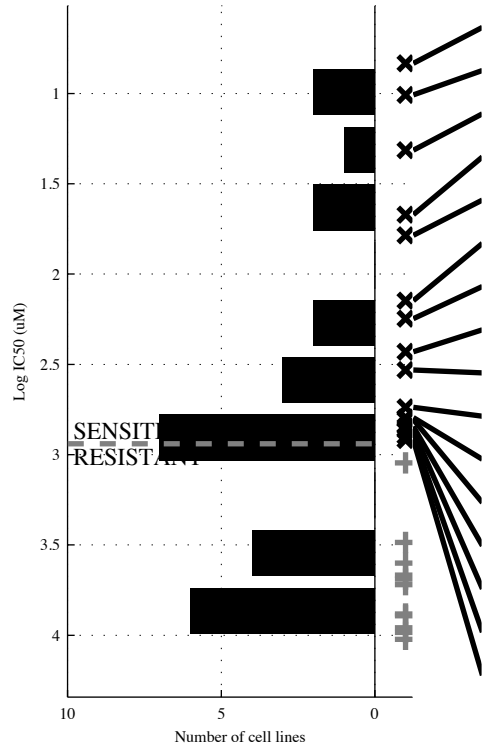
Lymphoma 12/27



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	EP300	<b>-ARID1&amp; EP300</b>	<b>-PTEN&amp; TP53 &amp; -d16q23</b>	<b>-PTEN&amp; TP53 &amp; -d16q23&amp;-d15q15</b>	<b>EP300  Wnt-UP</b>	<b>[ -ARID1&amp; EP300 ]   [Wnt-UP&amp; ]</b>	<b>d(CIT  Wnt-UP  H2O2-D</b>	<b>ASXL2   d(CIT   Wnt-UP H2O2-D</b>
TP   FP Specificity FN   TN Precision Recall	3   2 0.87 9   13 0.6 0.25	3   1 0.93 9   14 0.75 0.25	8   3 0.8 4   12 0.73 0.67	8   2 0.87 4   13 0.8 0.67	6   2 0.87 6   13 0.75 0.5	6   1 0.93 6   14 0.86 0.5	5   0 1 7   15 1 0.42	6   0 1 6   15 1 0.5

DLBC  
 id: 271 name: VNLG124  
 target: HDAC, RAR class: chromain histone acetylation

27 cell lines  
 16 sensitive

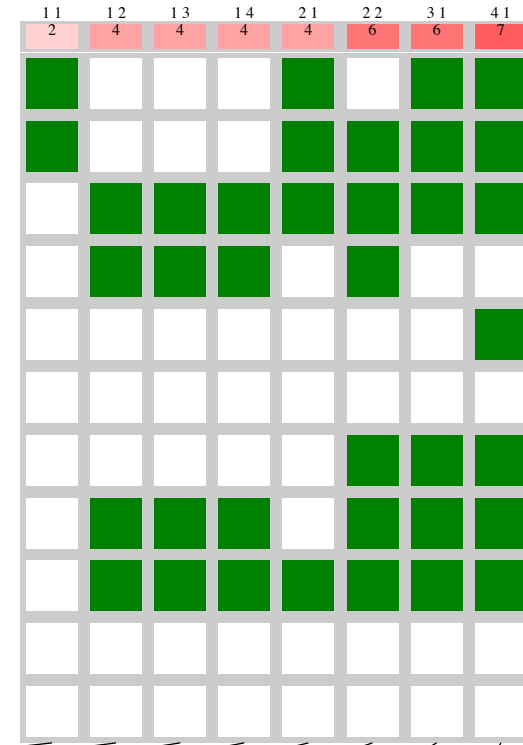
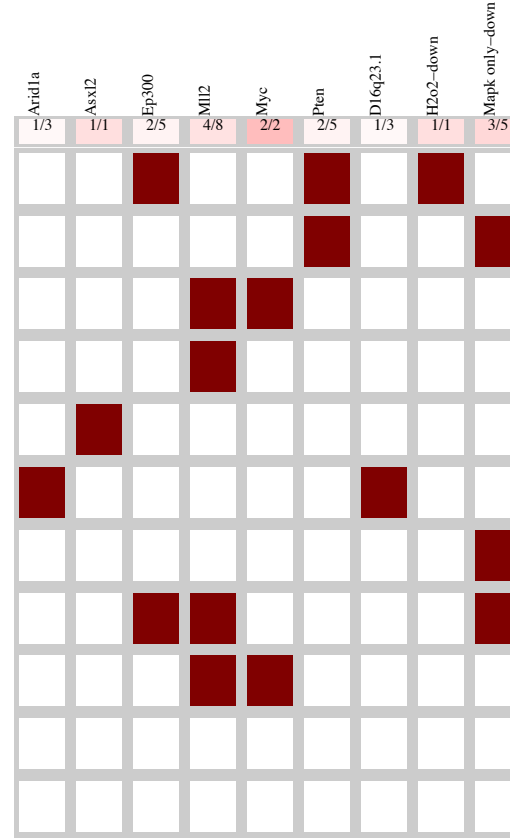
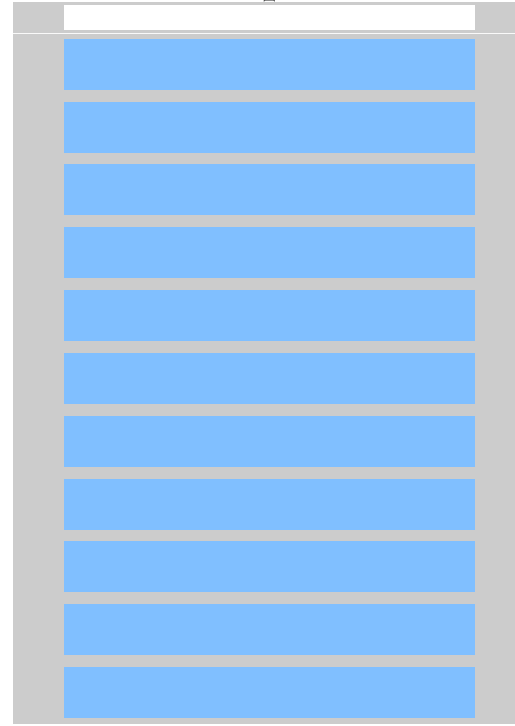
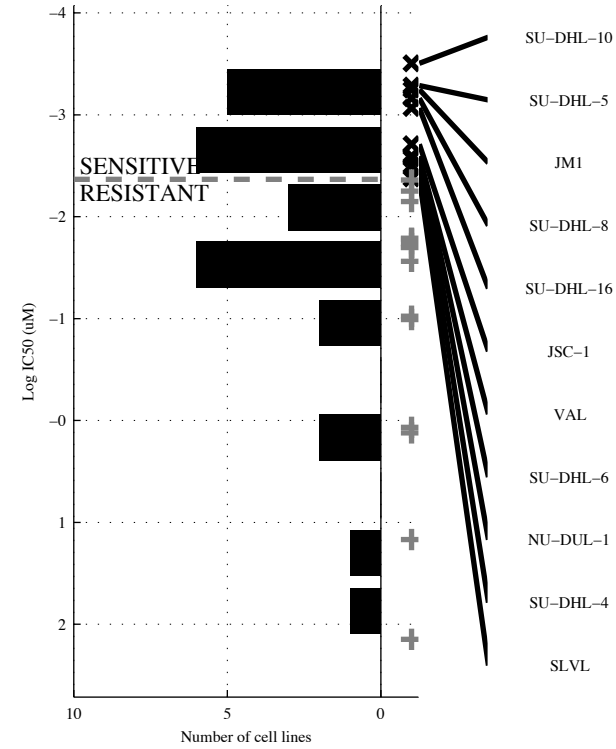


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>Wnt-UP</b>	<b>TP53 &amp; MAPK P</b>	<b>-CREBB &amp; TP53 &amp; -TLR-UP</b>	<b>-ARID1 &amp; TP53 &amp; -d15q15 &amp; TLR-UP</b>	<b>RNF43   Wnt-UP</b>	<b>[ CREBB   MLL2 ]   [ TP53 &amp; MAPK P ]</b>	<b>ASXL2   RNF43   Wnt-UP</b>	<b>ASXL2   RNF43   Wnt-UP   H2O2-D</b>
TP   FP Specificity	2   1 0.91	8   2 0.82	9   2 0.82	10   2 0.82	3   1 0.91	10   2 0.82	4   1 0.91	5   1 0.91
FN   TN Precision	14   10 0.67	8   9 0.8	7   9 0.82	6   9 0.83	13   10 0.75	6   9 0.83	12   10 0.8	11   10 0.83
Recall	0.13	0.5	0.56	0.63	0.19	0.63	0.25	0.31

DLBC  
 id: 272 name: AR-42  
 target: HDAC class: chromain histone acetylation

26 cell lines  
 11 sensitive

Lymphoma 11/26

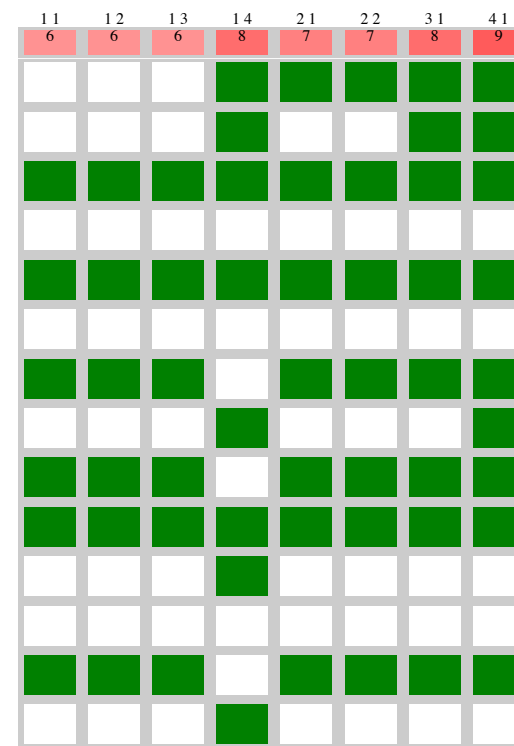
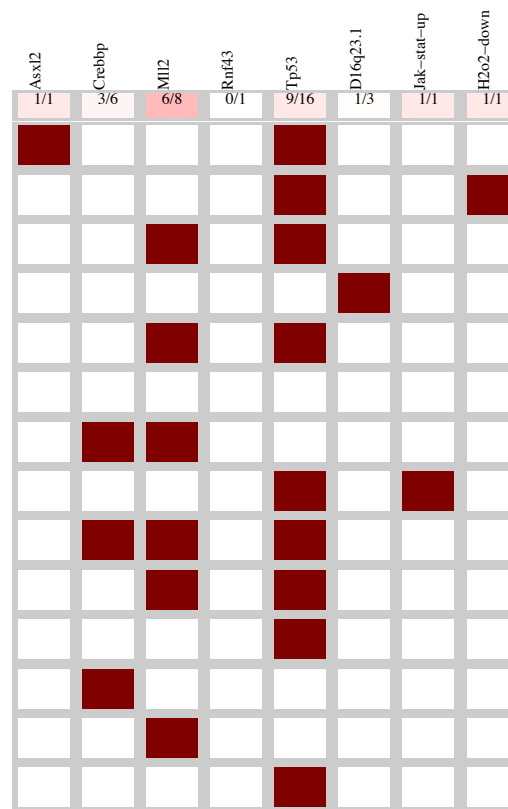
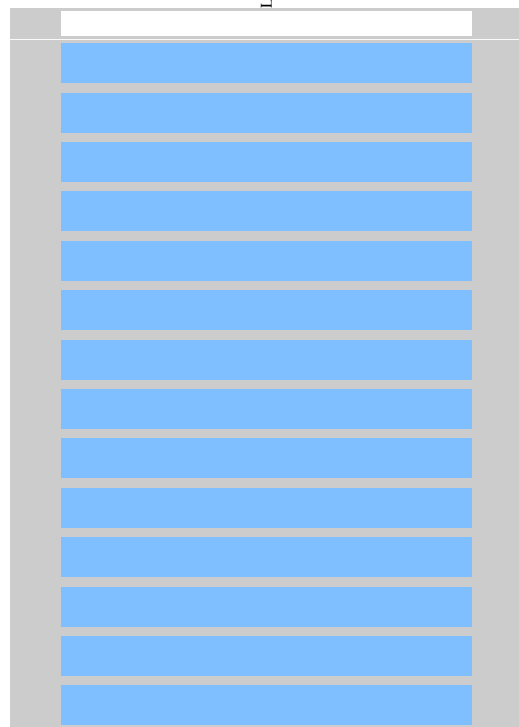
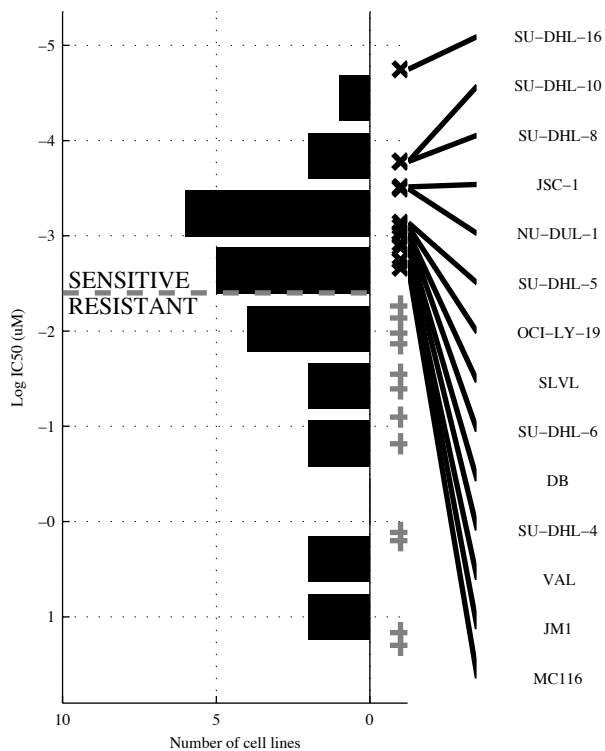


Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	1		1		1		1		2		2		3		4	
M	1		2		3		4		1		2		1		1	
Logic formula	<b>PTEN</b>		<b>MLL2 &amp; ¬d16q23</b>		<b>¬ARID1 &amp; MLL2 &amp; ¬d16q23</b>		<b>¬ARID1 &amp; MLL2 &amp; ¬PTEN &amp; ¬d16q23</b>		<b>MYC   PTEN</b>		<b>[ MLL2 &amp; ¬d16q23 ]   [ ¬EP300 &amp; MAPK o ]</b>		<b>MYC   H2O2-D   MAPK o</b>		<b>ASXL2   MYC   H2O2-D   MAPK o</b>	
TP   FP	2   3	0.8	4   3	0.8	4   2	0.87	4   2	0.87	4   3	0.8	6   3	0.8	6   2	0.87	7   2	0.87
FN   TN	9   12	0.4	7   12	0.57	7   13	0.67	7   13	0.67	7   12	0.57	5   12	0.67	5   13	0.75	4   13	0.78
Specificity	0.8		0.8		0.87		0.87		0.8		0.8		0.87		0.87	
Precision	0.4		0.57		0.67		0.67		0.57		0.67		0.75		0.78	
Recall	0.18		0.36		0.36		0.36		0.36		0.55		0.55		0.64	

DLBC  
 id: 273 name: CUDC-101  
 target: HDAC, EGFR class: chromain histone acetylation

26 cell lines  
 14 sensitive

Lymphoma 14/26

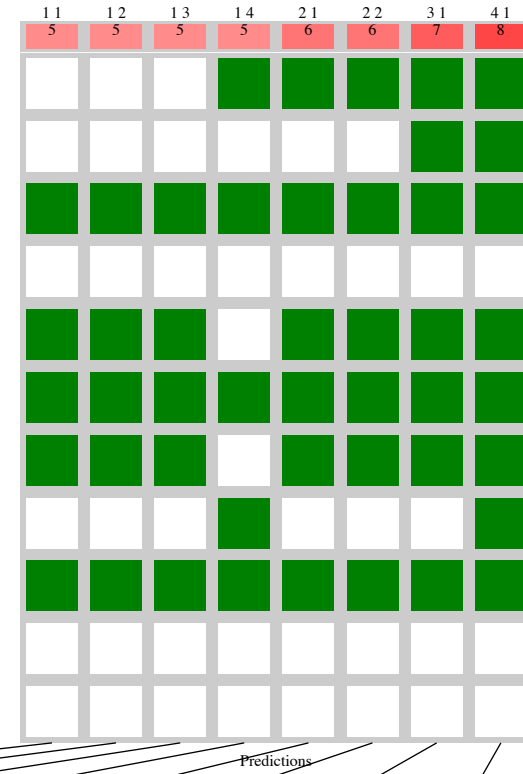
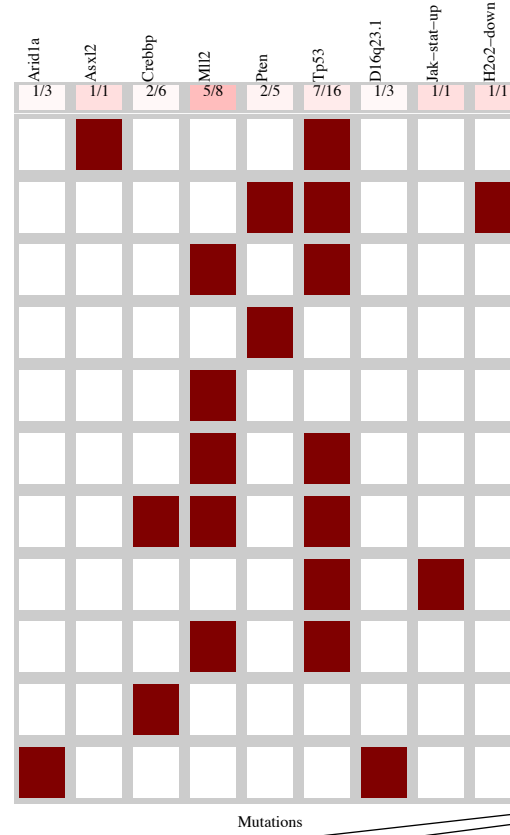
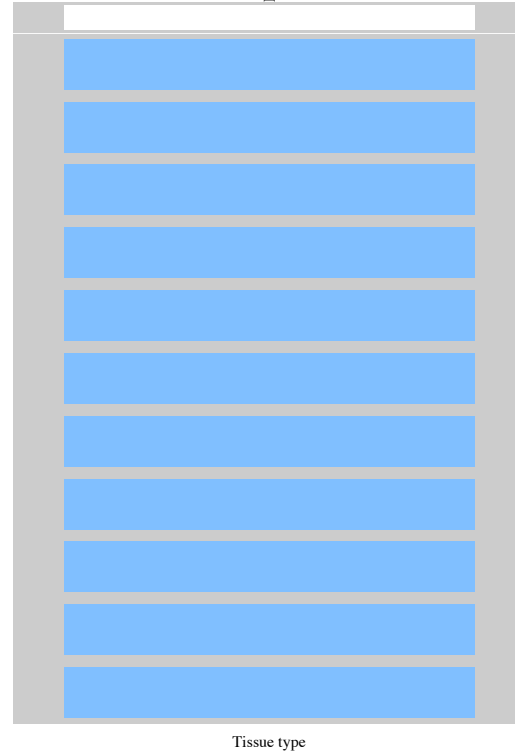
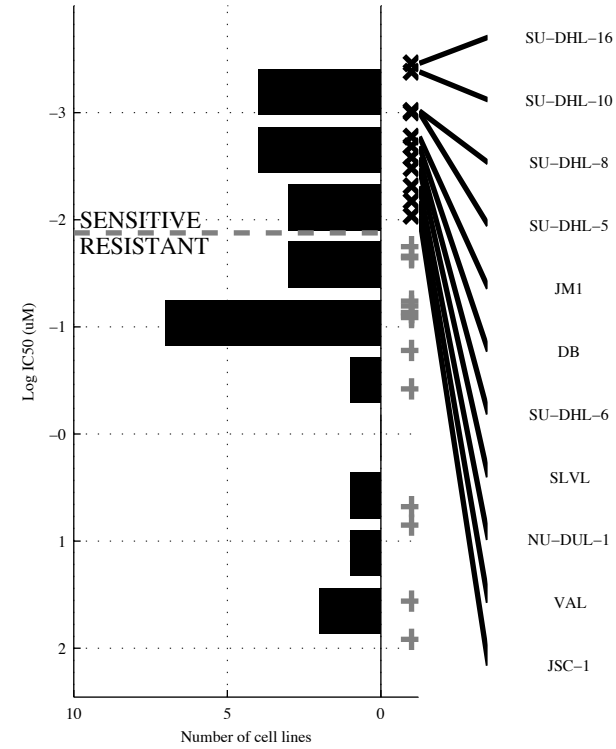


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MLL2</b>	<b>MLL2 &amp; ~d16q23</b>	<b>MLL2 &amp; ~d16q23&amp;</b>	<b>~CREBBP &amp; ~RNF43&amp;</b> <b>TP53 &amp; ~d16q23</b>	<b>ASXL2   MLL2</b>	<b>[ MLL2 &amp; ~d16q23 ]</b> <b> </b> <b>[ ASXL2&amp; ]</b>	<b>ASXL2   MLL2  </b> <b>H2O2-D</b>	<b>ASXL2   MLL2  </b> <b>JAK-STIH2O2-D</b>
TP   FP	6   2	6   1	6   1	8   2	7   2	7   1	8   2	9   2
Specificity	0.83	0.92	0.92	0.83	0.83	0.92	0.83	0.83
FN   TN	8   10	8   11	8   11	6   10	7   10	7   11	6   10	5   10
Precision	0.75	0.86	0.86	0.8	0.78	0.88	0.8	0.82
Recall	0.43	0.43	0.43	0.57	0.5	0.5	0.57	0.64

DLBC  
 id: 274 name: PXD101, Belinostat  
 target: HDAC class: chromain histone acetylation

26 cell lines  
 11 sensitive

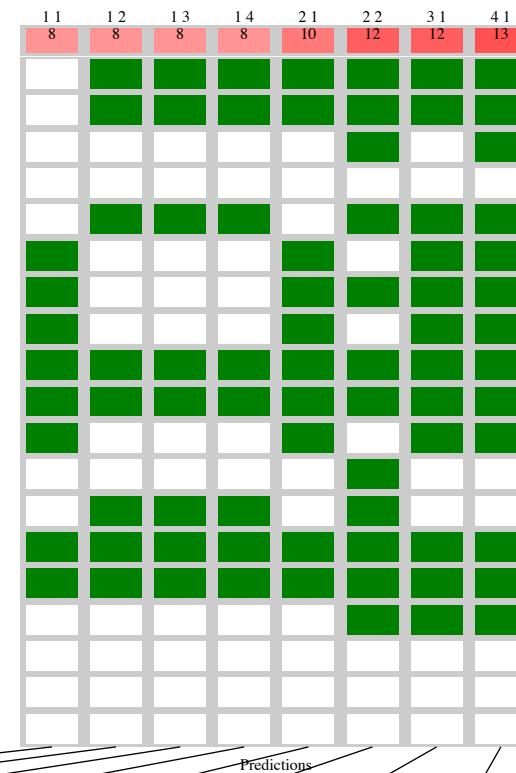
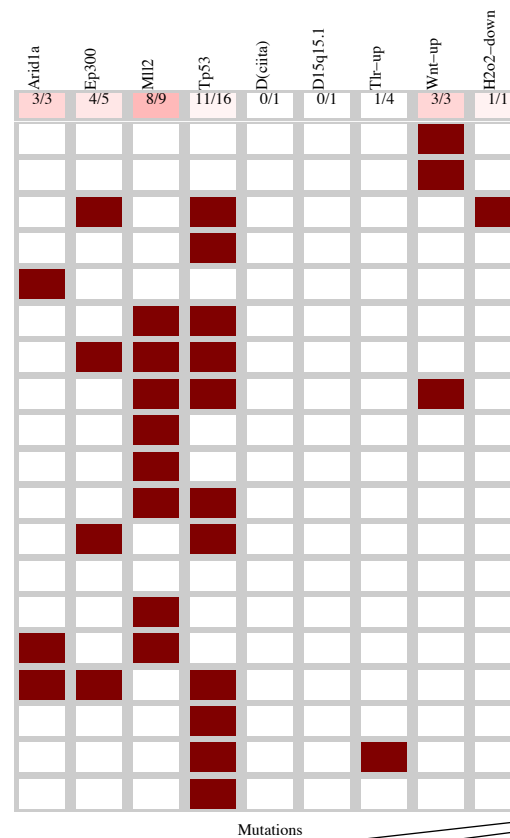
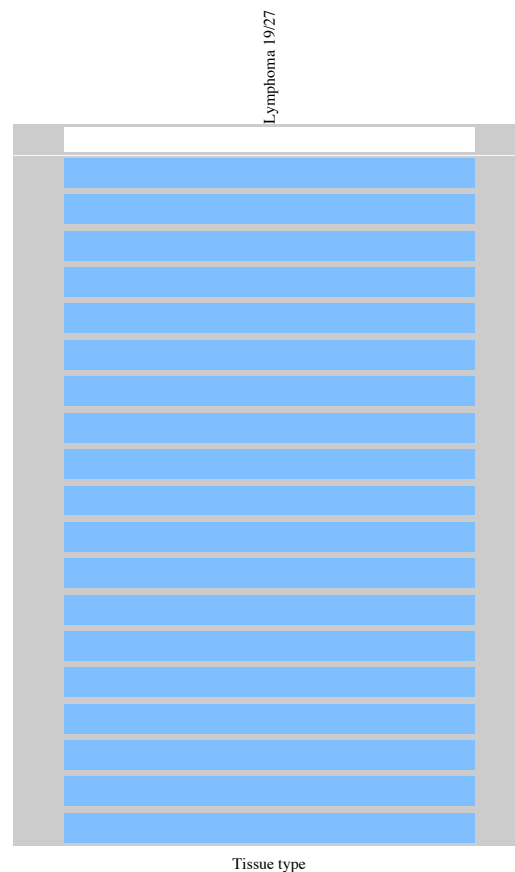
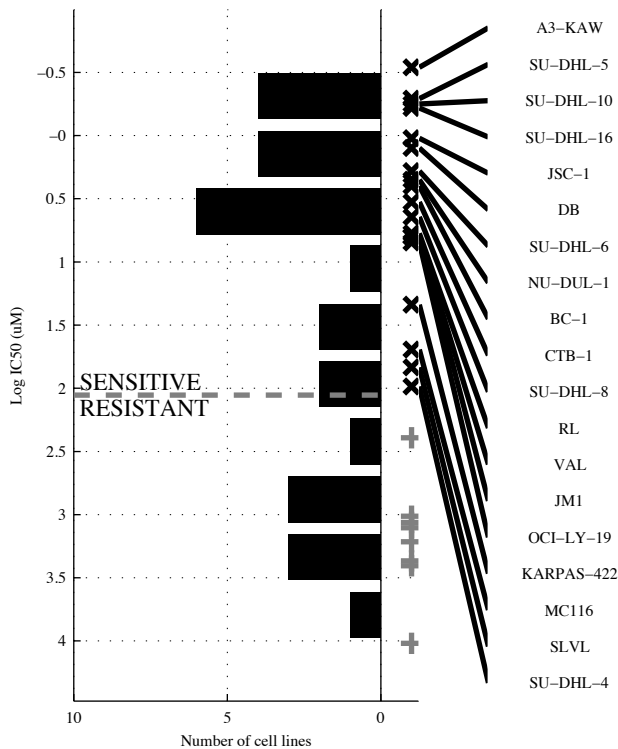
Lymphoma 11/26



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MLL2</b>	<b>MLL2 &amp; ~d16q23</b>	<b>~ARID1 &amp; MLL2 &amp; ~d16q23</b>	<b>~CREBB &amp; ~PTEN &amp; TP53 &amp; ~d16q23</b>	<b>ASXL2   MLL2</b>	<b>[ ~ARID1 &amp; ASXL2 ]   [ MLL2 &amp; ~d16q23 ]</b>	<b>ASXL2   MLL2   H2O2-D</b>	<b>ASXL2   MLL2   JAK-STIH2O2-D</b>
TP   FP	5   3	5   2	5   1	5   3	6   3	6   2	7   3	8   3
Specificity	0.8	0.87	0.93	0.8	0.8	0.87	0.8	0.8
FN   TN	6   12	6   13	6   14	6   12	5   12	5   13	4   12	3   12
Precision	0.63	0.71	0.83	0.63	0.67	0.75	0.7	0.73
Recall	0.45	0.45	0.45	0.45	0.55	0.55	0.64	0.73

DLBC  
 id: 275 name: I-BET 151  
 target: BRD2, BRD3, BRD4 class: chromatin other

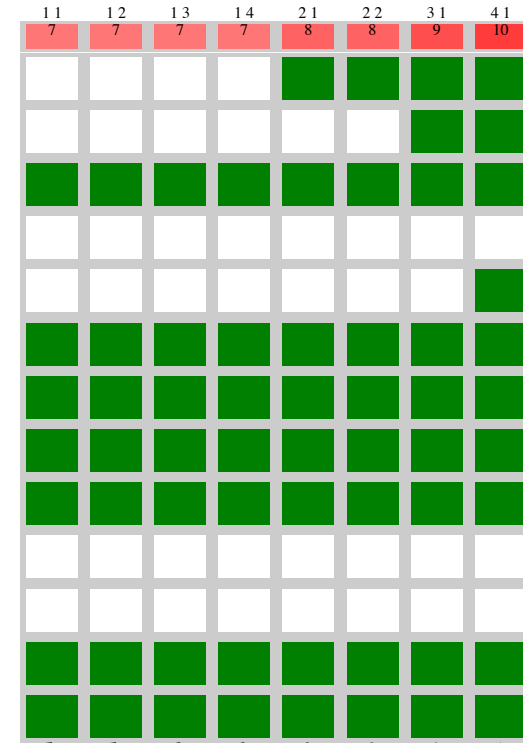
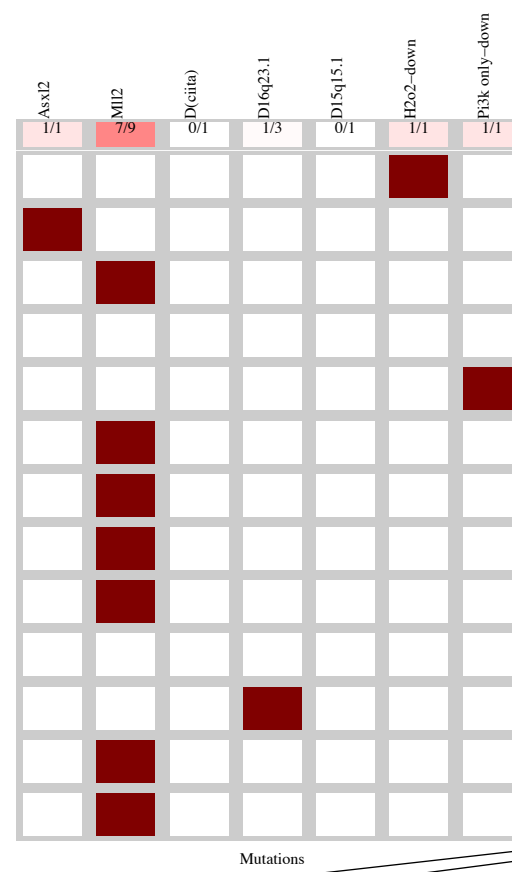
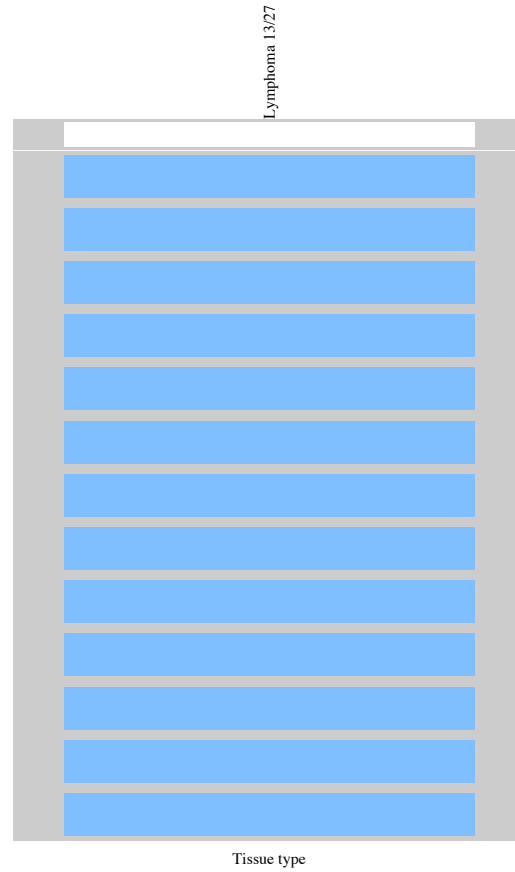
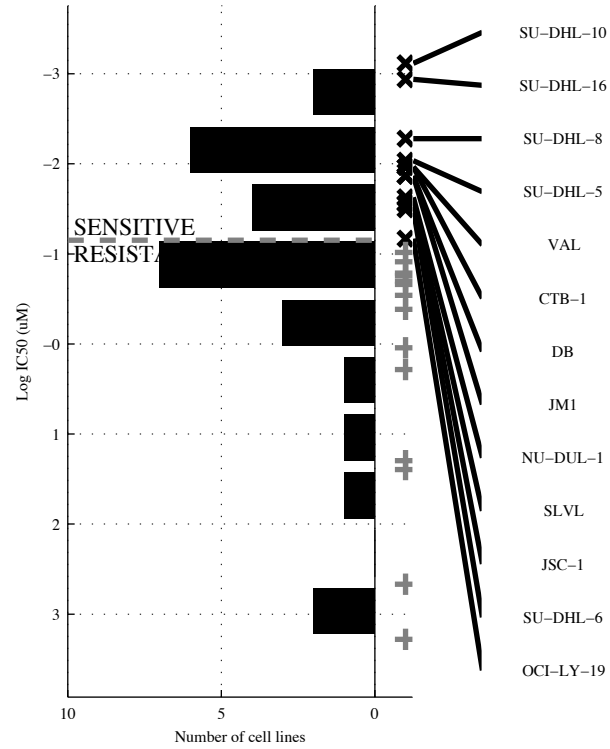
27 cell lines  
 19 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	1		1		1		1		2		2		3		4	
M	1		2		3		4		1		2		1		1	
Logic formula	<b>MLL2</b>		<b>-TP53 &amp; TLR-UP</b>		<b>-TP53 &amp; -d(CIT&amp;</b>		<b>-TP53 &amp; -d(CIT&amp;</b>		<b>MLL2   Wnt-UP</b>		<b>[ EP300 &amp; -d(CIT ]</b>		<b>ARID1A   MLL2  </b>		<b>ARID1A   MLL2  </b>	
					<b>-TLR-UP</b>		<b>-d15q15 &amp; TLR-UP</b>				<b>[ -TP53 &amp; TLR-UP ]</b>		<b>Wnt-UP</b>		<b>Wnt-UP   H2O2-D</b>	
TP   FP	8   1	0.88	8   1	0.88	8   1	0.88	8   1	0.88	10   1	0.88	12   1	0.88	12   1	0.88	13   1	0.88
FN   TN	11   7	0.89	11   7	0.89	11   7	0.89	11   7	0.89	9   7	0.91	7   7	0.92	7   7	0.92	6   7	0.93
Specificity	0.88		0.88		0.88		0.88		0.88		0.88		0.88		0.88	
Precision	0.89		0.89		0.89		0.89		0.91		0.92		0.92		0.93	
Recall	0.42		0.42		0.42		0.42		0.53		0.63		0.63		0.68	

DLBC  
 id: 276 name: CAY10603  
 target: HDAC6 class: chromain histone acetylation

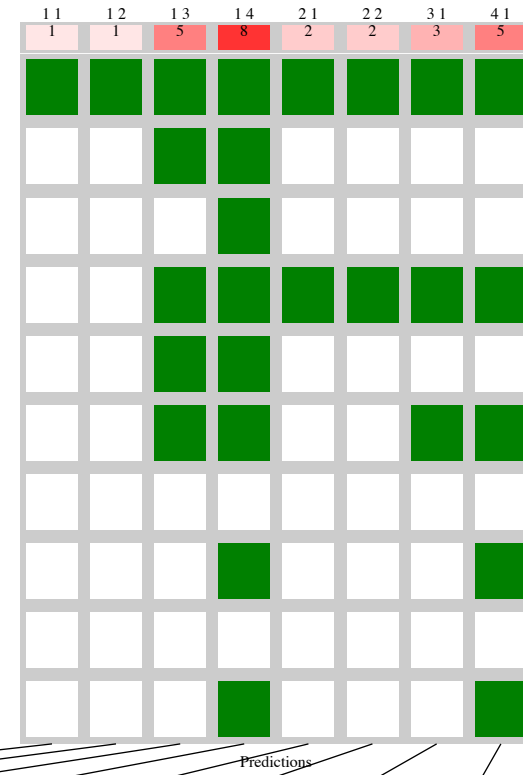
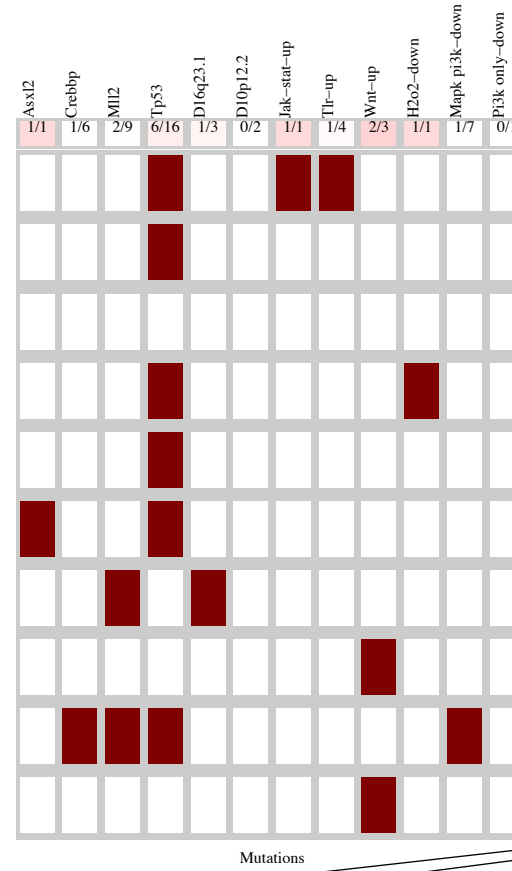
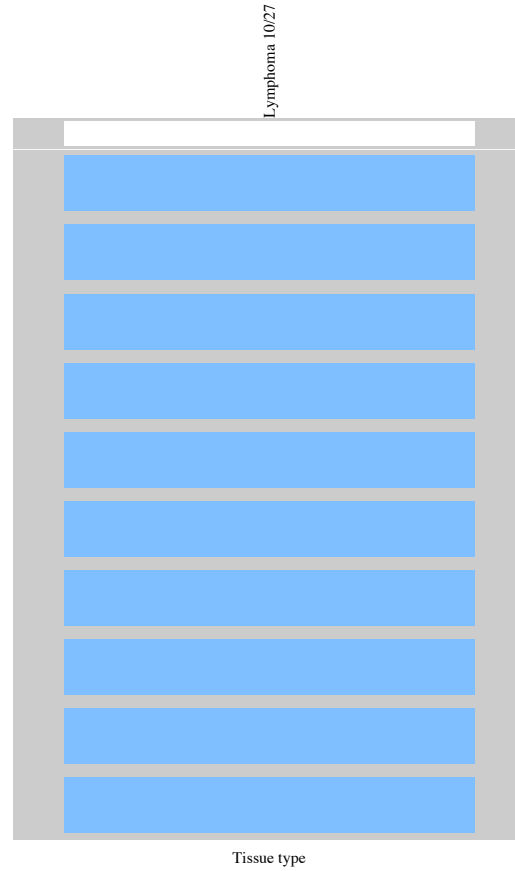
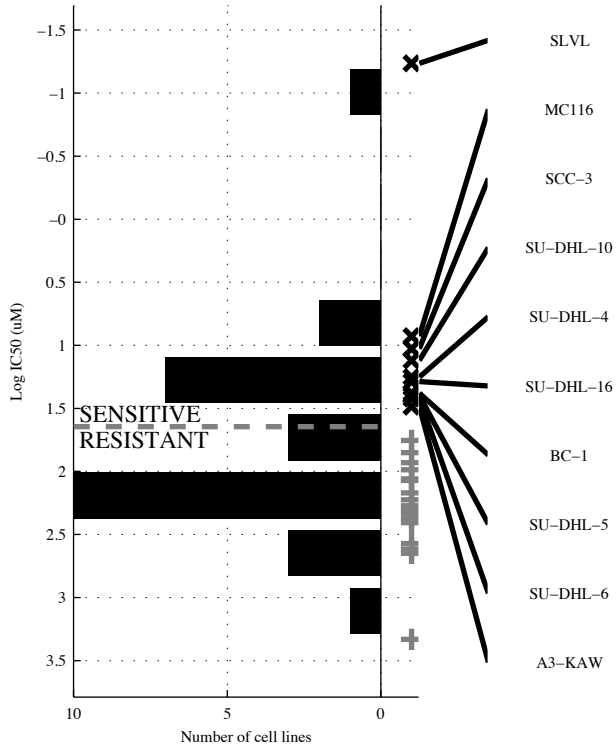
27 cell lines  
 13 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MLL2</b>	<b>MLL2 &amp; -d16q23</b>	<b>MLL2 &amp; -d16q23 &amp; -d15q15</b>	<b>MLL2 &amp; -d(CIT1 &amp; -d16q23 &amp; -d15q15</b>	<b>MLL2   H2O2-D</b>	<b>[ MLL2 &amp; -d16q23 ]   [H2O2-D &amp; -d15q15]</b>	<b>ASXL2   MLL2   H2O2-D</b>	<b>ASXL2   MLL2   H2O2-D   PI3K o</b>
TP   FP	7   2	7   1	7   1	7   1	8   2	8   1	9   2	10   2
Specificity	0.86	0.93	0.93	0.93	0.86	0.93	0.86	0.86
FN   TN	6   12	6   13	6   13	6   13	5   12	5   13	4   12	3   12
Precision	0.78	0.88	0.88	0.88	0.8	0.89	0.82	0.83
Recall	0.54	0.54	0.54	0.54	0.62	0.62	0.69	0.77

DLBC  
 id: 277 name: ABT-869  
 target: VEGFR and PDGFR family class: RTK signaling

27 cell lines  
 10 sensitive

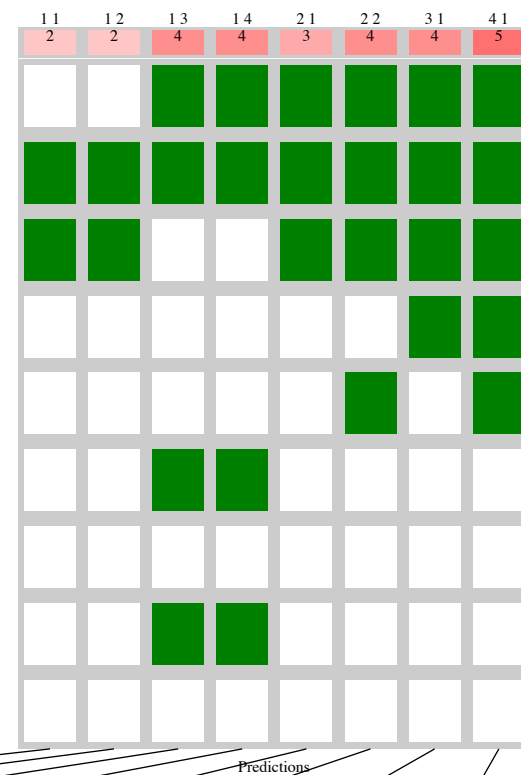
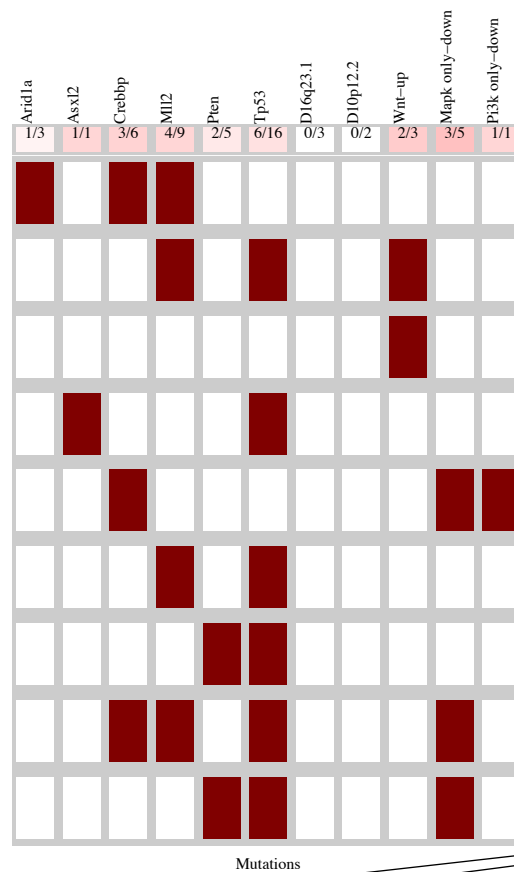
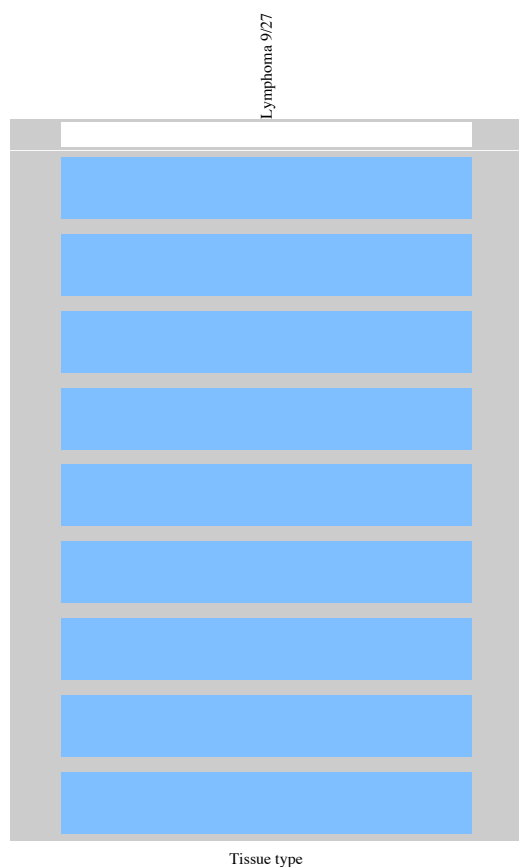
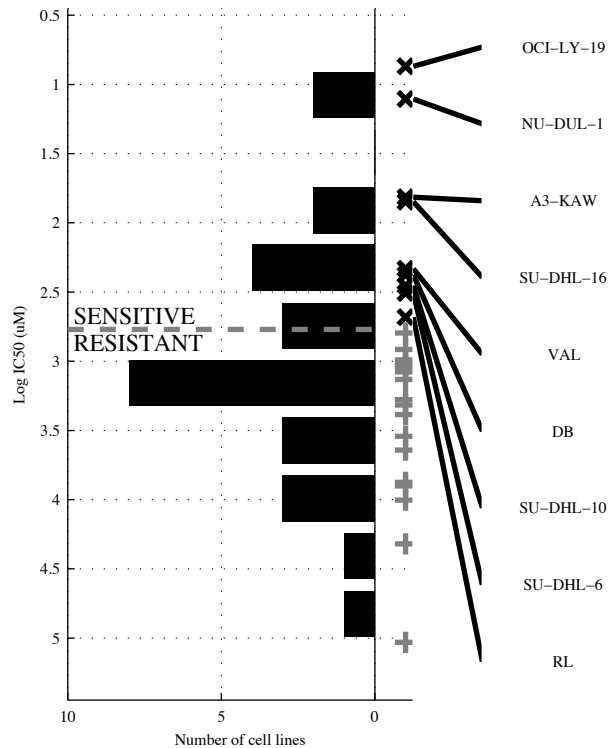


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>JAK-ST</b>	<b>JAK-ST &amp;</b>	<b>¬MLL2 &amp; TP53 &amp;</b> <b>¬MAPK P</b>	<b>¬CREBB &amp; ¬MLL2 &amp;</b> <b>¬d16q23 &amp; ¬d10p12</b>	<b>JAK-ST   H2O2-D</b>	<b>[H2O2-D &amp; ¬PI3K o]</b> <b> </b> <b>[JAK-ST &amp; TLR-UP]</b>	<b>ASXL2   JAK-ST  </b> <b>H2O2-D</b>	<b>ASXL2   JAK-ST  </b> <b>Wnt-UP   H2O2-D</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{9} \mid \frac{0}{17}$ 1 0.1	$\frac{1}{9} \mid \frac{0}{17}$ 1 0.1	$\frac{5}{5} \mid \frac{3}{14}$ 0.82 0.63 0.5	$\frac{8}{2} \mid \frac{3}{14}$ 0.82 0.73 0.8	$\frac{2}{8} \mid \frac{0}{17}$ 1 0.2	$\frac{2}{8} \mid \frac{0}{17}$ 1 0.2	$\frac{3}{7} \mid \frac{0}{17}$ 1 0.3	$\frac{5}{5} \mid \frac{1}{16}$ 0.94 0.83 0.5



DLBC  
 id: 279 name: BIX02189  
 target: MAP2K5 (MEK5) class: other

27 cell lines  
 9 sensitive

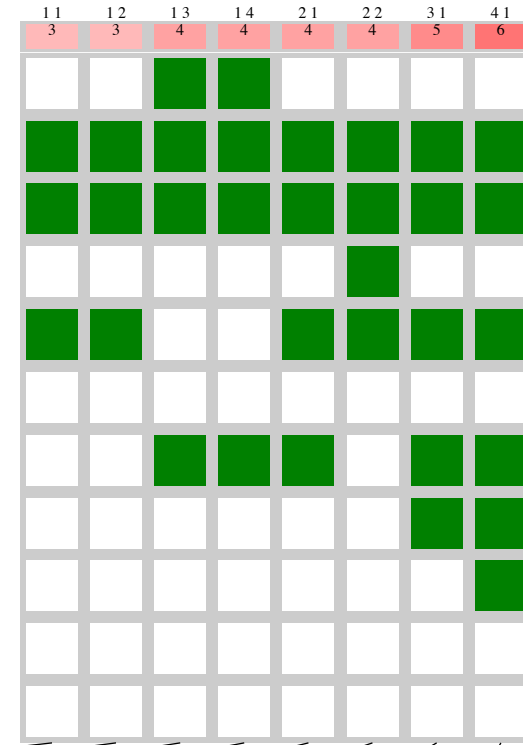
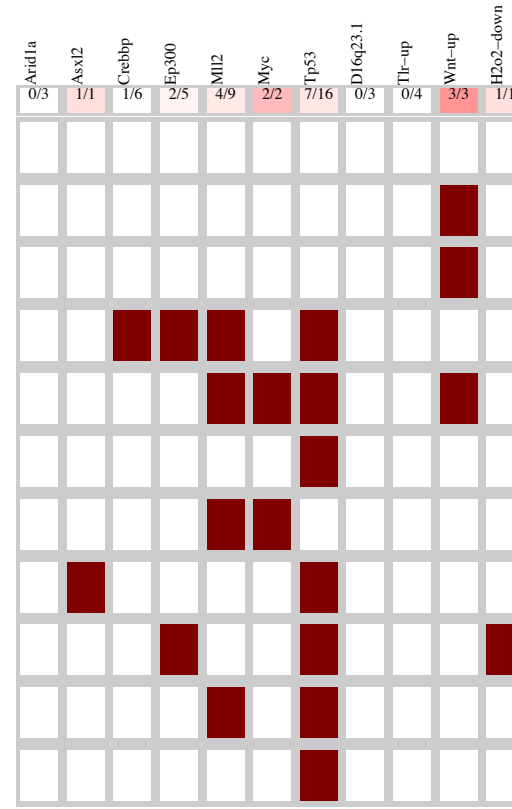
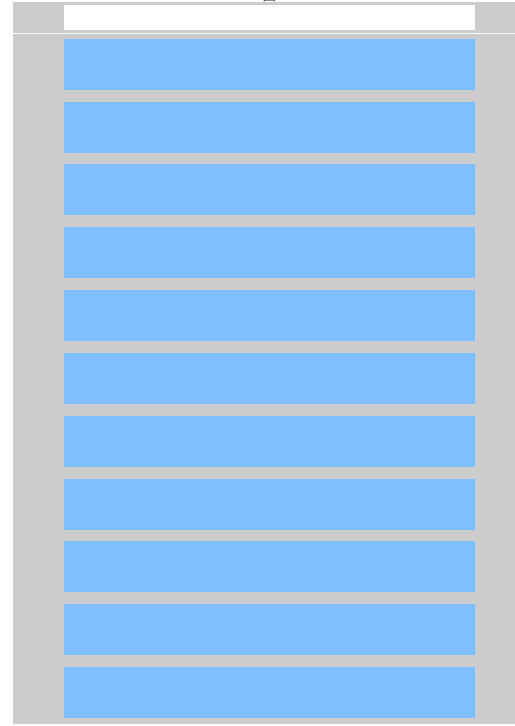
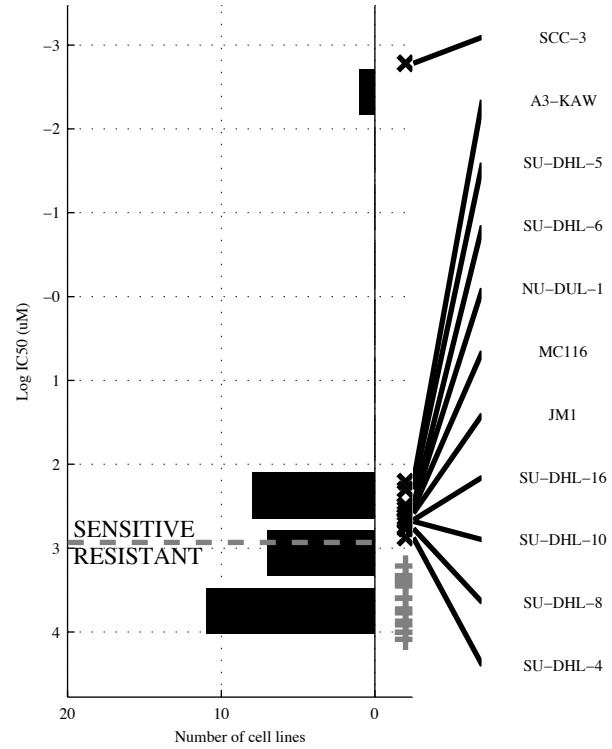


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>Wnt-UP</b>	<b>-PTEN &amp; Wnt-UP</b>	<b>MLL2 &amp; -d16q23 &amp; -d10p12</b>	<b>MLL2 &amp; -PTEN &amp; -d16q23 &amp; -d10p12</b>	<b>ARID1A   Wnt-UP</b>	<b>[Wnt-UP &amp; MAPK d   [CREBBI &amp; -TP53 ]</b>	<b>ARID1A   ASXL2   Wnt-UP</b>	<b>ARID1A   ASXL2   Wnt-UP   PI3K o</b>
TP   FP	2   1	2   0	4   3	4   3	3   3	4   0	4   3	5   3
Specificity	0.94	1	0.83	0.83	0.83	1	0.83	0.83
FN   TN	7   17	7   18	5   15	5   15	6   15	5   18	5   15	4   15
Precision	0.67	1	0.57	0.57	0.5	1	0.57	0.63
Recall	0.22	0.22	0.44	0.44	0.33	0.44	0.44	0.56

DLBC  
 id: 281 name: CH5424802  
 target: ALK class: RTK signaling

27 cell lines  
 11 sensitive

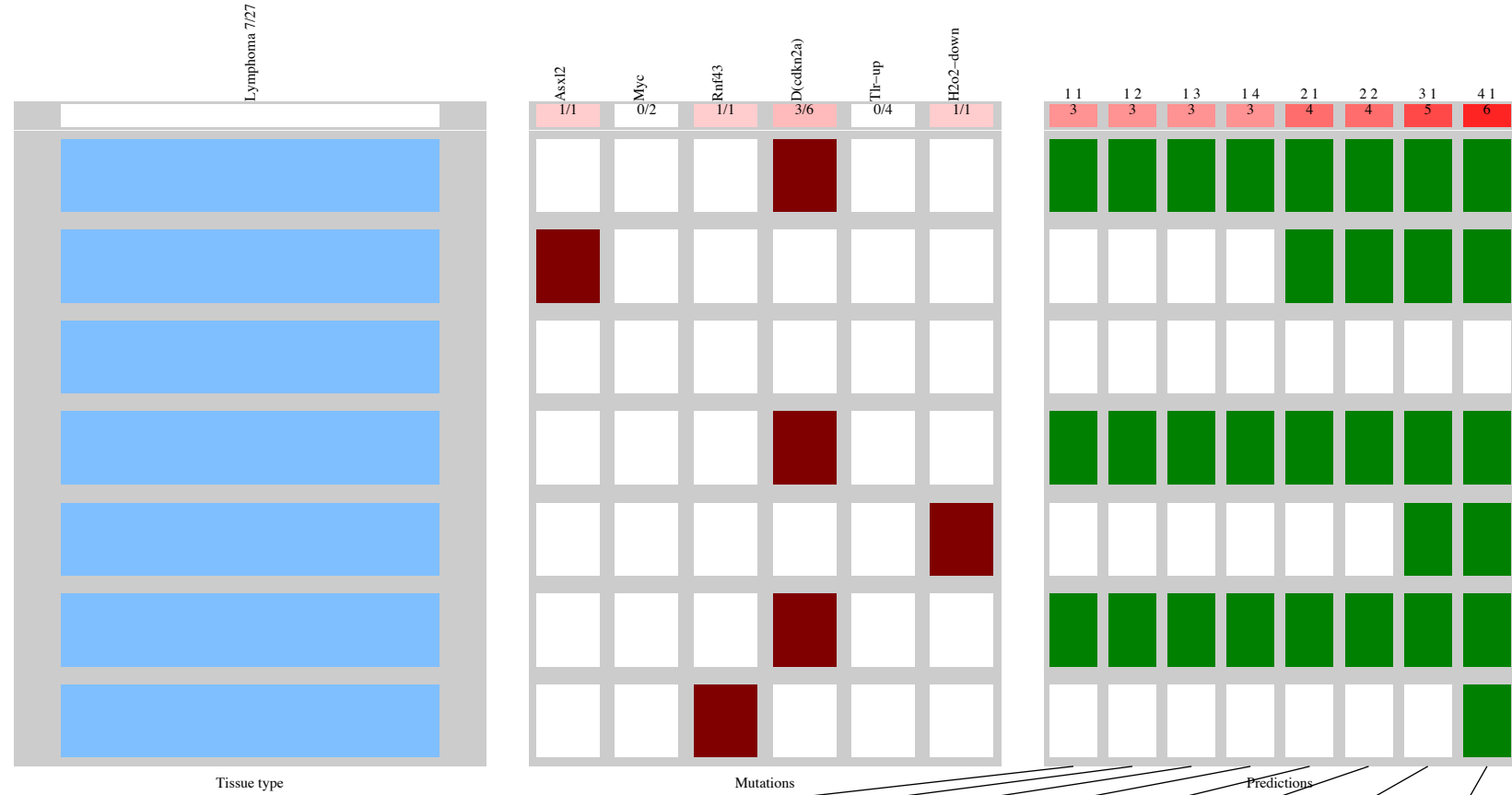
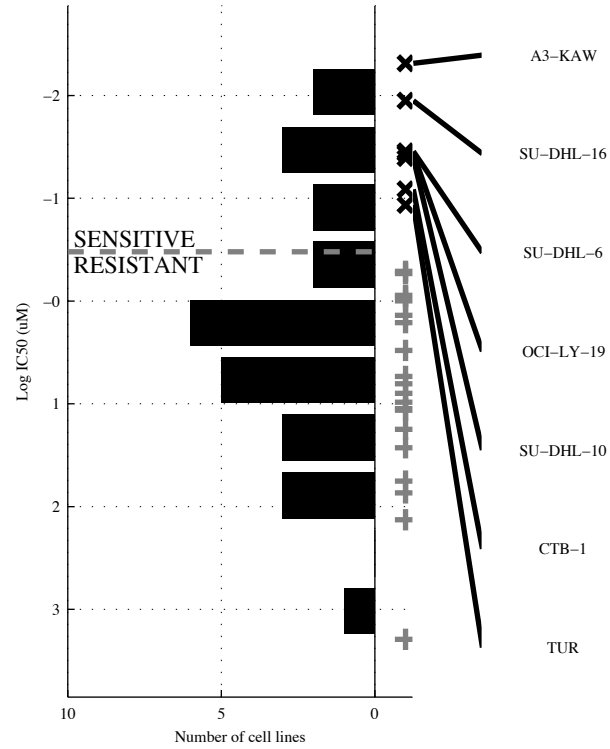
Lymphoma 11/27



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>Wnt-UP</b>	<b>Wnt-UP &amp;</b>	<b>-ARID1 &amp; -TP53 &amp;</b> <b>-TLR-UP</b>	<b>-CREBB &amp; -TP53 &amp;</b> <b>-d16q23 &amp; TLR-UP</b>	<b>MYC   Wnt-UP</b>	<b>[ Wnt-UP &amp; ]</b> <b> </b> <b>[ EP300 &amp; MLL2 ]</b>	<b>ASXL2   MYC  </b> <b>Wnt-UP</b>	<b>ASXL2   MYC  </b> <b>Wnt-UP   H2O2-D</b>
TP   FP	3   0	3   0	4   3	4   1	4   0	4   0	5   0	6   0
Specificity	1	1	0.81	0.94	1	1	1	1
FN   TN	8   16	8   16	7   13	7   15	7   16	7   16	6   16	5   16
Precision	1	1	0.57	0.8	1	1	1	1
Recall	0.27	0.27	0.36	0.36	0.36	0.36	0.45	0.55

DLBC  
 id: 282 name: EKB-569  
 target: EGFR class: EGFR signaling

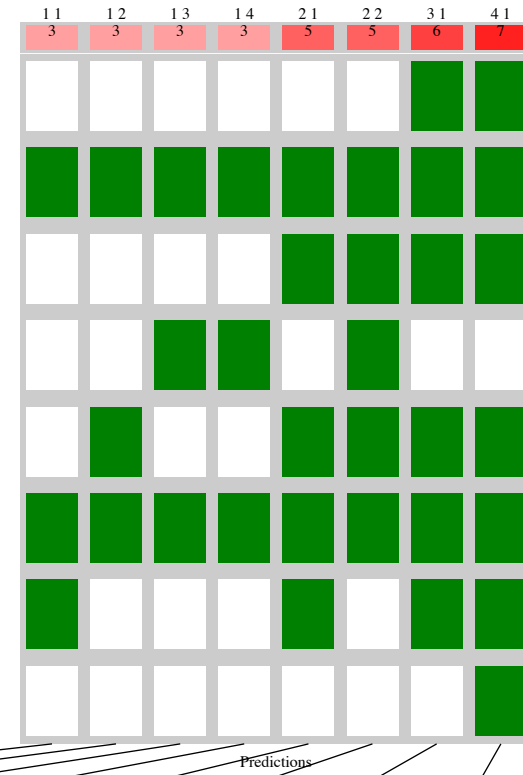
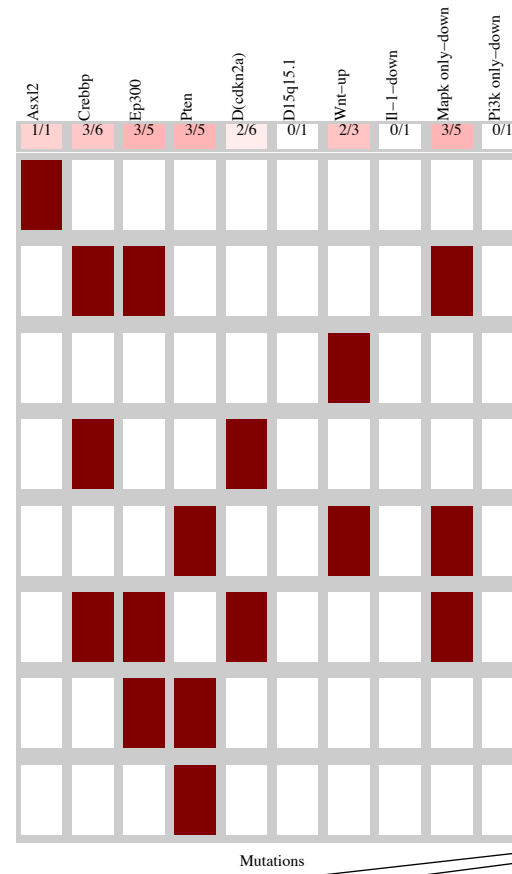
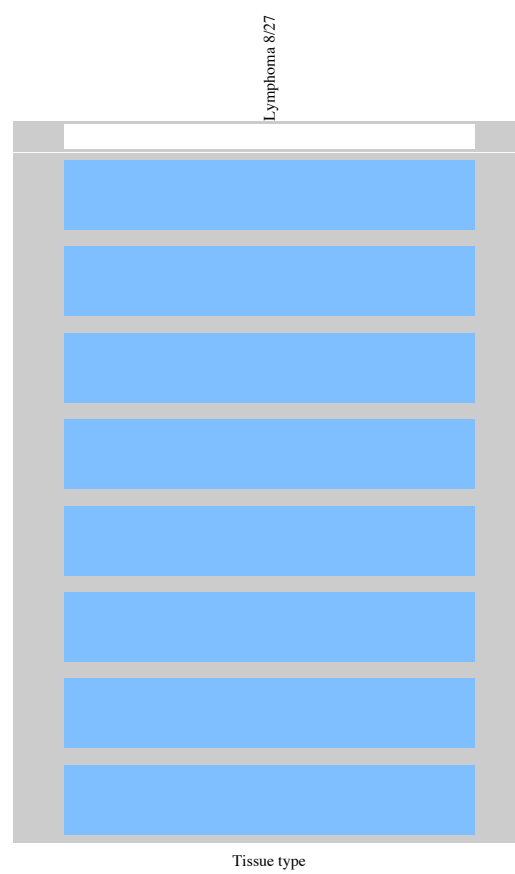
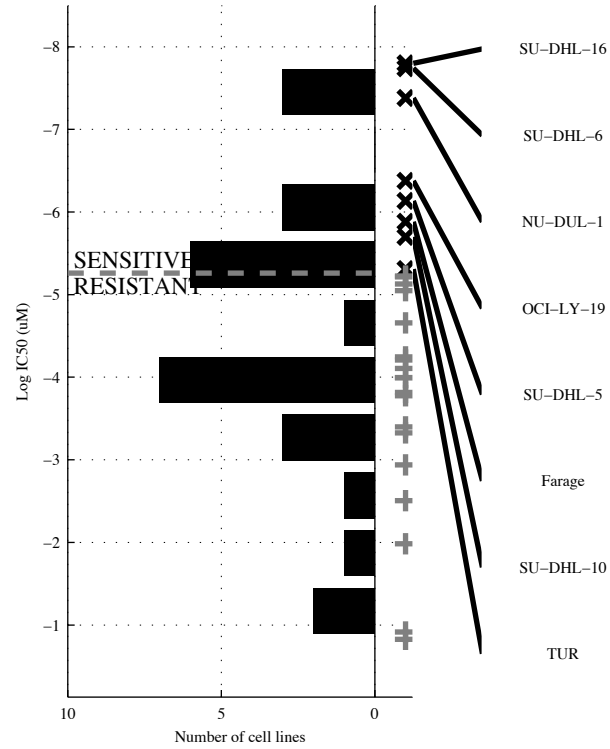
27 cell lines  
 7 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	M															
Logic formula	<b>d(CDKN)</b>		<b>d(CDKN &amp; TLR-UP)</b>		<b>¬MYC &amp; d(CDKN &amp; TLR-UP)</b>		<b>¬MYC &amp; d(CDKN &amp; TLR-UP)</b>		<b>ASXL2   d(CDKN &amp; TLR-UP)</b>		<b>[d(CDKN &amp; TLR-UP)   ASXL2 &amp; H2O2-D]</b>		<b>ASXL2   d(CDKN &amp; TLR-UP)   H2O2-D</b>		<b>ASXL2   RNF43   d(CDKN)   H2O2-D</b>	
TP   FP	3   3	0.85	3   1	0.95	3   0	1	3   0	1	4   3	0.85	4   1	0.95	5   3	0.85	6   3	0.85
FN   TN	4   17	0.5	4   19	0.75	4   20	1	4   20	1	3   17	0.57	3   19	0.8	2   17	0.63	1   17	0.67
Recall	0.43		0.43		0.43		0.43		0.57		0.57		0.71		0.86	

DLBC  
 id: 283 name: GSK2126458  
 target: PI3K, MTOR class: PI3K signaling

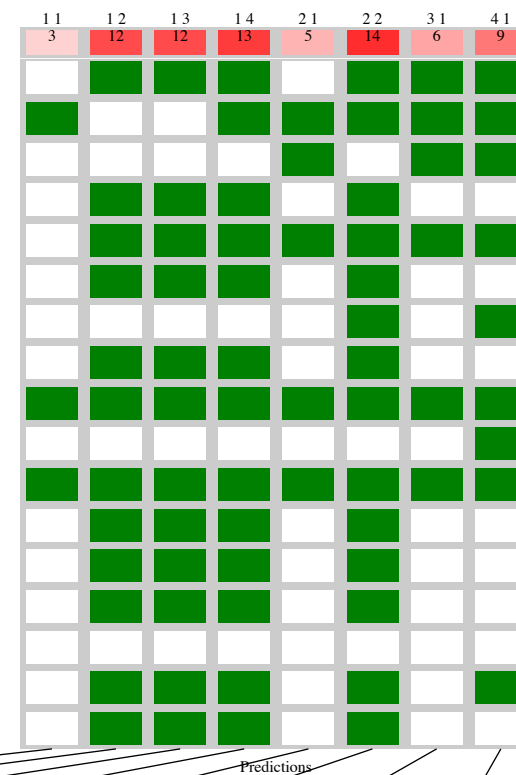
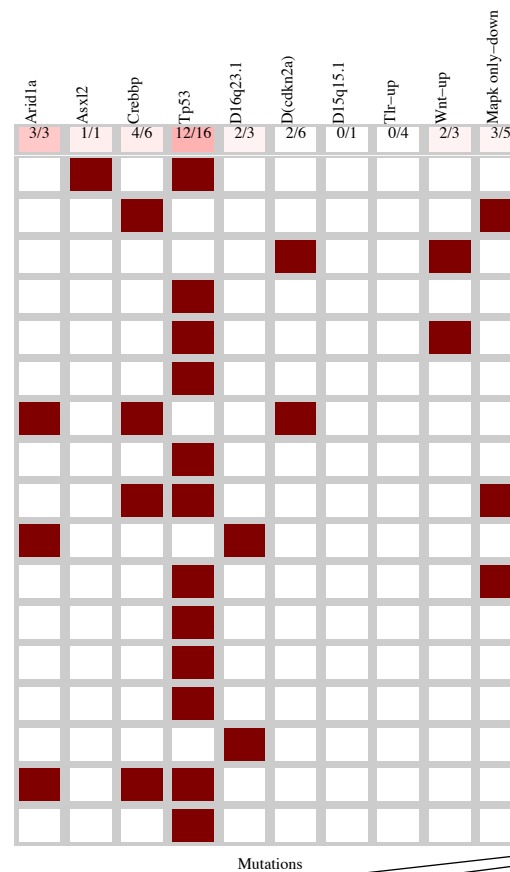
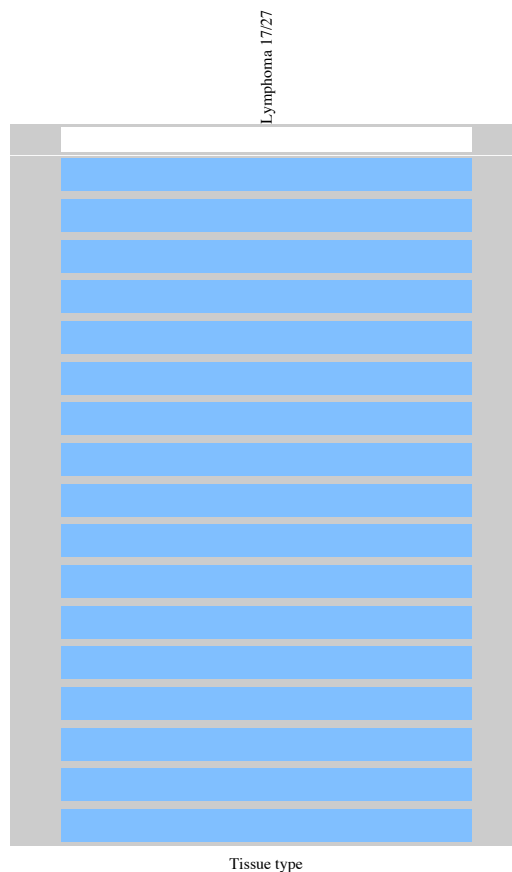
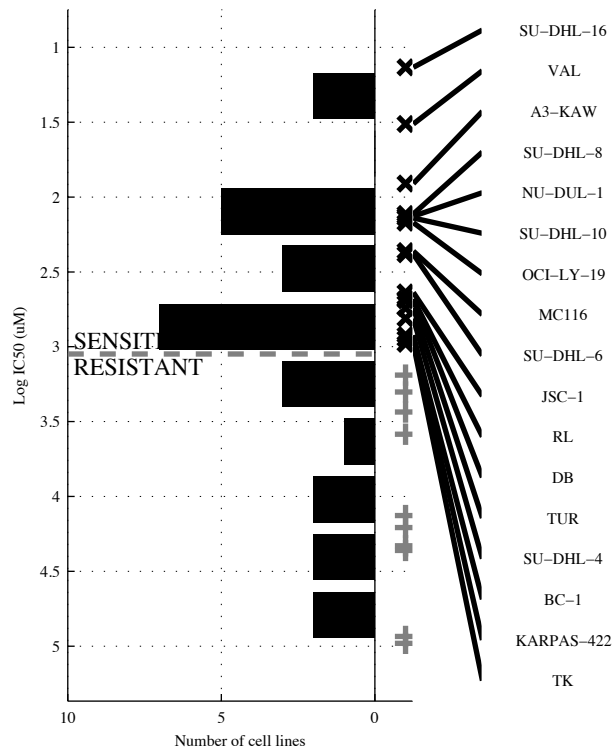
27 cell lines  
 8 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>EP300</b>		<b>MAPK &amp; -PI3K o</b>		<b>CREBBI &amp; -d15q15&amp;</b>		<b>CREBBI &amp; -d15q15&amp;</b>		<b>EP300   Wnt-UP</b>		<b>[CREBBI &amp; -d15q15]</b>   <b>[-d(CDKN &amp; Wnt-UP)]</b>		<b>ASXL2   EP300  </b>  <b>Wnt-UP</b>		<b>ASXL2   EP300  </b>  <b>PTEN   Wnt-UP</b>	
TP   FP Specificity	3   2 0.89		3   1 0.95		3   1 0.95		3   0 1		5   3 0.84		5   2 0.89		6   3 0.84		7   3 0.84	
FN   TN Precision	5   17 0.6		5   18 0.75		5   18 0.75		5   19 1		3   16 0.63		3   17 0.71		2   16 0.67		1   16 0.7	
Recall	0.38		0.38		0.38		0.38		0.63		0.63		0.75		0.88	

DLBC  
 id: 286 name: KIN001-236  
 target: TIE2 class: other

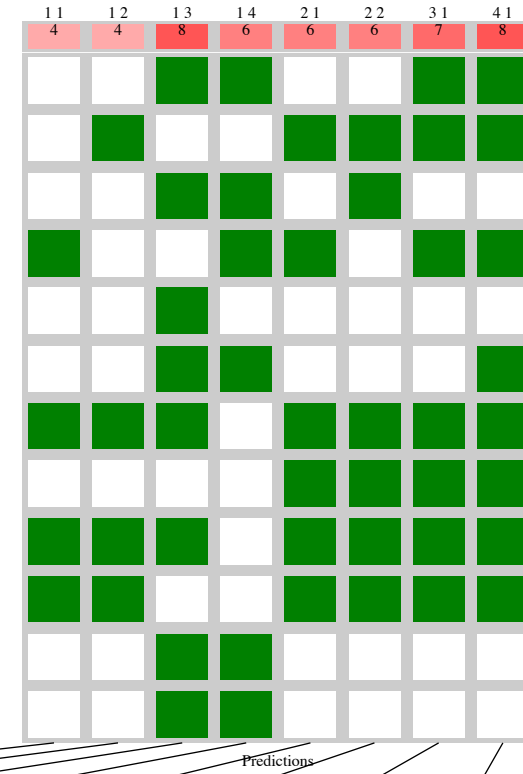
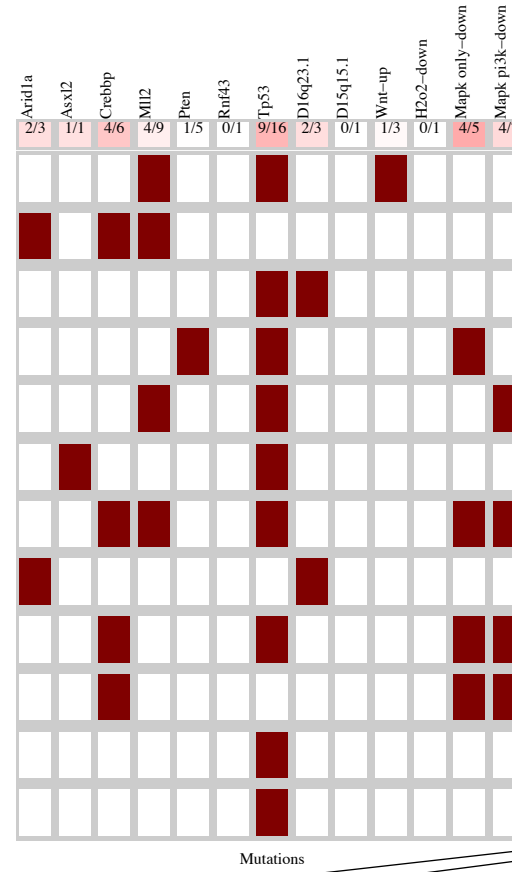
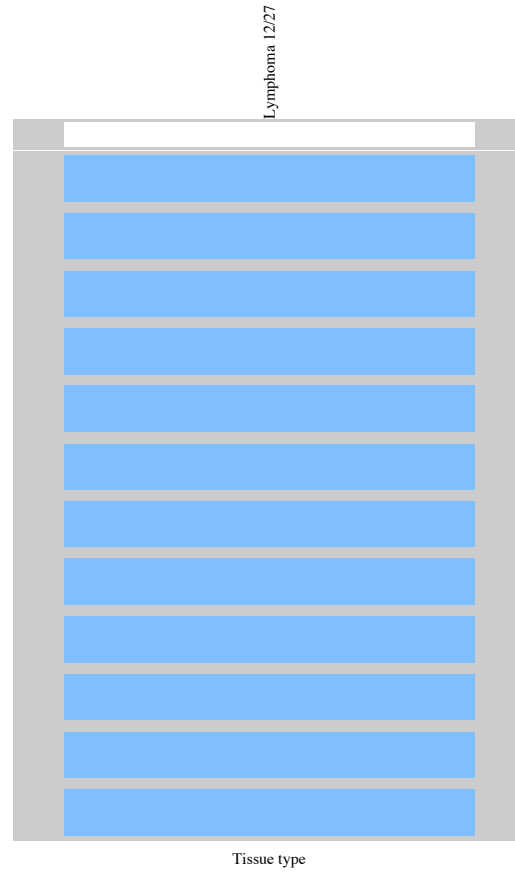
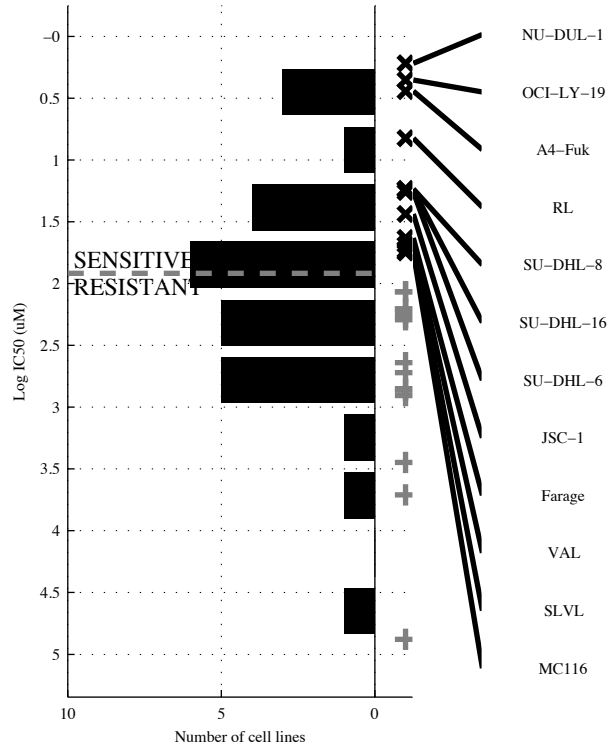
27 cell lines  
 17 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MAPK o</b>	<b>TP53 &amp; TLR-UP</b>	<b>TP53 &amp; -d16q23&amp; -d15q15</b>	<b>-d16q23&amp;d(CDK&amp; -d15q15&amp;TLR-UP</b>	<b>Wnt-UP MAPK o</b>	<b>[CREBBI&amp;TLR-UP]   [ TP53 &amp; TLR-UP]</b>	<b>ASXL2  Wnt-UP  MAPK o</b>	<b>ARID1A   ASXL2   Wnt-UP MAPK o</b>
TP   FP Specificity	3   2 0.8	12   2 0.8	12   2 0.8	13   2 0.8	5   2 0.8	14   2 0.8	6   2 0.8	9   2 0.8
FN   TN Precision	14   8 0.6	5   8 0.86	5   8 0.86	4   8 0.87	12   8 0.71	3   8 0.88	11   8 0.75	8   8 0.82
Recall	0.18	0.71	0.71	0.76	0.29	0.82	0.35	0.53

DLBC  
 id: 287 name: KIN001-244  
 target: PDPK1 (PDK1) class: PI3K signaling

27 cell lines  
 12 sensitive

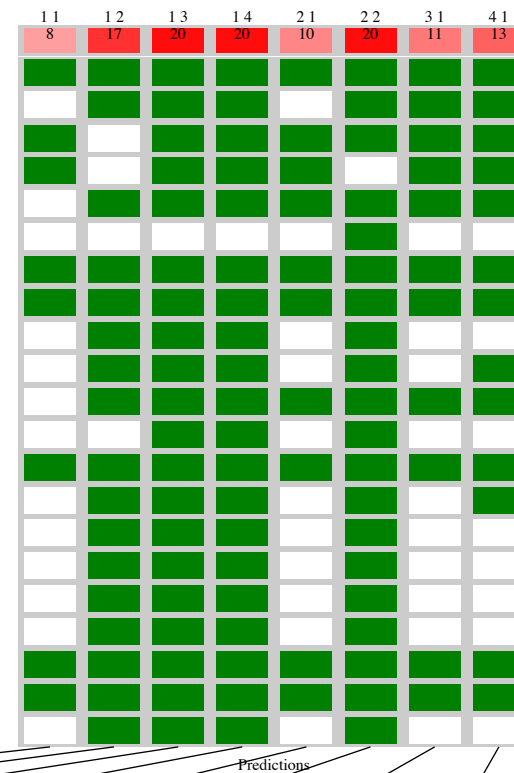
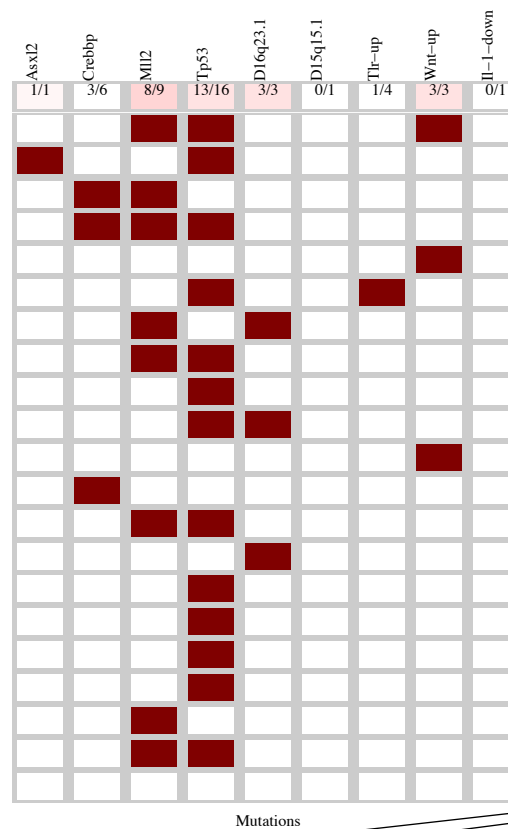
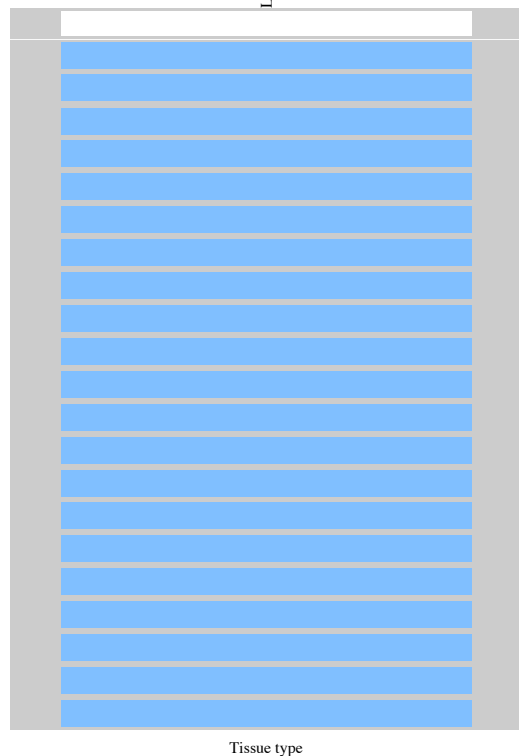
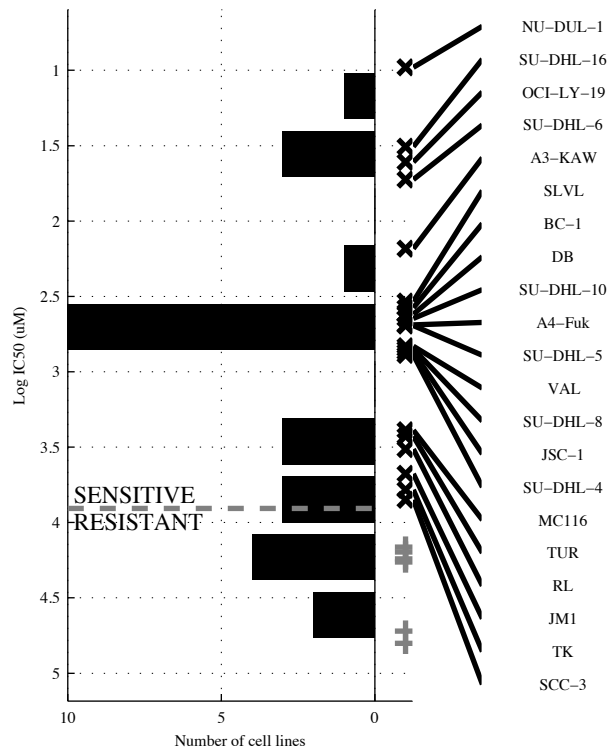


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MAPK o</b>	<b>CREBBP &amp; -d15q15</b>	<b>-PTEN &amp; TP53 &amp; -d15q15</b>	<b>-RNF43 &amp; TP53 &amp; -H2O2-down &amp; MAPK P</b>	<b>ARID1A   MAPK o</b>	<b>[ CREBBP &amp; -d15q15 ]   [ -MLL2 &amp; d16q23 ]</b>	<b>ARID1A   Wnt-UP   MAPK o</b>	<b>ARID1A   ASXL2   Wnt-UP   MAPK o</b>
TP   FP	4   1	4   1	8   3	6   2	6   2	6   1	7   3	8   3
Specificity	0.93	0.93	0.8	0.87	0.87	0.93	0.8	0.8
FN   TN	8   14	8   14	4   12	6   13	6   13	6   14	5   12	4   12
Precision	0.8	0.8	0.73	0.75	0.75	0.86	0.7	0.73
Recall	0.33	0.33	0.67	0.5	0.5	0.5	0.58	0.67

DLBC  
 id: 290 name: KIN001-260  
 target: IKK class: other

27 cell lines  
 21 sensitive

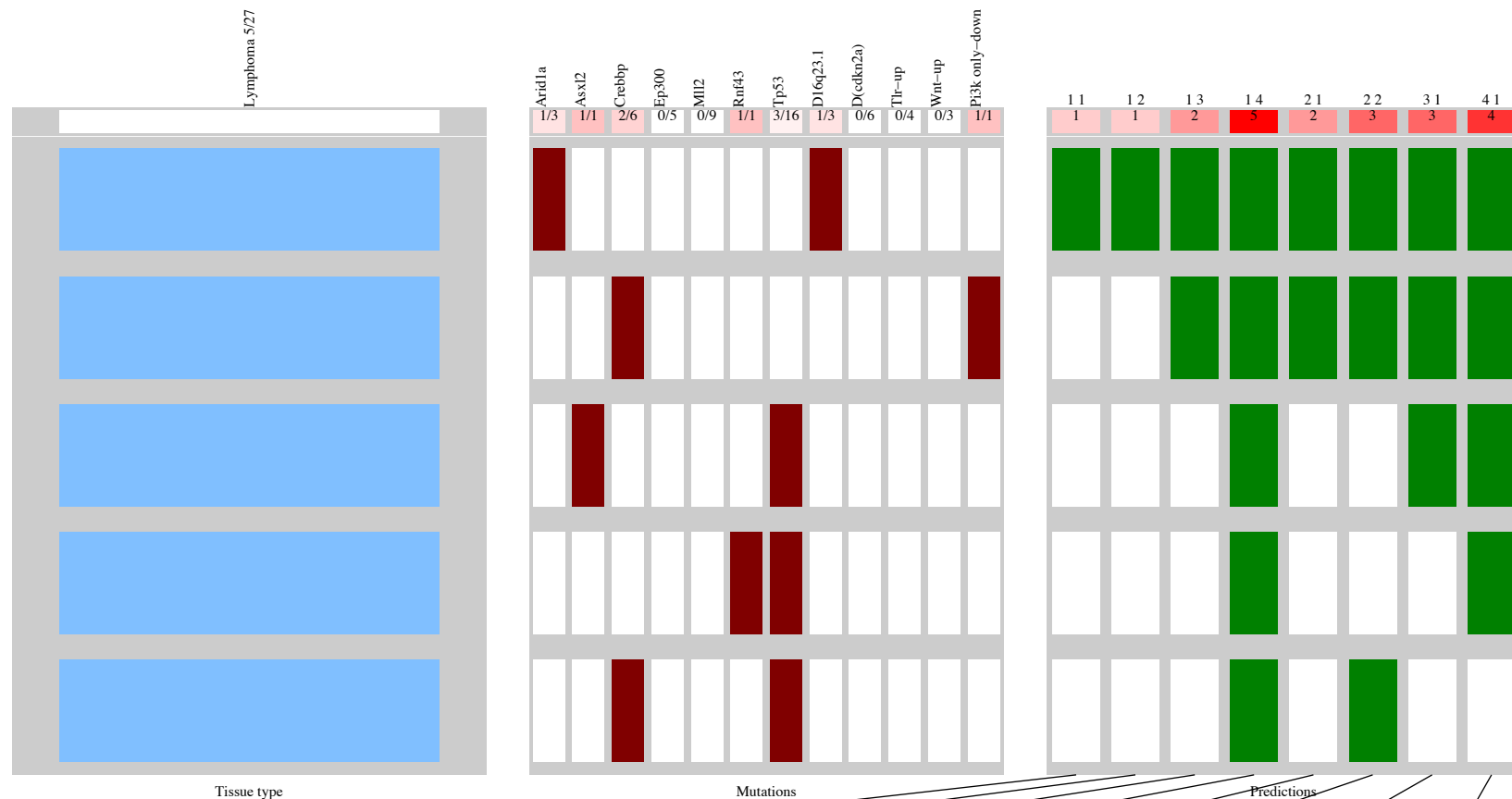
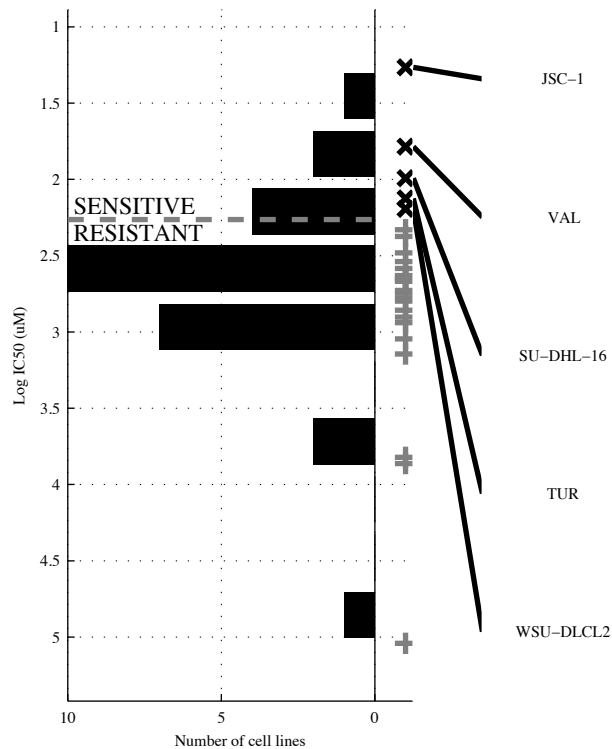
Lymphoma 21/27



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>MLL2</b>	<b>-CREBBP &amp; TLR-UP</b>	<b>-d15q15 &amp; TLR-UP &amp; -IL-1-D</b>	<b>-d15q15 &amp; TLR-UP &amp; -IL-1-D</b>	<b>MLL2   Wnt-UP</b>	<b>[ -CREBBP &amp; TP53 ]   [-TP53 &amp; TLR-UP]</b>	<b>ASXL2   MLL2   Wnt-UP</b>	<b>ASXL2   MLL2   d16q23   Wnt-UP</b>
TP   FP Specificity	8   1 0.83	17   1 0.83	20   1 0.83	20   1 0.83	10   1 0.83	20   1 0.83	11   1 0.83	13   1 0.83
FN   TN Precision	13   5 0.89	4   5 0.94	1   5 0.95	1   5 0.95	11   5 0.91	1   5 0.95	10   5 0.92	8   5 0.93
Recall	0.38	0.81	0.95	0.95	0.48	0.95	0.52	0.62

DLBC  
 id: 292 name: Masitinib  
 target: KIT class: RTK signaling

27 cell lines  
 5 sensitive



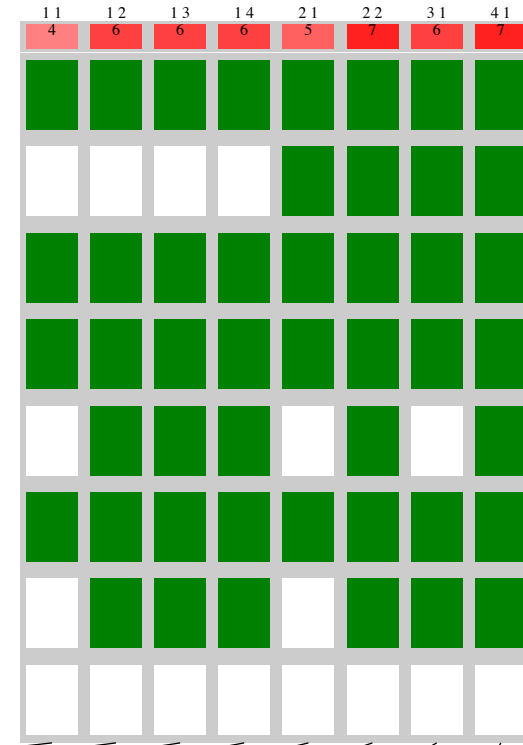
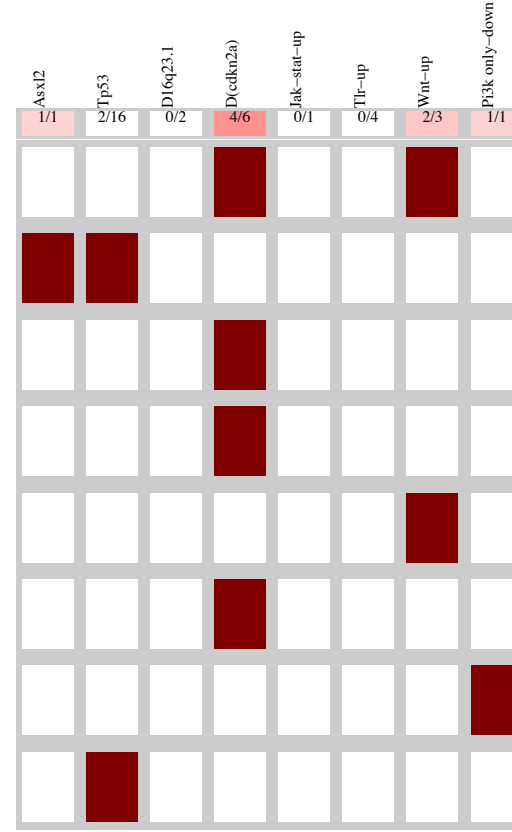
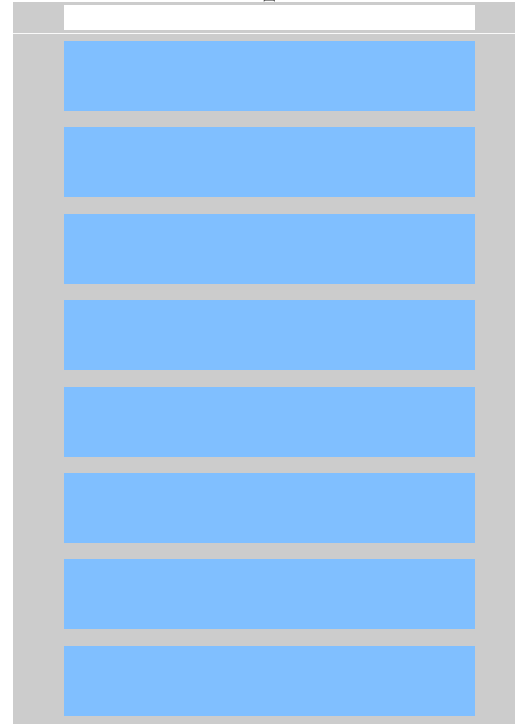
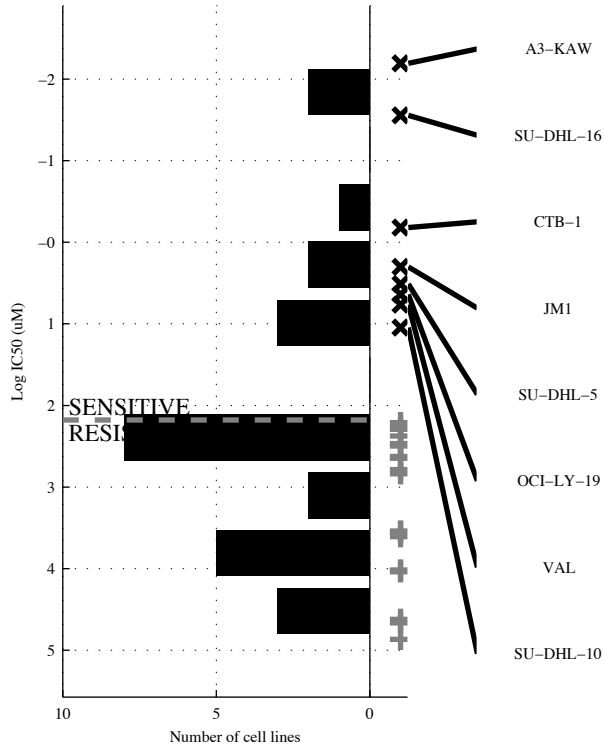
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>ARID1A</b>	<b>ARID1A &amp; d16q23</b>	<b>-MLL2 &amp; -TP53 &amp; -TLR-UP</b>	<b>-EP300 &amp; -MLL2 &amp; -TLR-UP &amp; Wnt-UP</b>	<b>ARID1A   PI3K o</b>	<b>[CREBBP &amp; d(CDKN)   [ARID1A &amp; CREBBP]</b>	<b>ARID1A   ASXL2   PI3K o</b>	<b>ARID1A   ASXL2   RNF43   PI3K o</b>
TP   FP	1   2	1   0	2   3	5   4	2   2	3   2	3   2	4   2
Specificity	0.91	1	0.86	0.82	0.91	0.91	0.91	0.91
FN   TN	4   20	4   22	3   19	0   18	3   20	2   20	2   20	1   20
Precision	0.33	1	0.4	0.56	0.5	0.6	0.6	0.67
Recall	0.2	0.2	0.4	1	0.4	0.6	0.6	0.8



DLBC  
 id: 293 name: MP470  
 target: PDGFR class: RTK signaling

26 cell lines  
 8 sensitive

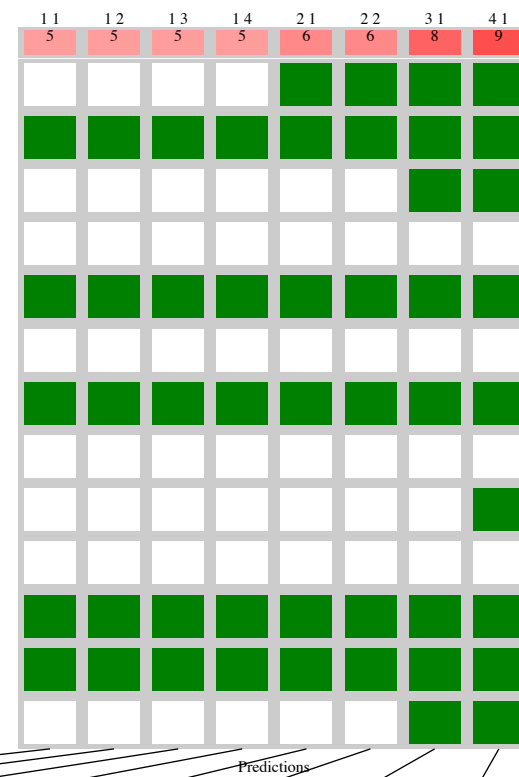
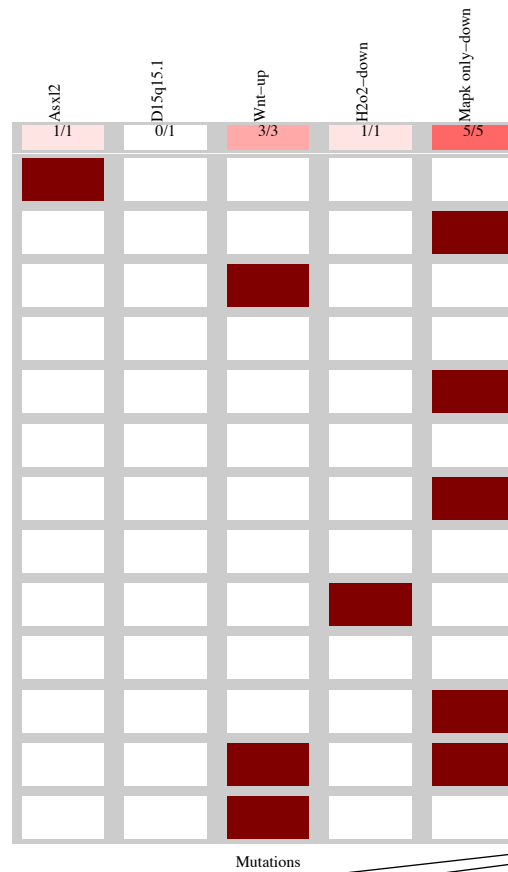
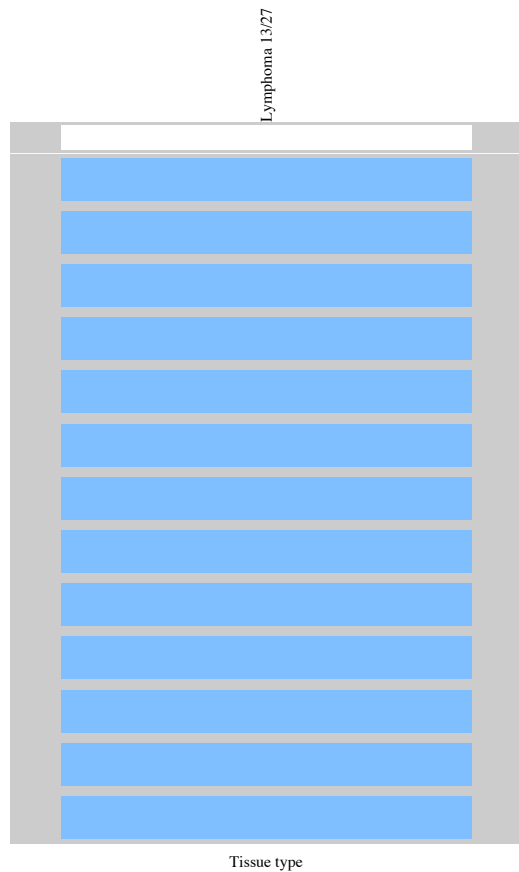
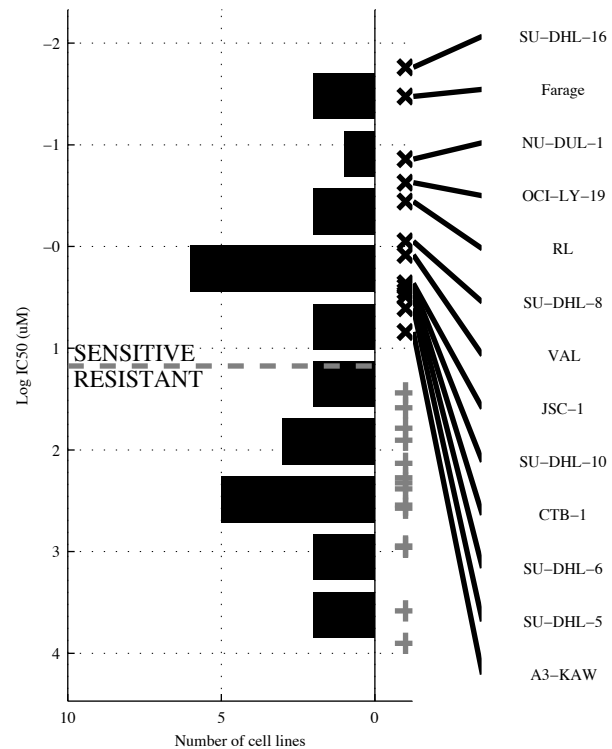
Lymphoma 8/26



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d(CDKN)</b>	<b>-TP53 &amp; TLR-UP</b>	<b>-TP53 &amp; -d16q23&amp;</b> <b>-TLR-UP</b>	<b>-TP53 &amp; -d16q23&amp;</b> <b>-TLR-U&amp;</b>	<b>ASXL2   d(CDKN)</b>	<b>[ -TP53 &amp; TLR-UP ]</b> <b> </b> <b>[ ASXL2 &amp; JAK-ST ]</b>	<b>ASXL2   d(CDKN)</b> <b>PI3K o</b>	<b>ASXL2   d(CDKN)</b> <b>Wnt-UP   PI3K o</b>
TP   FP	4   2	6   2	6   1	6   1	5   2	7   2	6   2	7   3
Specificity	0.89	0.89	0.94	0.94	0.89	0.89	0.89	0.83
FN   TN	4   16	2   16	2   17	2   17	3   16	1   16	2   16	1   15
Precision	0.67	0.75	0.86	0.86	0.71	0.78	0.75	0.7
Recall	0.5	0.75	0.75	0.75	0.63	0.88	0.75	0.88

DLBC  
 id: 295 name: NVP-BHG712  
 target: EPHB4 class: RTK signaling

27 cell lines  
 13 sensitive

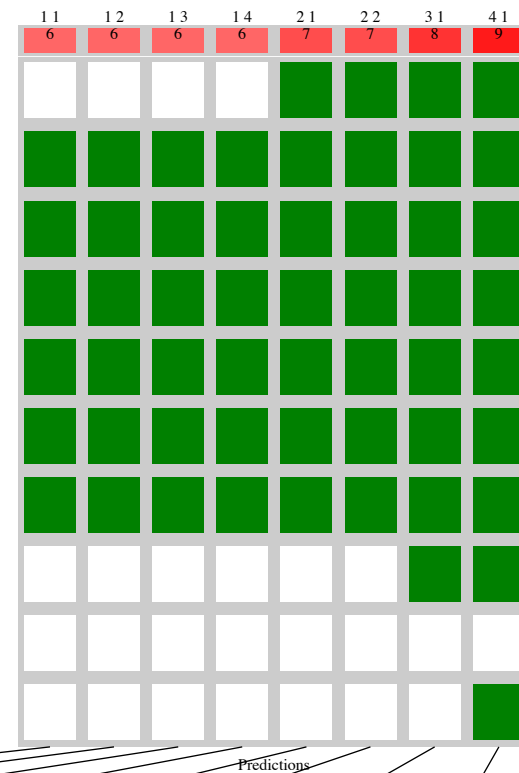
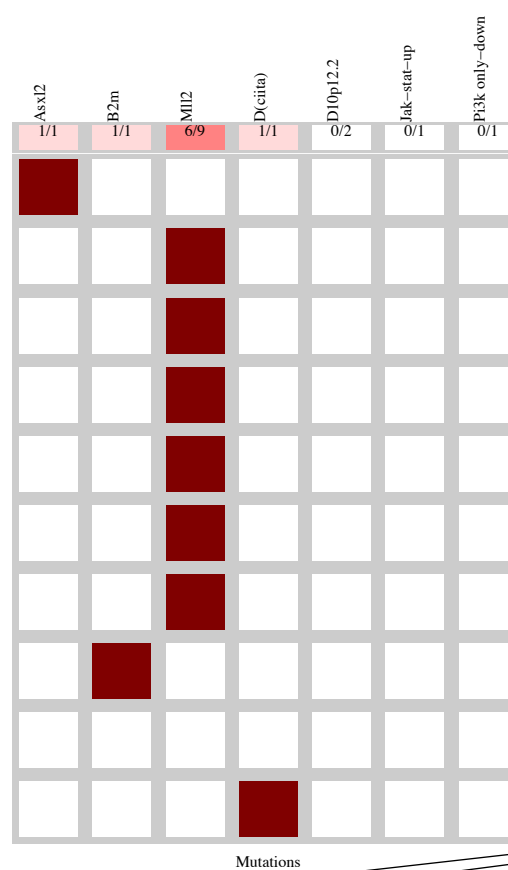
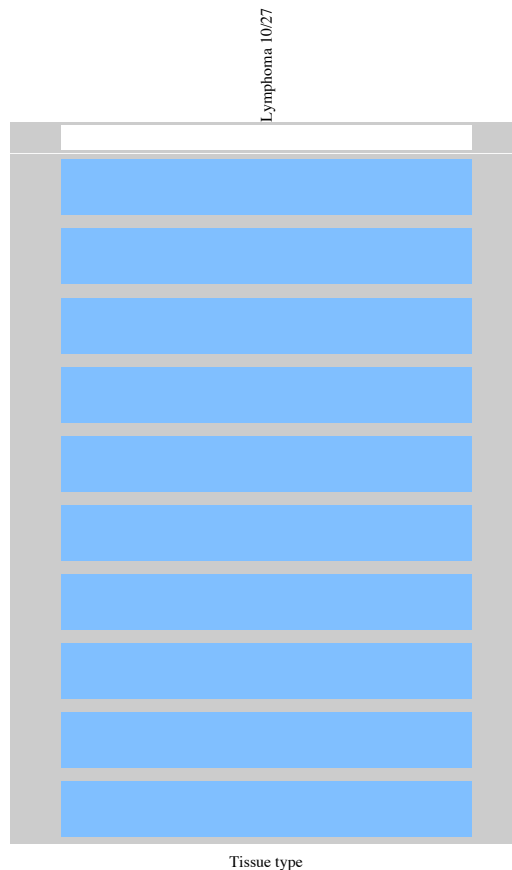
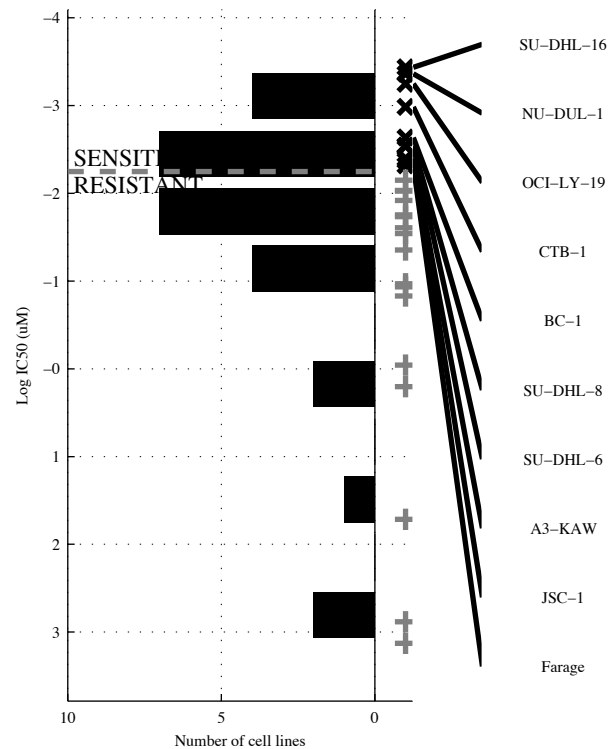


Model name	11	12	13	14	21	22	31	41
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MAPK o</b>	<b>MAPK &amp;</b>	<b>MAPK &amp; &amp;</b>	<b>MAPK &amp; &amp;</b>	<b>ASXL2   MAPK o</b>	<b>[ ASXL2 &amp; ]</b> <b> </b> <b>[ -d15q15 &amp; MAPK o ]</b>	<b>ASXL2   Wnt-UP  </b> <b>MAPK o</b>	<b>ASXL2   Wnt-UP  </b> <b>H2O2-D   MAPK o</b>
TP   FP	5   0	5   0	5   0	5   0	6   0	6   0	8   0	9   0
Specificity	1	1	1	1	1	1	1	1
FN   TN	8   14	8   14	8   14	8   14	7   14	7   14	5   14	4   14
Precision	1	1	1	1	1	1	1	1
Recall	0.38	0.38	0.38	0.38	0.46	0.46	0.62	0.69



DLBC  
 id: 299 name: OSI-027  
 target: MTORC12 class: TOR signaling

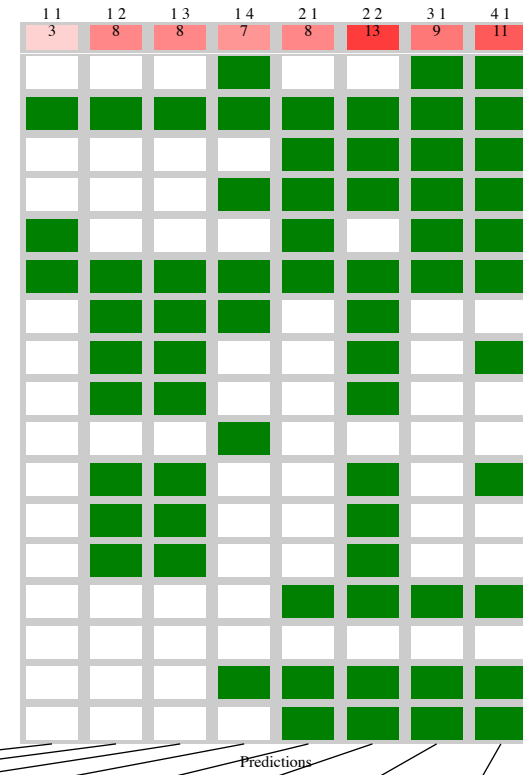
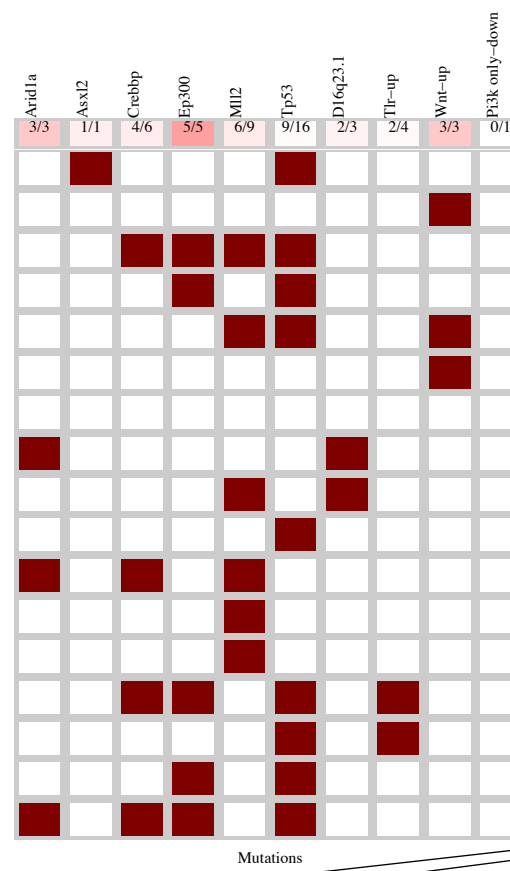
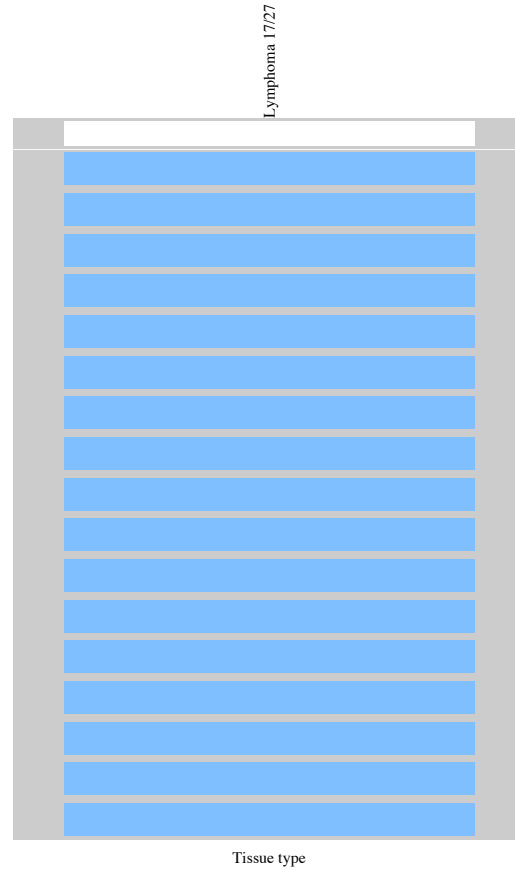
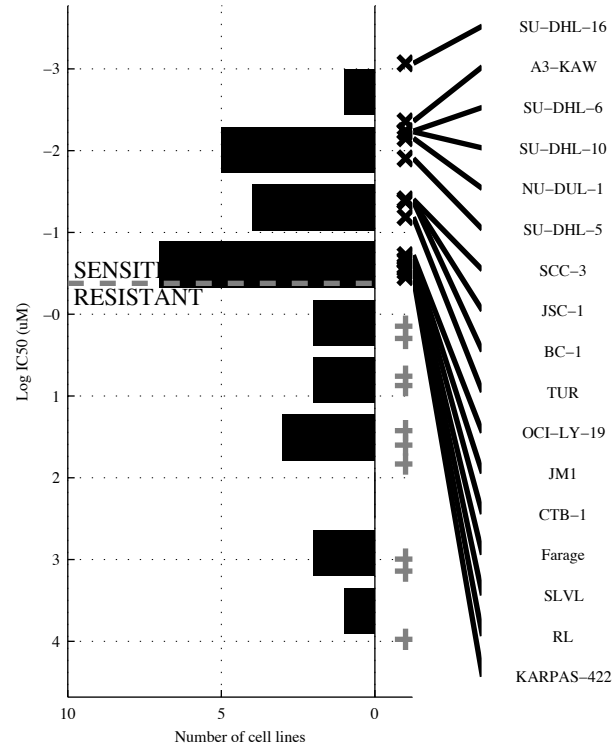
27 cell lines  
 10 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MLL2</b>	<b>MLL2 &amp; ¬d10p12</b>	<b>MLL2 &amp; ¬d10p12 &amp; ¬PI3K o</b>	<b>MLL2 &amp; ¬d10p12 &amp; ¬JAK-S&amp;¬PI3K o</b>	<b>ASXL2   MLL2</b>	<b>[ ASXL2 &amp;   MLL2 &amp; ¬d10p12 ]</b>	<b>ASXL2   B2M   MLL2</b>	<b>ASXL2   B2M   MLL2   d(CIT)</b>
TP   FP	6   3	6   2	6   2	6   2	7   3	7   2	8   3	9   3
Specificity	0.82	0.88	0.88	0.88	0.82	0.88	0.82	0.82
FN   TN	4   14	4   15	4   15	4   15	3   14	3   15	2   14	1   14
Precision	0.67	0.75	0.75	0.75	0.7	0.78	0.73	0.75
Recall	0.6	0.6	0.6	0.6	0.7	0.7	0.8	0.9

DLBC  
 id: 301 name: PHA-793887  
 target: CDK-pan class: cell cycle

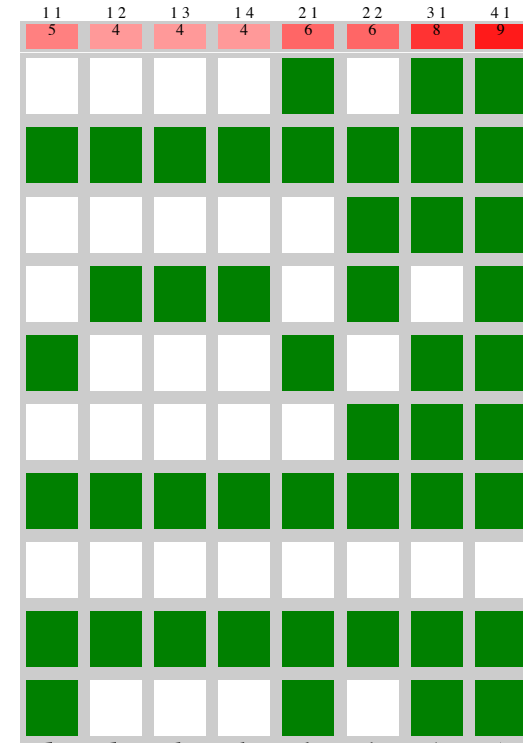
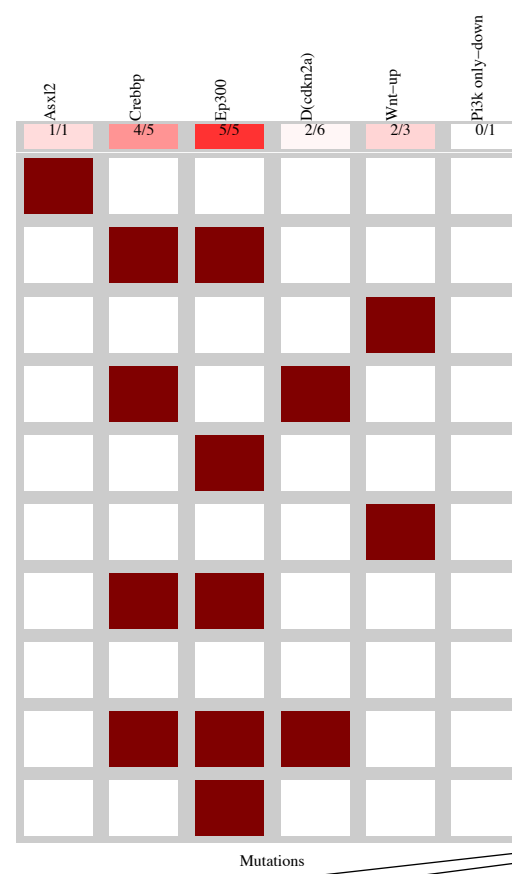
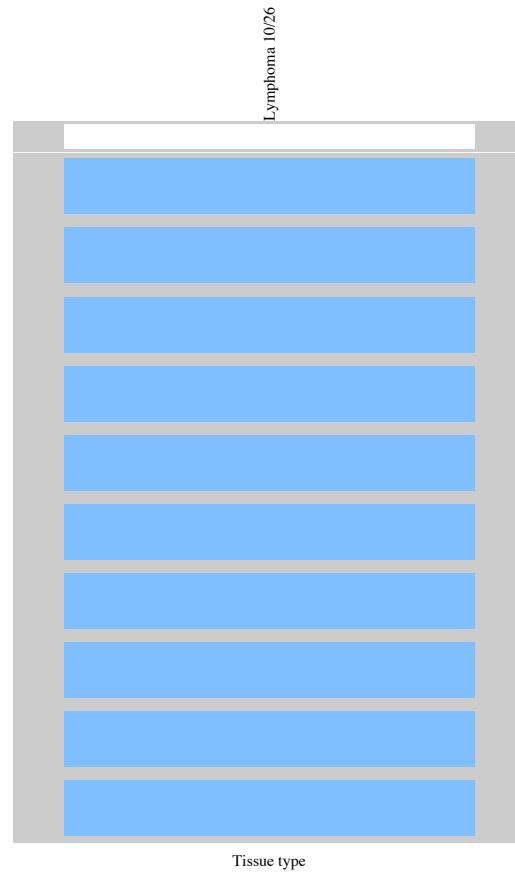
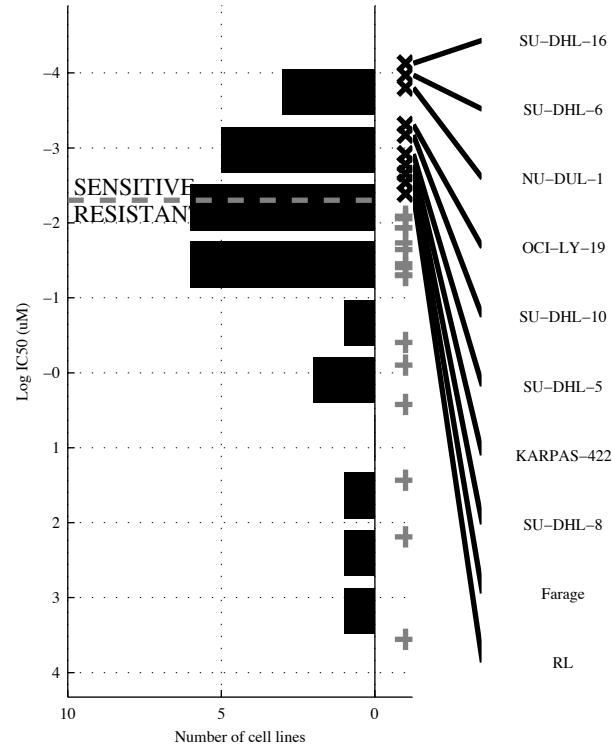
27 cell lines  
 17 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>Wnt-UP</b>	<b>-TP53 &amp; TLR-UP</b>	<b>-TP53 &amp; TLR-UP</b> <b>-PI3K o</b>	<b>-CREBBP &amp; MLL2 &amp;</b> <b>-d16q23 &amp; TLR-UP</b>	<b>EP300   Wnt-UP</b>	<b>[ -TP53 &amp; TLR-UP ]</b> <b> </b> <b>[ EP300 &amp; ]</b>	<b>ASXL2   EP300  </b> <b>Wnt-UP</b>	<b>ARID1A   ASXL2  </b> <b>EP300   Wnt-UP</b>
TP   FP FN   TN	3   0 14   10	8   1 9   9	8   0 9   10	7   2 10   8	8   0 9   10	13   1 4   9	9   0 8   10	11   0 6   10
Specificity	1	0.9	1	0.8	1	0.9	1	1
Precision	1	0.89	1	0.78	1	0.93	1	1
Recall	0.18	0.47	0.47	0.41	0.47	0.76	0.53	0.65

DLBC  
 id: 302 name: PI-103  
 target: PI3Ka, PRKDC (DNAPK) class: PI3K signaling

26 cell lines  
 10 sensitive

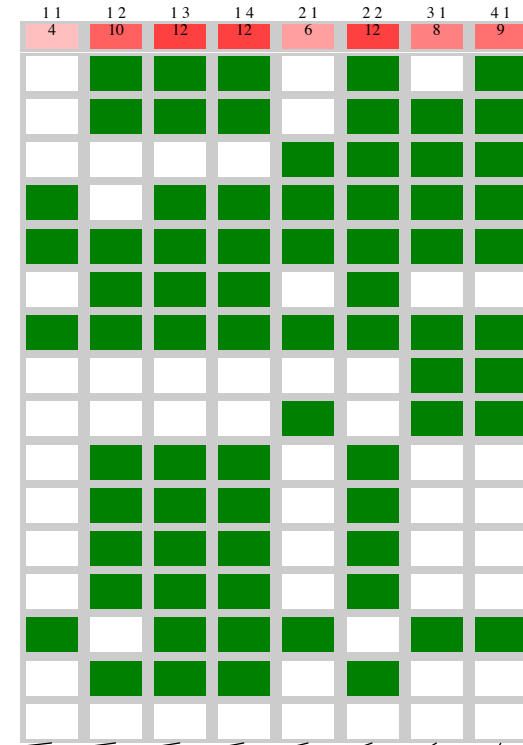
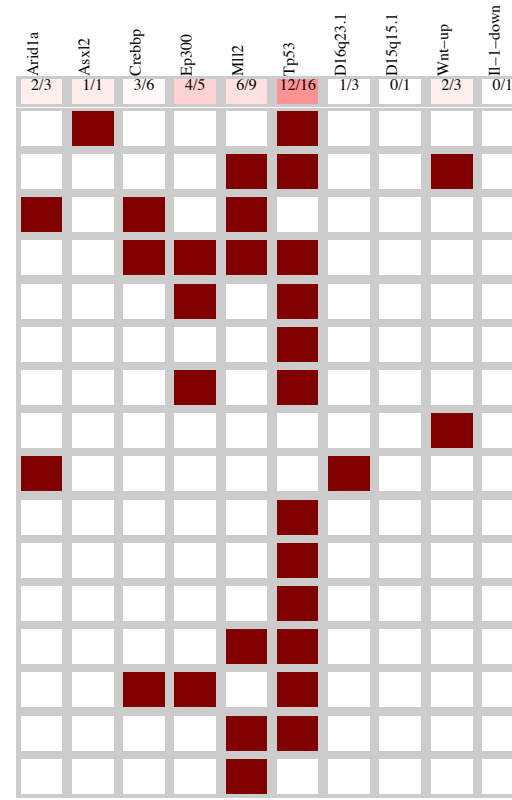
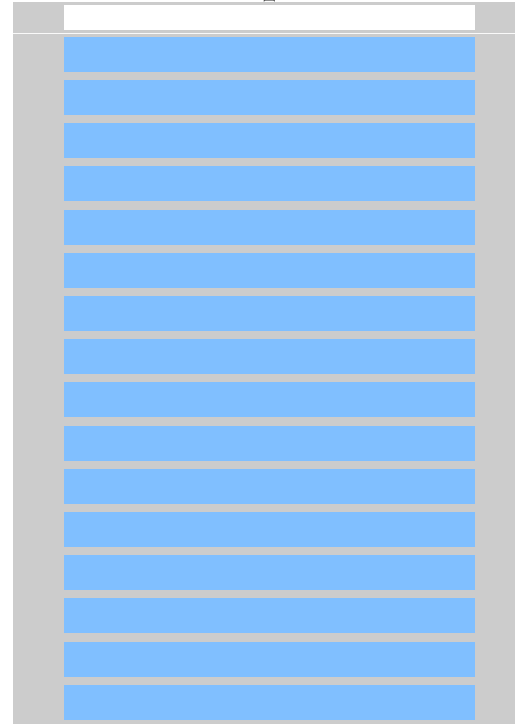
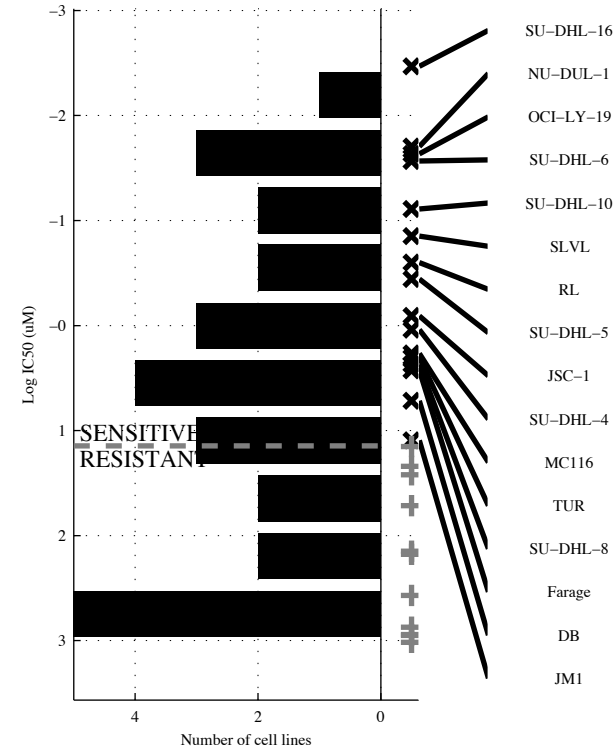


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>EP300</b>	<b>CREBBI &amp; PI3K o</b>	<b>CREBBI &amp; PI3K o &amp;</b>	<b>CREBBI &amp; PI3K o &amp;</b>	<b>ASXL2   EP300</b>	<b>[d(CDKK &amp; Wnt-UP)]   [CREBBI &amp; PI3K o]</b>	<b>ASXL2   EP300   Wnt-UP</b>	<b>ASXL2   CREBBI   EP300   Wnt-UP</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{5}{5} \mid \frac{0}{16}$ 1 0.5	$\frac{4}{6} \mid \frac{0}{16}$ 1 0.4	$\frac{4}{6} \mid \frac{0}{16}$ 1 0.4	$\frac{4}{6} \mid \frac{0}{16}$ 1 0.4	$\frac{6}{4} \mid \frac{0}{16}$ 1 0.6	$\frac{6}{4} \mid \frac{0}{16}$ 1 0.6	$\frac{8}{2} \mid \frac{1}{15}$ 0.94 0.89 0.8	$\frac{9}{1} \mid \frac{2}{14}$ 0.88 0.82 0.9

DLBC  
 id: 303 name: PIK-93  
 target: PI4K, PI3K class: PI3K signaling

27 cell lines  
 16 sensitive

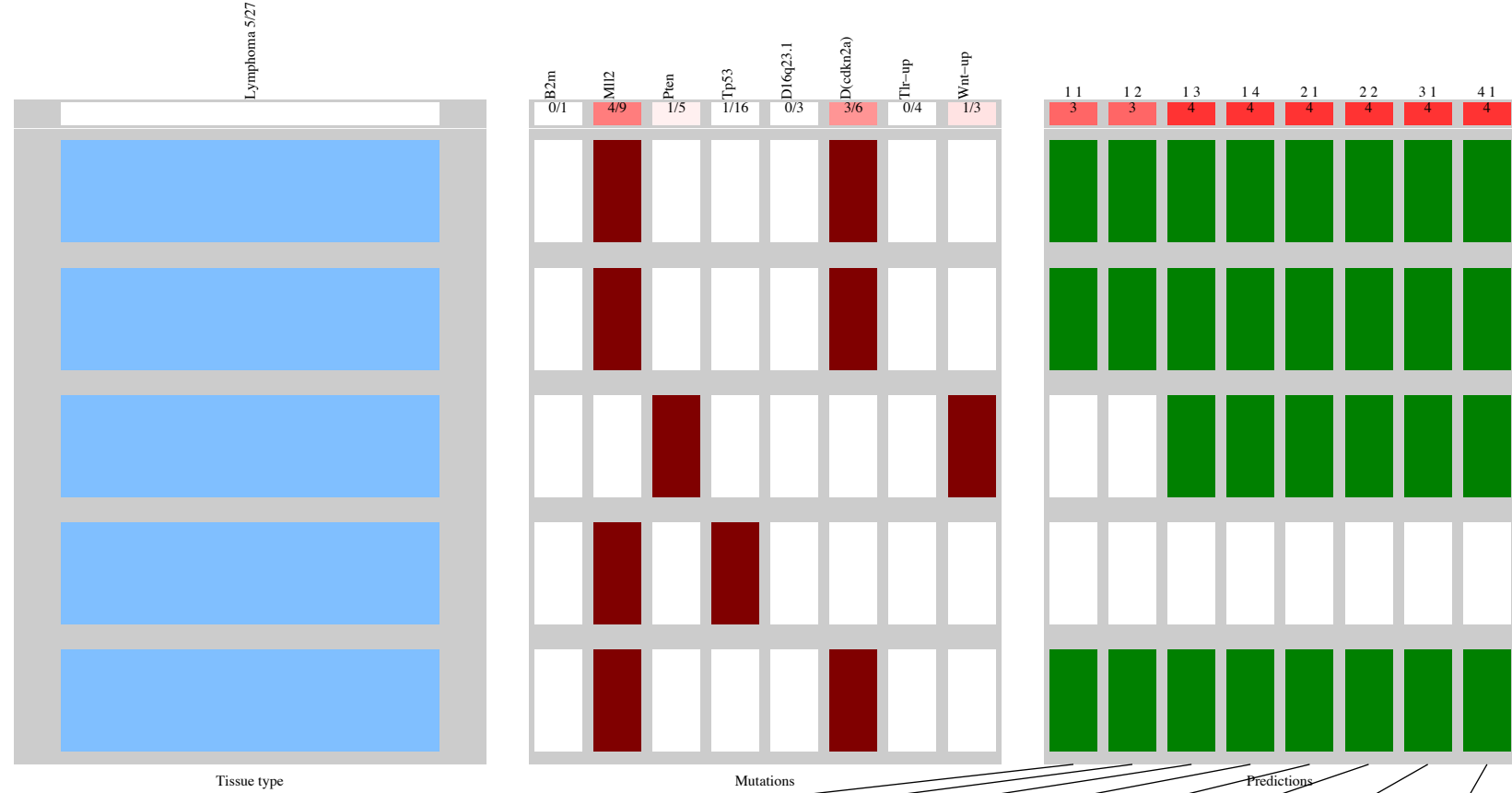
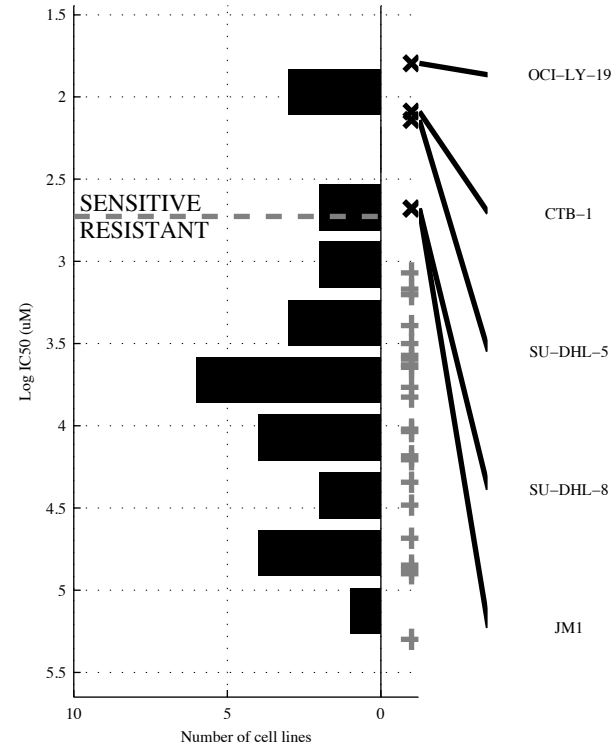
Lymphoma 16/27



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	M															
Logic formula	<b>EP300</b>		<b>~CREBB &amp; TP53</b>		<b>TP53 &amp; ~d16q23 &amp; ~d15q15</b>		<b>TP53 &amp; ~d16q23 &amp; ~d15q15 &amp; ~IL-1-D</b>		<b>ARID1A   EP300</b>		<b>[~CREBB &amp; TP53]   [CREBB &amp; MLL2]</b>		<b>ARID1A   EP300   Wnt-UP</b>		<b>ARID1A   ASXL2   EP300   Wnt-UP</b>	
TP   FP	4   1	0.91	10   2	0.82	12   2	0.82	12   1	0.91	6   1	0.91	12   2	0.82	8   2	0.82	9   2	0.82
FN   TN	12   10	0.8	6   9	0.83	4   9	0.86	4   10	0.92	10   10	0.86	4   9	0.86	8   9	0.8	7   9	0.82
Specificity	0.91		0.82		0.82		0.91		0.91		0.82		0.82		0.82	
Precision	0.8		0.83		0.86		0.92		0.86		0.86		0.8		0.82	
Recall	0.25		0.63		0.75		0.75		0.38		0.75		0.5		0.56	

DLBC  
 id: 304 name: SB52334  
 target: ALK5 class: RTK signaling

27 cell lines  
 5 sensitive



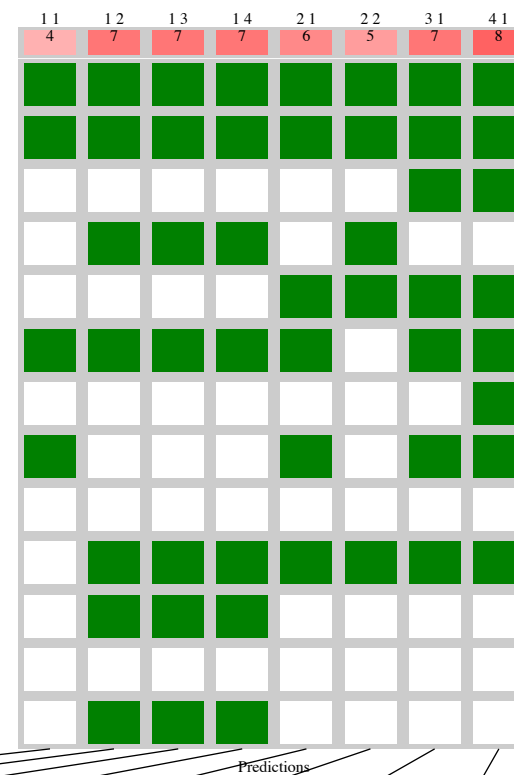
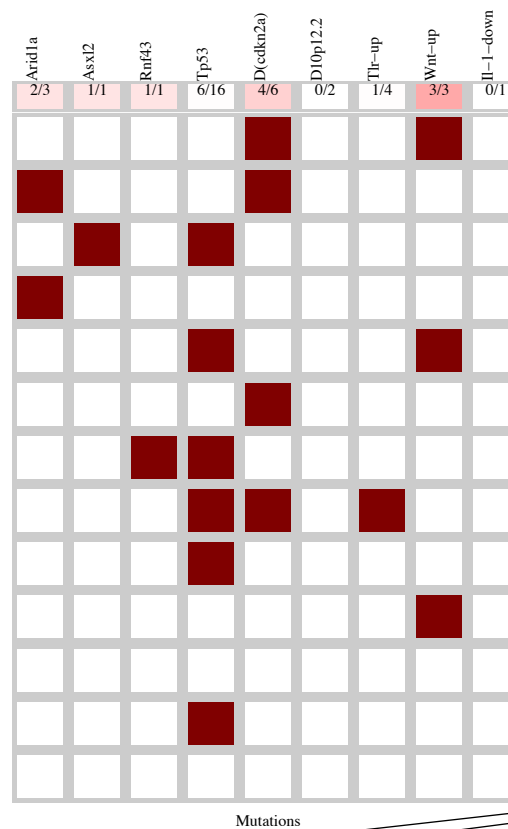
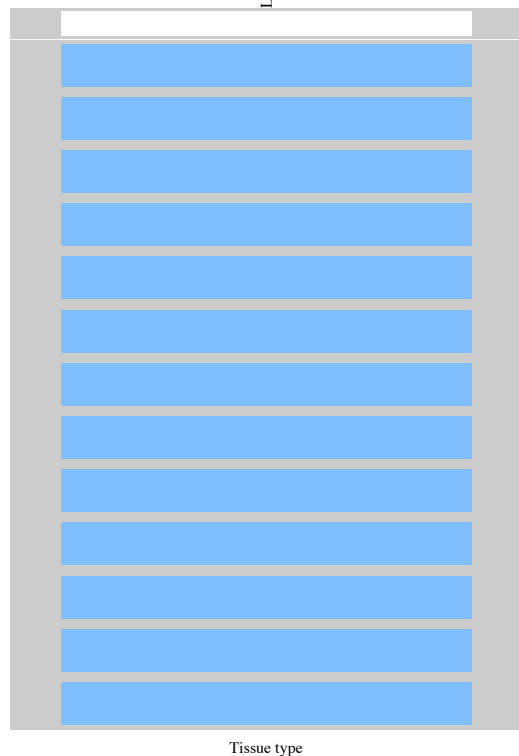
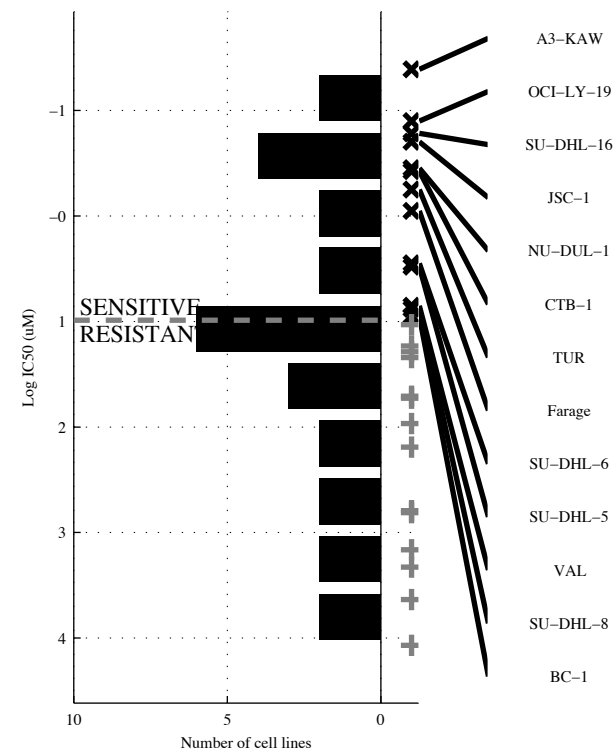
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d(CDKN)</b>	<b>MLL2 &amp; d(CDKN)</b>	<b>-TP53 &amp; -d16q23 &amp; -TLR-UP</b>	<b>-B2M &amp; -TP53 &amp; -d16q23 &amp; TLR-UP</b>	<b>d(CDKN Wnt-UP)</b>	<b>[ MLL2 &amp; d(CDKN)   [ PTEN &amp; -TP53 ] ]</b>	<b>d(CDKN Wnt-UP)</b>	<b>d(CDKN Wnt-UP)</b>
TP   FP	3   3	3   0	4   3	4   2	4   4	4   0	4   4	4   4
Specificity	0.86	1	0.86	0.91	0.82	1	0.82	0.82
FN   TN	2   19	2   22	1   19	1   20	1   18	1   22	1   18	1   18
Precision	0.5	1	0.57	0.67	0.5	1	0.5	0.5
Recall	0.6	0.6	0.8	0.8	0.8	0.8	0.8	0.8



DLBC  
 id: 305 name: TPCA-1  
 target: IKK class: other

27 cell lines  
 13 sensitive

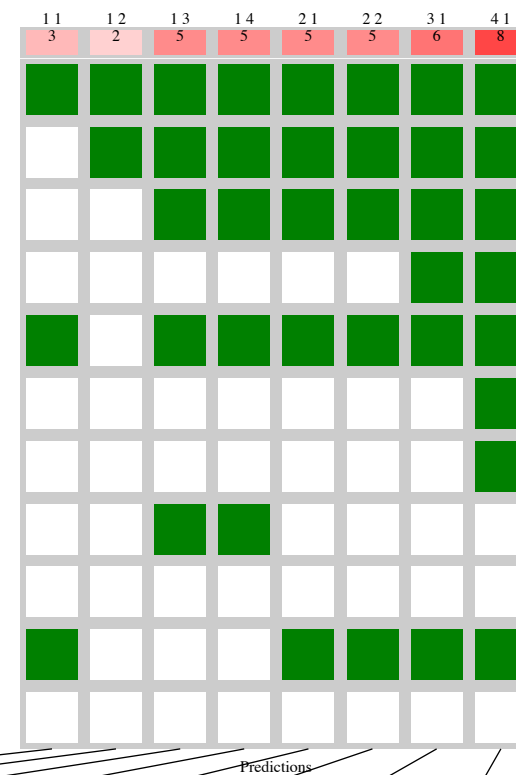
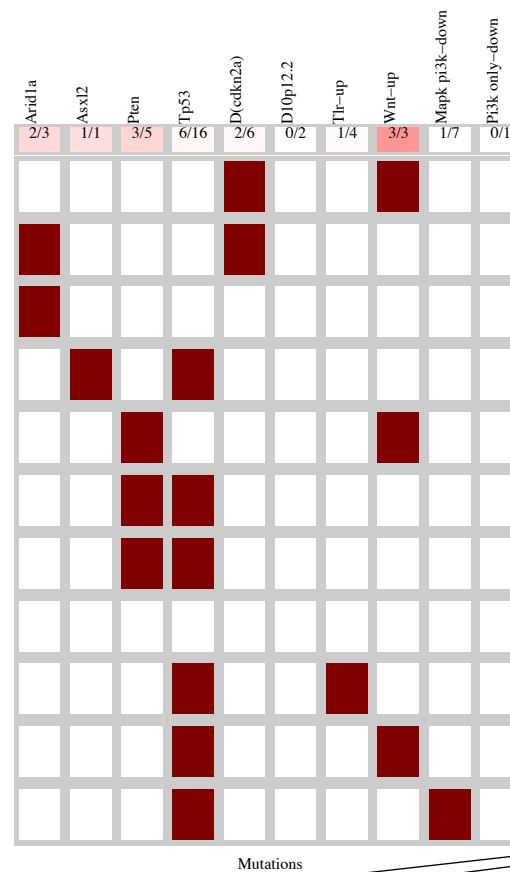
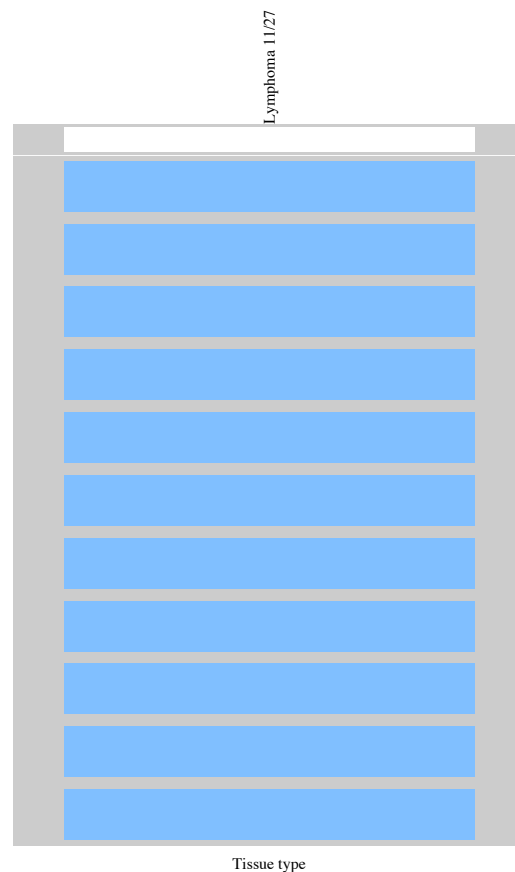
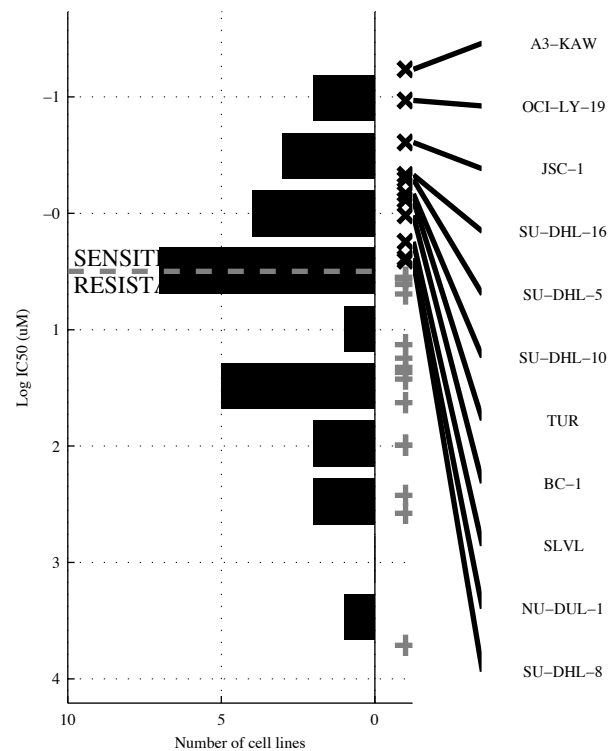
Lymphoma 13/27



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d(CDKN)</b>	<b>-TP53 &amp; TLR-UP</b>	<b>-TP53 &amp; -d10p12&amp;</b> <b>-TLR-UP</b>	<b>-TP53 &amp; -d10p12&amp;</b> <b>-TLR-UP&amp;</b>	<b>d(CDKN Wnt-UP)</b>	<b>[ARID1A&amp;-IL-1-D]</b>   <b>[Wnt-UP&amp;-IL-1-D]</b>	<b>ASXL2   d(CDKN </b> <b>Wnt-UP</b>	<b>ASXL2   RNF43  </b> <b>d(CDKN Wnt-UP)</b>
TP   FP Specificity	4   2 0.86	7   2 0.86	7   1 0.93	7   1 0.93	6   2 0.86	5   0 1	7   2 0.86	8   2 0.86
FN   TN Precision	9   12 0.67	6   12 0.78	6   13 0.88	6   13 0.88	7   12 0.75	8   14 1	6   12 0.78	5   12 0.8
Recall	0.31	0.54	0.54	0.54	0.46	0.38	0.54	0.62

DLBC  
 id: 306 name: TG101348  
 target: JAK2 class: other

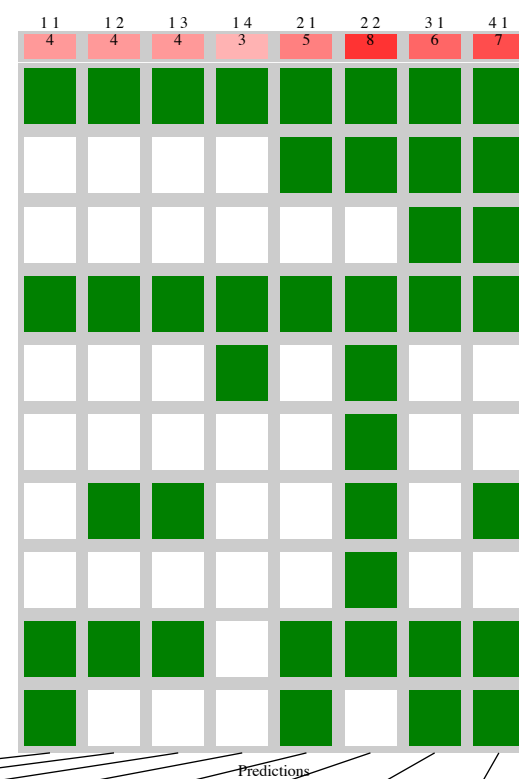
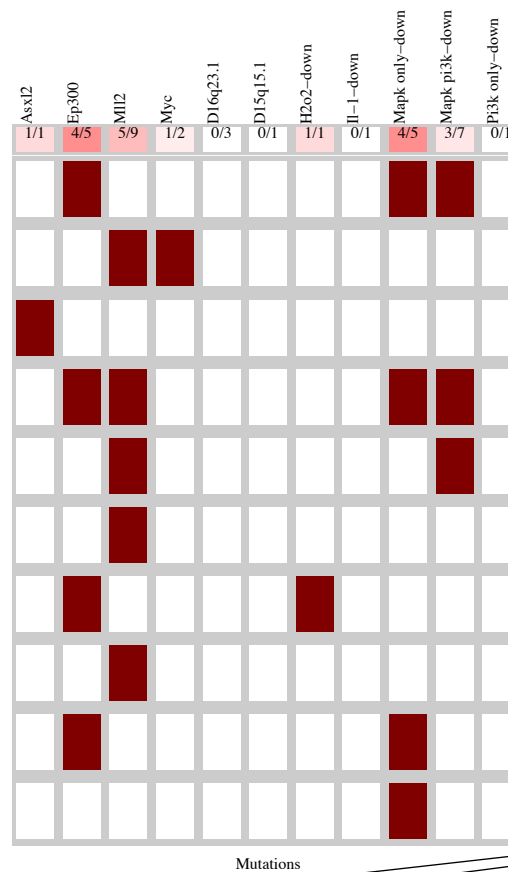
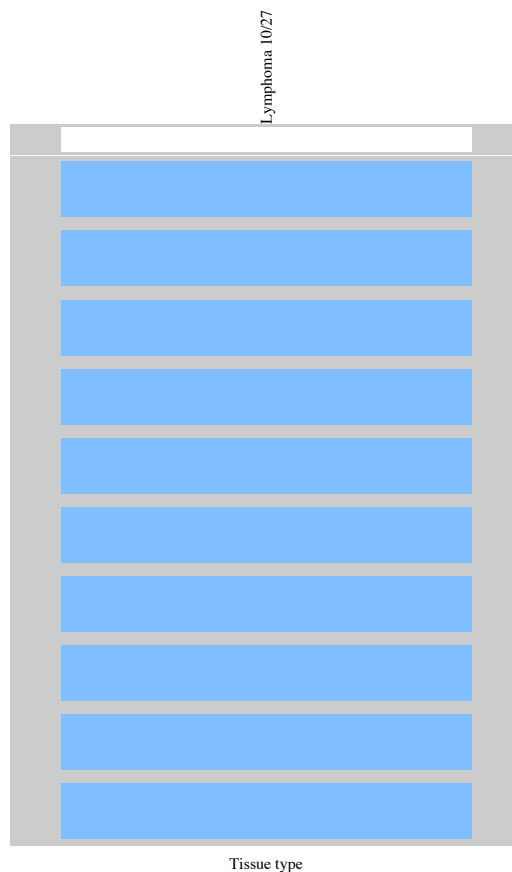
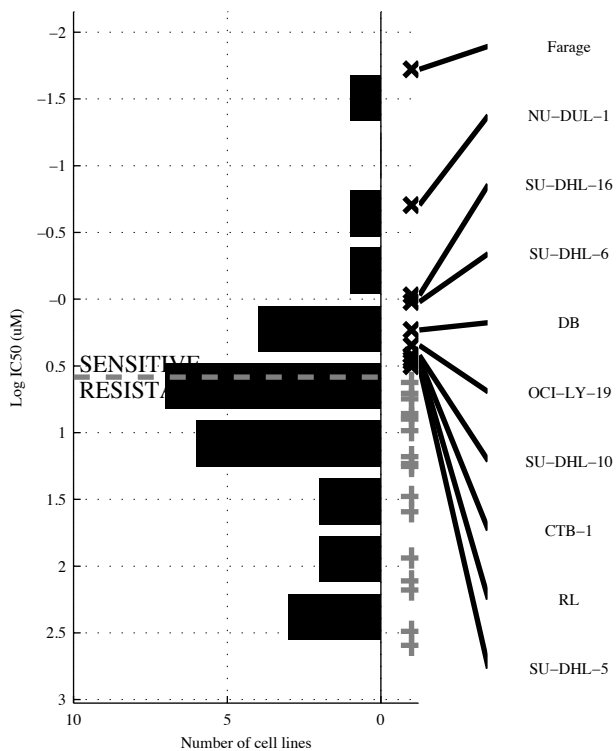
27 cell lines  
 11 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>Wnt-UP</b>	<b>d(CDKN &amp; TLR-UP)</b>	<b>-TP53 &amp; TLR-UP &amp; -MAPK P</b>	<b>-TP53 &amp; -d10p12 &amp; -TLR-UP &amp; -PI3K o</b>	<b>ARID1A   Wnt-UP</b>	<b>[Wnt-UP &amp; ]   [ARID1A &amp; MAPK P]</b>	<b>ARID1A   ASXL2   Wnt-UP</b>	<b>ARID1A   ASXL2   PTEN   Wnt-UP</b>
TP   FP	3   0	2   2	5   3	5   2	5   1	5   0	6   1	8   2
Specificity	1	0.88	0.81	0.88	0.94	1	0.94	0.88
FN   TN	8   16	9   14	6   13	6   14	6   15	6   16	5   15	3   14
Precision	1	0.5	0.63	0.71	0.83	1	0.86	0.8
Recall	0.27	0.18	0.45	0.45	0.45	0.45	0.55	0.73

DLBC  
 id: 310 name: YM201636  
 target: FYV1 class: other

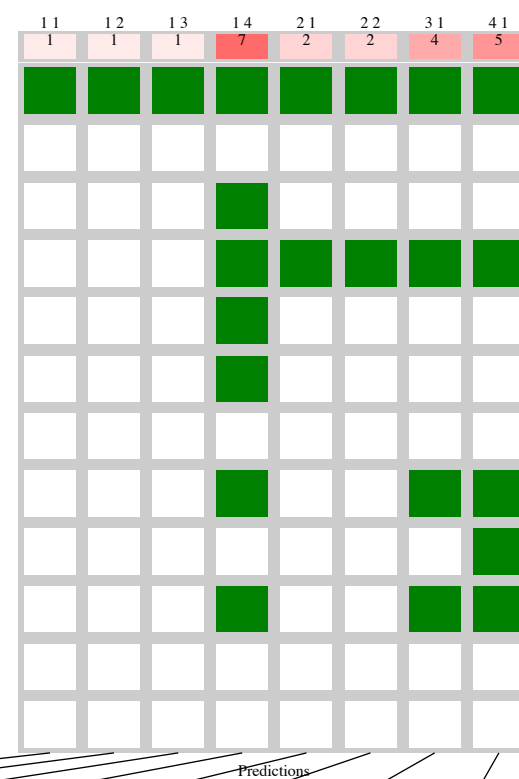
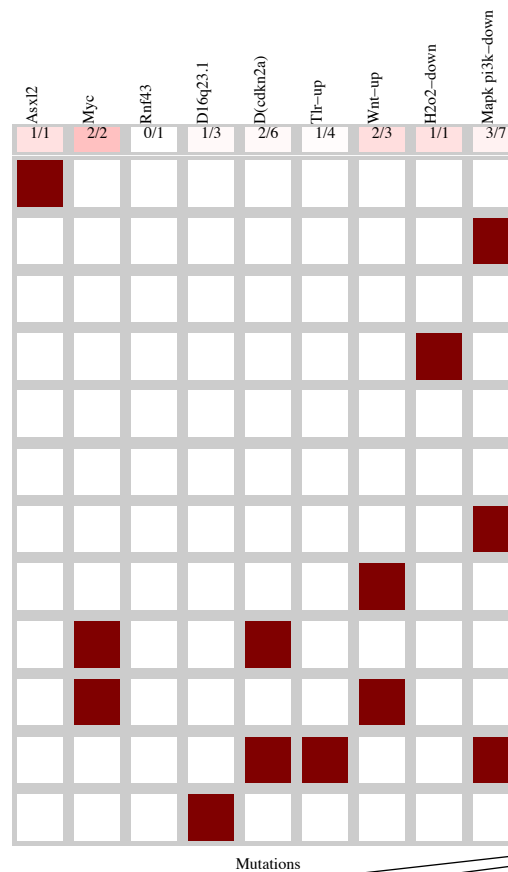
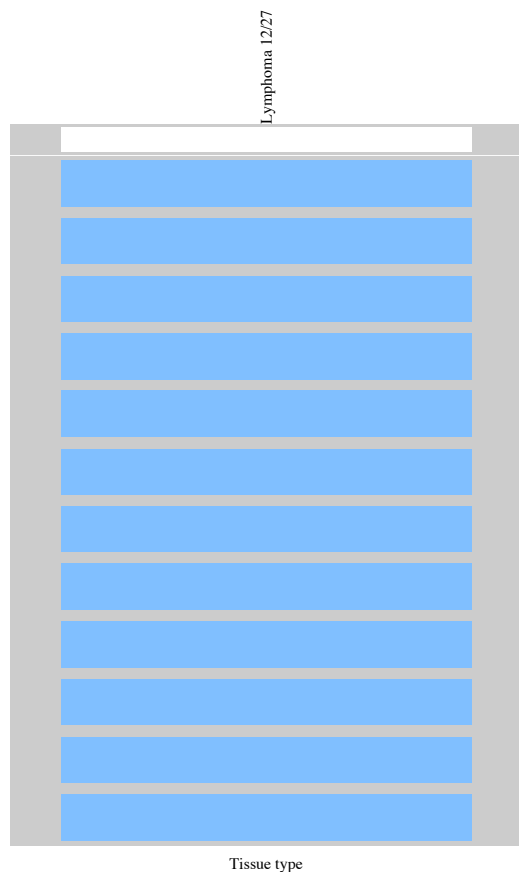
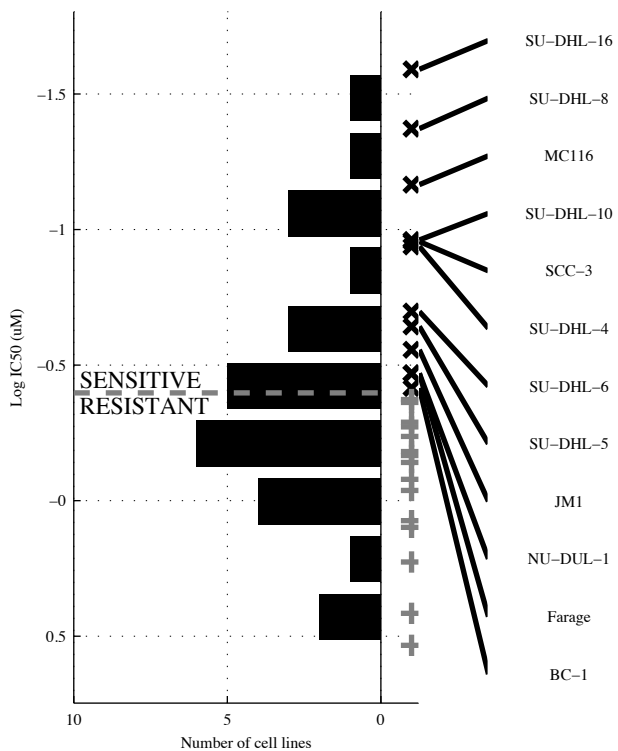
27 cell lines  
 10 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MAPK o</b>	<b>EP300 &amp; -IL-1-D</b>	<b>EP300 &amp; -d15q15&amp; -IL-1-D</b>	<b>-d15q15&amp; -IL-1-D&amp; MAPK &amp; -PI3K o</b>	<b>MYC   MAPK o</b>	<b>[ EP300 &amp; -IL-1-D ]   [ MLL2 &amp; -d16q23 ]</b>	<b>ASXL2   MYC   MAPK o</b>	<b>ASXL2   MYC   H2O2-D   MAPK o</b>
TP   FP	4   1	4   0	4   0	3   1	5   2	8   3	6   2	7   2
Specificity	0.94	1	1	0.94	0.88	0.82	0.88	0.88
FN   TN	6   16	6   17	6   17	7   16	5   15	2   14	4   15	3   15
Precision	0.8	1	1	0.75	0.71	0.73	0.75	0.78
Recall	0.4	0.4	0.4	0.3	0.5	0.8	0.6	0.7

DLBC  
 id: 312 name: AV-951  
 target: VEGFR class: RTK signaling

27 cell lines  
 12 sensitive

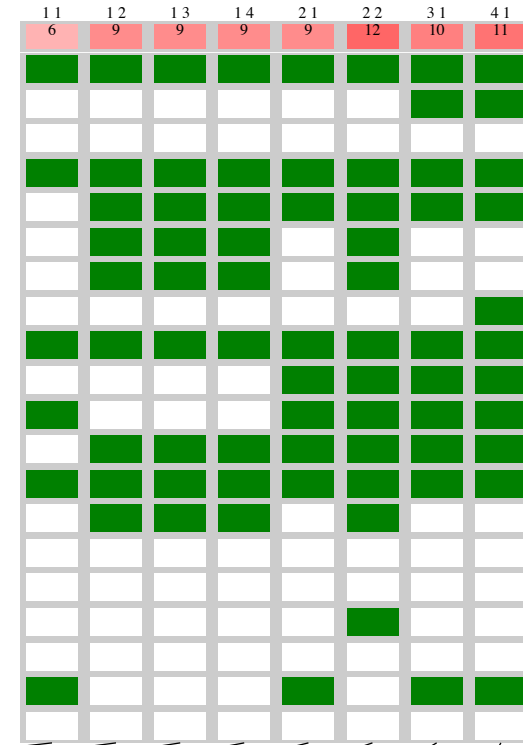
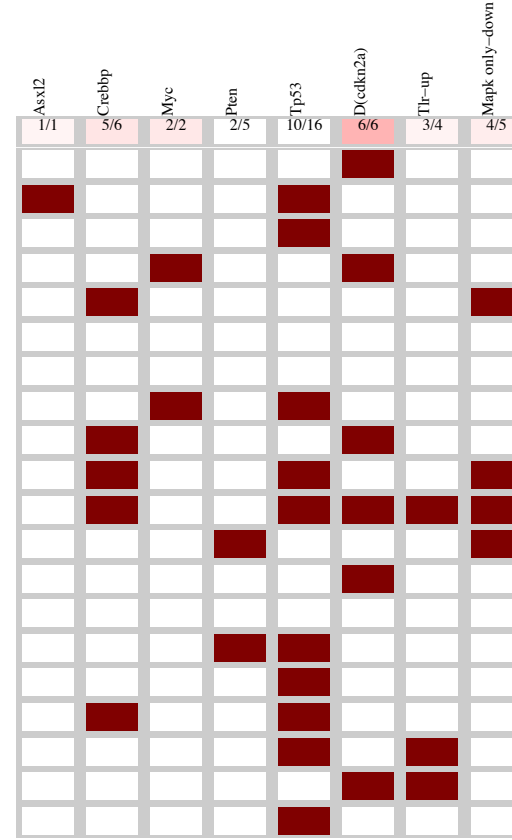
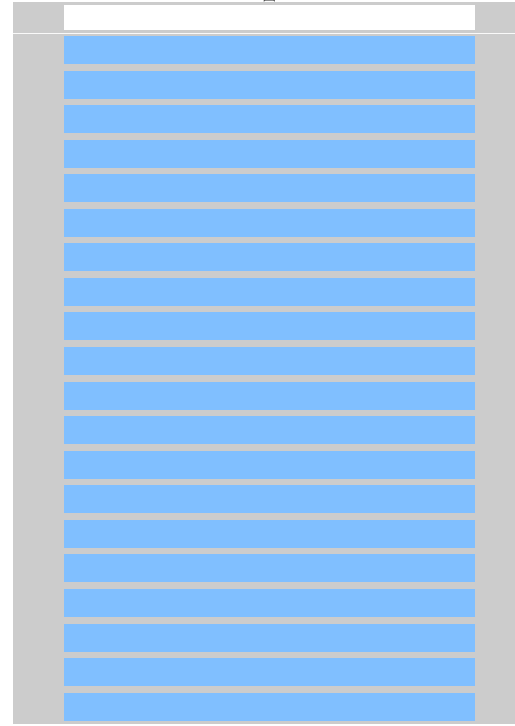
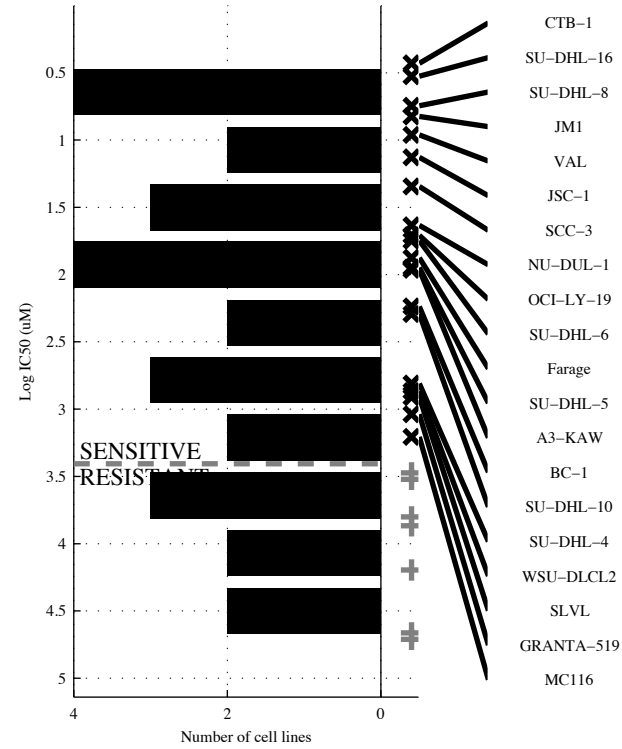


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>ASXL2</b>	<b>ASXL2 &amp;</b>	<b>ASXL2 &amp; &amp;</b>	<b>-d16q23 &amp; d(CDKn2a) &amp;</b>	<b>ASXL2   H2O2-D</b>	<b>[ -RNF43 &amp; H2O2-D ]</b>	<b>ASXL2   Wnt-UP  </b>	<b>ASXL2   MYC  </b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{11} \mid \frac{0}{15}$ 1 0.083	$\frac{1}{11} \mid \frac{0}{15}$ 1 0.083	$\frac{1}{11} \mid \frac{0}{15}$ 1 0.083	$\frac{7}{5} \mid \frac{3}{12}$ 0.8 0.7 0.58	$\frac{2}{10} \mid \frac{0}{15}$ 1 0.17	$\frac{2}{10} \mid \frac{0}{15}$ 1 0.17	$\frac{4}{8} \mid \frac{1}{14}$ 0.93 0.8 0.33	$\frac{5}{7} \mid \frac{1}{14}$ 0.93 0.83 0.42

DLBC  
 id: 329 name: QL-XI-92  
 target: DDR1 class: RTK signaling

27 cell lines  
 20 sensitive

Lymphoma 20/27

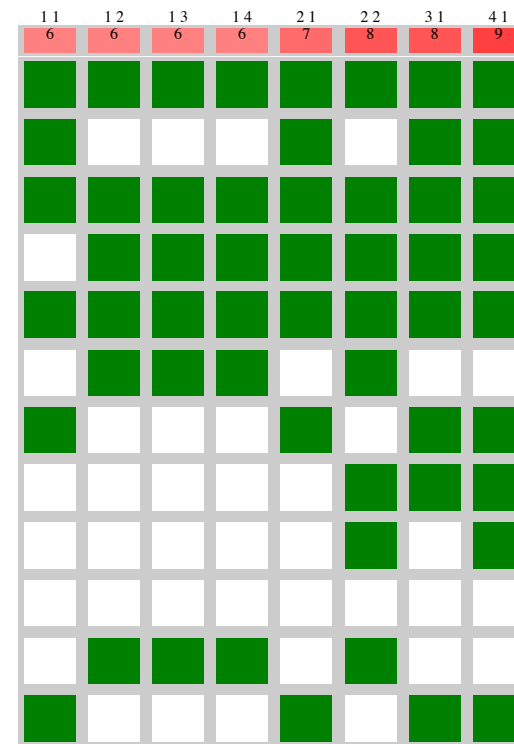
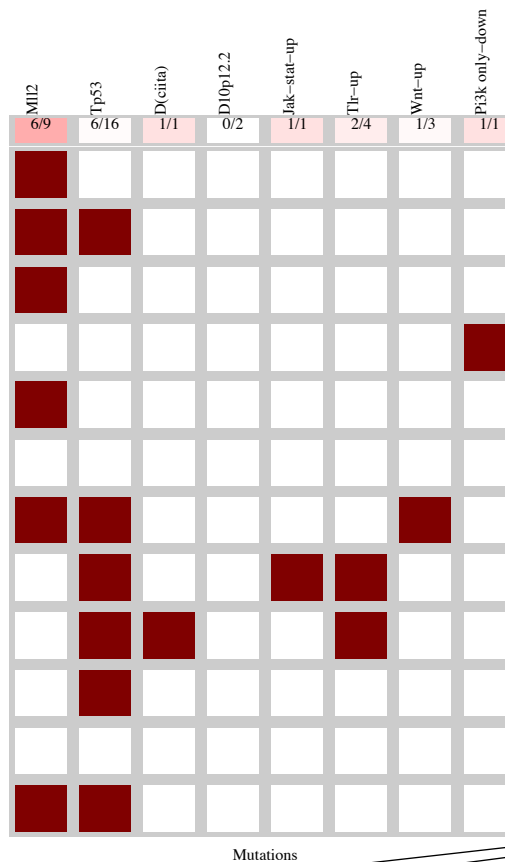
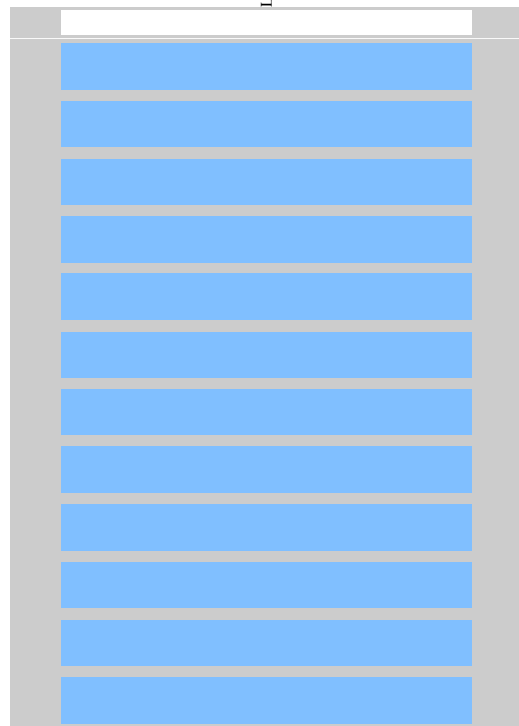
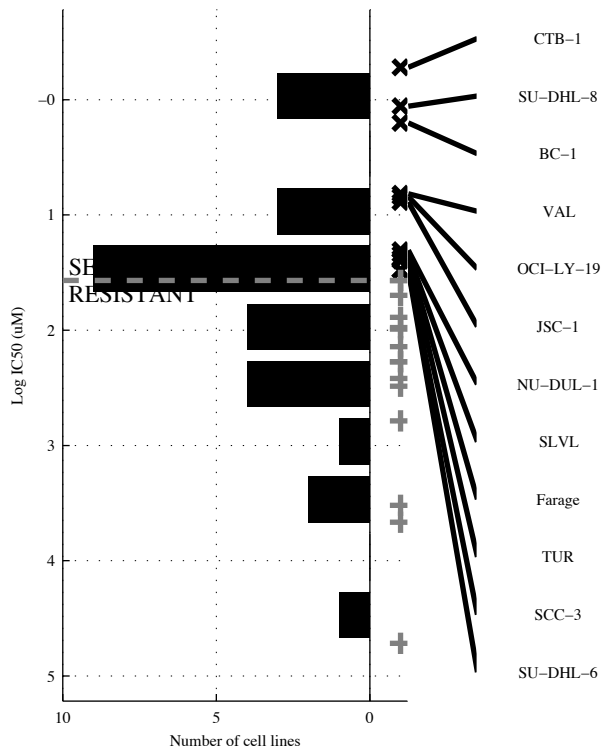


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	d(CDKN)	-TP53 & TLR-UP	-TP53 & TLR-UP	-TP53 & TLR-UP	d(CDKN)   MAPK o	[ CREBBP & -PTEN ]   [ -TP53 & TLR-UP ]	ASXL2   d(CDKN)   MAPK o	ASXL2   MYC   d(CDKN)   MAPK o
TP   FP Specificity FN   TN Precision Recall	$\frac{6}{14} \mid \frac{0}{7}$ 1 0.3	$\frac{9}{11} \mid \frac{0}{7}$ 1 0.45	$\frac{9}{11} \mid \frac{0}{7}$ 1 0.45	$\frac{9}{11} \mid \frac{0}{7}$ 1 0.45	$\frac{9}{11} \mid \frac{1}{6}$ 0.86 0.9 0.45	$\frac{12}{8} \mid \frac{0}{7}$ 1 0.6	$\frac{10}{10} \mid \frac{1}{6}$ 0.86 0.91 0.5	$\frac{11}{9} \mid \frac{1}{6}$ 0.86 0.92 0.55

DLBC  
 id: 330 name: XMD13-2  
 target: RIPK class: other

27 cell lines  
 12 sensitive

Lymphoma 12/27

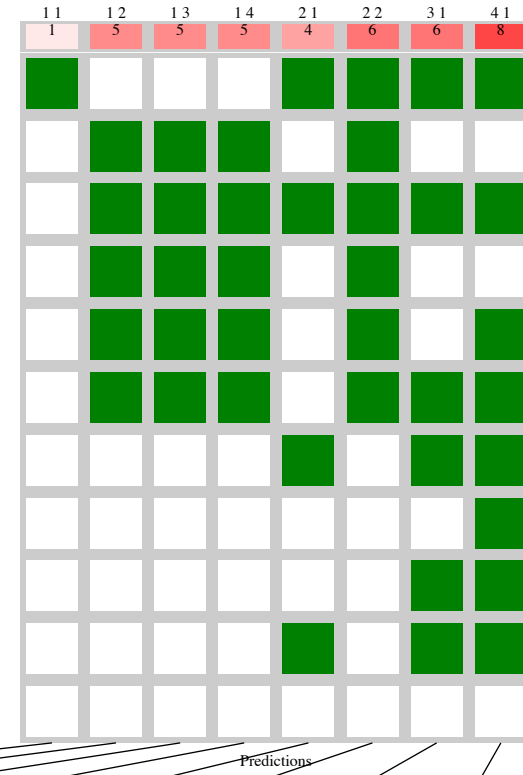
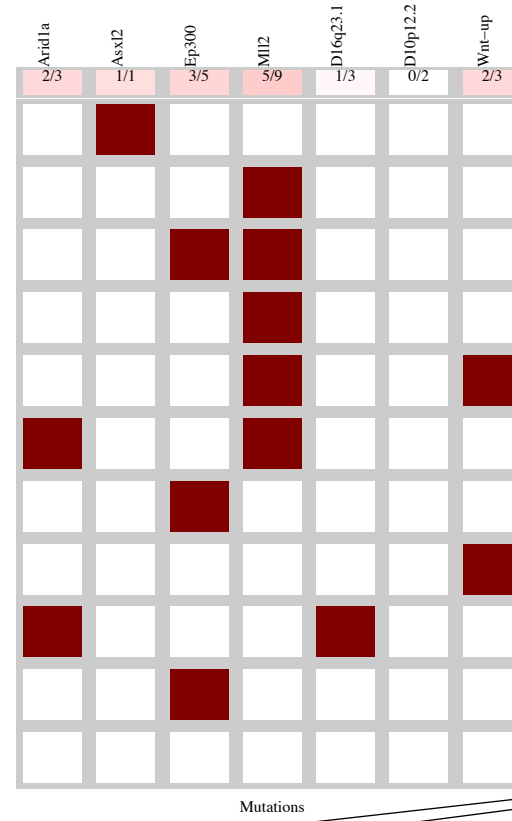
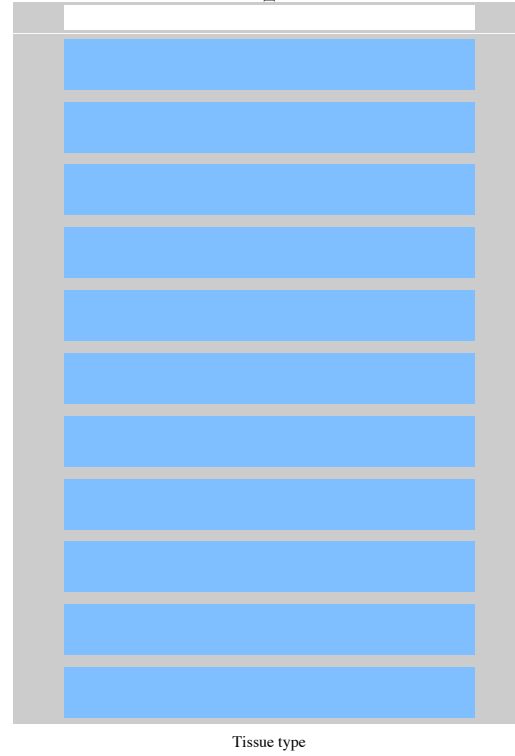
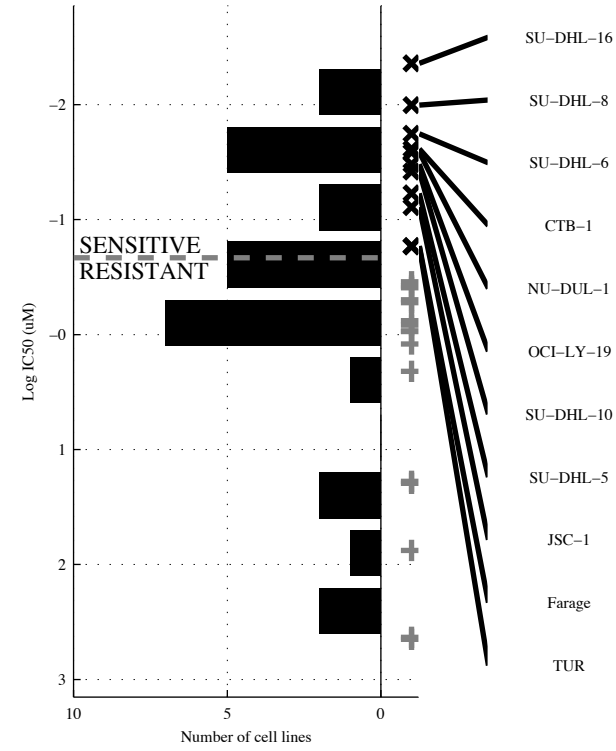


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MLL2</b>	<b>-TP53 &amp; TLR-UP</b>	<b>-TP53 &amp; TLR-UP &amp; -Wnt-UP</b>	<b>-TP53 &amp; -d10p12.2 &amp; -TLR-UP &amp; Wnt-UP</b>	<b>MLL2   PI3K o</b>	<b>[ TP53 &amp; TLR-UP ]   [ -TP53 &amp; TLR-UP ]</b>	<b>MLL2   JAK-ST   PI3K o</b>	<b>MLL2   d(CIT1)   JAK-ST   PI3K o</b>
TP   FP	6   3	6   3	6   1	6   0	7   3	8   3	8   3	9   3
Specificity	0.8	0.8	0.93	1	0.8	0.8	0.8	0.8
FN   TN	6   12	6   12	6   14	6   15	5   12	4   12	4   12	3   12
Precision	0.67	0.67	0.86	1	0.7	0.73	0.73	0.75
Recall	0.5	0.5	0.5	0.5	0.58	0.67	0.67	0.75

DLBC  
 id: 331 name: QL-X-138  
 target: MNK2, PRKDC (DNAPK), MTOR, BTK, JAK3 class: other

27 cell lines  
 11 sensitive

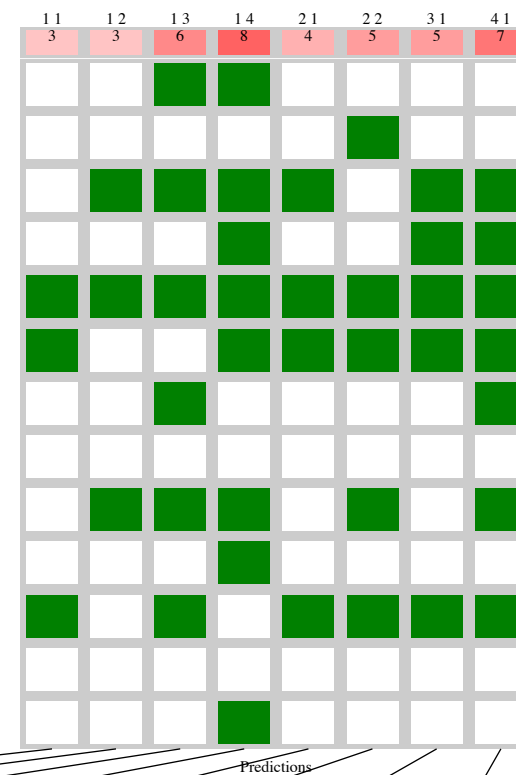
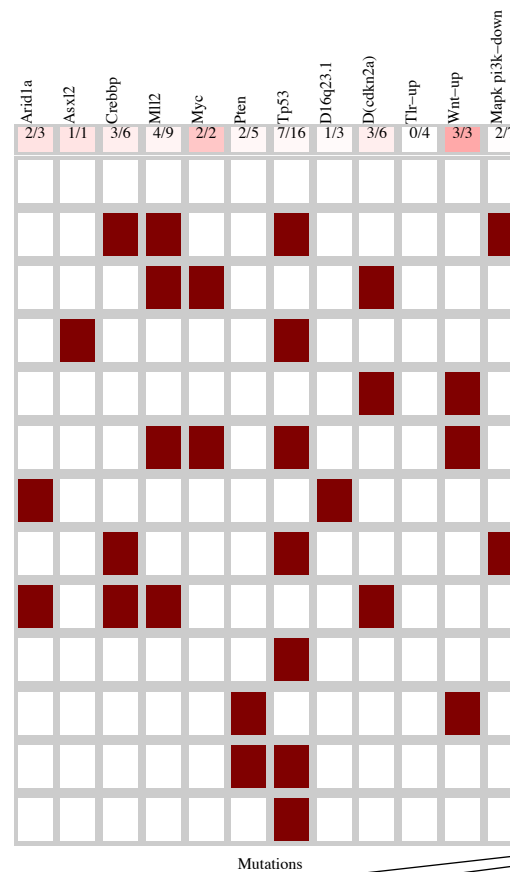
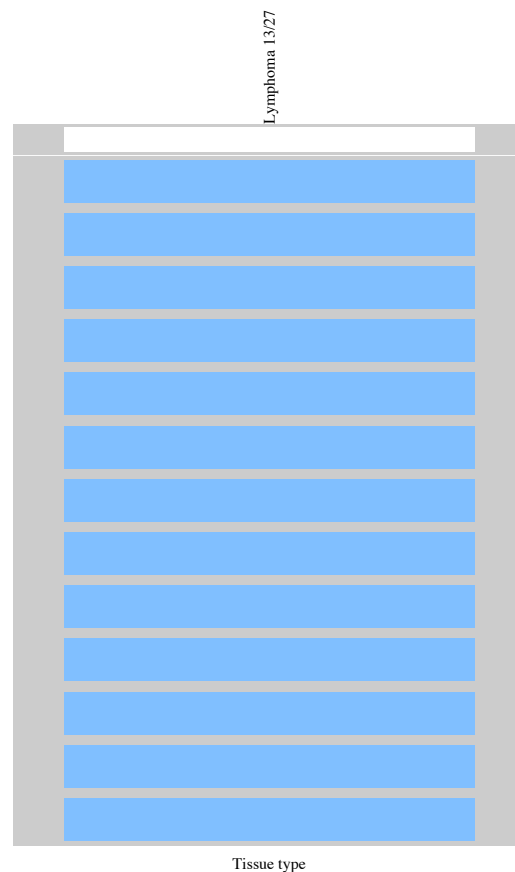
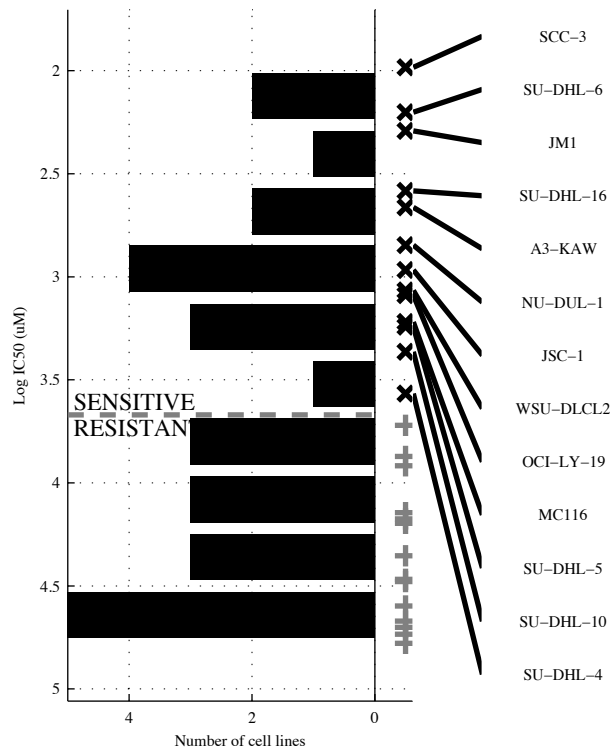
Lymphoma 11/27



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>ASXL2</b>	<b>MLL2 &amp; ¬d16q23</b>	<b>MLL2 &amp; ¬d16q23 &amp; ¬d10p12</b>	<b>MLL2 &amp; ¬d16q23 &amp; ¬d10p12</b>	<b>ASXL2   EP300</b>	<b>[ ASXL2 &amp; ¬MLL2 ]   [ MLL2 &amp; ¬d16q23 ]</b>	<b>ARID1A   ASXL2   EP300</b>	<b>ARID1A   ASXL2   EP300   Wnt-UP</b>
TP   FP	1   0	5   3	5   2	5   2	4   2	6   3	6   2	8   3
Specificity	1	0.81	0.88	0.88	0.88	0.81	0.88	0.81
FN   TN	10   16	6   13	6   14	6   14	7   14	5   13	5   14	3   13
Precision	1	0.63	0.71	0.71	0.67	0.67	0.75	0.73
Recall	0.091	0.45	0.45	0.45	0.36	0.55	0.55	0.73

DLBC  
 id: 332 name: XMD15-27  
 target: CAMK2B, CLK2, DYRK1A, MAST1, STK39 class: other

27 cell lines  
 13 sensitive



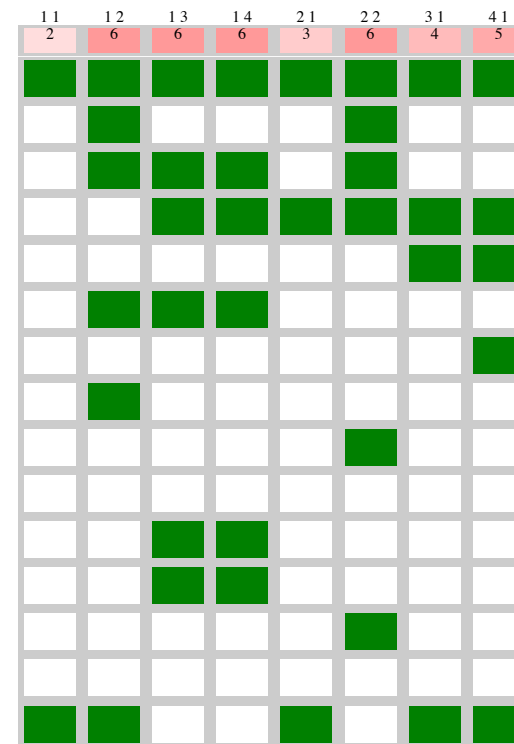
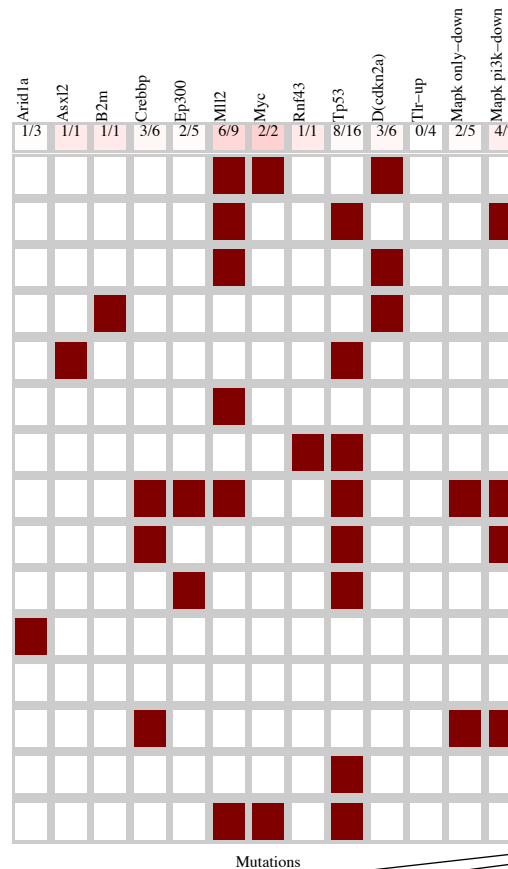
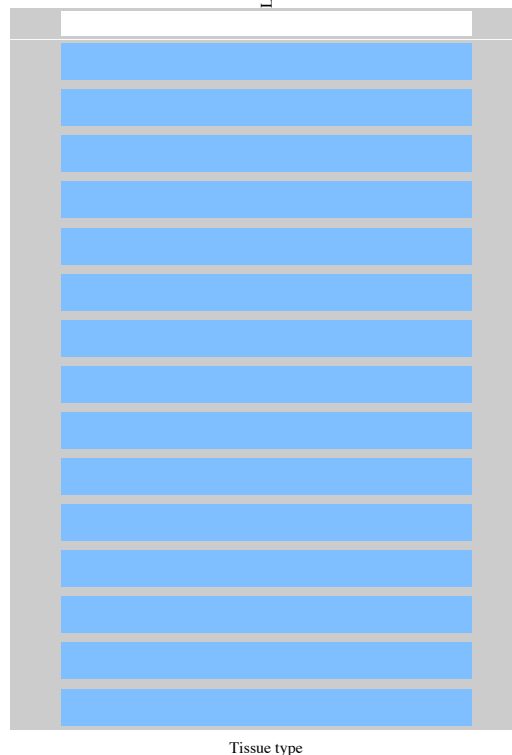
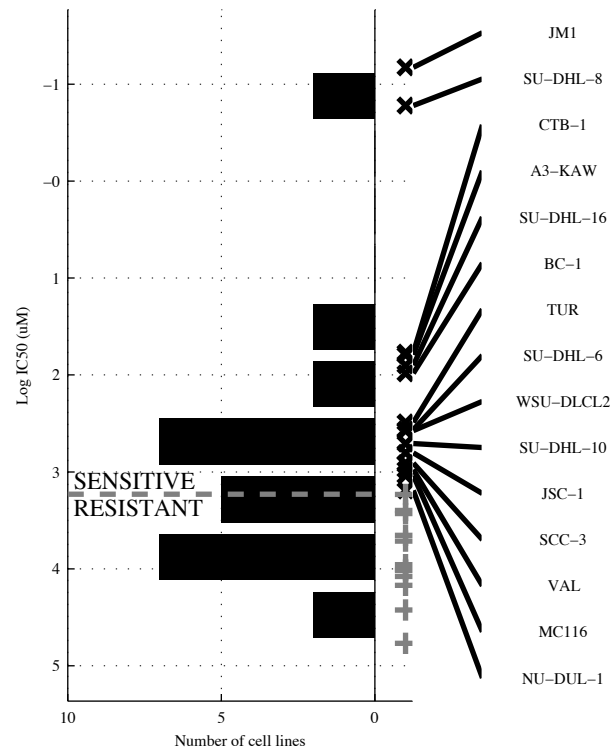
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>Wnt-UP</b>	<b>d(CDKN&amp;TLR-UP</b>	<b>-TP53 &amp; TLR-UP</b>	<b>-PTEN &amp; d16q23 &amp; -TLR-UP &amp; MAPK P</b>	<b>MYC   Wnt-UP</b>	<b>[TLR-UP &amp; Wnt-UP]</b>	<b>ASXL2   MYC   Wnt-UP</b>	<b>ARID1A   ASXL2   MYC   Wnt-UP</b>
TP   FP	3   0	3   1	6   2	8   2	4   0	5   0	5   0	7   1
Specificity	1	0.93	0.86	0.86	1	1	1	0.93
FN   TN	10   14	10   13	7   12	5   12	9   14	8   14	8   14	6   13
Precision	1	0.75	0.75	0.8	1	1	1	0.88
Recall	0.23	0.23	0.46	0.62	0.31	0.38	0.38	0.54



DLBC  
 id: 333 name: T0901317  
 target: LXR class: other

27 cell lines  
 15 sensitive

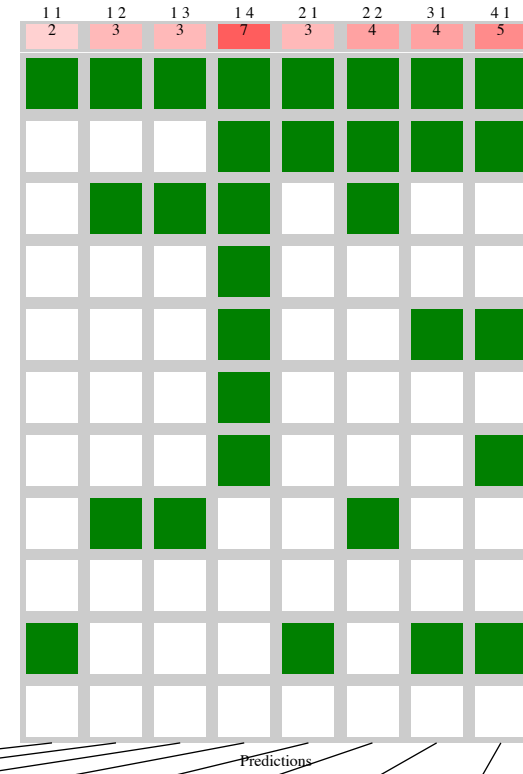
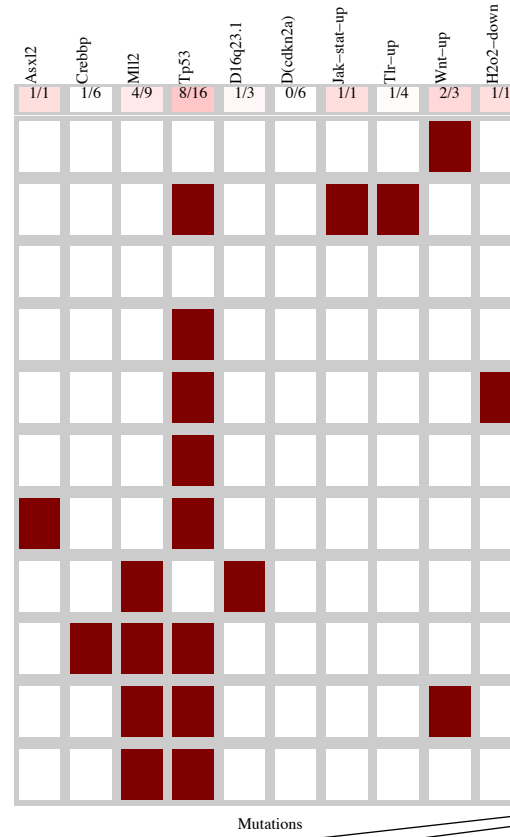
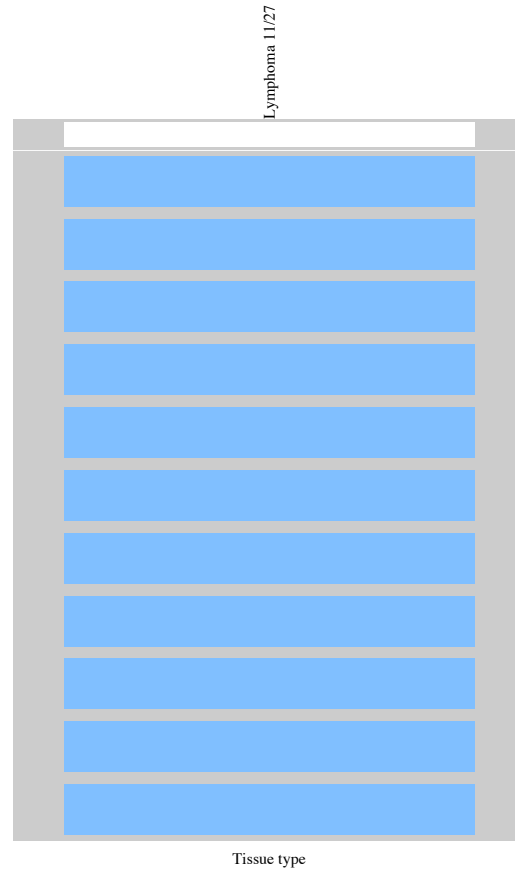
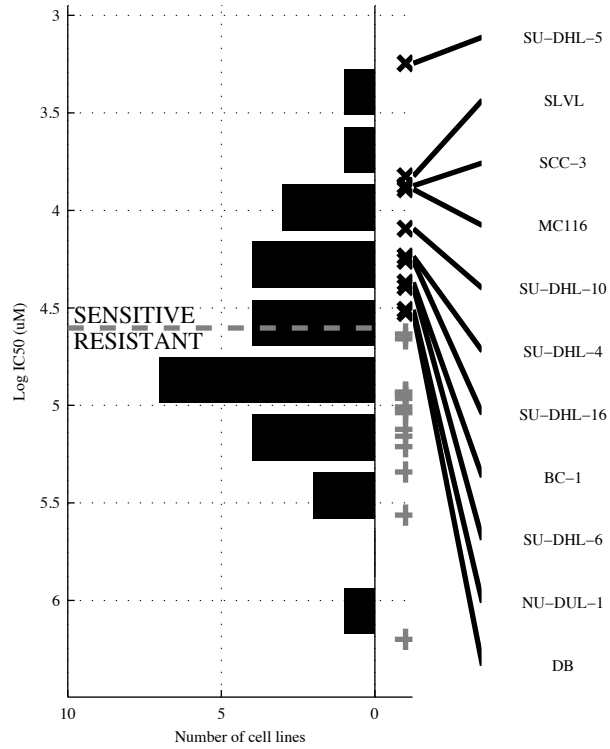
Lymphoma 15/27



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MYC</b>	<b>-ARID1&amp; MLL2</b>	<b>-CREBB&amp; -TP53 &amp; -TLR-UP</b>	<b>-CREBB&amp; -TP53 &amp; -TLR-UP&amp;MAPK o</b>	<b>B2M   MYC</b>	<b>[ -EP300&amp;MAPK P ]   [CREBB&amp;(CDKN)]</b>	<b>ASXL2   B2M   MYC</b>	<b>ASXL2   B2M   MYC   RNF43</b>
TP   FP	2   0	6   2	6   1	6   0	3   0	6   2	4   0	5   0
Specificity	1	0.83	0.92	1	1	0.83	1	1
FN   TN	13   12	9   10	9   11	9   12	12   12	9   10	11   12	10   12
Precision	1	0.75	0.86	1	1	0.75	1	1
Recall	0.13	0.4	0.4	0.4	0.2	0.4	0.27	0.33

DLBC  
 id: 341 name: EX-527  
 target: SIRT1 class: other

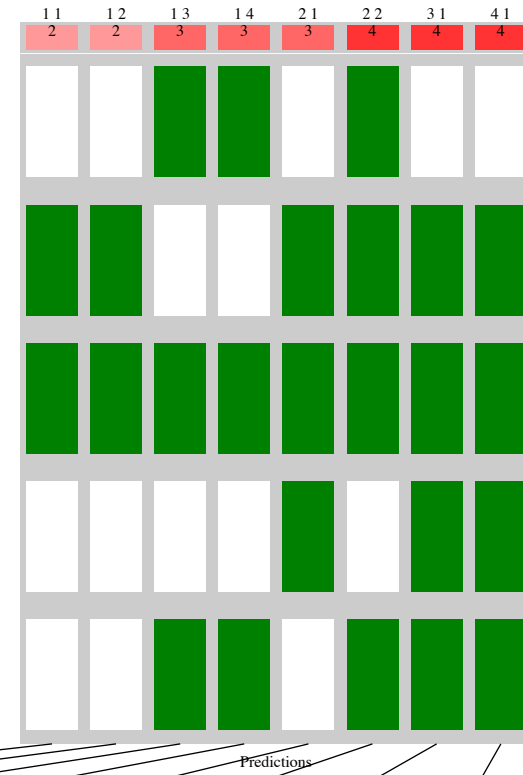
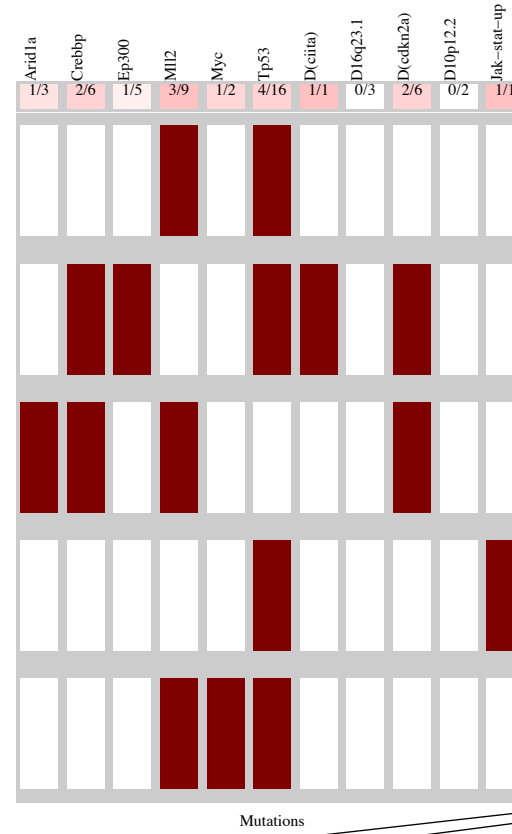
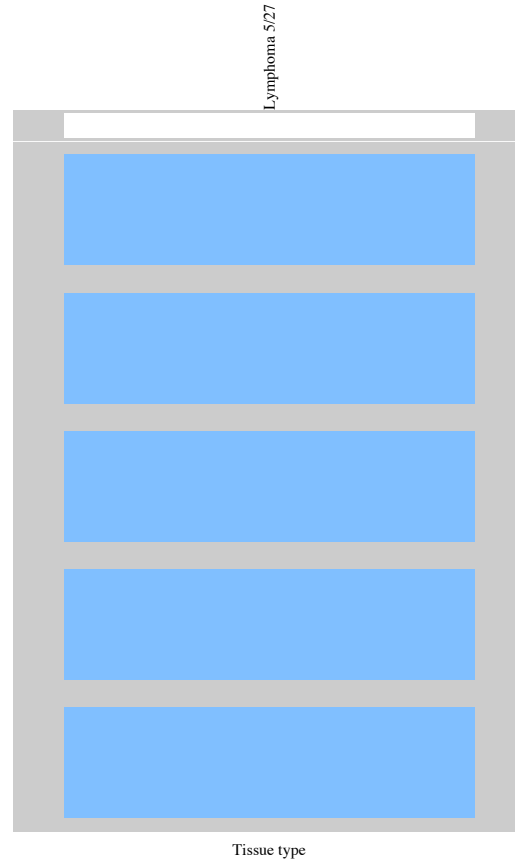
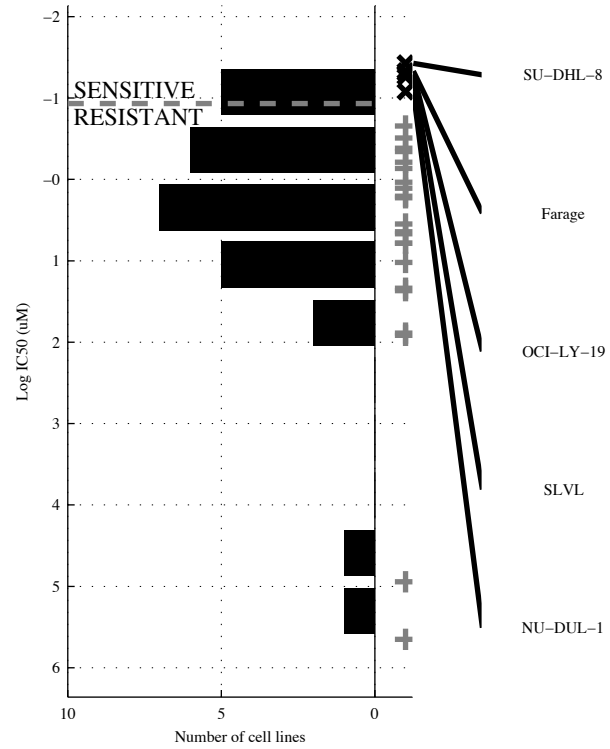
27 cell lines  
 11 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>Wnt-UP</b>		<b>-TP53 &amp; d(CDKN</b>		<b>-TP53 &amp; d(CDKN &amp;</b>		<b>-CREBBP &amp; MLL2 &amp;</b>		<b>JAK-STI Wnt-UP</b>		<b>[ -d(CDKN &amp; TLR-UP]</b>		<b>JAK-STI Wnt-UP </b>		<b>ASXL2  JAK-STI </b>	
					<b>-TLR-UP</b>		<b>-d16q23 &amp; d(CDKN</b>				<b>[ -TP53 &amp; d(CDKN]</b>		<b>H2O2-D</b>		<b>Wnt-UP H2O2-D</b>	
TP   FP Specificity	2   1	0.94	3   3	0.81	3   2	0.88	7   3	0.81	3   1	0.94	4   3	0.81	4   1	0.94	5   1	0.94
FN   TN Precision	9   15	0.67	8   13	0.5	8   14	0.6	4   13	0.7	8   15	0.75	7   13	0.57	7   15	0.8	6   15	0.83
Recall		0.18		0.27		0.27		0.64		0.27		0.36		0.36		0.45

DLBC  
 id: 344 name: THZ-2-49  
 target: CDK9 class: cell cycle

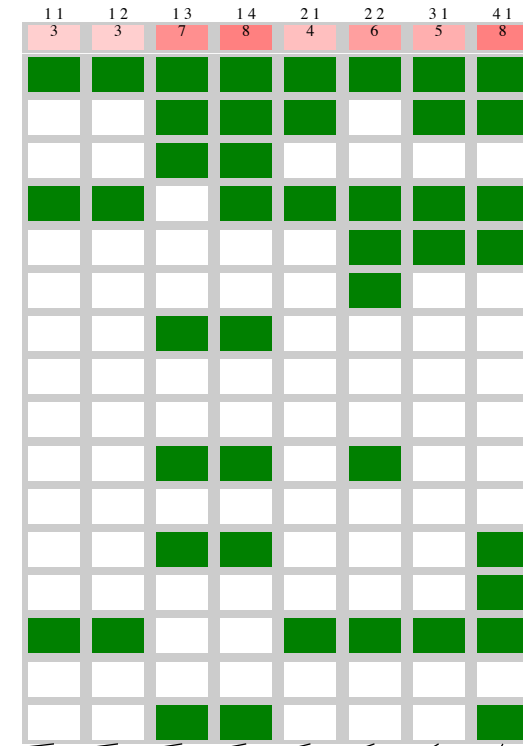
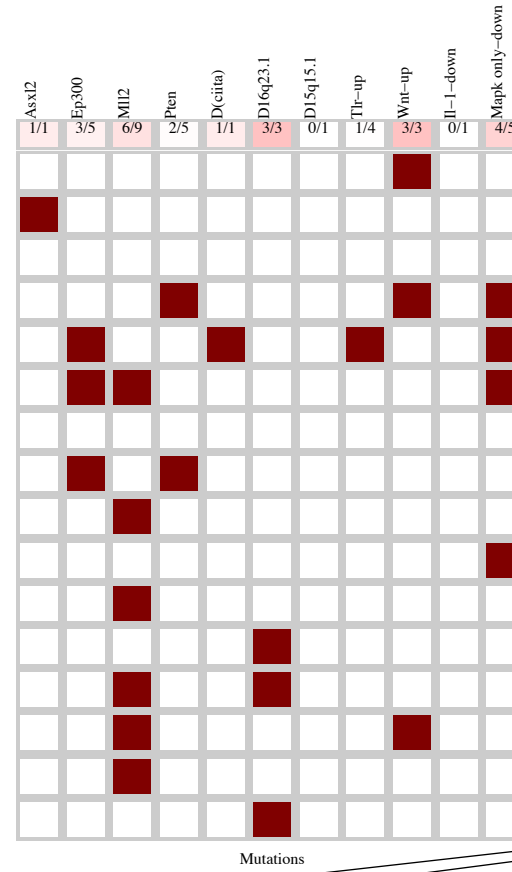
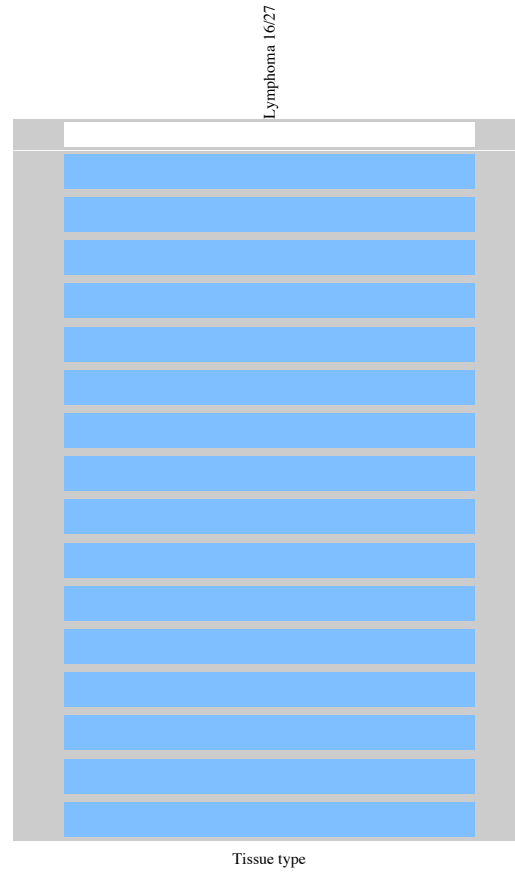
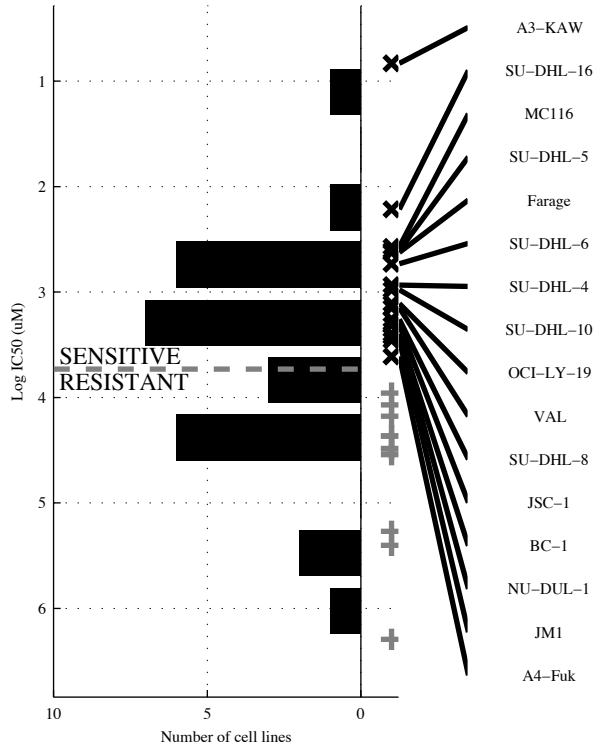
27 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d(CDKN)</b>	<b>CREBBP &amp; d(CDKN)</b>	<b>MLL2 &amp; -d16q23 &amp; -d10p12</b>	<b>-EP300 &amp; MLL2 &amp; -d16q23 &amp; -d10p12</b>	<b>d(CDKN)   JAK-ST</b>	<b>[ MLL2 &amp; TP53 ]   [CREBBP &amp; d(CDKN)]</b>	<b>MYC   d(CDKN)   JAK-ST</b>	<b>ARID1A   MYC   d(CIT1)   JAK-ST</b>
TP   FP	2   4	2   0	3   4	3   3	3   4	4   3	4   4	4   3
Specificity	0.82	1	0.82	0.86	0.82	0.86	0.82	0.86
FN   TN	3   18	3   22	2   18	2   19	2   18	1   19	1   18	1   19
Precision	0.33	1	0.43	0.5	0.43	0.57	0.5	0.57
Recall	0.4	0.4	0.6	0.6	0.6	0.8	0.8	0.8

DLBC  
 id: 345 name: KIN001-270  
 target: CDK9 class: cell cycle

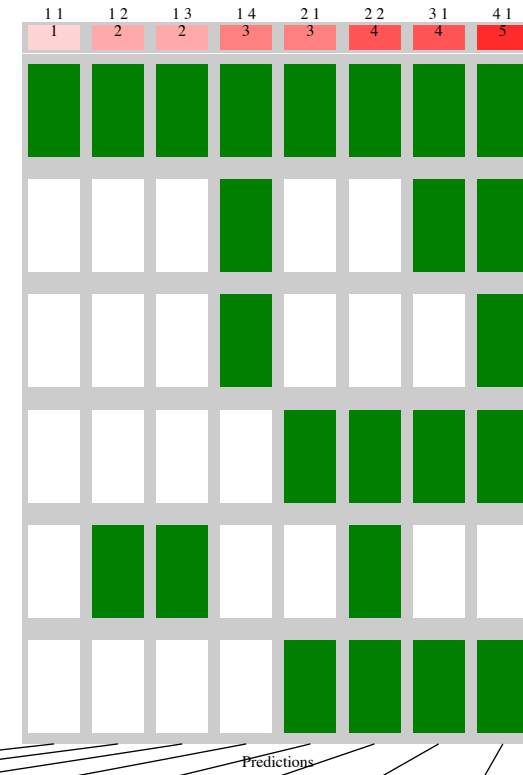
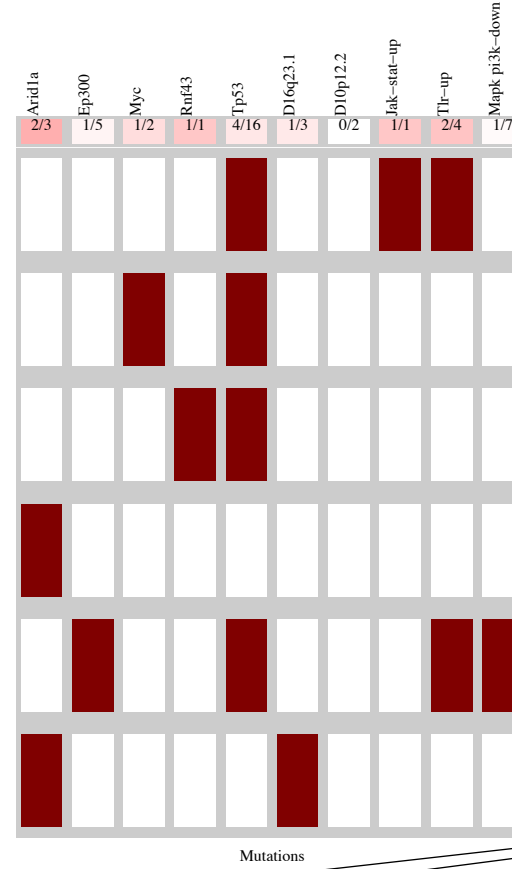
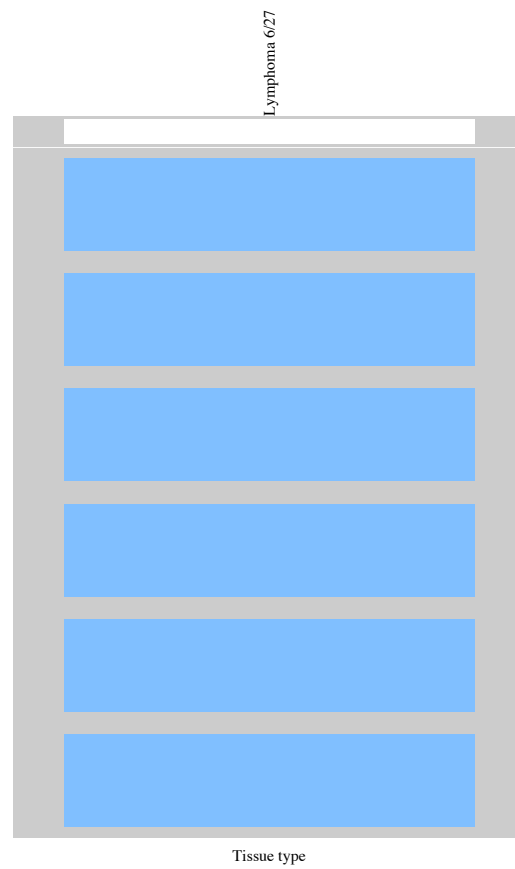
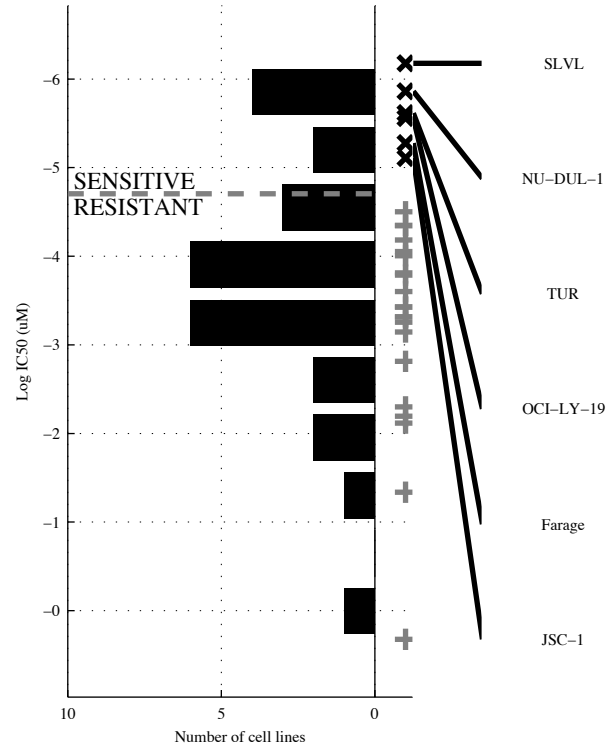
27 cell lines  
 16 sensitive



Model name	11	12	13	14	21	22	31	41
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>Wnt-UP</b>	<b>Wnt-UP &amp; IL-1-D</b>	<b>-MLL2 &amp; -PTEN &amp; -TLR-UP</b>	<b>-EP300 &amp; -MLL2 &amp; -d15q15 &amp; TLR-UP</b>	<b>ASXL2   Wnt-UP</b>	<b>[Wnt-UP &amp; ]   [-PTEN &amp; MAPK o]</b>	<b>ASXL2   d(CIT   Wnt-UP</b>	<b>ASXL2   d(CIT   d16q23   Wnt-UP</b>
TP   FP	3   0	3   0	7   2	8   2	4   0	6   0	5   0	8   0
Specificity	1	1	0.82	0.82	1	1	1	1
FN   TN	13   11	13   11	9   9	8   9	12   11	10   11	11   11	8   11
Precision	1	1	0.78	0.8	1	1	1	1
Recall	0.19	0.19	0.44	0.5	0.25	0.38	0.31	0.5

DLBC  
 id: 346 name: THZ-2-102-1  
 target: CDK7 class: cell cycle

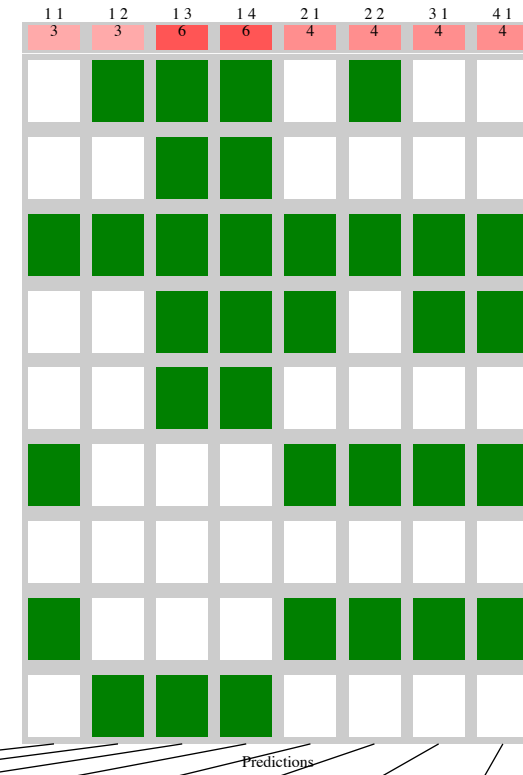
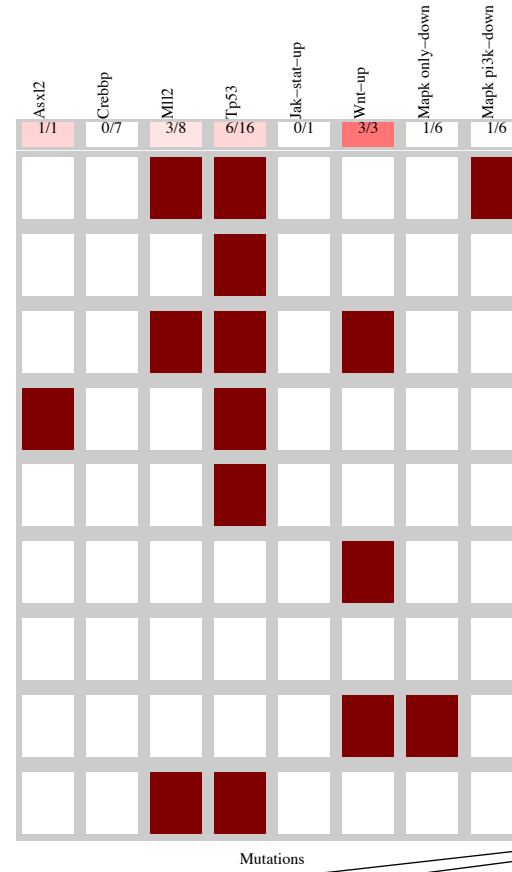
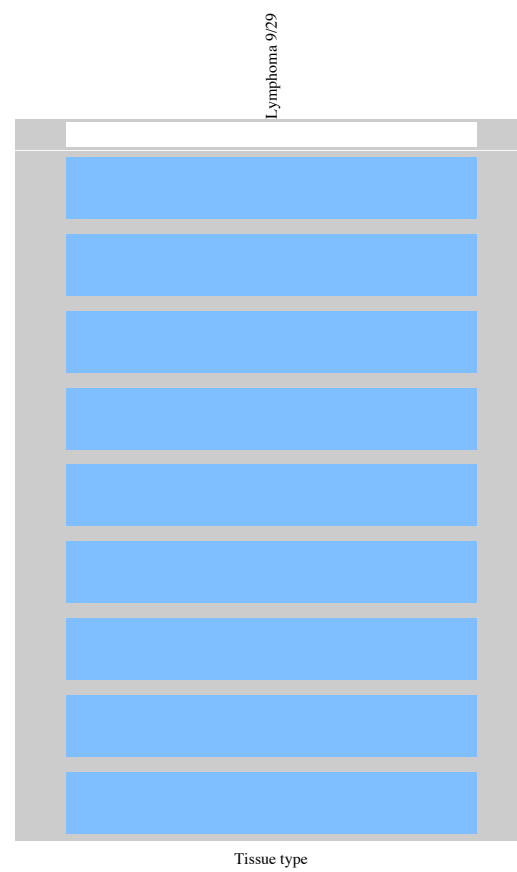
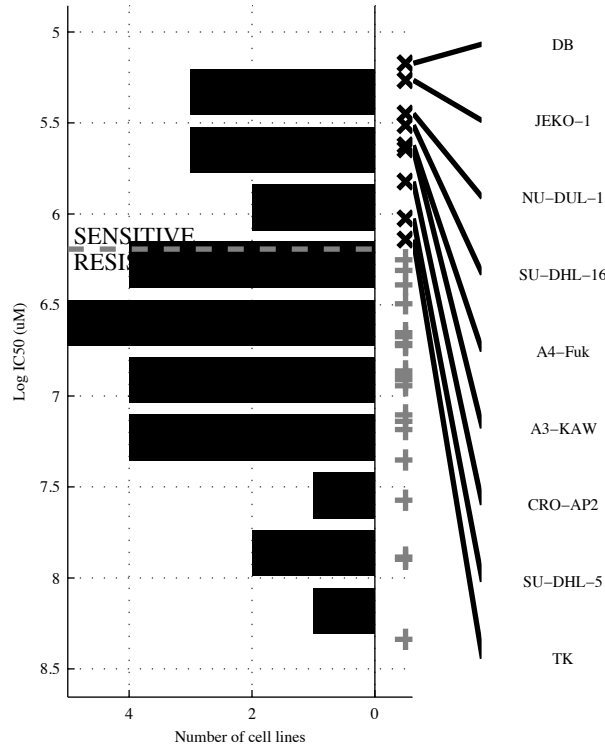
27 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>JAK-ST</b>	<b>TP53 &amp; TLR-UP</b>	<b>TP53 &amp; -d10p12&amp;</b> <b>TLR-UP</b>	<b>-EP300&amp; TP53 &amp;</b> <b>-d16q23&amp;MAPK P</b>	<b>ARID1A JAK-ST</b>	<b>[ TP53 &amp; TLR-UP ]</b> <b> </b> <b>[ ARID1A &amp; MAPK P ]</b>	<b>ARID1A  MYC  </b> <b>JAK-ST</b>	<b>ARID1A  MYC  </b> <b>RNF43  JAK-ST</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{5} \mid \frac{0}{21}$ 1 0.17	$\frac{2}{4} \mid \frac{0}{21}$ 1 0.33	$\frac{2}{4} \mid \frac{0}{21}$ 1 0.33	$\frac{3}{3} \mid \frac{4}{17}$ 0.81 0.43 0.5	$\frac{3}{3} \mid \frac{1}{20}$ 0.95 0.75 0.5	$\frac{4}{2} \mid \frac{0}{21}$ 1 1 0.67	$\frac{4}{2} \mid \frac{2}{19}$ 0.9 0.67 0.67	$\frac{5}{1} \mid \frac{2}{19}$ 0.9 0.71 0.83

DLBC  
 id: 1001 name: AICAR  
 target: AAPK1 (AMPK) agonist class: metabolism

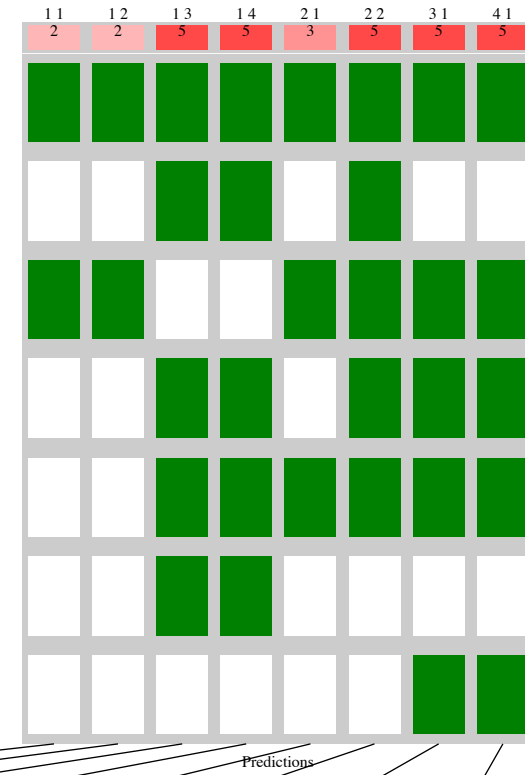
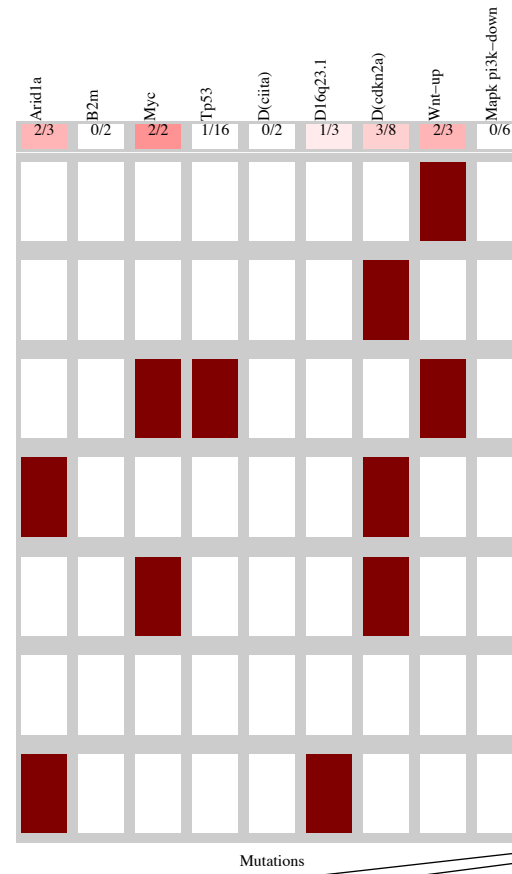
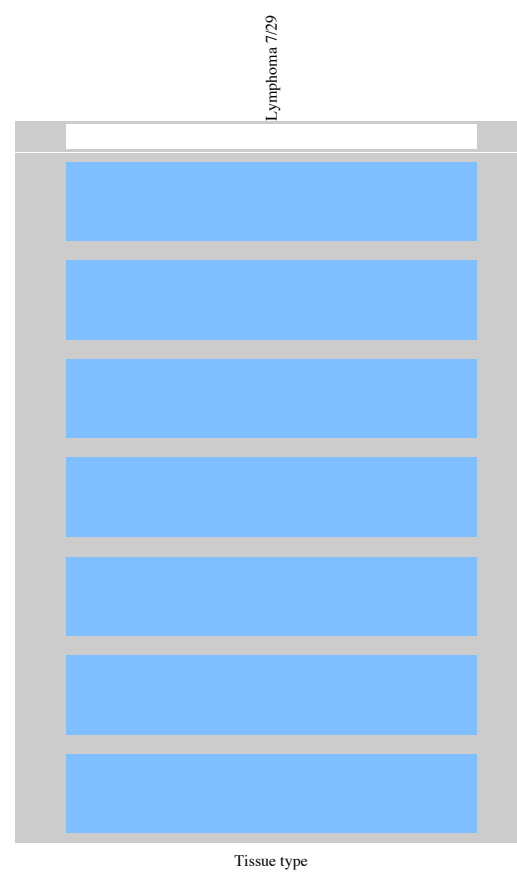
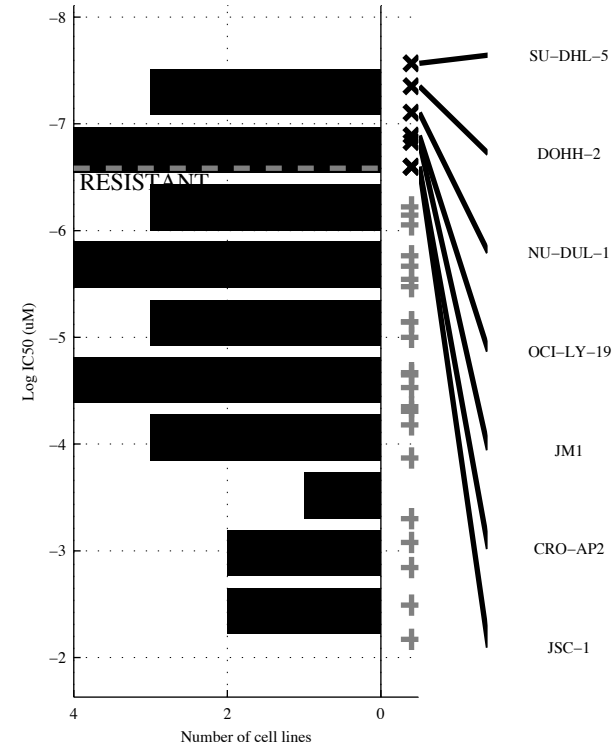
29 cell lines  
 9 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>Wnt-UP</b>	<b>MLL2 &amp; TP53</b>	<b>-CREBBP &amp; TP53 &amp; -MAPK o</b>	<b>-CREBBP &amp; TP53 &amp; -JAK-STAT-UP &amp; MAPK o</b>	<b>ASXL2   Wnt-UP</b>	<b>[ -CREBBP &amp; MAPK P ]   [ Wnt-UP &amp; ]</b>	<b>ASXL2   Wnt-UP  </b>	<b>ASXL2   Wnt-UP  </b>
TP   FP Specificity	3   0 1	3   1 0.95	6   4 0.8	6   3 0.85	4   0 1	4   0 1	4   0 1	4   0 1
FN   TN Precision	6   20 0.33	6   19 0.75	3   16 0.6	3   17 0.67	5   20 1	5   20 1	5   20 1	5   20 1
Recall		0.33	0.67	0.67	0.44	0.44	0.44	0.44

DLBC  
 id: 1003 name: Camptothecin  
 target: TOP1 class: DNA replication

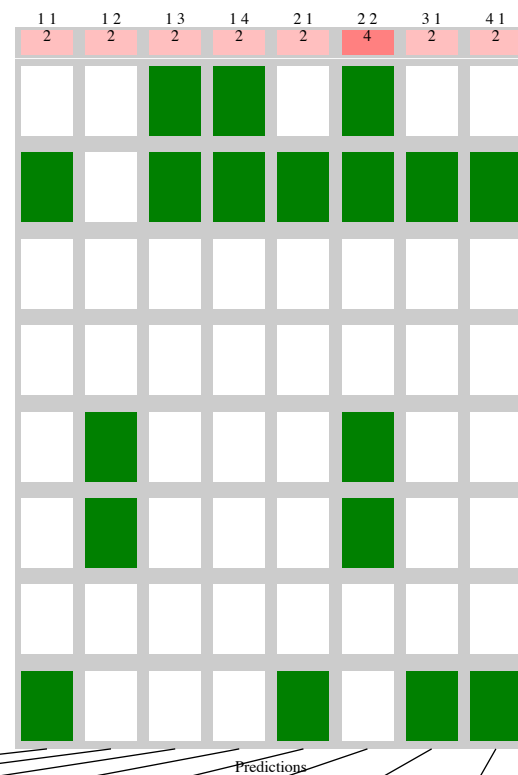
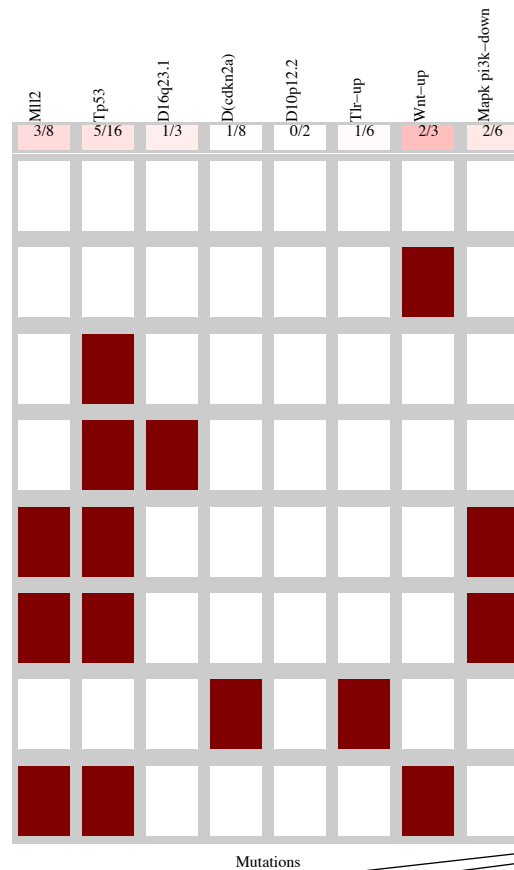
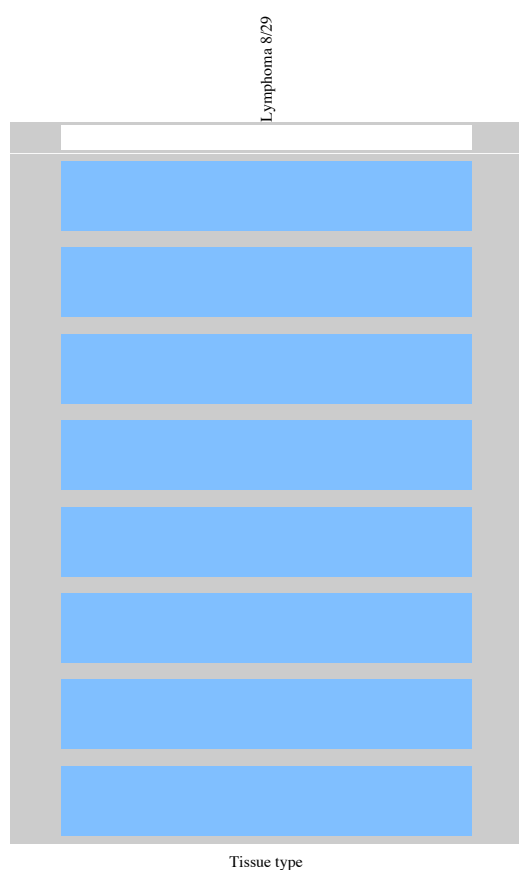
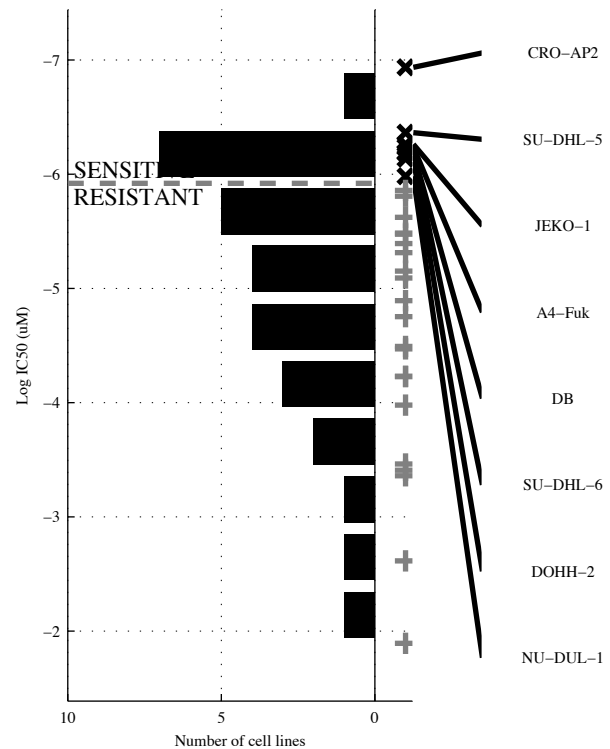
29 cell lines  
 7 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>Wnt-UP</b>	<b>-B2M &amp; Wnt-UP</b>	<b>-B2M &amp; -TP53 &amp; -d16q23</b>	<b>-B2M &amp; -TP53 &amp; -d16q23 &amp; MAPK P</b>	<b>MYC   Wnt-UP</b>	<b>[ -B2M &amp; Wnt-UP ]   [ -d(CIT1) &amp; d(CDKN) ]</b>	<b>ARID1A   MYC   Wnt-UP</b>	<b>ARID1A   MYC   Wnt-UP  </b>
TP   FP	2   1	2   0	5   4	5   3	3   1	5   3	5   2	5   2
Specificity	0.95	1	0.82	0.86	0.95	0.86	0.91	0.91
FN   TN	5   21	5   22	2   18	2   19	4   21	2   19	2   20	2   20
Precision	0.67	1	0.56	0.63	0.75	0.63	0.71	0.71
Recall	0.29	0.29	0.71	0.71	0.43	0.71	0.71	0.71

DLBC  
 id: 1004 name: Vinblastine  
 target: Microtubules class: cytoskeleton

29 cell lines  
 8 sensitive

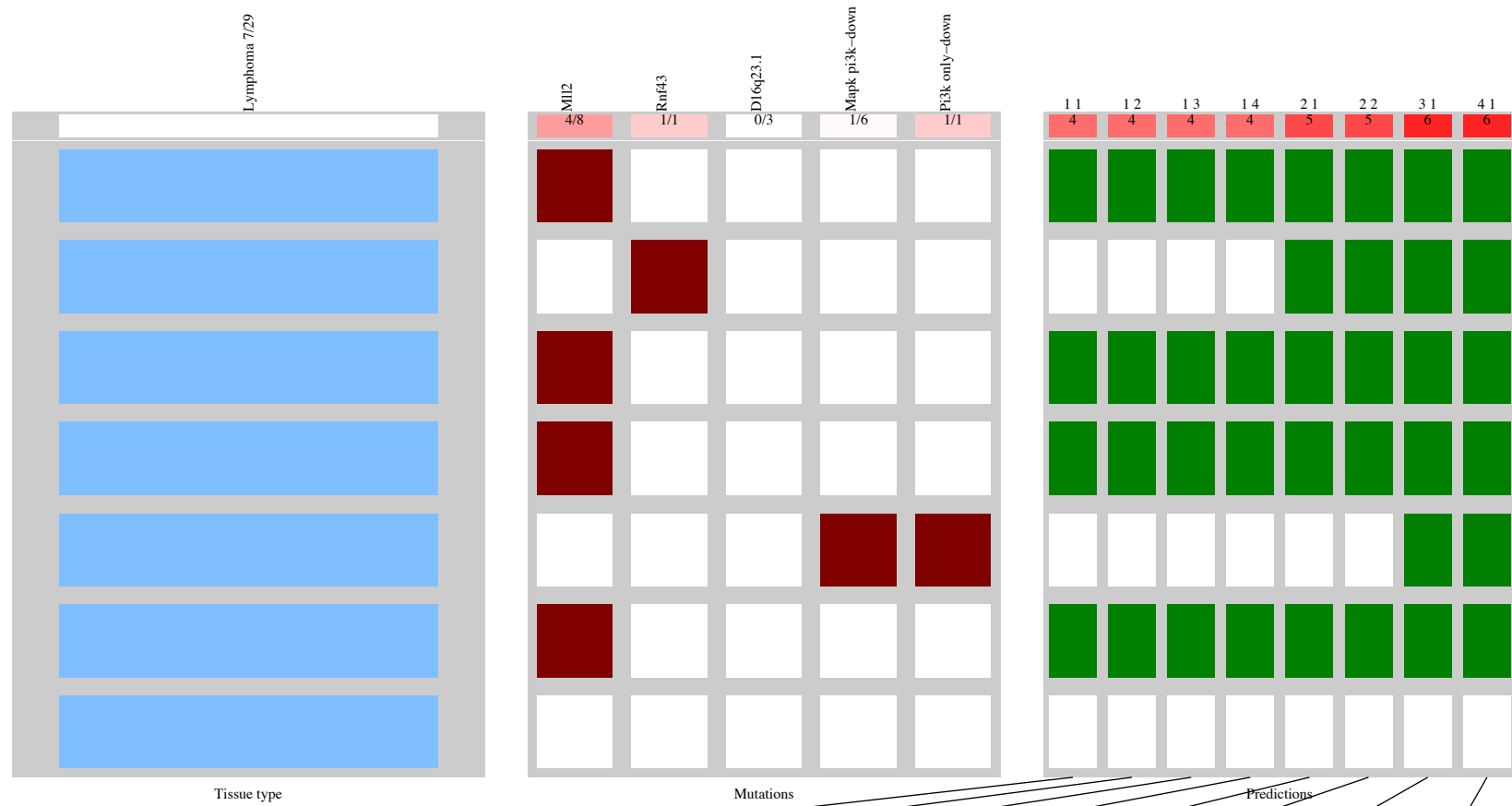
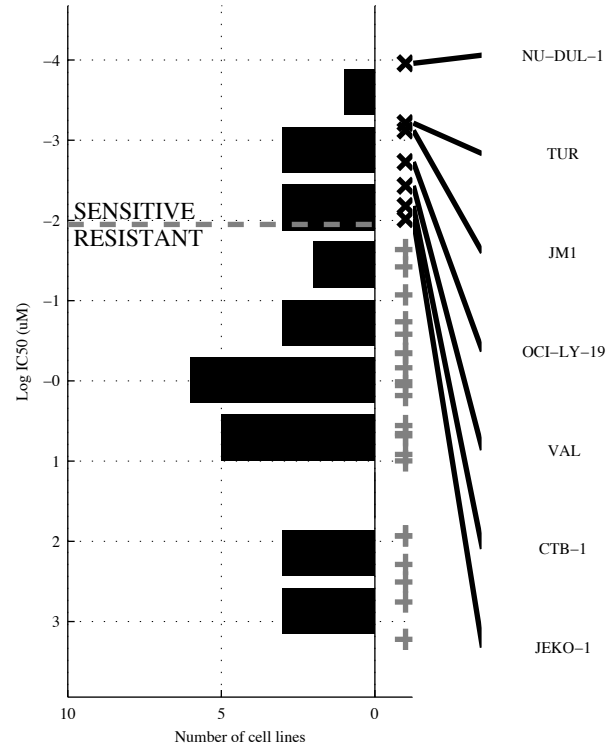


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>Wnt-UP</b>	<b>MLL2 &amp; MAPK P</b>	<b>-MLL2 &amp; -TP53 &amp; -TLR-UP</b>	<b>-TP53 &amp; -d16q23 &amp; -d(CDKN) &amp; -d10p12</b>	<b>Wnt-UP</b>	<b>[ -TP53 &amp; d(CDKN) ]</b>	<b>Wnt-UP</b>	<b>Wnt-UP</b>
TP   FP Specificity	2   1 0.95	2   0 1	2   3 0.86	2   1 0.95	2   1 0.95	4   4 0.81	2   1 0.95	2   1 0.95
FN   TN Precision	6   20 0.67	6   21 1	6   18 0.4	6   20 0.67	6   20 0.67	4   17 0.5	6   20 0.67	6   20 0.67
Recall	0.25	0.25	0.25	0.25	0.25	0.5	0.25	0.25



DLBC  
 id: 1006 name: Cytarabine  
 target: DNA synthesis class: DNA replication

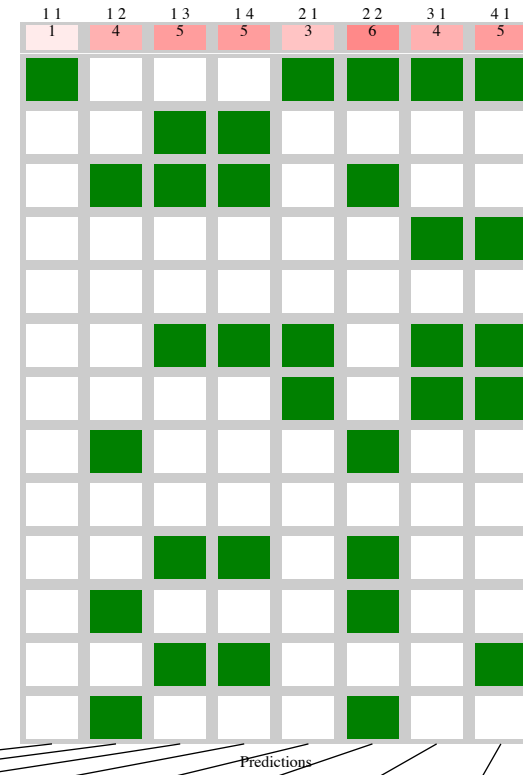
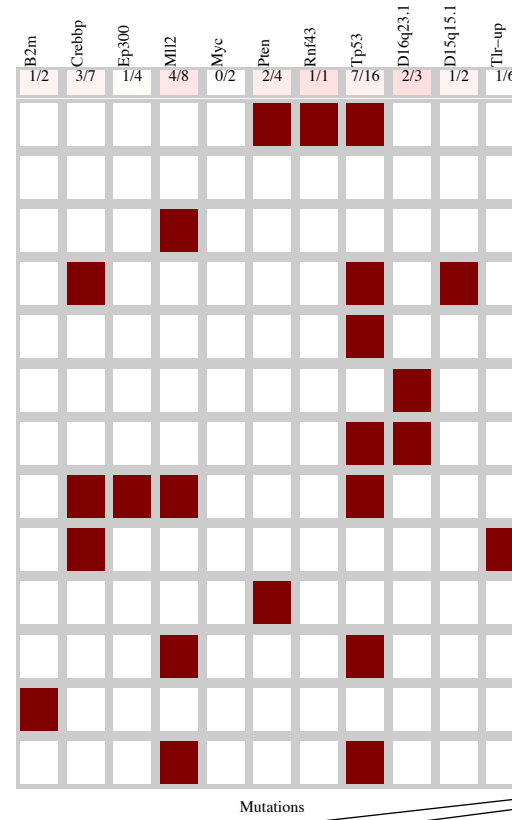
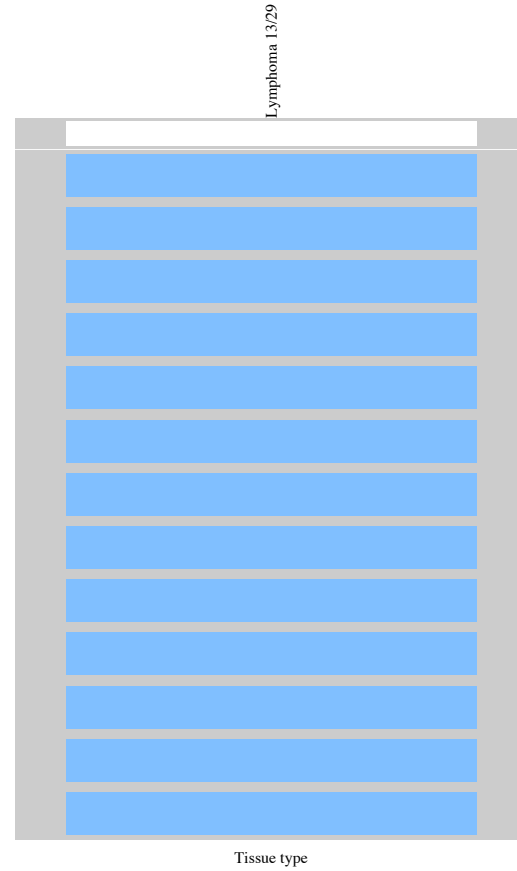
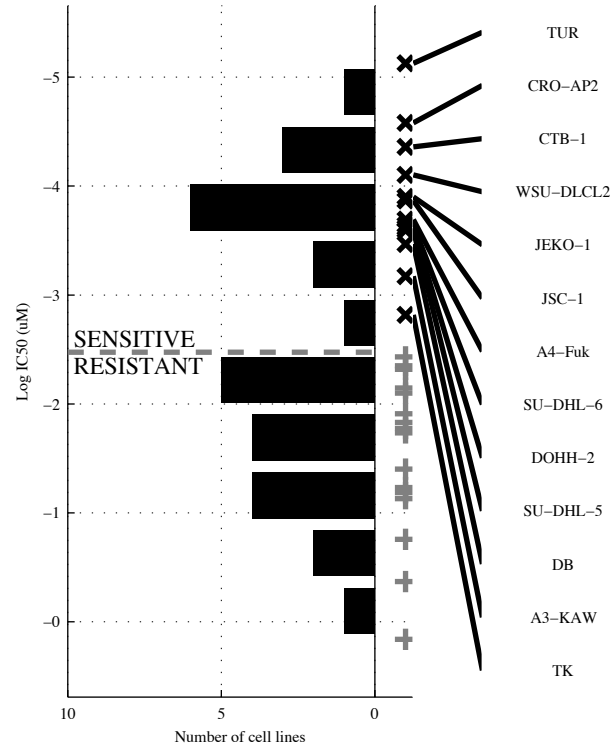
29 cell lines  
 7 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>MLL2</b>	<b>MLL2 &amp; ~d16q23</b>	<b>MLL2 &amp; ~d16q23 &amp; ~MAPK P</b>	<b>MLL2 &amp; ~d16q23 &amp; ~MAPK &amp;</b>	<b>MLL2   RNF43</b>	<b>[ MLL2 &amp; ~d16q23 ]   [ RNF43 &amp; ]</b>	<b>MLL2   RNF43   PI3K o</b>	<b>MLL2   RNF43   PI3K o  </b>
TP   FP Specificity FN   TN Precision Recall	$\frac{4}{3} \mid \frac{4}{18}$ 0.82 0.5 0.57	$\frac{4}{3} \mid \frac{3}{19}$ 0.86 0.57 0.57	$\frac{4}{3} \mid \frac{1}{21}$ 0.95 0.8 0.57	$\frac{4}{3} \mid \frac{1}{21}$ 0.95 0.8 0.57	$\frac{5}{2} \mid \frac{4}{18}$ 0.82 0.56 0.71	$\frac{5}{2} \mid \frac{3}{19}$ 0.86 0.63 0.71	$\frac{6}{1} \mid \frac{4}{18}$ 0.82 0.6 0.86	$\frac{6}{1} \mid \frac{4}{18}$ 0.82 0.6 0.86

DLBC  
 id: 1008 name: Methotrexate  
 target: Dihydrofolate reductase (DHFR) class: DNA replication

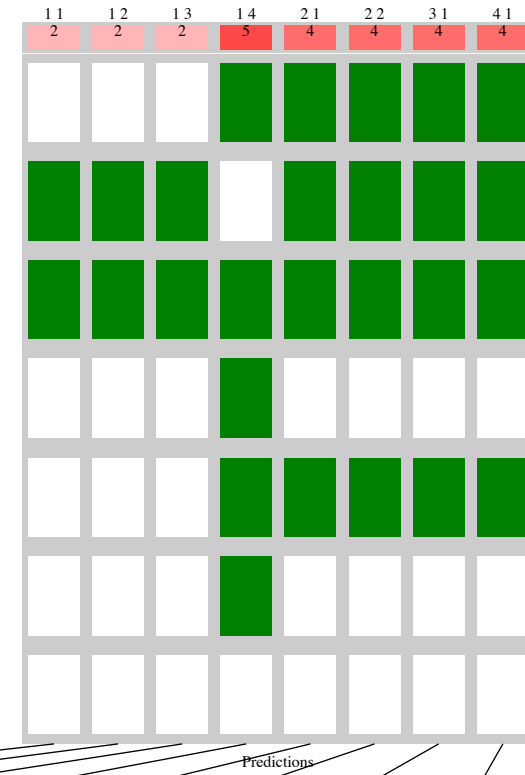
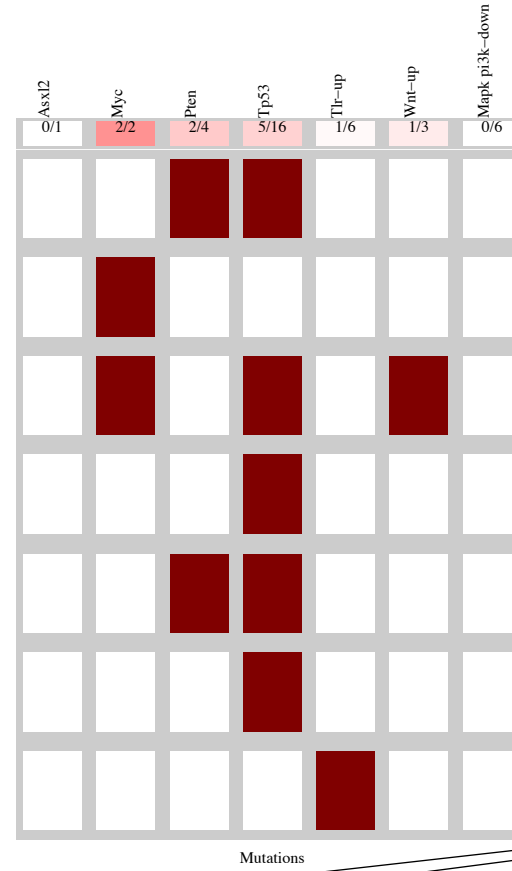
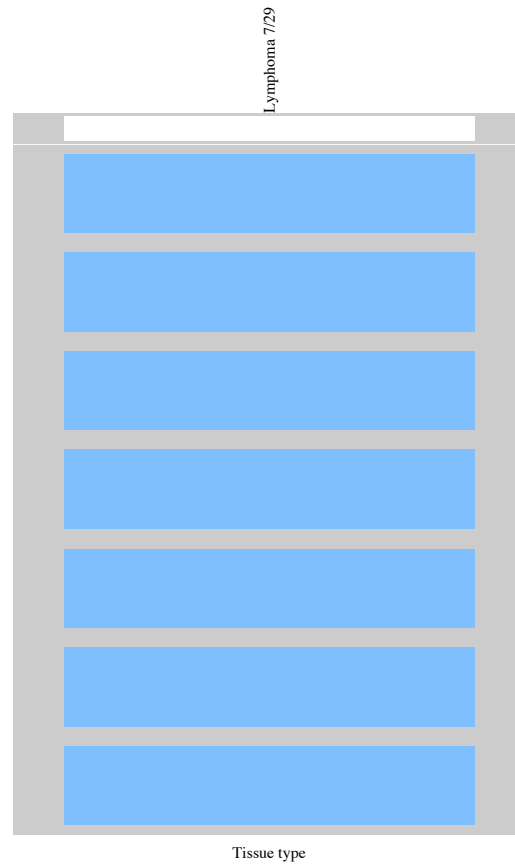
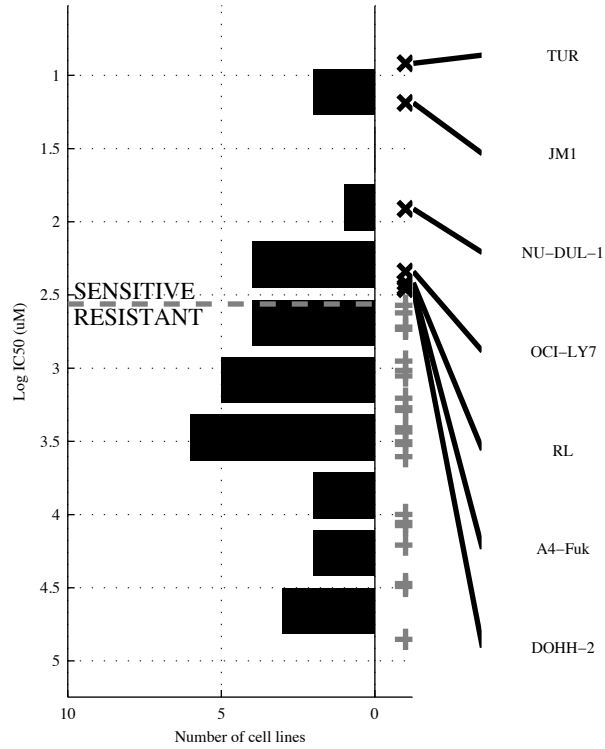
29 cell lines  
 13 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>RNF43</b>	<b>MLL2 &amp; -MYC</b>	<b>-CREBBP &amp; -TP53 &amp; -TLR-UP</b>	<b>-CREBBP &amp; -MYC &amp; -TP53 &amp; TLR-UP</b>	<b>RNF43   d16q23</b>	<b>[ -EP300 &amp; PTEN ]   [ MLL2 &amp; -MYC ]</b>	<b>RNF43   d16q23   d15q15</b>	<b>B2M   RNF43   d16q23   d15q15</b>
TP   FP	1   0	4   2	5   2	5   1	3   1	6   2	4   2	5   2
Specificity	1	0.88	0.88	0.94	0.94	0.88	0.88	0.88
FN   TN	12   16	9   14	8   14	8   15	10   15	7   14	9   14	8   14
Precision	1	0.67	0.71	0.83	0.75	0.75	0.67	0.71
Recall	0.077	0.31	0.38	0.38	0.23	0.46	0.31	0.38

DLBC  
 id: 1009 name: ATRA  
 target: Retinoic acid and retinoid X receptor agonist class: other

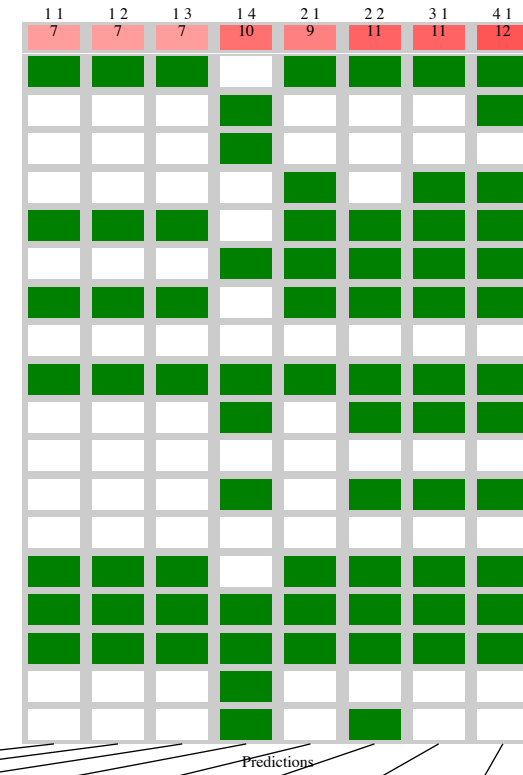
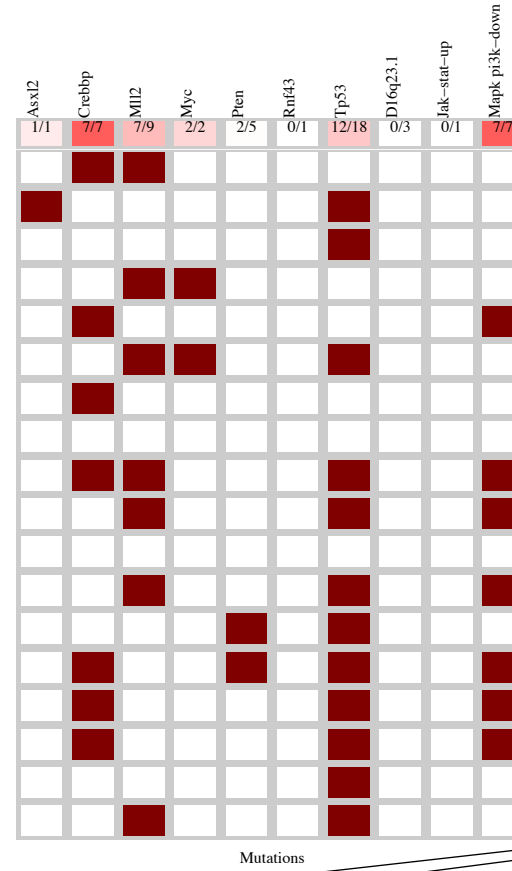
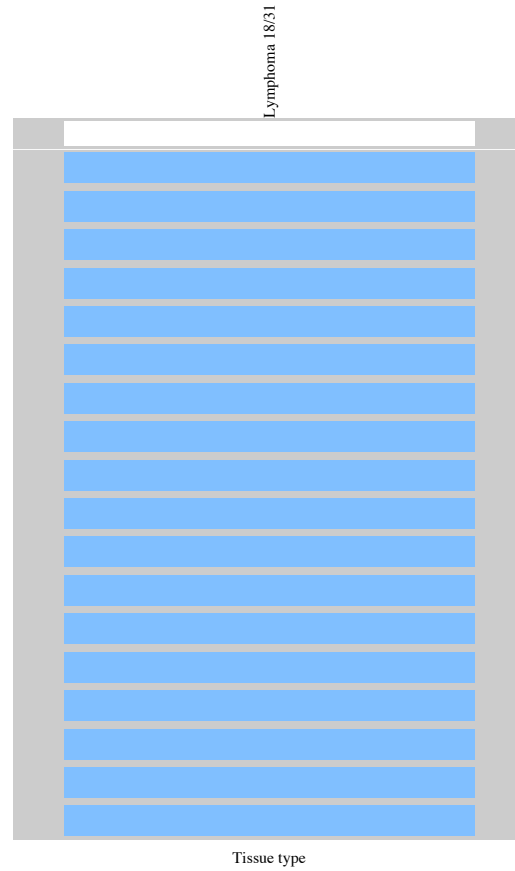
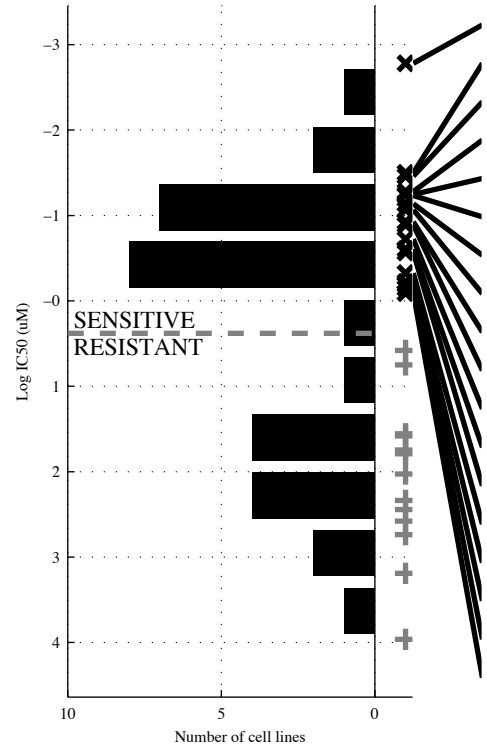
29 cell lines  
 7 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MYC</b>	<b>MYC &amp;</b>	<b>MYC &amp; &amp;</b>	<b>¬ASXL2 &amp; TP53 &amp; ¬TLR-UP &amp; MAPK P</b>	<b>MYC   PTEN</b>	<b>[ PTEN &amp; Wnt-UP ]   [ MYC &amp; ]</b>	<b>MYC   PTEN  </b>	<b>MYC   PTEN  </b>
TP   FP	2   0	2   0	2   0	5   4	4   2	4   1	4   2	4   2
Specificity	1	1	1	0.82	0.91	0.95	0.91	0.91
FN   TN	5   22	5   22	5   22	2   18	3   20	3   21	3   20	3   20
Precision	1	1	1	0.56	0.67	0.8	0.67	0.67
Recall	0.29	0.29	0.29	0.71	0.57	0.57	0.57	0.57

DLBC  
 id: 1011 name: ABT-263  
 target: BCL2, BCL2L1, BCL2L2 class: apoptosis regulation

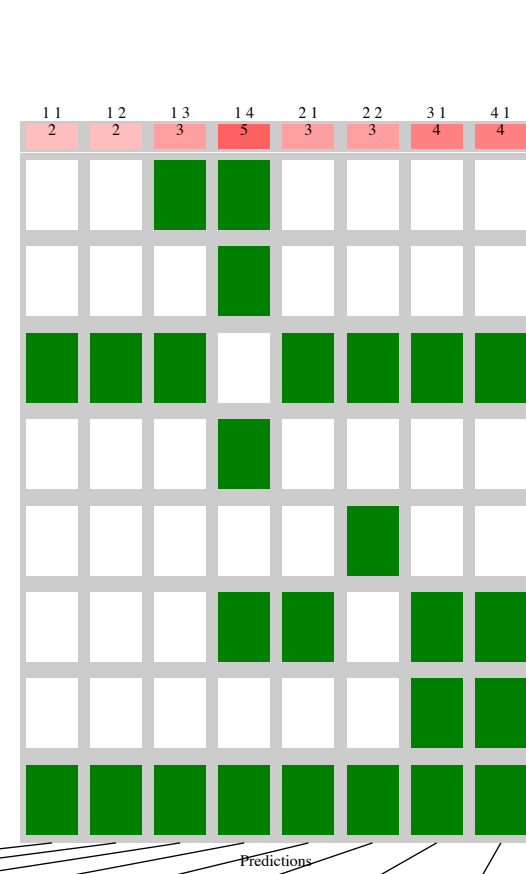
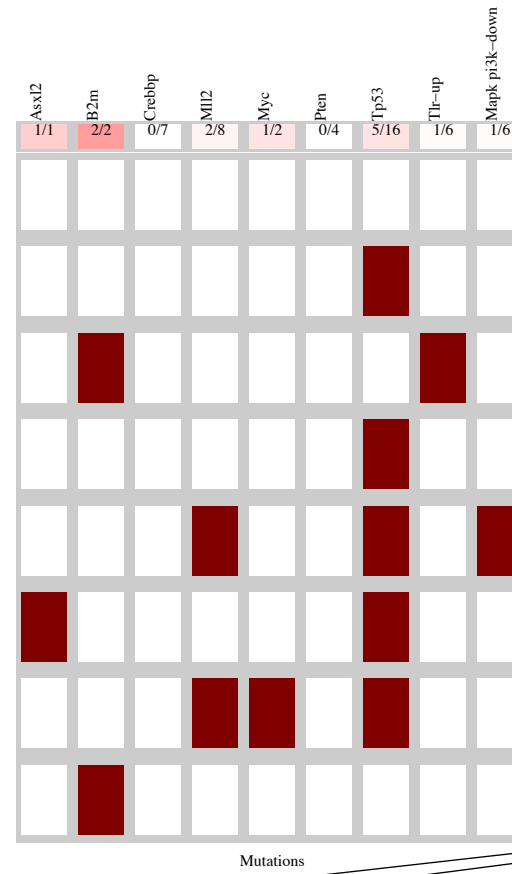
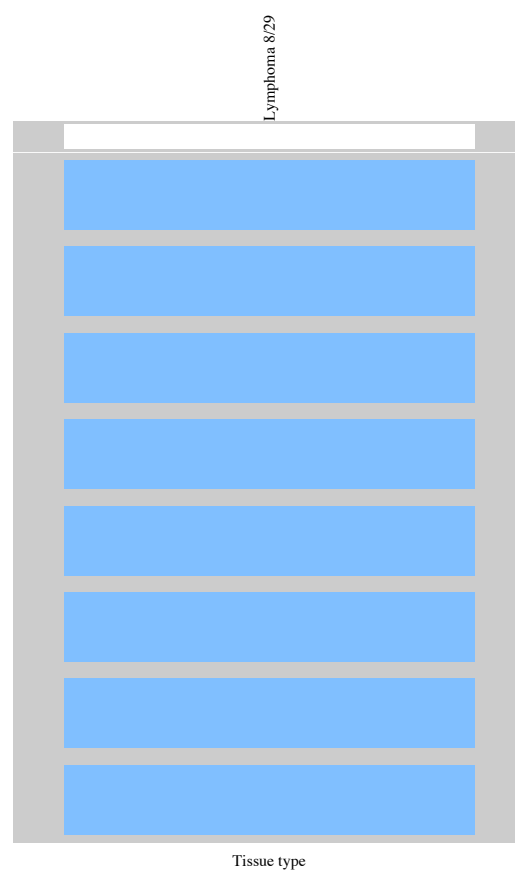
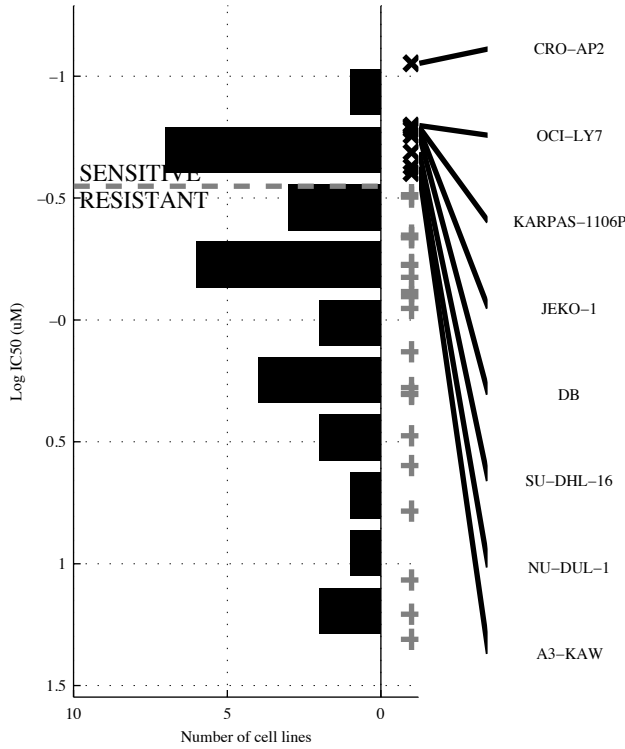
31 cell lines  
 18 sensitive



Model name	11	12	13	14	21	22	31	41
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>CREBBP</b>	<b>CREBBP &amp; RNF43</b>	<b>CREBBP &amp;</b>	<b>-PTEN &amp; TP53 &amp; -d16q23.1 &amp; JAK-STAT</b>	<b>CREBBP MYC</b>	<b>[ CREBBP ]</b>   <b>[ MLL2 &amp; TP53 ]</b>	<b>CREBBP MYC</b>    <b>MAPK P</b>	<b>ASXL2 CREBBP</b>  <b>MYC IMAPK P</b>
TP   FP	7   0	7   0	7   0	10   2	9   0	11   0	11   0	12   0
FN   TN	11   13	11   13	11   13	8   11	9   13	7   13	7   13	6   13
Specificity	1	1	1	0.85	1	1	1	1
Precision	1	1	1	0.83	1	1	1	1
Recall	0.39	0.39	0.39	0.56	0.5	0.61	0.61	0.67

DLBC  
 id: 1012 name: Vorinostat  
 target: HDAC inhibitor Class I, IIa, IIb, IV class: chromain histone acetylation

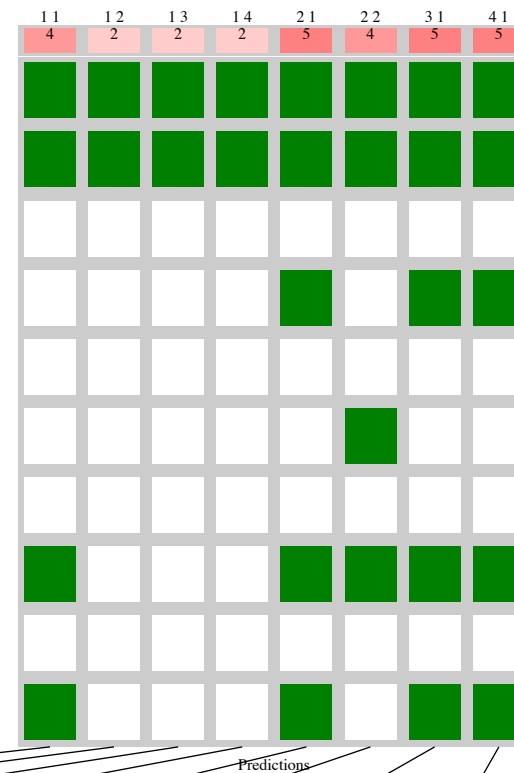
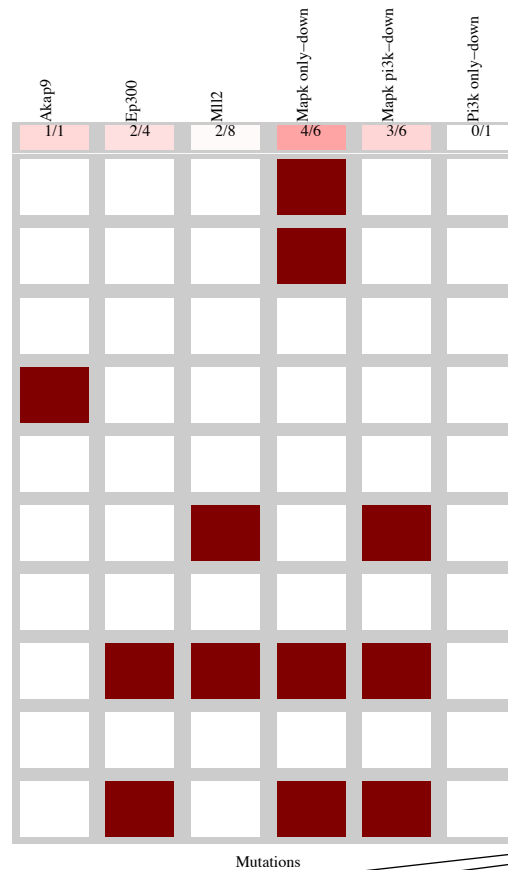
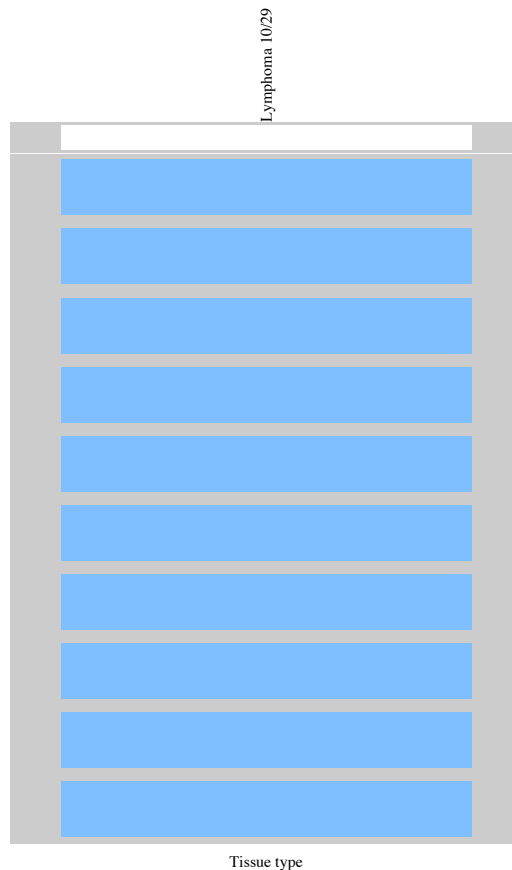
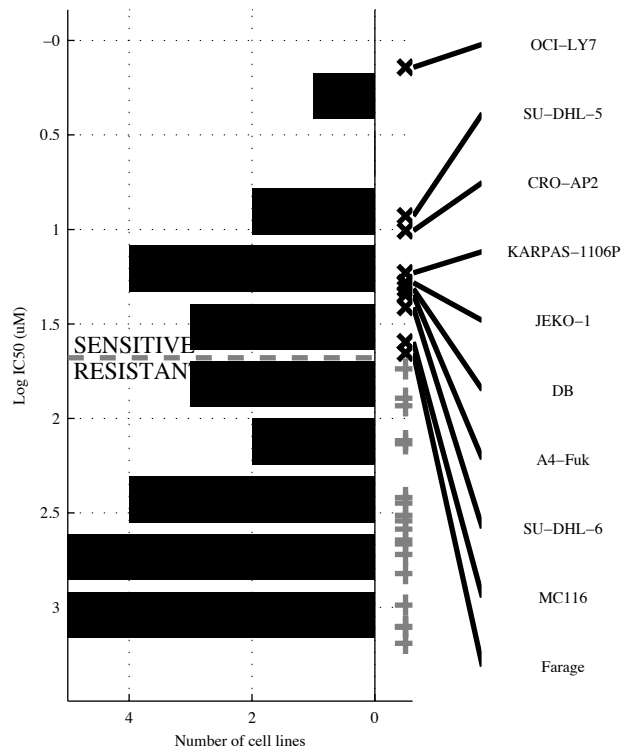
29 cell lines  
 8 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>B2M</b>	<b>B2M &amp; -TP53</b>	<b>-CREBBP &amp; -MLL2 &amp; -TP53</b>	<b>-CREBBP &amp; -MLL2 &amp; -PTEN &amp; TLR-UP</b>	<b>ASXL2   B2M</b>	<b>[ -CREBBP &amp; MAPK P ]   [ B2M &amp; -MLL2 ]</b>	<b>ASXL2   B2M   MYC</b>	<b>ASXL2   B2M   MYC  </b>
TP   FP	2   0	2   0	3   4	5   4	3   0	3   0	4   1	4   1
FN   TN	6   21	6   21	5   17	3   17	5   21	5   21	4   20	4   20
Specificity	1	1	0.81	0.81	1	1	0.95	0.95
Precision	1	1	0.43	0.56	1	1	0.8	0.8
Recall	0.25	0.25	0.38	0.63	0.38	0.38	0.5	0.5

DLBC  
 id: 1013 name: Nilotinib  
 target: ABL class: ABL signaling

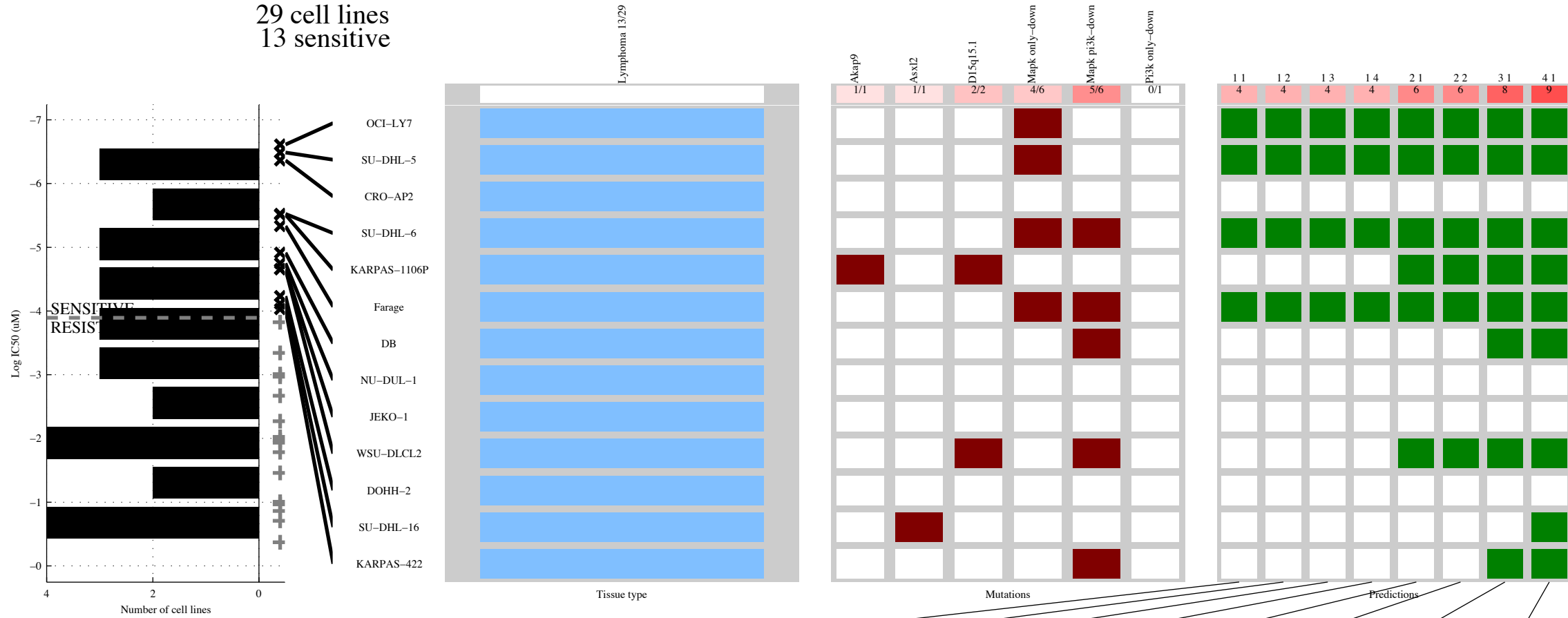
29 cell lines  
 10 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MAPK o</b>	<b>¬EP300&amp;MAPK o</b>	<b>¬EP300&amp;MAPK o&amp;</b> <b>¬PI3K o</b>	<b>¬EP300&amp;MAPK o&amp;</b> <b>¬PI3K o&amp;</b>	<b>AKAP9  MAPK o</b>	<b>[ MLL2 &amp;MAPK P ]</b> <b> </b> <b>[ ¬EP300&amp;MAPK o ]</b>	<b>AKAP9  MAPK o </b>	<b>AKAP9  MAPK o </b> <b> </b>
TP   FP Specificity	4   2 0.89	2   1 0.95	2   0 1	2   0 1	5   2 0.89	4   1 0.95	5   2 0.89	5   2 0.89
FN   TN Precision	6   17 0.67	8   18 0.67	8   19 1	8   19 1	5   17 0.71	6   18 0.8	5   17 0.71	5   17 0.71
Recall	0.4	0.2	0.2	0.2	0.5	0.4	0.5	0.5

DLBC  
 id: 1016 name: Temsirolimus  
 target: MTOR class: TOR signaling

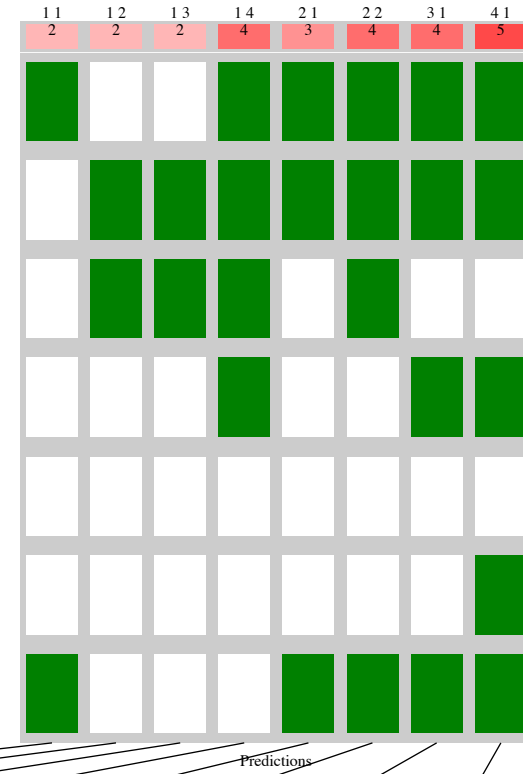
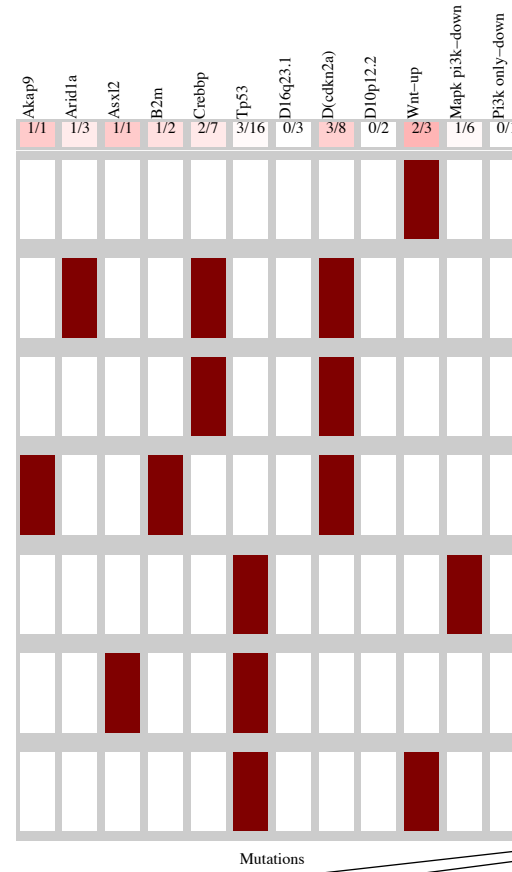
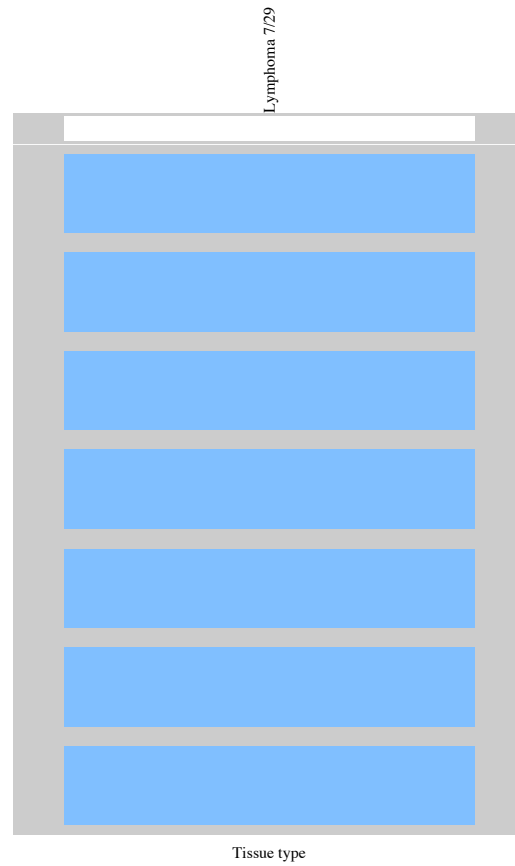
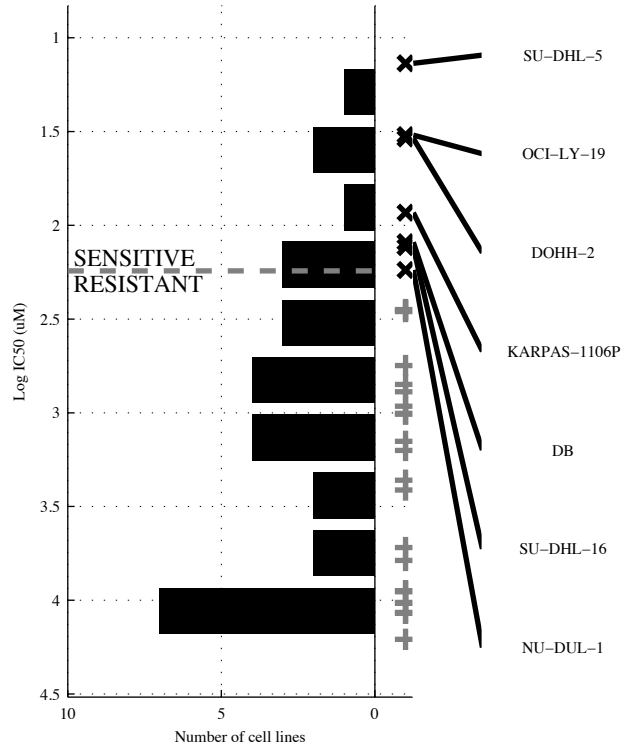
29 cell lines  
 13 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>MAPK o</b>	<b>MAPK o &amp; ¬PI3K o</b>	<b>MAPK o &amp; ¬PI3K o &amp;</b>	<b>MAPK o &amp; ¬PI3K o &amp;</b>	<b>d15q15   MAPK o</b>	<b>[ d15q15 &amp; ]   [MAPK o &amp; ¬PI3K o]</b>	<b>AKAP9   MAPK o   MAPK P</b>	<b>AKAP9   ASXL2   MAPK o   MAPK P</b>
TP   FP Specificity	4   2 0.88	4   1 0.94	4   1 0.94	4   1 0.94	6   2 0.88	6   1 0.94	8   2 0.88	9   2 0.88
FN   TN Precision	9   14 0.67	9   15 0.8	9   15 0.8	9   15 0.8	7   14 0.75	7   15 0.86	5   14 0.8	4   14 0.82
Recall	0.31	0.31	0.31	0.31	0.46	0.46	0.62	0.69

DLBC  
 id: 1017 name: Olaparib  
 target: PARP1, PARP2 class: Genome integrity

29 cell lines  
 7 sensitive

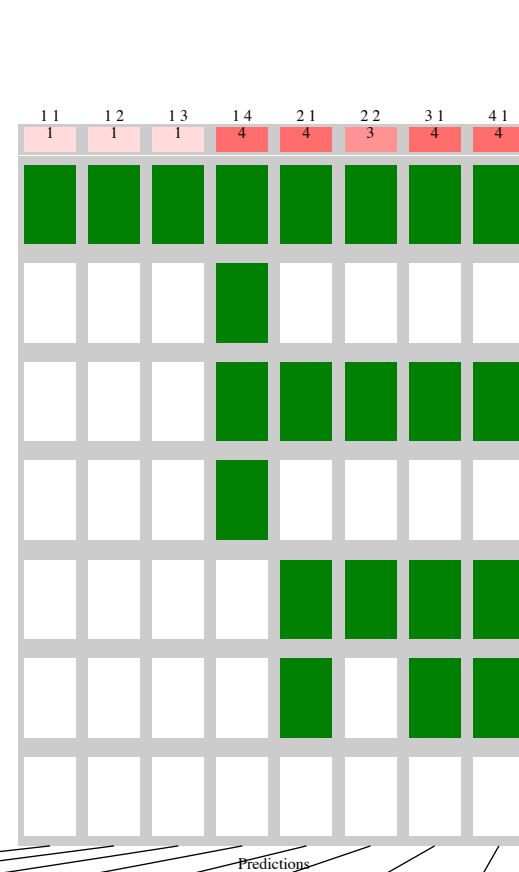
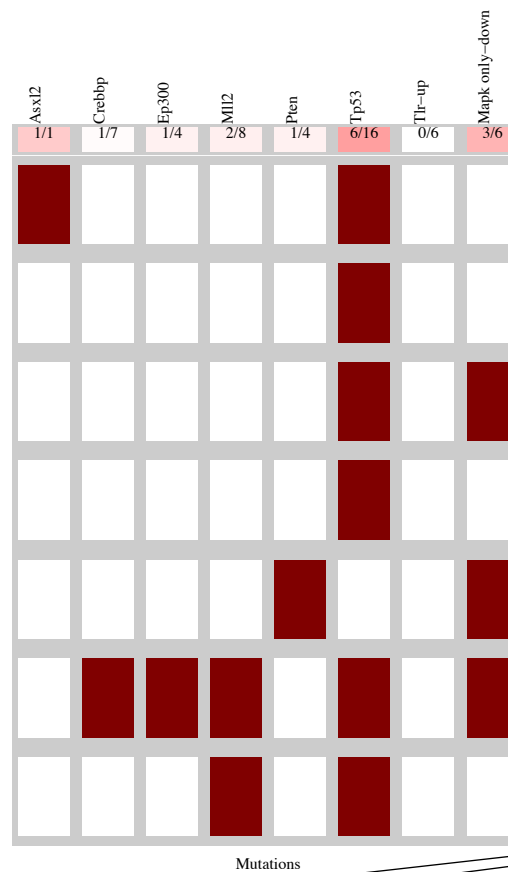
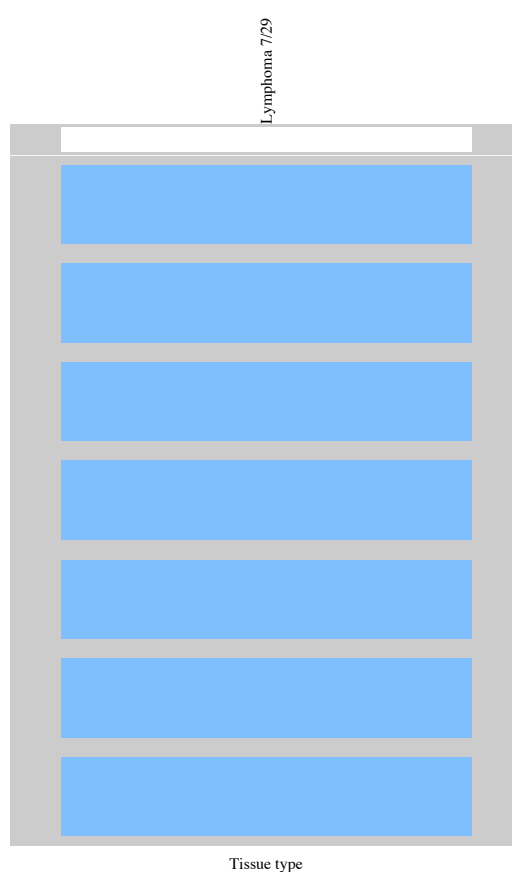
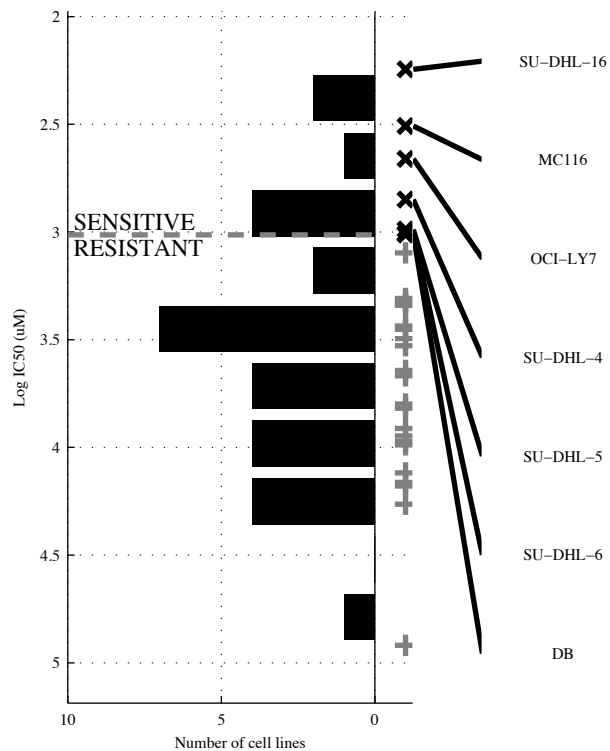


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>Wnt-UP</b>	<b>CREBBI &amp; MAPK P</b>	<b>CREBBI &amp; MAPK &amp;</b>	<b>-TP53 &amp; -d16q23&amp;</b> <b>-d10p12&amp; -PI3K o</b>	<b>ARID1A   Wnt-UP</b>	<b>[ -d(CDKK &amp; Wnt-UP) ]</b> <b> </b> <b>[ CREBBI &amp; MAPK P ]</b>	<b>AKAP9   ARID1A  </b> <b>Wnt-UP</b>	<b>ARID1A   ASXL2  </b> <b>B2M   Wnt-UP</b>
TP   FP	2   1	2   0	2   0	4   4	3   3	4   0	4   3	5   3
Specificity	0.95	1	1	0.82	0.86	1	0.86	0.86
FN   TN	5   21	5   22	5   22	3   18	4   19	3   22	3   19	2   19
Precision	0.67	1	1	0.5	0.5	1	0.57	0.63
Recall	0.29	0.29	0.29	0.57	0.43	0.57	0.57	0.71



DLBC  
 id: 1018 name: ABT-888  
 target: PARP1, PARP2 class: Genome integrity

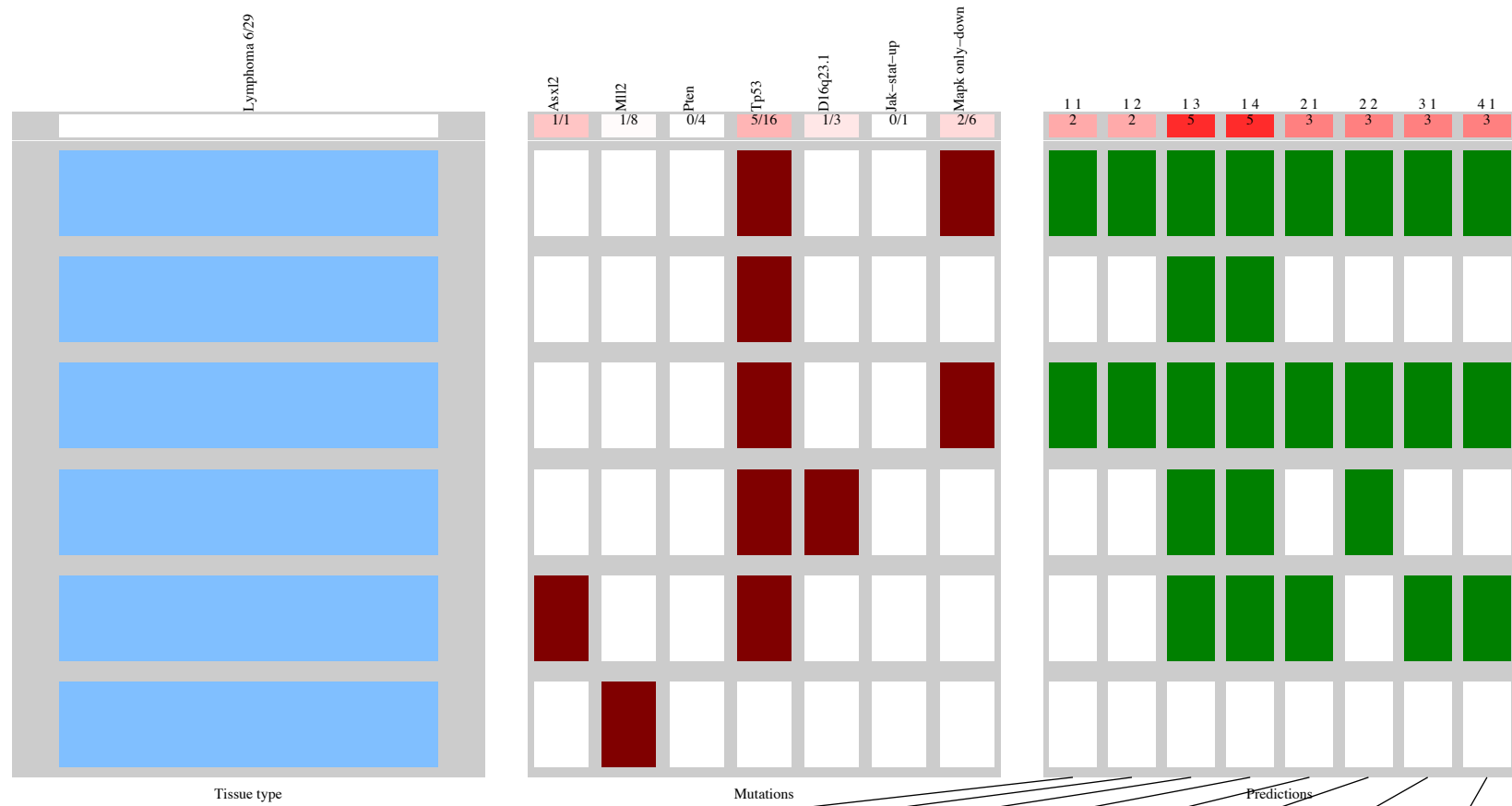
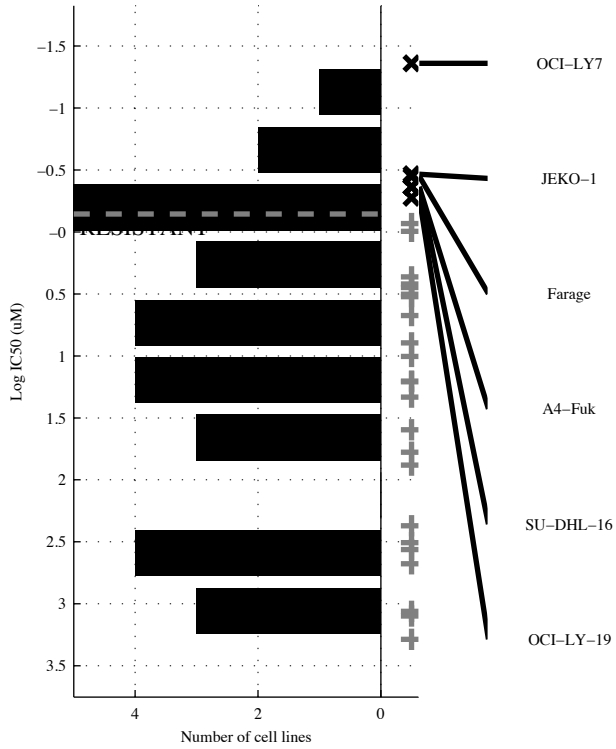
29 cell lines  
 7 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>ASXL2</b>	<b>ASXL2 &amp;</b>	<b>ASXL2 &amp; &amp;</b>	<b>~MLL2 &amp; ~PTEN &amp; TP53 &amp; TLR-UP</b>	<b>ASXL2   MAPK o</b>	<b>[ ~CREBBP &amp; MAPK o ]   [ ASXL2 &amp; ~EP300 ]</b>	<b>ASXL2   MAPK ol</b>	<b>ASXL2   MAPK ol</b>
TP   FP Specificity	1   0 1	1   0 1	1   0 1	4   3 0.86	4   3 0.86	3   1 0.95	4   3 0.86	4   3 0.86
FN   TN Precision	6   22 0.14	6   22 0.14	6   22 0.14	3   19 0.57	3   19 0.57	4   21 0.75	3   19 0.57	3   19 0.57
Recall				0.57	0.57	0.43	0.57	0.57

DLBC  
 id: 1019 name: Bosutinib  
 target: SRC, ABL, TEC class: ABL signaling

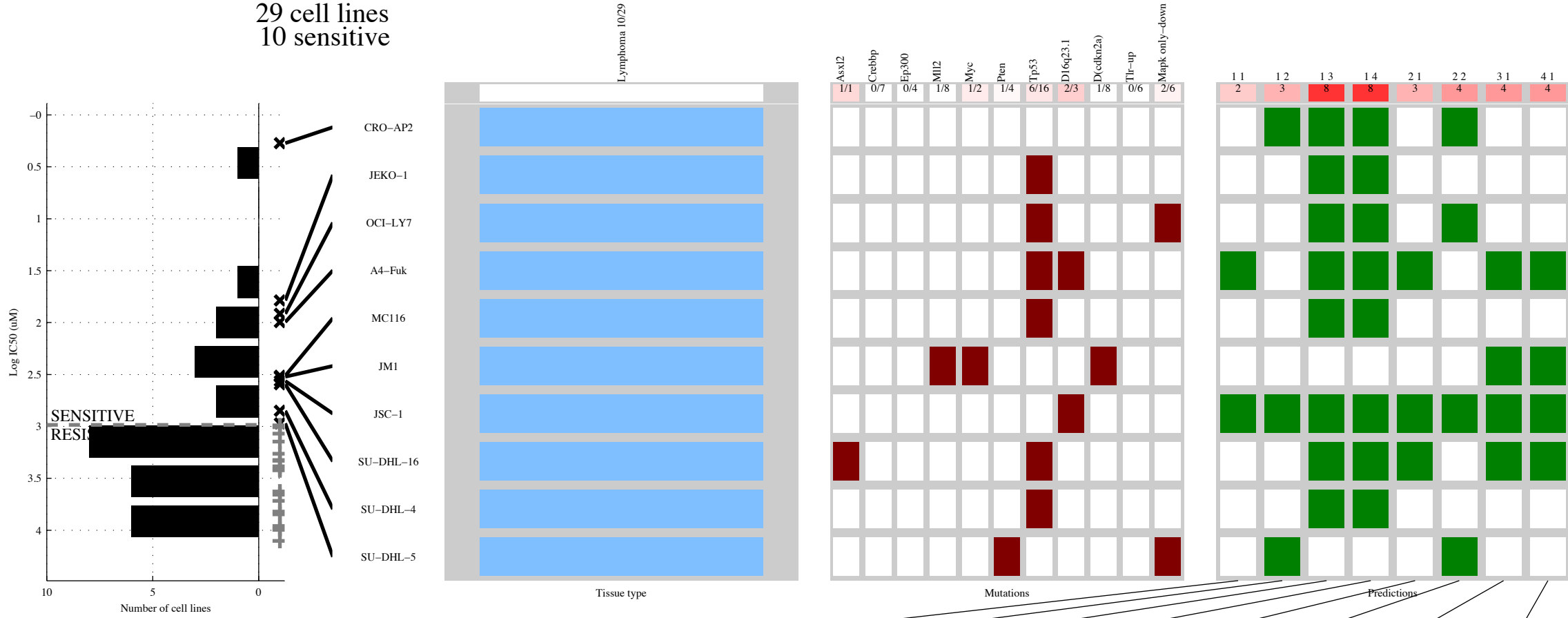
29 cell lines  
 6 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	M															
Logic formula	<b>MAPK o</b>		<b>-PTEN&amp;MAPK o</b>		<b>-MLL2&amp;-PTEN&amp;TP53</b>		<b>-MLL2&amp;-PTEN&amp;TP53 &amp;JAK-ST</b>		<b>ASXL2  MAPK o</b>		<b>[ -PTEN&amp;MAPK o ]   [ TP53 &amp;d16q23 ]</b>		<b>ASXL2  MAPK o  </b>		<b>ASXL2  MAPK o  </b>	
TP   FP Specificity	2   4	0.83	2   2	0.91	5   4	0.83	5   3	0.87	3   4	0.83	3   2	0.91	3   4	0.83	3   4	0.83
FN   TN Precision	4   19	0.33	4   21	0.5	1   19	0.56	1   20	0.63	3   19	0.43	3   21	0.6	3   19	0.43	3   19	0.43
Recall	0.33		0.33		0.83		0.83		0.5		0.5		0.5		0.5	

DLBC  
 id: 1020 name: Lenalidomide  
 target: TNFA class: other

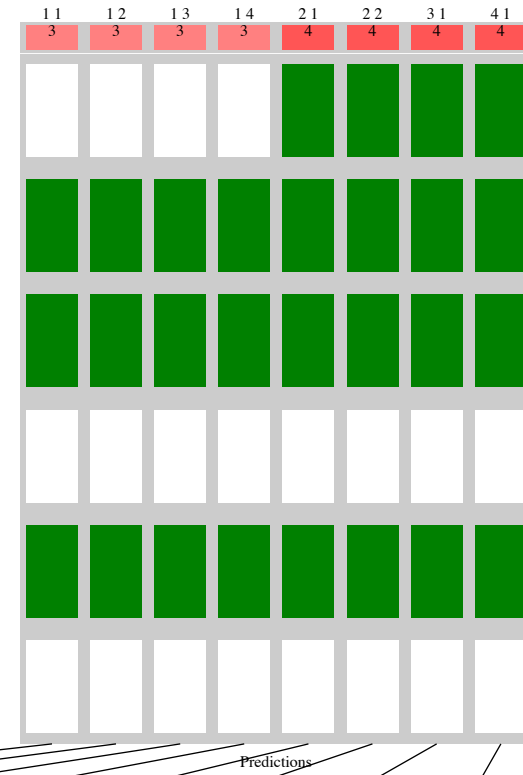
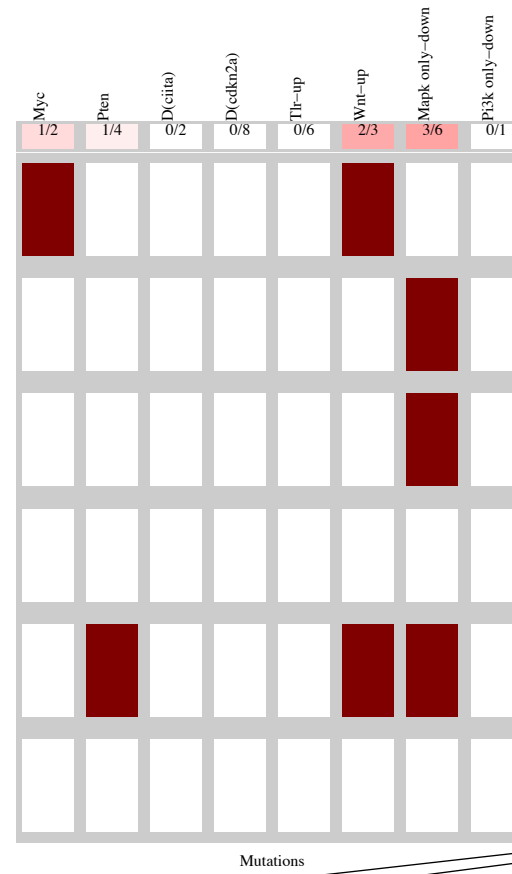
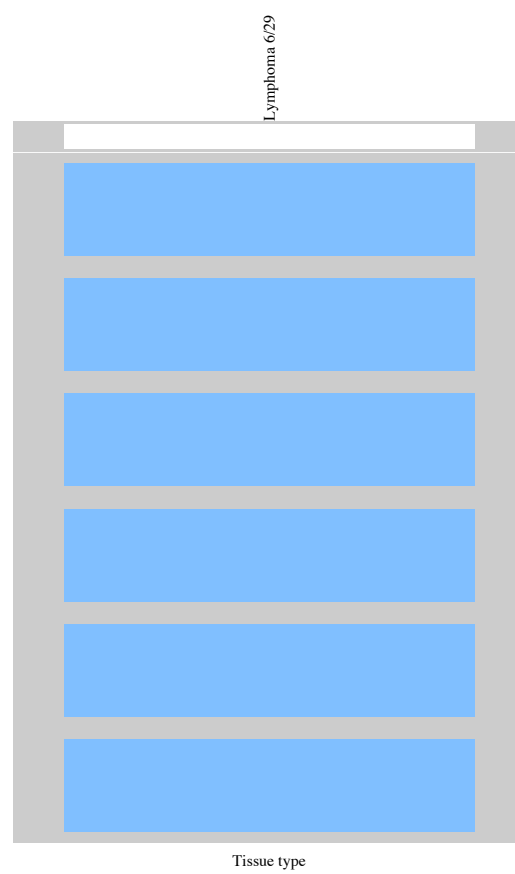
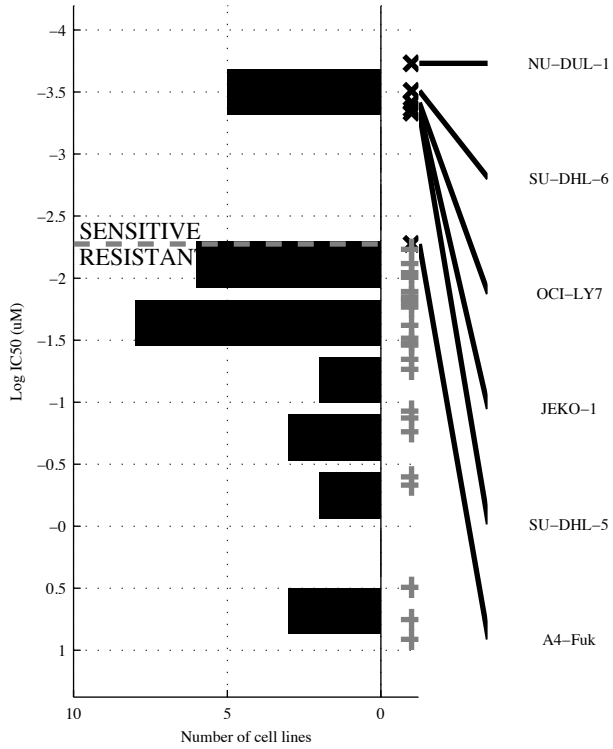
29 cell lines  
 10 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d16q23</b>	<b>-TP53 &amp; d(CDKN</b>	<b>-MLL2 &amp; -PTEN &amp;</b>	<b>-CREBB &amp; -MLL2 &amp;</b>	<b>ASXL2   d16q23</b>	<b>[ -EP300 &amp; MAPK o ]</b>	<b>ASXL2   MYC  </b>	<b>ASXL2   MYC  </b>
			<b>-TLR-UP</b>	<b>-PTEN &amp; TLR-UP</b>		<b>[ -TP53 &amp; d(CDKN</b>	<b>d16q23</b>	<b>d16q23  </b>
TP   FP Specificity	2   1 0.95	3   3 0.84	8   3 0.84	8   1 0.95	3   1 0.95	4   3 0.84	4   2 0.89	4   2 0.89
FN   TN Precision	8   18 0.67	7   16 0.5	2   16 0.73	2   18 0.89	7   18 0.75	6   16 0.57	6   17 0.67	6   17 0.67
Recall	0.2	0.3	0.8	0.8	0.3	0.4	0.4	0.4

DLBC  
 id: 1022 name: AZD7762  
 target: CHEK1, CHEK2 class: Genome integrity

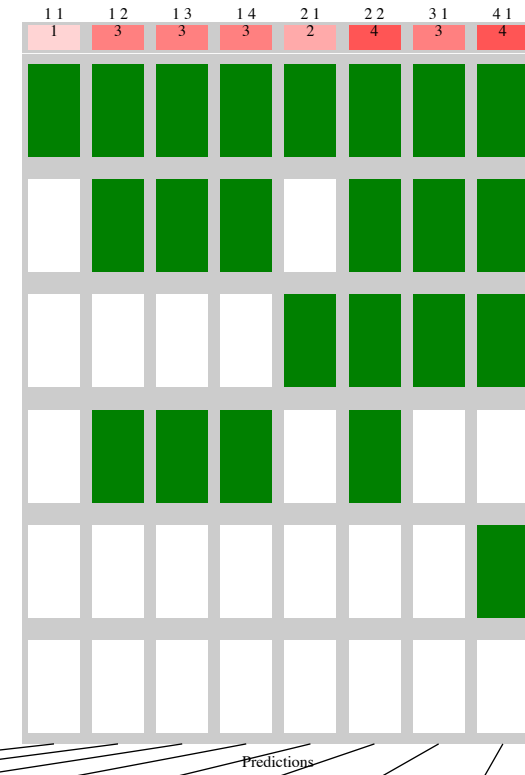
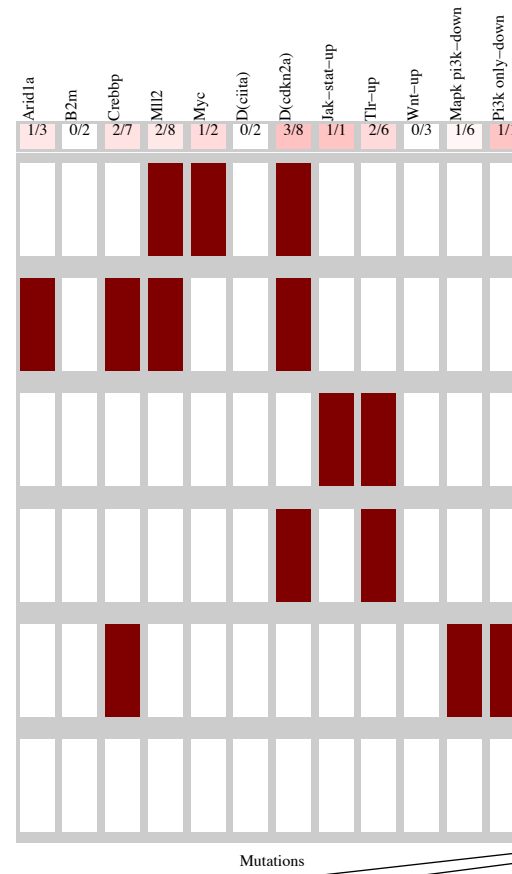
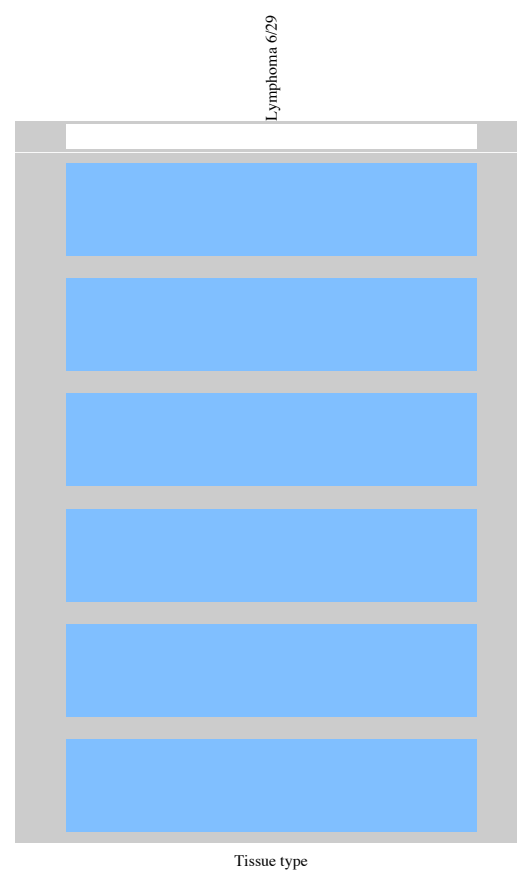
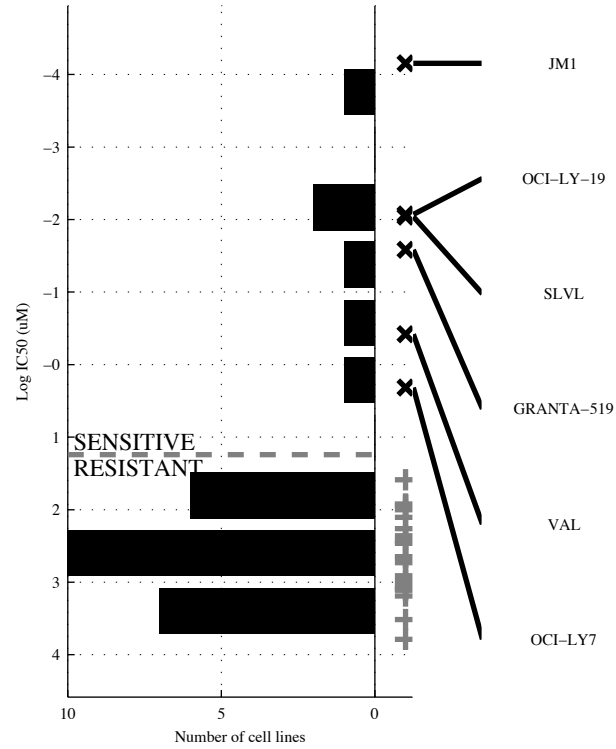
29 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MAPK o</b>	<b>¬TLR-UP &amp; MAPK o</b>	<b>¬d(CDKN2A) &amp; MAPK o &amp; ¬PI3K o</b>	<b>¬d(CIT1) &amp; MAPK o &amp; ¬PI3K o &amp;</b>	<b>MYC   MAPK o</b>	<b>[ ¬PTEN &amp; MAPK o ]   [¬d(CDKN2A) &amp; Wnt-UP]</b>	<b>MYC   MAPK o  </b>	<b>MYC   MAPK o  </b>
TP   FP	3   3	3   2	3   1	3   1	4   4	4   2	4   4	4   4
Specificity	0.87	0.91	0.96	0.96	0.83	0.91	0.83	0.83
FN   TN	3   20	3   21	3   22	3   22	2   19	2   21	2   19	2   19
Precision	0.5	0.6	0.75	0.75	0.5	0.67	0.5	0.5
Recall	0.5	0.5	0.5	0.5	0.67	0.67	0.67	0.67

DLBC  
 id: 1023 name: GW 441756  
 target: NTRK1 class: RTK signaling

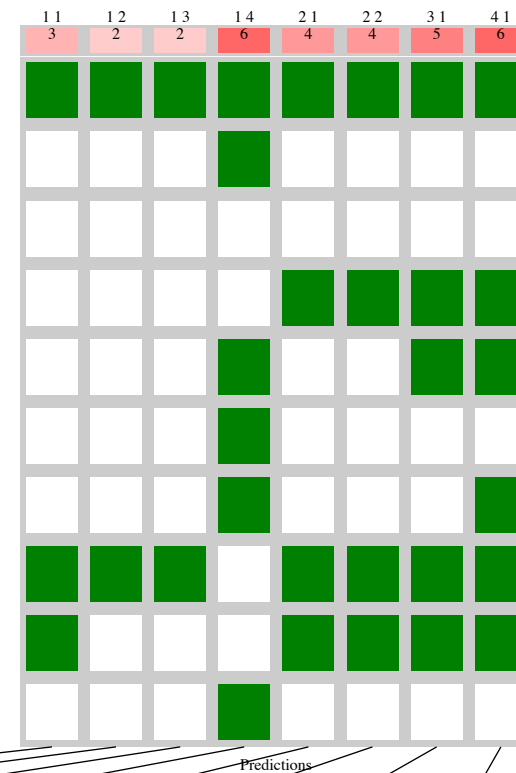
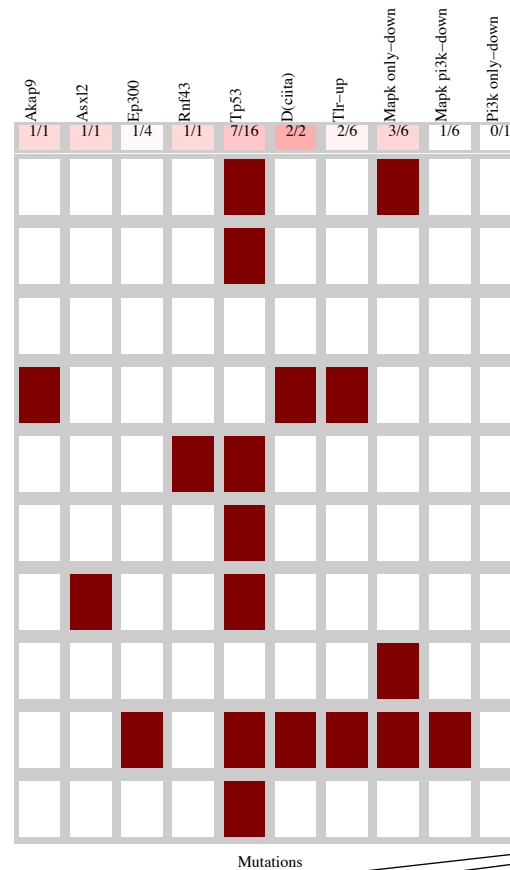
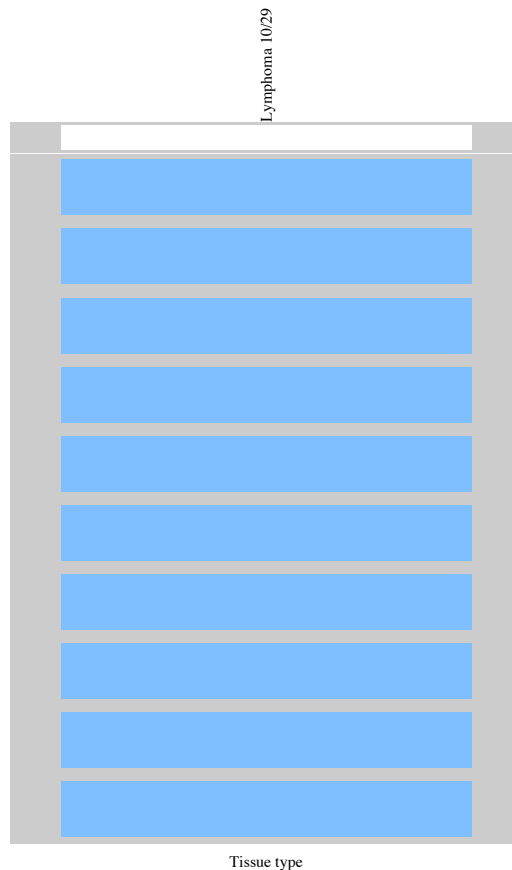
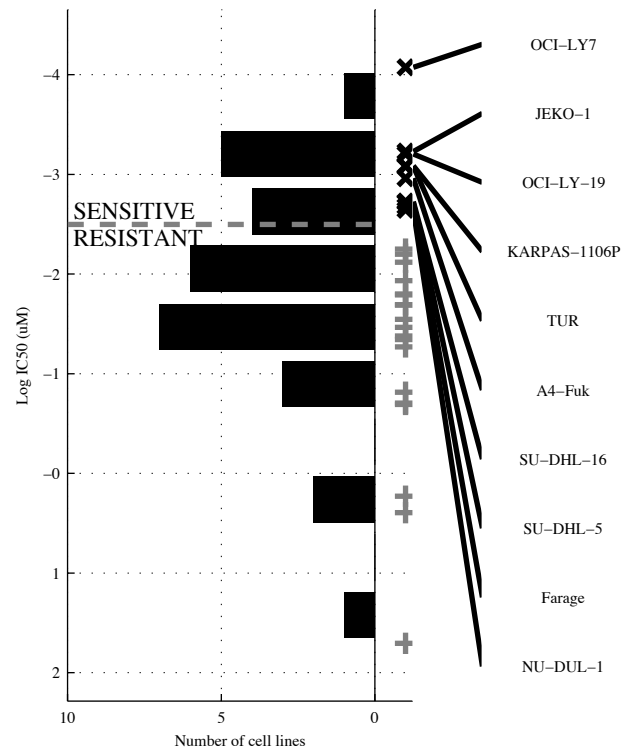
29 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MYC</b>	<b>¬d(CIT&amp;(CDKN</b>	<b>¬B2M &amp;(CDKN&amp;</b> <b>¬MAPK P</b>	<b>¬d(CIT&amp;(CDKN&amp;</b> <b>¬Wnt-UR</b>	<b>MYC   JAK-ST</b>	<b>¬CREBB&amp;TLR-UP]</b> <b> </b> <b>[ MLL2 &amp;(CDKN]</b>	<b>ARID1A  MYC  </b> <b>JAK-ST</b>	<b>ARID1A  MYC  </b> <b>JAK-ST  PI3K o</b>
TP   FP	1   1	3   3	3   2	3   2	2   1	4   3	3   3	4   3
Specificity	0.96	0.87	0.91	0.91	0.96	0.87	0.87	0.87
FN   TN	5   22	3   20	3   21	3   21	4   22	2   20	3   20	2   20
Precision	0.5	0.5	0.6	0.6	0.67	0.57	0.5	0.57
Recall	0.17	0.5	0.5	0.5	0.33	0.67	0.5	0.67

DLBC  
 id: 1024 name: CEP-701  
 target: FLT3, JAK2, NTRK1, RET class: RTK signaling

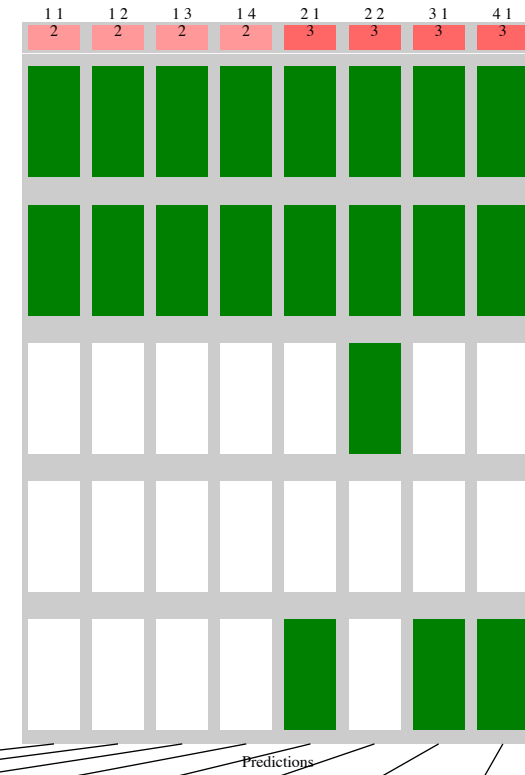
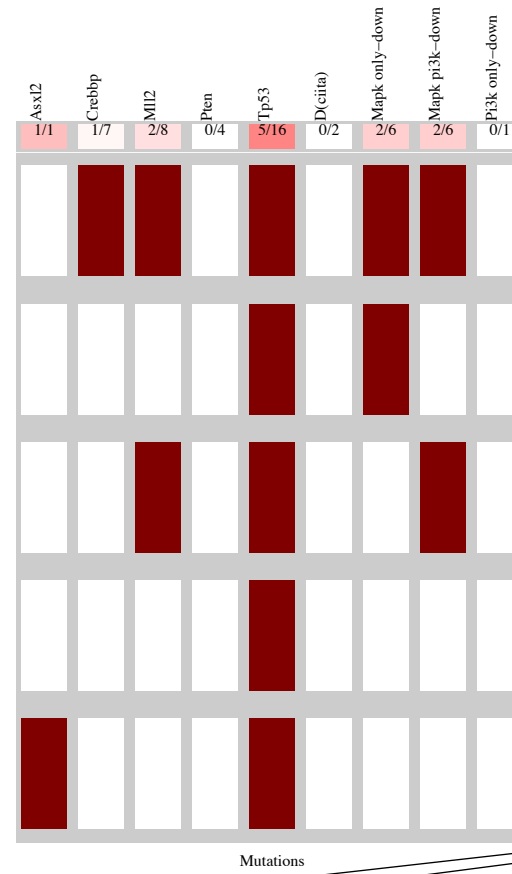
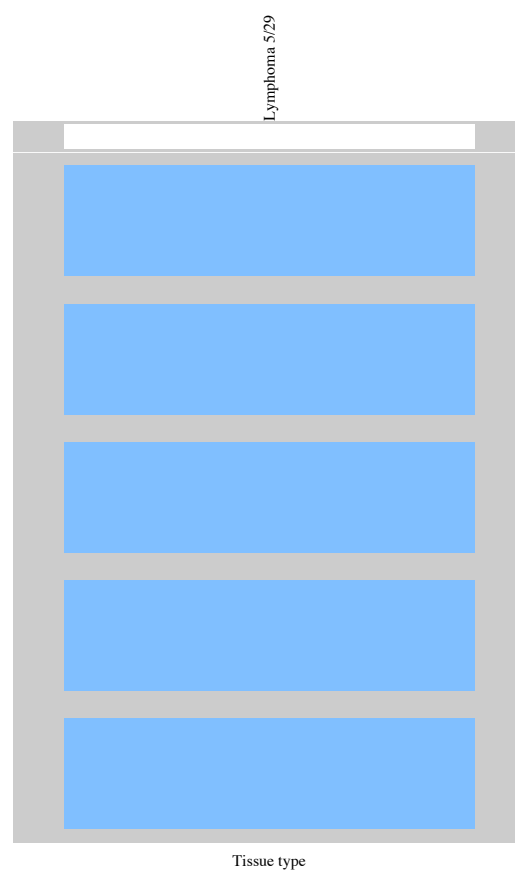
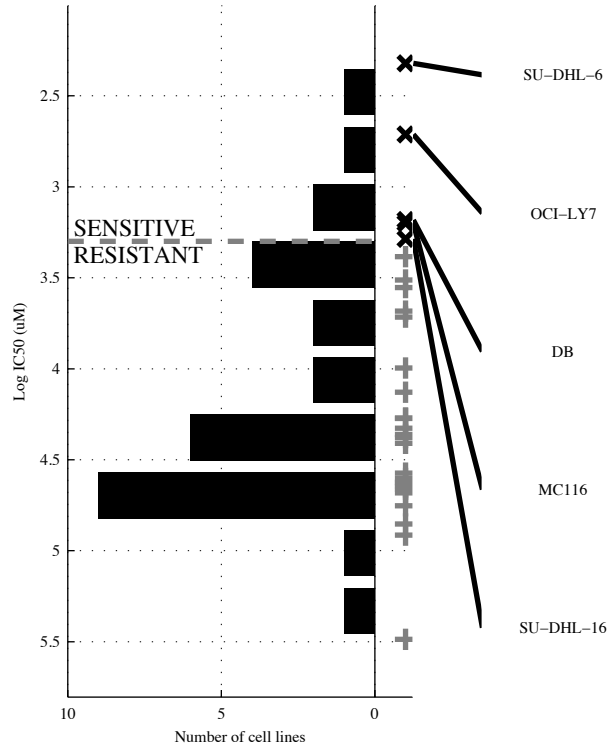
29 cell lines  
 10 sensitive



Model name	11	12	13	14	21	22	31	41
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MAPK o</b>	<b>-EP300 &amp; MAPK o</b>	<b>-EP300 &amp; MAPK &amp;</b> <b>-PI3K o</b>	<b>-EP300 &amp; TP53 &amp;</b> <b>-TLR-U &amp; MAPK P</b>	<b>AKAP9   MAPK o</b>	[ d(CIT & ) ]   [ -EP300 & MAPK o ]	<b>AKAP9   RNF43  </b> <b>MAPK o</b>	<b>AKAP9   ASXL2  </b> <b>RNF43   MAPK o</b>
TP   FP Specificity	3   3 0.84	2   1 0.95	2   0 1	6   3 0.84	4   3 0.84	4   1 0.95	5   3 0.84	6   3 0.84
FN   TN Precision	7   16 0.5	8   18 0.67	8   19 1	4   16 0.67	6   16 0.57	6   18 0.8	5   16 0.63	4   16 0.67
Recall	0.3	0.2	0.2	0.6	0.4	0.4	0.5	0.6

DLBC  
 id: 1025 name: SB 216763  
 target: GSK3A, GSK3B class: WNT signaling

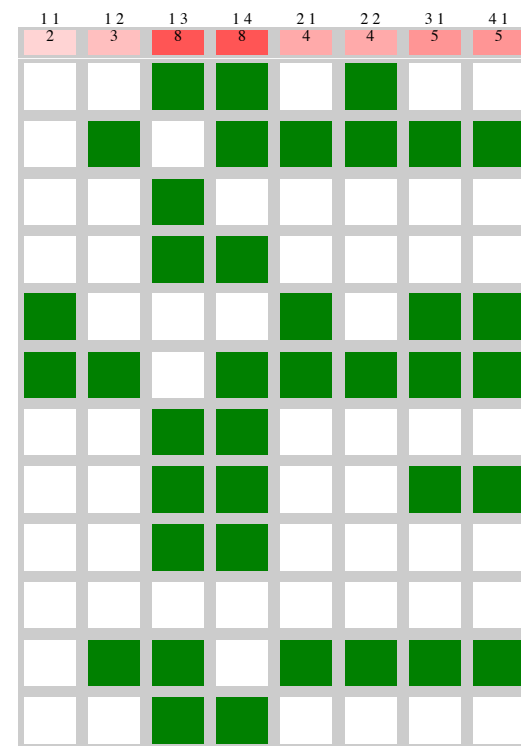
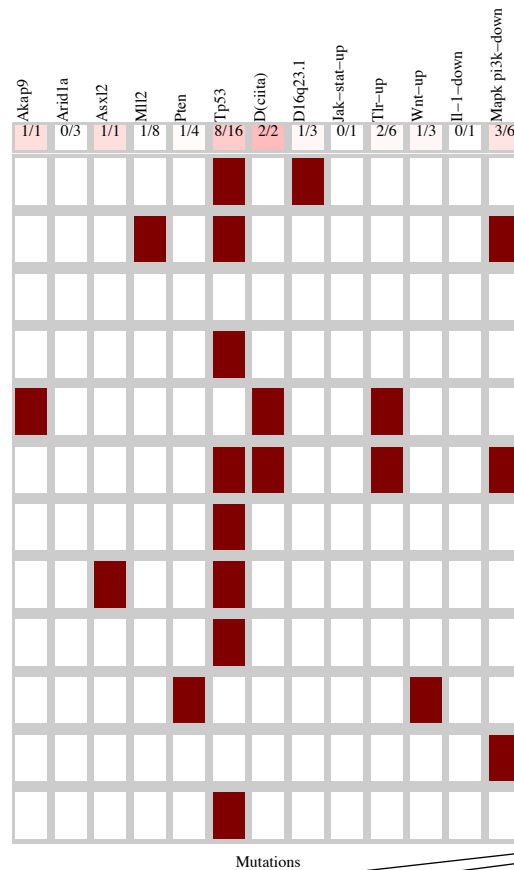
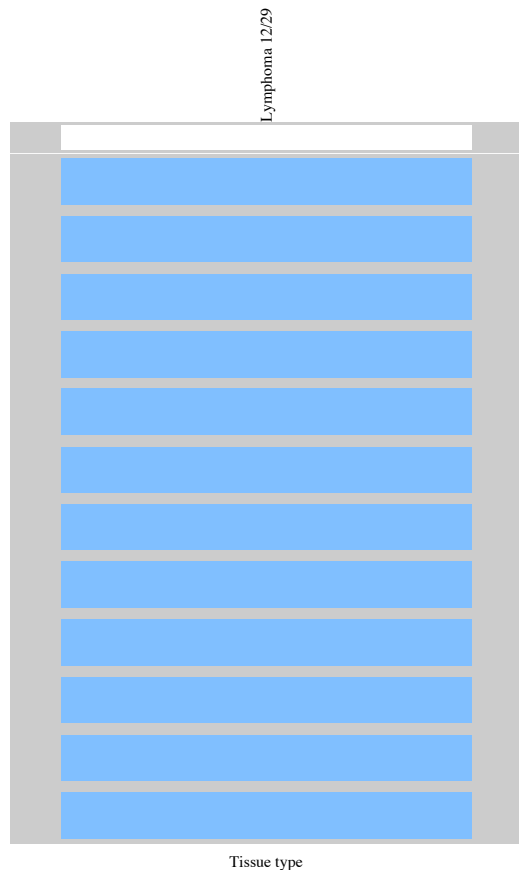
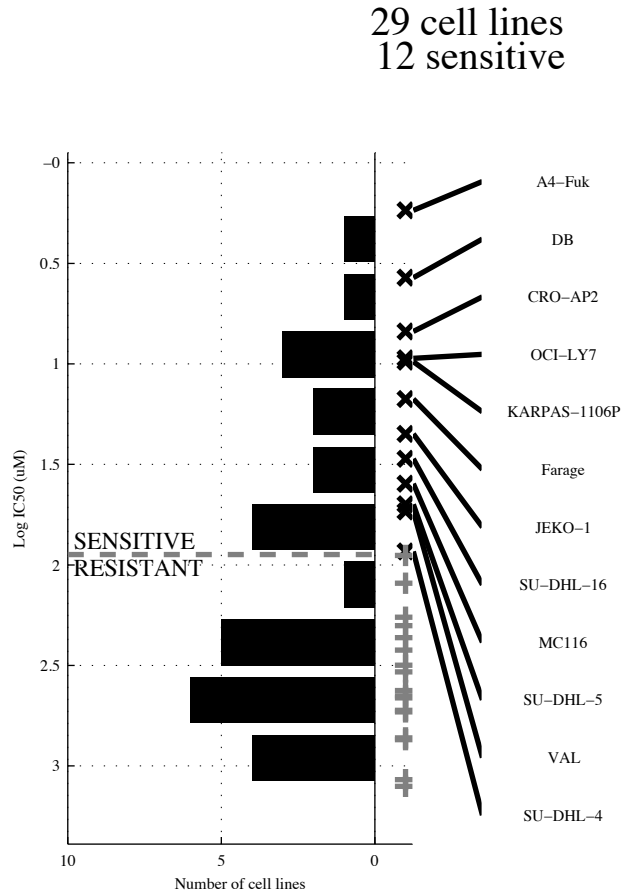
29 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>MAPK o</b>	<b>TP53 &amp; MAPK o</b>	<b>¬PTEN &amp; TP53 &amp; MAPK o</b>	<b>¬PTEN &amp; ¬(CIIT &amp; MAPK &amp; ¬PI3K o</b>	<b>ASXL2   MAPK o</b>	<b>[ MLL2 &amp; MAPK P ]   [ CREBB &amp; MAPK o ]</b>	<b>ASXL2   MAPK o  </b>	<b>ASXL2   MAPK o  </b>
TP   FP Specificity	2   4 0.83	2   2 0.92	2   1 0.96	2   0 1	3   4 0.83	3   2 0.92	3   4 0.83	3   4 0.83
FN   TN Precision	3   20 0.33	3   22 0.5	3   23 0.67	3   24 1	2   20 0.43	2   22 0.6	2   20 0.43	2   20 0.43
Recall	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6

DLBC  
 id: 1028 name: VX-702  
 target: p38 class: JNK and p38 signaling

29 cell lines  
 12 sensitive

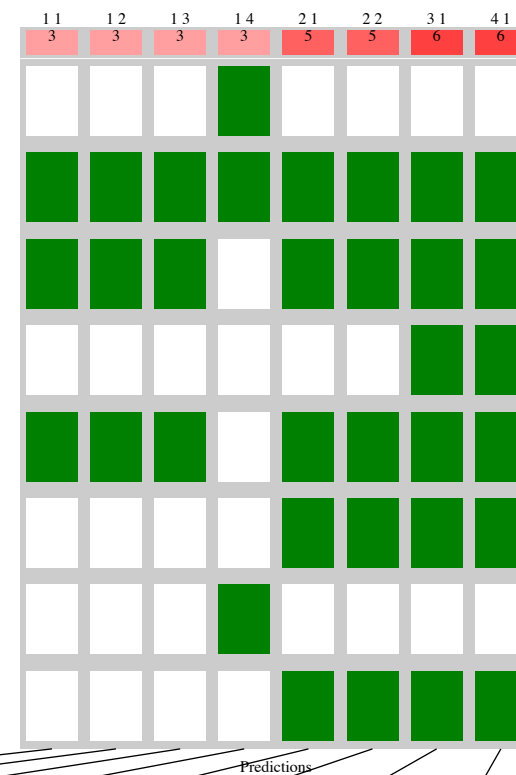
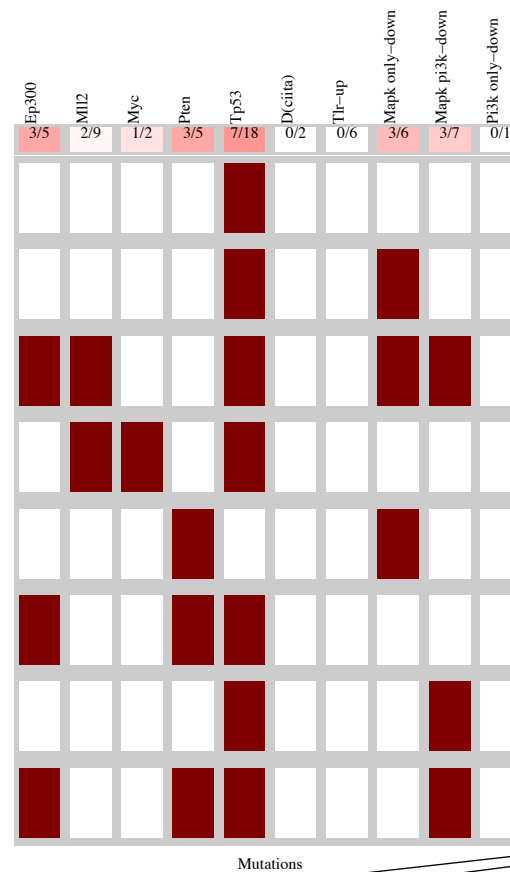
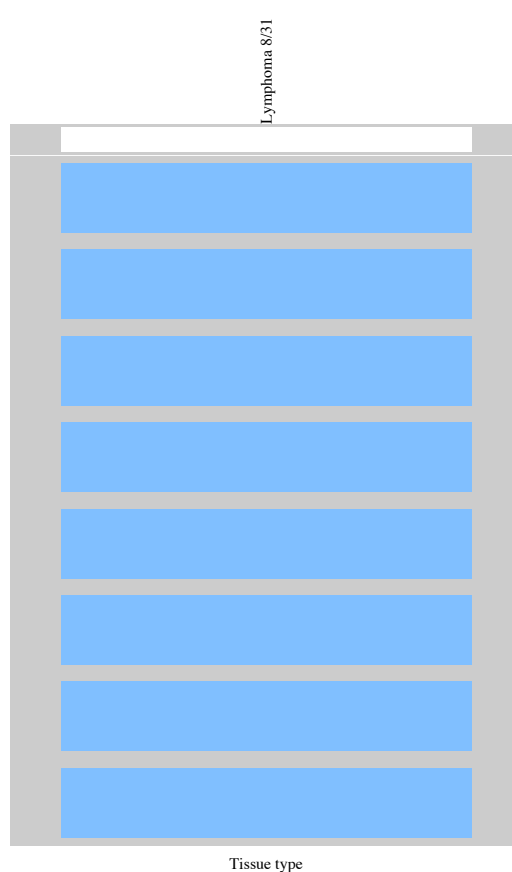
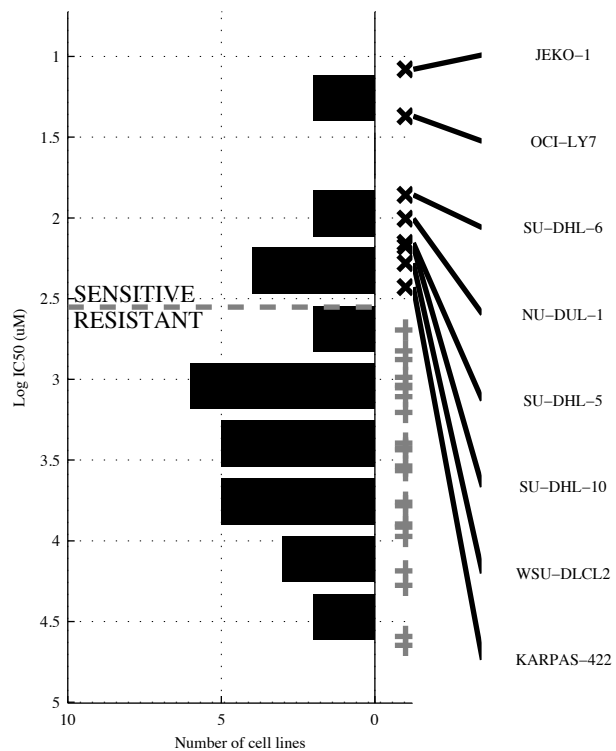


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d(CIT)</b>	<b>-ARID1A &amp; MAPK P</b>	<b>-MLL2 &amp; -PTEN &amp; -TLR-UP</b>	<b>-PTEN &amp; TP53 &amp; -JAK-STAT &amp; Wnt-UP</b>	<b>AKAP9   MAPK P</b>	<b>[ TP53 &amp; d16q23 ]   [-IL-1-D &amp; MAPK P]</b>	<b>AKAP9   ASXL2   MAPK P</b>	<b>ASXL2   d(CIT)   MAPK P</b>
TP   FP	2   0	3   2	8   3	8   3	4   3	4   2	5   3	5   3
Specificity	1	0.88	0.82	0.82	0.82	0.88	0.82	0.82
FN   TN	10   17	9   15	4   14	4   14	8   14	8   15	7   14	7   14
Precision	1	0.6	0.73	0.73	0.57	0.67	0.63	0.63
Recall	0.17	0.25	0.67	0.67	0.33	0.33	0.42	0.42



DLBC  
 id: 1030 name: KU-55933  
 target: ATM class: Genome integrity

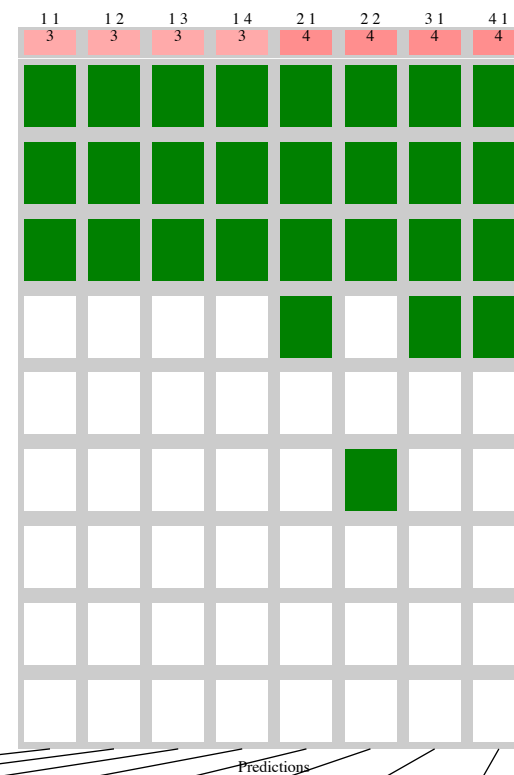
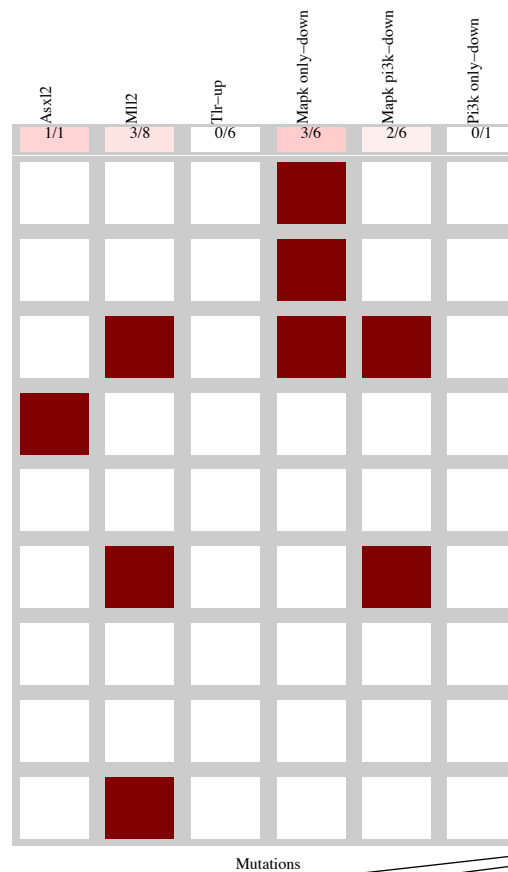
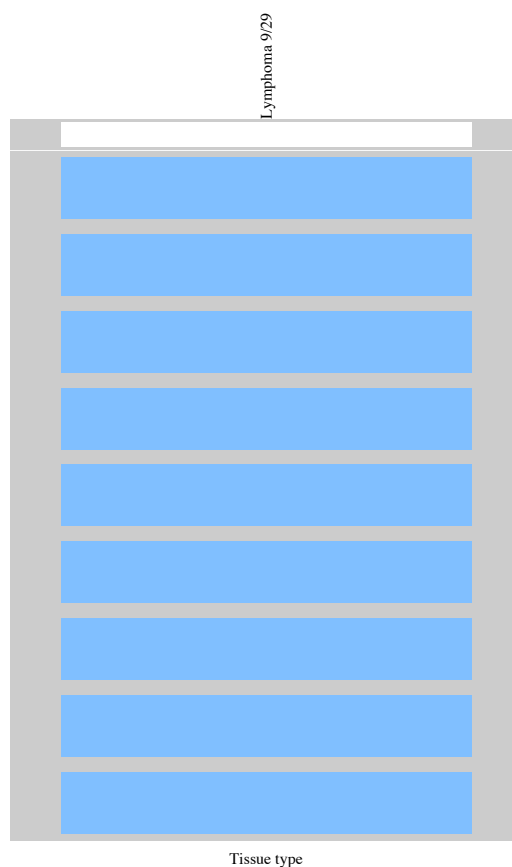
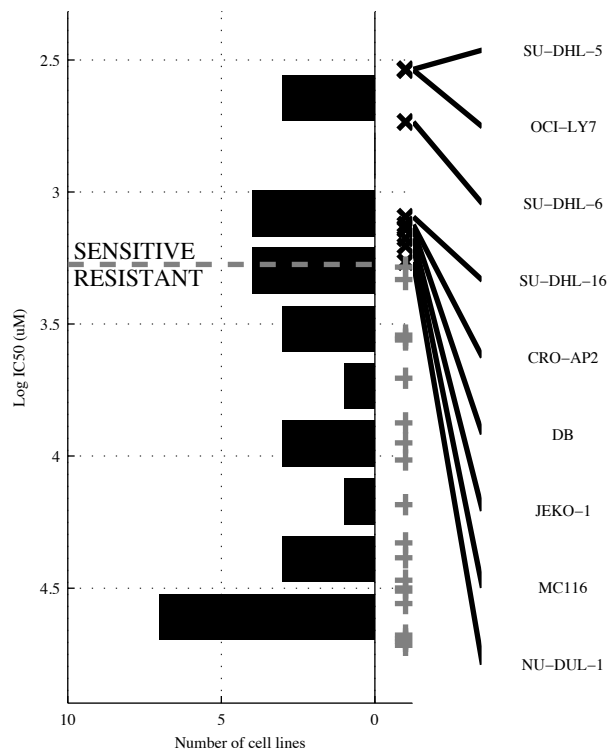
31 cell lines  
 8 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	M															
Logic formula	<b>MAPK o</b>		<b>MAPK &amp; -PI3K o</b>		<b>-TLR-UP &amp; MAPK &amp; -PI3K o</b>		<b>-MLL2 &amp; -PTEN &amp; TP53 &amp; TLR-UP</b>		<b>EP300   MAPK o</b>		<b>[ EP300 &amp; -d(CIT)   [MAPK &amp; MAPK P]</b>		<b>EP300   MYC   MAPK o</b>		<b>EP300   MYC   MAPK o</b>	
TP   FP Specificity	3   3 0.87		3   2 0.91		3   1 0.96		3   4 0.83		5   3 0.87		5   1 0.96		6   4 0.83		6   4 0.83	
FN   TN Precision	5   20 0.5		5   21 0.6		5   22 0.75		5   19 0.43		3   20 0.63		3   22 0.83		2   19 0.6		2   19 0.6	
Recall	0.38		0.38		0.38		0.38		0.63		0.63		0.75		0.75	

DLBC  
 id: 1033 name: Vismodegib  
 target: SMO class: other

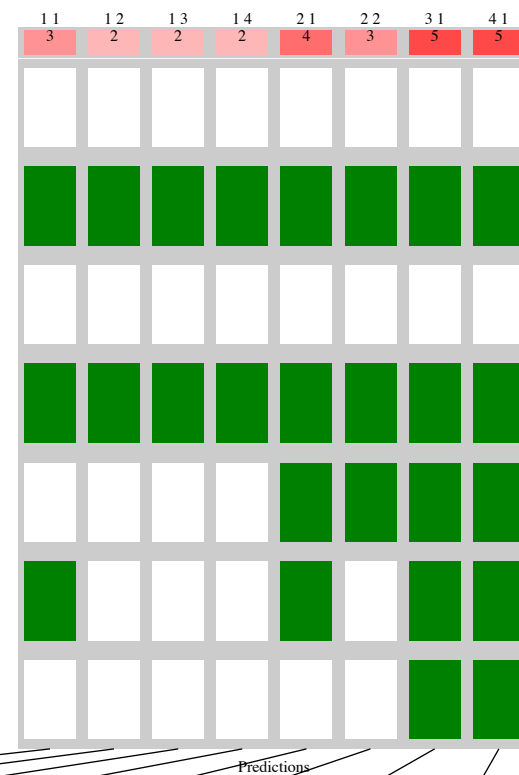
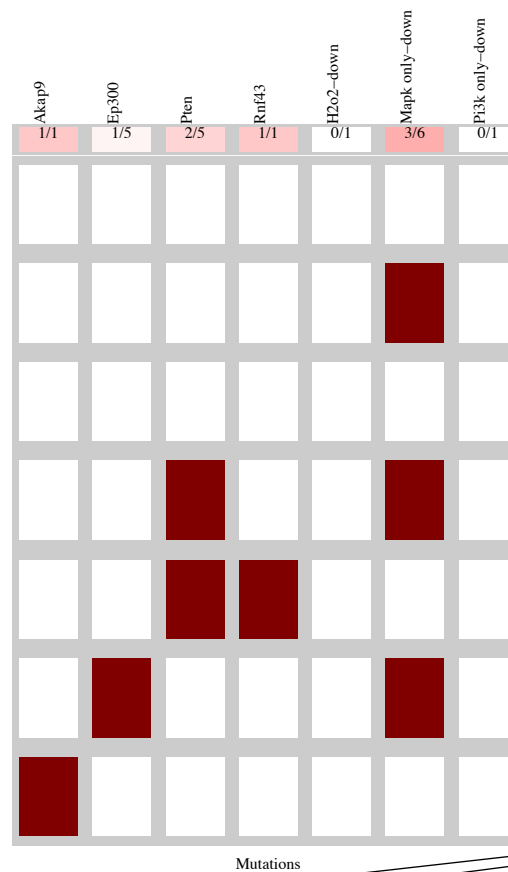
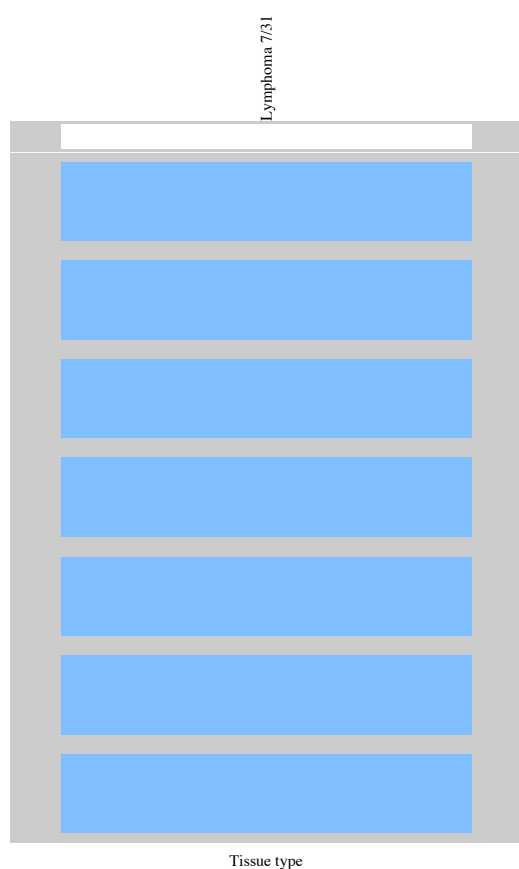
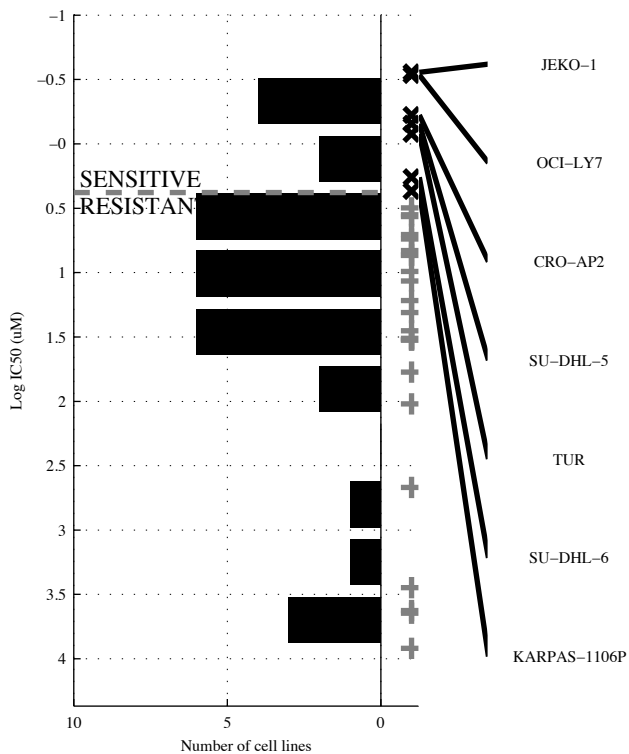
29 cell lines  
 9 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	MAPK o	MAPK o & -PI3K o	-TLR-up & MAPK o & -PI3K o	-TLR-up & MAPK o & -PI3K o	ASXL2   MAPK o	[ MLL2 & MAPK P ]   [ MAPK o & MAPK P ]	ASXL2   MAPK o	ASXL2   MAPK o
TP   FP Specificity	3   3 0.85	3   2 0.9	3   1 0.95	3   1 0.95	4   3 0.85	4   1 0.95	4   3 0.85	4   3 0.85
FN   TN Precision	6   17 0.5	6   18 0.6	6   19 0.75	6   19 0.75	5   17 0.57	5   19 0.8	5   17 0.57	5   17 0.57
Recall	0.33	0.33	0.33	0.33	0.44	0.44	0.44	0.44

DLBC  
 id: 1037 name: BX-795  
 target: TBK1, PDPK1, IKK, AURKB, AURKC class: other

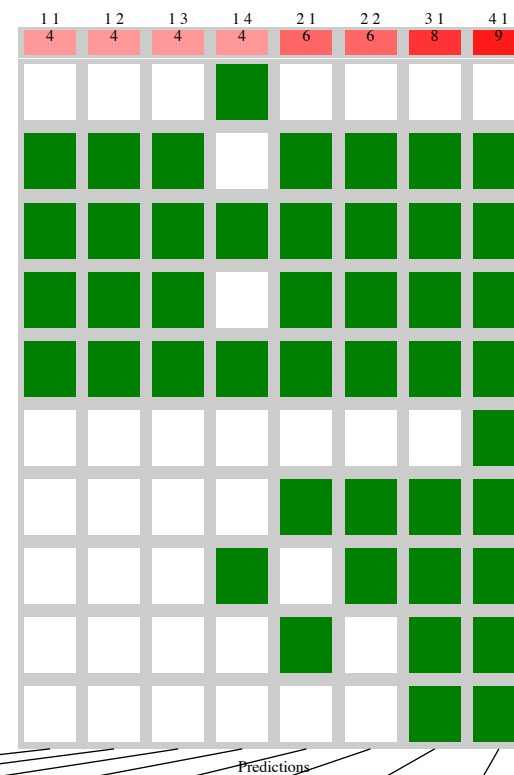
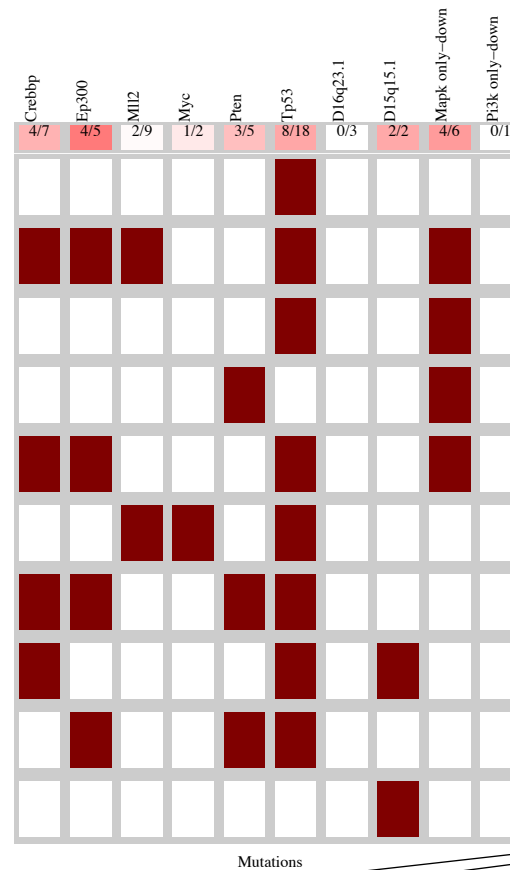
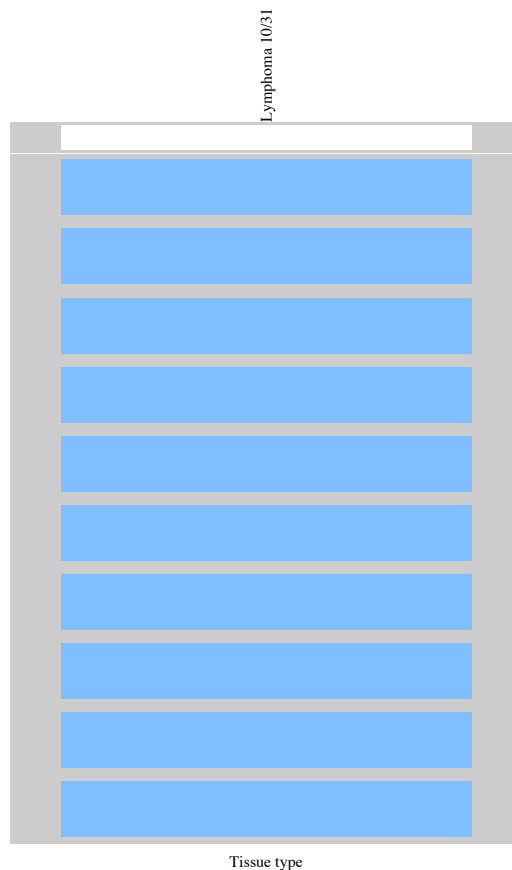
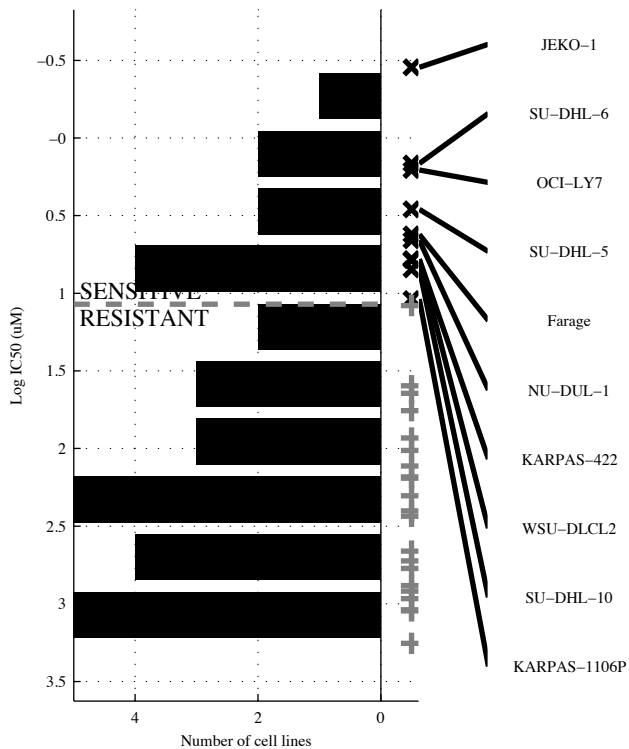
31 cell lines  
 7 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MAPK o</b>	<b>-EP300&amp;MAPK o</b>	<b>-EP300&amp;MAPK &amp;</b> <b>-PI3K o</b>	<b>-EP300&amp;H2O2-&amp;</b> <b>MAPK &amp;-PI3K o</b>	<b>RNF43   MAPK o</b>	<b>[ -EP300&amp;MAPK o ]</b> <b> </b> <b>[ -EP300&amp; PTEN ]</b>	<b>AKAP9   RNF43  </b> <b>MAPK o</b>	<b>AKAP9   RNF43  </b> <b>MAPK o </b>
TP   FP	3   3	2   1	2   0	2   0	4   3	3   1	5   3	5   3
Specificity	0.88	0.96	1	1	0.88	0.96	0.88	0.88
FN   TN	4   21	5   23	5   24	5   24	3   21	4   23	2   21	2   21
Precision	0.5	0.67	1	1	0.57	0.75	0.63	0.63
Recall	0.43	0.29	0.29	0.29	0.57	0.43	0.71	0.71

DLBC  
 id: 1038 name: NU-7441  
 target: PRKDC (DNAPK) class: Genome integrity

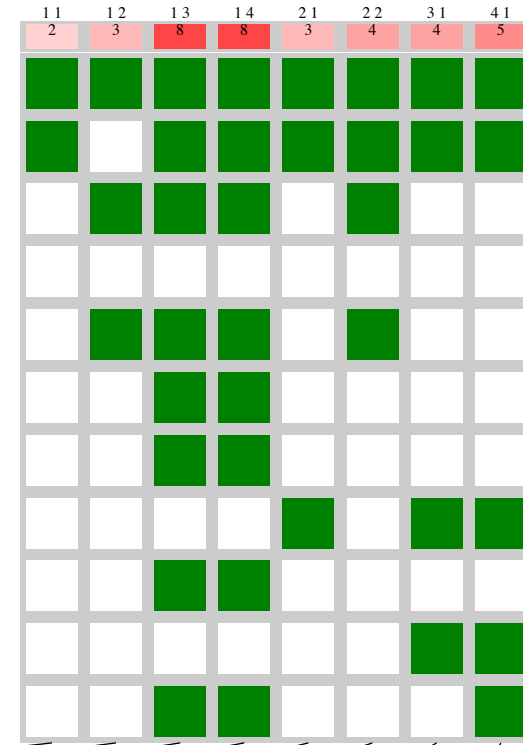
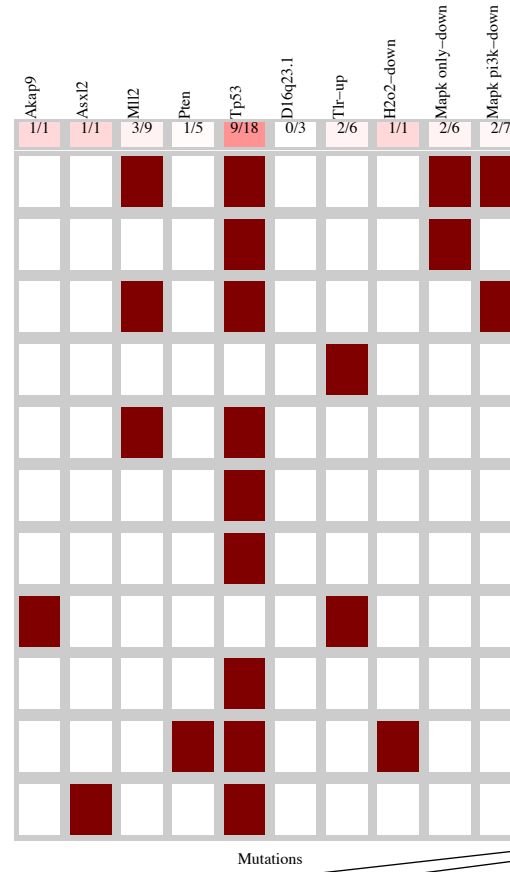
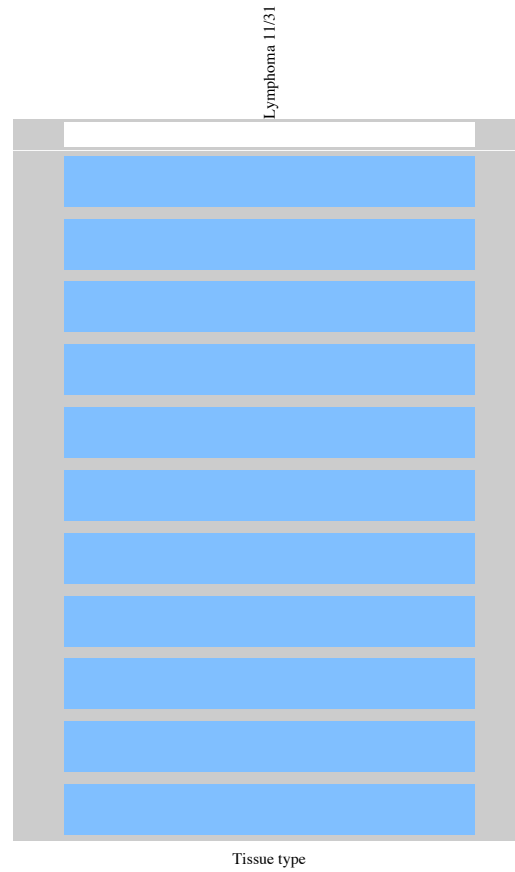
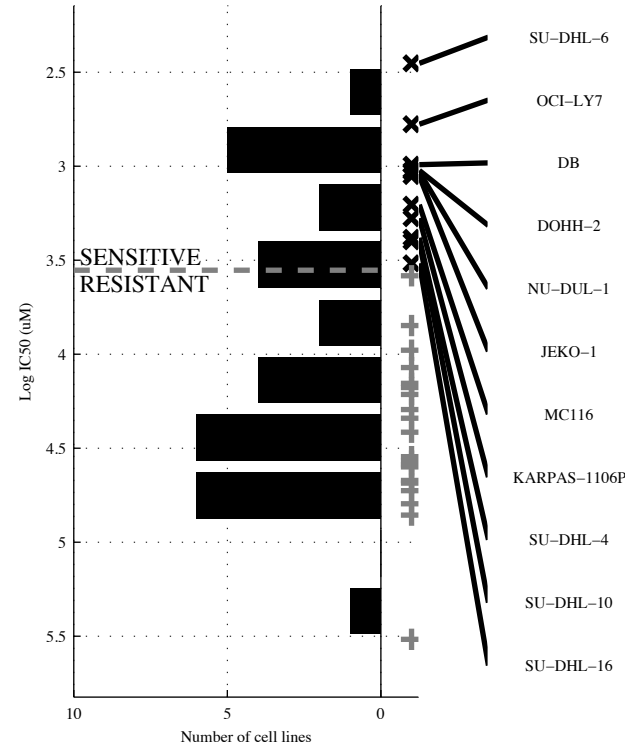
31 cell lines  
 10 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>MAPK o</b>	<b>MAPK o &amp; ~PI3K o</b>	<b>MAPK o &amp; ~PI3K o &amp;</b>	<b>~MLL2 &amp; ~PTEN &amp; TP53 &amp; ~d16q23</b>	<b>EP300   MAPK o</b>	<b>[ ~EP300 &amp; MAPK o ]   [ ~CREBBP &amp; TP53 ]</b>	<b>EP300   d15q15   MAPK o</b>	<b>EP300   MYC   d15q15   MAPK o</b>
TP   FP Specificity	4   2 0.9	4   1 0.95	4   1 0.95	4   4 0.81	6   2 0.9	6   1 0.95	8   2 0.9	9   3 0.86
FN   TN Precision	6   19 0.67	6   20 0.8	6   20 0.8	6   17 0.5	4   19 0.75	4   20 0.86	2   19 0.8	1   18 0.75
Recall	0.4	0.4	0.4	0.4	0.6	0.6	0.8	0.9

DLBC  
 id: 1039 name: SL 0101-1  
 target: RSK, AURKB, PIM3 class: ERK MAPK signaling

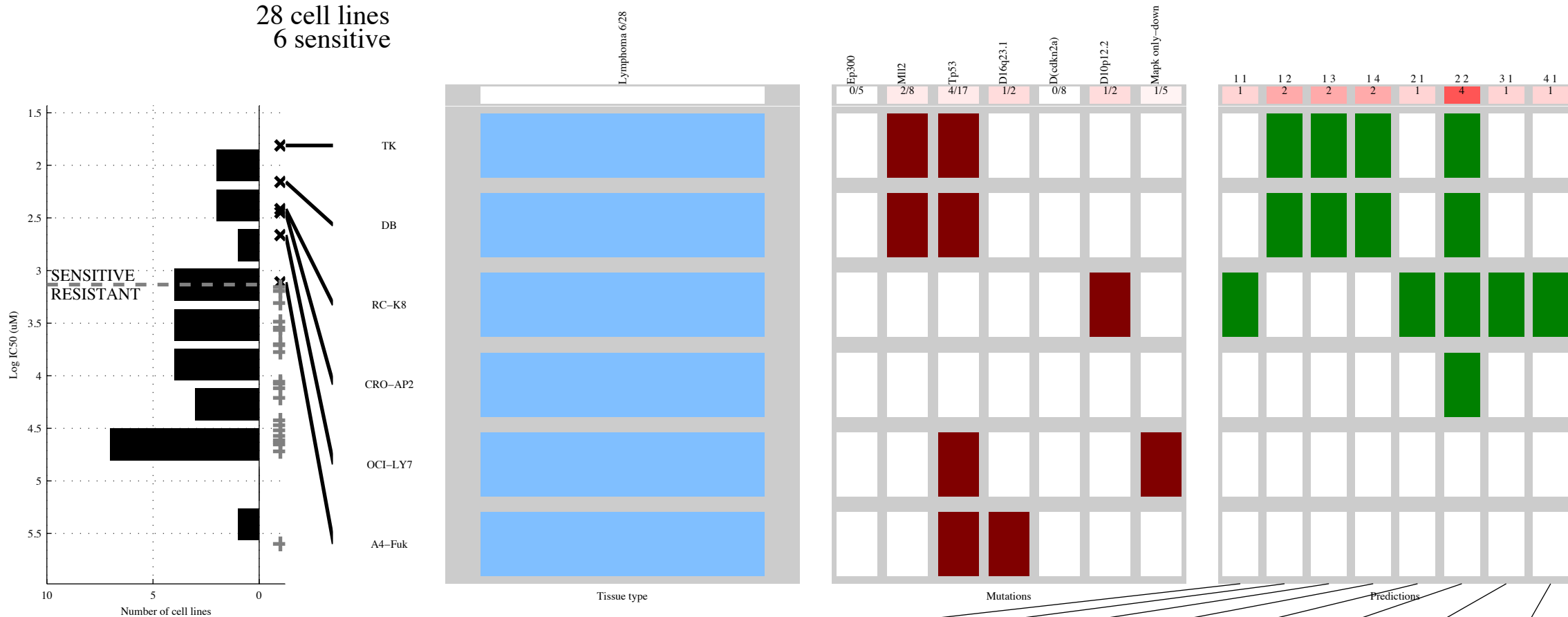
31 cell lines  
 11 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>MAPK o</b>		<b>MLL2 &amp; TP53</b>		<b>-PTEN &amp; TP53 &amp; -TLR-UP</b>		<b>-PTEN &amp; TP53 &amp; -d16q23 &amp; TLR-UP</b>		<b>AKAP9   MAPK o</b>		<b>[ MLL2 &amp; TP53 ]   [ MAPK o &amp; MAPK P ]</b>		<b>AKAP9   H2O2-D   MAPK o</b>		<b>AKAP9   ASXL2   H2O2-D   MAPK o</b>	
TP   FP Specificity	2   4	0.8	3   2	0.9	8   4	0.8	8   3	0.85	3   4	0.8	4   4	0.8	4   4	0.8	5   4	0.8
FN   TN Precision	9   16	0.33	8   18	0.6	3   16	0.67	3   17	0.73	8   16	0.43	7   16	0.5	7   16	0.5	6   16	0.56
Recall		0.18		0.27		0.73		0.73		0.27		0.36		0.36		0.45

DLBC  
 id: 1042 name: BIRB 0796  
 target: p38, JNK2 class: JNK and p38 signaling

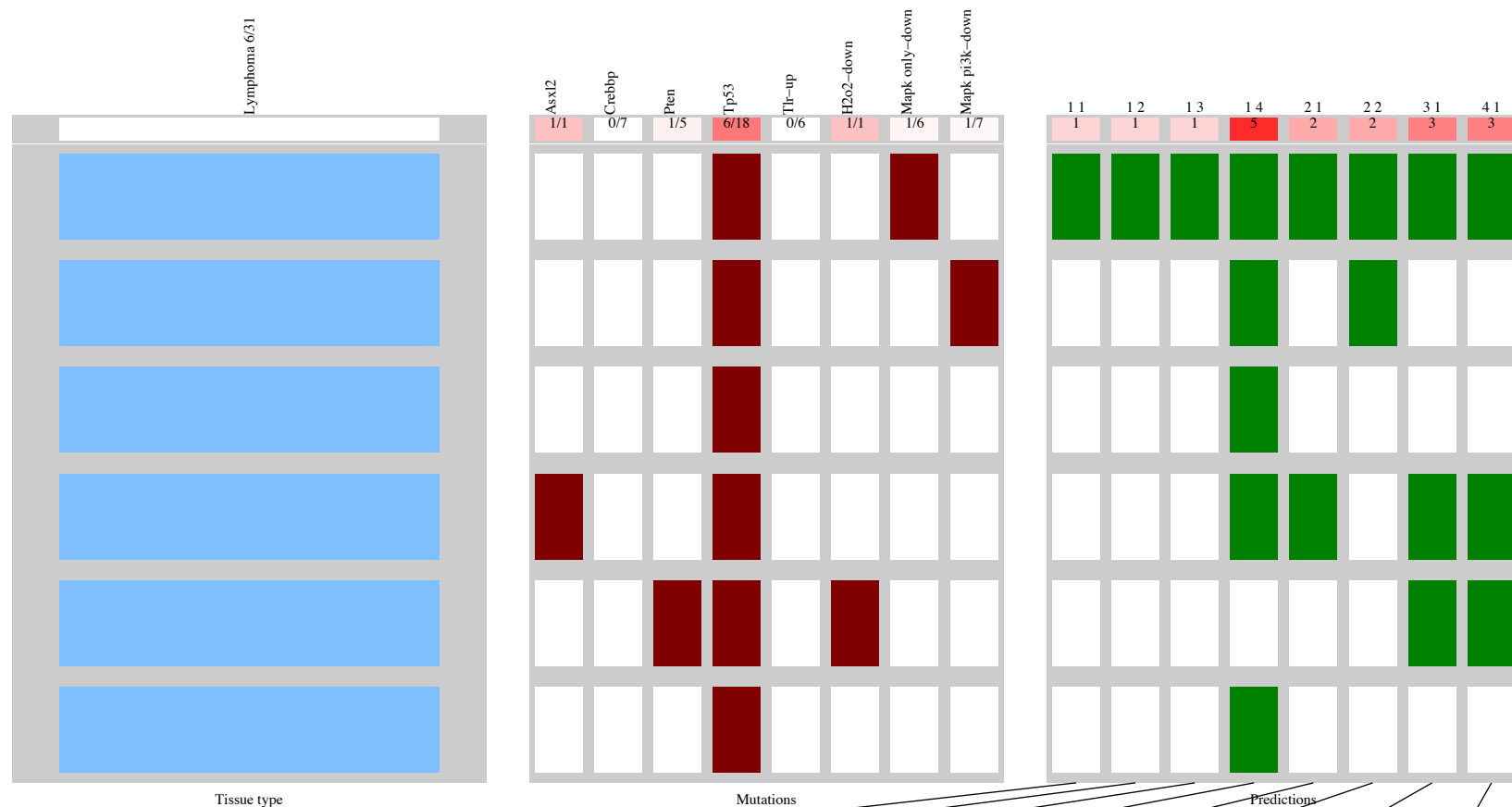
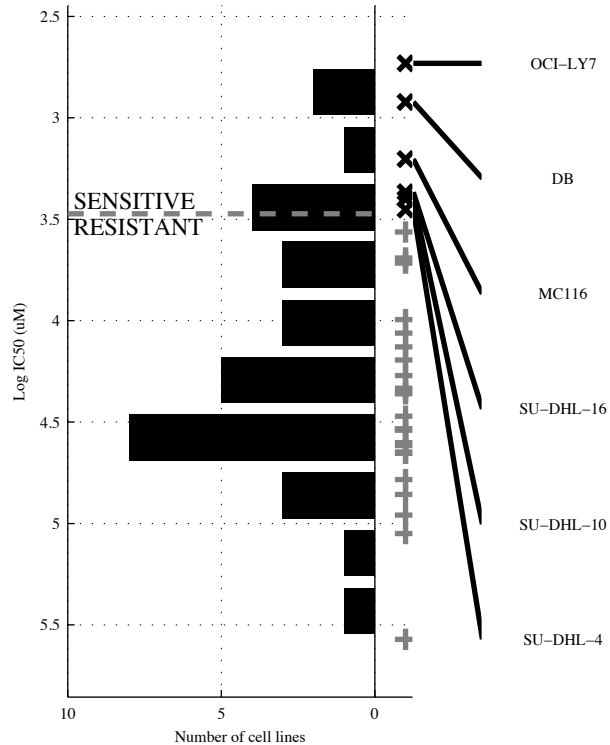
28 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d10p12</b>	<b>MLL2 &amp; TP53</b>	<b>MLL2 &amp; TP53 &amp; <math>\neg</math>MAPK o</b>	<b><math>\neg</math>EP300 &amp; MLL2 &amp; <math>\neg</math>d16q23.1 &amp; d(CDKN)</b>	<b>d10p12  </b>	<b>[ MLL2 &amp; d(CDKN)   <math>\neg</math>TP53 &amp; d(CDKN) ]</b>	<b>d10p12    </b>	<b>d10p12    </b>
TP   FP Specificity	1   1 0.95	2   2 0.91	2   1 0.95	2   1 0.95	1   1 0.95	4   4 0.82	1   1 0.95	1   1 0.95
FN   TN Precision	5   21 0.5	4   20 0.5	4   21 0.67	4   21 0.67	5   21 0.5	2   18 0.5	5   21 0.5	5   21 0.5
Recall	0.17	0.33	0.33	0.33	0.17	0.67	0.17	0.17

DLBC  
 id: 1043 name: JNK Inhibitor VIII  
 target: JNK class: JNK and p38 signaling

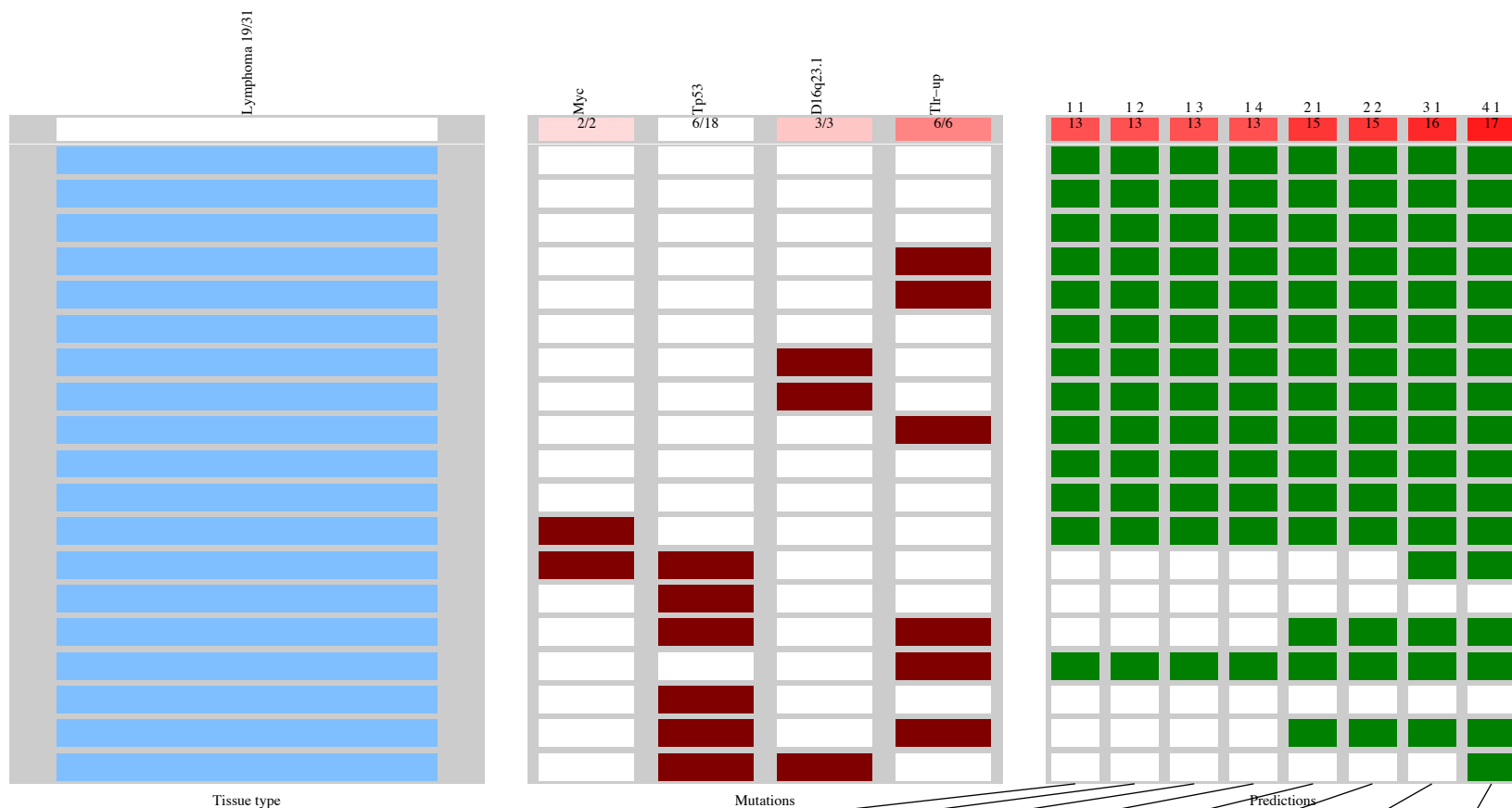
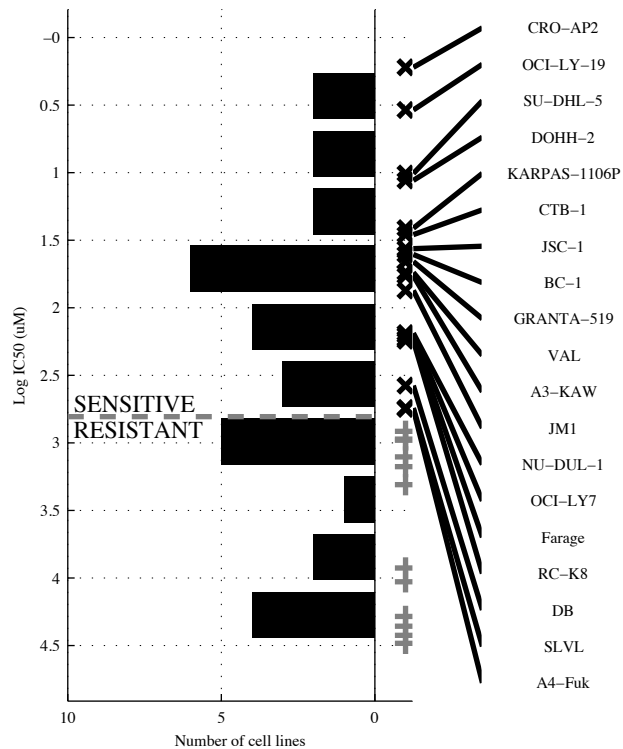
31 cell lines  
 6 sensitive



Model name	11	12	13	14	21	22	31	41
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	MAPK o	<del>CREBB</del> & MAPK o	<del>CREBB</del> & <del>PTEN</del> & MAPK o	<del>CREBB</del> & <del>PTEN</del> & TP53 & TLR-UP	ASXL2   MAPK o	<del>CREBB</del> & MAPK P     <del>CREBB</del> & MAPK o	ASXL2   H2O2-D     MAPK o	ASXL2   H2O2-D     MAPK o
TP   FP	1   5	1   2	1   0	5   5	2   5	2   3	3   5	3   5
Specificity	0.8	0.92	1	0.8	0.8	0.88	0.8	0.8
FN   TN	5   20	5   23	5   25	1   20	4   20	4   22	3   20	3   20
Precision	0.17	0.33	1	0.5	0.29	0.4	0.38	0.38
Recall	0.17	0.17	0.17	0.83	0.33	0.33	0.5	0.5

DLBC  
 id: 1047 name: Nutlin-3a  
 target: MDM2 class: p53 pathway

31 cell lines  
 19 sensitive

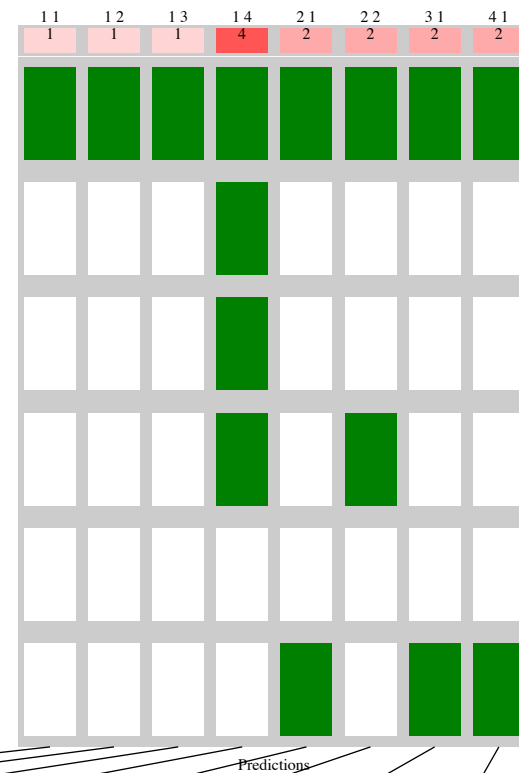
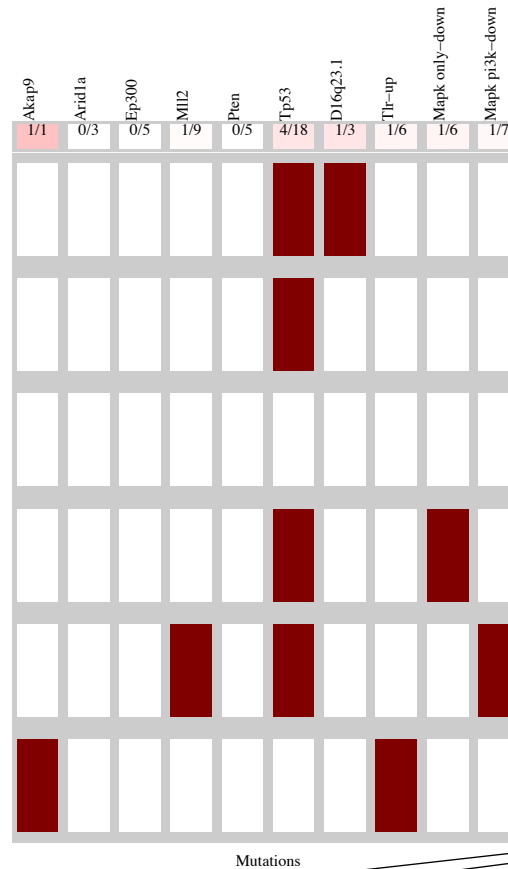
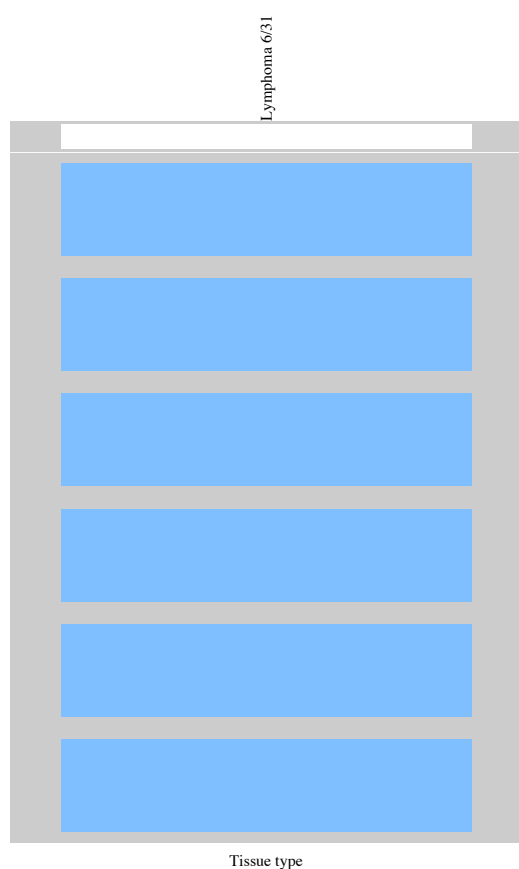
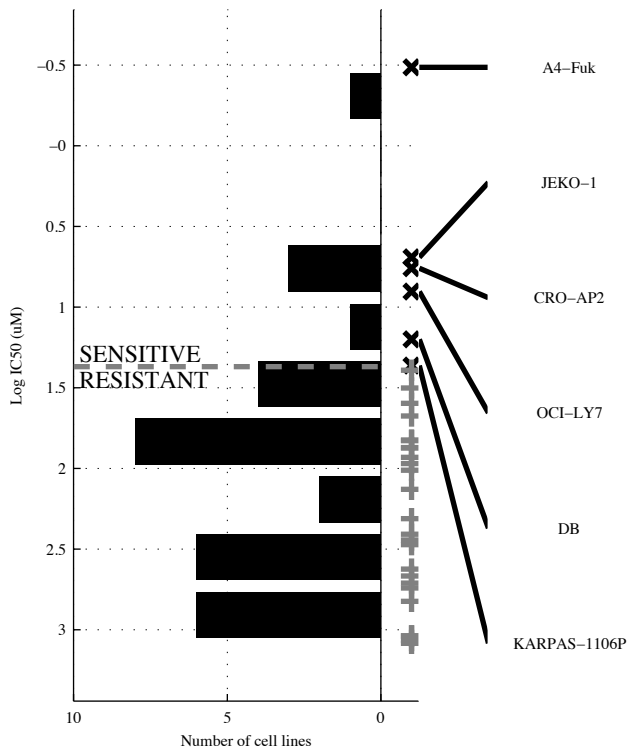


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>-TP53</b>	<b>-TP53 &amp;</b>	<b>-TP53 &amp; &amp;</b>	<b>-TP53 &amp; &amp;</b>	<b>-TP53  TP53 &amp;</b>	<b>[ TP53 &amp;TLR-UP ]   [ -TP53 &amp; ]</b>	<b>MYC   -TP53   TLR-UP</b>	<b>MYC   -TP53   d16q23  TLR-UP</b>
TP   FP Specificity	13   0	13   0	13   0	13   0	15   0	15   0	16   0	17   0
FN   TN Precision	6   12	6   12	6   12	6   12	4   12	4   12	3   12	2   12
Recall	0.68	0.68	0.68	0.68	0.79	0.79	0.84	0.89



DLBC  
 id: 1049 name: PD-173074  
 target: FGFR1, FGFR3 class: RTK signaling

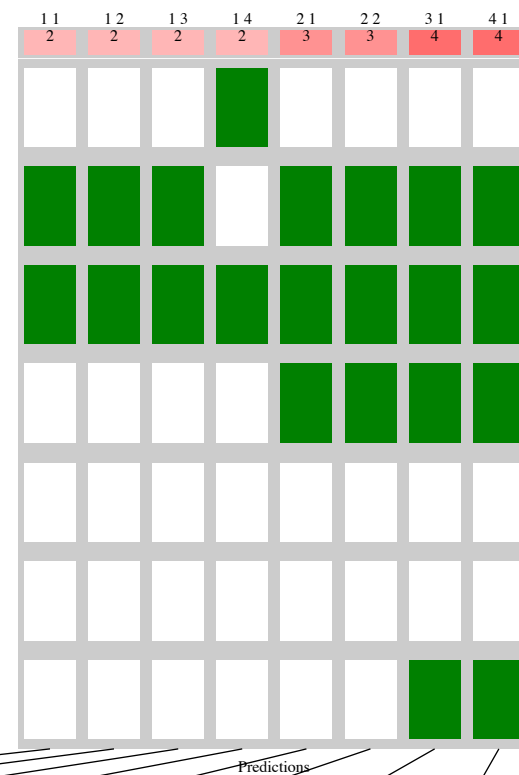
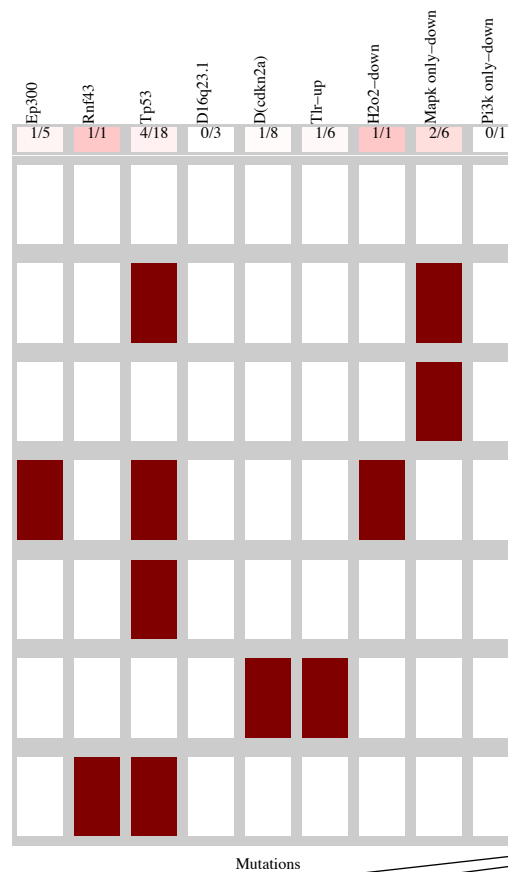
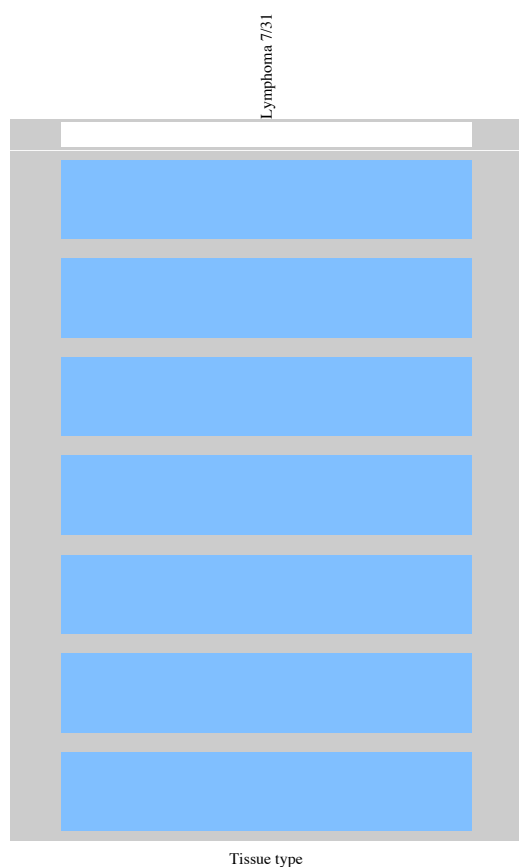
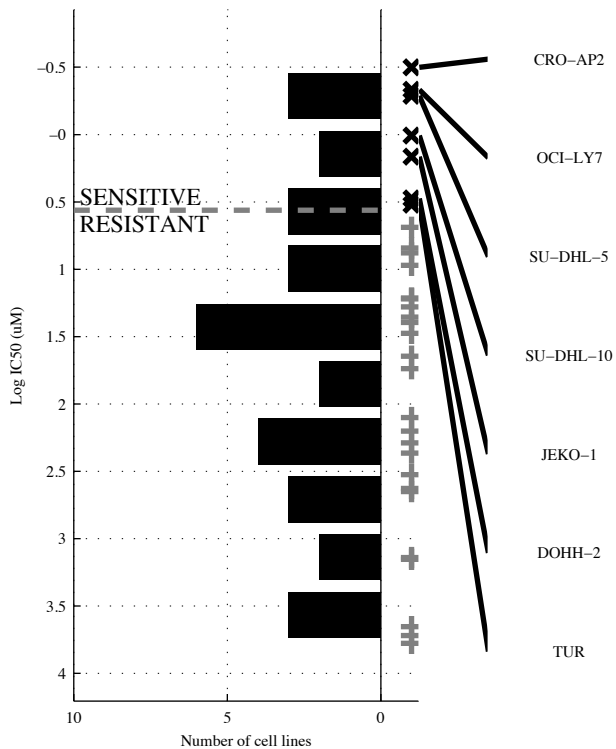
31 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d16q23</b>	<b>TP53 &amp; d16q23</b>	<b>~ARID1A &amp; ~MLL2 &amp; d16q23</b>	<b>~MLL2 &amp; ~PTEN &amp; ~TLR-U &amp; MAPK P</b>	<b>AKAP9   d16q23</b>	<b>[ TP53 &amp; d16q23 ]   [ ~EP300 &amp; MAPK o ]</b>	<b>AKAP9   d16q23  </b>	<b>AKAP9   d16q23  </b>
TP   FP Specificity	1   2 0.92	1   0 1	1   0 1	4   5 0.8	2   2 0.92	2   2 0.92	2   2 0.92	2   2 0.92
FN   TN Precision	5   23 0.33	5   25 1	5   25 1	2   20 0.44	4   23 0.5	4   23 0.5	4   23 0.5	4   23 0.5
Recall	0.17	0.17	0.17	0.67	0.33	0.33	0.33	0.33

DLBC  
 id: 1050 name: ZM-447439  
 target: AURKB class: mitosis

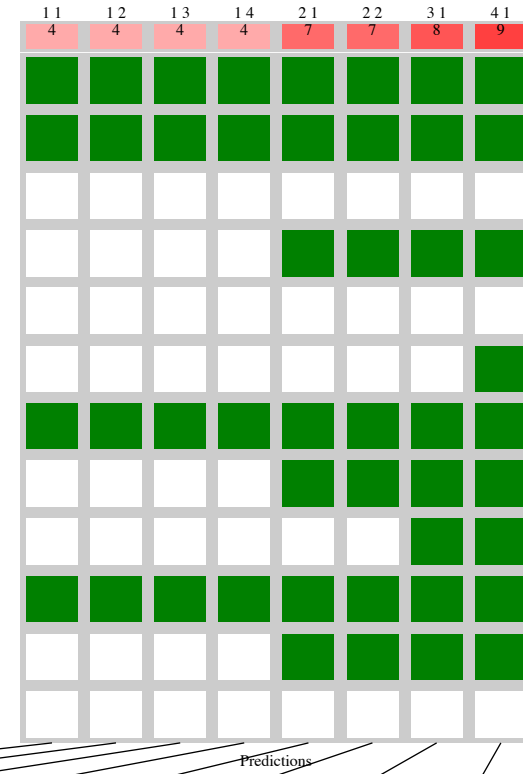
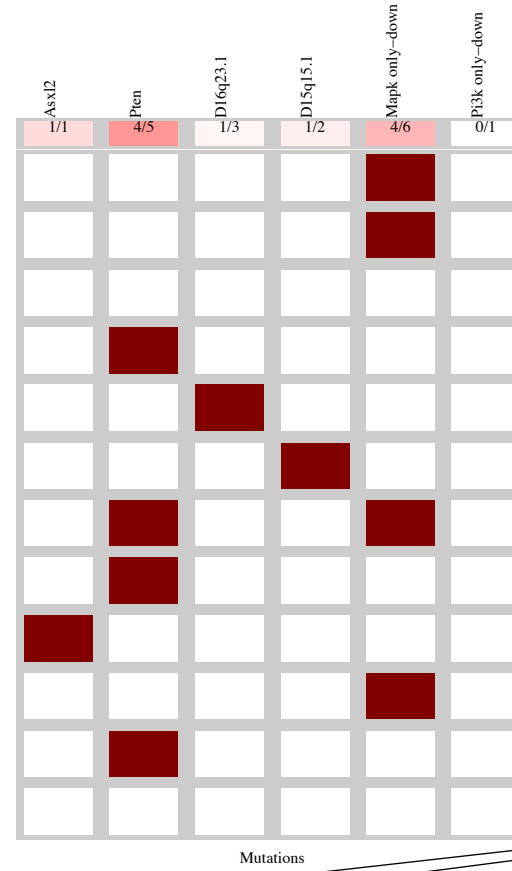
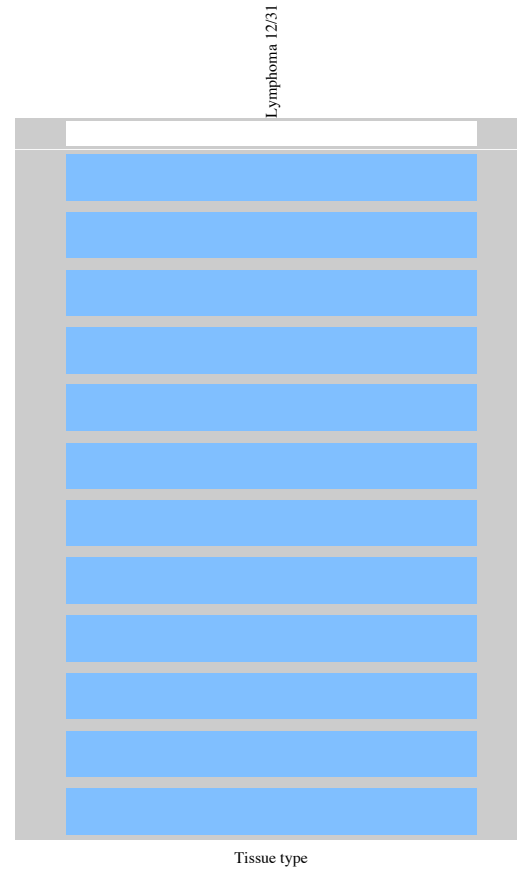
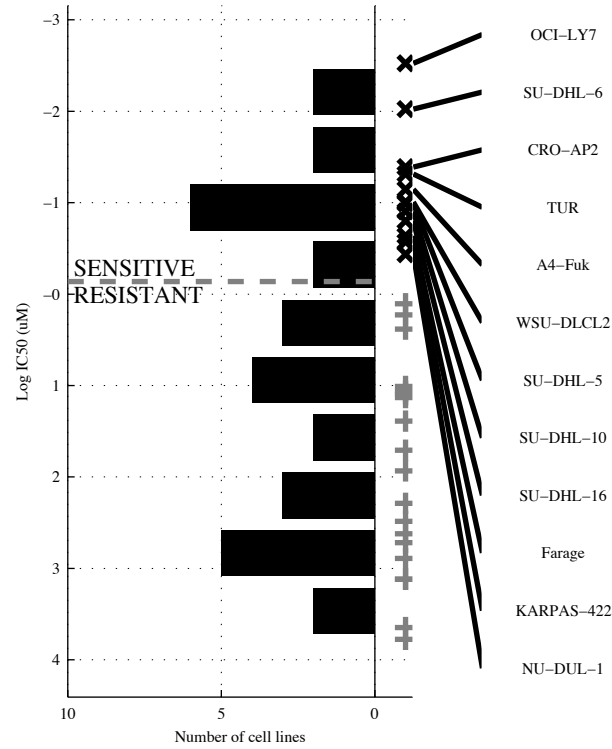
31 cell lines  
 7 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MAPK o</b>	<b>-EP300&amp;MAPK o</b>	<b>-EP300&amp;MAPK &amp;</b> <b>-PI3K o</b>	<b>-TP53 &amp;-d16q23&amp;</b> <b>-d(CDK&amp;TLR-UP</b>	<b>H2O2-DIMAPK o</b>	<b>[H2O2-D&amp; ]</b> <b> </b> <b>[ -EP300&amp;MAPK o ]</b>	<b>RNF43  H2O2-D </b> <b>MAPK o</b>	<b>RNF43  H2O2-D </b> <b>MAPK o </b>
TP   FP Specificity	2   4 0.83	2   1 0.96	2   0 1	2   1 0.96	3   4 0.83	3   1 0.96	4   4 0.83	4   4 0.83
FN   TN Precision	5   20 0.33	5   23 0.67	5   24 1	5   23 0.67	4   20 0.43	4   23 0.75	3   20 0.5	3   20 0.5
Recall	0.29	0.29	0.29	0.29	0.43	0.43	0.57	0.57

DLBC  
 id: 1053 name: MK-2206  
 target: AKT1, AKT2 class: PI3K signaling

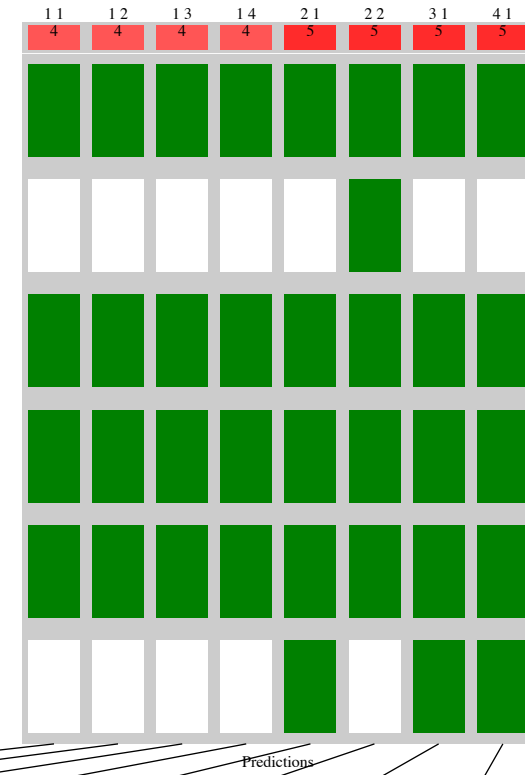
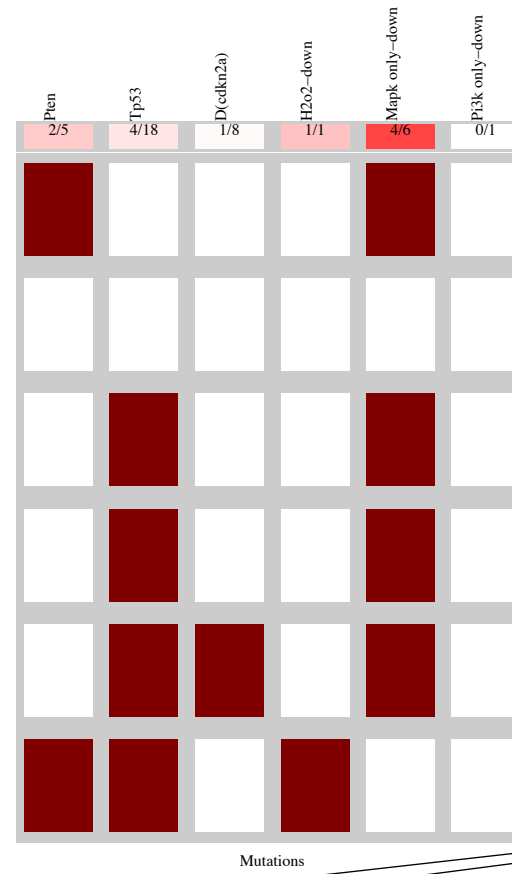
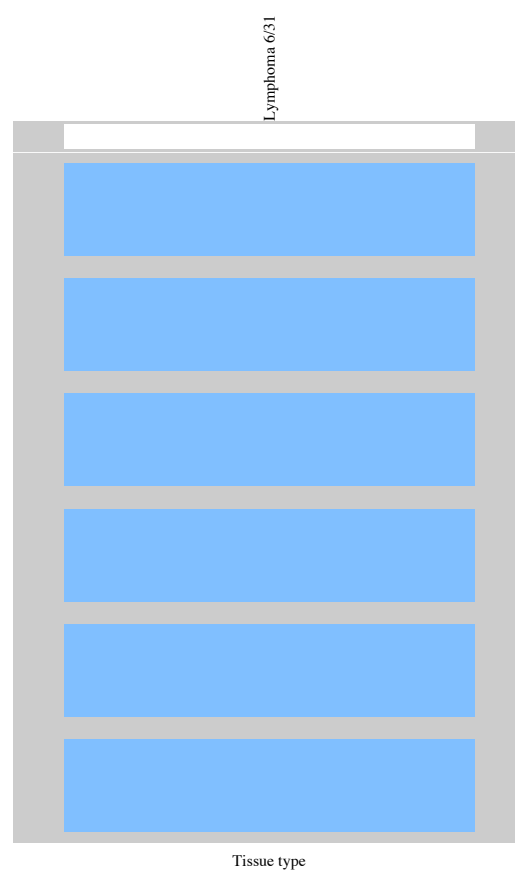
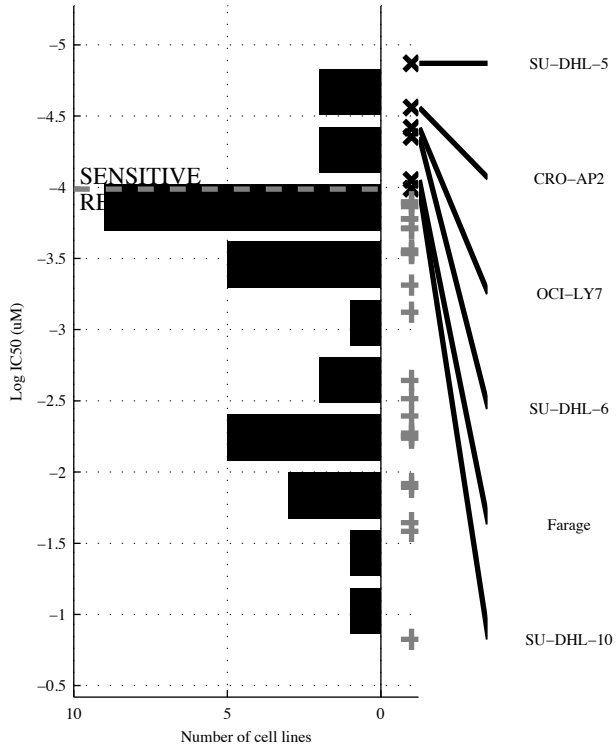
31 cell lines  
 12 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	M															
Logic formula	<b>MAPK o</b>		<b>MAPK &amp; ¬PI3K o</b>		<b>¬d16q23 &amp; MAPK &amp;</b>		<b>¬d16q23 &amp; MAPK &amp;</b>		<b>PTEN   MAPK o</b>		<b>[ PTEN &amp; MAPK q   ]</b>		<b>ASXL2   PTEN   ]</b>		<b>ASXL2   PTEN   ]</b>	
TP   FP Specificity	4   2 0.89		4   1 0.95		4   1 0.95		4   1 0.95		7   2 0.89		7   1 0.95		8   2 0.89		9   3 0.84	
FN   TN Precision	8   17 0.67		8   18 0.8		8   18 0.8		8   18 0.8		5   17 0.78		5   18 0.88		4   17 0.8		3   16 0.75	
Recall	0.33		0.33		0.33		0.33		0.58		0.58		0.67		0.75	

DLBC  
 id: 1057 name: NVP-BEZ235  
 target: PI3K (Class 1) and MTORC12 class: PI3K signaling

31 cell lines  
 6 sensitive

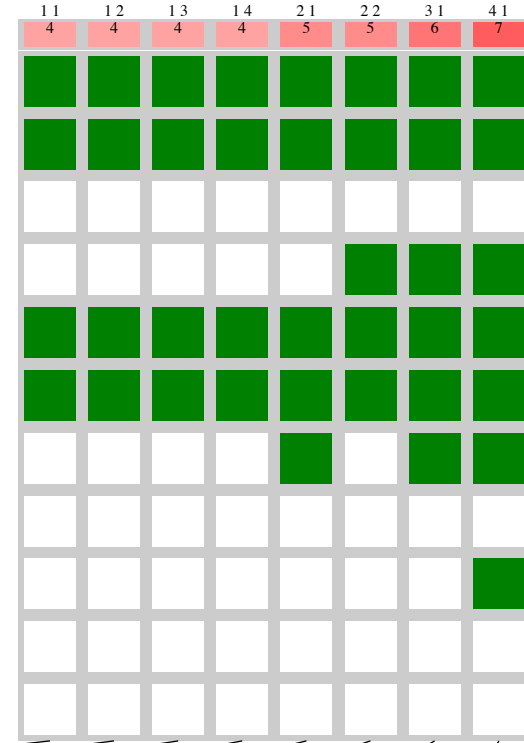
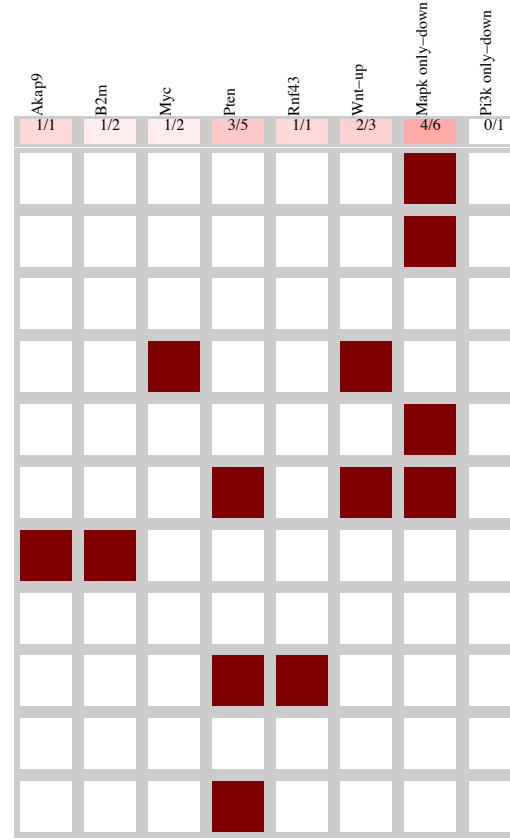
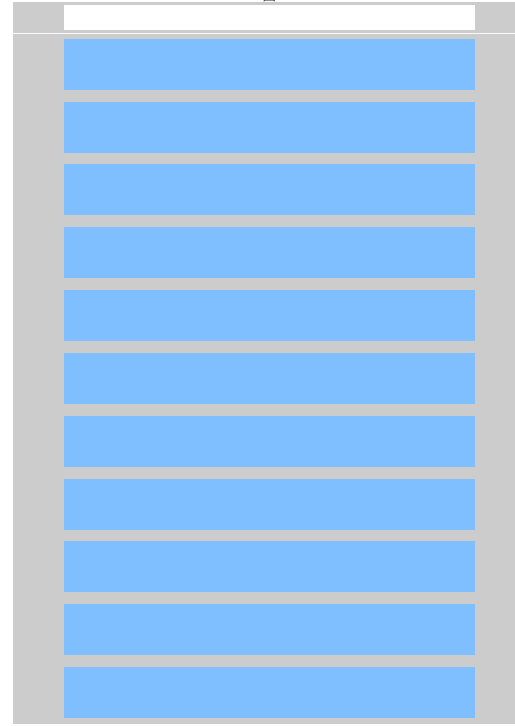
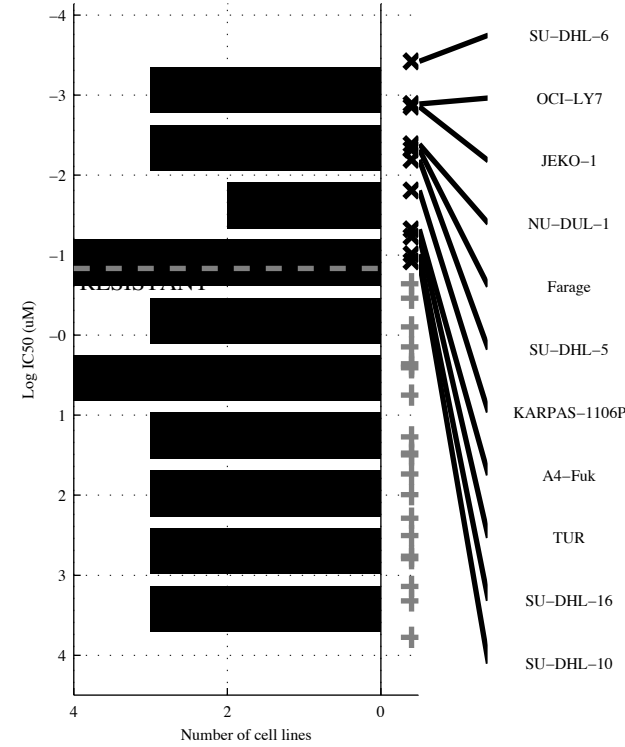


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>MAPK o</b>	<b>MAPK o &amp; PI3K o</b>	<b>MAPK o &amp; PI3K o &amp;</b>	<b>MAPK o &amp; PI3K o &amp;</b>	<b>H2O2-DIMAPK o</b>	<b>[ -TP53 &amp; d(CDKN)   [ -PTEN &amp; MAPK o ]</b>	<b>H2O2-DIMAPK o  </b>	<b>H2O2-DIMAPK o  </b>
TP   FP Specificity	4   2 0.92	4   1 0.96	4   1 0.96	4   1 0.96	5   2 0.92	5   4 0.84	5   2 0.92	5   2 0.92
FN   TN Precision	2   23 0.67	2   24 0.8	2   24 0.8	2   24 0.8	1   23 0.71	1   21 0.56	1   23 0.71	1   23 0.71
Recall	0.67	0.67	0.67	0.67	0.83	0.83	0.83	0.83

DLBC  
 id: 1058 name: GDC0941  
 target: PI3K (class 1) class: PI3K signaling

31 cell lines  
 11 sensitive

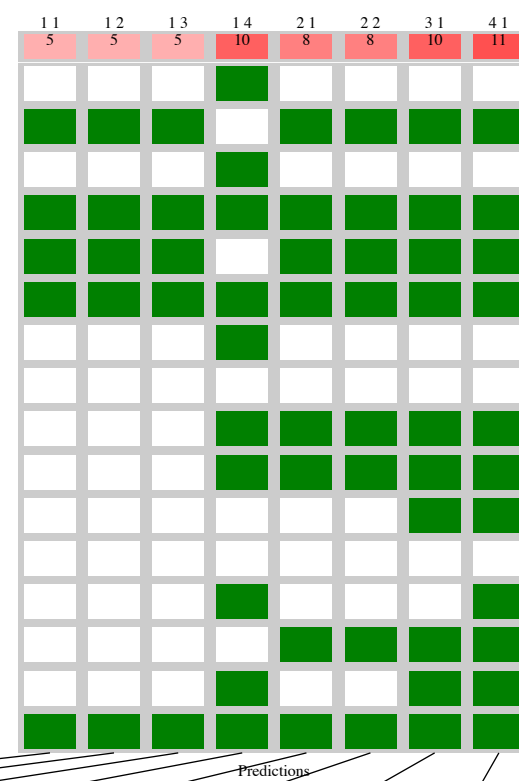
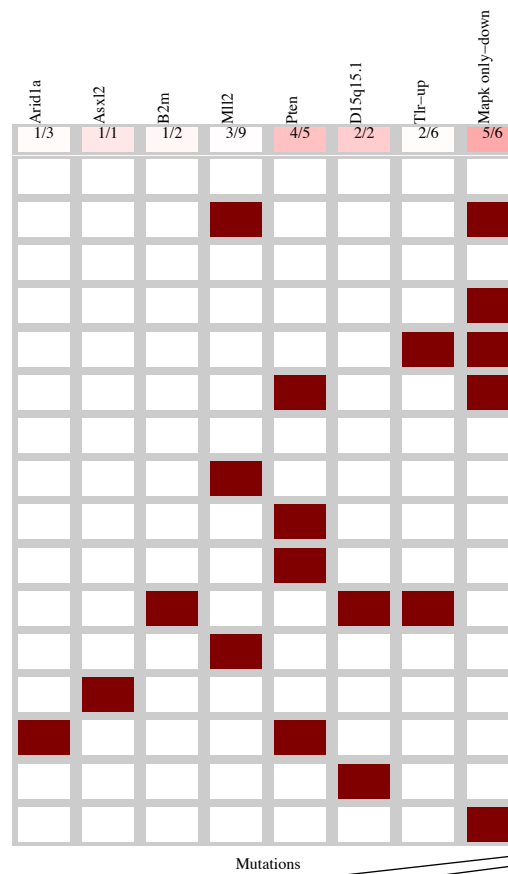
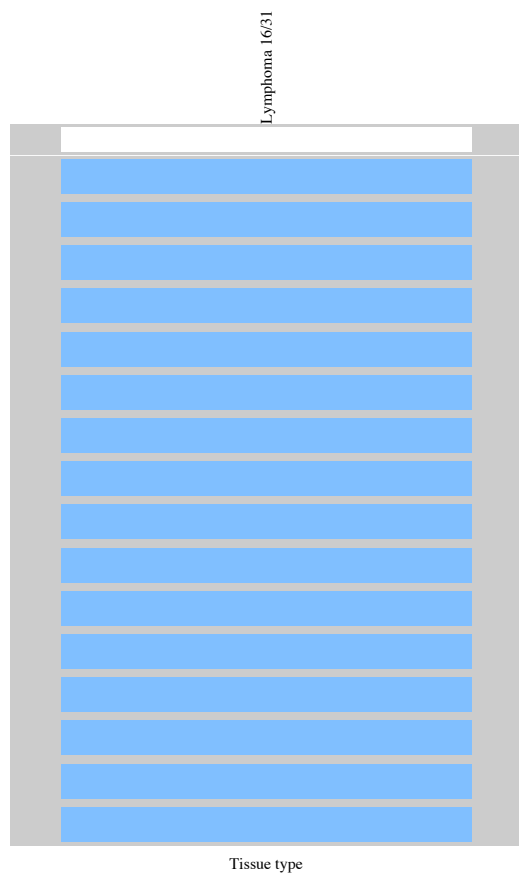
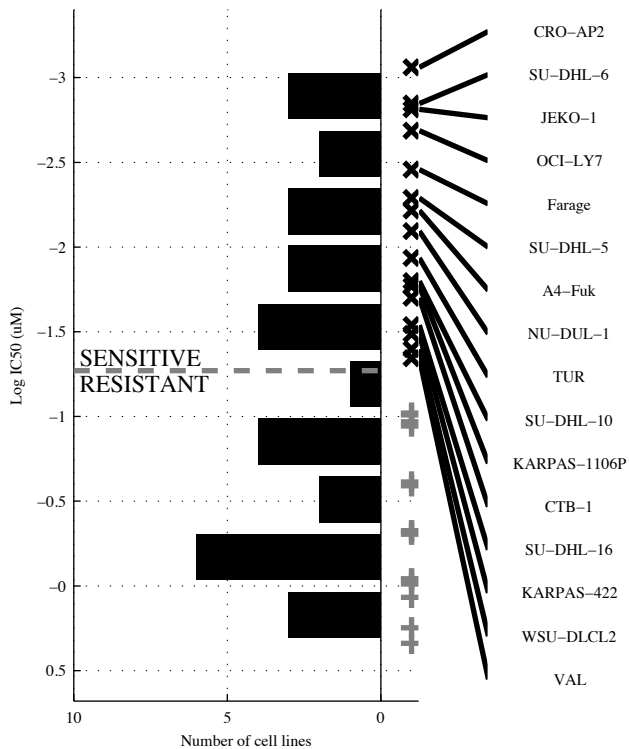
Lymphoma 11/31



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>MAPK o</b>	<b>MAPK &amp;-PI3K o</b>	<b>MAPK &amp;-PI3K &amp;</b>	<b>MAPK &amp;-PI3K &amp;</b>	<b>AKAP9   MAPK o</b>	<b>[ -PTEN &amp; MAPK o ]   [ -B2M &amp; Wnt-UP ]</b>	<b>AKAP9   MYC   MAPK o</b>	<b>AKAP9   MYC   RNF43   MAPK o</b>
TP   FP Specificity	4   2 0.9	4   1 0.95	4   1 0.95	4   1 0.95	5   2 0.9	5   1 0.95	6   3 0.85	7   3 0.85
FN   TN Precision	7   18 0.67	7   19 0.8	7   19 0.8	7   19 0.8	6   18 0.71	6   19 0.83	5   17 0.67	4   17 0.7
Recall	0.36	0.36	0.36	0.36	0.45	0.45	0.55	0.64

DLBC  
 id: 1059 name: AZD8055  
 target: MTORC12 class: TOR signaling

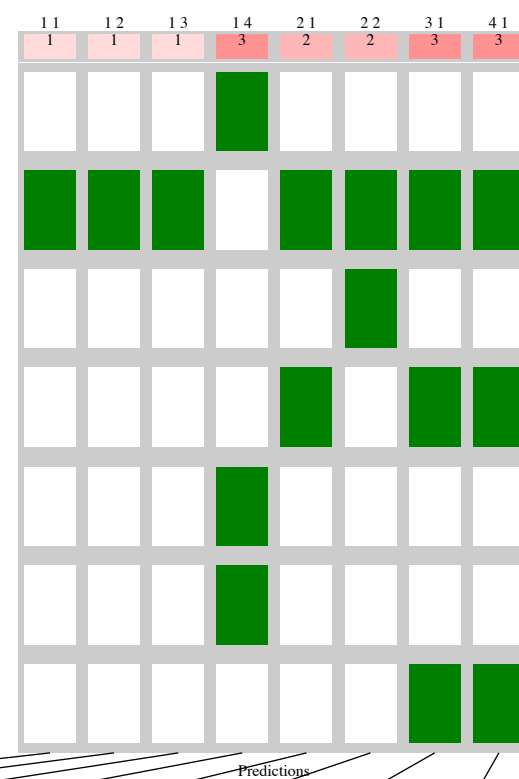
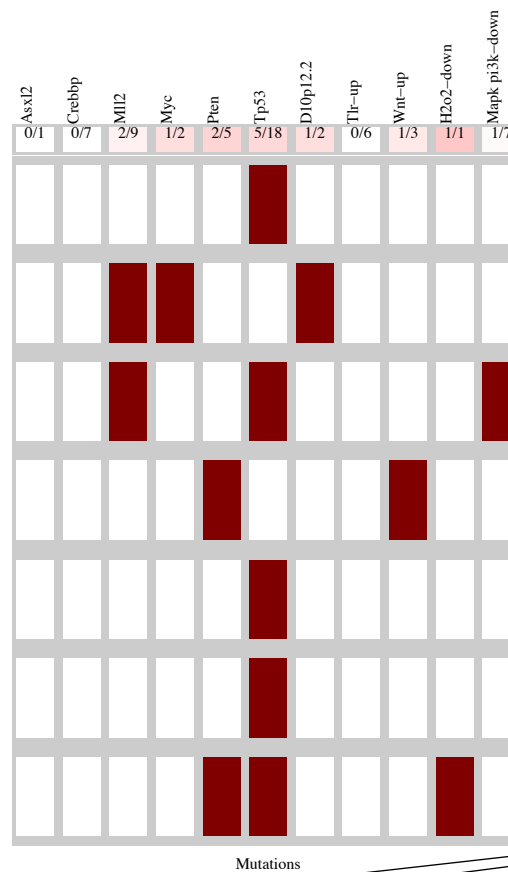
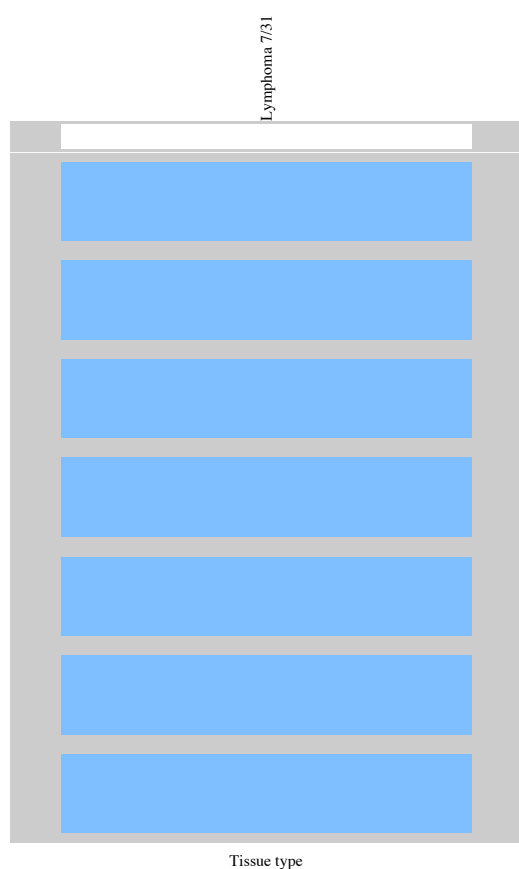
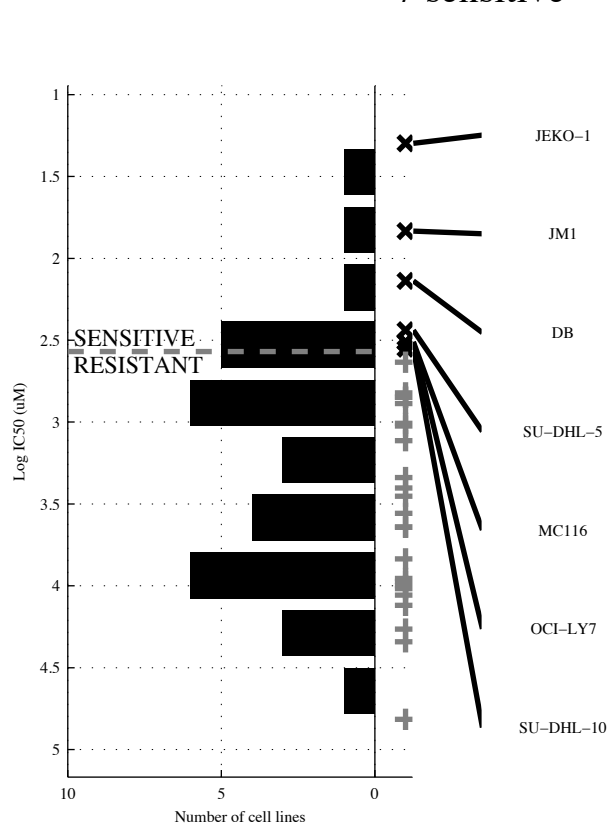
31 cell lines  
 16 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MAPK o</b>	<b>MAPK &amp;</b>	<b>MAPK &amp; &amp;</b>	<b>~ARID1&amp; ~B2M &amp;</b> <b>~MLL2&amp;TLR-UP</b>	<b>PTEN  MAPK o</b>	<b>[ PTEN &amp; ]</b> <b> </b> <b>[ ~PTEN&amp;MAPK o ]</b>	<b>PTEN   d15q15  </b> <b>MAPK o</b>	<b>ASXL2   PTEN  </b> <b>d15q15  MAPK o</b>
TP   FP Specificity	5   1 0.93	5   1 0.93	5   1 0.93	10   3 0.8	8   1 0.93	8   1 0.93	10   1 0.93	11   1 0.93
FN   TN Precision	11   14 0.83	11   14 0.83	11   14 0.83	6   12 0.77	8   14 0.89	8   14 0.89	6   14 0.91	5   14 0.92
Recall	0.31	0.31	0.31	0.63	0.5	0.5	0.63	0.69

DLBC  
 id: 1061 name: SB590885  
 target: BRAF class: ERK MAPK signaling

31 cell lines  
 7 sensitive



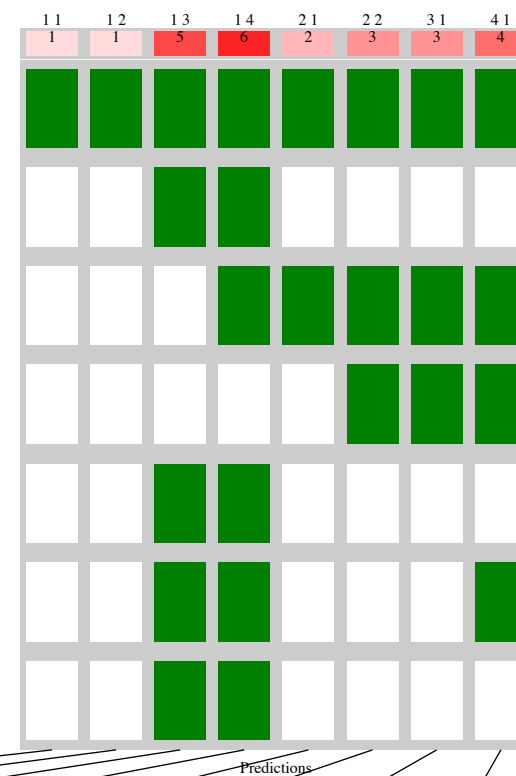
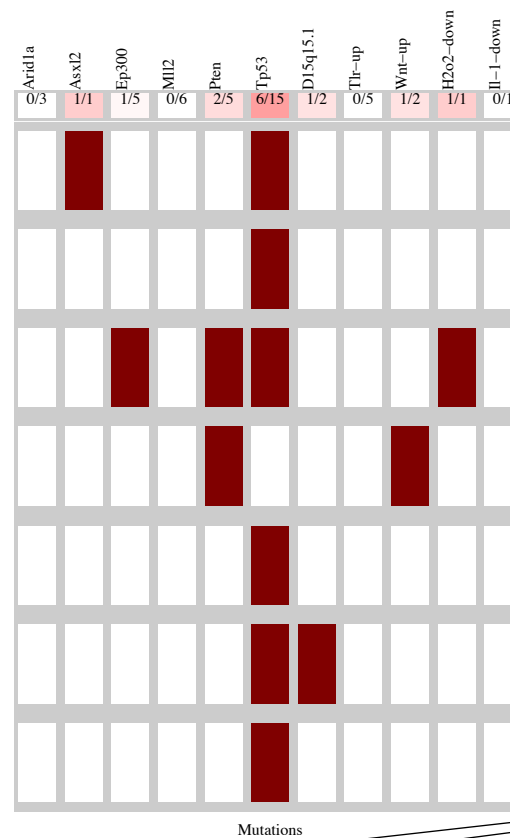
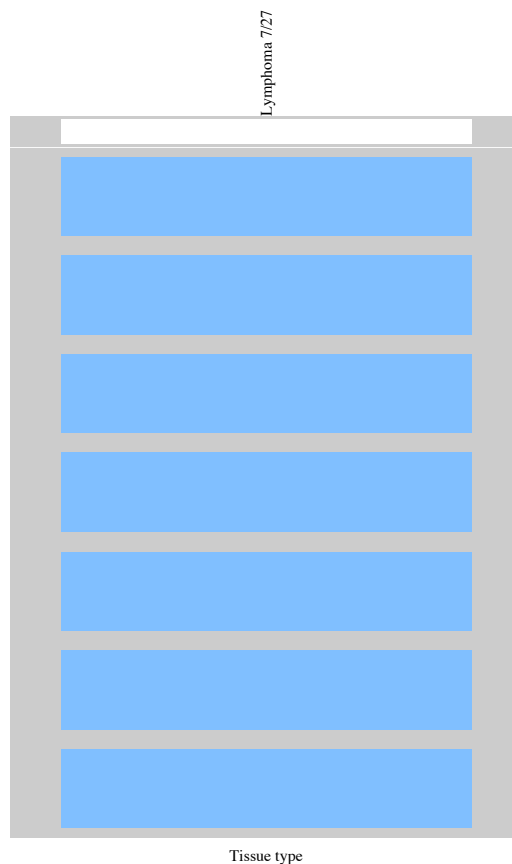
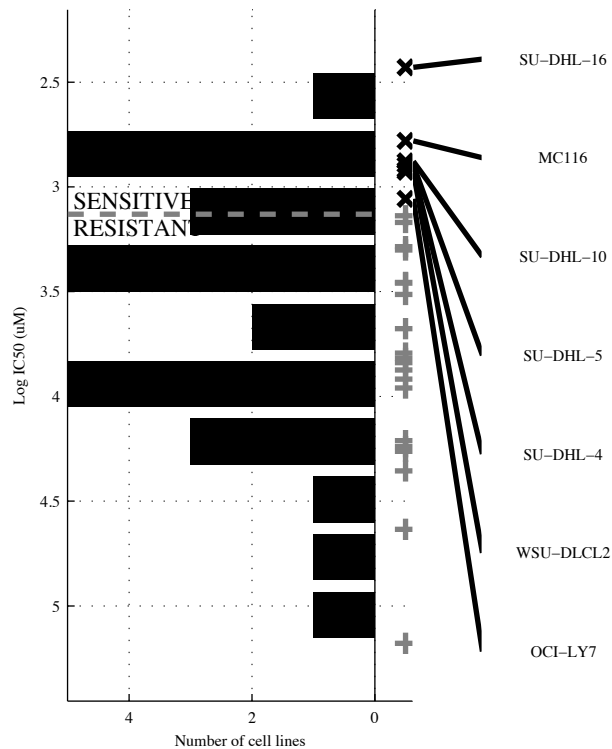
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>MYC</b>	<b>d10p12 &amp; TLR-UP</b>	<b>-ASXL2 &amp; d10p12 &amp; -TLR-UP</b>	<b>-MLL2 &amp; -PTEN &amp; TP53 &amp; TLR-UP</b>	<b>MYC   Wnt-UP</b>	<b>[ MYC &amp; Wnt-UP ]   [ CREBBP &amp; MAPK P ]</b>	<b>MYC   Wnt-UP   H2O2-D</b>	<b>MYC   Wnt-UP   H2O2-D  </b>
TP   FP Specificity	1   1 0.96	1   0 1	1   0 1	3   4 0.83	2   2 0.92	2   1 0.96	3   2 0.92	3   2 0.92
FN   TN Precision	6   23 0.5	6   24 1	6   24 1	4   20 0.43	5   22 0.5	5   23 0.67	4   22 0.6	4   22 0.6
Recall	0.14	0.14	0.14	0.43	0.29	0.29	0.43	0.43





DLBC  
 id: 1067 name: CCT007093  
 target: PPM1D class: other

27 cell lines  
 7 sensitive

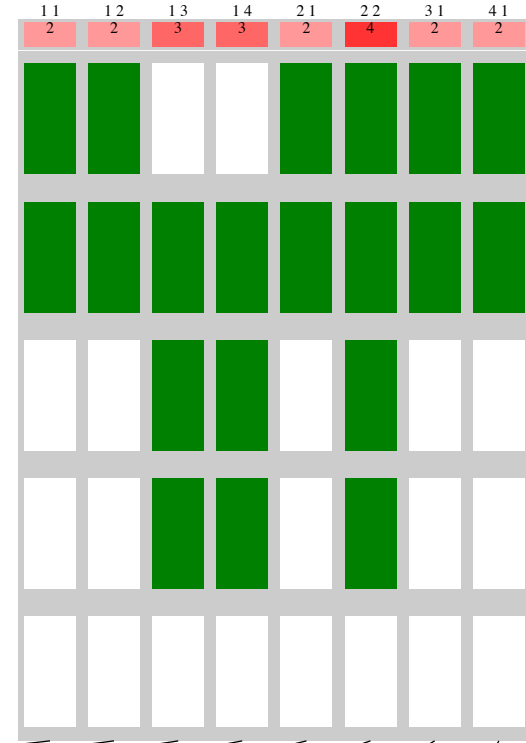
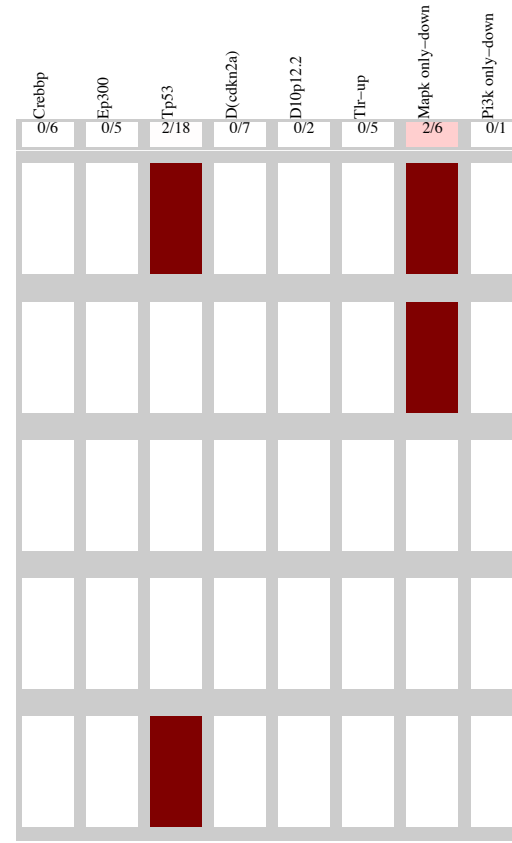
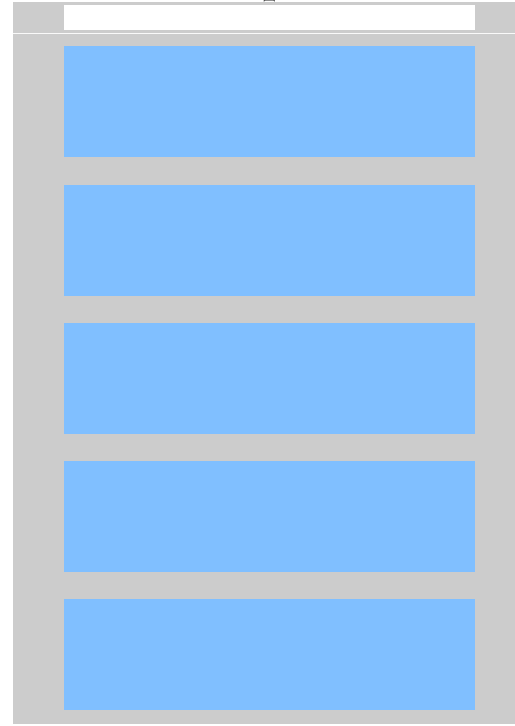
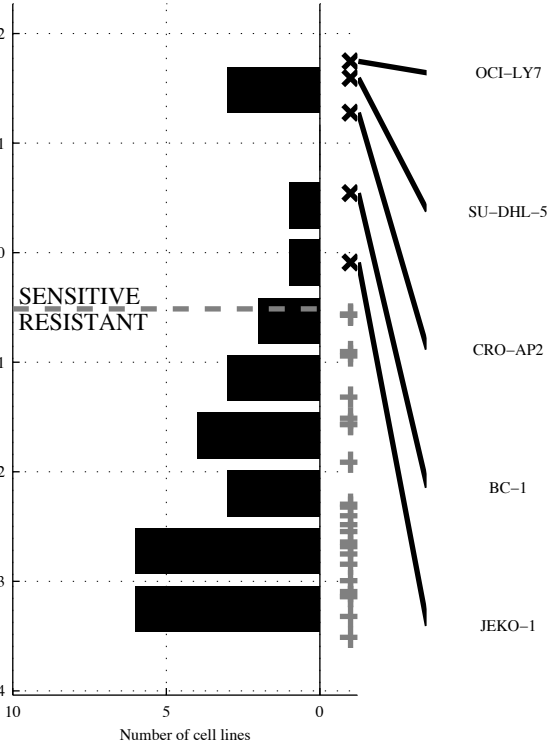


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>ASXL2</b>	<b>ASXL2 &amp; -EP300</b>	<b>-PTEN &amp; TP53 &amp; -TLR-UP</b>	<b>-ARID1 &amp; -MLL2 &amp; TP53 &amp; TLR-UP</b>	<b>ASXL2   H2O2-D</b>	<b>[ ASXL2 &amp; TLR-UP ]   [ PTEN &amp; IL-1-D ]</b>	<b>ASXL2   Wnt-UP   H2O2-D</b>	<b>ASXL2   d15q15   Wnt-UP   H2O2-D</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{6} \mid \frac{0}{20}$ 1 0.14	$\frac{1}{6} \mid \frac{0}{20}$ 1 0.14	$\frac{5}{2} \mid \frac{4}{16}$ 0.8 0.56 0.71	$\frac{6}{1} \mid \frac{4}{16}$ 0.8 0.6 0.86	$\frac{2}{5} \mid \frac{0}{20}$ 1 0.29	$\frac{3}{4} \mid \frac{2}{18}$ 0.9 0.6 0.43	$\frac{3}{4} \mid \frac{1}{19}$ 0.95 0.75 0.43	$\frac{4}{3} \mid \frac{2}{18}$ 0.9 0.67 0.57

DLBC  
 id: 1192 name: GSK269962A  
 target: ROCK1, ROCK2 class: cytoskeleton

29 cell lines  
 5 sensitive

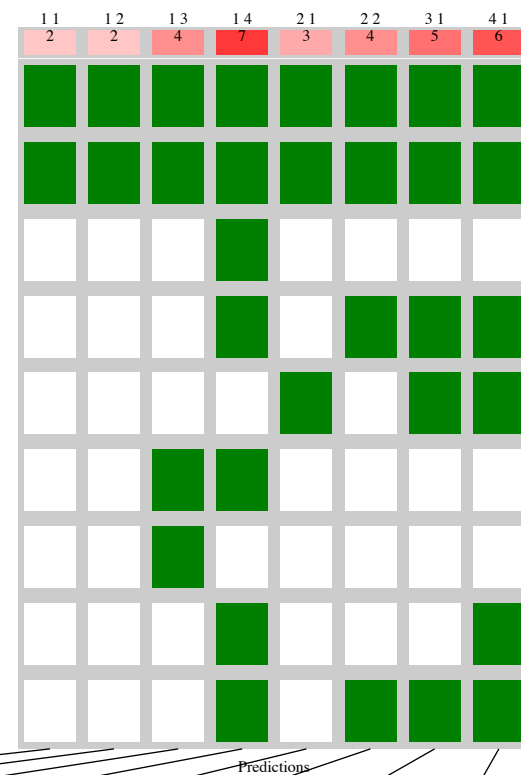
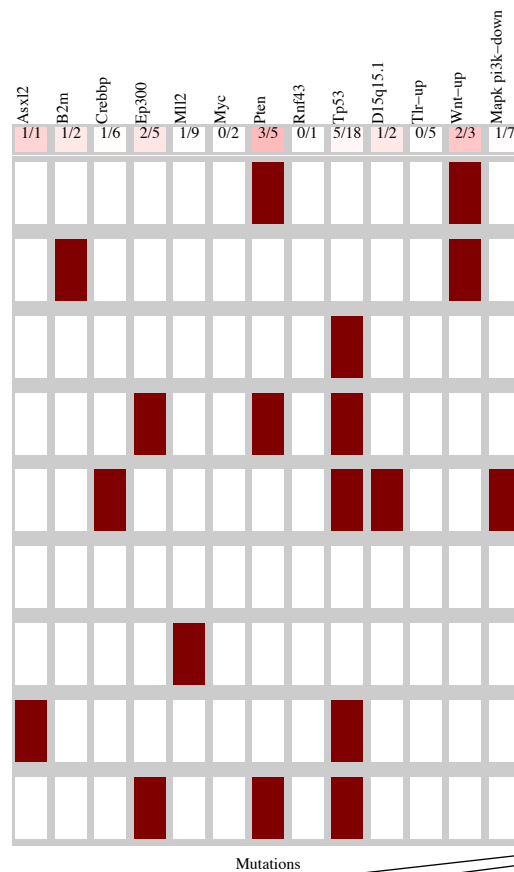
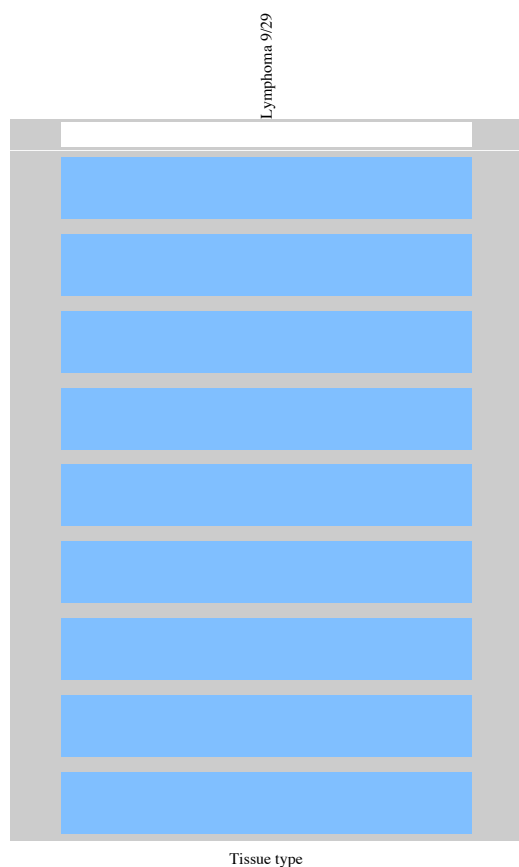
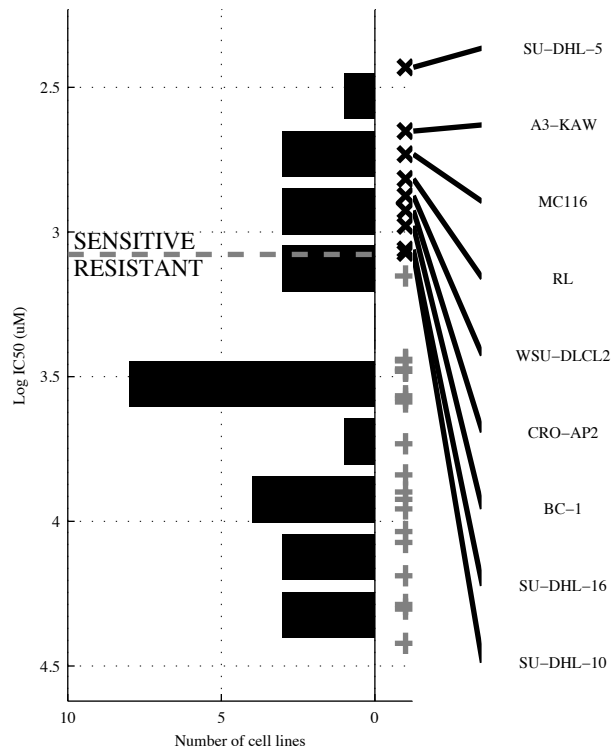
Lymphoma 5/29



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	M															
Logic formula	<b>MAPK o</b>		<b>-CREBBP &amp; MAPK o</b>		<b>-TP53 &amp; d(CDKN)</b>		<b>-TP53 &amp; d(CDKN)</b>		<b>MAPK o</b>		<b>[ -TP53 &amp; d(CDKN) ]</b>		<b>MAPK o</b>		<b>MAPK o</b>	
					<b>-d10p12</b>		<b>-TLR-UP &amp; -PI3K o</b>				<b>[ -EP300 &amp; MAPK o ]</b>					
TP   FP	2   4	0.83	2   1	0.96	3   1	0.96	3   0	1	2   4	0.83	4   2	0.92	2   4	0.83	2   4	0.83
FN   TN	3   20	0.33	3   23	0.67	2   23	0.75	2   24	1	3   20	0.33	1   22	0.67	3   20	0.33	3   20	0.33
Recall	0.4		0.4		0.6		0.6		0.4		0.8		0.4		0.4	

DLBC  
 id: 1194 name: SB-505124  
 target: TGFR1 (ALK5) class: other

29 cell lines  
 9 sensitive

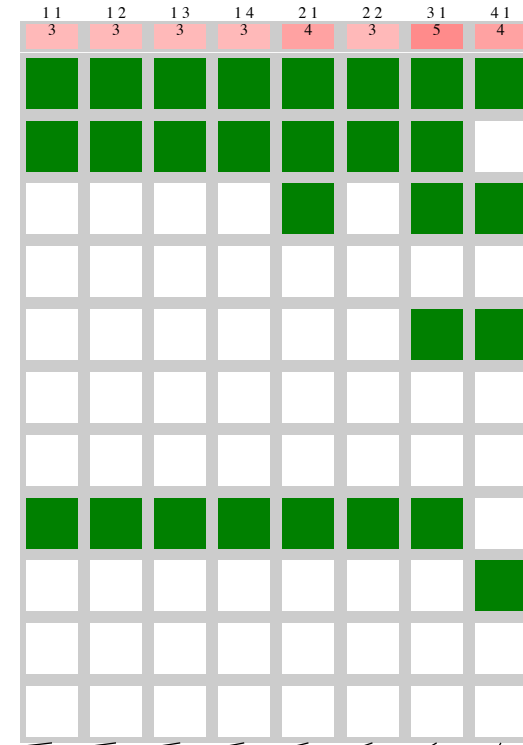
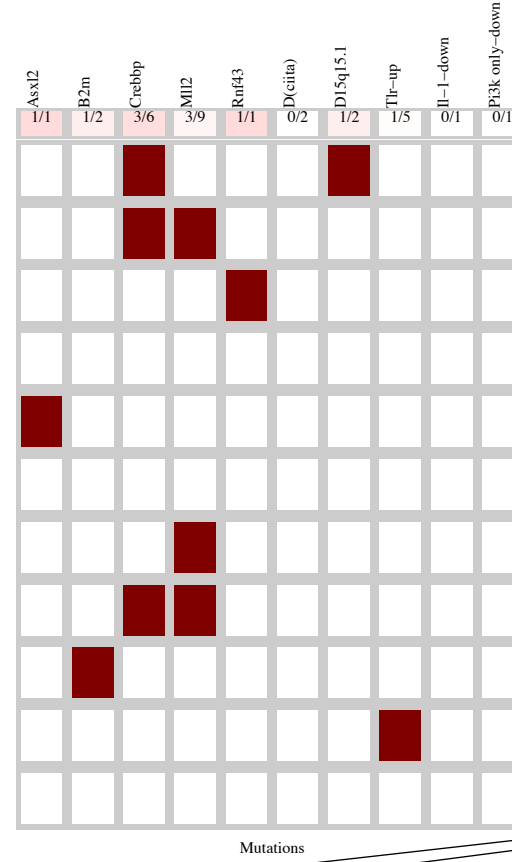
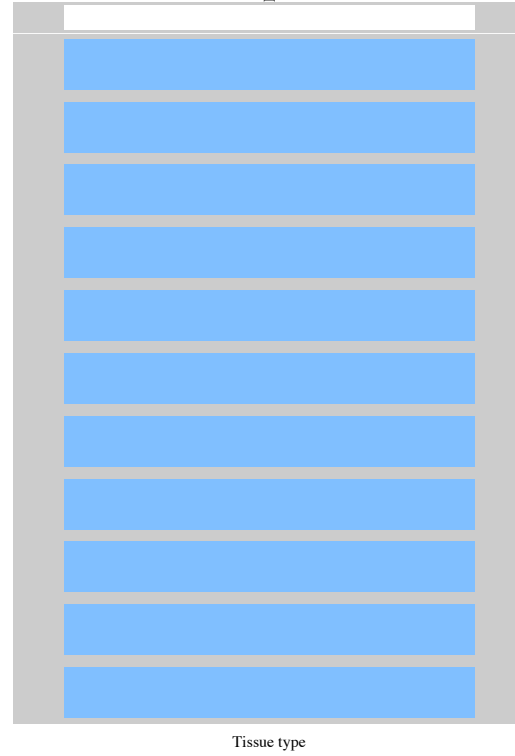
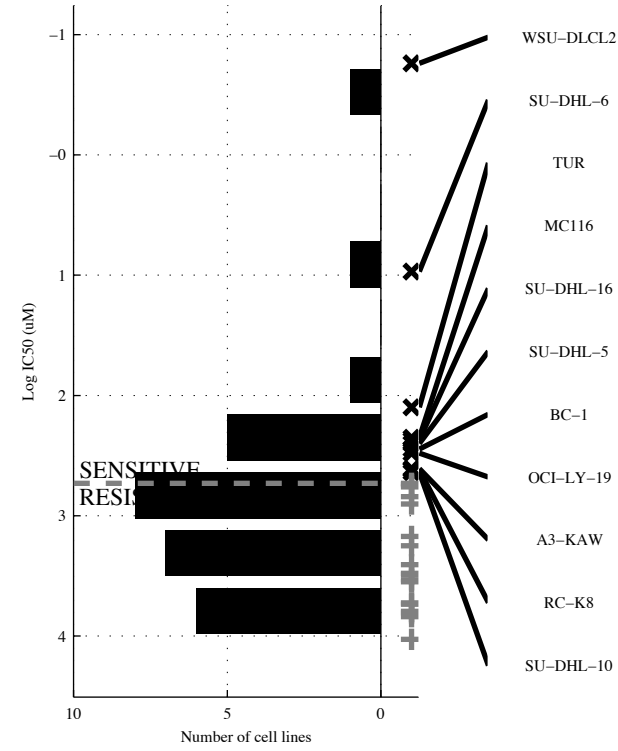


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>Wnt-UP</b>	<b>-MYC &amp; Wnt-UP</b>	<b>-CREBB &amp; -TP53 &amp; -TLR-UP</b>	<b>-MLL2 &amp; -RNF43 &amp; -TLR-UP &amp; MAPK P</b>	<b>d15q15   Wnt-UP</b>	<b>[ CREBB &amp; EP300 ]   [ -TP53 &amp; Wnt-UP ]</b>	<b>B2M   PTEN   d15q15</b>	<b>ASXL2   B2M   PTEN   d15q15</b>
TP   FP	2   1	2   0	4   2	7   4	3   2	4   0	5   3	6   3
Specificity	0.95	1	0.9	0.8	0.9	1	0.85	0.85
FN   TN	7   19	7   20	5   18	2   16	6   18	5   20	4   17	3   17
Precision	0.67	1	0.67	0.64	0.6	1	0.63	0.67
Recall	0.22	0.22	0.44	0.78	0.33	0.44	0.56	0.67

DLBC  
id: 1199 name: Tamoxifen  
target: ER class: other

29 cell lines  
11 sensitive

Lymphoma 11/29

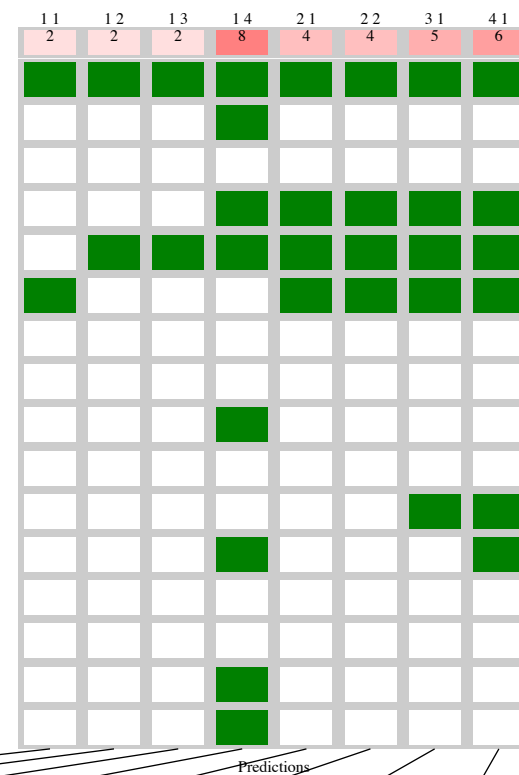
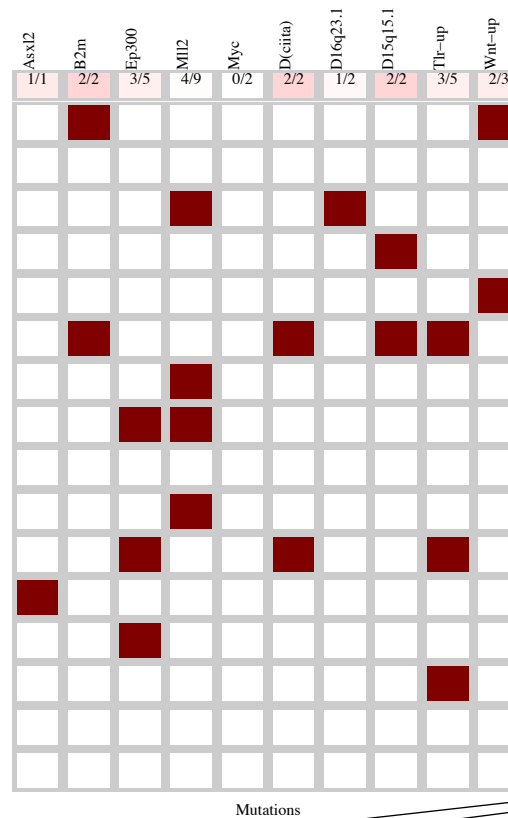
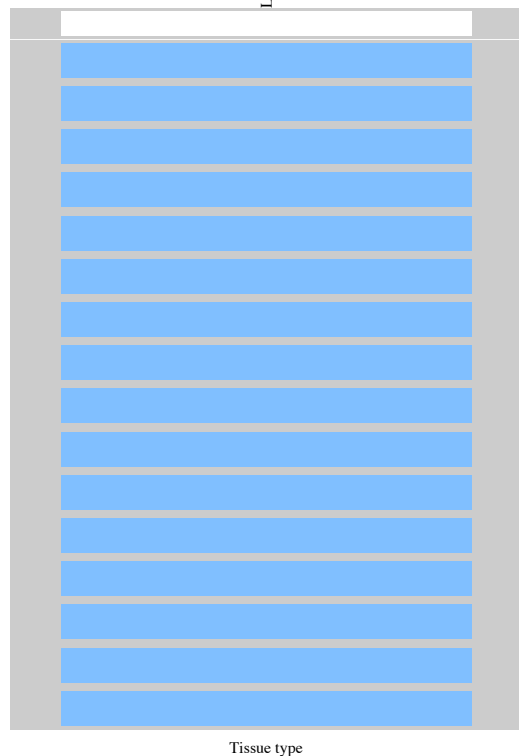
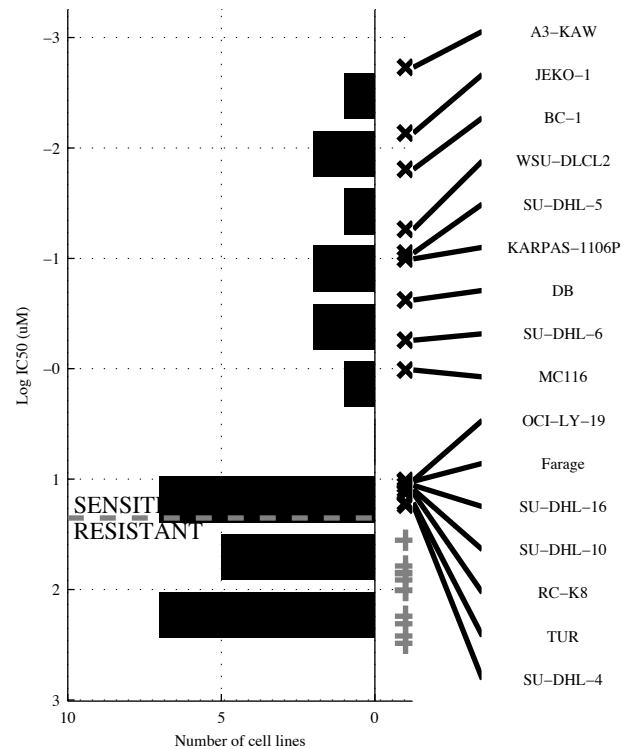


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>CREBBP</b>	<b>CREBBP &amp; PI3K o</b>	<b>CREBBP &amp; IL-1-D &amp; PI3K o</b>	<b>CREBBP &amp; d(CIT) &amp; IL-1-D &amp; PI3K o</b>	<b>CREBBP   RNF43</b>	<b>[ d15q15 &amp; TLR-UP ]   [ CREBBP &amp; MLL2 ]</b>	<b>ASXL2   CREBBP   RNF43</b>	<b>ASXL2   B2M   RNF43   d15q15</b>
TP   FP	3   3	3   2	3   1	3   0	4   3	3   0	5   3	4   1
Specificity	0.83	0.89	0.94	1	0.83	1	0.83	0.94
FN   TN	8   15	8   16	8   17	8   18	7   15	8   18	6   15	7   17
Precision	0.5	0.6	0.75	1	0.57	1	0.63	0.8
Recall	0.27	0.27	0.27	0.27	0.36	0.27	0.45	0.36

DLBC  
 id: 1218 name: JQ1  
 target: BRD2, BRD3, BRD4 class: chromatin other

28 cell lines  
 16 sensitive

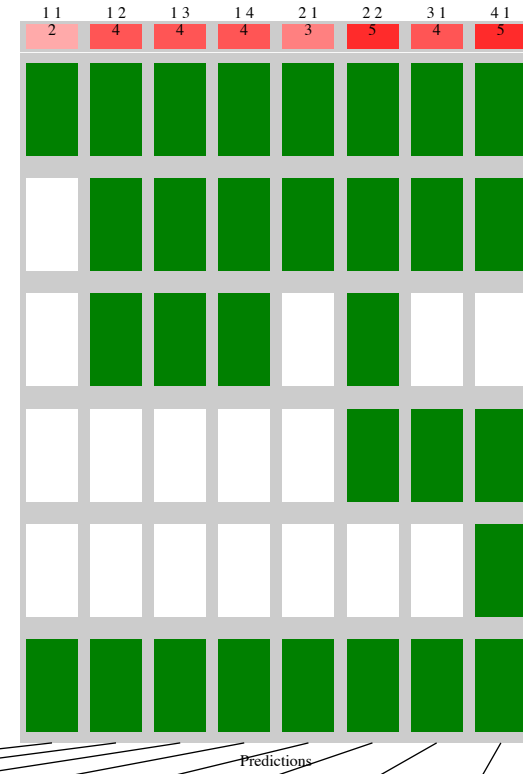
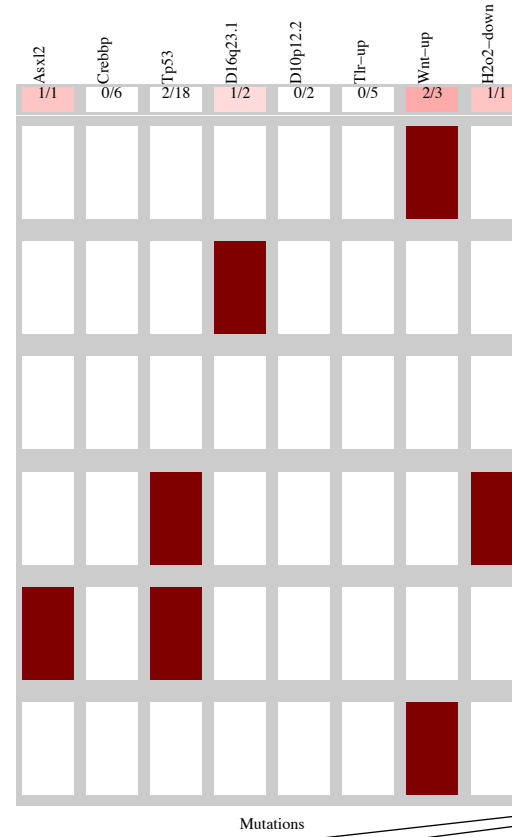
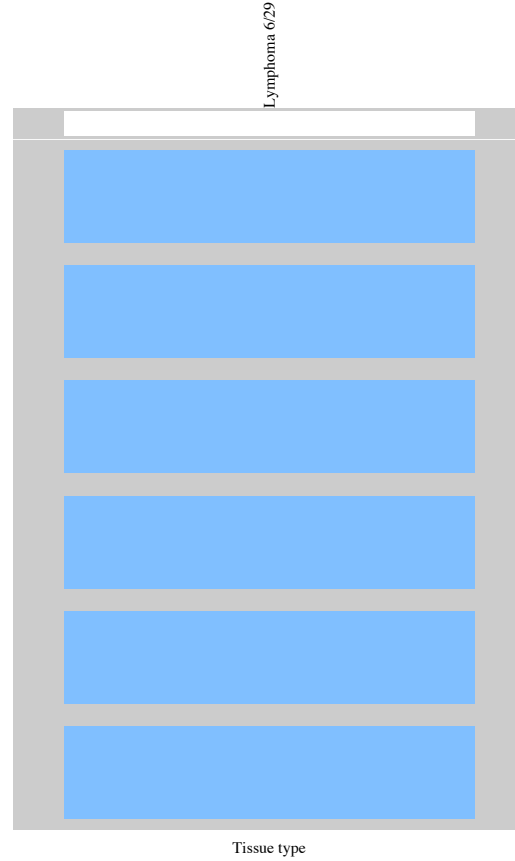
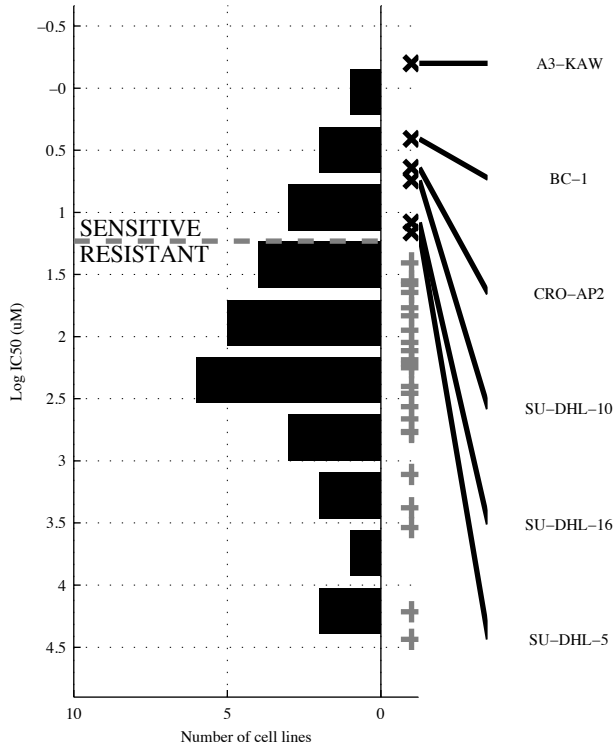
Lymphoma 16/28



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>B2M</b>	<b>¬MYC &amp; Wnt-UP</b>	<b>¬MYC &amp; Wnt-UP &amp;</b>	<b>¬EP300 &amp; ¬MLL2 &amp;</b> <b>¬d16q23 &amp; TLR-UP</b>	<b>d15q15   Wnt-UP</b>	<b>[ d15q15 &amp; ]</b> <b> </b> <b>[ ¬MLL2 &amp; Wnt-UP ]</b>	<b>d(CIT1   d15q15  </b> <b>Wnt-UP</b>	<b>ASXL2   d(CIT1  </b> <b>d15q15   Wnt-UP</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{2}{14} \mid \frac{0}{12} \quad 1$ 0.13	$\frac{2}{14} \mid \frac{0}{12} \quad 1$ 0.13	$\frac{2}{14} \mid \frac{0}{12} \quad 1$ 0.13	$\frac{8}{8} \mid \frac{2}{10} \quad 0.83$ 0.8 0.5	$\frac{4}{12} \mid \frac{1}{11} \quad 0.92$ 0.8 0.25	$\frac{4}{12} \mid \frac{0}{12} \quad 1$ 1 0.25	$\frac{5}{11} \mid \frac{1}{11} \quad 0.92$ 0.83 0.31	$\frac{6}{10} \mid \frac{1}{11} \quad 0.92$ 0.86 0.38

DLBC  
 id: 1219 name: PFI-1  
 target: BRD2, BRD3, BRD4 class: chromatin other

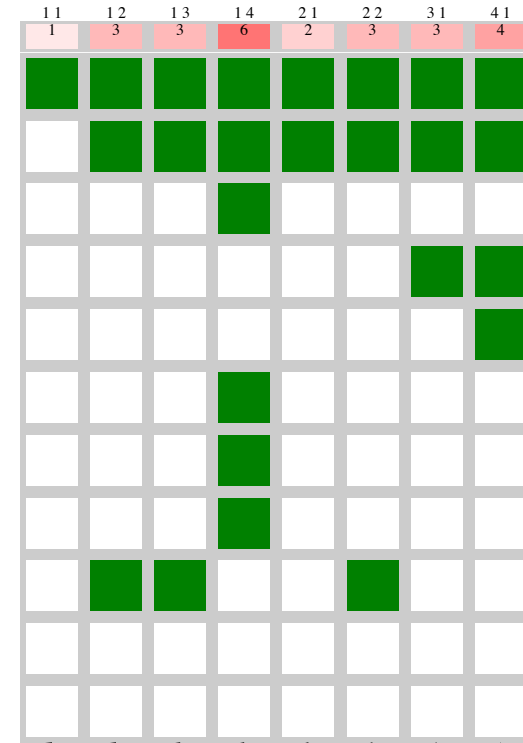
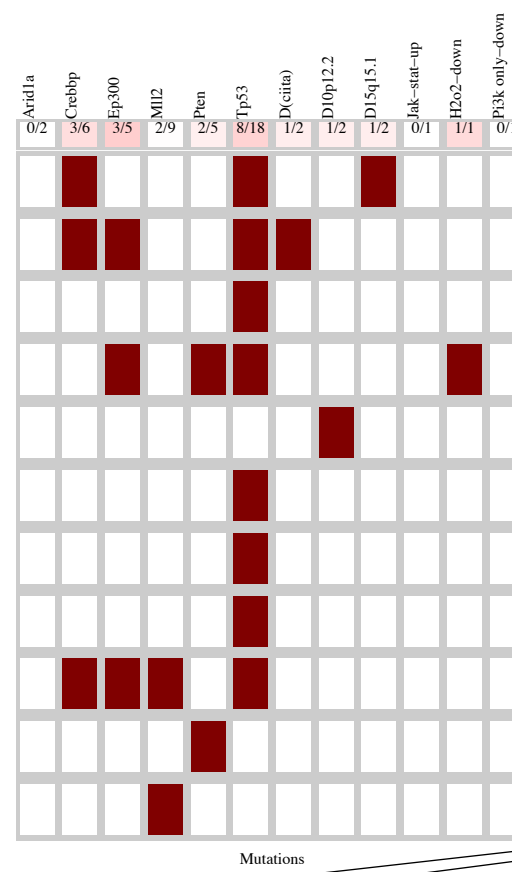
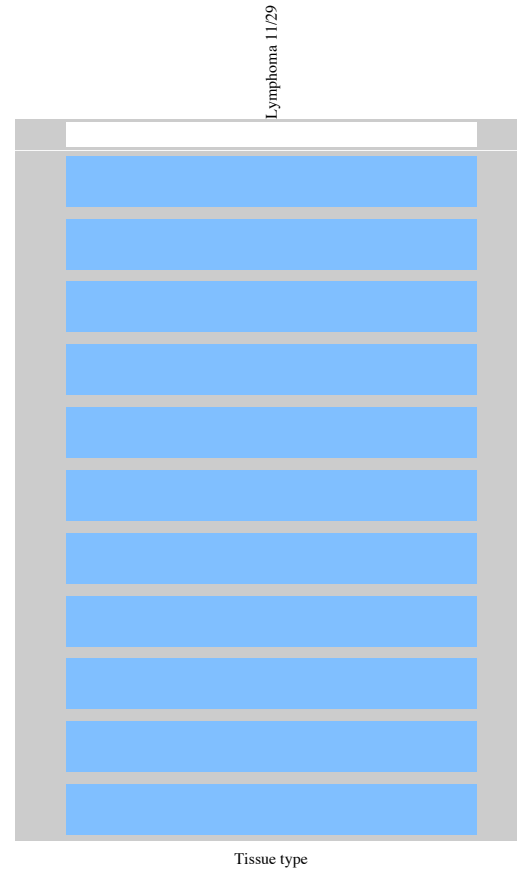
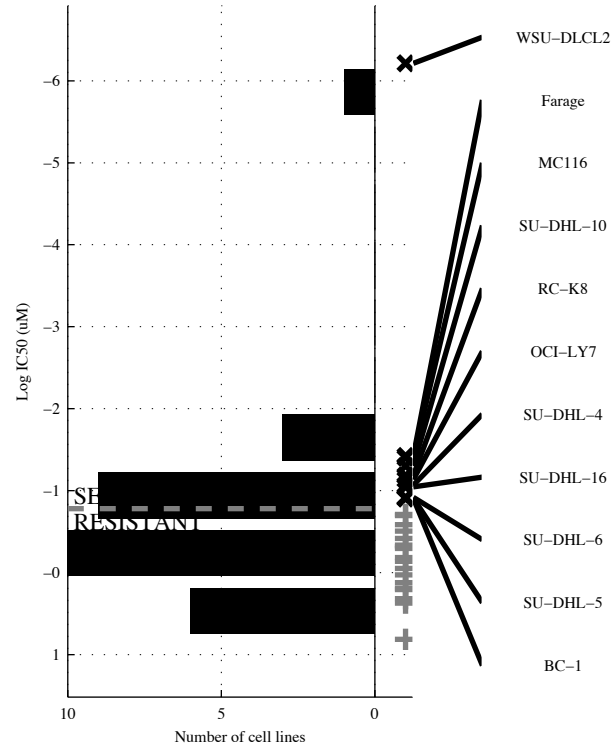
29 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>Wnt-UP</b>	<b>-TP53 &amp; TLR-UP</b>	<b>-CREBBP &amp; -TP53 &amp; -TLR-UP</b>	<b>-CREBBP &amp; -TP53 &amp; -d10p12 &amp; TLR-UP</b>	<b>d16q23   Wnt-UP</b>	<b>[H2O2-D &amp; ]   [-TP53 &amp; TLR-UP]</b>	<b>d16q23   Wnt-UP   H2O2-D</b>	<b>ASXL2   d16q23   Wnt-UP   H2O2-D</b>
TP   FP	2   1	4   4	4   2	4   1	3   2	5   4	4   2	5   2
Specificity	0.96	0.83	0.91	0.96	0.91	0.83	0.91	0.91
FN   TN	4   22	2   19	2   21	2   22	3   21	1   19	2   21	1   21
Precision	0.67	0.5	0.67	0.8	0.6	0.56	0.67	0.71
Recall	0.33	0.67	0.67	0.67	0.5	0.83	0.67	0.83

DLBC  
 id: 1230 name: IOX2  
 target: EGLN1 class: other

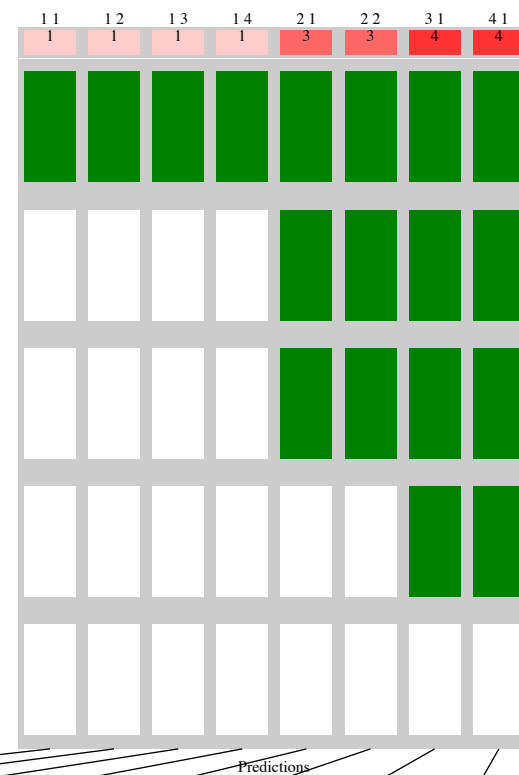
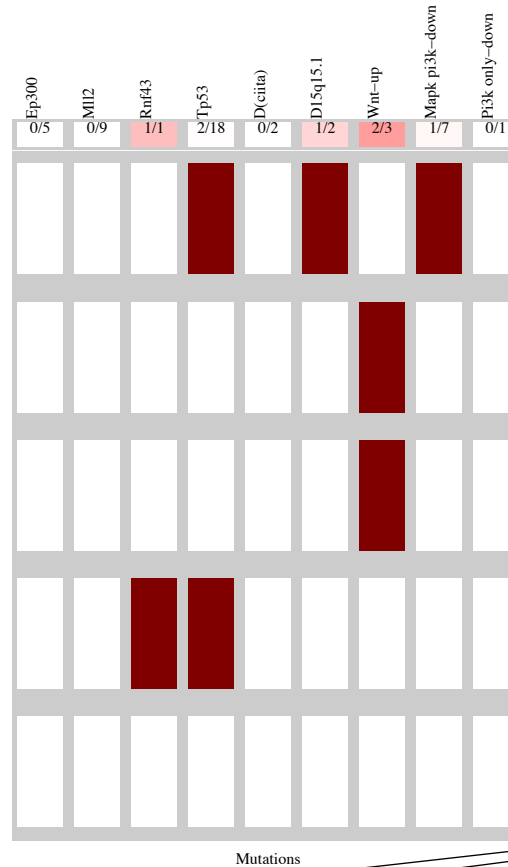
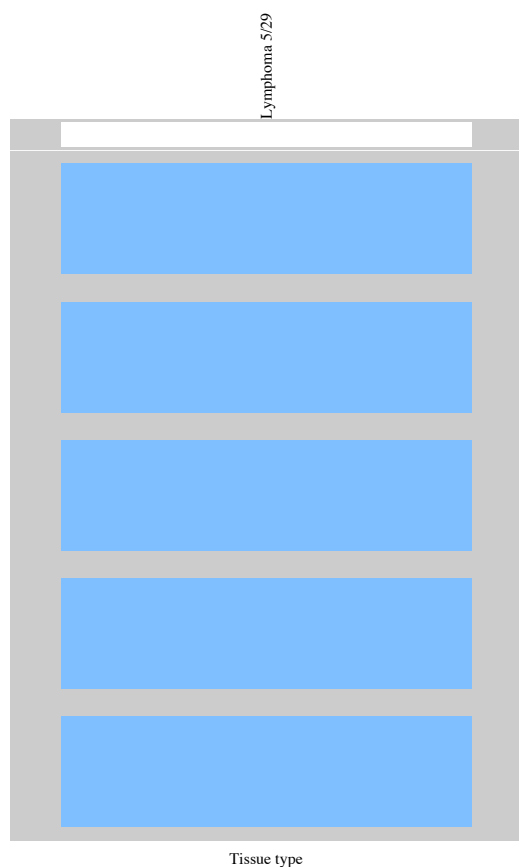
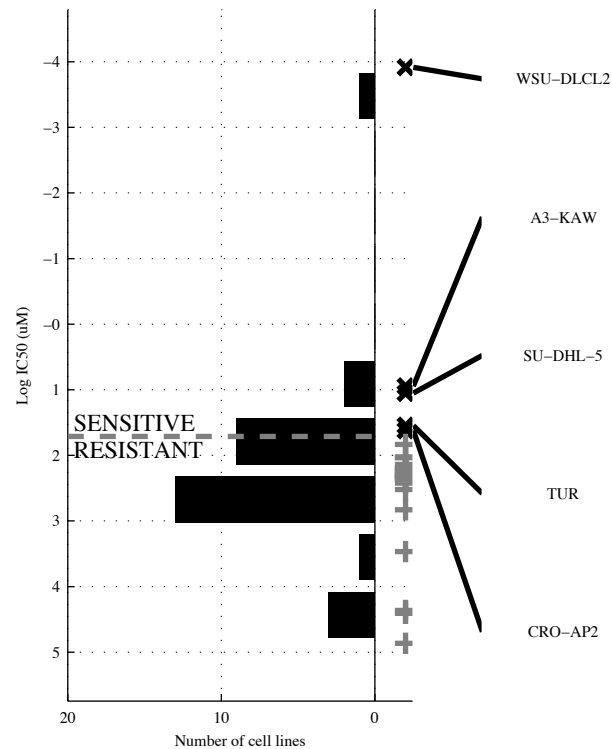
29 cell lines  
 11 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d15q15</b>	<b>-ARID1A &amp; CREBBP</b>	<b>-ARID1A &amp; CREBBP &amp; -PI3K o</b>	<b>-MLL2 &amp; -PTEN &amp; TP53 &amp; JAK-ST</b>	<b>d(CIIT   d15q15</b>	<b>[ CREBBP &amp; d15q15 ]   [ EP300 &amp; -PTEN ]</b>	<b>d(CIIT   d15q15   H2O2-D</b>	<b>d(CIIT   d10p12   d15q15   H2O2-D</b>
TP   FP Specificity	1   1 0.94	3   1 0.94	3   0 1	6   2 0.89	2   1 0.94	3   0 1	3   1 0.94	4   2 0.89
FN   TN Precision	10   17 0.5	8   17 0.75	8   18 1	5   16 0.75	9   17 0.67	8   18 1	8   17 0.75	7   16 0.67
Recall	0.091	0.27	0.27	0.55	0.18	0.27	0.27	0.36

DLBC  
 id: 1236 name: UNC0638  
 target: G9a(EHMT2), GLP(EHMT1) class: chromatin histone methylation

29 cell lines  
 5 sensitive

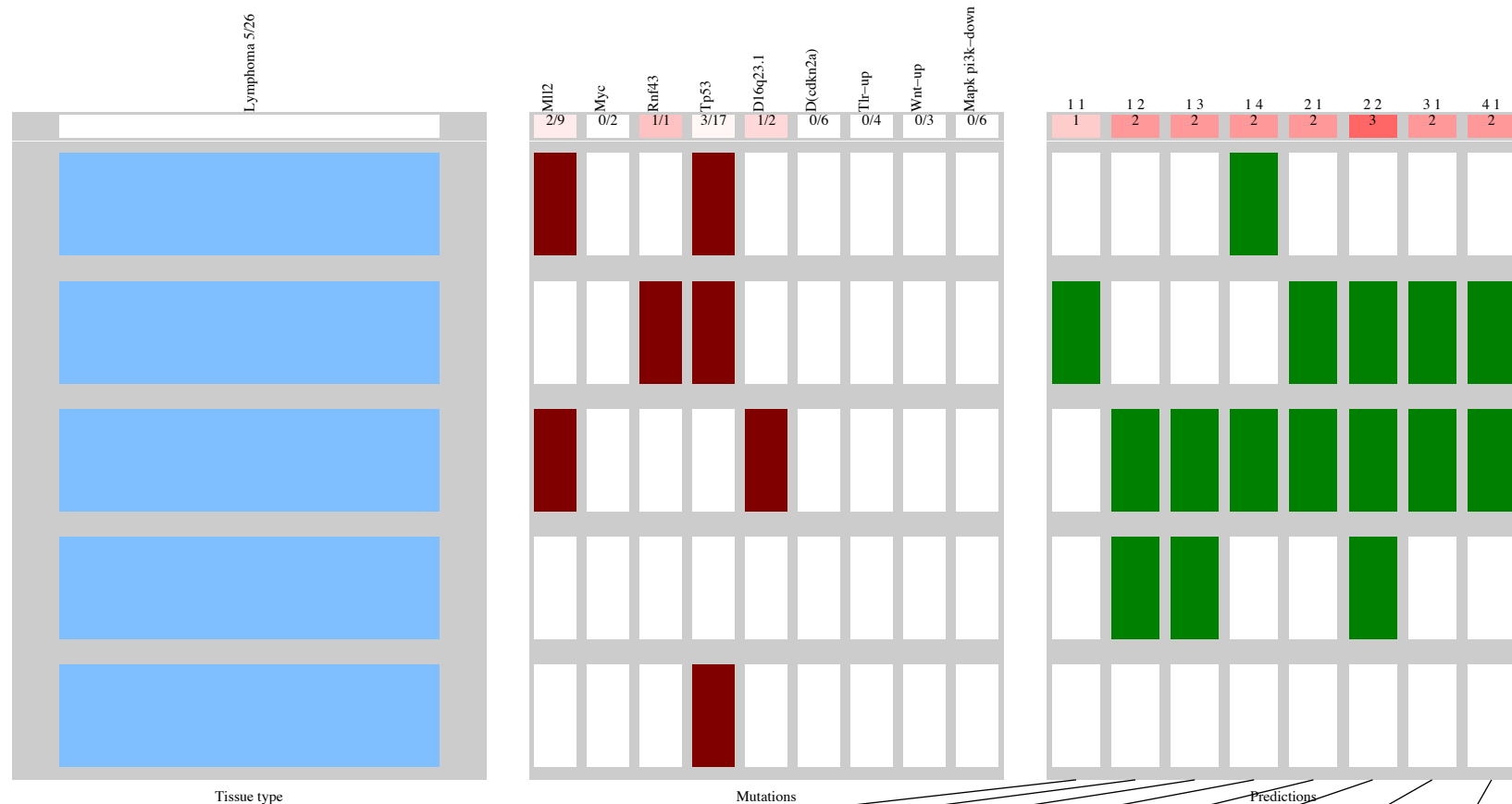
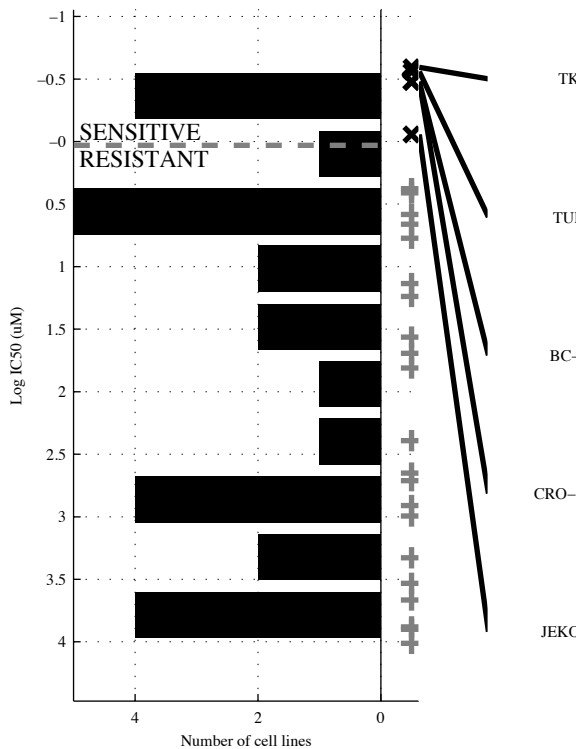


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d15q15</b>	<b>~d(CIT&amp;d15q15</b>	<b>~MLL2&amp;~d(CIT&amp;d15q15</b>	<b>~EP300&amp;~MLL2&amp;MAPK &amp;~PI3K o</b>	<b>d15q15  Wnt-UP</b>	<b>[ TP53 &amp;d15q15 ]   [-TP53 &amp;Wnt-UP]</b>	<b>RNF43   d15q15   Wnt-UP</b>	<b>RNF43   d15q15   Wnt-UP </b>
TP   FP	1   1	1   1	1   1	1   1	3   2	3   0	4   2	4   2
FN   TN	4   23	4   24	4   24	4   24	2   22	2   24	1   22	1   22
Specificity	0.96	1	1	1	0.92	1	0.92	0.92
Precision	0.5	1	1	1	0.6	1	0.67	0.67
Recall	0.2	0.2	0.2	0.2	0.6	0.6	0.8	0.8



DLBC  
 id: 1239 name: YK 4-279  
 target: RNA helicase A class: other

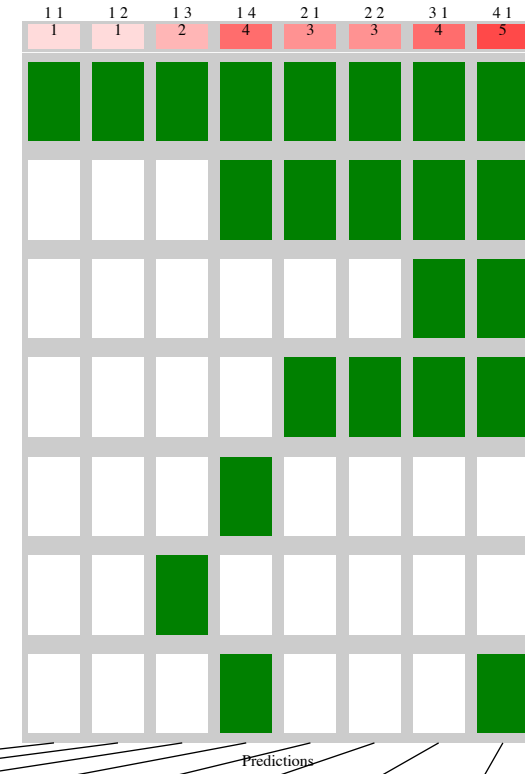
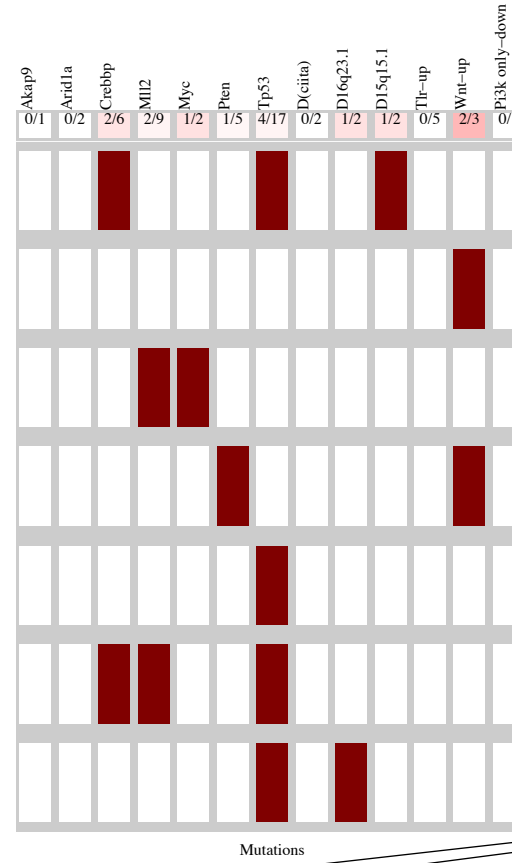
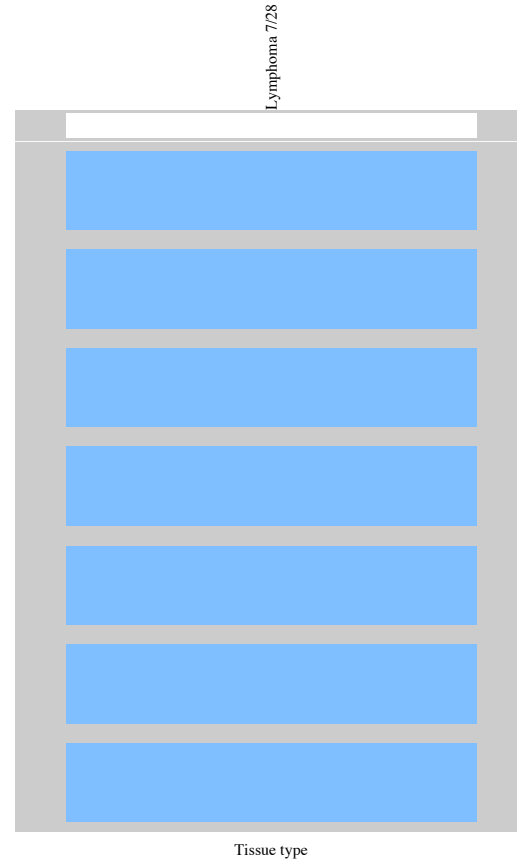
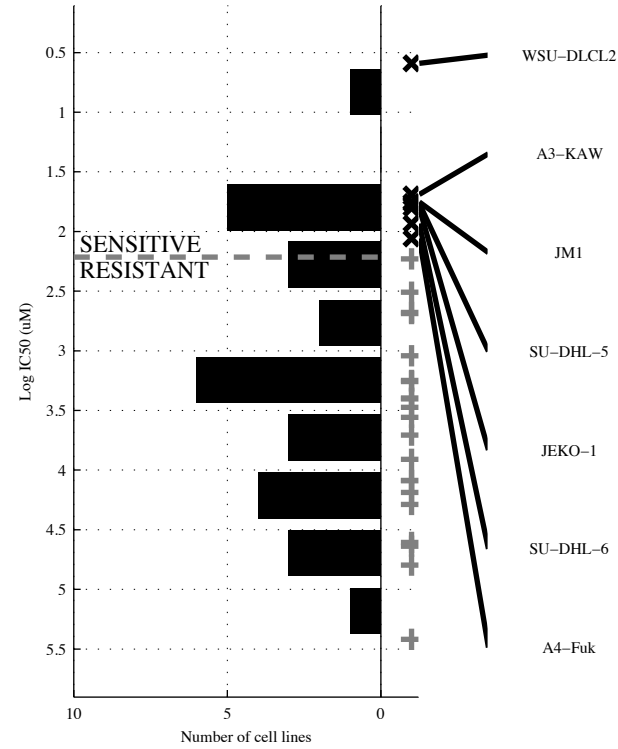
26 cell lines  
 5 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	M															
Logic formula	<b>RNF43</b>		<b>-TP53 &amp; d(CDKN</b>		<b>-TP53 &amp; d(CDKN &amp;</b>		<b>MLL2 &amp; -MYC &amp;</b>		<b>RNF43   d16q23</b>		<b>[ -TP53 &amp; d(CDKN</b>		<b>RNF43   d16q23  </b>		<b>RNF43   d16q23  </b>	
					<b>-TLR-UP</b>		<b>-d(CDKN &amp; MAPK P</b>				<b>[ RNF43 &amp; Wnt-UP</b>					
TP   FP	1   0	1	2   2	0.9	2   1	0.95	2   0	1	2   1	0.95	3   2	0.9	2   1	0.95	2   1	0.95
FN   TN	4   21	1	3   19	0.4	3   20	0.67	3   21	1	3   20	0.67	2   19	0.6	3   20	0.67	3   20	0.67
Specificity																
Precision																
Recall		0.2		0.4		0.4		0.4		0.4		0.6		0.6		0.4

DLBC  
 id: 1241 name: CHIR-99021  
 target: GSK3B class: WNT signaling

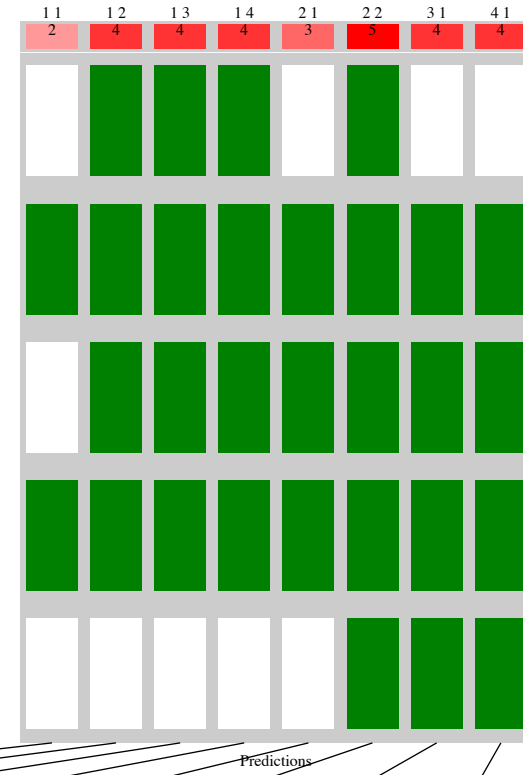
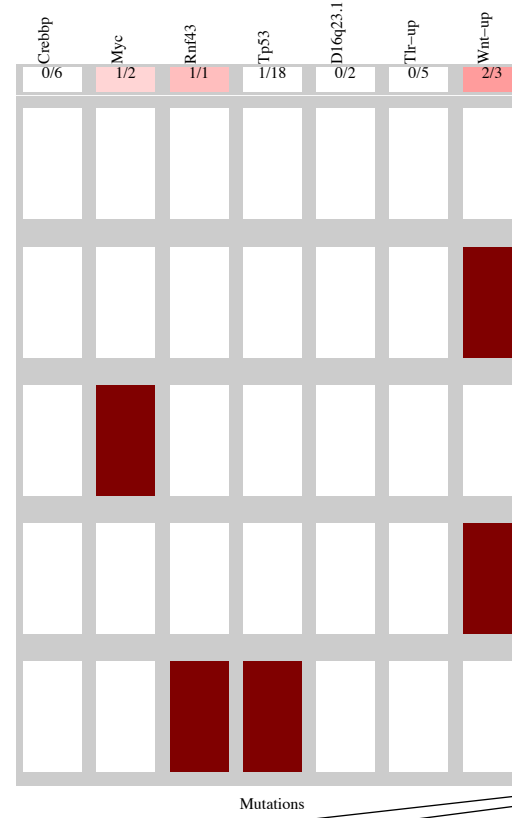
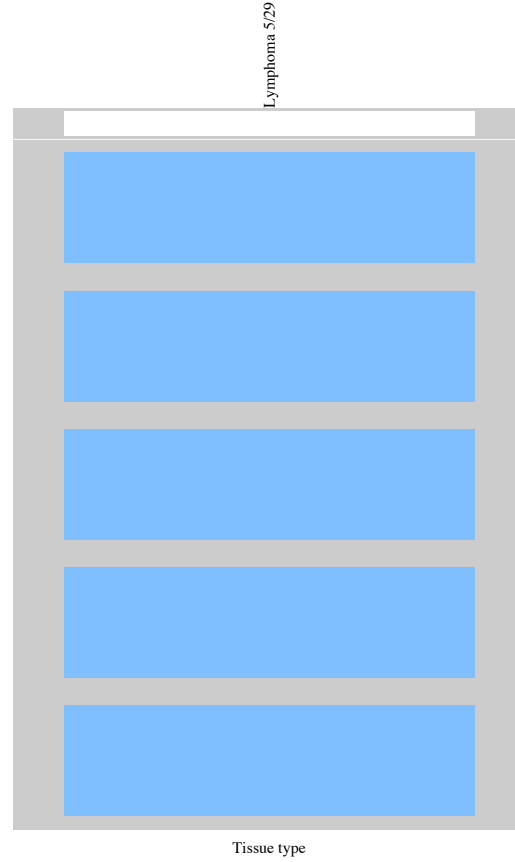
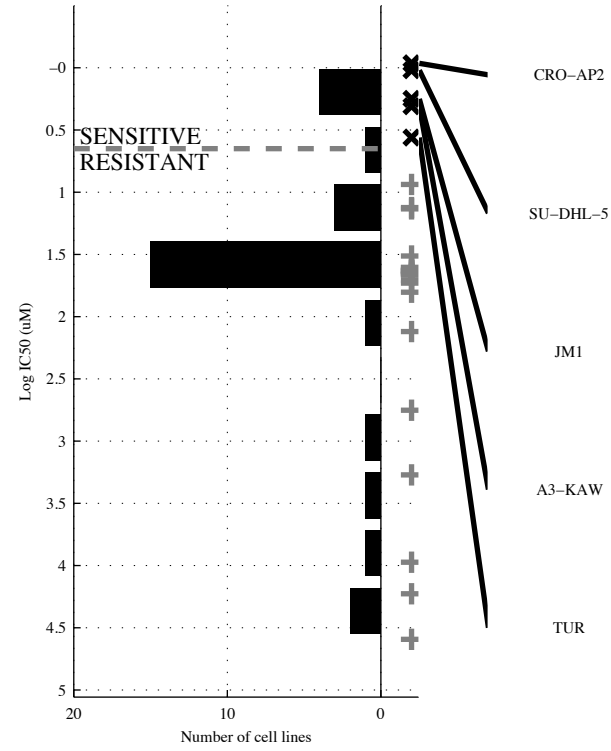
28 cell lines  
 7 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d15q15</b>	<b>~d(CIT1&amp;d15q15)</b>	<b>~ARID1A&amp;CREBBP&amp;TP53</b>	<b>~MLL2&amp;~PTEN&amp;~TLR-UP&amp;~PI3K o</b>	<b>d15q15   Wnt-UP</b>	<b>[~AKAP9&amp;d15q15]   [~MYC &amp; Wnt-UP]</b>	<b>MYC   d15q15   Wnt-UP</b>	<b>MYC   d16q23   d15q15   Wnt-UP</b>
TP   FP	1   1	1   0	2   1	4   4	3   2	3   0	4   2	5   3
Specificity	0.95	1	0.95	0.81	0.9	1	0.9	0.86
FN   TN	6   20	6   21	5   20	3   17	4   19	4   21	3   19	2   18
Precision	0.5	1	0.67	0.5	0.6	1	0.67	0.63
Recall	0.14	0.14	0.29	0.57	0.43	0.43	0.57	0.71

DLBC  
 id: 1243 name: piperlongumine  
 target: Increases ROS levels class: other

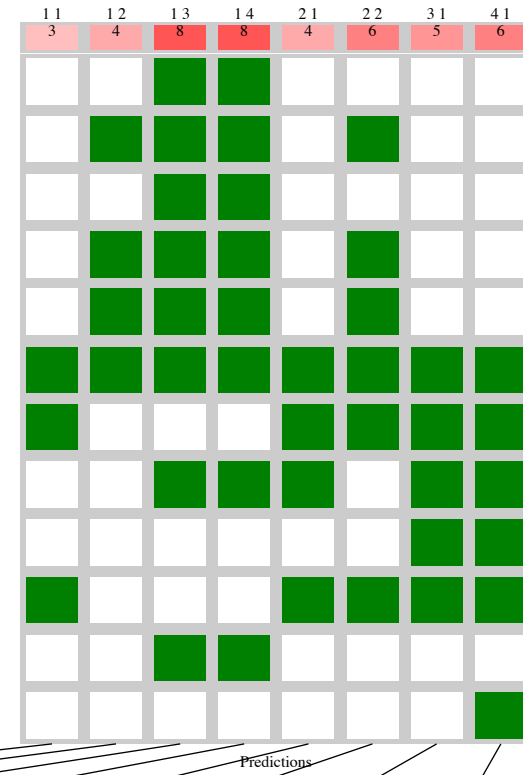
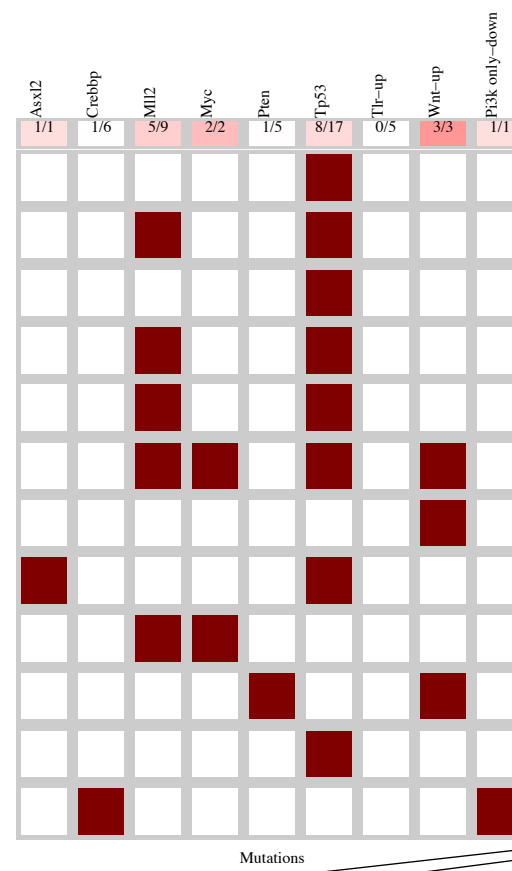
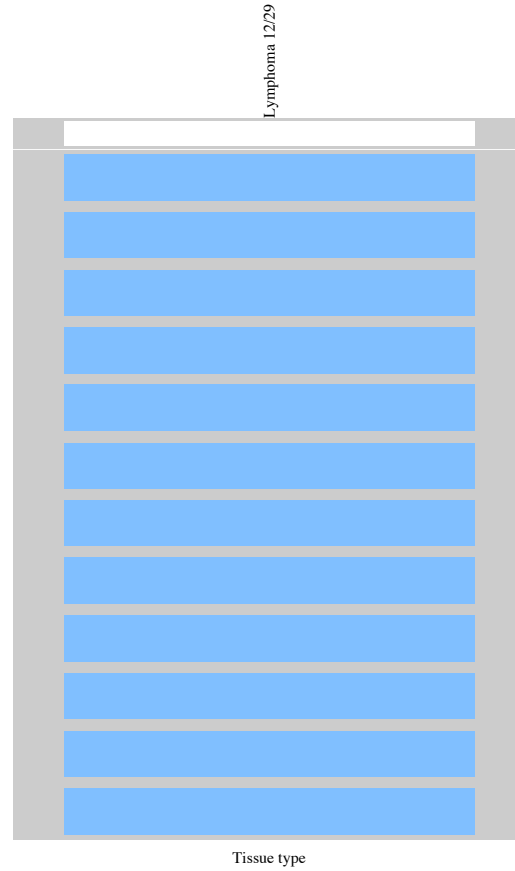
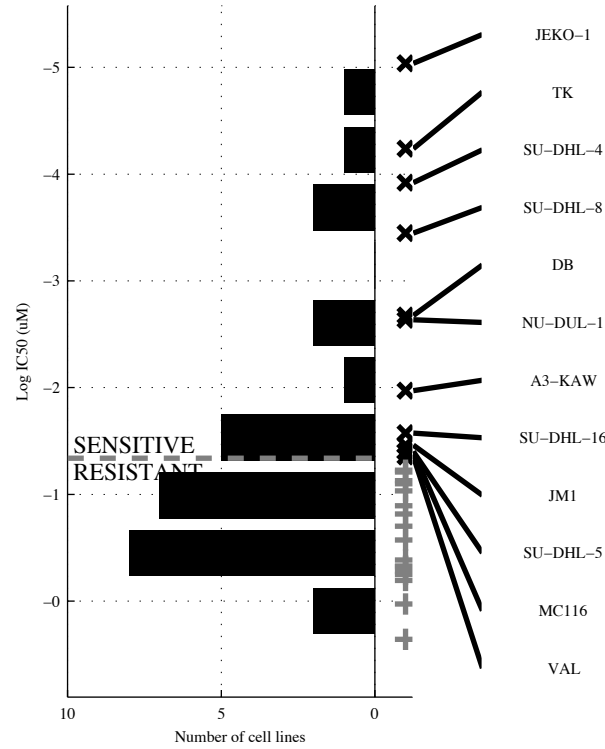
29 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>Wnt-UP</b>	<b>-TP53 &amp; TLR-UP</b>	<b>-CREBBP &amp; -TP53 &amp; -TLR-UP</b>	<b>-CREBBP &amp; -TP53 &amp; -d16q23.1 &amp; TLR-UP</b>	<b>MYC   Wnt-UP</b>	<b>[ -TP53 &amp; TLR-UP ]   [ RNF43 &amp; TLR-UP ]</b>	<b>MYC   RNF43   Wnt-UP</b>	<b>MYC   RNF43   Wnt-UP  </b>
TP   FP Specificity	2   1 0.96	4   4 0.83	4   2 0.92	4   1 0.96	3   1 0.96	5   4 0.83	4   1 0.96	4   1 0.96
FN   TN Precision	3   23 0.67	1   20 0.5	1   22 0.67	1   23 0.8	2   23 0.75	0   20 0.56	1   23 0.8	1   23 0.8
Recall	0.4	0.8	0.8	0.8	0.6	1	0.8	0.8

DLBC  
 id: 1261 name: rTRAIL  
 target: TR10A (DR4), TR10B (DR5) class: apoptosis regulation

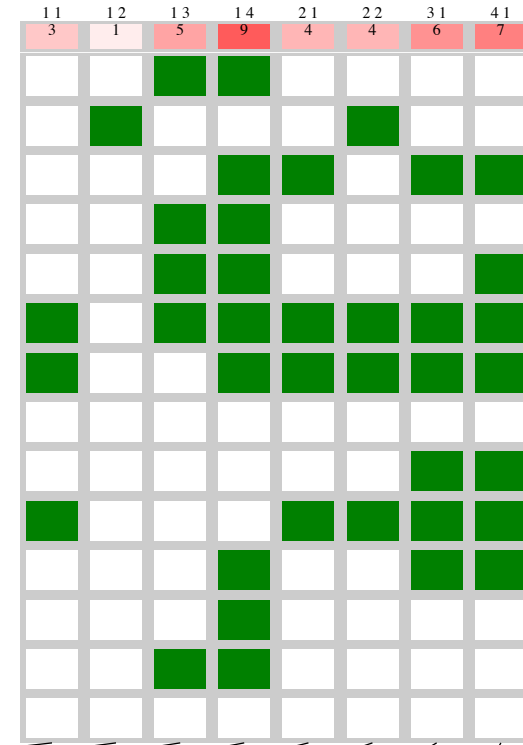
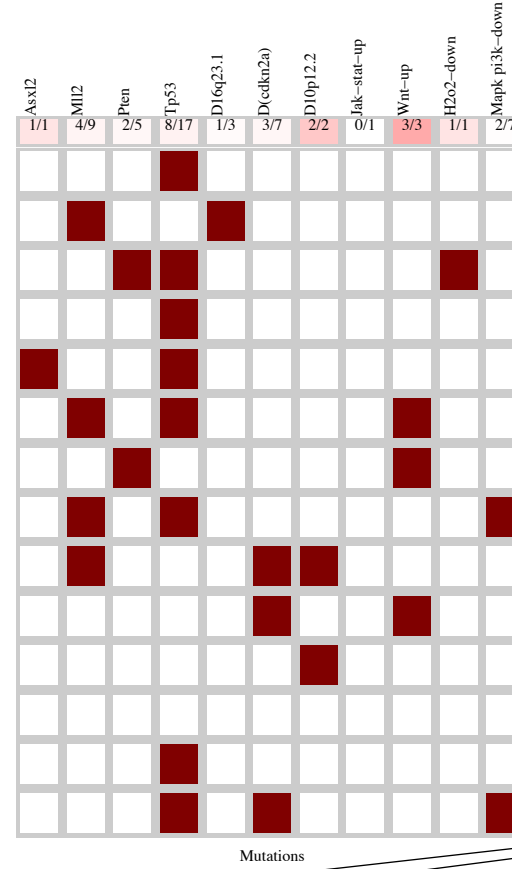
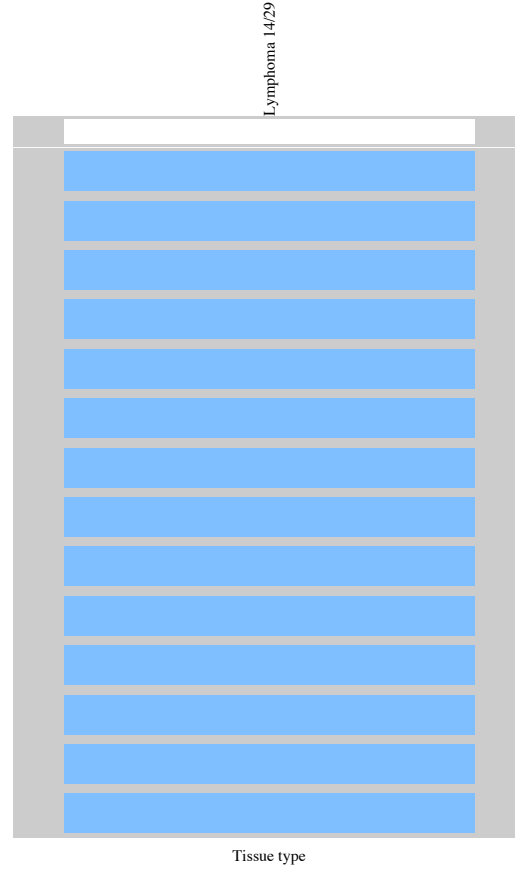
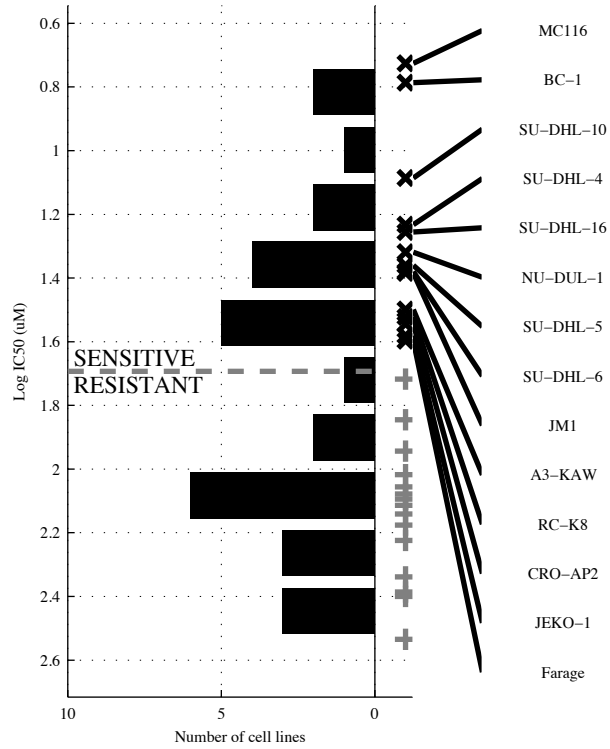
29 cell lines  
 12 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>Wnt-UP</b>	<b>MLL2 &amp; TP53</b>	<b>-CREBB &amp; -PTEN &amp; TP53</b>	<b>-CREBB &amp; -PTEN &amp; TP53 &amp; TLR-UP</b>	<b>ASXL2   Wnt-UP</b>	<b>[ MLL2 &amp; TP53 ]   [TLR-UP &amp; Wnt-UP]</b>	<b>ASXL2   MYC   Wnt-UP</b>	<b>ASXL2   MYC   Wnt-UP   PI3K o</b>
TP   FP	3   0	4   1	8   2	8   1	4   0	6   1	5   0	6   0
Specificity	1	0.94	0.88	0.94	1	0.94	1	1
FN   TN	9   17	8   16	4   15	4   16	8   17	6   16	7   17	6   17
Precision	1	0.8	0.8	0.89	1	0.86	1	1
Recall	0.25	0.33	0.67	0.67	0.33	0.5	0.42	0.5

DLBC  
 id: 1262 name: UNC1215  
 target: LMBL3 class: other

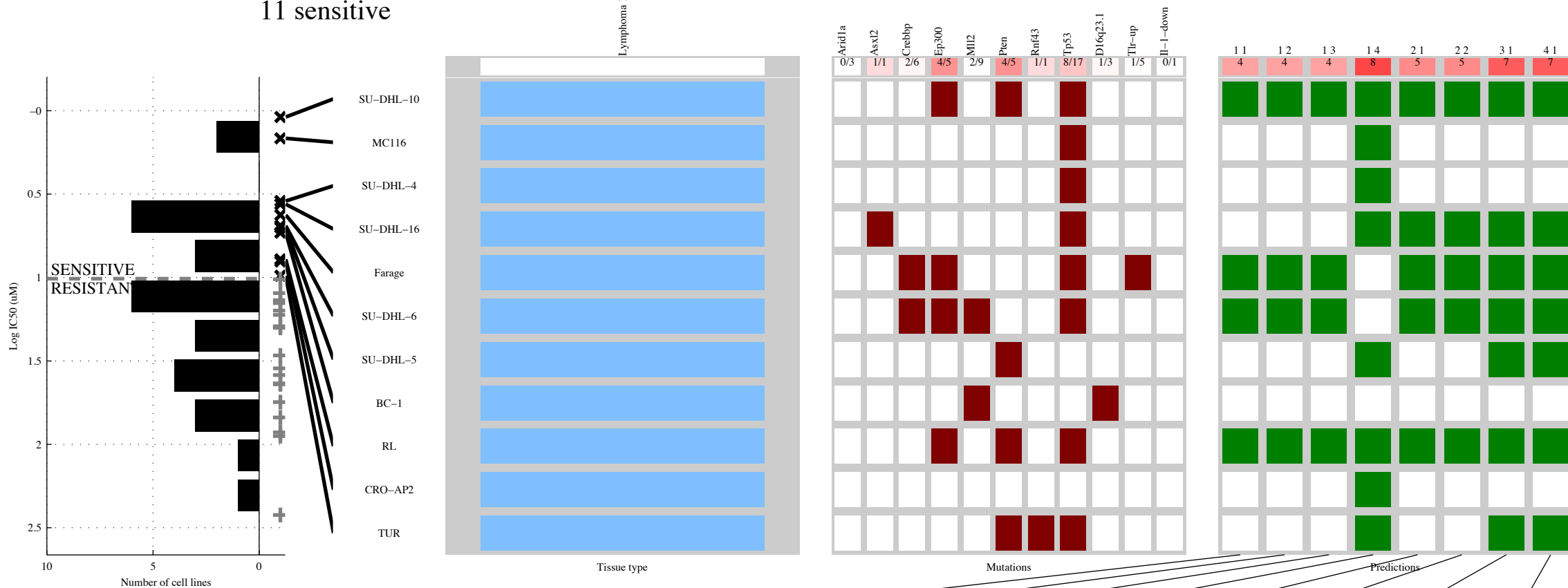
29 cell lines  
 14 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	Wnt-UP	MLL2 & d16q23	¬PTEN & TP53 & ¬MAPK P	¬d16q23 & d(CDK2) ¬JAK-S & MAPK P	Wnt-UP   H2O2-D	[ MLL2 & d16q23 ]   [ Wnt-UP & MAPK P ]	d10p12   Wnt-UP   H2O2-D	ASXL2   d10p12   Wnt-UP   H2O2-D
TP   FP Specificity FN   TN Precision Recall	3   0 1 11   15 1 0.21	1   0 1 13   15 1 0.071	5   3 0.8 9   12 0.63 0.36	9   3 0.8 5   12 0.75 0.64	4   0 1 10   15 1 0.29	4   0 1 10   15 1 0.29	6   0 1 8   15 1 0.43	7   0 1 7   15 1 0.5

DLBC  
 id: 1264 name: SGC0946  
 target: Q8TEK3 (DOT1L) class: chromatin histone methylation

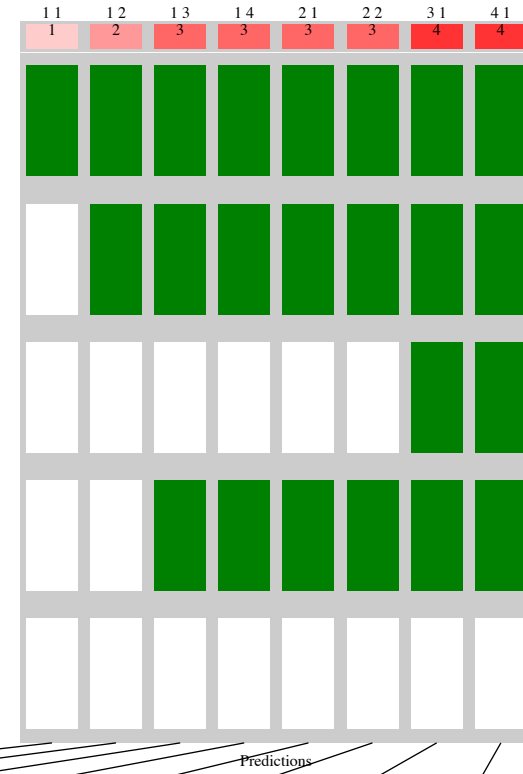
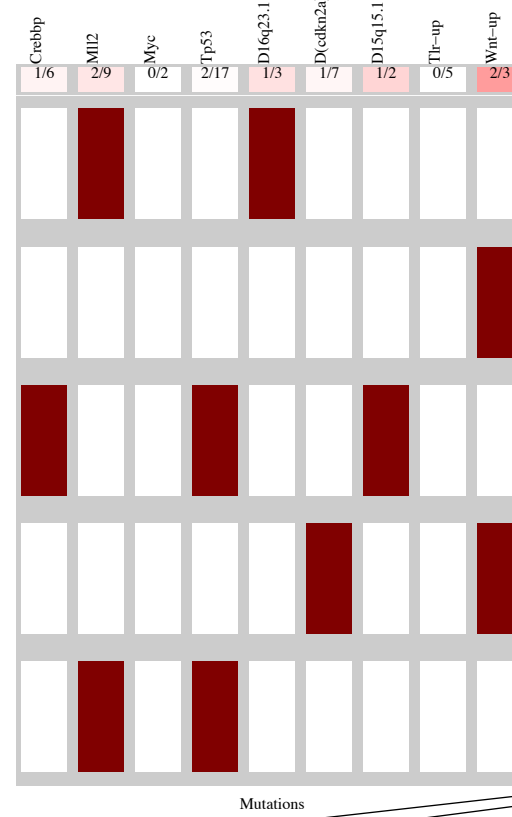
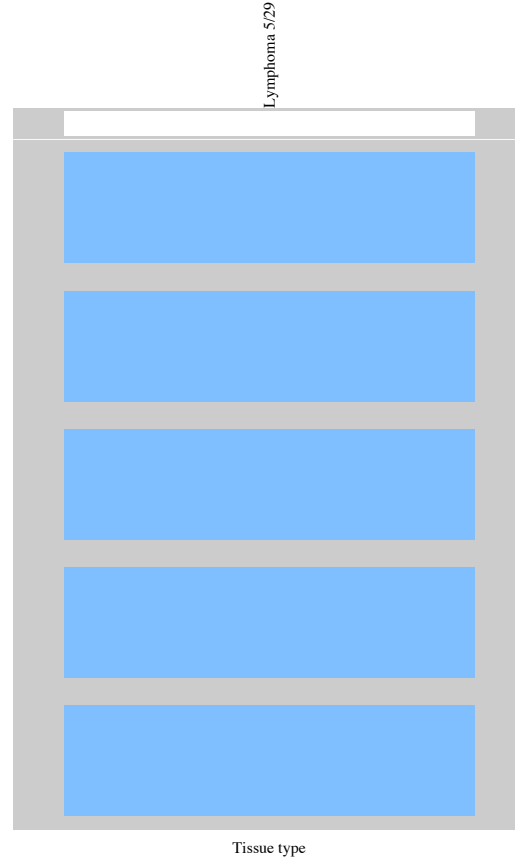
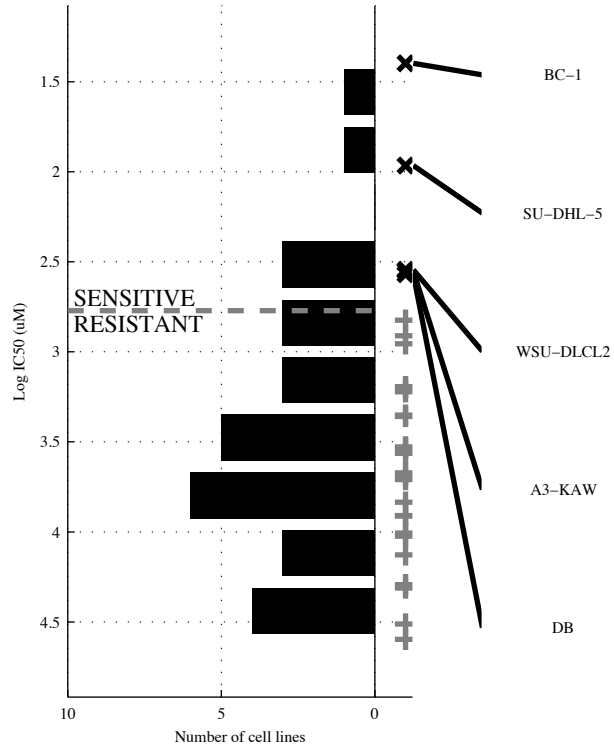
29 cell lines  
 11 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>EP300</b>	<b>-ARID1 &amp; EP300</b>	<b>-ARID1 &amp; EP300 &amp; -d16q23</b>	<b>-CREBB &amp; -MLL2 &amp; -d16q23 &amp; TLR-UP</b>	<b>ASXL2   EP300</b>	<b>[ EP300 &amp; -IL-1-D ]   [ ASXL2 &amp; TP53 ]</b>	<b>ASXL2   EP300   PTEN</b>	<b>ASXL2   EP300   PTEN   RNF43</b>
TP   FP	4   1	4   0	4   0	8   2	5   1	5   0	7   1	7   1
Specificity	0.94	1	1	0.89	0.94	1	0.94	0.94
FN   TN	7   17	7   18	7   18	3   16	6   17	6   18	4   17	4   17
Precision	0.8	1	1	0.8	0.83	1	0.88	0.88
Recall	0.36	0.36	0.36	0.73	0.45	0.45	0.64	0.64

DLBC  
 id: 1371 name: PLX4720 (rescreen)  
 target: BRAF class: ERK MAPK signaling

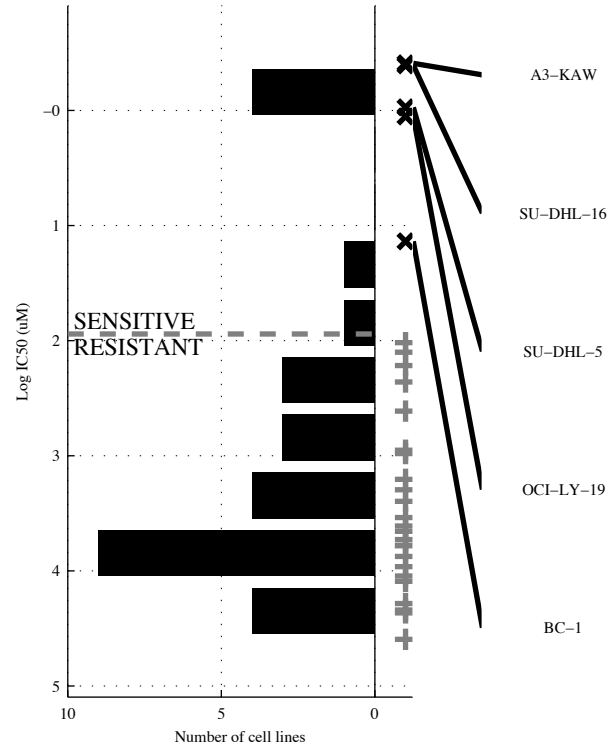
29 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d16q23</b>	<b>-TP53 &amp; d(CDKN</b>	<b>-CREBB &amp; -TP53 &amp;</b>	<b>-CREBB &amp; -MYC &amp;</b>	<b>d16q23   Wnt-UP</b>	<b>[ MLL2 &amp; d16q23 ]</b>	<b>d16q23   d15q15  </b>	<b>d16q23   d15q15  </b>
			<b>-TLR-UP</b>	<b>-TP53 &amp; TLR-UP</b>		<b>[ -MYC &amp; Wnt-UP ]</b>	<b>Wnt-UP</b>	<b>Wnt-UP  </b>
TP   FP Specificity	1   2 0.92	2   4 0.83	3   4 0.83	3   3 0.88	3   3 0.88	3   0 1	4   4 0.83	4   4 0.83
FN   TN Precision	4   22 0.33	3   20 0.33	2   20 0.43	2   21 0.5	2   21 0.5	2   24 1	1   20 0.5	1   20 0.5
Recall	0.2	0.4	0.6	0.6	0.6	0.6	0.8	0.8

DLBC  
 id: 1373 name: Dabrafenib  
 target: BRAF class: ERK MAPK signaling

29 cell lines  
 5 sensitive

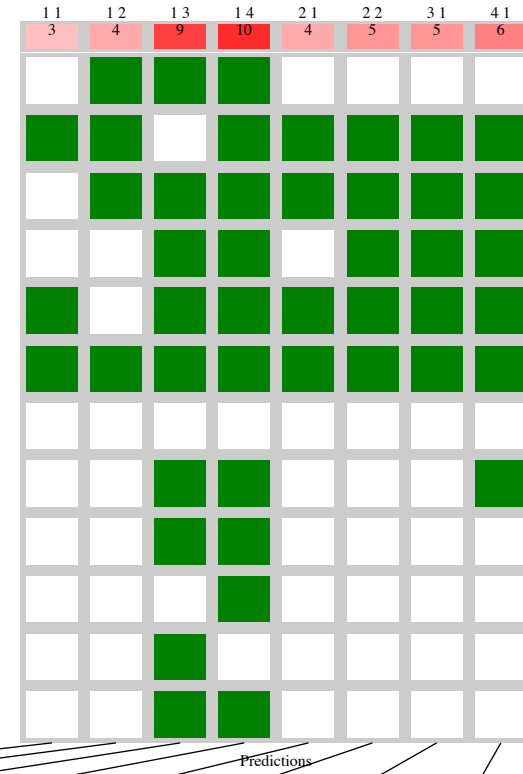
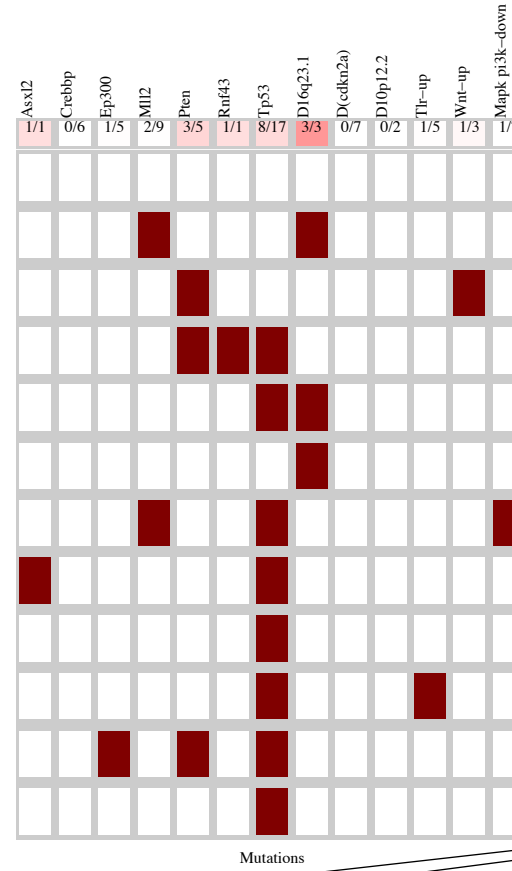
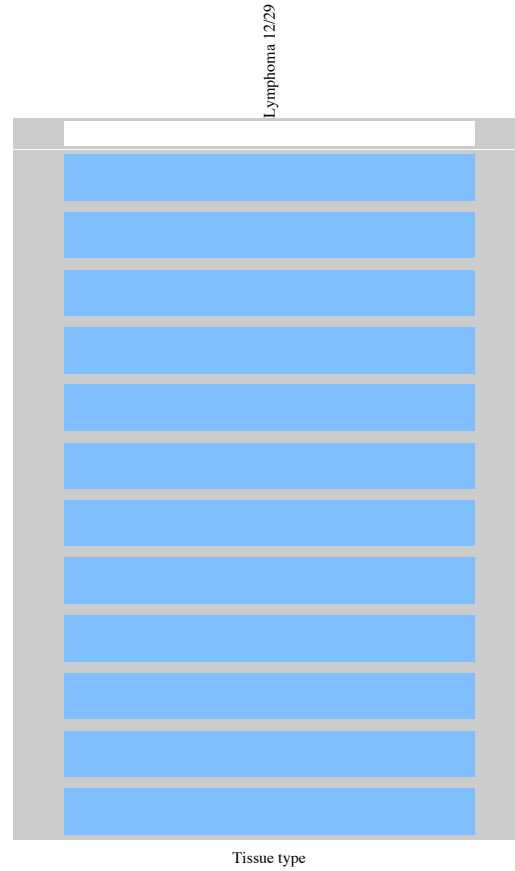
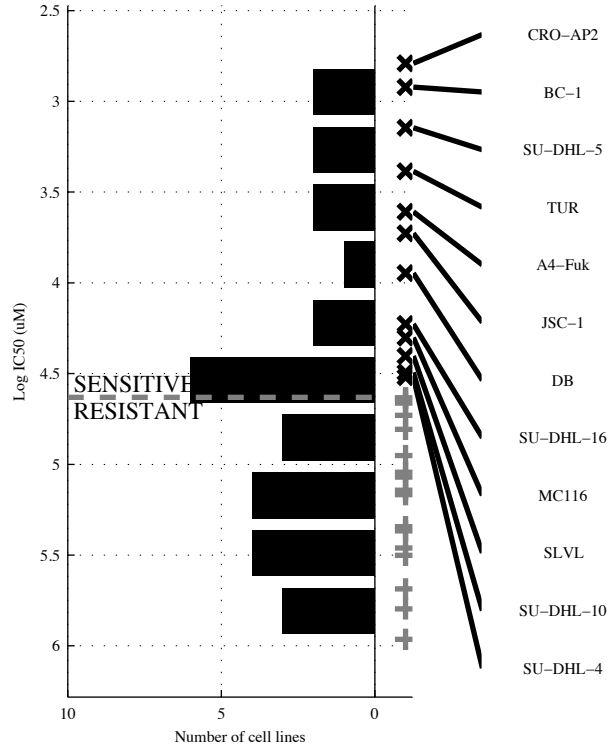


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>Wnt-UP</b>	<b>-MYC &amp; Wnt-UP</b>	<b>-TP53 &amp; TLR-UP &amp; -MAPK P</b>	<b>-MYC &amp; -TP53 &amp; -TLR-UP &amp; MAPK P</b>	<b>ASXL2   Wnt-UP</b>	<b>[ ASXL2 &amp; TLR-UP ]   [ -MYC &amp; Wnt-UP ]</b>	<b>ARID1A   ASXL2   Wnt-UP</b>	<b>ARID1A   ASXL2   d16q23   Wnt-UP</b>
TP   FP Specificity	2   1 0.96	2   0 1	4   4 0.83	4   3 0.88	3   1 0.96	3   0 1	4   3 0.88	5   4 0.83
FN   TN Precision	3   23 0.67	3   24 1	1   20 0.5	1   21 0.57	2   23 0.75	2   24 1	1   21 0.57	0   20 0.56
Recall	0.4	0.4	0.8	0.8	0.6	0.6	0.8	1



DLBC  
 id: 1375 name: Temozolomide  
 target: DNA alkylating agent class: DNA replication

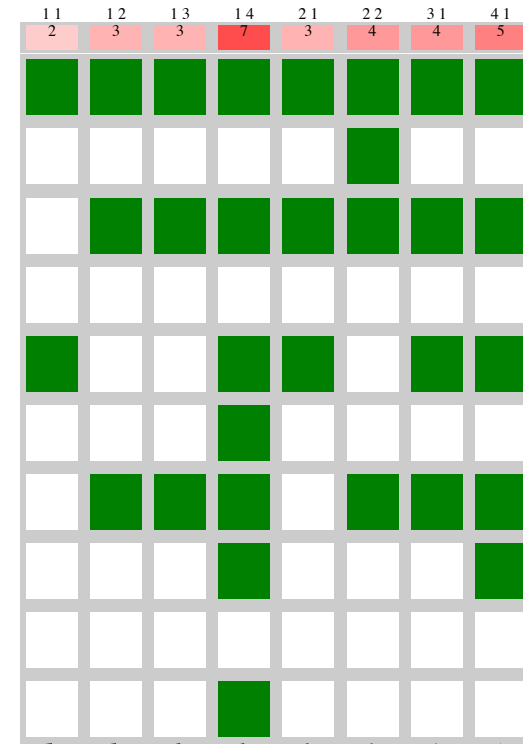
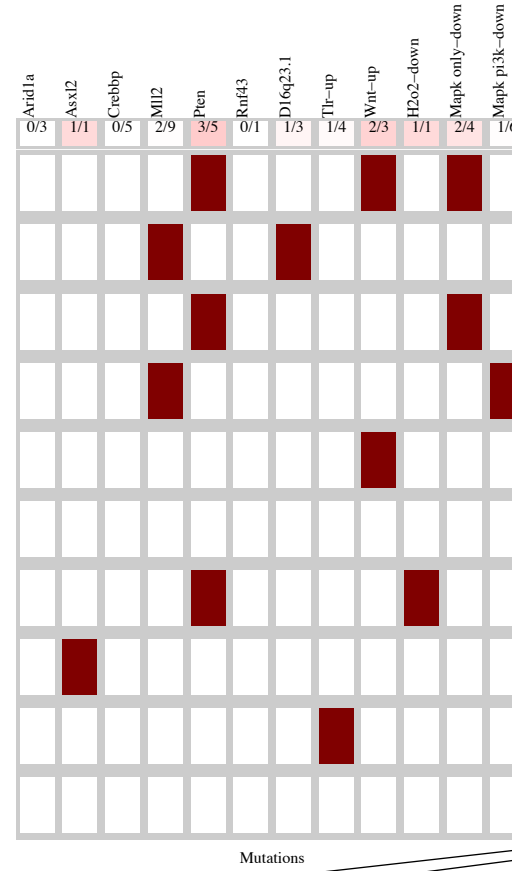
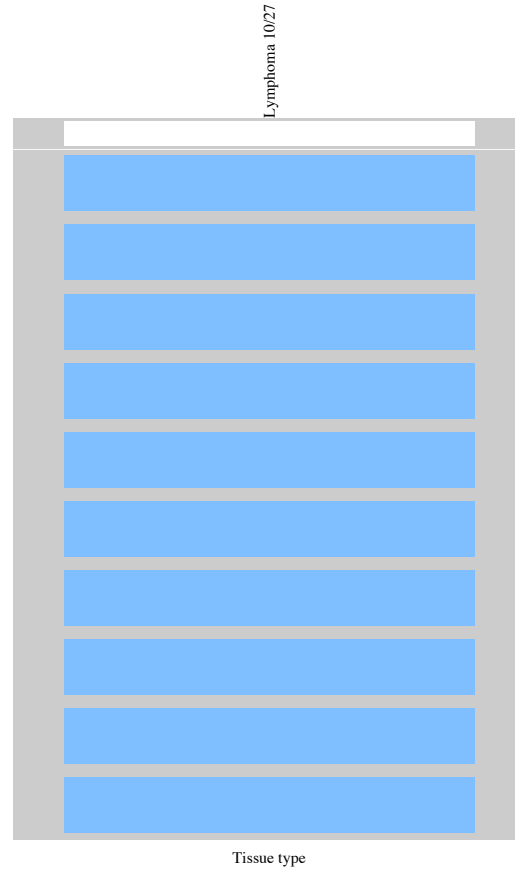
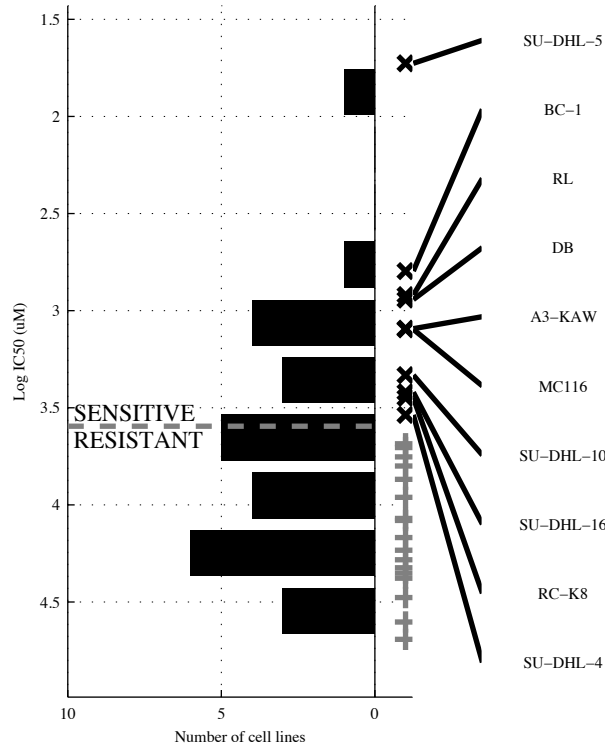
29 cell lines  
 12 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d16q23</b>	<b>-TP53 &amp; d(CDKN</b>	<b>-CREBB &amp; -MLL2 &amp;</b>	<b>-EP300 &amp; d(CDK &amp;</b>	<b>d16q23   Wnt-UP</b>	<b>[ -EP300 &amp; PTEN ]</b>	<b>RNF43   d16q23  </b>	<b>ASXL2   RNF43  </b>
			<b>-TLR-UP</b>	<b>-d10p12 &amp; MAPK P</b>		<b>[ d16q23 &amp; TLR-UP ]</b>	<b>Wnt-UP</b>	<b>d16q23   Wnt-UP</b>
TP   FP Specificity	3   0 1	4   2 0.88	9   3 0.82	10   3 0.82	4   2 0.88	5   0 1	5   2 0.88	6   2 0.88
FN   TN Precision	9   17 1	8   15 0.67	3   14 0.75	2   14 0.77	8   15 0.67	7   17 1	7   15 0.71	6   15 0.75
Recall	0.25	0.33	0.75	0.83	0.33	0.42	0.42	0.5

DLBC  
 id: 1502 name: Bicalutamide  
 target: ANDR (androgen receptor) class: other

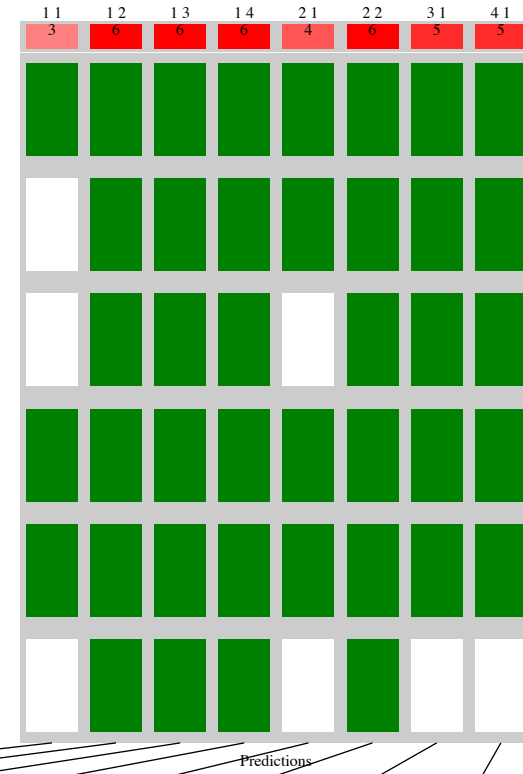
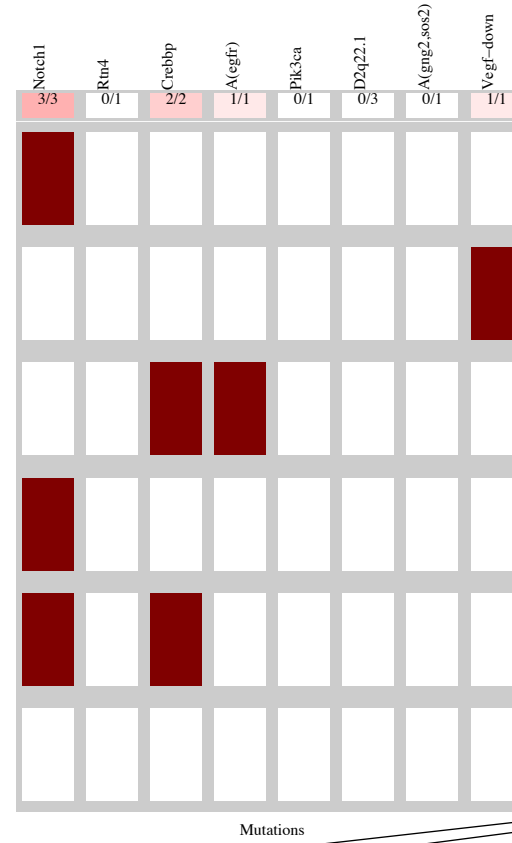
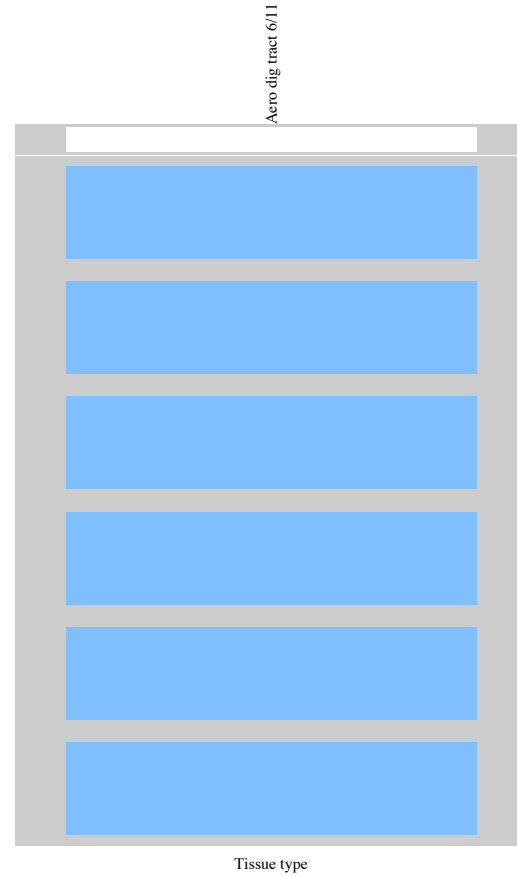
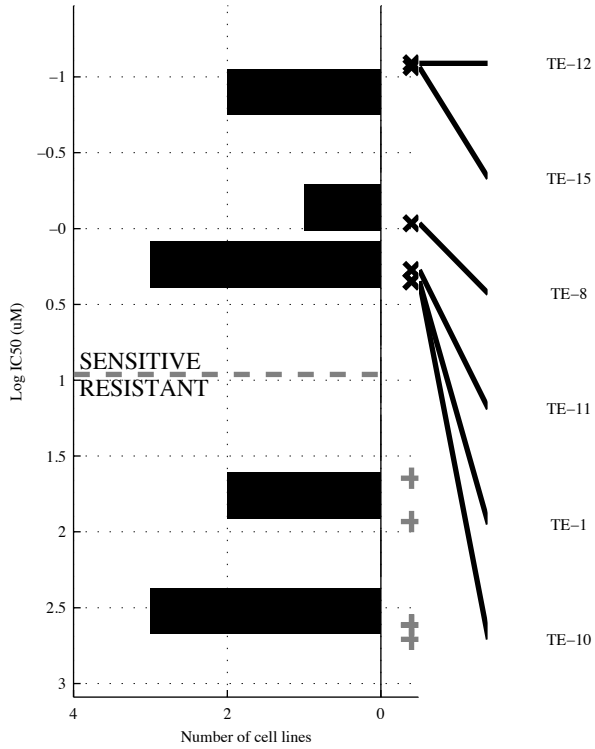
27 cell lines  
 10 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>Wnt-UP</b>	<b>PTEN &amp; MAPK P</b>	<b>-ARID1 &amp; PTEN &amp; -RNF43</b>	<b>-CREBB &amp; -MLL2 &amp; -d16q23 &amp; TLR-UP</b>	<b>Wnt-UP   MAPK o</b>	<b>[ -ARID1 &amp; PTEN ]   [ MLL2 &amp; d16q23 ]</b>	<b>Wnt-UP   H2O2-D   MAPK o</b>	<b>ASXL2   Wnt-UP   H2O2-D   MAPK o</b>
TP   FP Specificity	2   1 0.94	3   1 0.94	3   0 1	7   3 0.82	3   3 0.82	4   1 0.94	4   3 0.82	5   3 0.82
FN   TN Precision	8   16 0.67	7   16 0.75	7   17 1	3   14 0.7	7   14 0.5	6   16 0.8	6   14 0.57	5   14 0.63
Recall	0.2	0.3	0.3	0.7	0.3	0.4	0.4	0.5

ESCA  
 id: 38 name: AZD-0530  
 target: SRC, ABL1 class: ABL signaling

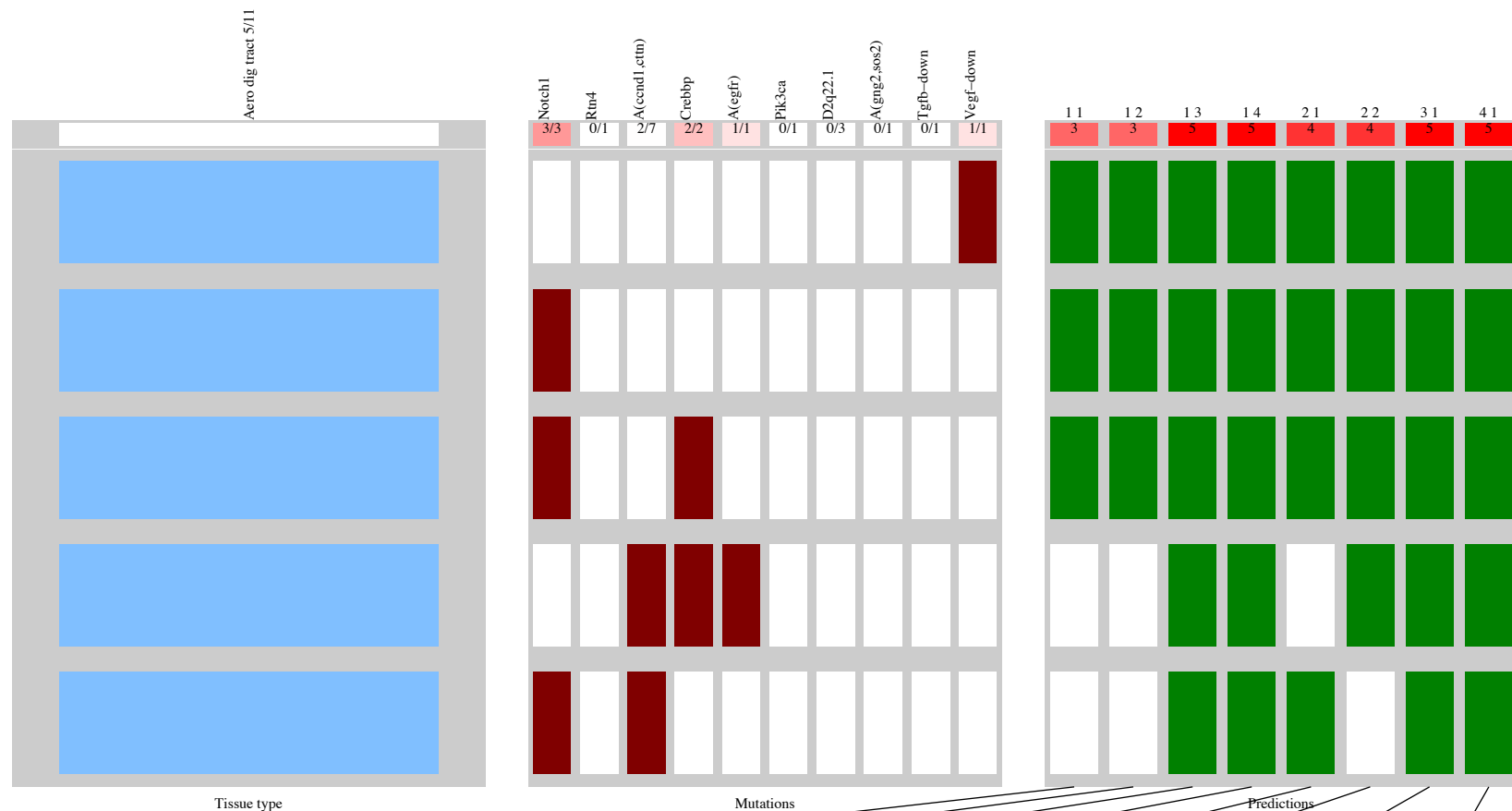
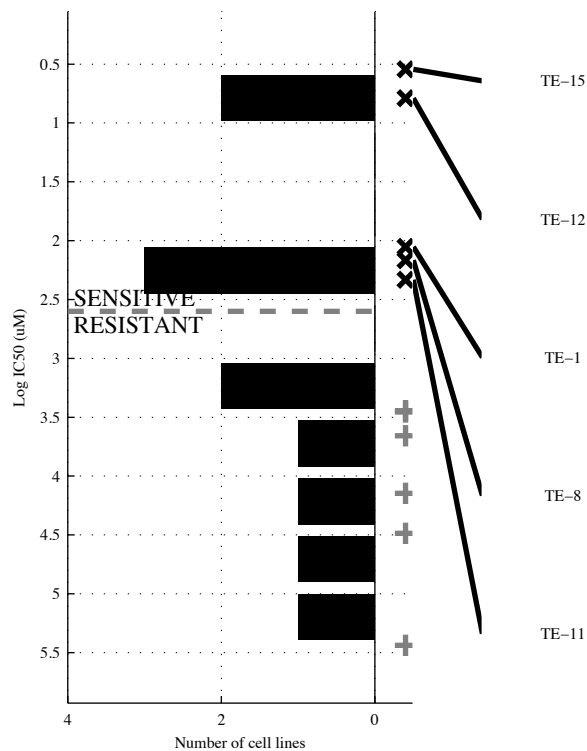
11 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>NOTCH1</b>	<b>-PIK3C.&amp;-d2q22.</b>	<b>-RTN4&amp;PIK3C.&amp;-d2q22.</b>	<b>-RTN4&amp;PIK3C.&amp;-d2q22.&amp;</b>	<b>NOTCH1VEGF-D</b>	<b>[ -d2q22.&amp;a(GNG2)   [ -d2q22.&amp;VEGF-D]</b>	<b>NOTCH1CREBBP1</b>	<b>NOTCH1a(EGFR)</b>
TP   FP	3   0	6   1	6   0	6   0	4   0	6   1	5   0	5   0
Specificity	1	0.8	1	1	1	0.8	1	1
FN   TN	3   5	0   4	0   5	0   5	2   5	0   4	1   5	1   5
Precision	1	0.86	1	1	1	0.86	1	1
Recall	0.5	1	1	1	0.67	1	0.83	0.83

ESCA  
 id: 59 name: WZ-1-84  
 target: BMX class: other

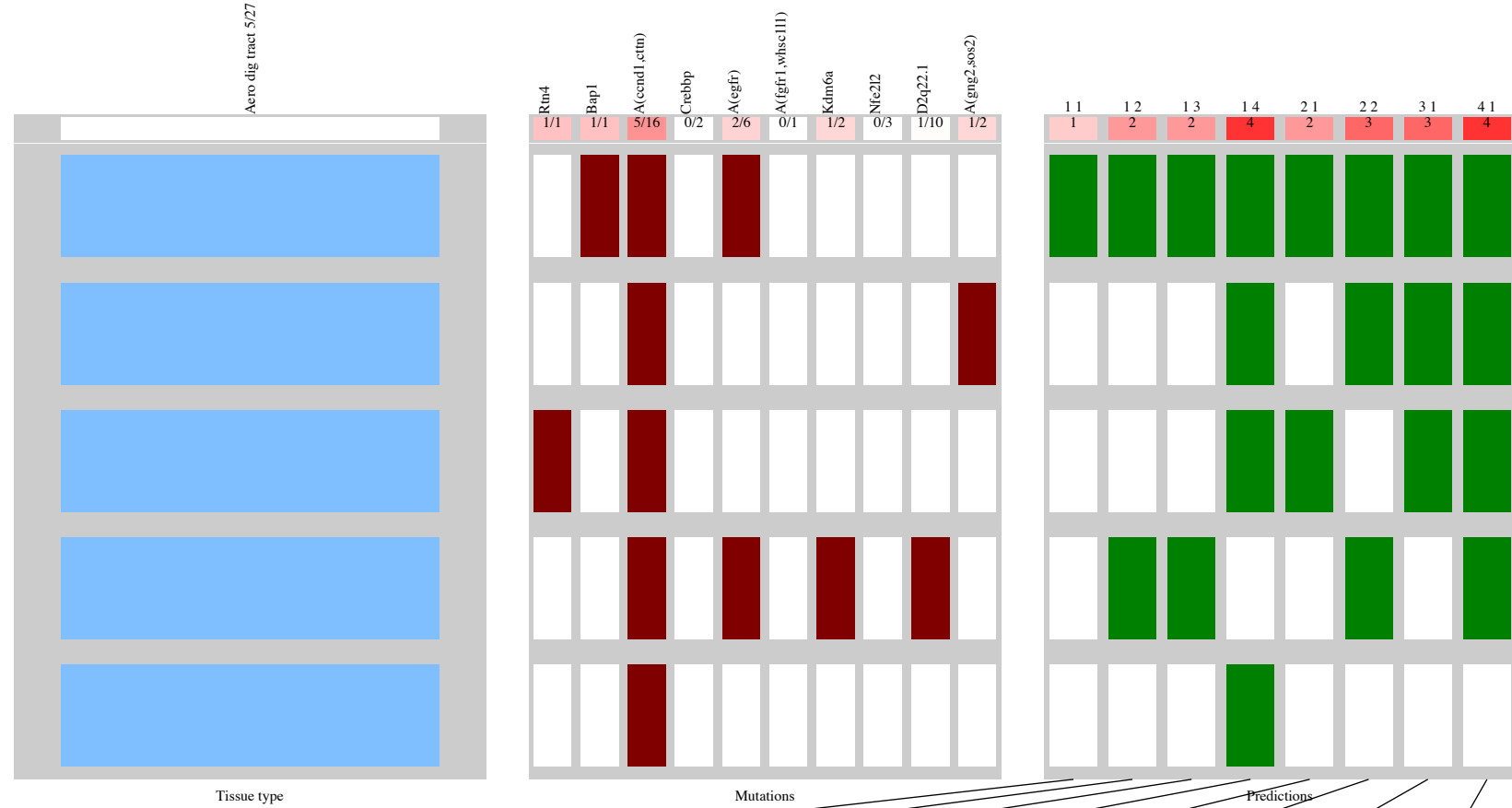
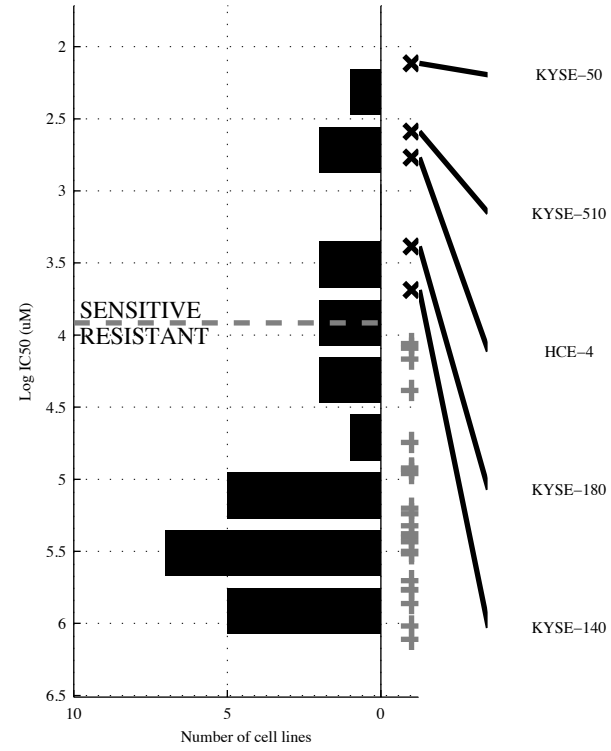
11 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>-a(CCND)</b>	<b>-a(CCND)&amp;PIK3CA</b>	<b>-RTN4&amp;PIK3CA&amp;-d2q22.</b>	<b>-RTN4&amp;PIK3CA&amp;-d2q22.&amp;TGFB-D</b>	<b>NOTCH1VEGF-D</b>	<b>[a(CCND)&amp;a(GNG2)]&amp;[CREBBP&amp;a(GNG2)]</b>	<b>NOTCH1CREBBP</b>	<b>NOTCH1a(EGFR)</b>
TP   FP Specificity FN   TN Precision Recall	3   1 0.83 2   5 0.75 0.6	3   0 1 2   6 1 0.6	5   1 0.83 0   5 0.83 1	5   1 0.83 0   5 1	4   0 1 1   6 1 0.8	4   0 1 1   6 1 0.8	5   0 1 0   6 1 1	5   0 1 0   6 1 1

ESCA  
 id: 147 name: NSC-87877  
 target: PTPN6 (SHP-1), PTPN11 (SHP-2) class: other

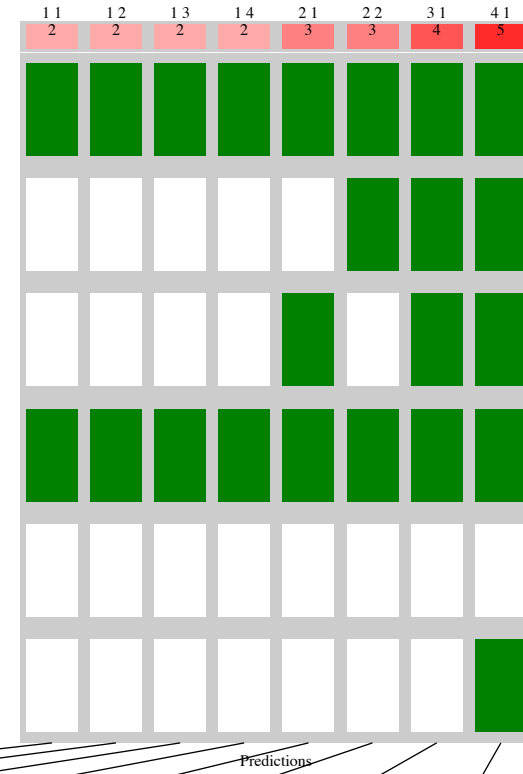
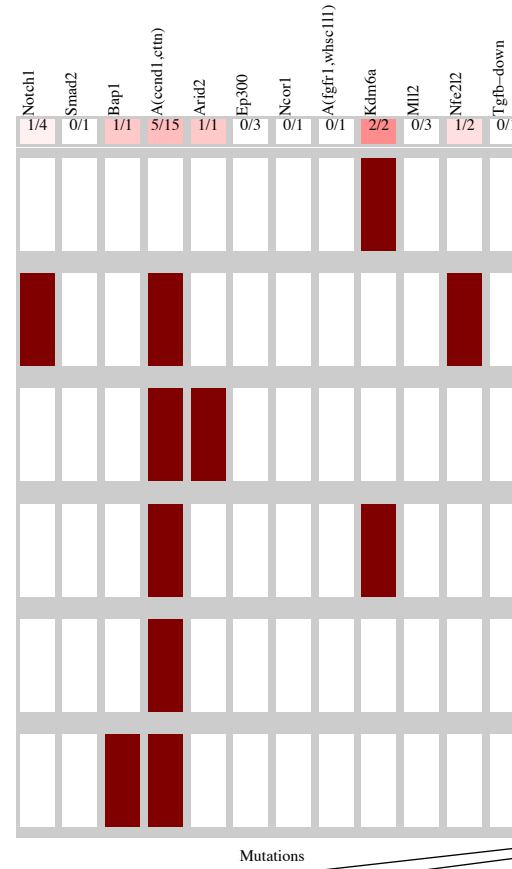
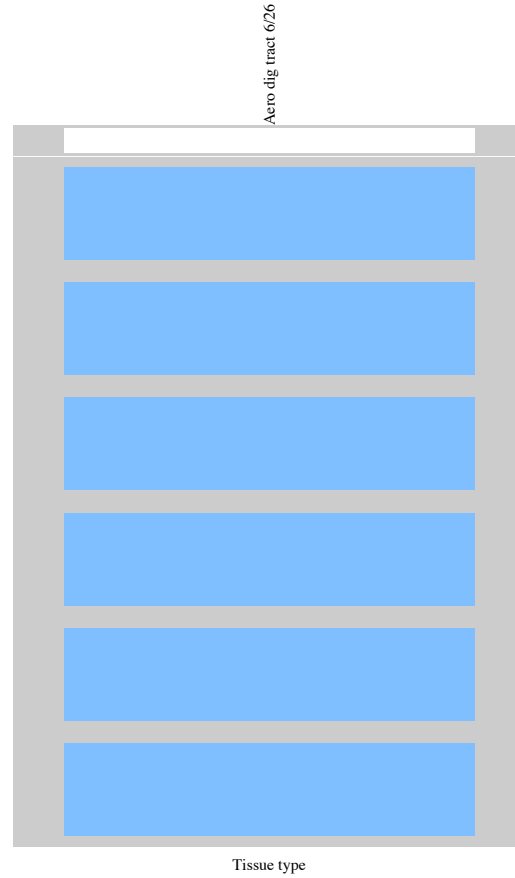
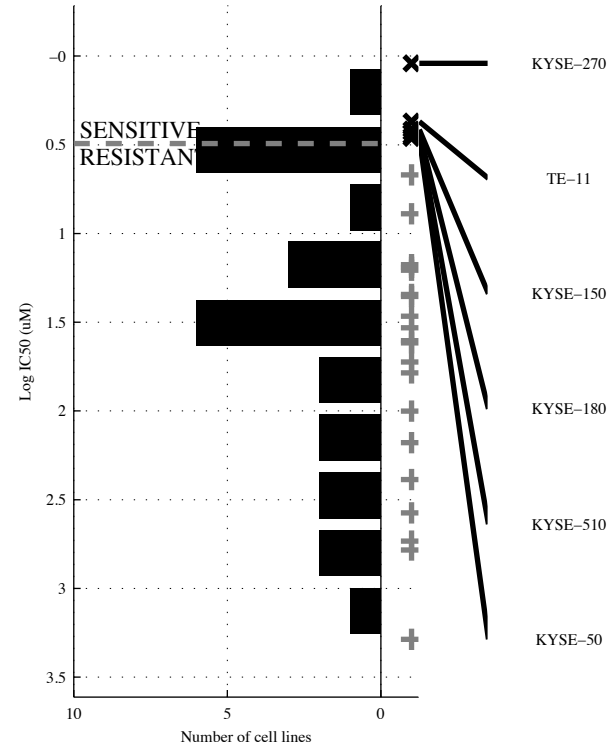
27 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>BAP1</b>	<b>a(EGFR&amp;NFE2L2)</b>	<b>¬CREBBP&amp;a(EGFR&amp;NFE2L2)</b>	<b>a(CCND&amp;CREBBP&amp;¬a(FGFR&amp;¬d2q22.1))</b>	<b>RTN4   BAP1</b>	<b>[a(CCND&amp;a(GNG2)]   [a(EGFR&amp;NFE2L2]</b>	<b>RTN4   BAP1   a(GNG2)</b>	<b>RTN4   BAP1   KDM6A   a(GNG2)</b>
TP   FP Specificity	1   0 1	2   2 0.91	2   1 0.95	4   4 0.82	2   0 1	3   2 0.91	3   1 0.95	4   2 0.91
FN   TN Precision	4   22 1	3   20 0.5	3   21 0.67	1   18 0.5	3   22 1	2   20 0.6	2   21 0.75	1   20 0.67
Recall	0.2	0.4	0.4	0.8	0.4	0.6	0.6	0.8

ESCA  
 id: 158 name: PF-562271  
 target: FAK class: cytoskeleton

26 cell lines  
 6 sensitive

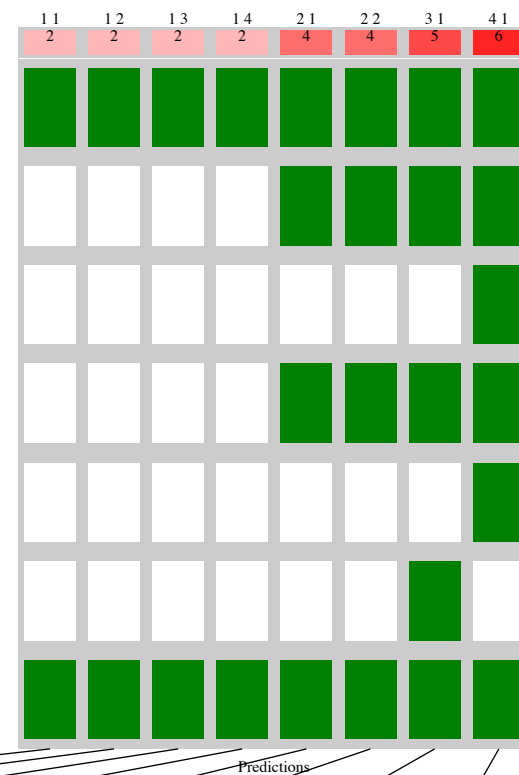
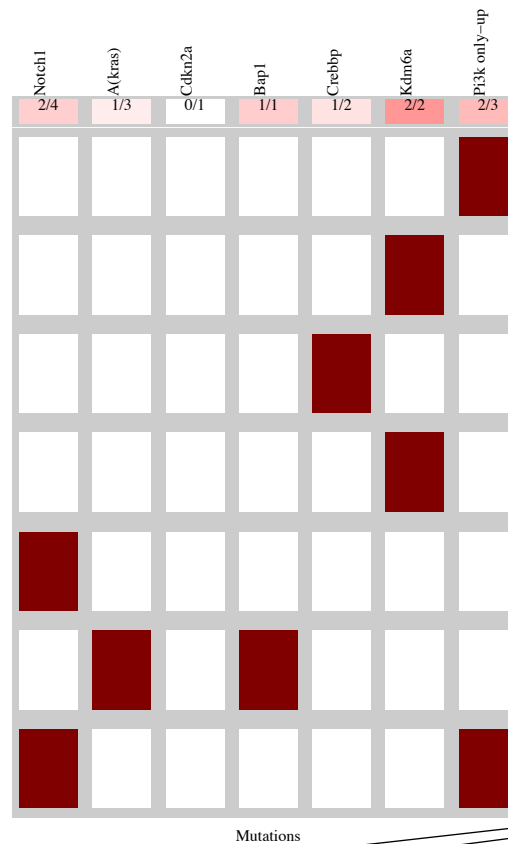
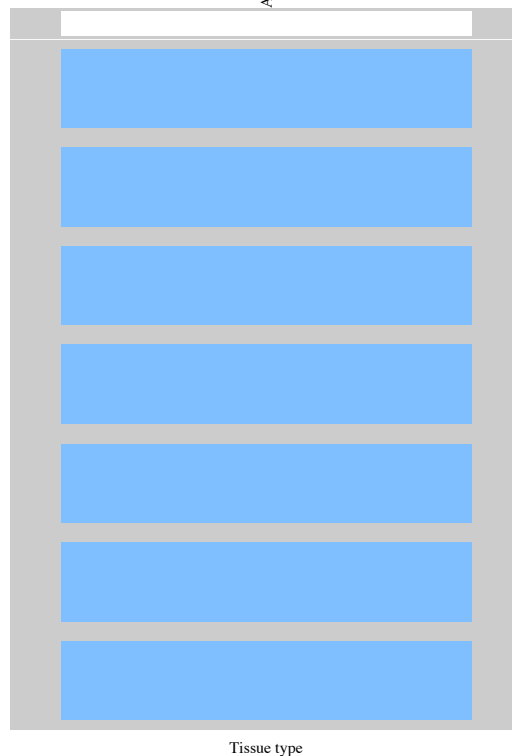
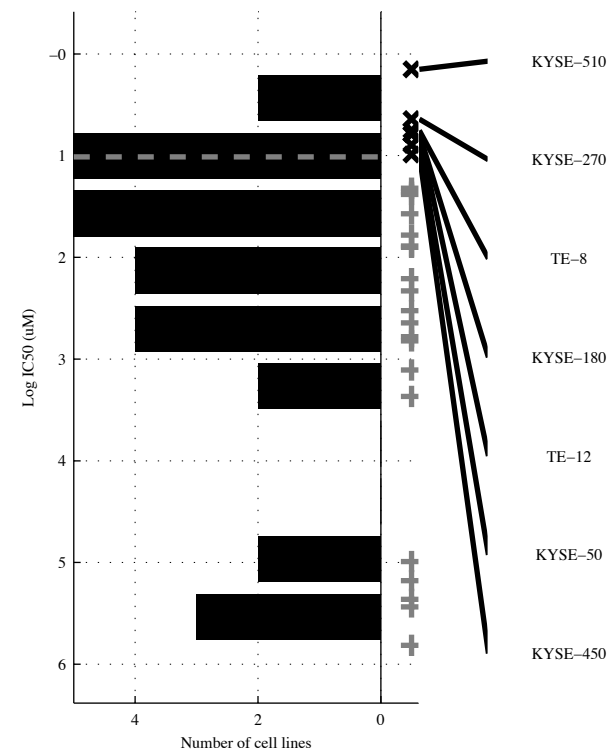


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>KDM6A</b>	<b>KDM6A &amp; TGFB-D</b>	<b>~SMAD2 &amp; KDM6A &amp; ~MLL2</b>	<b>~EP300 &amp; NCOR1 &amp; ~a(FGFR &amp; KDM6A)</b>	<b>ARID2   KDM6A</b>	<b>[KDM6A &amp; ]   [NOTCH1 &amp; a(CCND)]</b>	<b>ARID2   KDM6A   NFE2L2</b>	<b>BAP1   ARID2   KDM6A   NFE2L2</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{2}{4} \mid \frac{0}{20}$ 1 0.33	$\frac{2}{4} \mid \frac{0}{20}$ 1 0.33	$\frac{2}{4} \mid \frac{0}{20}$ 1 0.33	$\frac{2}{4} \mid \frac{0}{20}$ 1 0.33	$\frac{3}{3} \mid \frac{0}{20}$ 1 0.5	$\frac{3}{3} \mid \frac{0}{20}$ 1 0.5	$\frac{4}{2} \mid \frac{1}{19}$ 0.95 0.8 0.67	$\frac{5}{1} \mid \frac{1}{19}$ 0.95 0.83 0.83

ESCA  
 id: 177 name: GSK-650394  
 target: SGK3 class: other

27 cell lines  
 7 sensitive

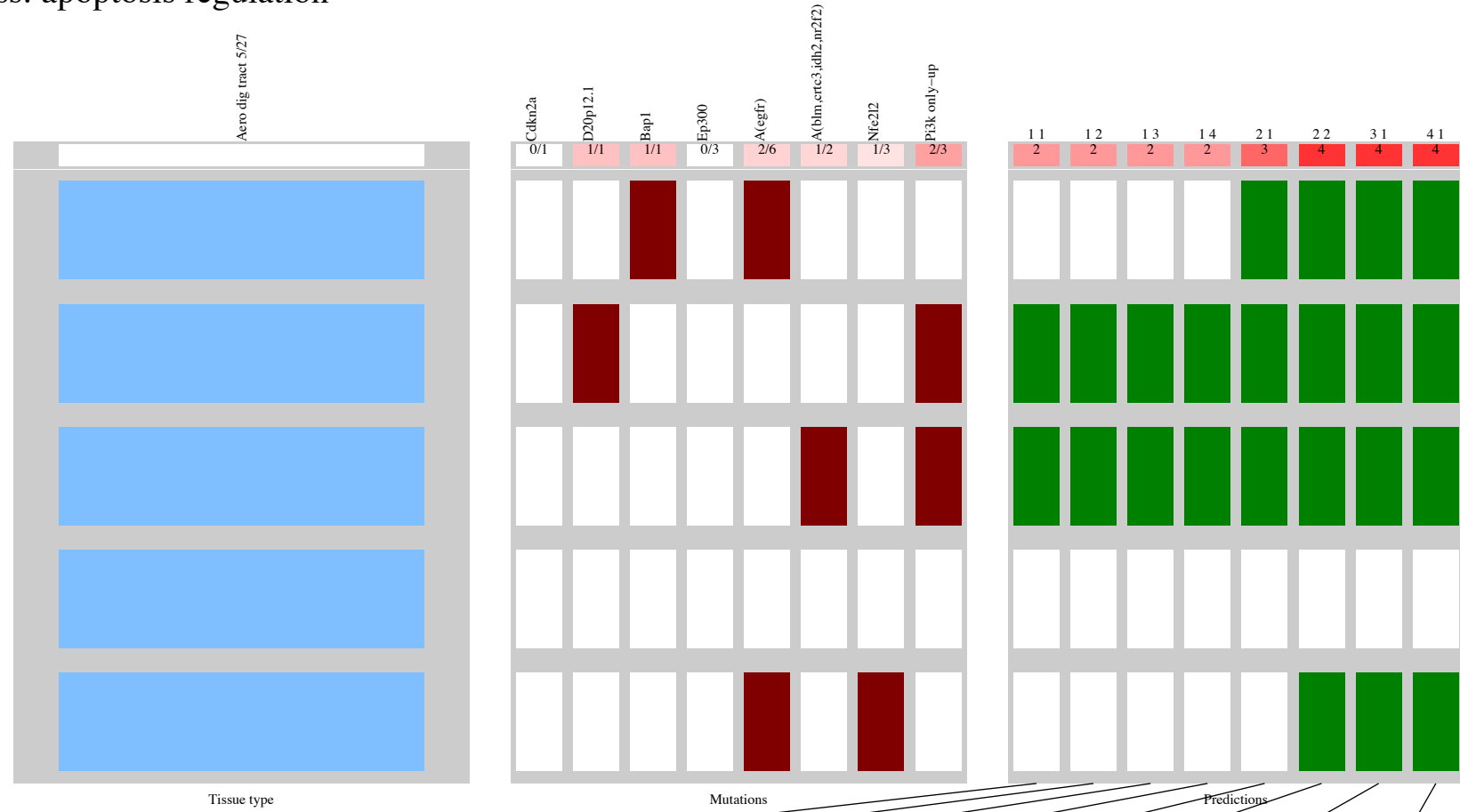
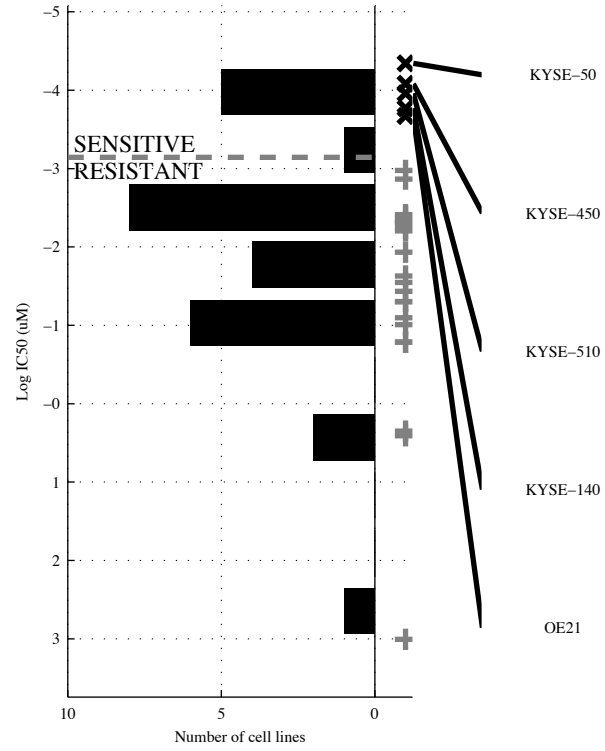
Aero dig tract 7/27



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>PI3K o</b>	<b>-CDKN2&amp; PI3K o</b>	<b>-CDKN2&amp; PI3K o&amp;</b>	<b>-CDKN2&amp; PI3K o&amp;</b>	<b>KDM6A   PI3K o</b>	<b>[~a(KRAS&amp;KDM6A)]   [CDKN2&amp; PI3K o]</b>	<b>BAP1   KDM6A   PI3K o</b>	<b>NOTCH1CREBBP   KDM6A   PI3K o</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{2}{5} \mid \frac{1}{19}$ 0.95 0.67 0.29	$\frac{2}{5} \mid \frac{0}{20}$ 1 1 0.29	$\frac{2}{5} \mid \frac{0}{20}$ 1 1 0.29	$\frac{2}{5} \mid \frac{0}{20}$ 1 1 0.29	$\frac{4}{3} \mid \frac{1}{19}$ 0.95 0.8 0.57	$\frac{4}{3} \mid \frac{0}{20}$ 1 1 0.57	$\frac{5}{2} \mid \frac{1}{19}$ 0.95 0.83 0.71	$\frac{6}{1} \mid \frac{3}{17}$ 0.85 0.67 0.86

ESCA  
 id: 182 name: Obatoclox Mesylate  
 target: BCL2, BCL2L1, MCL1 class: apoptosis regulation

27 cell lines  
 5 sensitive

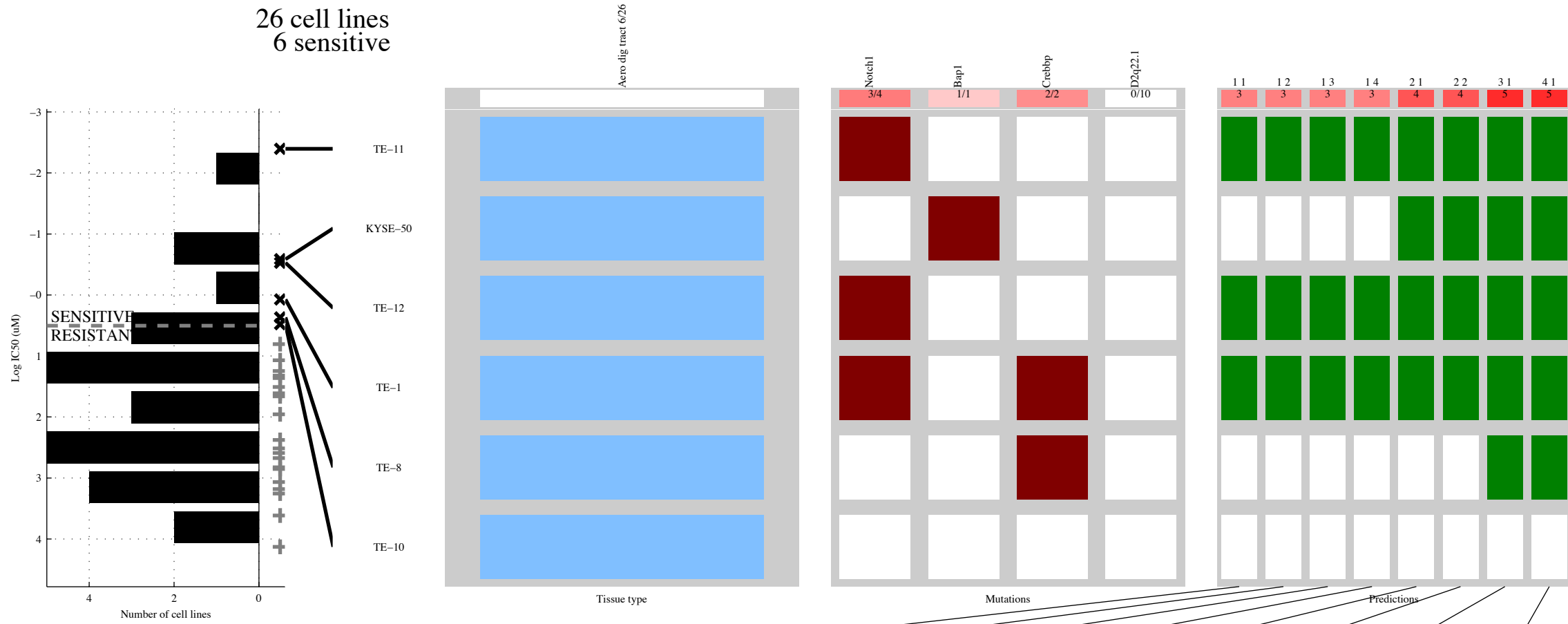


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>PI3K o</b>	<b>¬CDKN2&amp; PI3K o</b>	<b>¬CDKN2&amp; PI3K o &amp;</b>	<b>¬CDKN2&amp; PI3K o &amp;</b>	<b>BAP1   PI3K o</b>	<b>[¬CDKN2&amp; PI3K o ]</b> <b> </b> <b>[ ¬EP300&amp;a(EGFR) ]</b>	<b>BAP1   NFE2L2</b>  <b>PI3K o</b>	<b>d20p12   BAP1  </b>  <b>a(BLM,  NFE2L2</b>
TP   FP Specificity	2   1 0.95	2   0 1	2   0 1	2   0 1	3   1 0.95	4   3 0.86	4   3 0.86	4   3 0.86
FN   TN Precision	3   21 0.67	3   22 1	3   22 1	3   22 1	2   21 0.75	1   19 0.57	1   19 0.57	1   19 0.57
Recall	0.4	0.4	0.4	0.4	0.6	0.8	0.8	0.8



ESCA  
 id: 185 name: OSI-906  
 target: IGF1R class: IGFR signaling

26 cell lines  
 6 sensitive

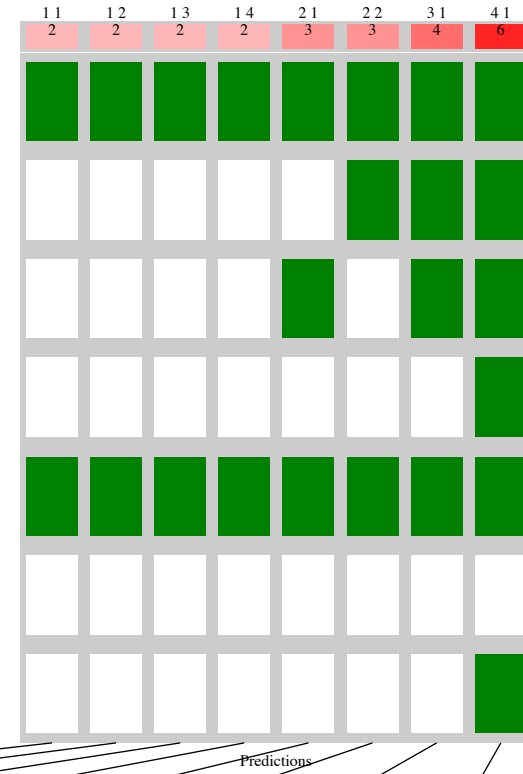
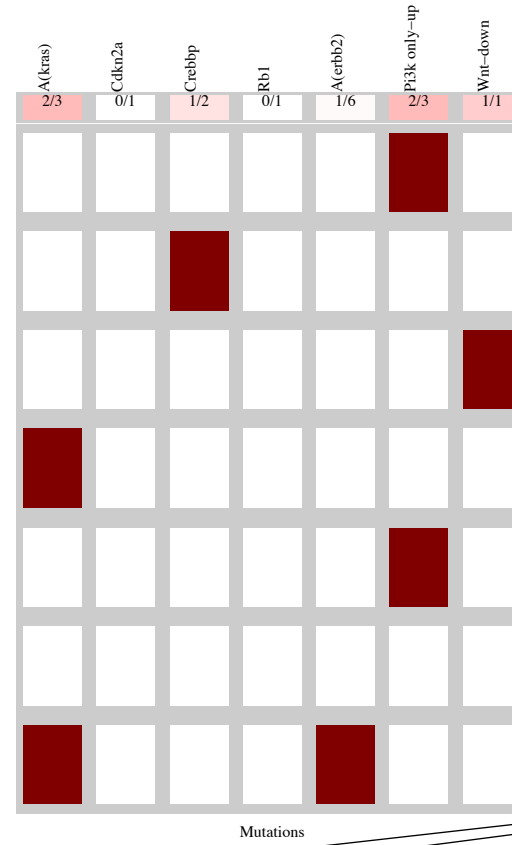
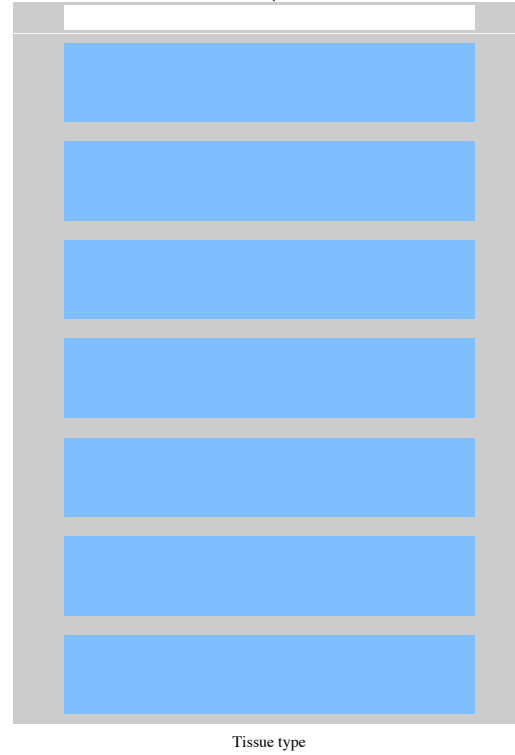
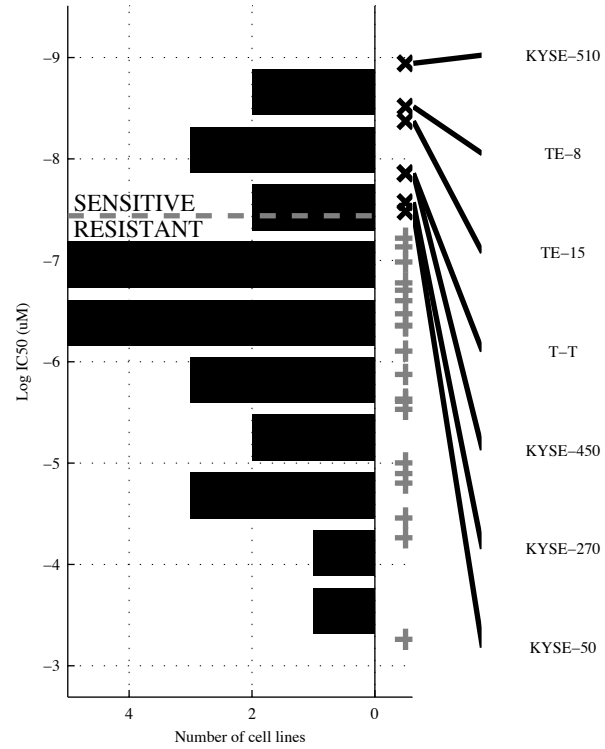


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>NOTCH1</b>	<b>NOTCH1 &amp; -d2q22.</b>	<b>NOTCH1 &amp; -d2q22.&amp;</b>	<b>NOTCH1 &amp; -d2q22.&amp;</b>	<b>NOTCH1   BAP1</b>	<b>[ NOTCH1 &amp; -d2q22. ]   [ BAP1 &amp; ]</b>	<b>NOTCH1   BAP1   CREBBP</b>	<b>NOTCH1   BAP1   CREBBP</b>
TP   FP	3   1	3   0	3   0	3   0	4   1	4   0	5   1	5   1
Specificity	0.95	1	1	1	0.95	1	0.95	0.95
FN   TN	3   19	3   20	3   20	3   20	2   19	2   20	1   19	1   19
Precision	0.75	1	1	1	0.8	1	0.83	0.83
Recall	0.5	0.5	0.5	0.5	0.67	0.67	0.83	0.83

ESCA  
 id: 201 name: Etophilon B  
 target: Microtubules class: cytoskeleton

27 cell lines  
 7 sensitive

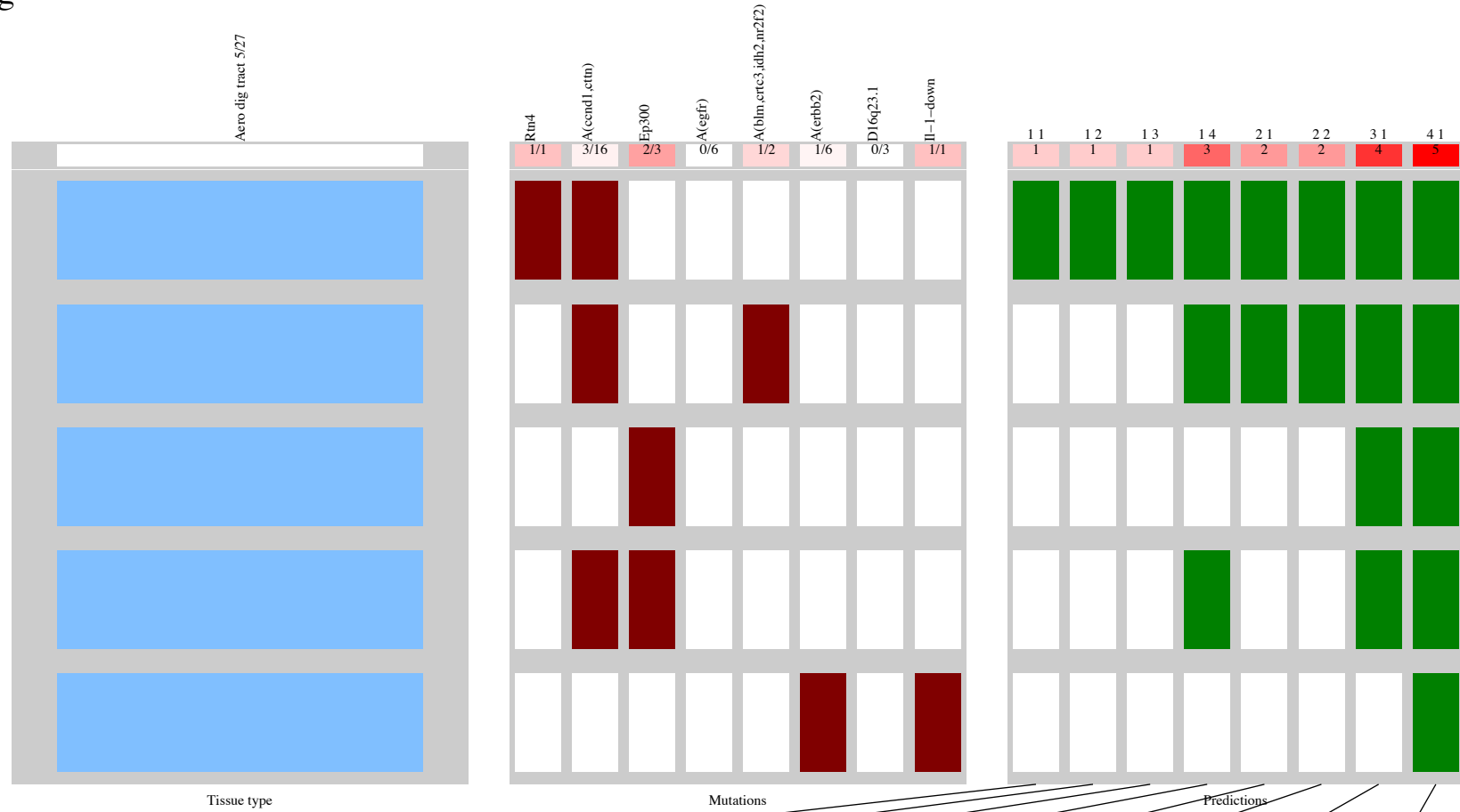
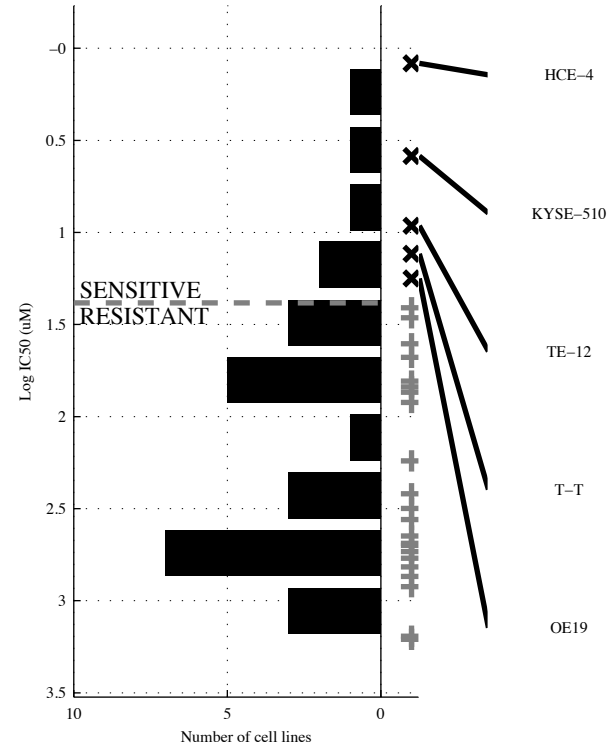
Aero dig tract 7/27



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>PI3K o</b>	<b>-CDKN2&amp; PI3K o</b>	<b>-CDKN2&amp; PI3K o &amp;</b>	<b>-CDKN2&amp; PI3K o &amp;</b>	<b>PI3K o  Wnt-DO</b>	<b>[CREBBP &amp; -RB1 ]</b>   <b>[-a(ERBB2 &amp; PI3K o )]</b>	<b>CREBBP   PI3K o  </b>  <b>Wnt-DO</b>	<b>a(KRAS  CREBBP  </b>  <b>PI3K o  Wnt-DO</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{2}{5} \mid \frac{1}{19}$ 0.95 0.67 0.29	$\frac{2}{5} \mid \frac{0}{20}$ 1 1 0.29	$\frac{2}{5} \mid \frac{0}{20}$ 1 1 0.29	$\frac{2}{5} \mid \frac{0}{20}$ 1 1 0.29	$\frac{3}{4} \mid \frac{1}{19}$ 0.95 0.75 0.43	$\frac{3}{4} \mid \frac{0}{20}$ 1 1 0.43	$\frac{4}{3} \mid \frac{2}{18}$ 0.9 0.67 0.57	$\frac{6}{1} \mid \frac{3}{17}$ 0.85 0.67 0.86

ESCA  
 id: 202 name: GSK-1904529A  
 target: IGF1R class: IGFR signaling

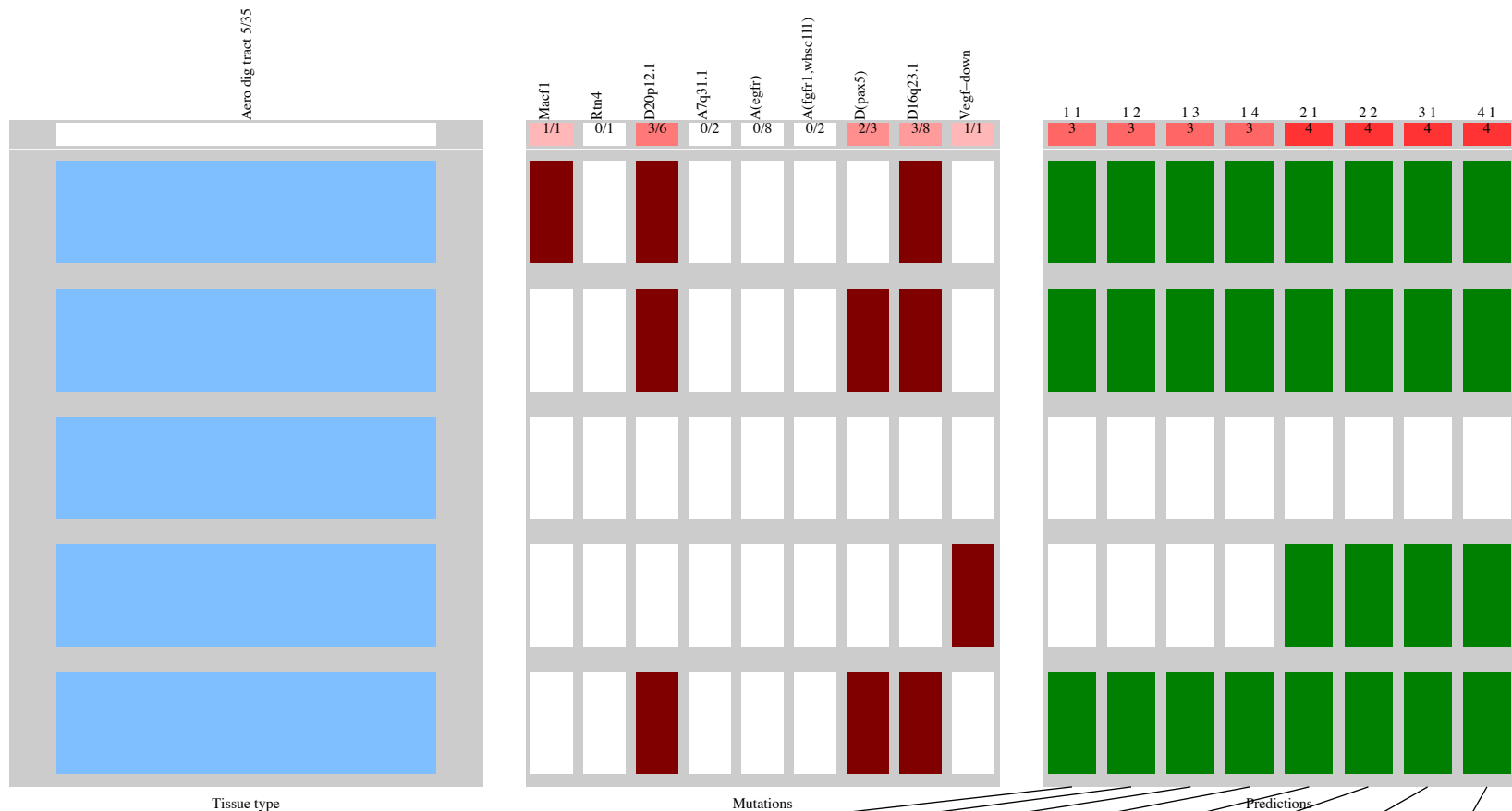
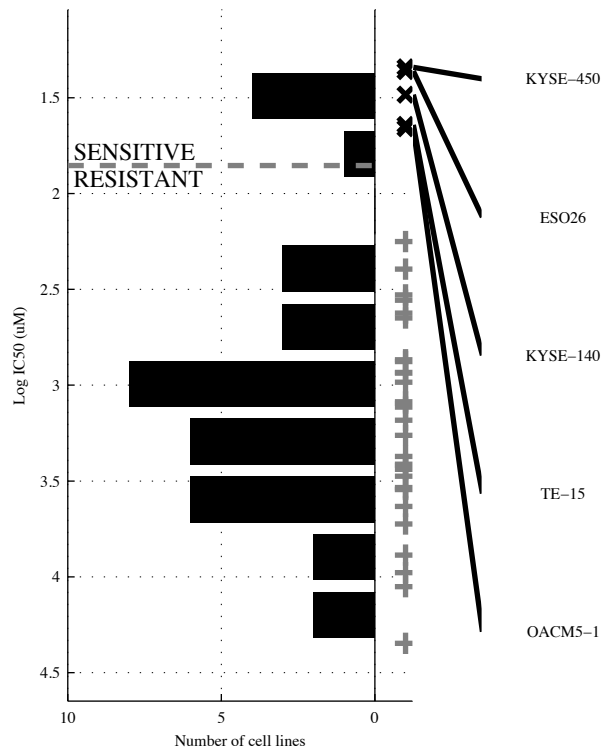
27 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>RTN4</b>	<b>RTN4 &amp;</b>	<b>RTN4 &amp; &amp;</b>	<b>a(CCND1 &amp; a(EGFR &amp; -a(ERBB1 &amp; -d16q23</b>	<b>RTN4   a(BLM,</b>	<b>[ a(BLM, &amp; a(ERBB1   [ RTN4 &amp; a(ERBB1</b>	<b>RTN4   EP300   a(BLM,</b>	<b>RTN4   EP300   a(BLM,   IL-1-D</b>
TP   FP	1   0	1   0	1   0	3   4	2   1	2   0	4   2	5   2
Specificity	1	1	1	0.82	0.95	1	0.91	0.91
FN   TN	4   22	4   22	4   22	2   18	3   21	3   22	1   20	0   20
Precision	1	1	1	0.43	0.67	1	0.67	0.71
Recall	0.2	0.2	0.2	0.6	0.4	0.4	0.8	1

ESCA  
 id: 203 name: BMS-345541  
 target: IKBKB class: other

35 cell lines  
 5 sensitive

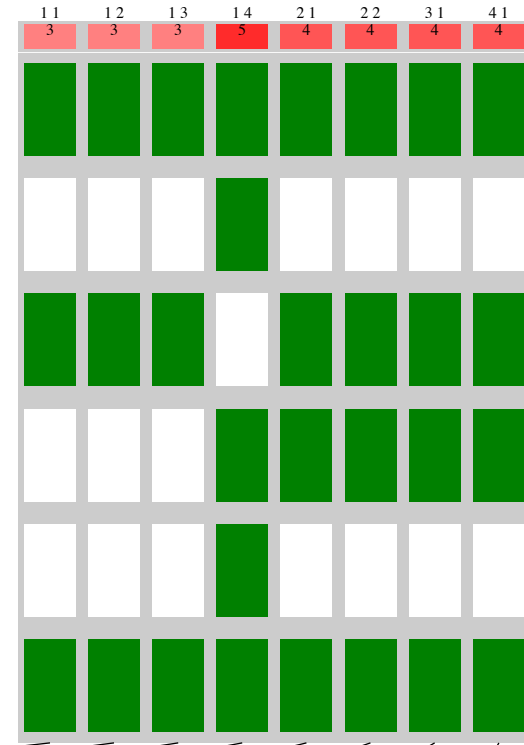
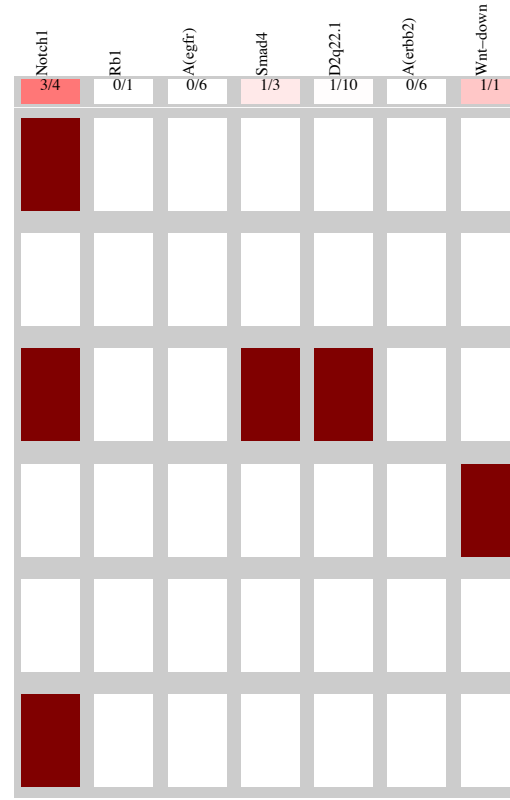
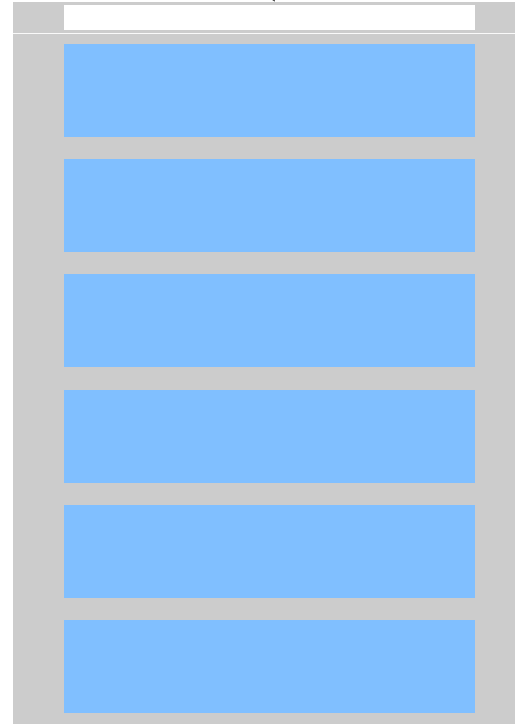
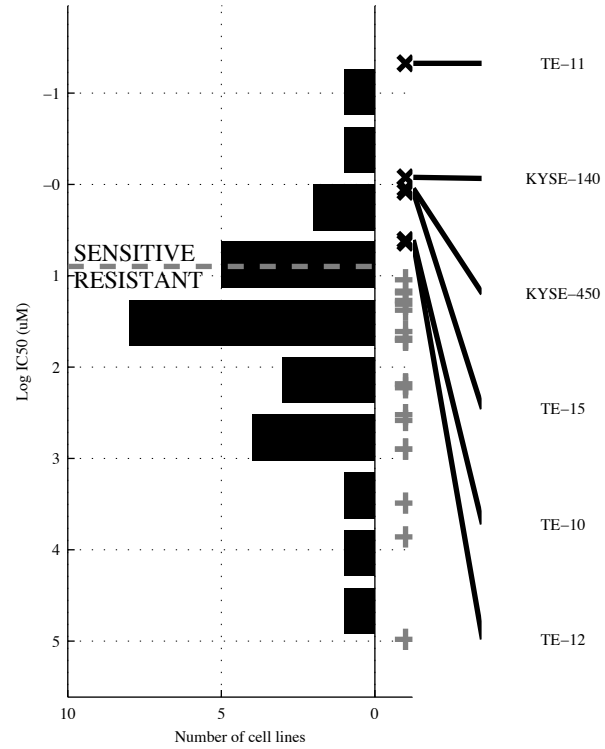


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d20p12</b>	<b>d20p12 &amp; d16q23</b>	<b>d20p12 &amp; <del>a</del>7q31 &amp; d16q23</b>	<b><del>RTN4</del> &amp; d20p12 &amp; <del>a</del>(FGFR &amp; d16q23</b>	<b>d20p12   VEGF-D</b>	<b><del>a</del>(EGFR &amp; VEGF-D)   [ d20p12 &amp; d16q23 ]</b>	<b>MACF1   d(PAX5)   VEGF-D</b>	<b>MACF1   d(PAX5)   VEGF-D</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{3}{2} \mid \frac{3}{27}$ 0.9 0.5 0.6	$\frac{3}{2} \mid \frac{2}{28}$ 0.93 0.6 0.6	$\frac{3}{2} \mid \frac{1}{29}$ 0.97 0.75 0.6	$\frac{3}{2} \mid \frac{1}{29}$ 0.97 0.75 0.6	$\frac{4}{1} \mid \frac{3}{27}$ 0.9 0.57 0.8	$\frac{4}{1} \mid \frac{2}{28}$ 0.93 0.67 0.8	$\frac{4}{1} \mid \frac{1}{29}$ 0.97 0.8 0.8	$\frac{4}{1} \mid \frac{1}{29}$ 0.97 0.8 0.8

ESCA  
 id: 207 name: AS601245  
 target: JNK class: JNK and p38 signaling

27 cell lines  
 6 sensitive

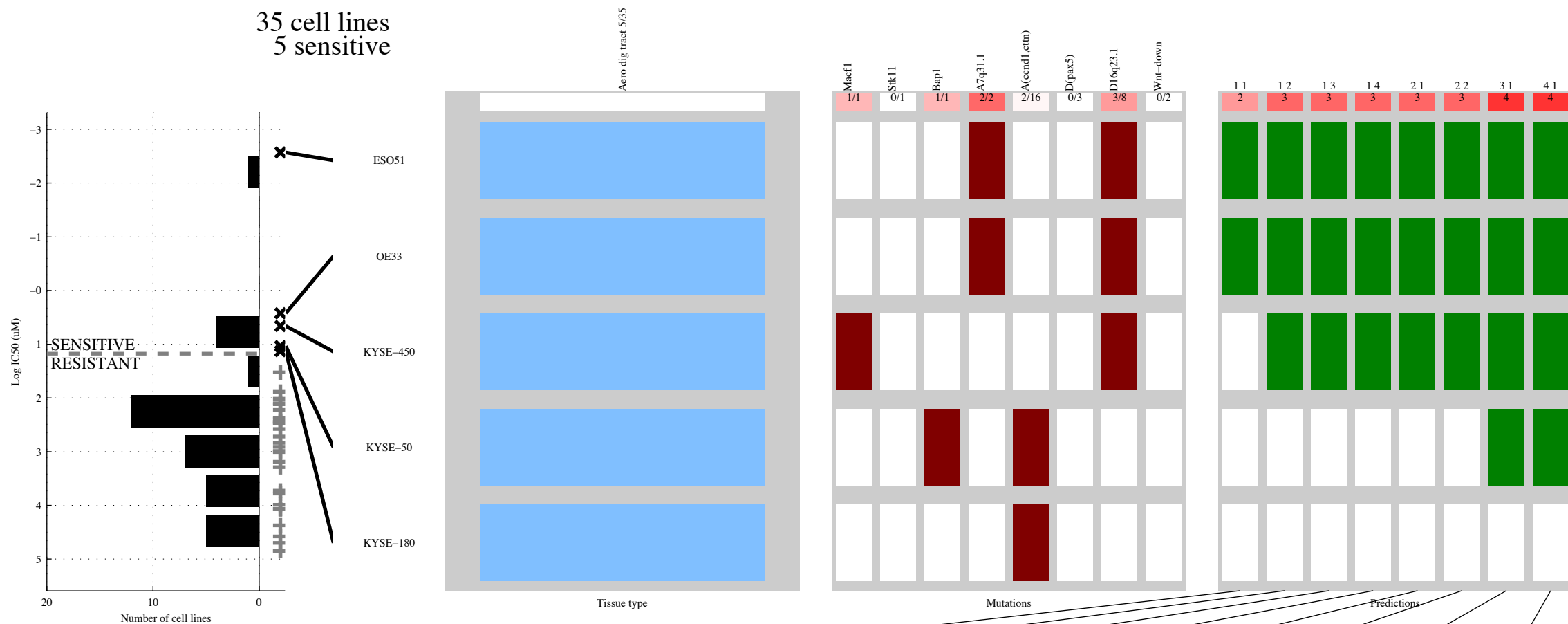
Aero dig tract 6/27



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>NOTCH1</b>	<b>NOTCH &amp; -RB1</b>	<b>NOTCH &amp; -RB1 &amp;</b>	<b>-a(EGFR &amp; SMAD &amp;</b> <b>-d2q22.1 &amp; a(ERBB</b>	<b>NOTCH1   Wnt-DO</b>	<b>[Wnt-DO &amp;</b> <b> </b> <b>[NOTCH &amp; -RB1 ]</b>	<b>NOTCH1   Wnt-DO  </b>	<b>NOTCH1   Wnt-DO  </b>
TP   FP Specificity	3   1 0.95	3   0 1	3   0 1	5   4 0.81	4   1 0.95	4   0 1	4   1 0.95	4   1 0.95
FN   TN Precision	3   20 0.75	3   21 1	3   21 1	1   17 0.56	2   20 0.8	2   21 1	2   20 0.8	2   20 0.8
Recall	0.5	0.5	0.5	0.83	0.67	0.67	0.67	0.67

ESCA  
 id: 249 name: XL-184  
 target: VEGFR, MET, RET, KIT, FLT1, FLT3, FLT4, Tie2, AXL class: RTK signaling

35 cell lines  
 5 sensitive

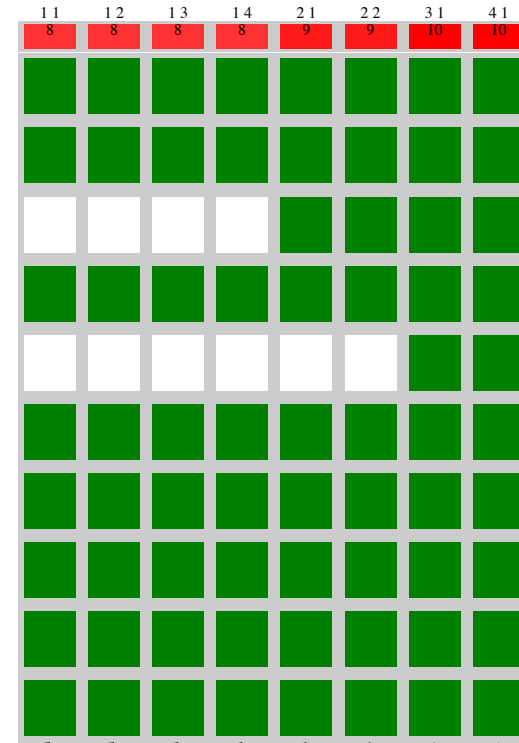
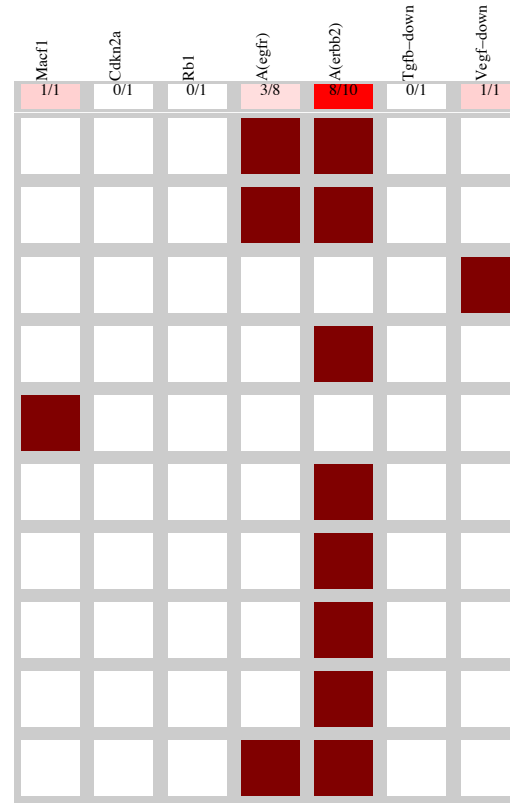
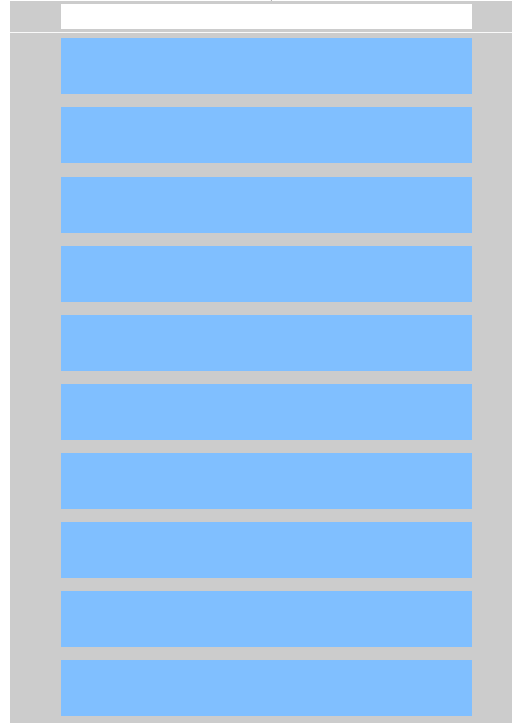
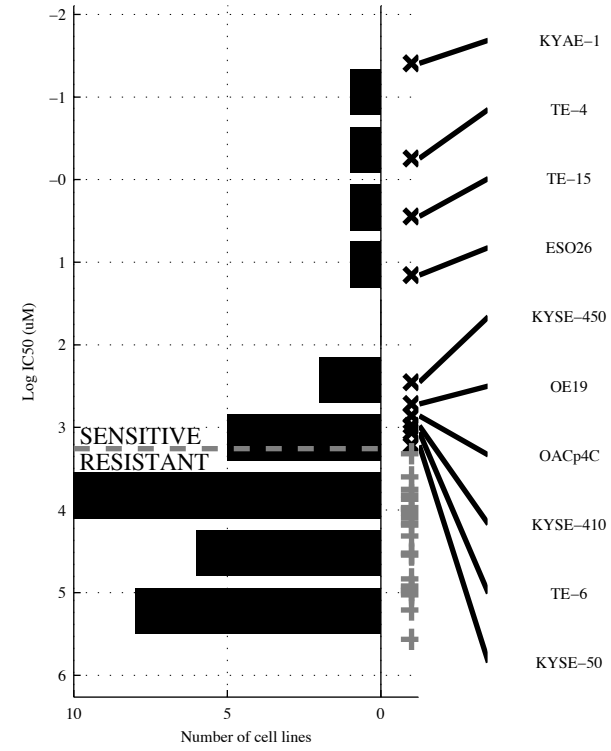


Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	M															
Logic formula	<b>a7q31.</b>		<b>¬a(CCND1 &amp; d16q23</b>		<b>¬a(CCND1 &amp; d16q23 &amp;</b>		<b>¬a(CCND1 &amp; d(PAX5</b>		<b>MACF1   a7q31.</b>		<b>[ a7q31. &amp;a(CCND1</b>		<b>MACF1   BAP1  </b>		<b>MACF1   BAP1  </b>	
					<b>¬Wnt-DO</b>		<b>d16q23 &amp; Wnt-DO</b>				<b>[ MACF1 &amp; ¬STK11 ]</b>		<b>a7q31.</b>		<b>a7q31.  </b>	
TP   FP	2   0	1	3   4	0.87	3   3	0.9	3   1	0.97	3   0	1	3   0	1	4   0	1	4   0	1
FN   TN	3   30	1	2   26	0.43	2   27	0.5	2   29	0.75	2   30	1	2   30	1	1   30	1	1   30	1
Specificity	0.4		0.6		0.6		0.6		0.6		0.6		0.8		0.8	
Precision	0.4		0.6		0.6		0.6		0.6		0.6		0.8		0.8	
Recall	0.4		0.6		0.6		0.6		0.6		0.6		0.8		0.8	

ESCA  
 id: 255 name: CP724714  
 target: ERBB2 class: EGFR signaling

35 cell lines  
 10 sensitive

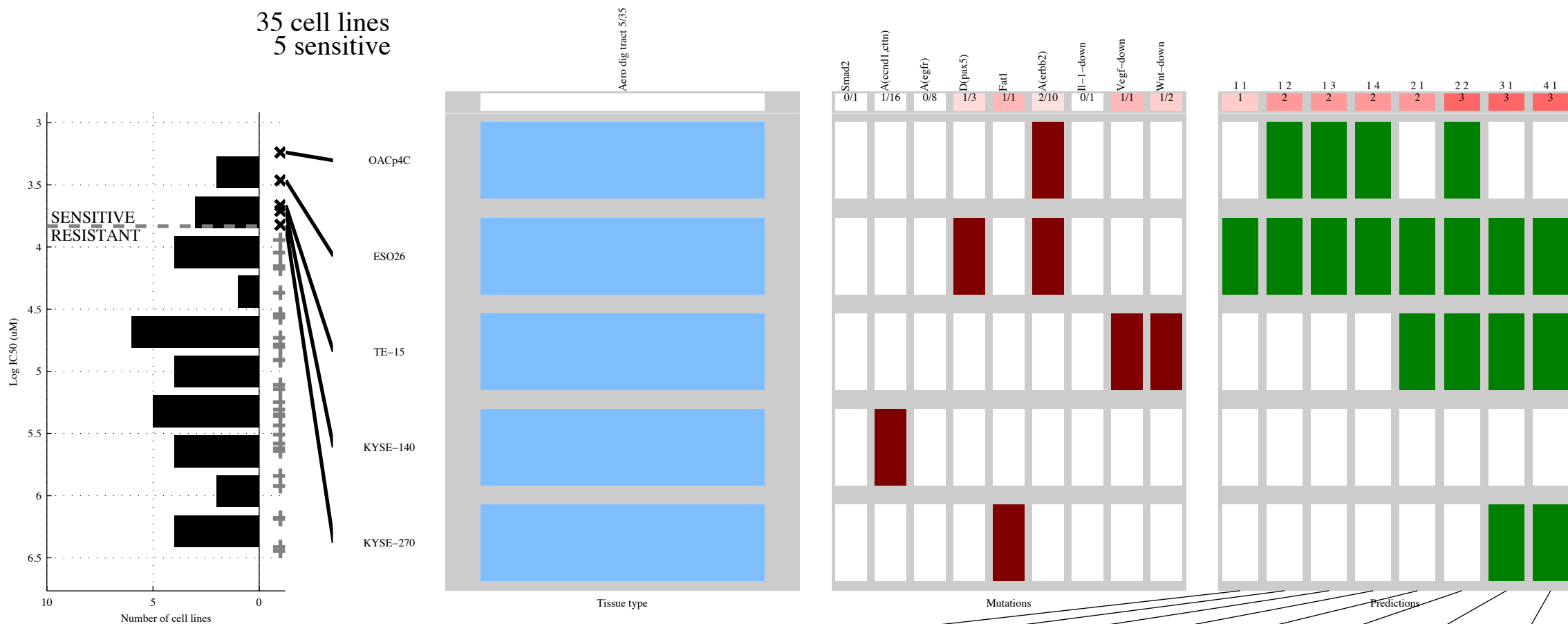
Aero dig tract 10/35



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a(ERBB)</b>	<b>a(ERBB &amp; TGFB-D)</b>	<b>-CDKN2 &amp; a(ERBB &amp; -TGFB-D)</b>	<b>-CDKN2 &amp; -RB1 &amp; a(ERBB &amp; TGFB-D)</b>	<b>a(ERBB   VEGF-D)</b>	<b>[ a(ERBB &amp; TGFB-D)   -a(EGFR &amp; VEGF-D) ]</b>	<b>MACF1   a(ERBB   VEGF-D)</b>	<b>MACF1   a(ERBB   VEGF-D)</b>
TP   FP	8   2	8   1	8   0	8   0	9   2	9   1	10   2	10   2
Specificity	0.92	0.96	1	1	0.92	0.96	0.92	0.92
FN   TN	2   23	2   24	2   25	2   25	1   23	1   24	0   23	0   23
Precision	0.8	0.89	1	1	0.82	0.9	0.83	0.83
Recall	0.8	0.8	0.8	0.8	0.9	0.9	1	1

ESCA  
 id: 263 name: FR-180204  
 target: ERK class: ERK MAPK signaling

35 cell lines  
 5 sensitive

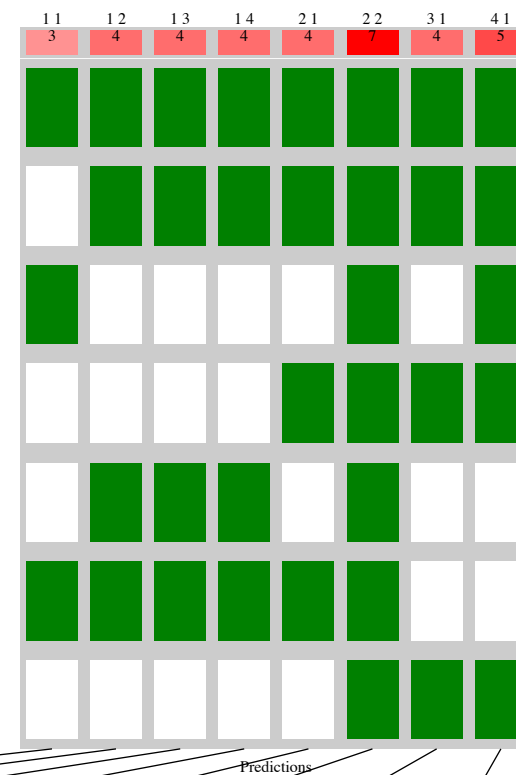
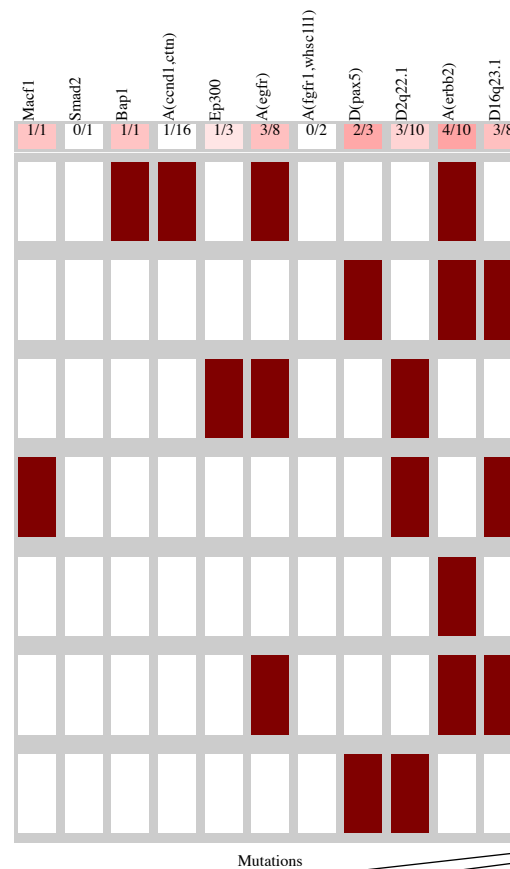
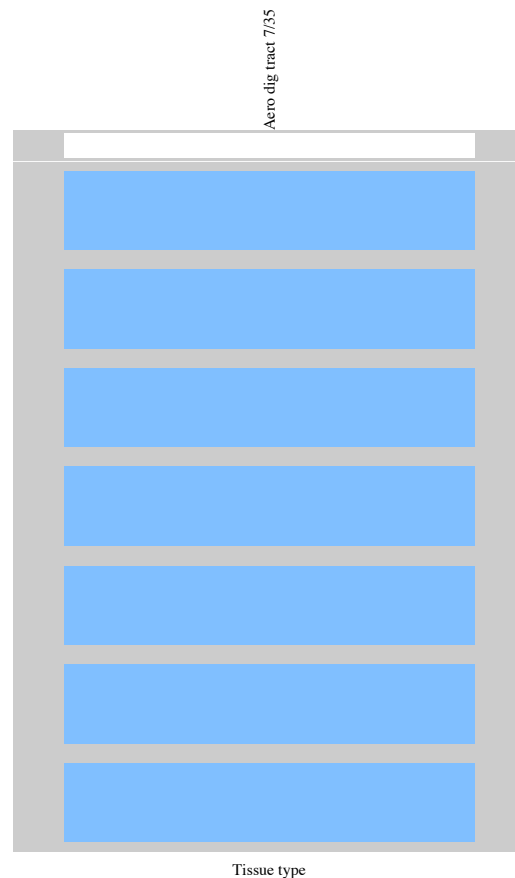
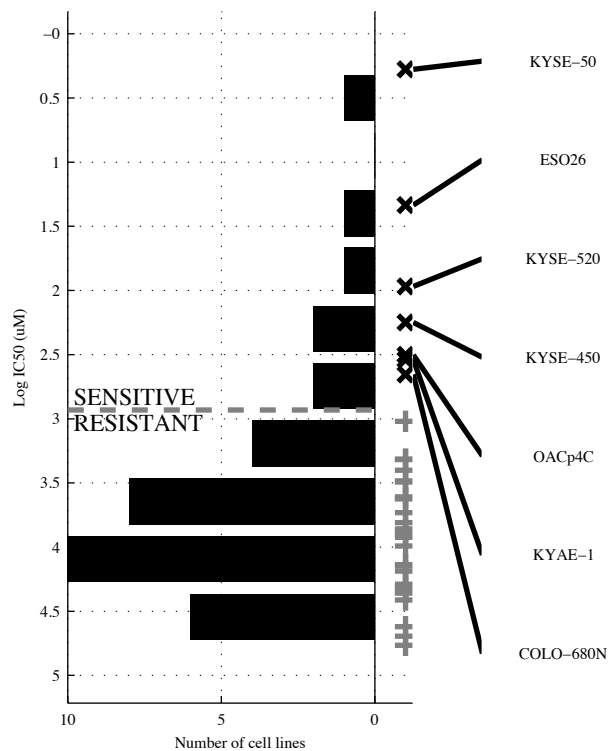


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d(PAX5)</b>	<b>¬a(CCNI&amp;a(ERBB</b>	<b>¬a(CCNI&amp;a(ERBB&amp;</b>	<b>¬SMAD&amp;a(CCNI&amp;</b>	<b>d(PAX5   VEGF-D</b>	<b>¬a(CCNI&amp;a(ERBB  </b>	<b>d(PAX5   FAT1  </b>	<b>d(PAX5   FAT1  </b>
TP   FP Specificity	1   2 0.93	2   4 0.87	2   3 0.9	2   1 0.97	2   2 0.93	3   4 0.87	3   2 0.93	3   2 0.93
FN   TN Precision	4   28 0.33	3   26 0.33	3   27 0.4	3   29 0.67	3   28 0.5	2   26 0.43	2   28 0.6	2   28 0.6
Recall	0.2	0.4	0.4	0.4	0.4	0.6	0.6	0.6



ESCA  
 id: 281 name: CH5424802  
 target: ALK class: RTK signaling

35 cell lines  
 7 sensitive

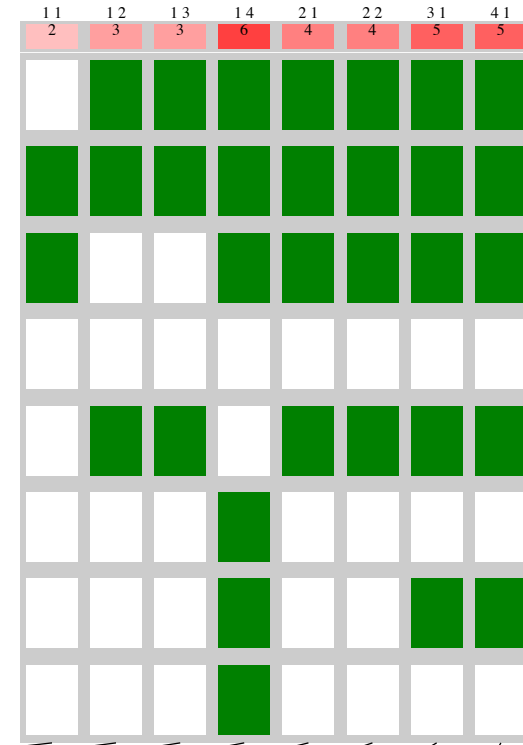
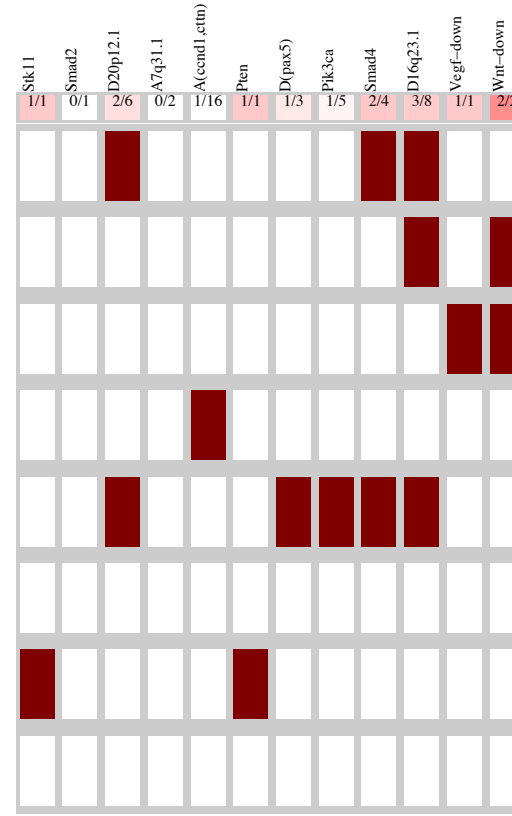
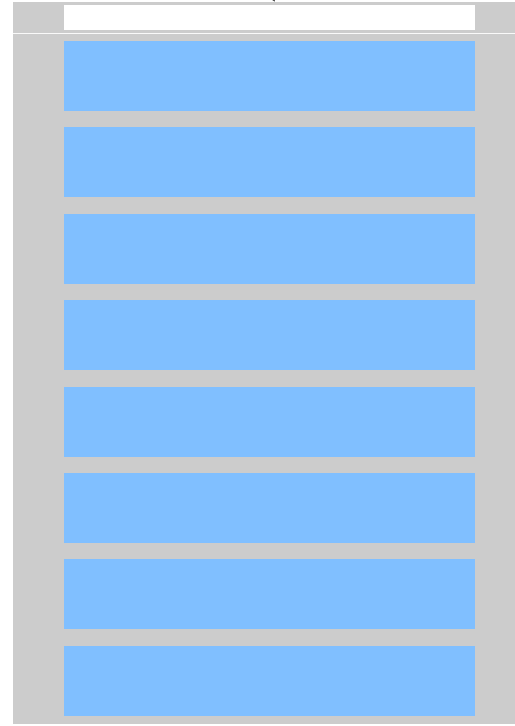
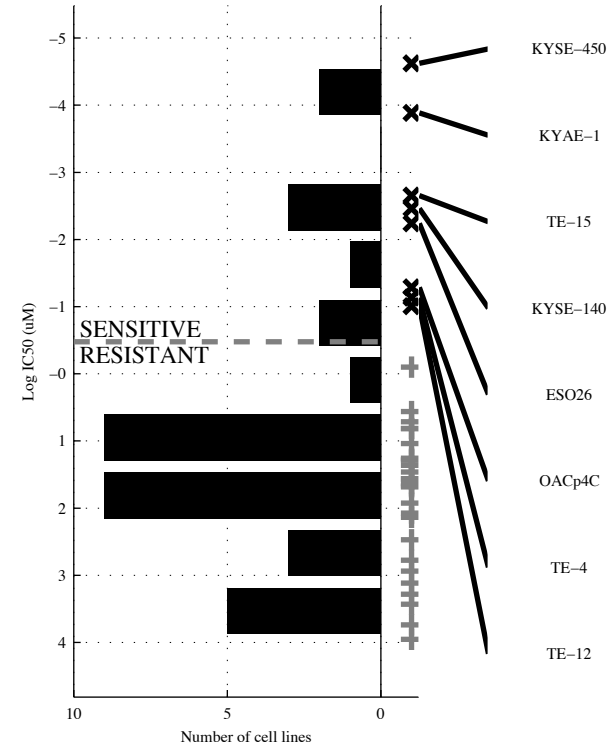


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>a(EGFR)</b>	<b>¬d2q22.&amp;a(ERBB)</b>	<b>¬SMAD2&amp;¬d2q22.&amp;a(ERBB)</b>	<b>¬SMAD2&amp;a(FGFR3)&amp;¬d2q22.&amp;a(ERBB)</b>	<b>BAP1   d16q23</b>	<b>[¬a(CCNE1&amp;d2q22.1)   [¬d2q22.&amp;a(ERBB)]]</b>	<b>MACF1   BAP1   d(PAX5)</b>	<b>MACF1   BAP1   EP300   d(PAX5)</b>
TP   FP Specificity	3   5 0.82	4   4 0.86	4   3 0.89	4   2 0.93	4   5 0.82	7   5 0.82	4   1 0.96	5   3 0.89
FN   TN Precision	4   23 0.38	3   24 0.5	3   25 0.57	3   26 0.67	3   23 0.44	0   23 0.58	3   27 0.8	2   25 0.63
Recall	0.43	0.57	0.57	0.57	0.57	1	0.57	0.71

ESCA  
 id: 282 name: EKB-569  
 target: EGFR class: EGFR signaling

35 cell lines  
 8 sensitive

Aero dig tract 8/35

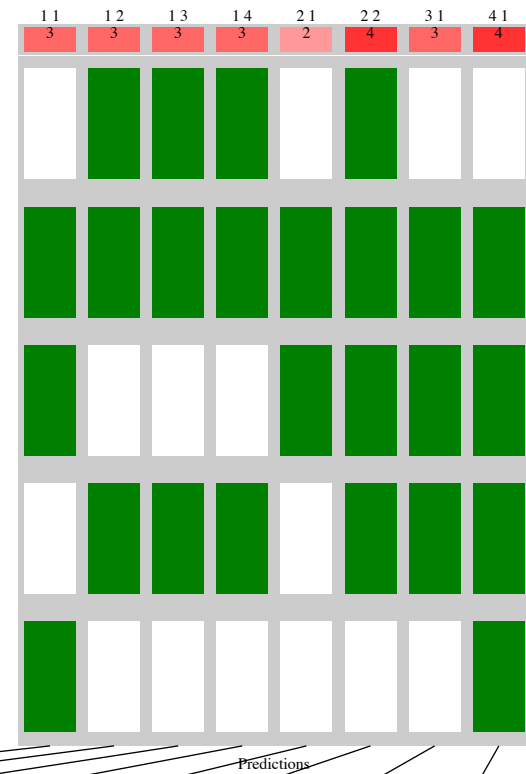
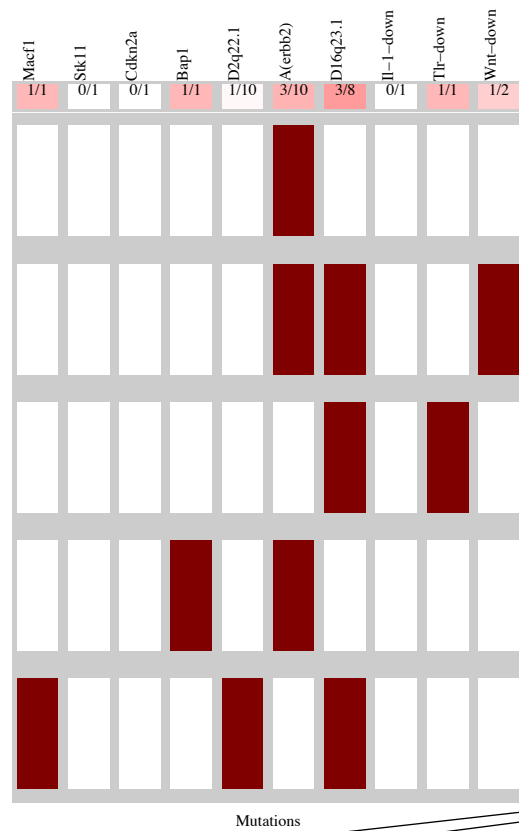
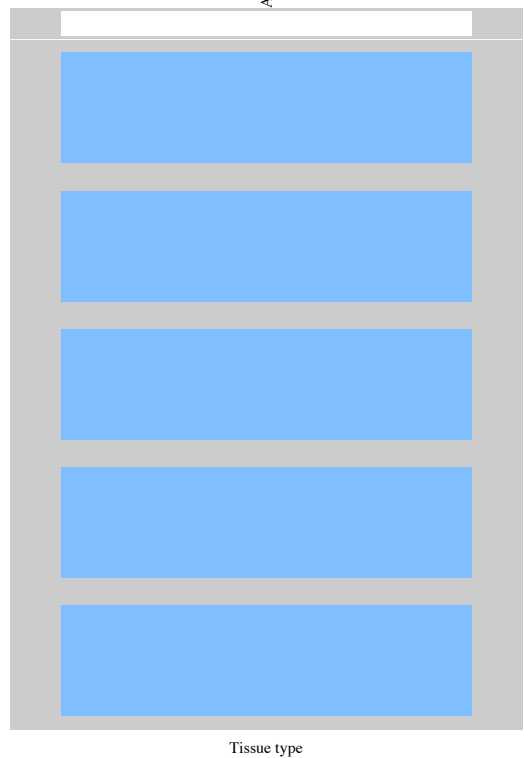
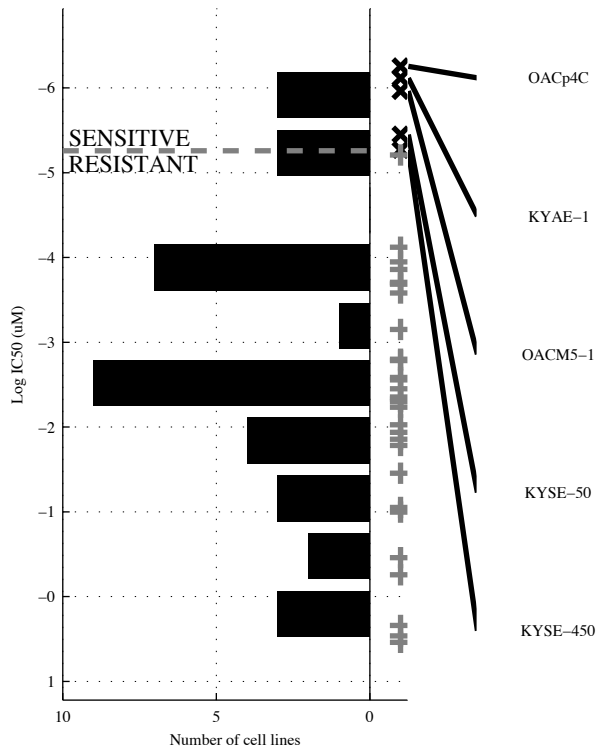


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>Wnt-DO</b>	<b>-a7q31.&amp;d16q23</b>	<b>-a7q31.&amp;a(CCNI&amp;d16q23</b>	<b>-a7q31.&amp;a(CCNI&amp;-d(PAX&amp;PIK3CA</b>	<b>SMAD4   Wnt-DO</b>	<b>[ d20p12 &amp; SMAD4 ]   [-SMAD2 &amp; Wnt-DO]</b>	<b>STK11   SMAD4   Wnt-DO</b>	<b>PTEN   SMAD4   VEGF-D   Wnt-DO</b>
TP   FP	2   0	3   3	3   2	6   5	4   2	4   0	5   2	5   2
Specificity	1	0.89	0.93	0.81	0.93	1	0.93	0.93
FN   TN	6   27	5   24	5   25	2   22	4   25	4   27	3   25	3   25
Precision	1	0.5	0.6	0.55	0.67	1	0.71	0.71
Recall	0.25	0.38	0.38	0.75	0.5	0.5	0.63	0.63

ESCA  
 id: 283 name: GSK2126458  
 target: PI3K, MTOR class: PI3K signaling

35 cell lines  
 5 sensitive

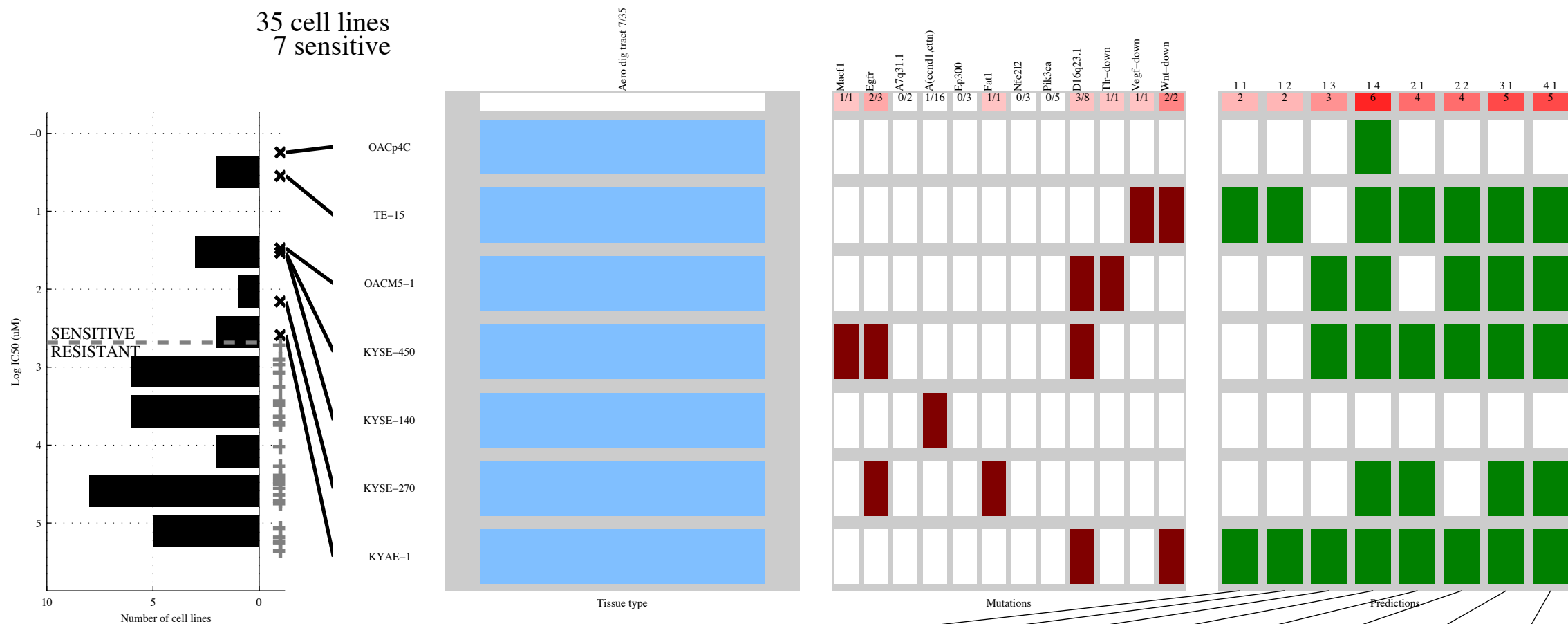
Aero dig tract 5/35



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	M		M		M		M		M		M		M		M	
Logic formula	<b>d16q23</b>		<b>-d2q22.&amp;a(ERBB</b>		<b>-d2q22.&amp;a(ERBB&amp;</b> <b>-IL-1-D</b>		<b>-CDKN2&amp;-d2q22.&amp;</b> <b>a(ERBB&amp;-IL-1-D</b>		<b>TLR-DO Wnt-DO</b>		<b>[ -STK11&amp;TLR-DO ]</b> <b> </b> <b>[ -d2q22.&amp;a(ERBB ]</b>		<b>BAP1  TLR-DO </b> <b>Wnt-DO</b>		<b>MACF1   BAP1  </b> <b>TLR-DO Wnt-DO</b>	
TP   FP	3   5	0.83	3   5	0.83	3   4	0.87	3   3	0.9	2   1	0.97	4   5	0.83	3   1	0.97	4   1	0.97
FN   TN	2   25	0.38	2   25	0.38	2   26	0.43	2   27	0.5	3   29	0.67	1   25	0.44	2   29	0.75	1   29	0.8
Specificity	0.83		0.83		0.87		0.9		0.97		0.83		0.97		0.97	
Precision	0.38		0.38		0.43		0.5		0.67		0.44		0.75		0.8	
Recall	0.6		0.6		0.6		0.6		0.4		0.8		0.6		0.8	

ESCA  
 id: 288 name: KIN001-055  
 target: JAK3, MNK1 class: other

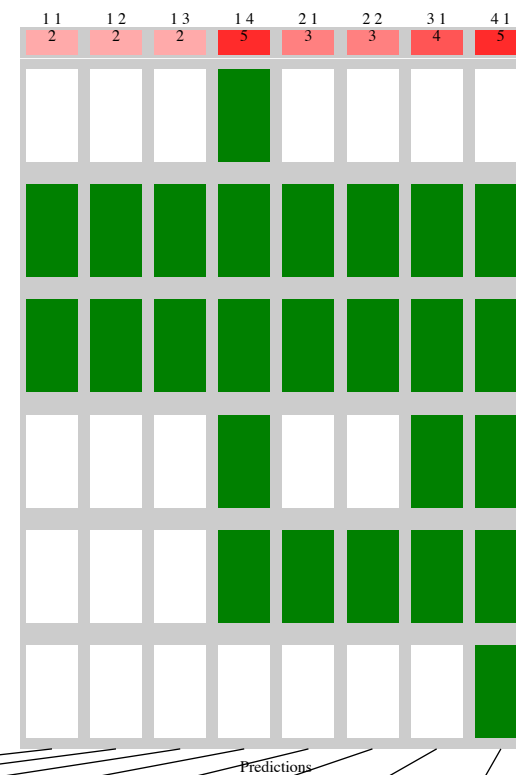
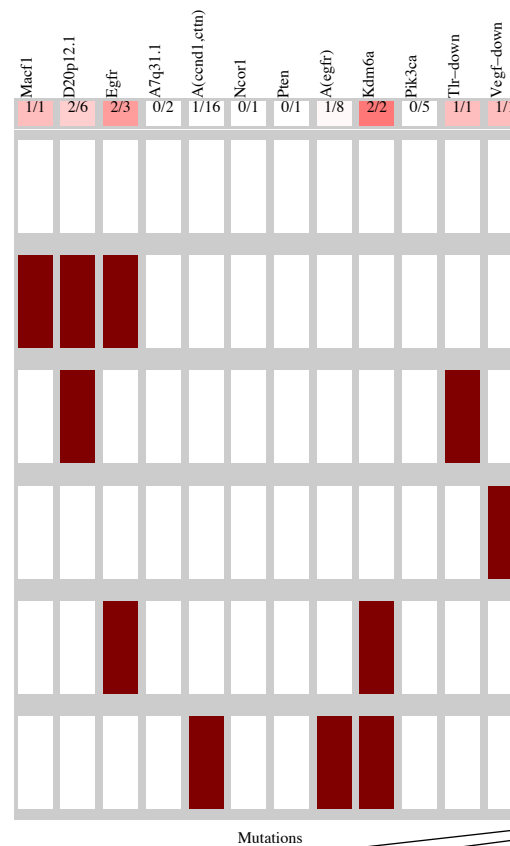
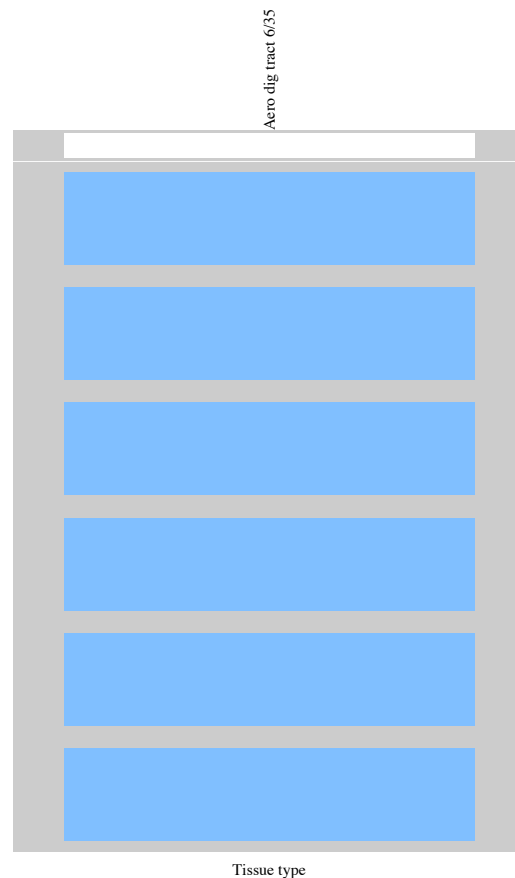
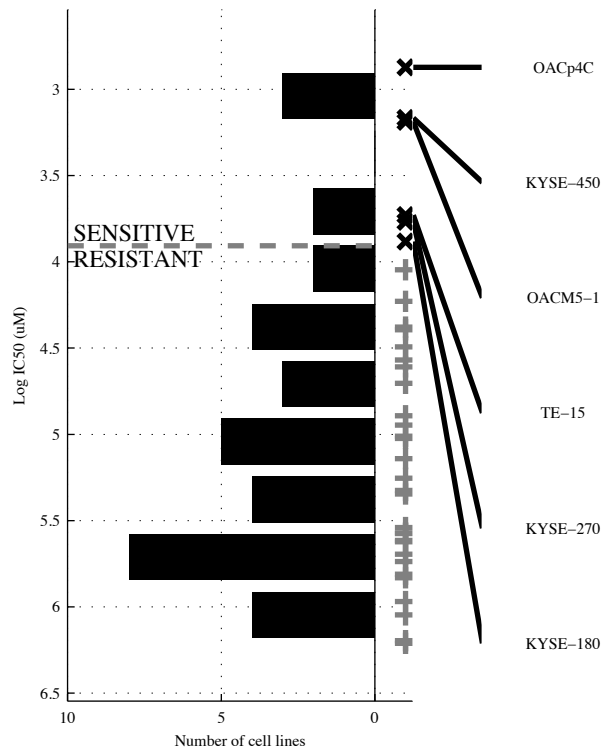
35 cell lines  
 7 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>Wnt-DO</b>	<b>Wnt-DO &amp;</b>	<b>¬a7q31.&amp;a(CCNI&amp;</b> <b>d16q23</b>	<b>¬a7q31.&amp;a(CCNI&amp;</b> <b>¬EP300&amp;PIK3CA</b>	<b>EGFR  Wnt-DO</b>	<b>[¬NFE2L&amp;VEGF-D]</b> <b> </b> <b>[ ¬a7q31.&amp;d16q23 ]</b>	<b>EGFR  TLR-DO</b> <b>Wnt-DO</b>	<b>MACF1   FAT1  </b> <b>TLR-DO Wnt-DO</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{2}{5} \mid \frac{0}{28}$ 1 0.29	$\frac{2}{5} \mid \frac{0}{28}$ 1 0.29	$\frac{3}{4} \mid \frac{2}{26}$ 0.93 0.6 0.43	$\frac{6}{1} \mid \frac{5}{23}$ 0.82 0.55 0.86	$\frac{4}{3} \mid \frac{1}{27}$ 0.96 0.8 0.57	$\frac{4}{3} \mid \frac{3}{25}$ 0.89 0.57 0.57	$\frac{5}{2} \mid \frac{1}{27}$ 0.96 0.83 0.71	$\frac{5}{2} \mid \frac{0}{28}$ 1 1 0.71

ESCA  
 id: 290 name: KIN001-260  
 target: IKK class: other

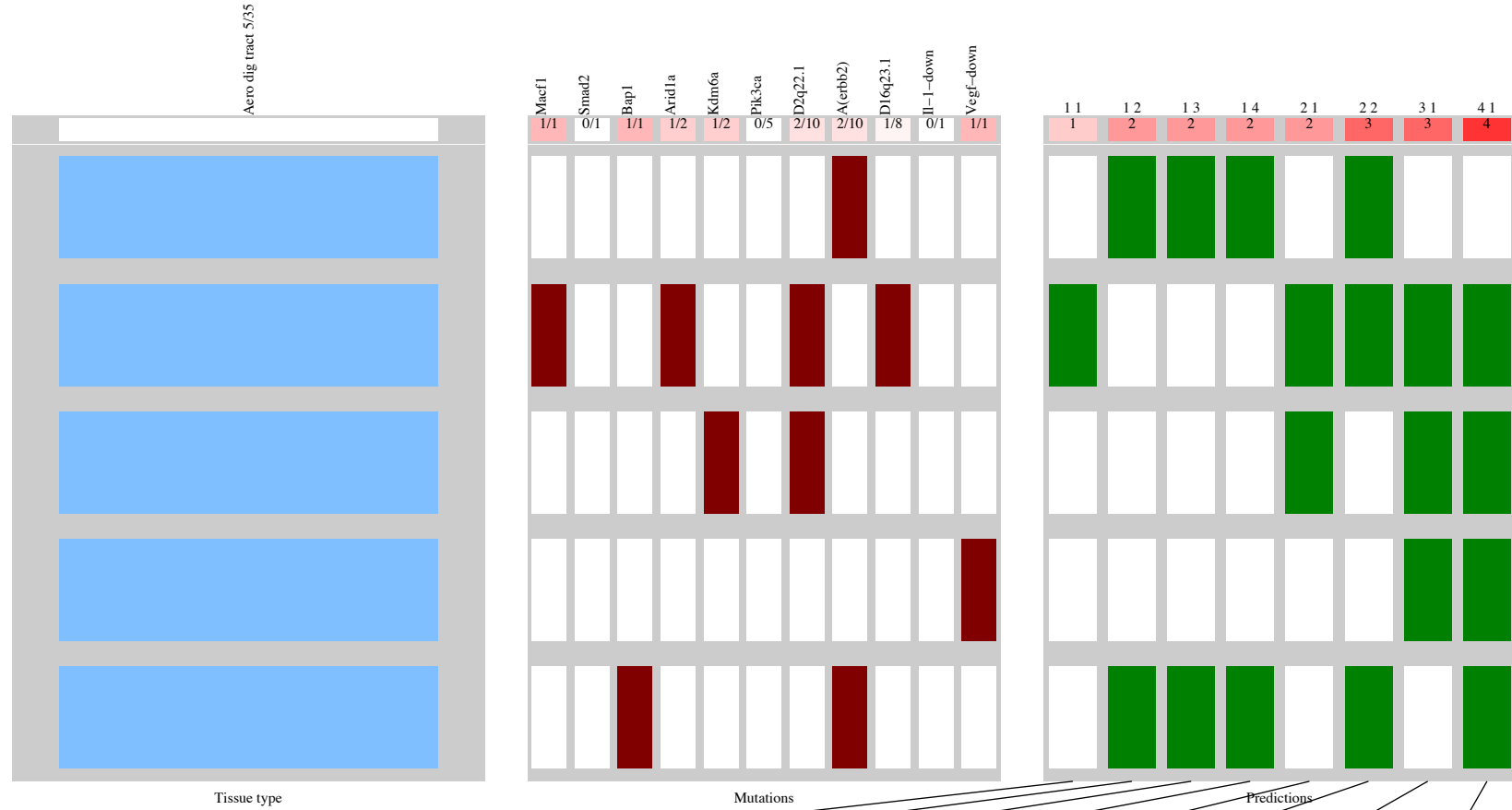
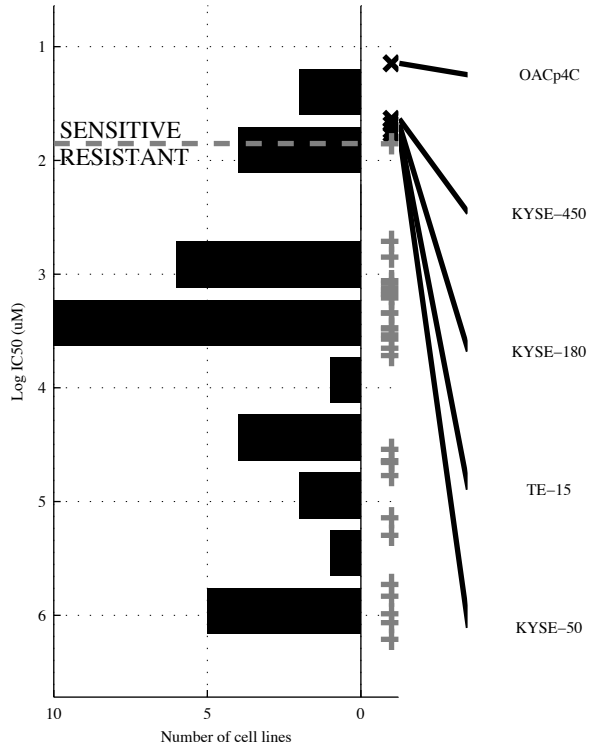
35 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d20p12</b>	<b>d20p12 &amp; PIK3CA</b>	<b>d20p12 &amp; a7q31 &amp; PIK3CA</b>	<b>a7q31 &amp; a(CCND1) &amp; a(EGFR) &amp; PIK3CA</b>	<b>EGFR   TLR-DO</b>	<b>[ aPTEN &amp; TLR-DO ]</b>	<b>EGFR   TLR-DO</b>	<b>MACF1   KDM6A   TLR-DO   VEGF-D</b>
TP   FP Specificity	2   4 0.86	2   2 0.93	2   1 0.97	5   5 0.83	3   1 0.97	3   0 1	4   1 0.97	5   0 1
FN   TN Precision	4   25 0.33	4   27 0.5	4   28 0.67	1   24 0.5	3   28 0.75	3   29 1	2   28 0.8	1   29 1
Recall	0.33	0.33	0.33	0.83	0.5	0.5	0.67	0.83

ESCA  
 id: 294 name: MPS-1-IN-1  
 target: MPS1 class: mitosis

35 cell lines  
 5 sensitive

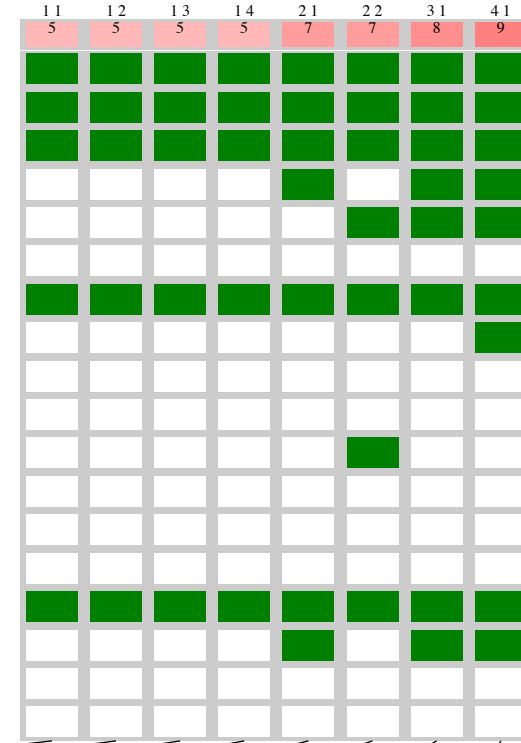
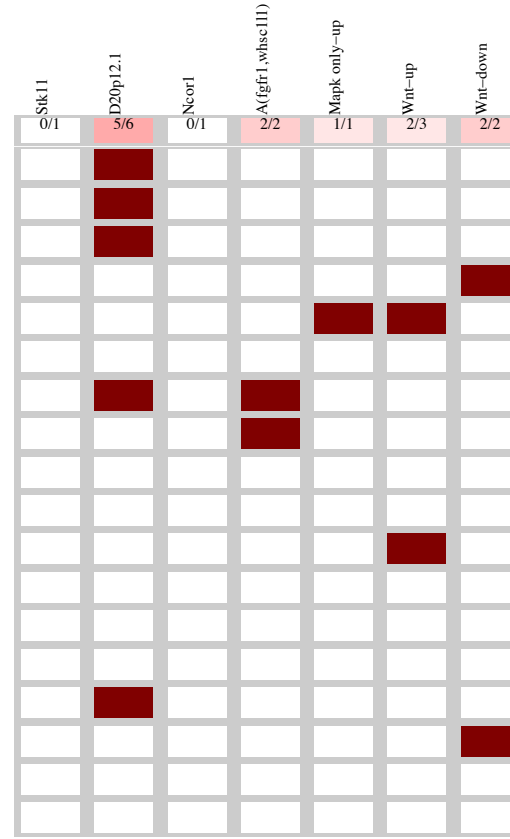
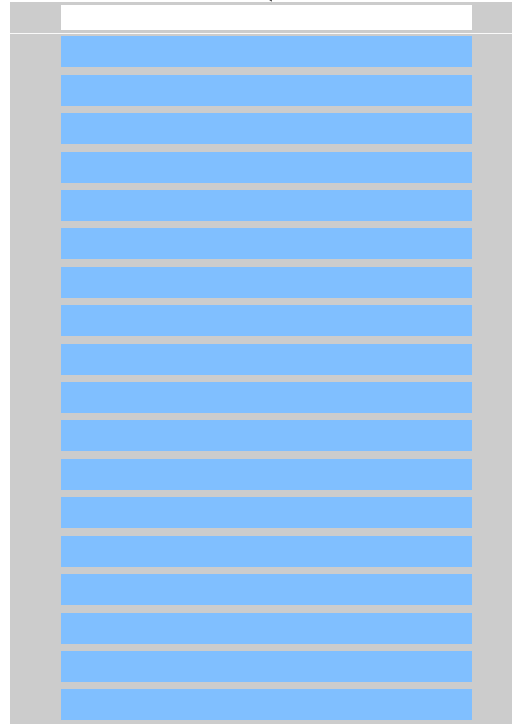
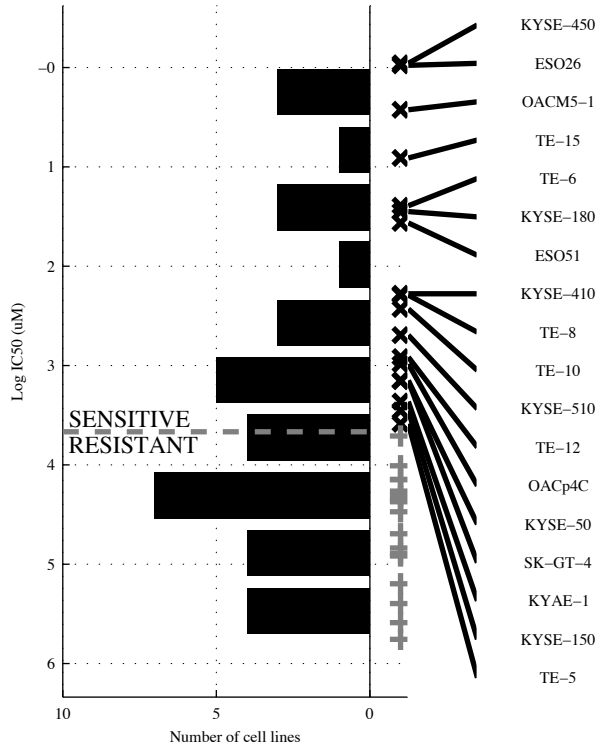


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MACF1</b>	<b>a(ERBB&amp;-d16q23</b>	<b>a(ERBB&amp;-d16q23&amp; -IL-1-D</b>	<b>-SMAD&amp;-d2q22.&amp; a(ERBB&amp;-d16q23</b>	<b>MACF1   KDM6A</b>	<b>[ a(ERBB&amp;-d16q23 ]   [ ARID1A&amp;PIK3CA ]</b>	<b>MACF1   KDM6A   VEGF-D</b>	<b>MACF1   BAP1   KDM6A   VEGF-D</b>
TP   FP	1   0	2   5	2   4	2   2	2   1	3   5	3   1	4   1
Specificity	1	0.83	0.87	0.93	0.97	0.83	0.97	0.97
FN   TN	4   30	3   25	3   26	3   28	3   29	2   25	2   29	1   29
Precision	1	0.29	0.33	0.5	0.67	0.38	0.75	0.8
Recall	0.2	0.4	0.4	0.4	0.4	0.6	0.6	0.8

ESCA  
 id: 300 name: CX-5461  
 target: RNA Pol I class: other

35 cell lines  
 18 sensitive

Aero dig tract 18/35

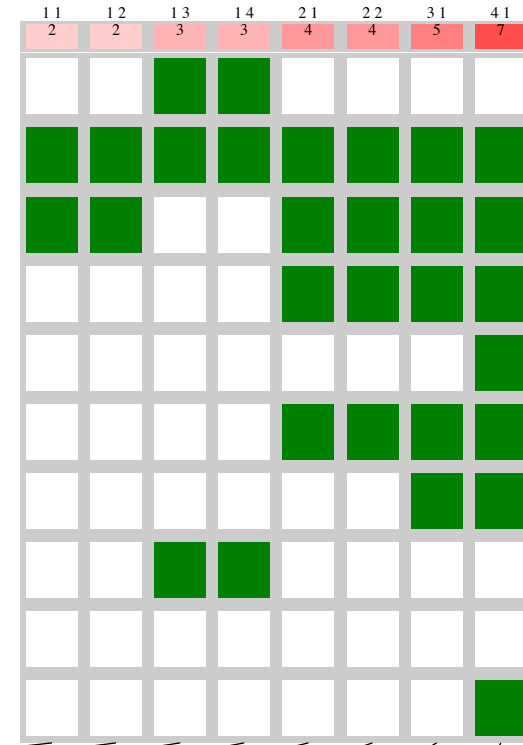
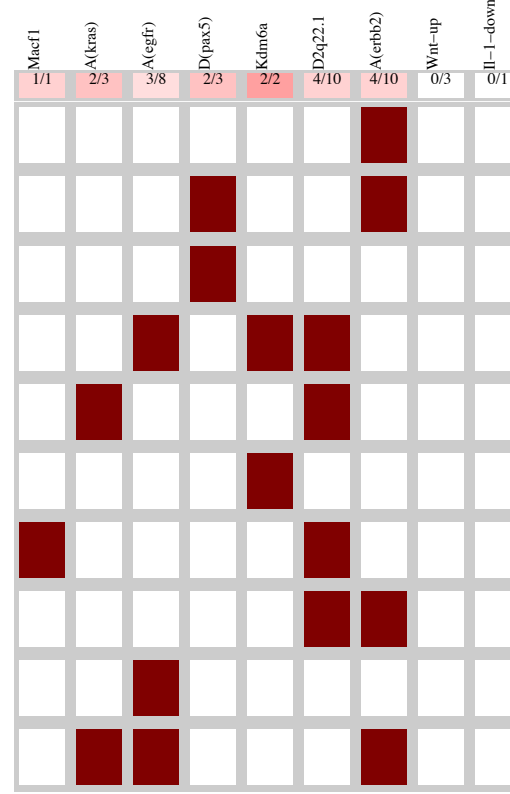
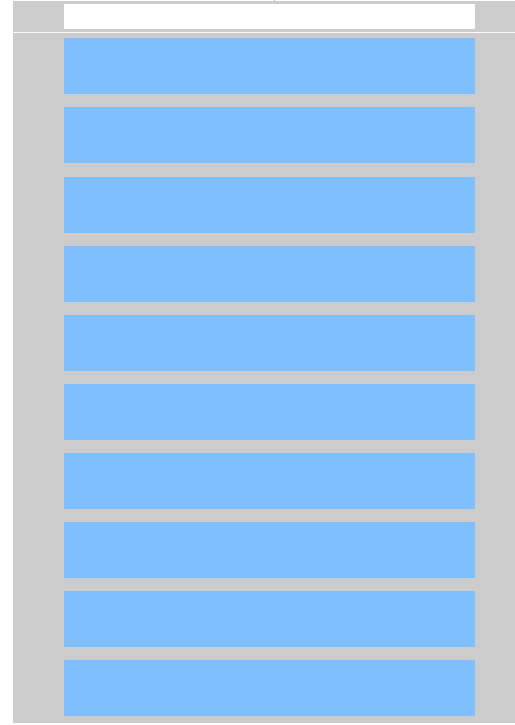
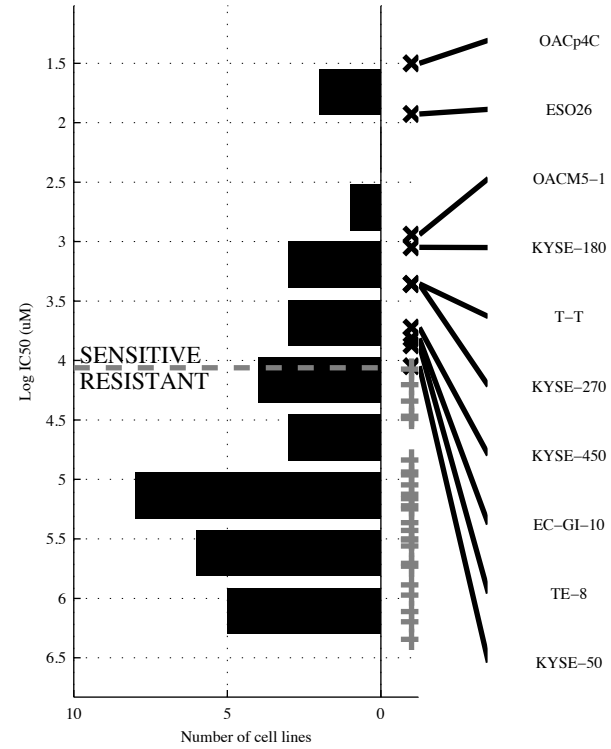


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d20p12</b>	<b>d20p12 &amp;</b>	<b>-STK11 &amp; d20p12 &amp;</b>	<b>-STK11 &amp; d20p12 &amp;</b>	<b>d20p12   Wnt-DO</b>	<b>[ d20p12 &amp;   [-NCOR &amp; Wnt-UP]</b>	<b>d20p12   MAPK o   Wnt-DO</b>	<b>d20p12   a(FGFR   MAPK o   Wnt-DO</b>
TP   FP Specificity	5   1 0.94	5   1 0.94	5   1 0.94	5   1 0.94	7   1 0.94	7   1 0.94	8   1 0.94	9   1 0.94
FN   TN Precision	13   16 0.83	13   16 0.83	13   16 0.83	13   16 0.83	11   16 0.88	11   16 0.88	10   16 0.89	9   16 0.9
Recall	0.28	0.28	0.28	0.28	0.39	0.39	0.44	0.5

ESCA  
 id: 309 name: Y-39983  
 target: ROCK class: cytoskeleton

35 cell lines  
 10 sensitive

Aero dig tract 10/35



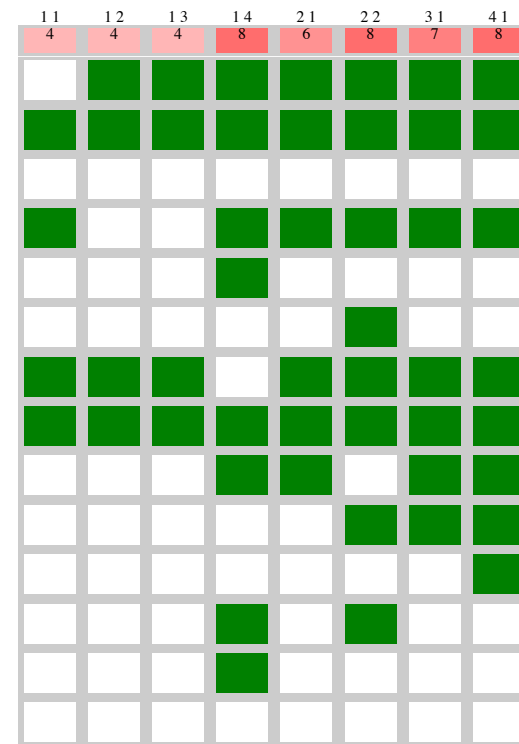
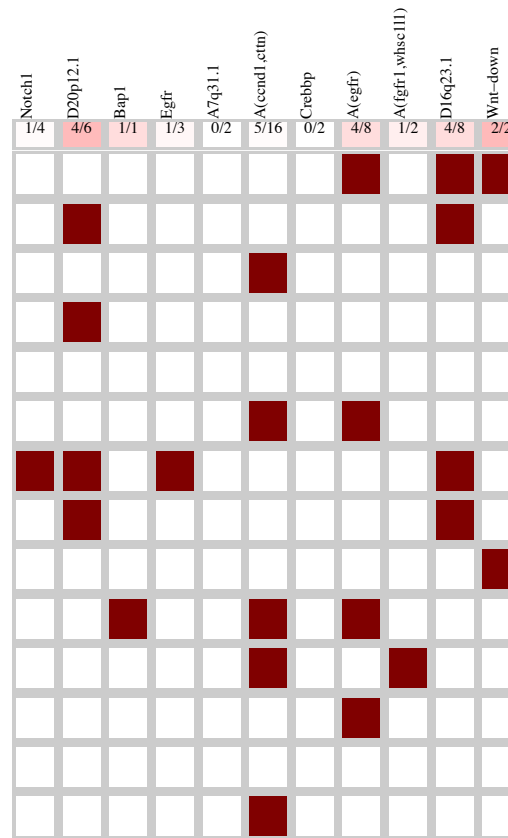
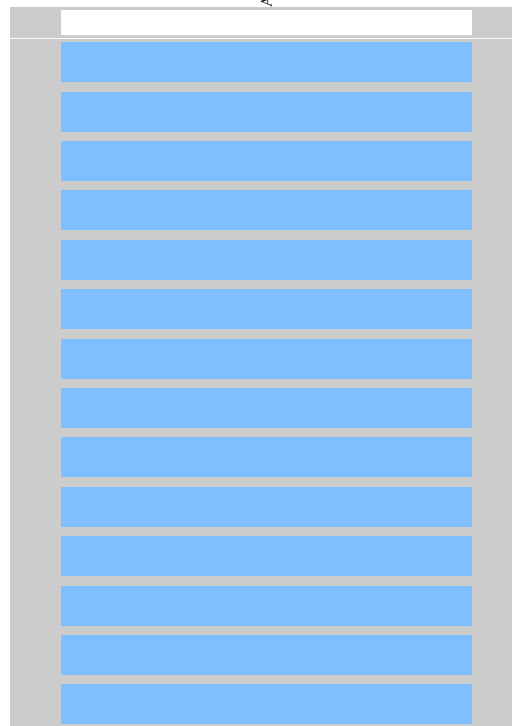
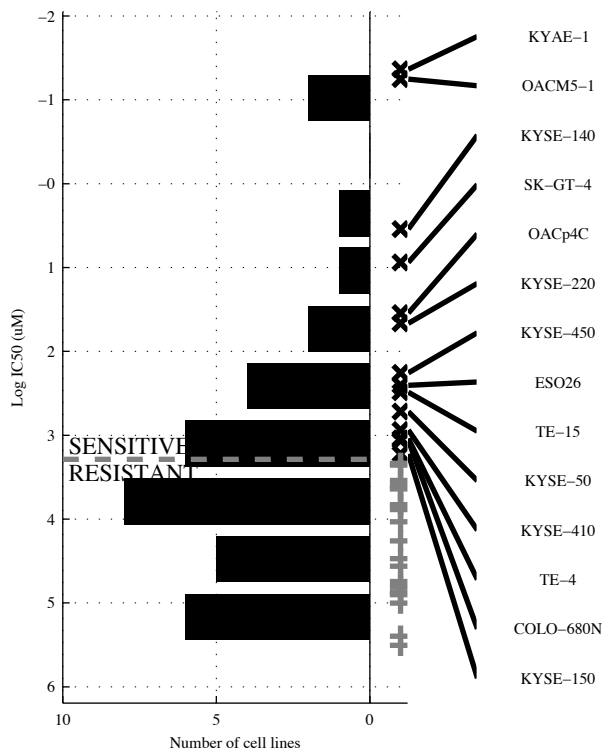
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d(PAX5)</b>	<b>d(PAX5 &amp; ~d2q22.)</b>	<b>~a(EGFR &amp; a(ERBB2))</b> <b>~Wnt-UP</b>	<b>~a(EGFR &amp; a(ERBB2))</b> <b>~Wnt-UP &amp; ~IL-1-D</b>	<b>d(PAX5   KDM6A)</b>	<b>[ d(PAX5 &amp; ~d2q22.)   KDM6A &amp; Wnt-UP ]</b>	<b>MACF1   d(PAX5   KDM6A)</b>	<b>MACF1   a(KRAS   d(PAX5   KDM6A)</b>
TP   FP	2   1	2   0	3   3	3   2	4   1	4   0	5   1	7   2
Specificity	0.96	1	0.88	0.92	0.96	1	0.96	0.92
FN   TN	8   24	8   25	7   22	7   23	6   24	6   25	5   24	3   23
Precision	0.67	1	0.5	0.6	0.8	1	0.83	0.78
Recall	0.2	0.2	0.3	0.3	0.4	0.4	0.5	0.7



ESCA  
 id: 326 name: GSK690693  
 target: AKT class: PI3K signaling

35 cell lines  
 14 sensitive

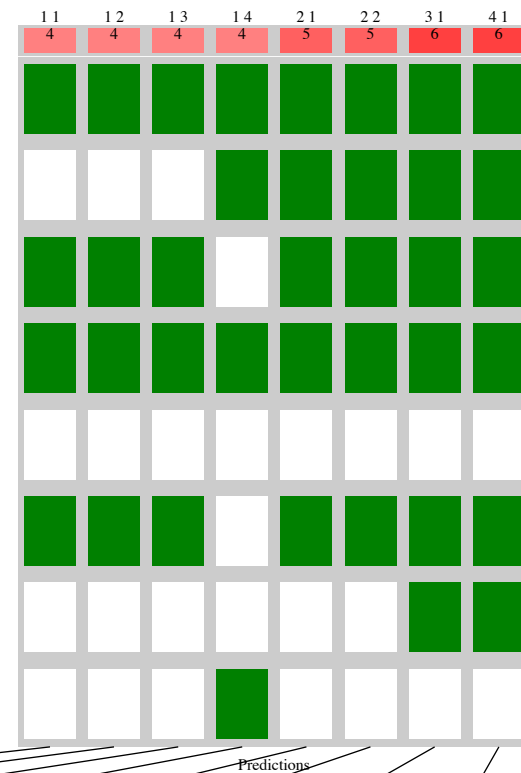
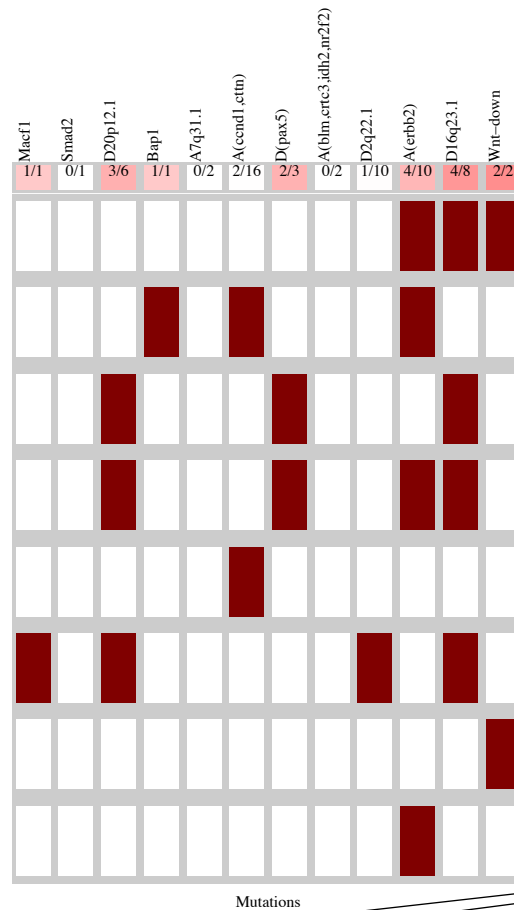
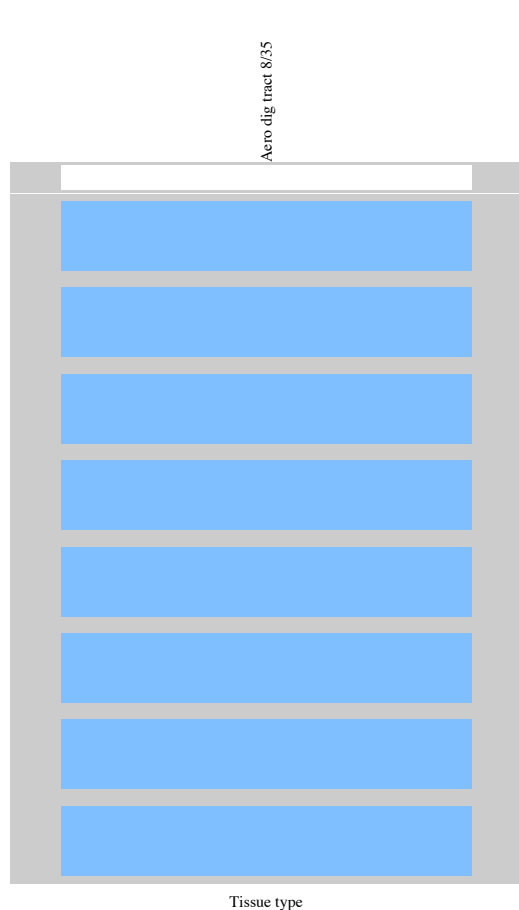
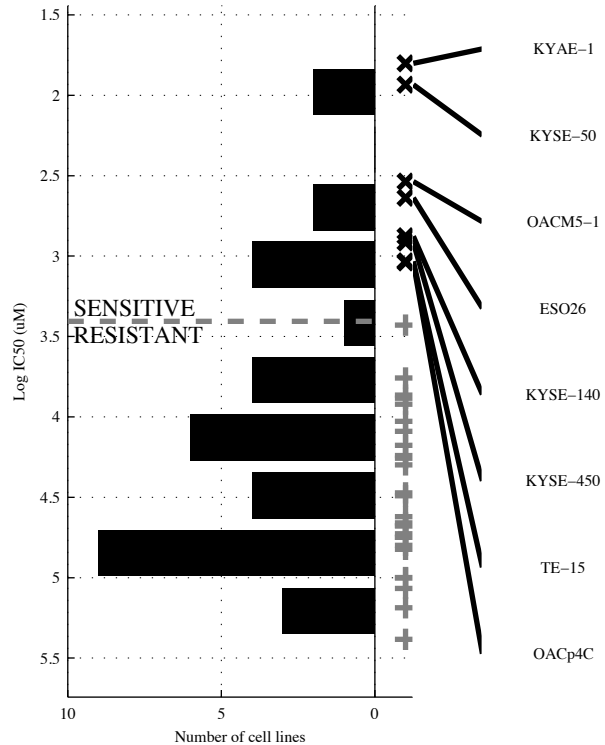
Aero dig tract 14/35



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d20p12</b>	<b>¬a7q31.&amp;d16q23</b>	<b>¬a7q31.&amp;a(CCND)</b> <b>d16q23</b>	<b>¬NOTCH1&amp;¬EGFR</b> <b>¬a7q31.&amp;a(CCND)</b>	<b>d20p12   Wnt-DO</b>	<b>[ CREBBP &amp; (EGFR) ]</b> <b> </b> <b>[ d20p12 &amp; ¬a7q31. ]</b>	<b>d20p12   BAP1  </b> <b>Wnt-DO</b>	<b>d20p12   BAP1  </b> <b>a(FGFR   Wnt-DO)</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{4}{10} \mid \frac{2}{19}$ 0.9 0.67 0.29	$\frac{4}{10} \mid \frac{2}{19}$ 0.9 0.67 0.29	$\frac{4}{10} \mid \frac{1}{20}$ 0.95 0.8 0.29	$\frac{8}{6} \mid \frac{4}{17}$ 0.81 0.67 0.57	$\frac{6}{8} \mid \frac{2}{19}$ 0.9 0.75 0.43	$\frac{8}{6} \mid \frac{4}{17}$ 0.81 0.67 0.57	$\frac{7}{7} \mid \frac{2}{19}$ 0.9 0.78 0.5	$\frac{8}{6} \mid \frac{2}{19}$ 0.9 0.8 0.57

ESCA  
 id: 329 name: QL-XI-92  
 target: DDR1 class: RTK signaling

35 cell lines  
 8 sensitive



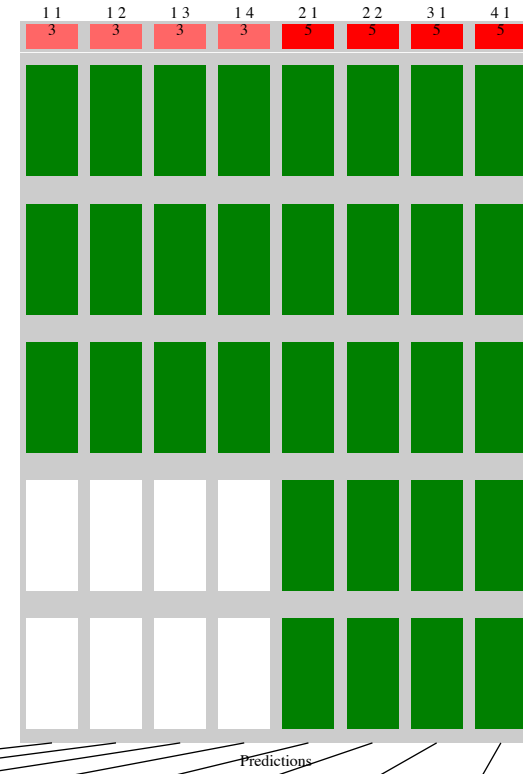
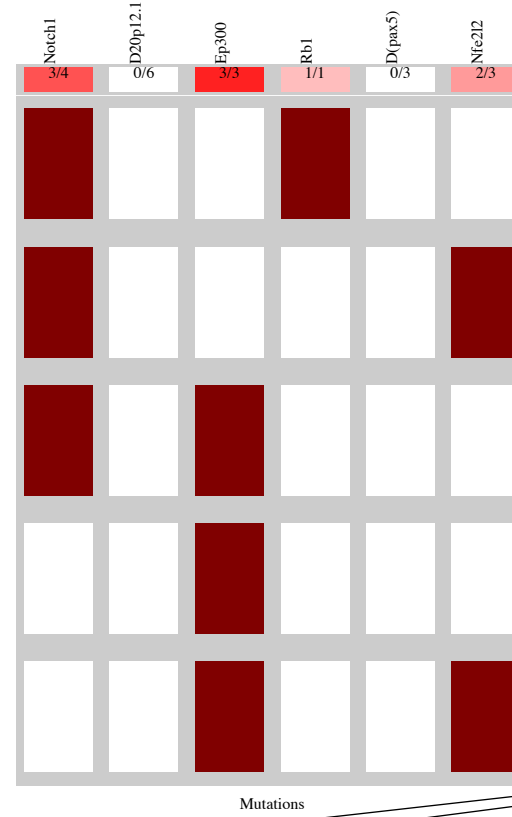
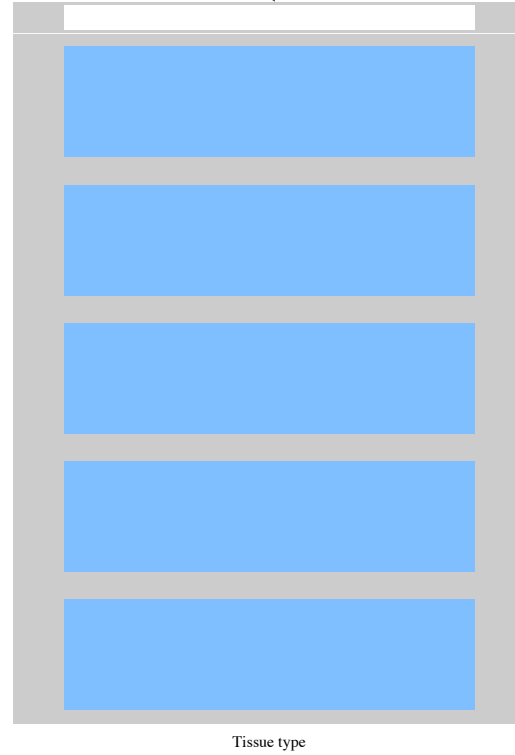
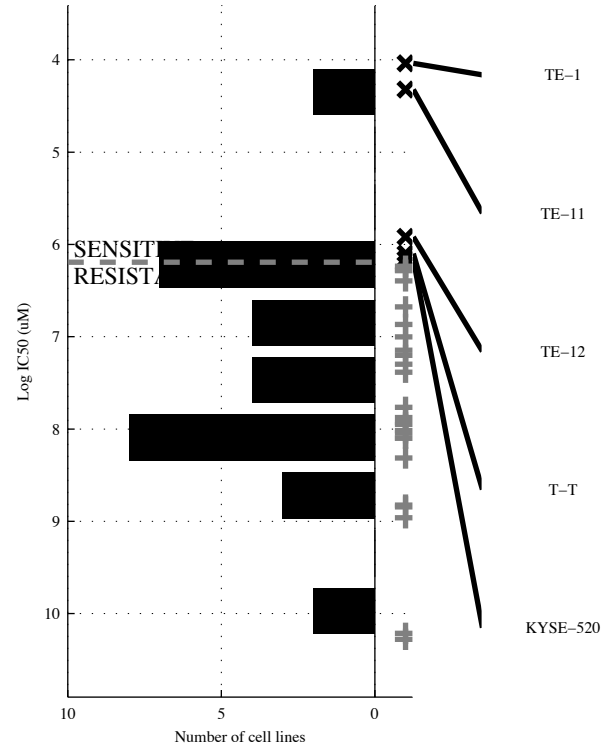
Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>d16q23</b>		<b>¬a7q31.&amp;d16q23</b>		<b>¬a7q31.&amp;a(CCNI&amp;d16q23</b>		<b>¬SMAD&amp;¬a(BLM&amp;¬d2q22.&amp;a(ERBB</b>		<b>BAP1   d16q23</b>		<b>[ BAP1 &amp;   [ ¬a7q31.&amp;d16q23 ]</b>		<b>d20p12   BAP1   Wnt-DO</b>		<b>MACF1   BAP1   d(PAX5  Wnt-DO</b>	
TP   FP	4   4	4   2	4   1	4   2	4   4	5   4	5   3	6   3	6   2	6   1	6   1	6   3	6   1	6   1	6   1	6   1
Specificity	0.85	0.93	0.96	0.93	0.85	0.93	0.89	0.85	0.89	0.86	0.85	0.89	0.86	0.85	0.86	0.86
Precision	0.5	0.67	0.8	0.67	0.56	0.71	0.67	0.67	0.71	0.86	0.63	0.67	0.86	0.67	0.86	0.86
Recall	0.5	0.5	0.5	0.5	0.63	0.63	0.75	0.63	0.63	0.75	0.63	0.75	0.63	0.63	0.75	0.75



ESCA  
 id: 1001 name: AICAR  
 target: AAPK1 (AMPK) agonist class: metabolism

30 cell lines  
 5 sensitive

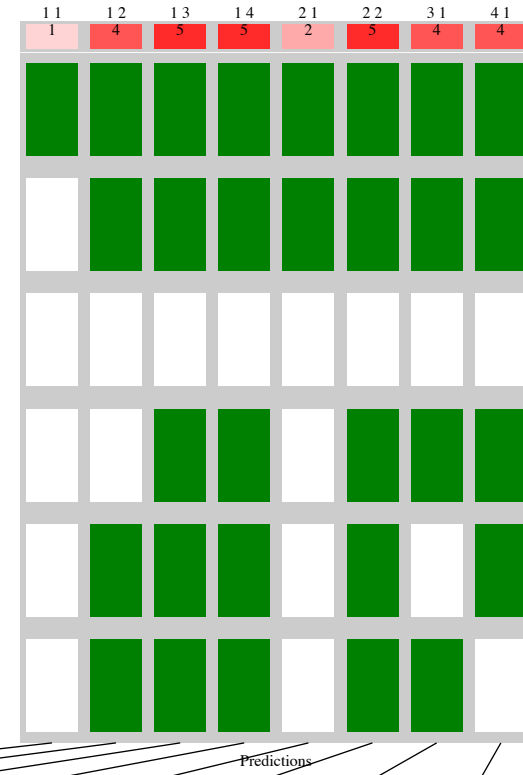
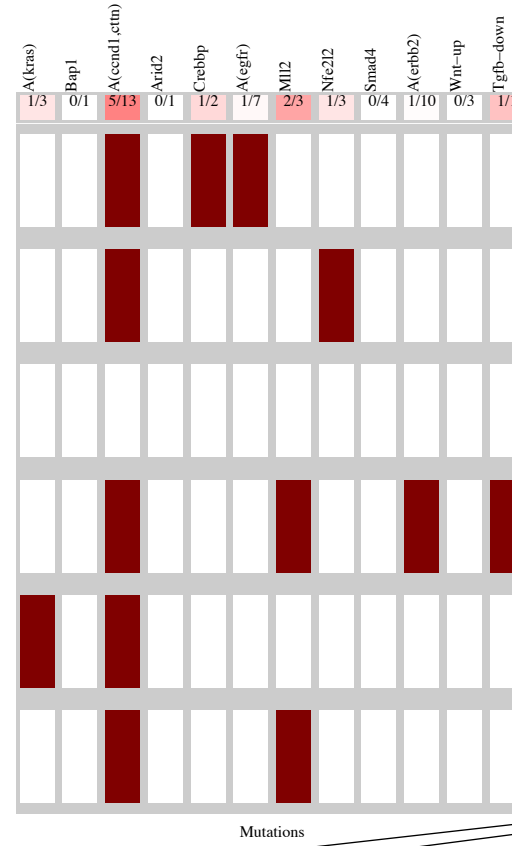
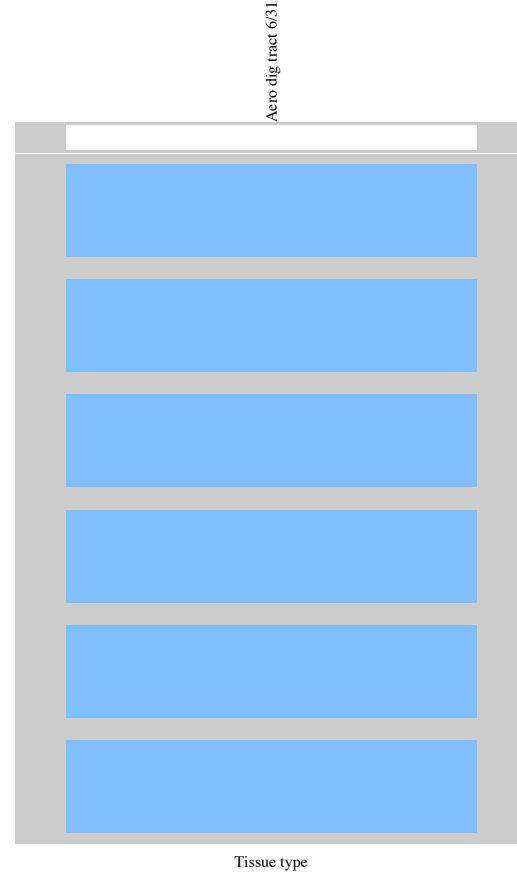
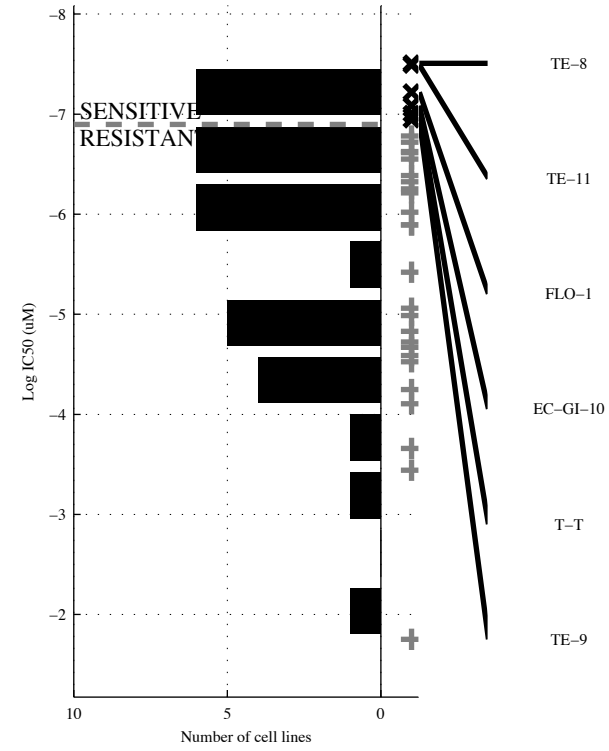
Aero dig tract 5/30



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>NOTCH1</b>	<b>NOTCH1 &amp; d20p12</b>	<b>NOTCH1 &amp; d20p12 &amp;</b>	<b>NOTCH1 &amp; d20p12 &amp;</b>	<b>NOTCH1   EP300</b>	<b>[ EP300 &amp; d(PAX5)   NOTCH1 &amp; d20p12 ]</b>	<b>EP300   RB1   NFE2L2</b>	<b>EP300   RB1   NFE2L2  </b>
TP   FP Specificity FN   TN Precision Recall	$\frac{3}{2} \mid \frac{1}{24}$ 0.96 0.75 0.6	$\frac{3}{2} \mid \frac{0}{25}$ 1 1 0.6	$\frac{3}{2} \mid \frac{0}{25}$ 1 1 0.6	$\frac{3}{2} \mid \frac{0}{25}$ 1 1 0.6	$\frac{5}{0} \mid \frac{1}{24}$ 0.96 0.83 1	$\frac{5}{0} \mid \frac{0}{25}$ 1 1 1	$\frac{5}{0} \mid \frac{1}{24}$ 0.96 0.83 1	$\frac{5}{0} \mid \frac{1}{24}$ 0.96 0.83 1

ESCA  
 id: 1007 name: Docetaxel  
 target: Microtubules class: cytoskeleton

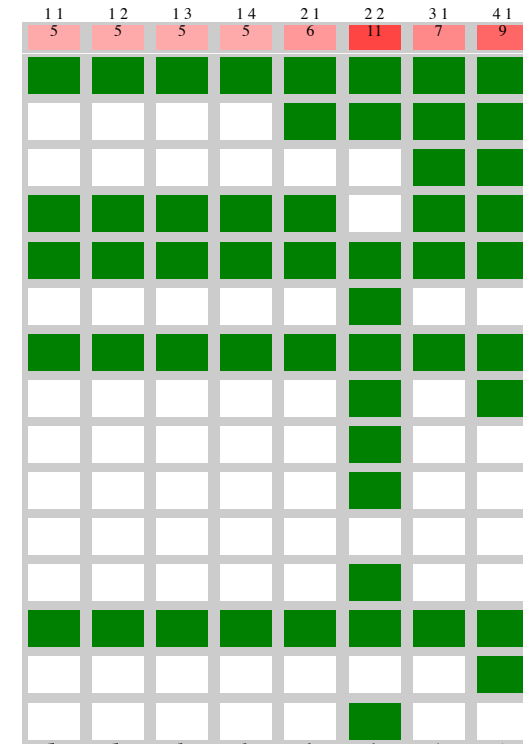
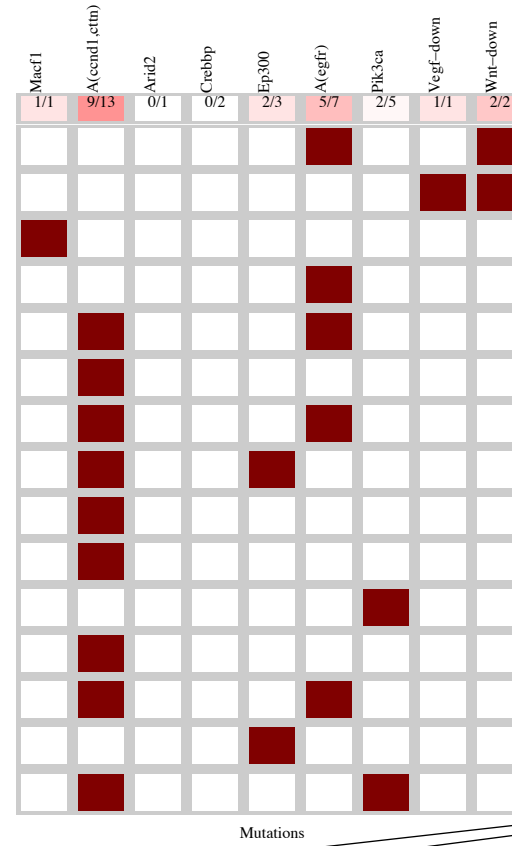
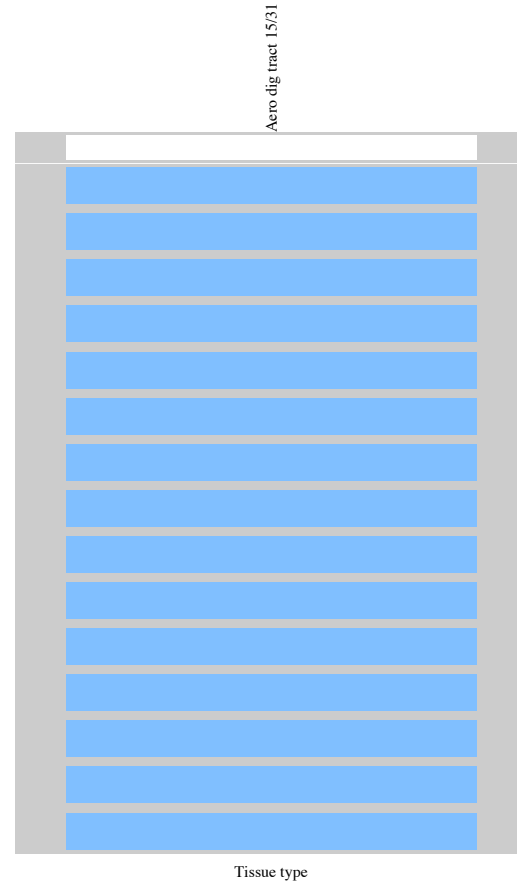
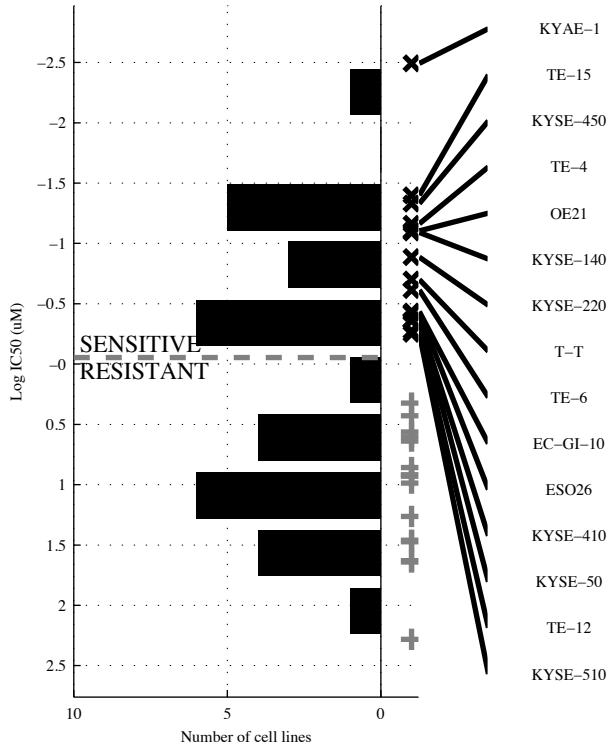
31 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>CREBBP</b>	<b>a(CCND&amp;a(ERBB</b>	<b>a(CCND&amp;SMAD&amp;</b> <b>~Wnt-UP</b>	<b>~BAP1&amp;a(CCND&amp;</b> <b>~ARID2&amp;Wnt-UP</b>	<b>CREBBP NFE2L2</b>	<b>[a(CCND&amp;a(ERBB]</b> <b> </b> <b>[~a(EGFR&amp;TGFB-D]</b>	<b>CREBBP  MLL2  </b> <b>NFE2L2</b>	<b>a(KRAS CREBBP </b> <b>NFE2L2 TGFB-D</b>
TP   FP Specificity	1   1 0.96	4   5 0.8	5   5 0.8	5   4 0.84	2   3 0.88	5   5 0.8	4   4 0.84	4   5 0.8
FN   TN Precision	5   24 0.5	2   20 0.44	1   20 0.5	1   21 0.56	4   22 0.4	1   20 0.5	2   21 0.5	2   20 0.44
Recall	0.17	0.67	0.83	0.83	0.33	0.83	0.67	0.67

ESCA  
 id: 1010 name: Gefitinib  
 target: EGFR class: EGFR signaling

31 cell lines  
 15 sensitive

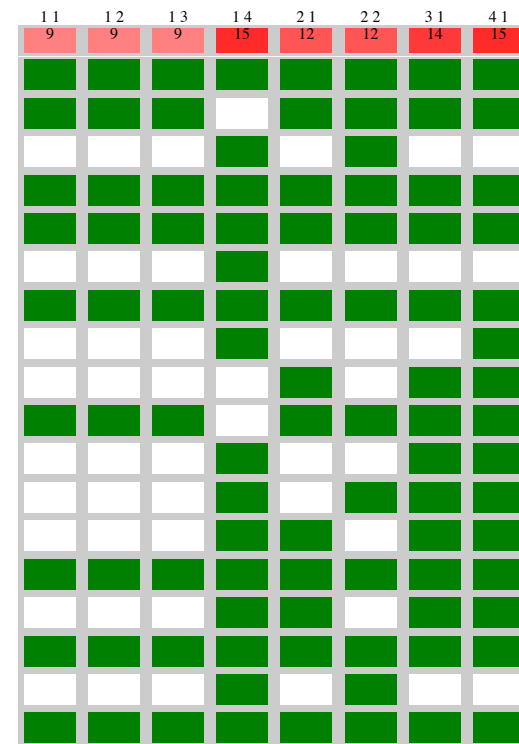
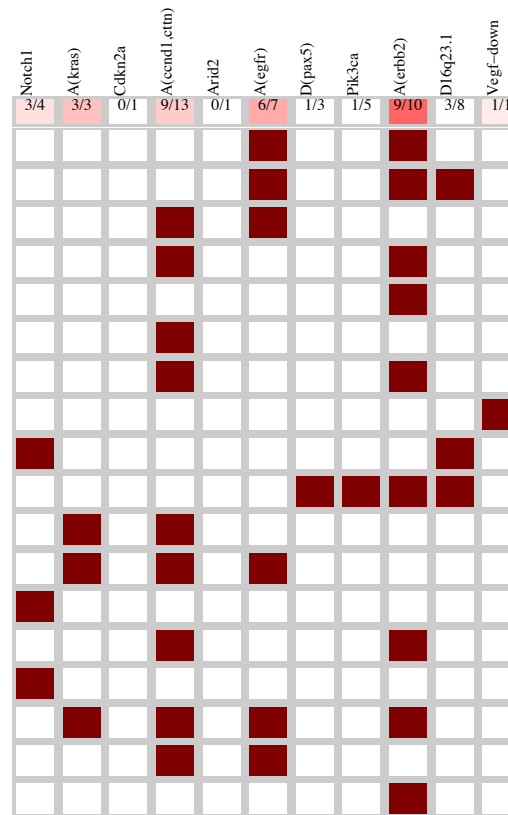
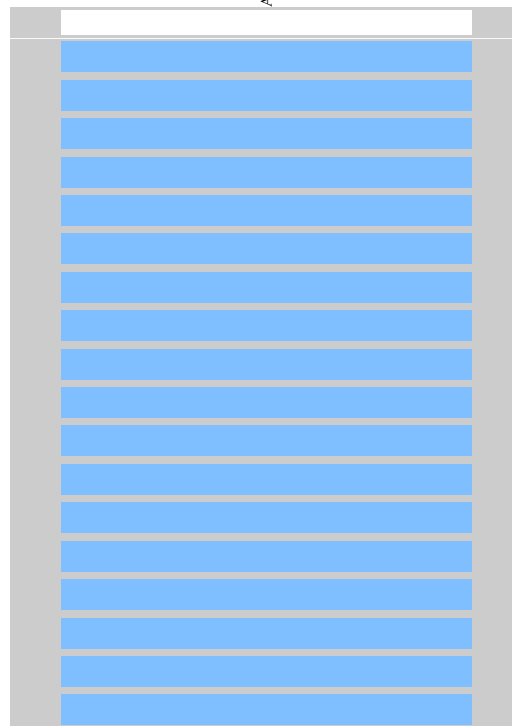
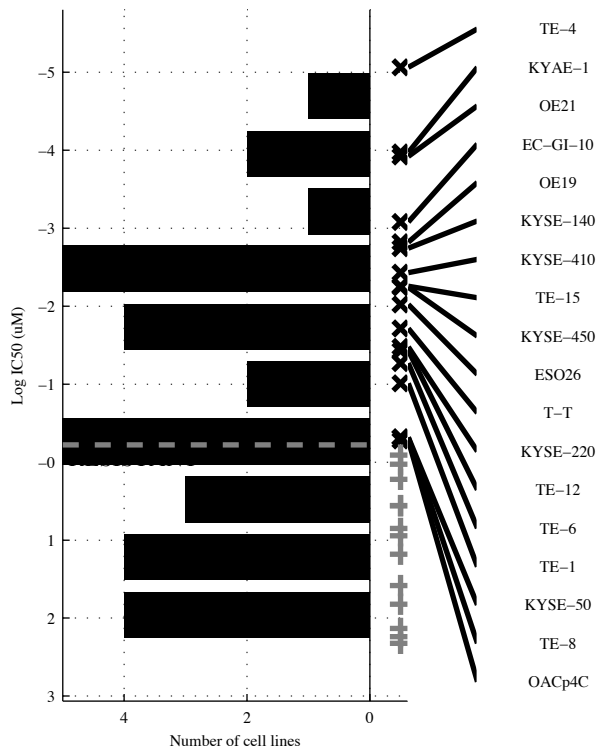


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>a(EGFR)</b>	<b>~EP300&amp;a(EGFR)</b>	<b>~CREBB&amp;~EP300&amp;a(EGFR)</b>	<b>~CREBB&amp;~EP300&amp;a(EGFR)&amp;</b>	<b>a(EGFR VEGF-D)</b>	<b>[a(CCND&amp;~ARID2) ~PIK3CA&amp;Wnt-DO]</b>	<b>MACF1 a(EGFR) VEGF-D</b>	<b>MACF1 EP300 a(EGFR VEGF-D)</b>
TP   FP Specificity	5   2 0.88	5   1 0.94	5   0 1	5   0 1	6   2 0.88	11   3 0.81	7   2 0.88	9   2 0.88
FN   TN Precision	10   14 0.71	10   15 0.83	10   16 1	10   16 1	9   14 0.75	4   13 0.79	8   14 0.78	6   14 0.82
Recall	0.33	0.33	0.33	0.33	0.4	0.73	0.47	0.6

ESCA  
 id: 1032 name: Afatinib  
 target: ERBB2, EGFR class: EGFR signaling

31 cell lines  
 18 sensitive

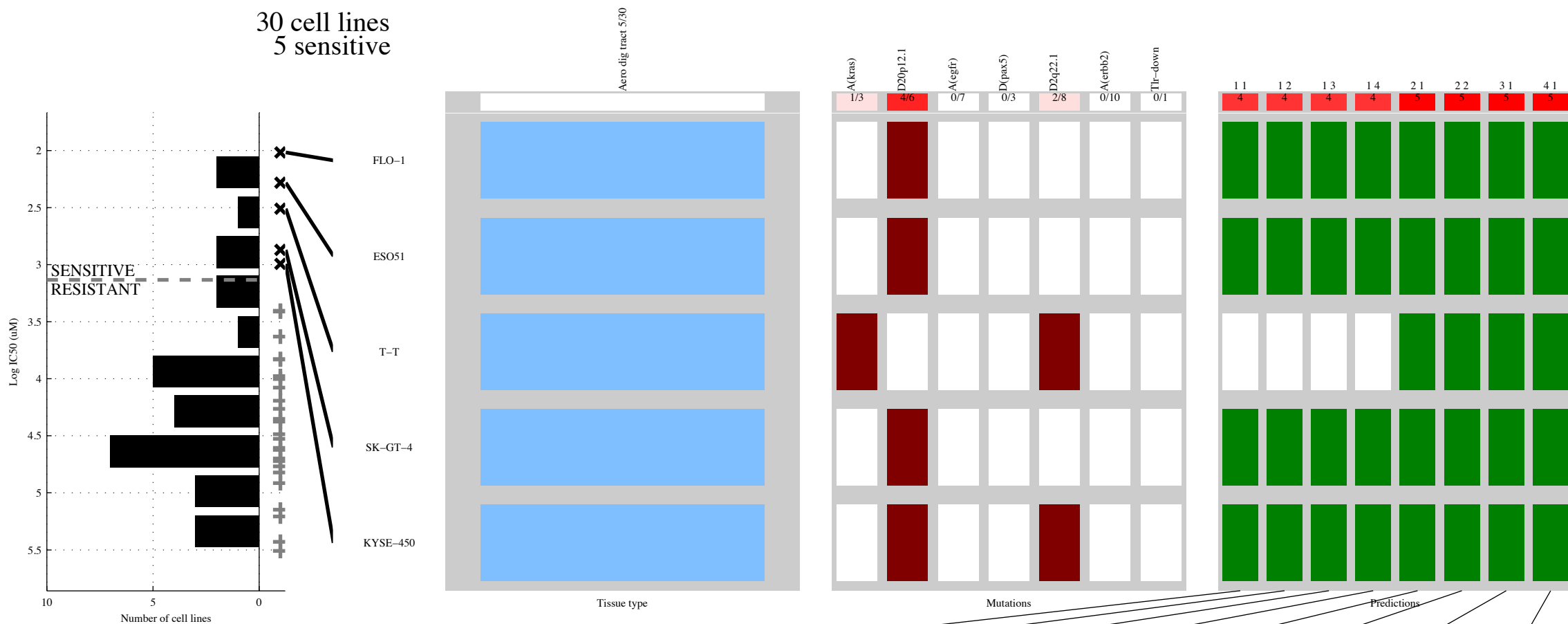
Aero dig tract 18/31



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	a(ERBB)	<del>CDKN2</del> & a(ERBB)	<del>CDKN2</del> & a(ERBB) & <del>ARID2</del> & <del>d(PAX5)</del>	<del>ARID2</del> & <del>d(PAX5)</del> & <del>PIK3CA</del> & <del>d16q23</del>	NOTCH1 & a(ERBB)	[a(CCND1) & a(EGFR)] & <del>CDKN2</del> & a(ERBB)	NOTCH1 & a(KRAS) & a(ERBB)	NOTCH1 & a(KRAS) & a(ERBB) & VEGF-D
TP   FP Specificity	9   1 0.92	9   0 1	9   0 1	15   2 0.85	12   2 0.85	12   0 1	14   2 0.85	15   2 0.85
FN   TN Precision	9   12 0.9	9   13 1	9   13 1	3   11 0.88	6   11 0.86	6   13 1	4   11 0.88	3   11 0.88
Recall	9   12 0.5	9   13 0.5	9   13 0.5	3   11 0.83	6   11 0.67	6   13 0.67	4   11 0.78	3   11 0.83

ESCA  
 id: 1042 name: BIRB 0796  
 target: p38, JNK2 class: JNK and p38 signaling

30 cell lines  
 5 sensitive

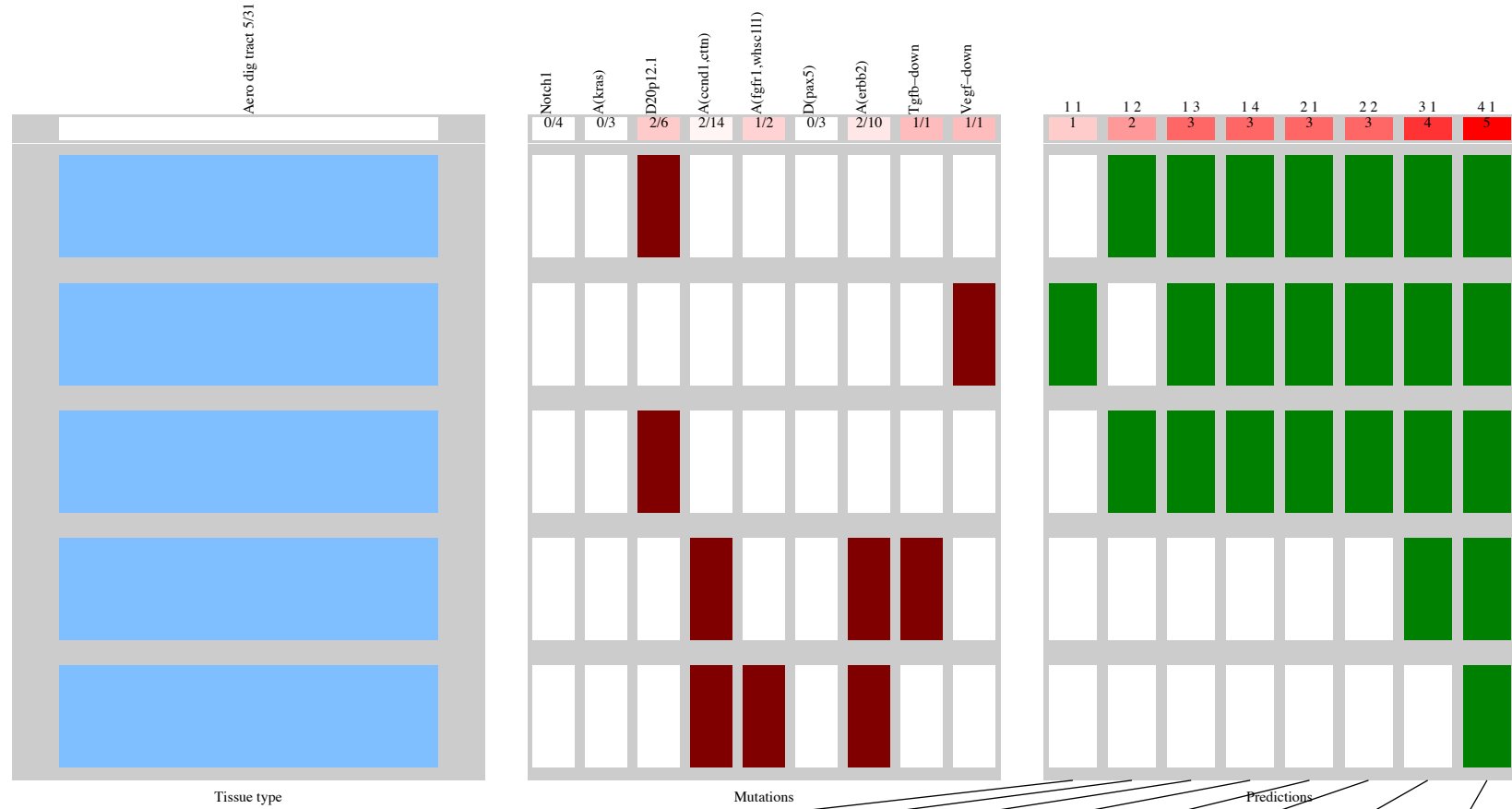
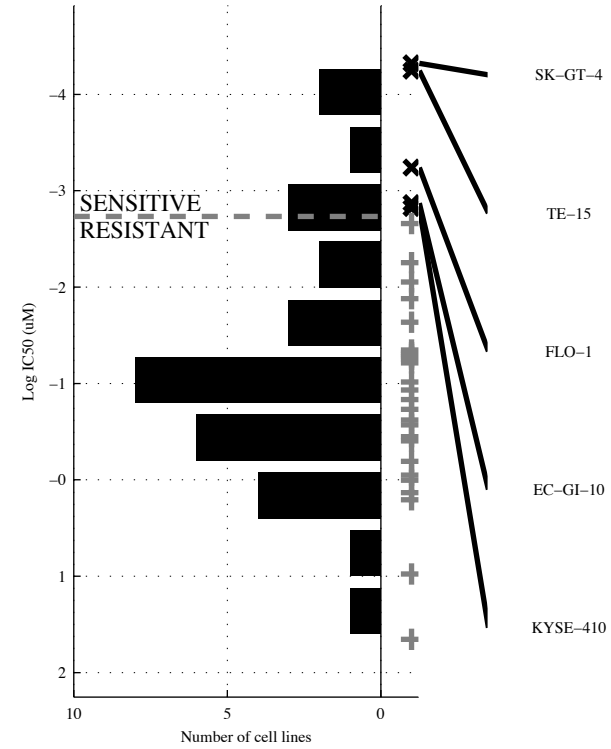


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d20p12</b>	<b>d20p12 &amp; ~d(PAX5)</b>	<b>d20p12 &amp; a(EGFR) &amp; ~d(PAX5)</b>	<b>d20p12 &amp; a(ERBB2) &amp; ~TLR-D</b>	<b>a(KRAS   d20p12)</b>	<b>[ a(KRAS &amp; d2q22. )   [ d20p12 &amp; ~d(PAX5) ]</b>	<b>a(KRAS   d20p12  </b>	<b>a(KRAS   d20p12  </b>
TP   FP Specificity	4   2 0.92	4   0 1	4   0 1	4   0 1	5   4 0.84	5   0 1	5   4 0.84	5   4 0.84
FN   TN Precision	1   23 0.67	1   25 1	1   25 1	1   25 1	0   21 0.56	0   25 1	0   21 0.56	0   21 0.56
Recall	0.8	0.8	0.8	0.8	1	1	1	1



ESCA  
 id: 1060 name: PD-0325901  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

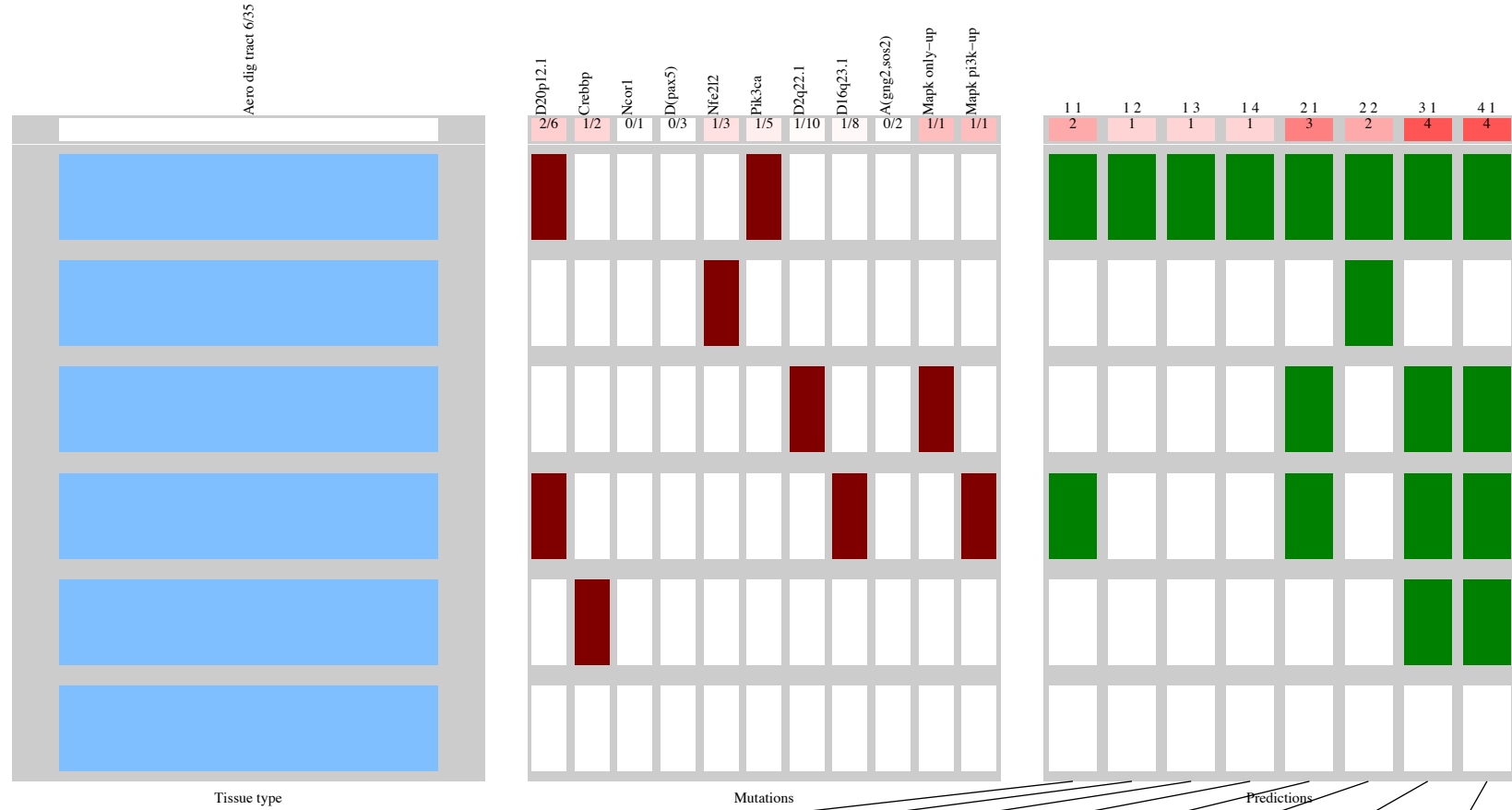
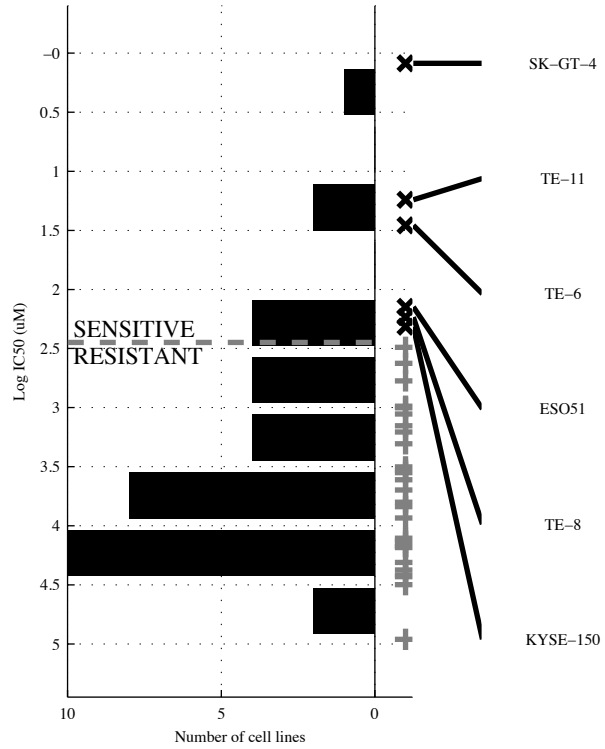
31 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>VEGF-D</b>	<b>d20p12 &amp; d(PAX5)</b>	<b>¬NOTCH &amp; a(CCNE) &amp; ¬a(ERBB)</b>	<b>¬NOTCH &amp; a(CCNE) &amp; ¬d(PAX5) &amp; a(ERBB)</b>	<b>d20p12   VEGF-D</b>	<b>[ d20p12 &amp; d(PAX5)   ¬a(KRAS) &amp; VEGF-D ]</b>	<b>d20p12   TGFB-D   VEGF-D</b>	<b>d20p12   a(FGFR)   TGFB-D   VEGF-D</b>
TP   FP Specificity	1   0 1	2   2 0.92	3   5 0.81	3   3 0.88	3   4 0.85	3   2 0.92	4   4 0.85	5   4 0.85
FN   TN Precision	4   26 1	3   24 0.5	2   21 0.38	2   23 0.5	2   22 0.43	2   24 0.6	1   22 0.5	0   22 0.56
Recall	0.2	0.4	0.6	0.6	0.6	0.6	0.8	1

ESCA  
 id: 1072 name: BMS-708163  
 target: g-secretase class: other

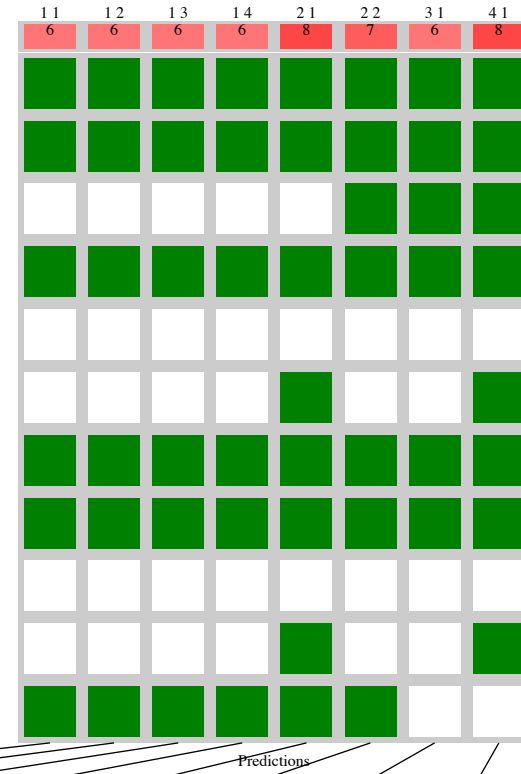
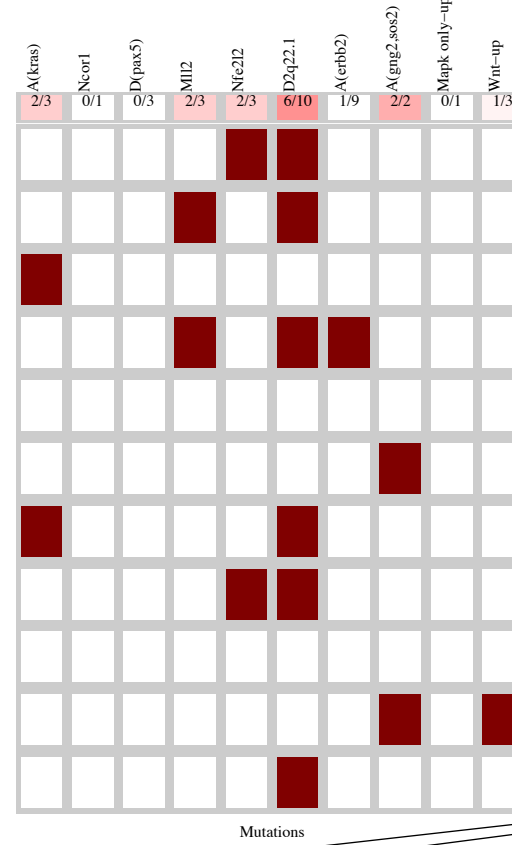
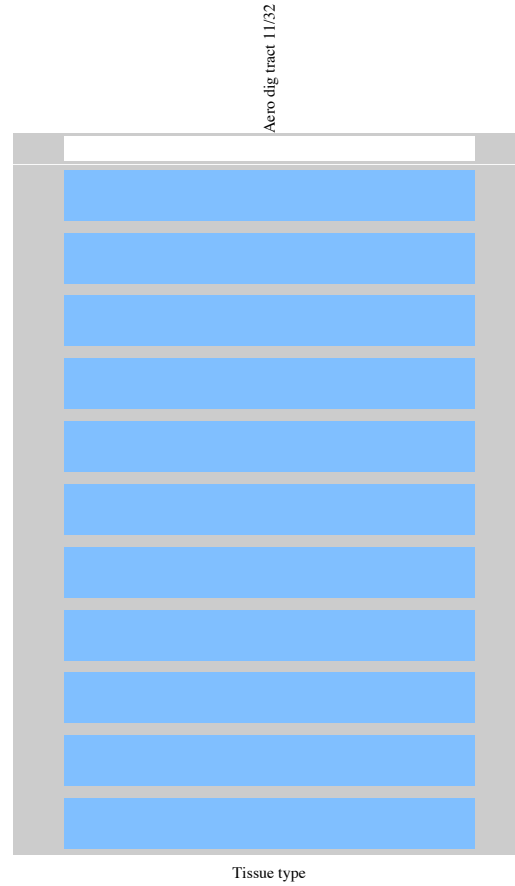
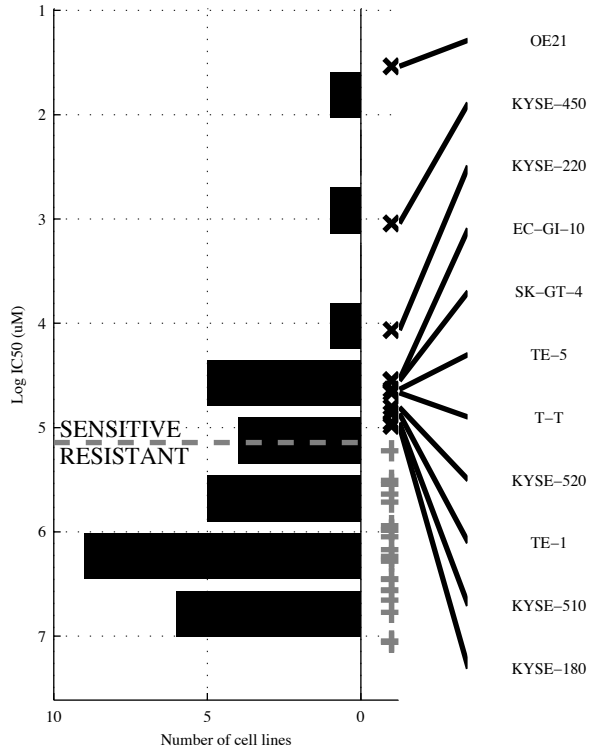
35 cell lines  
 6 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>d20p12</b>		<b>d20p12 &amp; d16q23</b>		<b>d20p12 &amp; d16q23 &amp; a(GNG2)</b>		<b>¬NCOR1 &amp; d(PAX5) &amp; PIK3CA &amp; a(GNG2)</b>		<b>d20p12   MAPK o</b>		<b>[NFE2L2 &amp; d2q22.]   [d20p12 &amp; d16q23]</b>		<b>d20p12   CREBBP   MAPK o</b>		<b>CREBBP   PIK3CA   MAPK o   MAPK P</b>	
TP   FP	2   4	0.86	1   0	1	1   0	1	1   0	1	3   4	0.86	2   0	1	4   5	0.83	4   5	0.83
FN   TN	4   25	0.33	5   29	1	5   29	1	5   29	1	3   25	0.43	4   29	1	2   24	0.44	2   24	0.44
Recall		0.33		0.17		0.17		0.17		0.5		0.33		0.67		0.67

ESCA  
 id: 1114 name: Cetuximab  
 target: EGFR class: EGFR signaling

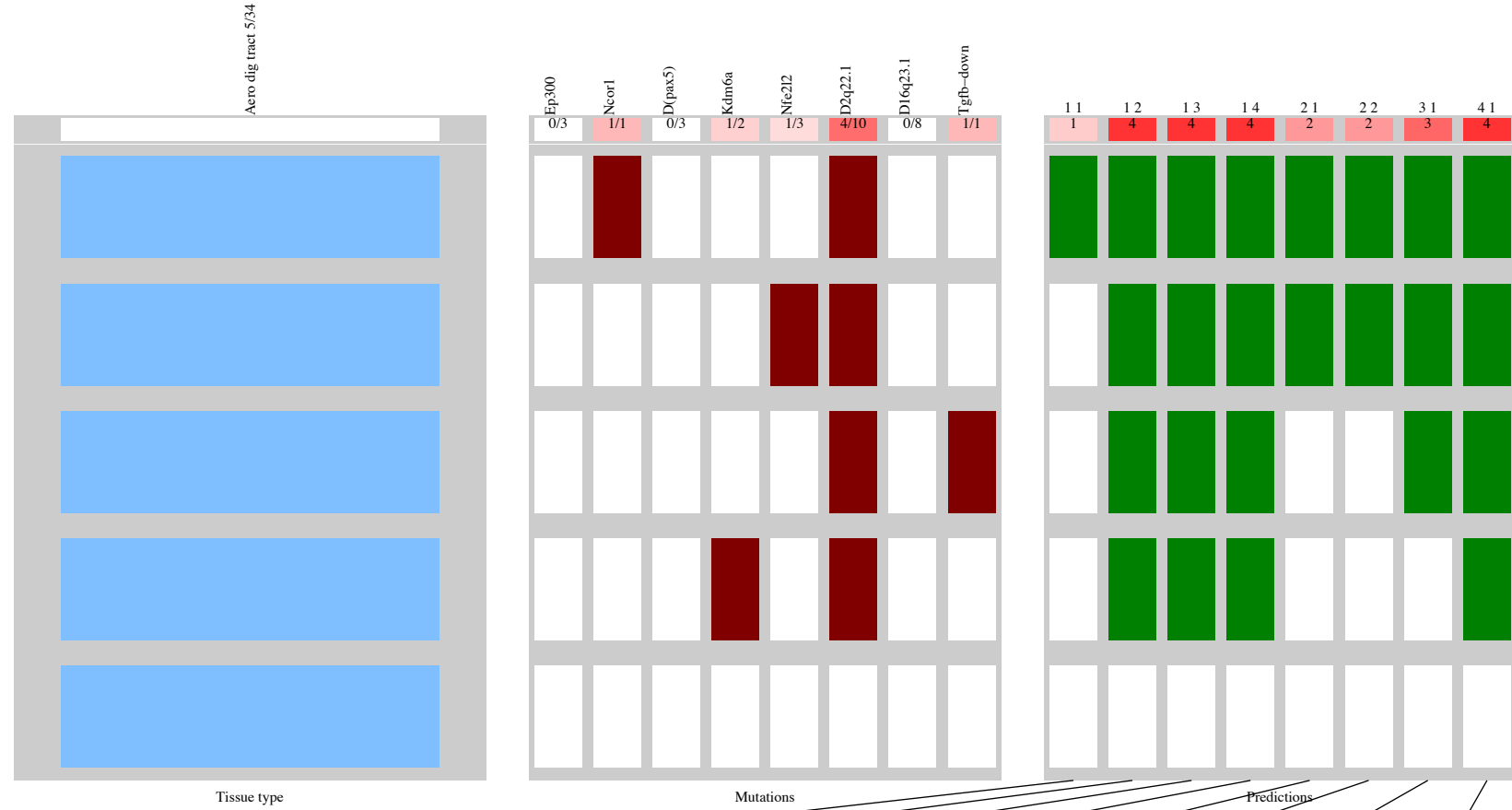
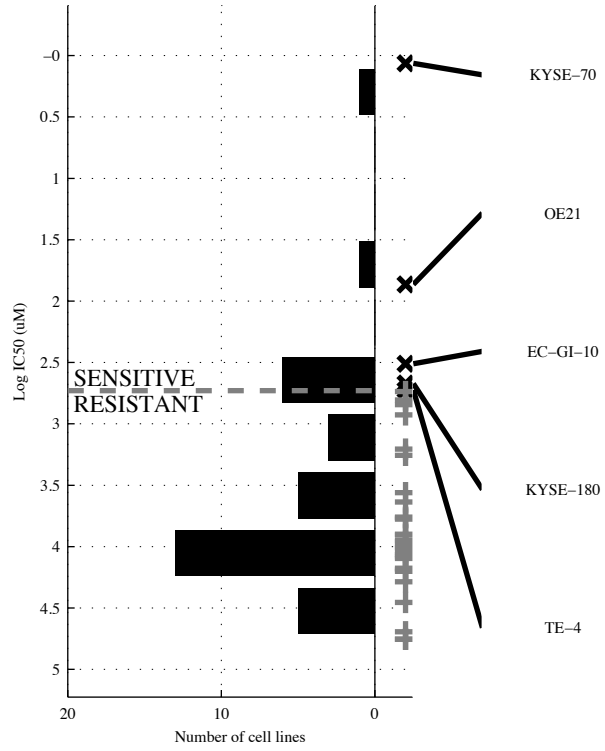
32 cell lines  
 11 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d2q22.</b>	<b>d2q22. &amp; Wnt-UP</b>	<b>¬d(PAX &amp; d2q22. &amp; ¬Wnt-UP</b>	<b>¬NCOR &amp; ¬d(PAX &amp; d2q22. &amp; MAPK o</b>	<b>d2q22.   a(GNG2</b>	<b>[ d2q22. &amp; Wnt-UP]   [a(KRAS &amp; a(ERBB]</b>	<b>a(KRAS   MLL2   NFE2L2</b>	<b>a(KRAS   MLL2   NFE2L2   a(GNG2</b>
TP   FP Specificity	6   4 0.81	6   2 0.9	6   1 0.95	6   1 0.95	8   4 0.81	7   2 0.9	6   3 0.86	8   3 0.86
FN   TN Precision	5   17 0.6	5   19 0.75	5   20 0.86	5   20 0.86	3   17 0.67	4   19 0.78	5   18 0.67	3   18 0.73
Recall	0.55	0.55	0.55	0.55	0.73	0.64	0.55	0.73

ESCA  
 id: 1199 name: Tamoxifen  
 target: ER class: other

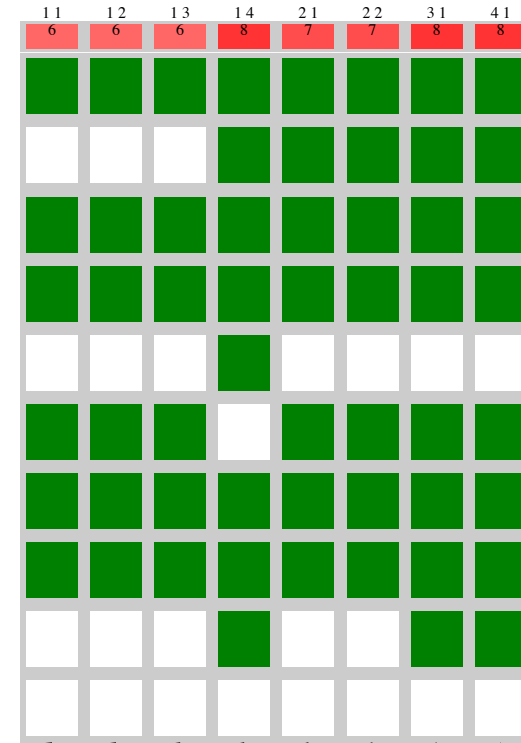
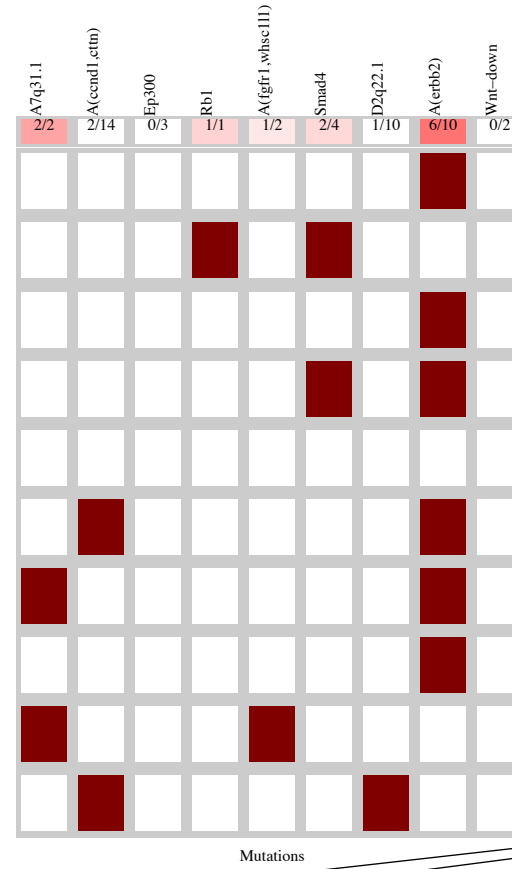
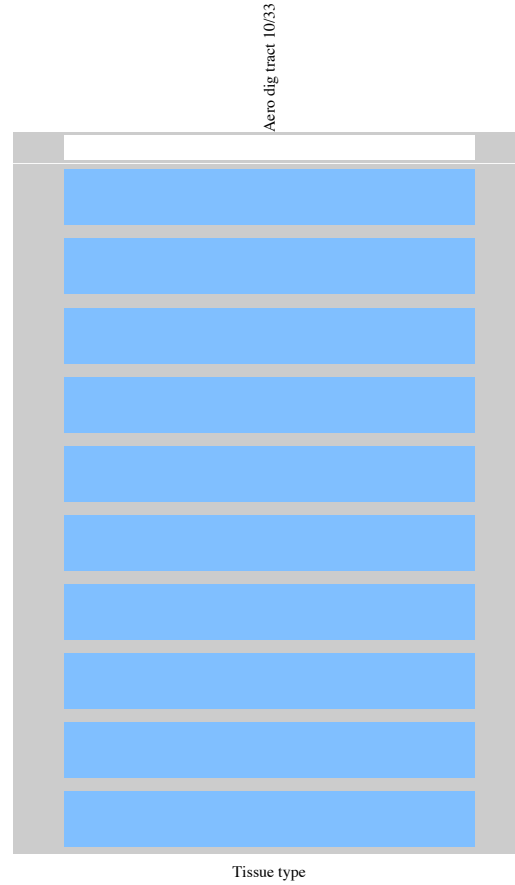
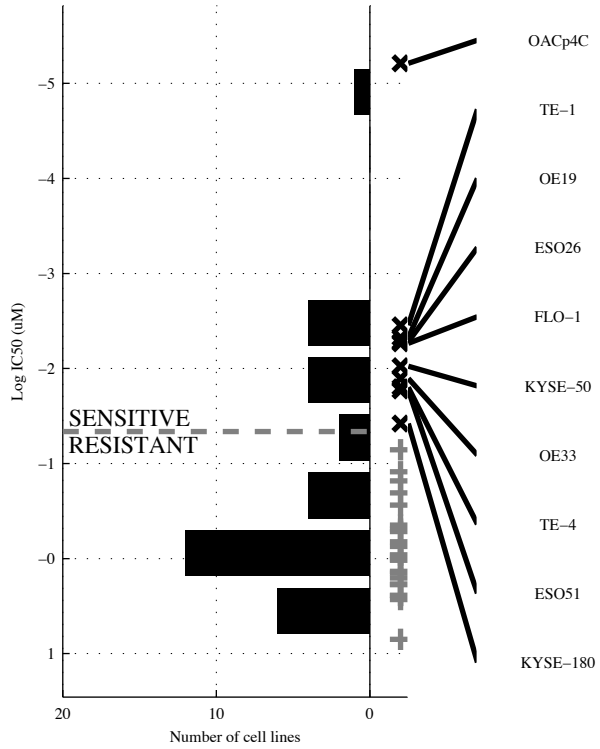
34 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>NCOR1</b>	<b>-EP300 &amp; d2q22.</b>	<b>-EP300 &amp; d2q22. &amp; -d16q23</b>	<b>-EP300 &amp; -d(PAX5) &amp; d2q22. &amp; -d16q23</b>	<b>NCOR1   NFE2L2</b>	<b>[ -EP300 &amp; NFE2L2 ]   [ -EP300 &amp; NCOR1 ]</b>	<b>NCOR1   NFE2L2   TGFB-D</b>	<b>NCOR1   KDM6A   NFE2L2   TGFB-D</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{4} \mid \frac{0}{29}$ 1 0.2	$\frac{4}{1} \mid \frac{4}{25}$ 0.86 0.5 0.8	$\frac{4}{1} \mid \frac{2}{27}$ 0.93 0.67 0.8	$\frac{4}{1} \mid \frac{1}{28}$ 0.97 0.8 0.8	$\frac{2}{3} \mid \frac{2}{27}$ 0.93 0.5 0.4	$\frac{2}{3} \mid \frac{1}{28}$ 0.97 0.67 0.4	$\frac{3}{2} \mid \frac{2}{27}$ 0.93 0.6 0.6	$\frac{4}{1} \mid \frac{3}{26}$ 0.9 0.57 0.8

ESCA  
 id: 1261 name: rTRAIL  
 target: TR10A (DR4), TR10B (DR5) class: apoptosis regulation

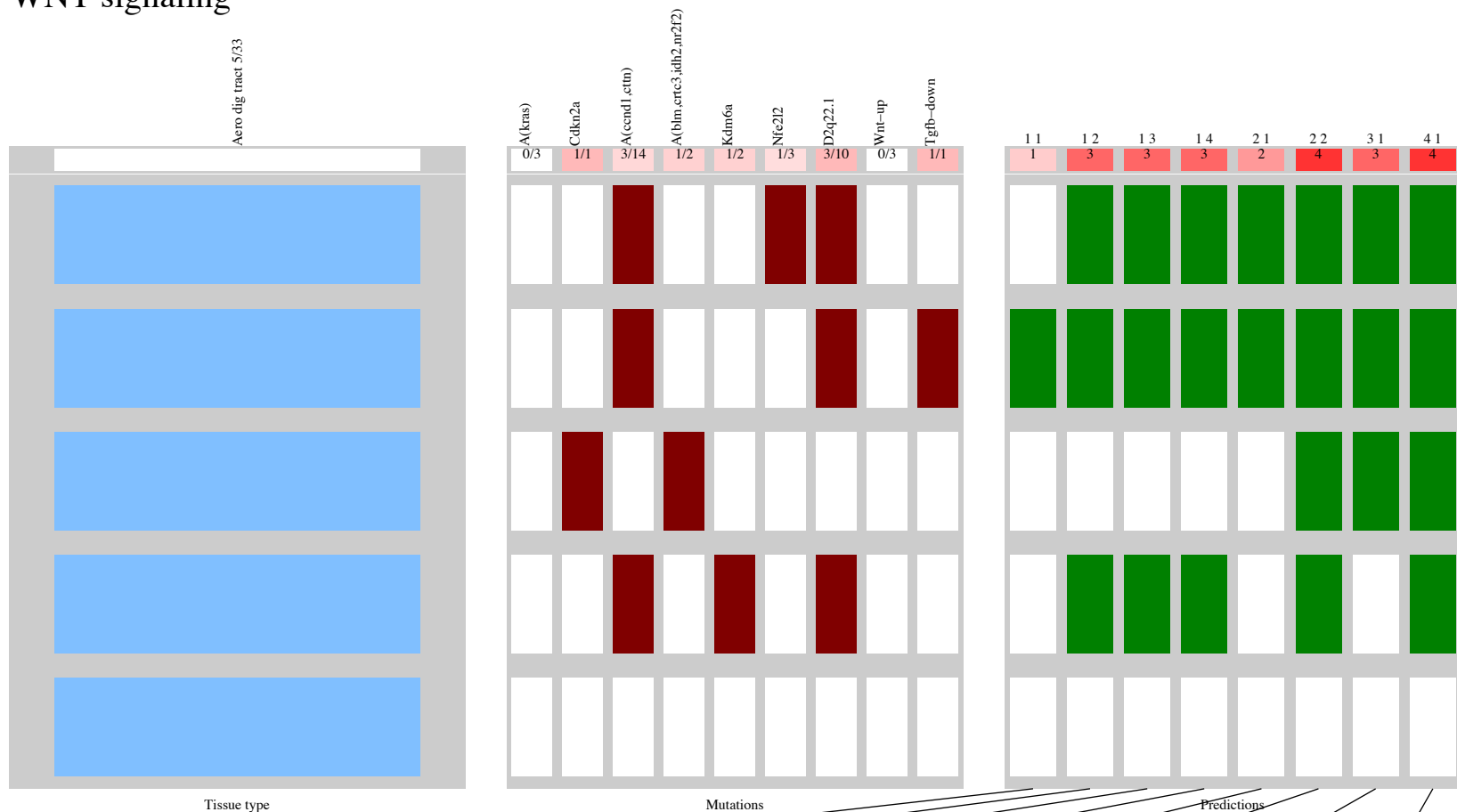
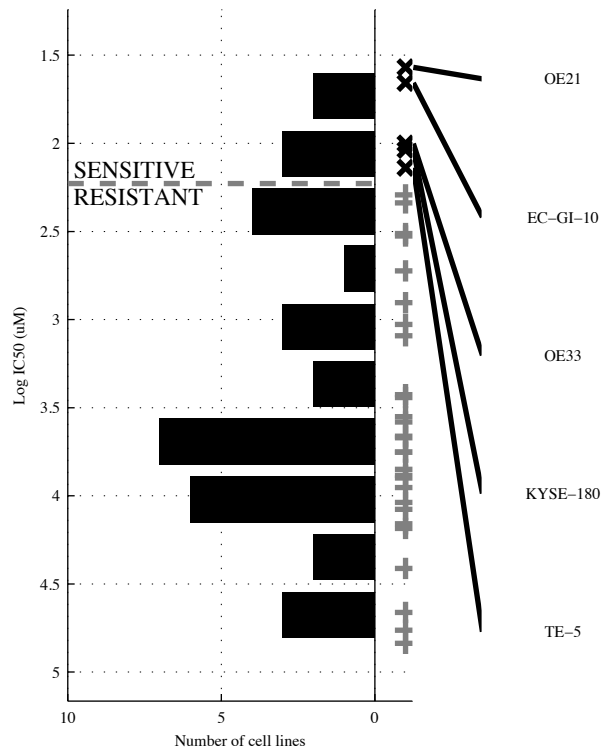
33 cell lines  
 10 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	M		M		M		M		M		M		M		M	
Logic formula	<b>a(ERBB)</b>		<b>¬d2q22.&amp;a(ERBB)</b>		<b>¬a(FGFR&amp;¬d2q22.&amp;a(ERBB)</b>		<b>¬a(CCNE&amp;¬EP300&amp;¬d2q22.&amp;Wnt-DO)</b>		<b>RB1   a(ERBB)</b>		<b>[ ¬d2q22.&amp;a(ERBB)   [ RB1 &amp;SMAD4]</b>		<b>a7q31.   RB1   a(ERBB)</b>		<b>a7q31.   RB1   a(ERBB  </b>	
TP   FP	6   4	0.83	6   2	0.91	6   1	0.96	8   4	0.83	7   4	0.83	7   2	0.91	8   4	0.83	8   4	0.83
FN   TN	4   19	0.6	4   21	0.75	4   22	0.86	2   19	0.67	3   19	0.64	3   21	0.78	2   19	0.67	2   19	0.67
Specificity	0.83		0.91		0.96		0.83		0.83		0.91		0.83		0.83	
Precision	0.6		0.75		0.86		0.67		0.64		0.78		0.67		0.67	
Recall	0.6		0.6		0.6		0.8		0.7		0.7		0.8		0.8	

ESCA  
 id: 1268 name: XAV 939  
 target: TNKS1 (tankyrase-1) class: WNT signaling

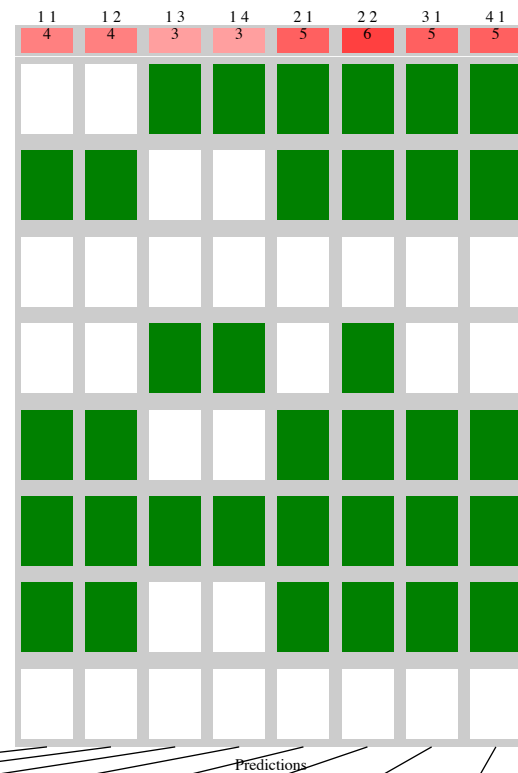
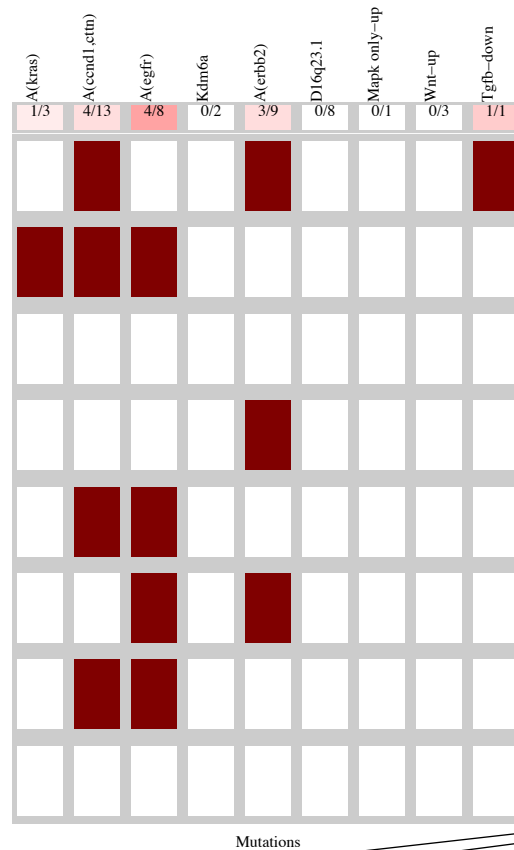
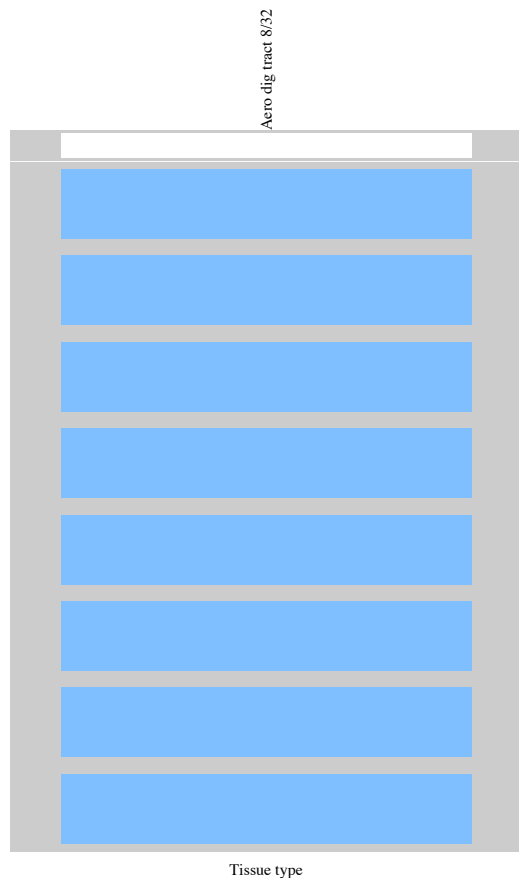
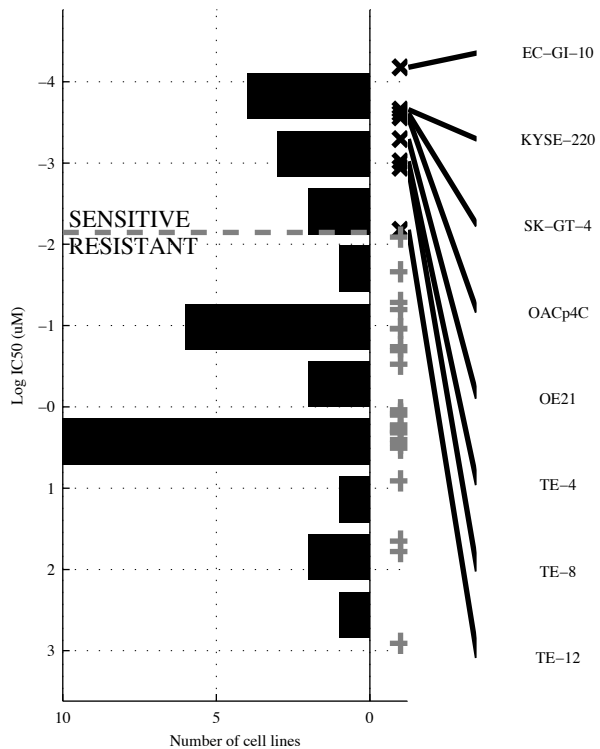
33 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>TGFB-D</b>	<b>a(CCND&amp; d2q22.</b>	<b>a(CCND&amp; d2q22. &amp; -Wnt-UP</b>	<b>-a(KRAS&amp;a(CCND&amp; d2q22. &amp; Wnt-UP</b>	<b>NFE2L2 TGFB-D</b>	<b>[a(CCND&amp; d2q22. ]   [ a(BLM,&amp;Wnt-UP]</b>	<b>CDKN2A NFE2L2  TGFB-D</b>	<b>CDKN2A KDM6A  NFE2L2 TGFB-D</b>
TP   FP Specificity	1   0 1	3   3 0.89	3   2 0.93	3   1 0.96	2   2 0.93	4   3 0.89	3   2 0.93	4   3 0.89
FN   TN Precision	4   28 1	2   25 0.5	2   26 0.6	2   27 0.75	3   26 0.5	1   25 0.57	2   26 0.6	1   25 0.57
Recall	0.2	0.6	0.6	0.6	0.4	0.8	0.6	0.8

ESCA  
 id: 1372 name: Trametinib  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

32 cell lines  
 8 sensitive

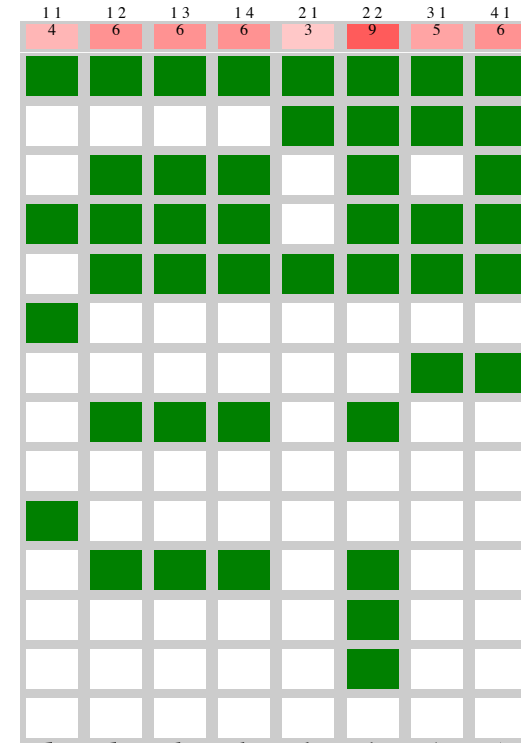
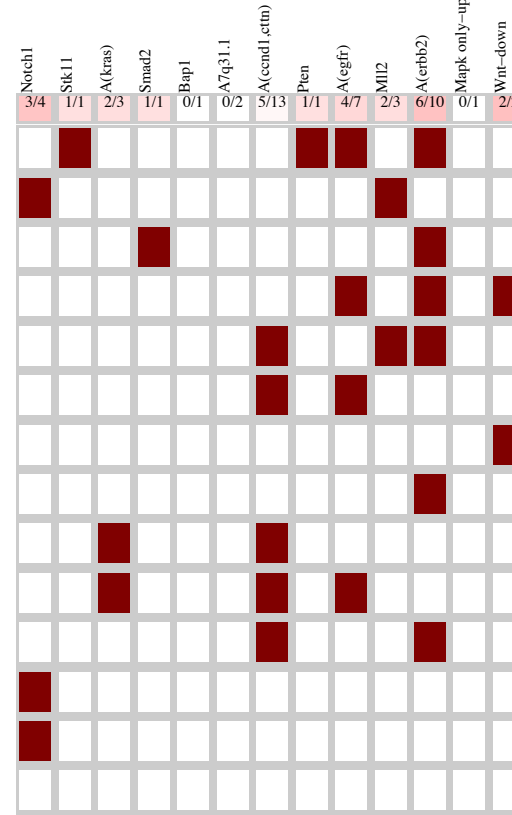
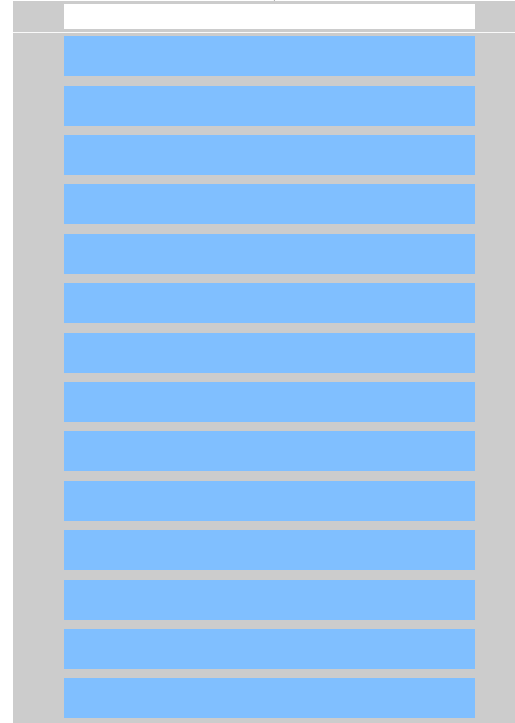
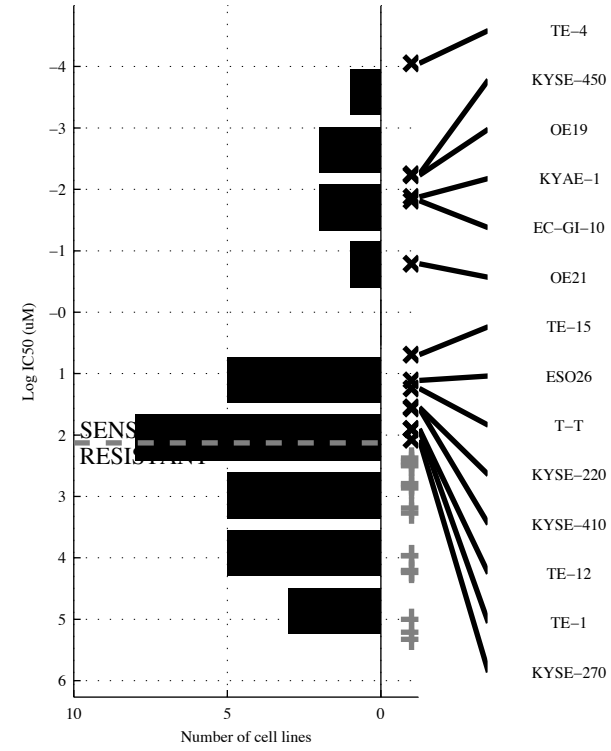


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>a(EGFR)</b>	<b>a(EGFR &amp; KDM6A)</b>	<b>a(ERBB &amp; d16q23 &amp; MAPK o)</b>	<b>¬a(KRAS &amp; a(ERBB &amp; d16q23 &amp; Wnt-UP)</b>	<b>a(EGFR   TGFB-D)</b>	<b>[ a(ERBB &amp; d16q23 )   a(CCND &amp; a(EGFR) ]</b>	<b>a(EGFR   TGFB-D)</b>	<b>a(EGFR   TGFB-D)</b>
TP   FP Specificity	4   4 0.83	4   3 0.88	3   2 0.92	3   1 0.96	5   4 0.83	6   4 0.83	5   4 0.83	5   4 0.83
FN   TN Precision	4   20 0.5	4   21 0.57	5   22 0.6	5   23 0.75	3   20 0.56	2   20 0.6	3   20 0.56	3   20 0.56
Recall	4   20 0.5	4   21 0.5	5   22 0.38	5   23 0.38	3   20 0.63	2   20 0.75	3   20 0.63	3   20 0.63

ESCA  
 id: 1377 name: Afatinib (rescreen)  
 target: ERBB2, EGFR class: EGFR signaling

32 cell lines  
 14 sensitive

Aero dig tract 14/32



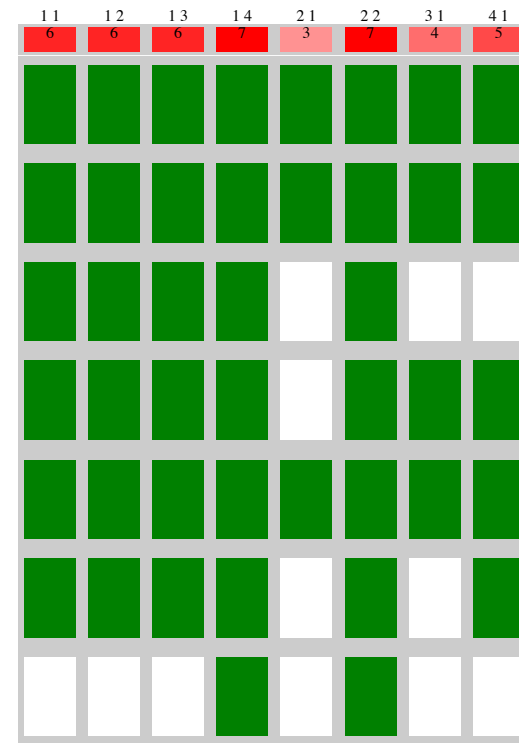
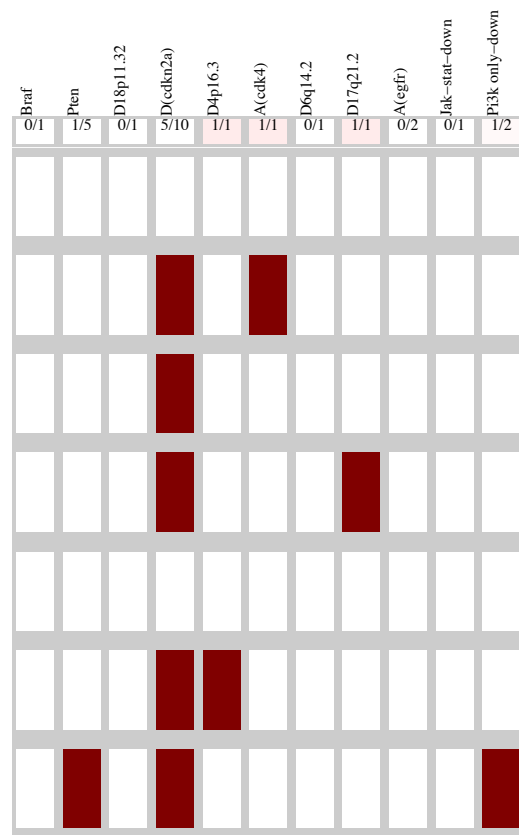
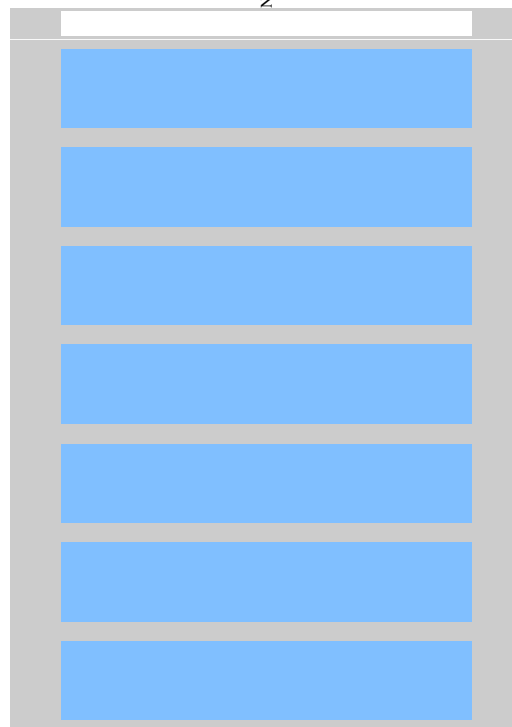
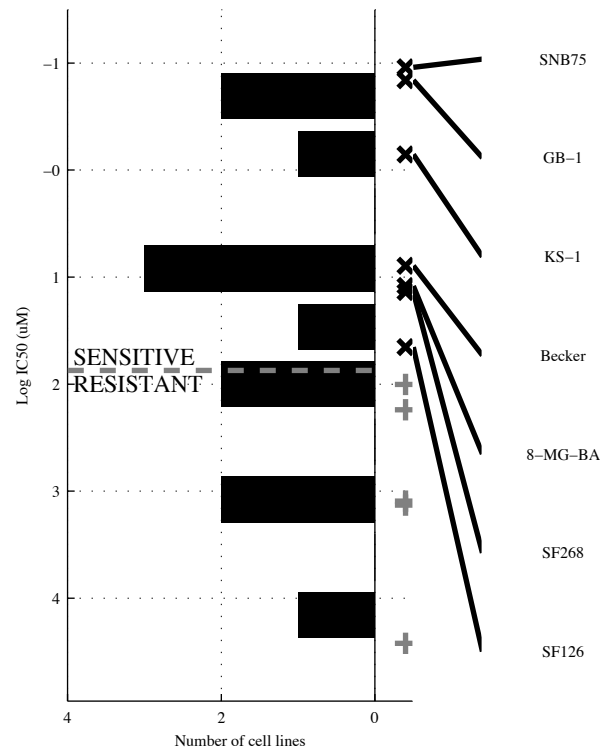
Model name	11	12	13	14	21	22	31	41
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>a(EGFR)</b>	<b>¬a(KRAS) &amp; a(ERBB2)</b>	<b>¬BAP1 &amp; ¬a7q31.1 &amp; a(ERBB2)</b>	<b>¬BAP1 &amp; ¬a7q31.1 &amp; a(ERBB2) &amp; MAPK o</b>	<b>PTEN   MLL2</b>	<b>[ ¬BAP1 &amp; a(ERBB2)   NOTCH &amp; a(CCND) ]</b>	<b>STK11   MLL2   Wnt-DO</b>	<b>STK11   SMAD2   MLL2   Wnt-DO</b>
TP   FP Specificity	4   3 0.83	6   3 0.83	6   2 0.89	6   1 0.94	3   1 0.94	9   3 0.83	5   1 0.94	6   1 0.94
FN   TN Precision	10   15 0.57	8   15 0.67	8   16 0.75	8   17 0.86	11   17 0.75	5   15 0.75	9   17 0.83	8   17 0.86
Recall	0.29	0.43	0.43	0.43	0.21	0.64	0.36	0.43



GBM  
 id: 55 name: A-770041  
 target: SRC family class: other

12 cell lines  
 7 sensitive

Nervous system 7/12



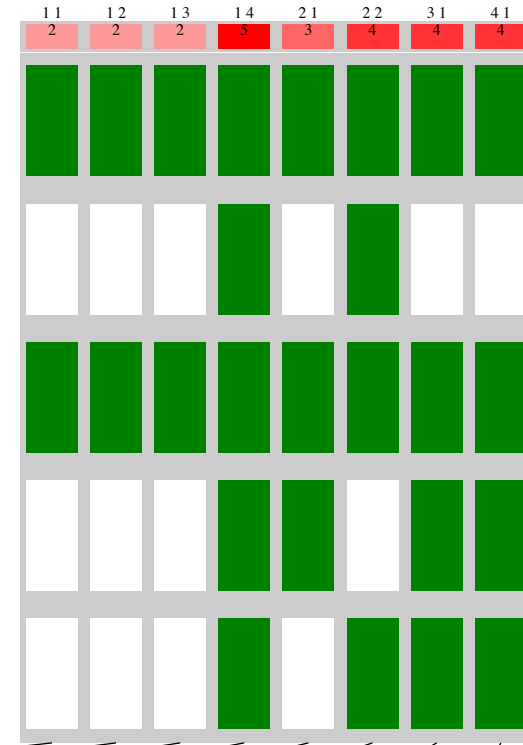
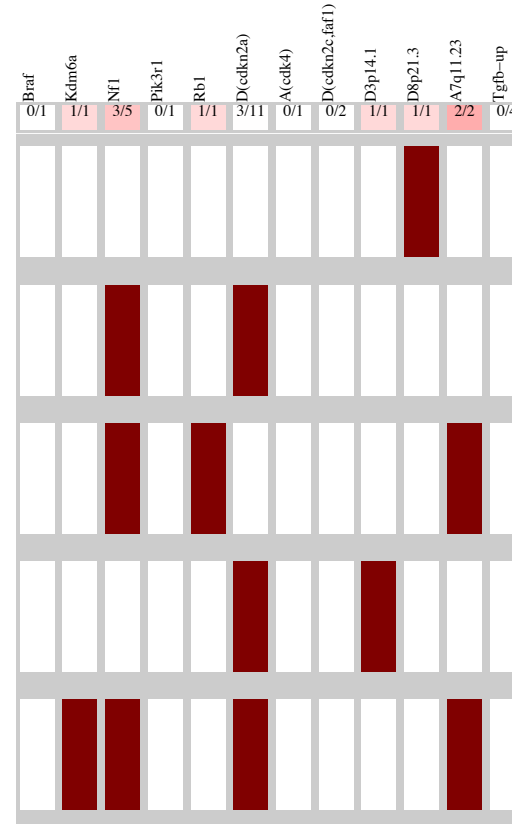
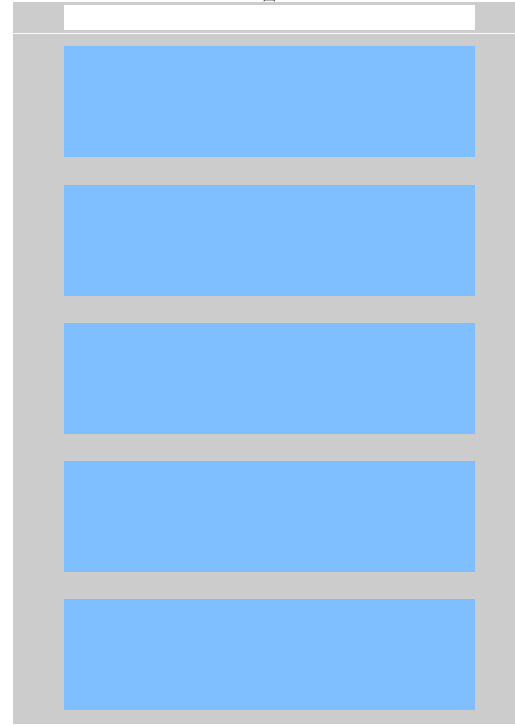
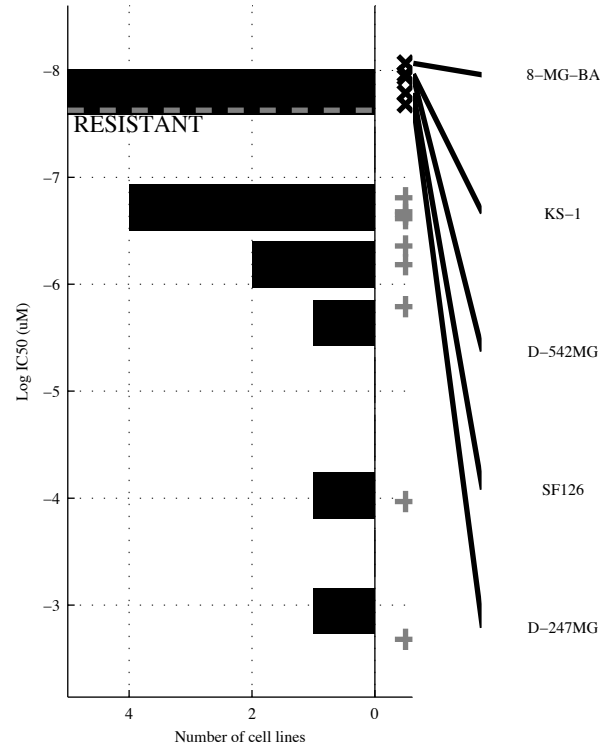
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>-PTEN</b>	<b>-BRAF &amp; -PTEN</b>	<b>-BRAF &amp; -PTEN &amp; -d6q14.</b>	<b>-BRAF &amp; -d18p11 &amp; -d6q14. &amp; a(EGFR</b>	<b>-d(CDKN a(CDK4</b>	<b>[ -BRAF &amp; -PTEN ]   [ -JAK-S &amp; PI3K o ]</b>	<b>-d(CDKN a(CDK4   d17q21</b>	<b>-d(CDKN d4p16.   a(CDK4   d17q21</b>
TP   FP Specificity	6   1 0.8	6   0 1	6   0 1	7   0 1	3   0 1	7   0 1	4   0 1	5   0 1
FN   TN Precision	1   4 0.86	1   5 1	1   5 1	0   5 1	4   5 0.43	0   5 1	3   5 0.57	2   5 0.71
Recall	0.86	0.86	0.86	1	1	1	0.57	0.71



GBM  
 id: 104 name: Bortezomib  
 target: Proteasome class: other

14 cell lines  
 5 sensitive

Nervous system 5/14

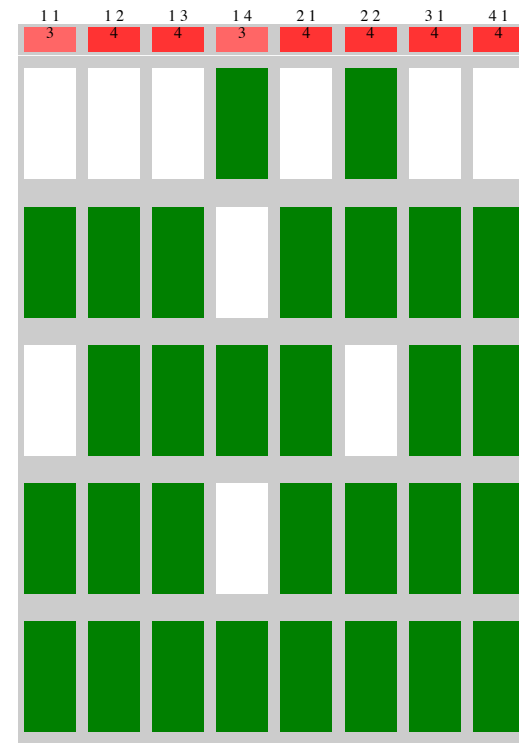
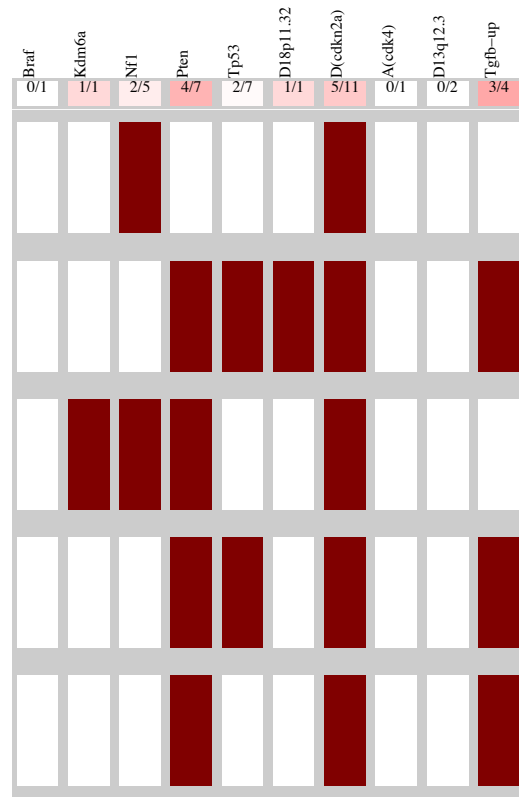
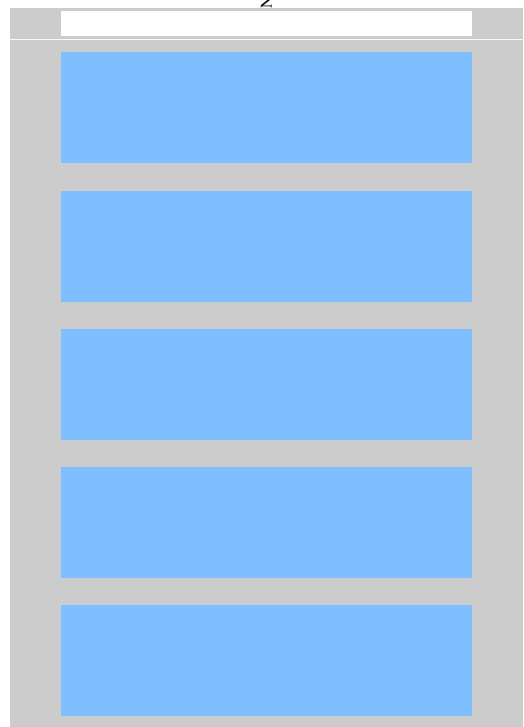
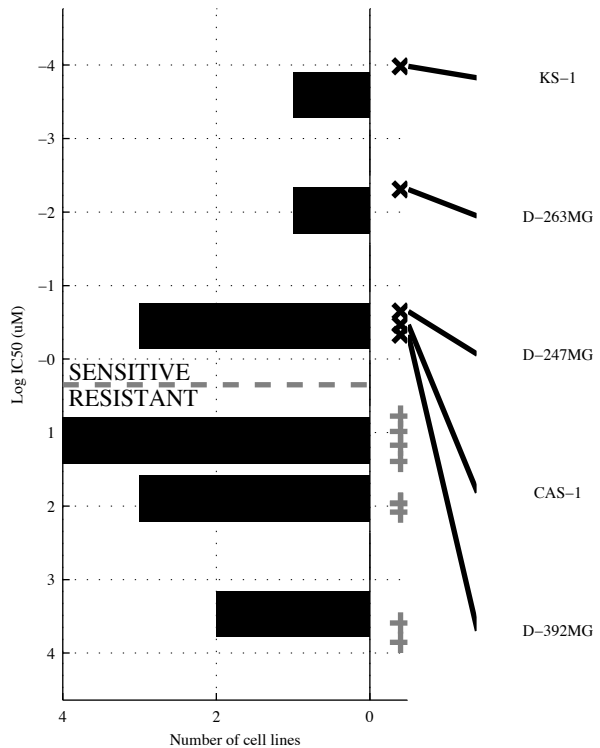


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>-d(CDKN)</b>	<b>-PIK3R &amp; d(CDKN)</b>	<b>-PIK3R &amp; d(CDKN)</b>	<b>-BRAF &amp; a(CDK &amp; -d(CDKN &amp; TGFB-U)</b>	<b>-d(CDKN d3p14.</b>	<b>[ -PIK3R &amp; d(CDKN )   [ NF1 &amp; d(CDKN</b>	<b>d3p14.   d8p21.   a7q11.</b>	<b>KDM6A   RB1   d3p14.   d8p21.</b>
TP   FP	2   1	2   0	2   0	5   1	3   1	4   1	4   0	4   0
Specificity	0.89	1	1	0.89	0.89	0.89	1	1
FN   TN	3   8	3   9	3   9	0   8	2   8	1   8	1   9	1   9
Precision	0.67	1	1	0.83	0.75	0.8	1	1
Recall	0.4	0.4	0.4	1	0.6	0.8	0.8	0.8

GBM  
 id: 127 name: GSK269962A  
 target: ROCK1, ROCK2 class: cytoskeleton

14 cell lines  
 5 sensitive

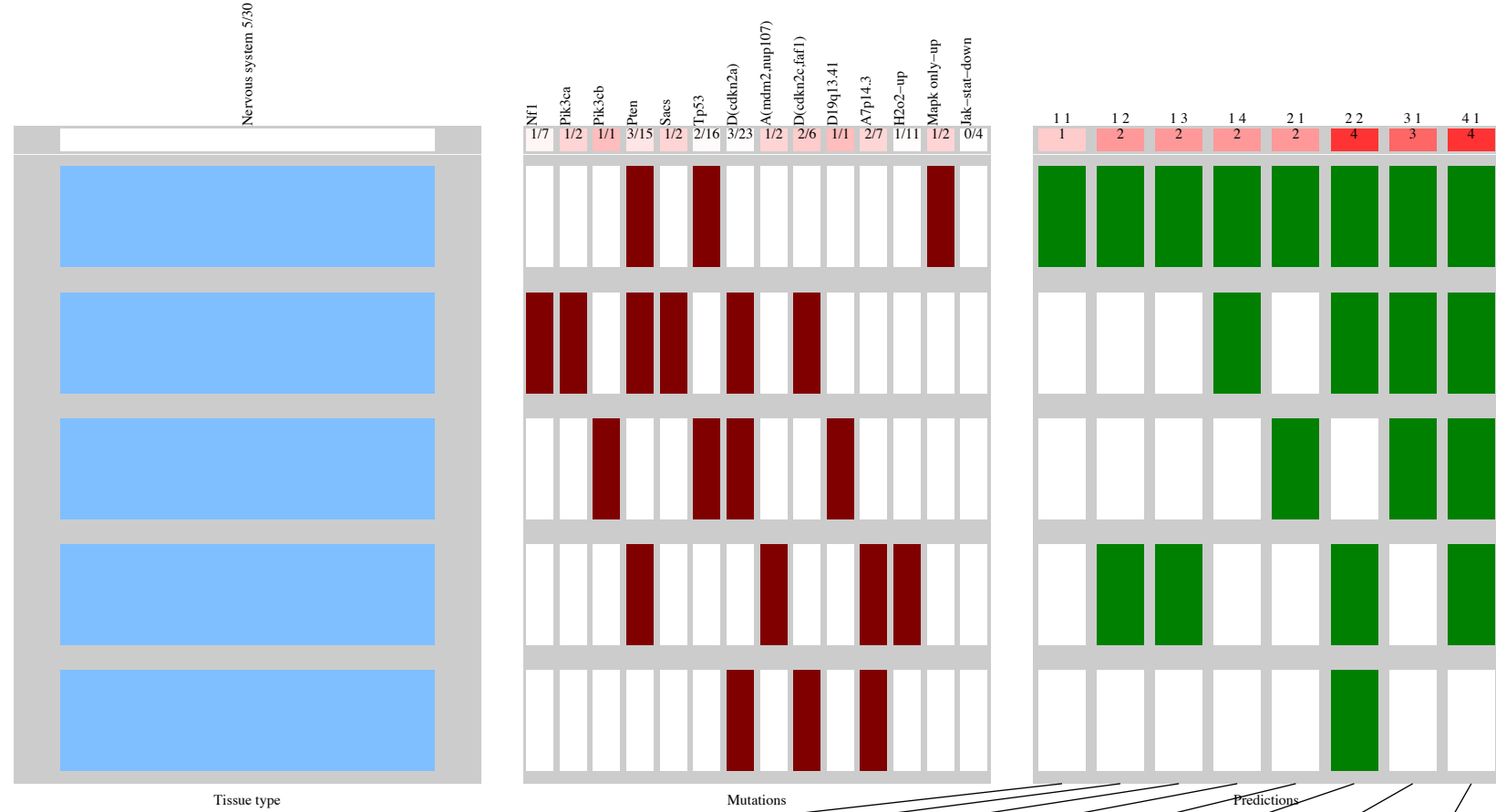
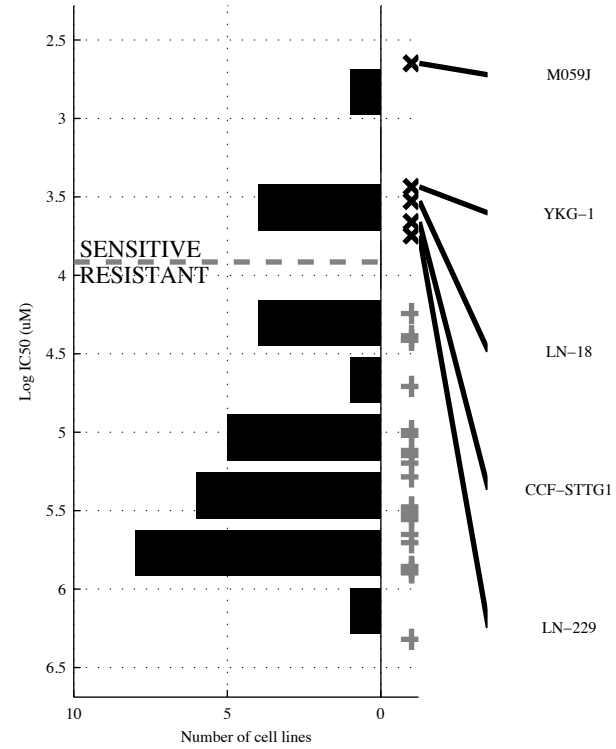
Nervous system 5/14



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>TGFB-U</b>	<b>PTEN &amp; -d13q12</b>	<b>PTEN &amp; d(CDKN&amp; -d13q12</b>	<b>-BRAF &amp; -TP53 &amp; -a(CDK&amp; -d13q12</b>	<b>KDM6A   TGFB-U</b>	<b>[ NF1 &amp; -PTEN ]   [ PTEN &amp; TGFB-U ]</b>	<b>KDM6A   d18p11   TGFB-U</b>	<b>KDM6A   TGFB-U</b>
TP   FP Specificity	3   1 0.89	4   1 0.89	4   0 1	3   0 1	4   1 0.89	4   1 0.89	4   1 0.89	4   1 0.89
FN   TN Precision	2   8 0.75	1   8 0.8	1   9 1	2   9 1	1   8 0.8	1   8 0.8	1   8 0.8	1   8 0.8
Recall	0.6	0.8	0.8	0.6	0.8	0.8	0.8	0.8

GBM  
 id: 147 name: NSC-87877  
 target: PTPN6 (SHP-1), PTPN11 (SHP-2) class: other

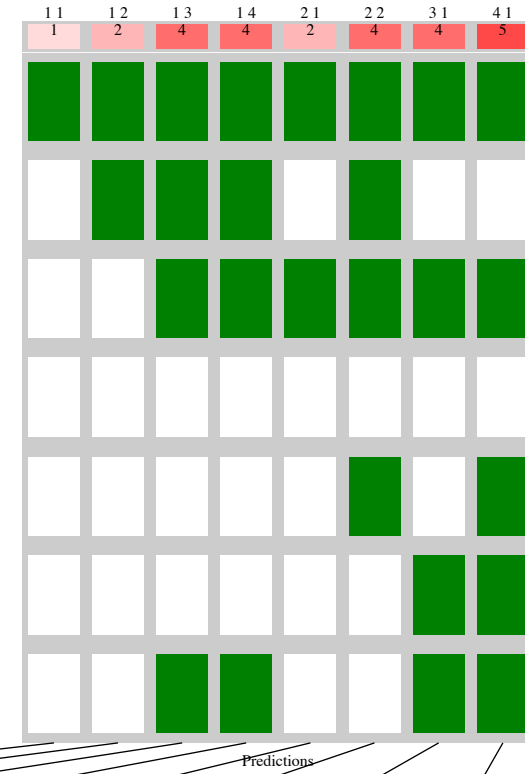
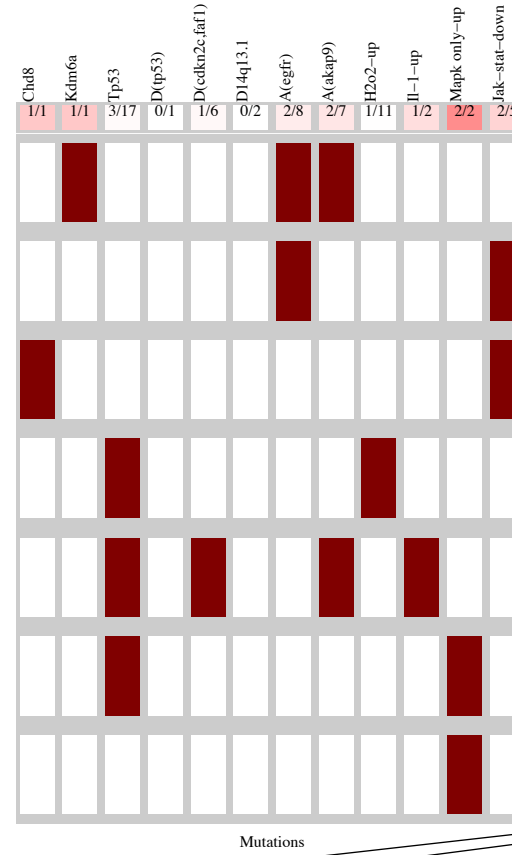
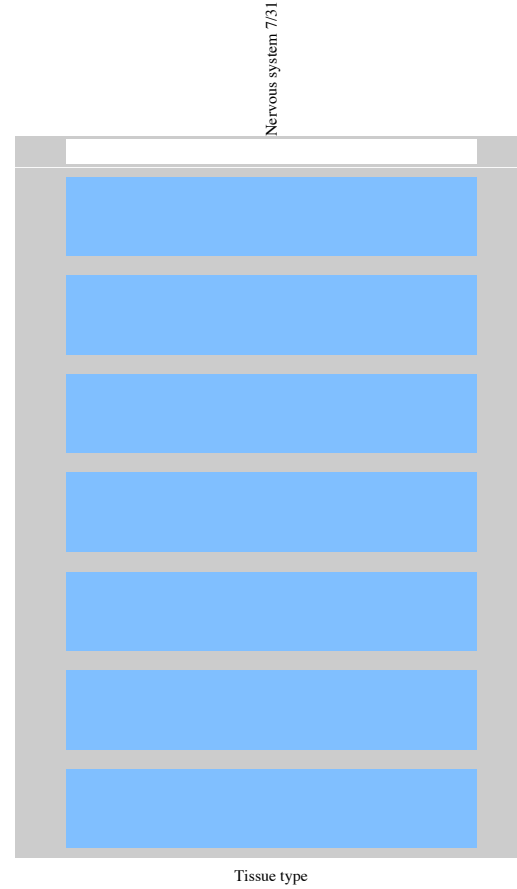
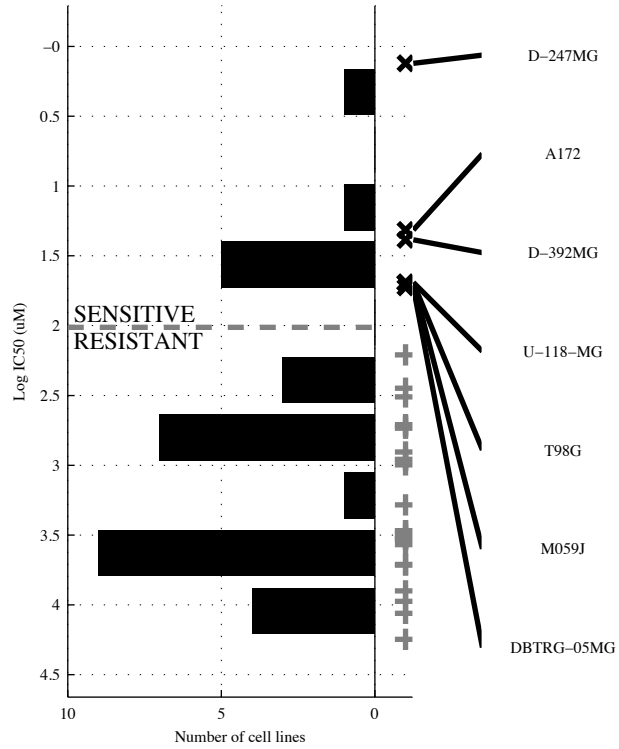
30 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>MAPK o</b>	<b>PTEN &amp;d(CDKN</b>	<b>-NF1 &amp; PTEN &amp; -d(CDKN</b>	<b>PTEN &amp;-a7p14.&amp; -H2O2-&amp;JAK-ST</b>	<b>PIK3CB MAPK o</b>	<b>[ -TP53 &amp;d(CDKN]   [ PTEN &amp;d(CDKN]</b>	<b>SACS   d19q13   MAPK o</b>	<b>PIK3CA a(MDM2  d19q13  MAPK o</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{4} \mid \frac{1}{24}$ 0.96 0.5 0.2	$\frac{2}{3} \mid \frac{2}{23}$ 0.92 0.5 0.4	$\frac{2}{3} \mid \frac{1}{24}$ 0.96 0.67 0.4	$\frac{2}{3} \mid \frac{2}{23}$ 0.92 0.5 0.4	$\frac{2}{3} \mid \frac{1}{24}$ 0.96 0.67 0.4	$\frac{4}{1} \mid \frac{3}{22}$ 0.88 0.57 0.8	$\frac{3}{2} \mid \frac{2}{23}$ 0.92 0.6 0.6	$\frac{4}{1} \mid \frac{2}{23}$ 0.92 0.67 0.8

GBM  
 id: 154 name: CHIR-99021  
 target: GSK3B class: WNT signaling

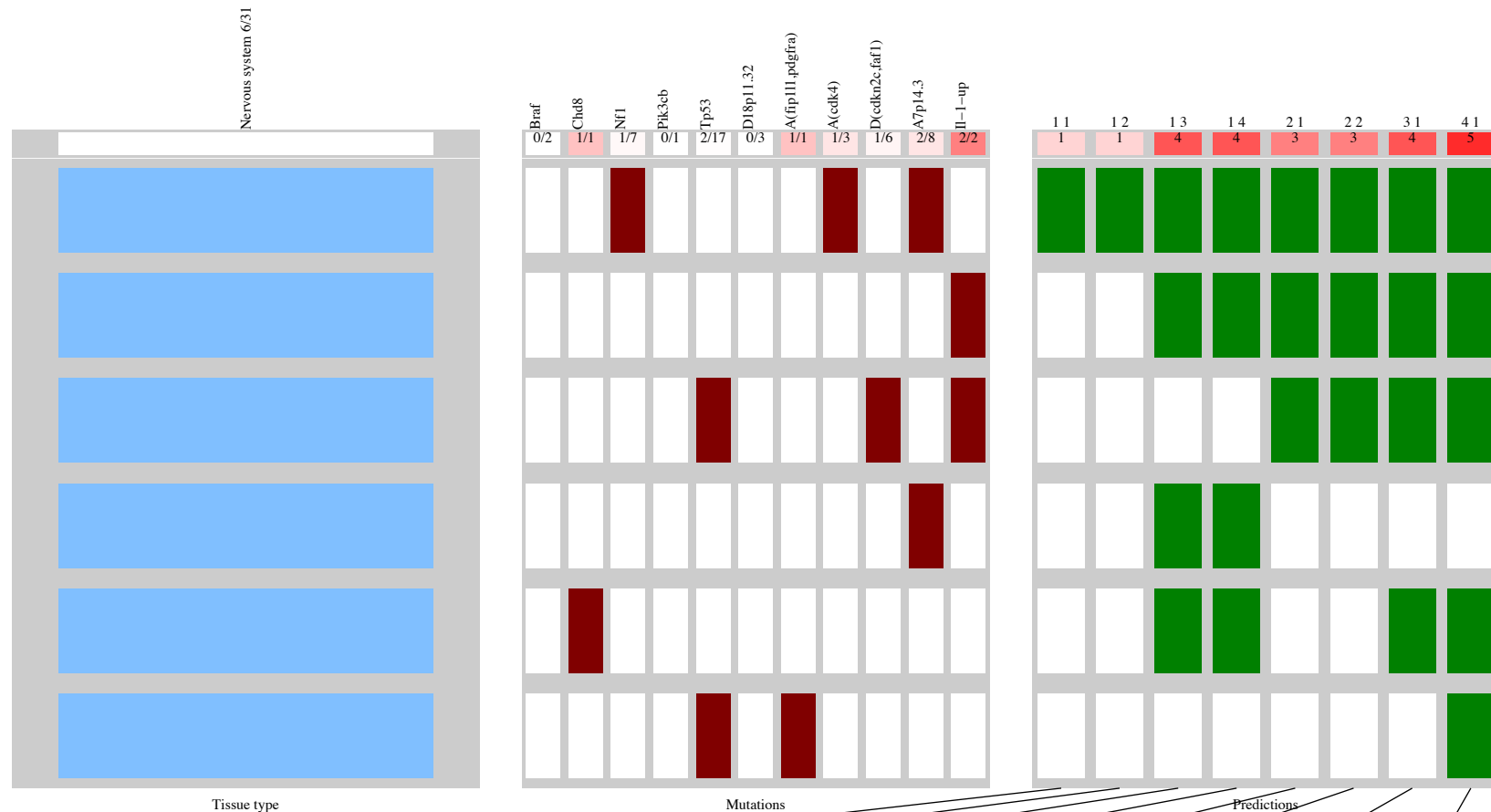
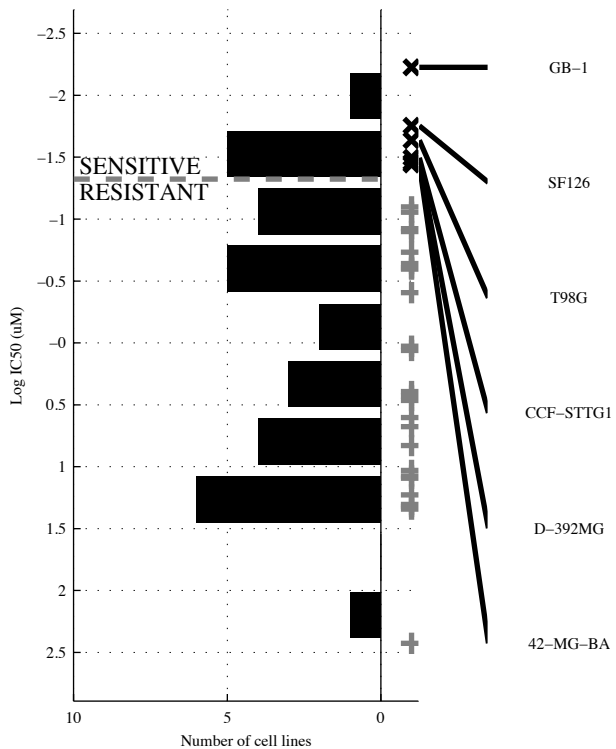
31 cell lines  
 7 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>KDM6A</b>	<b>a(EGFR &amp; H2O2-U)</b>	<b>-TP53 &amp; d(CDKN2C)</b> <b>-H2O2-U</b>	<b>-TP53 &amp; -d(TP53 &amp; CDKN2C)</b> <b>-d(CDKN2C &amp; H2O2-U)</b>	<b>CHD8   KDM6A</b>	<b>[a(AKAP9 &amp; H2O2-U)   -d14q13.1 &amp; JAK-STAT]</b>	<b>CHD8   KDM6A   MAPK o</b>	<b>CHD8   KDM6A   IL-1-U   MAPK o</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{6} \mid \frac{0}{24}$ 1 0.14	$\frac{2}{5} \mid \frac{2}{22}$ 0.92 0.5 0.29	$\frac{4}{3} \mid \frac{4}{20}$ 0.83 0.5 0.57	$\frac{4}{3} \mid \frac{3}{21}$ 0.88 0.57 0.57	$\frac{2}{5} \mid \frac{0}{24}$ 1 1 0.29	$\frac{4}{3} \mid \frac{2}{22}$ 0.92 0.67 0.57	$\frac{4}{3} \mid \frac{0}{24}$ 1 1 0.57	$\frac{5}{2} \mid \frac{1}{23}$ 0.96 0.83 0.71

GBM  
 id: 155 name: AP-24534  
 target: ABL class: ABL signaling

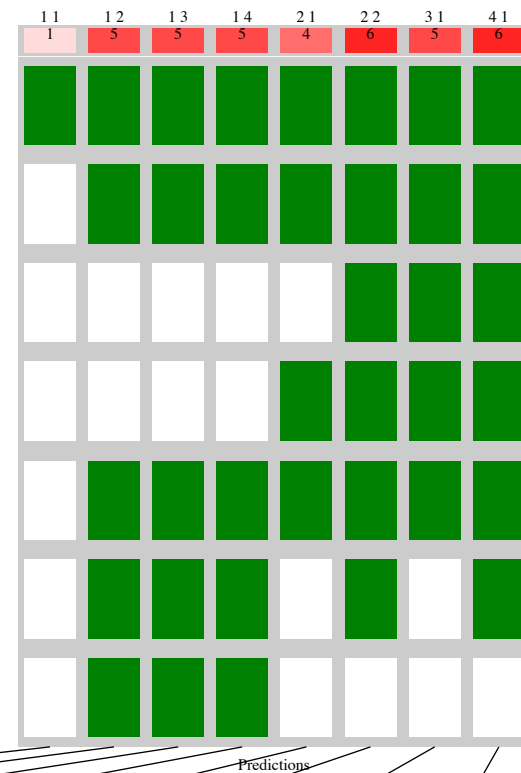
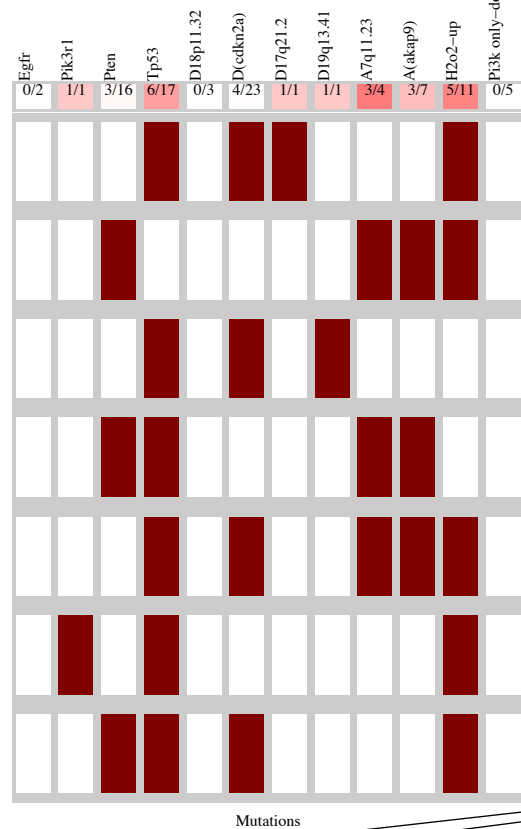
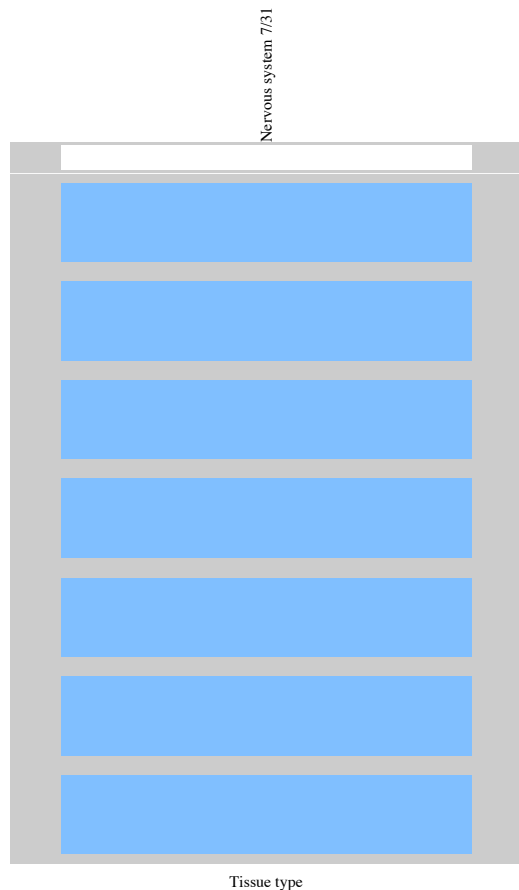
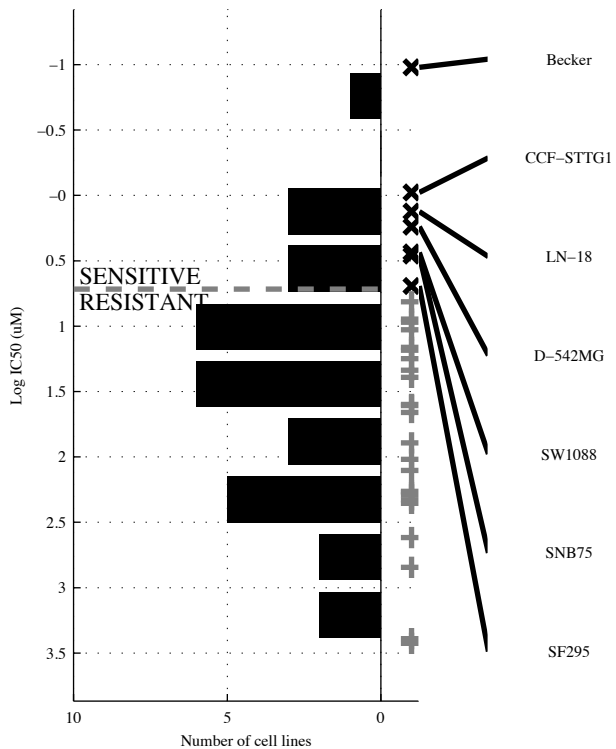
31 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a(CDK4)</b>	<b>a(CDK4 &amp; a7p14)</b>	<b>¬TP53 &amp; ¬d18p11 &amp; ¬d(CDKN</b>	<b>¬BRAF &amp; ¬TP53 &amp; ¬d18p11 &amp; d(CDKN</b>	<b>a(CDK4   IL-1-U</b>	<b>[¬PIK3CB &amp; IL-1-U]   [NF1 &amp; a(CDK4]</b>	<b>CHD8   a(CDK4   IL-1-U</b>	<b>CHD8   a(FIP1   a(CDK4   IL-1-U</b>
TP   FP	1   2	1   0	4   5	4   3	3   2	3   0	4   2	5   2
Specificity	0.92	1	0.8	0.88	0.92	1	0.92	0.92
FN   TN	5   23	5   25	2   20	2   22	3   23	3   25	2   23	1   23
Precision	0.33	1	0.44	0.57	0.6	1	0.67	0.71
Recall	0.17	0.17	0.67	0.67	0.5	0.5	0.67	0.83

GBM  
 id: 156 name: AZD6482  
 target: PI3Kbeta class: PI3K signaling

31 cell lines  
 7 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d17q21</b>	<b>H2O2-U&amp;-PI3K o</b>	<b>-d18p11&amp;H2O2-U&amp;-PI3K o</b>	<b>-EGFR&amp;-d18p11&amp;H2O2-U&amp;-PI3K o</b>	<b>d17q21   a7q11.</b>	<b>[ -PTEN&amp; TP53 ]   [-d(CDKN2a)&amp;(AKAP)]</b>	<b>d17q21   d19q13   a7q11.</b>	<b>PIK3R1   d17q21   d19q13   a7q11.</b>
TP   FP	1   0	5   2	5   1	5   1	4   1	6   4	5   1	6   1
Specificity	1	0.92	0.96	0.96	0.96	0.83	0.96	0.96
FN   TN	6   24	2   22	2   23	2   23	3   23	1   20	2   23	1   23
Precision	1	0.71	0.83	0.83	0.8	0.6	0.83	0.86
Recall	0.14	0.71	0.71	0.71	0.57	0.86	0.71	0.86

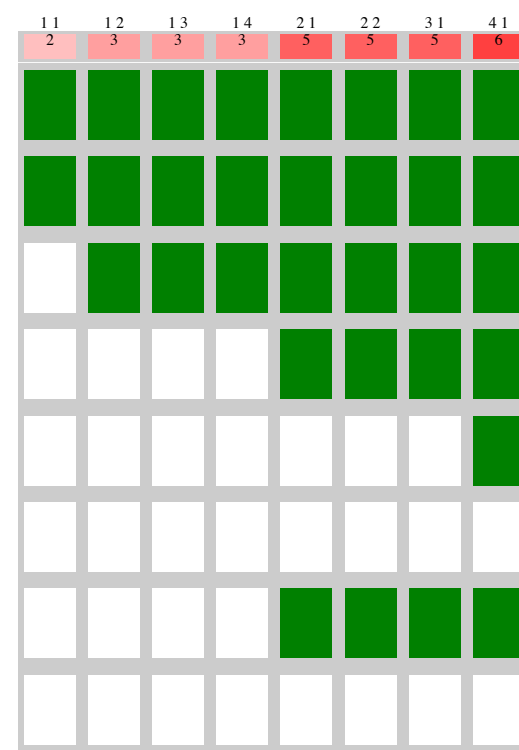
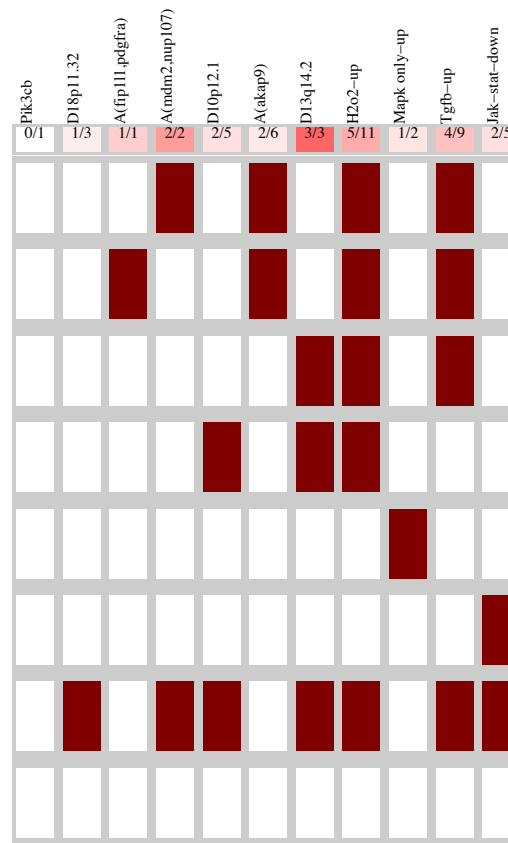
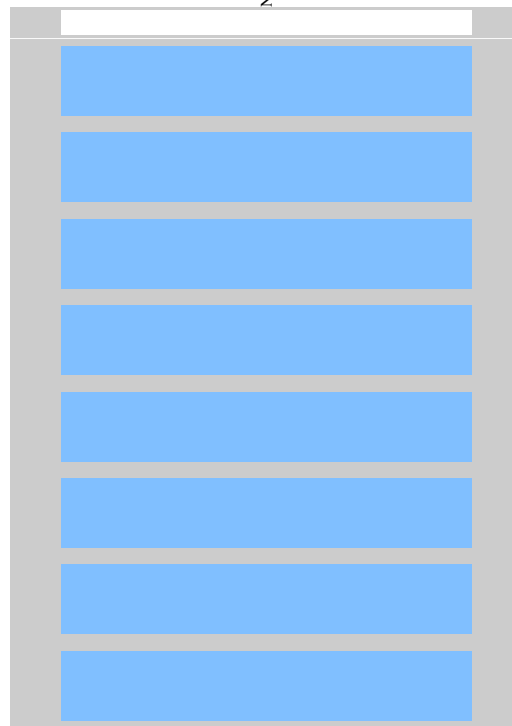
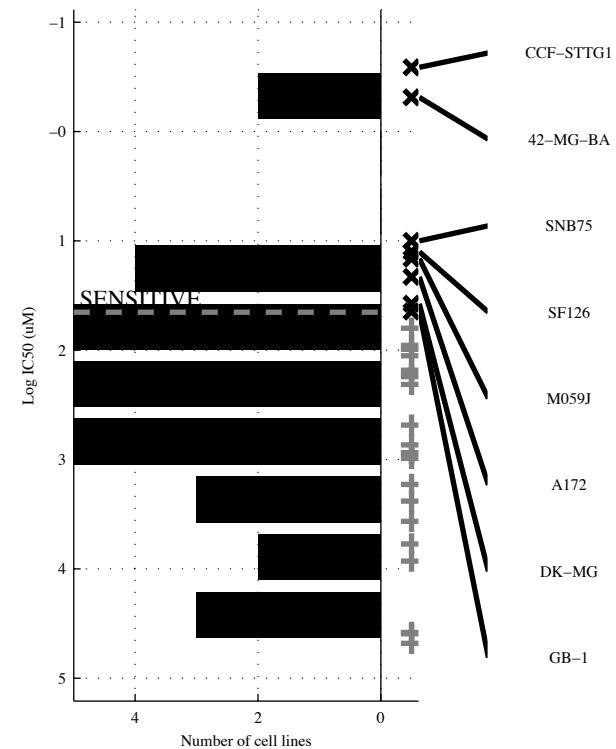




GBM  
 id: 199 name: Pazopanib  
 target: VEGFR, PDGFRA, PDGFRB, KIT class: RTK signaling

29 cell lines  
 8 sensitive

Nervous system 8/29

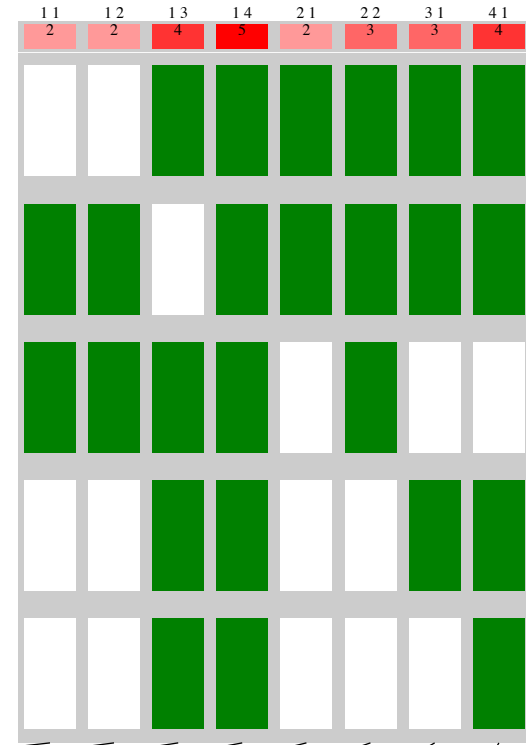
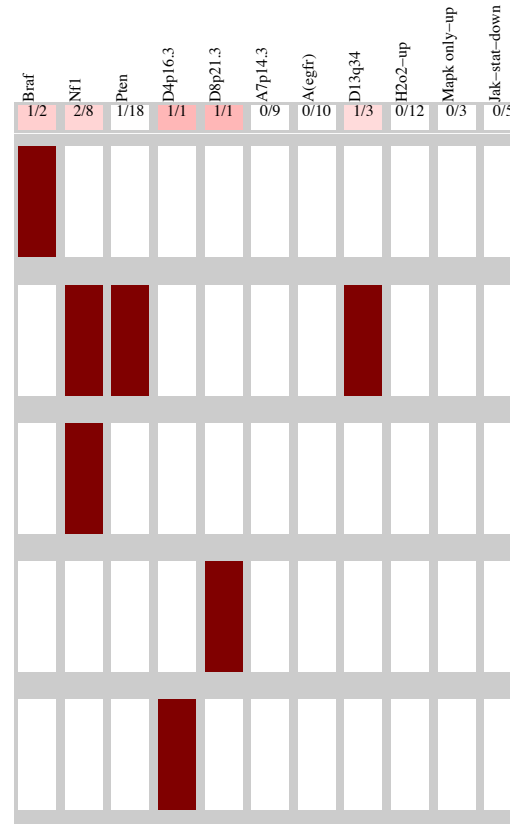
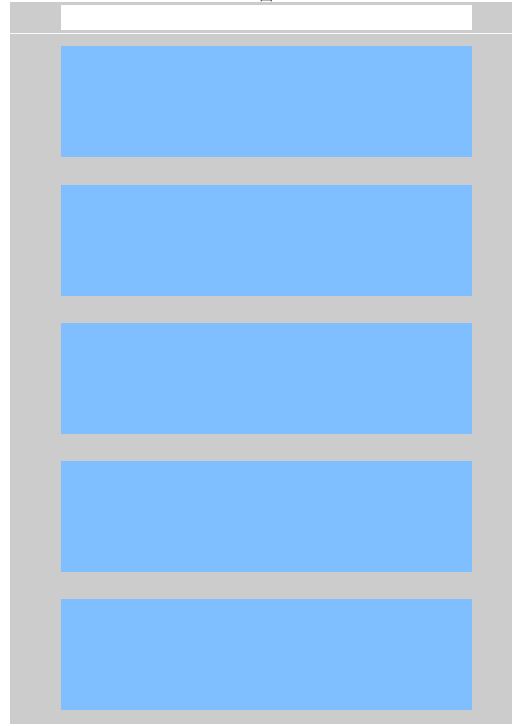
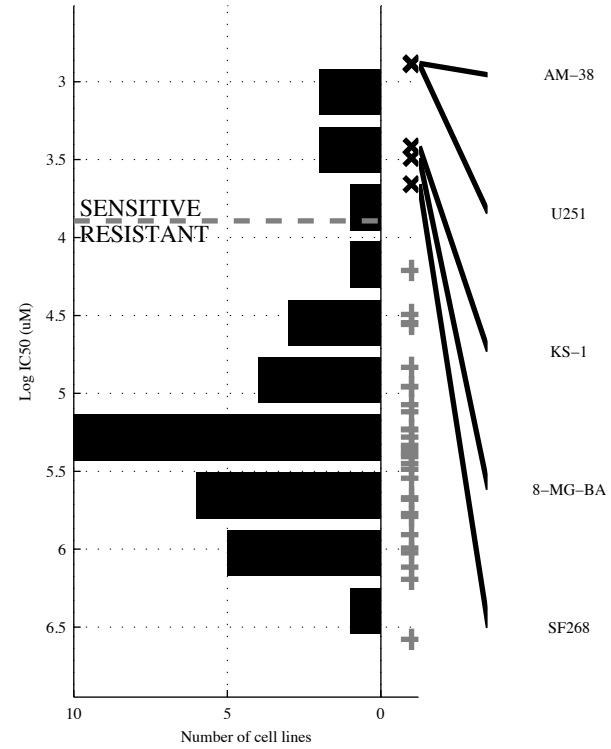


Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>a(AKAP)</b>		<b>¬d18p11 &amp; TGFβ-U</b>		<b>¬d18p11 &amp; H2O2-U &amp; TGFβ-U</b>		<b>¬d18p11 &amp; d10p12 &amp; TGFβ-U &amp; JAK-ST</b>		<b>a(AKAP   d13q14)</b>		<b>[a(AKAP &amp; TGFβ-U)   TGFβ-U]</b>		<b>a(FIP1   la(MDM2)   d13q14)</b>		<b>a(FIP1   la(MDM2)   d13q14   MAPK o)</b>	
TP   FP	2   4	3   4	3   2	3   1	5   4	5   1	5   0	6   1	3   4	3   1	5   1	5   0	3   21	2   1	2   20	
Specificity	0.81	0.81	0.9	0.95	0.81	0.95	1	0.95	0.81	0.83	0.95	1	0.63	0.95	0.95	
Precision	0.33	0.43	0.6	0.75	0.56	0.83	1	0.86	0.56	0.63	0.83	1	0.63	0.86	0.86	
Recall	0.25	0.38	0.38	0.38	0.63	0.63	0.63	0.75	0.63	0.63	0.63	0.63	0.63	0.75	0.75	

GBM  
 id: 265 name: Tubastatin A  
 target: HDAC6 class: chromain histone acetylation

35 cell lines  
 5 sensitive

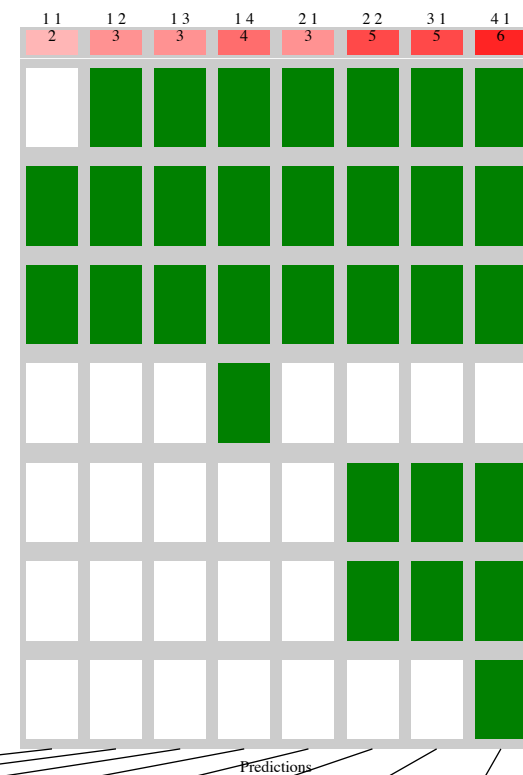
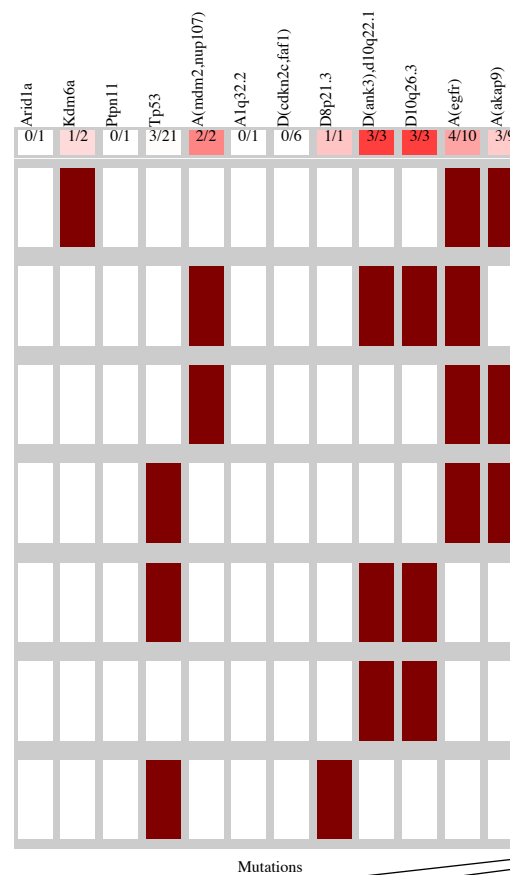
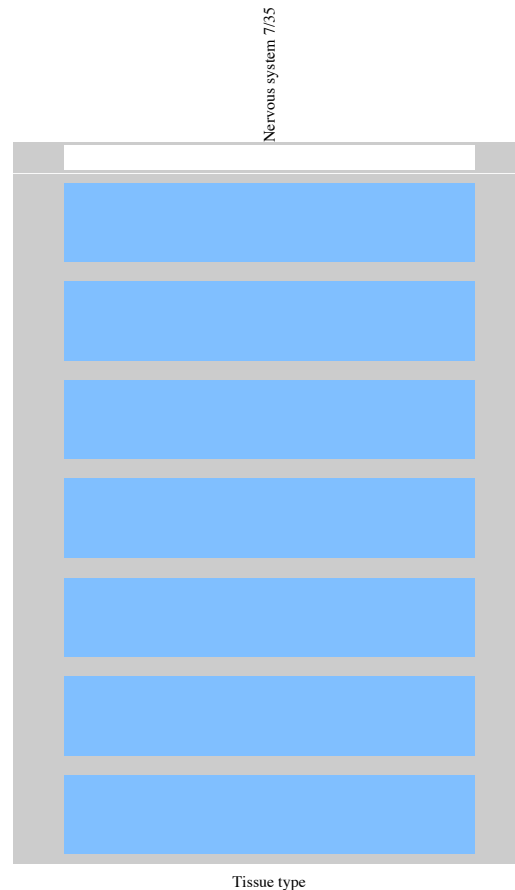
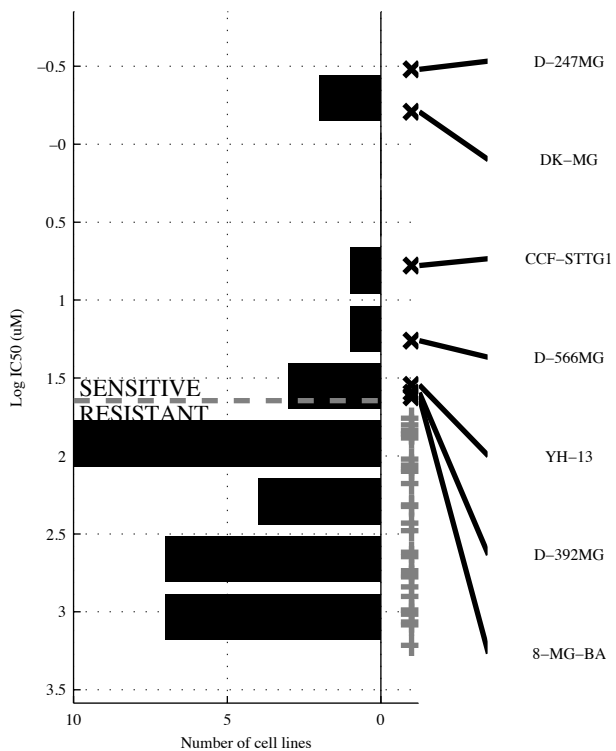
Nervous system 5/35



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>NF1</b>	<b>NF1 &amp; ¬a7p14.</b>	<b>¬PTEN &amp; H2O2- &amp; ¬MAPK o</b>	<b>¬a(EGFR &amp; H2O2- &amp; ¬MAPK &amp; JAK-ST</b>	<b>BRAF   d13q34</b>	<b>[ NF1 &amp; ¬a7p14. ]   [ BRAF &amp; MAPK d</b>	<b>BRAF   d8p21.   d13q34</b>	<b>BRAF   d4p16.   d8p21.   d13q34</b>
TP   FP Specificity	2   6 0.8	2   2 0.93	4   6 0.8	5   6 0.8	2   3 0.9	3   2 0.93	3   3 0.9	4   3 0.9
FN   TN Precision	3   24 0.25	3   28 0.5	1   24 0.4	0   24 0.45	3   27 0.4	2   28 0.6	2   27 0.5	1   27 0.57
Recall	0.4	0.4	0.8	1	0.4	0.6	0.6	0.8

GBM  
 id: 277 name: ABT-869  
 target: VEGFR and PDGFR family class: RTK signaling

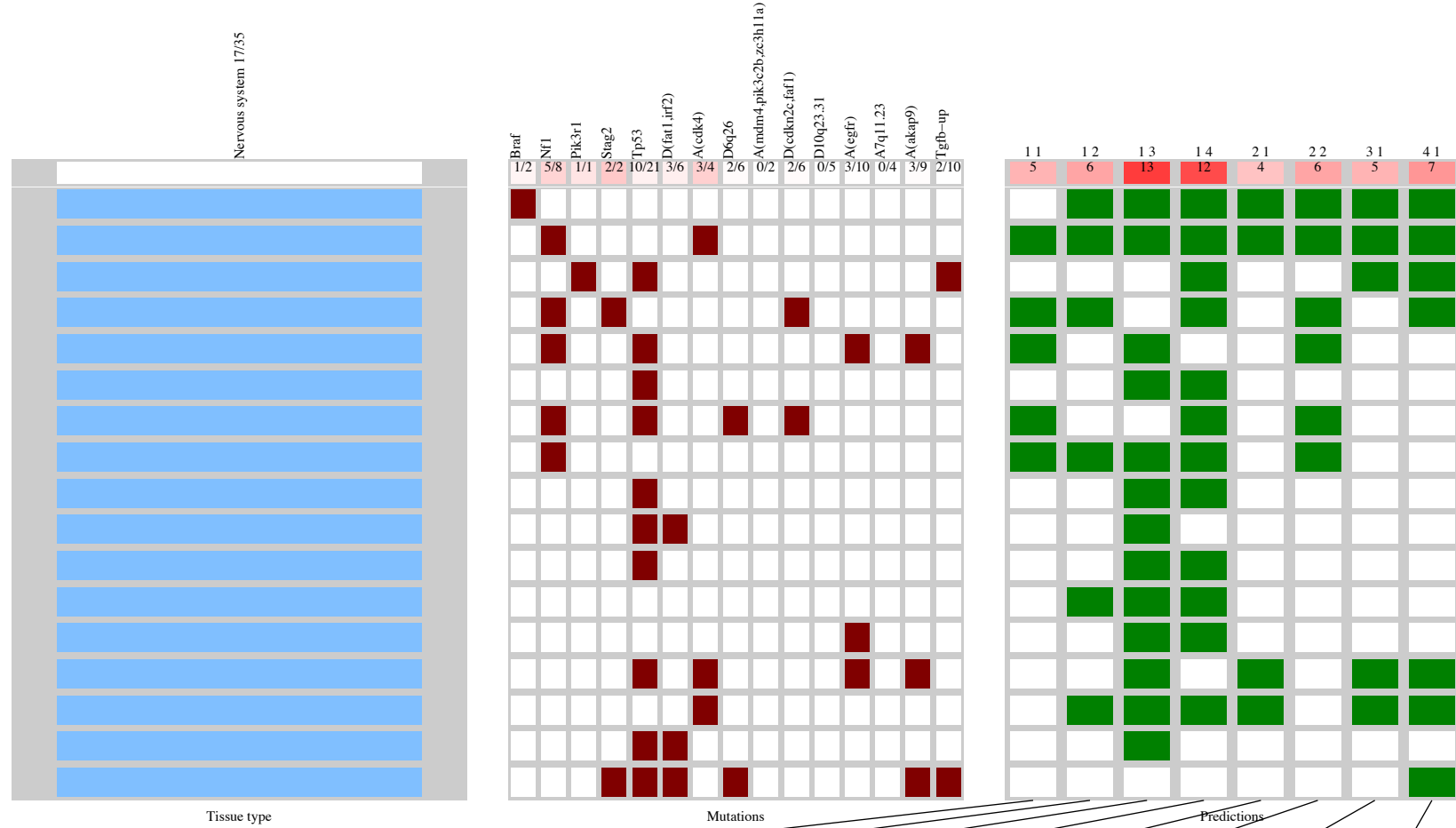
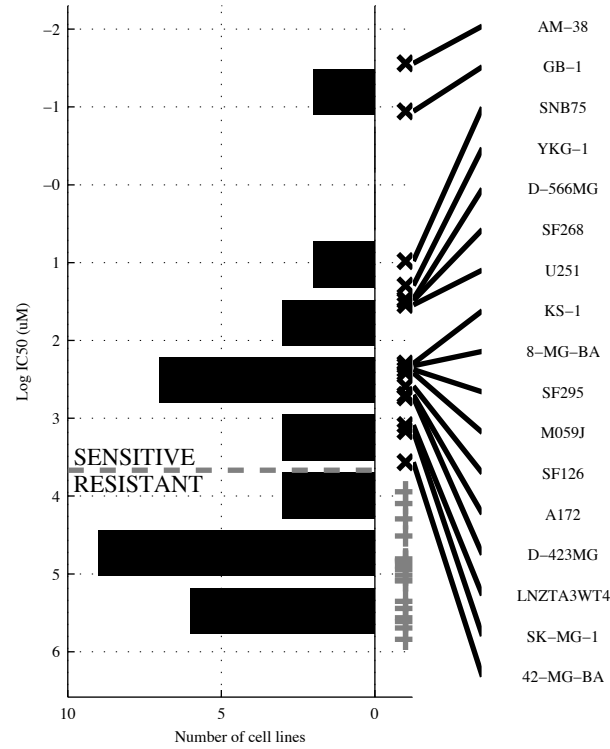
35 cell lines  
 7 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a(MDM2)</b>	<b>¬TP53 &amp;a(EGFR)</b>	<b>¬TP53 &amp;d(CDK2)</b>	<b>¬ARID1A &amp;¬PTPN11</b>	<b>KDM6A la(MDM2)</b>	<b>[ d10q26 &amp; ]</b>	<b>KDM6A la(MDM2)</b>	<b>KDM6A la(MDM2)</b>
TP   FP	2   0	3   2	3   1	4   3	3   1	5   0	5   1	6   1
FN   TN	5   28	4   26	4   27	3   25	4   27	2   28	2   27	1   27
Specificity	1	0.93	0.96	0.89	0.96	1	0.96	0.96
Precision	1	0.6	0.75	0.57	0.75	1	0.83	0.86
Recall	0.29	0.43	0.43	0.57	0.43	0.71	0.71	0.86

GBM  
 id: 300 name: CX-5461  
 target: RNA Pol I class: other

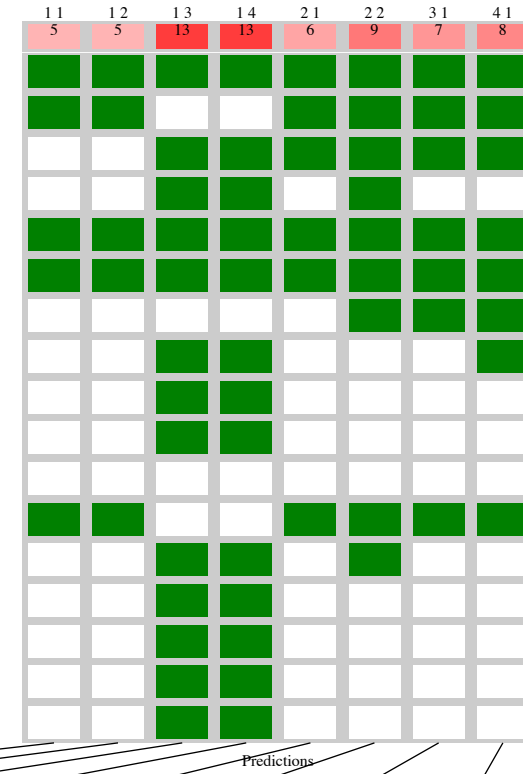
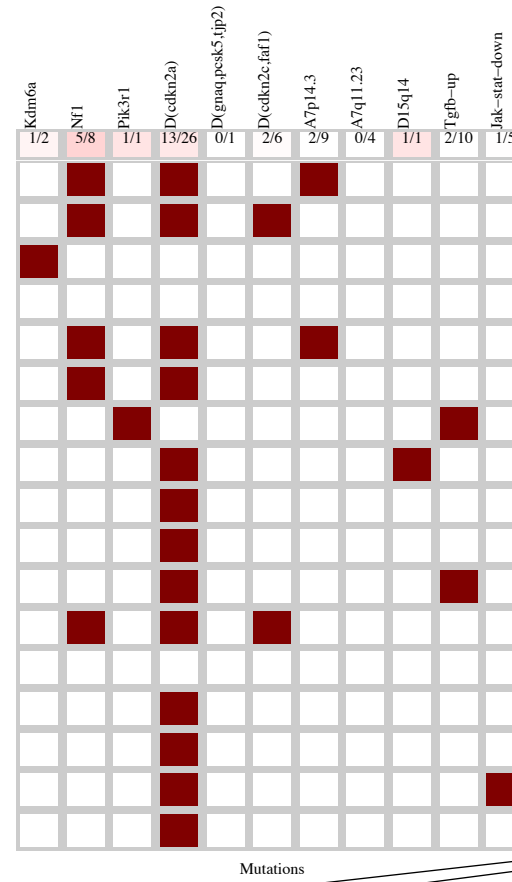
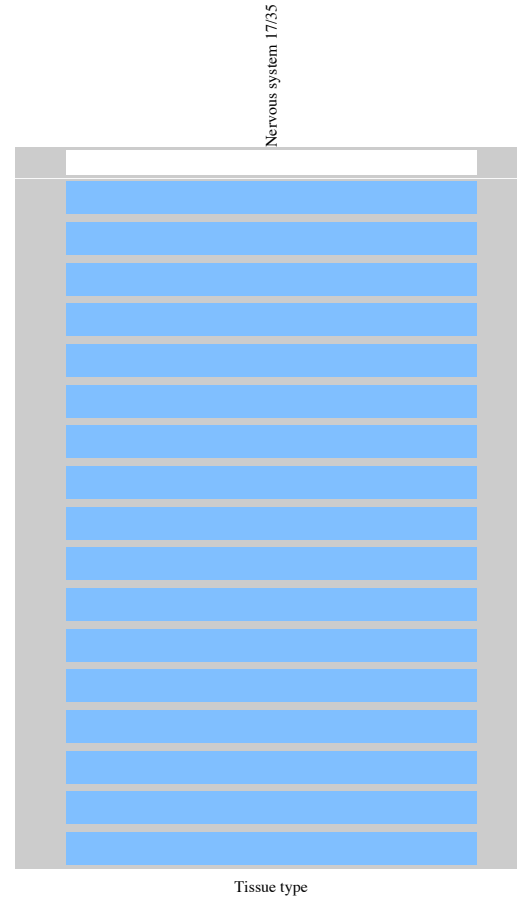
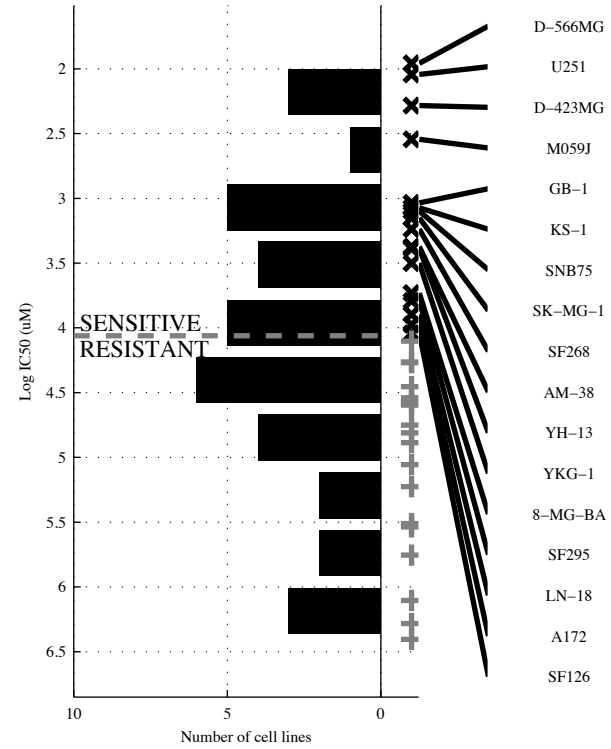
35 cell lines  
 17 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>NF1</b>	<b>-TP53 &amp; a(EGFR</b>	<b>-d(CDK4 &amp; -a7q11.&amp;</b> <b>-TGFB-U</b>	<b>-d(FAT &amp; a(MDM&amp;</b> <b>-d10q23.&amp; a(AKAP</b>	<b>BRAF   a(CDK4</b>	<b>[ NF1 &amp; -a7q11.]</b> <b> </b> <b>[ BRAF &amp; -d6q26 ]</b>	<b>BRAF   PIK3R1  </b> <b>a(CDK4</b>	<b>BRAF   PIK3R1  </b> <b>STAG2   a(CDK4</b>
TP   FP Specificity	5   3 0.83	6   3 0.83	13   3 0.83	12   3 0.83	4   1 0.94	6   1 0.94	5   1 0.94	7   1 0.94
FN   TN Precision	12   15 0.63	11   15 0.67	4   15 0.81	5   15 0.8	13   17 0.8	11   17 0.86	12   17 0.83	10   17 0.88
Recall	0.29	0.35	0.76	0.71	0.24	0.35	0.29	0.41

GBM  
 id: 309 name: Y-39983  
 target: ROCK class: cytoskeleton

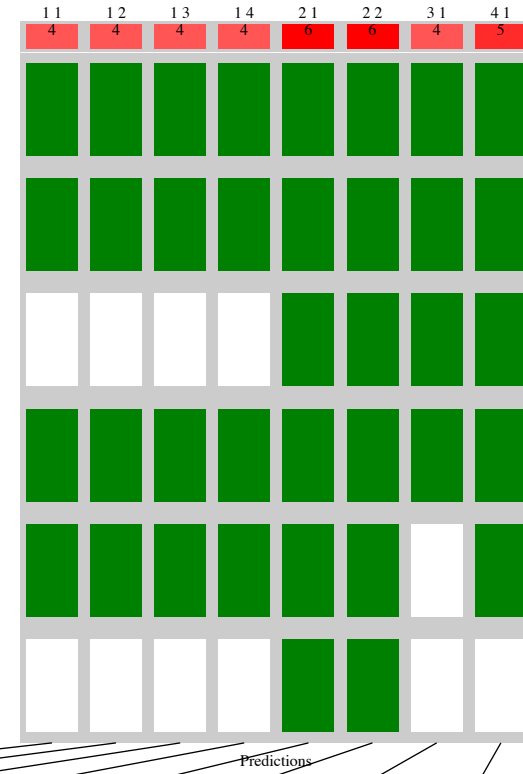
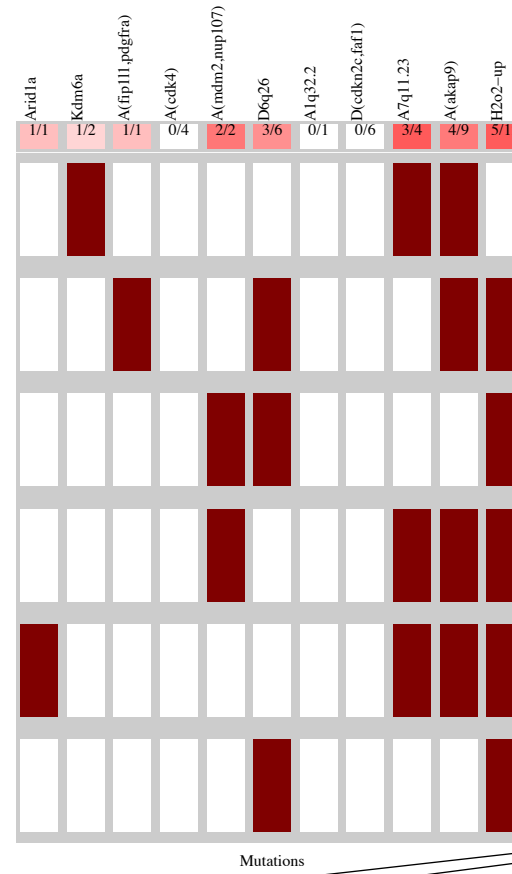
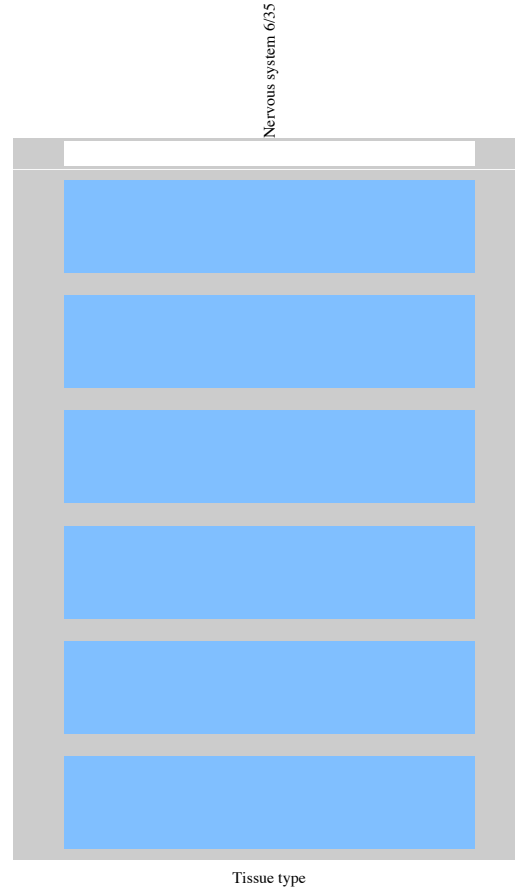
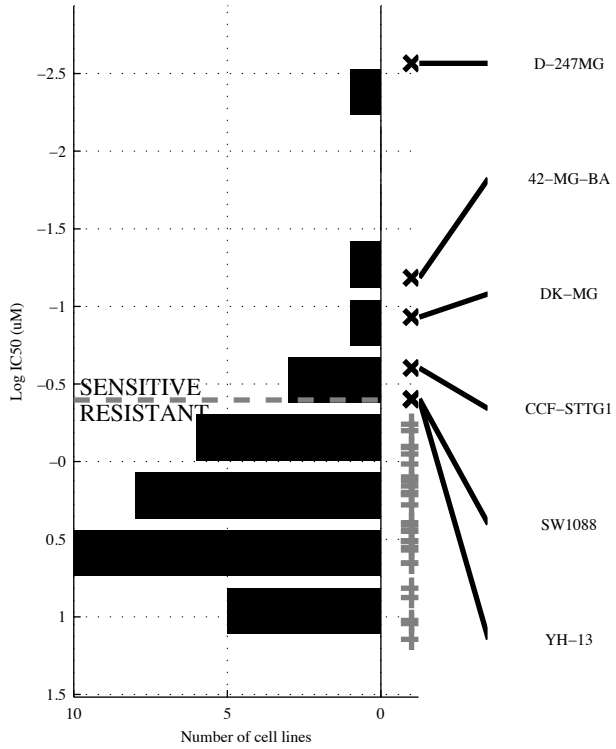
35 cell lines  
 17 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>NF1</b>	<b>NF1 &amp; JAK-ST</b>	<b>-d(CDKN2A) &amp; -a7q11.23</b> <b>-TGFB-U</b>	<b>-d(GNAQ) &amp; -d(CDKN2A)</b> <b>-a7q11.23 &amp; TGFB-U</b>	<b>KDM6A   NF1</b>	<b>[ -d(CDKN2A) &amp; -a7p14.3 ]</b> <b> </b> <b>[ NF1 &amp; -a7q11.23 ]</b>	<b>KDM6A   NF1  </b> <b>PIK3R1</b>	<b>KDM6A   NF1  </b> <b>PIK3R1   d15q14</b>
TP   FP	5   3	5   2	13   3	13   2	6   3	9   3	7   3	8   3
Specificity	0.83	0.89	0.83	0.89	0.83	0.83	0.83	0.83
FN   TN	12   15	12   16	4   15	4   16	11   15	8   15	10   15	9   15
Precision	0.63	0.71	0.81	0.87	0.67	0.75	0.7	0.73
Recall	0.29	0.29	0.76	0.76	0.35	0.53	0.41	0.47

GBM  
 id: 312 name: AV-951  
 target: VEGFR class: RTK signaling

35 cell lines  
 6 sensitive

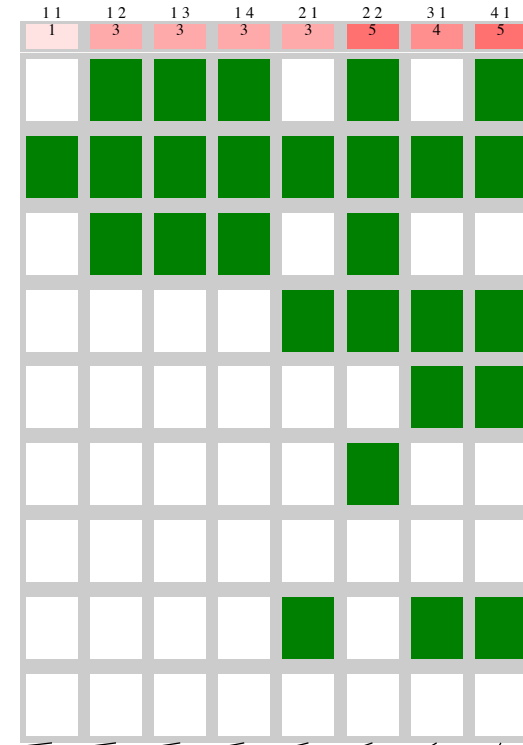
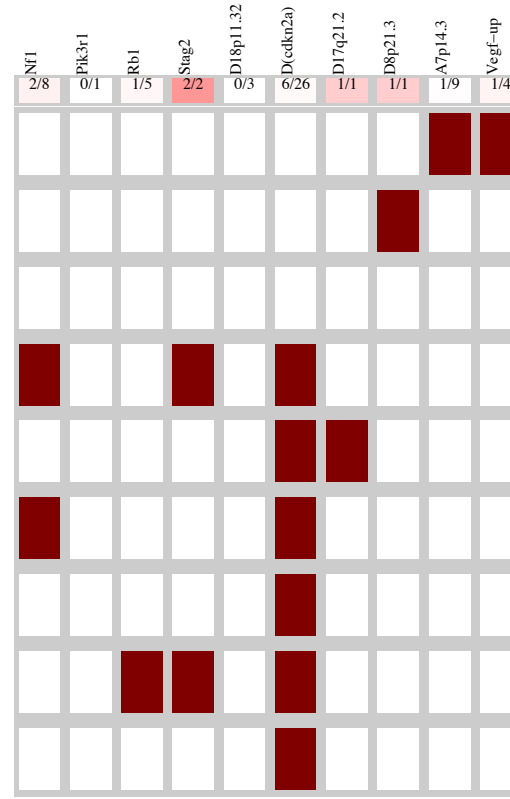
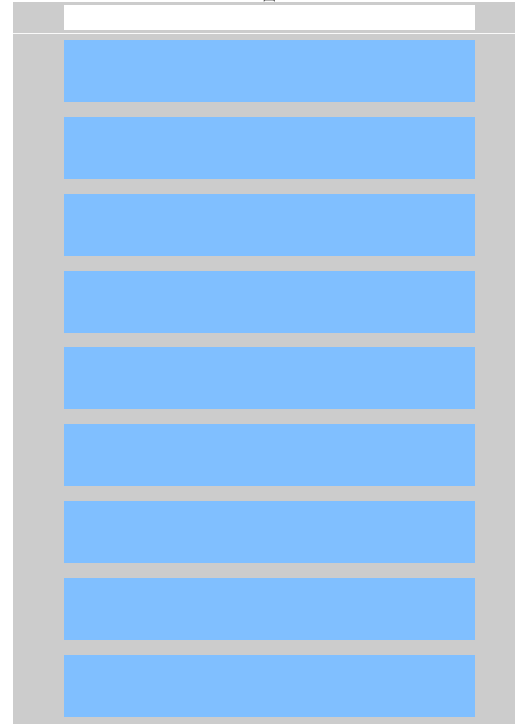
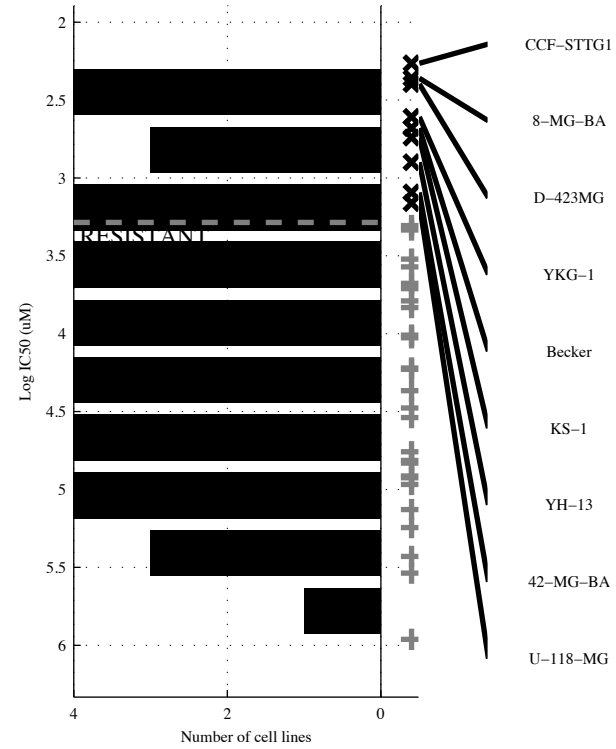


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a(AKAP)</b>	<b>¬a1q32.&amp;a(AKAP)</b>	<b>¬a(CDK&amp;¬a1q32.&amp;a(AKAP)</b>	<b>¬a(CDK&amp;¬a1q32.&amp;¬d(CDK&amp;a(AKAP)</b>	<b>d6q26   a7q11.</b>	<b>[ ¬a1q32.&amp;a7q11. ]   [ d6q26 &amp;H2O2-U]</b>	<b>KDM6A   a(FIP1   a(MDM2)</b>	<b>ARID1A   KDM6A   a(FIP1   a(MDM2)</b>
TP   FP	4   5	4   4	4   3	4   2	6   4	6   0	4   1	5   1
Specificity	0.83	0.86	0.9	0.93	0.86	1	0.97	0.97
FN   TN	2   24	2   25	2   26	2   27	0   25	0   29	2   28	1   28
Precision	0.44	0.5	0.57	0.67	0.6	1	0.8	0.83
Recall	0.67	0.67	0.67	0.67	1	1	0.67	0.83

GBM  
 id: 326 name: GSK690693  
 target: AKT class: PI3K signaling

35 cell lines  
 9 sensitive

Nervous system 9/35

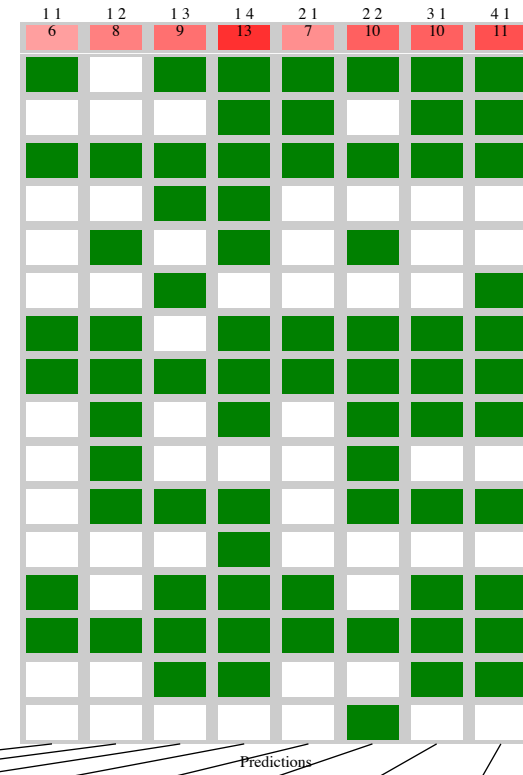
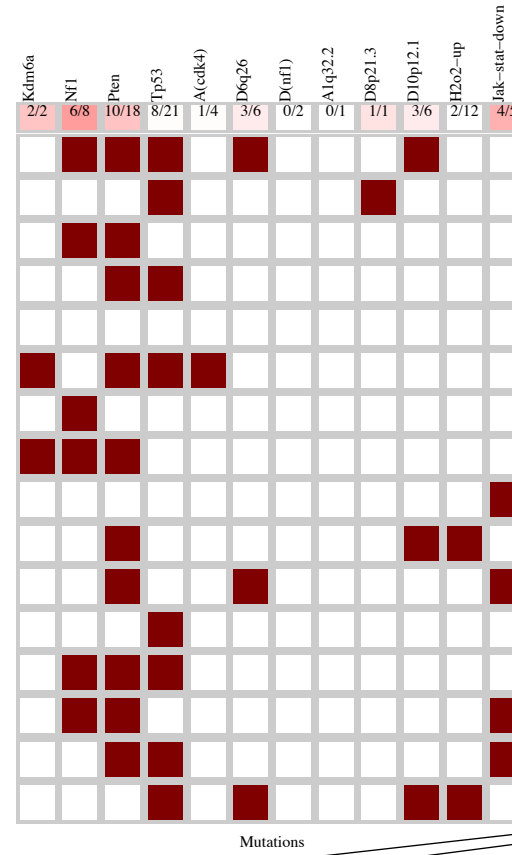
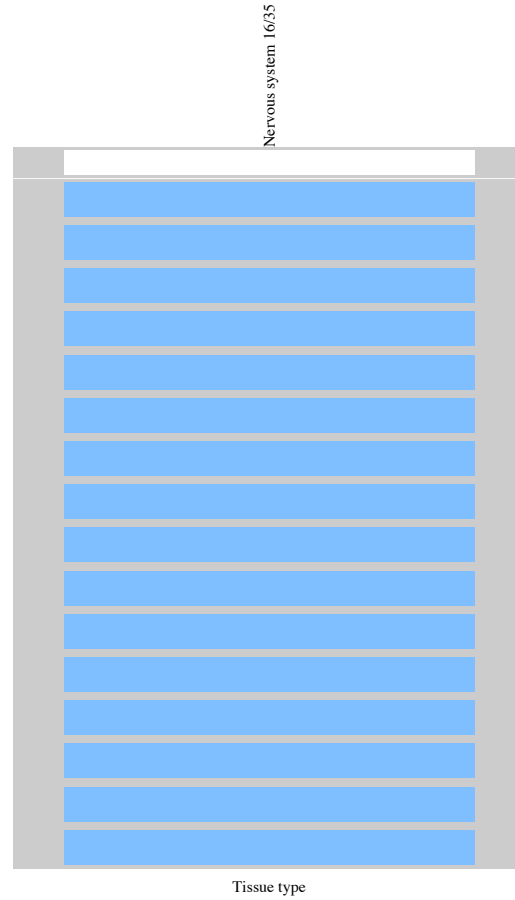
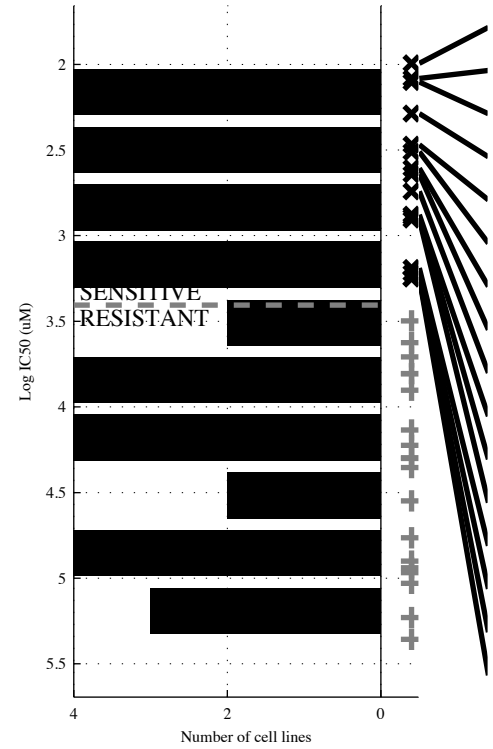


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d8p21.</b>	<b>-RB1 &amp;d(CDKN</b>	<b>-RB1 &amp;-d18p11&amp;</b> <b>-d(CDKN</b>	<b>-PIK3R&amp; -RB1 &amp;</b> <b>-d18p11&amp;d(CDKN</b>	<b>STAG2   d8p21.</b>	<b>[ -RB1 &amp;d(CDKN</b> <b> </b> <b>[ NF1 &amp;-a7p14.]</b>	<b>STAG2   d17q21  </b> <b>d8p21.</b>	<b>STAG2   d17q21  </b> <b>d8p21. IVEGF-U</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{8} \mid \frac{0}{26}$ 1 0.11	$\frac{3}{6} \mid \frac{2}{24}$ 0.92 0.6 0.33	$\frac{3}{6} \mid \frac{1}{25}$ 0.96 0.75 0.33	$\frac{3}{6} \mid \frac{0}{26}$ 1 1 0.33	$\frac{3}{6} \mid \frac{0}{26}$ 1 1 0.33	$\frac{5}{4} \mid \frac{4}{22}$ 0.85 0.56 0.56	$\frac{4}{5} \mid \frac{0}{26}$ 1 1 0.44	$\frac{5}{4} \mid \frac{3}{23}$ 0.88 0.63 0.56



GBM  
 id: 329 name: QL-XI-92  
 target: DDR1 class: RTK signaling

35 cell lines  
 16 sensitive

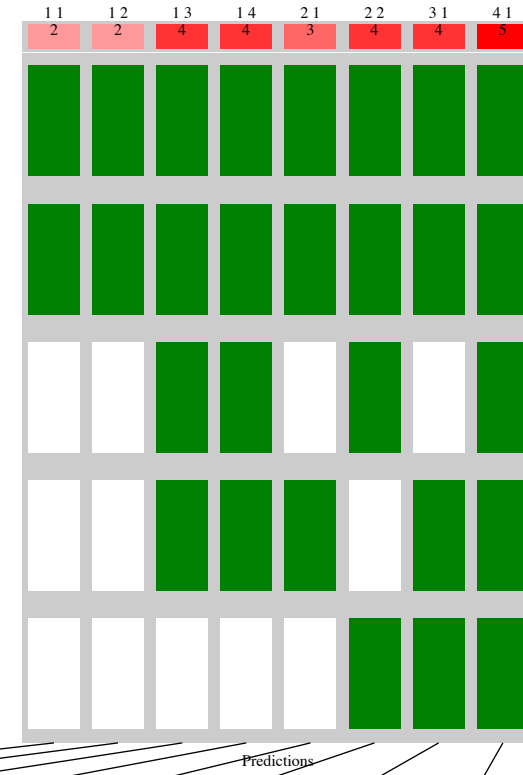
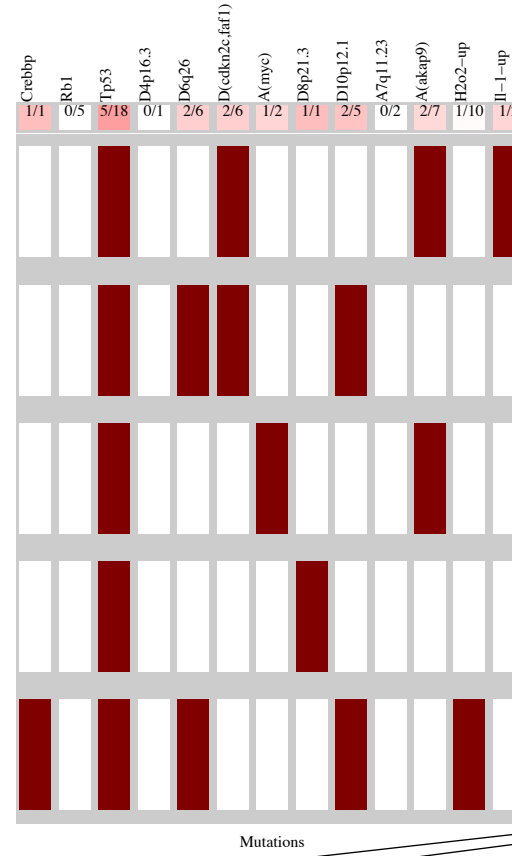
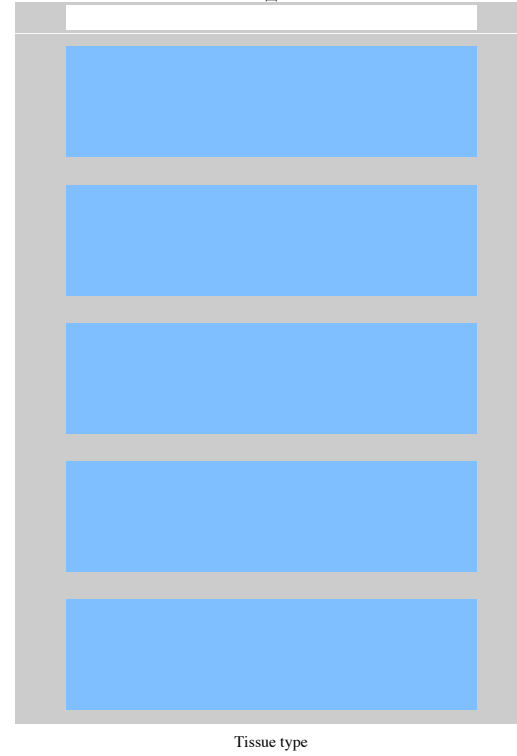
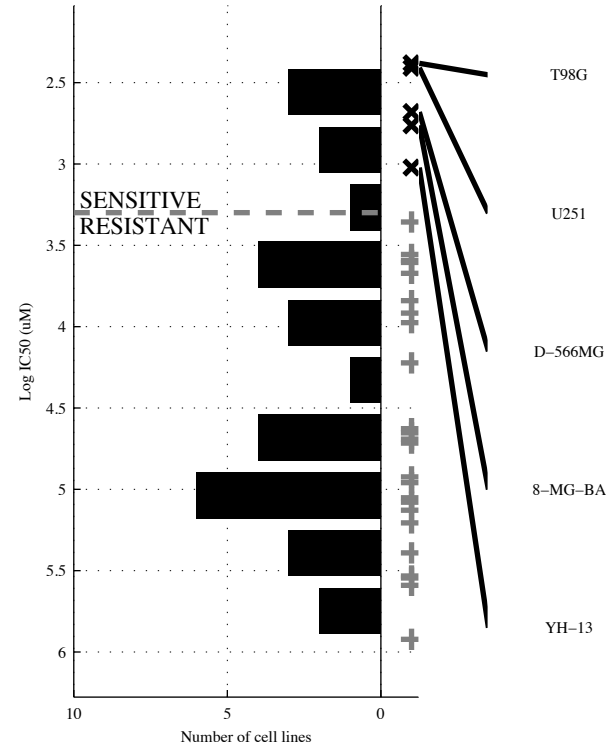


Model name	11	12	13	14	21	22	31	41
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>NF1</b>	<b>¬TP53 &amp; ¬a(CDK4)</b>	<b>PTEN &amp; ¬a1q32.&amp;</b> <b>¬H2O2-U</b>	<b>¬a(CDK&amp;¬d(NF1)&amp;</b> <b>¬a1q32.&amp;H2O2-U</b>	<b>NF1   d8p21.</b>	<b>[ d6q26 &amp; d10p12 ]</b> <b> </b> <b>[ ¬TP53 &amp; a(CDK4)</b>	<b>NF1   d8p21.  </b> <b>JAK-ST</b>	<b>KDM6A   NF1  </b> <b>d8p21.  JAK-ST</b>
TP   FP Specificity	6   2 0.89	8   3 0.84	9   1 0.95	13   3 0.84	7   2 0.89	10   3 0.84	10   3 0.84	11   3 0.84
FN   TN Precision	10   17 0.75	8   16 0.73	7   18 0.9	3   16 0.81	9   17 0.78	6   16 0.77	6   16 0.77	5   16 0.79
Recall	0.38	0.5	0.56	0.81	0.44	0.63	0.63	0.69

GBM  
 id: 1025 name: SB 216763  
 target: GSK3A, GSK3B class: WNT signaling

29 cell lines  
 5 sensitive

Nervous system: 5/29

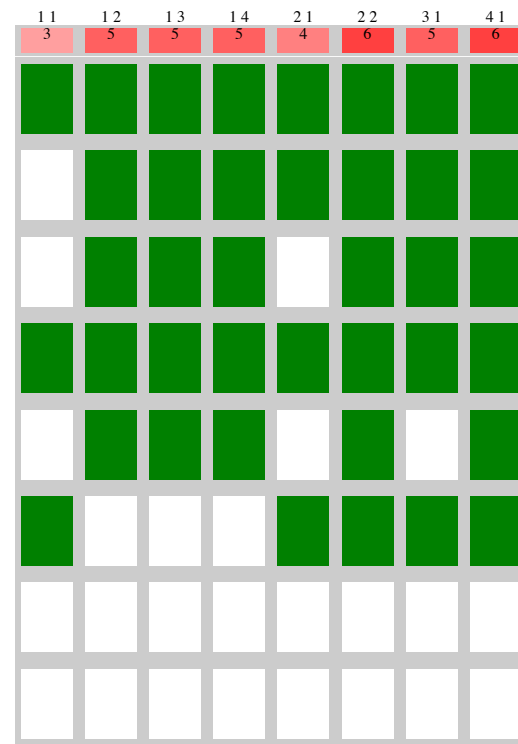
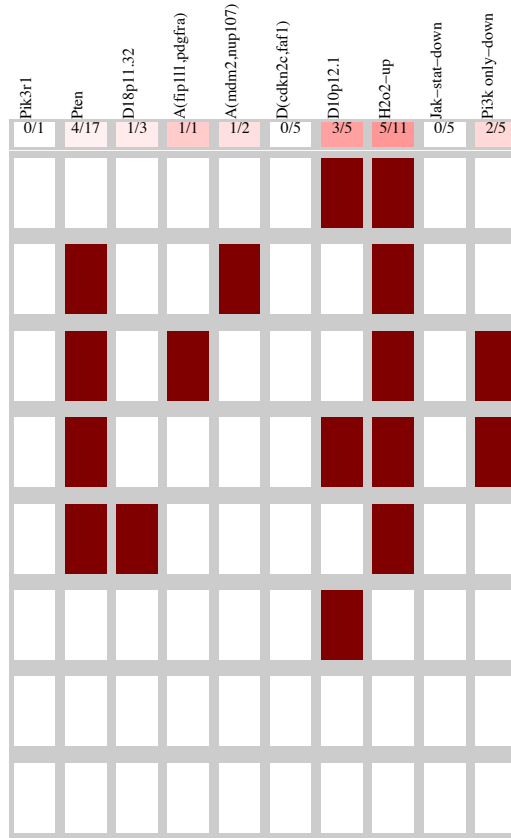
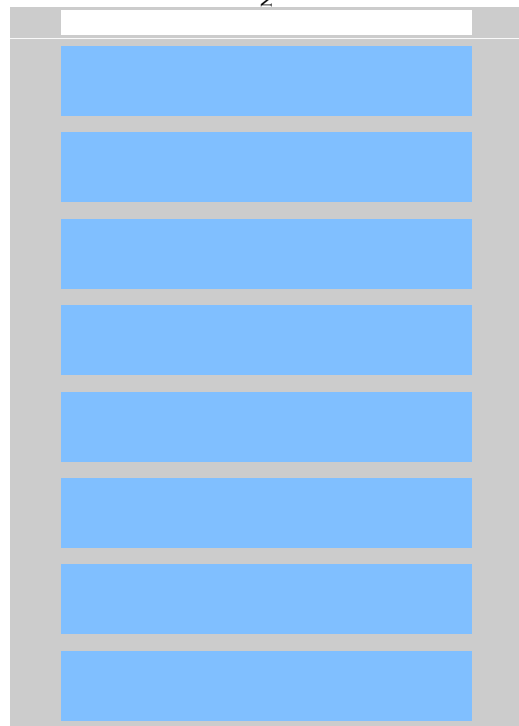
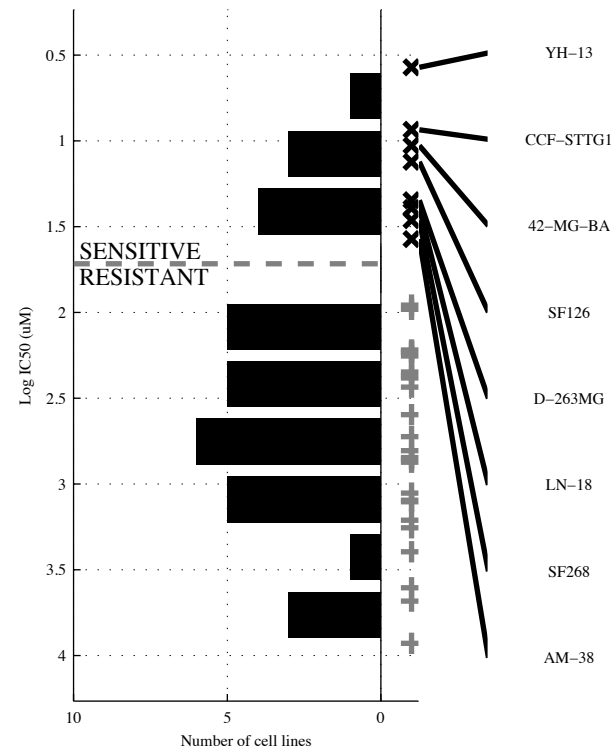


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d(CDKN)</b>	<b>TP53 &amp; d(CDKN)</b>	<b>-RB1 &amp; TP53 &amp; -H2O2-U</b>	<b>-RB1 &amp; TP53 &amp; -d4p16.&amp;H2O2-U</b>	<b>d(CDKN)   d8p21.</b>	<b>[ TP53 &amp; d6q26 ]   [ -a7q11.&amp;a(AKAP) ]</b>	<b>CREBBP   d(CDKN)   d8p21.</b>	<b>a(MYC)   d8p21.   d10p12   IL-1-U</b>
TP   FP	2   4	2   1	4   2	4   1	3   4	4   3	4   4	5   4
Specificity	0.83	0.96	0.92	0.96	0.83	0.88	0.83	0.83
FN   TN	3   20	3   23	1   22	1   23	2   20	1   21	1   20	0   20
Precision	0.33	0.67	0.67	0.8	0.43	0.57	0.5	0.56
Recall	0.4	0.4	0.8	0.8	0.6	0.8	0.8	1

GBM  
 id: 1029 name: AMG-706  
 target: VEGFR, RET, c-KIT, PDGFR class: RTK signaling

33 cell lines  
 8 sensitive

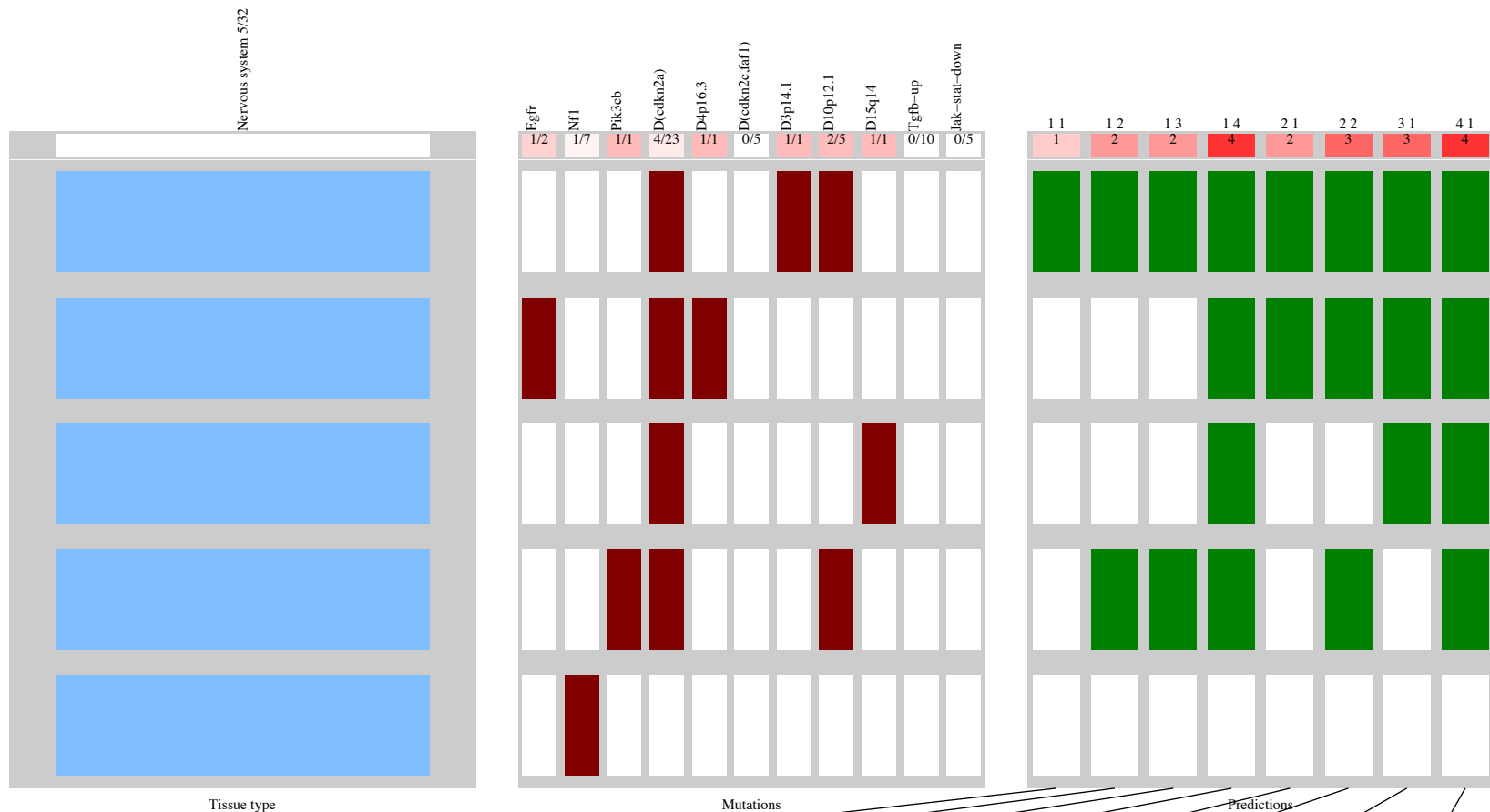
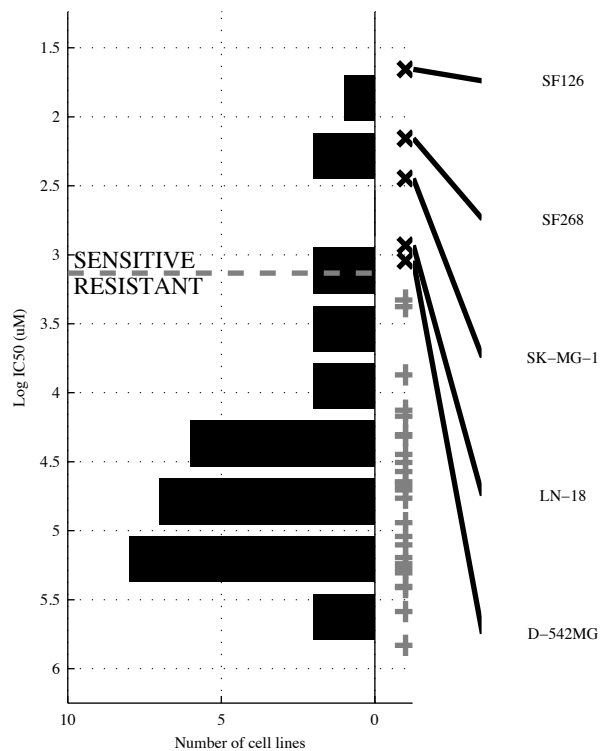
Nervous system 8/33



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d10p12</b>	<b>~d(CDKN2C) &amp; H2O2-U</b>	<b>~PIK3R1 &amp; d(CDKN2C) &amp; H2O2-U</b>	<b>~PIK3R1 &amp; d(CDKN2C) &amp; H2O2-U &amp; JAK-ST</b>	<b>a(MDM2)   d10p12</b>	<b>[ PTEN &amp; H2O2-U ]   [ d10p12 &amp; ~PI3K o ]</b>	<b>a(FIP1)   a(MDM2)   d10p12</b>	<b>d18p11   a(FIP1)   a(MDM2)   d10p12</b>
TP   FP Specificity	3   2 0.92	5   5 0.8	5   4 0.84	5   3 0.88	4   2 0.92	6   3 0.88	5   2 0.92	6   3 0.88
FN   TN Precision	5   23 0.6	3   20 0.5	3   21 0.56	3   22 0.63	4   23 0.67	2   22 0.67	3   23 0.71	2   22 0.67
Recall	0.38	0.63	0.63	0.63	0.5	0.75	0.63	0.75

GBM  
 id: 1042 name: BIRB 0796  
 target: p38, JNK2 class: JNK and p38 signaling

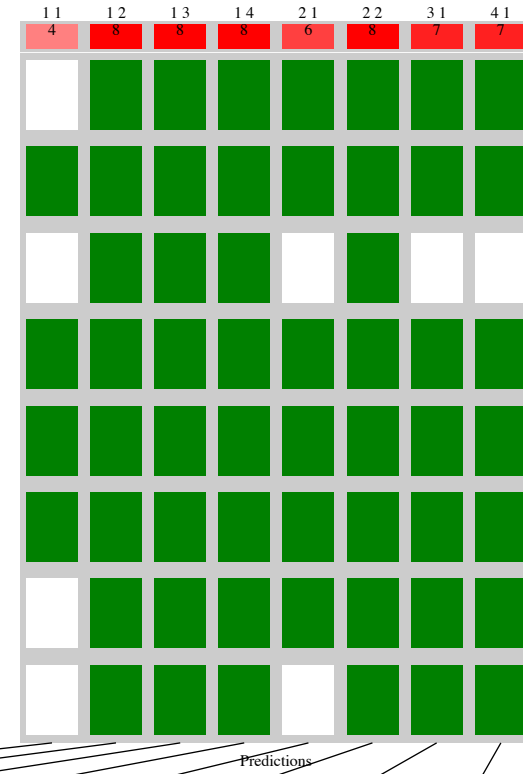
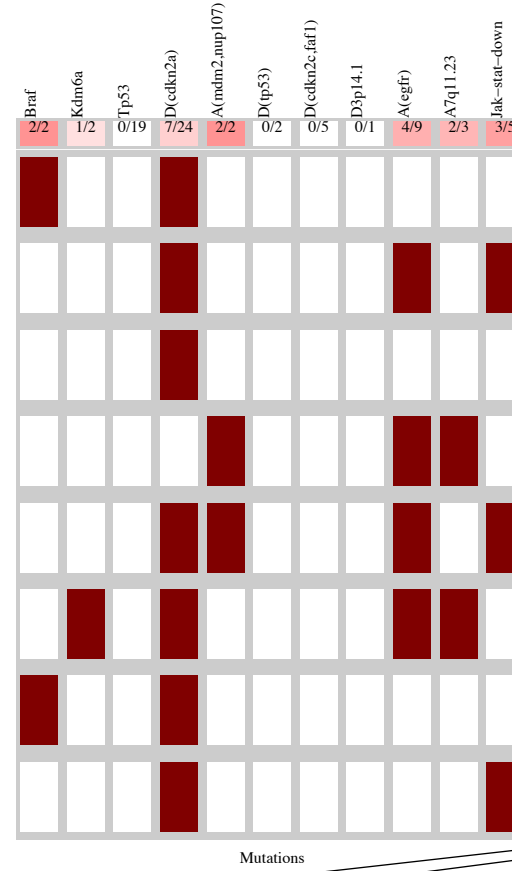
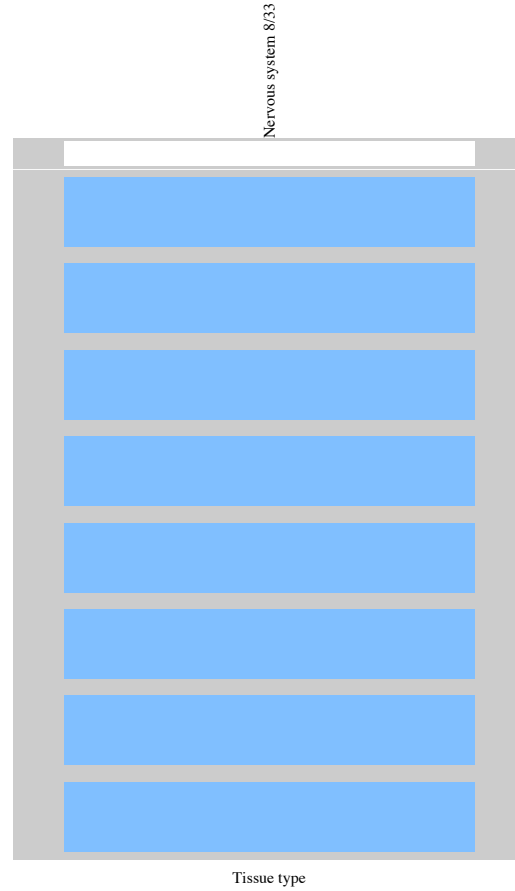
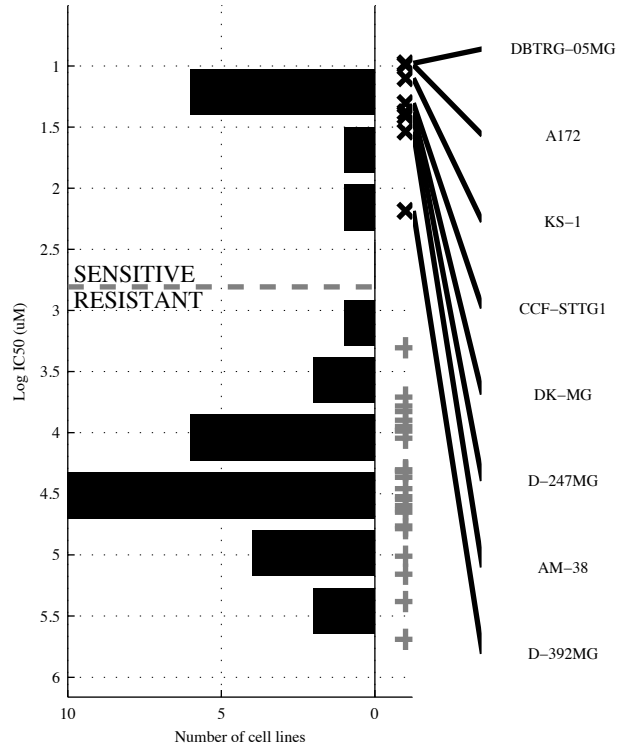
32 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d3p14.</b>	<b>d10p12 &amp; TGFB-U</b>	<b>d10p12 &amp; TGFB-U</b> <b>¬JAK-ST</b>	<b>¬NF1 &amp; d(CDKN2A)</b> <b>¬d(CDKN2C:fat1) &amp; TGFB-U</b>	<b>d4p16.   d3p14.</b>	<b>[ d10p12 &amp; TGFB-U ]</b> <b> </b> <b>[ EGFR &amp; d(CDKN) ]</b>	<b>d4p16.   d3p14.  </b> <b>d15q14</b>	<b>PIK3CB   d4p16.  </b> <b>d3p14.   d15q14</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{4} \mid \frac{0}{27}$ 1 0.2	$\frac{2}{3} \mid \frac{0}{27}$ 1 0.4	$\frac{2}{3} \mid \frac{0}{27}$ 1 0.4	$\frac{4}{1} \mid \frac{3}{24}$ 0.89 0.57 0.8	$\frac{2}{3} \mid \frac{0}{27}$ 1 0.4	$\frac{3}{2} \mid \frac{0}{27}$ 1 0.6	$\frac{3}{2} \mid \frac{0}{27}$ 1 0.6	$\frac{4}{1} \mid \frac{0}{27}$ 1 0.8

GBM  
 id: 1047 name: Nutlin-3a  
 target: MDM2 class: p53 pathway

33 cell lines  
 8 sensitive

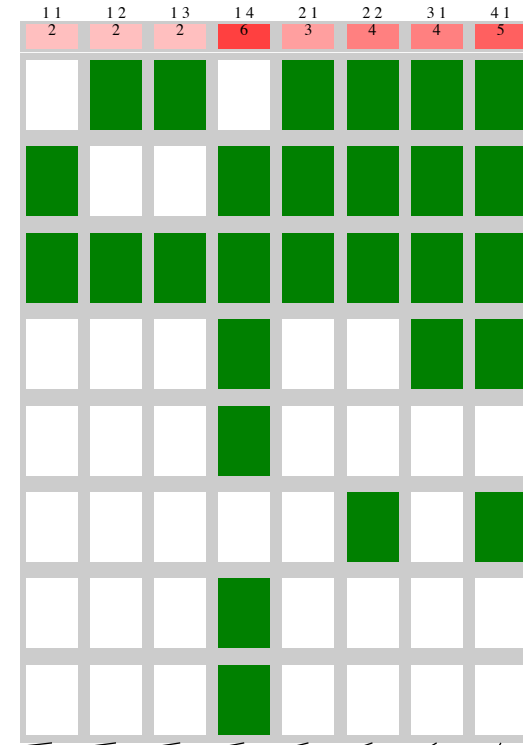
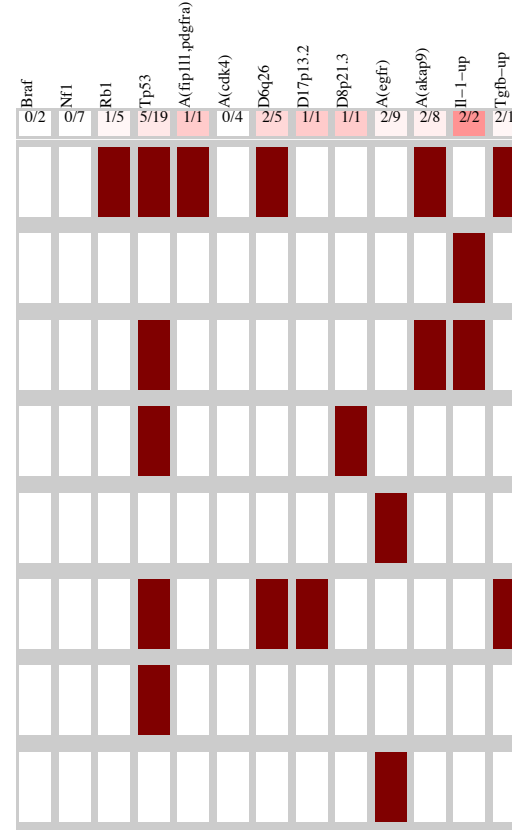
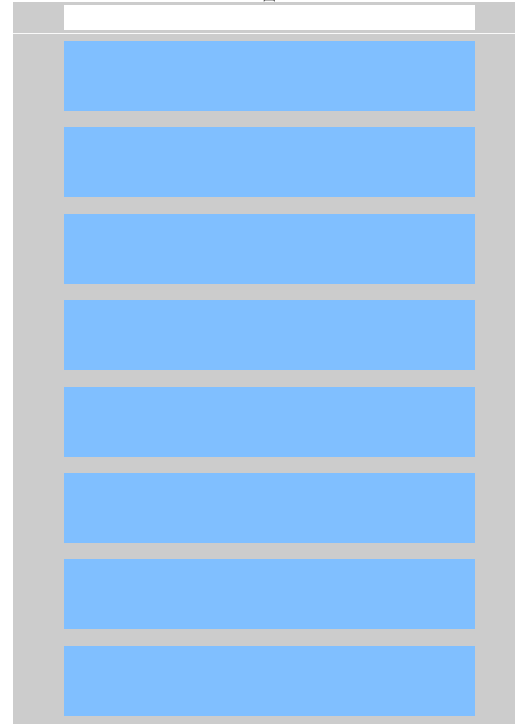
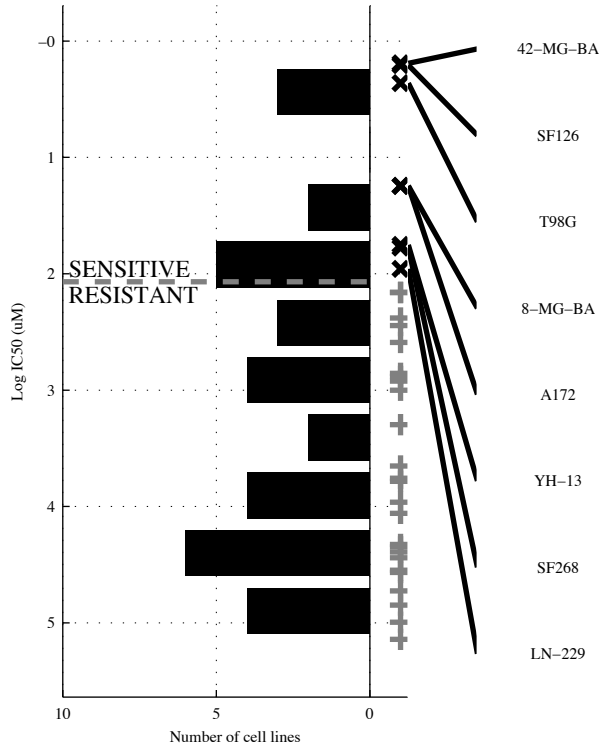


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	a(EGFR)	<b>-TP53 &amp;d(CDKN</b>	<b>-TP53 &amp;-d(TP53&amp;</b>	<b>-TP53 &amp;-d(TP53&amp;</b>	<b>BRAF   a(EGFR</b>	<b>[ -TP53 &amp;d(CDKN</b>   <b>[KDM6A&amp;d(CDKN]</b>	<b>BRAF   a7q11.  </b> <b>JAK-ST</b>	<b>BRAF   KDM6A  </b> <b>a(MDM2 JAK-ST</b>
TP   FP Specificity	4   5 0.8	8   3 0.88	8   2 0.92	8   1 0.96	6   5 0.8	8   3 0.88	7   3 0.88	7   3 0.88
FN   TN Precision	4   20 0.44	0   22 0.73	0   23 0.8	0   24 0.89	2   20 0.55	0   22 0.73	1   22 0.7	1   22 0.7
Recall	4   20 0.5	0   22 1	0   23 1	0   24 1	2   20 0.75	0   22 1	1   22 0.88	1   22 0.88

GBM  
 id: 1052 name: RO-3306  
 target: CDK1 class: cell cycle

33 cell lines  
 8 sensitive

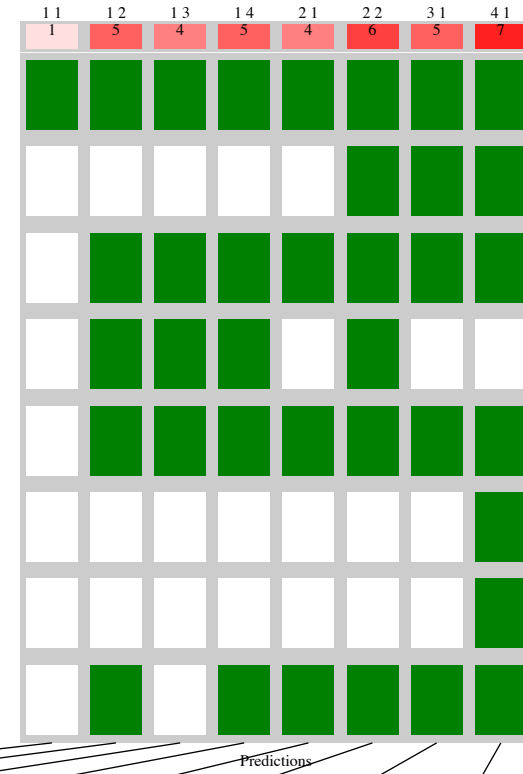
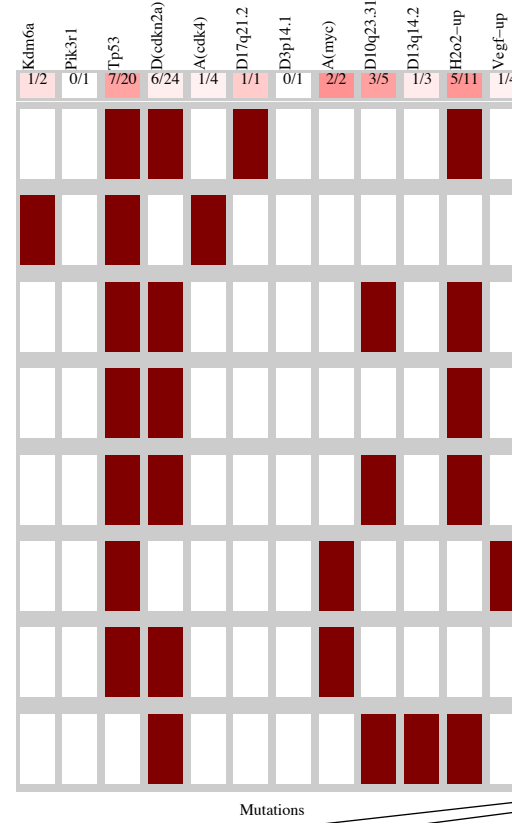
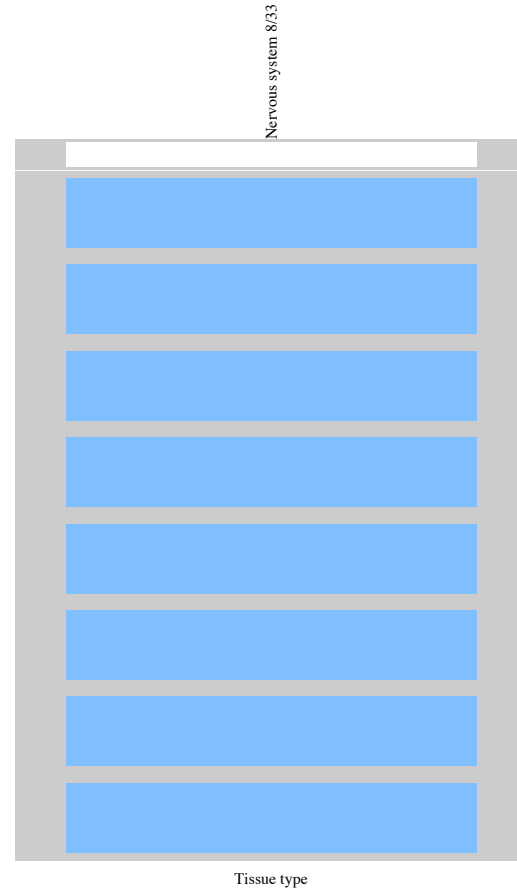
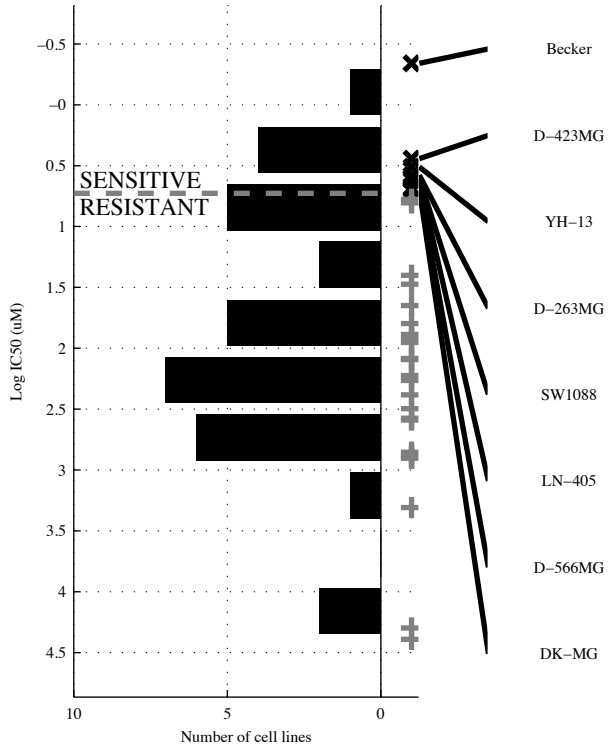
Nervous system 8/33



Model name	11	12	13	14	21	22	31	41
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>IL-1-U</b>	<b>¬a(EGFR) &amp; a(AKAP)</b>	<b>¬a(EGFR) &amp; a(AKAP)</b>	<b>¬NF1 &amp; ¬RB1 &amp; ¬a(CDK) &amp; TGFB-U</b>	<b>a(FIP1   IL-1-U)</b>	<b>[ TP53 &amp; d6q26 ]   [ ¬BRAF &amp; IL-1-U ]</b>	<b>a(FIP1   d8p21.   IL-1-U)</b>	<b>a(FIP1   d17p13   d8p21.   IL-1-U)</b>
TP   FP	2   0	2   0	2   0	6   5	3   0	4   0	4   0	5   0
FN   TN	6   25	6   25	6   25	2   20	5   25	4   25	4   25	3   25
Specificity	1	1	1	0.8	1	1	1	1
Precision	1	1	1	0.55	1	1	1	1
Recall	0.25	0.25	0.25	0.75	0.38	0.5	0.5	0.63

GBM  
 id: 1066 name: AZD6482  
 target: PI3Kbeta class: PI3K signaling

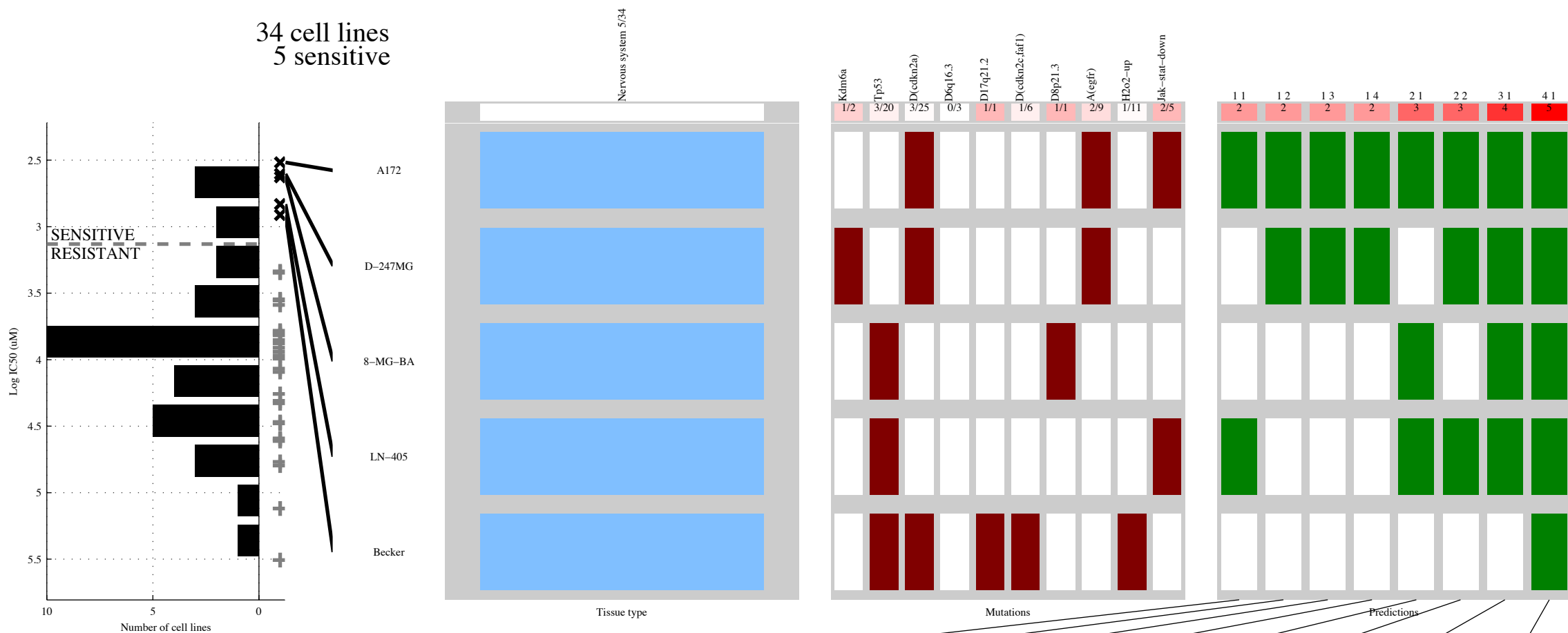
33 cell lines  
 8 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d17q21</b>	<b>d(CDKN2A) &amp; H2O2-U</b>	<b>-d13q14 &amp; H2O2-U &amp; -VEGF-U</b>	<b>-PIK3R &amp; -d3p14 &amp; H2O2-U &amp; VEGF-U</b>	<b>d17q21   d10q23</b>	<b>[d(CDKN2A) &amp; H2O2-U]   [TP53 &amp; a(CDK4)]</b>	<b>KDM6A   d17q21   d10q23</b>	<b>KDM6A   d17q21   a(MYC)   d10q23</b>
TP   FP	1   0	5   4	4   2	5   2	4   2	6   4	5   3	7   3
Specificity	1	0.84	0.92	0.92	0.92	0.84	0.88	0.88
FN   TN	7   25	3   21	4   23	3   23	4   23	2   21	3   22	1   22
Precision	1	0.56	0.67	0.71	0.67	0.6	0.63	0.7
Recall	0.13	0.63	0.5	0.63	0.5	0.75	0.63	0.88

GBM  
 id: 1067 name: CCT007093  
 target: PPM1D class: other

34 cell lines  
 5 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>JAK-ST</b>		<b>-TP53 &amp; a(EGFR</b>		<b>-TP53 &amp; a(EGFR &amp;</b>		<b>-TP53 &amp; d(CDK &amp;</b>		<b>d8p21.   JAK-ST</b>		<b>[ -d6q16. &amp; JAK-ST ]</b>		<b>KDM6A   d8p21.  </b>		<b>KDM6A   d17q21  </b>	
			<b>-H2O2-U</b>		<b>a(EGFR &amp; H2O2-U</b>						<b>[ KDM6A &amp; d(CDKN ]</b>		<b>JAK-ST</b>		<b>d8p21.   JAK-ST</b>	
TP   FP Specificity	2   3	0.9	2   3	0.9	2   1	0.97	2   0	1	3   3	0.9	3   0	1	4   4	0.86	5   4	0.86
FN   TN Precision	3   26	0.4	3   26	0.4	3   28	0.67	3   29	1	2   26	0.5	2   29	1	1   25	0.5	0   25	0.56
Recall	0.4		0.4		0.4		0.4		0.6		0.6		0.8		1	

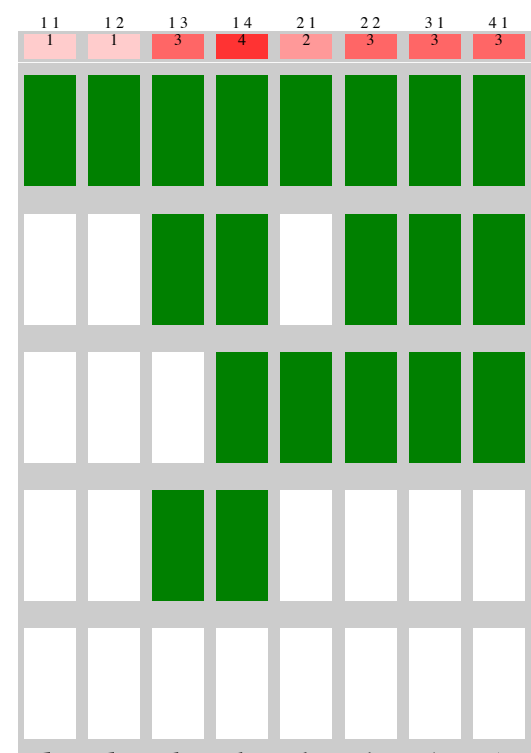
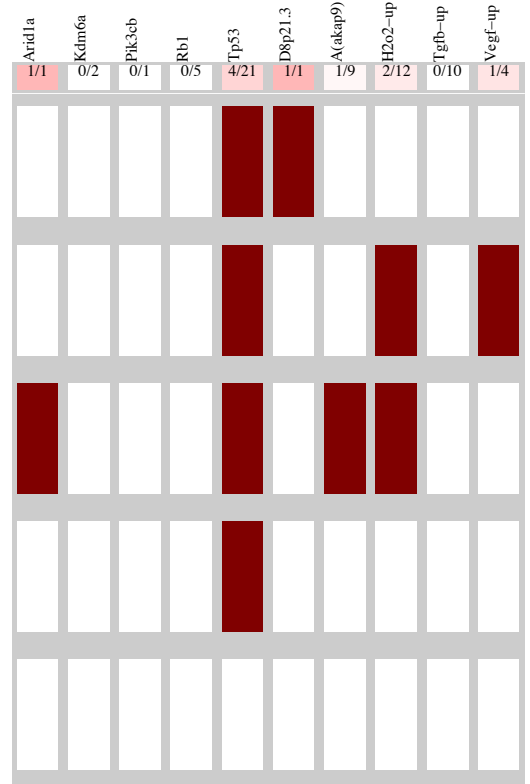
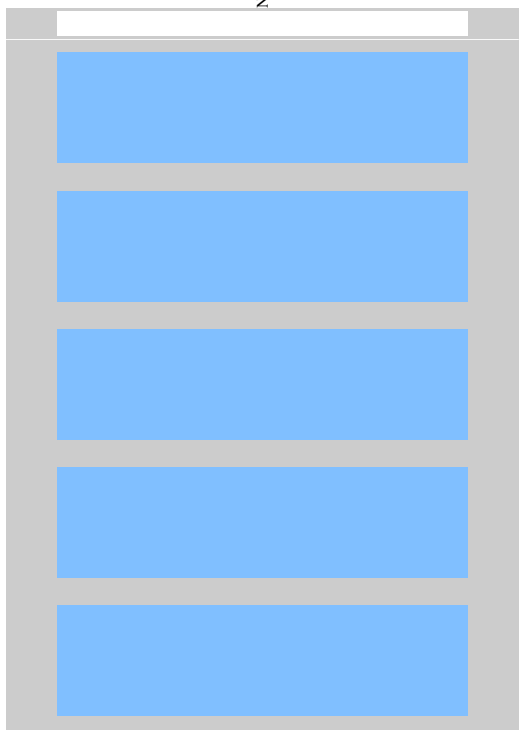
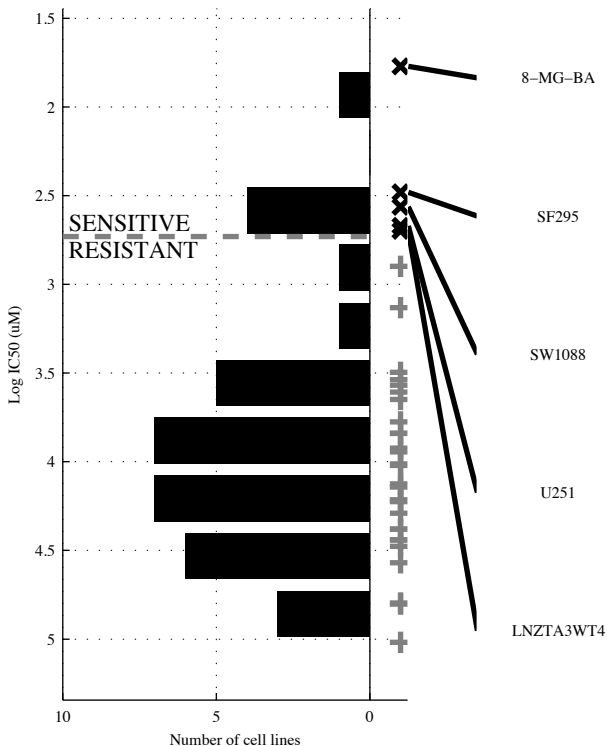




GBM  
 id: 1199 name: Tamoxifen  
 target: ER class: other

35 cell lines  
 5 sensitive

Nervous system 5/35

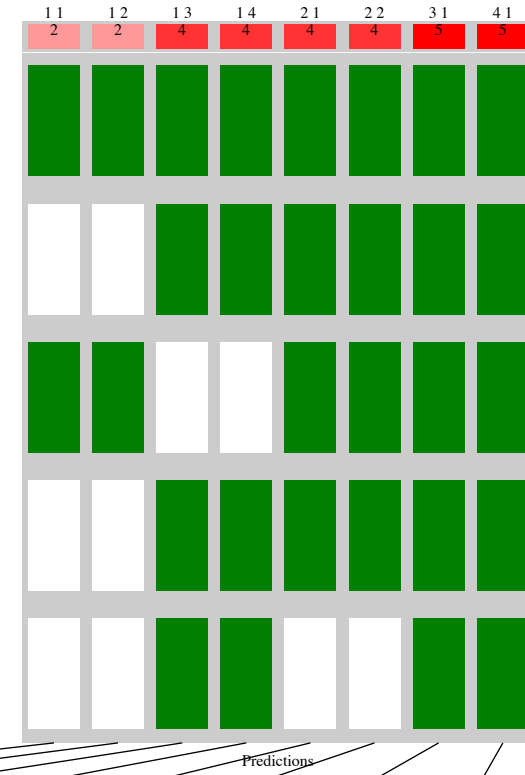
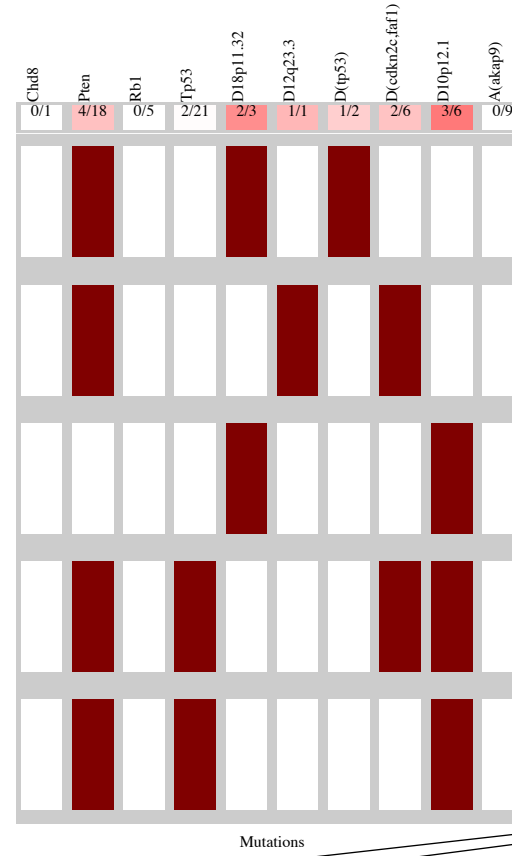
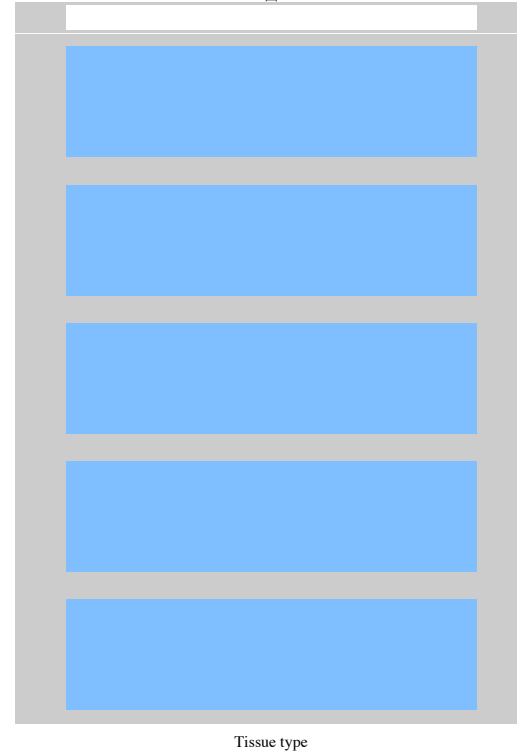
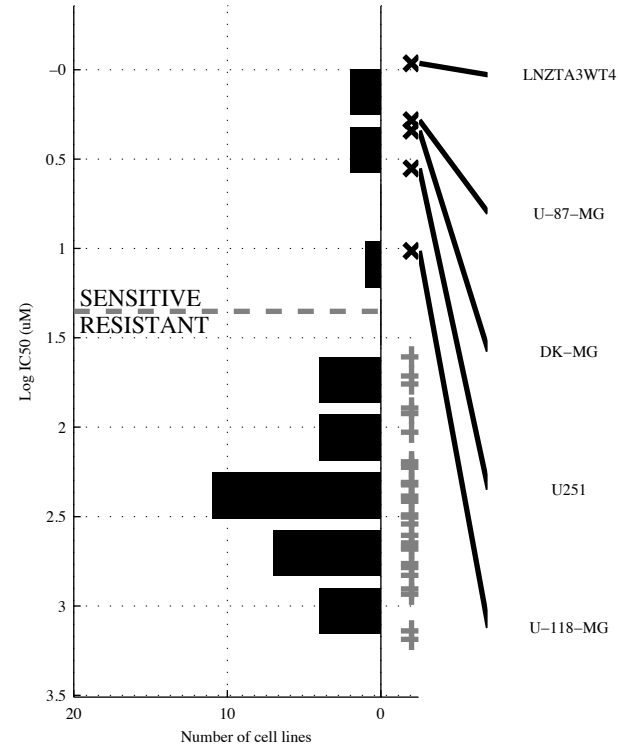


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d8p21.</b>	<b>d8p21. &amp;</b>	<b>TP53 &amp;a(AKAR</b>	<b>-KDM6&amp; -RB1 &amp;</b>	<b>ARID1A  d8p21.</b>	<b>[PIK3CB&amp; d8p21. ]</b>	<b>ARID1A  d8p21.  </b>	<b>ARID1A  d8p21.  </b>
			<b>-TGFB-U</b>	<b>TP53 &amp;TGFB-U</b>		<b>[H2O2-U&amp;TGFB-U]</b>	<b>VEGF-U</b>	<b>VEGF-U</b>
TP   FP Specificity	1   0 1	1   0 1	3   6 0.8	4   6 0.8	2   0 1	3   2 0.93	3   3 0.9	3   3 0.9
FN   TN Precision	4   30 1	4   30 1	2   24 0.33	1   24 0.4	3   30 1	2   28 0.6	2   27 0.5	2   27 0.5
Recall	0.2	0.2	0.6	0.8	0.4	0.6	0.6	0.6

GBM  
 id: 1218 name: JQ1  
 target: BRD2, BRD3, BRD4 class: chromatin other

35 cell lines  
 5 sensitive

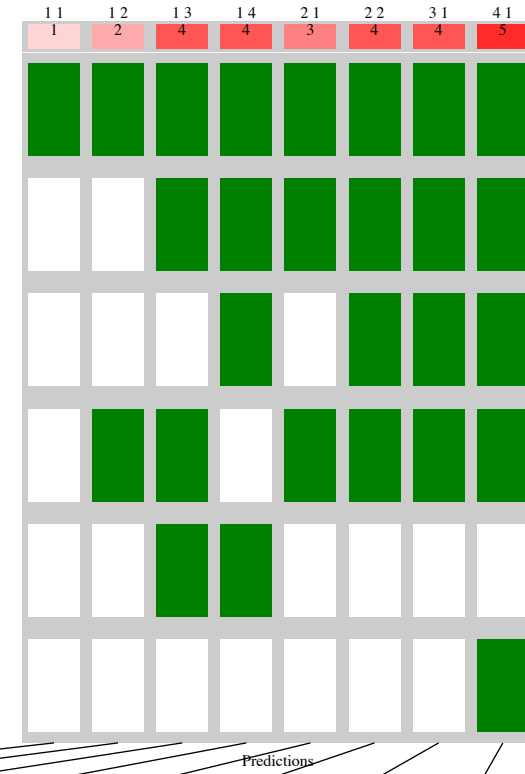
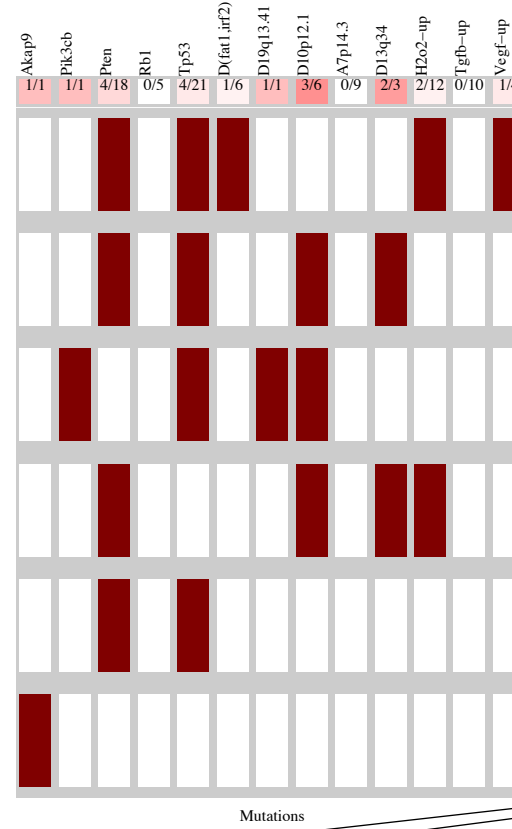
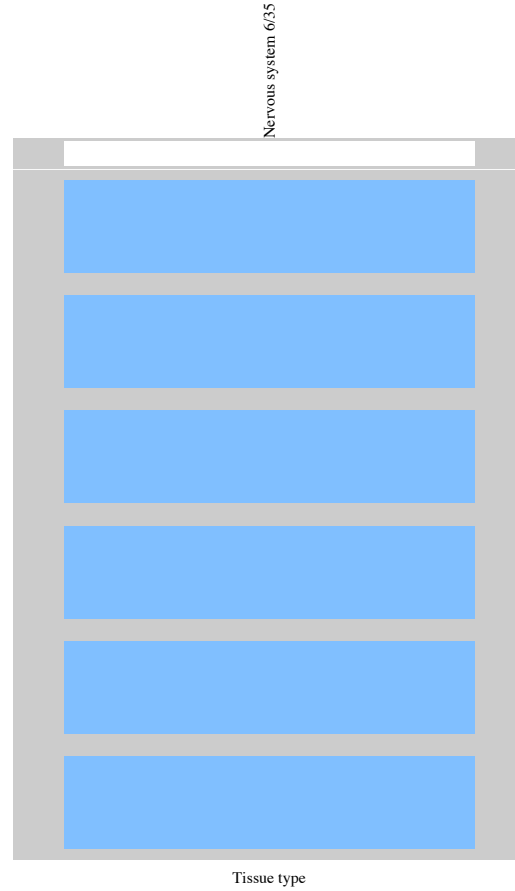
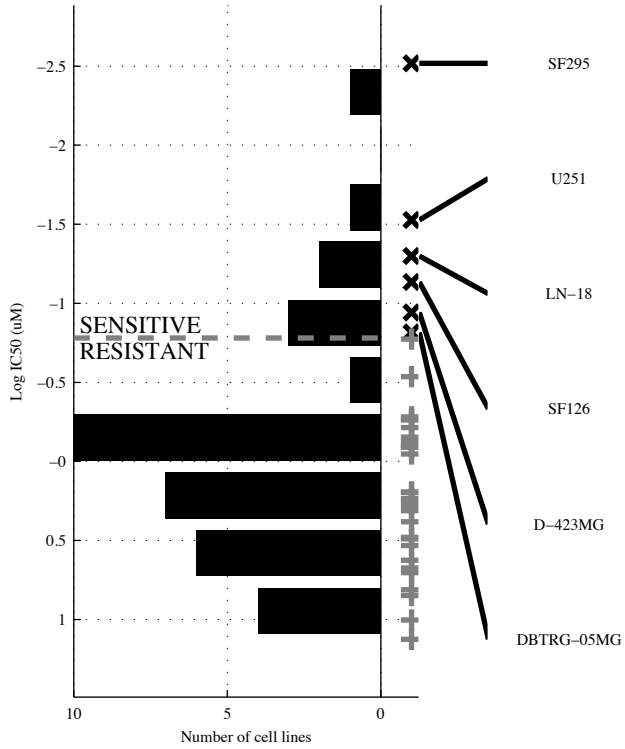
Nervous system 5/35



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
M																
Logic formula	<b>d18p11</b>		<b>¬TP53 &amp; d18p11</b>		<b>PTEN &amp; ¬RB1 &amp; ¬a(AKAP)</b>		<b>¬CHD8 &amp; PTEN &amp; ¬RB1 &amp; a(AKAP)</b>		<b>d18p11   d(CDKN)</b>		<b>[ ¬TP53 &amp; d18p11 ]   [ PTEN &amp; d(CDKN) ]</b>		<b>d12q23   d(TP53   d10p12)</b>		<b>d12q23   d(TP53   d10p12  </b>	
TP   FP	2   1	2   1	4   5	4   4	4   5	4   5	4   5	4   5	4   5	4   5	4   5	4   5	5   3	5   3	5   3	5   3
Specificity	0.97	0.97	0.83	0.87	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.9	0.9	0.9	0.9
FN   TN	3   29	3   30	1   25	1   26	1   25	1   25	1   25	1   25	1   25	1   25	1   25	1   25	0   27	0   27	0   27	0   27
Precision	0.67	0.67	0.44	0.5	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.63	0.63	0.63	0.63
Recall	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1	1	1	1

GBM  
 id: 1230 name: IOX2  
 target: EGLN1 class: other

35 cell lines  
 6 sensitive

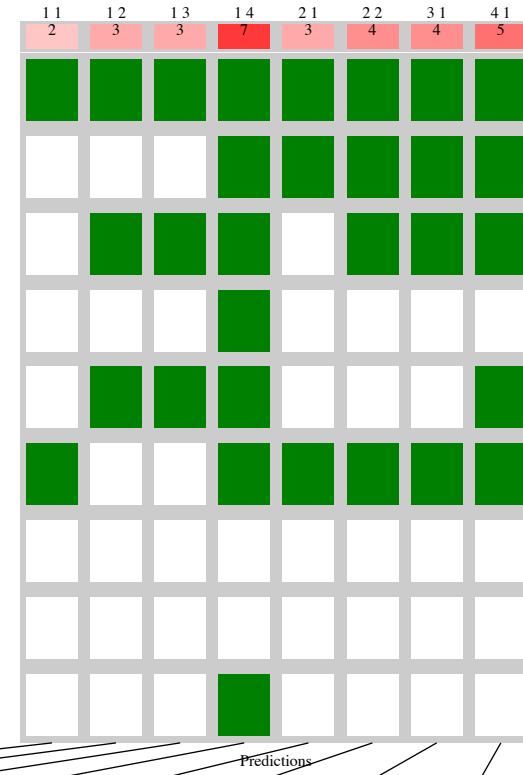
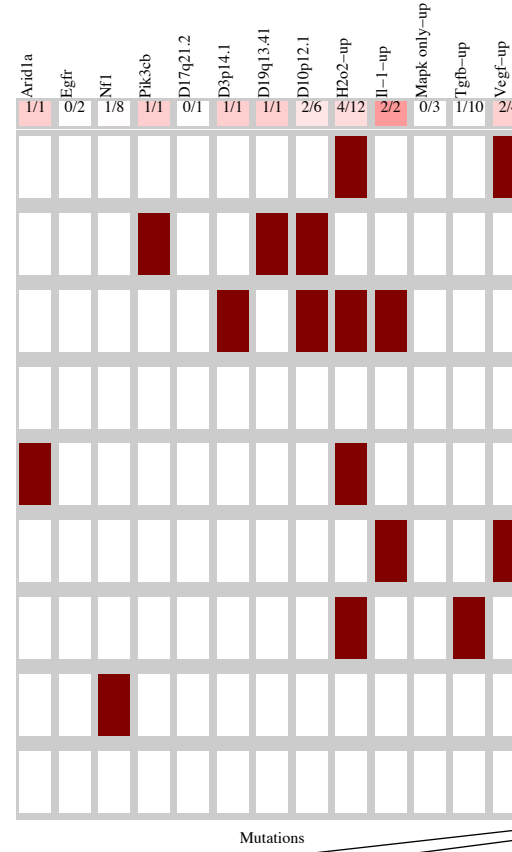
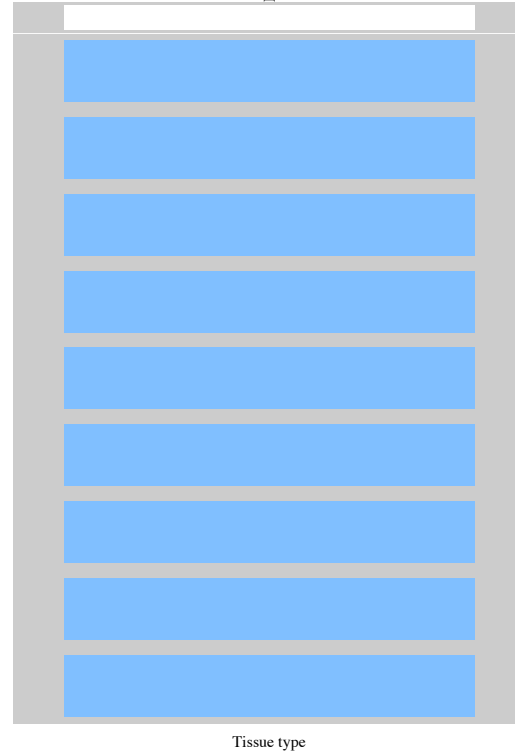
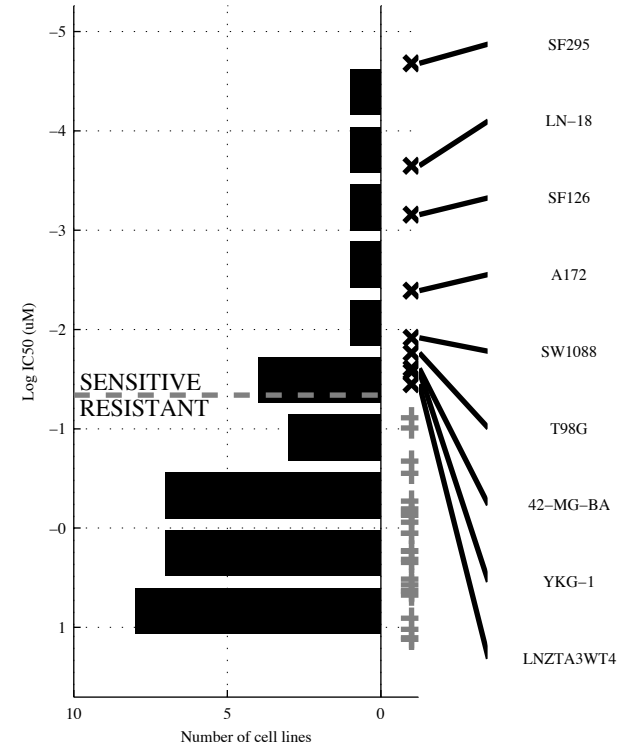


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>VEGF-U</b>	<b>H2O2-U &amp; TGFB-U</b>	<b>PTEN &amp; -a7p14.&amp; -TGFB-U</b>	<b>-RB1 &amp; TP53 &amp; -a7p14.&amp; TGFB-U</b>	<b>d13q34   VEGF-U</b>	<b>[ d(FAT1 &amp; VEGF-U)   d10p12 &amp; TGFB-U ]</b>	<b>d19q13   d13q34   VEGF-U</b>	<b>AKAP9   PIK3CB   d13q34   VEGF-U</b>
TP   FP	1   3	2   2	4   4	4   5	3   4	4   0	4   4	5   4
FN   TN	5   26	4   27	2   25	2   24	3   25	2   29	2   25	1   25
Specificity	0.9	0.93	0.86	0.83	0.86	1	0.86	0.86
Precision	0.25	0.5	0.5	0.44	0.43	1	0.5	0.56
Recall	0.17	0.33	0.67	0.67	0.5	0.67	0.67	0.83

GBM  
 id: 1261 name: rTRAIL  
 target: TR10A (DR4), TR10B (DR5) class: apoptosis regulation

34 cell lines  
 9 sensitive

Nervous system 9/34

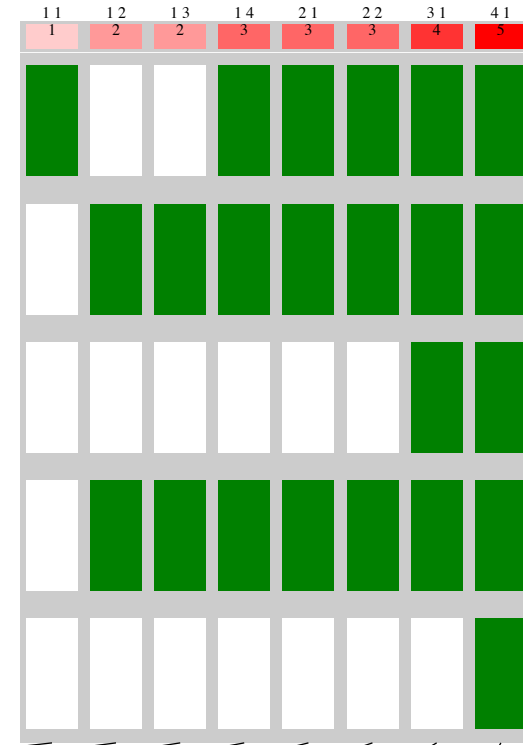
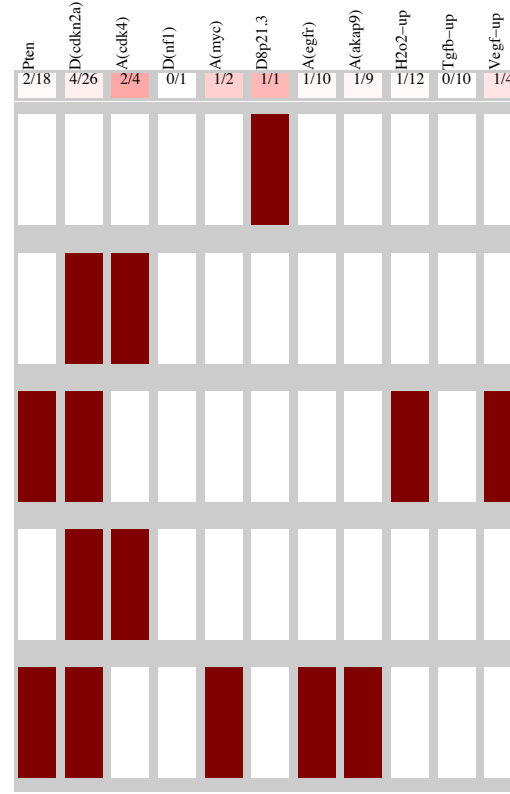
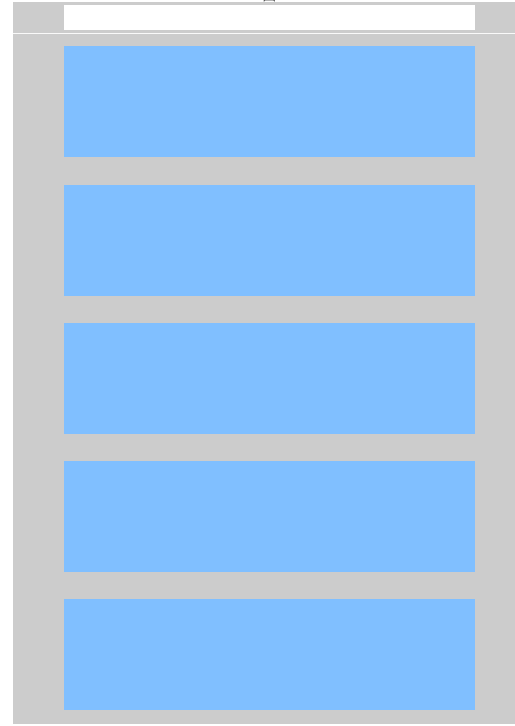
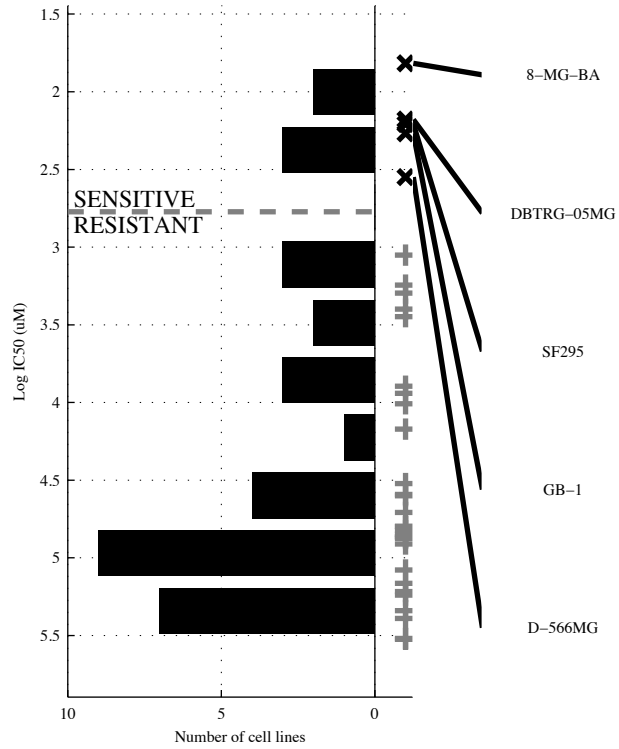


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	VEGF-U	H2O2-U & TGFB-U	-d17q21 & H2O2-U & -TGFB-U	-EGFR & -NF1 & -MAPK & TGFB-U	PIK3CB   VEGF-U	[ d10p12 & TGFB-U ]   [ TGFB-U & VEGF-U ]	d19q13   IL-1-U   VEGF-U	ARID1A   PIK3CB   d3p14.   VEGF-U
TP   FP	2   2	3   1	3   0	7   5	3   2	4   1	4   2	5   2
Specificity	0.92	0.96	1	0.8	0.92	0.96	0.92	0.92
FN   TN	7   23	6   24	6   25	2   20	6   23	5   24	5   23	4   23
Precision	0.5	0.75	1	0.58	0.6	0.8	0.67	0.71
Recall	0.22	0.33	0.33	0.78	0.33	0.44	0.44	0.56

GBM  
 id: 1371 name: PLX4720 (rescreen)  
 target: BRAF class: ERK MAPK signaling

34 cell lines  
 5 sensitive

Nervous system 5/34

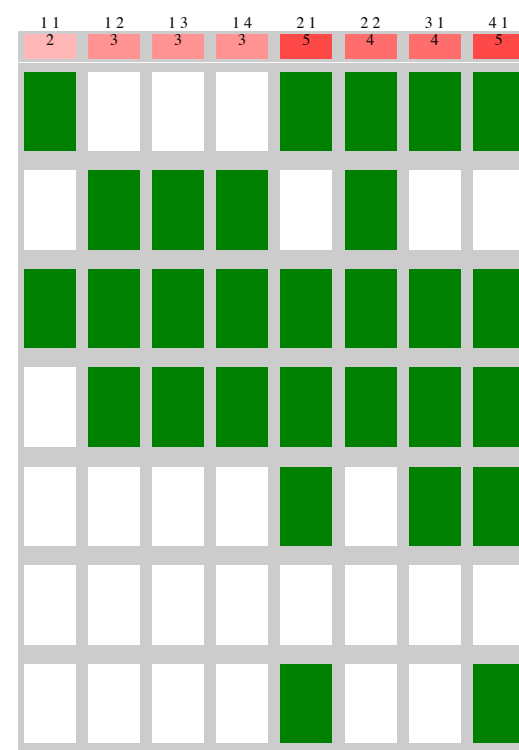
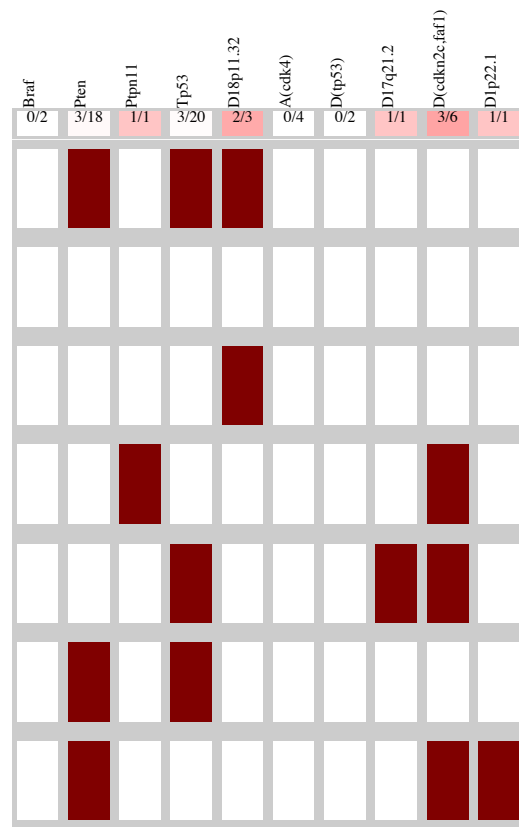
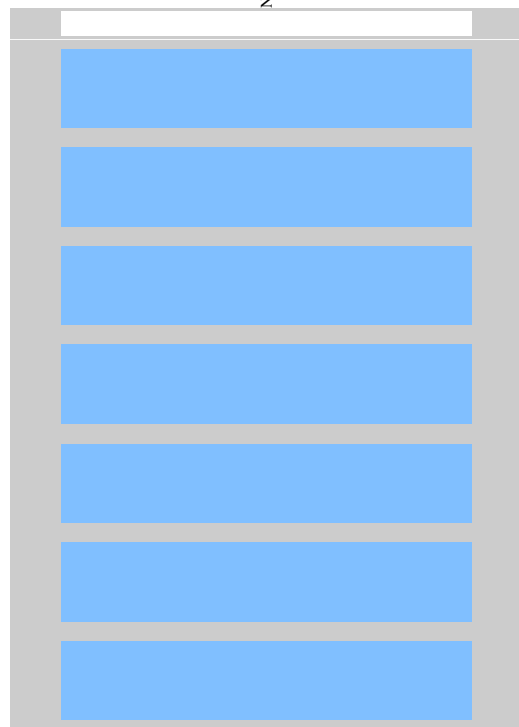
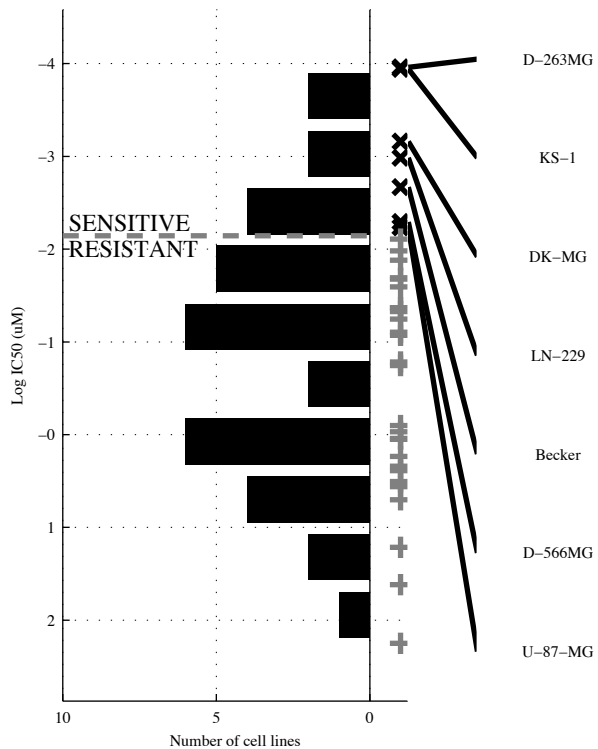


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d8p21.</b>	<b>¬PTEN&amp;a(CDK4</b>	<b>¬PTEN&amp;a(CDK4&amp;</b>	<b>¬PTEN&amp;¬d(NF1&amp;</b>	<b>a(CDK4   d8p21.</b>	<b>[ d8p21. &amp;a(AKAP</b>   <b>[d(CDKN&amp;a(CDK4 ]</b>	<b>a(CDK4   d8p21.  </b>  <b>VEGF-U</b>	<b>a(CDK4   a(MYC)  </b>  <b>d8p21.  VEGF-U</b>
TP   FP	1   0	2   0	2   0	3   5	3   2	3   0	4   5	5   5
Specificity	1	1	1	0.83	0.93	1	0.83	0.83
FN   TN	4   29	3   29	3   29	2   24	2   27	2   29	1   24	0   24
Precision	1	1	1	0.38	0.6	1	0.44	0.5
Recall	0.2	0.4	0.4	0.6	0.6	0.6	0.8	1

GBM  
 id: 1372 name: Trametinib  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

34 cell lines  
 7 sensitive

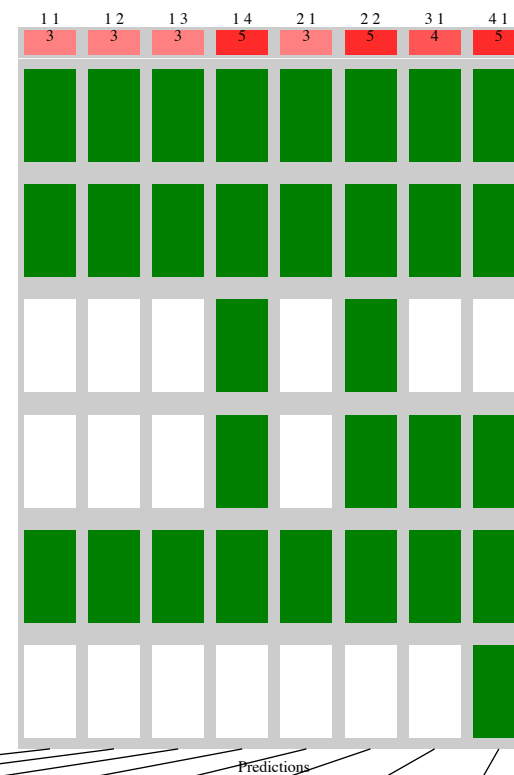
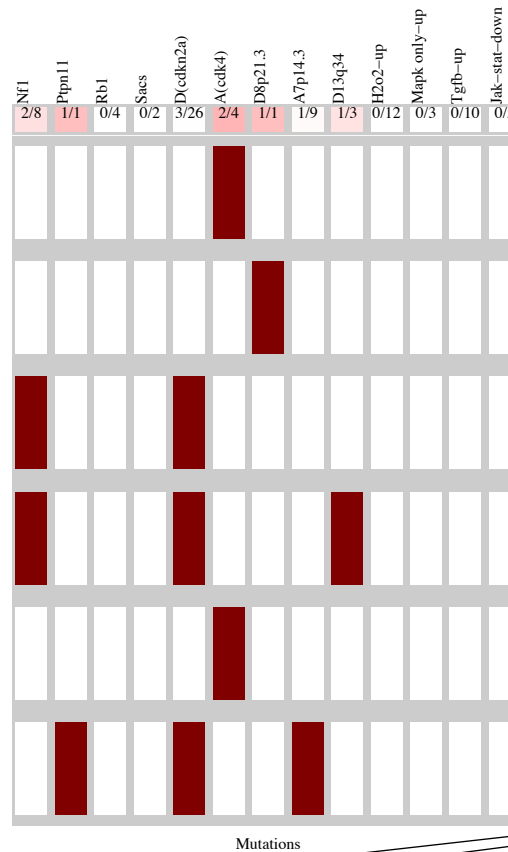
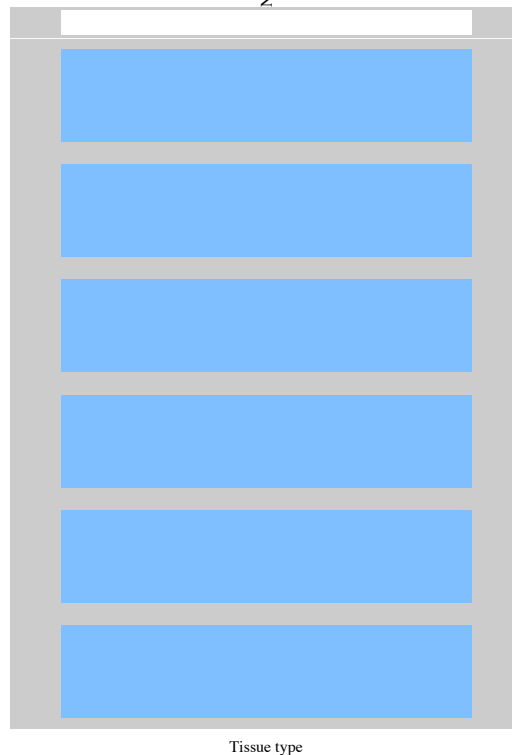
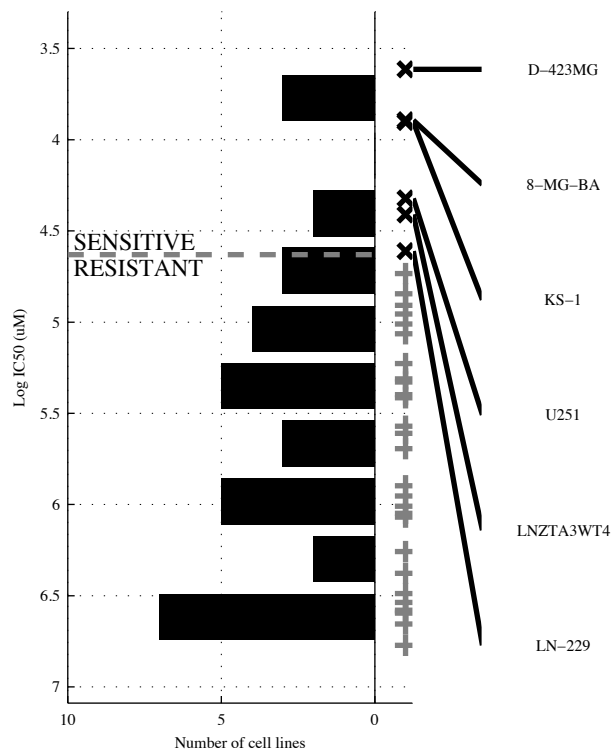
Nervous system 7/34



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d18p11</b>	<b>-PTEN &amp; -TP53</b>	<b>-BRAF &amp; -PTEN &amp; -TP53</b>	<b>-BRAF &amp; -PTEN &amp; -TP53 &amp; a(CDK4)</b>	<b>d18p11   d(CDKN)</b>	<b>[ -PTEN &amp; -TP53 ]   [ d18p11 &amp; -d(TP53) ]</b>	<b>PTPN11   d18p11   d17q21</b>	<b>PTPN11   d18p11   d17q21   d1p22.</b>
TP   FP Specificity	2   1 0.96	3   4 0.85	3   2 0.93	3   1 0.96	5   4 0.85	4   4 0.85	4   1 0.96	5   1 0.96
FN   TN Precision	5   26 0.67	4   23 0.43	4   25 0.6	4   26 0.75	2   23 0.56	3   23 0.5	3   26 0.8	2   26 0.83
Recall	0.29	0.43	0.43	0.43	0.71	0.57	0.57	0.71

GBM  
 id: 1375 name: Temozolomide  
 target: DNA alkylating agent class: DNA replication

34 cell lines  
 6 sensitive

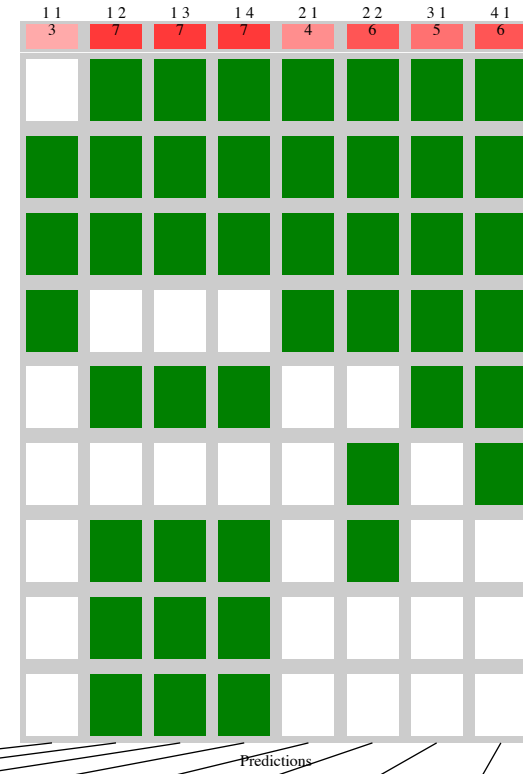
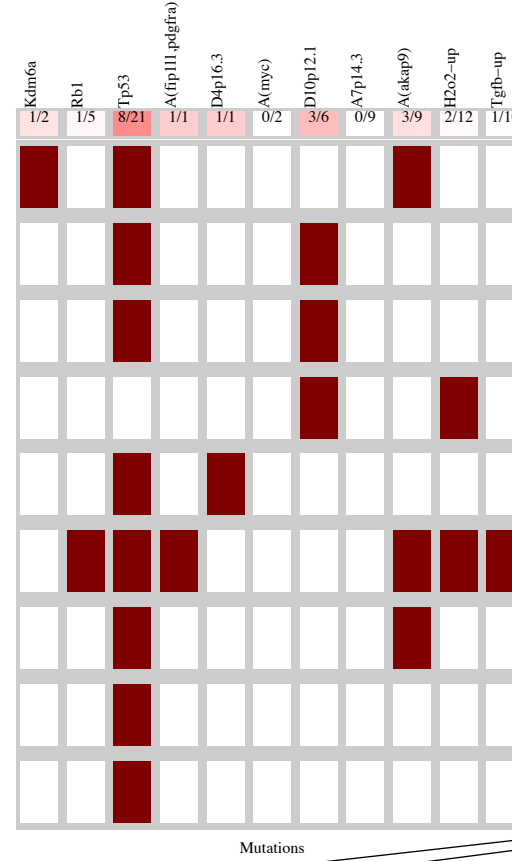
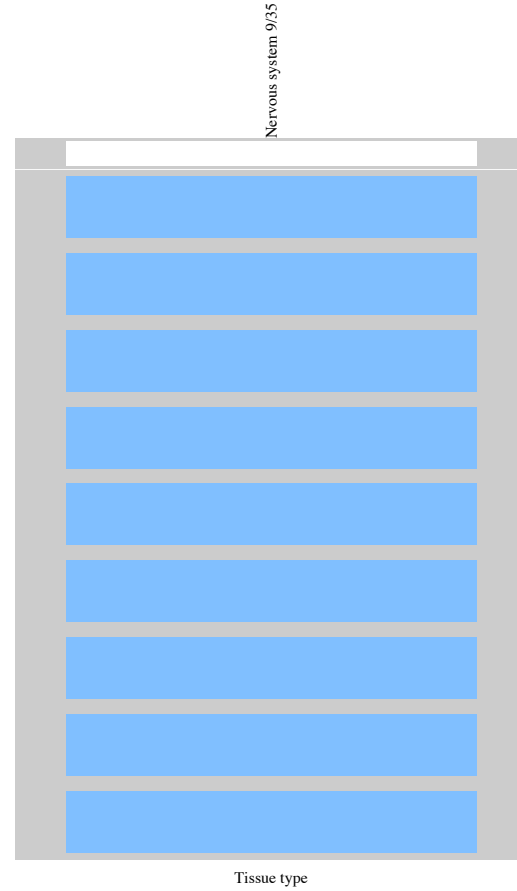
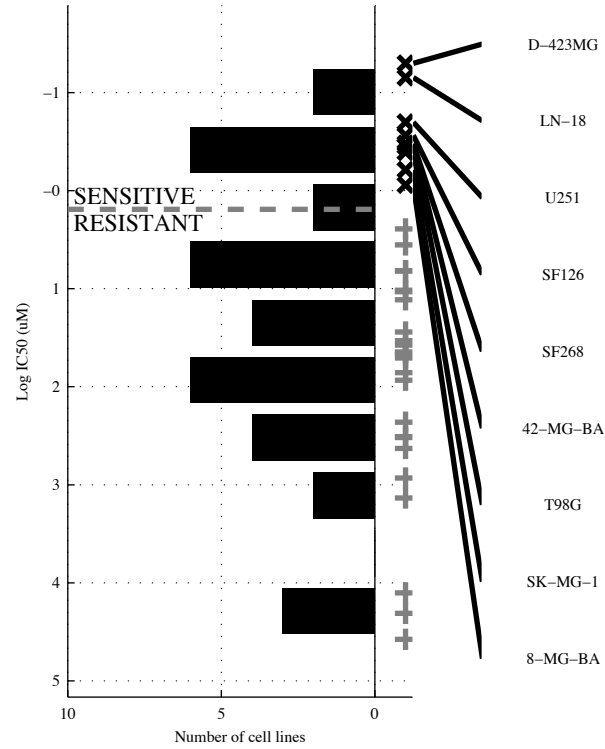


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	$\neg d(CDKN)$	$\neg d(CDKN) \& TGFB-U$	$\neg RB1 \& d(CDKN) \& \neg H2O2-U$	$\neg a7p14. \& H2O2-U \& \neg MAPK \& JAK-ST$	$a(CDK4) \mid d8p21.$	$\neg d(CDKN) \& TGFB-U \mid [ NF1 \& \neg SACS ]$	$a(CDK4) \mid d8p21. \mid d13q34$	$PTPN11 \mid a(CDK4) \mid d8p21. \mid d13q34$
TP   FP Specificity	3   5 0.82	3   2 0.93	3   0 1	5   5 0.82	3   2 0.93	5   5 0.82	4   4 0.86	5   4 0.86
FN   TN Precision	3   23 0.38	3   26 0.6	3   28 1	1   23 0.5	3   26 0.6	1   23 0.5	2   24 0.5	1   24 0.56
Recall	3   23 0.5	3   26 0.5	3   28 0.5	1   23 0.83	3   26 0.5	1   23 0.83	2   24 0.67	1   24 0.83



GBM  
 id: 1378 name: Bleomycin (50 uM)  
 target: DNA damage class: DNA replication

35 cell lines  
 9 sensitive

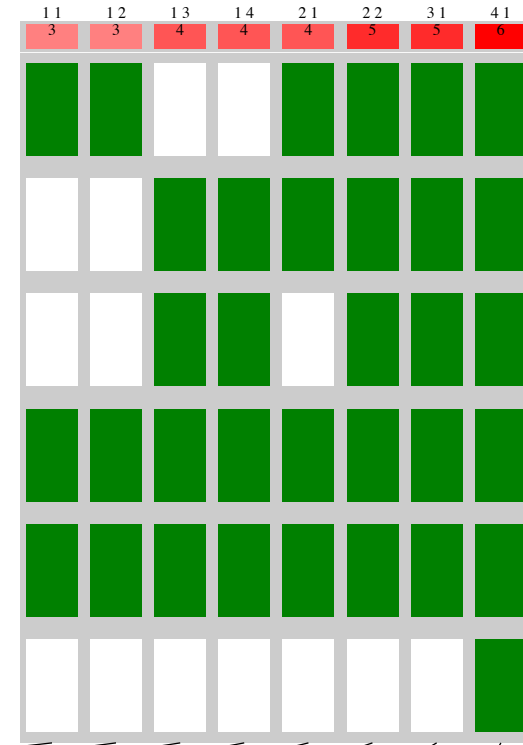
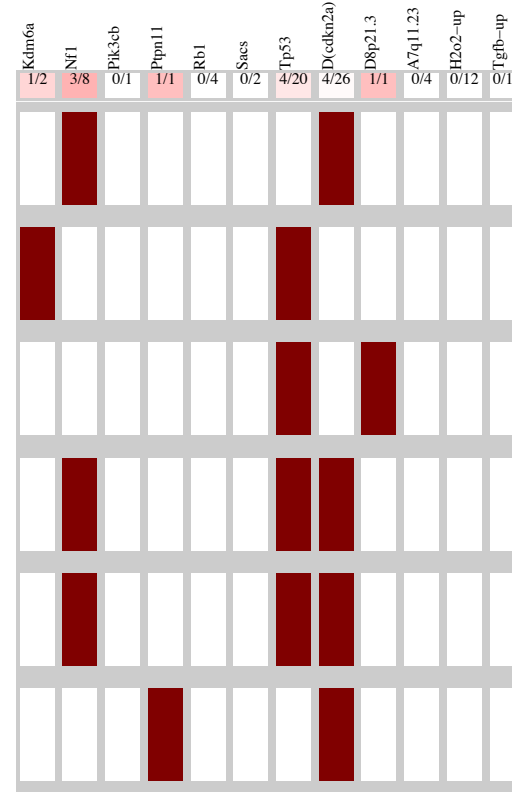
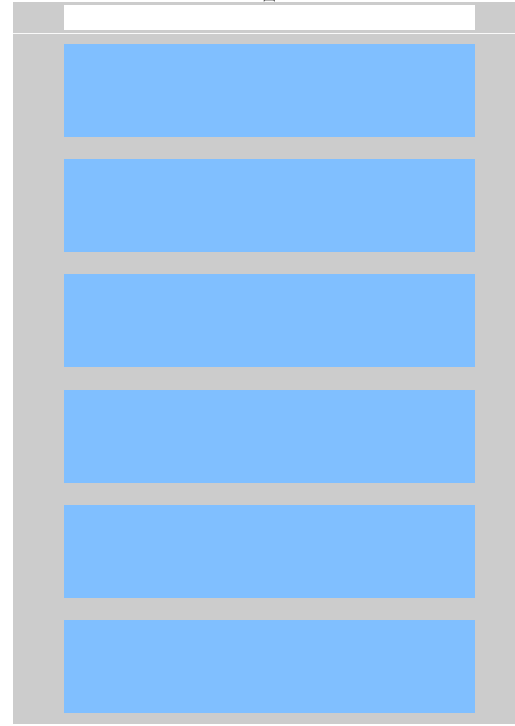
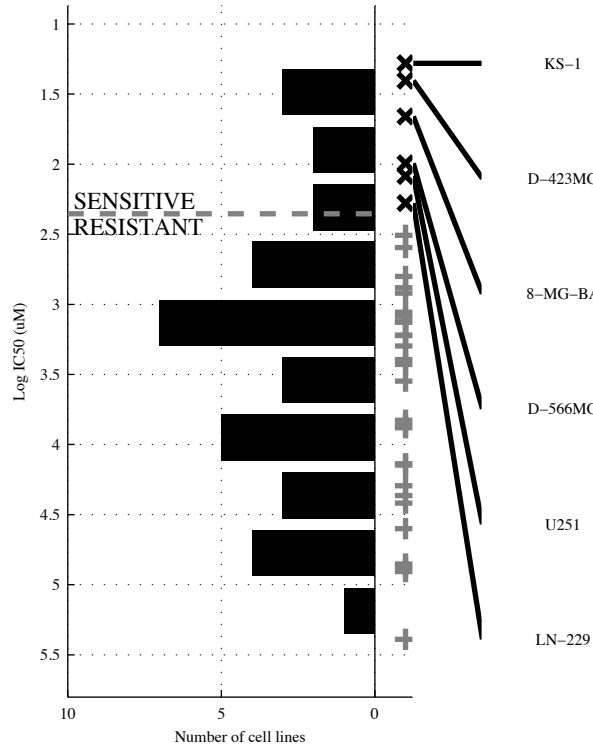


Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	1		1		1		1		2		2		3		4	
M	1		2		3		4		1		2		1		1	
Logic formula	<b>d10p12</b>		<b>TP53 &amp; H2O2-U</b>		<b>TP53 &amp; <math>\neg</math>a7p14 &amp; <math>\neg</math>H2O2-U</b>		<b><math>\neg</math>RB1 &amp; TP53 &amp; <math>\neg</math>a(MYC) &amp; H2O2-U</b>		<b>KDM6A   d10p12</b>		<b>[ d10p12 &amp; TGFB-U ]   [ <math>\neg</math>a7p14 &amp; a(AKAP) ]</b>		<b>KDM6A   d4p16.   d10p12</b>		<b>KDM6A   a(FIP1   d4p16.   d10p12</b>	
TP   FP	3   3	0.88	7   5	0.81	7   2	0.92	7   0	1	4   4	0.85	6   0	1	5   4	0.85	6   4	0.85
FN   TN	6   23	0.5	2   21	0.58	2   24	0.78	2   26	1	5   22	0.5	3   26	1	4   22	0.56	3   22	0.6
Specificity	0.88		0.81		0.92		1		0.85		1		0.85		0.85	
Precision	0.5		0.58		0.78		1		0.5		1		0.56		0.6	
Recall	0.33		0.78		0.78		0.78		0.44		0.67		0.56		0.67	

GBM  
 id: 1495 name: Olaparib  
 target: PARP1, PARP2 class: Genome integrity

34 cell lines  
 6 sensitive

Nervous system 6/34

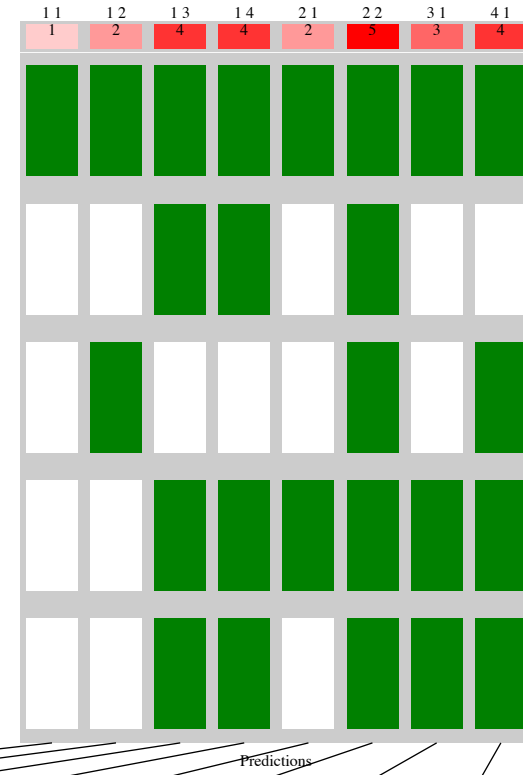
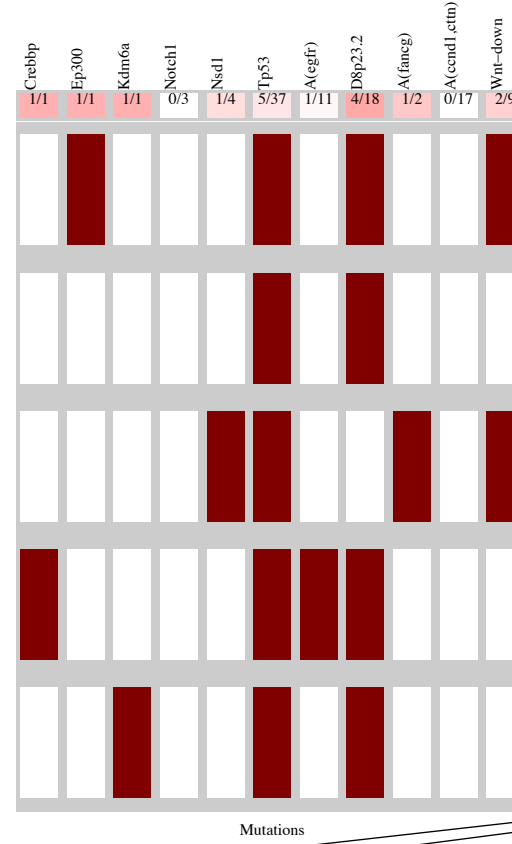
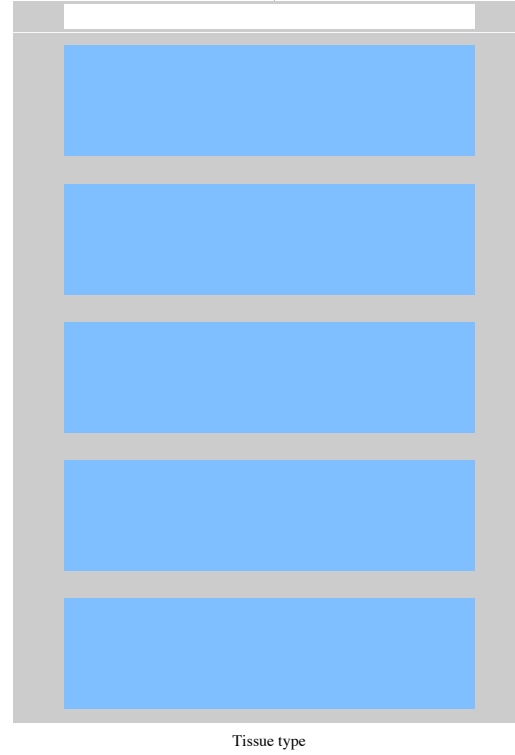
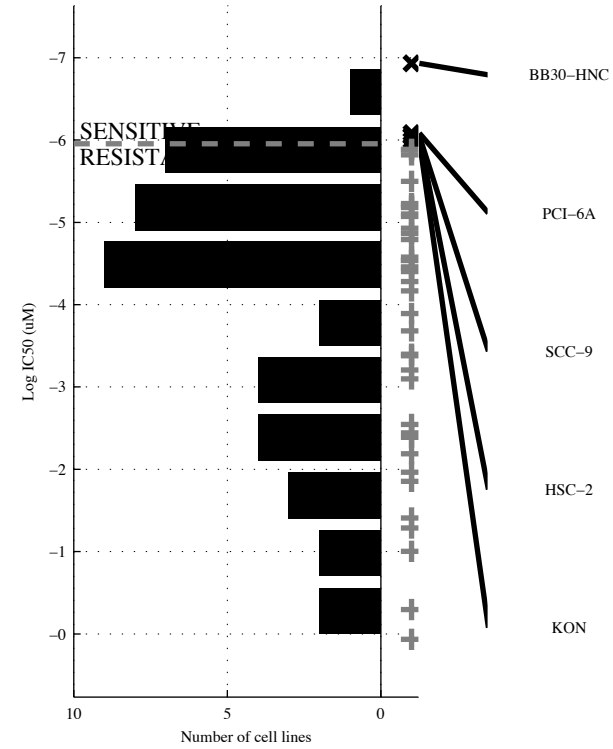


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>NF1</b>	<b>NF1 &amp; -a7q11.</b>	<b>-RB1 &amp; TP53 &amp; -H2O2-U</b>	<b>-PIK3CB &amp; -RB1 &amp; TP53 &amp; H2O2-U</b>	<b>KDM6A   NF1</b>	<b>[ NF1 &amp; -SACS ]   [-d(CDKN2A) &amp; TGFB-U]</b>	<b>KDM6A   NF1   d8p21.</b>	<b>KDM6A   NF1   PTPN11   d8p21.</b>
TP   FP Specificity	3   5 0.82	3   3 0.89	4   4 0.86	4   3 0.89	4   5 0.82	5   5 0.82	5   5 0.82	6   5 0.82
FN   TN Precision	3   23 0.38	3   25 0.5	2   24 0.5	2   25 0.57	2   23 0.44	1   23 0.5	1   23 0.5	0   23 0.55
Recall	3   23 0.5	3   25 0.5	2   24 0.67	2   25 0.67	2   23 0.67	1   23 0.83	1   23 0.83	0   23 1

HNSC  
 id: 140 name: Vinorelbine  
 target: Microtubules class: cytoskeleton

42 cell lines  
 5 sensitive

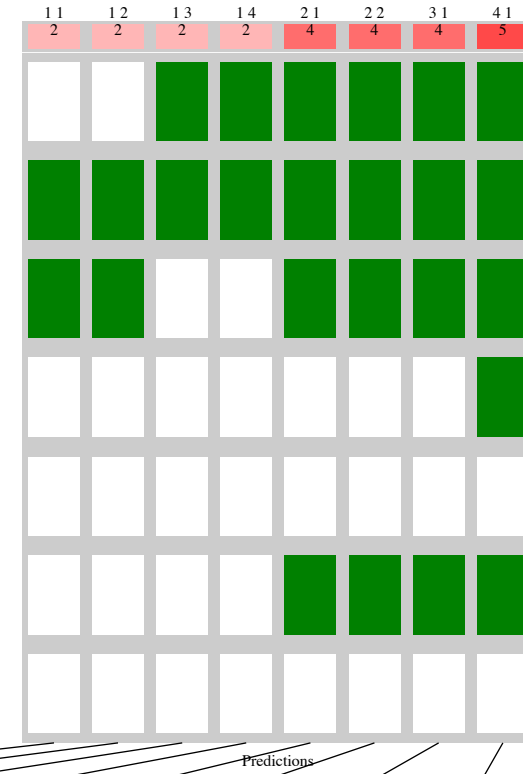
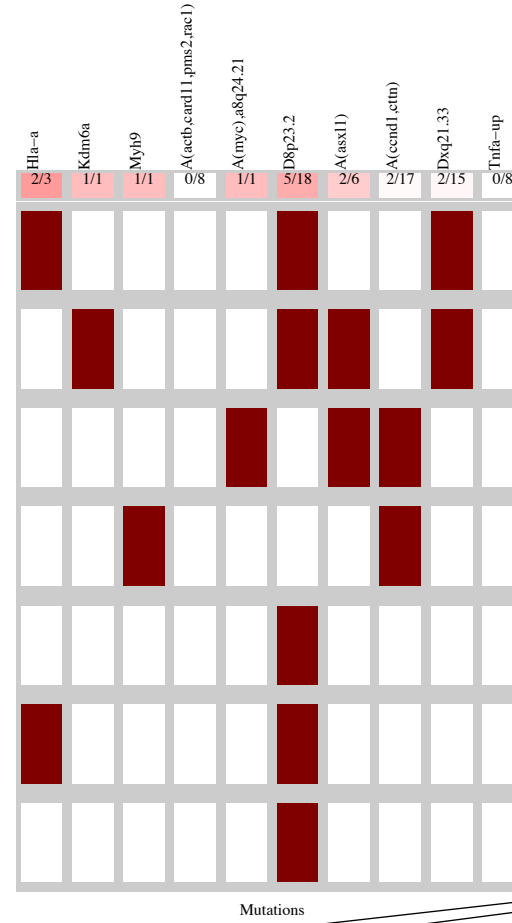
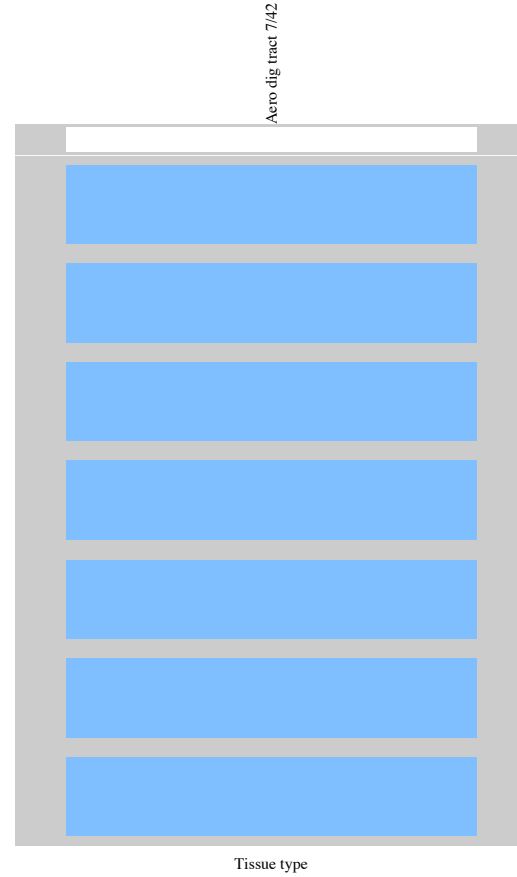
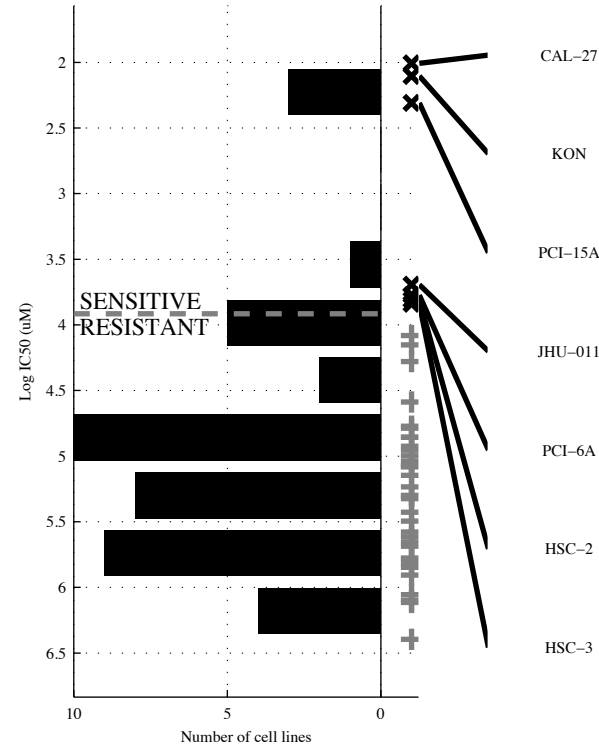
Aero dig. tract 5/42



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	EP300	$\neg a(\text{EGFR}) \& \text{Wnt-DO}$	TP53 & d8p23. & $\neg a(\text{CCND})$	$\neg \text{NSD1} \& \text{TP53} \&$ d8p23. & a(CCND)	CREBBP   EP300	$\neg \text{NOTCH1} \& a(\text{FANC})$   [ d8p23. & a(CCND)]	CREBBP   EP300   KDM6A	CREBBP   EP300   KDM6A   a(FANC)
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{4} \mid \frac{0}{37}$ 1 0.2	$\frac{2}{3} \mid \frac{4}{33}$ 0.89 0.33 0.4	$\frac{4}{1} \mid \frac{5}{32}$ 0.86 0.44 0.8	$\frac{4}{1} \mid \frac{4}{33}$ 0.89 0.5 0.8	$\frac{2}{3} \mid \frac{0}{37}$ 1 1 0.4	$\frac{5}{0} \mid \frac{7}{30}$ 0.81 0.42 1	$\frac{3}{2} \mid \frac{0}{37}$ 1 1 0.6	$\frac{4}{1} \mid \frac{1}{36}$ 0.97 0.8 0.8

HNSC  
 id: 147 name: NSC-87877  
 target: PTPN6 (SHP-1), PTPN11 (SHP-2) class: other

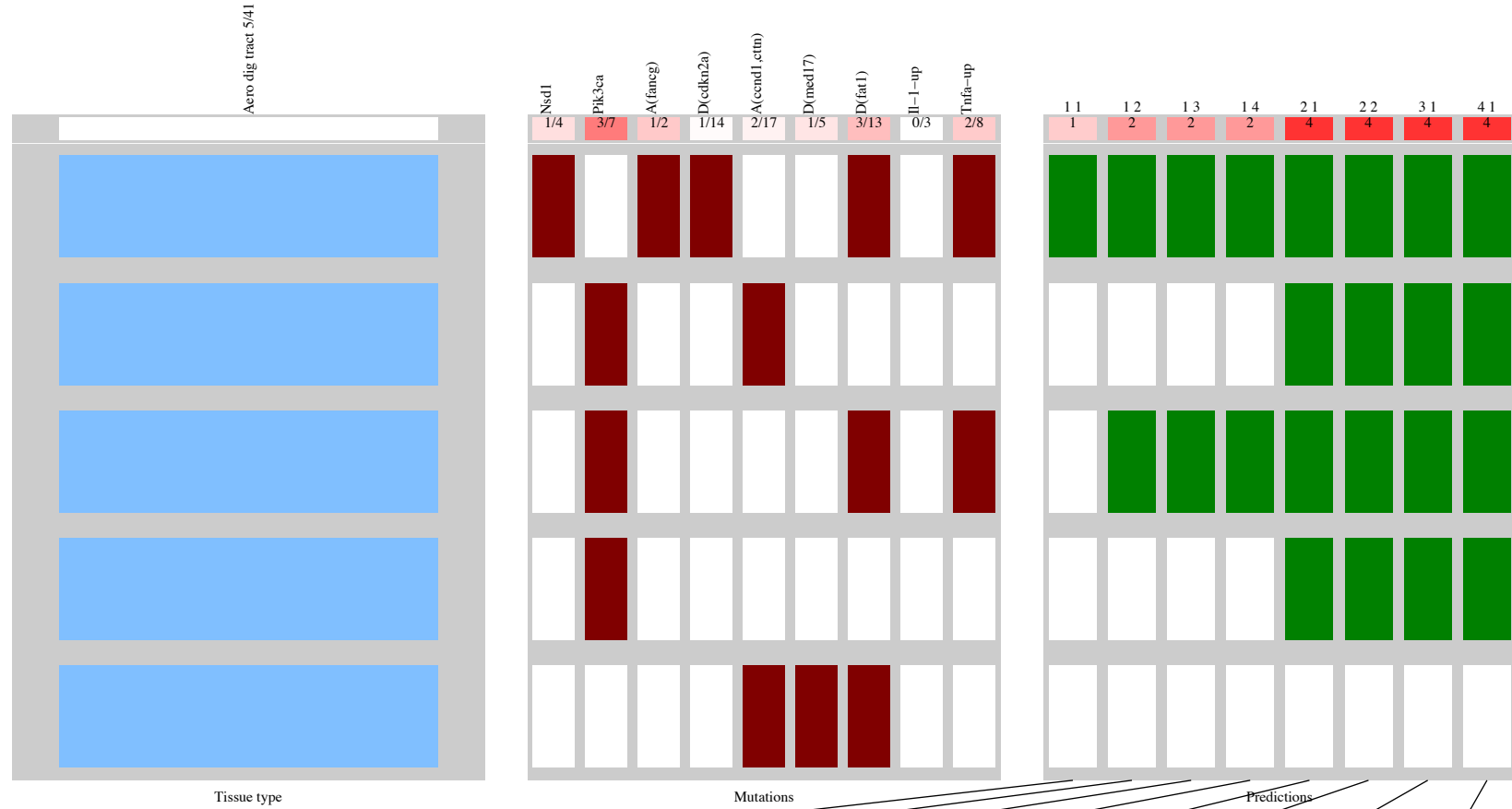
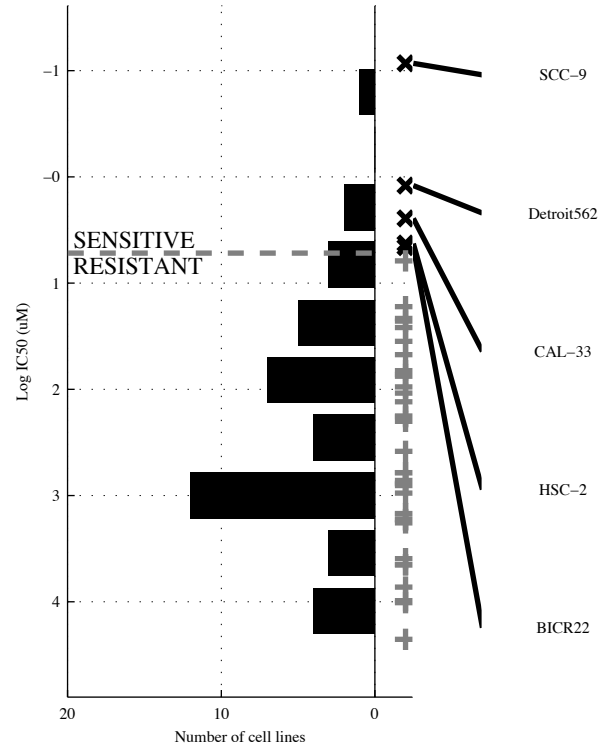
42 cell lines  
 7 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>a(ASXL)</b>		<b>¬a(ACTB) &amp; a(ASXL)</b>		<b>d8p23.2 &amp; a(CCND1) &amp; dXq21.</b>		<b>d8p23.2 &amp; a(CCND1) &amp; dXq21.2 &amp; TNFa-U</b>		<b>HLA-A   a(ASXL)</b>		<b>¬a(ACTB) &amp; a(ASXL)   [HLA-A &amp; d8p23.2]</b>		<b>HLA-A   KDM6A   a(MYC)</b>		<b>HLA-A   KDM6A   MYH9   a(MYC)</b>	
TP   FP	2   4	2   1	2   1	2   0	4   5	4   1	4   1	4   1	5   1	3   34	3   34	3   34	5   1	2   34	2   34	
Specificity	0.89	0.97	0.97	1	0.86	0.97	0.97	0.97	0.97	0.8	0.8	0.8	0.97	0.83	0.97	
Precision	0.33	0.67	0.67	1	0.44	0.8	0.8	0.8	0.83	0.57	0.57	0.57	0.83	0.71	0.83	
Recall	0.29	0.29	0.29	0.29	0.57	0.57	0.57	0.57	0.71	0.57	0.57	0.57	0.71	0.71	0.71	

HNSC  
 id: 156 name: AZD6482  
 target: PI3Kbeta class: PI3K signaling

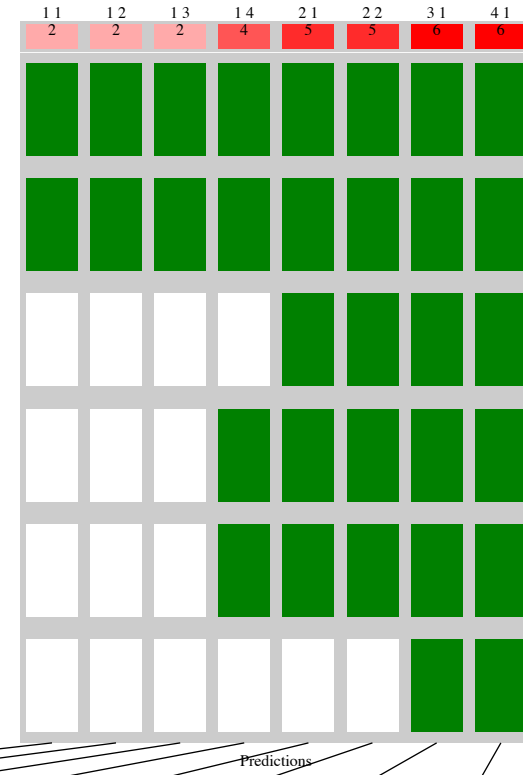
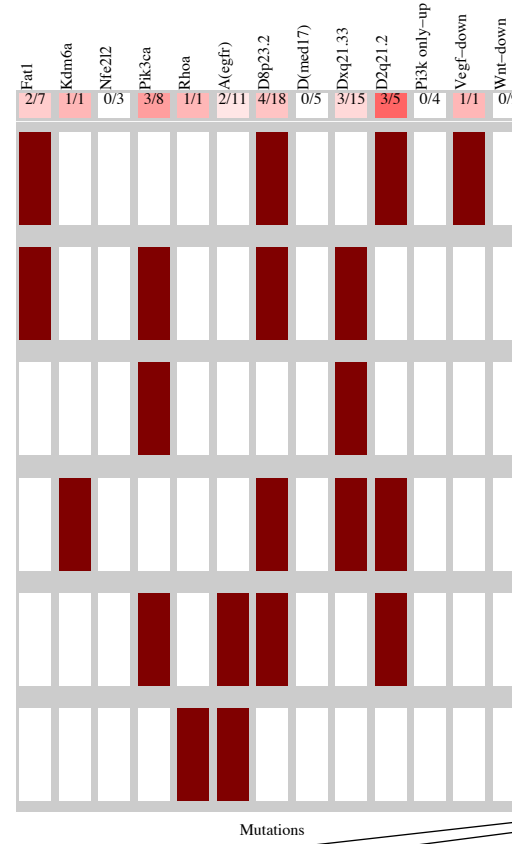
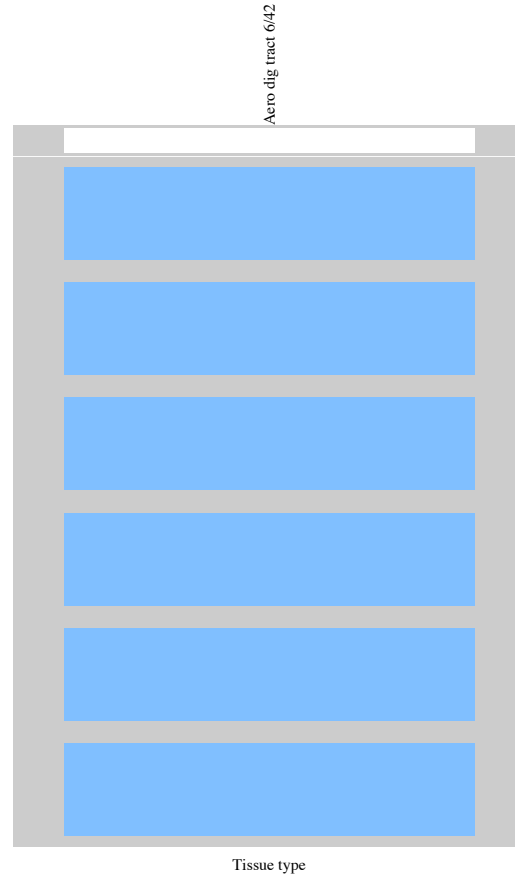
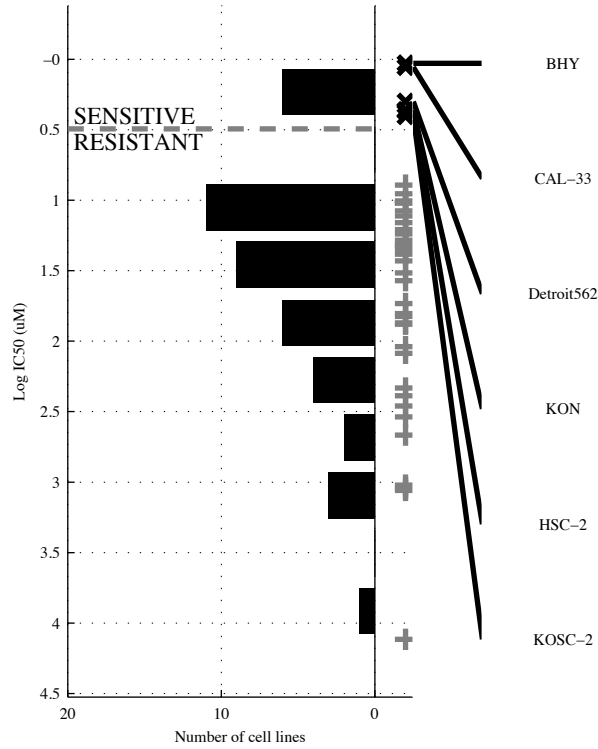
41 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	a(FANC)	d(FAT1&TNFa-U)	¬a(CCNI&d(FAT1&TNFa-U)	¬d(MED&d(FAT1&TNFa-U)	PIK3CA   a(FANC)	[ NSD1 & TNFa-U ]   [PIK3CA&d(CDKN]	PIK3CA   a(FANC	PIK3CA   a(FANC
TP   FP Specificity	1   1 0.97	2   3 0.92	2   1 0.97	2   0 1	4   5 0.86	4   2 0.94	4   5 0.86	4   5 0.86
FN   TN Precision	4   35 0.5	3   33 0.4	3   35 0.67	3   36 1	1   31 0.44	1   34 0.67	1   31 0.44	1   31 0.44
Recall	0.2	0.4	0.4	0.4	0.8	0.8	0.8	0.8

HNSC  
 id: 158 name: PF-562271  
 target: FAK class: cytoskeleton

42 cell lines  
 6 sensitive

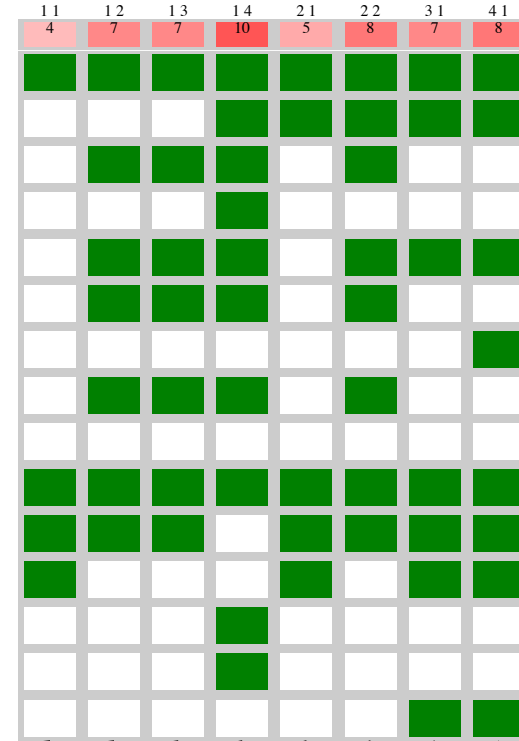
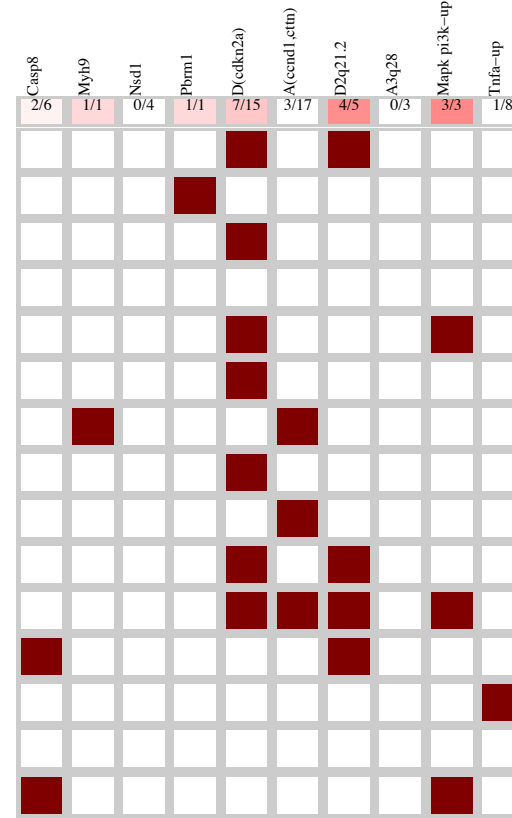
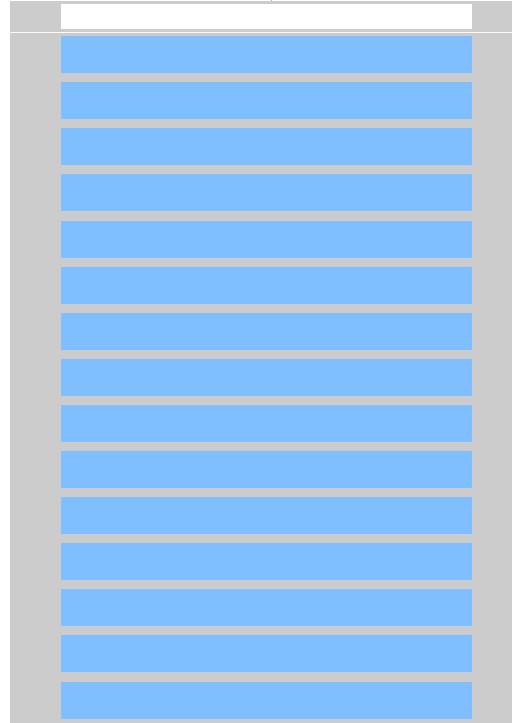
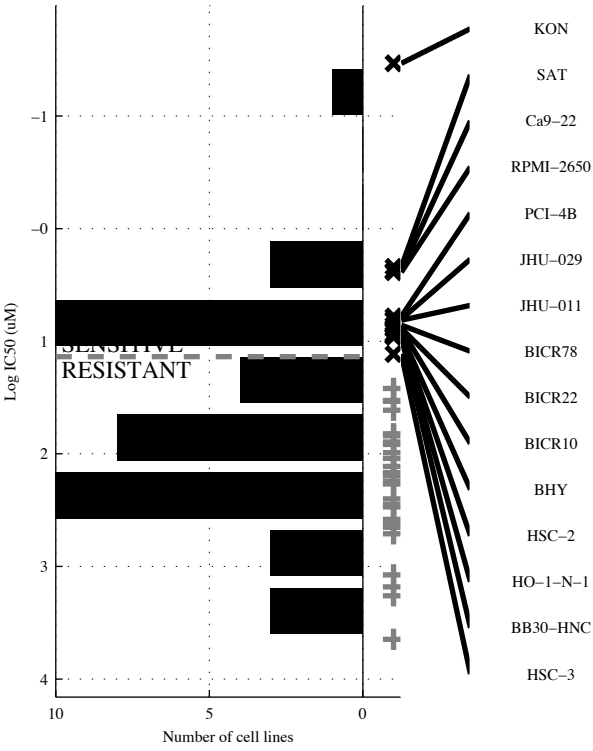


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>FAT1</b>	<b>FAT1 &amp; a(EGFR</b>	<b>FAT1 &amp; d8p23. &amp;</b> <b>-PI3K o</b>	<b>-NFE2L&amp; d8p23. &amp;</b> <b>-d(MED&amp;-PI3K o</b>	<b>PIK3CA   d2q21.</b>	<b>[ d2q21. &amp;Wnt-DQ ]</b> <b> </b> <b>[PIK3CA&amp;dXq21. ]</b>	<b>PIK3CA   RHOA  </b> <b>d2q21.</b>	<b>KDM6A  PIK3CA  </b> <b>RHOA  VEGF-D</b>
TP   FP	2   5	2   3	2   1	4   6	5   6	5   2	6   6	6   5
Specificity	0.86	0.92	0.97	0.83	0.83	0.94	0.83	0.86
FN   TN	4   31	4   33	4   35	2   30	1   30	1   34	0   30	0   31
Precision	0.29	0.4	0.67	0.4	0.45	0.71	0.5	0.55
Recall	0.33	0.33	0.33	0.67	0.83	0.83	1	1

HNSC  
 id: 166 name: FTI-277  
 target: Farnesyl transferase (FNTA) class: other

42 cell lines  
 15 sensitive

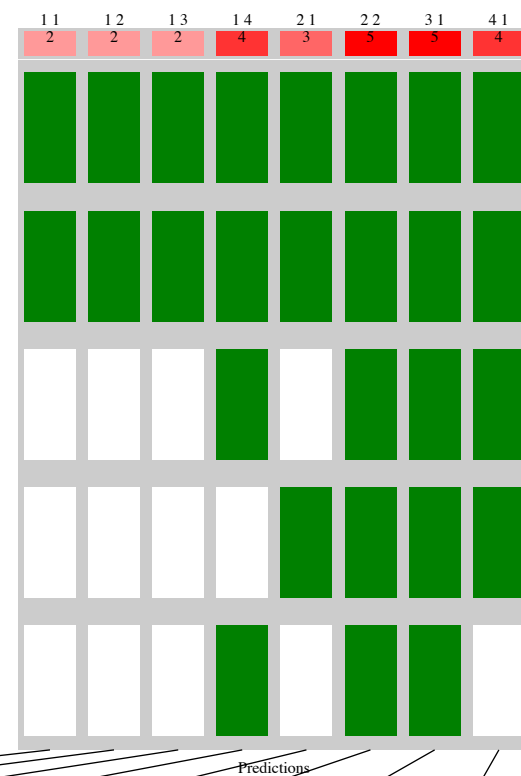
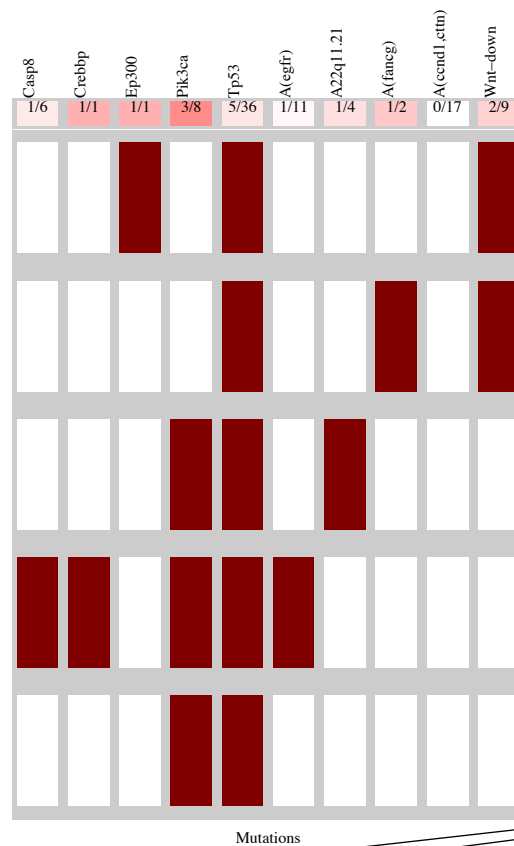
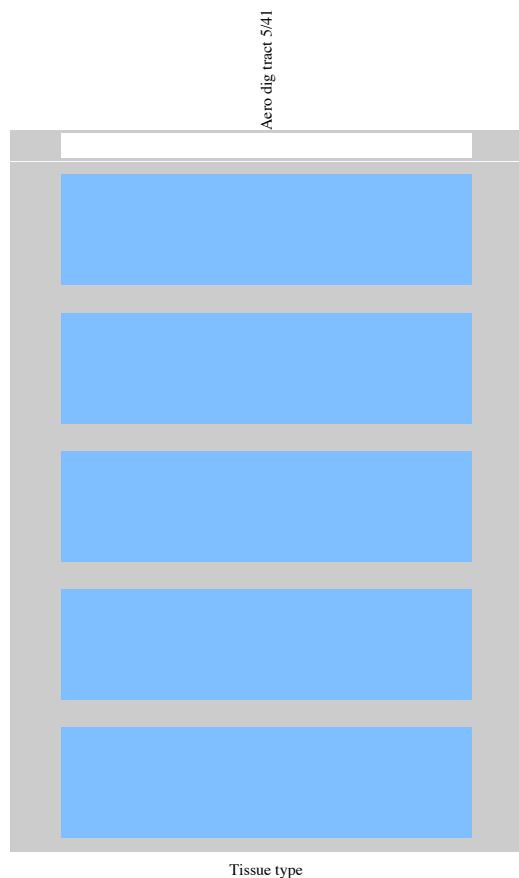
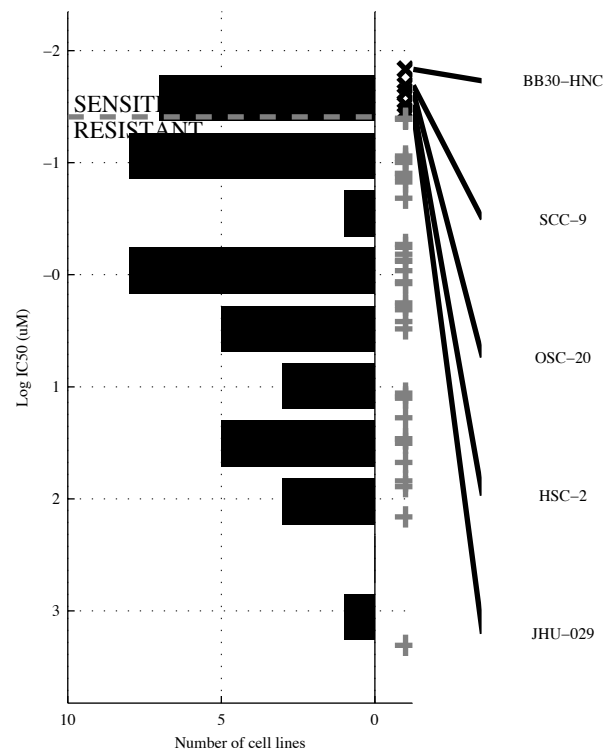
Aero dig tract 15/42



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d2q21.</b>	<b>d(CDKN&amp;TNFa-U</b>	<b>-NSD1 &amp; d(CDKN&amp;</b> <b>-TNFa-U</b>	<b>-CASP8 &amp; -NSD1 &amp;</b> <b>-a(CCNI &amp; -a3q28</b>	<b>PBRM1   d2q21.</b>	<b>[d(CDKN&amp;TNFa-U]</b> <b> </b> <b>[PBRM1&amp;</b>	<b>PBRM1   d2q21.  </b> <b>MAPK P</b>	<b>MYH9   PBRM1  </b> <b>d2q21.   MAPK P</b>
TP   FP	4   1	7   4	7   2	10   5	5   1	8   4	7   1	8   1
Specificity	0.96	0.85	0.93	0.81	0.96	0.85	0.96	0.96
FN   TN	11   26	8   23	8   25	5   22	10   26	7   23	8   26	7   26
Precision	0.8	0.64	0.78	0.67	0.83	0.67	0.88	0.89
Recall	0.27	0.47	0.47	0.67	0.33	0.53	0.47	0.53

HNSC  
 id: 170 name: Shikonin  
 target: unknown class: other

41 cell lines  
 5 sensitive

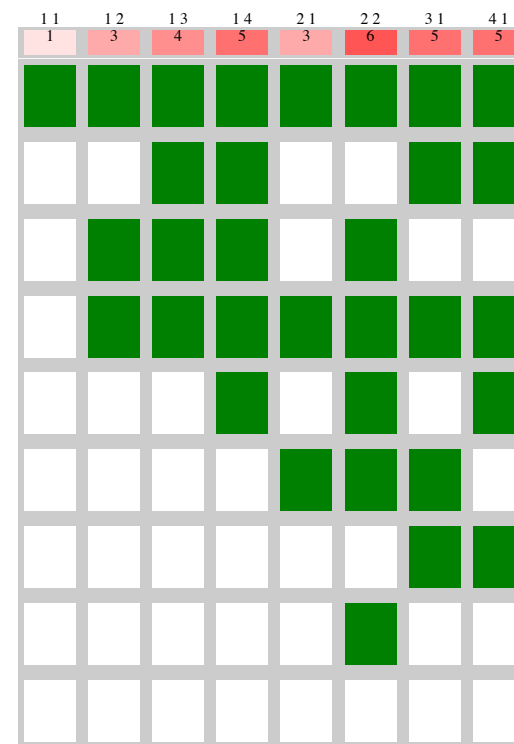
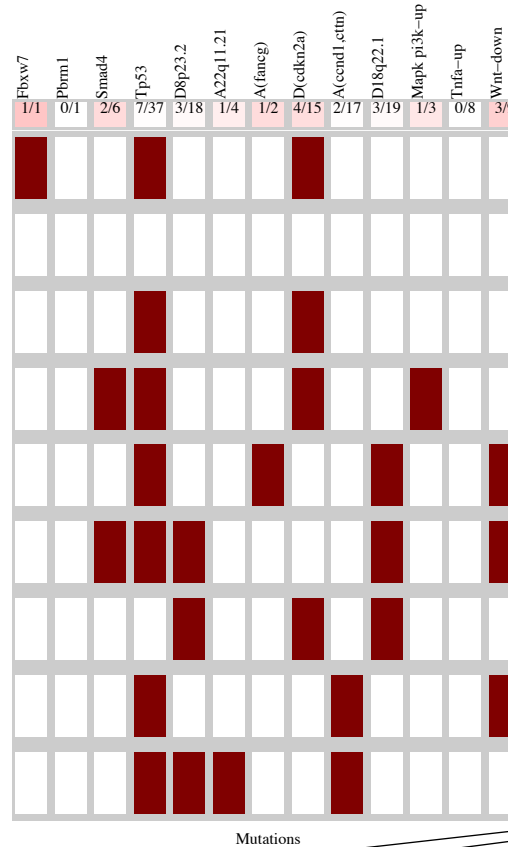
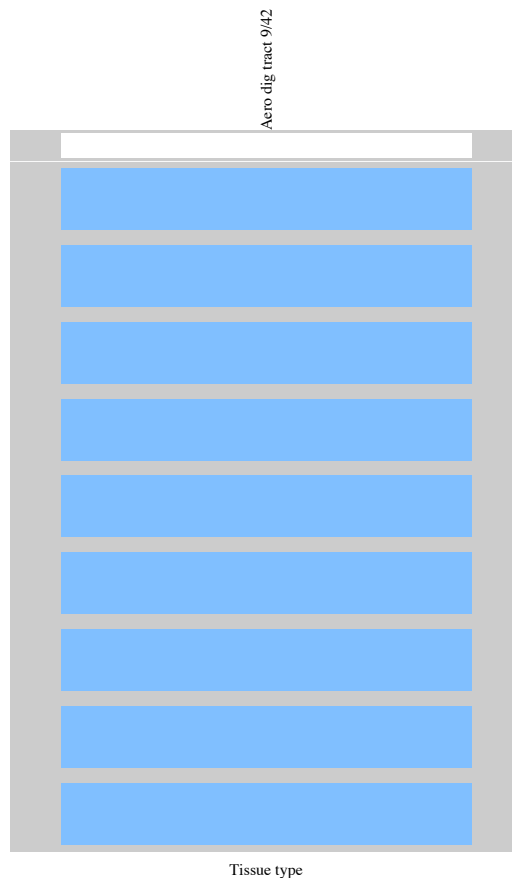
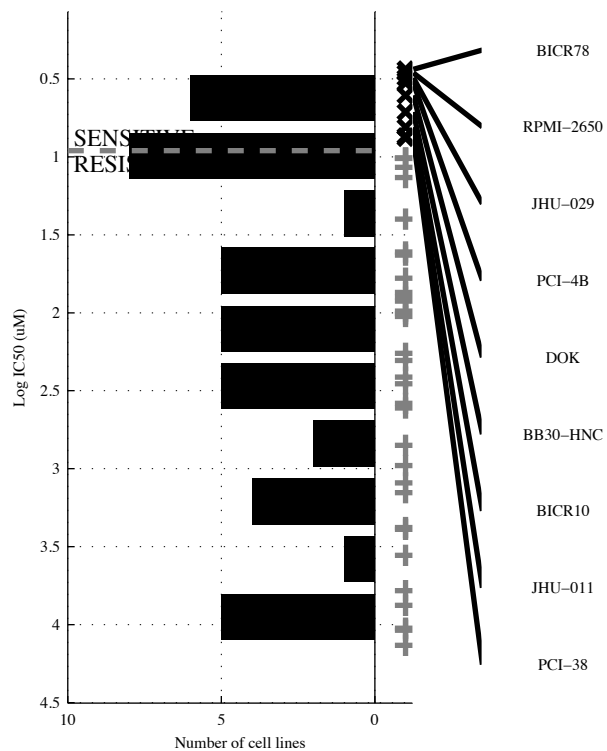


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>Wnt-DO</b>	<b>¬a(EGFR) &amp; Wnt-DO</b>	<b>¬a(EGFR) &amp; a(CCN1) &amp; Wnt-DO</b>	<b>¬CASP8 &amp; TP53 &amp; ¬a(EGFR) &amp; a(CCND1)</b>	<b>CREBBP   Wnt-DO</b>	<b>[PIK3CA &amp; TP53]   ¬a(EGFR) &amp; Wnt-DO</b>	<b>EP300   PIK3CA   a(FANC)</b>	<b>CREBBP   EP300   a22q11   a(FANC)</b>
TP   FP Specificity	2   7 0.81	2   4 0.89	2   2 0.94	4   7 0.81	3   7 0.81	5   7 0.81	5   6 0.83	4   4 0.89
FN   TN Precision	3   29 0.22	3   32 0.33	3   34 0.5	1   29 0.36	2   29 0.3	0   29 0.42	0   30 0.45	1   32 0.5
Recall	0.4	0.4	0.4	0.8	0.6	1	1	0.8



HNSC  
 id: 171 name: AKT inhibitor VIII  
 target: AKT1, AKT2, AKT3 class: PI3K signaling

42 cell lines  
 9 sensitive

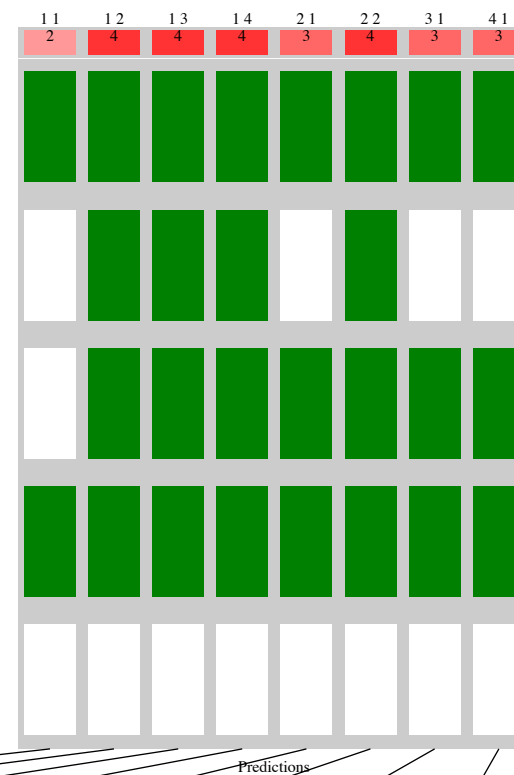
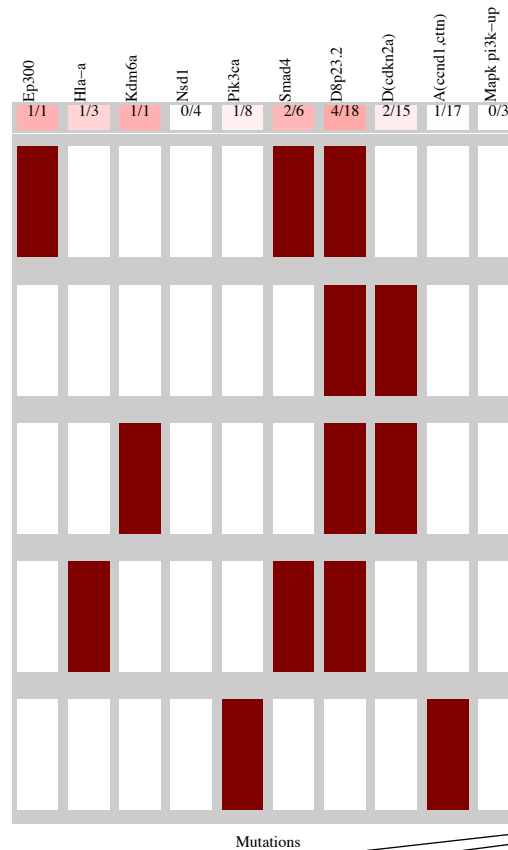
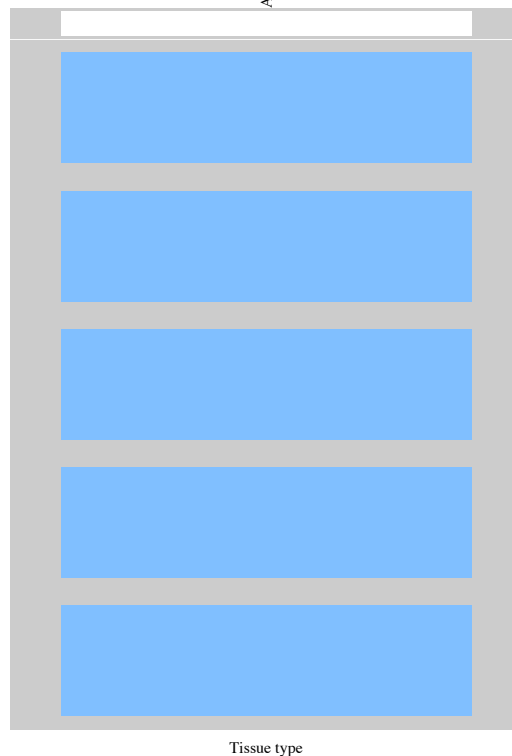
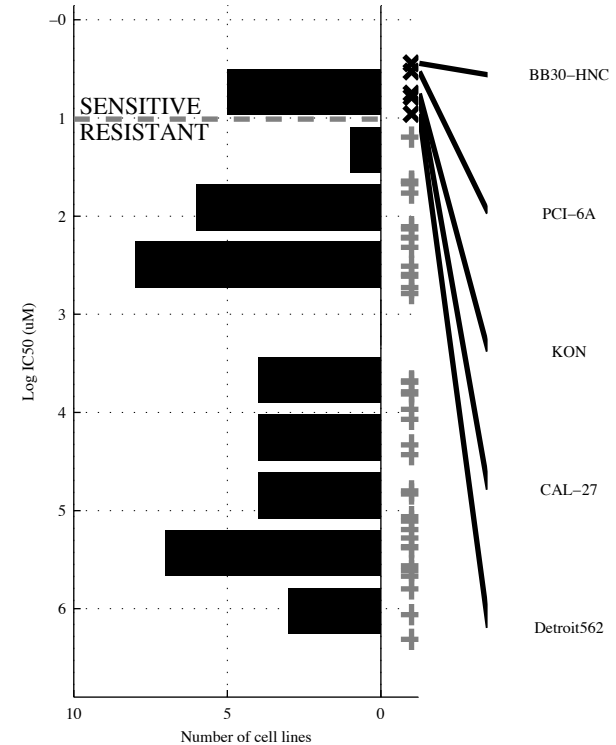


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>FBXW7</b>	<b>-d8p23.&amp;d(CDKN</b>	<b>-d8p23.&amp;a(CCNI&amp;</b>	<b>-PBRM&amp;-d8p23.&amp;</b> <b>-a22q11&amp;a(CCND</b>	<b>FBXW7   SMAD4</b>	<b>[ -TNFa- &amp; Wnt-DO ]</b>   <b>[ -d8p23.&amp;d(CDKN ]</b>	<b>FBXW7   SMAD4  </b> <b>-TP53</b>	<b>FBXW7   -TP53  </b> <b>a(FANC   MAPK P</b>
TP   FP Specificity	1   0 1	3   4 0.88	4   4 0.88	5   6 0.82	3   4 0.88	6   5 0.85	5   6 0.82	5   6 0.82
FN   TN Precision	1   0 1	3   4 0.43	4   4 0.5	5   6 0.45	3   4 0.43	6   5 0.55	5   6 0.45	5   6 0.45
Recall	8   33 0.11	6   29 0.33	5   29 0.44	4   27 0.56	6   29 0.33	3   28 0.67	4   27 0.56	4   27 0.56

HNSC  
 id: 177 name: GSK-650394  
 target: SGK3 class: other

42 cell lines  
 5 sensitive

Aero dig tract 5/42

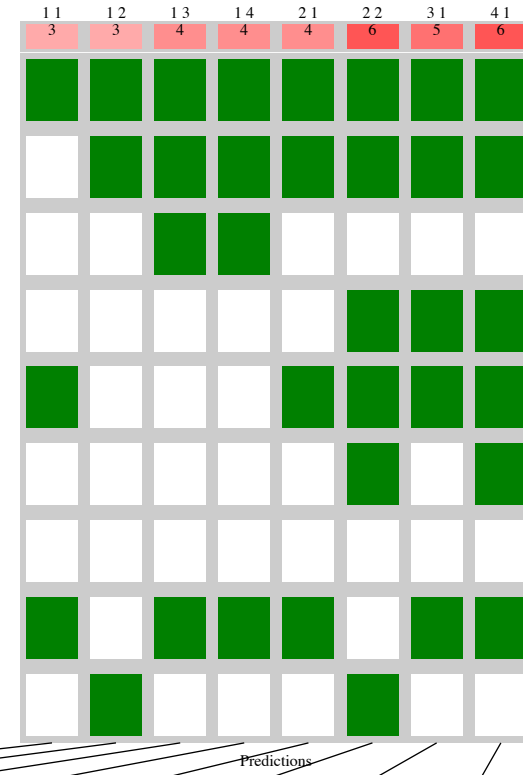
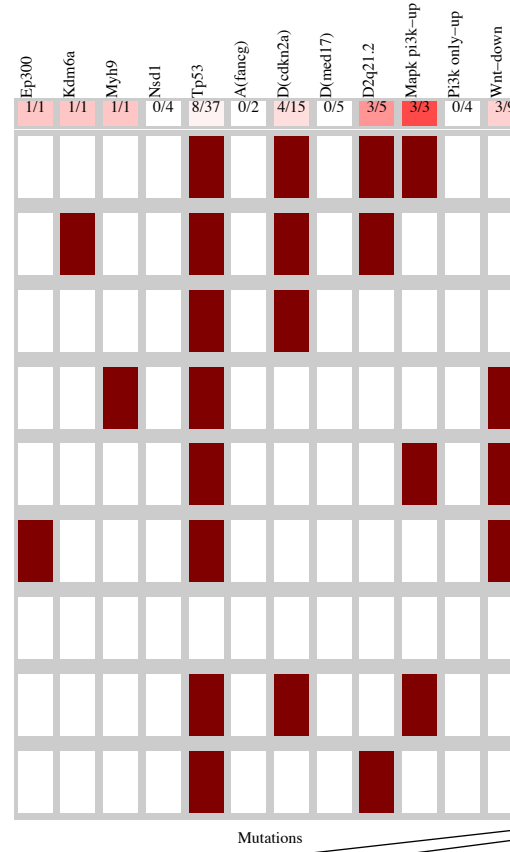
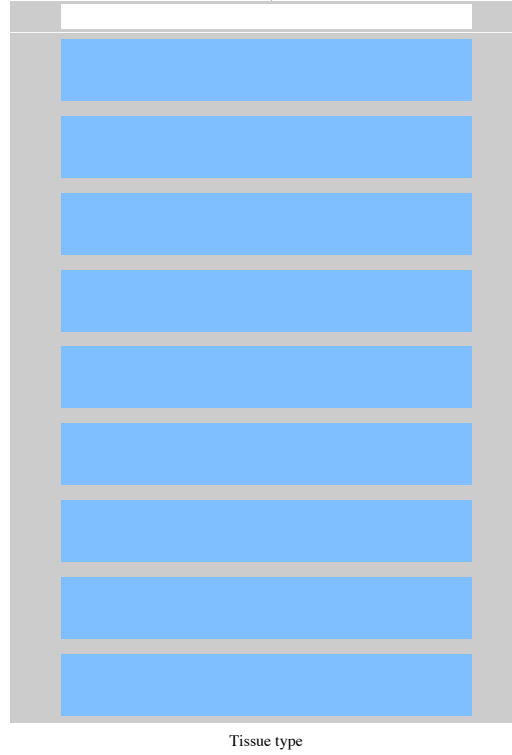
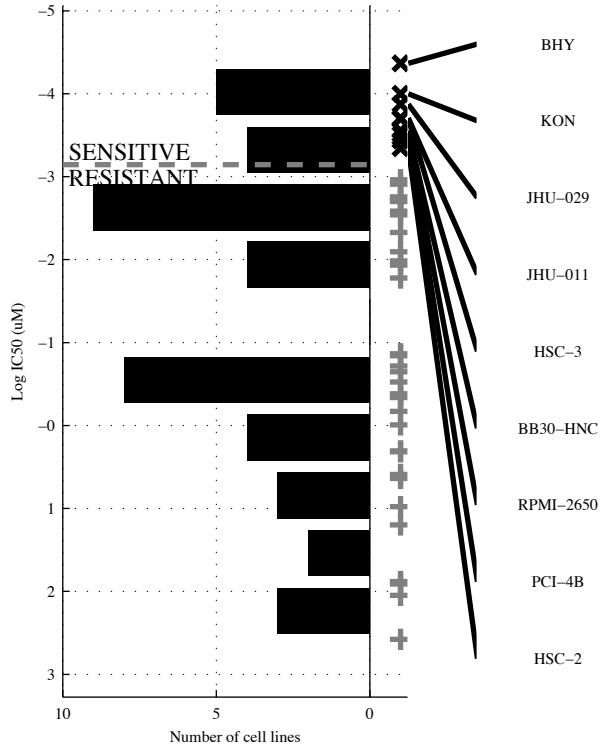


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>SMAD4</b>	<b>d8p23. &amp;a(CCND</b>	<b>-PIK3C &amp; d8p23. &amp;</b> <b>-a(CCND</b>	<b>-NSD1 &amp; PIK3C &amp;</b> <b>d8p23. &amp;a(CCND</b>	<b>KDM6A   SMAD4</b>	<b>[ SMAD4 &amp; MAPK ]</b> <b> </b> <b>[ d8p23. &amp;d(CDKN]</b>	<b>EP300   HLA-A  </b> <b>KDM6A</b>	<b>EP300   HLA-A  </b> <b>KDM6A  </b>
TP   FP	2   4	4   7	4   3	4   2	3   4	4   7	3   2	3   2
Specificity	0.89	0.81	0.92	0.95	0.89	0.81	0.95	0.95
FN   TN	3   33	1   30	1   34	1   35	2   33	1   30	2   35	2   35
Precision	0.33	0.36	0.57	0.67	0.43	0.36	0.6	0.6
Recall	0.4	0.8	0.8	0.8	0.6	0.8	0.6	0.6

HNSC  
 id: 182 name: Obatoclox Mesylate  
 target: BCL2, BCL2L1, MCL1 class: apoptosis regulation

42 cell lines  
 9 sensitive

Aero dig tract 9/42

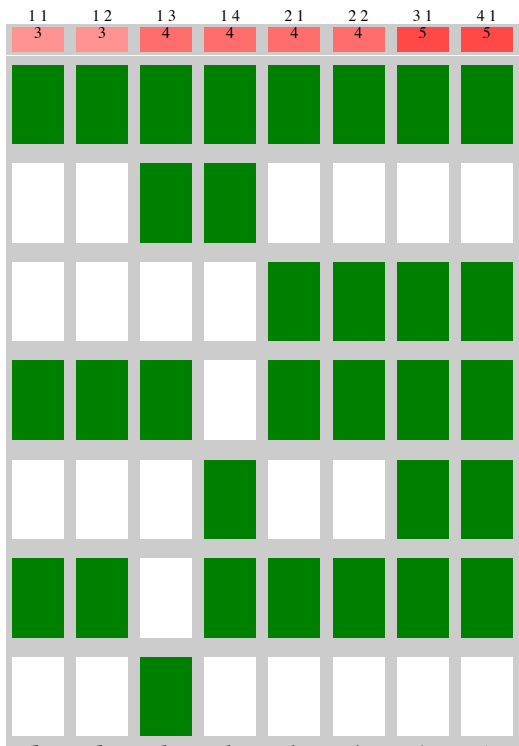
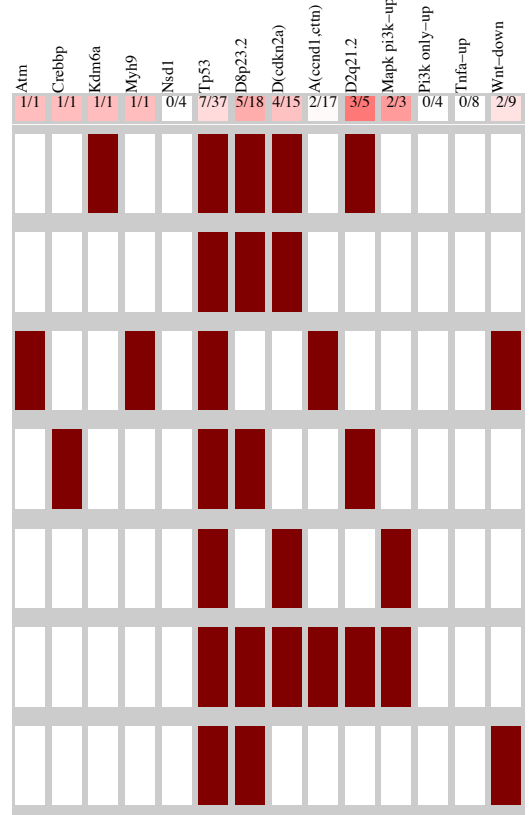
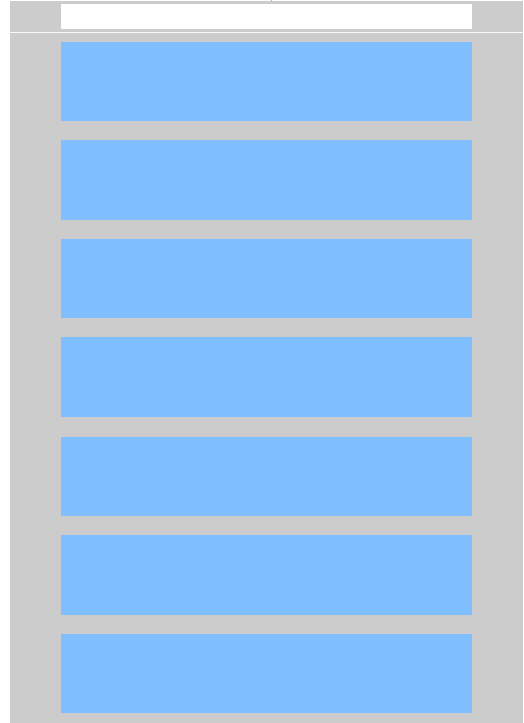
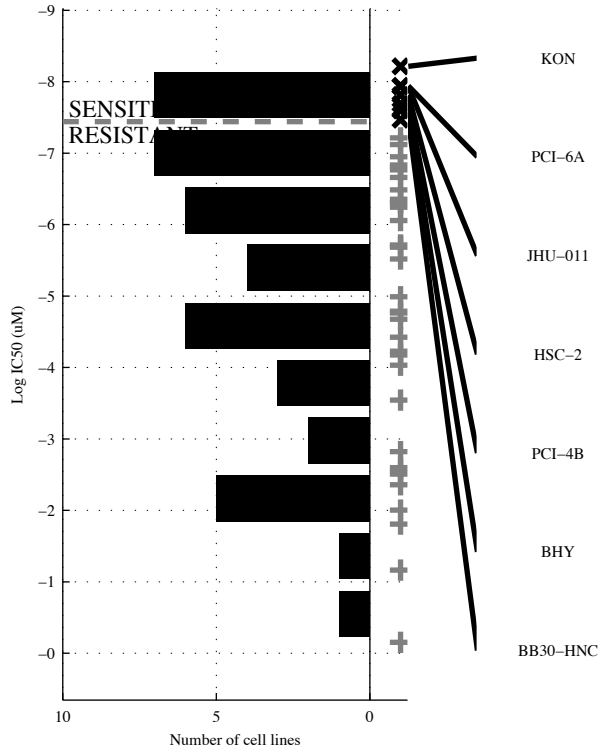


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>MAPK P</b>	<b>-d(MED&amp; d2q21.</b>	<b>TP53 &amp; d(CDKN&amp;</b> <b>-PI3K o</b>	<b>-NSD1 &amp; TP53 &amp;</b> <b>d(CDKN&amp;-PI3K o</b>	<b>KDM6A   MAPK P</b>	<b>[~a(FANG&amp;Wnt-DO]</b> <b> </b> <b>[~d(MED&amp; d2q21. ]</b>	<b>KDM6A   MYH9  </b> <b>MAPK P</b>	<b>EP300   KDM6A  </b> <b>MYH9   MAPK P</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{3}{6} \mid \frac{0}{33}$ 1 0.33	$\frac{3}{6} \mid \frac{1}{32}$ 0.97 0.75 0.33	$\frac{4}{5} \mid \frac{6}{27}$ 0.82 0.4 0.44	$\frac{4}{5} \mid \frac{3}{30}$ 0.91 0.57 0.44	$\frac{4}{5} \mid \frac{0}{33}$ 1 1 0.44	$\frac{6}{3} \mid \frac{4}{29}$ 0.88 0.6 0.67	$\frac{5}{4} \mid \frac{0}{33}$ 1 1 0.56	$\frac{6}{3} \mid \frac{0}{33}$ 1 1 0.67

HNSC  
 id: 201 name: Etophilon B  
 target: Microtubules class: cytoskeleton

42 cell lines  
 7 sensitive

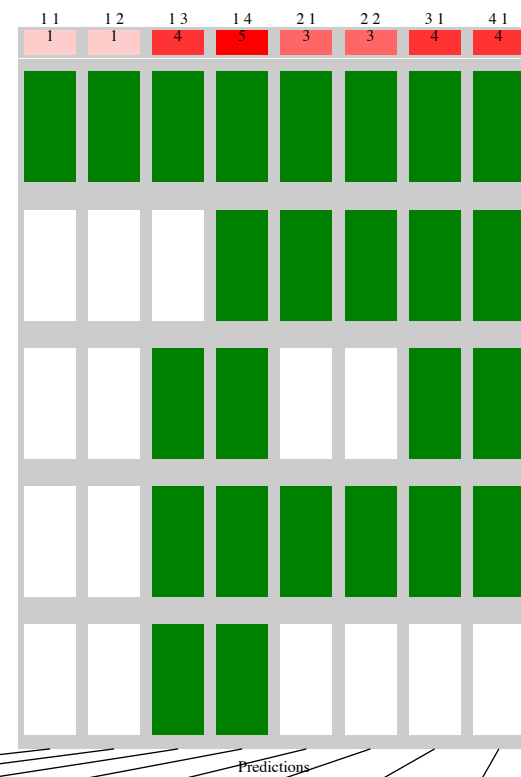
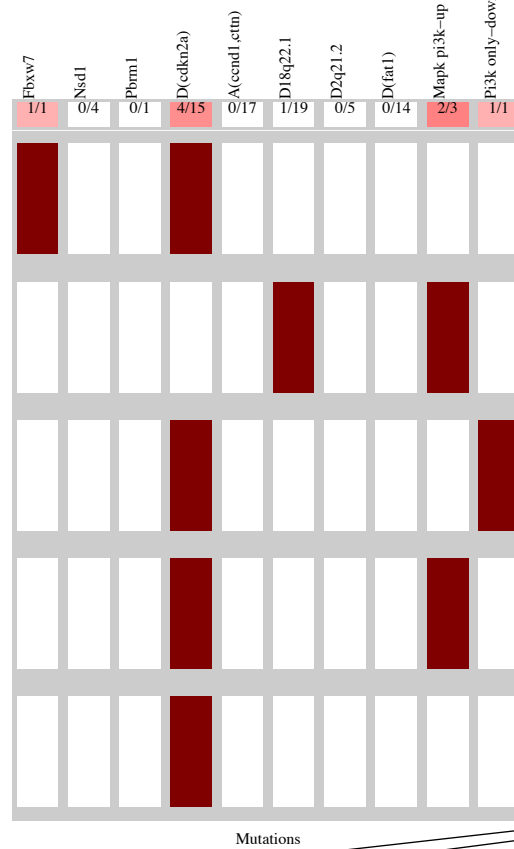
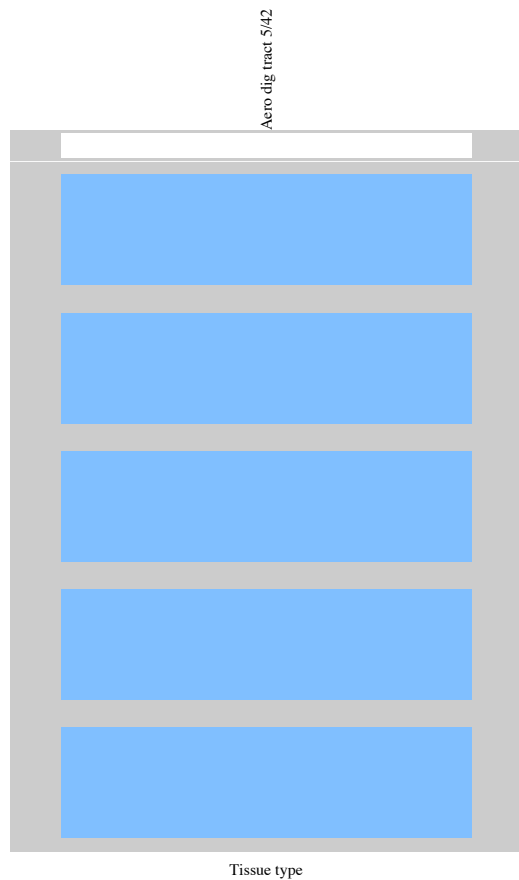
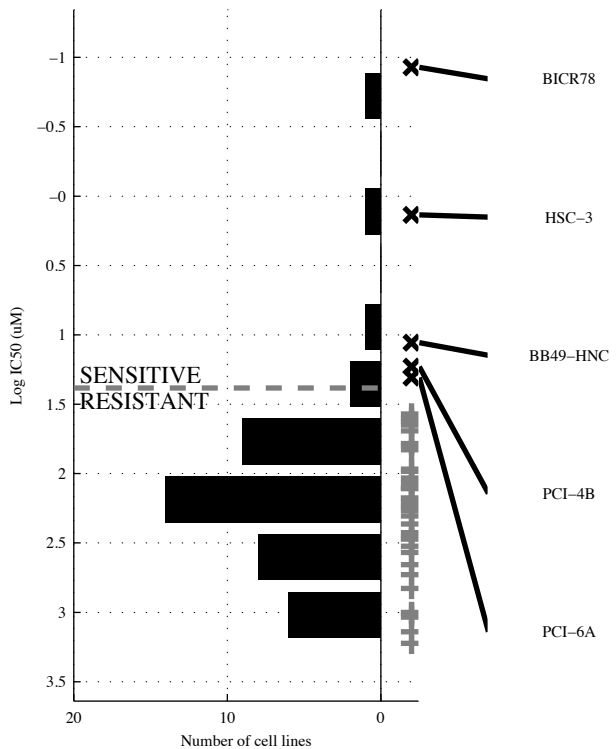
Aero dig tract 7/42



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d2q21.</b>	<b>d8p23. &amp; d2q21.</b>	<b>TP53 &amp; d8p23. &amp; <math>\neg</math>a(CCND)</b>	<b><math>\neg</math>NSD1 &amp; TP53 &amp; d(CDKN2A &amp; PI3K o</b>	<b>MYH9   d2q21.</b>	<b>[ MYH9 &amp; TNFa-U ]   [ d2q21. &amp; Wnt-DQ ]</b>	<b>ATM   d2q21.   MAPK P</b>	<b>CREBBP   KDM6A   MYH9   MAPK P</b>
TP   FP	3   2	3   1	4   5	4   3	4   2	4   1	5   3	5   1
FN   TN	4   33	4   34	3   30	3   32	3   33	3   34	2   32	2   34
Specificity	0.94	0.97	0.86	0.91	0.94	0.97	0.91	0.97
Precision	0.6	0.75	0.44	0.57	0.67	0.8	0.63	0.83
Recall	0.43	0.43	0.57	0.57	0.57	0.57	0.71	0.71

HNSC  
 id: 202 name: GSK-1904529A  
 target: IGF1R class: IGFR signaling

42 cell lines  
 5 sensitive

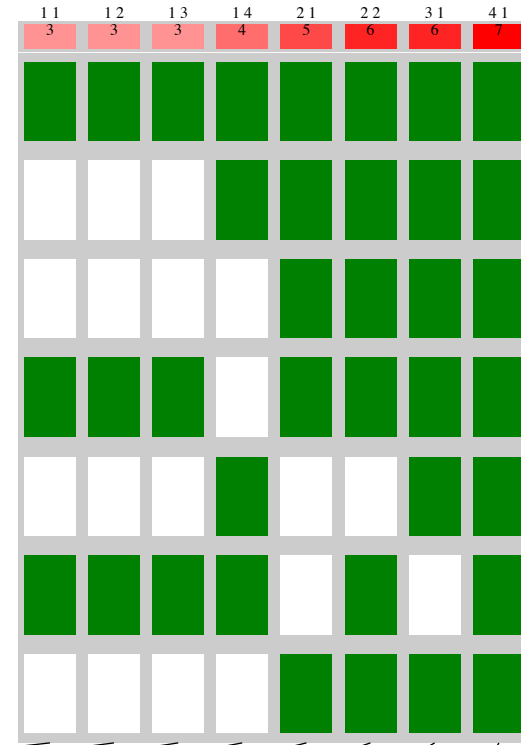
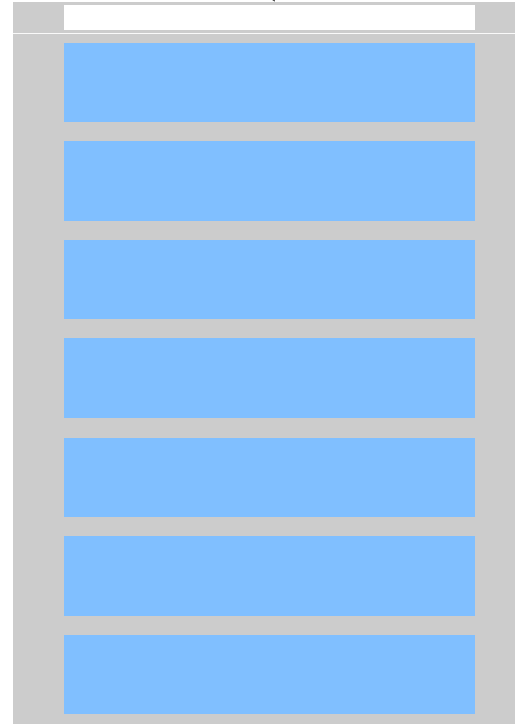
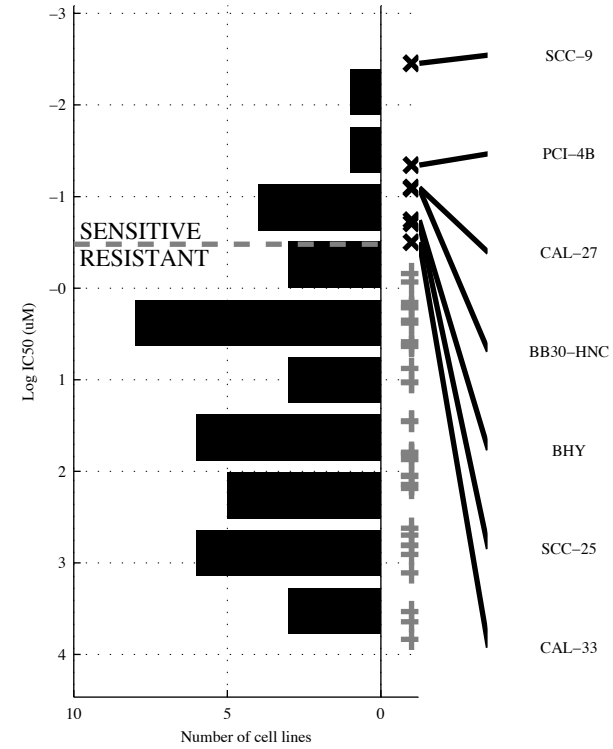


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>FBXW7</b>	<b>FBXW7 &amp;</b>	<b>~NSD1 &amp; d(CDKN2A) &amp; d18q22</b>	<b>~PBRM1 &amp; a(CCND1,CTN) &amp; d2q21 &amp; d(FAT1)</b>	<b>FBXW7   MAPK P</b>	<b>[~a(CCND1,MAPK P)   [FBXW7 &amp; ]]</b>	<b>FBXW7   MAPK P   PI3K o</b>	<b>FBXW7   MAPK P   PI3K o  </b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{4} \mid \frac{0}{37}$ 1 0.2	$\frac{1}{4} \mid \frac{0}{37}$ 1 0.2	$\frac{4}{1} \mid \frac{3}{34}$ 0.92 0.57 0.8	$\frac{5}{0} \mid \frac{7}{30}$ 0.81 0.42 1	$\frac{3}{2} \mid \frac{1}{36}$ 0.97 0.75 0.6	$\frac{3}{2} \mid \frac{0}{37}$ 1 1 0.6	$\frac{4}{1} \mid \frac{1}{36}$ 0.97 0.8 0.8	$\frac{4}{1} \mid \frac{1}{36}$ 0.97 0.8 0.8

HNSC  
 id: 282 name: EKB-569  
 target: EGFR class: EGFR signaling

40 cell lines  
 7 sensitive

Aero dig tract 7/40

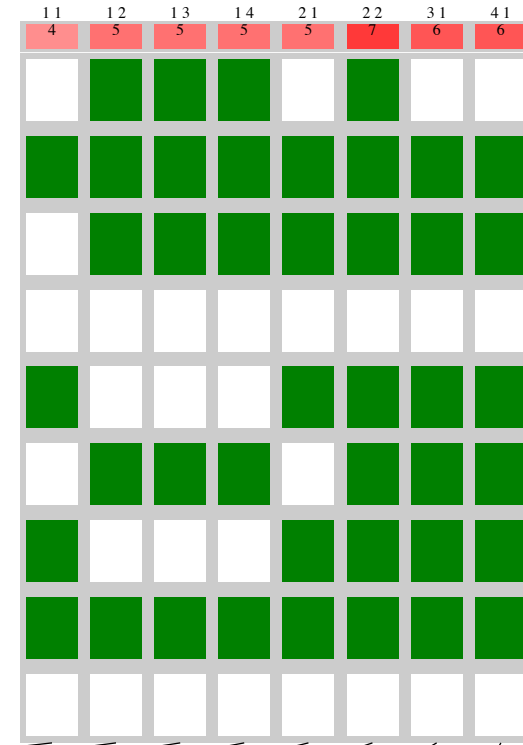
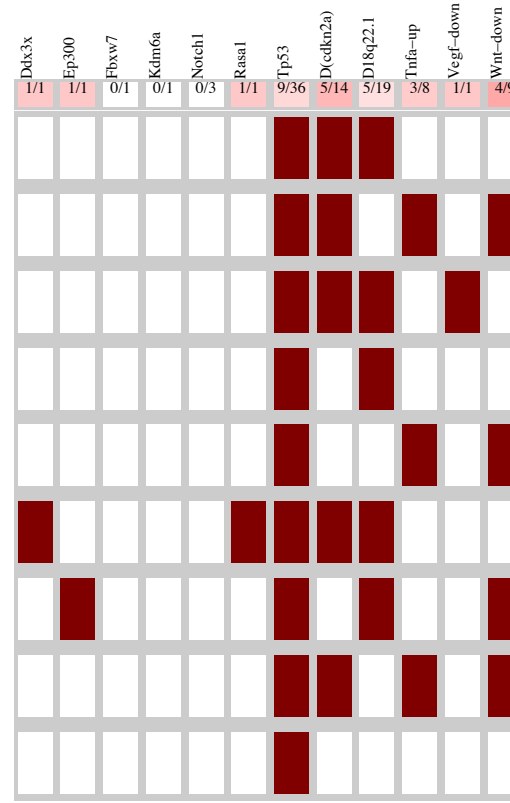
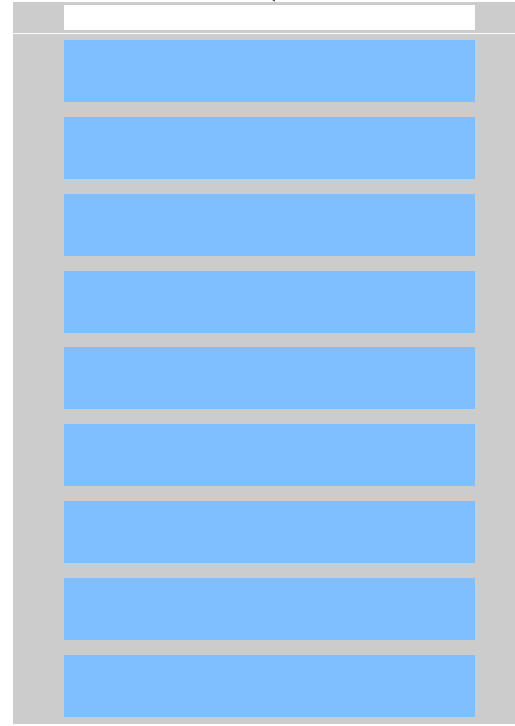
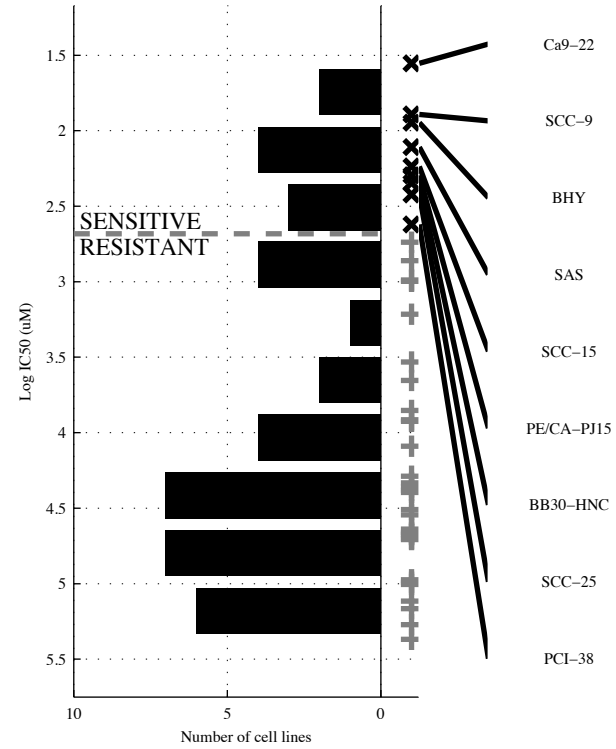


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>Wnt-DO</b>	<b>¬a(EGFR) &amp; Wnt-DO</b>	<b>¬FAT1 &amp; a(EGFR) &amp; Wnt-DO</b>	<b>¬KDM6A &amp; TP53 &amp; d(CDKN2A) &amp; ¬PI3K o</b>	<b>SMAD4   a(FANC)</b>	<b>[d(CDKN2A) &amp; d(FAT1)]   ¬NOTCH1 &amp; SMAD4</b>	<b>SMAD4   a(FANC)   MAPK P</b>	<b>MLL2   SMAD4   a(FANC)   VEGF-D</b>
TP   FP Specificity	3   6 0.82	3   3 0.91	3   1 0.97	4   4 0.88	5   3 0.91	6   2 0.94	6   3 0.91	7   3 0.91
FN   TN Precision	4   27 0.33	4   30 0.5	4   32 0.75	3   29 0.5	2   30 0.63	1   31 0.75	1   30 0.67	0   30 0.7
Recall	0.43	0.43	0.43	0.57	0.71	0.86	0.86	1

HNSC  
 id: 288 name: KIN001-055  
 target: JAK3, MNK1 class: other

40 cell lines  
 9 sensitive

Aero dig tract 9/40

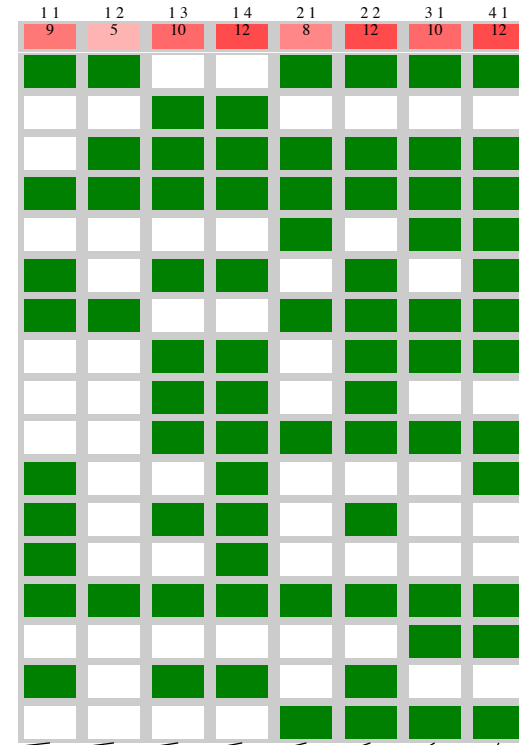
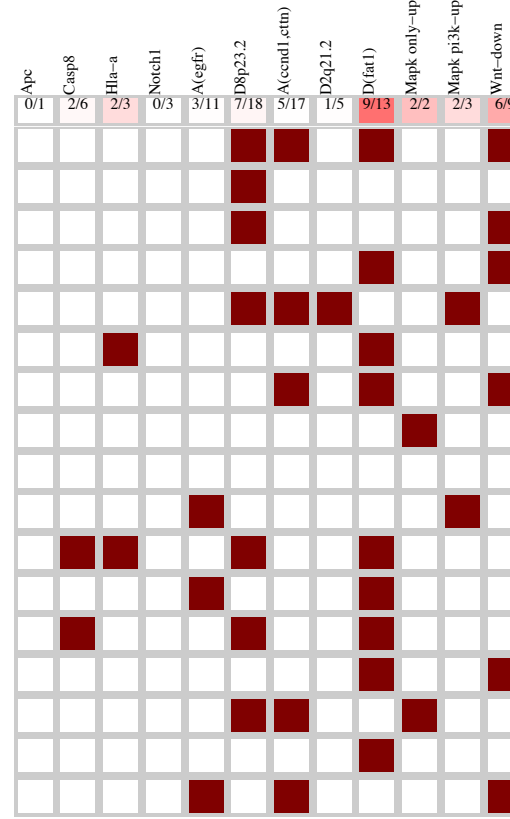
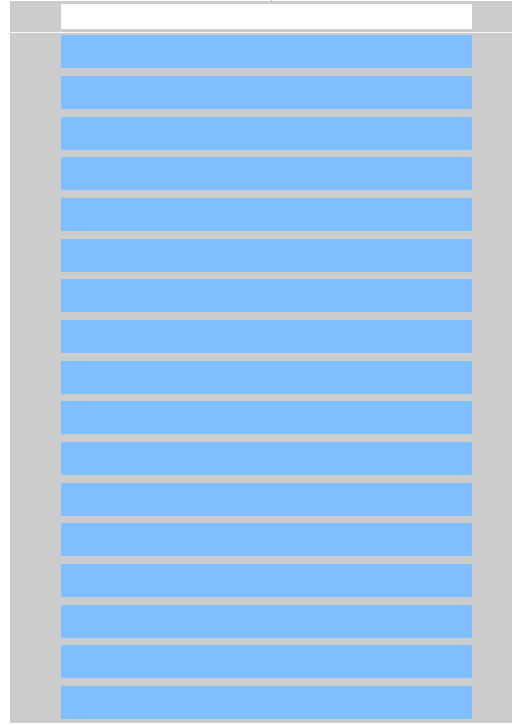
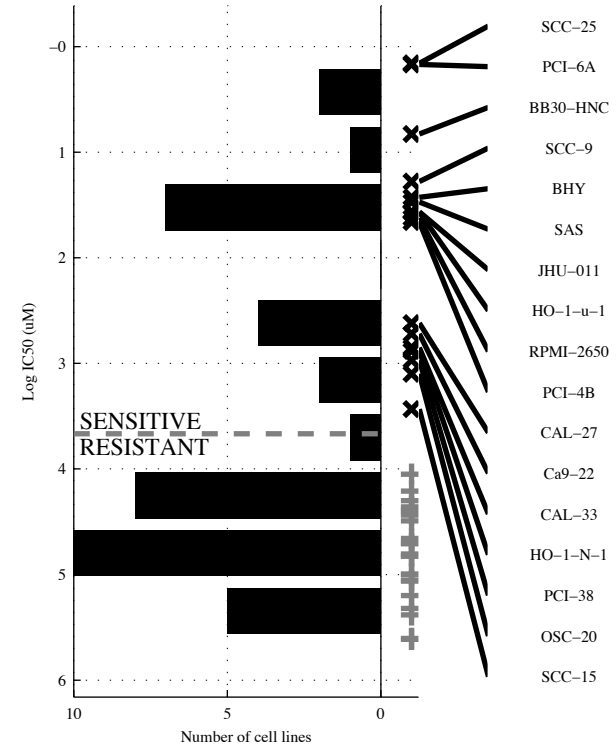


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>Wnt-DO</b>	<b>TP53 &amp; d(CDKN</b>	<b>-FBXW &amp; TP53 &amp; d(CDKN</b>	<b>-FBXW &amp; KDM6 &amp; TP53 &amp; d(CDKN</b>	<b>VEGF-D   Wnt-DO</b>	<b>[d(CDKN &amp; d18q22)   NOTCH &amp; Wnt-DO]</b>	<b>RASA1   VEGF-D   Wnt-DO</b>	<b>DDX3X   EP300   TNFa-U   VEGF-D</b>
TP   FP Specificity	4   5 0.84	5   6 0.81	5   5 0.84	5   4 0.87	5   5 0.84	7   5 0.84	6   5 0.84	6   5 0.84
FN   TN Precision	4   5 0.44	5   6 0.45	4   5 0.5	4   4 0.56	4   5 0.5	2   5 0.58	3   5 0.55	3   5 0.55
Recall	5   26 0.44	4   25 0.56	4   26 0.56	4   27 0.56	4   26 0.56	2   26 0.78	3   26 0.67	3   26 0.67

HNSC  
 id: 300 name: CX-5461  
 target: RNA Pol I class: other

40 cell lines  
 17 sensitive

Aero dig tract 17/40

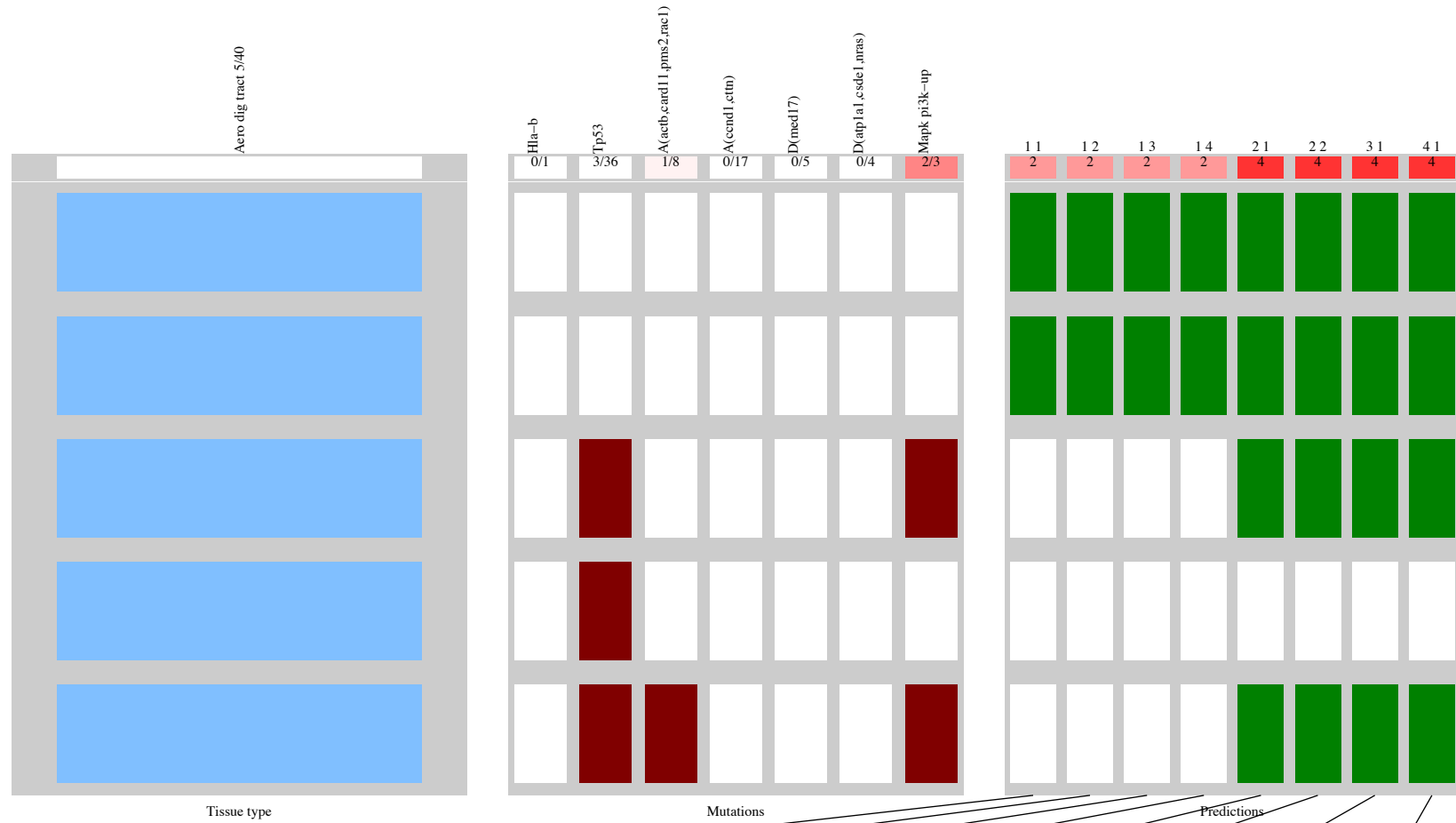
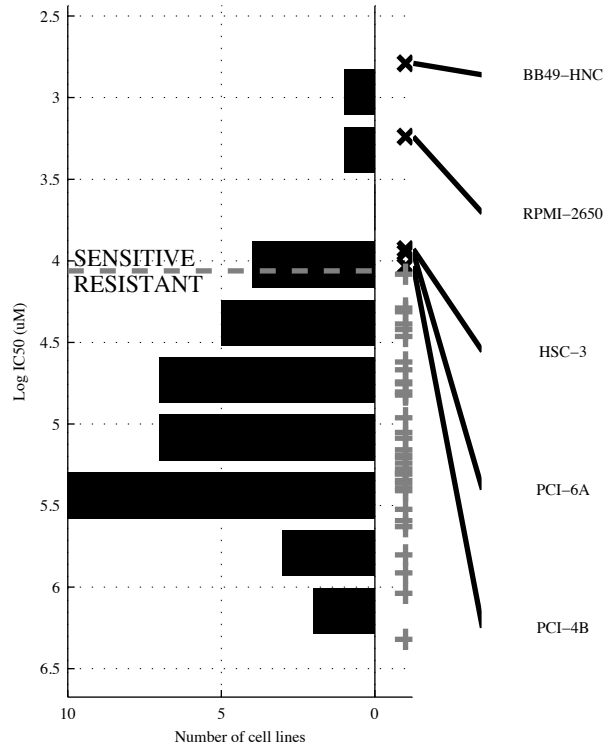


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d(FAT1)</b>	<b>~a(EGFR)&amp;Wnt-DO</b>	<b>~CASP8&amp;a(CCNE)&amp;~d2q21.</b>	<b>~APC &amp; NOTCH &amp; ~a(CCNE)&amp;~d2q21.</b>	<b>MAPK PIWnt-DO</b>	<b>[NOTCH&amp;Wnt-DO]</b>	<b>MAPK o MAPK PI</b>	<b>HLA-A  MAPK o </b>
TP   FP Specificity	9   4 0.83	5   1 0.96	10   4 0.83	12   4 0.83	8   3 0.87	12   4 0.83	10   3 0.87	12   4 0.83
FN   TN Precision	8   19 0.69	12   22 0.83	7   19 0.71	5   19 0.75	9   20 0.73	5   19 0.75	7   20 0.77	5   19 0.75
Recall	0.53	0.29	0.59	0.71	0.47	0.71	0.59	0.71



HNSC  
 id: 309 name: Y-39983  
 target: ROCK class: cytoskeleton

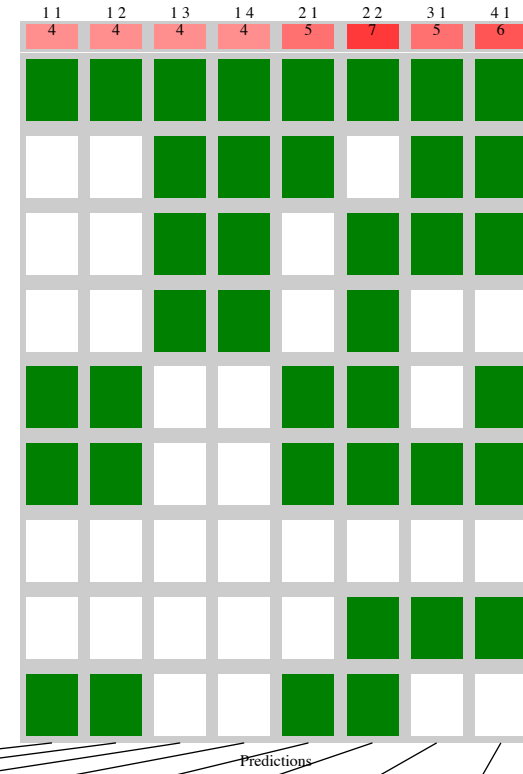
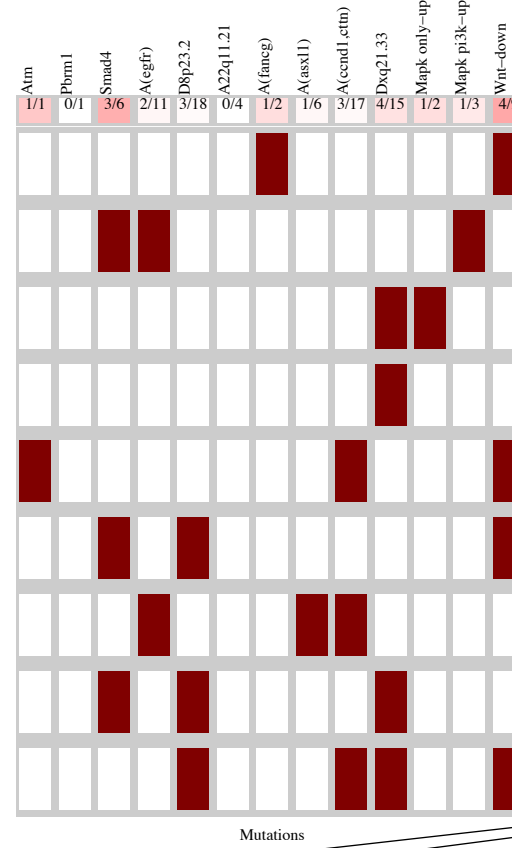
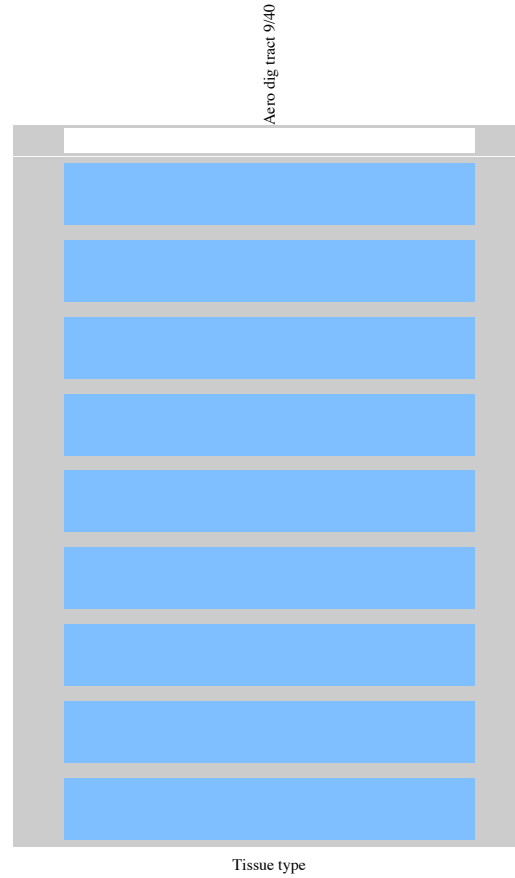
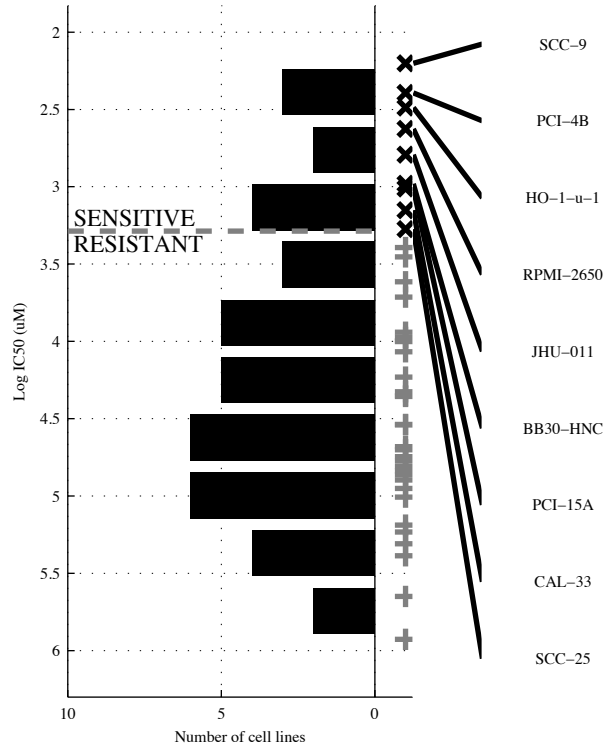
40 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>-TP53</b>	<b>-TP53 &amp; d(ATP1)</b>	<b>-HLA-B &amp; -TP53 &amp; -a(ACTB)</b>	<b>-HLA-B &amp; -TP53 &amp; -a(ACTG)</b>	<b>-TP53   MAPK P</b>	<b>[ -a(CCNE1) &amp; MAPK P ]   [ -TP53 &amp; d(MED17) ]</b>	<b>-TP53   MAPK P  </b>	<b>-TP53   MAPK P  </b>
TP   FP Specificity FN   TN Precision Recall	$\frac{2}{3} \mid \frac{2}{33}$ 0.94 0.5 0.4	$\frac{2}{3} \mid \frac{0}{35}$ 1 1 0.4	$\frac{2}{3} \mid \frac{0}{35}$ 1 1 0.4	$\frac{2}{3} \mid \frac{0}{35}$ 1 1 0.4	$\frac{4}{1} \mid \frac{3}{32}$ 0.91 0.57 0.8	$\frac{4}{1} \mid \frac{0}{35}$ 1 1 0.8	$\frac{4}{1} \mid \frac{3}{32}$ 0.91 0.57 0.8	$\frac{4}{1} \mid \frac{3}{32}$ 0.91 0.57 0.8

HNSC  
 id: 326 name: GSK690693  
 target: AKT class: PI3K signaling

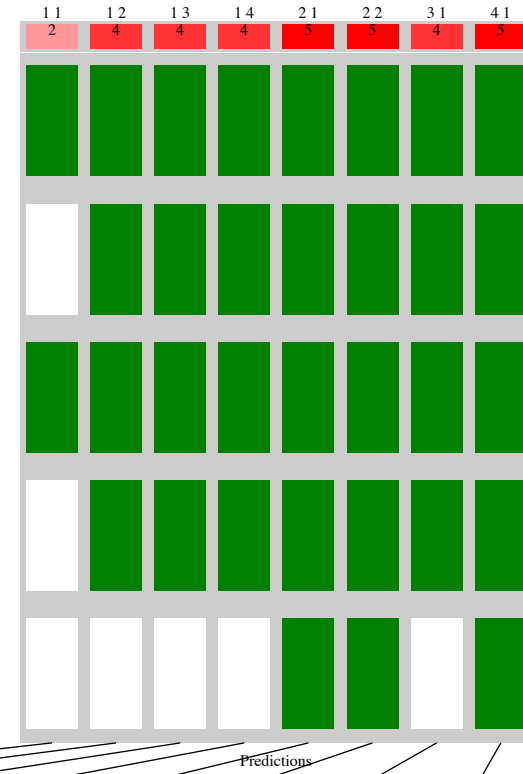
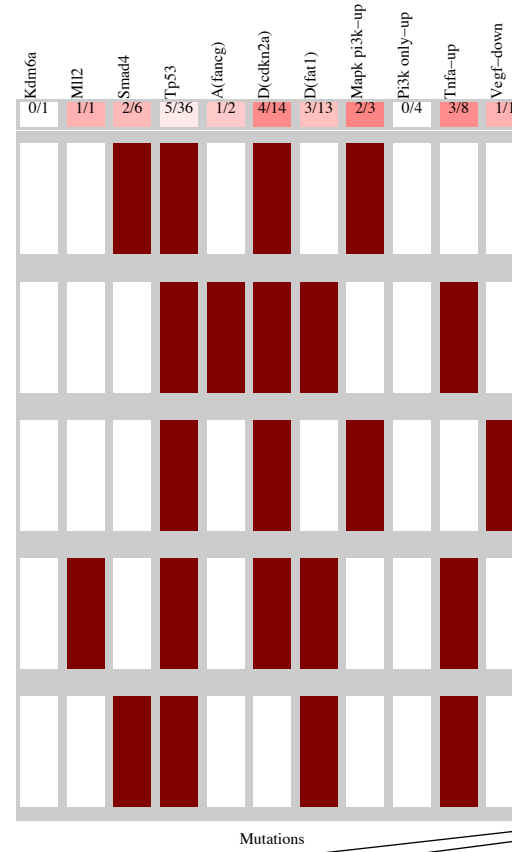
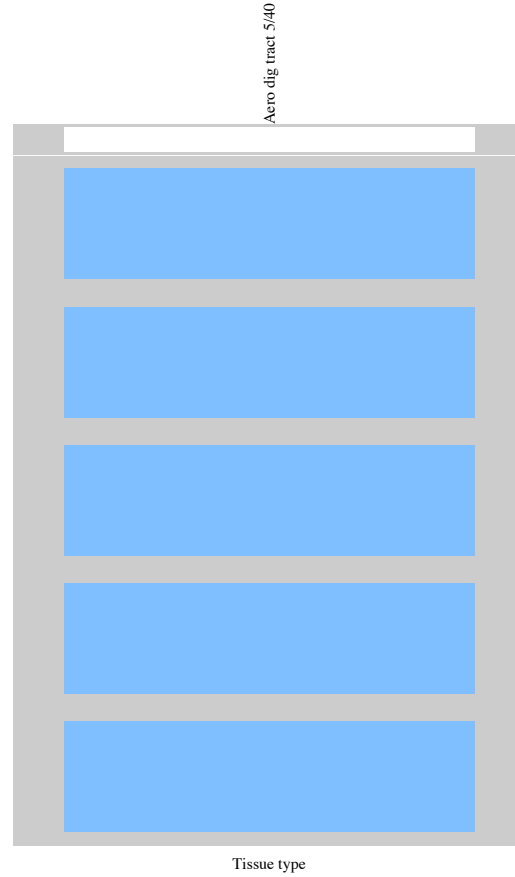
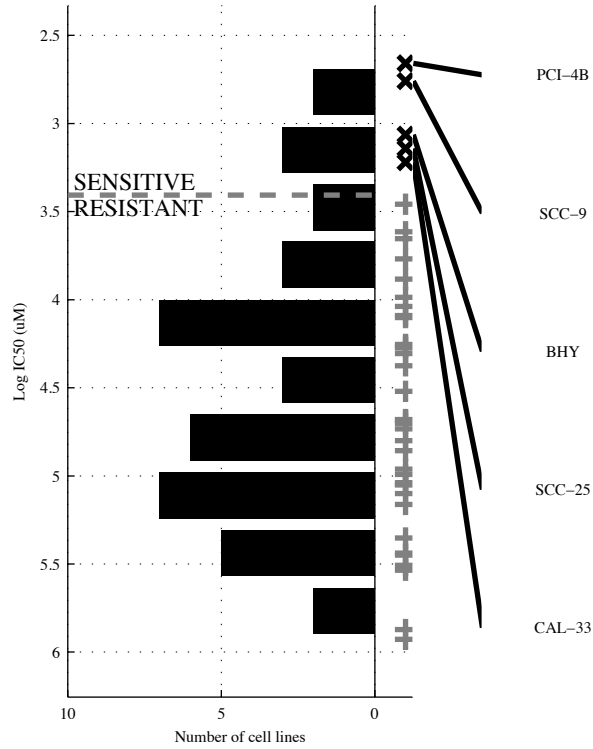
40 cell lines  
 9 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>Wnt-DO</b>	<b>¬a(EGFR)&amp;Wnt-DO</b>	<b>¬d8p23.&amp;¬a22q11&amp;</b> <b>¬a(CCND)</b>	<b>¬PBRM1&amp;¬d8p23.&amp;</b> <b>¬a(ASX1)&amp;a(CCND)</b>	<b>MAPK PIWnt-DO</b>	<b>¬a(EGFR)&amp;Wnt-DO</b>   <b>¬a(CCND)&amp;dXq21. ]</b>	<b>SMAD4   a(FANC  </b>  <b>MAPK o</b>	<b>ATM   SMAD4  </b>  <b>a(FANC   MAPK o</b>
TP   FP Specificity	4   5 0.84	4   2 0.94	4   6 0.81	4   6 0.81	5   6 0.81	7   6 0.81	5   5 0.84	6   5 0.84
FN   TN Precision	5   26 0.44	5   29 0.67	5   25 0.4	5   25 0.4	4   25 0.45	2   25 0.54	4   26 0.5	3   26 0.55
Recall	0.44	0.44	0.44	0.44	0.56	0.78	0.56	0.67

HNSC  
 id: 329 name: QL-XI-92  
 target: DDR1 class: RTK signaling

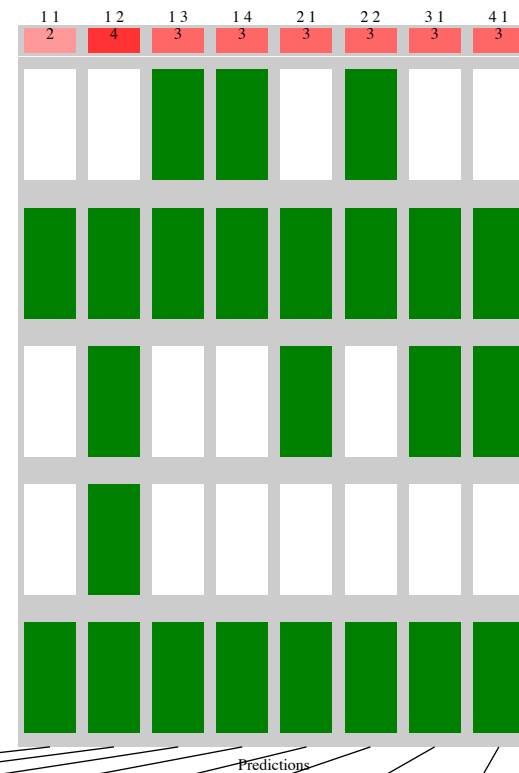
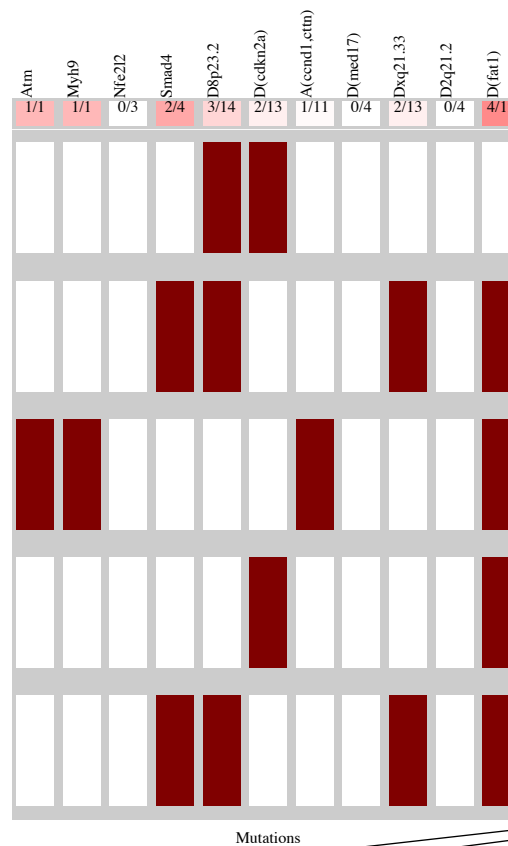
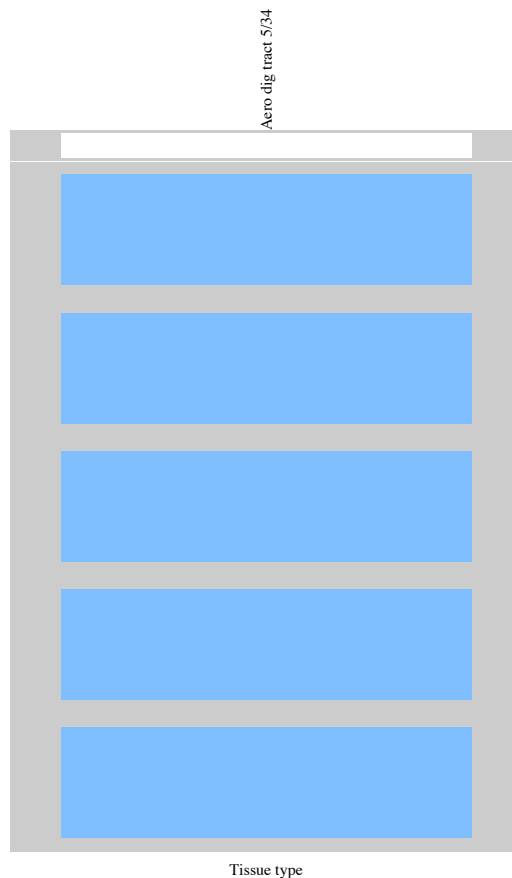
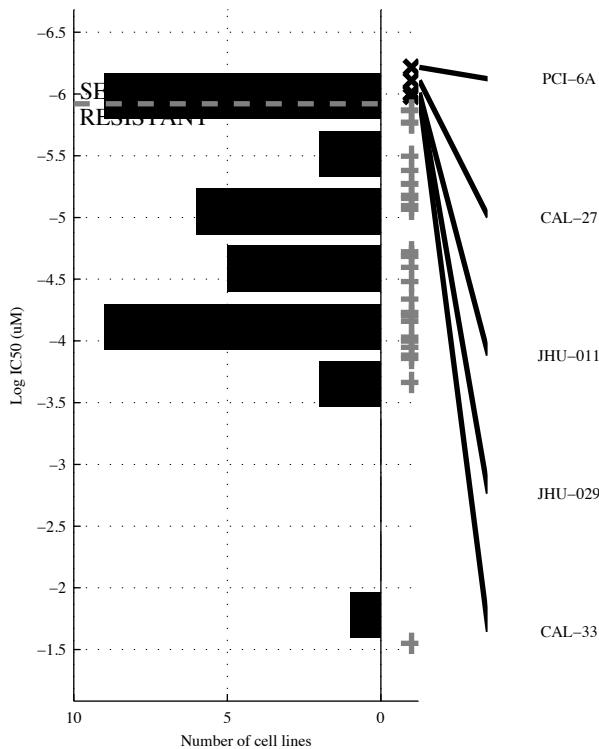
40 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MAPK P</b>	<b>TP53 &amp; d(CDKN</b>	<b>TP53 &amp; d(CDKN&amp;</b>	<b>-KDM6&amp; TP53 &amp;</b>	<b>MAPK P TNFa-U</b>	<b>[d(CDKN&amp;MAPK P]</b>   <b>[ d(FAT1&amp;TNFa-U]</b>	<b>MLL2   a(FANC </b>  <b>MAPK P</b>	<b>MLL2   SMAD4  </b>  <b>a(FANC VEGF-D</b>
TP   FP	2   1	4   7	4   5	4   4	5   6	5   2	4   2	5   5
Specificity	0.97	0.8	0.86	0.89	0.83	0.94	0.94	0.86
FN   TN	3   34	1   28	1   30	1   31	0   29	0   33	1   33	0   30
Precision	0.67	0.36	0.44	0.5	0.45	0.71	0.67	0.5
Recall	0.4	0.8	0.8	0.8	1	1	0.8	1

HNSC  
 id: 1004 name: Vinblastine  
 target: Microtubules class: cytoskeleton

34 cell lines  
 5 sensitive

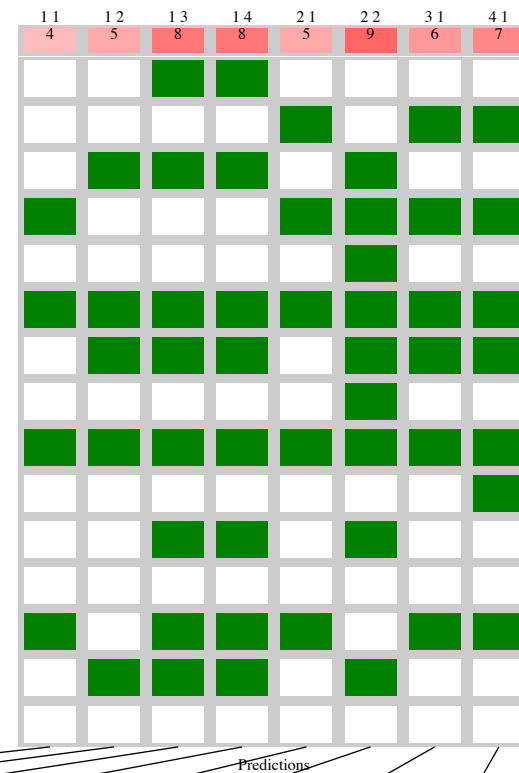
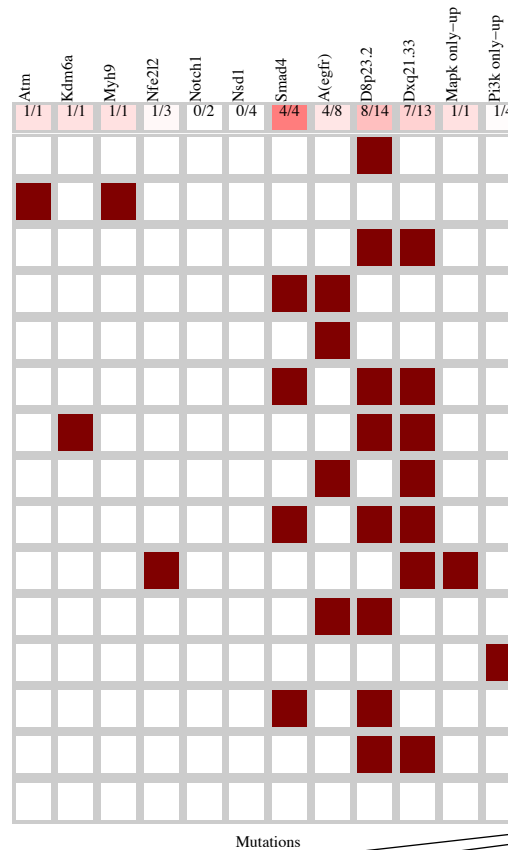
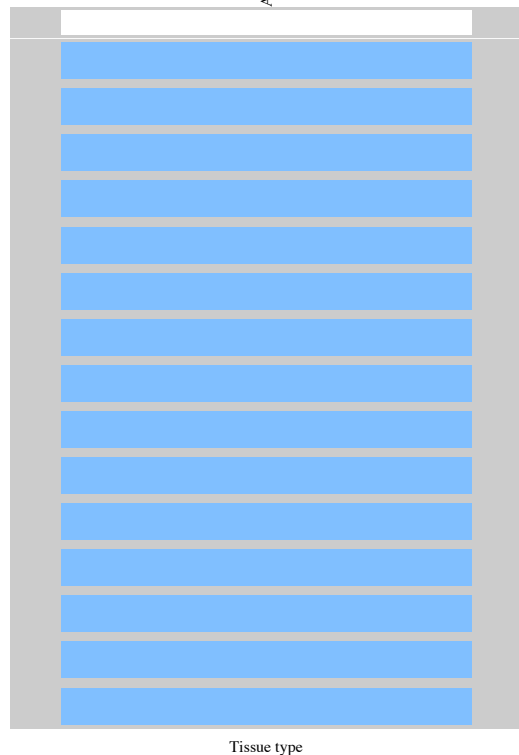
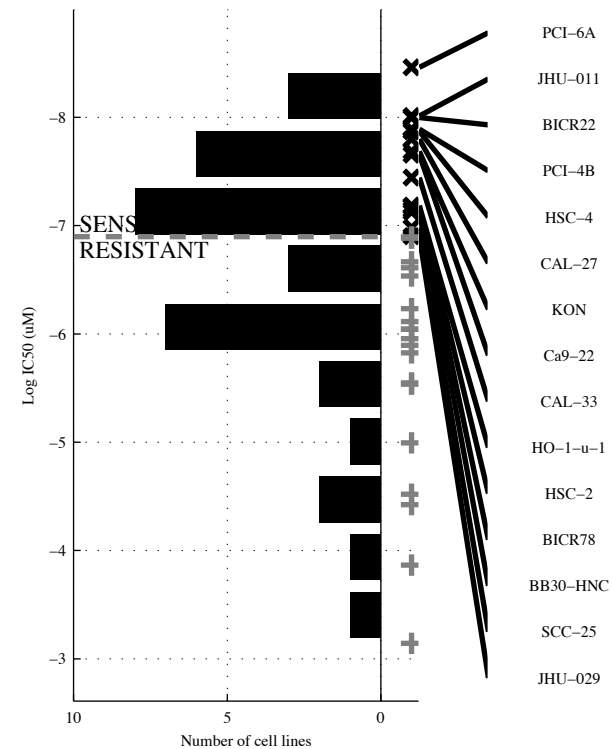


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>SMAD4</b>	<b>~d(MED&amp;d(FAT1</b>	<b>d8p23. &amp;a(CCNI&amp;</b> <b>~d2q21.</b>	<b>~NFE2L&amp; d8p23. &amp;</b> <b>~a(CCNI&amp;~d2q21.</b>	<b>ATM   SMAD4</b>	<b>[ d8p23. &amp;d(CDKN]</b> <b> </b> <b>[ SMAD4&amp;dXq21. ]</b>	<b>MYH9   SMAD4  </b>	<b>MYH9   SMAD4  </b> <b> </b>
TP   FP	2   2	4   5	3   4	3   2	3   2	3   5	3   2	3   2
Specificity	0.93	0.83	0.86	0.93	0.93	0.83	0.93	0.93
FN   TN	3   27	1   24	2   25	2   27	2   27	2   24	2   27	2   27
Precision	0.5	0.44	0.43	0.6	0.6	0.38	0.6	0.6
Recall	0.4	0.8	0.6	0.6	0.6	0.6	0.6	0.6

HNSC  
 id: 1007 name: Docetaxel  
 target: Microtubules class: cytoskeleton

34 cell lines  
 15 sensitive

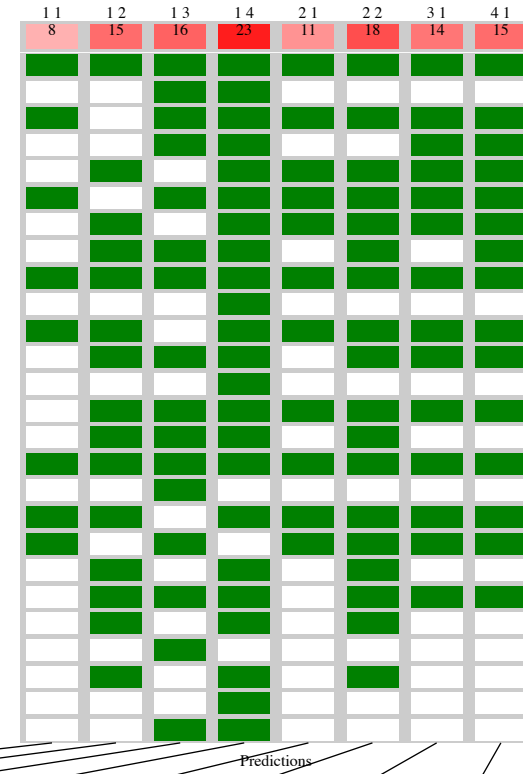
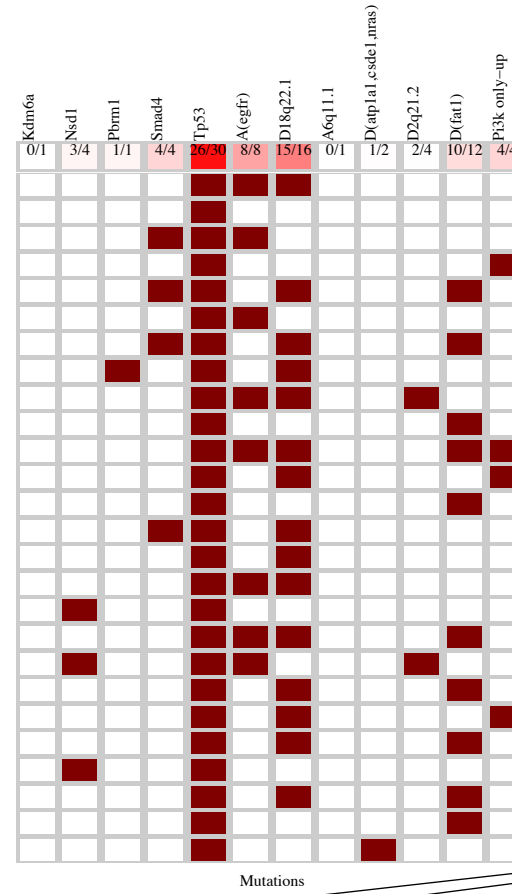
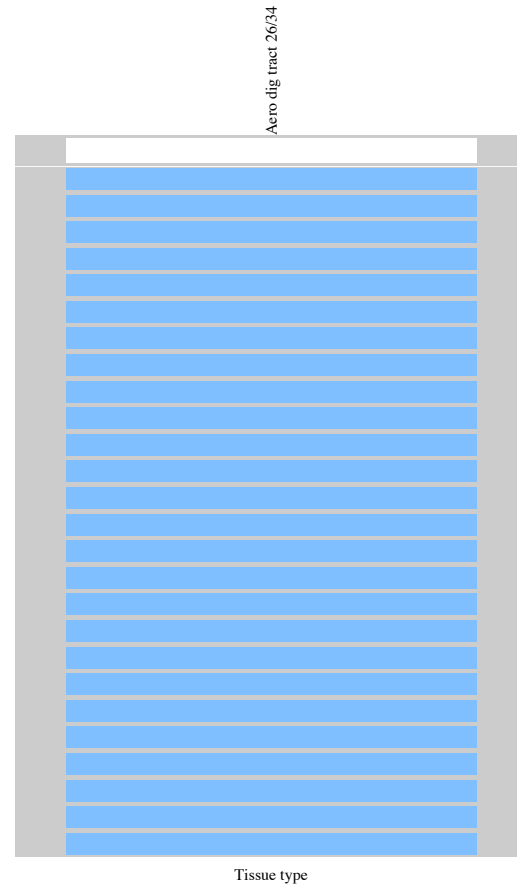
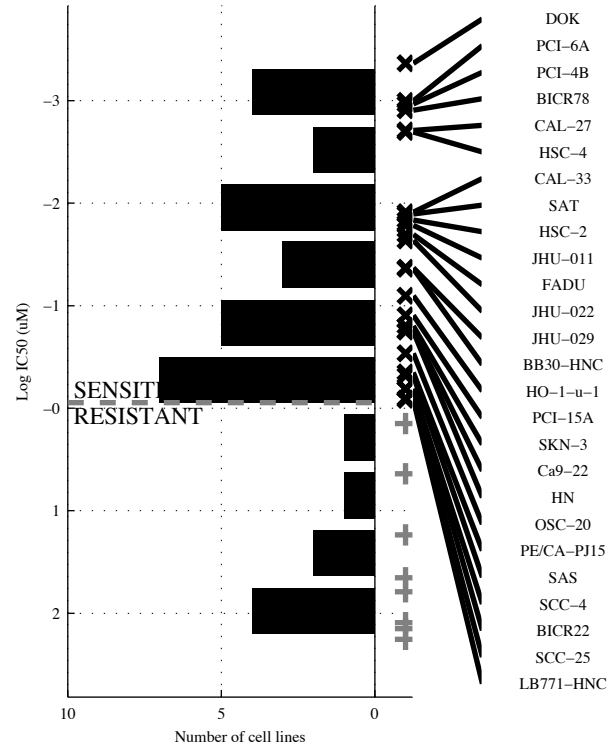
Aero dig tract 15/34



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>SMAD4</b>	<b>d8p23. &amp; dXq21.</b>	<b>-NFE2L &amp; -NSD1 &amp; d8p23.</b>	<b>-NFE2L &amp; -NSD1 &amp; d8p23. &amp; -PI3K o</b>	<b>MYH9   SMAD4</b>	<b>[ d8p23. &amp; dXq21. ]   [NOTCH &amp; (EGFR)]</b>	<b>KDM6A   MYH9   SMAD4</b>	<b>ATM   KDM6A   SMAD4   MAPK o</b>
TP   FP Specificity FN   TN Precision Recall	4   0 1 11   19 1 0.27	5   2 0.89 10   17 0.71 0.33	8   3 0.84 7   16 0.73 0.53	8   1 0.95 7   18 0.89 0.53	5   0 1 10   19 1 0.33	9   3 0.84 6   16 0.75 0.6	6   0 1 9   19 1 0.4	7   0 1 8   19 1 0.47

HNSC  
 id: 1010 name: Gefitinib  
 target: EGFR class: EGFR signaling

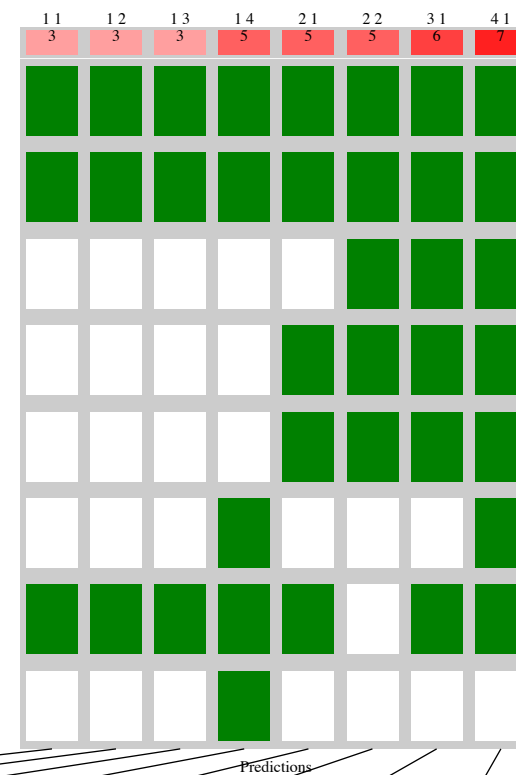
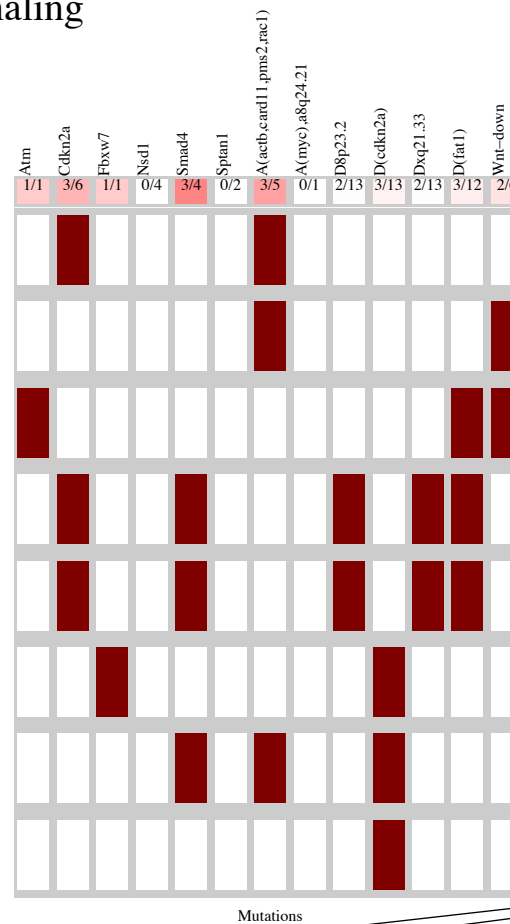
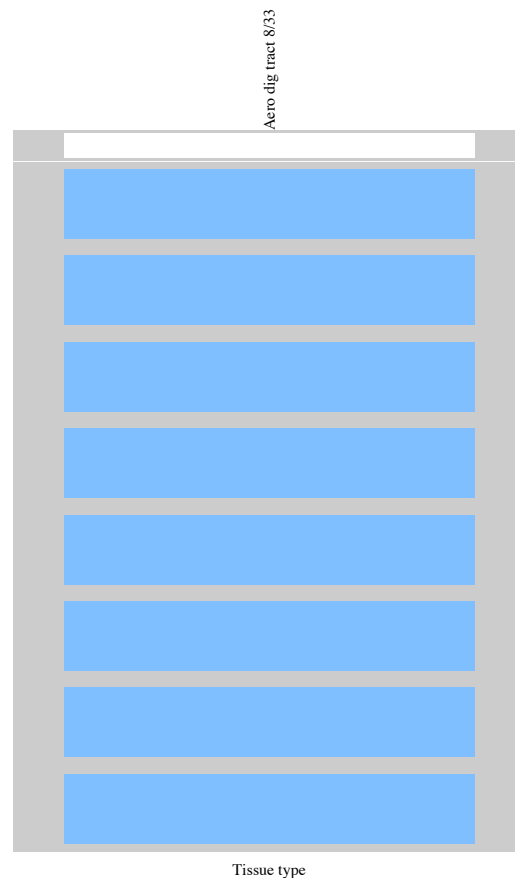
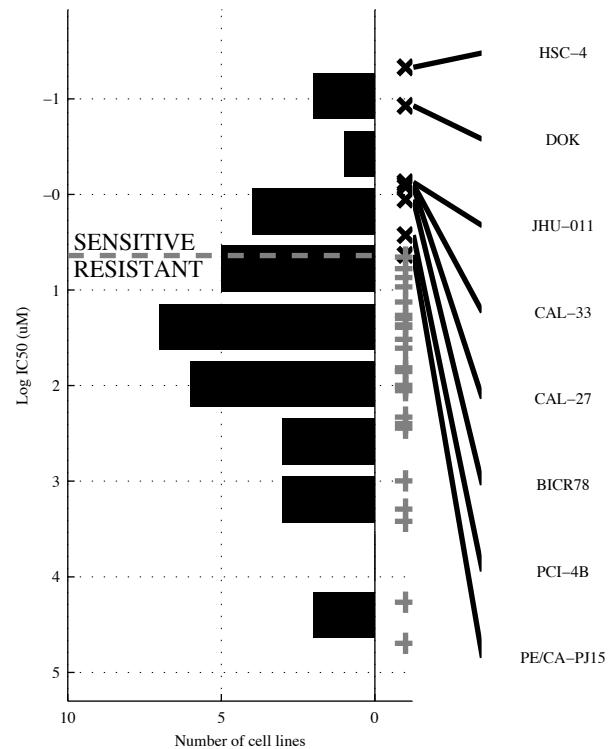
34 cell lines  
 26 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a(EGFR)</b>	<b>d18q22 &amp; ~d(ATP1)</b>	<b>~KDM6 &amp; TP53 &amp; ~d(FAT1)</b>	<b>~KDM6 &amp; ~NSD1 &amp; TP53 &amp; ~a6q11.</b>	<b>SMAD4   a(EGFR)</b>	<b>[ TP53 &amp; a(EGFR)   [ d18q22 &amp; ~d2q21.] ]</b>	<b>SMAD4   a(EGFR)   PI3K o</b>	<b>PBRM1   SMAD4   a(EGFR)   PI3K o</b>
TP   FP	8   0	15   0	16   1	23   1	11   0	18   0	14   0	15   0
Specificity	1	1	0.88	0.88	1	1	1	1
FN   TN	18   8	11   8	10   7	3   7	15   8	8   8	12   8	11   8
Precision	1	1	0.94	0.96	1	1	1	1
Recall	0.31	0.58	0.62	0.88	0.42	0.69	0.54	0.58

HNSC  
 id: 1015 name: CI-1040  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

33 cell lines  
 8 sensitive

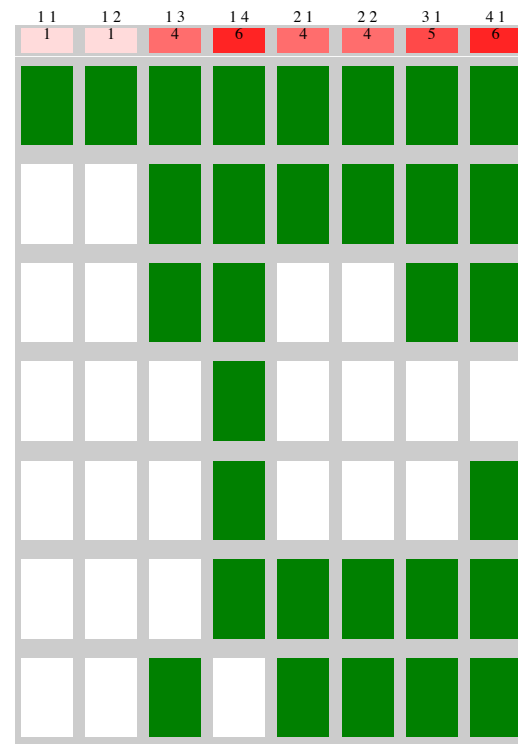
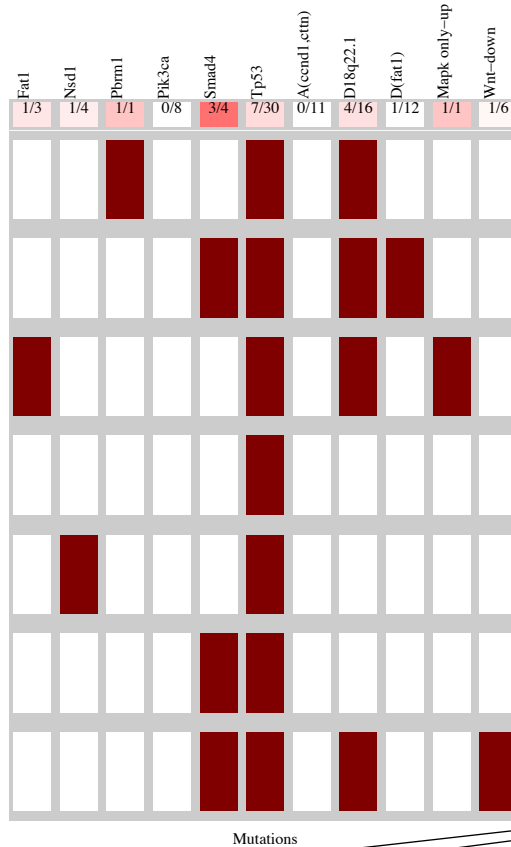
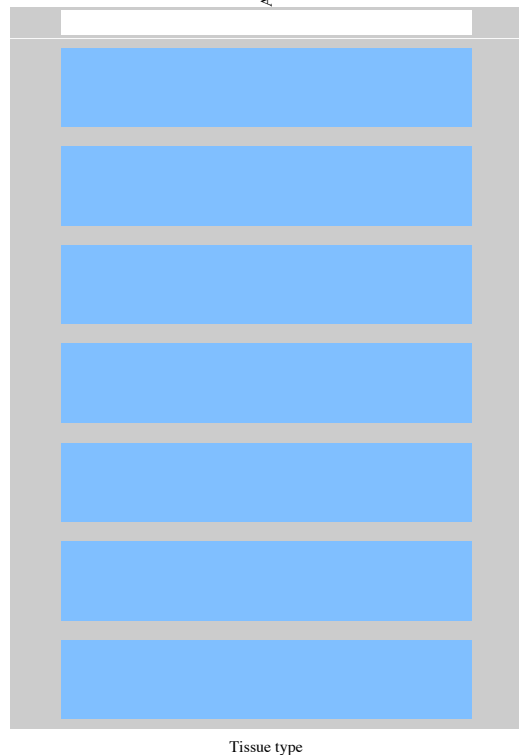
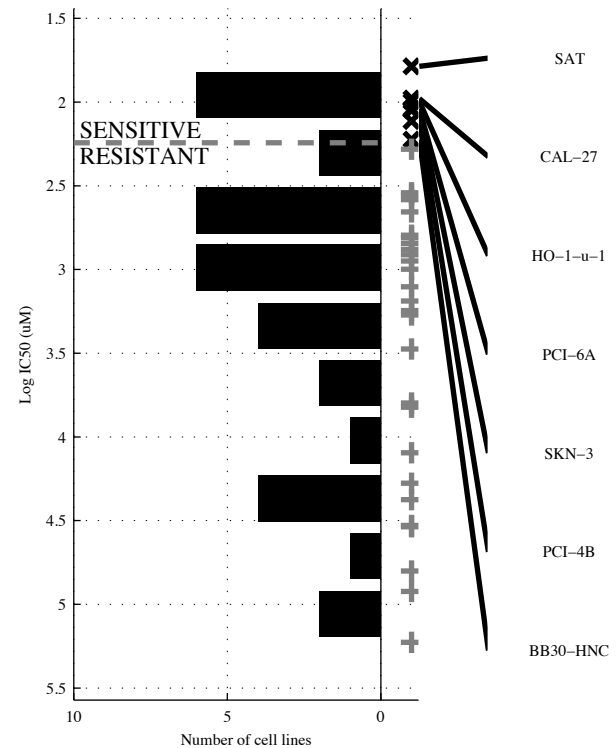


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>a(ACTB)</b>	<b>a(ACTB &amp; ¬dXq21.)</b>	<b>¬NSD1 &amp; a(ACTB &amp; ¬dXq21.)</b>	<b>¬a(MYC &amp; ¬d8p23.2) &amp; ¬dXq21 &amp; ¬d(FAT1)</b>	<b>SMAD4   a(ACTB)</b>	<b>[CDKN2A &amp; SPTAN1]   [¬d(CDKN2A) &amp; Wnt-DO]</b>	<b>ATM   SMAD4   a(ACTB)</b>	<b>ATM   FBXW7   SMAD4   a(ACTB)</b>
TP   FP Specificity	3   2 0.92	3   0 1	3   0 1	5   3 0.88	5   3 0.88	5   2 0.92	6   3 0.88	7   3 0.88
FN   TN Precision	5   23 0.6	5   25 1	5   25 1	3   22 0.63	3   22 0.63	3   23 0.71	2   22 0.67	1   22 0.7
Recall	0.38	0.38	0.38	0.63	0.63	0.63	0.75	0.88

HNSC  
 id: 1017 name: Olaparib  
 target: PARP1, PARP2 class: Genome integrity

34 cell lines  
 7 sensitive

Aero dig tract 7/34



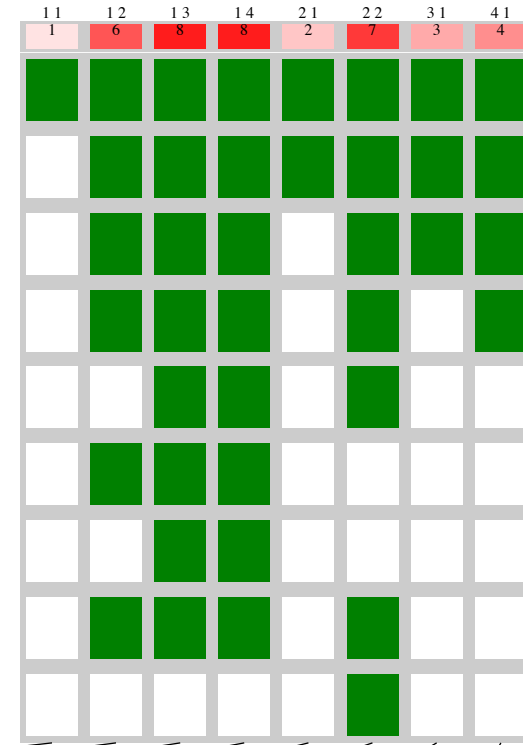
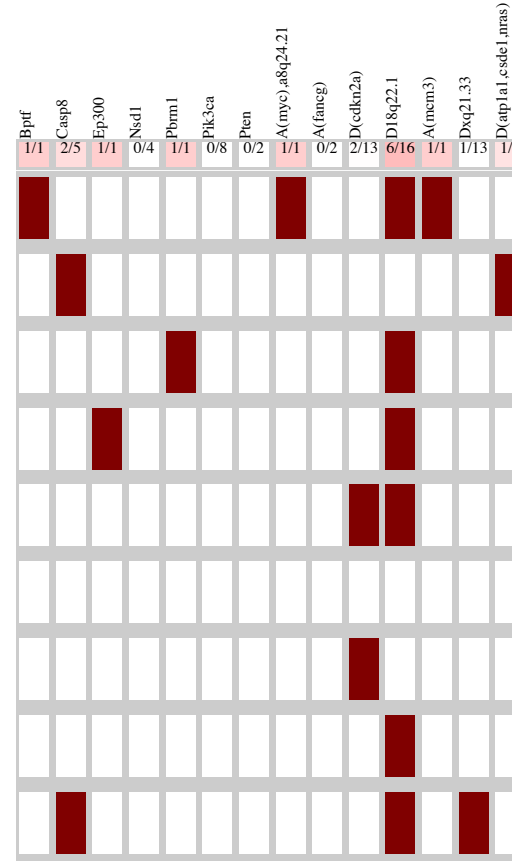
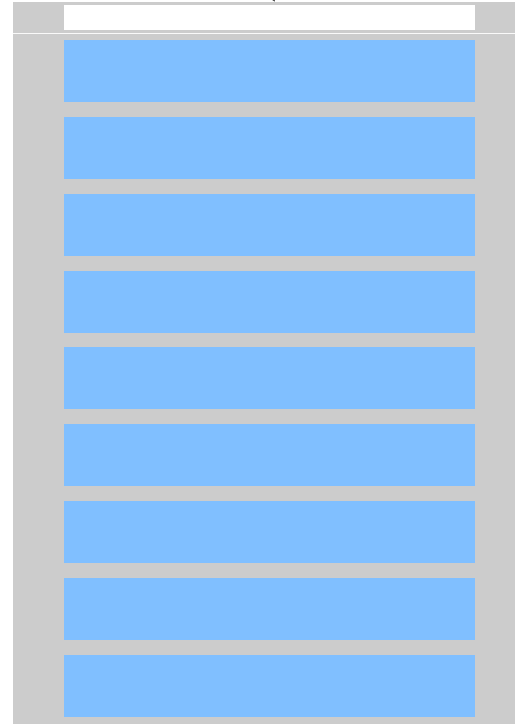
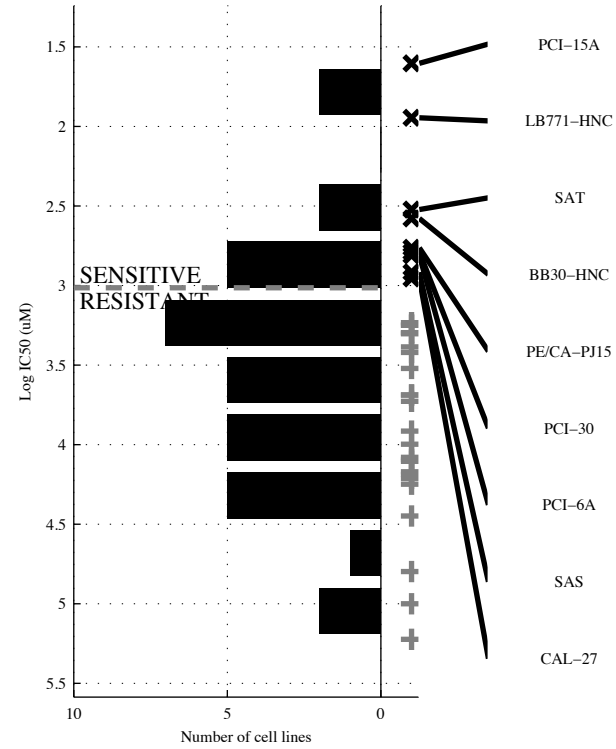
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>PBRM1</b>	<b>PBRM1 &amp;</b>	<b>-PIK3CA &amp; a(CCNI &amp;</b>	<b>-PIK3CA &amp; TP53 &amp;</b> <b>-a(CCNI &amp; Wnt-DO</b>	<b>PBRM1   SMAD4</b>	<b>[ -FAT1 &amp; SMAD4 ]</b> <b> </b> <b>[ PBRM1 &amp; d(FAT1]</b>	<b>PBRM1   SMAD4  </b> <b>MAPK o</b>	<b>NSD1   PBRM1  </b> <b>SMAD4   MAPK o</b>
TP   FP	1   0	1   0	4   3	6   5	4   1	4   0	5   1	6   4
Specificity	1	1	0.89	0.81	0.96	1	0.96	0.85
FN   TN	6   27	6   27	3   24	1   22	3   26	3   27	2   26	1   23
Precision	1	1	0.57	0.55	0.8	1	0.83	0.6
Recall	0.14	0.14	0.57	0.86	0.57	0.57	0.71	0.86



HNSC  
 id: 1018 name: ABT-888  
 target: PARP1, PARP2 class: Genome integrity

34 cell lines  
 9 sensitive

Aero dig tract 9/34

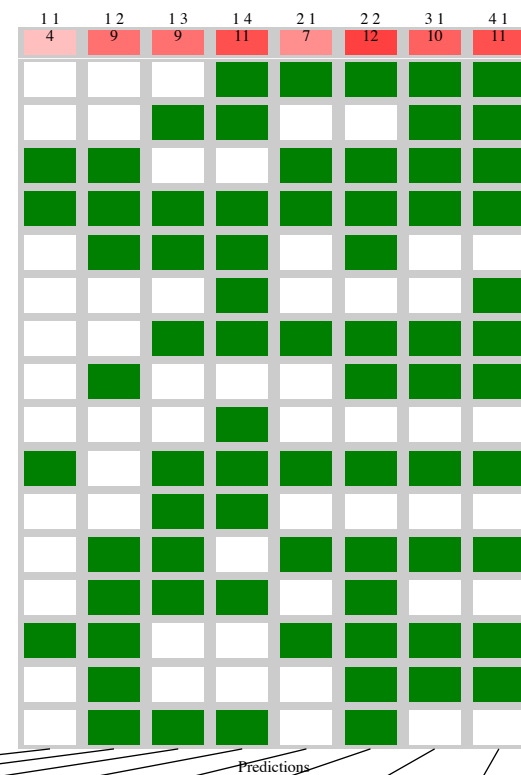
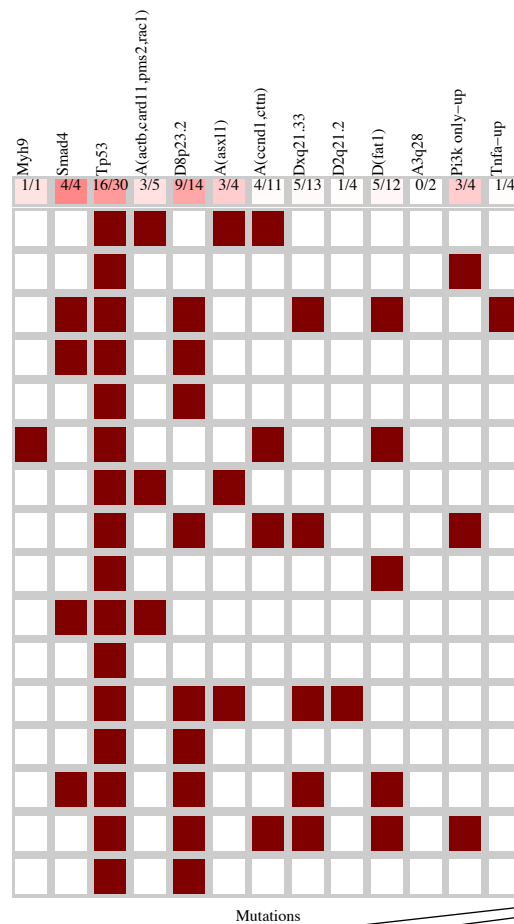
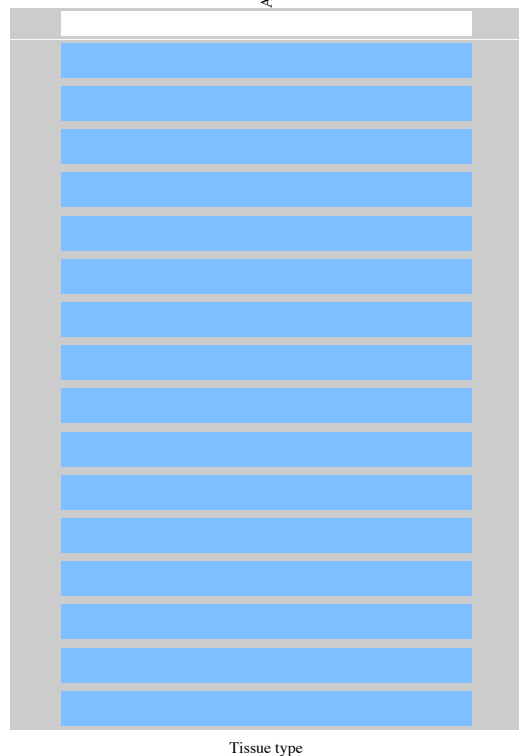
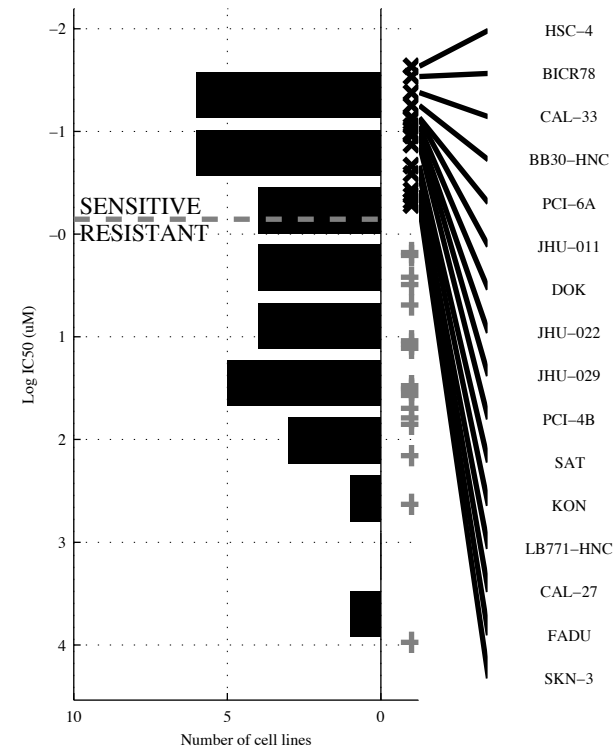


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>a(MCM3)</b>	<b>~d(CDK1) &amp; ~dXq21.</b>	<b>~NSD1 &amp; PIK3CA &amp; ~dXq21.</b>	<b>~PIK3CA &amp; ~PTEN &amp; ~a(FANCD1) &amp; ~dXq21.</b>	<b>a(MYC)   d(ATP1)</b>	<b>[ d18q22 &amp; ~dXq21. ]   [ CASP8 &amp; PIK3CA ]</b>	<b>PBRM1   a(MYC)   d(ATP1)</b>	<b>BPTF   EP300   PBRM1   d(ATP1)</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{8} \mid \frac{0}{25}$ 1 0.11	$\frac{6}{3} \mid \frac{5}{20}$ 0.8 0.55 0.67	$\frac{8}{1} \mid \frac{5}{20}$ 0.8 0.62 0.89	$\frac{8}{1} \mid \frac{5}{20}$ 0.8 0.62 0.89	$\frac{2}{7} \mid \frac{1}{24}$ 0.96 0.67 0.22	$\frac{7}{2} \mid \frac{3}{22}$ 0.88 0.7 0.78	$\frac{3}{6} \mid \frac{1}{24}$ 0.96 0.75 0.33	$\frac{4}{5} \mid \frac{1}{24}$ 0.96 0.8 0.44

HNSC  
 id: 1019 name: Bosutinib  
 target: SRC, ABL, TEC class: ABL signaling

34 cell lines  
 16 sensitive

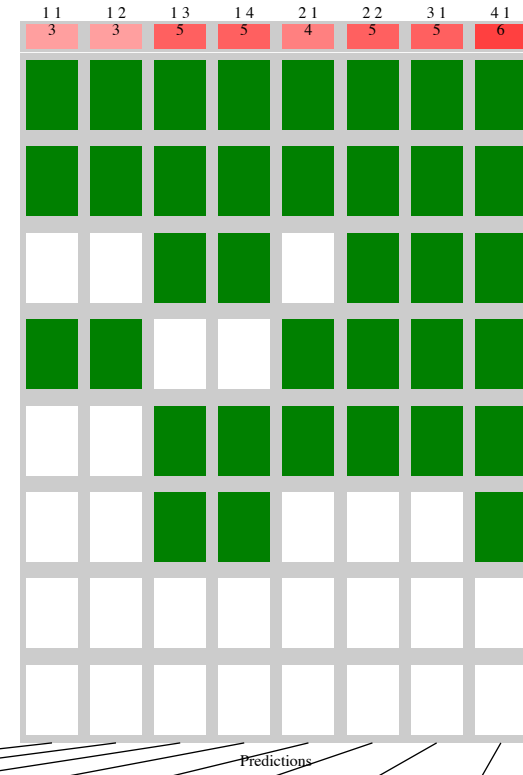
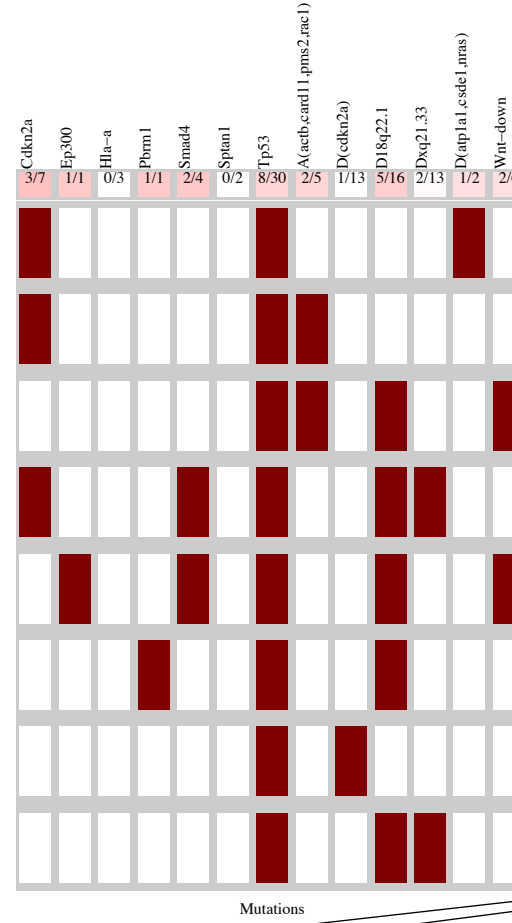
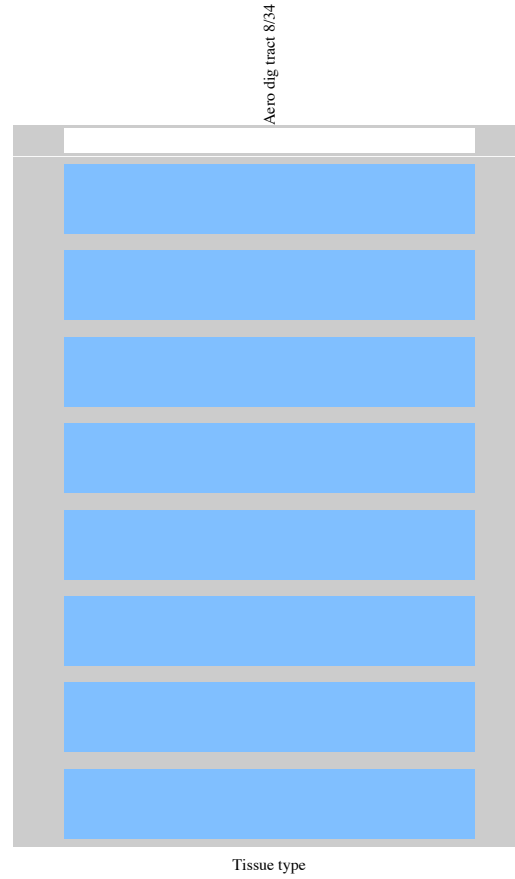
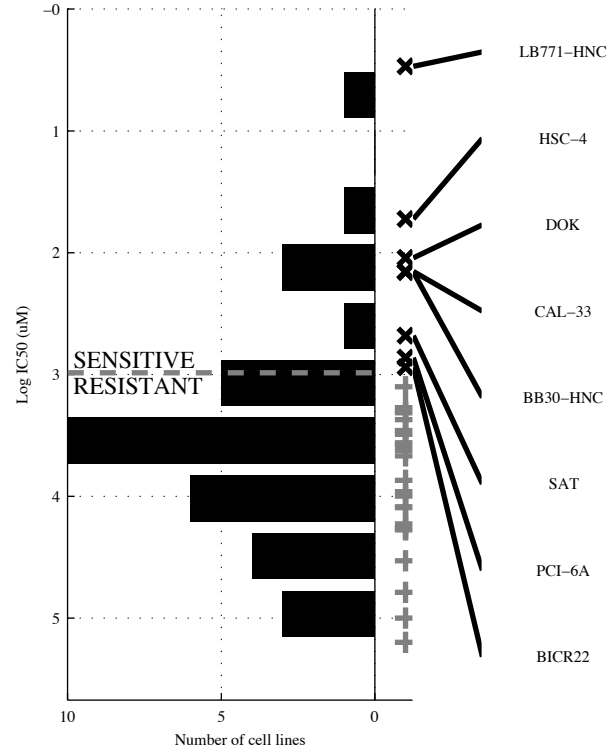
Aero dig tract 16/34



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>SMAD4</b>	<b>TP53 &amp; d8p23.</b>	<b>TP53 &amp; a(CCNI&amp;</b> <b>-d(FAT1</b>	<b>-dXq21&amp;-d2q21.&amp;</b> <b>-a3q28&amp;TNFa-U</b>	<b>SMAD4   a(ASXL</b>	<b>[ TP53 &amp; d8p23. ]</b> <b> </b> <b>[ a(ACTB&amp;-dXq21.]</b>	<b>SMAD4   a(ASXL  </b> <b>PI3K o</b>	<b>MYH9   SMAD4  </b> <b>a(ASXL   PI3K o</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{4}{12} \mid \frac{0}{18}$ 1 0.25	$\frac{9}{7} \mid \frac{3}{15}$ 0.83 0.75 0.56	$\frac{9}{7} \mid \frac{3}{15}$ 0.83 0.75 0.56	$\frac{11}{5} \mid \frac{3}{15}$ 0.83 0.79 0.69	$\frac{7}{9} \mid \frac{1}{17}$ 0.94 0.88 0.44	$\frac{12}{4} \mid \frac{3}{15}$ 0.83 0.8 0.75	$\frac{10}{6} \mid \frac{2}{16}$ 0.89 0.83 0.63	$\frac{11}{5} \mid \frac{2}{16}$ 0.89 0.85 0.69

HNSC  
 id: 1020 name: Lenalidomide  
 target: TNFA class: other

34 cell lines  
 8 sensitive

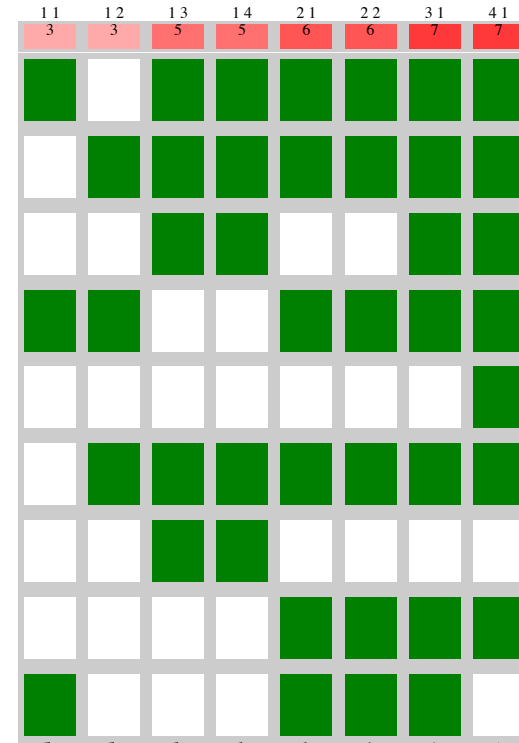
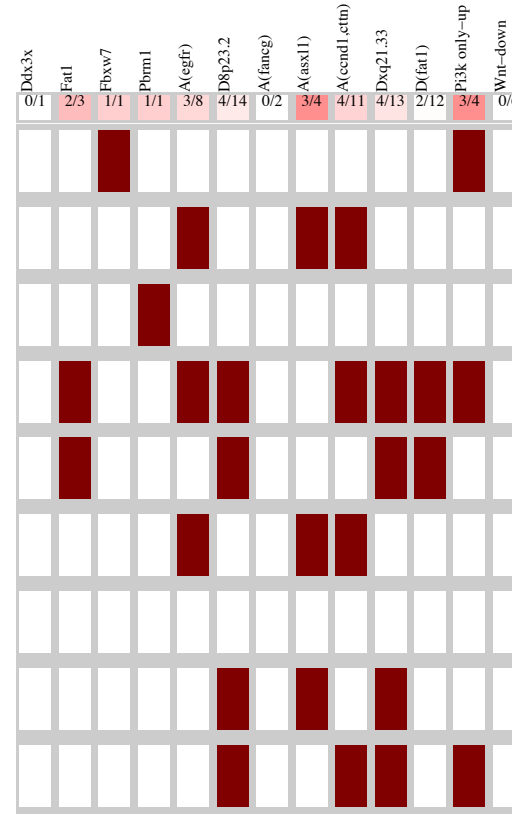
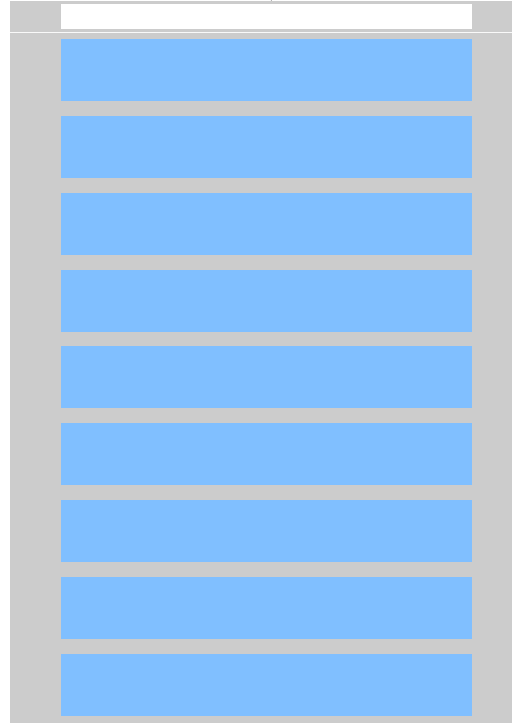
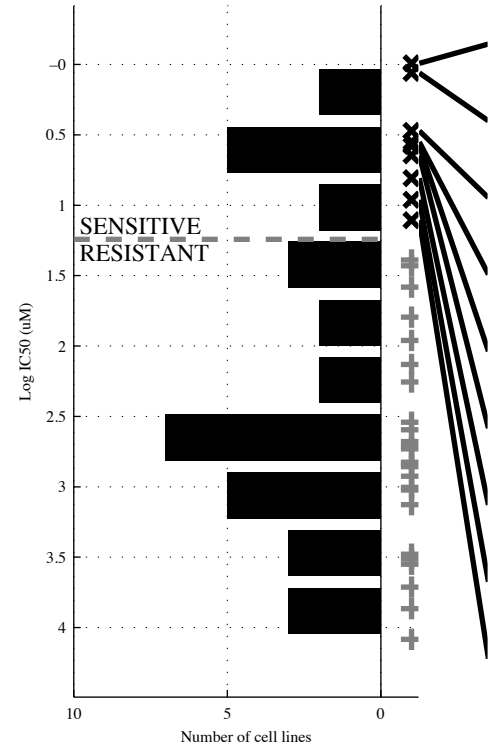


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>CDKN2A</b>	<b>CDKN2A &amp; SPTAN1</b>	<b>TP53 &amp; d(CDKN2A)</b> <b>-dXq21.</b>	<b>-HLA-A &amp; TP53 &amp; -d(CDKN2A) &amp; -dXq21.</b>	<b>CDKN2A   EP300</b>	<b>[ d18q22 &amp; Wnt-DO ]</b> <b> </b> <b>[CDKN2A &amp; SPTAN1]</b>	<b>SMAD4   a(ACTB)   d(ATP1)</b>	<b>PBRM1   SMAD4   a(ACTB)   d(ATP1)</b>
TP   FP	3   4	3   2	5   5	5   3	4   4	5   2	5   5	6   5
Specificity	0.85	0.92	0.81	0.88	0.85	0.92	0.81	0.81
FN   TN	5   22	5   24	3   21	3   23	4   22	3   24	3   21	2   21
Precision	0.43	0.6	0.5	0.63	0.5	0.71	0.5	0.55
Recall	0.38	0.38	0.63	0.63	0.5	0.63	0.63	0.75

HNSC  
 id: 1023 name: GW 441756  
 target: NTRK1 class: RTK signaling

34 cell lines  
 9 sensitive

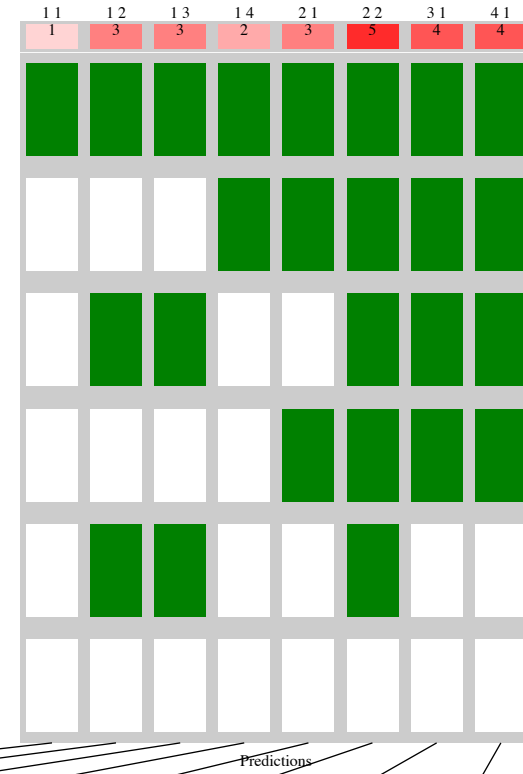
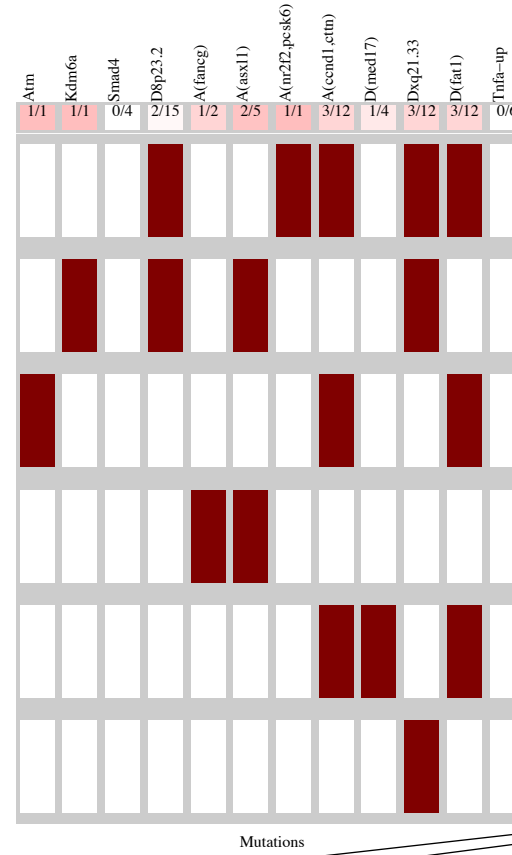
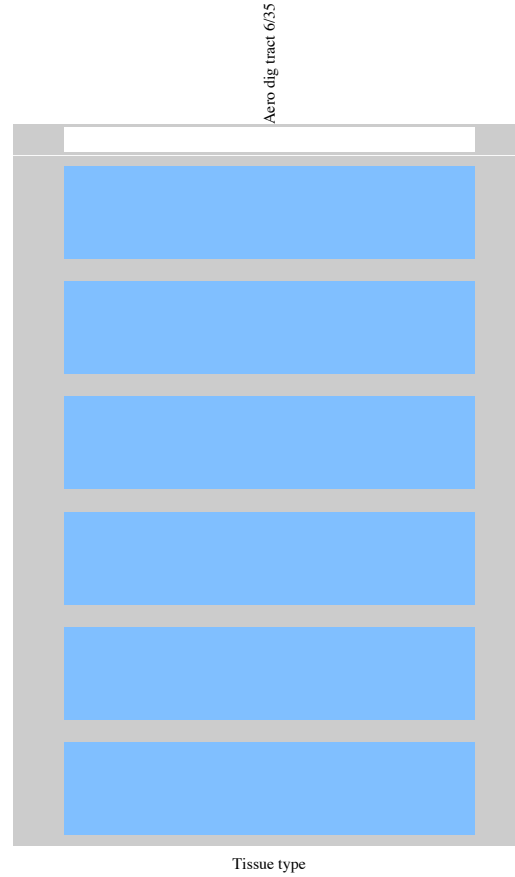
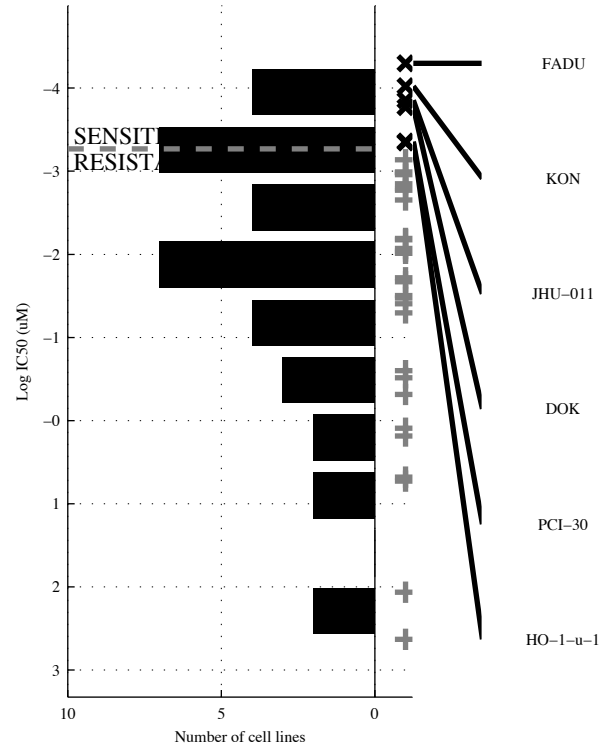
Aero dig tract 9/34



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>PI3K o</b>	<b>a(EGFR&amp;a(CCND</b>	<b>-d8p23.&amp;-dXq21&amp;</b> <b>-d(FAT1</b>	<b>-d8p23.&amp;-dXq21&amp;</b> <b>-d(FAT&amp;Wnt-DO</b>	<b>a(ASXL   PI3K o</b>	<b>[ -DDX3X&amp;PI3K o ]</b> <b> </b> <b>[ -a(FAN&amp;a(ASXL ]</b>	<b>PBRM1   a(ASXL  </b> <b>PI3K o</b>	<b>FAT1   FBXW7  </b> <b>PBRM1   a(ASXL</b>
TP   FP Specificity	3   1 0.96	3   0 1	5   4 0.84	5   2 0.92	6   2 0.92	6   0 1	7   2 0.92	7   2 0.92
FN   TN Precision	6   24 0.75	6   25 1	4   21 0.56	4   23 0.71	3   23 0.75	3   25 1	2   23 0.78	2   23 0.78
Recall	0.33	0.33	0.56	0.56	0.67	0.67	0.78	0.78

HNSC  
 id: 1026 name: 17-AAG  
 target: HSP90 class: other

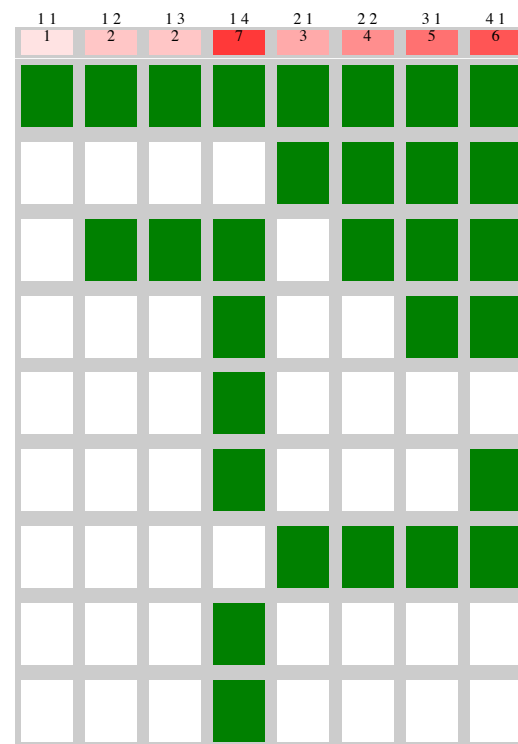
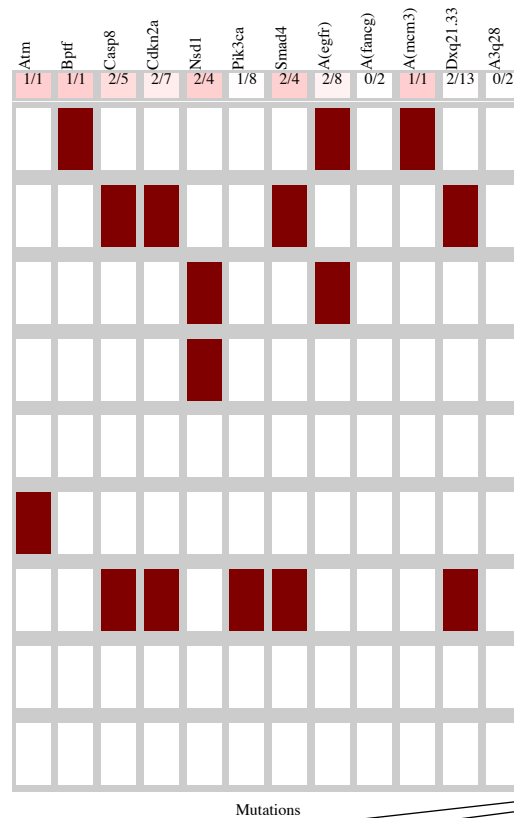
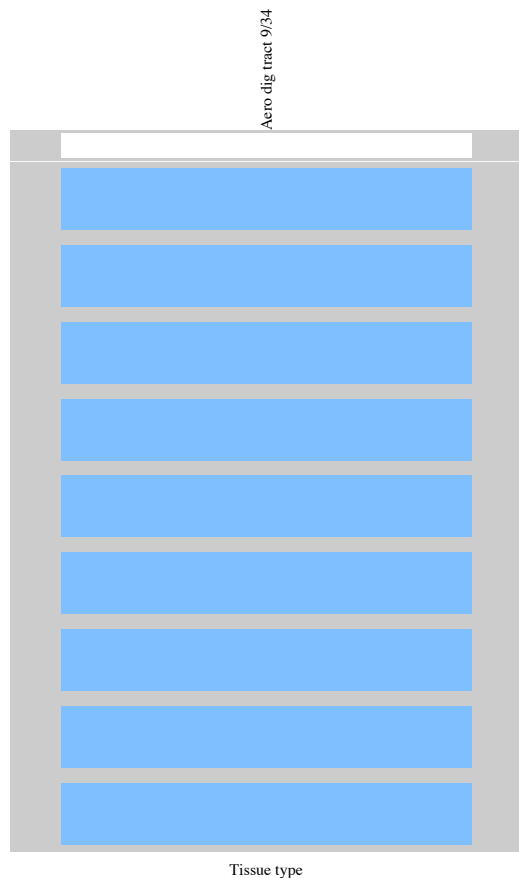
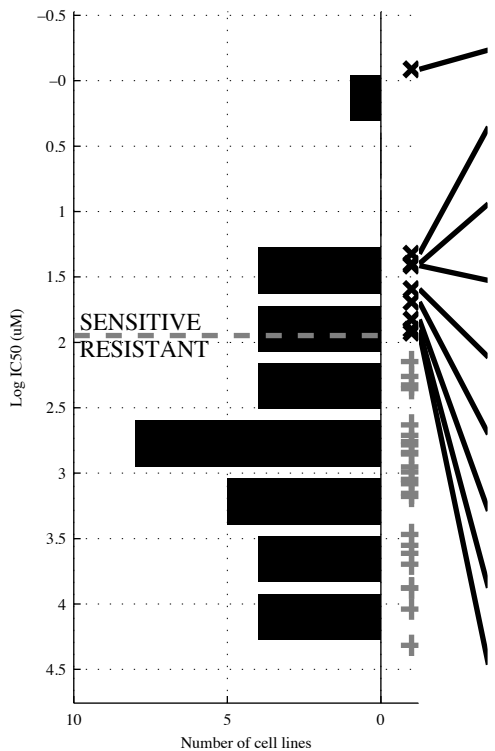
35 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>a(NR2F)</b>	<b>a(CCND&amp;d(FAT1</b>	<b>a(CCND&amp;d(FAT1&amp;</b> <b>-TNFa-U</b>	<b>-SMAD&amp; d8p23. &amp;</b> <b>-d(MED&amp; dXq21.</b>	<b>a(ASXL   a(NR2F</b>	<b>[a(CCND&amp;d(FAT1]</b> <b> </b> <b>[ a(ASXL&amp;a(CCND]</b>	<b>ATM   a(ASXL  </b> <b>a(NR2F</b>	<b>ATM   KDM6A  </b> <b>a(FANC   a(NR2F</b>
TP   FP Specificity	1   0 1	3   2 0.93	3   1 0.97	2   1 0.97	3   3 0.9	5   2 0.93	4   3 0.9	4   1 0.97
FN   TN Precision	5   29 1	3   27 0.6	3   28 0.75	4   28 0.67	3   26 0.5	1   27 0.71	2   26 0.57	2   28 0.8
Recall	0.17	0.5	0.5	0.33	0.5	0.83	0.67	0.67

HNSC  
 id: 1028 name: VX-702  
 target: p38 class: JNK and p38 signaling

34 cell lines  
 9 sensitive

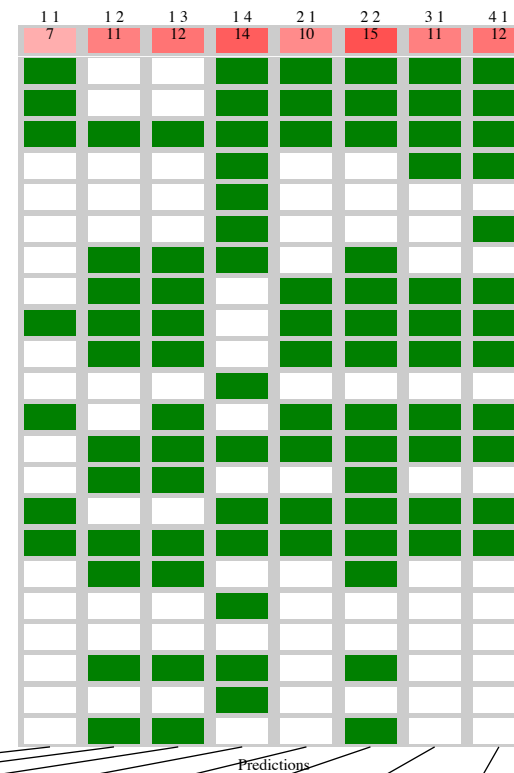
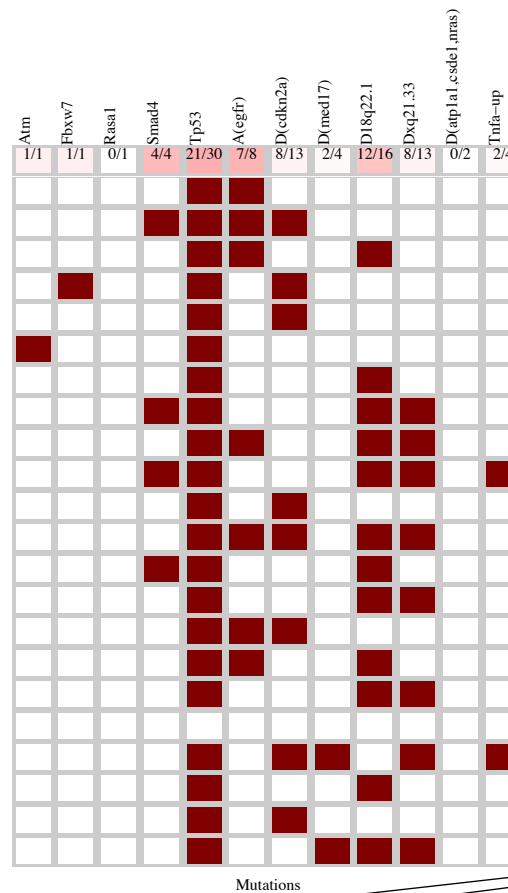
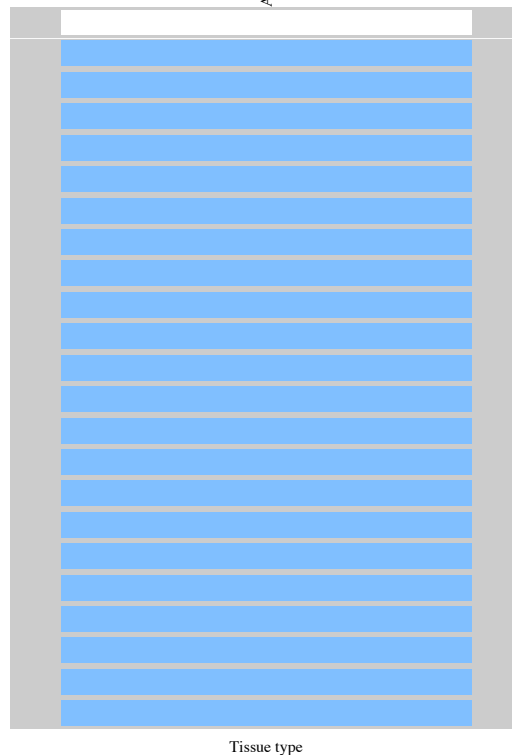
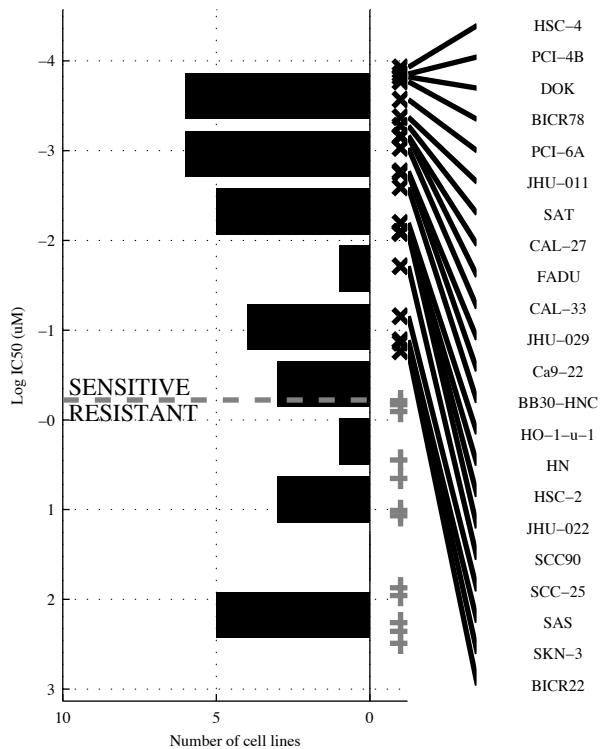


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>a(MCM3)</b>	<b>-CDKN2a &amp; a(EGFR)</b>	<b>-CDKN2a &amp; a(EGFR &amp; -dXq21.</b>	<b>-PIK3CA &amp; a(FANG &amp; -dXq21 &amp; -a3q28</b>	<b>BPTF   SMAD4</b>	<b>[CDKN2a &amp; a(EGFR)   [ CASP8 &amp; dXq21. ]</b>	<b>NSD1   SMAD4   a(MCM3)</b>	<b>ATM   NSD1   SMAD4 la(MCM3)</b>
TP   FP Specificity	1   0 1	2   3 0.88	2   2 0.92	7   5 0.8	3   2 0.92	4   3 0.88	5   4 0.84	6   4 0.84
FN   TN Precision	8   25 1	7   22 0.4	7   23 0.5	2   20 0.58	6   23 0.6	5   22 0.57	4   21 0.56	3   21 0.6
Recall	0.11	0.22	0.22	0.78	0.33	0.44	0.56	0.67

HNSC  
 id: 1032 name: Afatinib  
 target: ERBB2, EGFR class: EGFR signaling

34 cell lines  
 22 sensitive

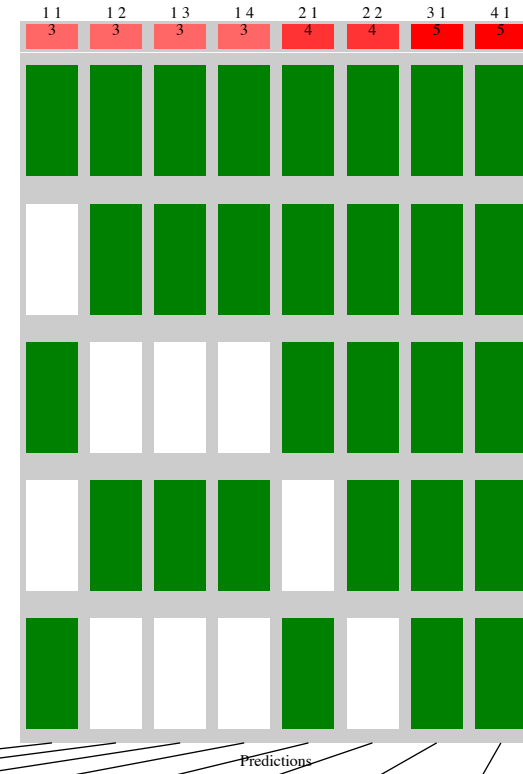
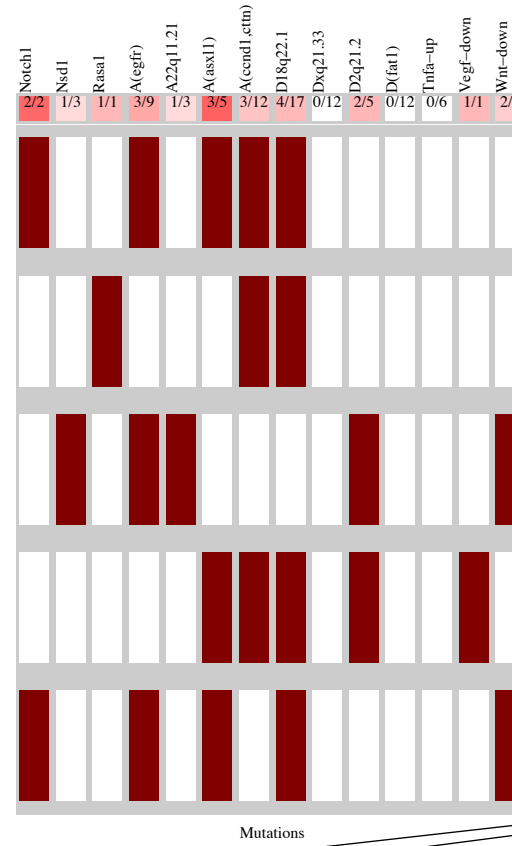
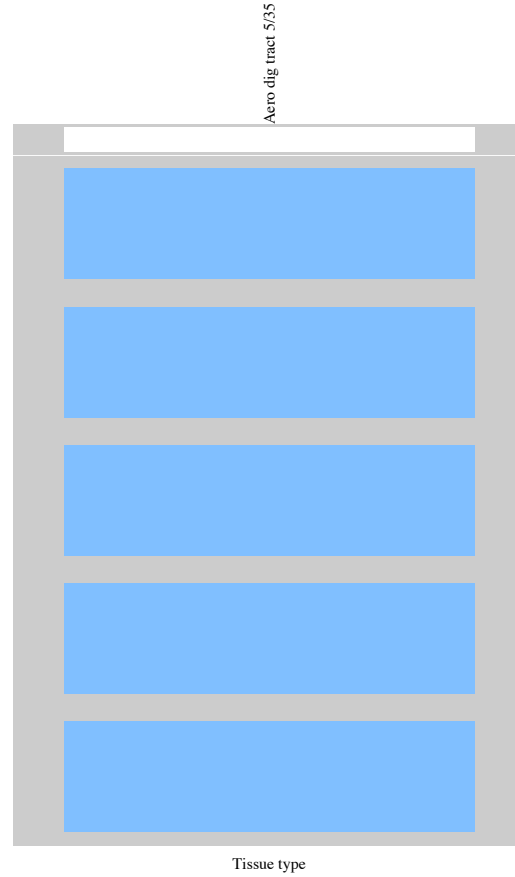
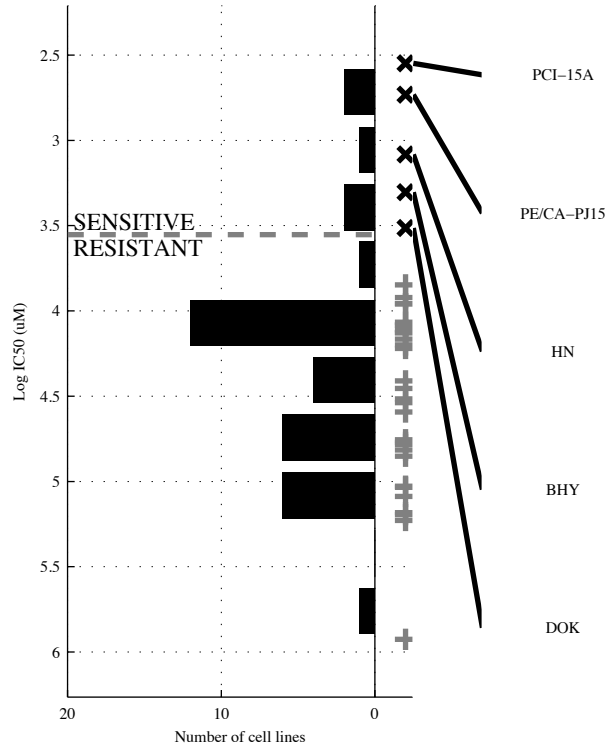
Aero dig tract 22/34



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a(EGFR)</b>	<b>-d(CDKN2A &amp; d18q22)</b>	<b>-RASA1 &amp; TP53 &amp; d18q22</b>	<b>-d(MED17 &amp; dXQ21 &amp; -d(ATP &amp; TNFA-U</b>	<b>SMAD4   a(EGFR)</b>	<b>[ -d(CDKN2A &amp; d18q22 )   a(EGFR &amp; ]</b>	<b>FBXW7   SMAD4   a(EGFR)</b>	<b>ATM   FBXW7   SMAD4   a(EGFR)</b>
TP   FP	7   1	11   2	12   2	14   2	10   1	15   2	11   1	12   1
Specificity	0.92	0.83	0.83	0.83	0.92	0.83	0.92	0.92
FN   TN	15   11	11   10	10   10	8   10	12   11	7   10	11   11	10   11
Precision	0.88	0.85	0.86	0.88	0.91	0.88	0.92	0.92
Recall	0.32	0.5	0.55	0.64	0.45	0.68	0.5	0.55

HNSC  
 id: 1039 name: SL 0101-1  
 target: RSK, AURKB, PIM3 class: ERK MAPK signaling

35 cell lines  
 5 sensitive

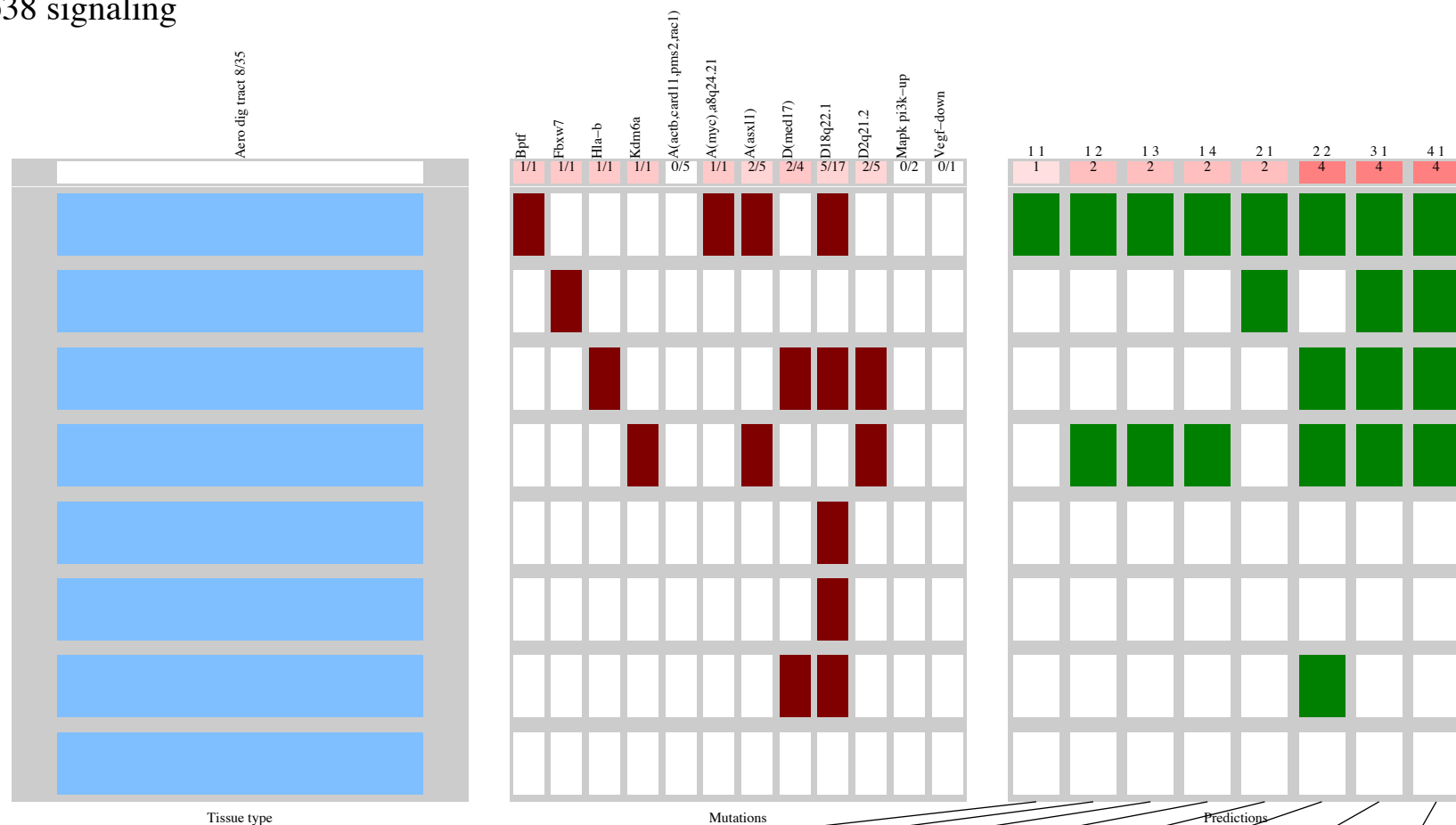
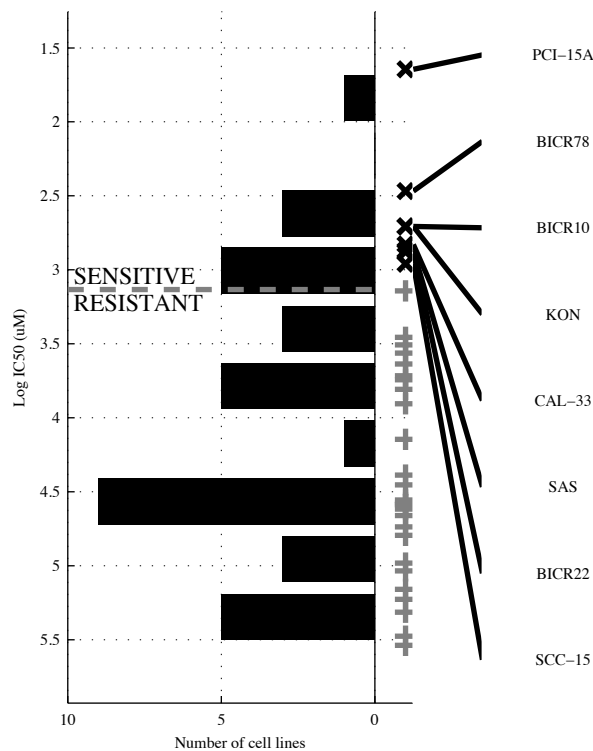


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a(EGFR)</b>	<b>a(CCND&amp;d18q22)</b>	<b>a(CCND&amp;d18q22&amp;-dXq21.</b>	<b>a(CCND&amp;-dXq21&amp;-d(FAT&amp;TNFa-U</b>	<b>RASA1   a(EGFR)</b>	<b>[ d2q21. &amp;Wnt-DO ]   [ a(CCND&amp;d18q22 ) ]</b>	<b>RASA1   a22q11   a(ASXL)</b>	<b>NOTCH1   NSD1   RASA1   VEGF-D</b>
TP   FP	3   6	3   3	3   0	3   0	4   6	4   3	5   3	5   2
Specificity	0.8	0.9	1	1	0.8	0.9	0.9	0.93
FN   TN	2   24	2   27	2   30	2   30	1   24	1   27	0   27	0   28
Precision	0.33	0.5	1	1	0.4	0.57	0.63	0.71
Recall	0.6	0.6	0.6	0.6	0.8	0.8	1	1



HNSC  
 id: 1042 name: BIRB 0796  
 target: p38, JNK2 class: JNK and p38 signaling

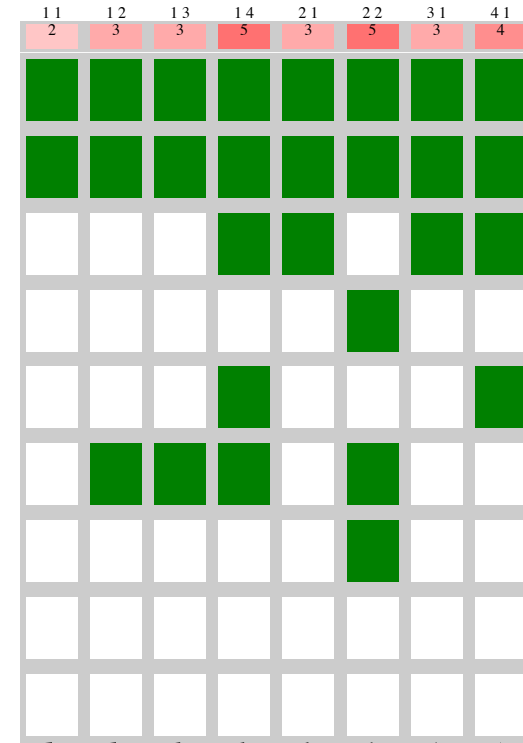
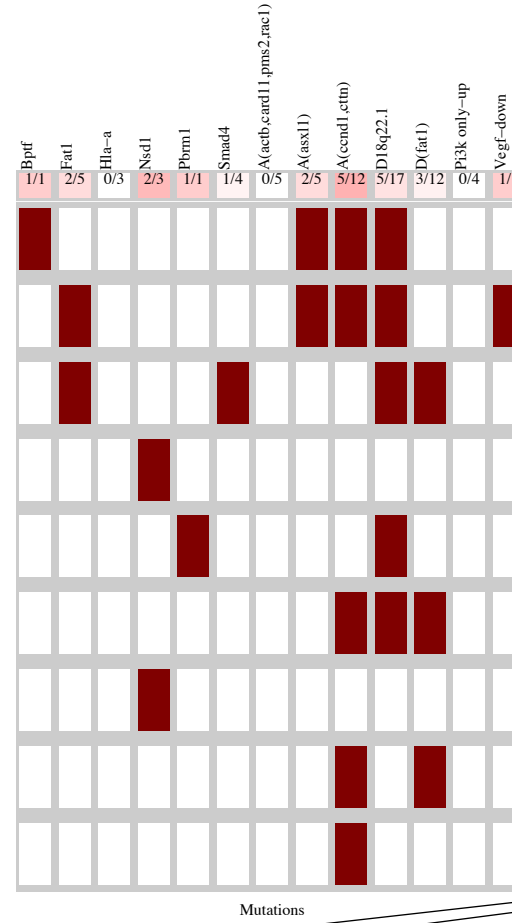
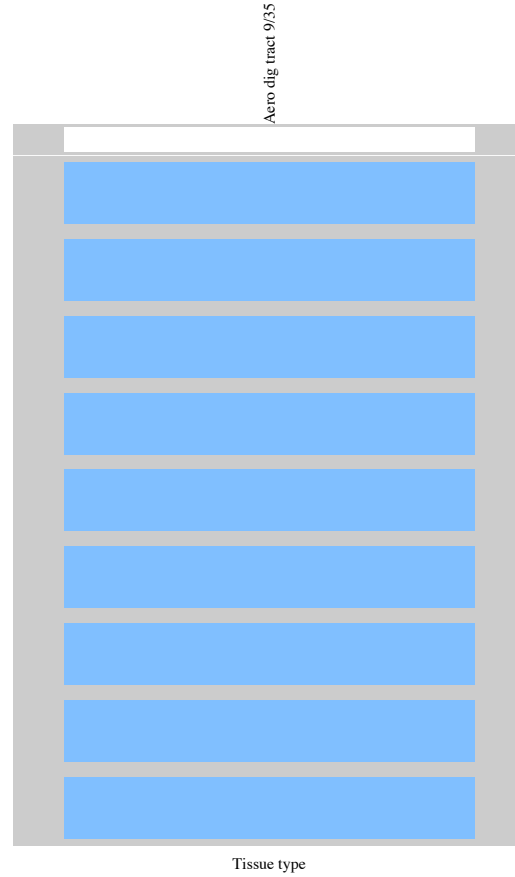
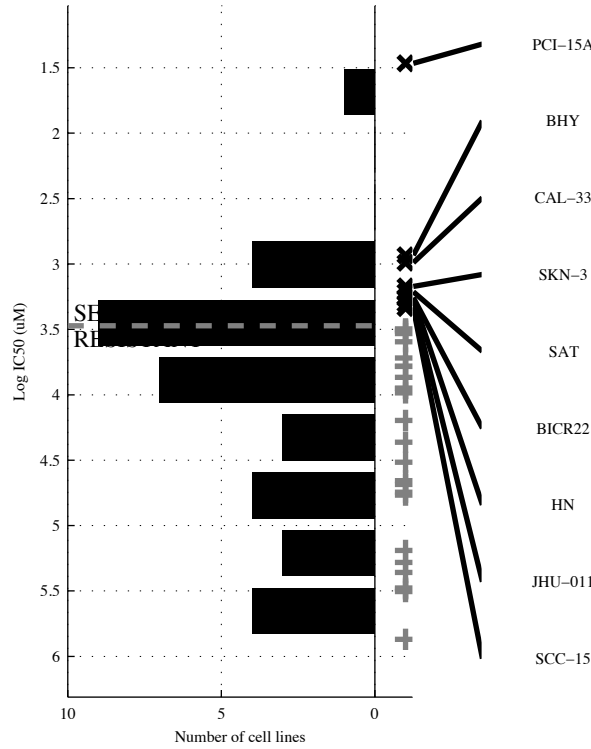
35 cell lines  
 8 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>BPTF</b>	$\neg a(\text{ACTB}) \& a(\text{ASXL1})$	$\neg a(\text{ACTB}) \& a(\text{ASXL1}) \& \neg \text{MAPK P}$	$\neg a(\text{ACTB}) \& a(\text{ASXL1}) \& \neg \text{VEGF-D}$	<b>FBXW7</b>   <b>a(MYC)</b>	[ <b>d(MED1)</b> & <b>d18q22</b> ]   [ $\neg a(\text{ACTB}) \& a(\text{ASXL1})$ ]	<b>BPTF</b>   <b>FBXW7</b>    <b>d2q21.</b>	<b>FBXW7</b>   <b>HLA-B</b>    <b>KDM6A</b>   <b>a(MYC)</b>
TP   FP	1   0	2   1	2   0	2   0	2   0	4   1	4   3	4   0
Specificity	1	0.96	1	1	1	0.96	0.89	1
FN   TN	7   27	6   26	6   27	6   27	6   27	4   26	4   24	4   27
Precision	1	0.67	1	1	1	0.8	0.57	1
Recall	0.13	0.25	0.25	0.25	0.25	0.5	0.5	0.5

HNSC  
 id: 1043 name: JNK Inhibitor VIII  
 target: JNK class: JNK and p38 signaling

35 cell lines  
 9 sensitive

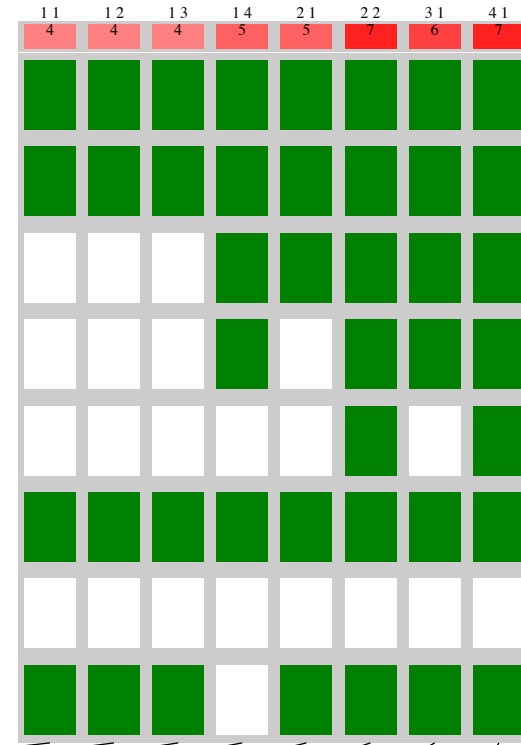
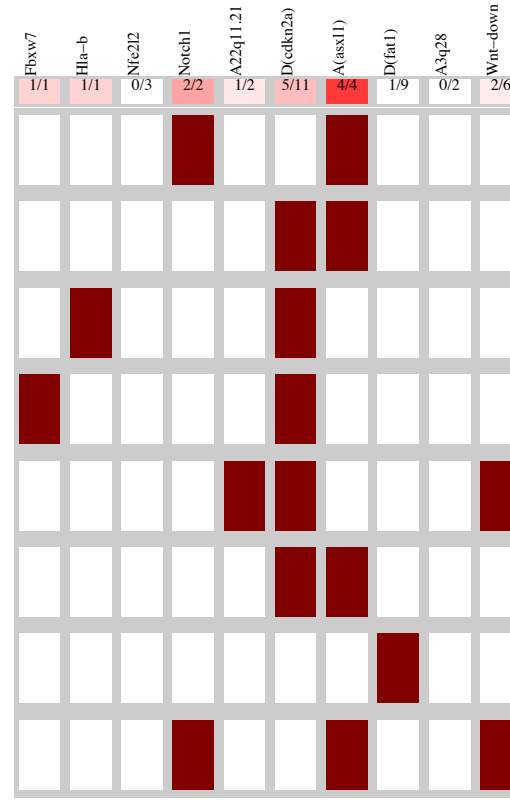
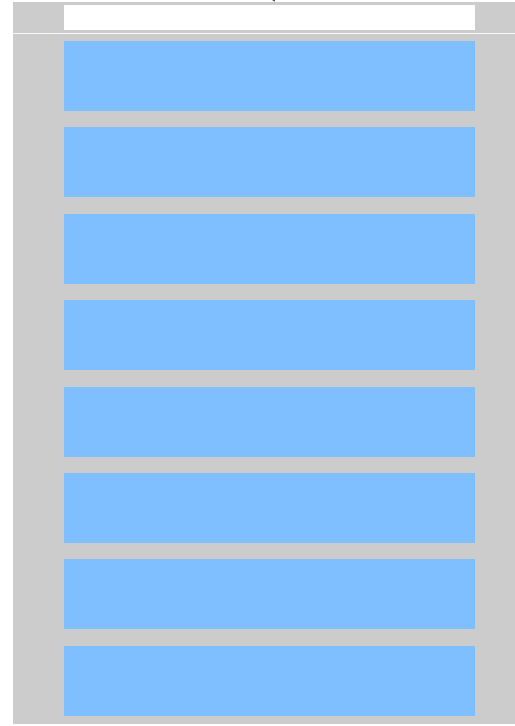
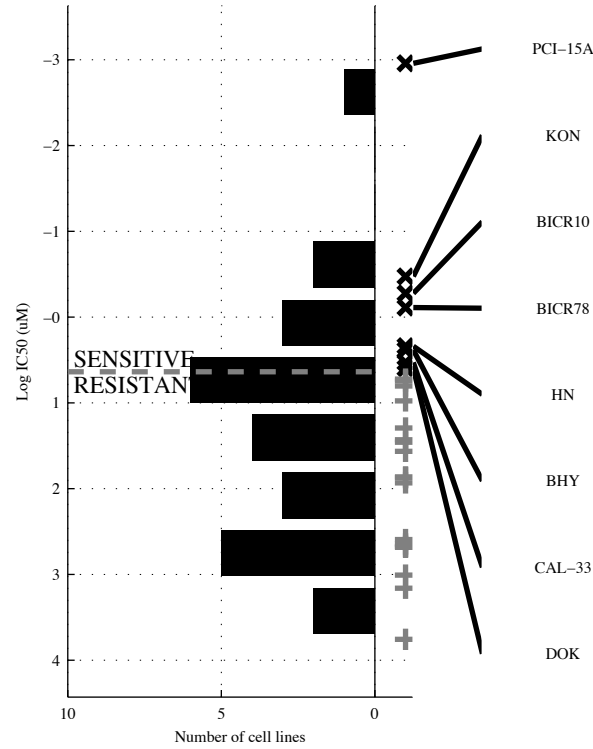


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	a(ASXL)	a(CCND&d18q22	a(CCND&d18q22& -PI3K o	-HLA-A&a(ACTE& d18q22&-PI3K o	BPTF   FAT1	[a(CCND&d18q22 )   [ NSD1 &-d(FAT1]	BPTF   SMAD4   VEGF-D	BPTF   PBRM1   SMAD4 IVEGF-D
TP   FP Specificity	2   3 0.88	3   3 0.88	3   0 1	5   4 0.85	3   3 0.88	5   3 0.88	3   3 0.88	4   3 0.88
FN   TN Precision	7   23 0.4	6   23 0.5	6   26 1	4   22 0.56	6   23 0.5	4   23 0.63	6   23 0.5	5   23 0.57
Recall	0.22	0.33	0.33	0.56	0.33	0.56	0.33	0.44

HNSC  
 id: 1046 name: 681640  
 target: WEE1, CHEK1 class: cell cycle

26 cell lines  
 8 sensitive

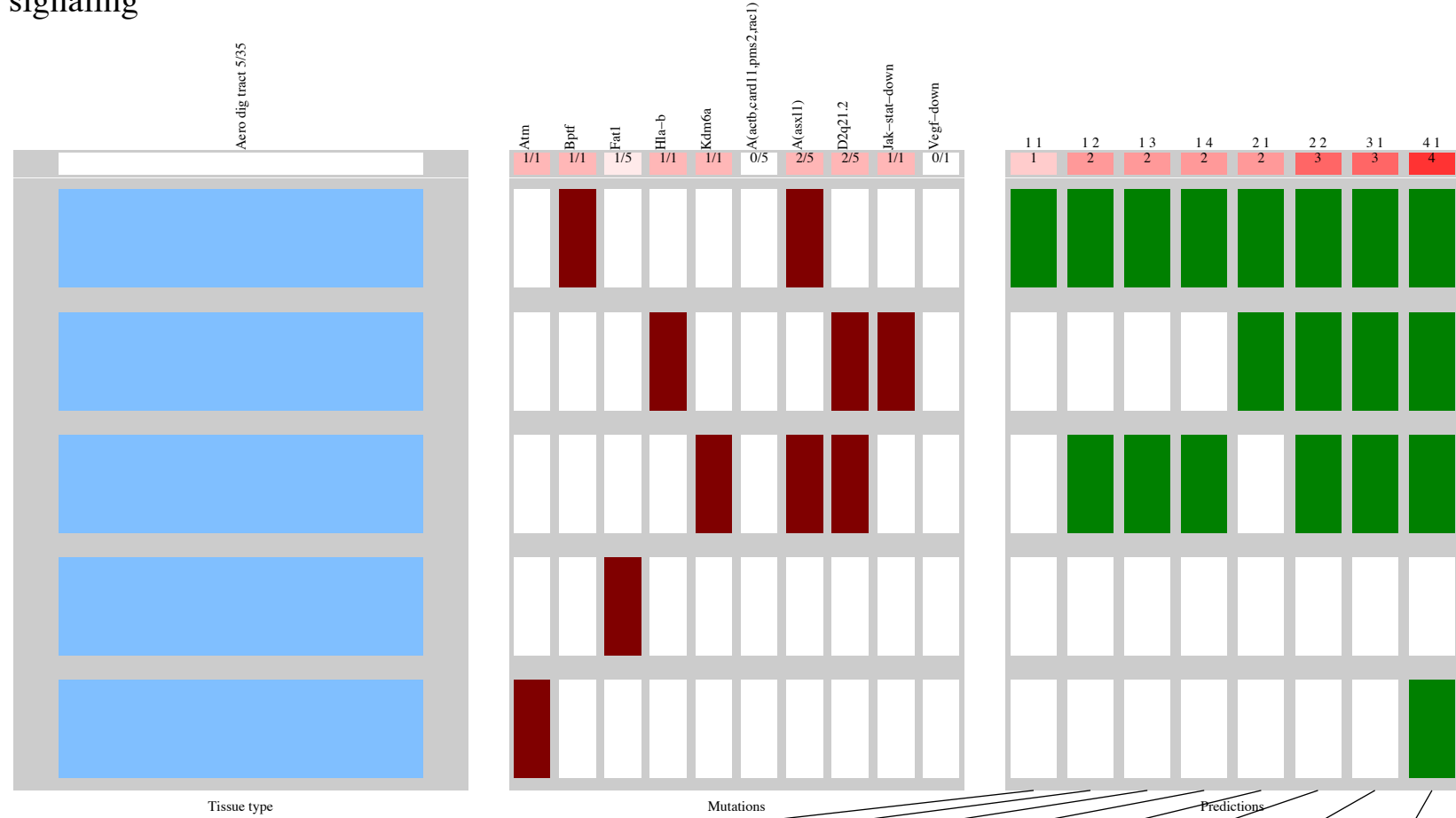
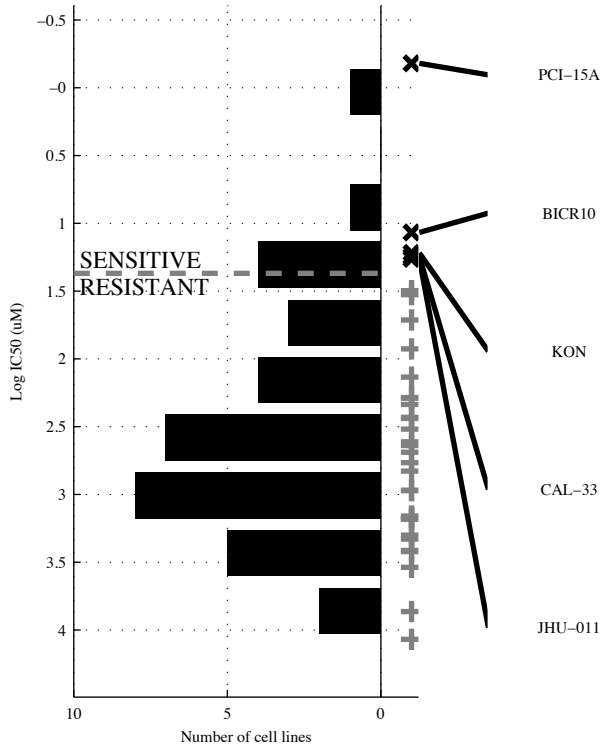
Aero dig tract 8/26



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a(ASXL)</b>	<b>a(ASXL &amp;</b>	<b>a(ASXL &amp; &amp;</b>	<b>-NFE2L &amp; -d(FAT &amp;</b>	<b>HLA-B   a(ASXL</b>	<b>[NOTCH &amp; ]</b>	<b>FBXW7   HLA-B  </b>	<b>FBXW7   HLA-B  </b>
				<b>-a3q28 &amp; Wnt-DO</b>		<b> </b>	<b>a(ASXL</b>	<b>a22q11   a(ASXL</b>
TP   FP	4   0	4   0	4   0	5   3	5   0	7   2	6   0	7   1
Specificity	1	1	1	0.83	1	0.89	1	0.94
FN   TN	4   18	4   18	4   18	3   15	3   18	1   16	2   18	1   17
Precision	1	1	1	0.63	1	0.78	1	0.88
Recall	0.5	0.5	0.5	0.63	0.63	0.88	0.75	0.88

HNSC  
 id: 1049 name: PD-173074  
 target: FGFR1, FGFR3 class: RTK signaling

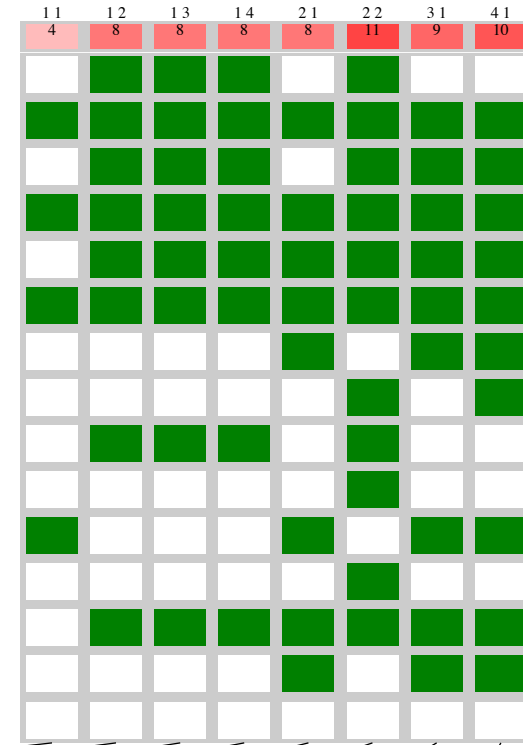
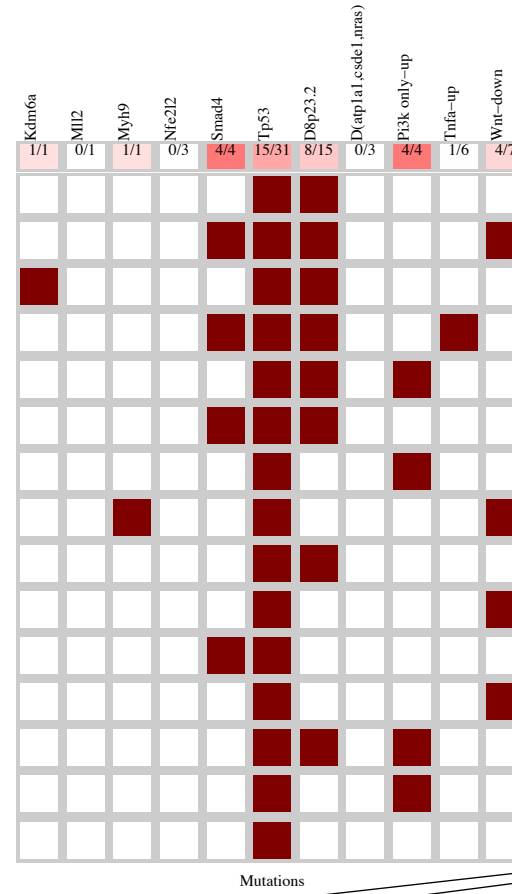
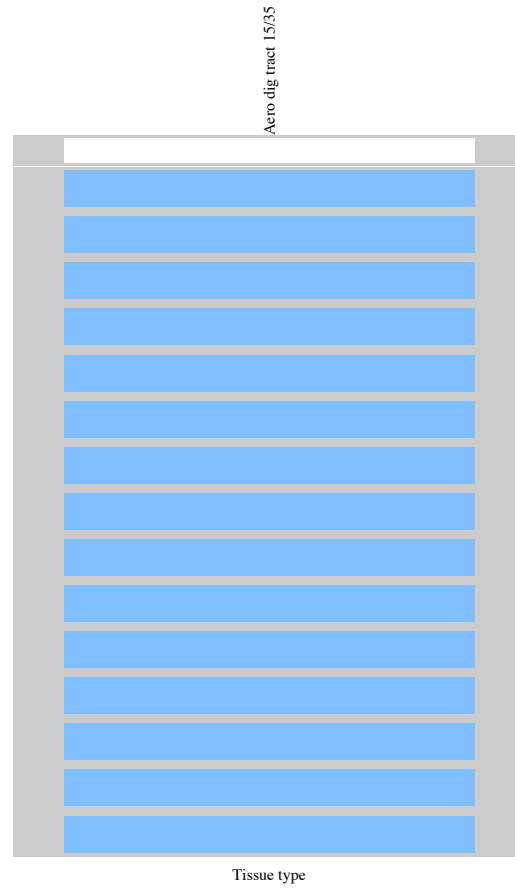
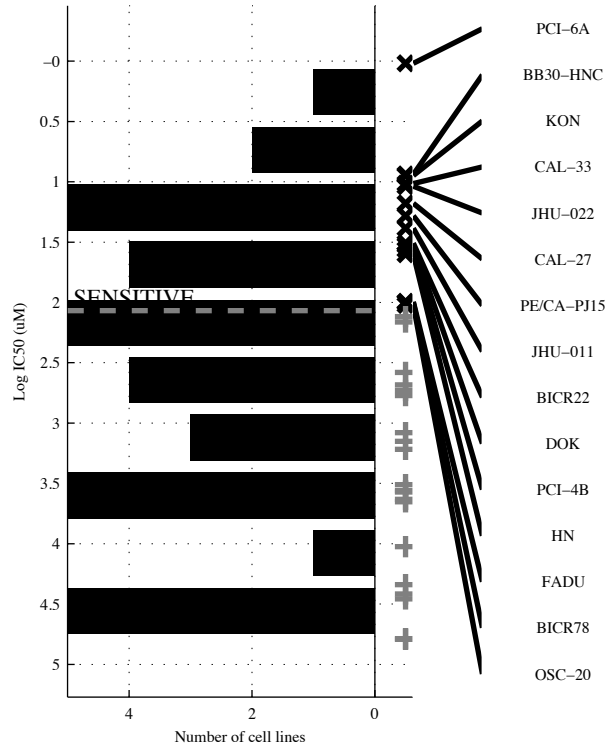
35 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>BPTF</b>	<b>¬FAT1 &amp; (ASXL</b>	<b>¬a(ACT1 &amp; (ASXL &amp;</b>	<b>¬a(ACT1 &amp; (ASXL &amp;</b>	<b>BPTF   HLA-B</b>	<b>[ ¬FAT1 &amp; (ASXL ]</b>   <b>[ d2q21. &amp; JAK-ST ]</b>	<b>BPTF   HLA-B  </b>  <b>KDM6A</b>	<b>ATM   BPTF  </b>  <b>HLA-B   KDM6A</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{4} \mid \frac{0}{30}$ 1 0.2	$\frac{2}{3} \mid \frac{1}{29}$ 0.97 0.67 0.4	$\frac{2}{3} \mid \frac{0}{30}$ 1 0.4	$\frac{2}{3} \mid \frac{0}{30}$ 1 0.4	$\frac{2}{3} \mid \frac{0}{30}$ 1 0.4	$\frac{3}{2} \mid \frac{1}{29}$ 0.97 0.75 0.6	$\frac{3}{2} \mid \frac{0}{30}$ 1 0.6	$\frac{4}{1} \mid \frac{0}{30}$ 1 0.8

HNSC  
 id: 1052 name: RO-3306  
 target: CDK1 class: cell cycle

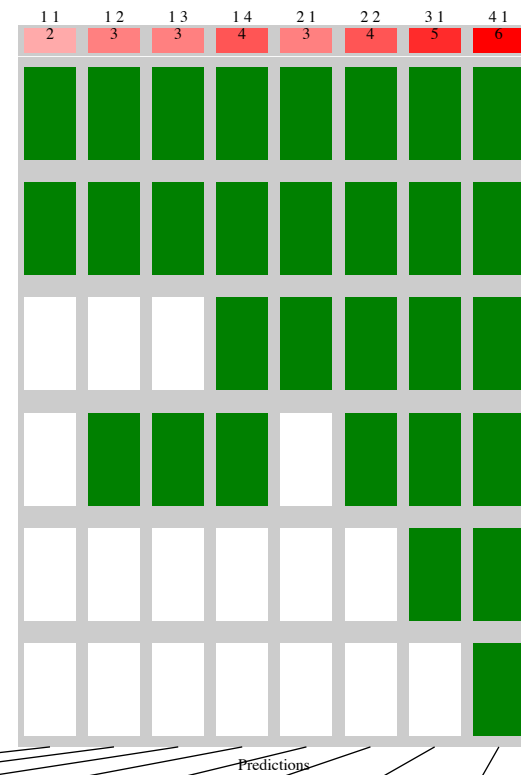
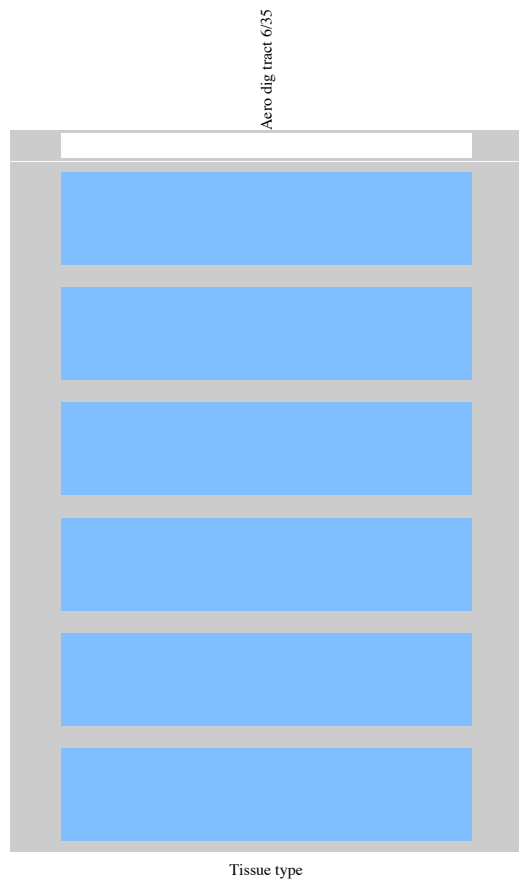
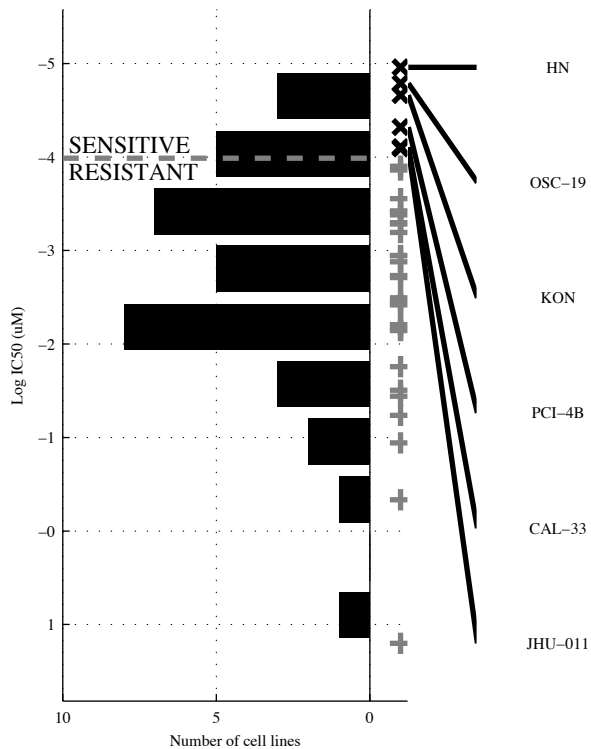
35 cell lines  
 15 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>SMAD4</b>	<b>d8p23. &amp; ~d(ATP1</b>	<b>TP53 &amp; d8p23. &amp; ~d(ATP1</b>	<b>~MLL2&amp;NFE2L&amp; d8p23. &amp; ~d(ATP1</b>	<b>SMAD4   PI3K o</b>	<b>[ d8p23. &amp; ~d(ATP1]   [~TNFa- &amp; Wnt-DO]</b>	<b>KDM6A   SMAD4   PI3K o</b>	<b>KDM6A   MYH9   SMAD4   PI3K o</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{4}{11} \mid \frac{0}{20}$ 1 0.27	$\frac{8}{7} \mid \frac{4}{16}$ 0.8 0.67 0.53	$\frac{8}{7} \mid \frac{3}{17}$ 0.85 0.73 0.53	$\frac{8}{7} \mid \frac{2}{18}$ 0.9 0.8 0.53	$\frac{8}{7} \mid \frac{0}{20}$ 1 1 0.53	$\frac{11}{4} \mid \frac{4}{16}$ 0.8 0.73 0.73	$\frac{9}{6} \mid \frac{0}{20}$ 1 1 0.6	$\frac{10}{5} \mid \frac{0}{20}$ 1 1 0.67

HNSC  
 id: 1057 name: NVP-BEZ235  
 target: PI3K (Class 1) and MTORC12 class: PI3K signaling

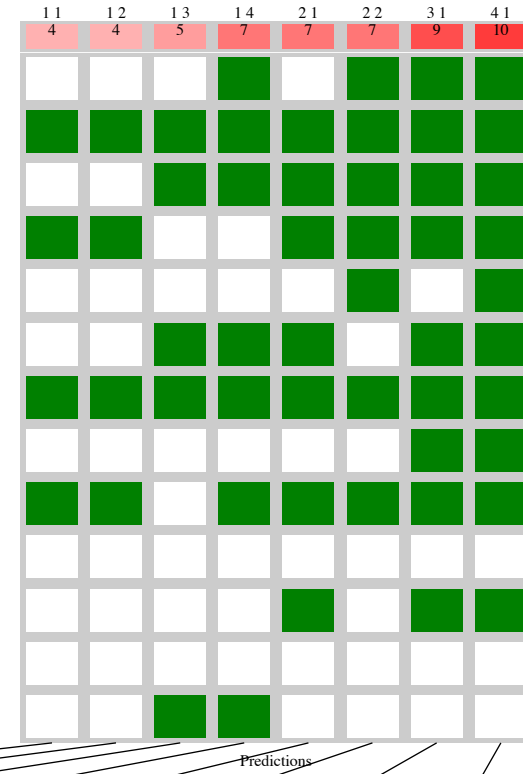
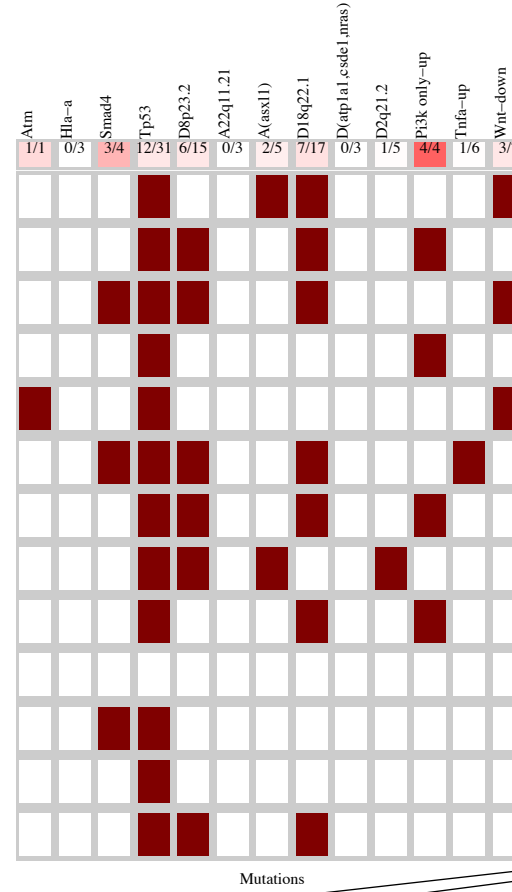
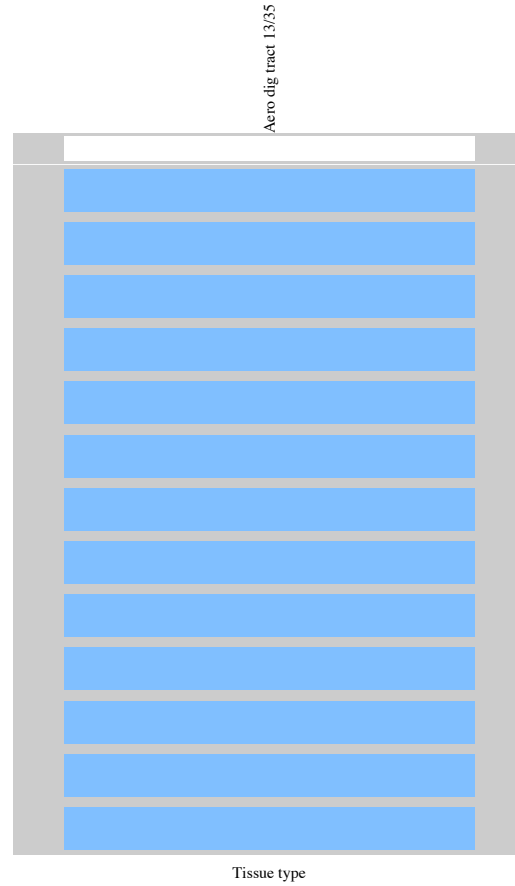
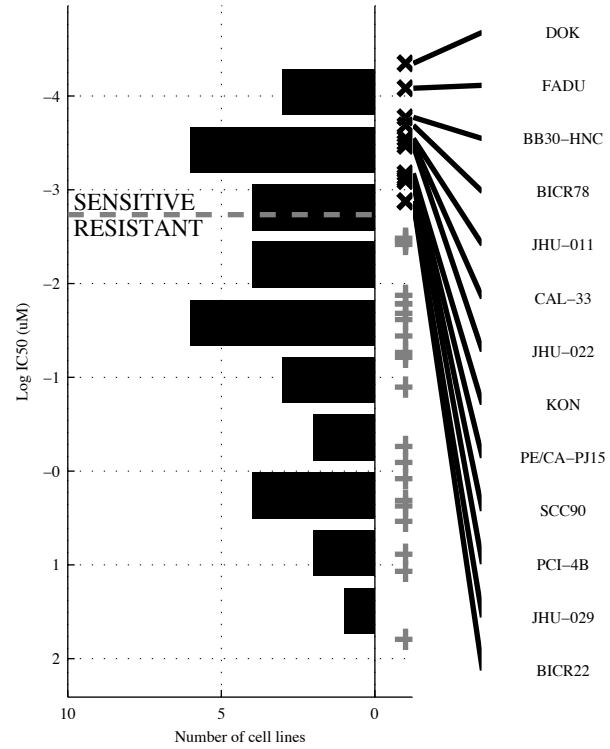
35 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a22q11</b>	<b>a(EGFR&amp;-d18q22</b>	<b>a(EGFR&amp;-d8p23&amp;-d18q22</b>	<b>TP53 &amp;-d18q22&amp;-d(ATP&amp;-d(FAT1</b>	<b>KDM6A   a22q11</b>	<b>[PIK3CA&amp;a(ACTB)  </b>	<b>KDM6A   SMAD4  </b>	<b>KDM6A   MYH9  </b>
			<b>-d18q22</b>			<b>[ -d18q22&amp; d2q21. ]</b>	<b>a22q11</b>	<b>SMAD4   a22q11</b>
TP   FP	2   1	3   1	3   1	4   5	3   1	4   1	5   3	6   3
Specificity	0.97	0.97	0.97	0.83	0.97	0.97	0.9	0.9
FN   TN	4   28	3   28	3   28	2   24	3   28	2   28	1   26	0   26
Precision	0.67	0.75	0.75	0.44	0.75	0.8	0.63	0.67
Recall	0.33	0.5	0.5	0.67	0.5	0.67	0.83	1

HNSC  
 id: 1060 name: PD-0325901  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

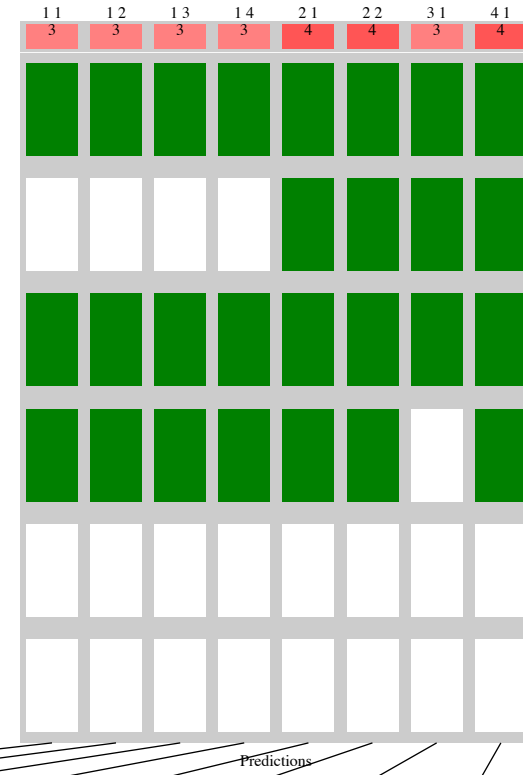
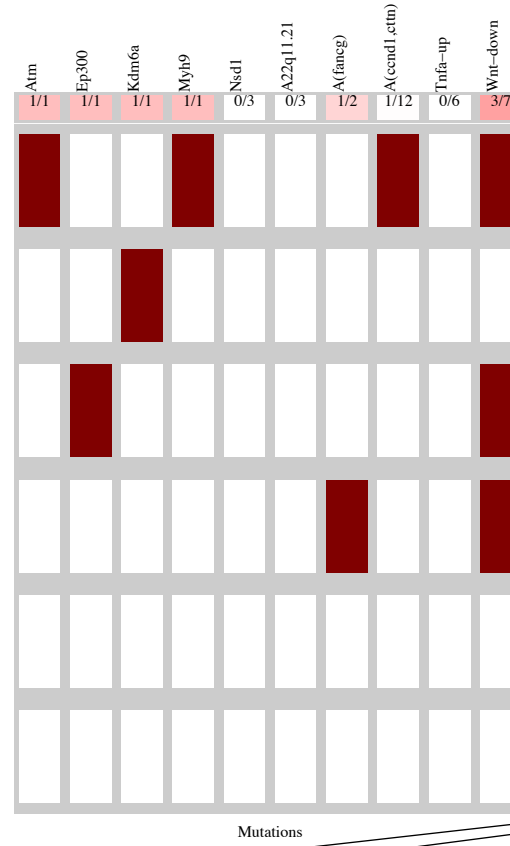
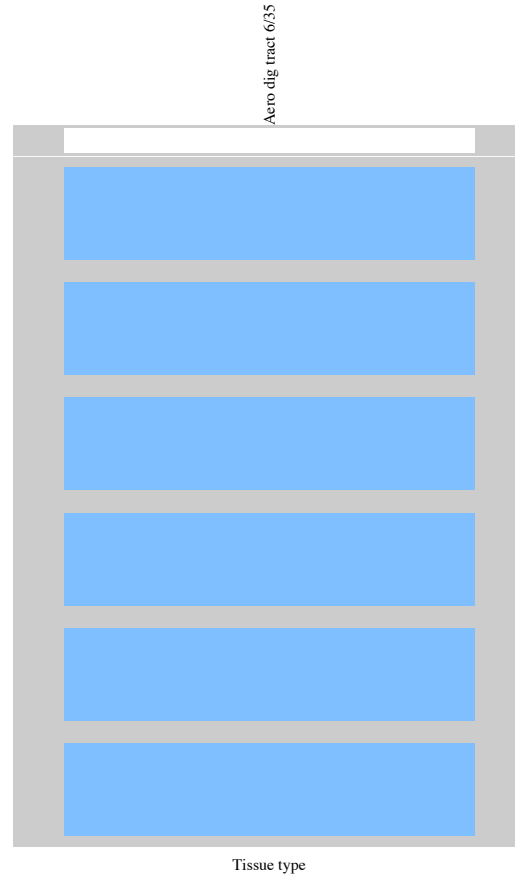
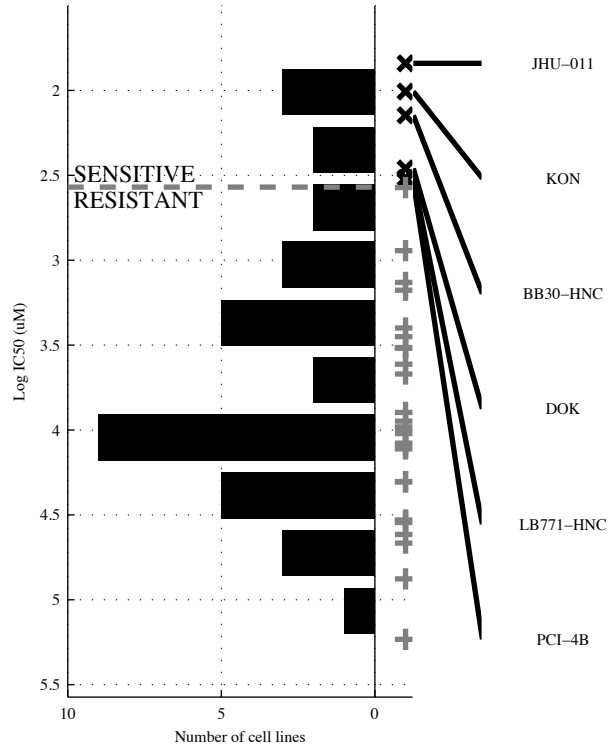
35 cell lines  
 13 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>PI3K o</b>		<b>PI3K o &amp;</b>		<b>d8p23. &amp; d18q22 &amp;</b> <b>-d22q21.</b>		<b>-HLA-A &amp; -a22q11 &amp;</b> <b>d18q22 &amp; -d(ATP1</b>		<b>SMAD4   PI3K o</b>		<b>[ -TNFa- &amp; Wnt-DO ]</b> <b> </b> <b>[ TP53 &amp; PI3K o ]</b>		<b>SMAD4   a(ASXL  </b> <b>PI3K o</b>		<b>ATM   SMAD4  </b> <b>a(ASXL   PI3K o</b>	
TP   FP Specificity	4   0	1	4   0	1	5   1	0.95	7   4	0.82	7   1	0.95	7   1	0.95	9   4	0.82	10   4	0.82
FN   TN Precision	9   22	1	9   22	1	8   21	0.83	6   18	0.64	6   21	0.88	6   21	0.88	4   18	0.69	3   18	0.71
Recall		0.31		0.31		0.38		0.54		0.54		0.54		0.69		0.77

HNSC  
 id: 1061 name: SB590885  
 target: BRAF class: ERK MAPK signaling

35 cell lines  
 6 sensitive

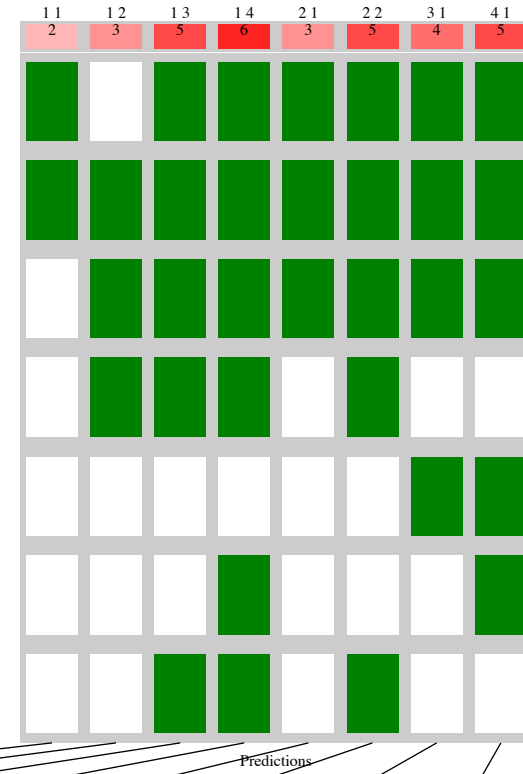
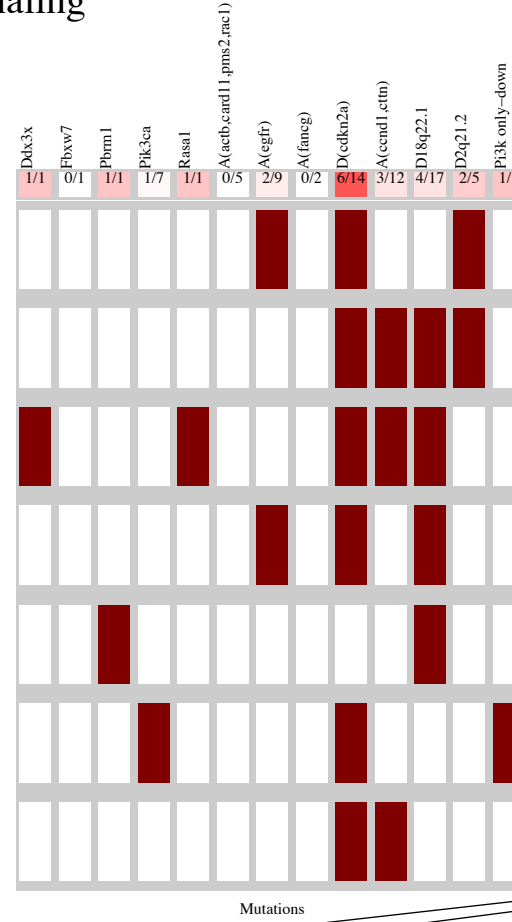
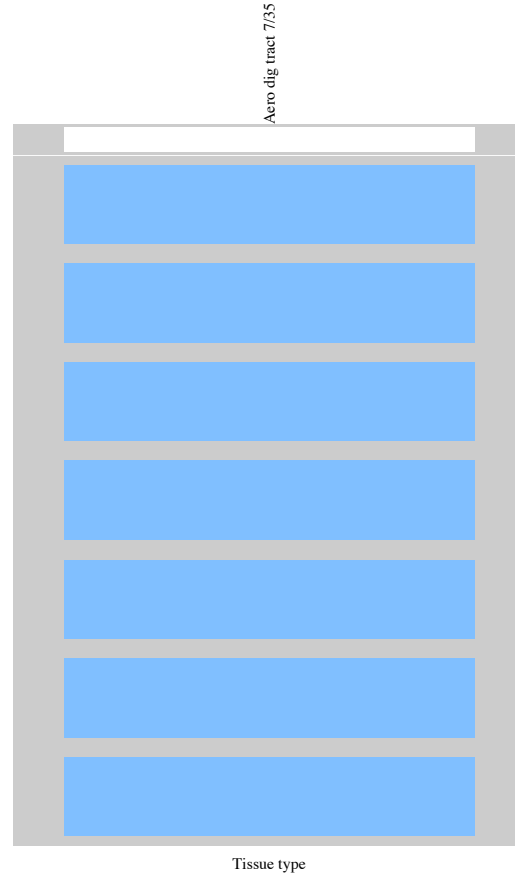
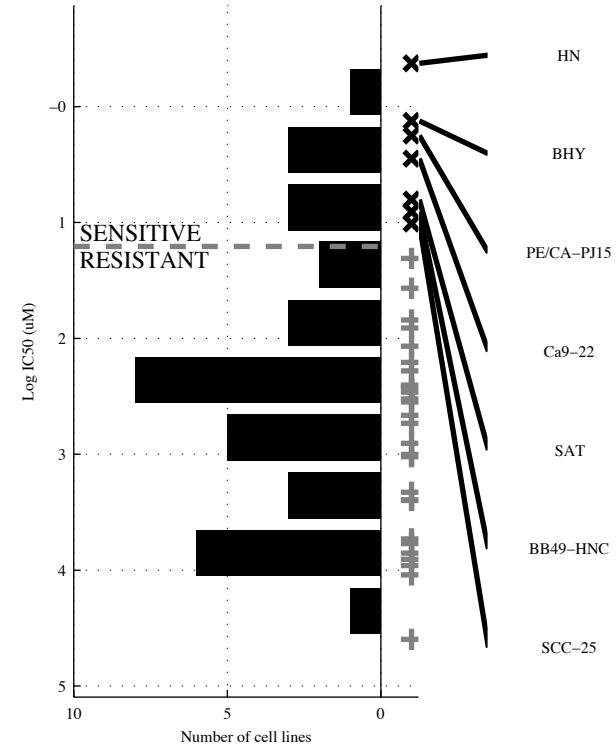


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>Wnt-DO</b>	<b>-TNFa- &amp; Wnt-DO</b>	<b>-a22q11 &amp; TNFa- &amp; Wnt-DO</b>	<b>-NSD1 &amp; TNFa- &amp; Wnt-DO</b>	<b>KDM6A   Wnt-DO</b>	<b>[KDM6A &amp; a(CCND)   -TNFa- &amp; Wnt-DO]</b>	<b>EP300   KDM6A   MYH9</b>	<b>ATM   EP300   KDM6A   a(FANC)</b>
TP   FP Specificity	3   4 0.86	3   1 0.97	3   0 1	3   0 1	4   4 0.86	4   1 0.97	3   0 1	4   1 0.97
FN   TN Precision	3   25 0.43	3   28 0.75	3   29 1	3   29 1	2   25 0.5	2   28 0.8	3   29 1	2   28 0.8
Recall	3   25 0.5	3   28 0.5	3   29 0.5	3   29 0.5	2   25 0.67	2   28 0.67	3   29 0.5	2   28 0.67



HNSC  
 id: 1062 name: AZD6244  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

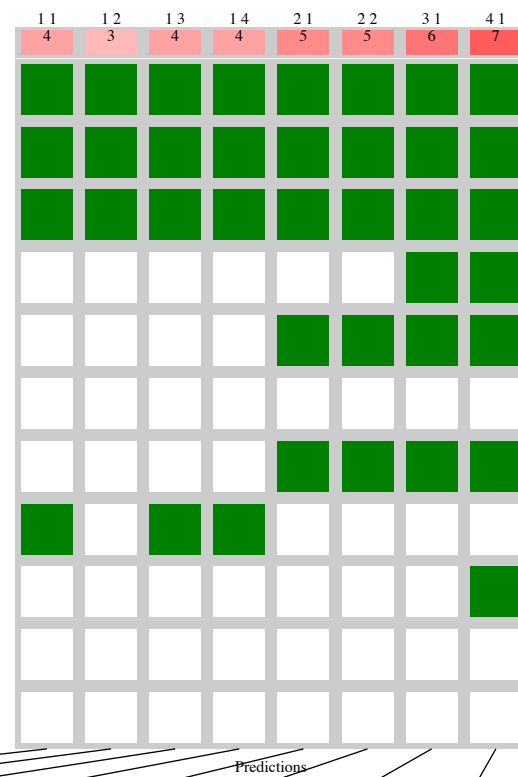
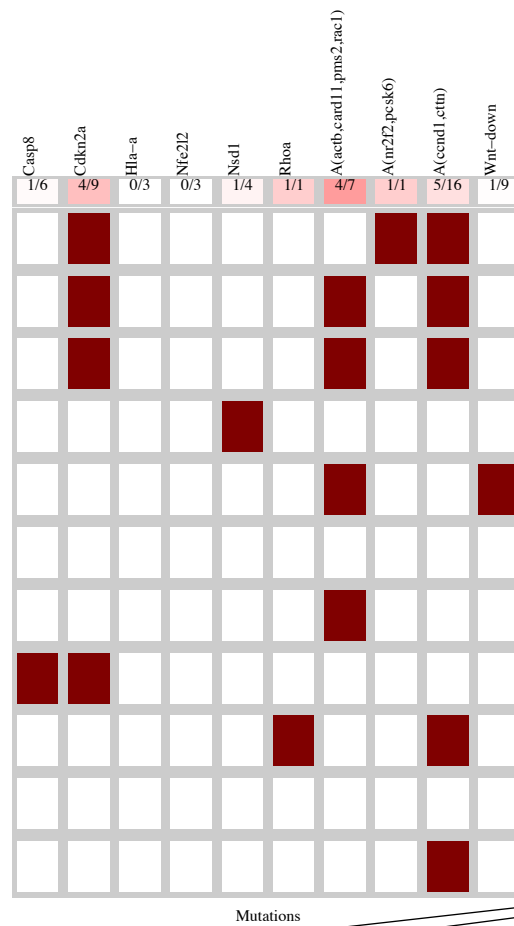
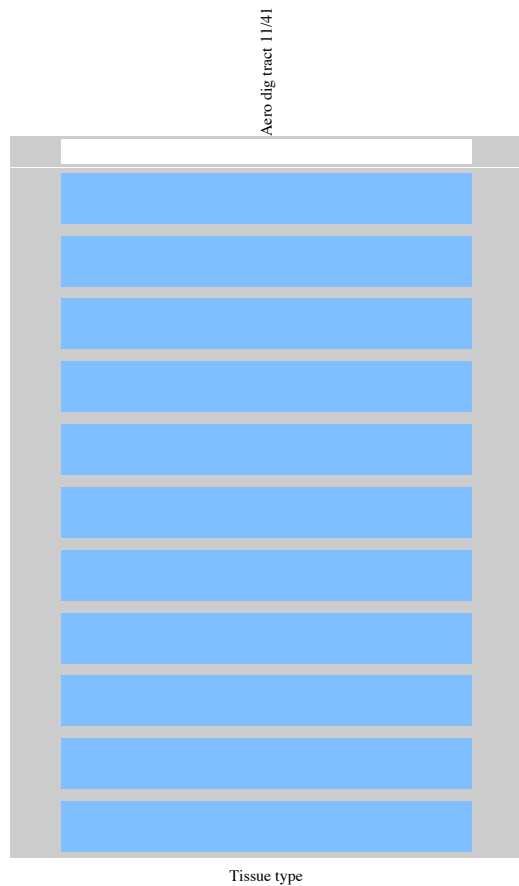
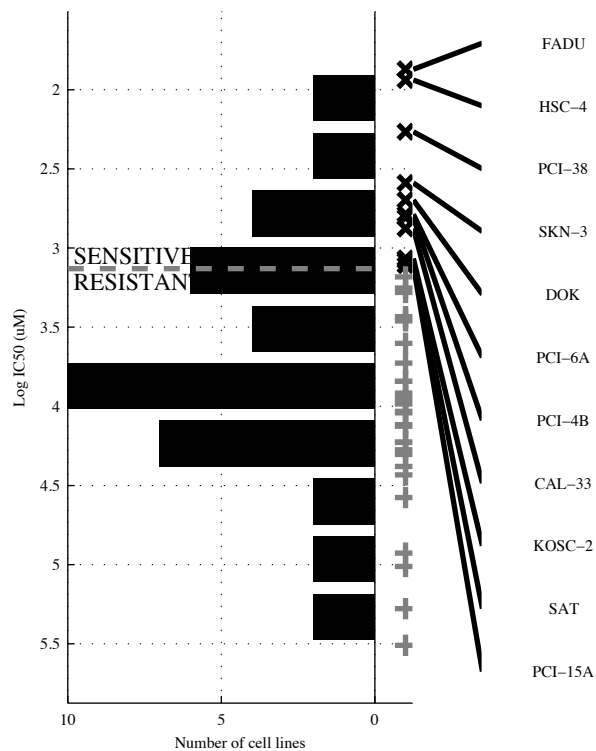
35 cell lines  
 7 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d2q21.</b>	<b>d(CDKN&amp;d18q22</b>	<b>-FBXW&amp;PIK3C&amp;</b>	<b>-FBXW&amp;a(ACTE&amp;</b>	<b>DDX3X   d2q21.</b>	<b>[d(CDKN&amp;a(CCND)]</b>   <b>[a(EGFR&amp;d(CDKN)]</b>	<b>PBRM1   RASA1  </b> <b>d2q21.</b>	<b>DDX3X   PBRM1  </b> <b>d2q21.   PI3K o</b>
TP   FP	2   3	3   1	5   5	6   5	3   3	5   1	4   3	5   3
Specificity	0.89	0.96	0.82	0.82	0.89	0.96	0.89	0.89
FN   TN	5   25	4   27	2   23	1   23	4   25	2   27	3   25	2   25
Precision	0.4	0.75	0.5	0.55	0.5	0.83	0.57	0.63
Recall	0.29	0.43	0.71	0.86	0.43	0.71	0.57	0.71

HNSC  
id: 1067 name: CCT007093  
target: PPM1D class: other

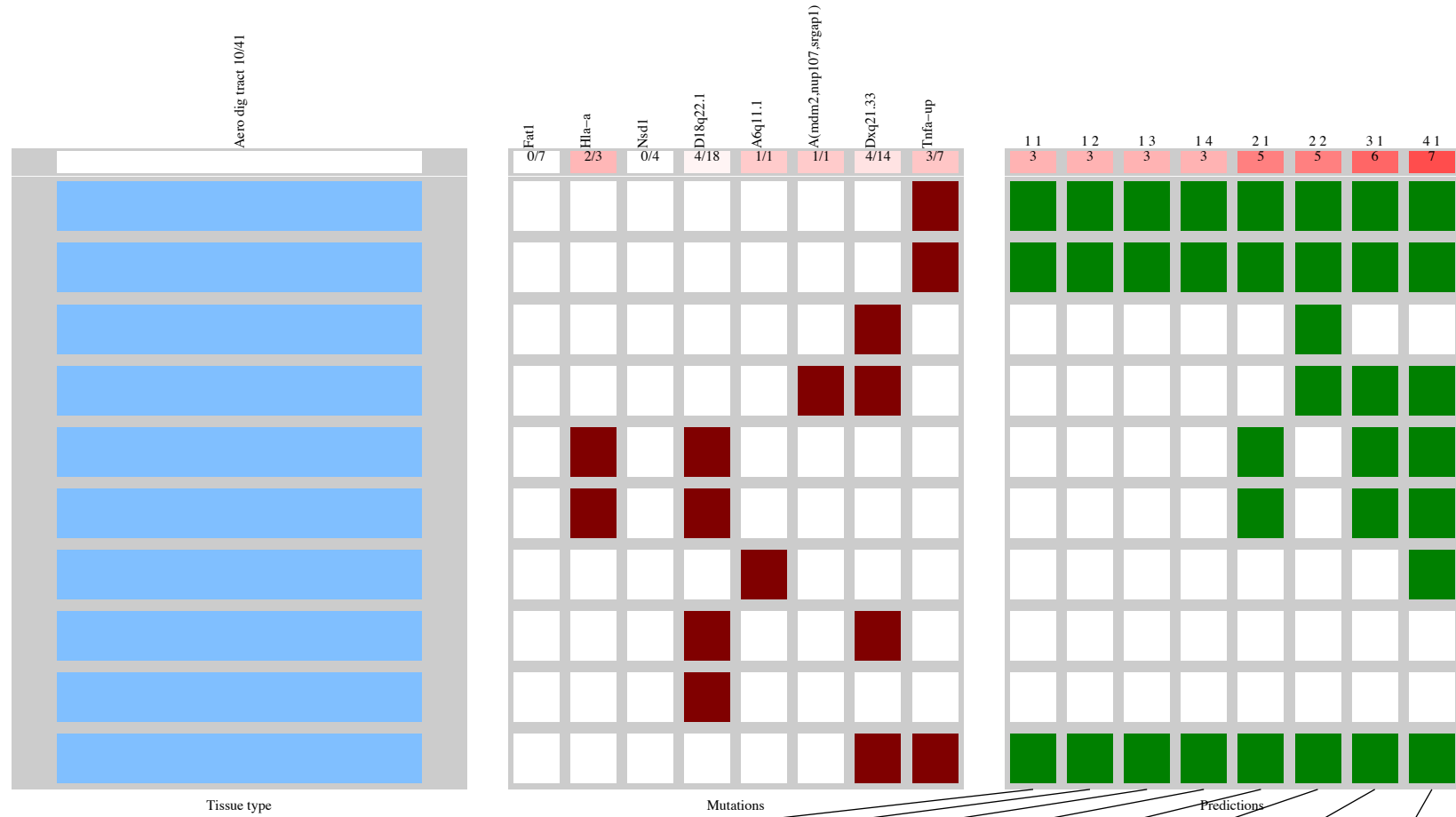
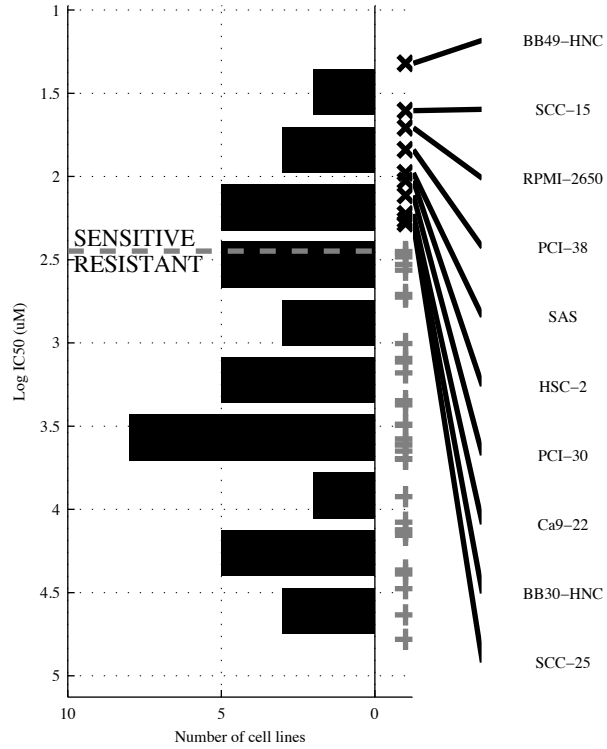
41 cell lines  
11 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>CDKN2A</b>	<b>¬CASP8 &amp; CDKN2A</b>	<b>CDKN2A &amp; HLA-A &amp; ¬NFE2L2</b>	<b>CDKN2A &amp; HLA-A &amp; ¬NFE2L2 &amp; Wnt-DO</b>	<b>a(ACTB)   a(NR2F)</b>	<b>[¬CASP8 &amp; CDKN2A]   [a(ACTB) &amp; a(CCND)]</b>	<b>NSD1   a(ACTB)   a(NR2F)</b>	<b>NSD1   RHOA   a(ACTB)   a(NR2F)</b>
TP   FP Specificity	4   5 0.83	3   1 0.97	4   2 0.93	4   1 0.97	5   3 0.9	5   2 0.93	6   6 0.8	7   6 0.8
FN   TN Precision	7   25 0.44	8   29 0.75	7   28 0.67	7   29 0.8	6   27 0.63	6   28 0.71	5   24 0.5	4   24 0.54
Recall	0.36	0.27	0.36	0.36	0.45	0.45	0.55	0.64

HNSC  
 id: 1072 name: BMS-708163  
 target: g-secretase class: other

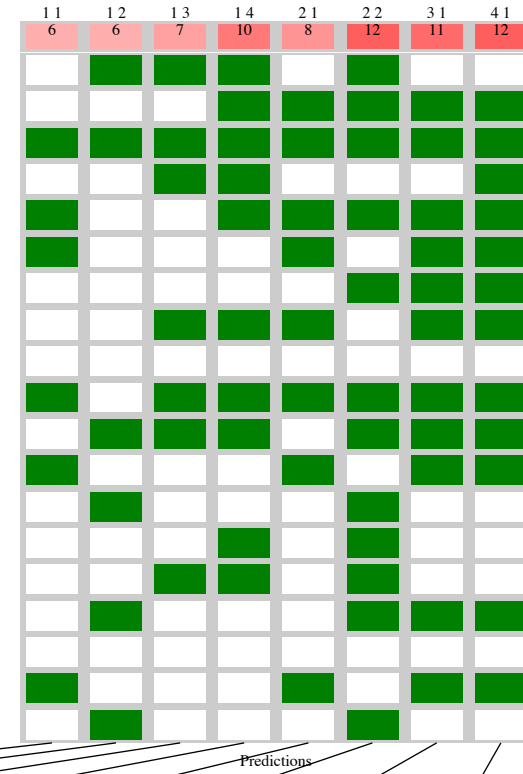
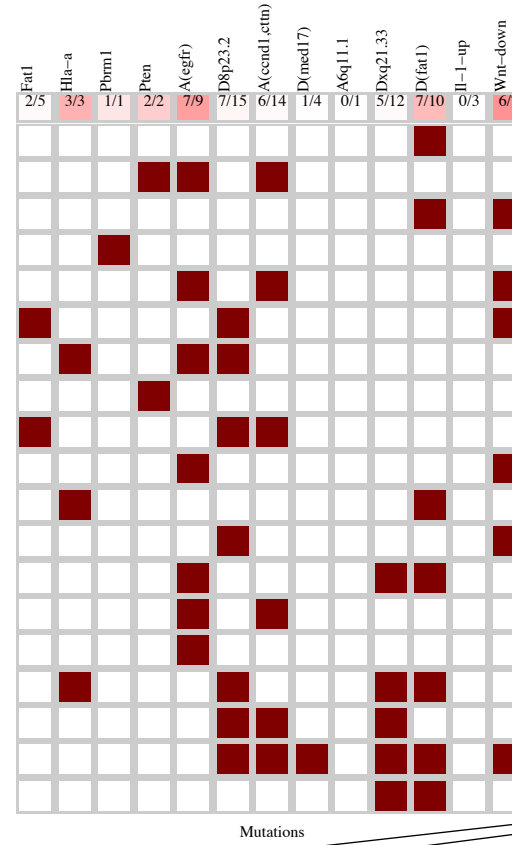
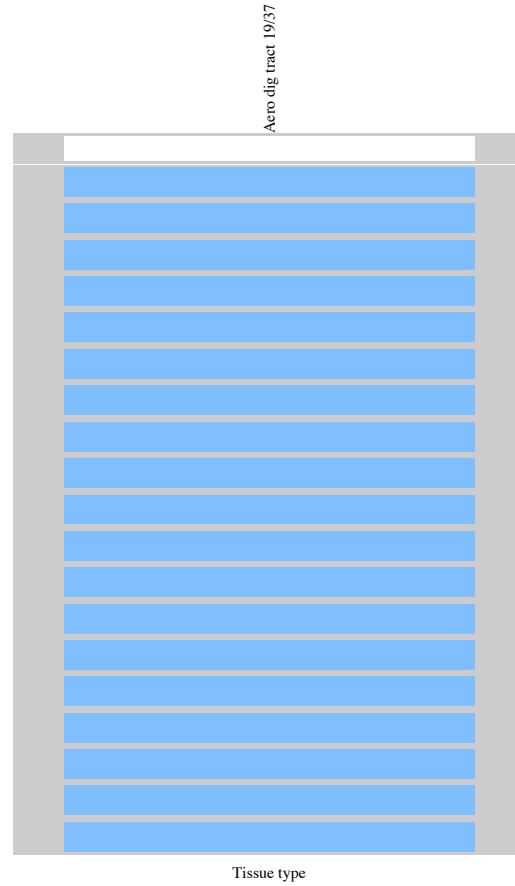
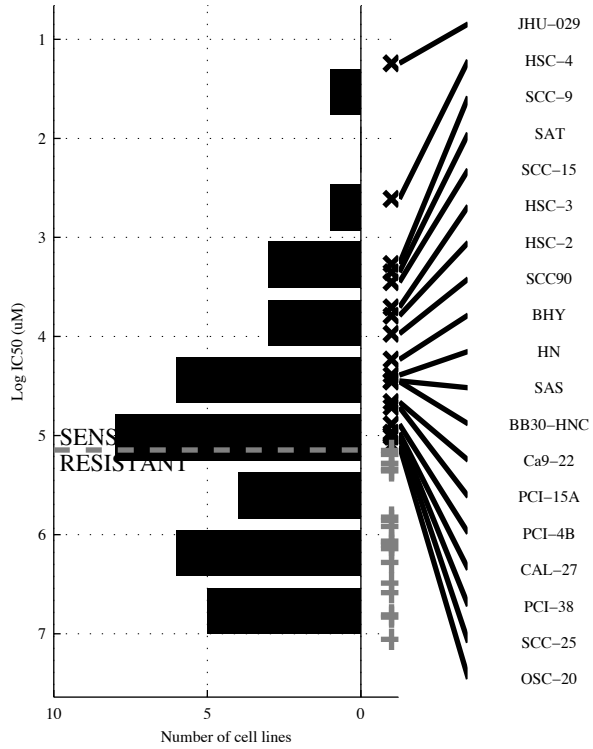
41 cell lines  
 10 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>TNFa-U</b>	<b>-FAT1&amp;TNFa-U</b>	<b>-FAT1&amp;-NSD1&amp;TNFa-U</b>	<b>-FAT1&amp;-NSD1&amp;TNFa-U&amp;</b>	<b>HLA-A   TNFa-U</b>	<b>[ -FAT1&amp;TNFa-U ]   [ -d18q22&amp;dXq21. ]</b>	<b>HLA-A la(MDM2)   TNFa-U</b>	<b>HLA-A   a6q11.   a(MDM2)   TNFa-U</b>
TP   FP	3   4	3   1	3   0	3   0	5   5	5   4	6   5	7   5
Specificity	0.87	0.97	1	1	0.84	0.87	0.84	0.84
FN   TN	7   27	7   30	7   31	7   31	5   26	5   27	4   26	3   26
Precision	0.43	0.75	1	1	0.5	0.56	0.55	0.58
Recall	0.3	0.3	0.3	0.3	0.5	0.5	0.6	0.7

HNSC  
 id: 1114 name: Cetuximab  
 target: EGFR class: EGFR signaling

37 cell lines  
 19 sensitive

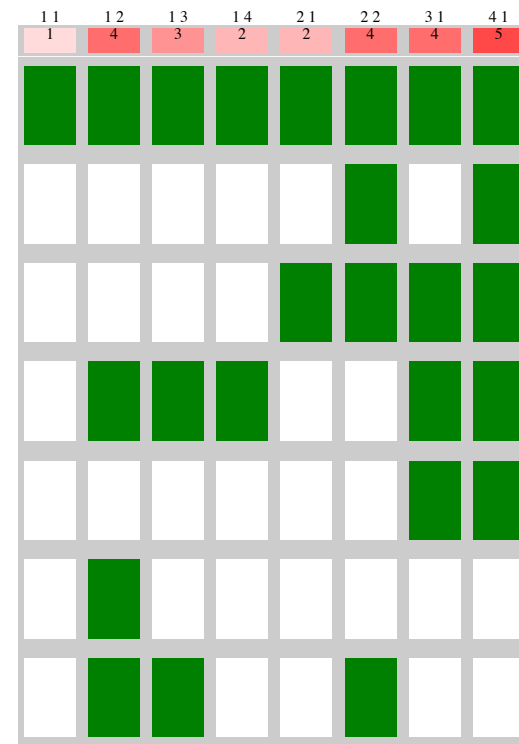
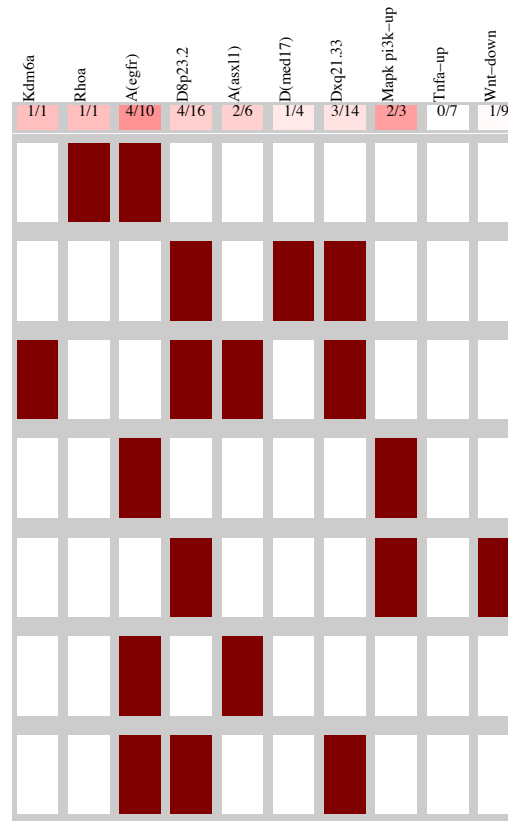
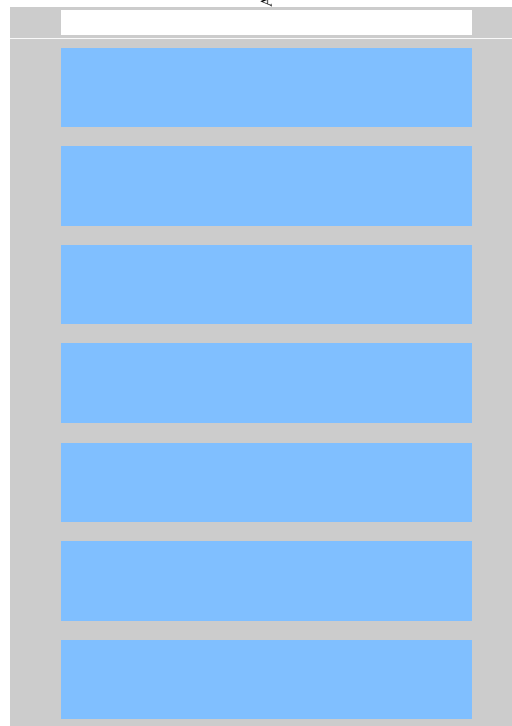
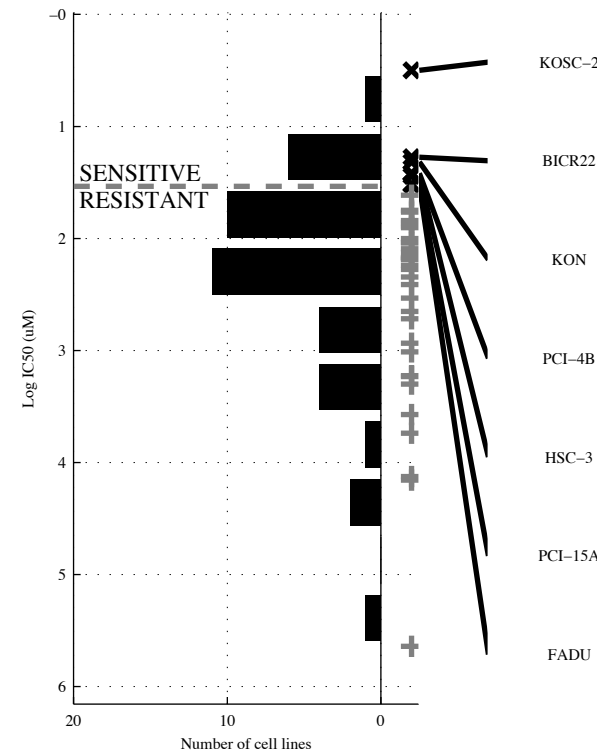


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>Wnt-DO</b>	<b>-d(MED&amp;d(FAT1</b>	<b>-d8p23.&amp;a(CCNI&amp;</b> <b>-dXq21.</b>	<b>-FAT1&amp;-d8p23.&amp;</b> <b>-a6q11.&amp;-dXq21.</b>	<b>PTEN  Wnt-DO</b>	<b>[d(MED&amp;d(FAT1]</b> <b> </b> <b>[a(EGFR&amp;-IL-1-U]</b>	<b>HLA-A   PTEN  </b> <b>Wnt-DO</b>	<b>HLA-A   PBRM1  </b> <b>PTEN  Wnt-DO</b>
TP   FP Specificity	6   1 0.94	6   1 0.94	7   2 0.89	10   3 0.83	8   1 0.94	12   2 0.89	11   1 0.94	12   1 0.94
FN   TN Precision	13   17 0.86	13   17 0.86	12   16 0.78	9   15 0.77	11   17 0.89	7   16 0.86	8   17 0.92	7   17 0.92
Recall	0.32	0.32	0.37	0.53	0.42	0.63	0.58	0.63

HNSC  
 id: 1133 name: JNJ-26854165  
 target: MDM2 class: p53 pathway

40 cell lines  
 7 sensitive

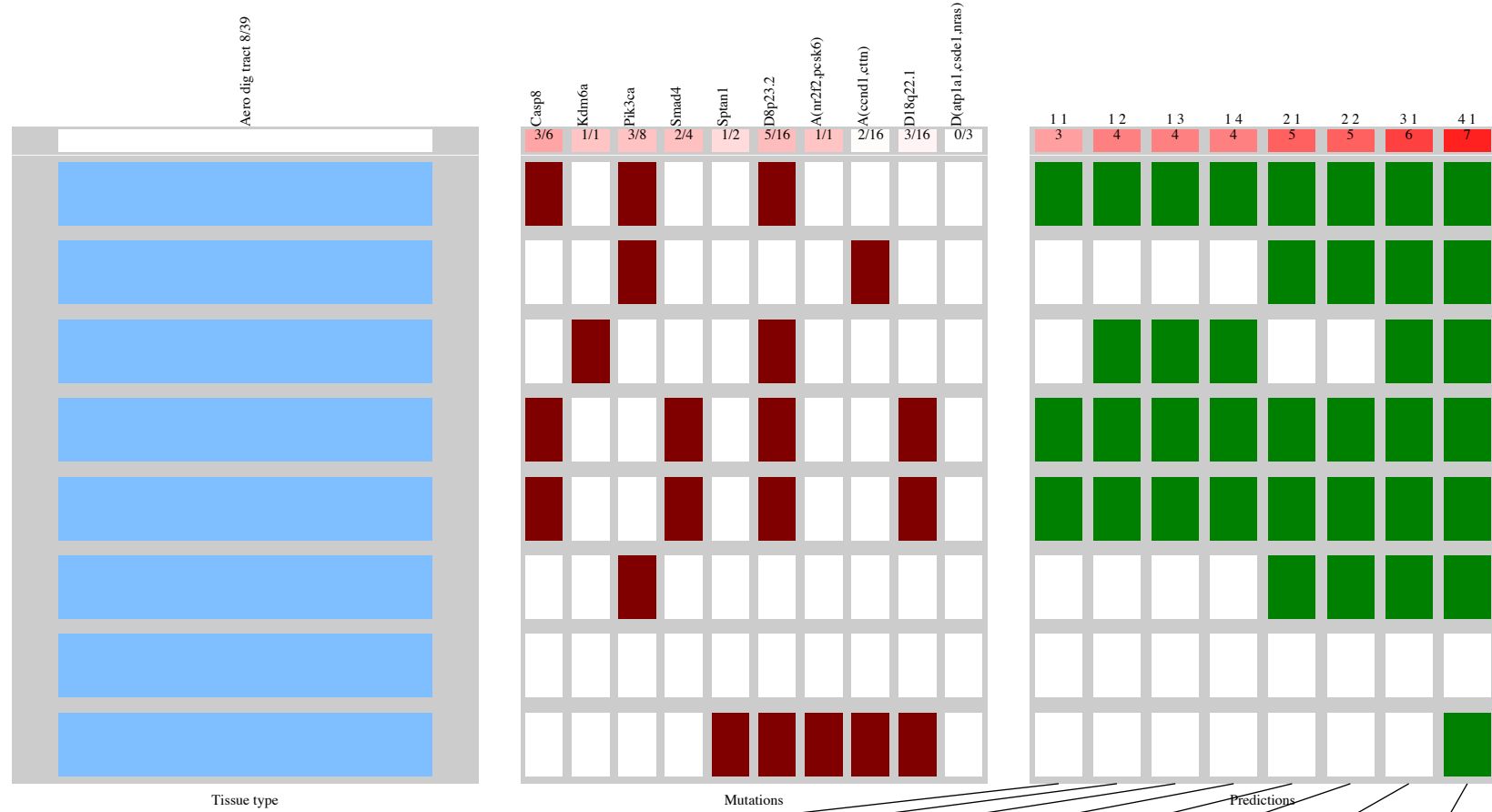
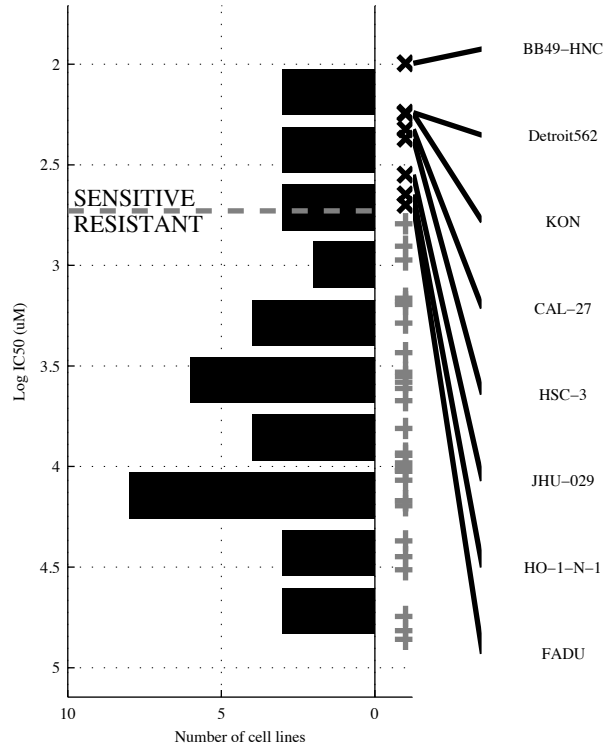
Aero dig tract 7/40



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>RHOA</b>	<b>a(EGFR &amp; TNFa-U</b>	<b>a(EGFR &amp; a(ASXI &amp;</b> <b>-Wnt-DO</b>	<b>a(EGFR &amp; a(ASXI &amp;</b> <b>-dXq21 &amp; Wnt-DO</b>	<b>KDM6A   RHOA</b>	<b>[ d8p23. &amp; dXq21. ]</b> <b> </b> <b>[ RHOA &amp; d(MED1]</b>	<b>KDM6A   RHOA  </b> <b>MAPK P</b>	<b>KDM6A   RHOA  </b> <b>d(MED1 MAPK P</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{6} \mid \frac{0}{33}$ 1 0.14	$\frac{4}{3} \mid \frac{4}{29}$ 0.88 0.5 0.57	$\frac{3}{4} \mid \frac{1}{32}$ 0.97 0.75 0.43	$\frac{2}{5} \mid \frac{0}{33}$ 1 1 0.29	$\frac{2}{5} \mid \frac{0}{33}$ 1 1 0.29	$\frac{4}{3} \mid \frac{5}{28}$ 0.85 0.44 0.57	$\frac{4}{3} \mid \frac{1}{32}$ 0.97 0.8 0.57	$\frac{5}{2} \mid \frac{4}{29}$ 0.88 0.56 0.71

HNSC  
 id: 1199 name: Tamoxifen  
 target: ER class: other

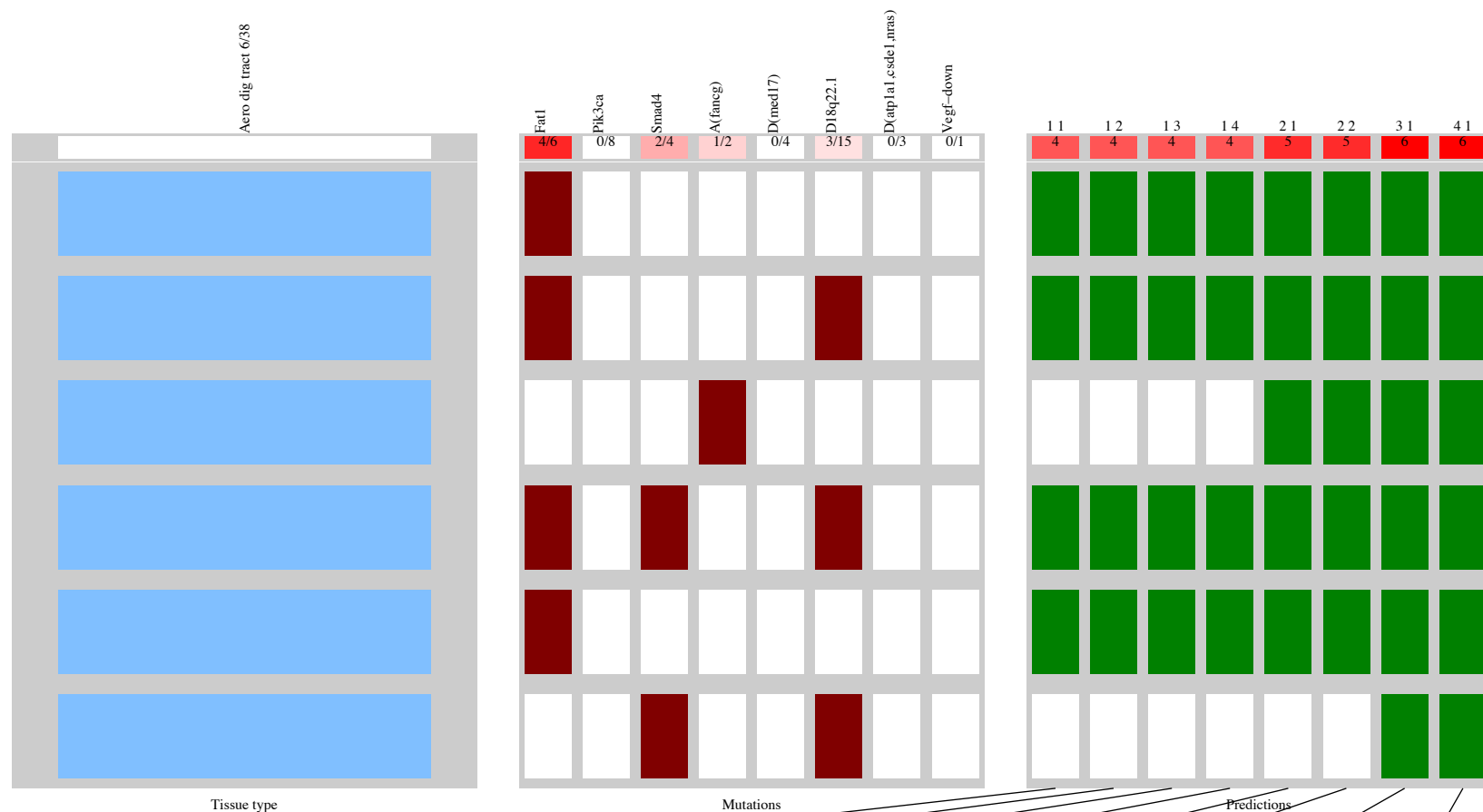
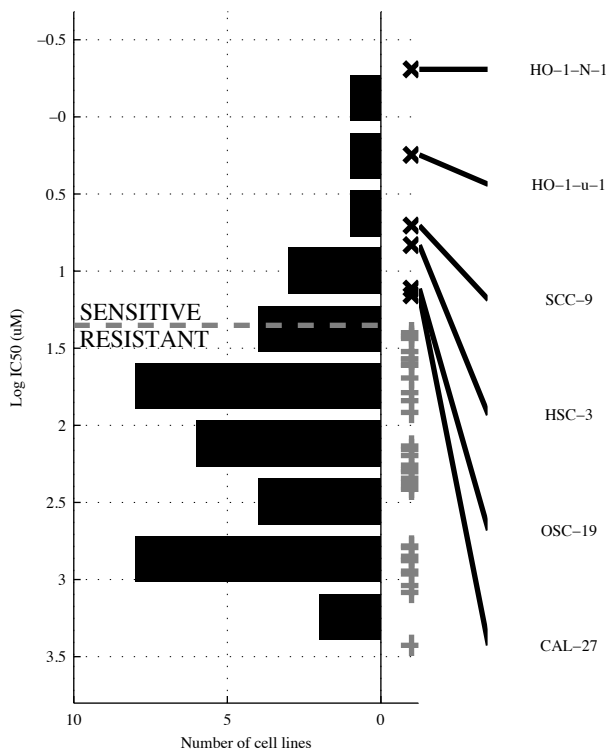
39 cell lines  
 8 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>CASP8</b>	<b>d8p23. &amp;a(CCND</b>	<b>d8p23. &amp;a(CCNI&amp;</b>	<b>-SPTAN&amp; d8p23. &amp;</b>	<b>PIK3CA   SMAD4</b>	<b>[PIK3CA&amp;-d18q22]</b>   <b>[PIK3CA&amp;SMAD4]</b>	<b>KDM6A   PIK3CA  </b>  <b>SMAD4</b>	<b>KDM6A   PIK3CA  </b>  <b>SMAD4   a(NR2F</b>
TP   FP	3   3	4   6	4   4	4   3	5   6	5   2	6   6	7   6
Specificity	0.9	0.81	0.87	0.9	0.81	0.94	0.81	0.81
FN   TN	5   28	4   25	4   27	4   28	3   25	3   29	2   25	1   25
Precision	0.5	0.4	0.5	0.57	0.45	0.71	0.5	0.54
Recall	0.38	0.5	0.5	0.5	0.63	0.63	0.75	0.88

HNSC  
 id: 1218 name: JQ1  
 target: BRD2, BRD3, BRD4 class: chromatin other

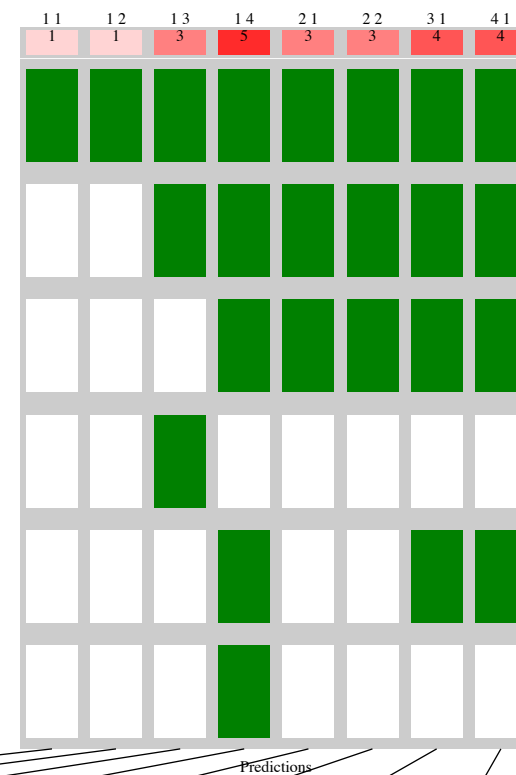
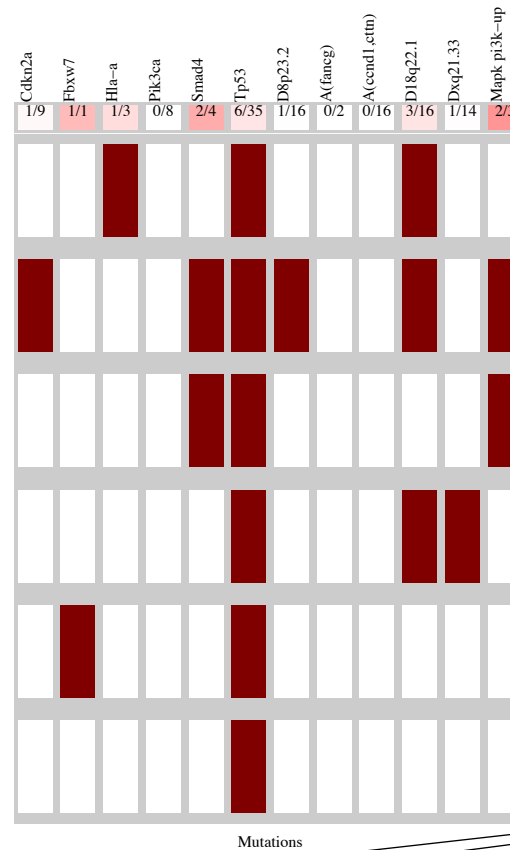
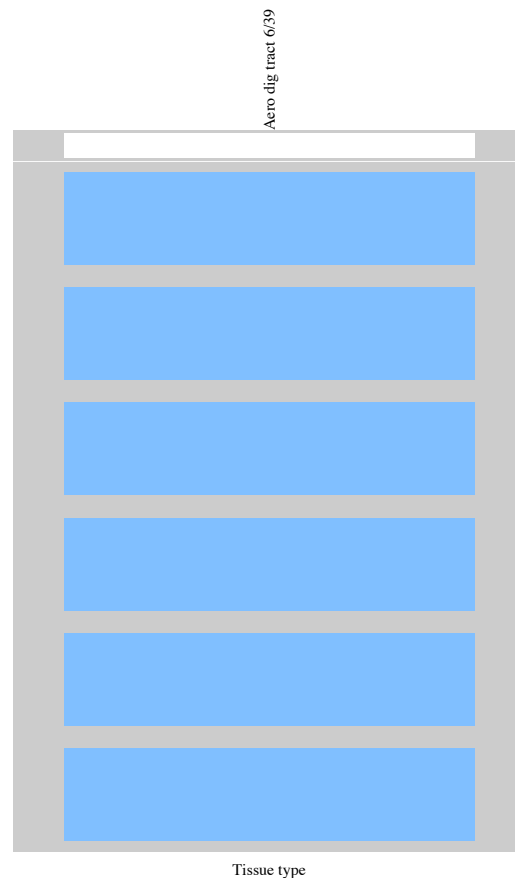
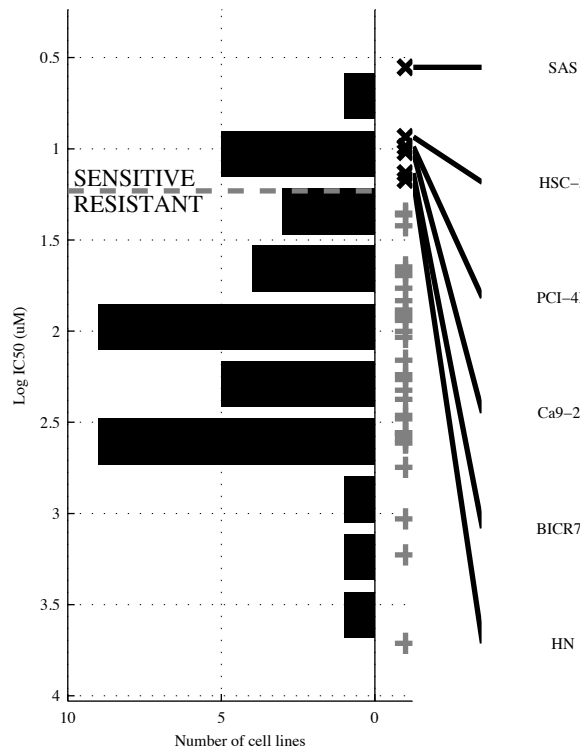
38 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>FAT1</b>	<b>FAT1 &amp; PIK3CA</b>	<b>FAT1 &amp; PIK3CA &amp; -d(ATP1</b>	<b>FAT1 &amp; PIK3CA &amp; -d(MED &amp; VEGF-D</b>	<b>FAT1   a(FANC</b>	<b>[ a(FANC &amp; -d18q22)   [ FAT1 &amp; PIK3CA]</b>	<b>FAT1   SMAD4   a(FANC</b>	<b>FAT1   SMAD4   a(FANC  </b>
TP   FP Specificity FN   TN Precision Recall	$\frac{4}{2} \mid \frac{2}{30}$ 0.94 0.67 0.67	$\frac{4}{2} \mid \frac{1}{31}$ 0.97 0.8 0.67	$\frac{4}{2} \mid \frac{0}{32}$ 1 1 0.67	$\frac{4}{2} \mid \frac{0}{32}$ 1 1 0.67	$\frac{5}{1} \mid \frac{3}{29}$ 0.91 0.63 0.83	$\frac{5}{1} \mid \frac{1}{31}$ 0.97 0.83 0.83	$\frac{6}{0} \mid \frac{4}{28}$ 0.88 0.6 1	$\frac{6}{0} \mid \frac{4}{28}$ 0.88 0.6 1

HNSC  
 id: 1219 name: PFI-1  
 target: BRD2, BRD3, BRD4 class: chromatin other

39 cell lines  
 6 sensitive

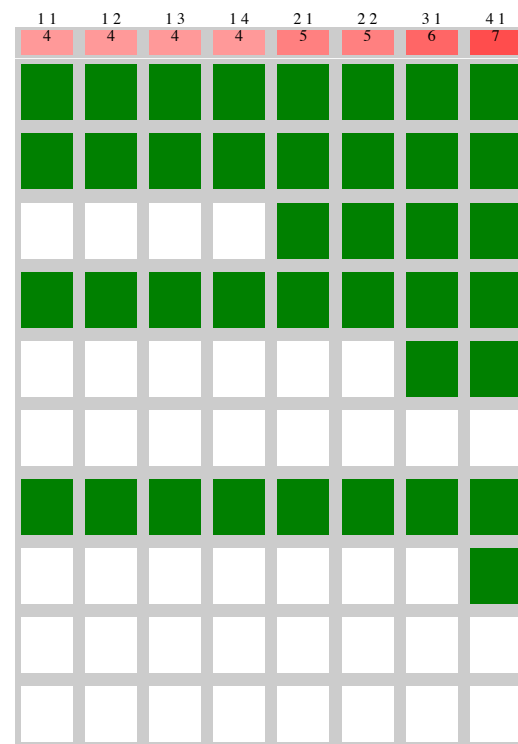
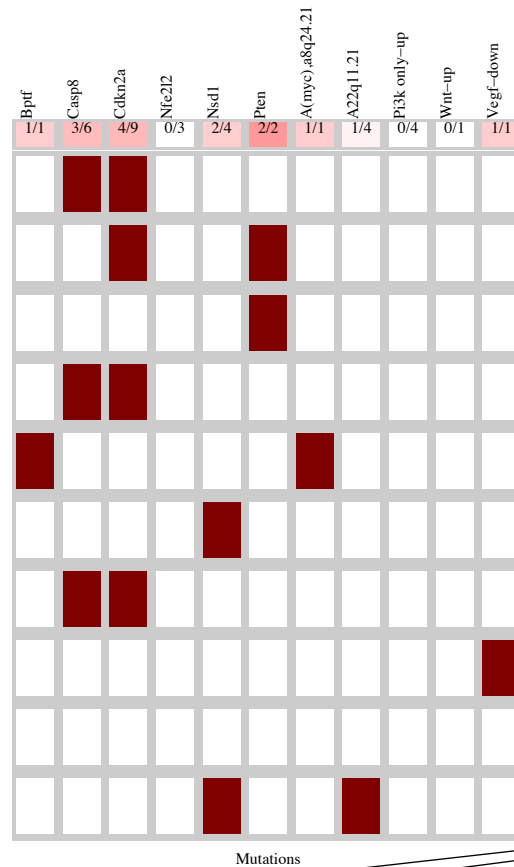
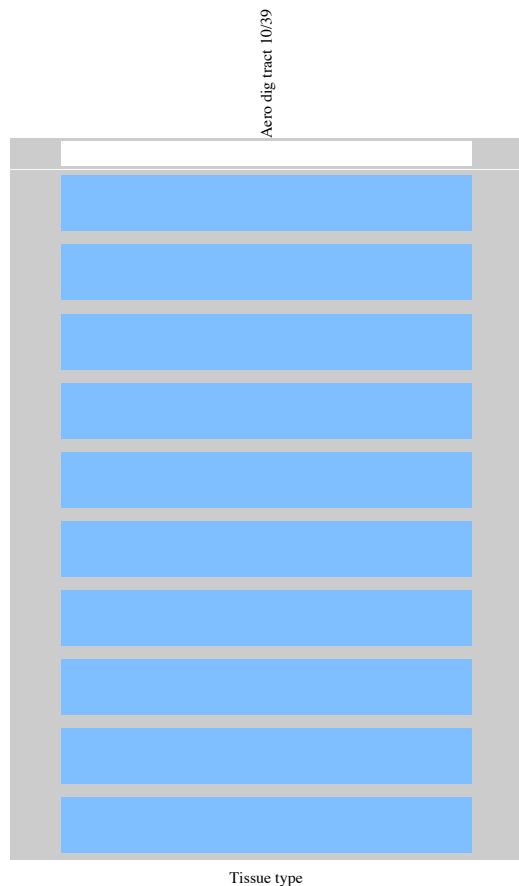
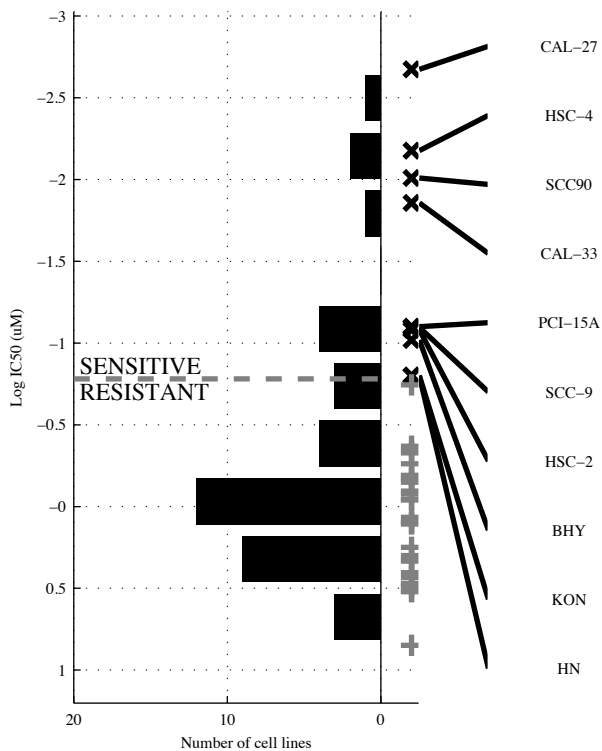


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>HLA-A</b>	<b>¬CDKN2A &amp; HLA-A</b>	<b>¬PIK3CA &amp; a(CCNE1 &amp; CCNE2)</b>	<b>TP53 &amp; a(FANG)</b>	<b>HLA-A   MAPK P</b>	<b>[ SMAD4 &amp; ¬dXq21. ]</b>   <b>[ HLA-A &amp; ¬d8p23. ]</b>	<b>FBXW7   HLA-A  </b>  <b>MAPK P</b>	<b>FBXW7   HLA-A  </b>  <b>MAPK P  </b>
TP   FP	1   2	1   0	3   3	5   6	3   3	3   0	4   3	4   3
Specificity	0.94	1	0.91	0.82	0.91	1	0.91	0.91
FN   TN	5   31	5   33	3   30	1   27	3   30	3   33	2   30	2   30
Precision	0.33	1	0.5	0.45	0.5	1	0.57	0.57
Recall	0.17	0.17	0.5	0.83	0.5	0.5	0.67	0.67



HNSC  
 id: 1230 name: IOX2  
 target: EGLN1 class: other

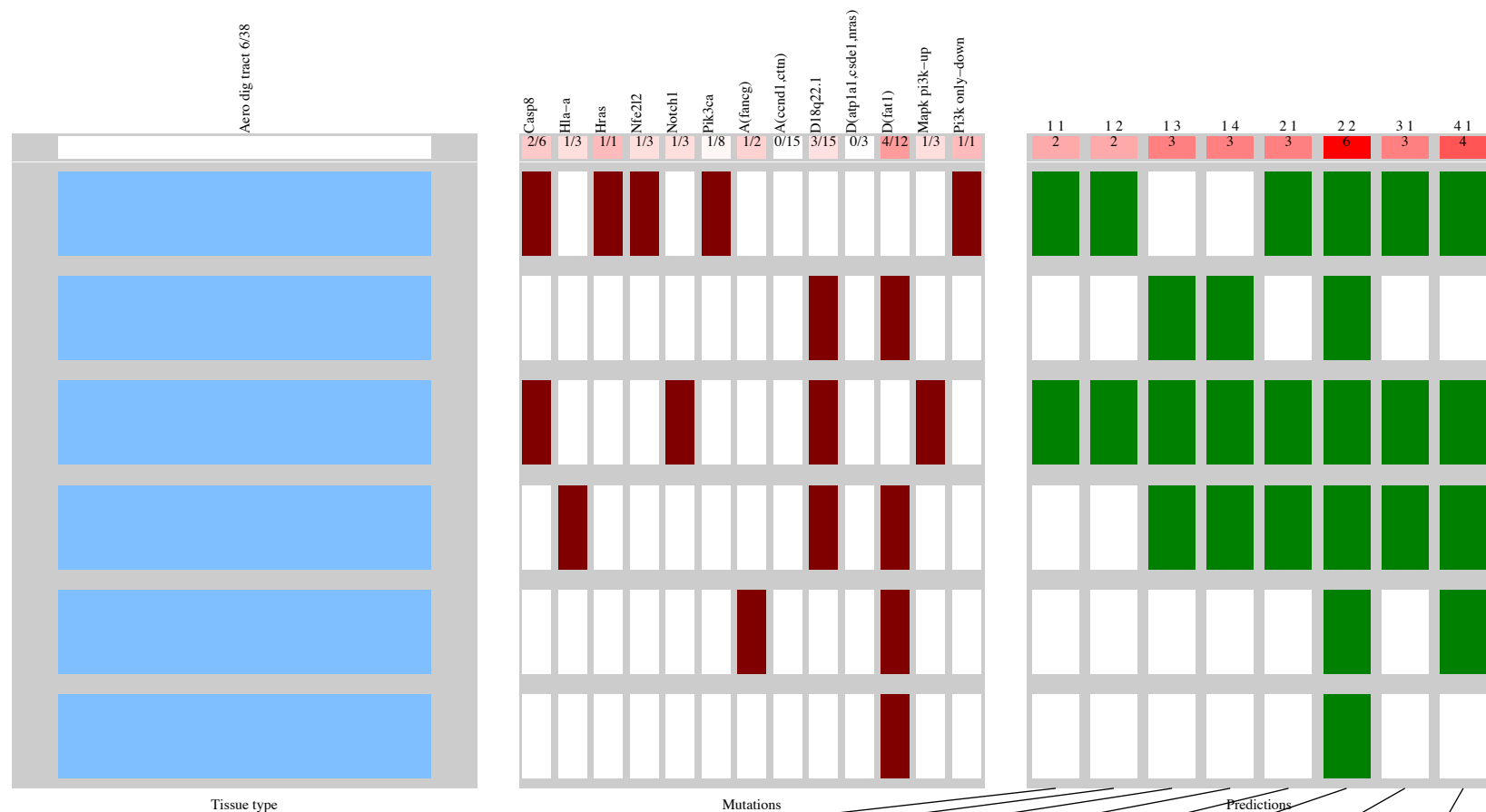
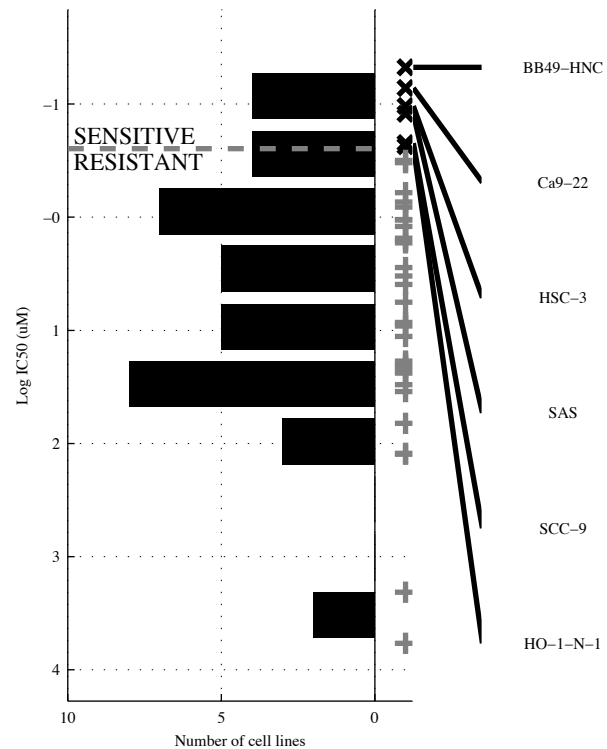
39 cell lines  
 10 sensitive



Model name	11	12	13	14	21	22	31	41
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>CDKN2A</b>	<b>CDKN2A &amp; Wnt-UP</b>	<b>CDKN2A &amp; NFE2L2 &amp; NSD1</b>	<b>CDKN2A &amp; NFE2L2 &amp; PI3K &amp; Wnt-UP</b>	<b>CASP8   PTEN</b>	<b>[ CASP8 &amp; NFE2L2 ]   [ PTEN &amp; a22q11 ]</b>	<b>BPTF   CASP8   PTEN</b>	<b>CASP8   PTEN   a(MYC)   VEGF-D</b>
TP   FP	4   5	4   4	4   3	4   2	5   3	5   1	6   3	7   3
Specificity	0.83	0.86	0.9	0.93	0.9	0.97	0.9	0.9
FN   TN	6   24	6   25	6   26	6   27	5   26	5   28	4   26	3   26
Precision	0.44	0.5	0.57	0.67	0.63	0.83	0.67	0.7
Recall	0.4	0.4	0.4	0.4	0.5	0.5	0.6	0.7

HNSC  
 id: 1242 name: (5Z)-7-Oxozeaenol  
 target: MAP3K7 (TAK1) class: other

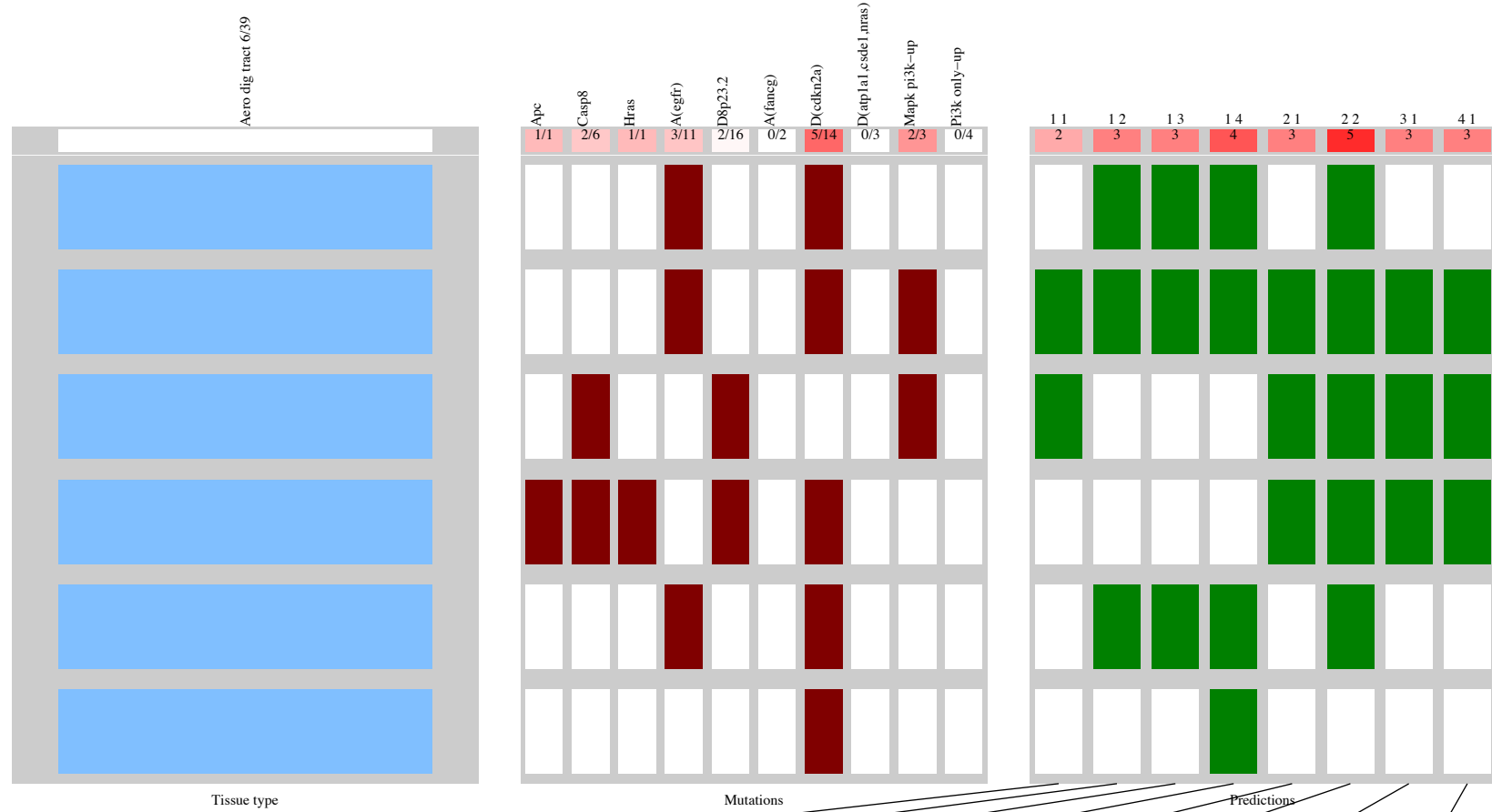
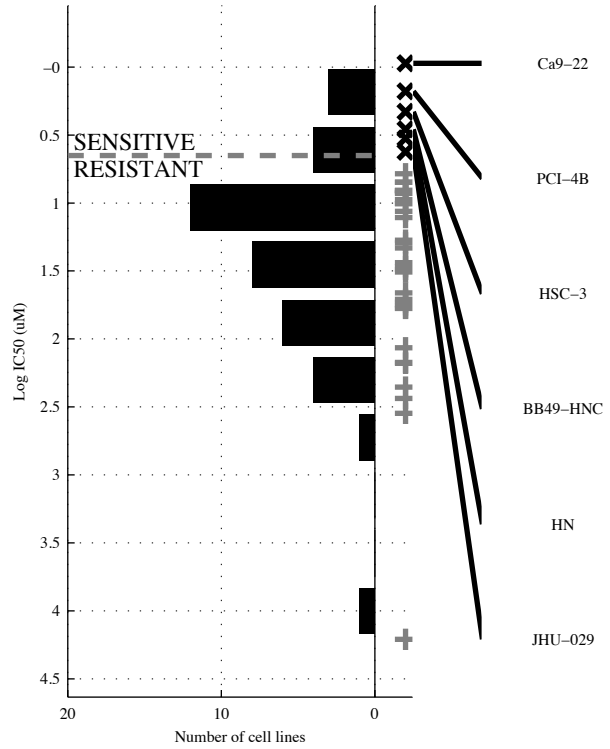
38 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>CASP8</b>	<b>CASP8 &amp; ¬d(ATP1)</b>	<b>¬PIK3CA &amp; a(CCNI) &amp; d18q22</b>	<b>¬NFE2L2 &amp; PIK3CA &amp; ¬a(CCNI) &amp; d18q22</b>	<b>CASP8   HLA-A</b>	<b>[ CASP8 &amp; ¬d(ATP1)   ¬a(CCNI) &amp; d(FAT1) ]</b>	<b>HLA-A   HRAS   MAPK P</b>	<b>HLA-A NOTCH1   a(FANCI   PI3K o</b>
TP   FP	2   4	2   3	3   3	3   2	3   4	6   5	3   4	4   4
Specificity	0.88	0.91	0.91	0.94	0.88	0.84	0.88	0.88
FN   TN	4   28	4   29	3   29	3   30	3   28	0   27	3   28	2   28
Precision	0.33	0.4	0.5	0.6	0.43	0.55	0.43	0.5
Recall	0.33	0.33	0.5	0.5	0.5	1	0.5	0.67

HNSC  
 id: 1243 name: piperlongumine  
 target: Increases ROS levels class: other

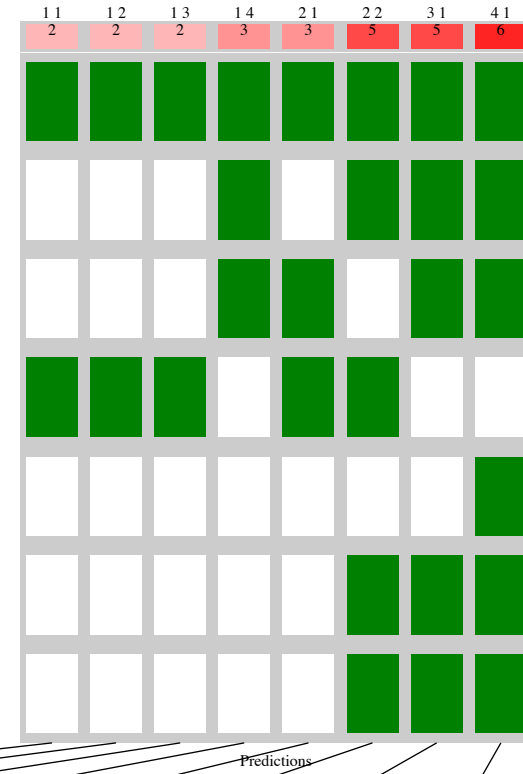
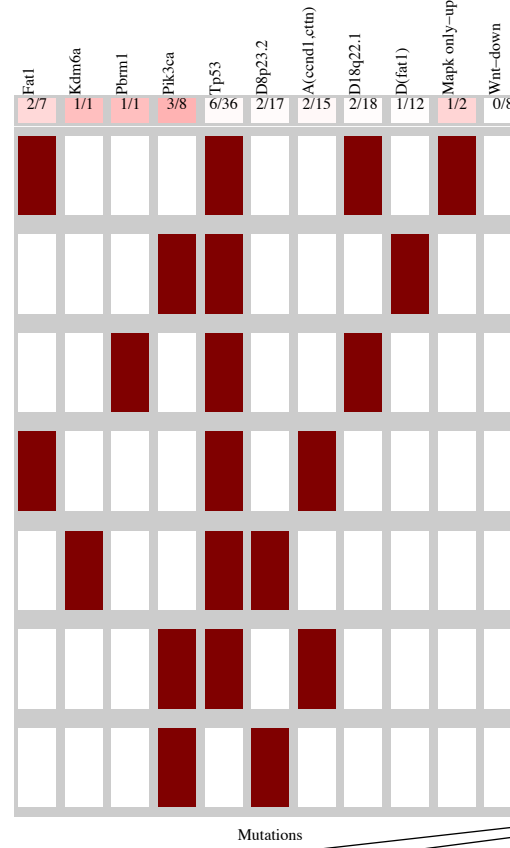
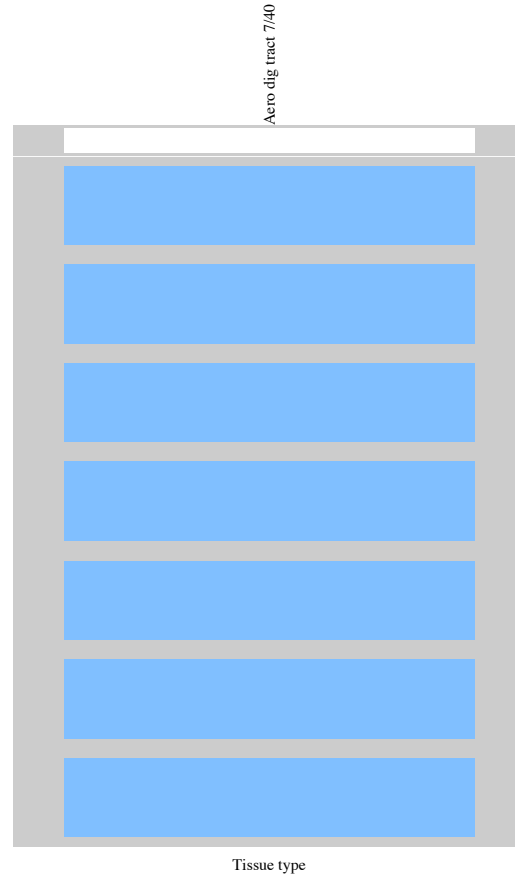
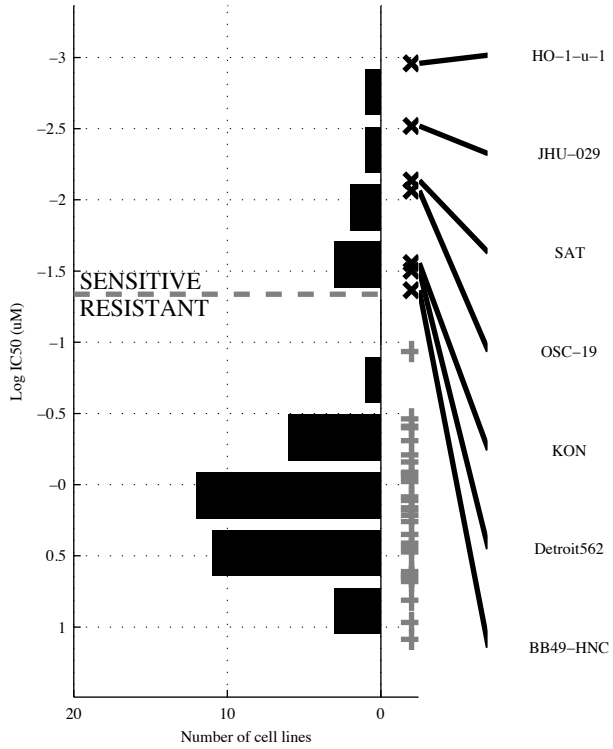
39 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MAPK P</b>	<b>a(EGFR&amp;d(CDKN</b>	<b>a(EGFR&amp;d(CDKN&amp;</b>	<b>-d8p23.&amp;a(FAN&amp;</b>	<b>APC  MAPK P</b>	<b>[a(EGFR&amp;d(CDKN]</b>   <b>[ CASP8 &amp;-d(ATP1]</b>	<b>HRAS  MAPK P </b>	<b>HRAS  MAPK P </b>
TP   FP	2   1	3   0	3   0	4   0	3   1	5   3	3   1	3   1
Specificity	0.97	1	1	1	0.97	0.91	0.97	0.97
FN   TN	4   32	3   33	3   33	2   33	3   32	1   30	3   32	3   32
Precision	0.67	1	1	1	0.75	0.63	0.75	0.75
Recall	0.33	0.5	0.5	0.67	0.5	0.83	0.5	0.5

HNSC  
 id: 1261 name: rTRAIL  
 target: TR10A (DR4), TR10B (DR5) class: apoptosis regulation

40 cell lines  
 7 sensitive

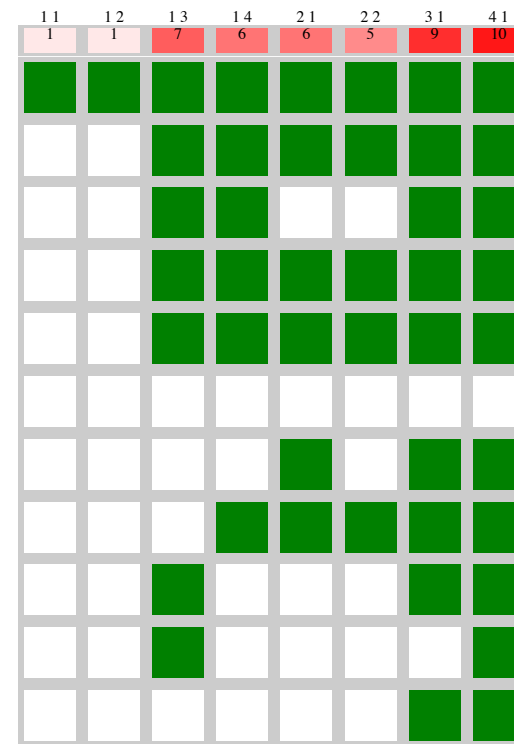
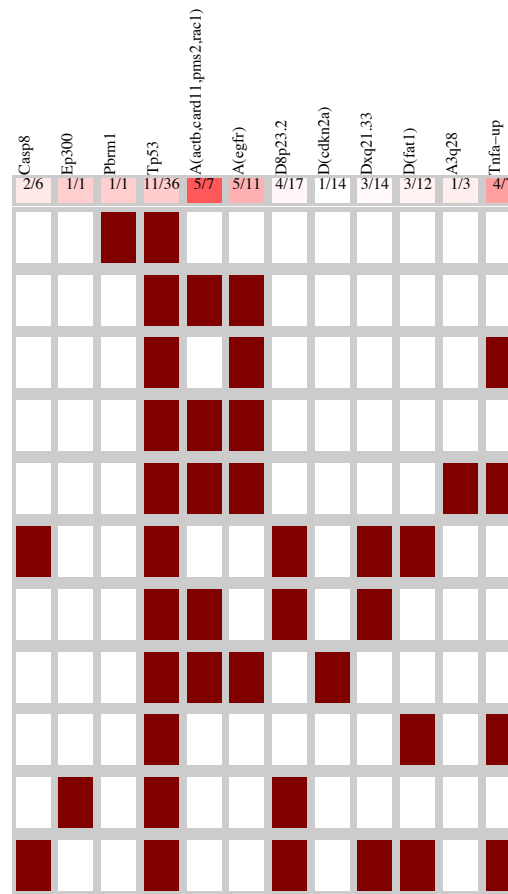
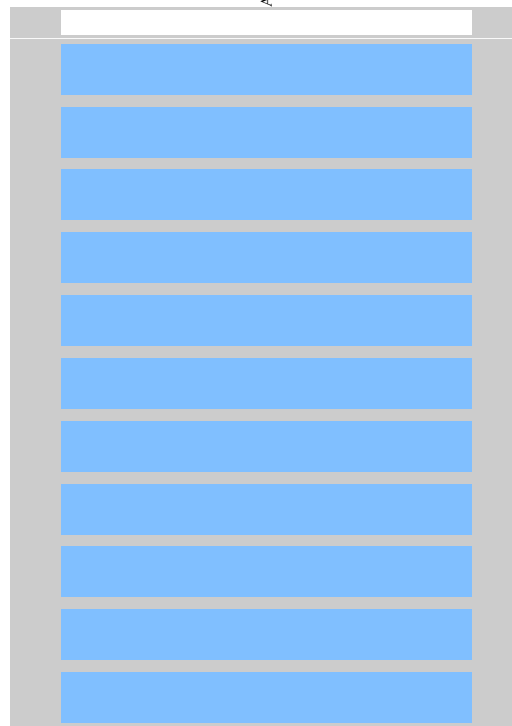
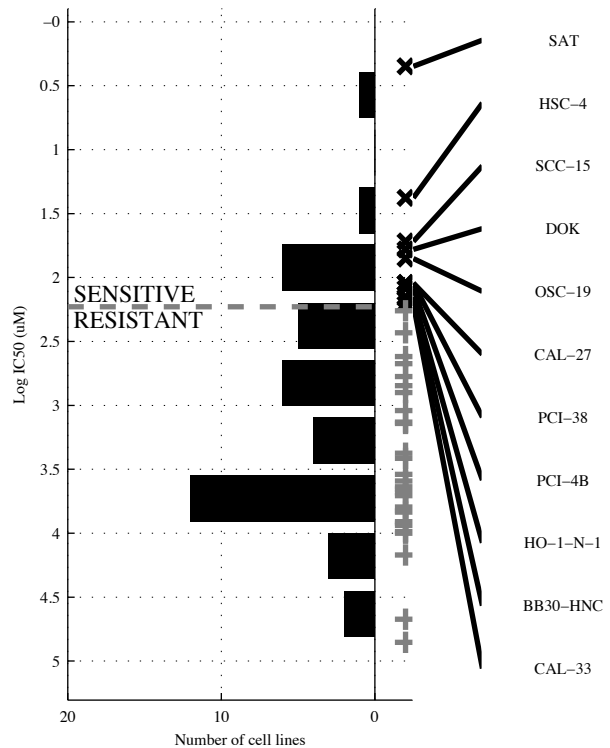


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>FAT1</b>	<b>FAT1 &amp; -d8p23.</b>	<b>FAT1 &amp; -d8p23 &amp; -d(FAT1</b>	<b>TP53 &amp; -d8p23 &amp; -a(CCND1 &amp; Wnt-DO</b>	<b>FAT1   PBRM1</b>	<b>[PIK3CA &amp; -d18q22.]   [FAT1 &amp; -d8p23.]</b>	<b>PBRM1   PIK3CA   MAPK o</b>	<b>KDM6A   PBRM1   PIK3CA   MAPK o</b>
TP   FP Specificity	2   5 0.85	2   1 0.97	2   0 1	3   5 0.85	3   5 0.85	5   2 0.94	5   6 0.82	6   6 0.82
FN   TN Precision	5   28 0.29	5   32 0.67	5   33 1	4   28 0.38	4   28 0.38	2   31 0.71	2   27 0.45	1   27 0.5
Recall	0.29	0.29	0.29	0.43	0.43	0.71	0.71	0.86

HNSC  
 id: 1268 name: XAV 939  
 target: TNKS1 (tankyrase-1) class: WNT signaling

40 cell lines  
 11 sensitive

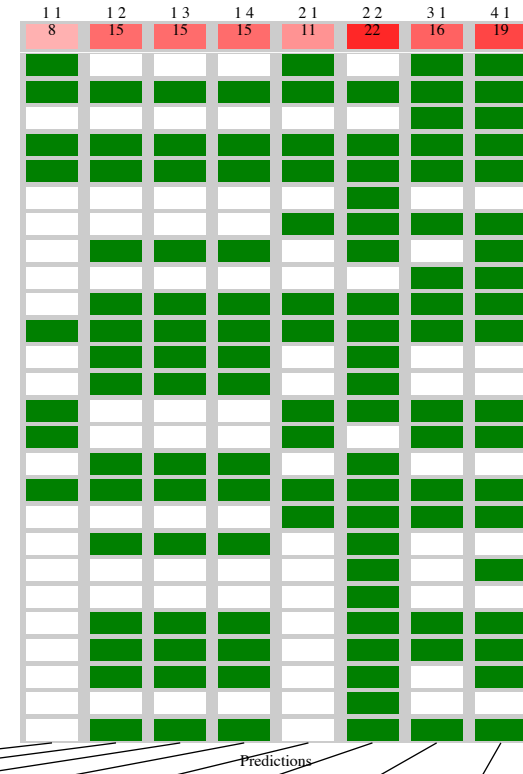
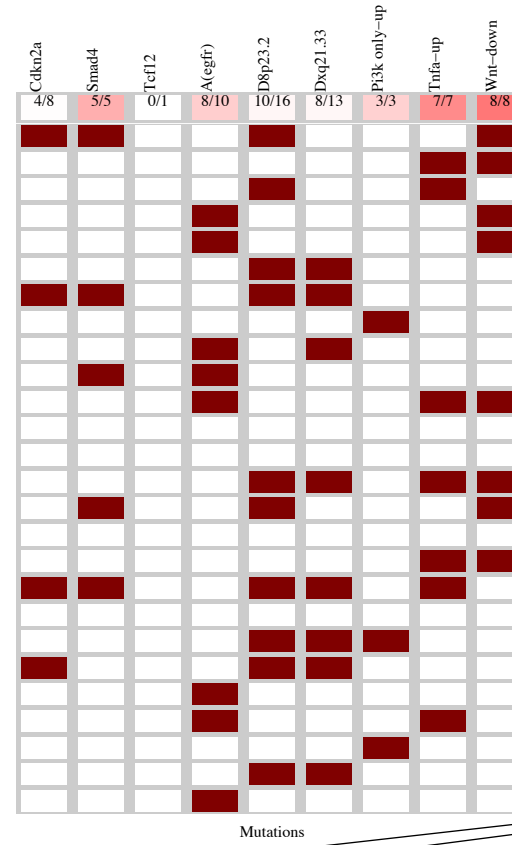
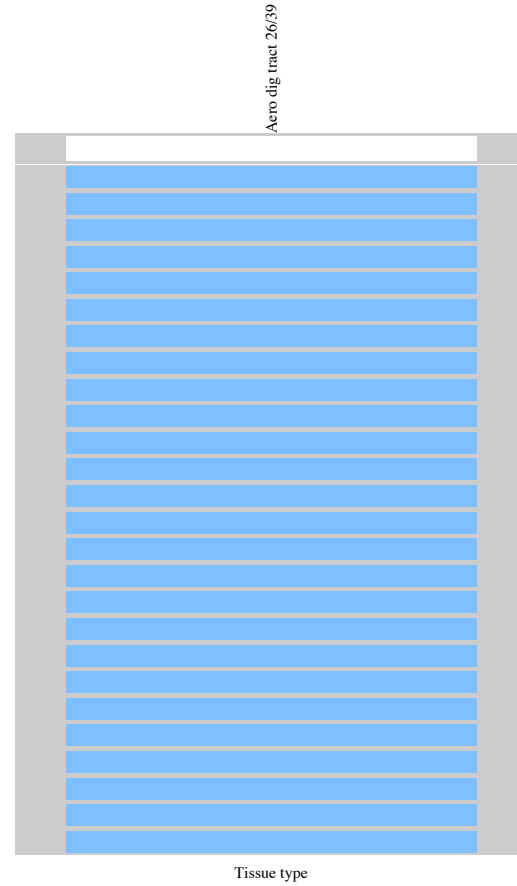
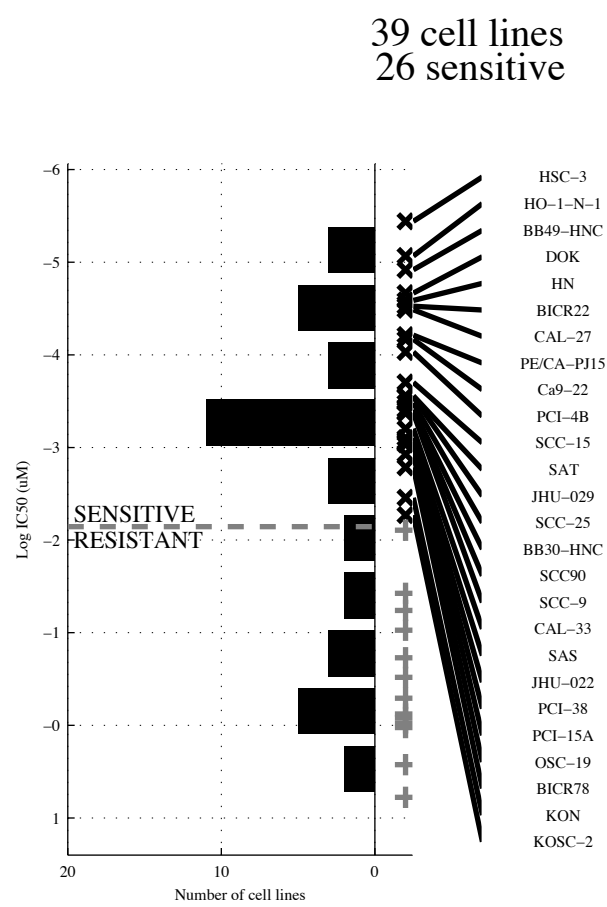
Aero dig tract 11/40



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>PBRM1</b>	<b>PBRM1 &amp;</b>	<b>-CASP8 &amp; d(CDK1 &amp;</b> <b>-dXq21.</b>	<b>TP53 &amp; -d8p23 &amp;</b> <b>-dXq21 &amp; -d(FAT1</b>	<b>PBRM1   a(ACTB</b>	<b>[ a(ACTB &amp; a(EGFR ]</b> <b> </b> <b>[ PBRM1 &amp; -a3q28 ]</b>	<b>PBRM1   a(ACTB  </b> <b>TNFA-U</b>	<b>EP300   PBRM1  </b> <b>a(ACTB   TNFA-U</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{10} \mid \frac{0}{29}$ 1 0.091	$\frac{1}{10} \mid \frac{0}{29}$ 1 0.091	$\frac{7}{4} \mid \frac{5}{24}$ 0.83 0.58 0.64	$\frac{6}{5} \mid \frac{5}{24}$ 0.83 0.55	$\frac{6}{5} \mid \frac{2}{27}$ 0.93 0.75 0.55	$\frac{5}{6} \mid \frac{0}{29}$ 1 1 0.45	$\frac{9}{2} \mid \frac{5}{24}$ 0.83 0.64 0.82	$\frac{10}{1} \mid \frac{5}{24}$ 0.83 0.67 0.91

HNSC  
 id: 1372 name: Trametinib  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

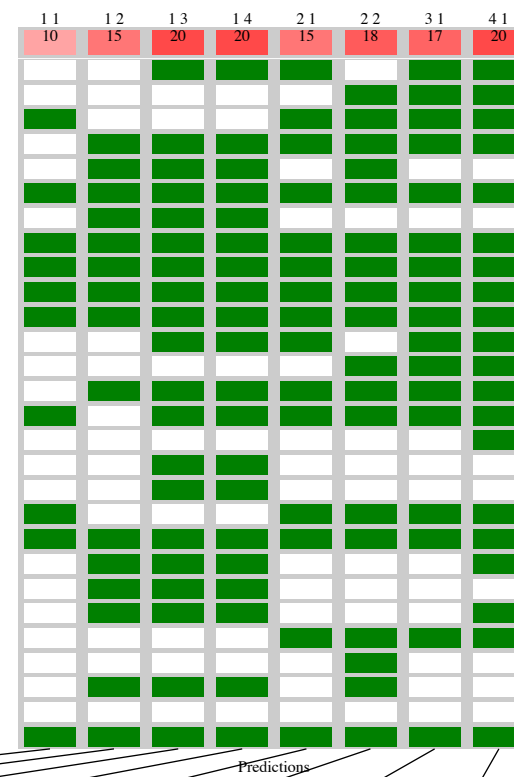
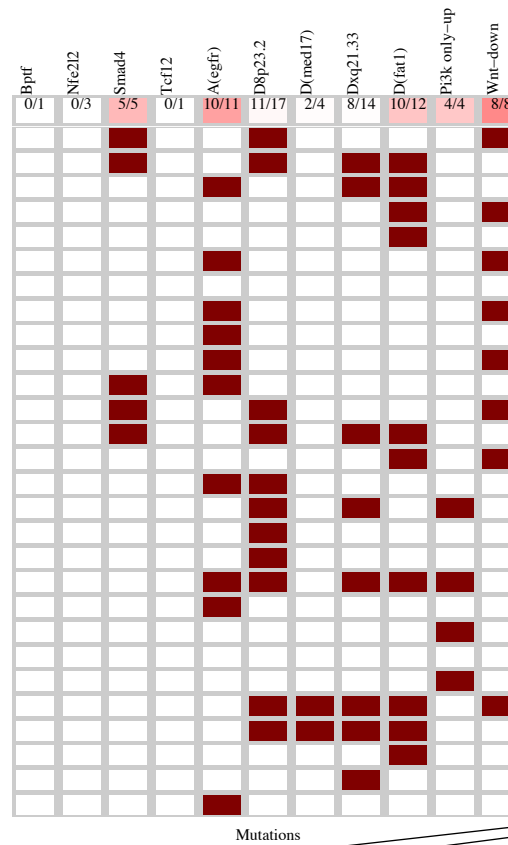
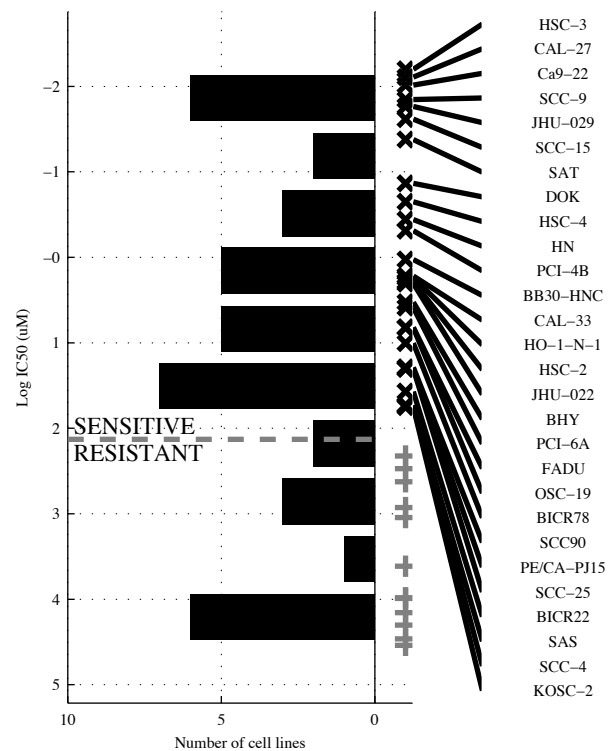
39 cell lines  
 26 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>Wnt-DO</b>	<b>-d8p23.&amp;-dXq21.</b>	<b>-TCF12&amp;-d8p23.&amp;-dXq21.</b>	<b>-CDKN2&amp;-TCF12&amp;-d8p23.&amp;-dXq21.</b>	<b>SMAD4   Wnt-DO</b>	<b>[ -d8p23.&amp;-dXq21. ]   [ d8p23. &amp;dXq21. ]</b>	<b>SMAD4   a(EGFR)   TNFa-U</b>	<b>SMAD4   a(EGFR)   PI3K o   TNFa-U</b>
TP   FP Specificity	8   0 1	15   2 0.85	15   1 0.92	15   0 1	11   0 1	22   2 0.85	16   2 0.85	19   2 0.85
FN   TN Precision	18   13 1	11   11 0.88	11   12 0.94	11   13 1	15   13 1	4   11 0.92	10   11 0.89	7   11 0.9
Recall	0.31	0.58	0.58	0.58	0.42	0.85	0.62	0.73

HNSC  
 id: 1377 name: Afatinib (rescreen)  
 target: ERBB2, EGFR class: EGFR signaling

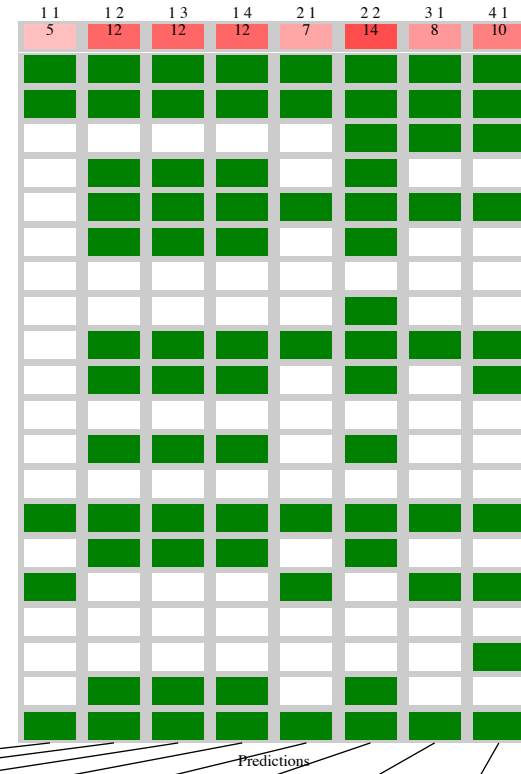
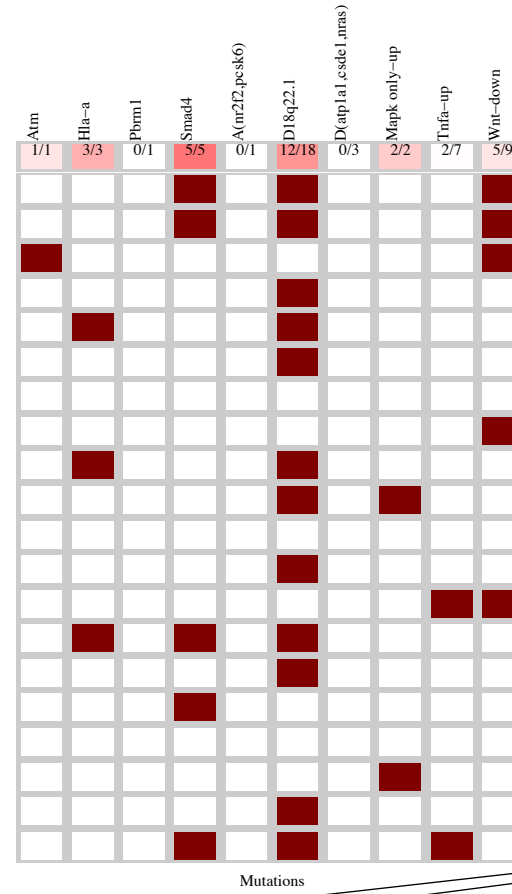
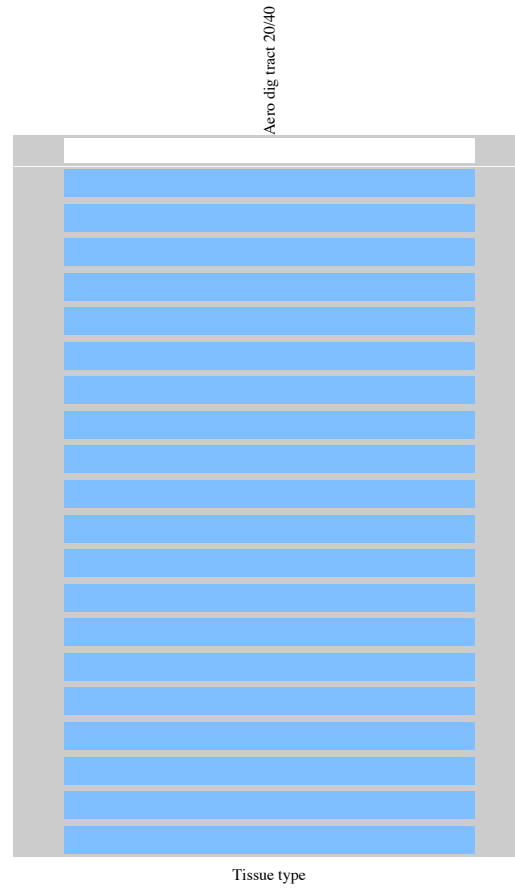
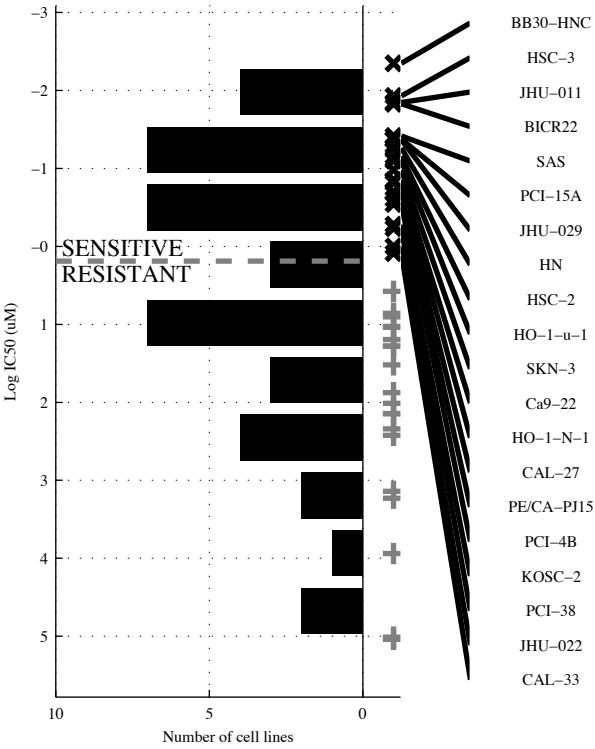
40 cell lines  
 28 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>a(EGFR)</b>		<b>-d8p23.&amp;-dXq21.</b>		<b>-NFE2L&amp;d(MED&amp;-dXq21.</b>		<b>-BPTF &amp;NFE2L&amp;-d(MED&amp;-dXq21.</b>		<b>a(EGFR   Wnt-DO</b>		<b>[ -BPTF &amp;a(EGFR)   [-TCF12&amp;d(FAT1)</b>		<b>SMAD4   a(EGFR)   Wnt-DO</b>		<b>SMAD4   a(EGFR)   PI3K o   Wnt-DO</b>	
TP   FP Specificity	10   1	0.92	15   2	0.83	20   2	0.83	20   1	0.92	15   1	0.92	18   1	0.92	17   1	0.92	20   1	0.92
FN   TN Precision	18   11	0.91	13   10	0.88	8   10	0.91	8   11	0.95	13   11	0.94	10   11	0.95	11   11	0.94	8   11	0.95
Recall	0.36		0.54		0.71		0.71		0.54		0.64		0.61		0.71	

HNSC  
 id: 1378 name: Bleomycin (50 uM)  
 target: DNA damage class: DNA replication

40 cell lines  
 20 sensitive

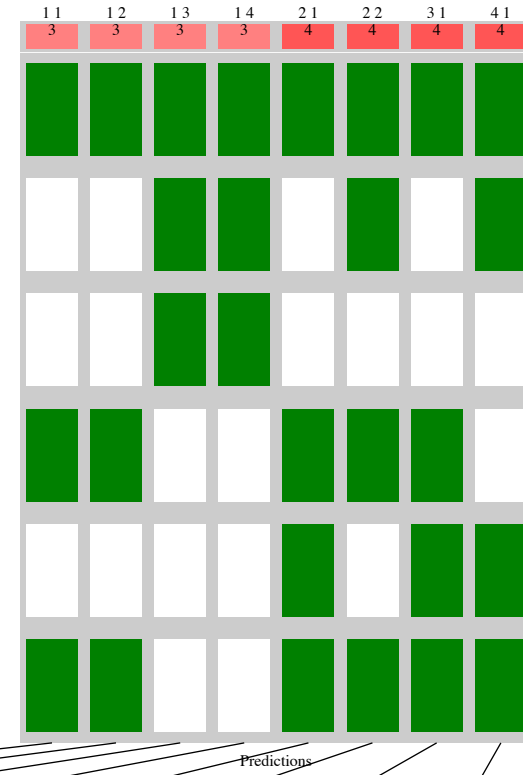
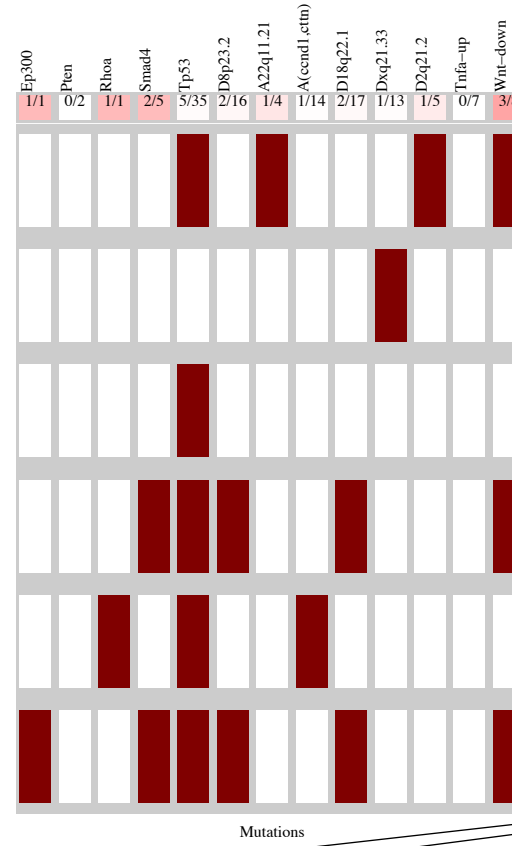
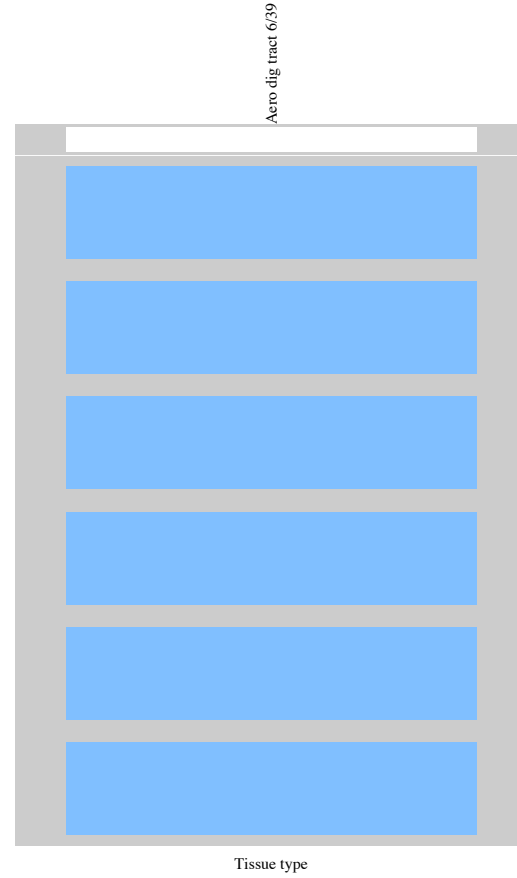
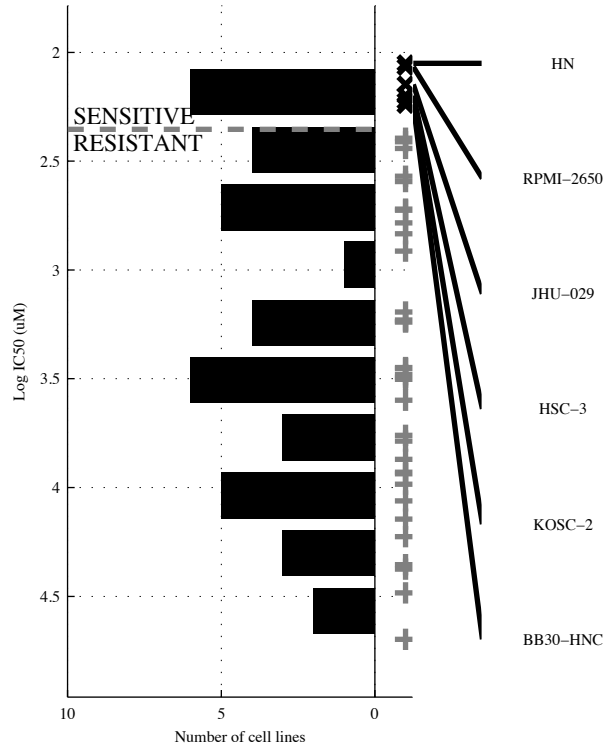


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>SMAD4</b>	<b>d18q22 &amp; -d(ATP1)</b>	<b>-a(NR2F1 &amp; d18q22 &amp; -d(ATP1)</b>	<b>-PBRM1 &amp; -a(NR2F1 &amp; d18q22 &amp; -d(ATP1)</b>	<b>HLA-A   SMAD4</b>	<b>[ d18q22 &amp; -d(ATP1)   -TNF-a-up &amp; Wnt-down ]</b>	<b>ATM   HLA-A   SMAD4</b>	<b>ATM   HLA-A   SMAD4   MAPK o</b>
TP   FP	5   0	12   4	12   3	12   2	7   0	14   4	8   0	10   0
Specificity	1	0.8	0.85	0.9	1	0.8	1	1
FN   TN	15   20	8   16	8   17	8   18	13   20	6   16	12   20	10   20
Precision	1	0.75	0.8	0.86	1	0.78	1	1
Recall	0.25	0.6	0.6	0.6	0.35	0.7	0.4	0.5



HNSC  
 id: 1495 name: Olaparib  
 target: PARP1, PARP2 class: Genome integrity

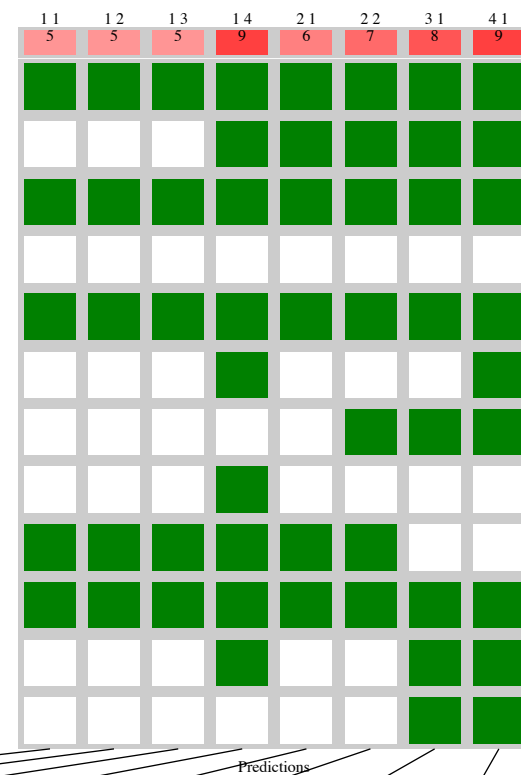
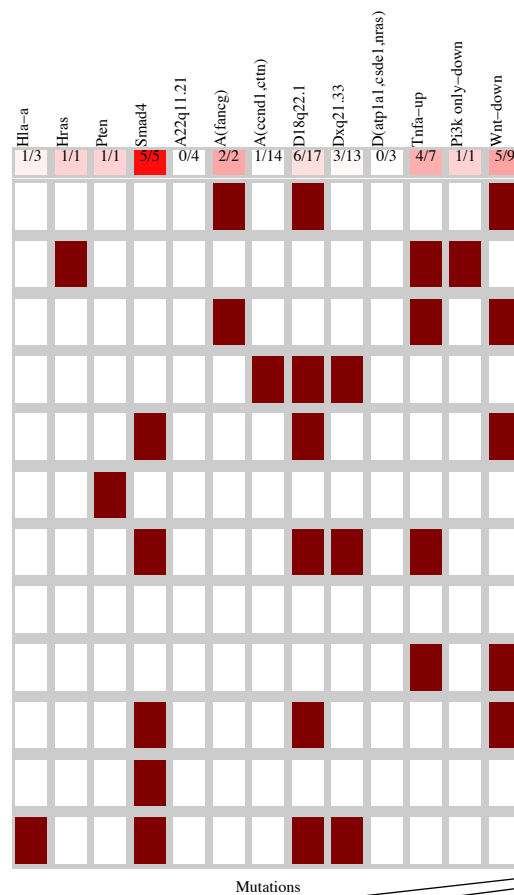
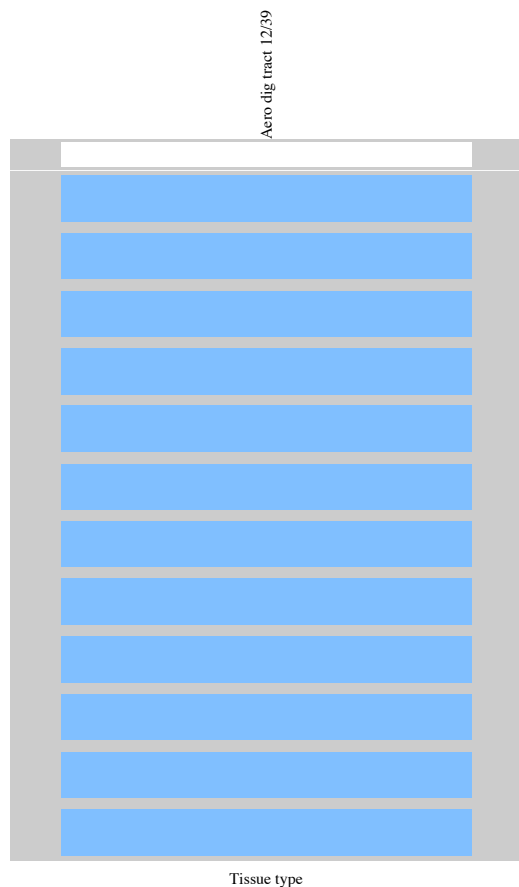
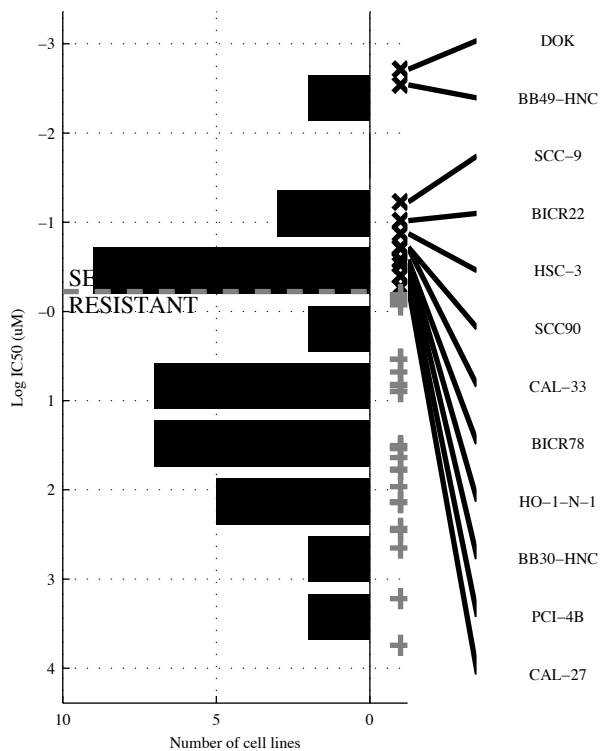
39 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>Wnt-DO</b>	<b>-TNFa- &amp; Wnt-DO</b>	<b>-d8p23.2 &amp; a(CCNI&amp; -d18q22</b>	<b>-PTEN &amp; -d8p23.2 &amp; -a(CCNI&amp;-d18q22</b>	<b>RHOA   Wnt-DO</b>	<b>[ -TNFa- &amp; Wnt-DO ]   [ -TP53 &amp; dXq21. ]</b>	<b>RHOA   SMAD4   a22q11</b>	<b>EP300   RHOA   -TP53   d2q21.</b>
TP   FP	3   5	3   1	3   5	3   4	4   5	4   1	4   6	4   6
Specificity	0.85	0.97	0.85	0.88	0.85	0.97	0.82	0.82
FN   TN	3   28	3   32	3   28	3   29	2   28	2   32	2   27	2   27
Precision	0.38	0.75	0.38	0.43	0.44	0.8	0.4	0.4
Recall	0.5	0.5	0.5	0.5	0.67	0.67	0.67	0.67

HNSC  
 id: 1498 name: AZD6244  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

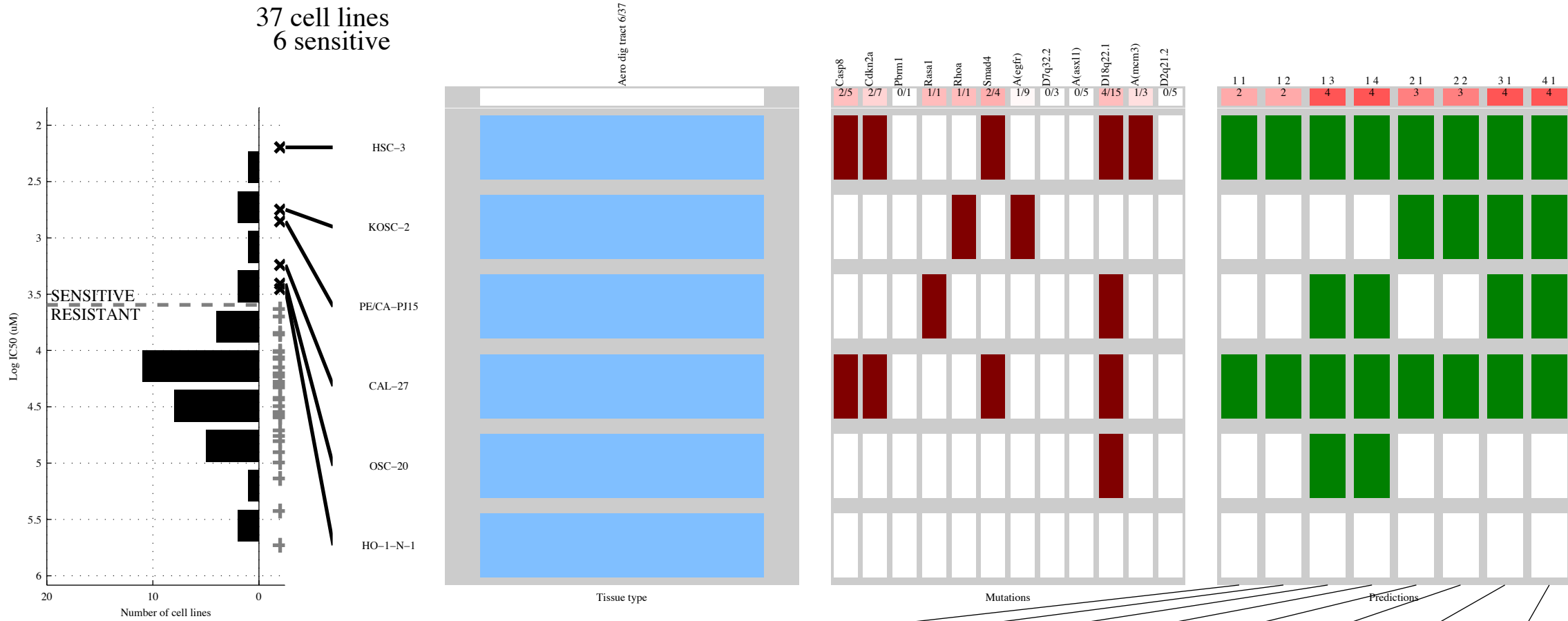
39 cell lines  
 12 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>Wnt-DO</b>	<b>a(CCNI&amp;Wnt-DO</b>	<b>a22q11&amp;a(CCNI&amp;</b>	<b>-HLA-A&amp;a(CCNI&amp;</b>	<b>PI3K o  Wnt-DO</b>	<b>[ d18q22&amp;Wnt-DO]</b>	<b>HRAS   SMAD4  </b>	<b>PTEN   SMAD4  </b>
		<b>Wnt-DO</b>	<b>Wnt-DO</b>	<b>-dXq21&amp;-d(ATP1</b>		<b>[ a(d18q22&amp;Wnt-DO)]</b>	<b>a(FANC</b>	<b>a(FANC   PI3K o</b>
TP   FP	5   4	5   1	5   0	9   5	6   4	7   0	8   0	9   0
Specificity	0.85	0.96	1	0.81	0.85	1	1	1
FN   TN	7   23	7   26	7   27	3   22	6   23	5   27	4   27	3   27
Precision	0.56	0.83	1	0.64	0.6	1	1	1
Recall	0.42	0.42	0.42	0.75	0.5	0.58	0.67	0.75

HNSC  
 id: 1502 name: Bicalutamide  
 target: ANDR (androgen receptor) class: other

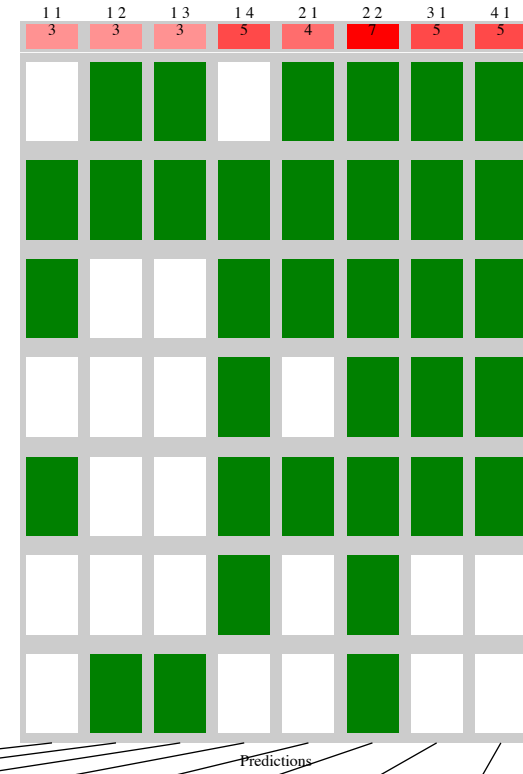
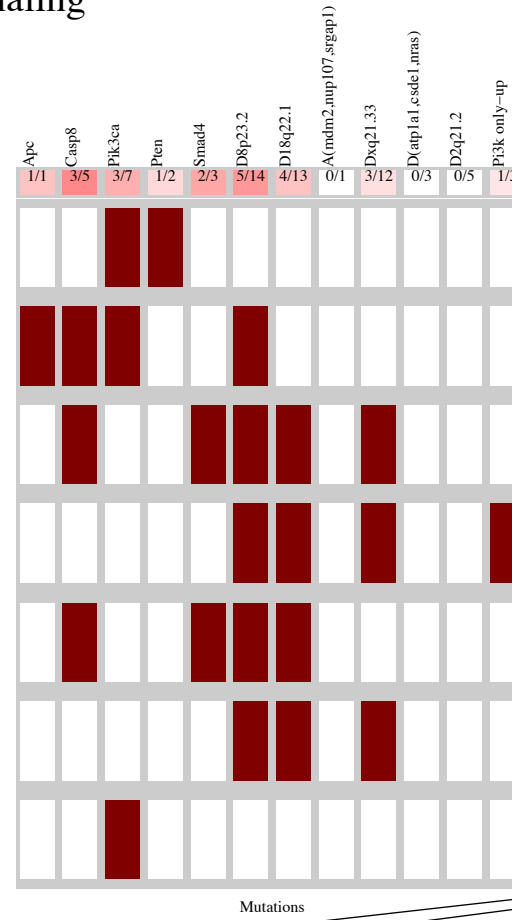
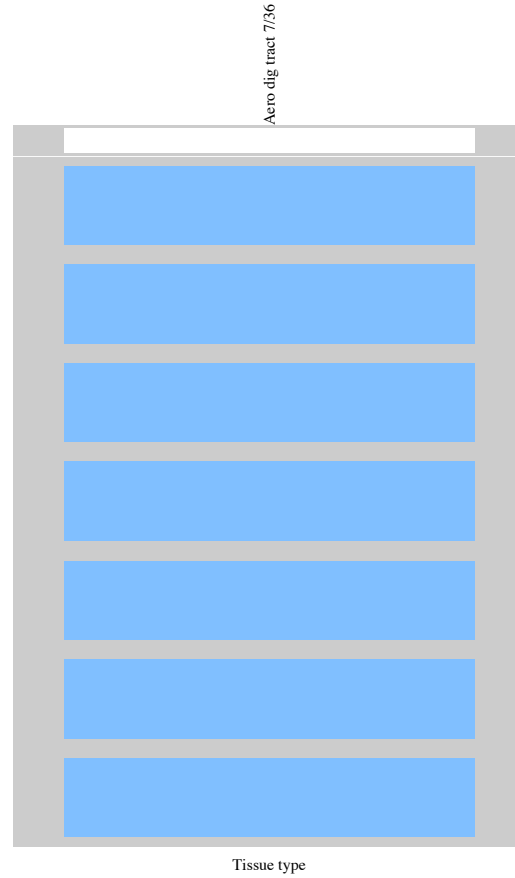
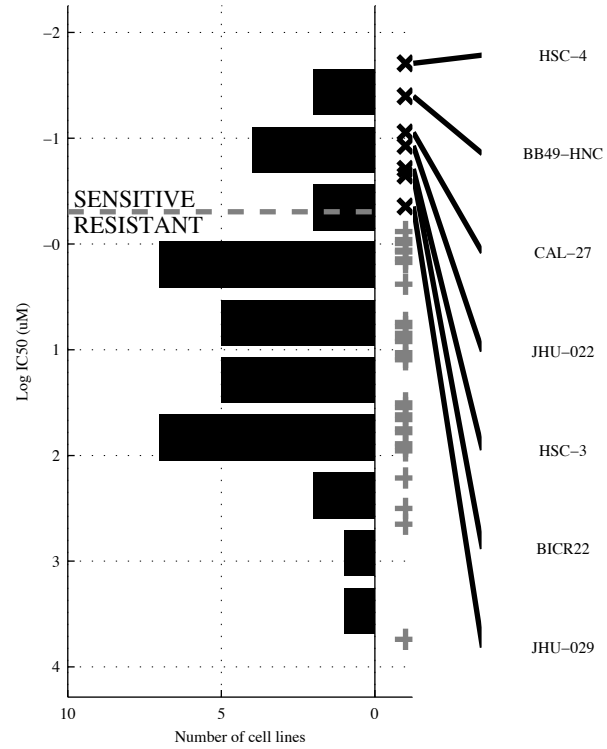
37 cell lines  
 6 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1																																																																							
K	M																																																																																					
Logic formula	<b>SMAD4</b>		<b>CASP8 &amp; SMAD4</b>		<b>¬a(EGFR &amp; d18q22 &amp; d2q21.</b>		<b>¬PBRM1 &amp; ¬d7q32 &amp; ¬a(ASX1 &amp; d18q22</b>		<b>RHOA   SMAD4</b>		<b>[ RHOA &amp; a(MCM3)   [CDKN2A &amp; SMAD4 ]</b>		<b>RASA1   RHOA   SMAD4</b>		<b>RASA1   RHOA   SMAD4  </b>																																																																							
<table border="0"> <tr> <td>TP</td><td>FP</td><td>Specificity</td> </tr> <tr> <td>FN</td><td>TN</td><td>Recall</td> </tr> </table>	TP	FP	Specificity	FN	TN	Recall	<table border="0"> <tr> <td>2</td><td>2</td><td>0.94</td> </tr> <tr> <td>4</td><td>29</td><td>0.5</td> </tr> <tr> <td>4</td><td>29</td><td>0.33</td> </tr> </table>	2	2	0.94	4	29	0.5	4	29	0.33	<table border="0"> <tr> <td>2</td><td>0</td><td>1</td> </tr> <tr> <td>4</td><td>31</td><td>1</td> </tr> <tr> <td>4</td><td>31</td><td>0.33</td> </tr> </table>	2	0	1	4	31	1	4	31	0.33	<table border="0"> <tr> <td>4</td><td>6</td><td>0.81</td> </tr> <tr> <td>2</td><td>25</td><td>0.4</td> </tr> <tr> <td>2</td><td>25</td><td>0.67</td> </tr> </table>	4	6	0.81	2	25	0.4	2	25	0.67	<table border="0"> <tr> <td>4</td><td>6</td><td>0.81</td> </tr> <tr> <td>2</td><td>25</td><td>0.4</td> </tr> <tr> <td>2</td><td>25</td><td>0.67</td> </tr> </table>	4	6	0.81	2	25	0.4	2	25	0.67	<table border="0"> <tr> <td>3</td><td>2</td><td>0.94</td> </tr> <tr> <td>3</td><td>29</td><td>0.6</td> </tr> <tr> <td>3</td><td>29</td><td>0.5</td> </tr> </table>	3	2	0.94	3	29	0.6	3	29	0.5	<table border="0"> <tr> <td>3</td><td>0</td><td>1</td> </tr> <tr> <td>3</td><td>31</td><td>1</td> </tr> <tr> <td>3</td><td>31</td><td>0.5</td> </tr> </table>	3	0	1	3	31	1	3	31	0.5	<table border="0"> <tr> <td>4</td><td>2</td><td>0.94</td> </tr> <tr> <td>2</td><td>29</td><td>0.67</td> </tr> <tr> <td>2</td><td>29</td><td>0.67</td> </tr> </table>	4	2	0.94	2	29	0.67	2	29	0.67	<table border="0"> <tr> <td>4</td><td>2</td><td>0.94</td> </tr> <tr> <td>2</td><td>29</td><td>0.67</td> </tr> <tr> <td>2</td><td>29</td><td>0.67</td> </tr> </table>	4	2	0.94	2	29	0.67	2	29	0.67
TP	FP	Specificity																																																																																				
FN	TN	Recall																																																																																				
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HNSC  
 id: 1526 name: RDEA119 (rescreen)  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

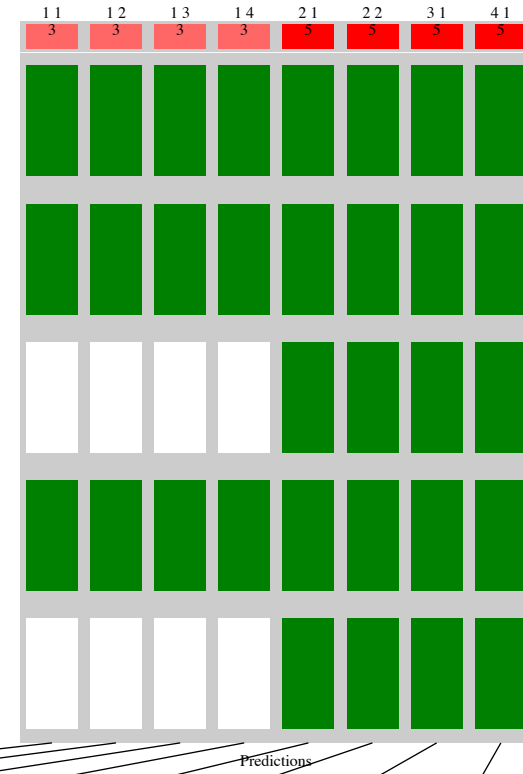
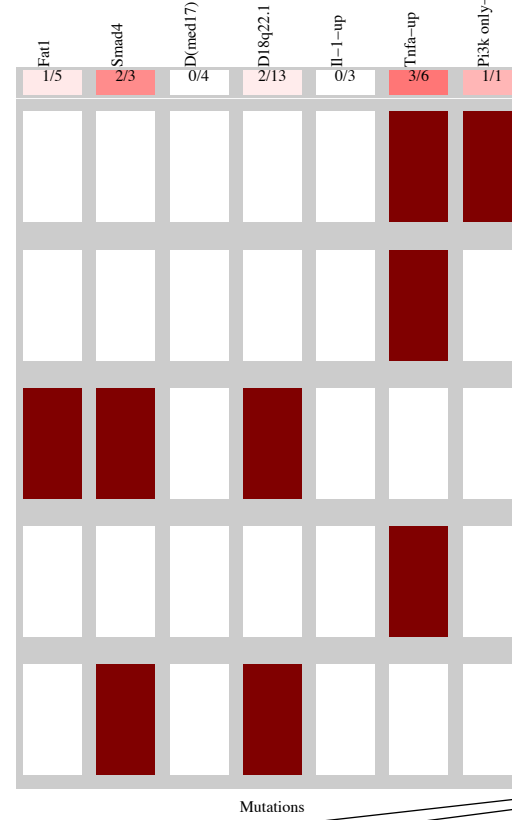
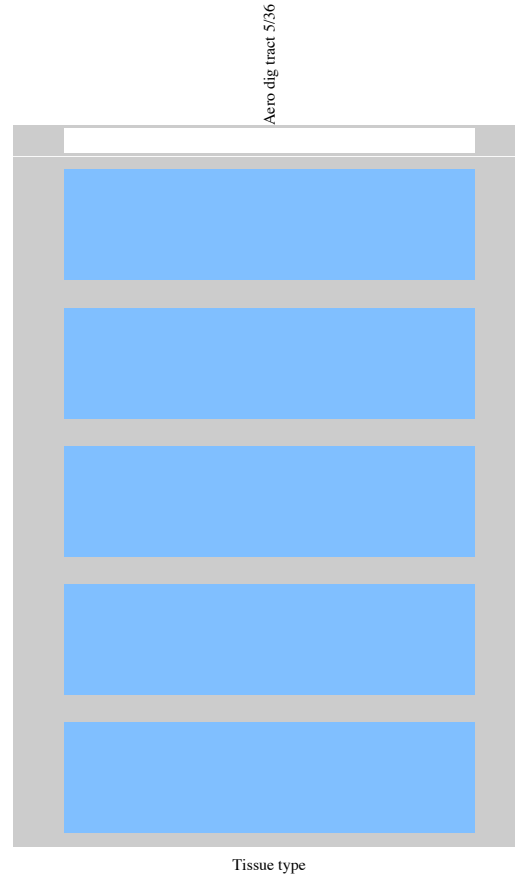
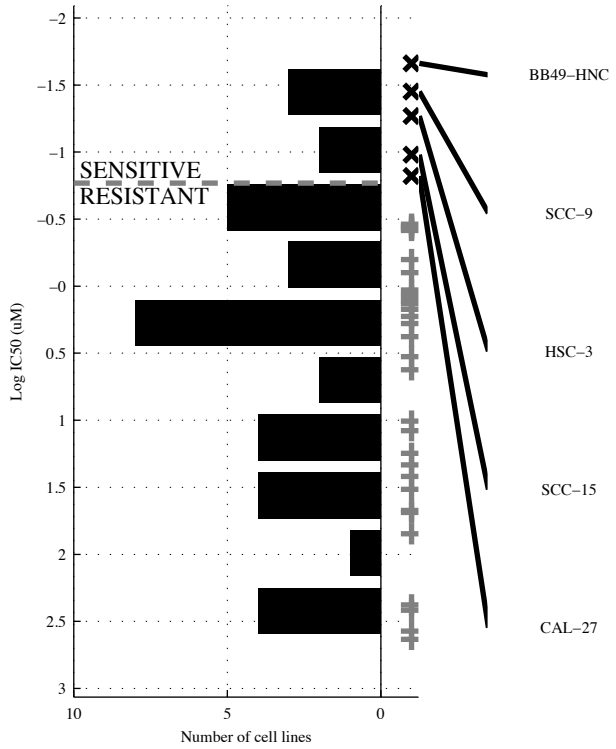
36 cell lines  
 7 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>CASP8</b>	<b>PIK3CA &amp; ~d18q22</b>	<b>PIK3CA &amp; ~dXq21 &amp; ~d2q21.</b>	<b>d8p23. &amp; a(MDM2) &amp; ~d(ATP2B2) &amp; ~d2q21.</b>	<b>CASP8   PTEN</b>	<b>[PIK3CA &amp; ~dXq21.]   [d8p23. &amp; d18q22]</b>	<b>CASP8   PTEN   PI3K o</b>	<b>APC   PTEN   SMAD4   PI3K o</b>
TP   FP	3   2	3   1	3   0	5   3	4   3	7   3	5   5	5   4
Specificity	0.93	0.97	1	0.9	0.9	0.9	0.83	0.86
FN   TN	4   27	4   28	4   29	2   26	3   26	0   26	2   24	2   25
Precision	0.6	0.75	1	0.63	0.57	0.7	0.5	0.56
Recall	0.43	0.43	0.43	0.71	0.57	1	0.71	0.71

HNSC  
 id: 1527 name: GDC0941 (rescreen)  
 target: PI3K class: PI3K signaling

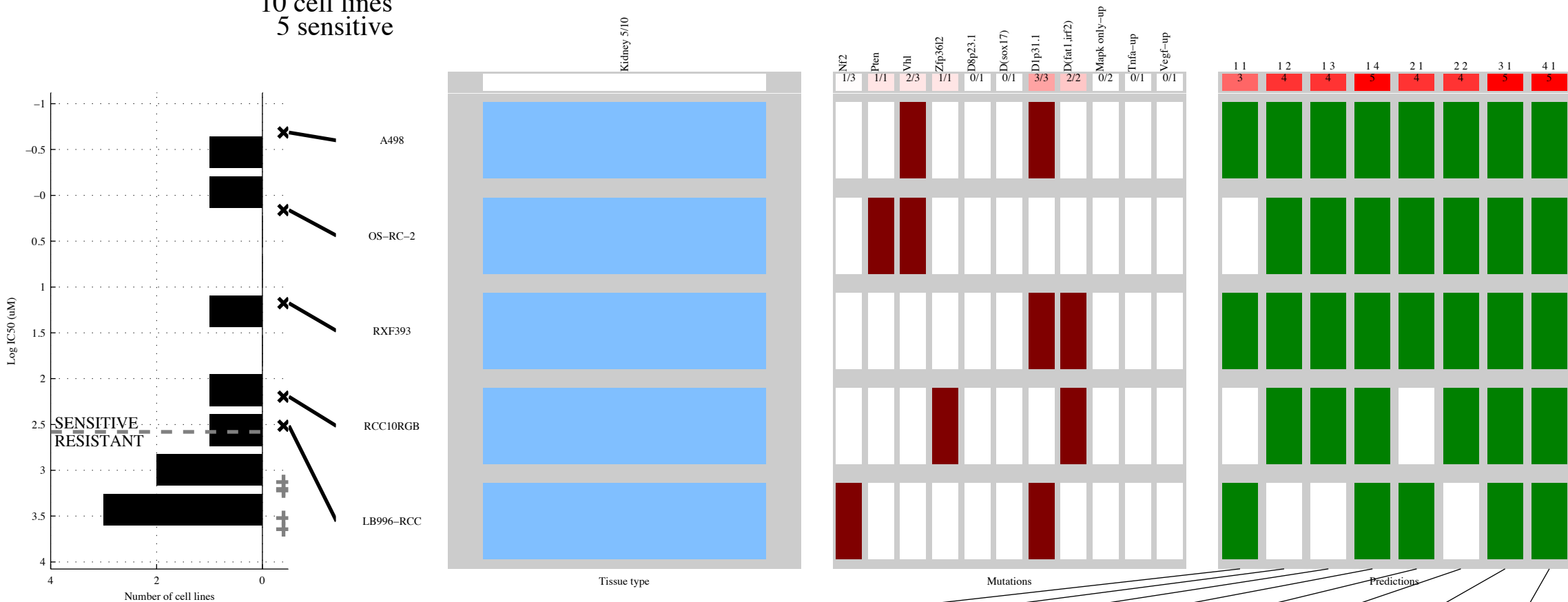
36 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>TNFa-U</b>	<b>~FAT1&amp;TNFa-U</b>	<b>~d(MED&amp;IL-1-U&amp;TNFa-U)</b>	<b>~d(MED&amp;IL-1-U&amp;TNFa-U&amp;</b>	<b>SMAD4   TNFa-U</b>	<b>[~IL-1-U&amp;TNFa-U]</b>   <b>[ SMAD4&amp;d18q22 ]</b>	<b>SMAD4   TNFa-U  </b>	<b>SMAD4   TNFa-U  </b>
TP   FP	3   3	3   1	3   0	3   0	5   4	5   1	5   4	5   4
Specificity	0.9	0.97	1	1	0.87	0.97	0.87	0.87
FN   TN	2   28	2   30	2   31	2   31	0   27	0   30	0   27	0   27
Precision	0.5	0.75	1	1	0.56	0.83	0.56	0.56
Recall	0.6	0.6	0.6	0.6	1	1	1	1

KIRC  
 id: 94 name: TGX221  
 target: PI3Kbeta class: PI3K signaling

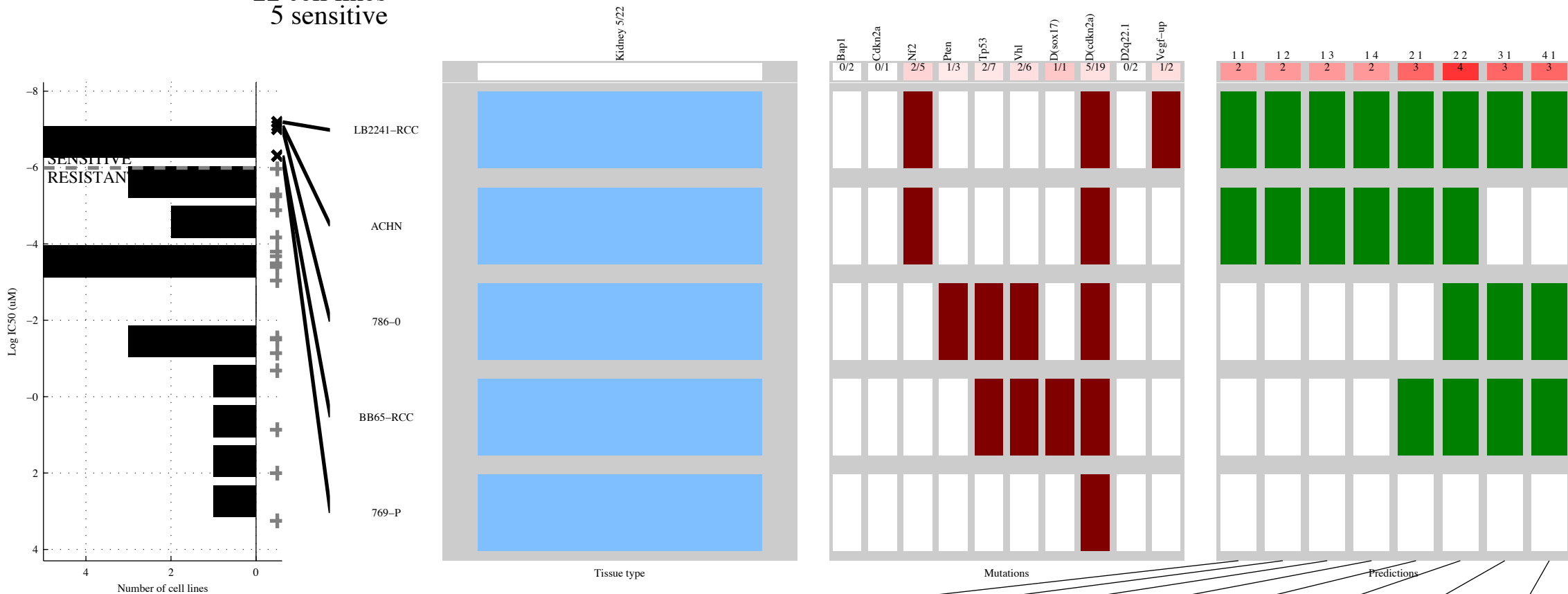
10 cell lines  
 5 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1																																																																							
K	M																																																																																					
Logic formula	<b>d1p31.</b>		<b>¬NF2 &amp; MAPK o</b>		<b>¬NF2 &amp; ¬d8p23 &amp; ¬MAPK o</b>		<b>¬d8p23 &amp; MAPK &amp; ¬TNFa- &amp; VEGF-U</b>		<b>PTEN   d1p31.</b>		<b>[¬d(SOX &amp; d(FAT1)   [ VHL &amp; d(SOX1]</b>		<b>PTEN   ZFP36L   d1p31.</b>		<b>PTEN   ZFP36L   d1p31.  </b>																																																																							
<table border="0"> <tr> <td>TP</td><td>FP</td><td>Specificity</td> </tr> <tr> <td>FN</td><td>TN</td><td>Precision</td> </tr> <tr> <td></td><td></td><td>Recall</td> </tr> </table>	TP	FP	Specificity	FN	TN	Precision			Recall	<table border="0"> <tr> <td>3</td><td>0</td><td>1</td> </tr> <tr> <td>2</td><td>5</td><td>1</td> </tr> <tr> <td></td><td></td><td>0.6</td> </tr> </table>	3	0	1	2	5	1			0.6	<table border="0"> <tr> <td>4</td><td>1</td><td>0.8</td> </tr> <tr> <td>1</td><td>4</td><td>0.8</td> </tr> </table>	4	1	0.8	1	4	0.8	<table border="0"> <tr> <td>4</td><td>0</td><td>1</td> </tr> <tr> <td>1</td><td>5</td><td>1</td> </tr> <tr> <td></td><td></td><td>0.8</td> </tr> </table>	4	0	1	1	5	1			0.8	<table border="0"> <tr> <td>5</td><td>0</td><td>1</td> </tr> <tr> <td>0</td><td>5</td><td>1</td> </tr> <tr> <td></td><td></td><td>1</td> </tr> </table>	5	0	1	0	5	1			1	<table border="0"> <tr> <td>4</td><td>0</td><td>1</td> </tr> <tr> <td>1</td><td>5</td><td>1</td> </tr> <tr> <td></td><td></td><td>0.8</td> </tr> </table>	4	0	1	1	5	1			0.8	<table border="0"> <tr> <td>4</td><td>0</td><td>1</td> </tr> <tr> <td>1</td><td>5</td><td>1</td> </tr> <tr> <td></td><td></td><td>0.8</td> </tr> </table>	4	0	1	1	5	1			0.8	<table border="0"> <tr> <td>5</td><td>0</td><td>1</td> </tr> <tr> <td>0</td><td>5</td><td>1</td> </tr> <tr> <td></td><td></td><td>1</td> </tr> </table>	5	0	1	0	5	1			1	<table border="0"> <tr> <td>5</td><td>0</td><td>1</td> </tr> <tr> <td>0</td><td>5</td><td>1</td> </tr> <tr> <td></td><td></td><td>1</td> </tr> </table>	5	0	1	0	5	1			1
TP	FP	Specificity																																																																																				
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KIRC  
 id: 135 name: Gemcitabine  
 target: DNA replication class: DNA replication

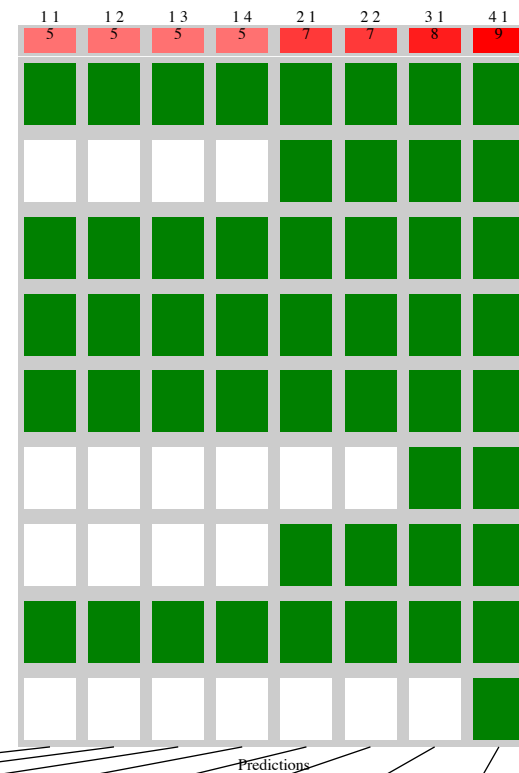
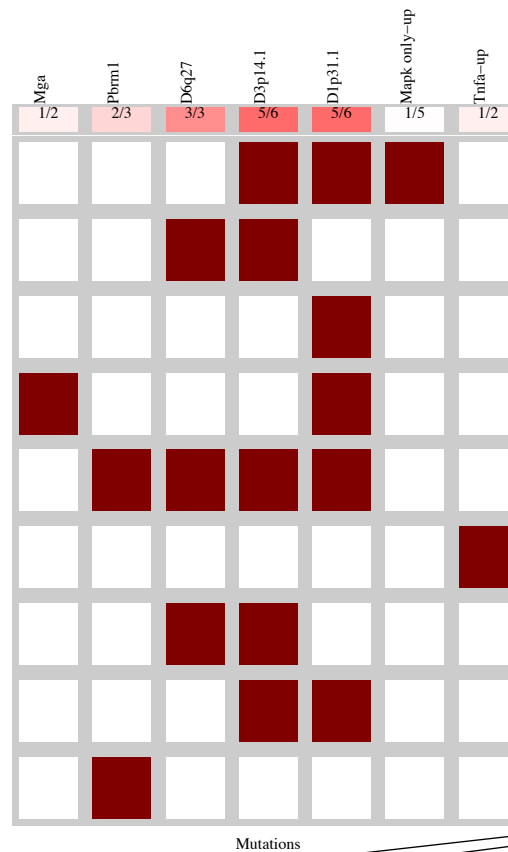
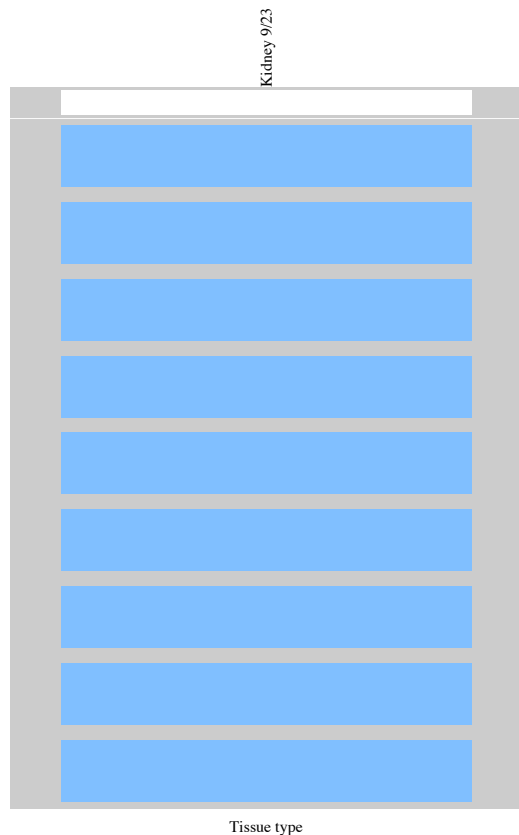
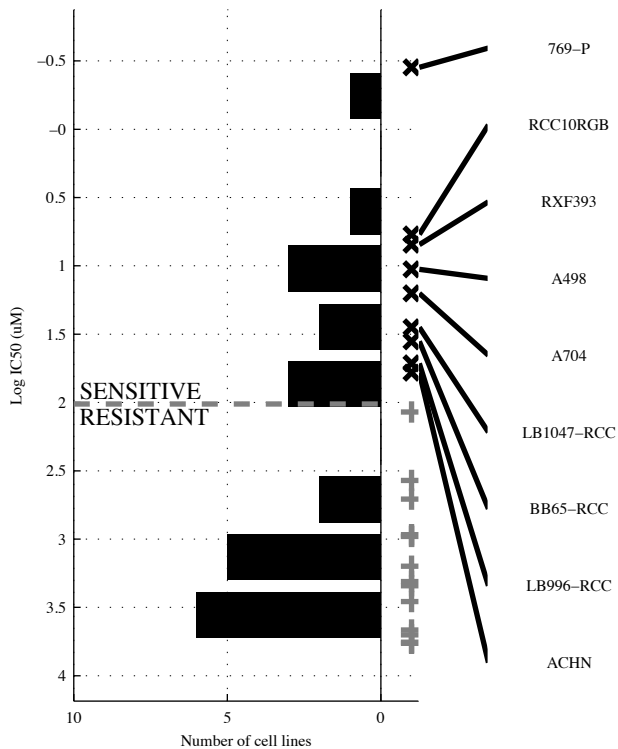
22 cell lines  
 5 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	1		1		1		1		2		2		3		4	
M	1		2		3		4		1		2		1		1	
Logic formula	<b>NF2</b>		<b>NF2 &amp; -TP53</b>		<b>-CDKN2&amp; NF2 &amp; -d2q22.</b>		<b>-BAP1&amp; NF2 &amp; d(CDKN&amp;-d2q22.</b>		<b>NF2   d(SOX1</b>		<b>[ TP53 &amp; VHL ]   [ NF2 &amp;d(CDKN]</b>		<b>PTEN   d(SOX1   VEGF-U</b>		<b>PTEN   d(SOX1   VEGF-U</b>	
TP   FP	2   3	0.82	2   2	0.88	2   0	1	2   0	1	3   3	0.82	4   3	0.82	3   3	0.82	3   3	0.82
FN   TN	3   14	0.4	3   15	0.5	3   17	1	3   17	1	2   14	0.5	1   14	0.57	2   14	0.5	2   14	0.5
Recall	0.4		0.4		0.4		0.4		0.6		0.8		0.6		0.6	

KIRC  
 id: 154 name: CHIR-99021  
 target: GSK3B class: WNT signaling

23 cell lines  
 9 sensitive

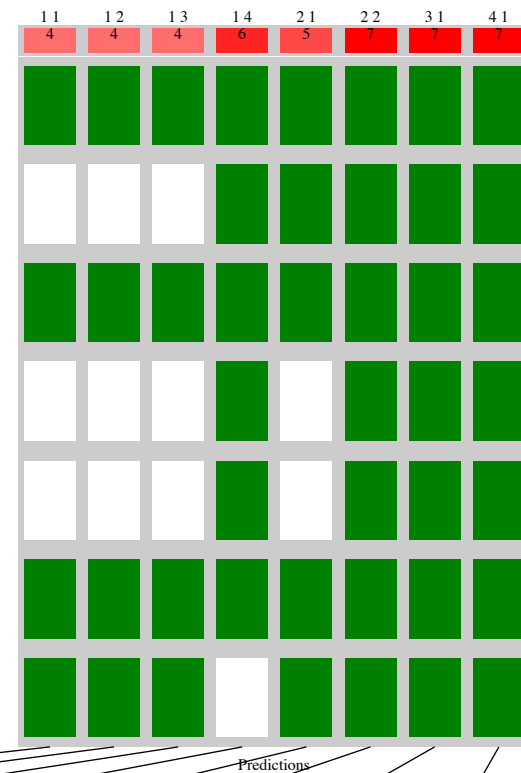
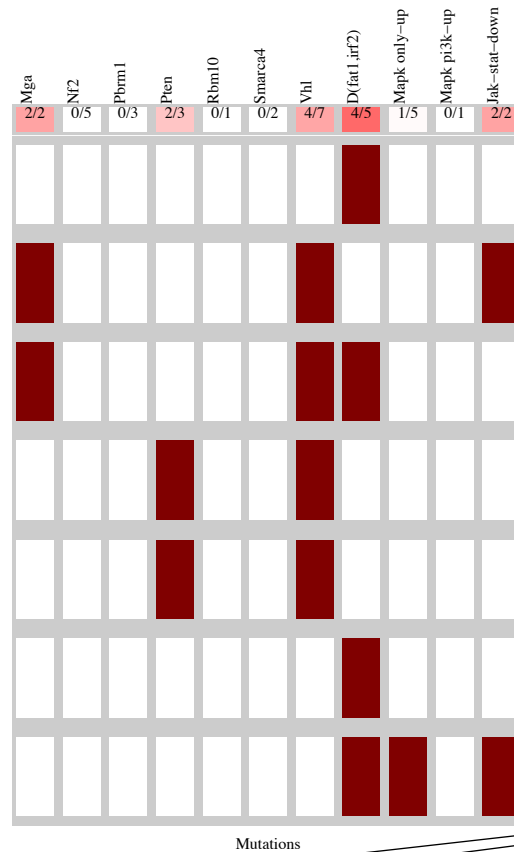
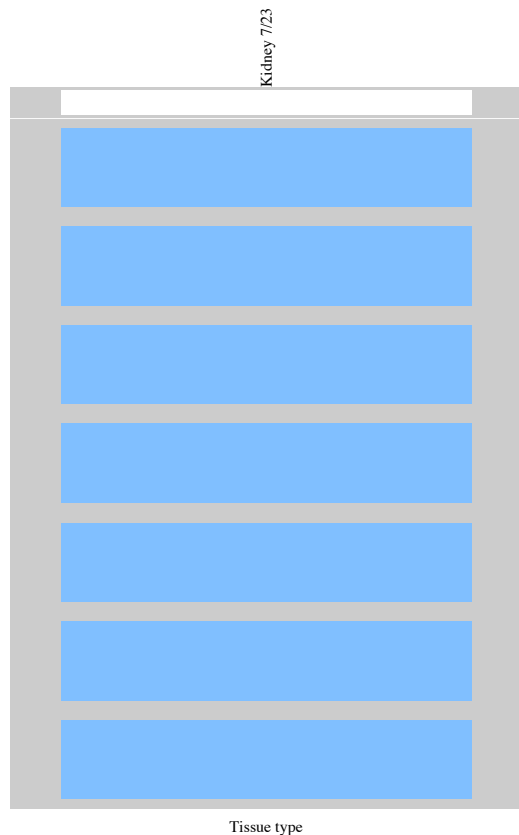
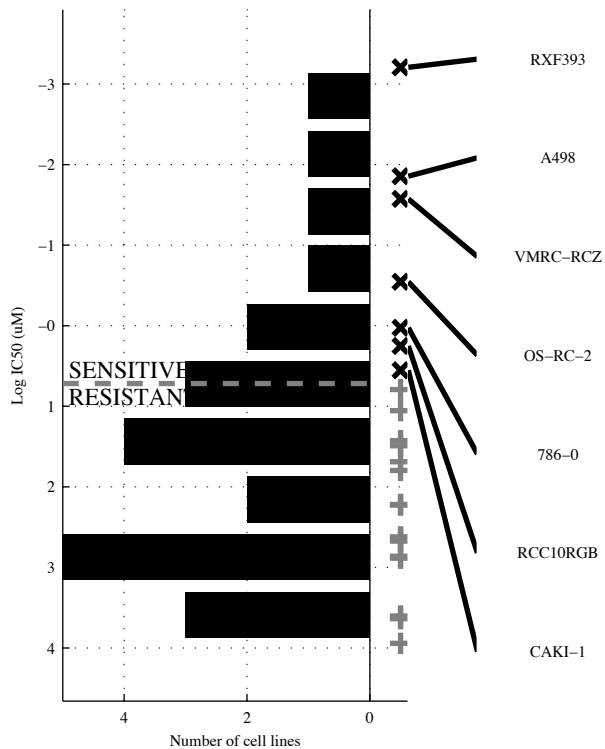


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d1p31.</b>	<b>d1p31. &amp;</b>	<b>d1p31. &amp; &amp;</b>	<b>d1p31. &amp; &amp;</b>	<b>d6q27   d1p31.</b>	<b>[ ~MGA &amp; d3p14. ]   [ d1p31. &amp; MAPK d ]</b>	<b>d6q27   d1p31.   TNFa-U</b>	<b>PBRM1   d6q27   d1p31.   TNFa-U</b>
TP   FP Specificity	5   1 0.93	5   1 0.93	5   1 0.93	5   1 0.93	7   1 0.93	7   0 1	8   2 0.86	9   2 0.86
FN   TN Precision	4   13 0.83	4   13 0.83	4   13 0.83	4   13 0.83	2   13 0.88	2   14 1	1   12 0.8	0   12 0.82
Recall	0.56	0.56	0.56	0.56	0.78	0.78	0.89	1



KIRC  
 id: 156 name: AZD6482  
 target: PI3Kbeta class: PI3K signaling

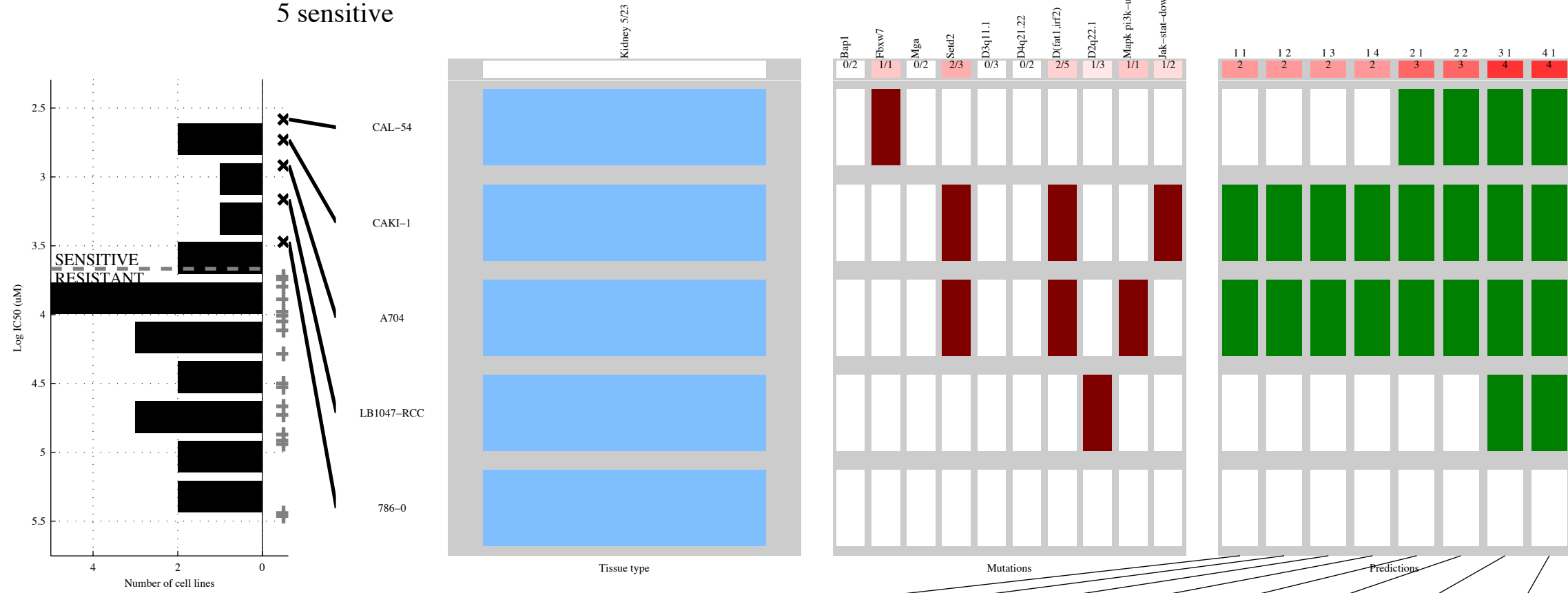
23 cell lines  
 7 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d(FAT1)</b>	<b>d(FAT1 &amp; MAPK P)</b>	<b>~PBRM1 &amp; ~RBM10 &amp; d(FAT1)</b>	<b>~NF2 &amp; ~PBRM1 &amp; ~SMARCA4 &amp; MAPK o</b>	<b>MGA   d(FAT1)</b>	<b>[ VHL &amp; MAPK q   d(FAT1 &amp; MAPK P)</b>	<b>PTEN   d(FAT1) &amp; JAK-ST</b>	<b>PTEN   d(FAT1) &amp; JAK-ST  </b>
TP   FP Specificity	4   1 0.94	4   0 1	4   0 1	6   3 0.81	5   1 0.94	7   2 0.88	7   2 0.88	7   2 0.88
FN   TN Precision	3   15 0.8	3   16 1	3   16 1	1   13 0.67	2   15 0.83	0   14 0.78	0   14 0.78	0   14 0.78
Recall	0.57	0.57	0.57	0.86	0.71	1	1	1

KIRC  
 id: 192 name: LFM-A13  
 target: BTK class: other

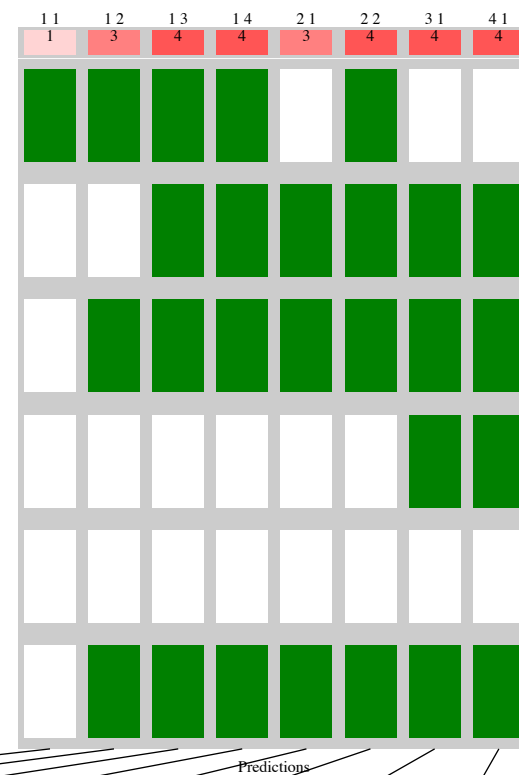
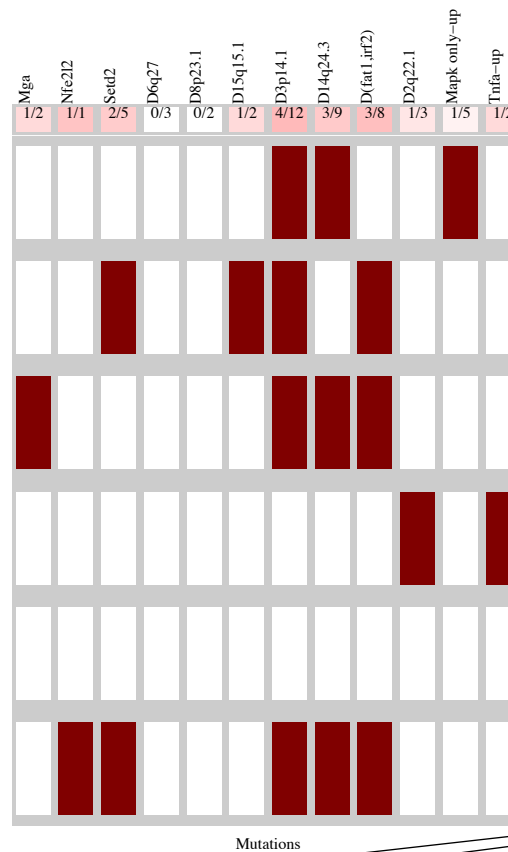
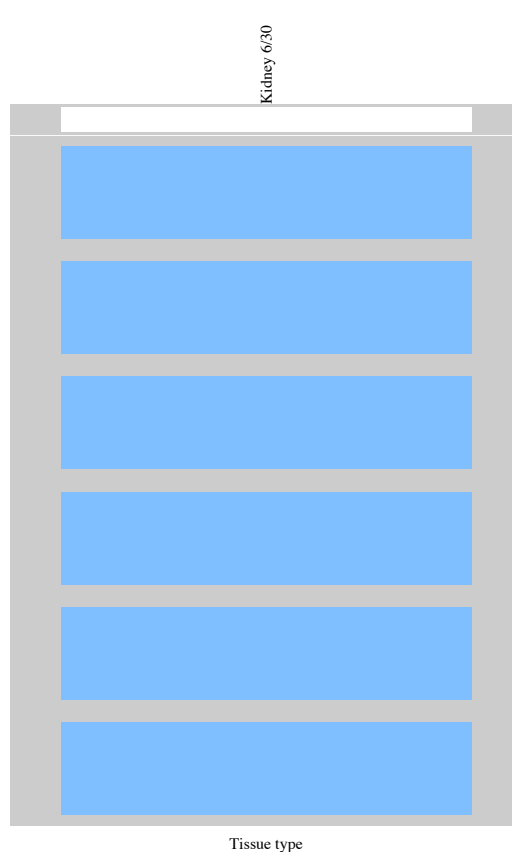
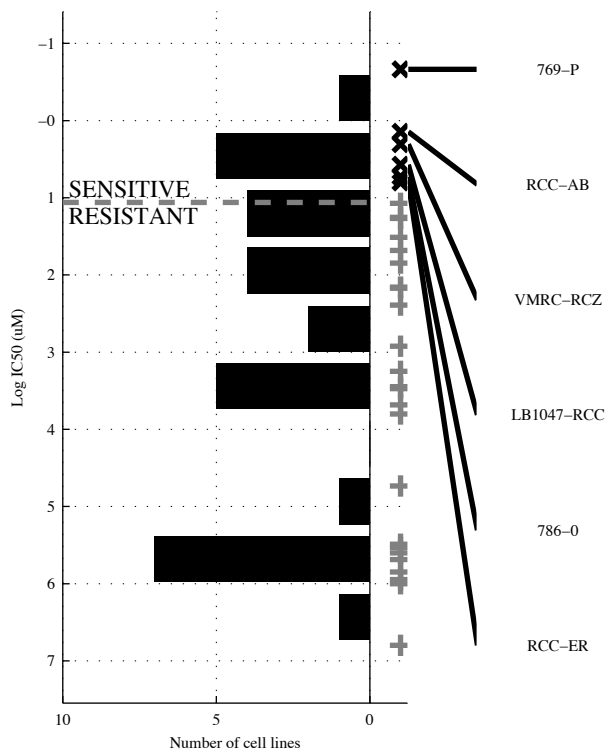
23 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>SETD2</b>	<b>¬MGA &amp; SETD2</b>	<b>¬d3q11.&amp;¬d4q21.&amp; d(FAT1)</b>	<b>¬BAP1 &amp; ¬MGA &amp; ¬d3q11.&amp;d(FAT1)</b>	<b>FBXW7   SETD2</b>	<b>[ FBXW7&amp;   [ ¬MGA &amp; SETD2 ]</b>	<b>FBXW7   SETD2   d2q22.</b>	<b>FBXW7   d2q22.   MAPK PIJAK-ST</b>
TP   FP	2   1	2   0	2   0	2   0	3   1	3   0	4   3	4   3
Specificity	0.94	1	1	1	0.94	1	0.83	0.83
FN   TN	3   17	3   18	3   18	3   18	2   17	2   18	1   15	1   15
Precision	0.67	1	1	1	0.75	1	0.57	0.57
Recall	0.4	0.4	0.4	0.4	0.6	0.6	0.8	0.8

KIRC  
 id: 229 name: LY317615  
 target: PRKCB (PKCbeta) class: other

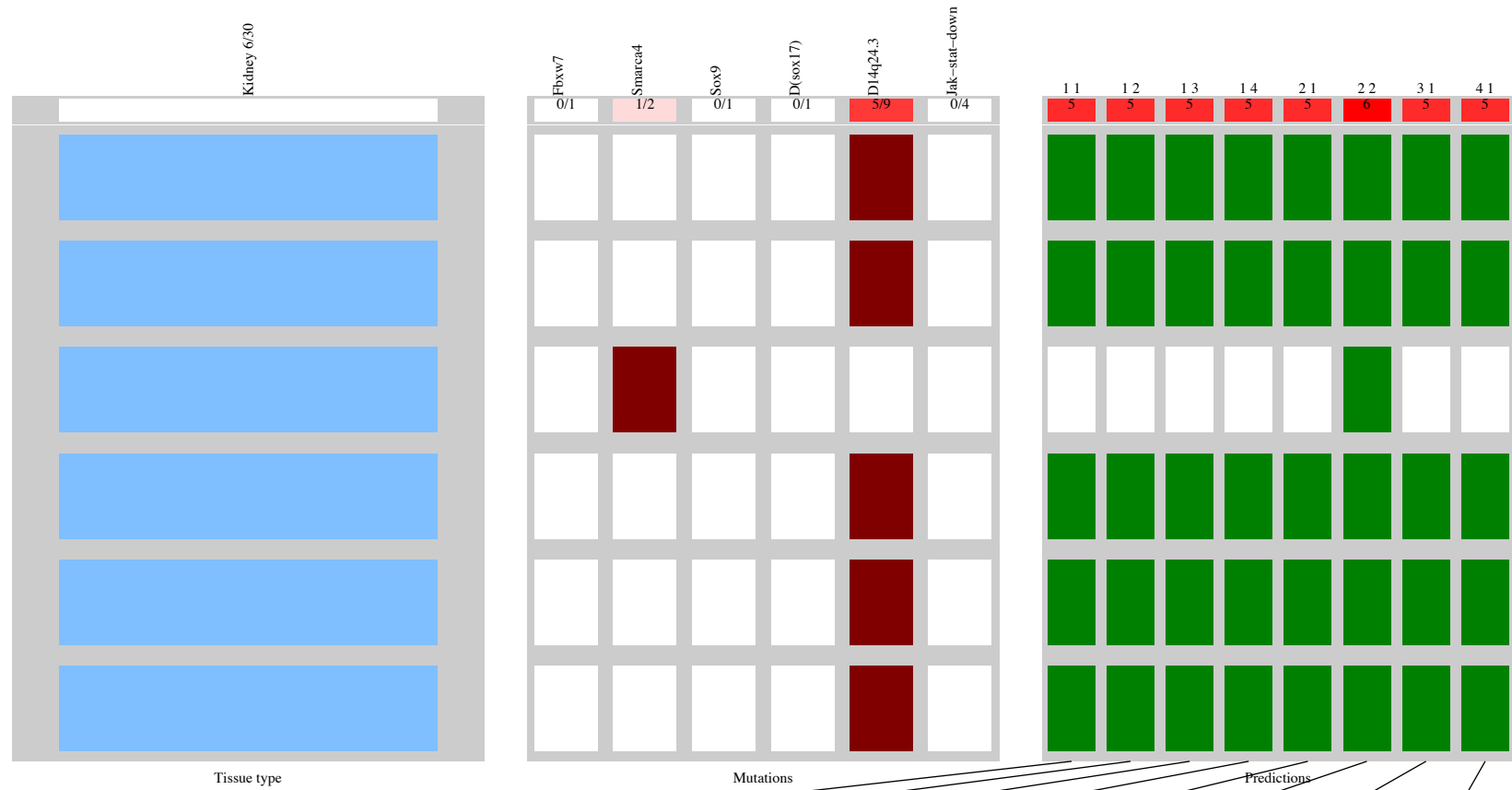
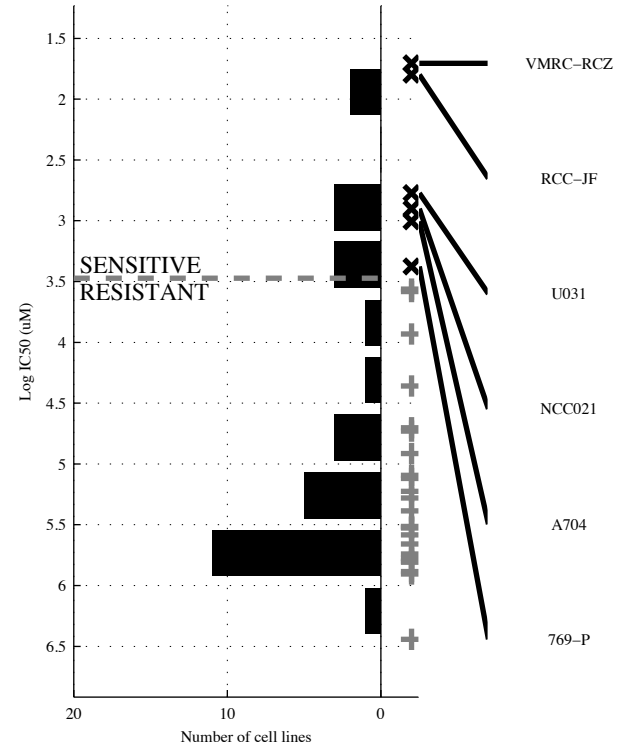
30 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>MAPK o</b>	<b>-d6q27 &amp; d14q24</b>	<b>-d6q27 &amp; -d8p23 &amp; d3p14.</b>	<b>-d6q27 &amp; -d8p23 &amp; d3p14. &amp; -d2q22.</b>	<b>MGA   SETD2</b>	<b>[ -d6q27 &amp; d(FAT1)   [ d14q24 &amp; MAPK o ]</b>	<b>MGA   SETD2   TNFa-U</b>	<b>MGA   NFE2L2   d15q15   TNFa-U</b>
TP   FP Specificity	1   4 0.83	3   3 0.88	4   4 0.83	4   3 0.88	3   3 0.88	4   3 0.88	4   4 0.83	4   3 0.88
FN   TN Precision	5   20 0.2	3   21 0.5	2   20 0.5	2   21 0.57	3   21 0.5	2   21 0.57	2   20 0.5	2   21 0.57
Recall	0.17	0.5	0.67	0.67	0.5	0.67	0.67	0.67

KIRC  
 id: 230 name: GSK429286A  
 target: ROCK2 class: cytoskeleton

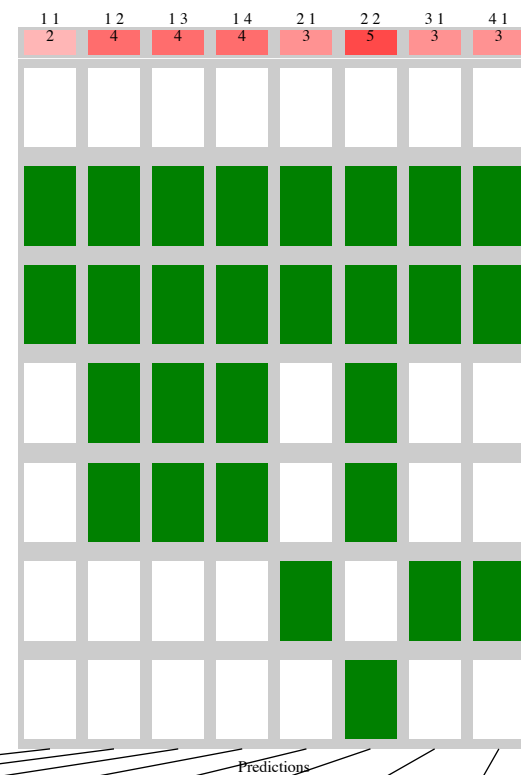
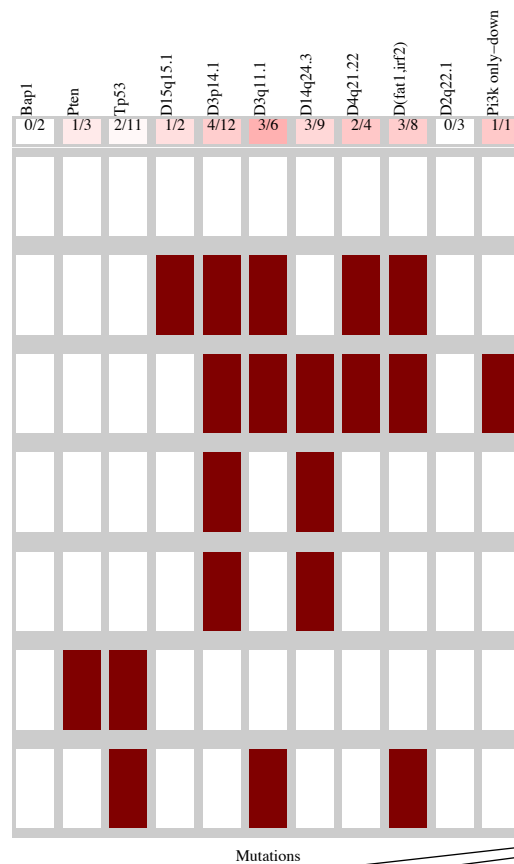
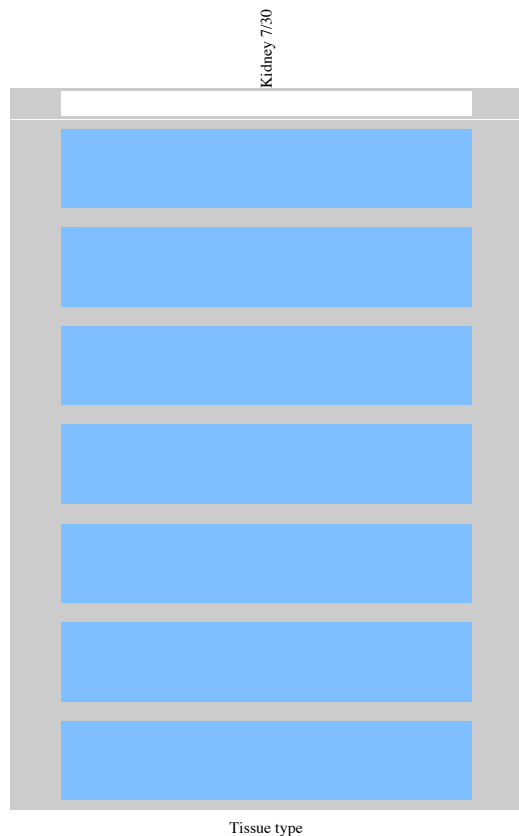
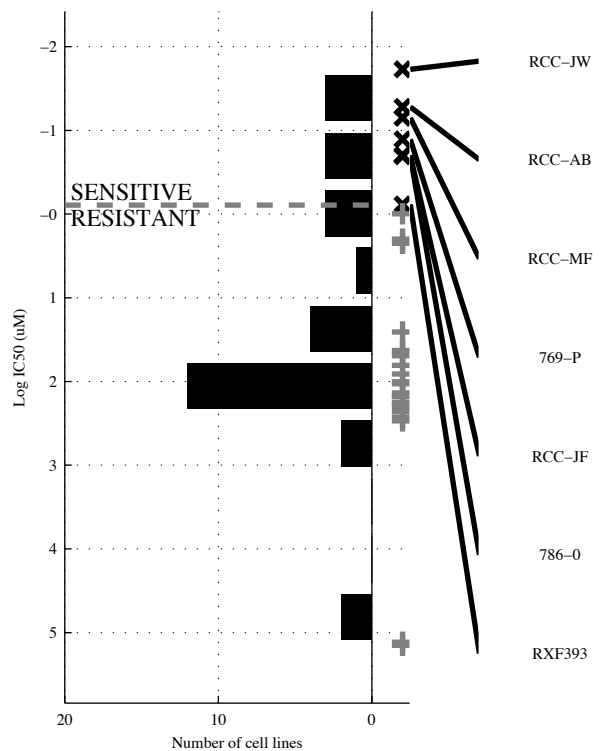
30 cell lines  
 6 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	M															
Logic formula	<b>d14q24</b>		<b>d14q24 &amp; JAK-ST</b>		<b>-d(SOX9 &amp; d14q24 &amp; -JAK-ST</b>		<b>-SOX9 &amp; -d(SOX9 &amp; d14q24 &amp; JAK-ST</b>		<b>d14q24  </b>		<b>[ d14q24 &amp; JAK-ST ]  </b>		<b>d14q24    </b>		<b>d14q24      </b>	
TP   FP	5   4	0.83	5   2	0.92	5   1	0.96	5   0	1	5   4	0.83	6   2	0.92	5   4	0.83	5   4	0.83
FN   TN	1   20	0.56	1   22	0.71	1   23	0.83	1   24	1	1   20	0.56	0   22	0.75	1   20	0.56	1   20	0.56
Recall	0.83		0.83		0.83		0.83		0.83		1		0.83		0.83	

KIRC  
 id: 256 name: JW-7-24-1  
 target: LCK class: other

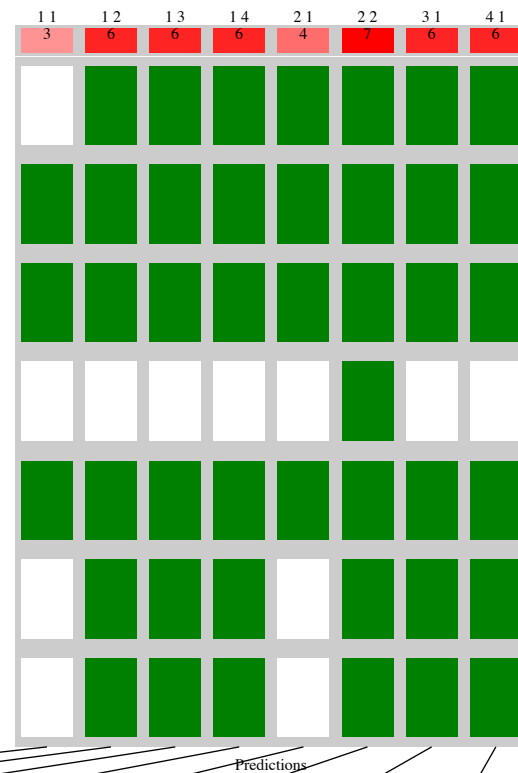
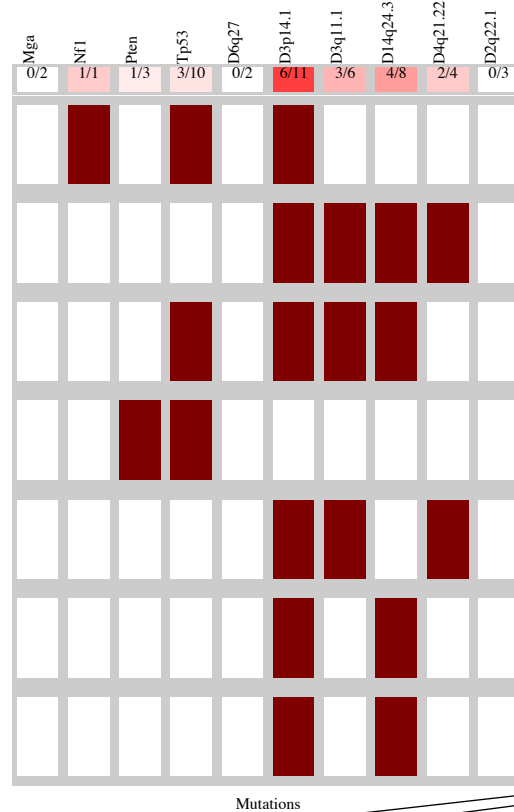
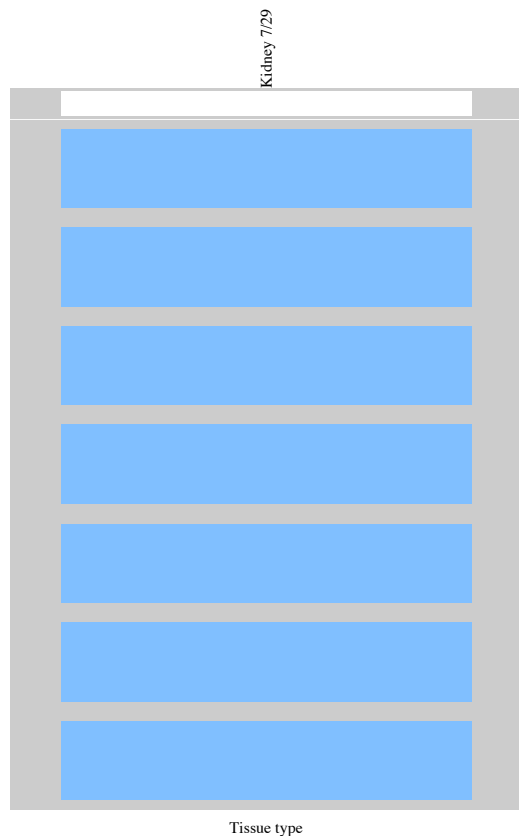
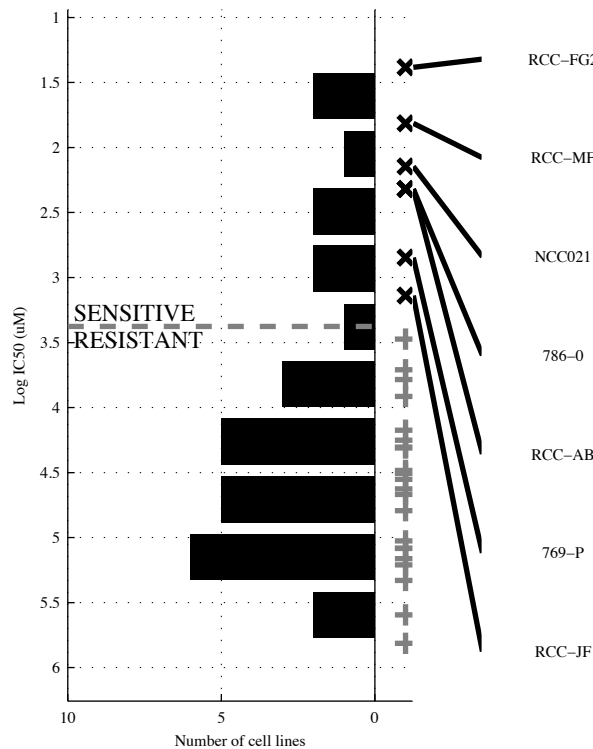
30 cell lines  
 7 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>d4q21.</b>		<b>-TP53 &amp; d3p14.</b>		<b>-TP53 &amp; d3p14. &amp; -d2q22.</b>		<b>-BAP1 &amp; -TP53 &amp; d3p14. &amp; -d2q22.</b>		<b>PTEN   d4q21.</b>		<b>[ -TP53 &amp; d14q24 ]   [ d3q11. &amp; d(FAT1) ]</b>		<b>PTEN   d15q15   PI3K o</b>		<b>PTEN   d15q15   PI3K o  </b>	
TP   FP Specificity	2   2	0.91	4   2	0.91	4   1	0.96	4   0	1	3   4	0.83	5   1	0.96	3   3	0.87	3   3	0.87
FN   TN Precision	5   21	0.5	3   21	0.67	3   22	0.8	3   23	1	4   19	0.43	2   22	0.83	4   20	0.5	4   20	0.5
Recall		0.29		0.57		0.57		0.57		0.43		0.71		0.43		0.43

KIRC  
 id: 258 name: STF-62247  
 target: stimulates autophagy class: other

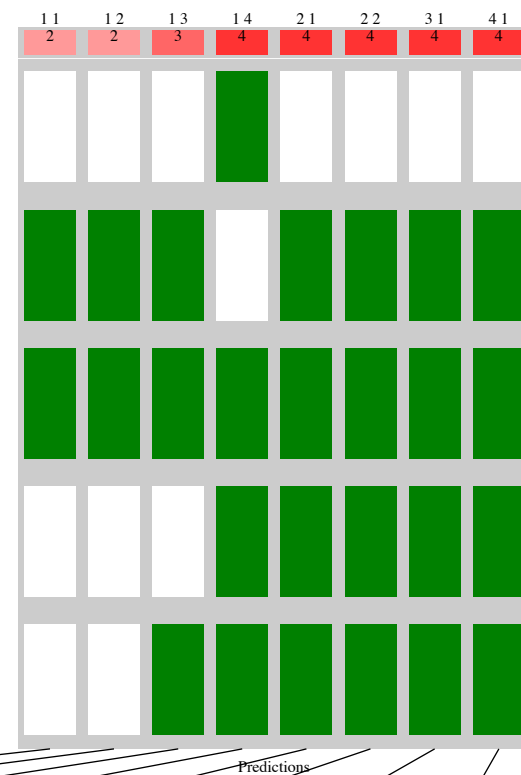
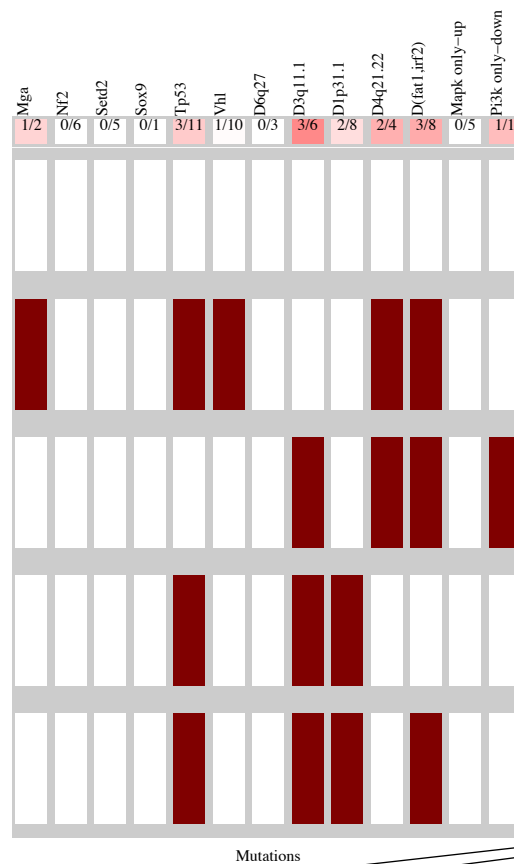
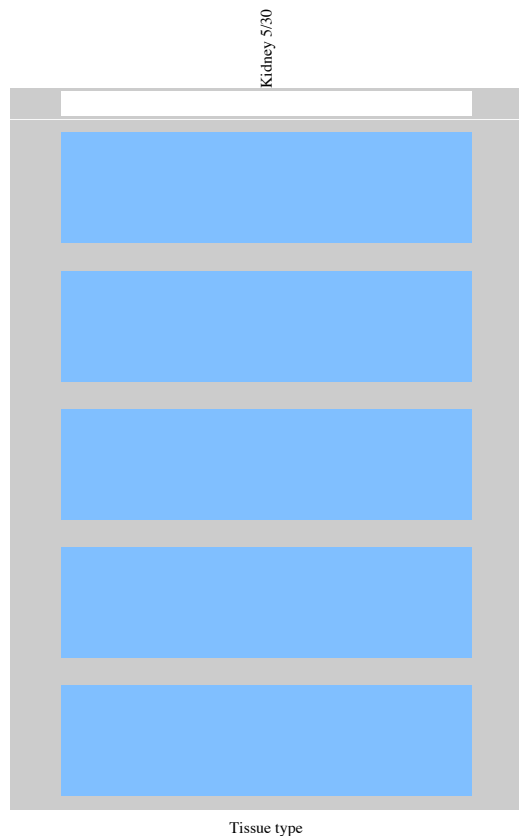
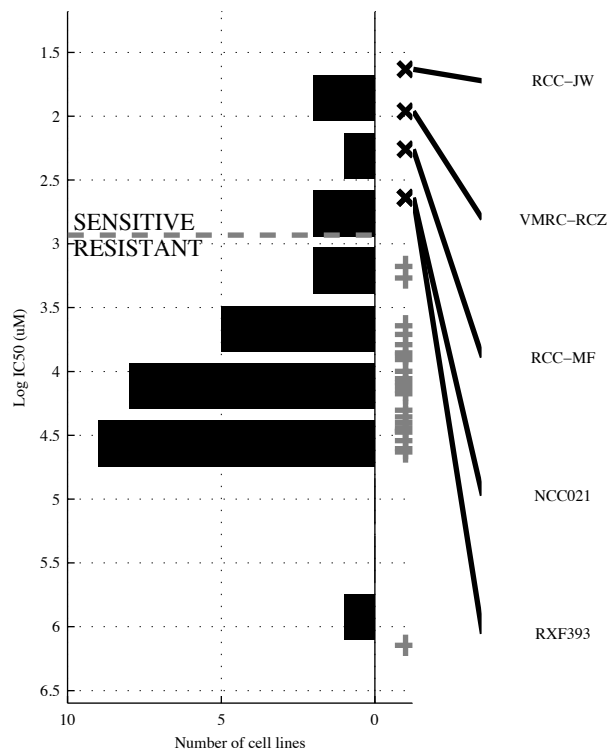
29 cell lines  
 7 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d3q11.</b>	<b>-d6q27 &amp; d3p14.</b>	<b>-d6q27 &amp; d3p14. &amp; -d2q22.</b>	<b>-MGA &amp; -d6q27 &amp; d3p14. &amp; -d2q22.</b>	<b>NF1   d3q11.</b>	<b>[ PTEN &amp; TP53 ]   [ -d6q27 &amp; d3p14. ]</b>	<b>NF1   d14q24   d4q21.</b>	<b>NF1   d14q24   d4q21.  </b>
TP   FP Specificity	3   3 0.86	6   3 0.86	6   2 0.91	6   1 0.95	4   3 0.86	7   3 0.86	6   4 0.82	6   4 0.82
FN   TN Precision	4   19 0.5	1   19 0.67	1   20 0.75	1   21 0.86	3   19 0.57	0   19 0.7	1   18 0.6	1   18 0.6
Recall	0.43	0.86	0.86	0.86	0.57	1	0.86	0.86

KIRC  
 id: 281 name: CH5424802  
 target: ALK class: RTK signaling

30 cell lines  
 5 sensitive



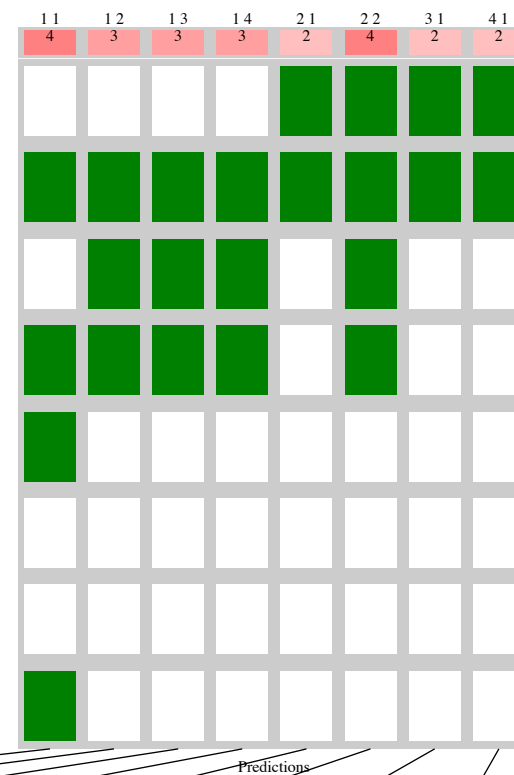
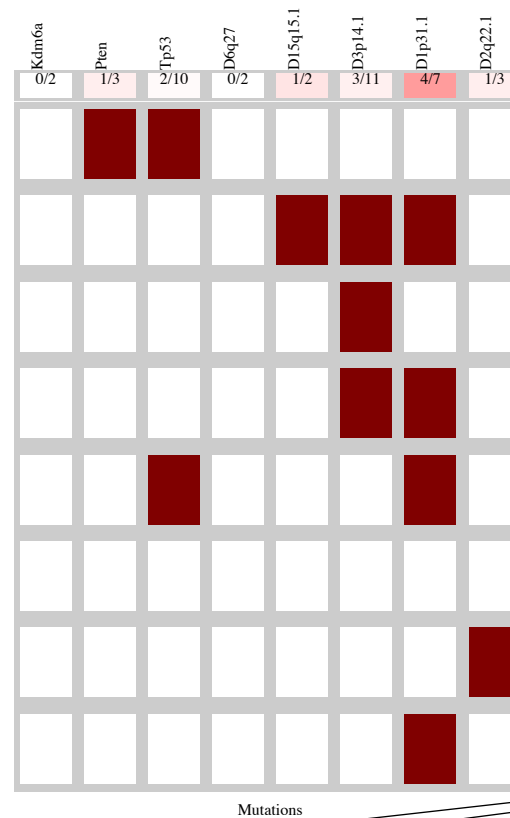
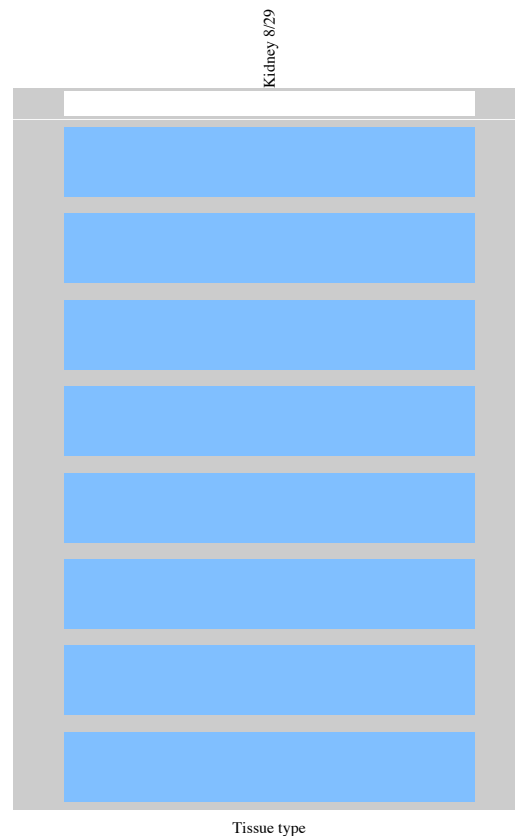
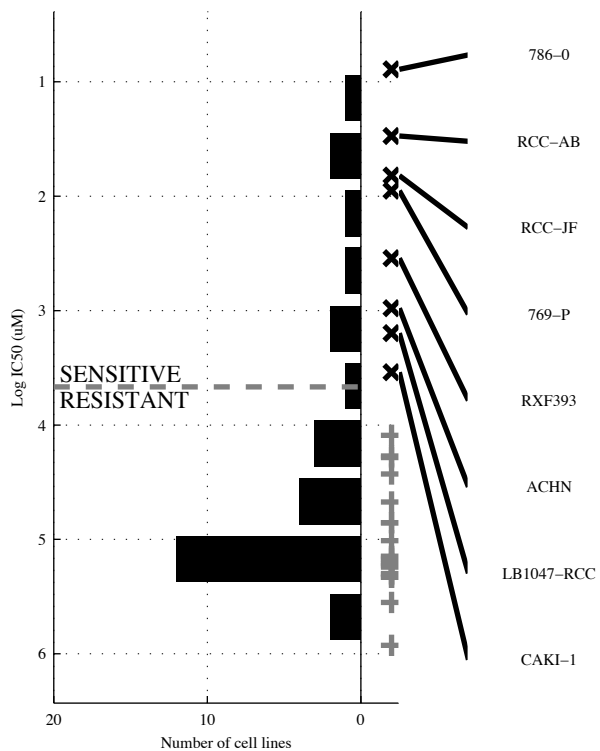
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d4q21.</b>	<b>-d6q27 &amp; d4q21.</b>	<b>-SETD2 &amp; -d6q27 &amp; d(FAT1)</b>	<b>-NF2 &amp; -VHL &amp; -d6q27 &amp; MAPK o</b>	<b>MGA   d3q11.</b>	<b>[ TP53 &amp; d1p31. ]   [ -SOX9 &amp; d4q21. ]</b>	<b>MGA   d3q11.  </b>	<b>MGA   d3q11.   PI3K o  </b>
TP   FP Specificity	2   2 0.92	2   1 0.96	3   0 1	4   4 0.84	4   4 0.84	4   2 0.92	4   4 0.84	4   4 0.84
FN   TN Precision	3   23 0.5	3   24 0.67	2   25 1	1   21 0.5	1   21 0.5	1   23 0.67	1   21 0.5	1   21 0.5
Recall	0.4	0.4	0.6	0.8	0.8	0.8	0.8	0.8





KIRC  
 id: 300 name: CX-5461  
 target: RNA Pol I class: other

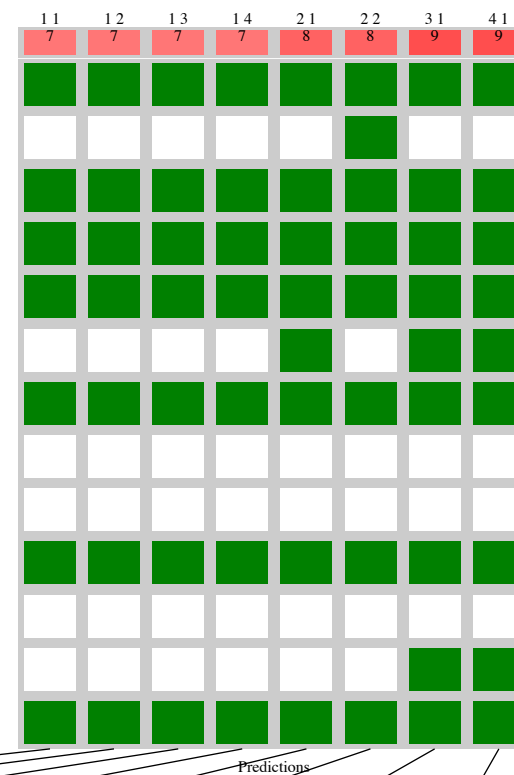
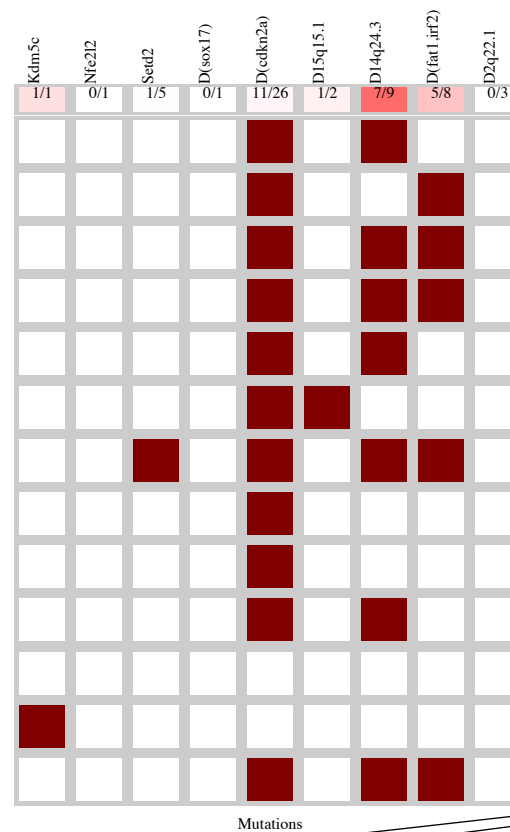
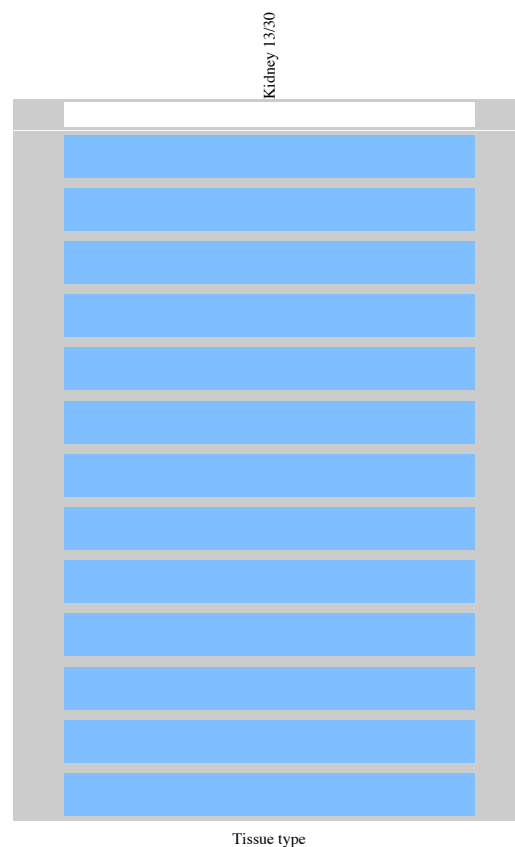
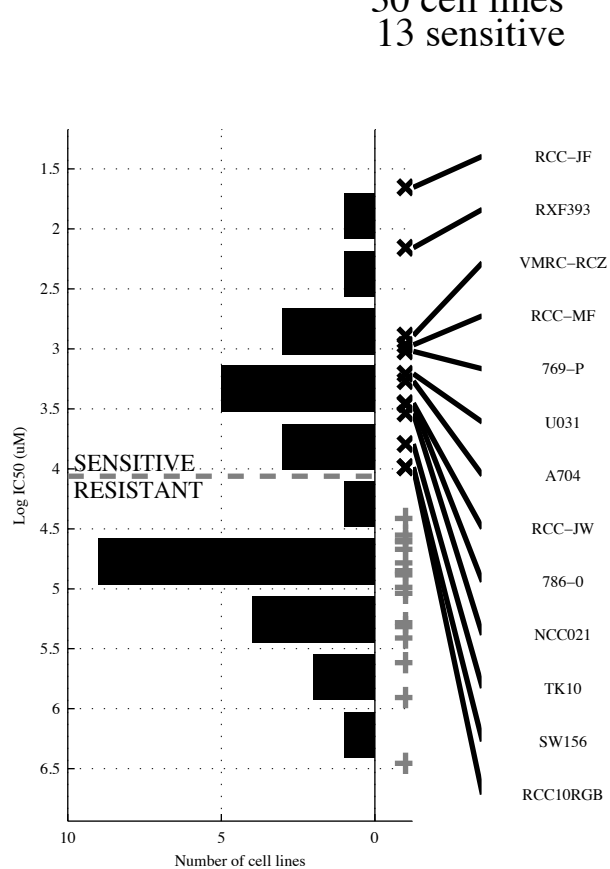
29 cell lines  
 8 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d1p31.</b>	<b>-TP53 &amp; d3p14.</b>	<b>-TP53 &amp; d3p14. &amp; -d2q22.</b>	<b>-KDM6A &amp; -TP53 &amp; -d6q27 &amp; d3p14.</b>	<b>PTEN   d15q15</b>	<b>[ PTEN &amp; TP53 ]   [ -TP53 &amp; d3p14. ]</b>	<b>PTEN   d15q15  </b>	<b>PTEN   d15q15    </b>
TP   FP	4   3	3   3	3   2	3   1	2   3	4   3	2   3	2   3
Specificity	0.86	0.86	0.9	0.95	0.86	0.86	0.86	0.86
FN   TN	4   18	5   18	5   19	5   20	6   18	4   18	6   18	6   18
Precision	0.57	0.5	0.6	0.75	0.4	0.57	0.4	0.4
Recall	0.5	0.38	0.38	0.38	0.25	0.5	0.25	0.25

KIRC  
 id: 309 name: Y-39983  
 target: ROCK class: cytoskeleton

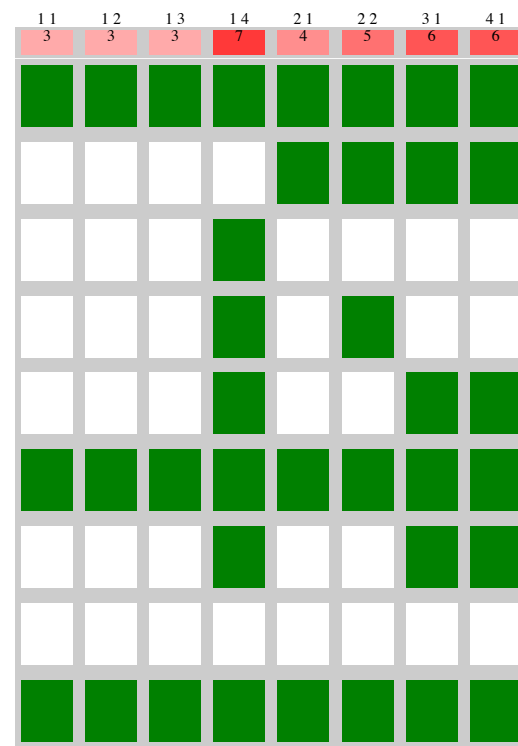
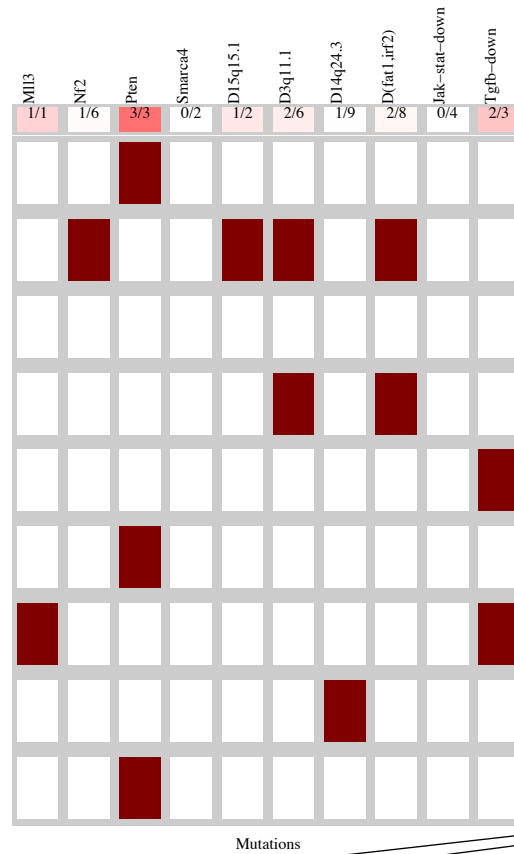
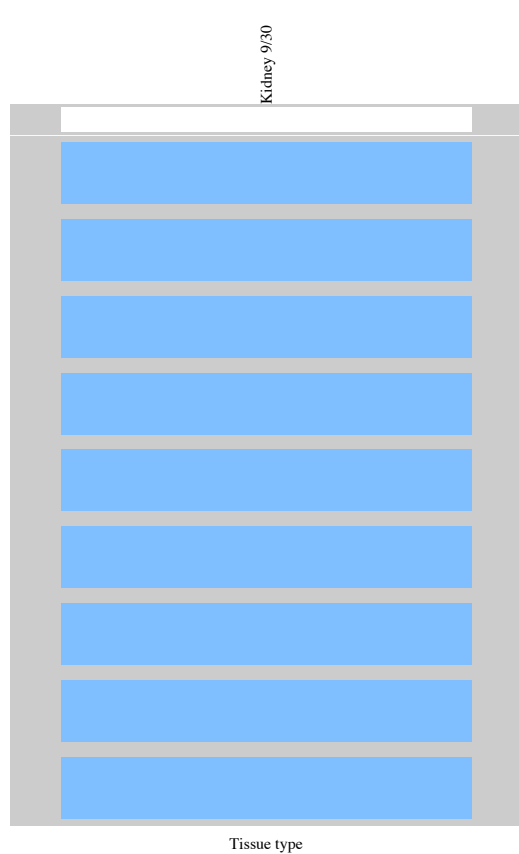
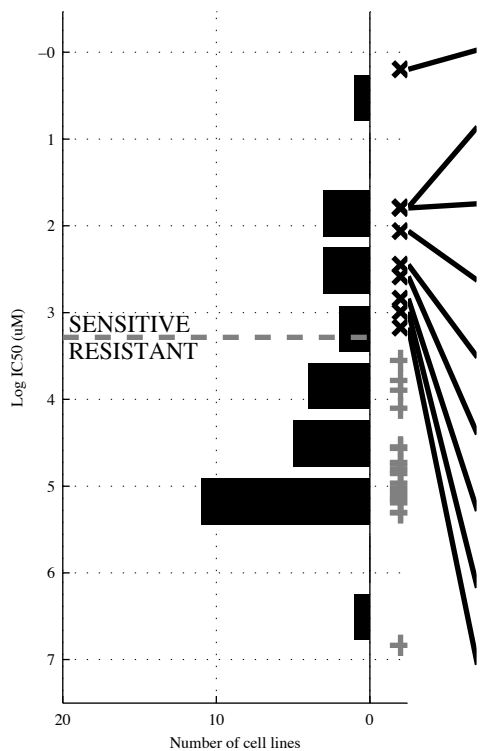
30 cell lines  
 13 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d14q24</b>	<b>d(CDKN &amp; d14q24</b>	<b>-NFE2L &amp; -d(SOX &amp; d14q24</b>	<b>-NFE2L &amp; -d(SOX &amp; d14q24 &amp; -d2q22.</b>	<b>d15q15   d14q24</b>	<b>[d(CDKN &amp; d14q24 ]   [-SETD2 &amp; d(FAT1]</b>	<b>KDM5C   d15q15   d14q24</b>	<b>KDM5C   d15q15   d14q24  </b>
TP   FP	7   2	7   1	7   0	7   0	8   3	8   1	9   3	9   3
Specificity	0.88	0.94	1	1	0.82	0.94	0.82	0.82
FN   TN	6   15	6   16	6   17	6   17	5   14	5   16	4   14	4   14
Precision	0.78	0.88	1	1	0.73	0.89	0.75	0.75
Recall	0.54	0.54	0.54	0.54	0.62	0.62	0.69	0.69

KIRC  
 id: 326 name: GSK690693  
 target: AKT class: PI3K signaling

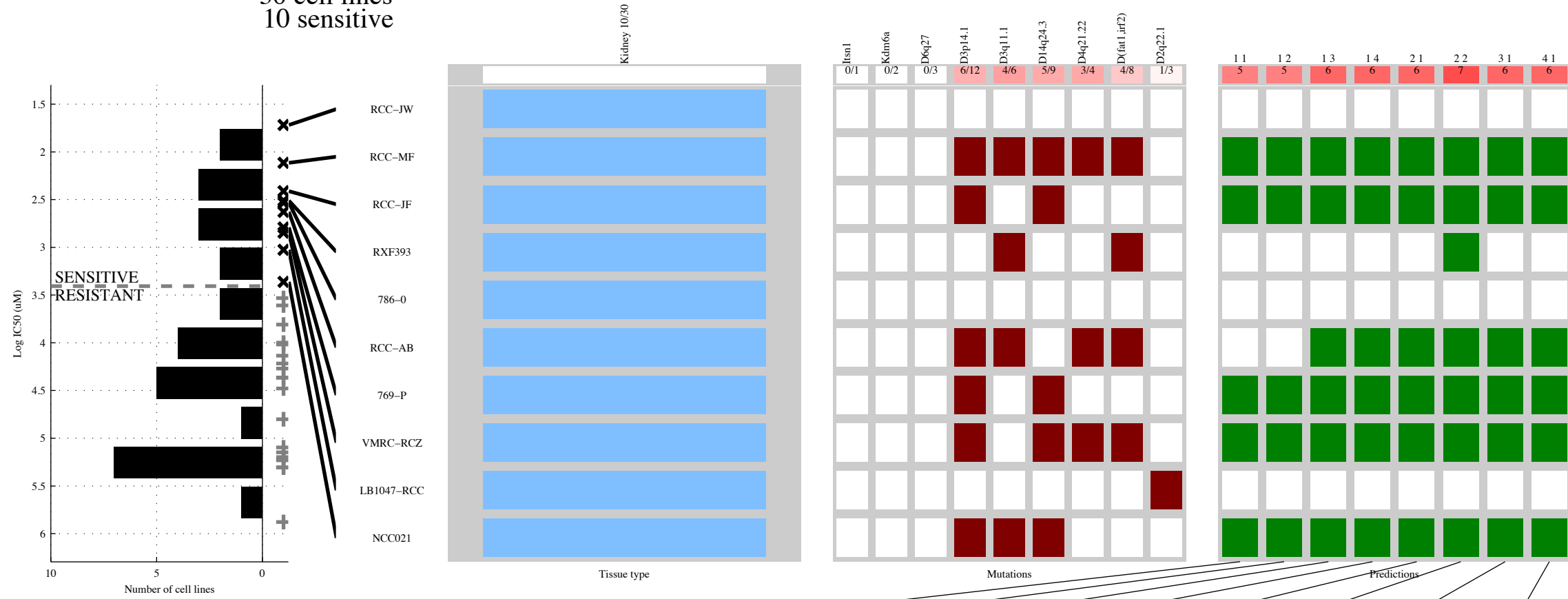
30 cell lines  
 9 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>PTEN</b>	<b>PTEN &amp;</b>	<b>PTEN &amp; SMARCA4</b>	<b>~NF2 &amp; SMARCA4</b> <b>~d14q24 &amp; JAK-ST</b>	<b>PTEN   d15q15</b>	<b>[ d3q11. &amp; d(FAT1) ]</b> <b> </b> <b>[ PTEN &amp; SMARCA4 ]</b>	<b>PTEN   d15q15  </b> <b>TGFB-D</b>	<b>MLL3   PTEN  </b> <b>d15q15   TGFB-D</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{3}{6} \mid \frac{0}{21}$ 1 0.33	$\frac{3}{6} \mid \frac{0}{21}$ 1 0.33	$\frac{3}{6} \mid \frac{0}{21}$ 1 0.33	$\frac{7}{2} \mid \frac{4}{17}$ 0.81 0.64 0.78	$\frac{4}{5} \mid \frac{1}{20}$ 0.95 0.8 0.44	$\frac{5}{4} \mid \frac{1}{20}$ 0.95 0.83 0.56	$\frac{6}{3} \mid \frac{1}{20}$ 0.95 0.86 0.67	$\frac{6}{3} \mid \frac{1}{20}$ 0.95 0.86 0.67

KIRC  
 id: 329 name: QL-XI-92  
 target: DDR1 class: RTK signaling

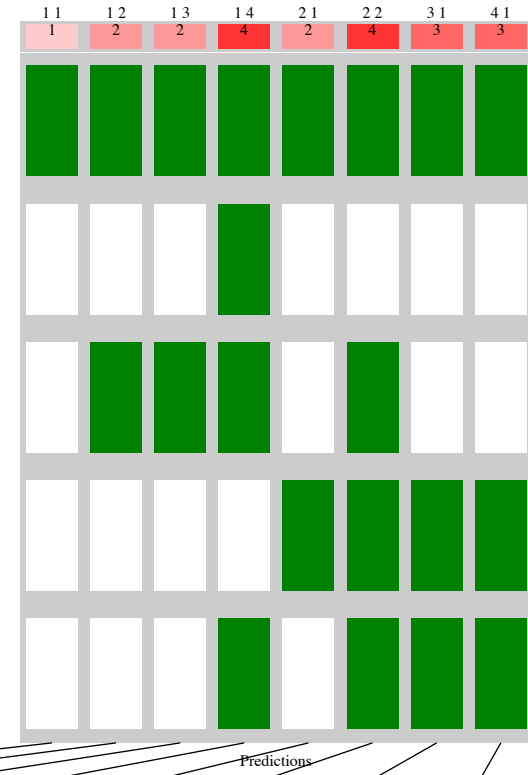
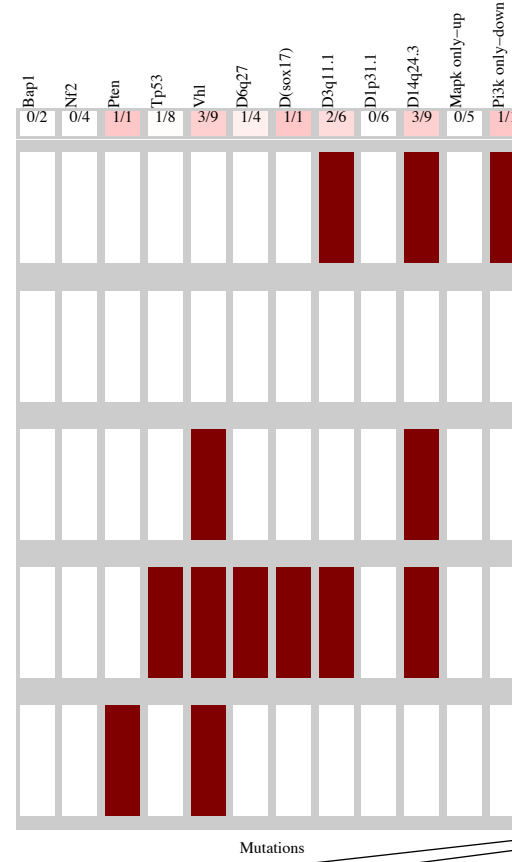
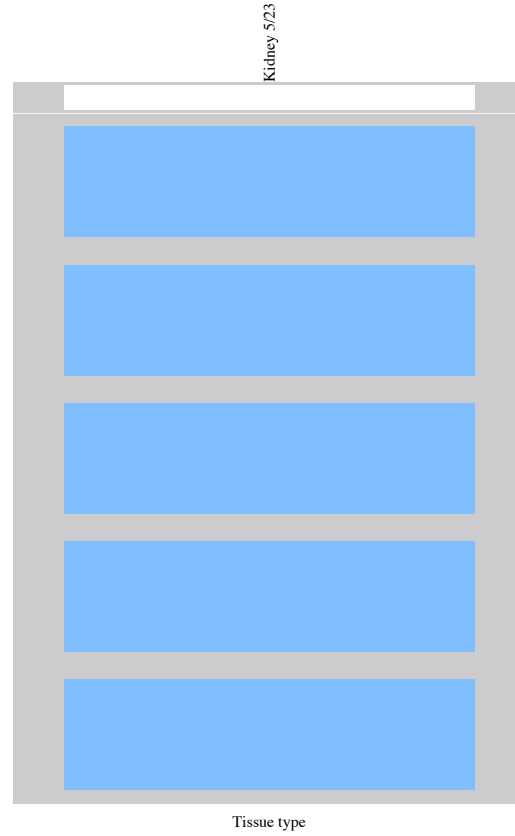
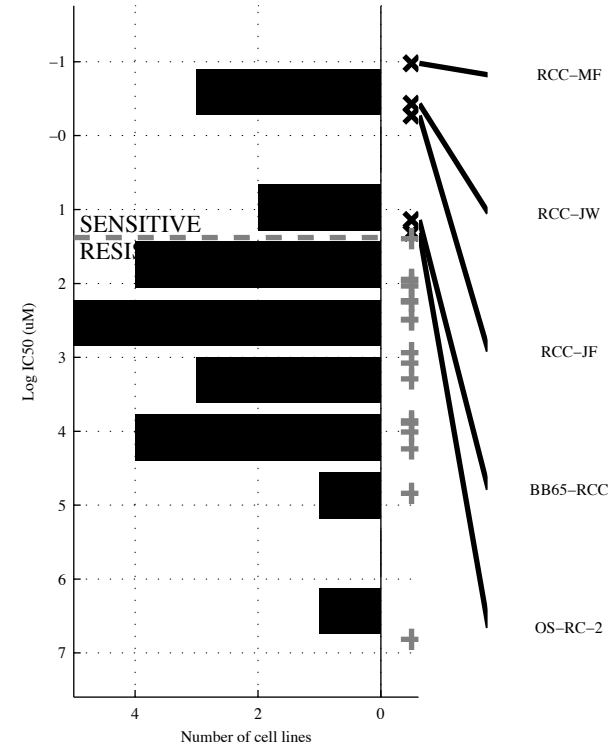
30 cell lines  
 10 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>d14q24</b>		<b>-d6q27 &amp; d14q24</b>		<b>-KDM6A &amp; -d6q27 &amp; d3p14.</b>		<b>-ITSN1 &amp; -d6q27 &amp; d3p14. &amp; -d2q22.</b>		<b>d14q24   d4q21.</b>		[ <b>d3q11. &amp; d(FAT1)</b>   <b>-d6q27 &amp; d14q24</b> ]		<b>d14q24   d4q21.  </b>		<b>d14q24   d4q21.  </b>	
TP   FP Specificity	5   4	0.8	5   1	0.95	6   2	0.9	6   1	0.95	6   4	0.8	7   1	0.95	6   4	0.8	6   4	0.8
FN   TN Precision	5   16	0.56	5   19	0.83	4   18	0.75	4   19	0.86	4   16	0.6	3   19	0.88	4   16	0.6	4   16	0.6
Recall	5	0.5	5	0.5	4	0.6	4	0.6	4	0.6	3	0.7	4	0.6	4	0.6

KIRC  
 id: 1005 name: Cisplatin  
 target: DNA crosslinker class: DNA replication

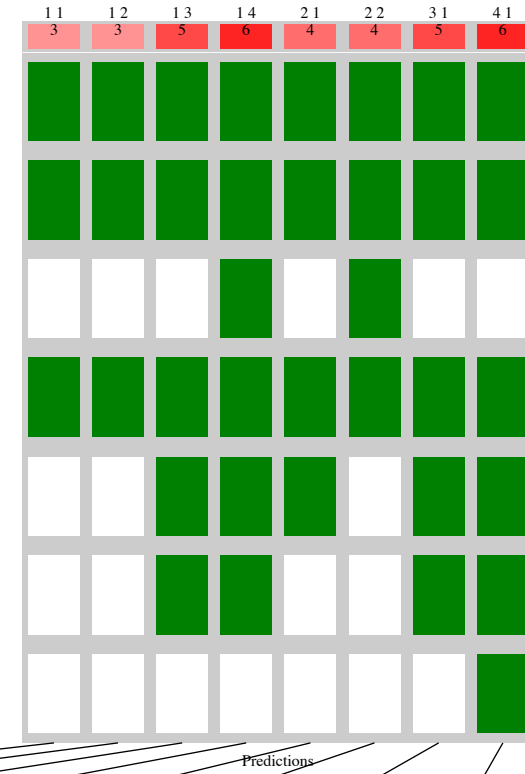
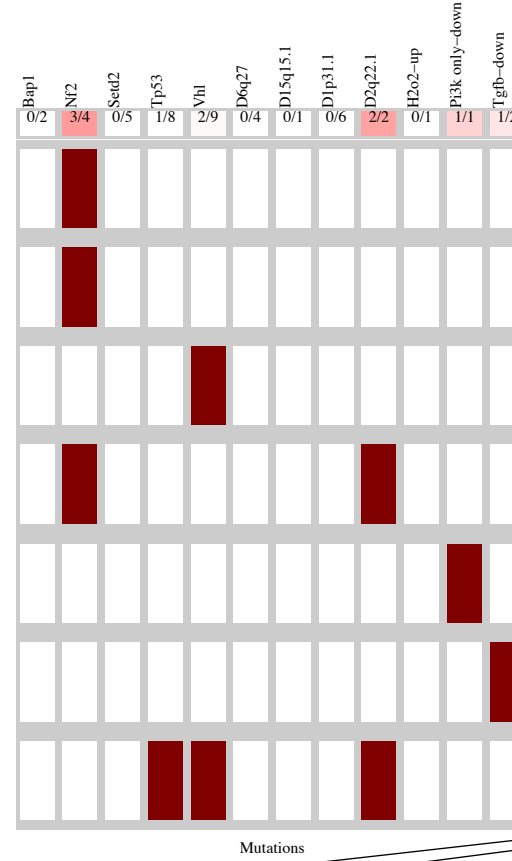
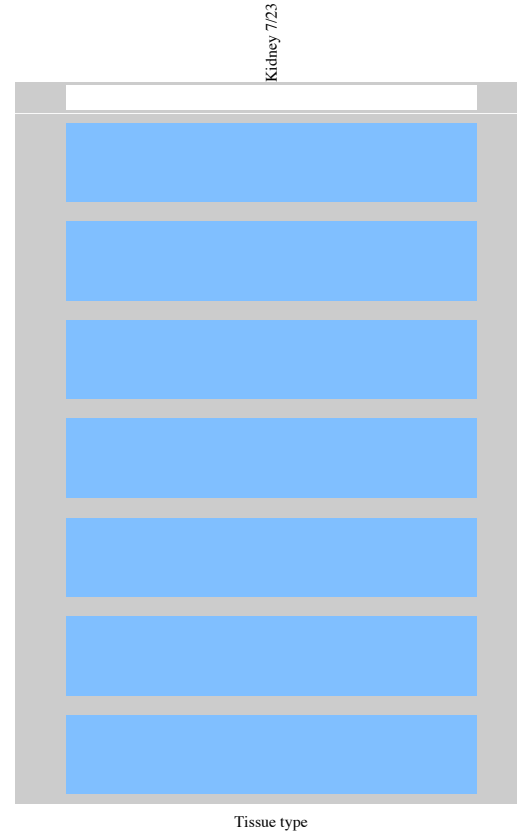
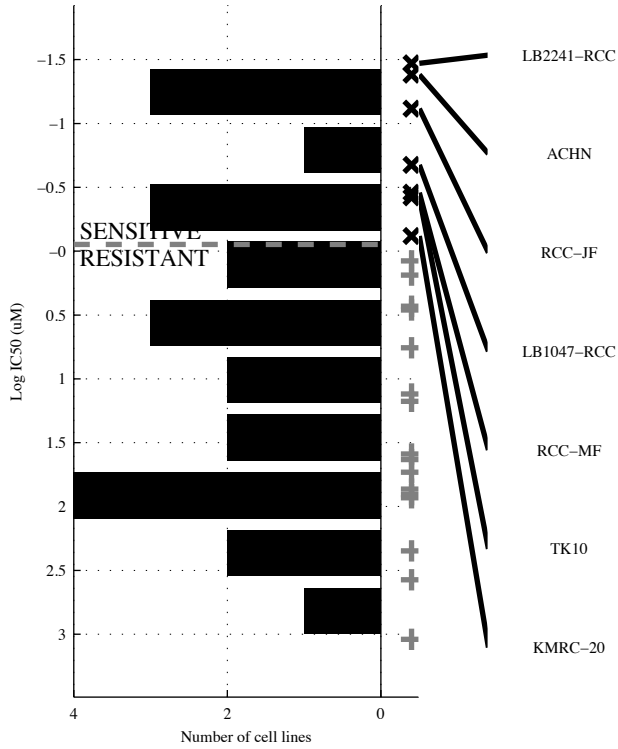
23 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>PI3K o</b>	<b>-d6q27 &amp; d14q24</b>	<b>-TP53 &amp; -d6q27 &amp; d14q24</b>	<b>-BAP1 &amp; -NF2 &amp; -TP53 &amp; MAPK o</b>	<b>d(SOX1   PI3K o</b>	<b>[ -TP53 &amp; VHL ]   [ d3q11. &amp; -d1p31. ]</b>	<b>PTEN   d(SOX1   PI3K o</b>	<b>PTEN   d(SOX1   PI3K o  </b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{4} \mid \frac{0}{18} \quad 1$ 0.2	$\frac{2}{3} \mid \frac{3}{15} \quad 0.83$ 0.4	$\frac{2}{3} \mid \frac{0}{18} \quad 1$ 0.4	$\frac{4}{1} \mid \frac{2}{16} \quad 0.89$ 0.67	$\frac{2}{3} \mid \frac{0}{18} \quad 1$ 0.4	$\frac{4}{1} \mid \frac{2}{16} \quad 0.89$ 0.67	$\frac{3}{2} \mid \frac{0}{18} \quad 1$ 0.6	$\frac{3}{2} \mid \frac{0}{18} \quad 1$ 0.6

KIRC  
 id: 1010 name: Gefitinib  
 target: EGFR class: EGFR signaling

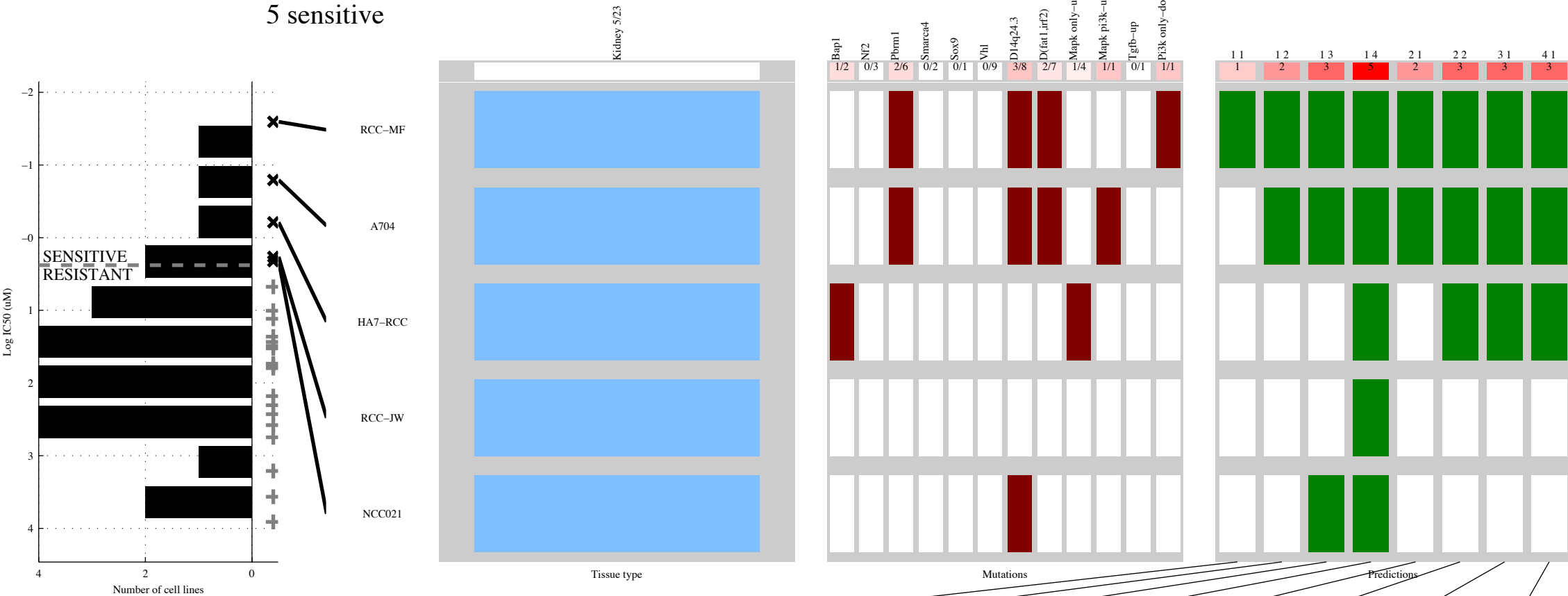
23 cell lines  
 7 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>NF2</b>	<b>NF2 &amp; -d15q15</b>	<b>-BAP1 &amp; -VHL &amp; -d1p31.</b>	<b>-TP53 &amp; -d6q27 &amp; -d1p31.&amp;H2O2-U</b>	<b>NF2   PI3K o</b>	<b>[ -TP53 &amp; VHL ]   [ NF2 &amp; -SETD2 ]</b>	<b>NF2   PI3K o   TGFB-D</b>	<b>NF2   d2q22.   PI3K o  TGFB-D</b>
TP   FP Specificity	3   1 0.94	3   0 1	5   2 0.88	6   3 0.81	4   1 0.94	4   3 0.81	5   2 0.88	6   2 0.88
FN   TN Precision	4   15 0.75	4   16 1	2   14 0.71	1   13 0.67	3   15 0.8	3   13 0.57	2   14 0.71	1   14 0.75
Recall	0.43	0.43	0.71	0.86	0.57	0.57	0.71	0.86

KIRC  
 id: 1011 name: ABT-263  
 target: BCL2, BCL2L1, BCL2L2 class: apoptosis regulation

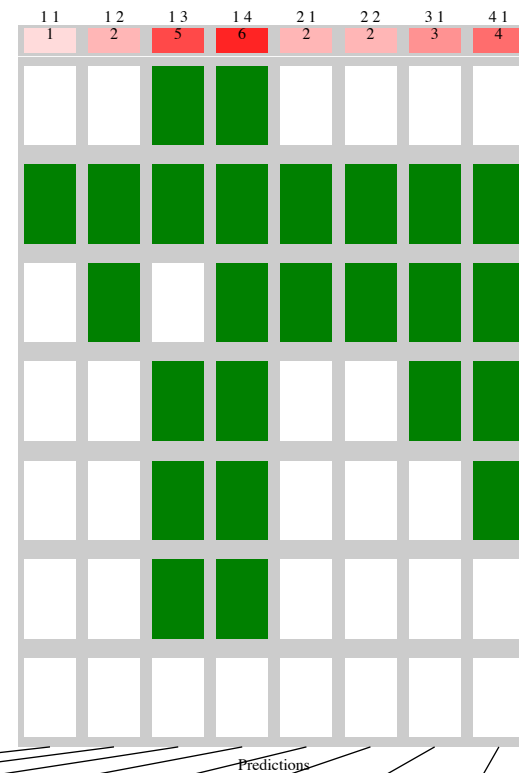
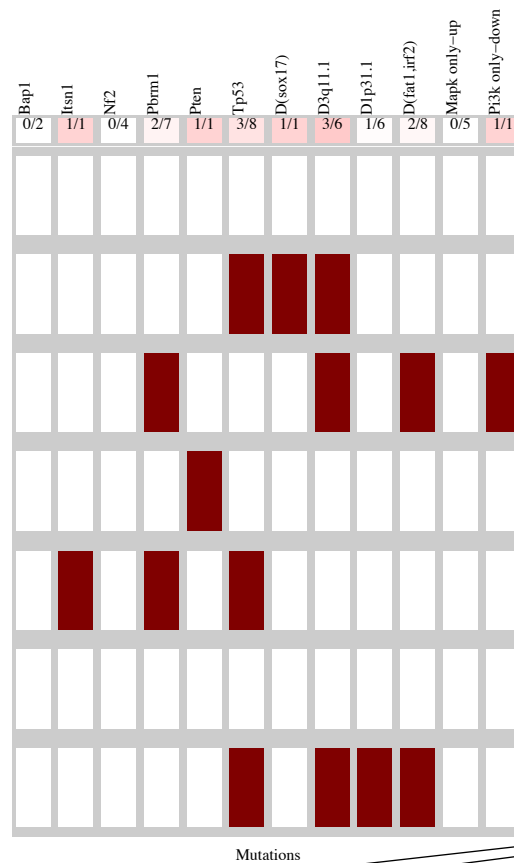
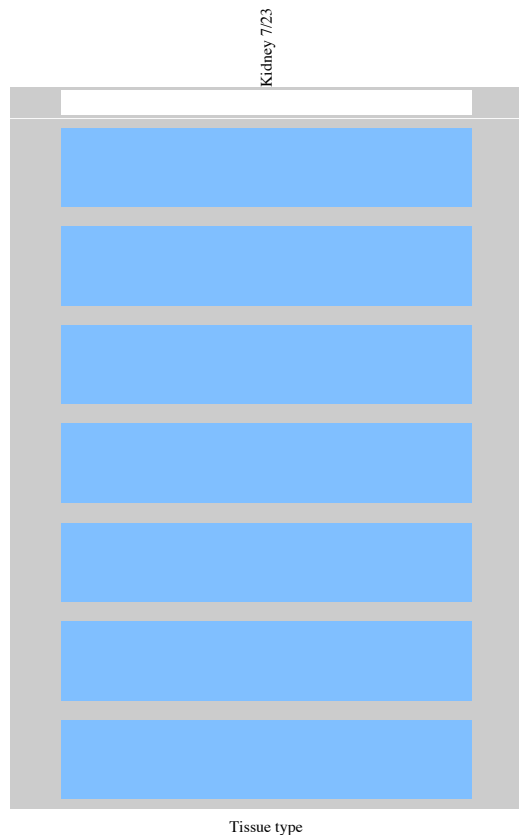
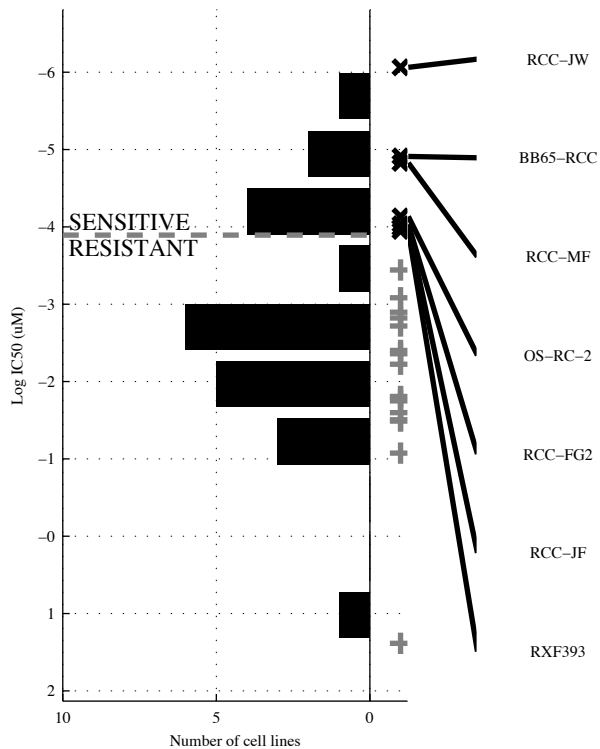
23 cell lines  
 5 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	M															
Logic formula	<b>PI3K o</b>		<b>PBRM1&amp;d(FAT1</b>		<b>-SOX9 &amp; -VHL &amp; d14q24</b>		<b>-NF2 &amp;SMARCA4 &amp; -VHL &amp;TGFB-U</b>		<b>MAPK PI PI3K o</b>		[ <b>BAP1 &amp;MAPK o</b> ]   [ <b>PBRM1&amp;d(FAT1</b> ]		<b>BAP1  MAPK PI</b>		<b>BAP1  MAPK PI</b>	
Specificity	1		0.94		1		0.83		1		0.94		0.94		0.94	
Precision	1		0.67		1		0.63		1		0.75		0.75		0.75	
Recall	0.2		0.4		0.6		1		0.4		0.6		0.6		0.6	

KIRC  
 id: 1016 name: Temsirolimus  
 target: MTOR class: TOR signaling

23 cell lines  
 7 sensitive

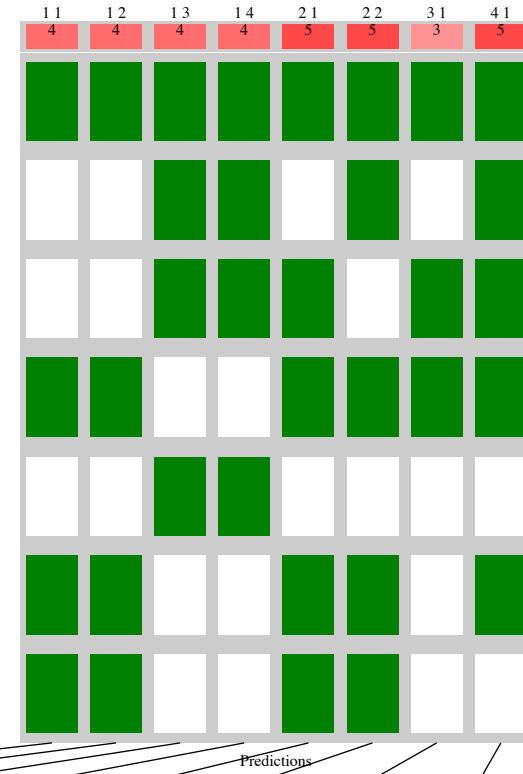
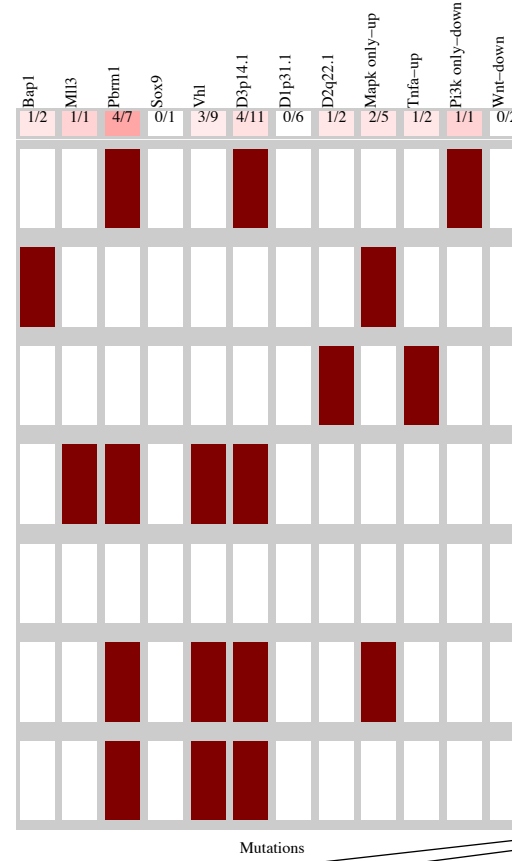
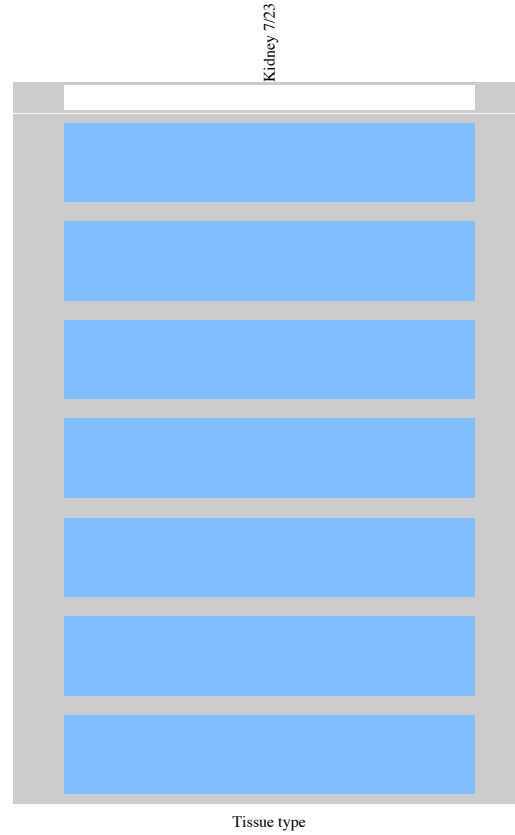
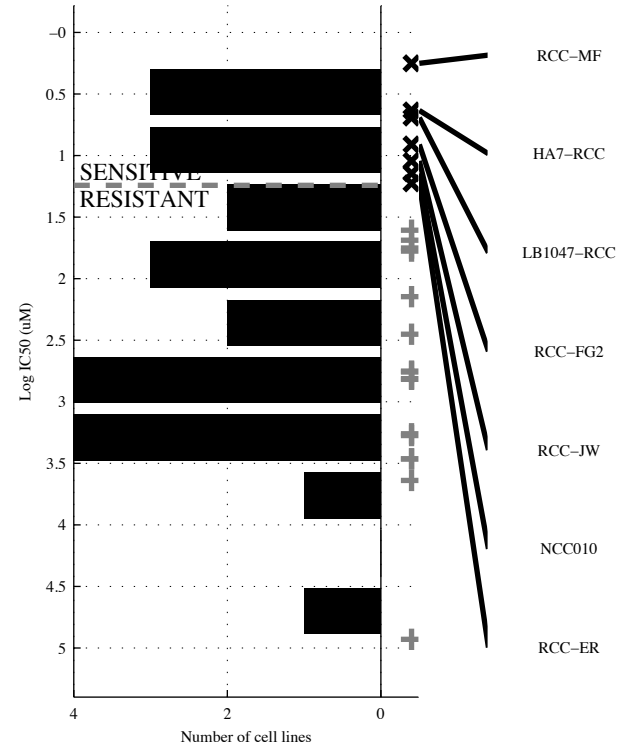


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d(SOX1)</b>	<b>d3q11. &amp; ¬d1p31.</b>	<b>¬NF2 &amp; ¬d(FAT &amp; MAPK o)</b>	<b>¬BAP1 &amp; ¬NF2 &amp; ¬d1p31 &amp; MAPK o</b>	<b>d(SOX1   PI3K o)</b>	<b>[ ¬TP53 &amp; PI3K o ]   [ ¬PBRM &amp; d(SOX1) ]</b>	<b>PTEN   d(SOX1)   PI3K o</b>	<b>ITSN1   PTEN   d(SOX1   PI3K o)</b>
TP   FP	1   0	2   1	5   3	6   3	2   0	2   0	3   0	4   0
FN   TN	6   16	5   15	2   13	1   13	5   16	5   16	4   16	3   16
Specificity	1	0.94	0.81	0.81	1	1	1	1
Precision	1	0.67	0.63	0.67	1	1	1	1
Recall	0.14	0.29	0.71	0.86	0.29	0.29	0.43	0.57



KIRC  
 id: 1023 name: GW 441756  
 target: NTRK1 class: RTK signaling

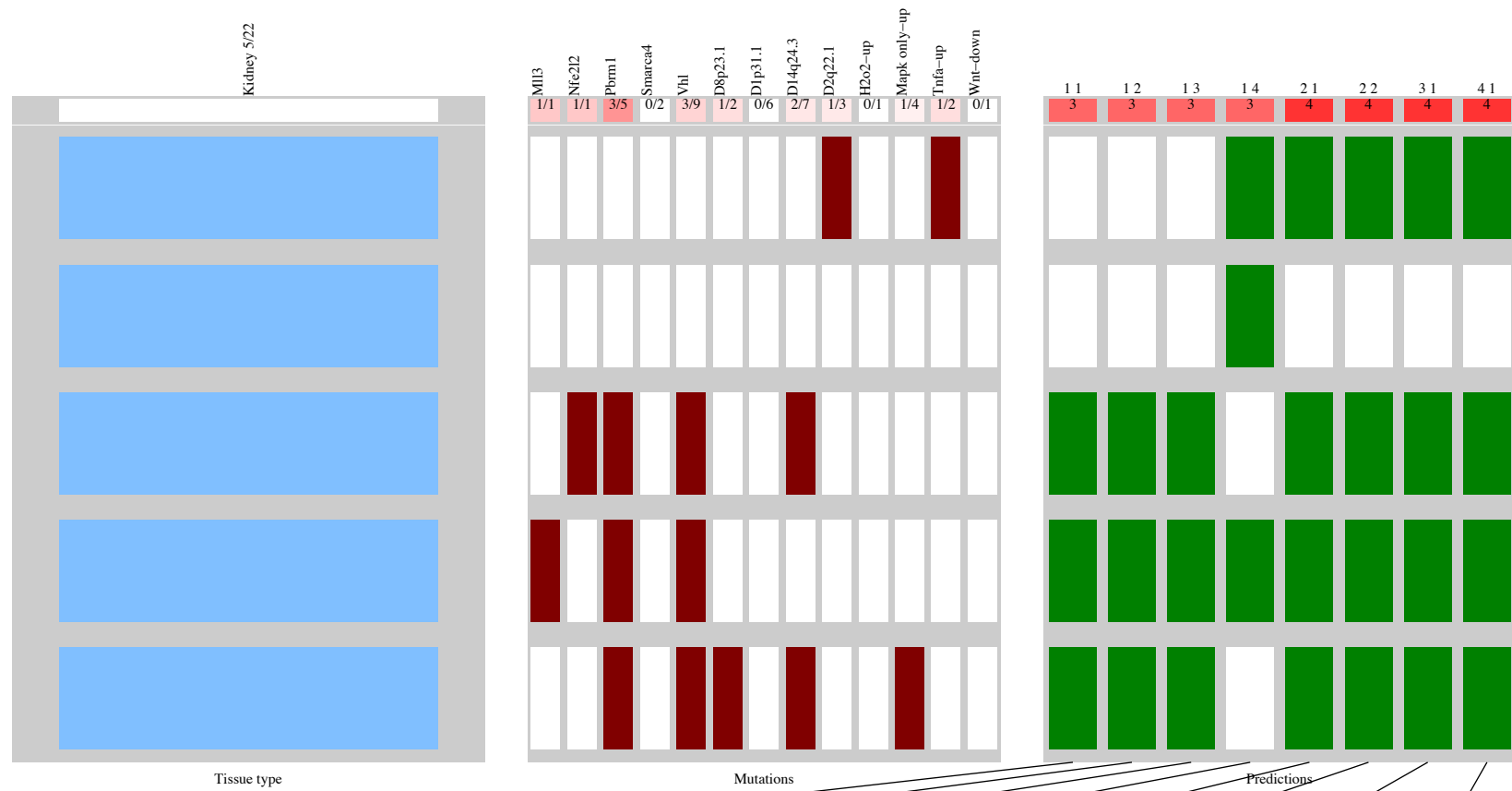
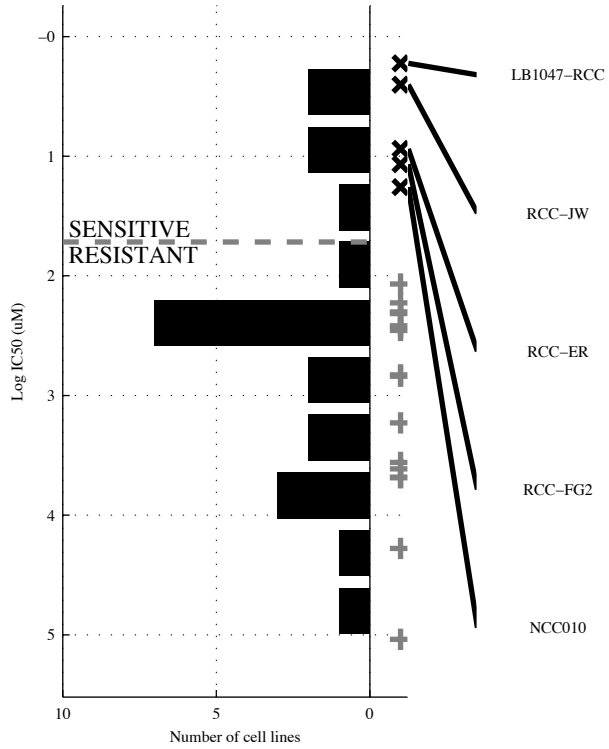
23 cell lines  
 7 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>PBRM1</b>	<b>PBRM1 &amp; d3p14.</b>	<b>-VHL &amp; -d1p31 &amp; -Wnt-DO</b>	<b>-SOX9 &amp; -VHL &amp; -d1p31 &amp; Wnt-DO</b>	<b>PBRM1   TNFa-U</b>	<b>[ PBRM1 &amp; d3p14. ]   [ BAP1 &amp; -SOX9 ]</b>	<b>MLL3   TNFa-U   PI3K o</b>	<b>MLL3   d2q22.   MAPK o   PI3K o</b>
TP   FP Specificity	4   3 0.81	4   1 0.94	4   3 0.81	4   2 0.88	5   3 0.81	5   1 0.94	3   1 0.94	5   3 0.81
FN   TN Precision	3   13 0.57	3   15 0.8	3   13 0.57	3   14 0.67	2   13 0.63	2   15 0.83	4   15 0.75	2   13 0.63
Recall	0.57	0.57	0.57	0.57	0.71	0.71	0.43	0.71

KIRC  
 id: 1029 name: AMG-706  
 target: VEGFR, RET, c-KIT, PDGFR class: RTK signaling

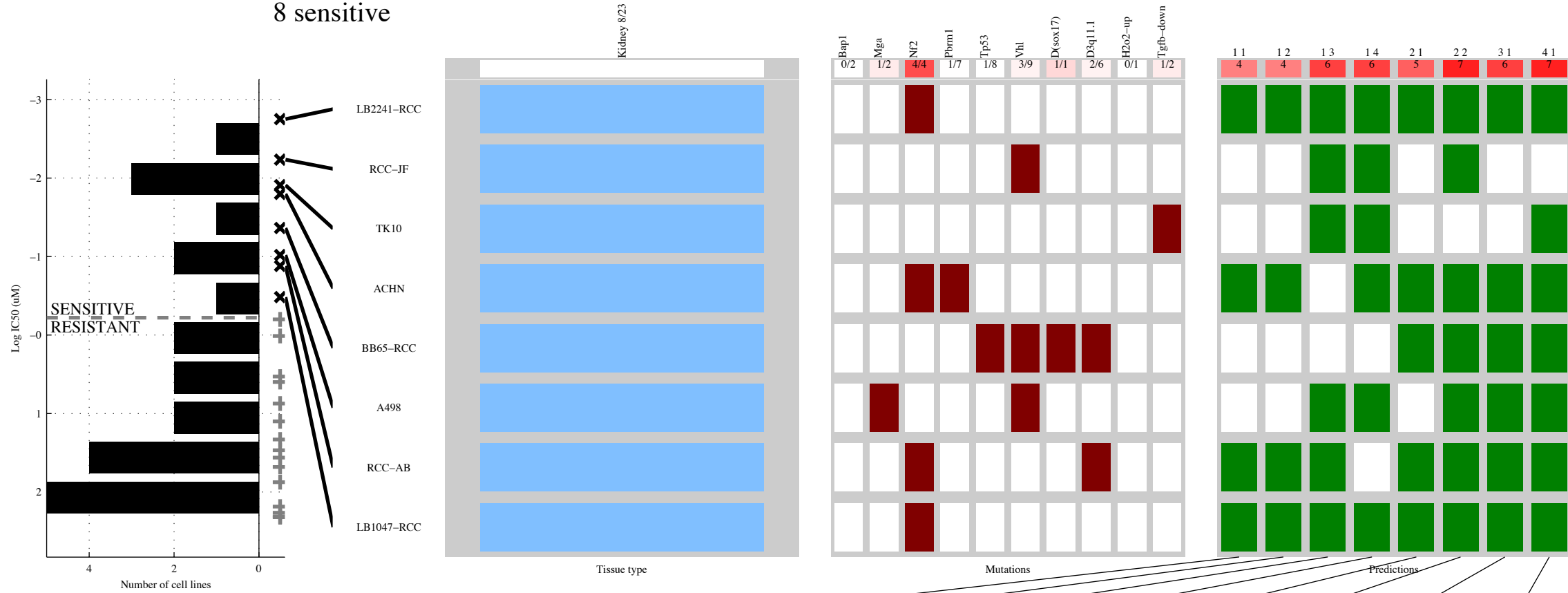
22 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>PBRM1</b>	<b>PBRM1 &amp; VHL</b>	<b>PBRM1 &amp; -d1p31 &amp; -H2O2-U</b>	<b>-SMARCA4 &amp; -d1p31 &amp; -d14q24 &amp; MAPK o</b>	<b>PBRM1   TNFa-U</b>	<b>[ TNFa-U &amp; Wnt-DQ   PBRM1 &amp; VHL ]</b>	<b>NFE2L2   PBRM1   TNFa-U</b>	<b>MLL3   NFE2L2   d8p23.   d22q22.</b>
TP   FP Specificity	3   2 0.88	3   0 1	3   0 1	3   3 0.82	4   2 0.88	4   0 1	4   2 0.88	4   3 0.82
FN   TN Precision	2   15 0.6	2   17 1	2   17 1	2   14 0.5	1   15 0.67	1   17 1	1   15 0.67	1   14 0.57
Recall	0.6	0.6	0.6	0.6	0.8	0.8	0.8	0.8

KIRC  
 id: 1032 name: Afatinib  
 target: ERBB2, EGFR class: EGFR signaling

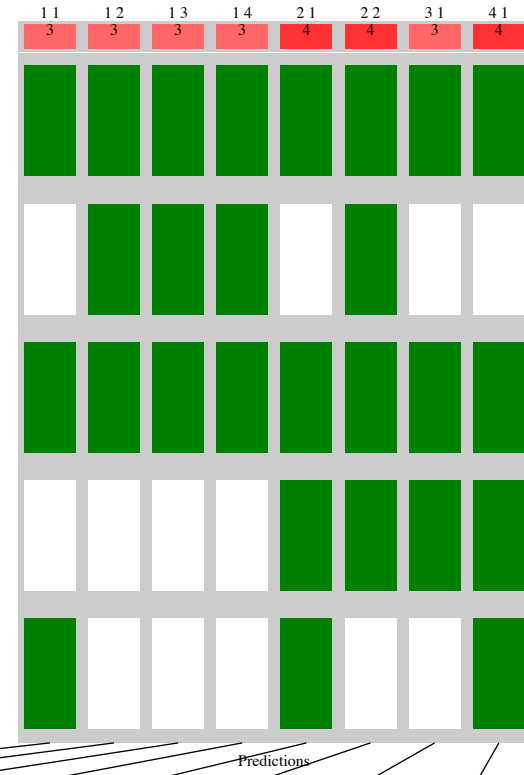
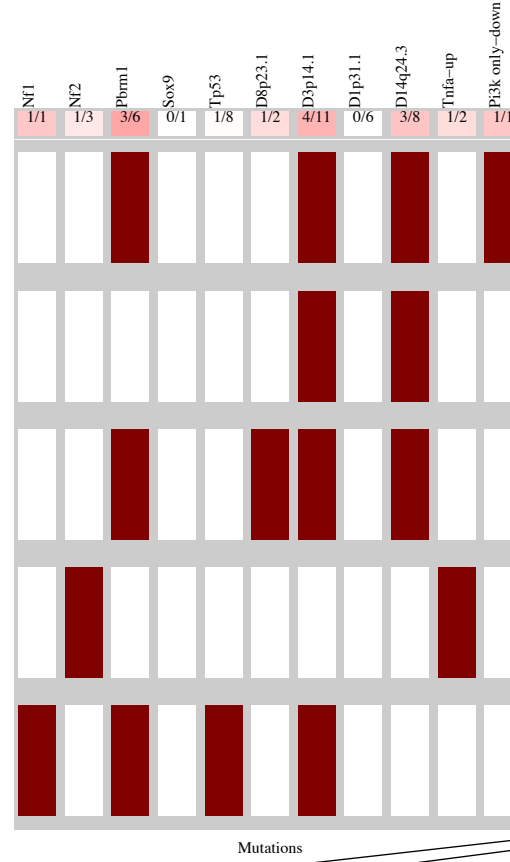
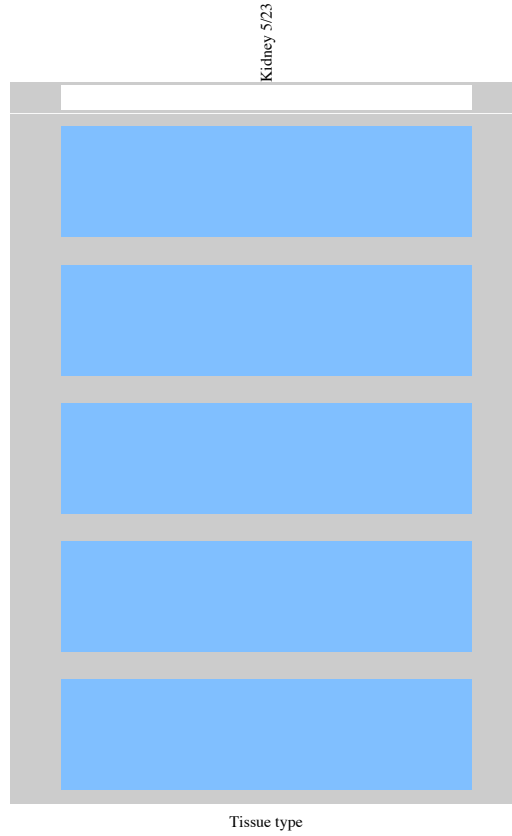
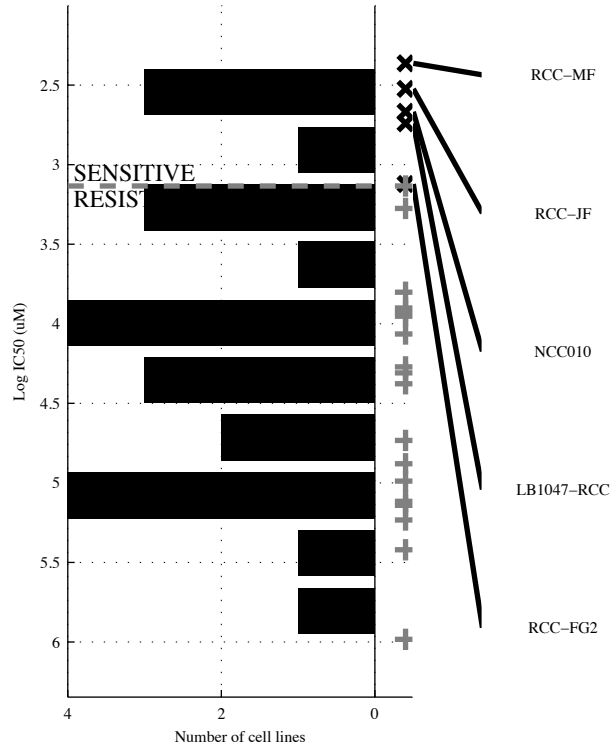
23 cell lines  
 8 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>NF2</b>	<b>NF2 &amp;</b>	<b>-BAP1 &amp; PBRM1 &amp; -TP53</b>	<b>-BAP1 &amp; -TP53 &amp; -d3q11 &amp; H2O2-U</b>	<b>NF2   d(SOX1</b>	<b>[ NF2 &amp; H2O2-U ]   [-PBRM1 &amp; VHL ]</b>	<b>MGA   NF2   d(SOX1</b>	<b>MGA   NF2   d(SOX1   TGFB-D</b>
TP   FP Specificity	4   0 1	4   0 1	6   3 0.8	6   3 0.8	5   0 1	7   3 0.8	6   1 0.93	7   2 0.87
FN   TN Precision	4   15 1	4   15 1	2   12 0.67	2   12 0.67	3   15 1	1   12 0.7	2   14 0.86	1   13 0.78
Recall	0.5	0.5	0.75	0.75	0.63	0.88	0.75	0.88

KIRC  
 id: 1042 name: BIRB 0796  
 target: p38, JNK2 class: JNK and p38 signaling

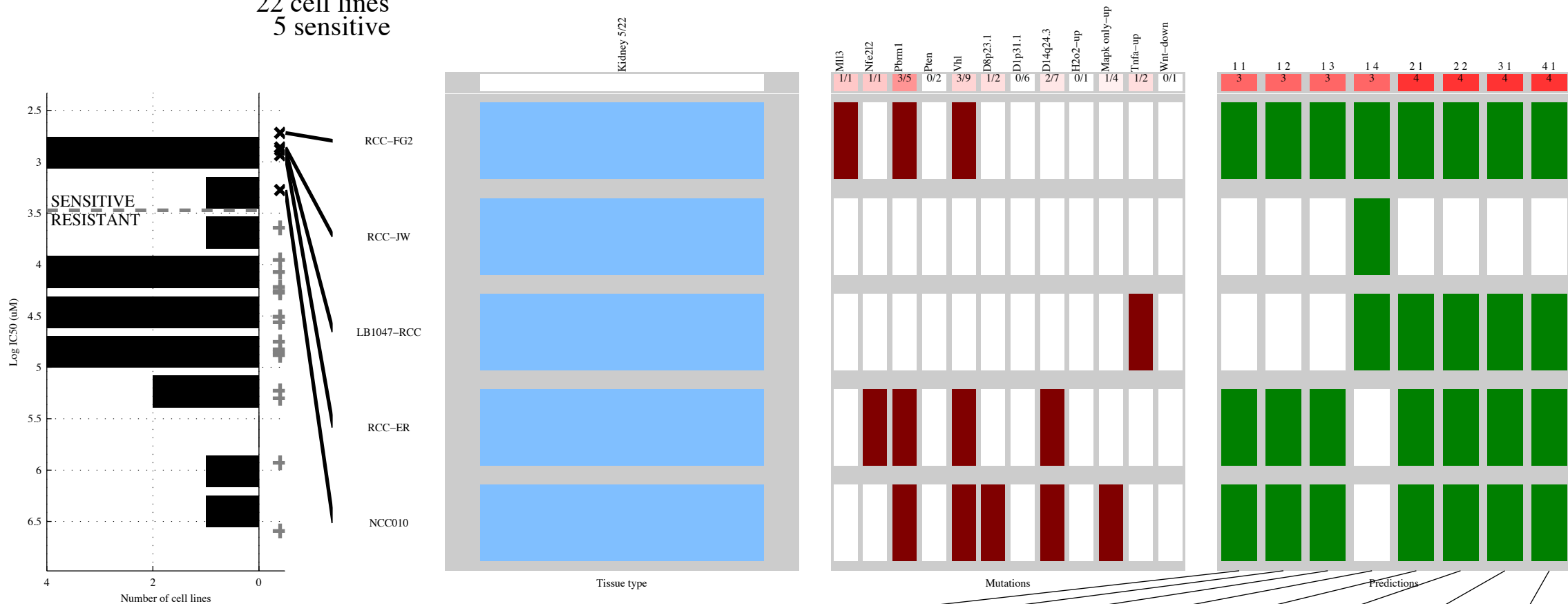
23 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>PBRM1</b>	<b>-TP53 &amp; d14q24</b>	<b>-SOX9 &amp; -TP53 &amp; d14q24</b>	<b>-SOX9 &amp; -TP53 &amp; d3p14. &amp; -d1p31.</b>	<b>PBRM1   TNFa-U</b>	<b>[ -TP53 &amp; d14q24 ]   [ NF2 &amp; -d1p31. ]</b>	<b>d8p23.   TNFa-U   PI3K o</b>	<b>NF1   d8p23.   TNFa-U   PI3K o</b>
TP   FP Specificity	3   3 0.83	3   1 0.94	3   0 1	3   0 1	4   3 0.83	4   1 0.94	3   2 0.89	4   2 0.89
FN   TN Precision	2   15 0.5	2   17 0.75	2   18 1	2   18 1	1   15 0.57	1   17 0.8	2   16 0.6	1   16 0.67
Recall	0.6	0.6	0.6	0.6	0.8	0.8	0.6	0.8

KIRC  
 id: 1043 name: JNK Inhibitor VIII  
 target: JNK class: JNK and p38 signaling

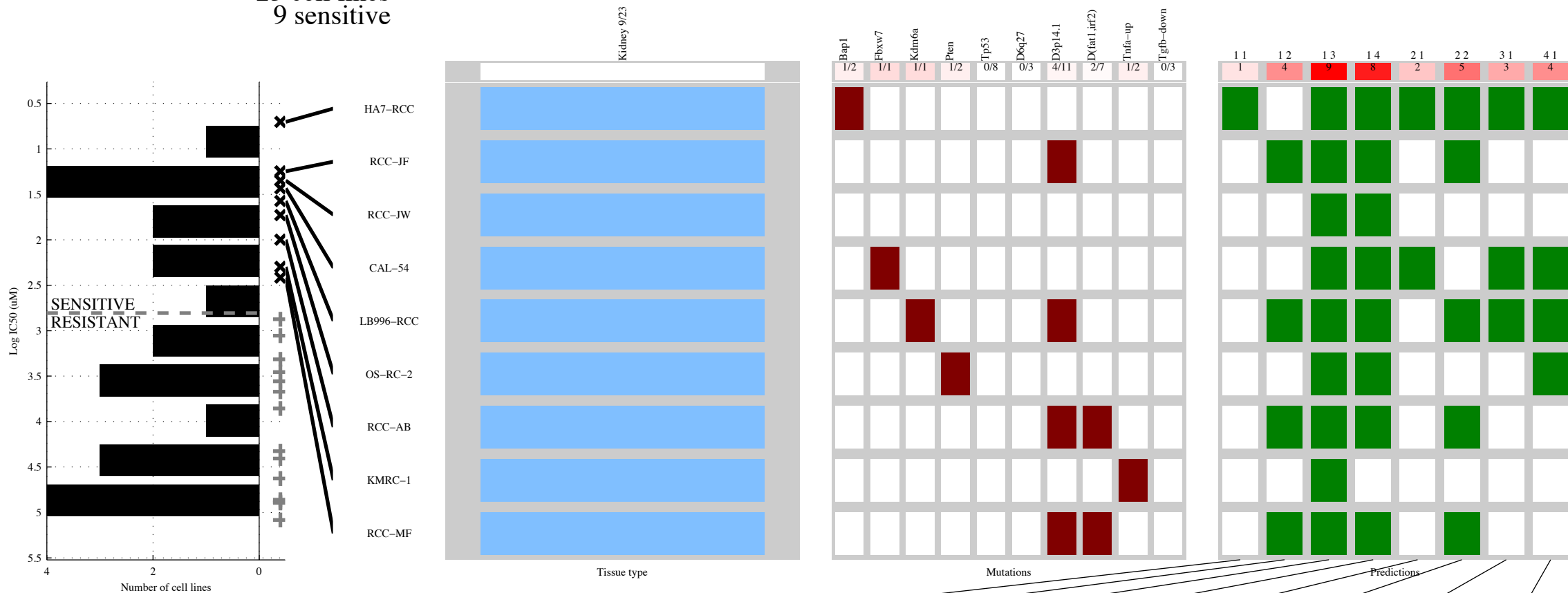
22 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>PBRM1</b>	<b>PBRM1 &amp; VHL</b>	<b>PBRM1 &amp; -d1p31 &amp; -H2O2-U</b>	<b>-PTEN &amp; -d1p31 &amp; -d14q24 &amp; MAPK o</b>	<b>PBRM1   TNFA-U</b>	<b>[ TNFA-U &amp; Wnt-DQ   PBRM1 &amp; VHL ]</b>	<b>PBRM1   TNFA-U  </b>	<b>MLL3   NFE2L2   d8p23.   TNFA-U</b>
TP   FP Specificity	3   2 0.88	3   0 1	3   0 1	3   3 0.82	4   2 0.88	4   0 1	4   2 0.88	4   2 0.88
FN   TN Precision	2   15 0.6	2   17 1	2   17 1	2   14 0.5	1   15 0.67	1   17 1	1   15 0.67	1   15 0.67
Recall	0.6	0.6	0.6	0.6	0.8	0.8	0.8	0.8

KIRC  
 id: 1047 name: Nutlin-3a  
 target: MDM2 class: p53 pathway

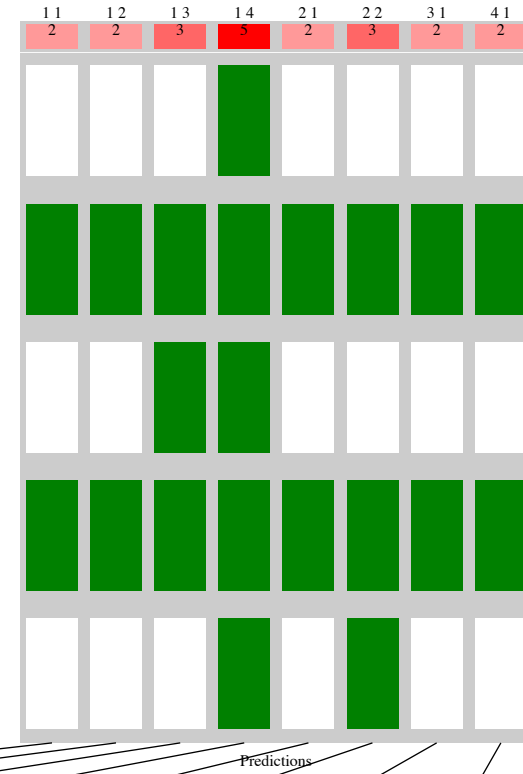
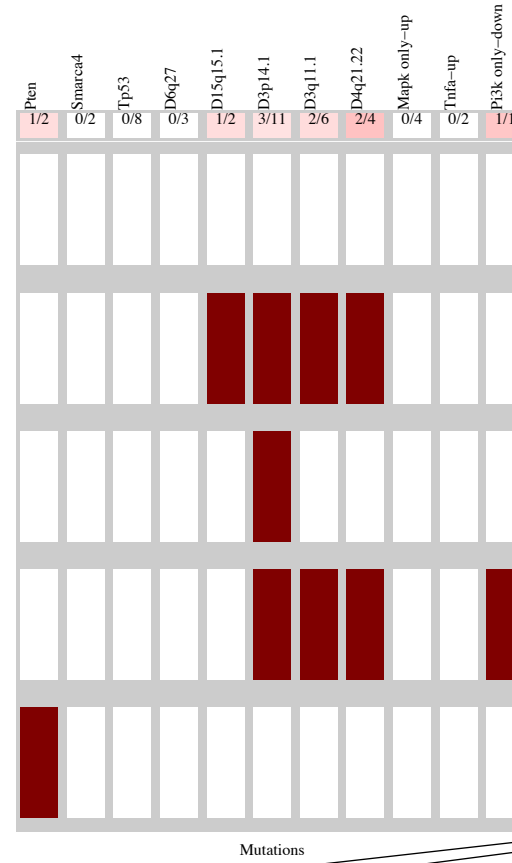
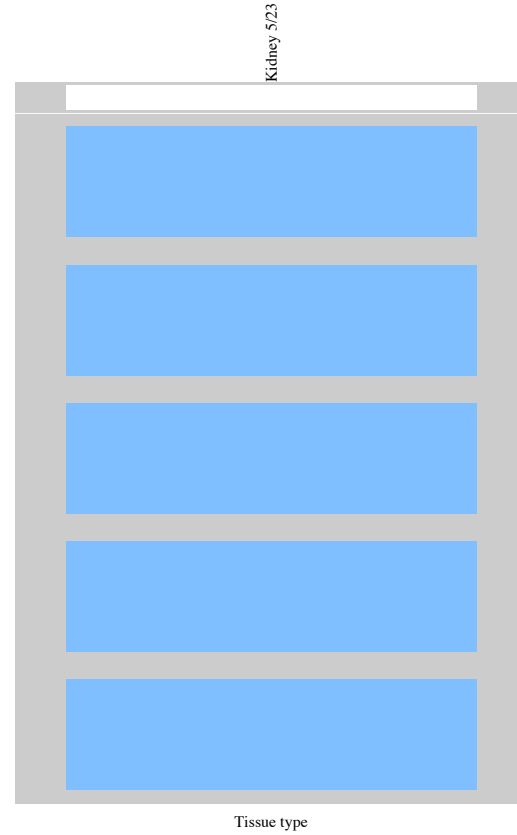
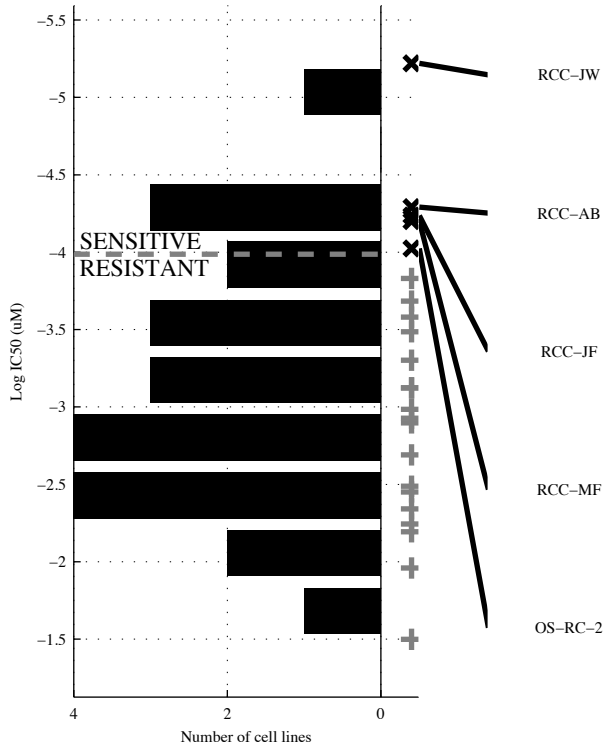
23 cell lines  
 9 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>BAP1</b>		<b>-TP53 &amp; d3p14.</b>		<b>-TP53 &amp; -d6q27 &amp; -TGFB-D</b>		<b>-TP53 &amp; -d6q27 &amp; -TNFa-&amp;TGFB-D</b>		<b>BAP1   FBXW7</b>		<b>[ BAP1 &amp; -d(FAT1)   -TP53 &amp; d3p14. ]</b>		<b>BAP1   FBXW7   KDM6A</b>		<b>BAP1   FBXW7   KDM6A   PTEN</b>	
TP   FP Specificity	1   1	0.93	4   2	0.86	9   2	0.86	8   1	0.93	2   1	0.93	5   2	0.86	3   1	0.93	4   2	0.86
FN   TN Precision	8   13	0.5	5   12	0.67	0   12	0.82	1   13	0.89	7   13	0.67	4   12	0.71	6   13	0.75	5   12	0.67
Recall		0.11		0.44		1		0.89		0.22		0.56		0.33		0.44

KIRC  
 id: 1057 name: NVP-BEZ235  
 target: PI3K (Class 1) and MTORC12 class: PI3K signaling

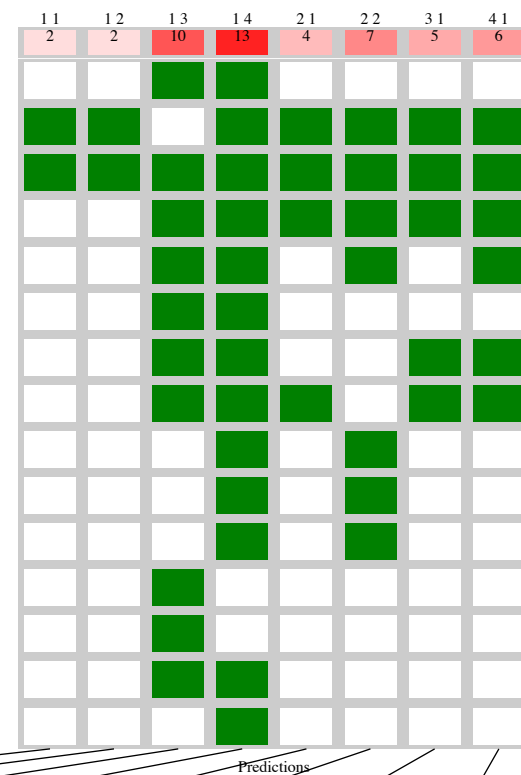
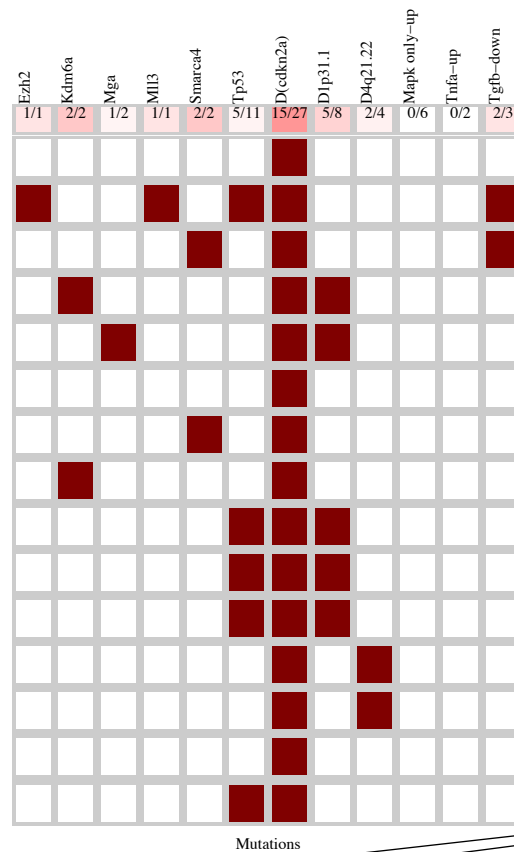
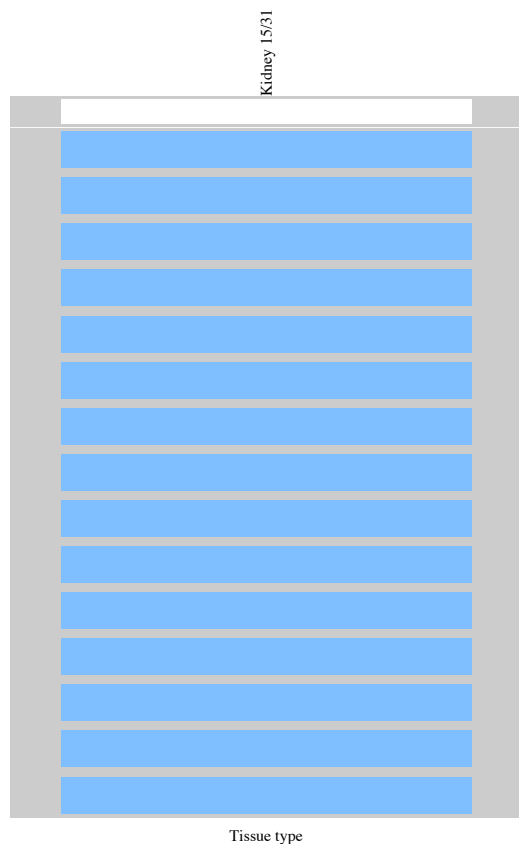
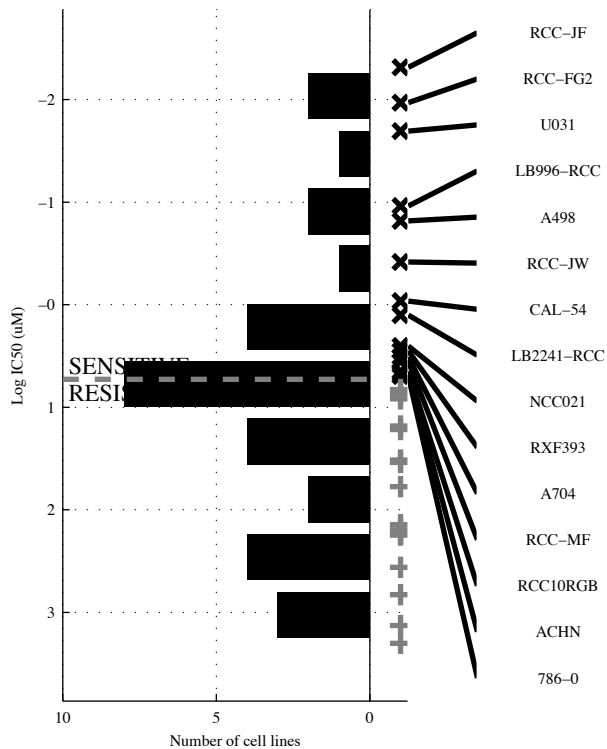
23 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d4q21.</b>	<b>d3q11. &amp; d4q21.</b>	<b>-TP53 &amp; -d6q27 &amp; d3p14.</b>	<b>-SMARC &amp; -TP53 &amp; -MAPK &amp; TNFa-U</b>	<b>d15q15   PI3K o</b>	[ PTEN & -TP53 ]   [ <b>d3q11. &amp; d4q21.</b> ]	<b>d15q15   PI3K o  </b>	<b>d15q15   PI3K o  </b> 
TP   FP Specificity FN   TN Precision Recall	$\frac{2}{3} \mid \frac{2}{16}$ 0.89 0.5 0.4	$\frac{2}{3} \mid \frac{0}{18}$ 1 1 0.4	$\frac{3}{2} \mid \frac{1}{17}$ 0.94 0.75 0.6	$\frac{5}{0} \mid \frac{3}{15}$ 0.83 0.63 1	$\frac{2}{3} \mid \frac{1}{17}$ 0.94 0.67 0.4	$\frac{3}{2} \mid \frac{0}{18}$ 1 1 0.6	$\frac{2}{3} \mid \frac{1}{17}$ 0.94 0.67 0.4	$\frac{2}{3} \mid \frac{1}{17}$ 0.94 0.67 0.4

KIRC  
 id: 1066 name: AZD6482  
 target: PI3Kbeta class: PI3K signaling

31 cell lines  
 15 sensitive

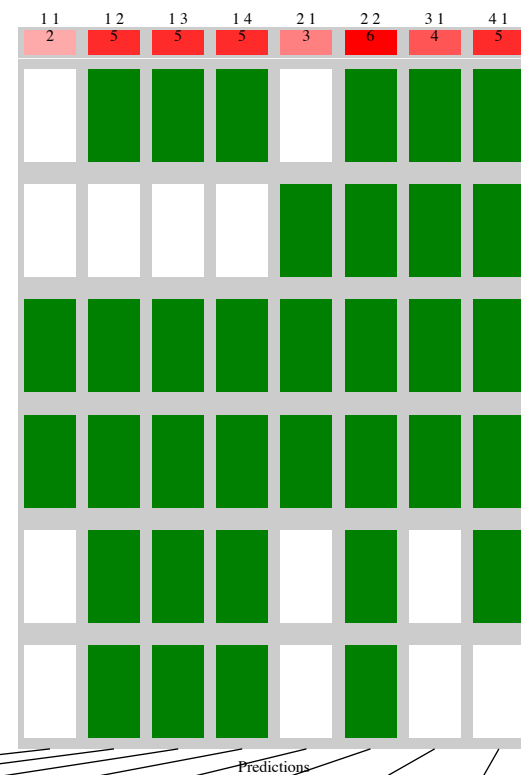
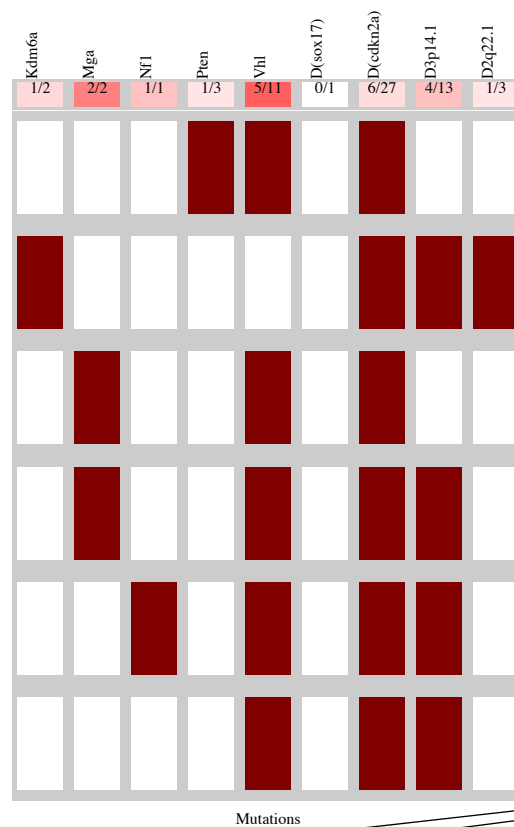
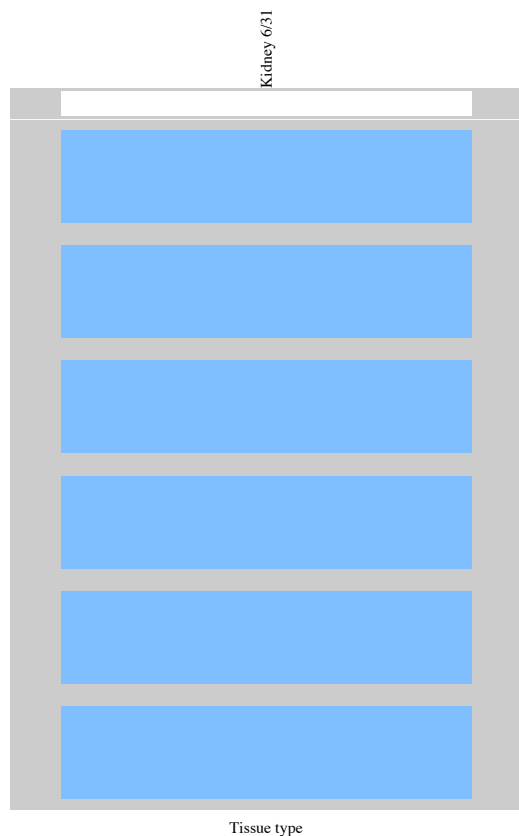
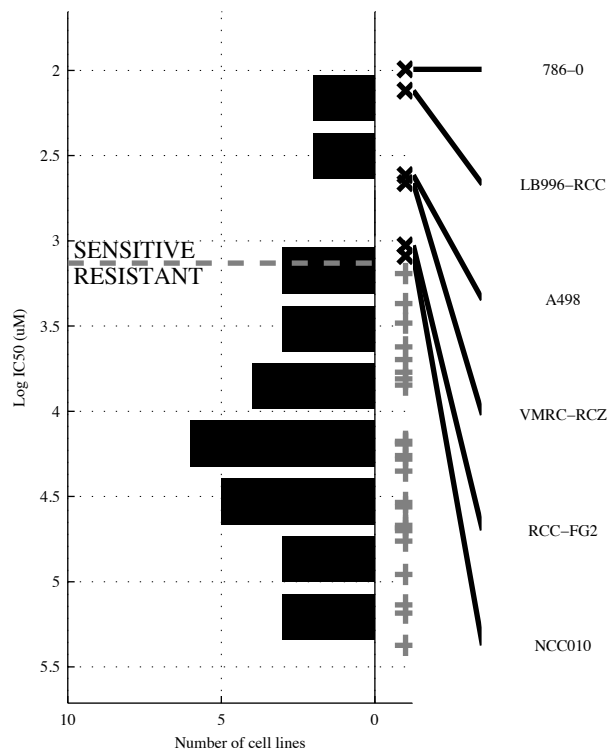


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>TGFB-D</b>	<b>d(CDKN) &amp; TGFB-D</b>	<b>-TP53 &amp; MAPK &amp; -TNFa-U</b>	<b>d(CDKN &amp; -d4q21 &amp; -MAPK &amp; TNFa-U</b>	<b>KDM6A   TGFB-D</b>	<b>[ d1p31. &amp; -d4q21. ]   [-MAPK &amp; TGFB-D]</b>	<b>EZH2   KDM6A   SMARCA</b>	<b>KDM6A   MGA   MLL3 SMARCA</b>
TP   FP Specificity	2   1 0.94	2   0 1	10   3 0.81	13   3 0.81	4   1 0.94	7   2 0.88	5   0 1	6   1 0.94
FN   TN Precision	13   15 0.67	13   16 1	5   13 0.77	2   13 0.81	11   15 0.8	8   14 0.78	10   16 1	9   15 0.86
Recall	0.13	0.13	0.67	0.87	0.27	0.47	0.33	0.4



KIRC  
 id: 1067 name: CCT007093  
 target: PPM1D class: other

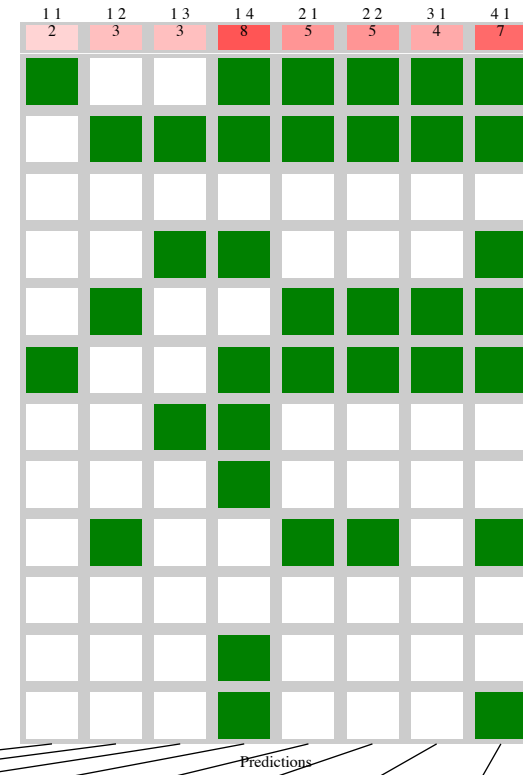
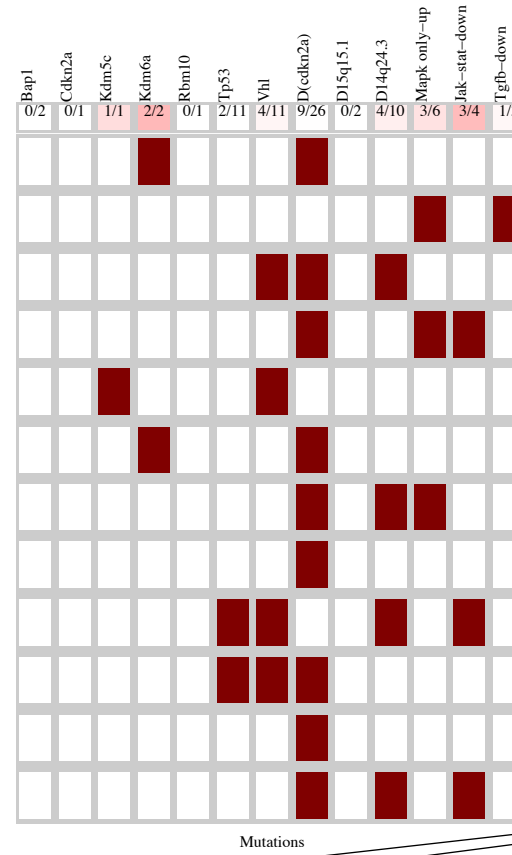
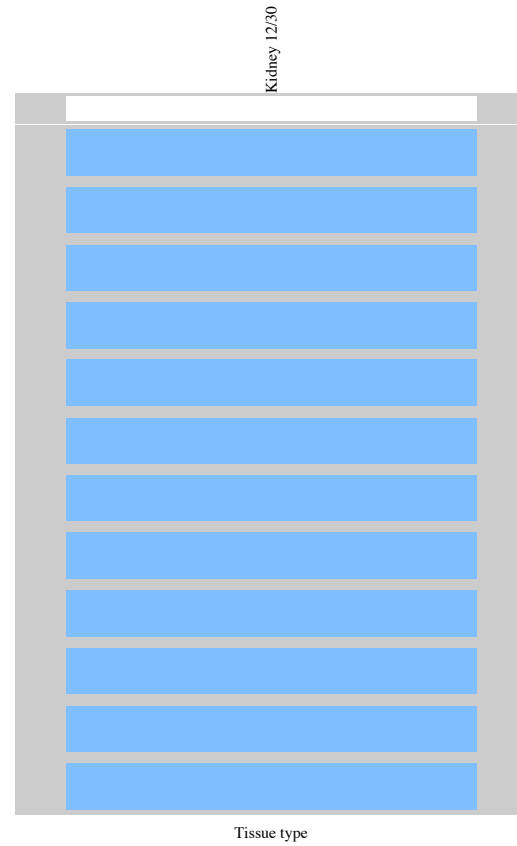
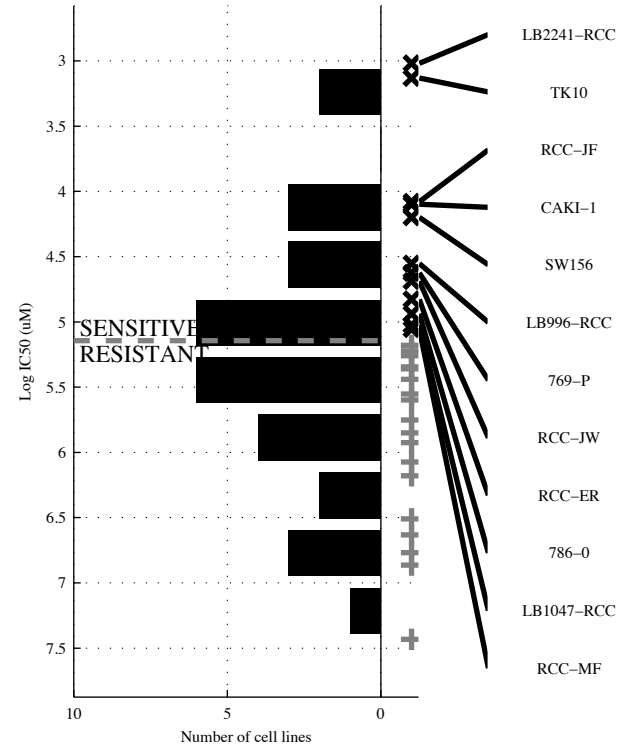
31 cell lines  
 6 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>MGA</b>		<b>VHL &amp;d(CDKN</b>		<b>VHL &amp;d(CDKN&amp;</b>		<b>VHL &amp;d(SOX&amp;</b>		<b>KDM6A   MGA</b>		<b>[ VHL &amp;d(CDKN]</b>		<b>KDM6A   MGA  </b>		<b>KDM6A   MGA  </b>	
					<b>-d2q22.</b>		<b>d(CDKN&amp;-d2q22.</b>				<b> </b>		<b>PTEN</b>		<b>NF1   PTEN</b>	
TP   FP Specificity	2   0	1	5   4	0.84	5   3	0.88	5   2	0.92	3   1	0.96	6   4	0.84	4   3	0.88	5   3	0.88
FN   TN Precision	4   25	1	1   21	0.56	1   22	0.63	1   23	0.71	3   24	0.75	0   21	0.6	2   22	0.57	1   22	0.63
Recall	0.33		0.83		0.83		0.83		0.5		1		0.67		0.83	

KIRC  
 id: 1114 name: Cetuximab  
 target: EGFR class: EGFR signaling

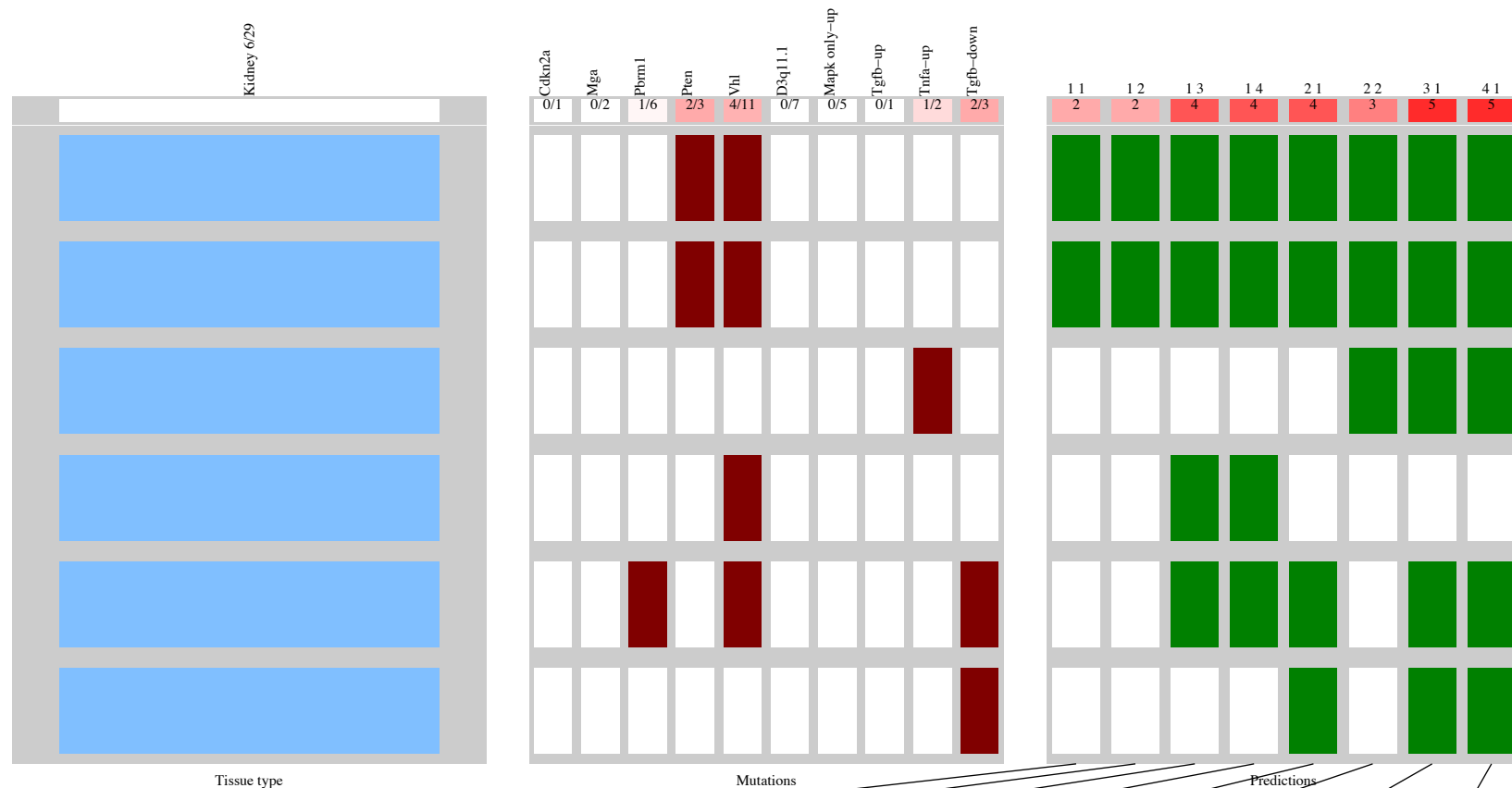
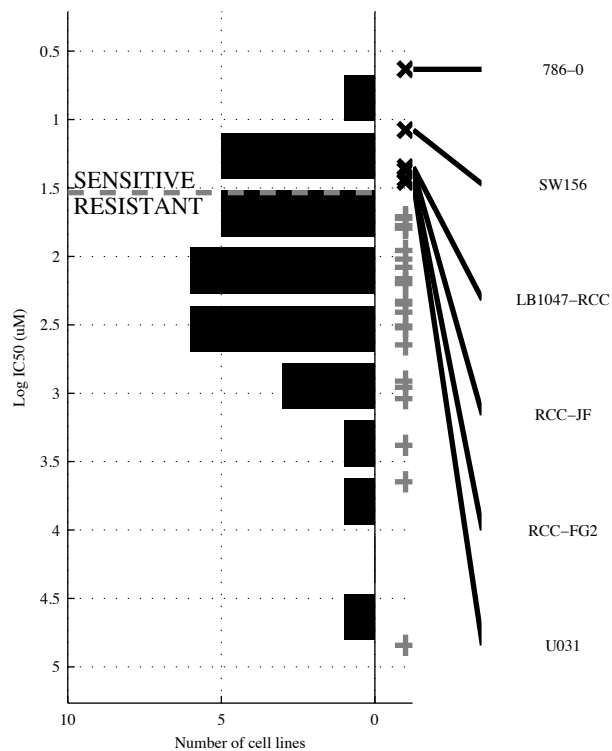
30 cell lines  
 12 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>KDM6A</b>	<b>-RBM10 &amp; -d(CDKN)</b>	<b>-BAP1 &amp; -VHL &amp; MAPK o</b>	<b>-BAP1 &amp; -TP53 &amp; -VHL &amp; -d15q15</b>	<b>KDM6A &amp; -d(CDKN)</b>	<b>[KDM6A &amp; -d14q24]   -CDKN2 &amp; -d(CDKN)</b>	<b>KDM5C   KDM6A   TGFB-D</b>	<b>KDM5C   KDM6A   JAK-STITGFB-D</b>
TP   FP	2   0	3   0	3   0	8   2	5   1	5   0	4   2	7   3
Specificity	1	1	1	0.89	0.94	1	0.89	0.83
FN   TN	10   18	9   18	9   18	4   16	7   17	7   18	8   16	5   15
Precision	1	1	1	0.8	0.83	1	0.67	0.7
Recall	0.17	0.25	0.25	0.67	0.42	0.42	0.33	0.58

KIRC  
 id: 1133 name: JNJ-26854165  
 target: MDM2 class: p53 pathway

29 cell lines  
 6 sensitive

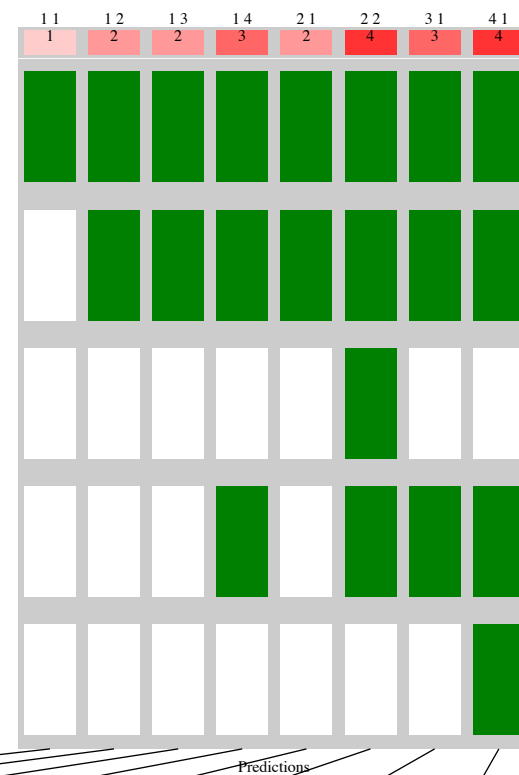
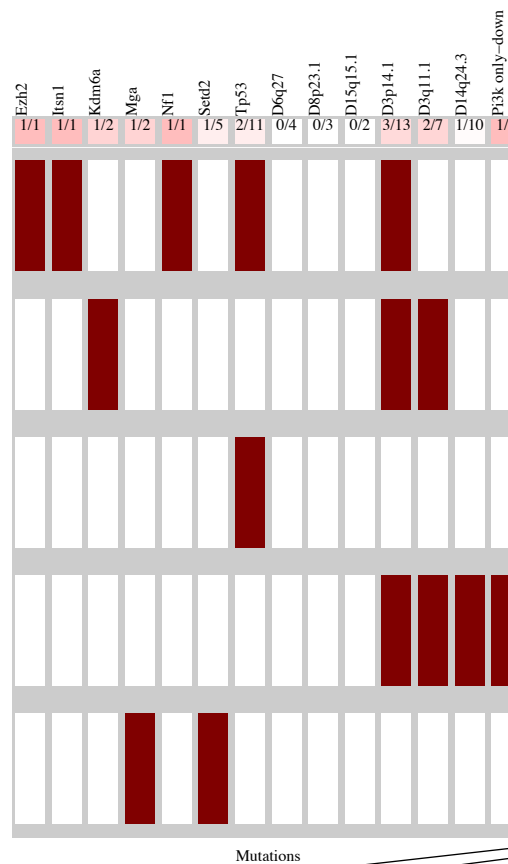
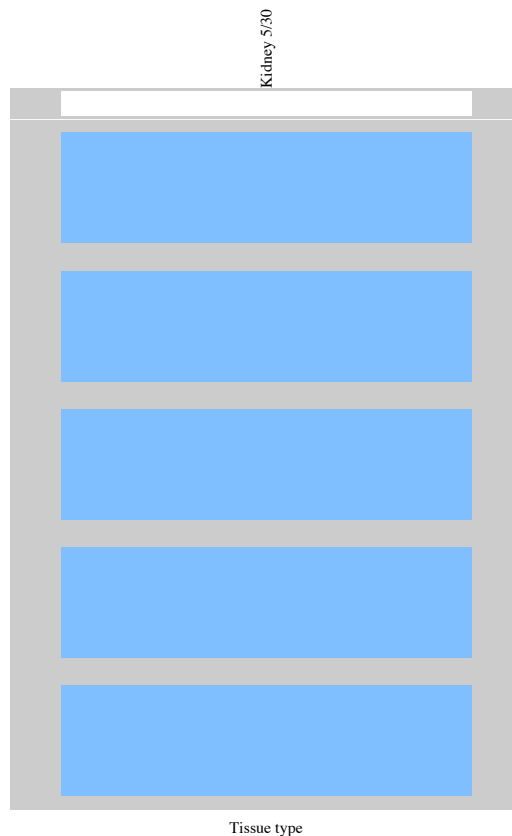
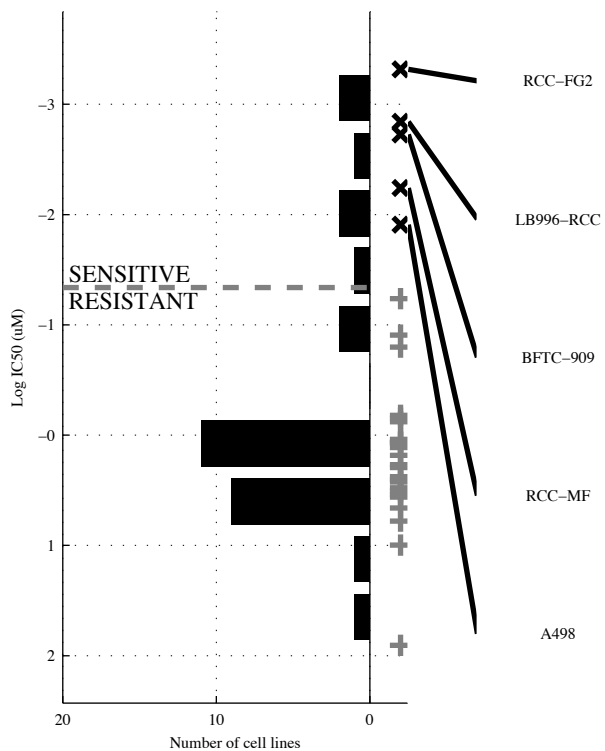


Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	1		1		1		1		2		2		3		4	
M	1		2		3		4		1		2		1		1	
Logic formula	<b>PTEN</b>		<b>¬CDKN2&amp; PTEN</b>		<b>¬MGA &amp; VHL &amp;</b>		<b>¬MGA &amp; VHL &amp;</b>		<b>PTEN  TGFB-D</b>		<b>[ PTEN &amp;TGFB-U]</b>		<b>PTEN  TNFa-U </b>		<b>PTEN  TNFa-U </b>	
					<b>¬MAPK o</b>		<b>¬d3q11.&amp;MAPK o</b>				<b>[¬PBRM&amp;TNFa-U]</b>		<b>TGFB-D</b>		<b>TGFB-D </b>	
TP   FP	2   1	0.96	2   1	0.96	4   3	0.87	4   2	0.91	4   2	0.91	3   1	0.96	5   3	0.87	5   3	0.87
FN   TN	4   22	0.67	4   22	0.67	2   20	0.57	2   21	0.67	2   21	0.67	3   22	0.75	1   20	0.63	1   20	0.63
Specificity	0.96		0.96		0.87		0.91		0.91		0.96		0.87		0.87	
Precision	0.67		0.67		0.57		0.67		0.67		0.75		0.63		0.63	
Recall	0.33		0.33		0.67		0.67		0.67		0.5		0.83		0.83	



KIRC  
 id: 1261 name: rTRAIL  
 target: TR10A (DR4), TR10B (DR5) class: apoptosis regulation

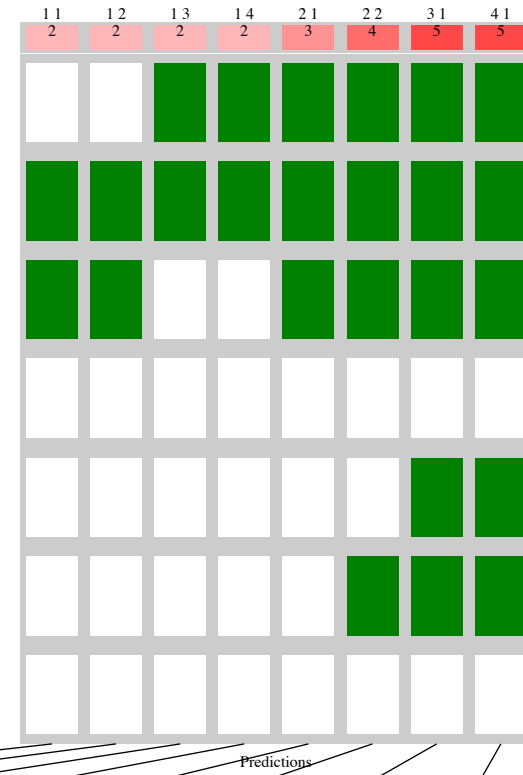
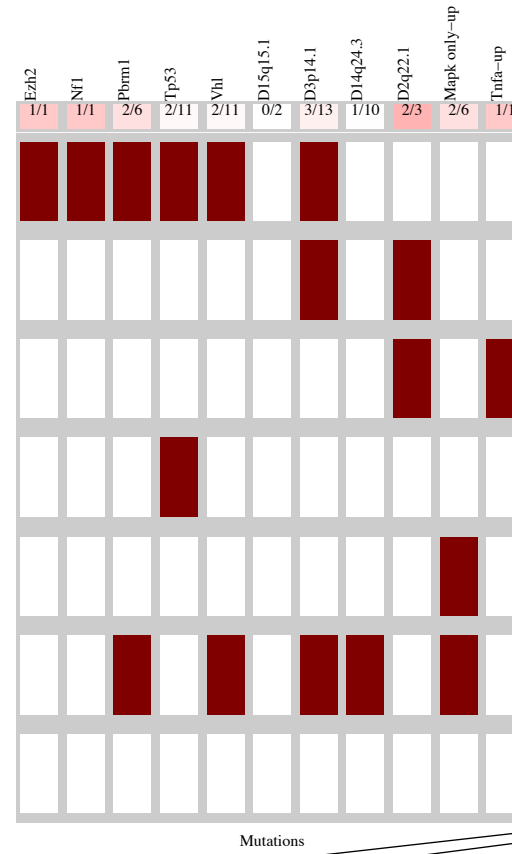
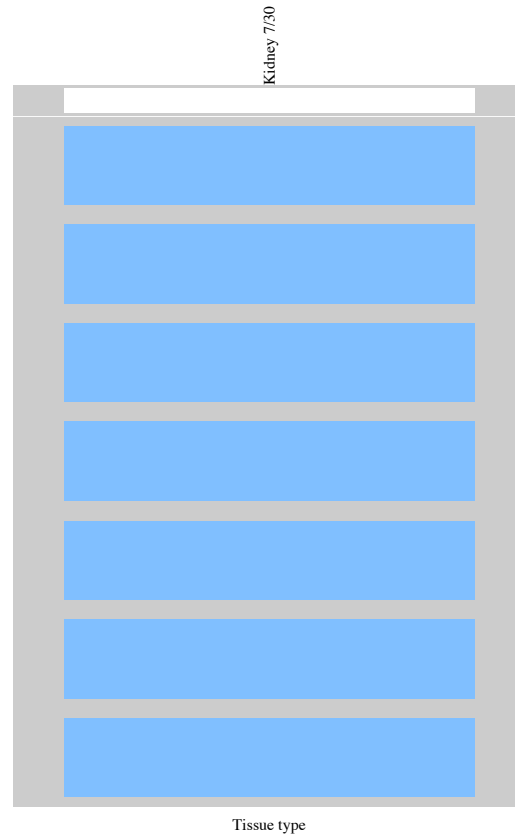
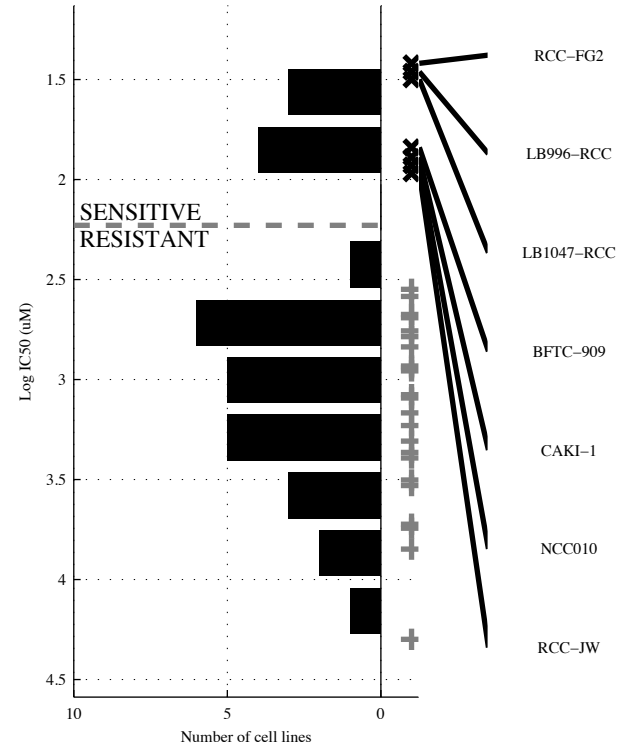
30 cell lines  
 5 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>EZH2</b>		<b>d3p14. &amp; ~d14q24</b>		<b>~d15q15 &amp; d3p14. &amp; ~d14q24</b>		<b>~SETD2 &amp; ~d6q27 &amp; ~d8p23 &amp; d3p14.</b>		<b>ITSN1   KDM6A</b>		<b>[ ~d8p23 &amp; d3q11. ]   [ TP53 &amp; ~d14q24 ]</b>		<b>KDM6A   NF1   PI3K o</b>		<b>EZH2   KDM6A   MGA   PI3K o</b>	
TP   FP Specificity	1   0	1	2   1	0.96	2   0	1	3   3	0.88	2   1	0.96	4   5	0.8	3   1	0.96	4   2	0.92
FN   TN Precision	4   25	1	3   24	0.67	3   25	1	2   22	0.5	3   24	0.67	1   20	0.44	2   24	0.75	1   23	0.67
Recall		0.2		0.4		0.4		0.6		0.4		0.8		0.6		0.8

KIRC  
 id: 1268 name: XAV 939  
 target: TNKS1 (tankyrase-1) class: WNT signaling

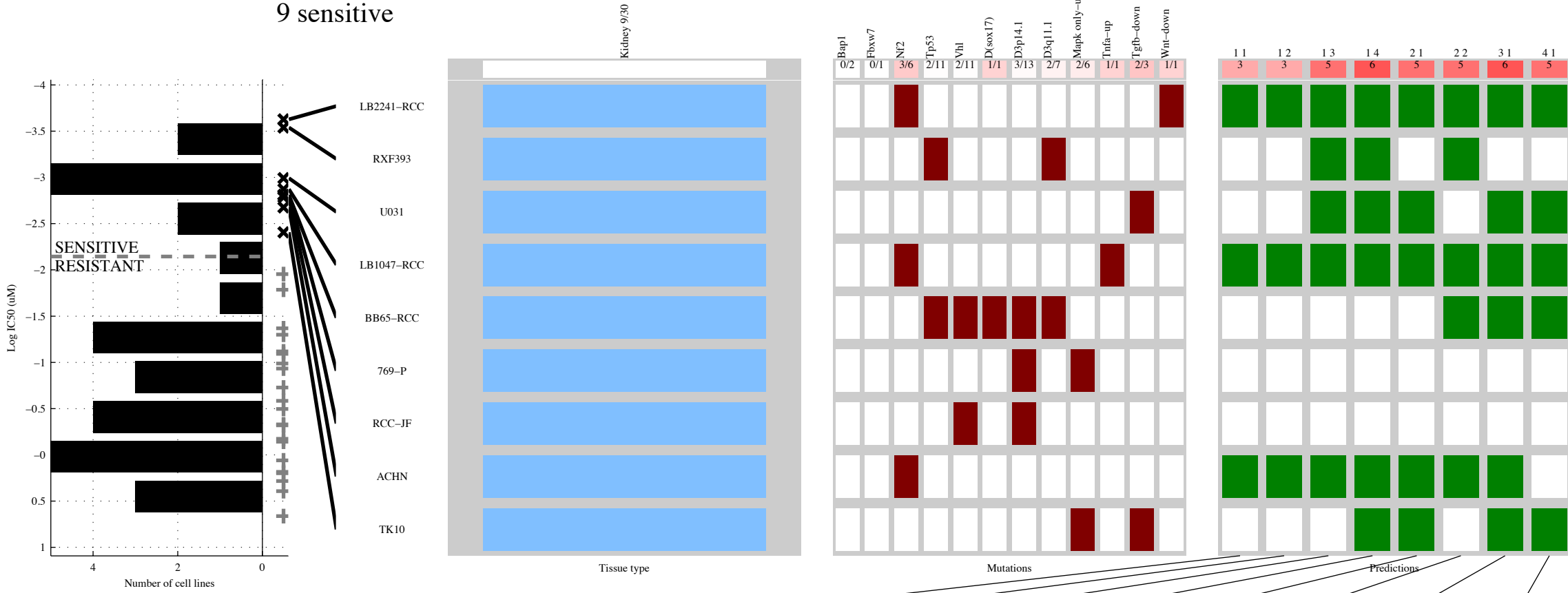
30 cell lines  
 7 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d2q22.</b>	<b>-VHL &amp; d2q22.</b>	<b>-d15q15&amp; d3p14. &amp; -d14q24</b>	<b>-d15q15&amp; d3p14. &amp; -d14q24&amp;</b>	<b>NF1   d2q22.</b>	<b>[ PBRM1&amp; VHL ]   [ -TP53 &amp; d2q22. ]</b>	<b>EZH2   d2q22.   MAPK o</b>	<b>EZH2   d2q22.   MAPK o TNFa-U</b>
TP   FP Specificity	2   1 0.96	2   0 1	2   0 1	2   0 1	3   1 0.96	4   1 0.96	5   4 0.83	5   4 0.83
FN   TN Precision	5   22 0.67	5   23 1	5   23 1	5   23 1	4   1 0.75	3   22 0.8	2   19 0.56	2   19 0.56
Recall	0.29	0.29	0.29	0.29	0.43	0.57	0.71	0.71

KIRC  
 id: 1372 name: Trametinib  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

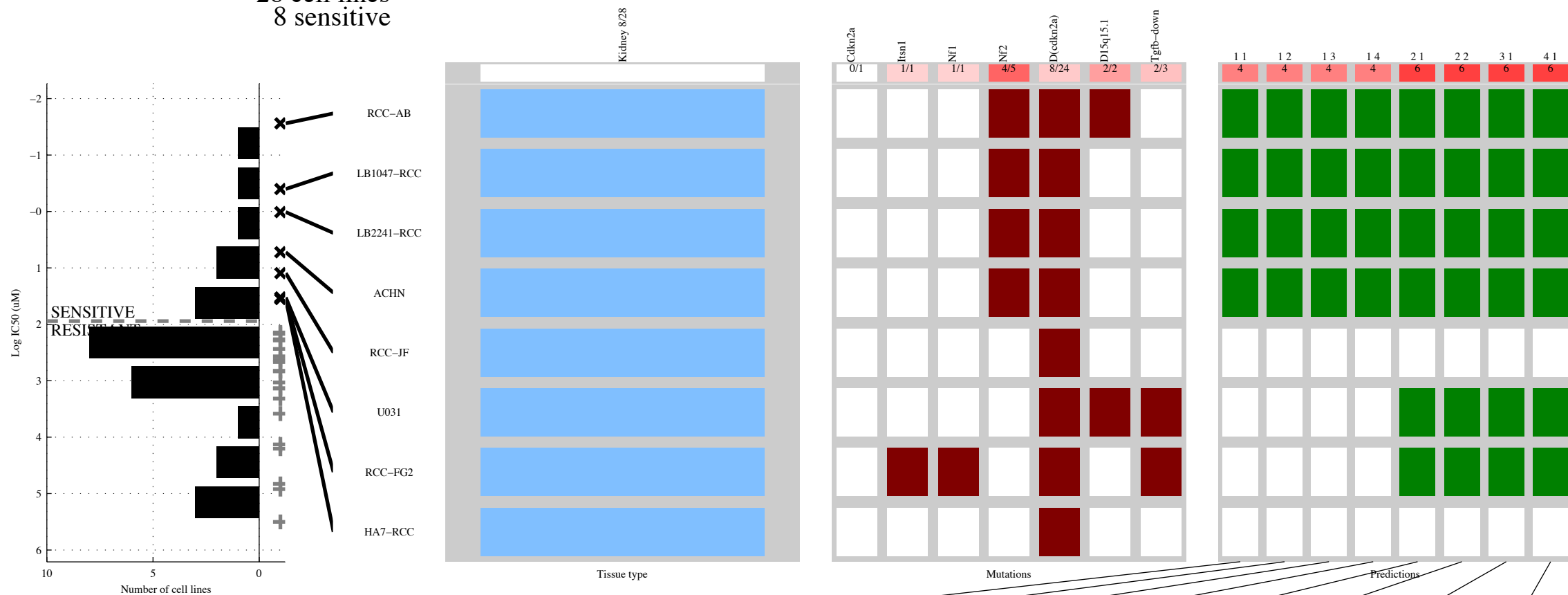
30 cell lines  
 9 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	M															
Logic formula	<b>NF2</b>		<b>NF2 &amp; ¬d3p14.</b>		<b>¬VHL &amp; ¬d3p14.&amp; ¬MAPK o</b>		<b>¬BAP1&amp;FBXW&amp; ¬VHL &amp; ¬d3p14.</b>		<b>NF2  TGFB-D</b>		<b>[ TP53 &amp; d3q11. ]   [ NF2 &amp; ¬d3p14.]</b>		<b>NF2   d(SOX1   TGFB-D</b>		<b>d(SOX1  TNFa-U   TGFB-DIWnt-DO</b>	
TP   FP Specificity	3   3 0.86		3   1 0.95		5   4 0.81		6   4 0.81		5   4 0.81		5   2 0.9		6   4 0.81		5   1 0.95	
FN   TN Precision	3   3 0.5		3   1 0.75		5   4 0.56		6   4 0.6		5   4 0.56		5   2 0.71		6   4 0.6		5   1 0.83	
Recall	6   18 0.33		6   20 0.33		4   17 0.56		3   17 0.67		4   17 0.56		4   19 0.56		3   17 0.67		4   20 0.56	

KIRC  
 id: 1373 name: Dabrafenib  
 target: BRAF class: ERK MAPK signaling

28 cell lines  
 8 sensitive

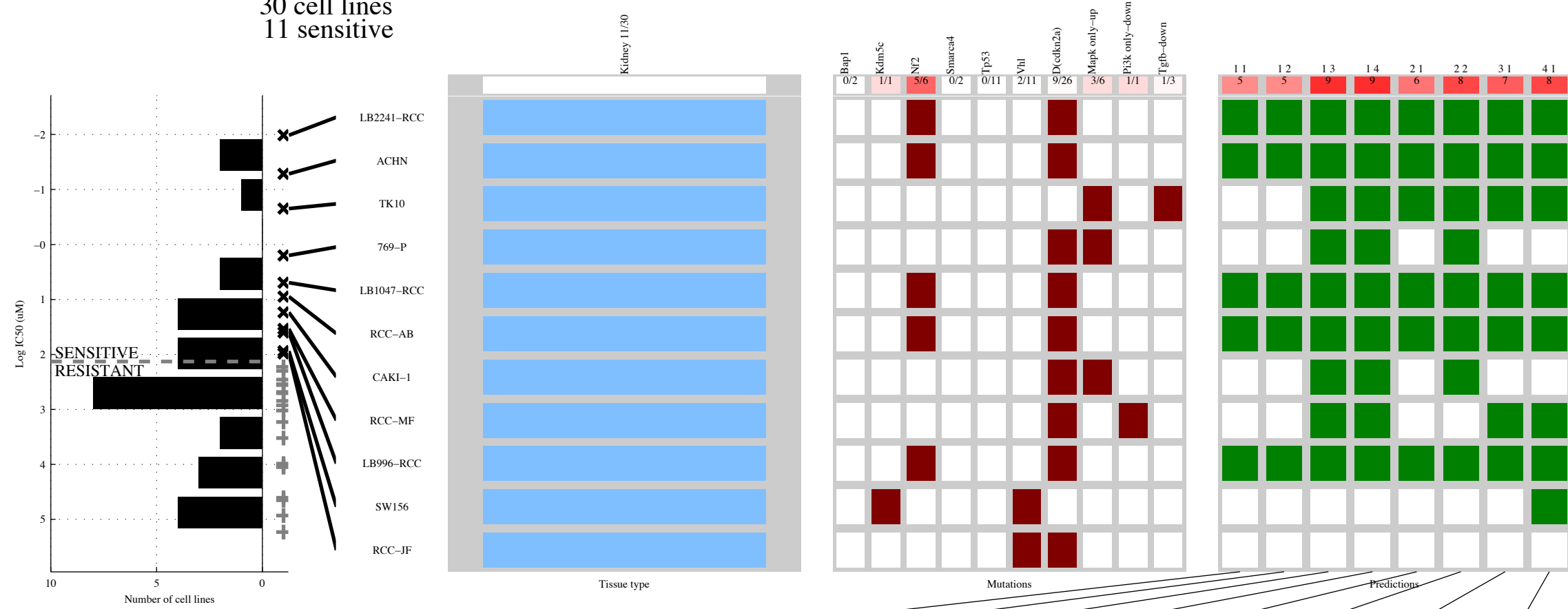


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>NF2</b>	<b>-CDKN2&amp; NF2</b>	<b>-CDKN2&amp; NF2 &amp;</b>	<b>-CDKN2&amp; NF2 &amp;</b>	<b>NF2  TGFB-D</b>	<b>[ NF2 &amp;(CDKN)  </b>	<b>ITSN1   NF2  </b>	<b>NF1   NF2  </b>
				<b>&amp;</b>		<b>[d(CDKN&amp;TGFB-D)</b>	<b>d15q15</b>	<b>d15q15  </b>
TP   FP Specificity	4   1 0.95	4   0 1	4   0 1	4   0 1	6   2 0.9	6   0 1	6   1 0.95	6   1 0.95
FN   TN Precision	4   19 0.8	4   20 1	4   20 1	4   20 1	2   18 0.75	2   20 1	2   19 0.86	2   19 0.86
Recall	4   19 0.5	4   20 0.5	4   20 0.5	4   20 0.5	2   18 0.75	2   20 0.75	2   19 0.75	2   19 0.75



KIRC  
 id: 1377 name: Afatinib (rescreen)  
 target: ERBB2, EGFR class: EGFR signaling

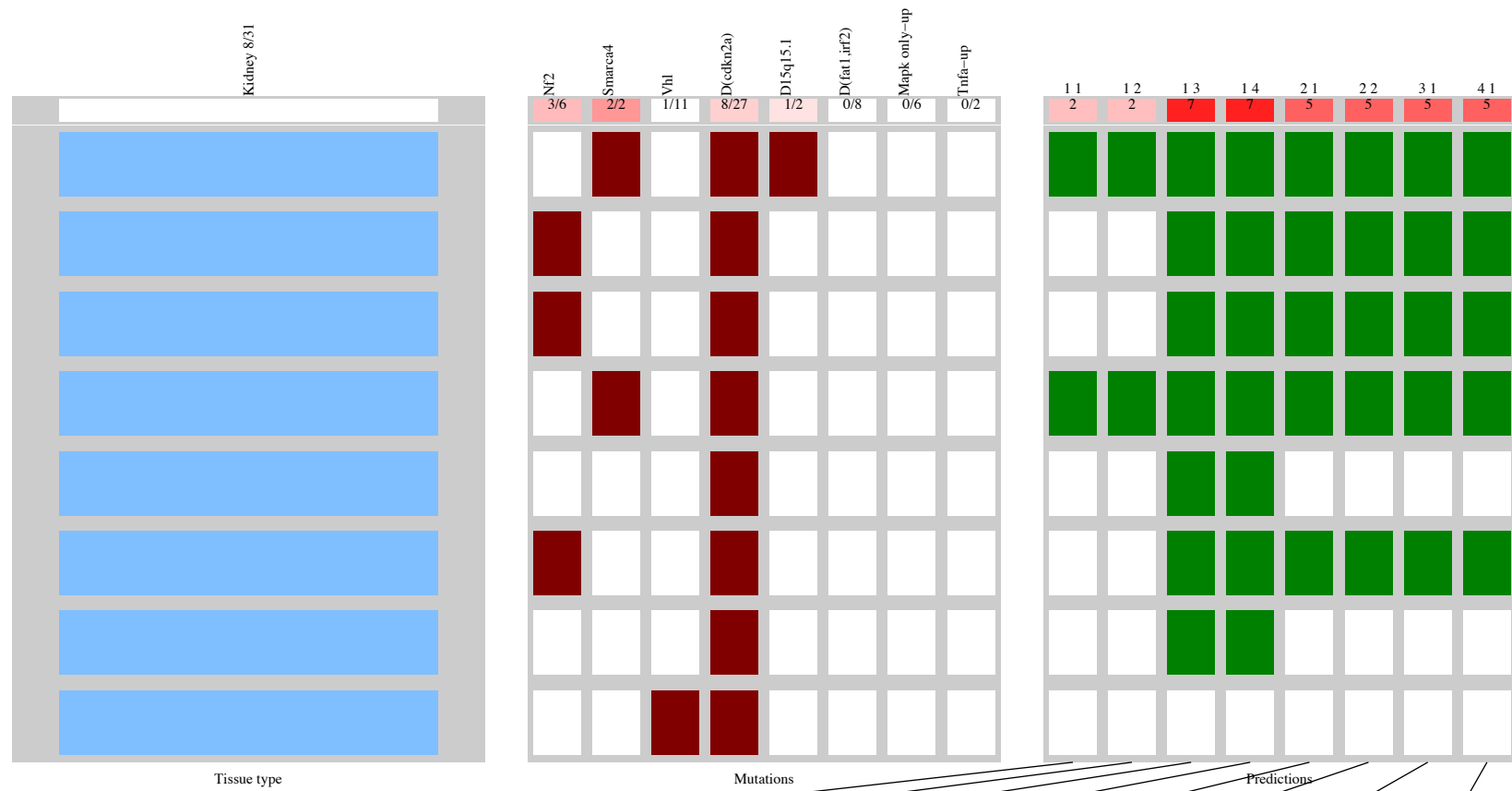
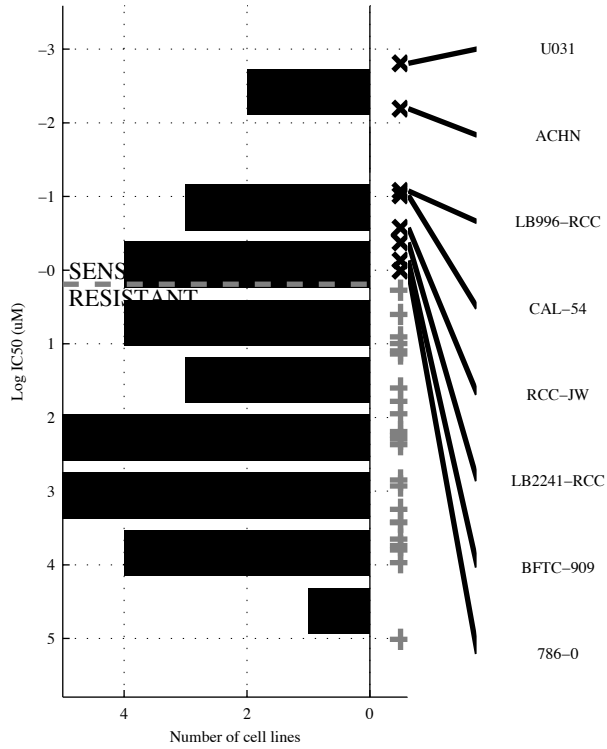
30 cell lines  
 11 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	1		1		1		1		2		2		3		4	
M	1		2		3		4		1		2		1		1	
Logic formula	<b>NF2</b>		<b>NF2 &amp; -TP53</b>		<b>-BAP1 &amp; -TP53 &amp; -VHL</b>		<b>-BAP1 &amp; SMARCC4 &amp; -TP53 &amp; -VHL</b>		<b>NF2   TGFB-D</b>		[ <b>NF2 &amp; d(CDKN)</b>   <b>-VHL &amp; MAPK o</b> ]		<b>NF2   PI3K o   TGFB-D</b>		<b>KDM5C   NF2   PI3K o   TGFB-D</b>	
TP   FP	5   1	0.95	5   0	1	9   3	0.84	9   1	0.95	6   3	0.84	8   1	0.95	7   3	0.84	8   3	0.84
FN   TN	6   18	0.83	6   19	1	2   16	0.75	2   18	0.9	5   16	0.67	3   18	0.89	4   16	0.7	3   16	0.73
Specificity	0.95		1		0.84		0.95		0.84		0.95		0.84		0.84	
Precision	0.83		1		0.75		0.9		0.67		0.89		0.7		0.73	
Recall	0.45		0.45		0.82		0.82		0.55		0.73		0.64		0.73	

KIRC  
 id: 1378 name: Bleomycin (50 uM)  
 target: DNA damage class: DNA replication

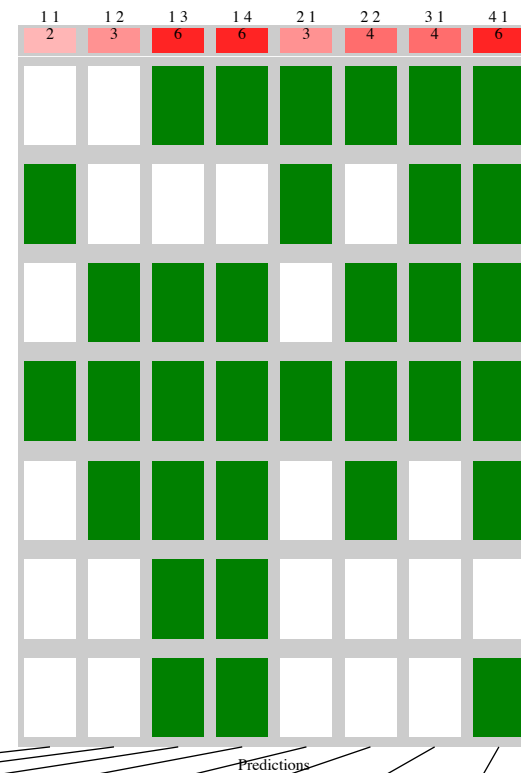
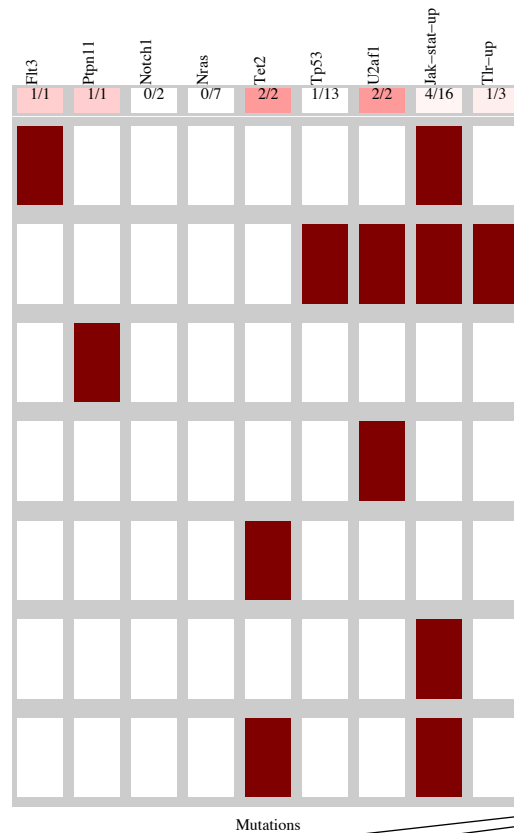
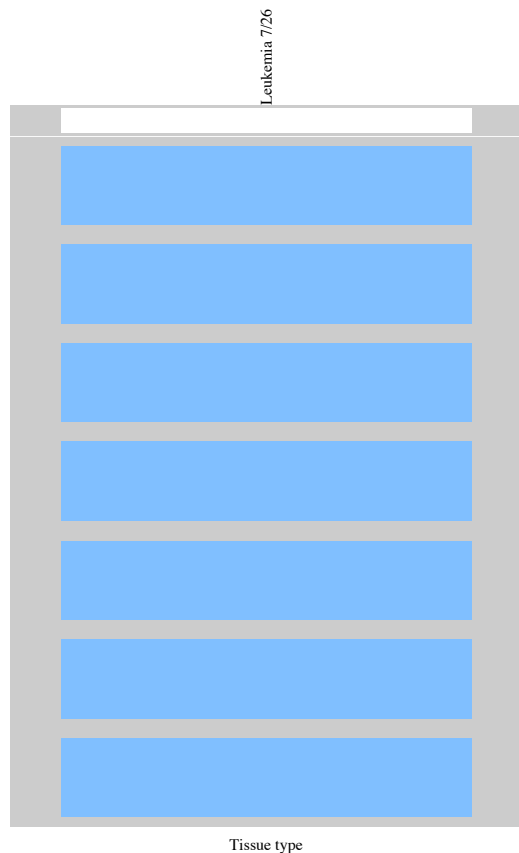
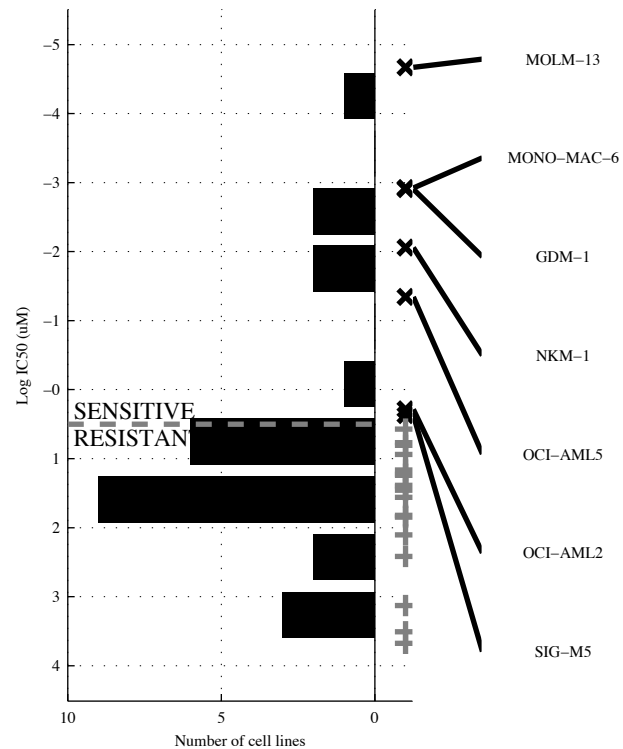
31 cell lines  
 8 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>SMARCA</b>		<b>SMARCA &amp;</b>		<b>¬VHL &amp; ¬(FAT &amp;</b>		<b>¬VHL &amp; (CDKN &amp;</b>		<b>NF2 SMARCA</b>		<b>[ SMARCA &amp; ]</b>		<b>NF2 SMARCA</b>		<b>NF2 SMARCA</b>	
					<b>¬MAPK o</b>		<b>¬(FAT &amp; TNFa-U</b>				<b>[ NF2 &amp; ¬d15q15 ]</b>					
Specificity	2   0		2   0		7   4		7   3		5   3		5   2		5   3		5   3	
Precision	6   23		6   23		1   19		1   20		3   20		3   21		3   20		3   20	
Recall	0.25		0.25		0.83		0.87		0.63		0.91		0.63		0.63	
	1		1		0.88		0.7		0.63		0.63		0.63		0.63	

LAML  
 id: 5 name: Sunitinib  
 target: PDGFRA, PDGFRB, KDR, KIT, FLT3 class: RTK signaling

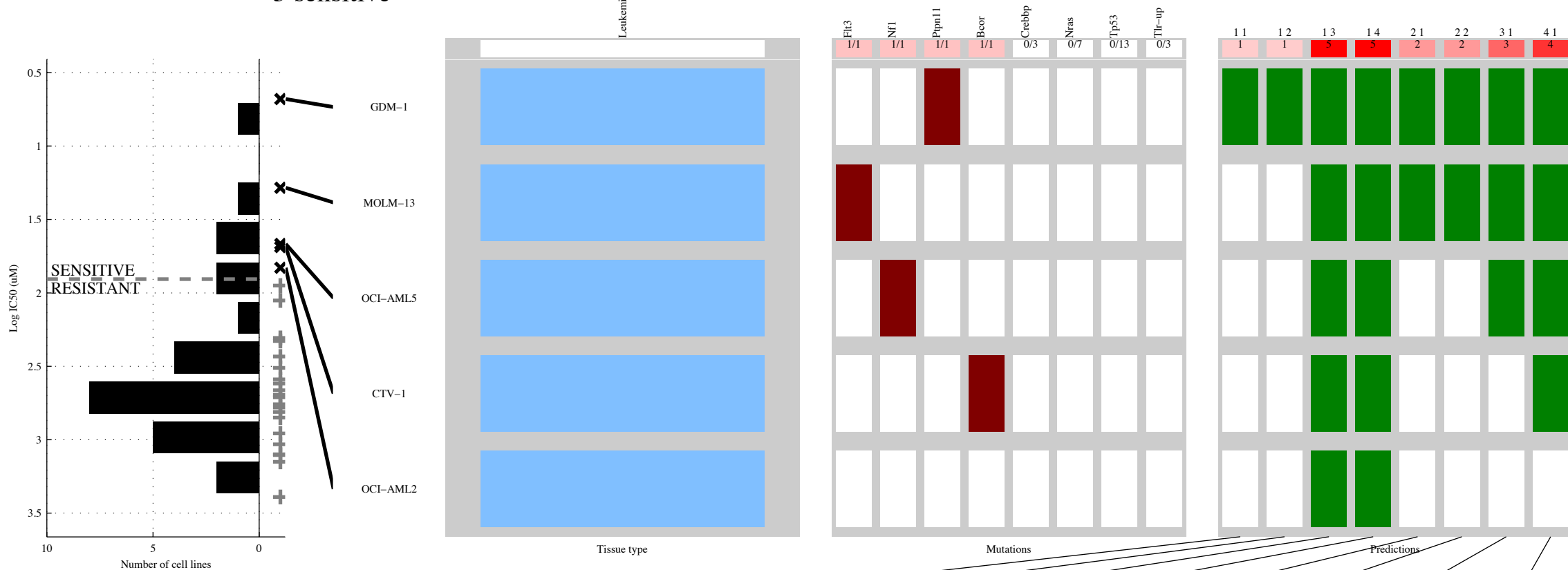
26 cell lines  
 7 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>U2AF1</b>	<b>-TP53 &amp; JAK-ST</b>	<b>-NRAS &amp; -TP53 &amp; -TLR-UP</b>	<b>-NOTCH1 &amp; -NRAS &amp; -TP53 &amp; TLR-UP</b>	<b>FLT3   U2AF1</b>	<b>[ -TP53 &amp; JAK-ST ]   [ FLT3 &amp; -NRAS ]</b>	<b>FLT3   PTPN11   U2AF1</b>	<b>FLT3   PTPN11   TET2   U2AF1</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{2}{5} \mid \frac{0}{19}$ 1 0.29	$\frac{3}{4} \mid \frac{2}{17}$ 0.89 0.6 0.43	$\frac{6}{1} \mid \frac{3}{16}$ 0.84 0.67 0.86	$\frac{6}{1} \mid \frac{1}{18}$ 0.95 0.86 0.86	$\frac{3}{4} \mid \frac{0}{19}$ 1 0.43	$\frac{4}{3} \mid \frac{2}{17}$ 0.89 0.67 0.57	$\frac{4}{3} \mid \frac{0}{19}$ 1 0.57	$\frac{6}{1} \mid \frac{0}{19}$ 1 0.86

LAML  
 id: 6 name: PHA-665752  
 target: MET class: RTK signaling

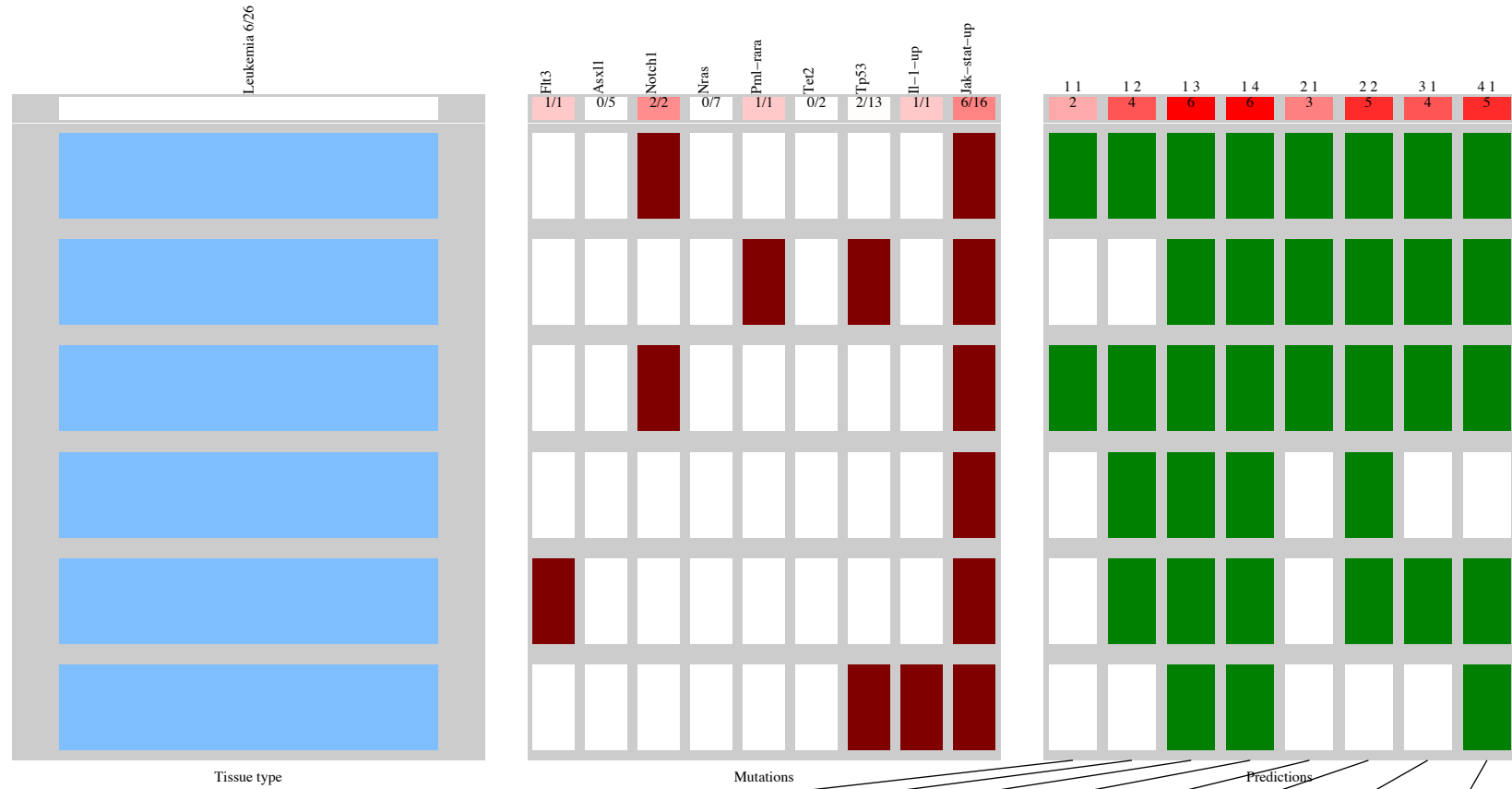
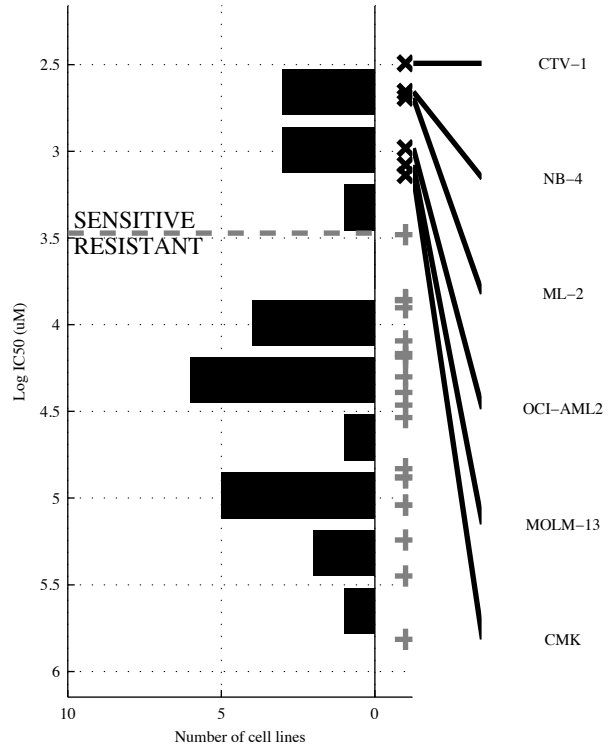
26 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>PTPN11</b>	<b>PTPN11 &amp; -NRAS</b>	<b>-NRAS &amp; -TP53 &amp; -TLR-UP</b>	<b>-CREBBP &amp; -NRAS &amp; -TP53 &amp; TLR-UP</b>	<b>FLT3   PTPN11</b>	<b>[ FLT3 &amp; -TP53 ]   [ PTPN11 &amp; ]</b>	<b>FLT3   NF1   PTPN11</b>	<b>FLT3   NF1   PTPN11   BCOR</b>
TP   FP	1   0	1   0	5   4	5   3	2   0	2   0	3   0	4   0
FN   TN	4   21	4   21	0   17	0   18	3   21	3   21	2   21	1   21
Specificity	1	1	0.81	0.86	1	1	1	1
Precision	1	1	0.56	0.63	1	1	1	1
Recall	0.2	0.2	1	1	0.4	0.4	0.6	0.8

LAML  
 id: 17 name: Cyclophamine  
 target: SMO class: other

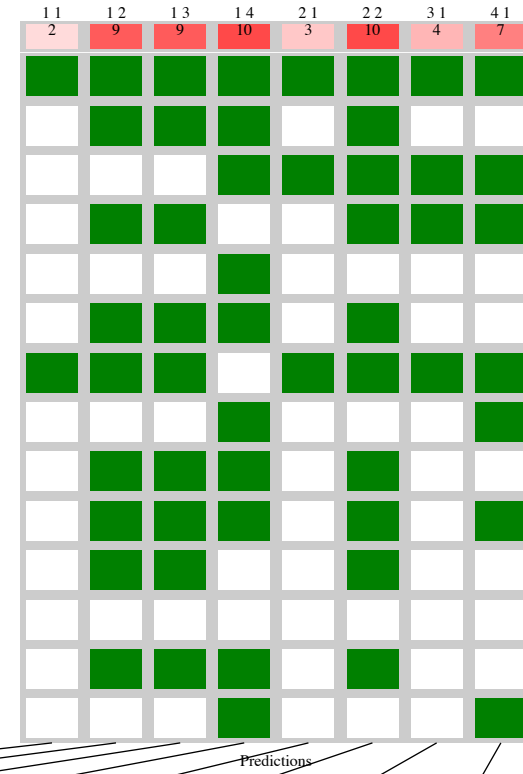
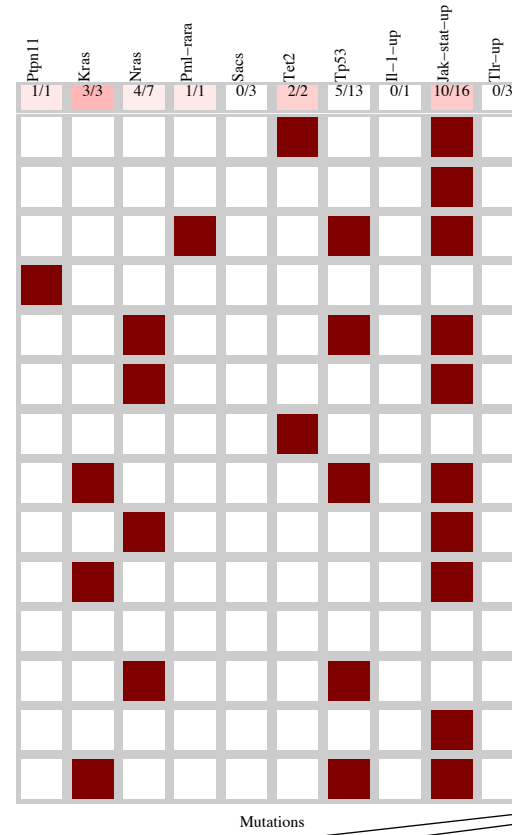
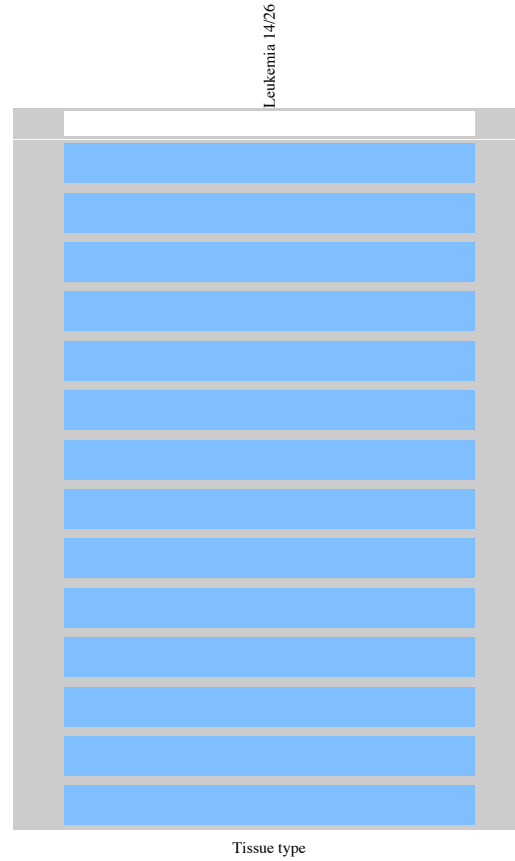
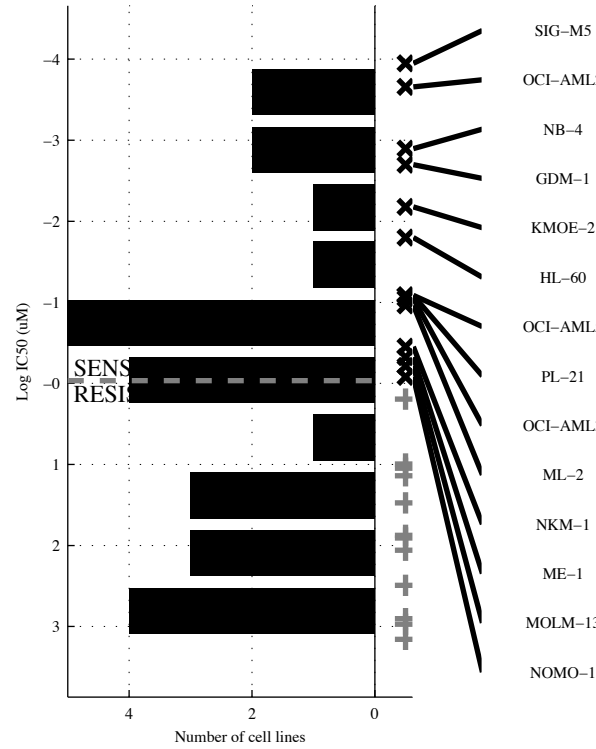
26 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>NOTCH1</b>	<b>-TP53 &amp; JAK-ST</b>	<b>-ASXL1 &amp; -NRAS &amp; JAK-ST</b>	<b>-ASXL1 &amp; -NRAS &amp; -TET2 &amp; JAK-ST</b>	<b>NOTCH1 PML-RA</b>	<b>[ -TP53 &amp; JAK-ST ]   [ -NRAS &amp; PML-RA ]</b>	<b>FLT3 NOTCH1 PML-RA</b>	<b>FLT3 NOTCH1 PML-RA IL-1-U</b>
TP   FP Specificity FN   TN Precision Recall	2   0 1 4   20 1 0.33	4   4 0.8 2   16 0.5 0.67	6   2 0.9 0   18 0.75 1	6   1 0.95 0   19 0.86 1	3   0 1 3   20 1 0.5	5   4 0.8 1   16 0.56 0.83	4   0 1 2   20 1 0.67	5   0 1 1   20 1 0.83

LAML  
 id: 29 name: AZ628  
 target: BRAF class: ERK MAPK signaling

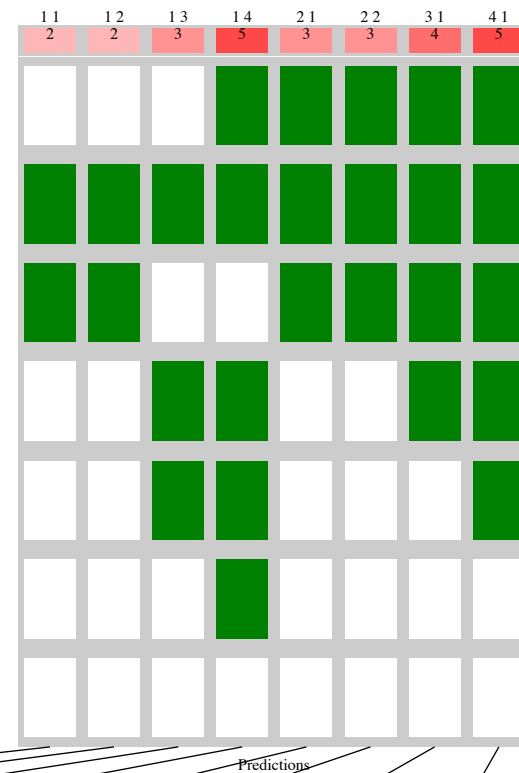
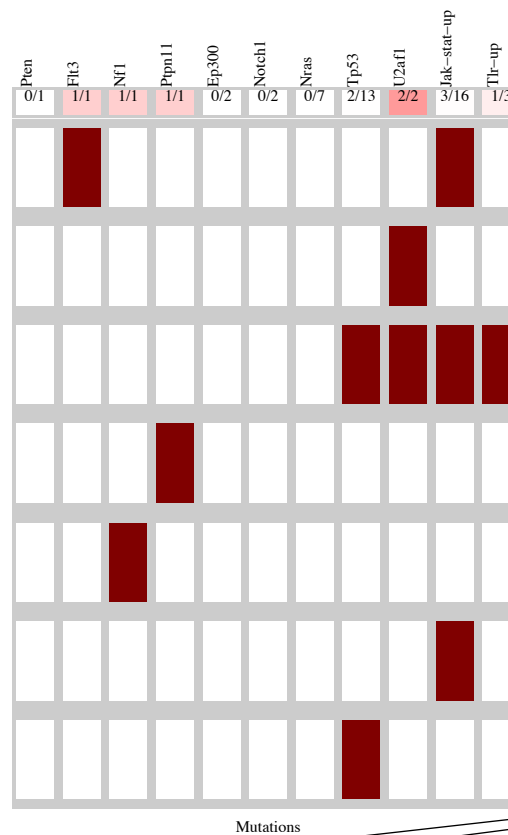
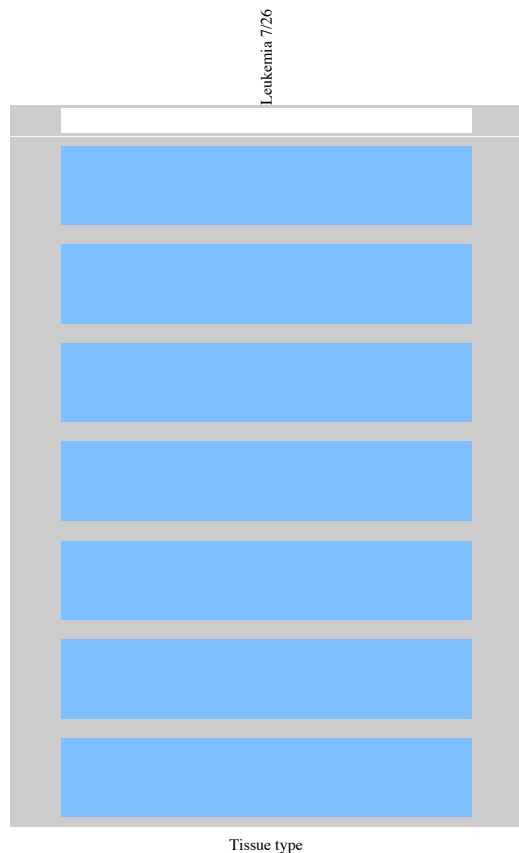
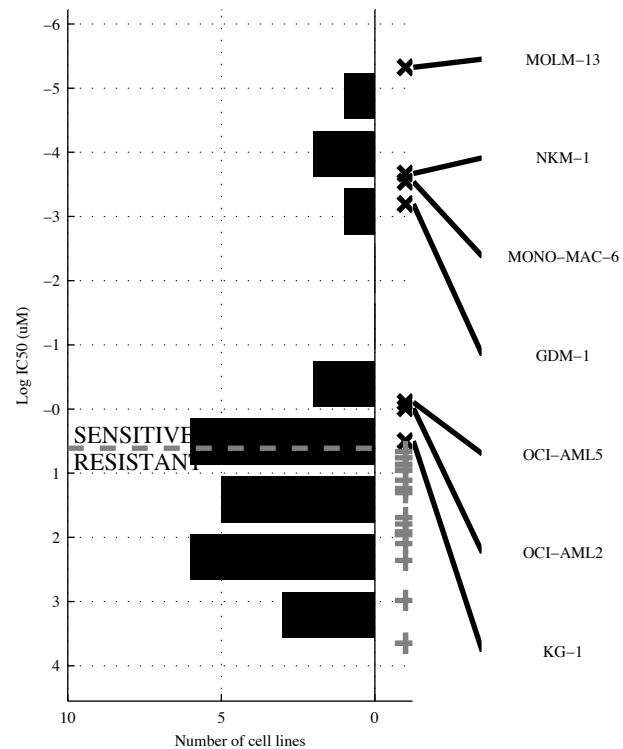
26 cell lines  
 14 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>TET2</b>	<b>-TP53 &amp; TLR-UP</b>	<b>-SACS &amp; -TP53 &amp; -TLR-UP</b>	<b>-SACS &amp; IL-1-U &amp; JAK-ST &amp; TLR-UP</b>	<b>PML-RA   TET2</b>	<b>[ -NRAS &amp; PML-RA ]   [ -TP53 &amp; TLR-UP ]</b>	<b>PTPN11   PML-RA   TET2</b>	<b>PTPN11   KRAS   PML-RA   TET2</b>
TP   FP	2   0	9   2	9   1	10   2	3   0	10   2	4   0	7   0
Specificity	1	0.83	0.92	0.83	1	0.83	1	1
FN   TN	12   12	5   10	5   11	4   10	11   12	4   10	10   12	7   12
Precision	1	0.82	0.9	0.83	1	0.83	1	1
Recall	0.14	0.64	0.64	0.71	0.21	0.71	0.29	0.5

LAML  
 id: 30 name: Sorafenib  
 target: PDGFRA, PDGFRB, KDR, KIT, FLT3 class: RTK signaling

26 cell lines  
 7 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>U2AF1</b>	<b>U2AF1 &amp;</b>	<b>-TP53 &amp; JAK-S&amp;</b> <b>-TLR-UP</b>	<b>-NOTCH&amp;-NRAS&amp;</b> <b>-TP53 &amp; TLR-UP</b>	<b>FLT3   U2AF1</b>	<b>[ -PTEN &amp; FLT3 ]</b> <b> </b> <b>[ -EP300 &amp; U2AF1 ]</b>	<b>FLT3   PTPN11  </b> <b>U2AF1</b>	<b>FLT3   NF1  </b> <b>PTPN11   U2AF1</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{2}{5} \mid \frac{0}{19}$ 1 0.29	$\frac{2}{5} \mid \frac{0}{19}$ 1 0.29	$\frac{3}{4} \mid \frac{0}{19}$ 1 0.43	$\frac{5}{2} \mid \frac{2}{17}$ 0.89 0.71 0.71	$\frac{3}{4} \mid \frac{0}{19}$ 1 0.43	$\frac{3}{4} \mid \frac{0}{19}$ 1 0.43	$\frac{4}{3} \mid \frac{0}{19}$ 1 0.57	$\frac{5}{2} \mid \frac{0}{19}$ 1 0.71

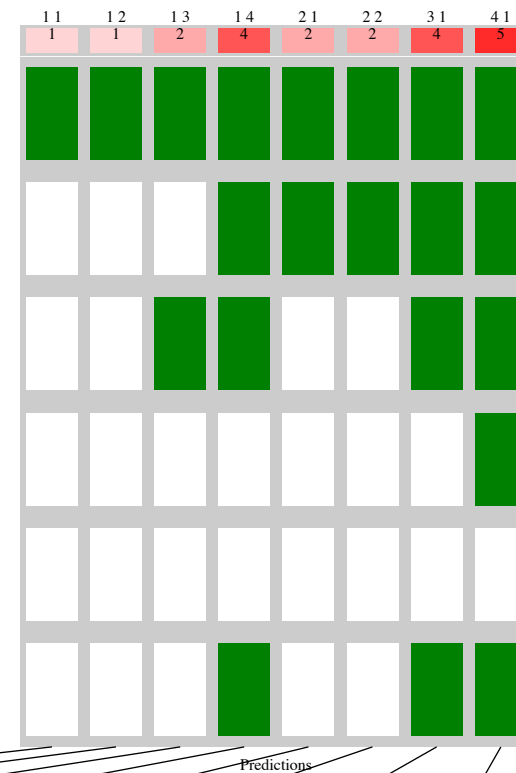
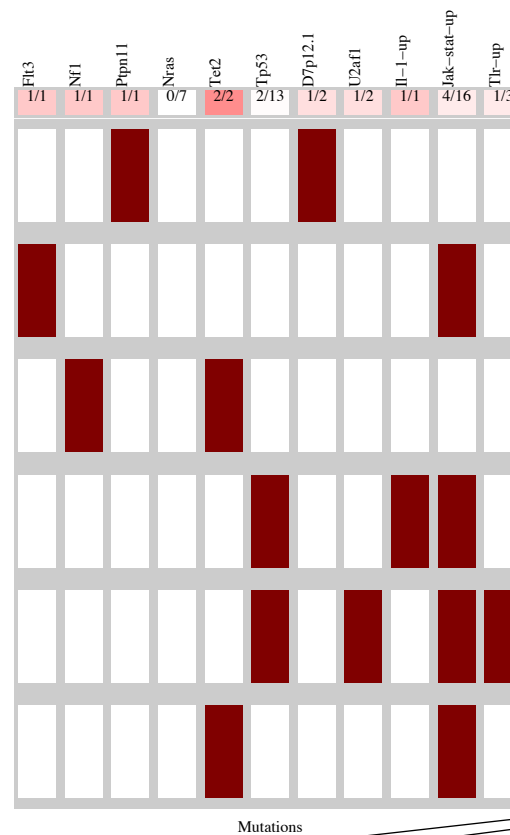
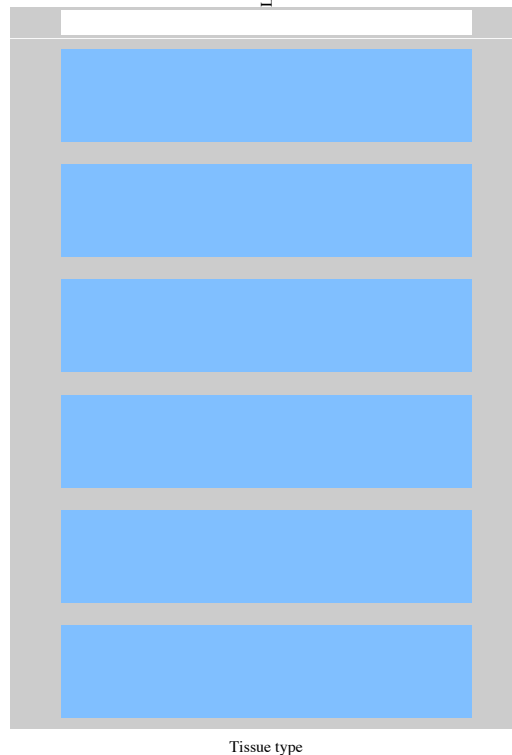
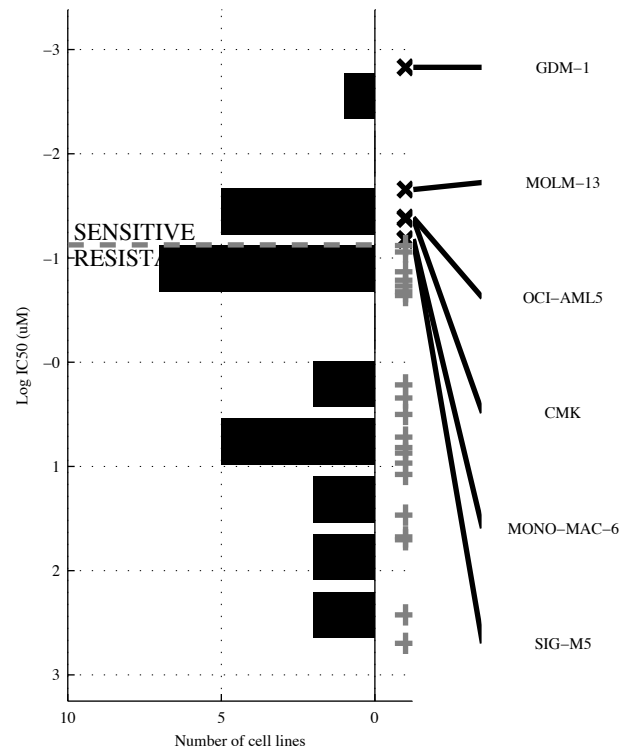




LAML  
 id: 35 name: NVP-TAE684  
 target: ALK class: RTK signaling

26 cell lines  
 6 sensitive

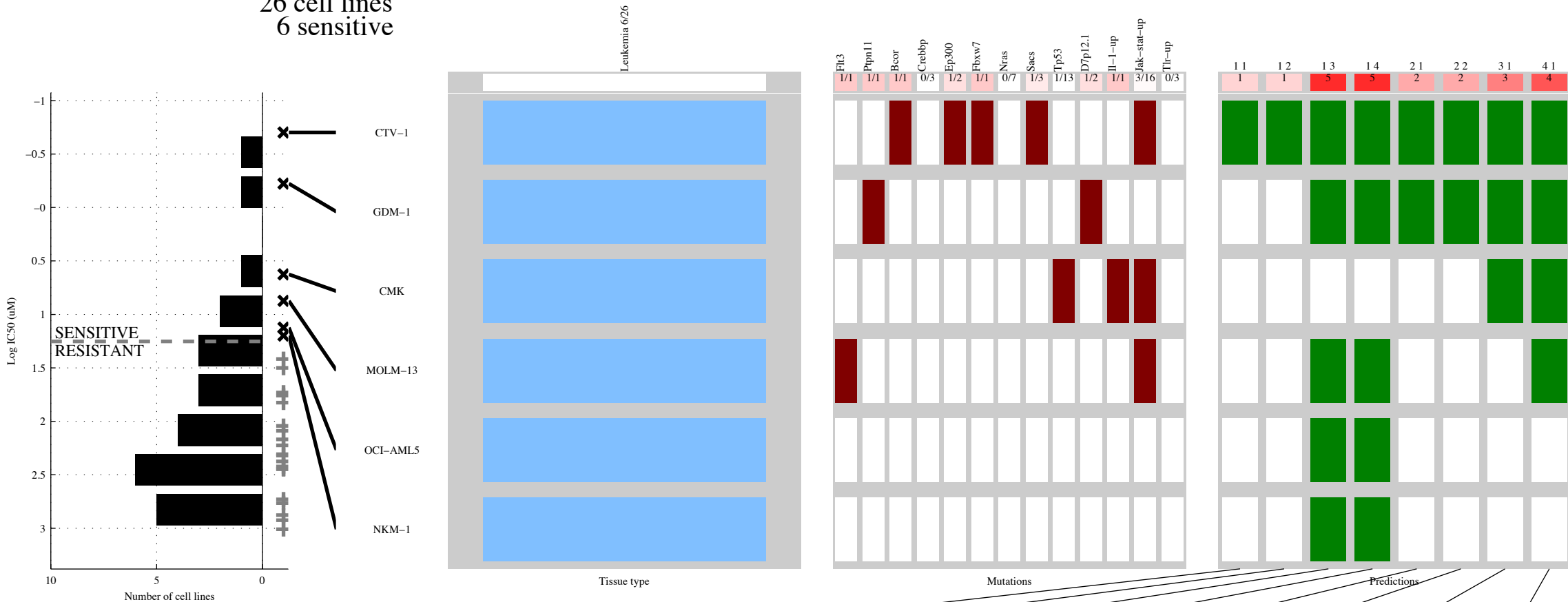
Leukemia 6/26



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>PTPN11</b>	<b>-NRAS &amp; d7p12.</b>	<b>-TP53 &amp; JAK-S&amp;</b> <b>-TLR-UP</b>	<b>-NRAS &amp; -TP53 &amp;</b> <b>-U2AF1 &amp; TLR-UP</b>	<b>FLT3   PTPN11</b>	[ <b>FLT3 &amp;</b> ]   [ <b>-NF1 &amp; PTPN11</b> ]	<b>FLT3   PTPN11  </b> <b>TET2</b>	<b>FLT3   PTPN11  </b> <b>TET2   IL-1-U</b>
TP   FP Specificity	1   0	1   0	2   1	4   4	2   0	2   0	4   0	5   0
FN   TN Precision	5   20	5   20	4   19	2   16	4   20	4   20	2   20	1   20
Recall	0.17	0.17	0.95	0.8	0.33	0.33	0.67	0.83

LAML  
 id: 37 name: Crizotinib  
 target: MET, ALK class: RTK signaling

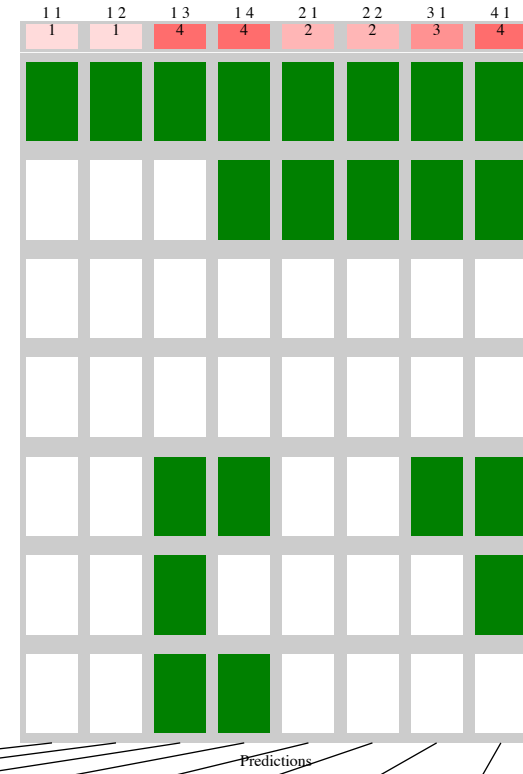
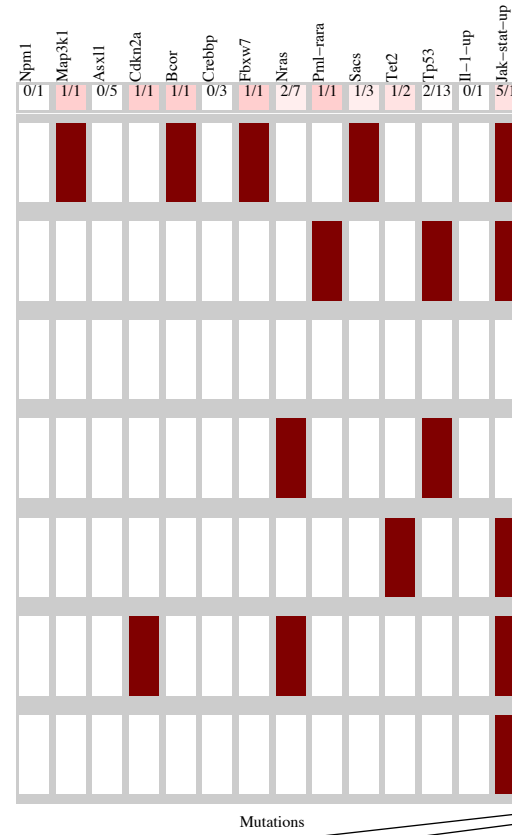
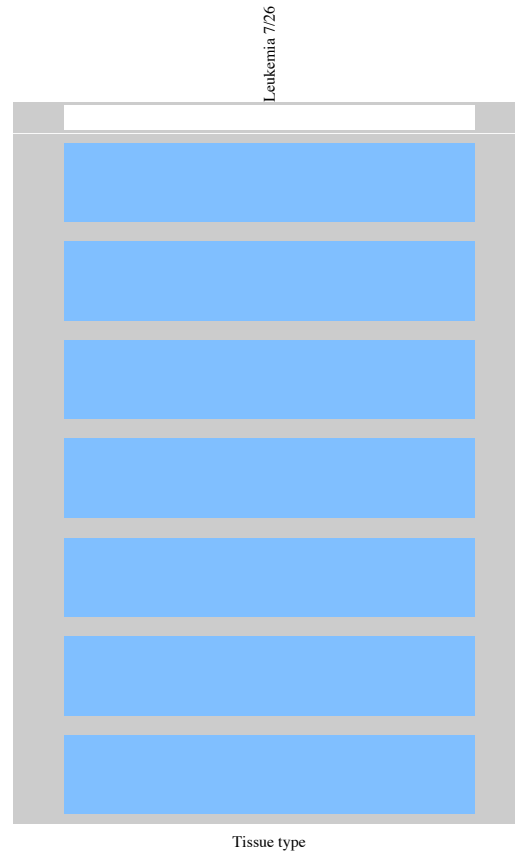
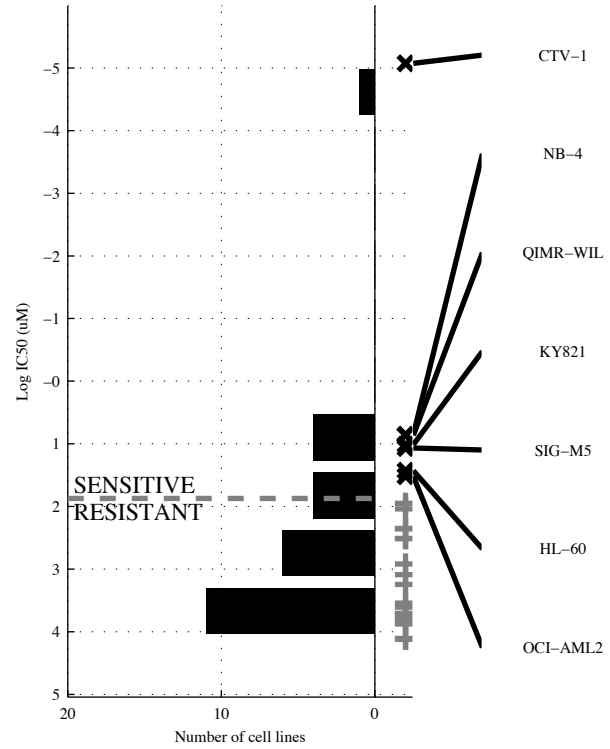
26 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>FBXW7</b>	<b>-CREBB&amp; SACS</b>	<b>-NRAS&amp; -TP53 &amp; -TLR-UP</b>	<b>-CREBB&amp; -NRAS&amp; -TP53 &amp; TLR-UP</b>	<b>PTPN11   BCOR</b>	<b>[ -CREBB&amp; EP300 ]   [ d7p12. &amp; JAK-ST ]</b>	<b>PTPN11   BCOR   IL-1-U</b>	<b>FLT3   PTPN11   BCOR   IL-1-U</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{5} \mid \frac{0}{20}$ 1 0.17	$\frac{1}{5} \mid \frac{0}{20}$ 1 0.17	$\frac{5}{1} \mid \frac{4}{16}$ 0.8 0.56 0.83	$\frac{5}{1} \mid \frac{3}{17}$ 0.85 0.63 0.83	$\frac{2}{4} \mid \frac{0}{20}$ 1 0.33	$\frac{2}{4} \mid \frac{0}{20}$ 1 0.33	$\frac{3}{3} \mid \frac{0}{20}$ 1 0.5	$\frac{4}{2} \mid \frac{0}{20}$ 1 0.67

LAML  
 id: 55 name: A-770041  
 target: SRC family class: other

26 cell lines  
 7 sensitive

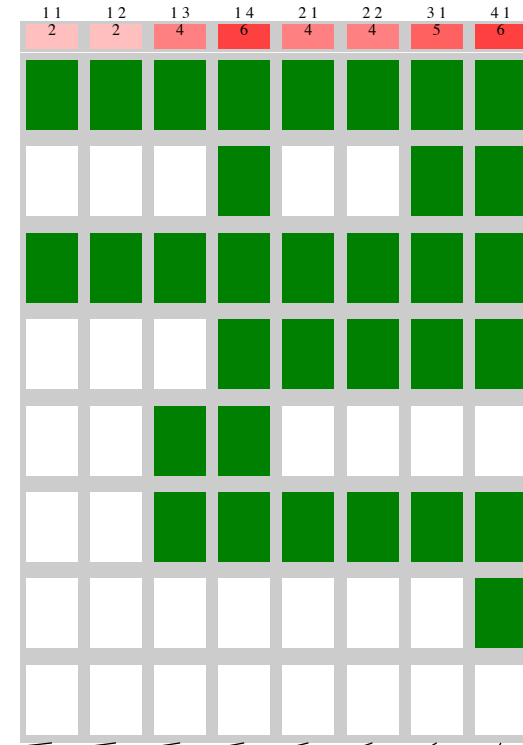
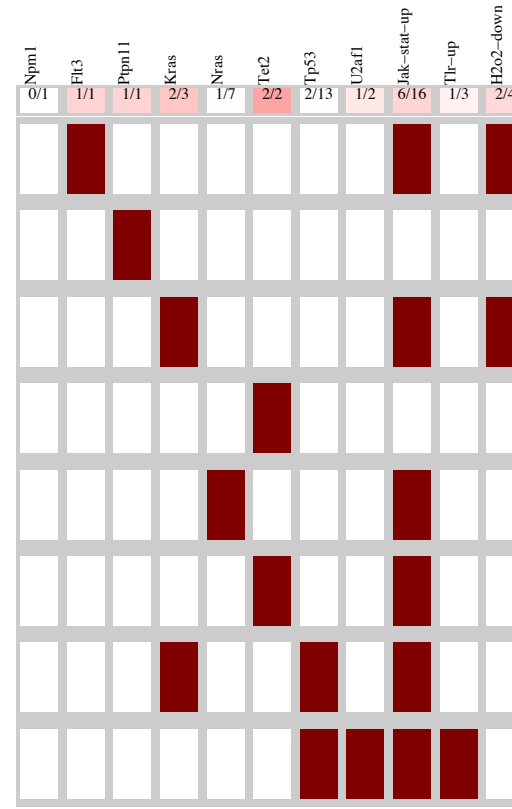
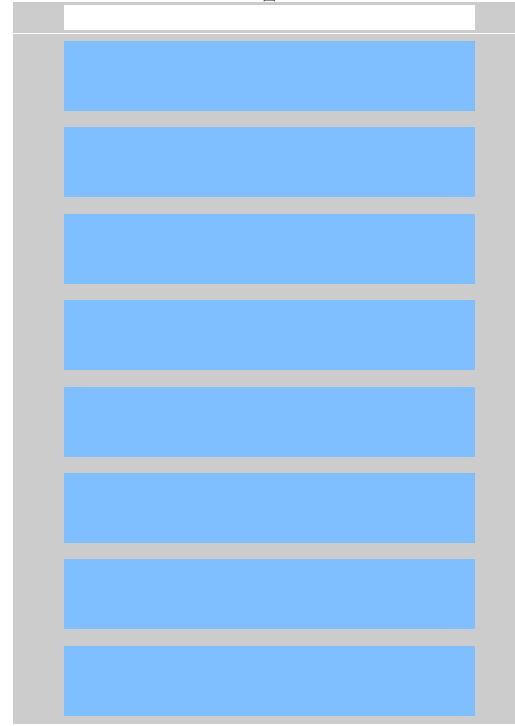
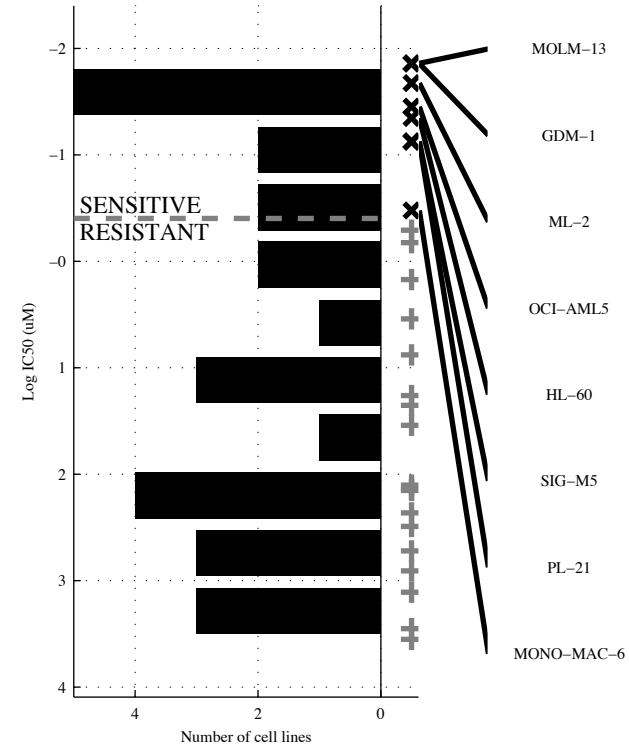


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>FBXW7</b>	<b>MAP3K&amp;</b>	<b>-NPM1&amp; -TP53 &amp;</b> <b>JAK-ST</b>	<b>-ASXL1&amp;-NRAS&amp;</b> <b>-IL-1-&amp;JAK-ST</b>	<b>BCOR PML-RA</b>	<b>[PML-RA&amp; TP53 ]</b> <b>[CREBB&amp; SACS ]</b>	<b>BCOR PML-RA</b> <b>TET2</b>	<b>CDKN2A  BCOR  </b> <b>PML-RA  TET2</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{6} \mid \frac{0}{19}$ 1 0.14	$\frac{1}{6} \mid \frac{0}{19}$ 1 0.14	$\frac{4}{3} \mid \frac{3}{16}$ 0.84 0.57 0.57	$\frac{4}{3} \mid \frac{3}{16}$ 0.84 0.57 0.57	$\frac{2}{5} \mid \frac{0}{19}$ 1 0.29	$\frac{2}{5} \mid \frac{0}{19}$ 1 0.29	$\frac{3}{4} \mid \frac{1}{18}$ 0.95 0.75 0.43	$\frac{4}{3} \mid \frac{1}{18}$ 0.95 0.8 0.57

LAML  
 id: 62 name: BMS-536924  
 target: IGF1R class: IGFR signaling

26 cell lines  
 8 sensitive

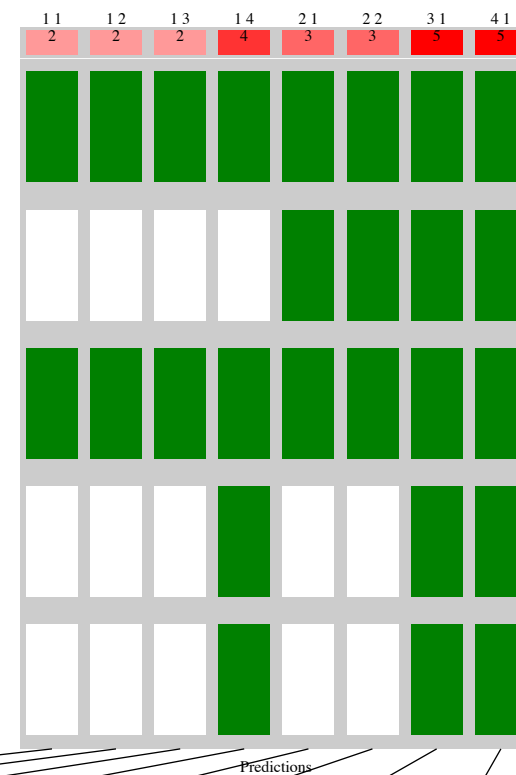
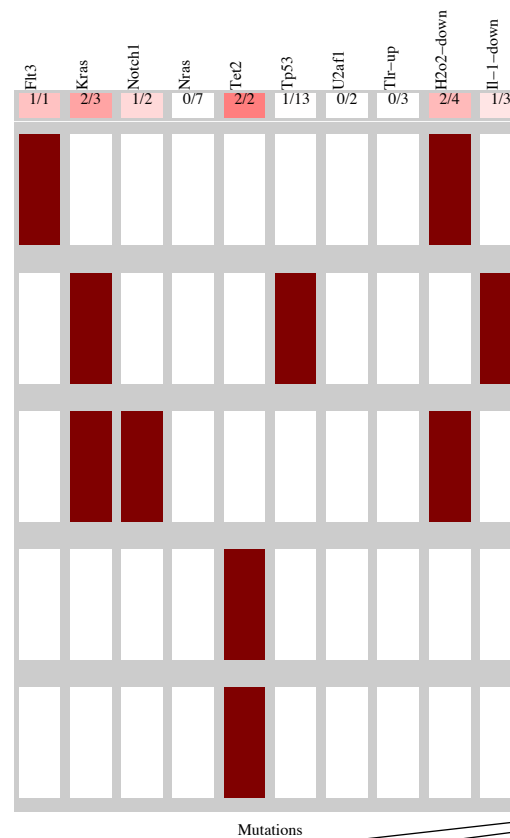
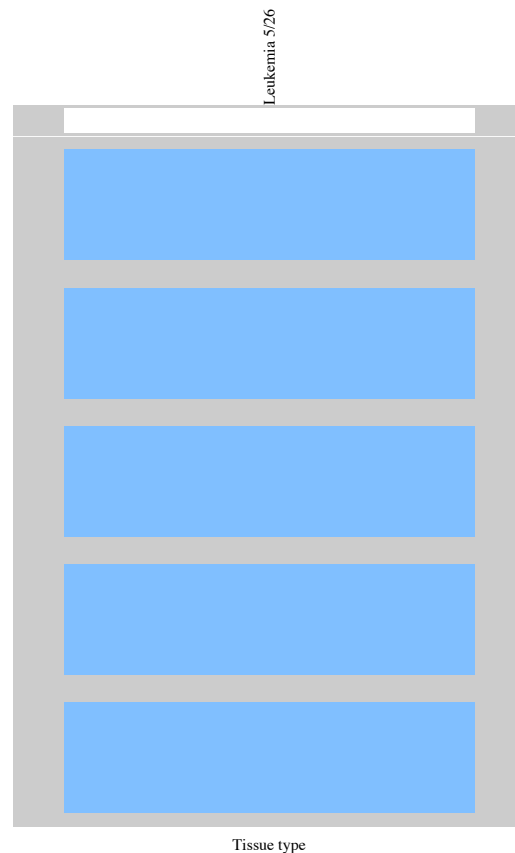
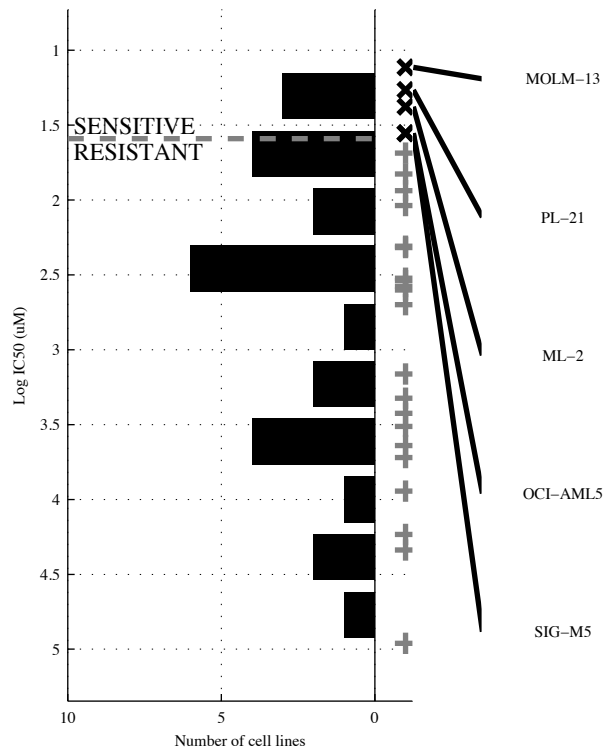
Leukemia 8/26



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>H2O2-D</b>	<b>-NRAS &amp; H2O2-D</b>	<b>-NPM1 &amp; -TP53 &amp; JAK-ST</b>	<b>-NPM1 &amp; -TP53 &amp; -U2AF1 &amp; TLR-UP</b>	<b>TET2   H2O2-D</b>	<b>[ -NRAS &amp; H2O2-D ]   [ TET2 &amp; -TP53 ]</b>	<b>PTPN11   TET2   H2O2-D</b>	<b>FLT3   PTPN11   KRAS   TET2</b>
TP   FP	2   2	2   0	4   3	6   3	4   2	4   0	5   2	6   1
Specificity	0.89	1	0.83	0.83	0.89	1	0.89	0.94
FN   TN	6   16	6   18	4   15	2   15	4   16	4   18	3   16	2   17
Precision	0.5	1	0.57	0.67	0.67	1	0.71	0.86
Recall	0.25	0.25	0.5	0.75	0.5	0.5	0.63	0.75

LAML  
 id: 63 name: BMS-509744  
 target: ITK class: other

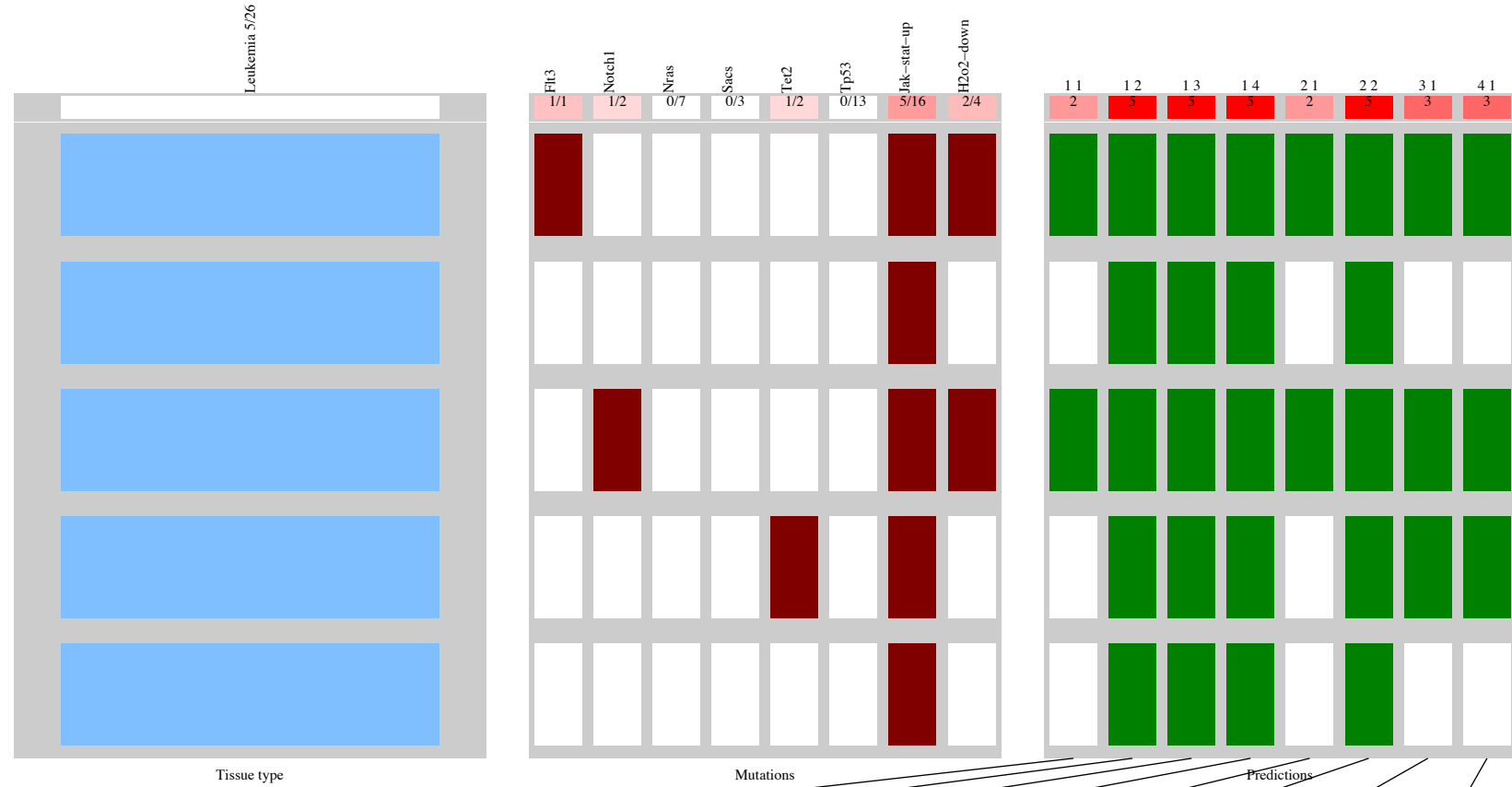
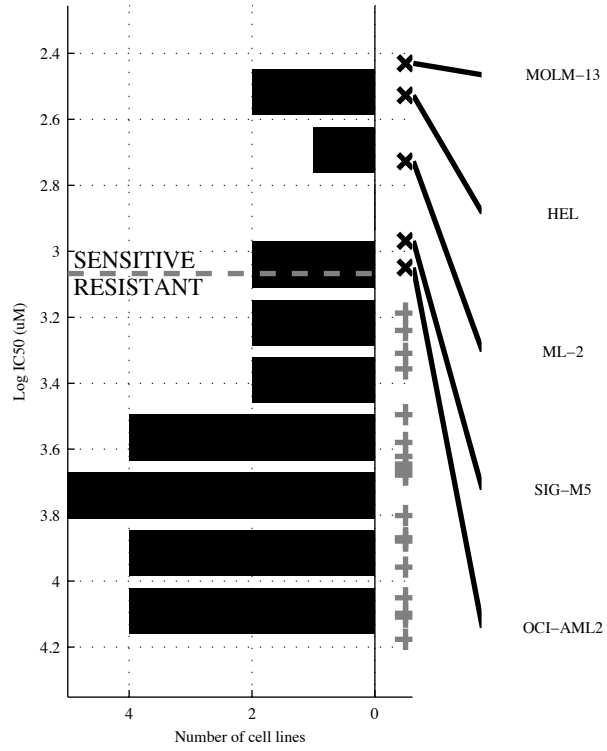
26 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>H2O2-D</b>	<b>¬NRAS &amp; H2O2-D</b>	<b>¬NRAS &amp; H2O2-D &amp; TET2</b>	<b>¬NRAS &amp; ¬TP53 &amp; ¬U2AF1 &amp; TLR-UP</b>	<b>FLT3   KRAS</b>	<b>[ ¬TP53 &amp; H2O2-D ]   [ ¬NRAS &amp; IL-1-D ]</b>	<b>FLT3   KRAS   TET2</b>	<b>FLT3 NOTCH1   TET2   IL-1-D</b>
TP   FP	2   2	2   0	2   0	4   4	3   1	3   0	5   1	5   3
FN   TN	3   19	3   21	3   21	1   17	2   20	2   21	0   20	0   18
Specificity	0.9	1	1	0.81	0.95	1	0.95	0.86
Precision	0.5	1	1	0.5	0.75	1	0.83	0.63
Recall	0.4	0.4	0.4	0.8	0.6	0.6	1	1

LAML  
 id: 91 name: KIN001-135  
 target: IKKE class: other

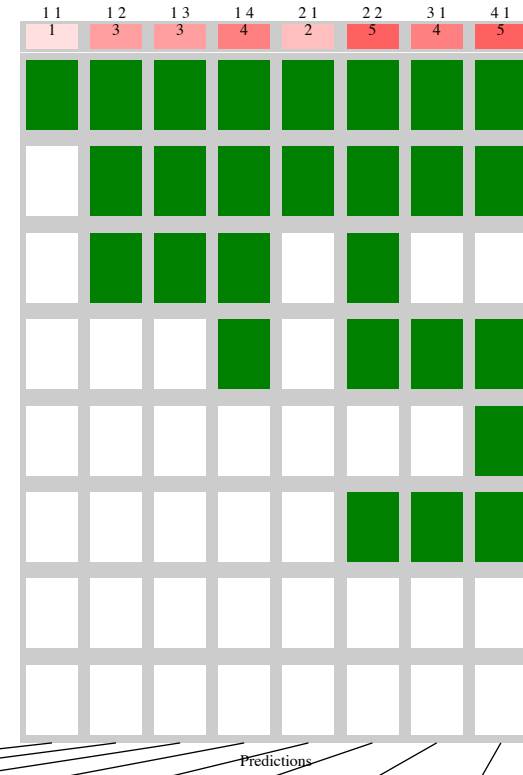
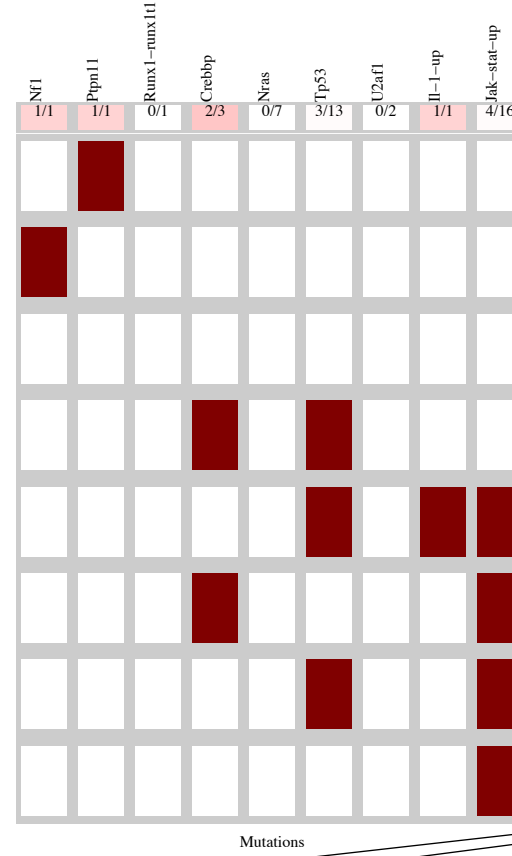
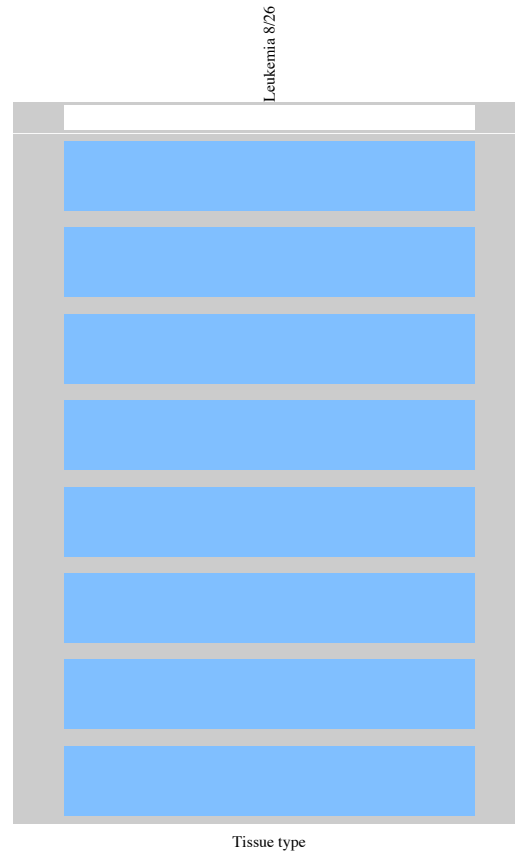
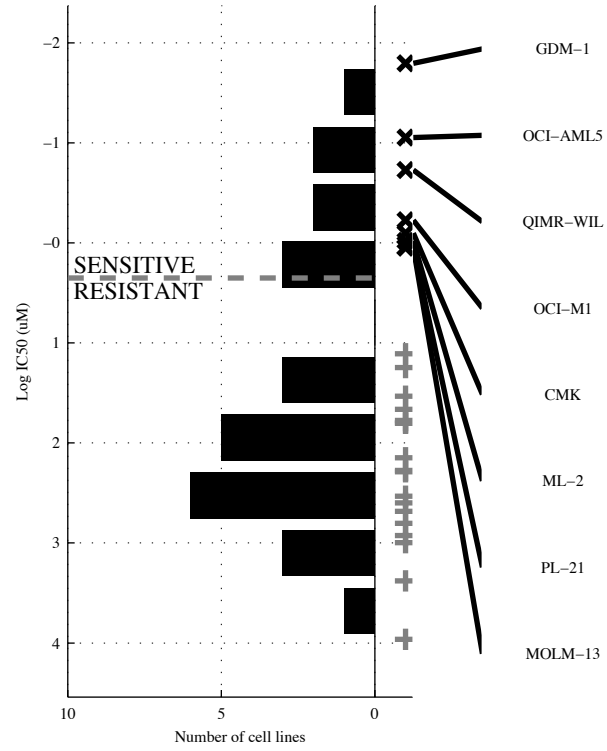
26 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>H2O2-D</b>	<b>-TP53 &amp; JAK-ST</b>	<b>-NRAS &amp; -TP53 &amp; JAK-ST</b>	<b>-NRAS &amp; -SACS &amp; -TP53 &amp; JAK-ST</b>	<b>FLT3 NOTCH1</b>	[ <b>-TP53 &amp; JAK-ST</b> ]   [ <b>-TP53 &amp; H2O2-D</b> ]	<b>FLT3 NOTCH1</b>  <b>TET2</b>	<b>FLT3 NOTCH1</b>  <b>TET2  </b>
TP   FP Specificity FN   TN Precision Recall	$\frac{2}{3} \mid \frac{2}{19}$ 0.9 0.5 0.4	$\frac{5}{0} \mid \frac{3}{18}$ 0.86 0.63 1	$\frac{5}{0} \mid \frac{1}{20}$ 0.95 0.83 1	$\frac{5}{0} \mid \frac{0}{21}$ 1 1 1	$\frac{2}{3} \mid \frac{1}{20}$ 0.95 0.67 0.4	$\frac{5}{0} \mid \frac{3}{18}$ 0.86 0.63 1	$\frac{3}{2} \mid \frac{2}{19}$ 0.9 0.6 0.6	$\frac{3}{2} \mid \frac{2}{19}$ 0.9 0.6 0.6

LAML  
 id: 127 name: GSK269962A  
 target: ROCK1, ROCK2 class: cytoskeleton

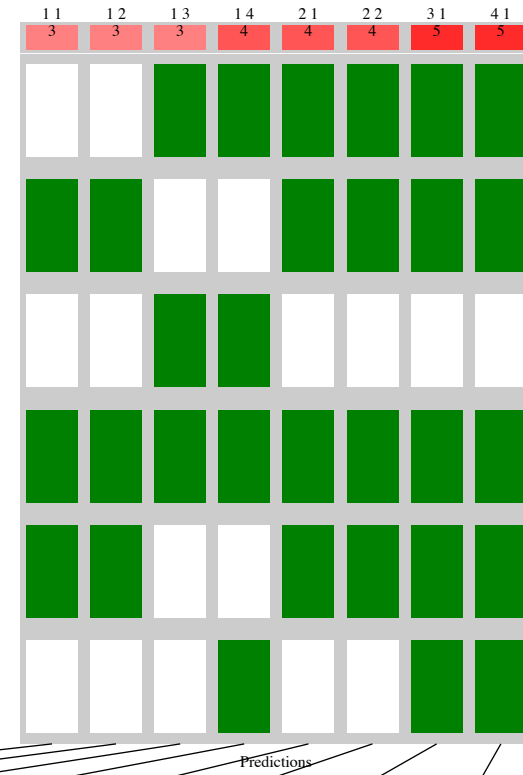
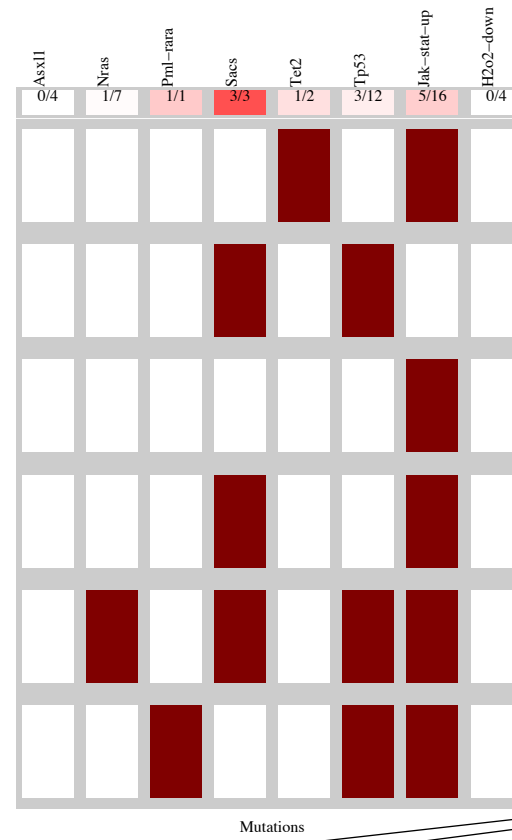
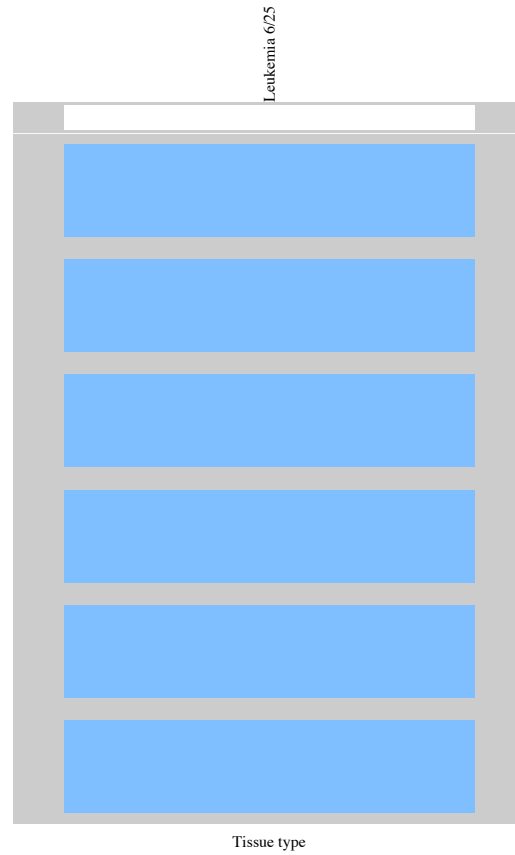
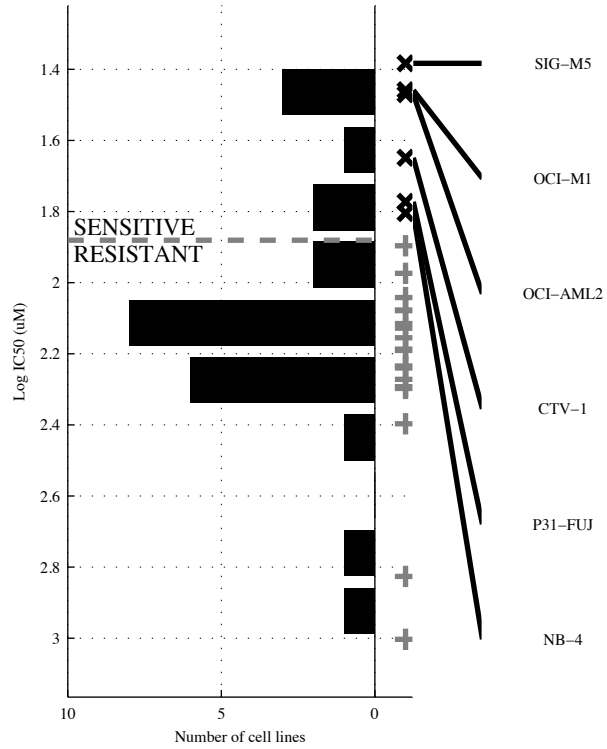
26 cell lines  
 8 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>PTPN11</b>	<b>-TP53 &amp; JAK-ST</b>	<b>-TP53 &amp; -U2AF1 &amp; -JAK-ST</b>	<b>-RUNX1 &amp; -NRAS &amp; -U2AF1 &amp; JAK-ST</b>	<b>NF1   PTPN11</b>	<b>[ CREBBP &amp; -NRAS ]   [ -TP53 &amp; JAK-ST ]</b>	<b>NF1   PTPN11   CREBBP</b>	<b>NF1   PTPN11   CREBBP   IL-1-U</b>
TP   FP	1   0	3   2	3   1	4   2	2   0	5   2	4   1	5   1
Specificity	1	0.89	0.94	0.89	1	0.89	0.94	0.94
FN   TN	7   18	5   16	5   17	4   16	6   18	3   16	4   17	3   17
Precision	1	0.6	0.75	0.67	1	0.71	0.8	0.83
Recall	0.13	0.38	0.38	0.5	0.25	0.63	0.5	0.63

LAML  
 id: 150 name: Bicalutamide  
 target: ANDR (androgen receptor) class: other

25 cell lines  
 6 sensitive

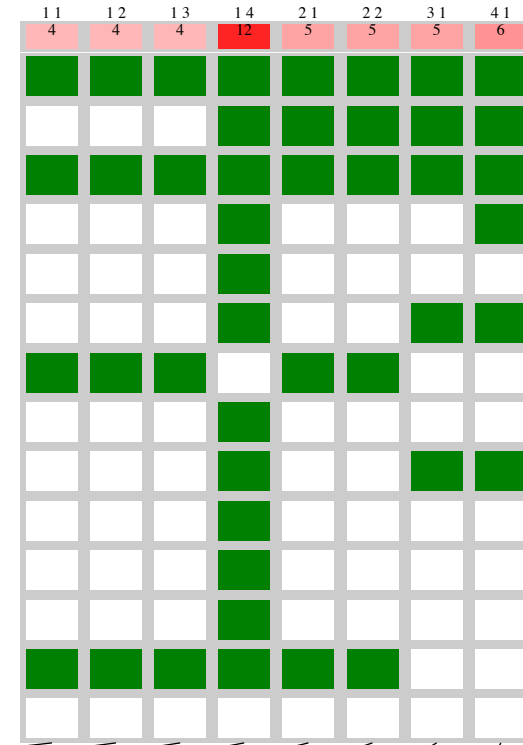
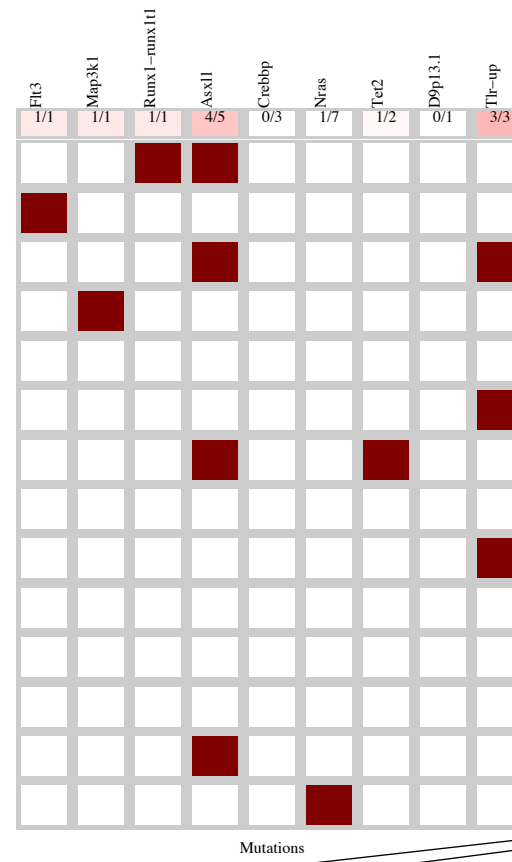
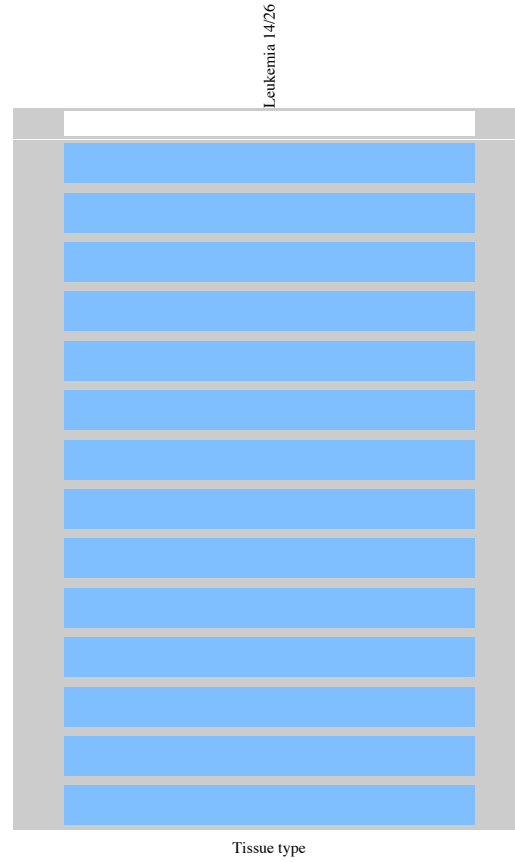
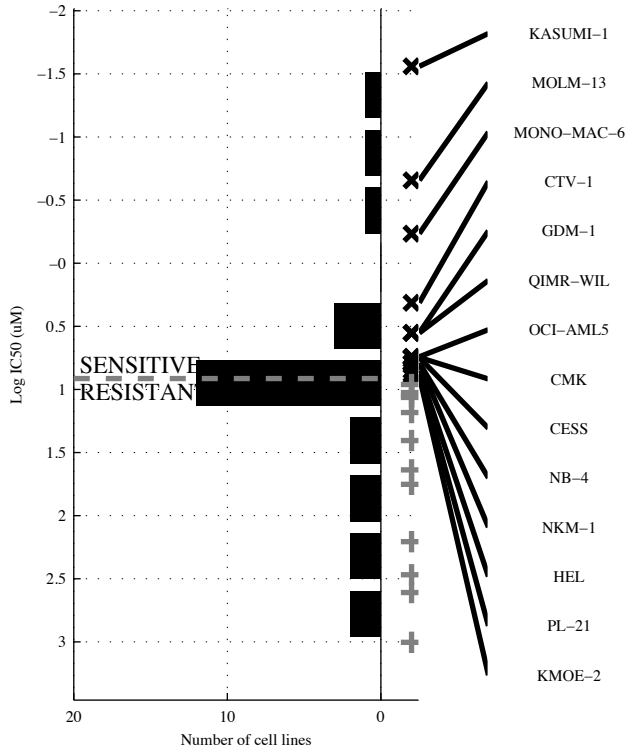


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>SACS</b>	<b>SACS &amp;</b>	<b>-TP53 &amp; JAK-ST&amp;</b> <b>-H2O2-D</b>	<b>-ASXL1&amp;-NRAS&amp;</b> <b>JAK-ST&amp;H2O2-D</b>	<b>SACS   TET2</b>	<b>[ -ASXL1&amp; TET2 ]</b> <b> </b> <b>[ SACS &amp; ]</b>	<b>PML-RA  SACS  </b> <b>TET2</b>	<b>PML-RA  SACS  </b> <b>TET2  </b>
TP   FP Specificity FN   TN Precision Recall	$\frac{3}{3} \mid \frac{0}{19}$ 1 0.5	$\frac{3}{3} \mid \frac{0}{19}$ 1 0.5	$\frac{3}{3} \mid \frac{3}{16}$ 0.84 0.5	$\frac{4}{2} \mid \frac{2}{17}$ 0.89 0.67	$\frac{4}{2} \mid \frac{1}{18}$ 0.95 0.67	$\frac{4}{2} \mid \frac{0}{19}$ 1 0.67	$\frac{5}{1} \mid \frac{1}{18}$ 0.95 0.83	$\frac{5}{1} \mid \frac{1}{18}$ 0.95 0.83



LAML  
 id: 152 name: CP466722  
 target: ATM class: Genome integrity

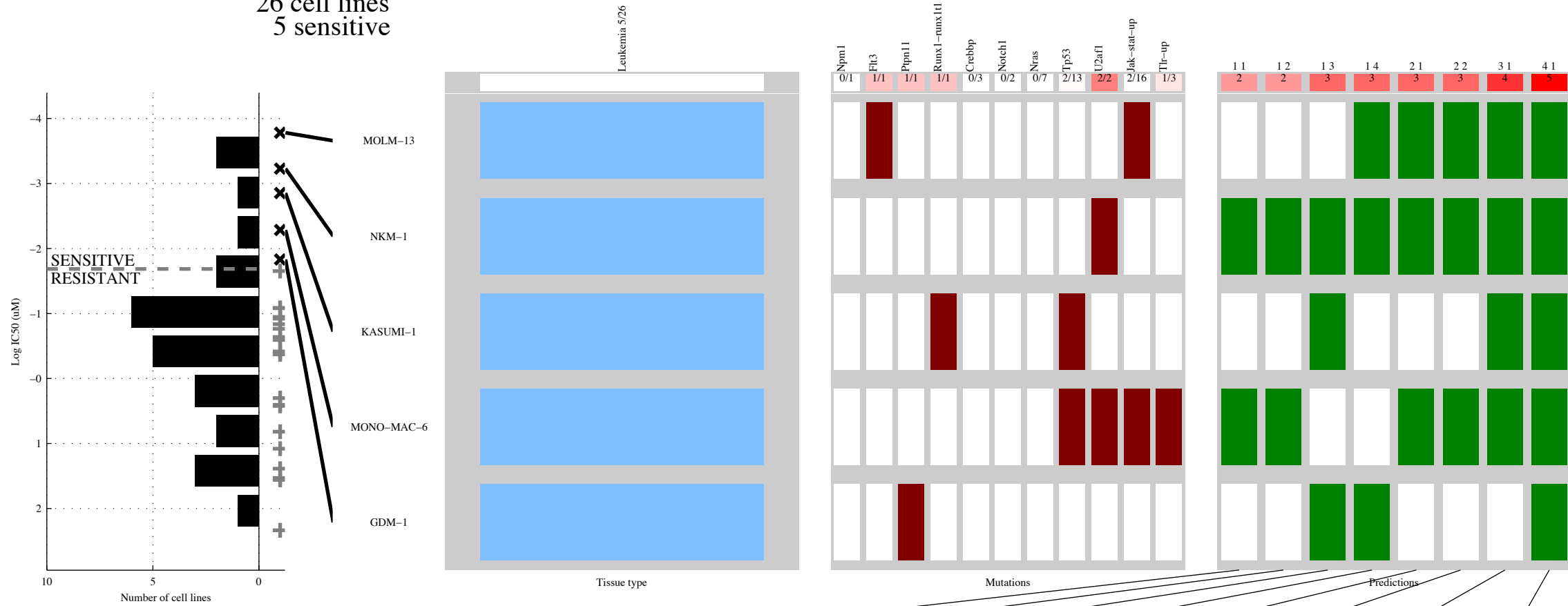
26 cell lines  
 14 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>ASXL1</b>	<b>ASXL1 &amp; -d9p13.</b>	<b>ASXL1 &amp; -d9p13 &amp;</b>	<b>-CREBB &amp; -NRAS &amp; -TET2 &amp; -d9p13.</b>	<b>FLT3   ASXL1</b>	<b>[ FLT3 &amp; CREBBP   ASXL1 &amp; -d9p13. ]</b>	<b>FLT3   RUNX1-   TLR-UP</b>	<b>FLT3   MAP3K1   RUNX1-   TLR-UP</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{4}{10} \mid \frac{1}{11}$ 0.92 0.8 0.29	$\frac{4}{10} \mid \frac{0}{12}$ 1 1 0.29	$\frac{4}{10} \mid \frac{0}{12}$ 1 1 0.29	$\frac{12}{2} \mid \frac{2}{10}$ 0.83 0.86 0.86	$\frac{5}{9} \mid \frac{1}{11}$ 0.92 0.83 0.36	$\frac{5}{9} \mid \frac{0}{12}$ 1 1 0.36	$\frac{5}{9} \mid \frac{0}{12}$ 1 1 0.36	$\frac{6}{8} \mid \frac{0}{12}$ 1 1 0.43

LAML  
 id: 153 name: Midostaurin  
 target: KIT class: RTK signaling

26 cell lines  
 5 sensitive

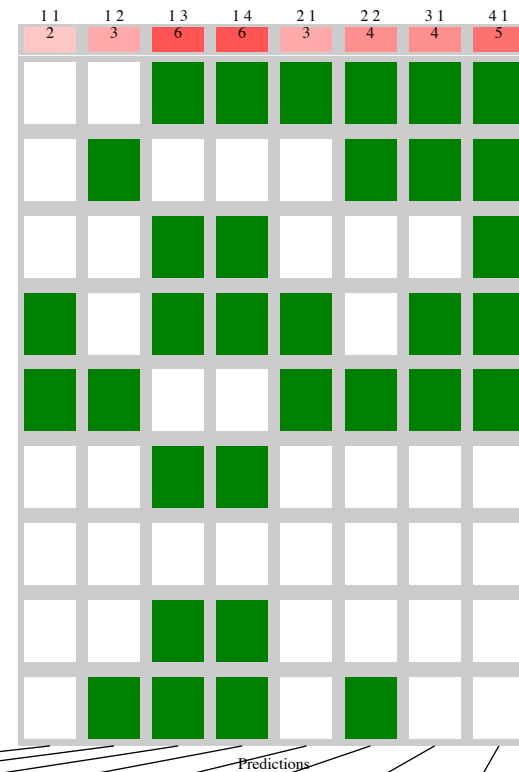
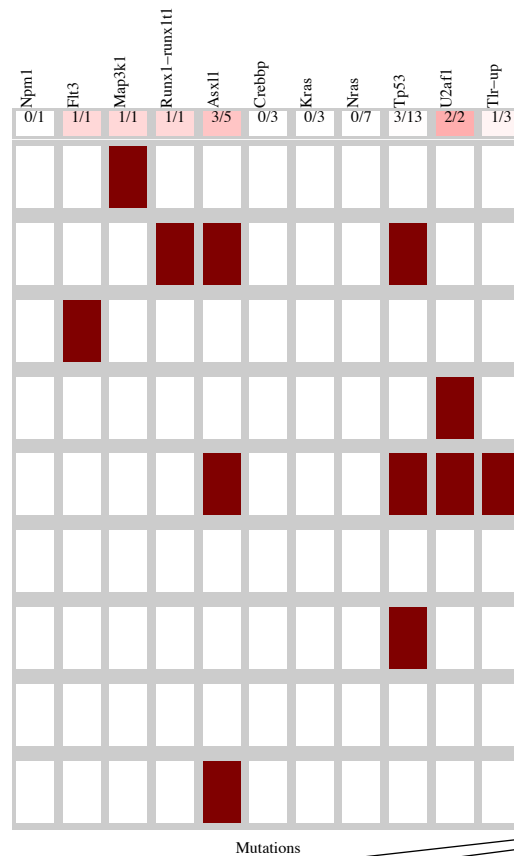
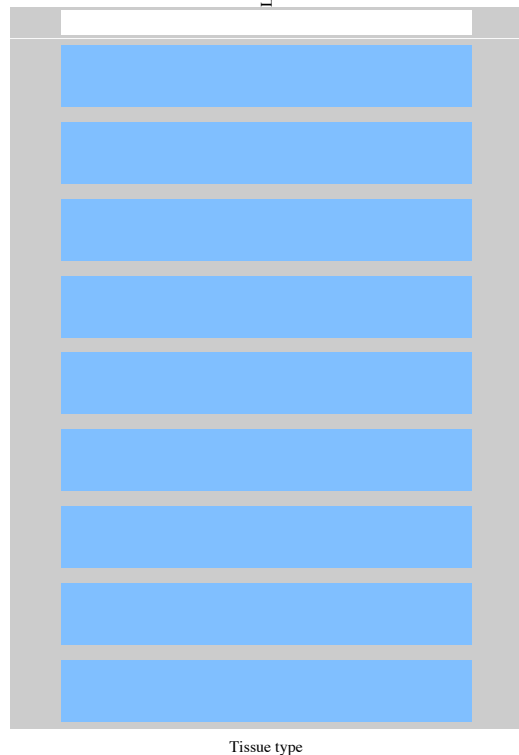
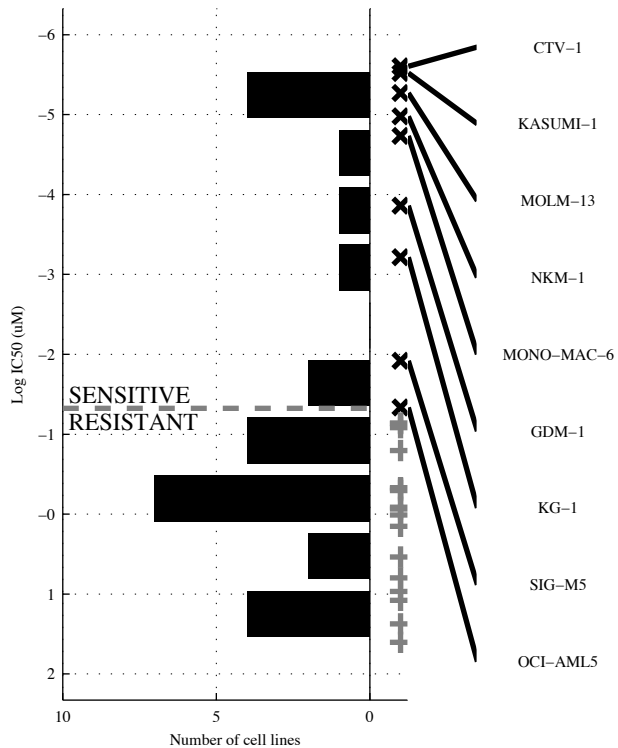


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>U2AF1</b>	<b>¬NPM1 &amp; U2AF1</b>	<b>¬CREBB &amp; ¬NRAS &amp; ¬JAK-ST</b>	<b>¬NOTCH &amp; ¬NRAS &amp; ¬TP53 &amp; TLR-UP</b>	<b>FLT3   U2AF1</b>	[ <b>U2AF1 &amp; FLT3 &amp;</b> ]	<b>FLT3   RUNX1-   U2AF1</b>	<b>FLT3   PTPN11   RUNX1-   U2AF1</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{2}{3} \mid \frac{0}{21}$ 1 1 0.4	$\frac{2}{3} \mid \frac{0}{21}$ 1 1 0.4	$\frac{3}{2} \mid \frac{4}{17}$ 0.81 0.43 0.6	$\frac{3}{2} \mid \frac{4}{17}$ 0.81 0.43 0.6	$\frac{3}{2} \mid \frac{0}{21}$ 1 1 0.6	$\frac{3}{2} \mid \frac{0}{21}$ 1 1 0.6	$\frac{4}{1} \mid \frac{0}{21}$ 1 1 0.8	$\frac{5}{0} \mid \frac{0}{21}$ 1 1 1

LAML  
 id: 155 name: AP-24534  
 target: ABL class: ABL signaling

26 cell lines  
 9 sensitive

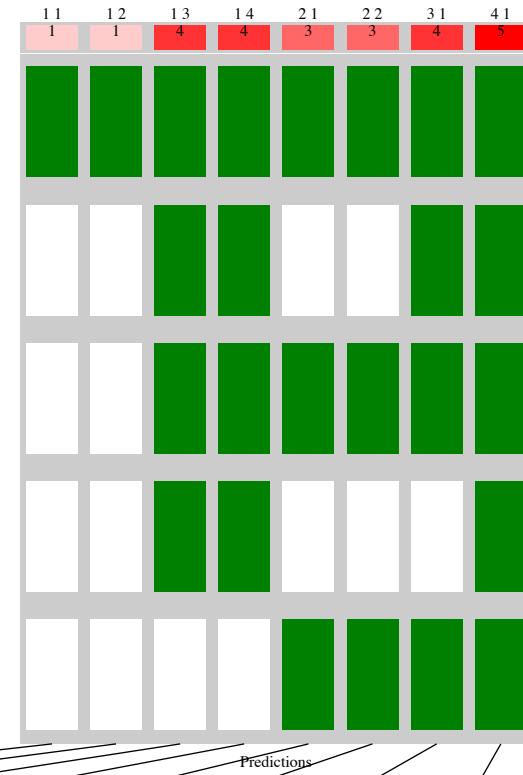
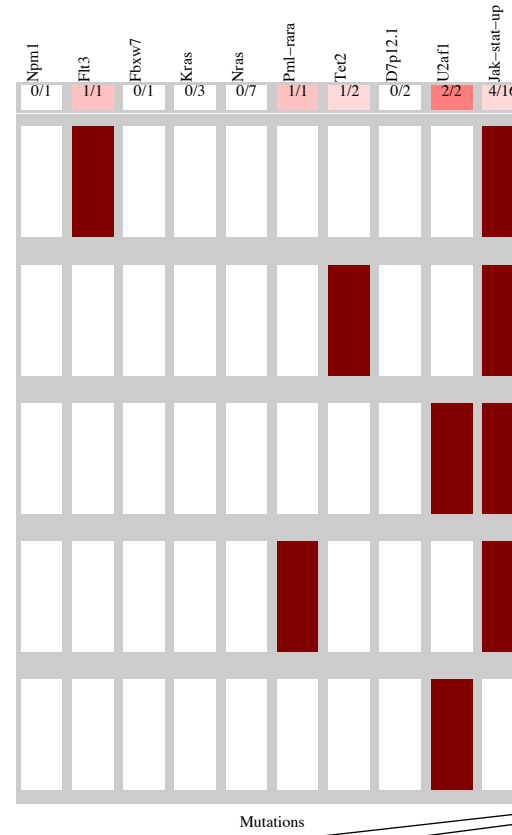
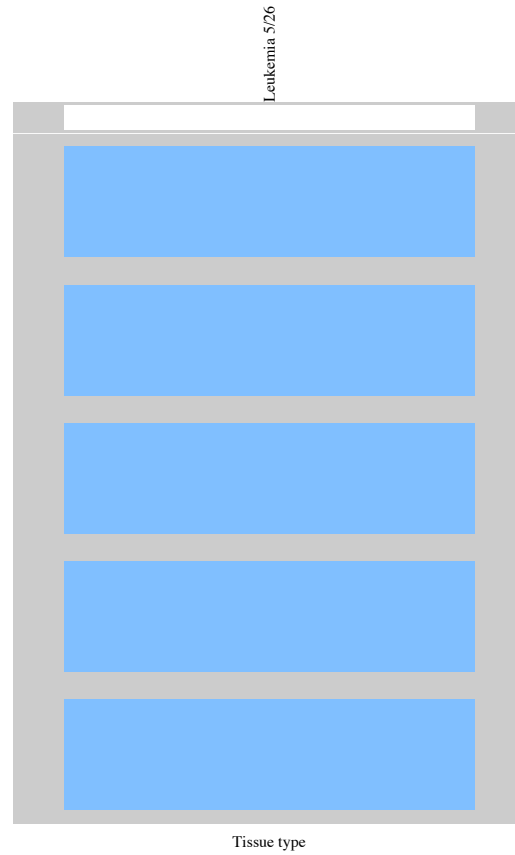
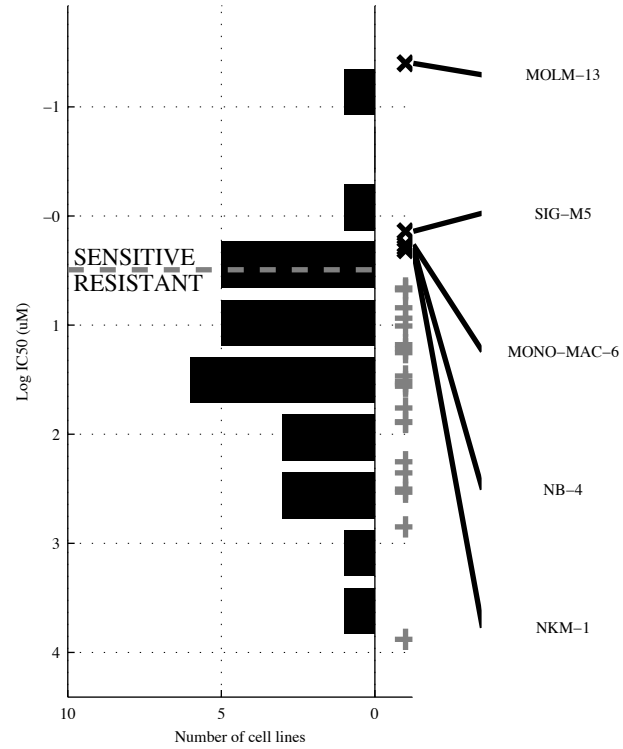
Leukemia 9/26



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>U2AF1</b>		<b>ASXL1 &amp; -KRAS</b>		<b>-NRAS &amp; -TP53 &amp; -TLR-UP</b>		<b>-CREBBP &amp; -NRAS &amp; -TP53 &amp; TLR-UP</b>		<b>MAP3K1   U2AF1</b>		<b>[ -NPM1 &amp; MAP3K1 ]   [ ASXL1 &amp; -KRAS ]</b>		<b>MAP3K1   RUNX1-   U2AF1</b>		<b>FLT3   MAP3K1   RUNX1-   U2AF1</b>	
TP   FP Specificity	2   0	1	3   0	1	6   3	0.82	6   2	0.88	3   0	1	4   0	1	4   0	1	5   0	1
FN   TN Precision	7   17	1	6   17	1	3   14	0.67	3   15	0.75	6   17	1	5   17	1	5   17	1	4   17	1
Recall		0.22		0.33		0.67		0.67		0.33		0.44		0.44		0.56

LAML  
 id: 158 name: PF-562271  
 target: FAK class: cytoskeleton

26 cell lines  
 5 sensitive

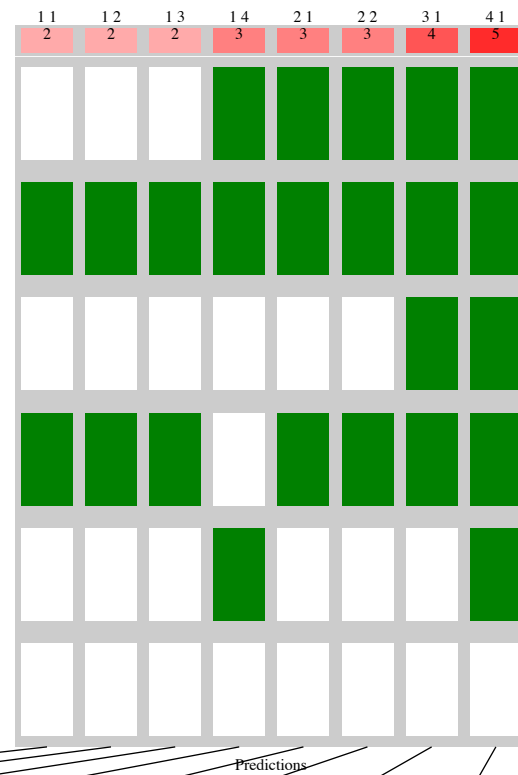
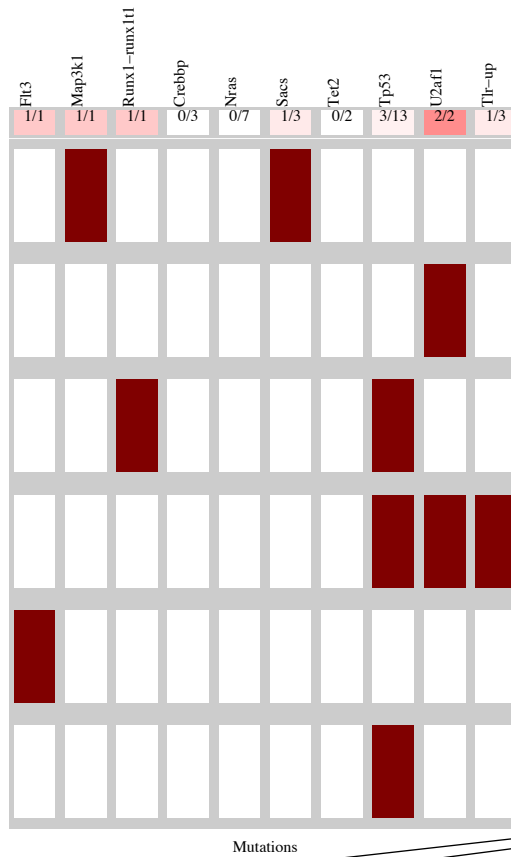
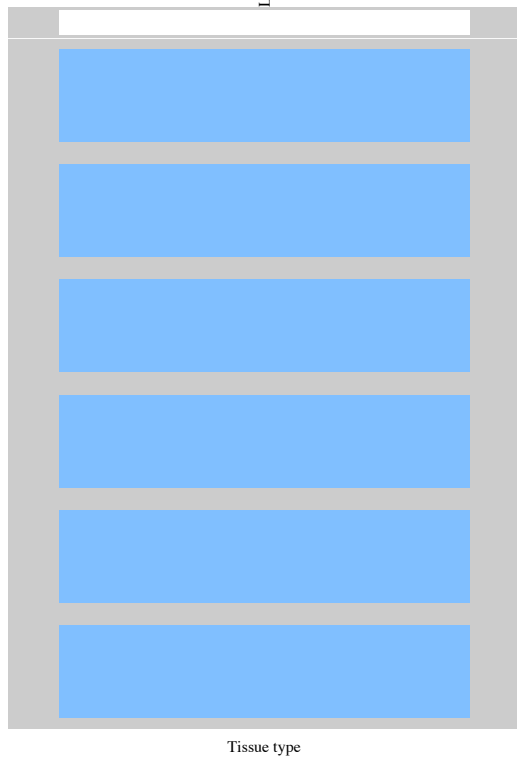
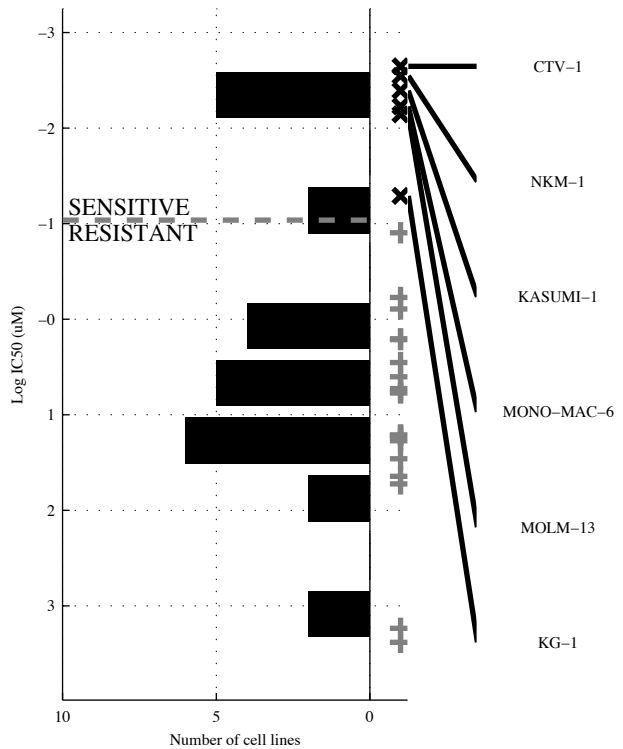


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>FLT3</b>	<b>-NPM1 &amp; FLT3</b>	<b>-KRAS &amp; -NRAS &amp; JAK-ST</b>	<b>-FBXW7 &amp; -KRAS &amp; -NRAS &amp; JAK-ST</b>	<b>FLT3   U2AF1</b>	<b>[ FLT3 &amp; ]   [ -d7p12 &amp; U2AF1 ]</b>	<b>FLT3   TET2   U2AF1</b>	<b>FLT3 PML-RA   TET2   U2AF1</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{4} \mid \frac{0}{21}$ 1 0.2	$\frac{1}{4} \mid \frac{0}{21}$ 1 0.2	$\frac{4}{1} \mid \frac{4}{17}$ 0.81 0.5 0.8	$\frac{4}{1} \mid \frac{3}{18}$ 0.86 0.57 0.8	$\frac{3}{2} \mid \frac{0}{21}$ 1 1 0.6	$\frac{3}{2} \mid \frac{0}{21}$ 1 1 0.6	$\frac{4}{1} \mid \frac{1}{20}$ 0.95 0.8 0.8	$\frac{5}{0} \mid \frac{1}{20}$ 0.95 0.83 1

LAML  
 id: 159 name: HG-6-64-1  
 target: BRAFV600E, TAK, MAP4K5 class: ERK MAPK signaling

26 cell lines  
 6 sensitive

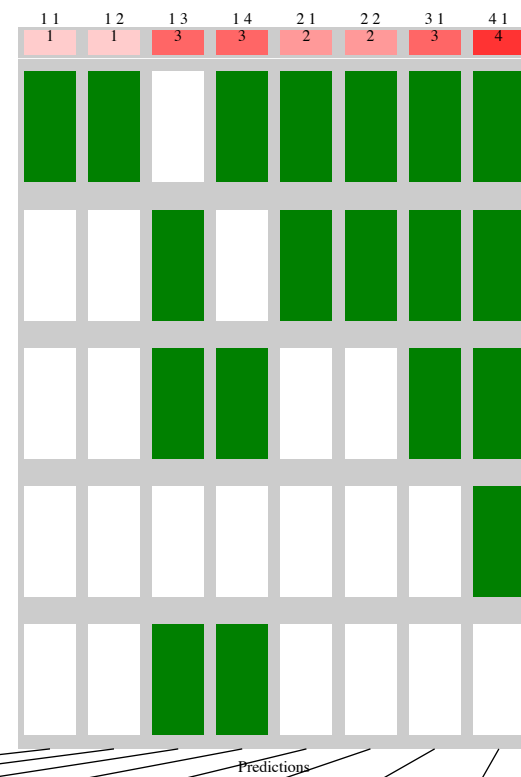
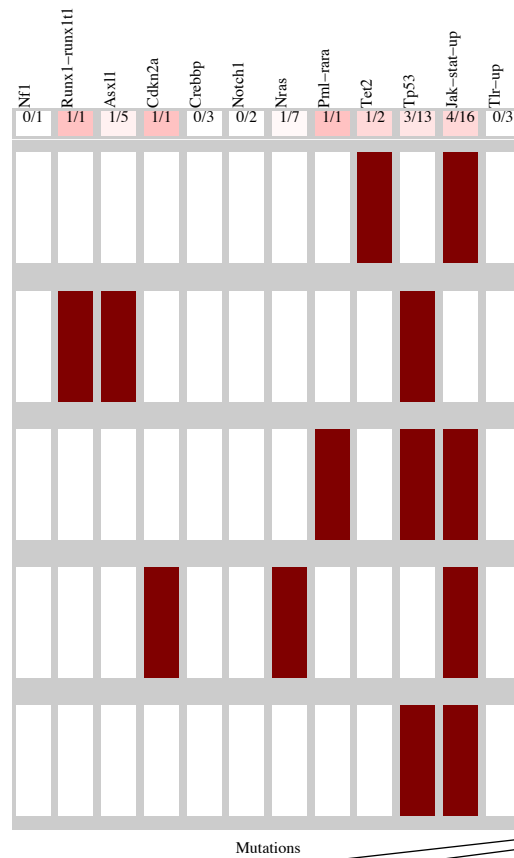
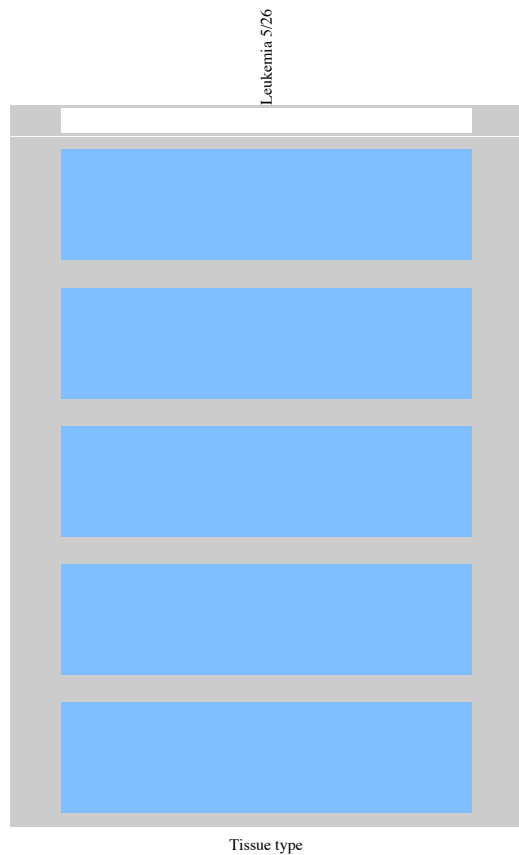
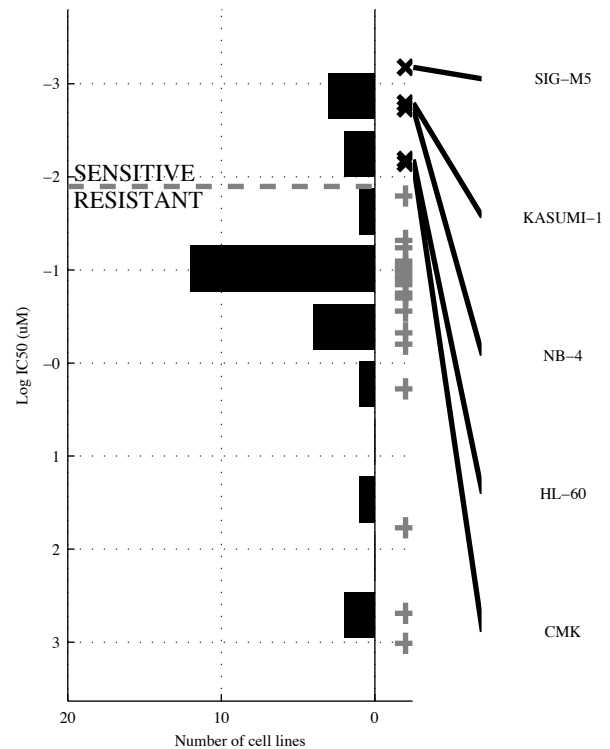
Leukemia 6/26



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>U2AF1</b>	<b>U2AF1 &amp;</b>	<b>U2AF1 &amp; &amp;</b>	<b>-NRAS &amp; -TET2 &amp; -TP53 &amp; TLR-UP</b>	<b>MAP3K1 U2AF1</b>	<b>[ CREBBP &amp; SACS ]</b>   <b>[ U2AF1 &amp; ]</b>	<b>MAP3K1 RUNX1-1</b>  <b>U2AF1</b>	<b>FLT3 MAP3K1</b>  <b>RUNX1-1 U2AF1</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{2}{4} \mid \frac{0}{20}$ 1 0.33	$\frac{2}{4} \mid \frac{0}{20}$ 1 0.33	$\frac{2}{4} \mid \frac{0}{20}$ 1 0.33	$\frac{3}{3} \mid \frac{4}{16}$ 0.8 0.43 0.5	$\frac{3}{3} \mid \frac{0}{20}$ 1 0.5	$\frac{3}{3} \mid \frac{0}{20}$ 1 0.5	$\frac{4}{2} \mid \frac{0}{20}$ 1 0.67	$\frac{5}{1} \mid \frac{0}{20}$ 1 0.83

LAML  
 id: 163 name: JQ1  
 target: BRD4 class: chromatin other

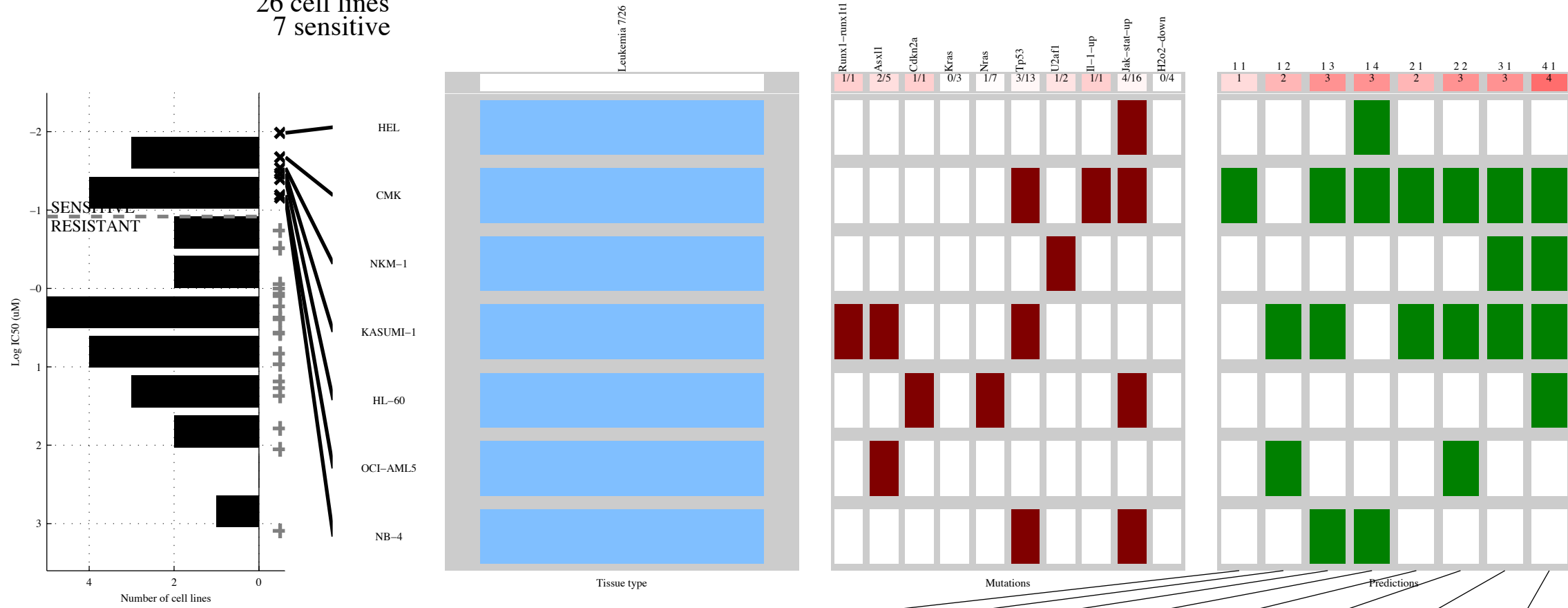
26 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>TET2</b>	<b>-NF1 &amp; TET2</b>	<b>-NRAS &amp; TP53 &amp; -TLR-UP</b>	<b>-ASXL1 &amp; NOTCH1 &amp; -NRAS &amp; JAK-ST</b>	<b>RUNX1-I &amp; TET2</b>	[ <b>-NF1 &amp; TET2</b> ]   <b>[RUNX1-&amp;CREBBP]</b>	<b>RUNX1-PML-RAI</b>  <b>TET2</b>	<b>RUNX1-CDKN2AI</b>  <b>PML-RAI TET2</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{4} \mid \frac{1}{20}$ 0.95 0.5 0.2	$\frac{1}{4} \mid \frac{0}{21}$ 1 1 0.2	$\frac{3}{2} \mid \frac{4}{17}$ 0.81 0.43 0.6	$\frac{3}{2} \mid \frac{3}{18}$ 0.86 0.5 0.6	$\frac{2}{3} \mid \frac{1}{20}$ 0.95 0.67 0.4	$\frac{2}{3} \mid \frac{0}{21}$ 1 1 0.4	$\frac{3}{2} \mid \frac{1}{20}$ 0.95 0.75 0.6	$\frac{4}{1} \mid \frac{1}{20}$ 0.95 0.8 0.8

LAML  
 id: 164 name: JQ12  
 target: HDAC class: chromain histone acetylation

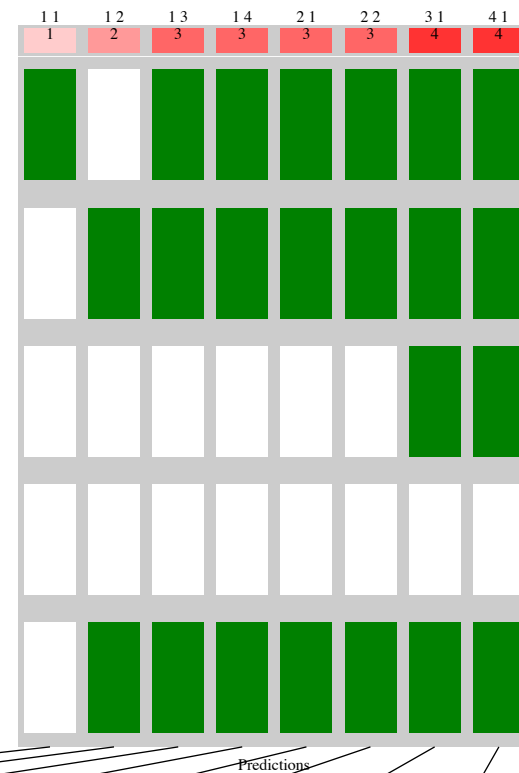
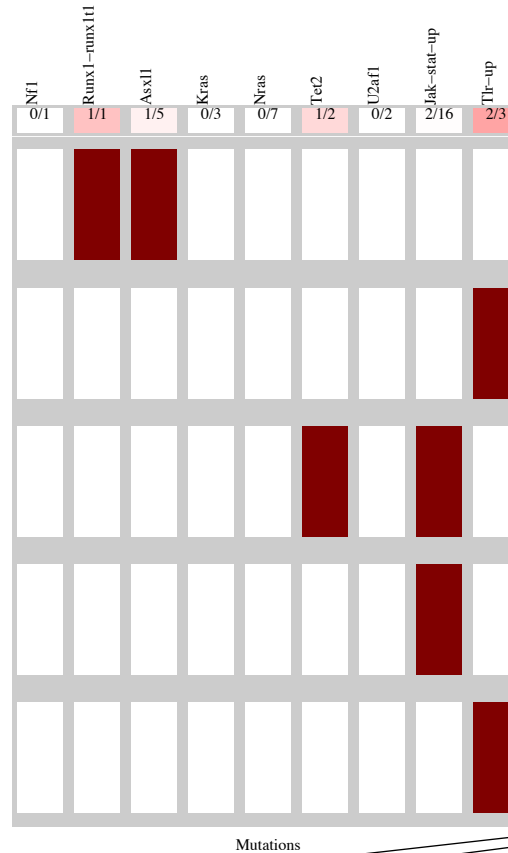
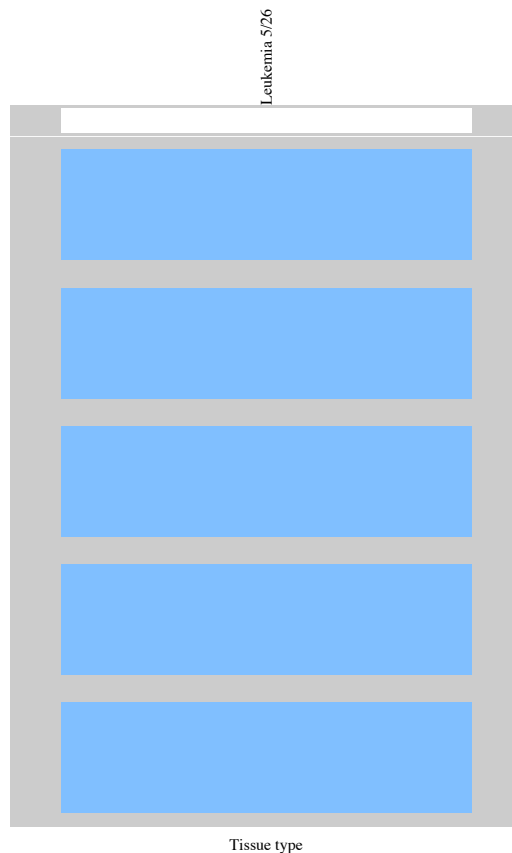
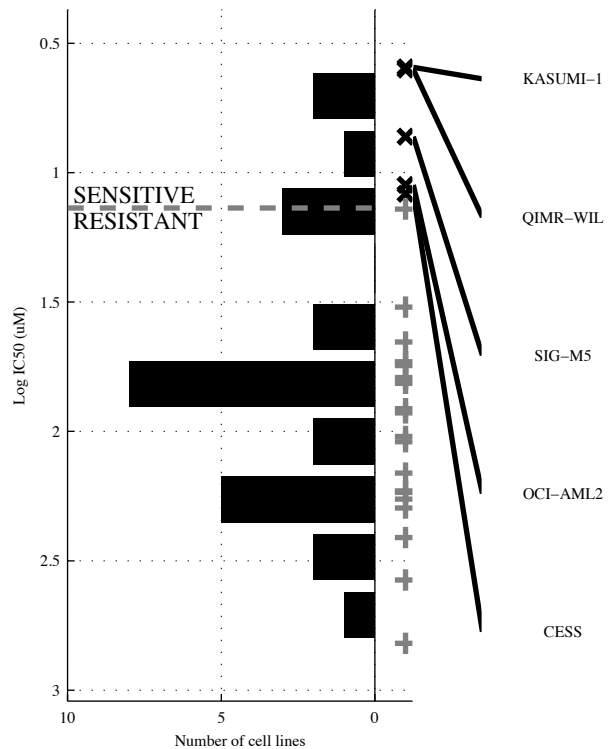
26 cell lines  
 7 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>IL-1-U</b>	<b>ASXL1 &amp; JAK-ST</b>	<b>-KRAS &amp; -NRAS &amp; TP53</b>	<b>-ASXL1 &amp; -NRAS &amp; JAK-ST &amp; H2O2-D</b>	<b>RUNX1   IL-1-U</b>	<b>[ ASXL1 &amp; JAK-ST ]   [ IL-1-U &amp; ]</b>	<b>RUNX1   U2AF1   IL-1-U</b>	<b>RUNX1-CDKN2A   U2AF1   IL-1-U</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{6} \mid \frac{0}{19}$ 1 0.14	$\frac{2}{5} \mid \frac{0}{19}$ 1 0.29	$\frac{3}{4} \mid \frac{3}{16}$ 0.84 0.5 0.43	$\frac{3}{4} \mid \frac{3}{16}$ 0.84 0.5 0.43	$\frac{2}{5} \mid \frac{0}{19}$ 1 0.29	$\frac{3}{4} \mid \frac{0}{19}$ 1 0.43	$\frac{3}{4} \mid \frac{1}{18}$ 0.95 0.75 0.43	$\frac{4}{3} \mid \frac{1}{18}$ 0.95 0.8 0.57

LAML  
 id: 166 name: FTI-277  
 target: Farnesyl transferase (FNTA) class: other

26 cell lines  
 5 sensitive

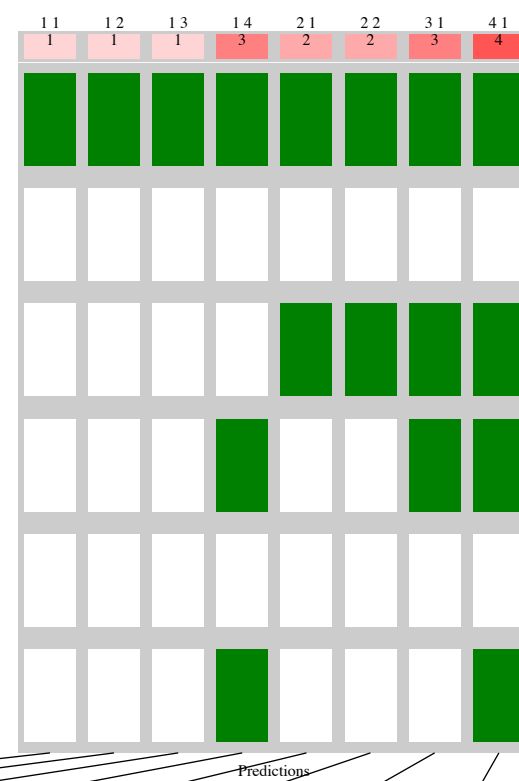
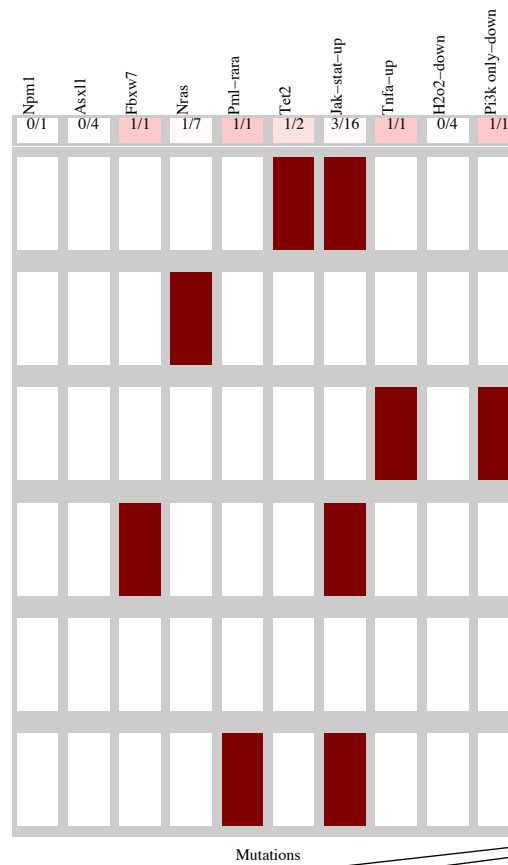
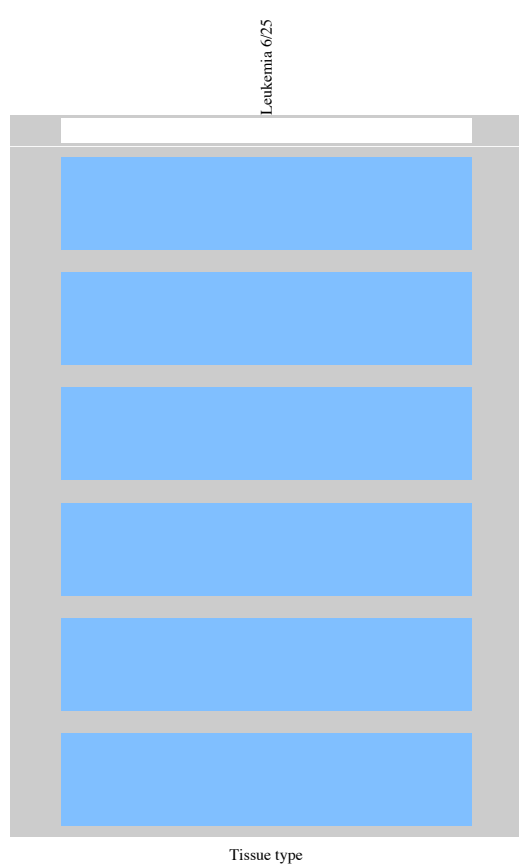
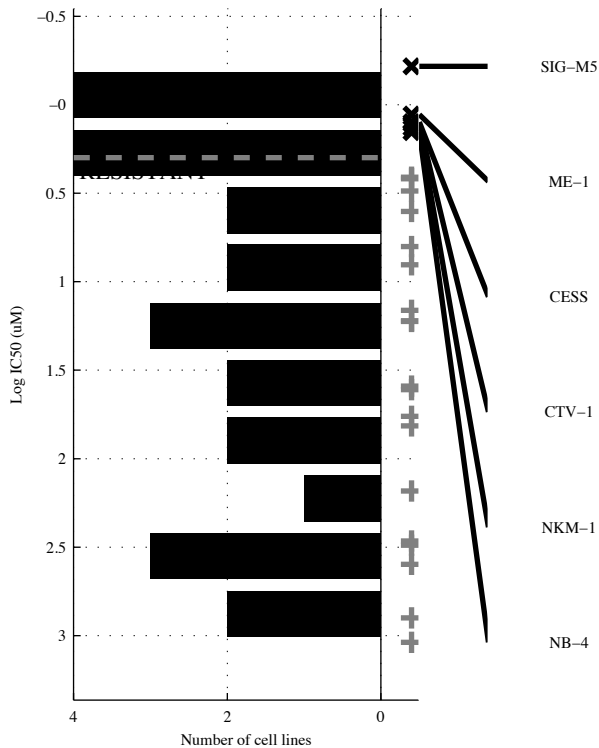


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>RUNX1-</b>	<b>¬ASXL1 &amp; TLR-UP</b>	<b>¬NRAS &amp; ¬U2AF1 &amp; ¬JAK-ST</b>	<b>¬NF1 &amp; ¬NRAS &amp; ¬U2AF1 &amp; JAK-ST</b>	<b>RUNX1-   TLR-UP</b>	<b>[RUNX1- &amp; ¬KRAS]   [¬JAK-ST &amp; TLR-UP]</b>	<b>RUNX1-   TET2   TLR-UP</b>	<b>RUNX1-   TET2   TLR-UP</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{4} \mid \frac{0}{21}$ 1 0.2	$\frac{2}{3} \mid \frac{0}{21}$ 1 0.4	$\frac{3}{2} \mid \frac{4}{17}$ 0.81 0.43 0.6	$\frac{3}{2} \mid \frac{3}{18}$ 0.86 0.5 0.6	$\frac{3}{2} \mid \frac{1}{20}$ 0.95 0.75 0.6	$\frac{3}{2} \mid \frac{0}{21}$ 1 1 0.6	$\frac{4}{1} \mid \frac{2}{19}$ 0.9 0.67 0.8	$\frac{4}{1} \mid \frac{2}{19}$ 0.9 0.67 0.8



LAML  
 id: 175 name: PAC-1  
 target: CASP3 agonist class: apoptosis regulation

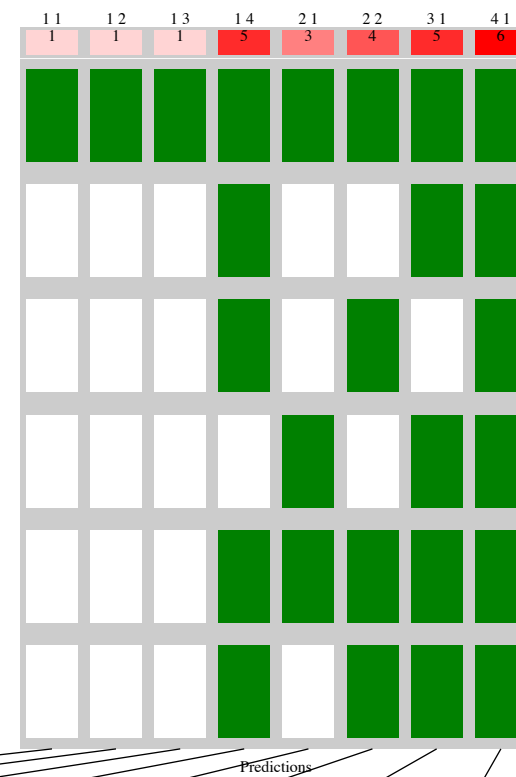
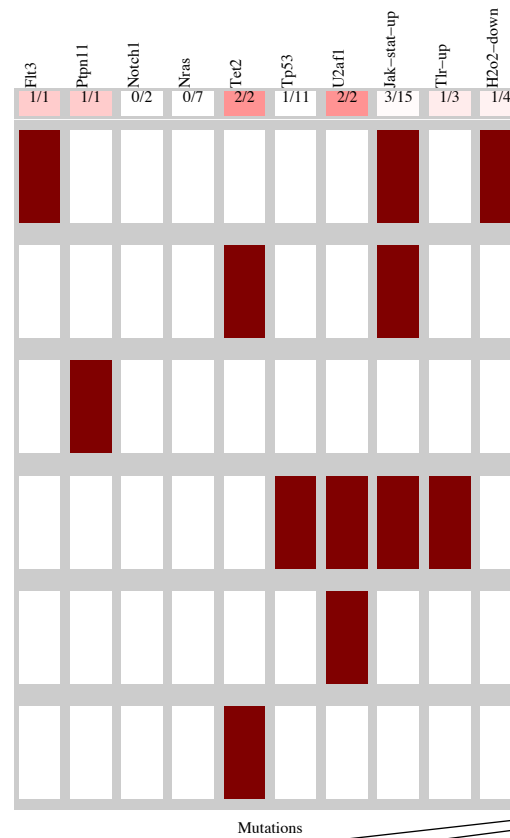
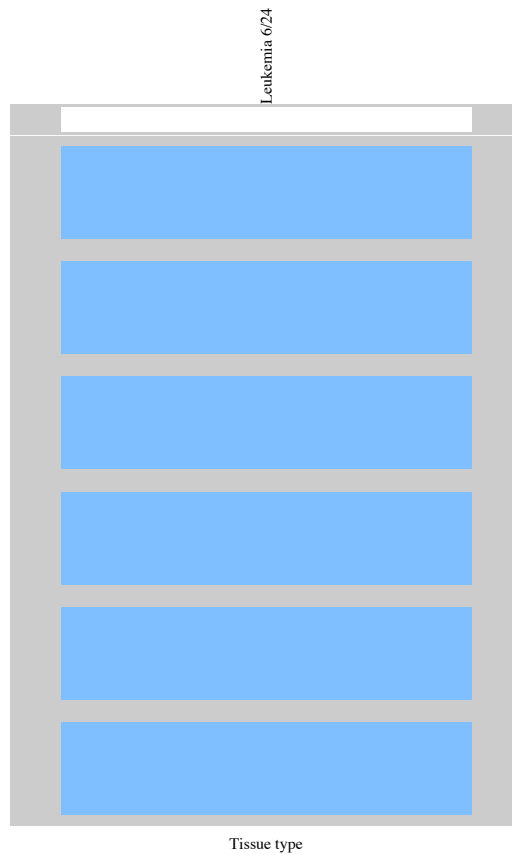
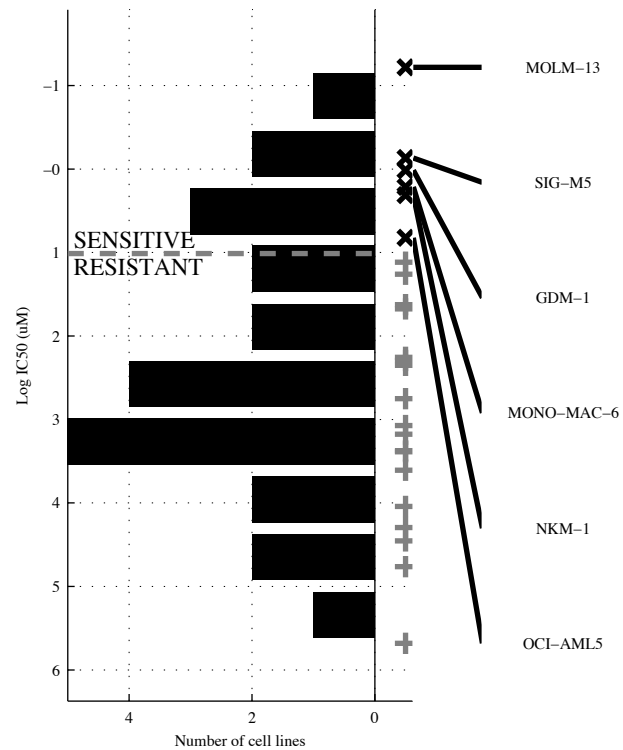
25 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>TET2</b>	<b>~ASXL1 &amp; TET2</b>	<b>~NPM1 &amp; ~ASXL1 &amp; TET2</b>	<b>~ASXL1 &amp; ~NRAS &amp; JAK-ST &amp; H2O2-D</b>	<b>TET2   PI3K o</b>	<b>[TNFa-U &amp; ]   [ TET2 &amp; JAK-ST]</b>	<b>FBXW7   TET2   PI3K o</b>	<b>FBXW7 PML-RA   TET2   PI3K o</b>
TP   FP Specificity	1   1 0.95	1   0 1	1   0 1	3   3 0.84	2   1 0.95	2   0 1	3   1 0.95	4   1 0.95
FN   TN Precision	5   18 0.5	5   19 1	5   19 1	3   16 0.5	4   18 0.67	4   19 1	3   18 0.75	2   18 0.8
Recall	0.17	0.17	0.17	0.5	0.33	0.33	0.5	0.67

LAML  
 id: 177 name: GSK-650394  
 target: SGK3 class: other

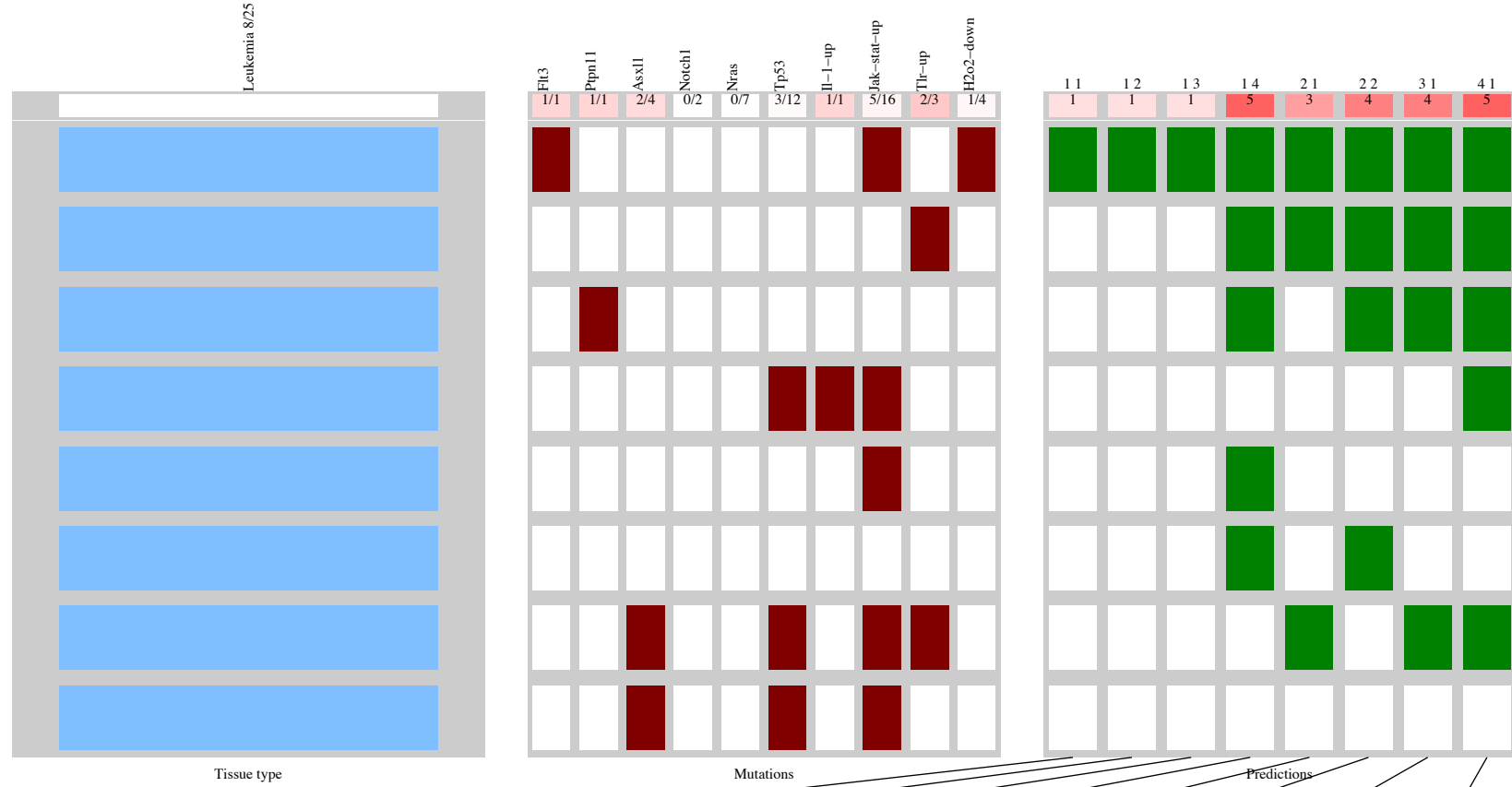
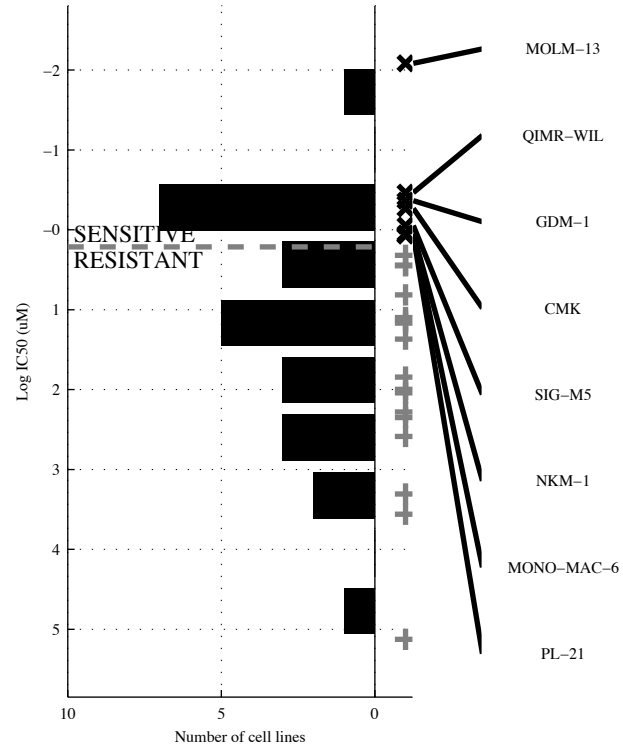
24 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>FLT3</b>	<b>FLT3 &amp; JAK-ST</b>	<b>-NOTCH1 &amp; -NRAS &amp; H2O2-D</b>	<b>-NOTCH1 &amp; -NRAS &amp; -TP53 &amp; TLR-UP</b>	<b>FLT3   U2AF1</b>	<b>[ -TP53 &amp; JAK-ST ]   [ FLT3 &amp; -NRAS ]</b>	<b>FLT3   TET2   U2AF1</b>	<b>FLT3   PTPN11   TET2   U2AF1</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{5} \mid \frac{0}{18}$ 1 0.17	$\frac{1}{5} \mid \frac{0}{18}$ 1 0.17	$\frac{1}{5} \mid \frac{0}{18}$ 1 0.17	$\frac{5}{1} \mid \frac{2}{16}$ 0.89 0.71 0.83	$\frac{3}{3} \mid \frac{0}{18}$ 1 0.5	$\frac{4}{2} \mid \frac{2}{16}$ 0.89 0.67 0.67	$\frac{5}{1} \mid \frac{0}{18}$ 1 0.83	$\frac{6}{0} \mid \frac{0}{18}$ 1 1 1

LAML  
 id: 178 name: BAY 61-3606  
 target: SYK class: other

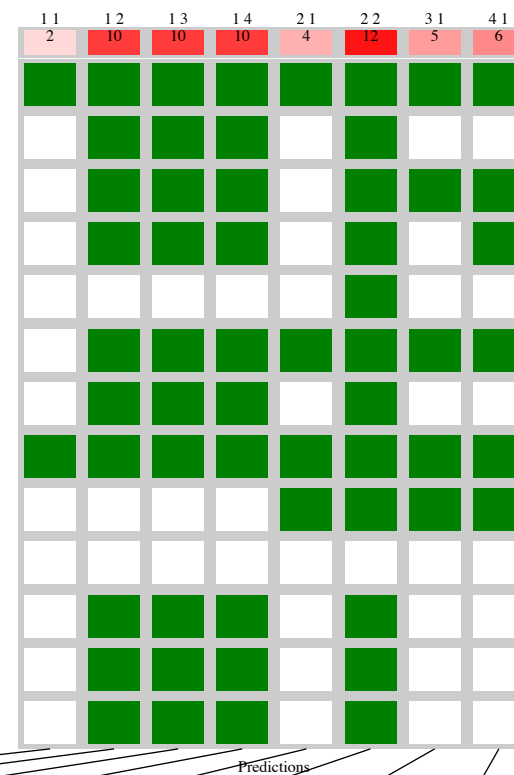
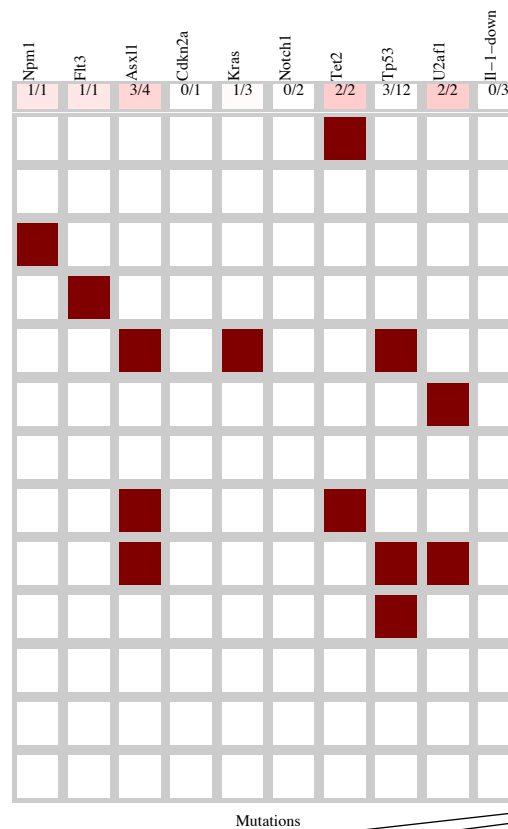
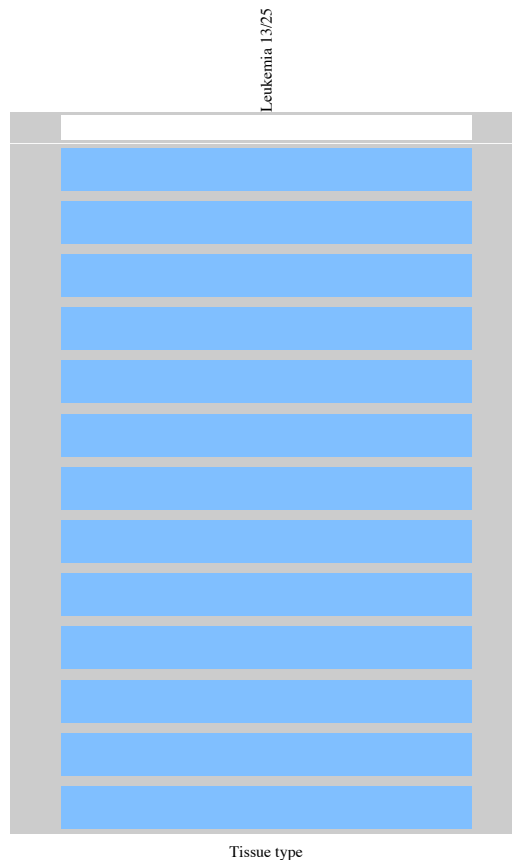
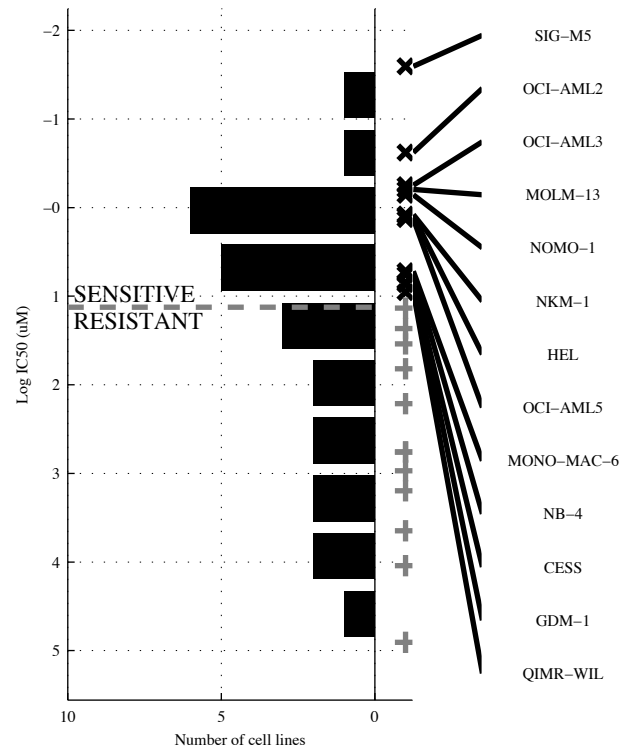
25 cell lines  
 8 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>FLT3</b>	<b>FLT3 &amp; NOTCH1</b>	<b>-NOTCH1 &amp; -NRAS &amp; H2O2-D</b>	<b>-ASXL1 &amp; NOTCH1 &amp; -NRAS &amp; -TP53</b>	<b>FLT3   TLR-UP</b>	<b>[ -TP53 &amp; JAK-ST ]   [ FLT3 &amp; JAK-ST ]</b>	<b>FLT3   PTPN11   TLR-UP</b>	<b>FLT3   PTPN11   IL-1-U   TLR-UP</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{7}   \frac{0}{17}$ 1 0.13	$\frac{1}{7}   \frac{0}{17}$ 1 0.13	$\frac{1}{7}   \frac{0}{17}$ 1 0.13	$\frac{5}{3}   \frac{3}{14}$ 0.82 0.63 0.63	$\frac{3}{5}   \frac{1}{16}$ 0.94 0.75 0.38	$\frac{4}{4}   \frac{2}{15}$ 0.88 0.67 0.5	$\frac{4}{4}   \frac{1}{16}$ 0.94 0.8 0.5	$\frac{5}{3}   \frac{1}{16}$ 0.94 0.83 0.63

LAML  
 id: 179 name: 5-Fluorouracil  
 target: DNA antimetabolite class: DNA replication

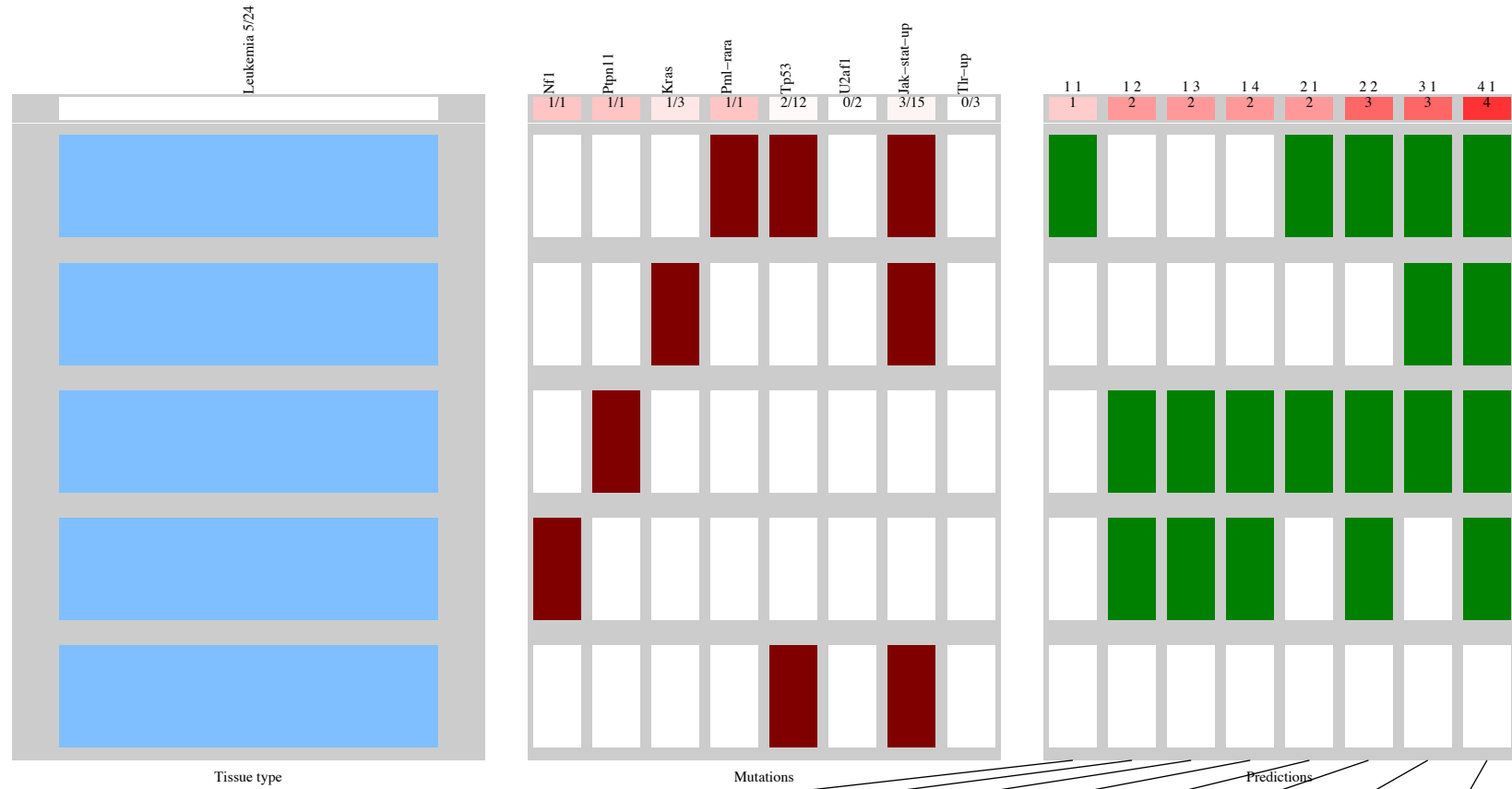
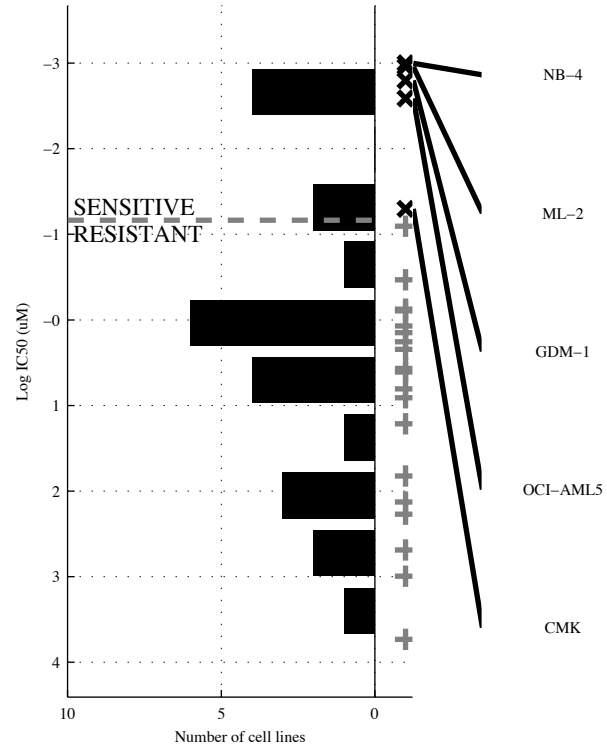
25 cell lines  
 13 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>TET2</b>	<b><del>NOTCH</del> &amp; <del>TP53</del></b>	<b><del>CDKN2</del> &amp; <del>NOTCH</del> &amp; <del>TP53</del></b>	<b><del>CDKN2</del> &amp; <del>KRAS</del> &amp; <del>NOTCH</del> &amp; <del>TP53</del></b>	<b>TET2   U2AF1</b>	<b>[ ASXL1 &amp; IL-1-D ]   <del>NOTCH</del> &amp; <del>TP53</del> ]</b>	<b>NPM1   TET2   U2AF1</b>	<b>NPM1   FLT3   TET2   U2AF1</b>
TP   FP	2   0	10   1	10   0	10   0	4   0	12   1	5   0	6   0
Specificity	1	0.92	1	1	1	0.92	1	1
FN   TN	11   12	3   11	3   12	3   12	9   12	1   11	8   12	7   12
Precision	1	0.91	1	1	1	0.92	1	1
Recall	0.15	0.77	0.77	0.77	0.31	0.92	0.38	0.46

LAML  
 id: 184 name: BMS-754807  
 target: IGF1R class: IGFR signaling

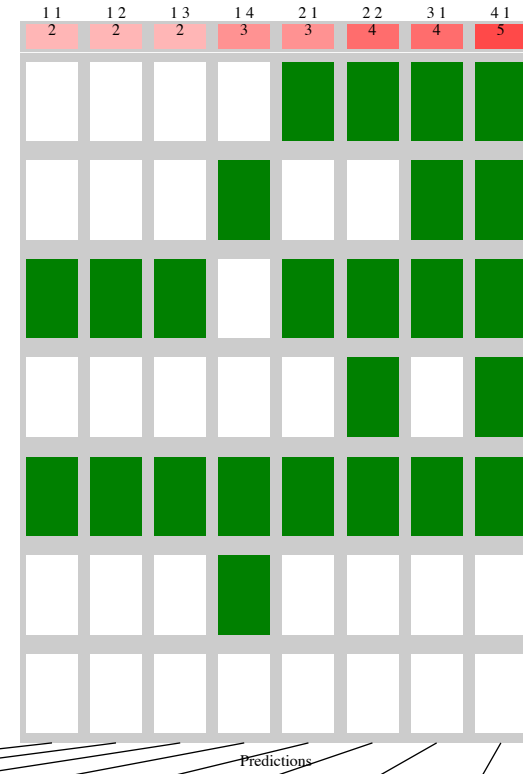
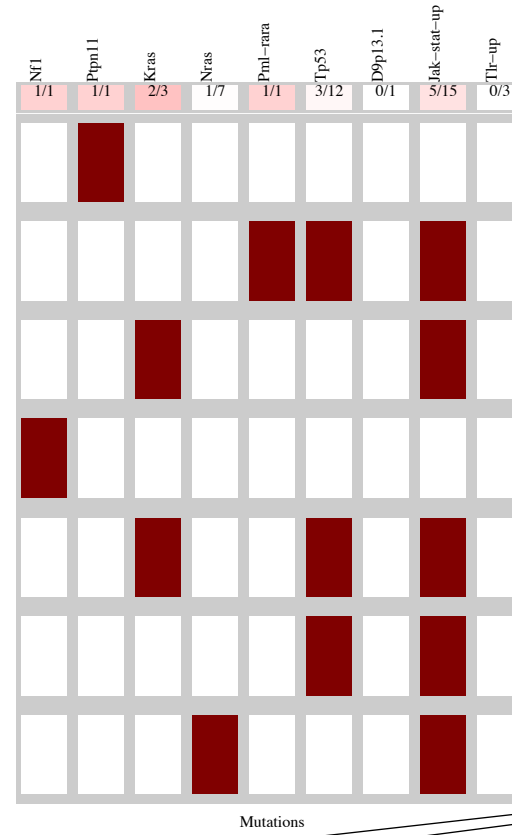
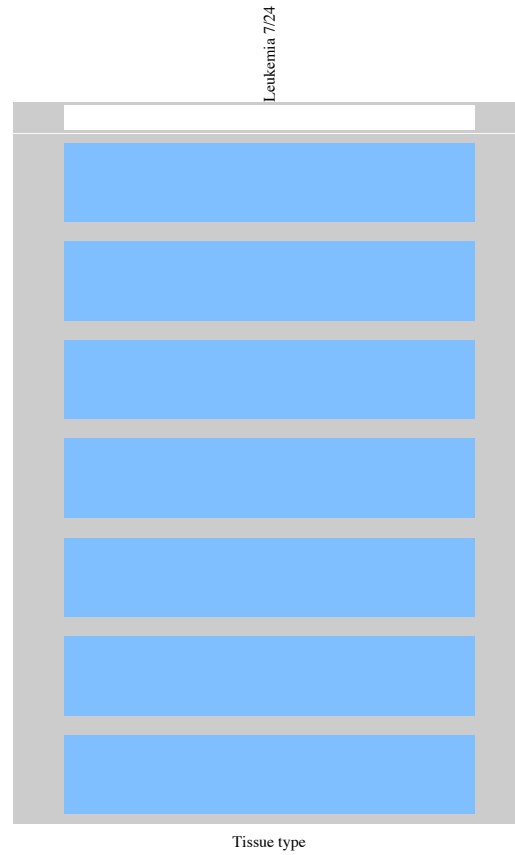
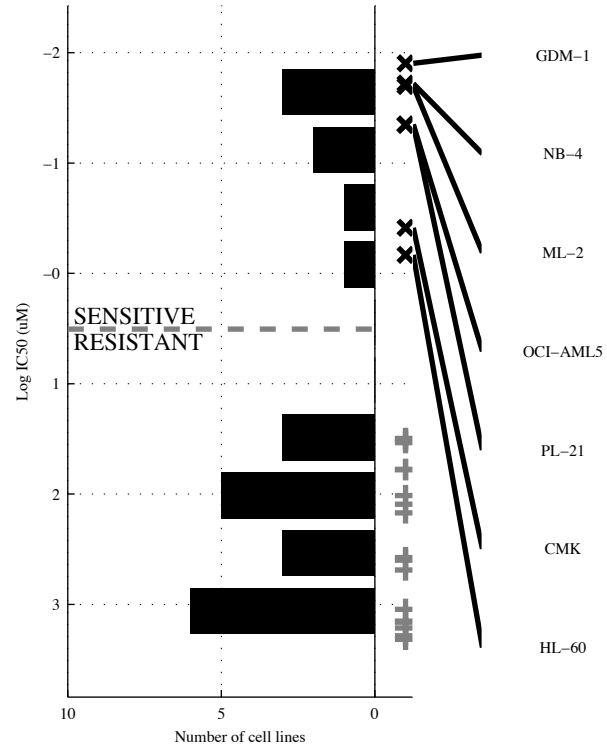
24 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>PML-RA</b>	<b>-TP53 &amp; JAK-ST</b>	<b>-TP53 &amp; JAK-ST &amp; TLR-UP</b>	<b>-TP53 &amp; -U2AF1 &amp; -JAK-ST &amp; TLR-UP</b>	<b>PTPN11 PML-RA</b>	<b>[ -TP53 &amp; JAK-ST ]   [ PML-RA &amp; JAK-ST ]</b>	<b>PTPN11   KRAS   PML-RA</b>	<b>NF1   PTPN11   KRAS PML-RA</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{4} \mid \frac{0}{19}$ 1 0.2	$\frac{2}{3} \mid \frac{3}{16}$ 0.84 0.4 0.4	$\frac{2}{3} \mid \frac{1}{18}$ 0.95 0.67 0.4	$\frac{2}{3} \mid \frac{0}{19}$ 1 1 0.4	$\frac{2}{3} \mid \frac{0}{19}$ 1 1 0.4	$\frac{3}{2} \mid \frac{3}{16}$ 0.84 0.5 0.6	$\frac{3}{2} \mid \frac{2}{17}$ 0.89 0.6 0.6	$\frac{4}{1} \mid \frac{2}{17}$ 0.89 0.67 0.8

LAML  
 id: 185 name: OSI-906  
 target: IGF1R class: IGFR signaling

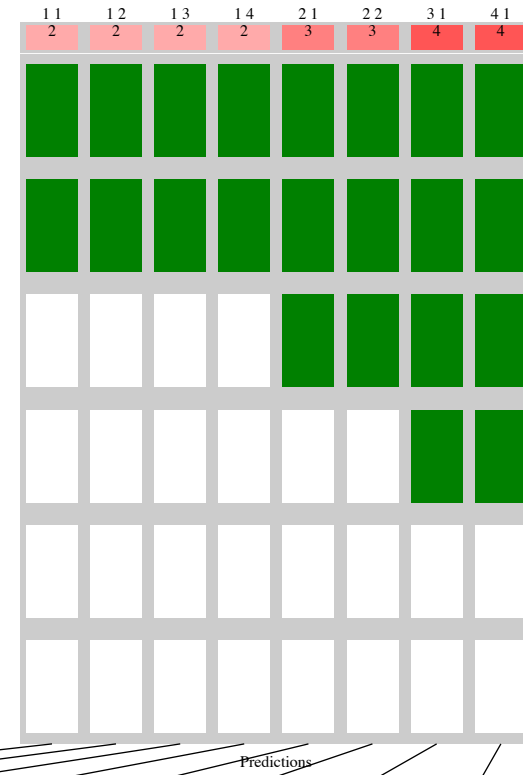
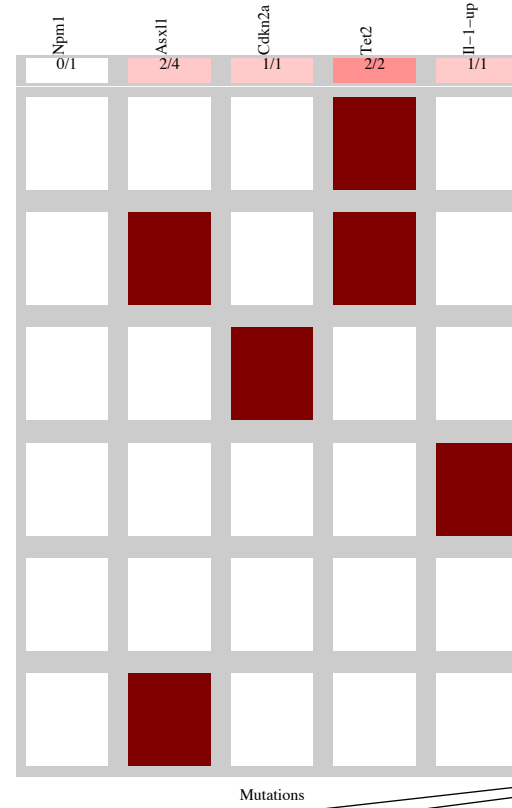
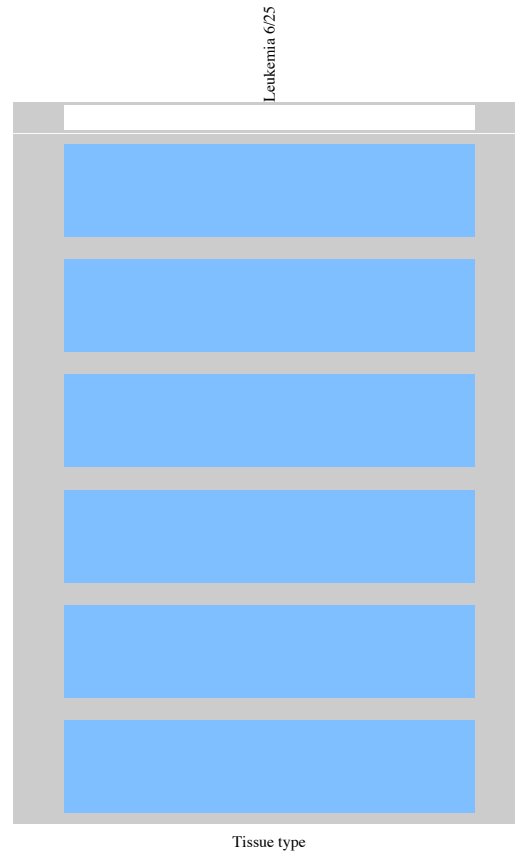
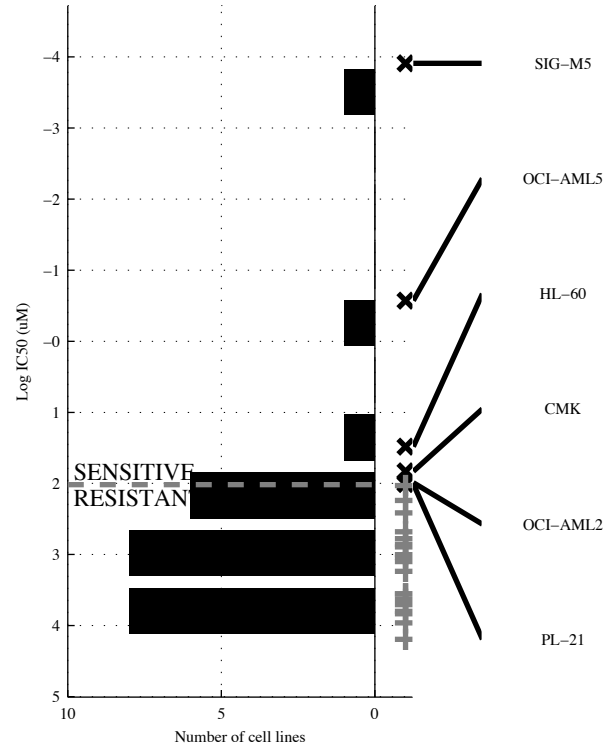
24 cell lines  
 7 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>KRAS</b>	<b>KRAS &amp;-d9p13.</b>	<b>KRAS &amp;-d9p13&amp;</b>	<b>-NRAS&amp; TP53 &amp; JAK-ST&amp;TLR-UP</b>	<b>PTPN11   KRAS</b>	<b>[ -TP53 &amp;JAK-ST ]   [ KRAS &amp;-d9p13. ]</b>	<b>PTPN11   KRAS   PML-RA</b>	<b>NF1   PTPN11   KRAS PML-RA</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{2}{5} \mid \frac{1}{16}$ 0.94 0.67 0.29	$\frac{2}{5} \mid \frac{0}{17}$ 1 1 0.29	$\frac{2}{5} \mid \frac{0}{17}$ 1 1 0.29	$\frac{3}{4} \mid \frac{1}{16}$ 0.94 0.75 0.43	$\frac{3}{4} \mid \frac{1}{16}$ 0.94 0.75 0.43	$\frac{4}{3} \mid \frac{3}{14}$ 0.82 0.57 0.57	$\frac{4}{3} \mid \frac{1}{16}$ 0.94 0.8 0.57	$\frac{5}{2} \mid \frac{1}{16}$ 0.94 0.83 0.71

LAML  
 id: 186 name: Bexarotene  
 target: Retinoic acid X family agonist class: other

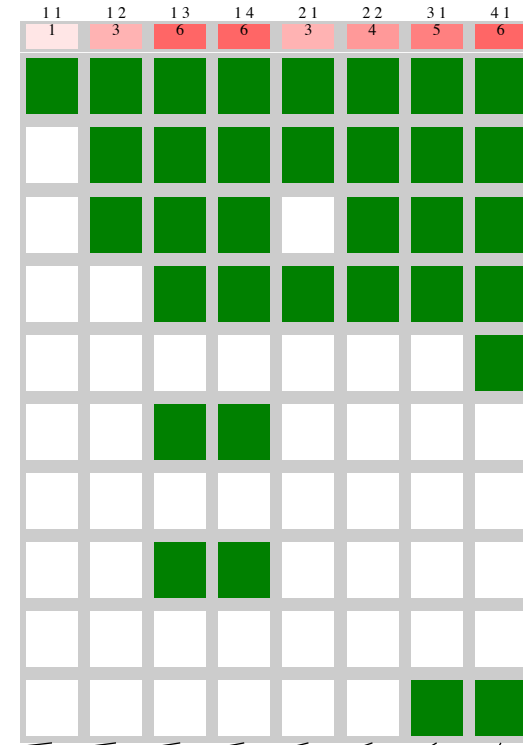
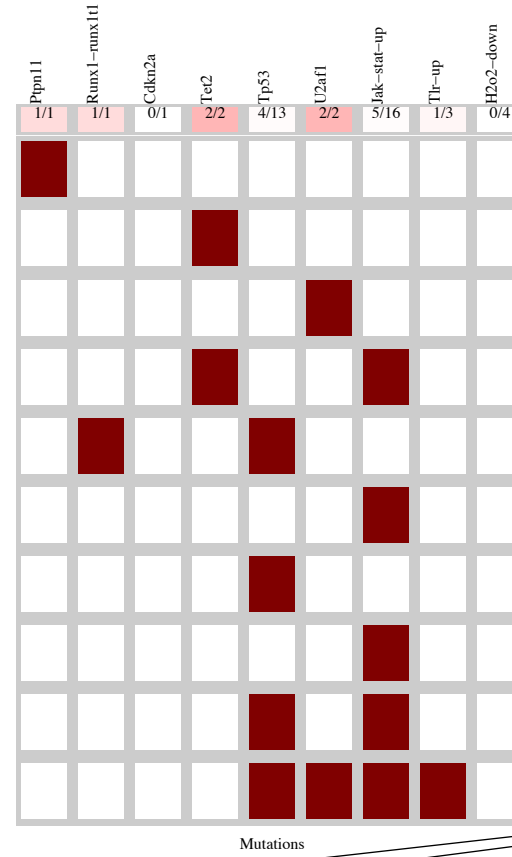
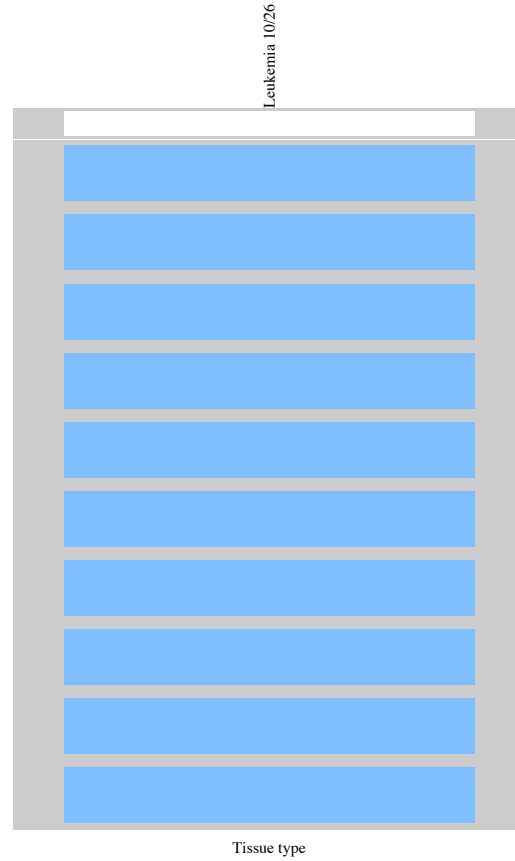
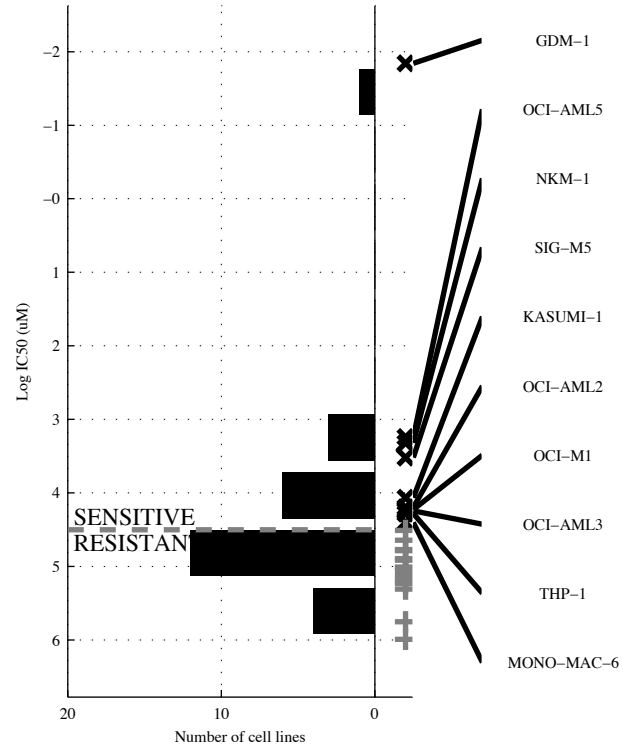
25 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>TET2</b>	<b>~NPM1 &amp; TET2</b>	<b>TET2 &amp; &amp;</b>	<b>TET2 &amp; &amp;</b>	<b>CDKN2A   TET2</b>	<b>[~ASXL1 &amp; CDKN2A]   [TET2 &amp; ]</b>	<b>CDKN2A   TET2   IL-1-U</b>	<b>CDKN2A   TET2   IL-1-U  </b>
TP   FP Specificity FN   TN Precision Recall	$\frac{2}{4} \mid \frac{0}{19}$ 1 0.33	$\frac{2}{4} \mid \frac{0}{19}$ 1 0.33	$\frac{2}{4} \mid \frac{0}{19}$ 1 0.33	$\frac{2}{4} \mid \frac{0}{19}$ 1 0.33	$\frac{3}{3} \mid \frac{0}{19}$ 1 0.5	$\frac{3}{3} \mid \frac{0}{19}$ 1 0.5	$\frac{4}{2} \mid \frac{0}{19}$ 1 0.67	$\frac{4}{2} \mid \frac{0}{19}$ 1 0.67

LAML  
 id: 193 name: GW-2580  
 target: CSF1R (cFMS) class: RTK signaling

26 cell lines  
 10 sensitive

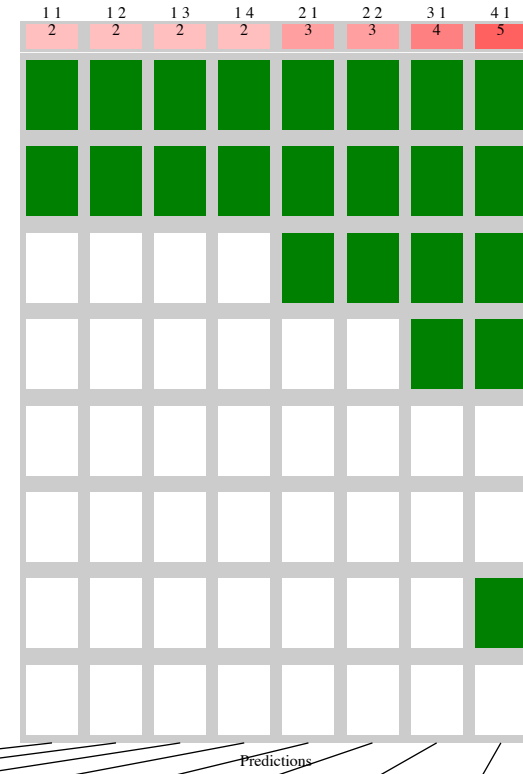
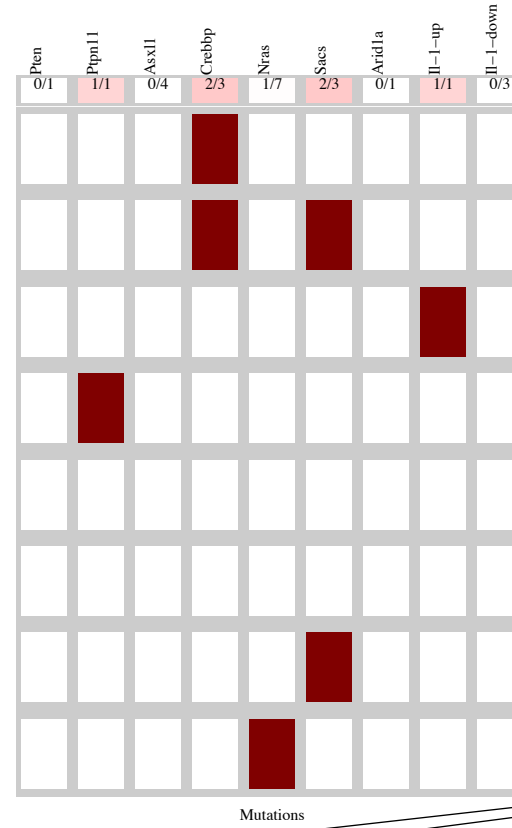
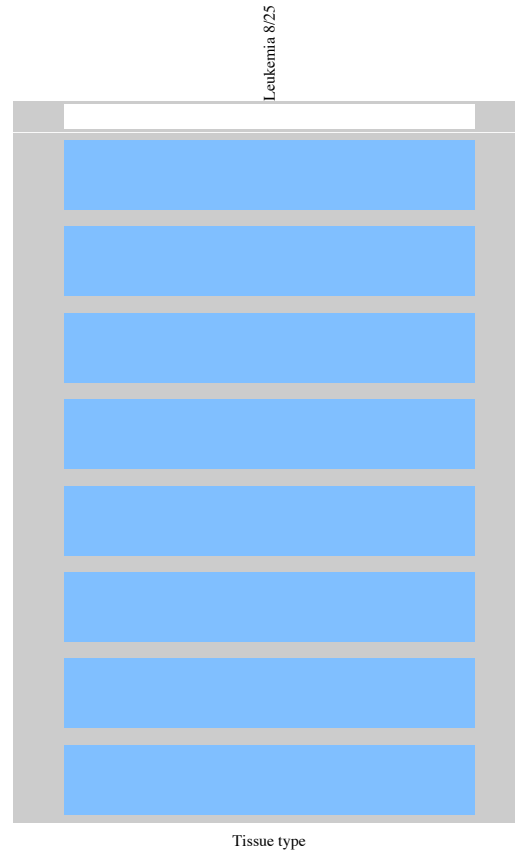
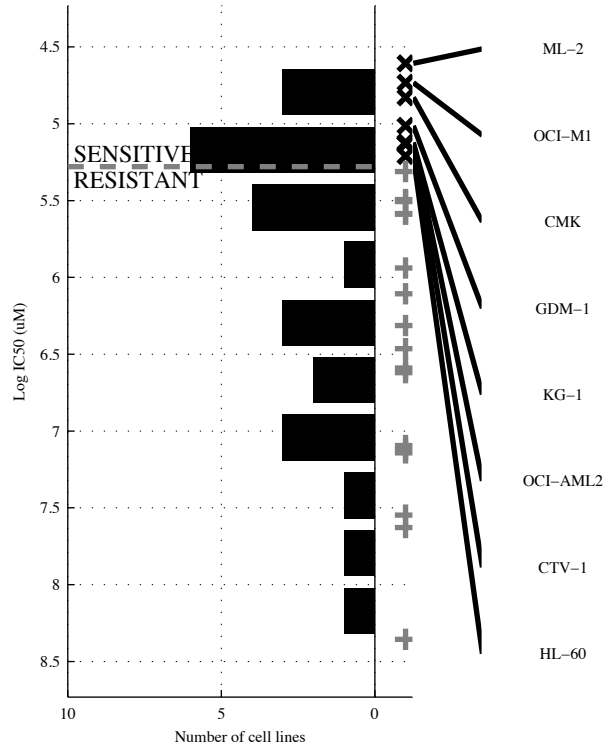


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>PTPN11</b>	<b>-TP53 &amp; JAK-ST</b>	<b>-TP53 &amp; TLR-U</b> <b>-H2O2-D</b>	<b>-CDKN2&amp; -TP53 &amp; -TLR-U</b> <b>&amp;H2O2-D</b>	<b>PTPN11   TET2</b>	<b>[ -CDKN2&amp; TET2 ]</b> <b> </b> <b>[ -TP53 &amp; JAK-ST ]</b>	<b>PTPN11   TET2  </b> <b>U2AF1</b>	<b>PTPN11   RUNX1-  </b> <b>TET2   U2AF1</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{9} \mid \frac{0}{16}$ 1 0.1	$\frac{3}{7} \mid \frac{2}{14}$ 0.88 0.6 0.3	$\frac{6}{4} \mid \frac{3}{13}$ 0.81 0.67 0.6	$\frac{6}{4} \mid \frac{2}{14}$ 0.88 0.75 0.6	$\frac{3}{7} \mid \frac{0}{16}$ 1 1 0.3	$\frac{4}{6} \mid \frac{2}{14}$ 0.88 0.67 0.4	$\frac{5}{5} \mid \frac{0}{16}$ 1 1 0.5	$\frac{6}{4} \mid \frac{0}{16}$ 1 1 0.6



LAML  
 id: 196 name: Phenformin  
 target: AAPK1 (AMPK) agonist class: metabolism

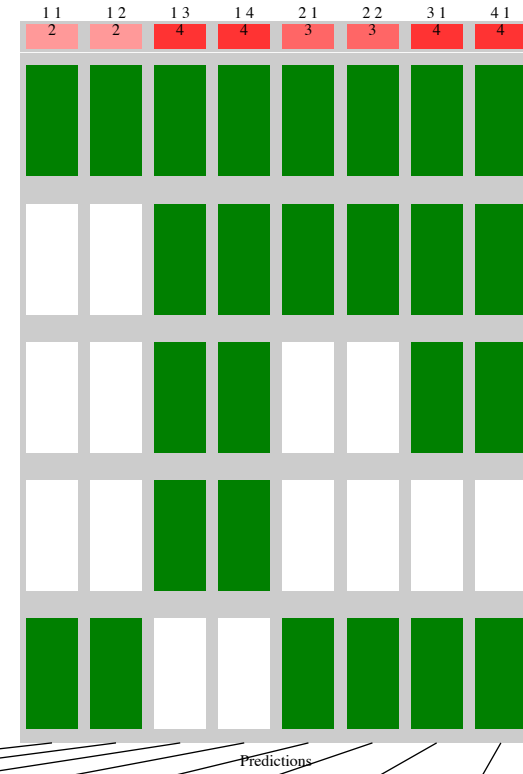
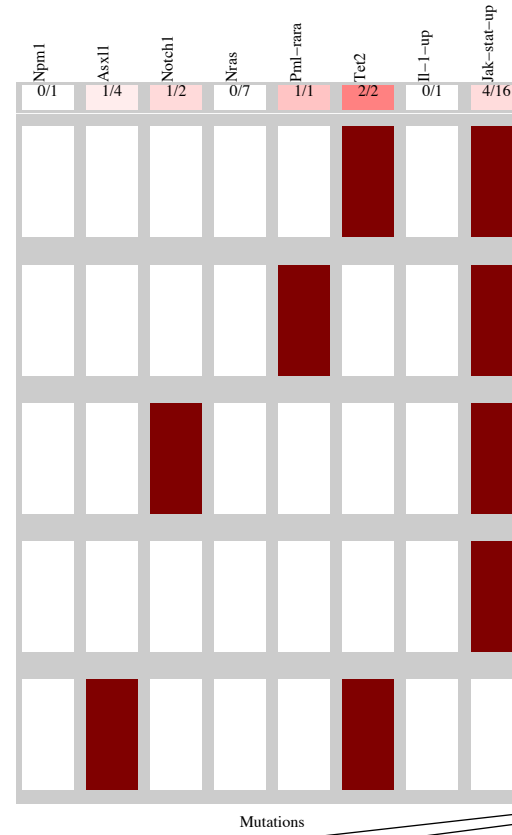
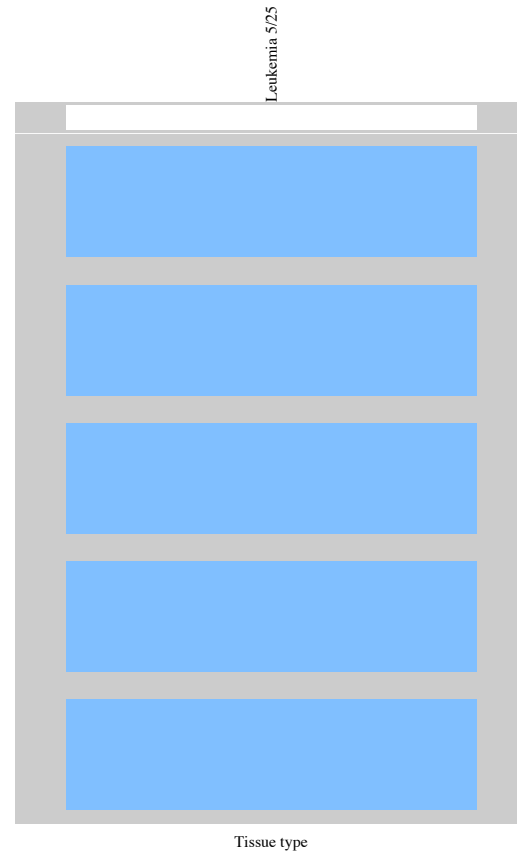
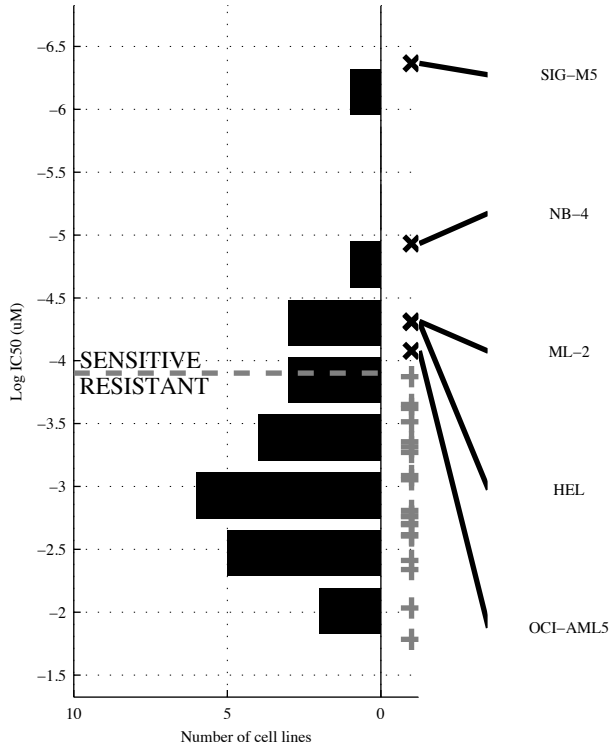
25 cell lines  
 8 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>CREBBP</b>	<b>CREBBP &amp; ARID1A</b>	<b>CREBBP &amp; -NRAS &amp; -IL-1-D</b>	<b>CREBBP &amp; -NRAS &amp; -ARID1A</b>	<b>CREBBP   IL-1-U</b>	<b>[ -PTEN &amp; CREBBP ]   [ -ASXL1 &amp; IL-1-U ]</b>	<b>PTPN11   CREBBP   IL-1-U</b>	<b>PTPN11   CREBBP   SACS   IL-1-U</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{2}{6} \mid \frac{1}{16}$ 0.94 0.67 0.25	$\frac{2}{6} \mid \frac{0}{17}$ 1 1 0.25	$\frac{2}{6} \mid \frac{0}{17}$ 1 1 0.25	$\frac{2}{6} \mid \frac{0}{17}$ 1 1 0.25	$\frac{3}{5} \mid \frac{1}{16}$ 0.94 0.75 0.38	$\frac{3}{5} \mid \frac{0}{17}$ 1 1 0.38	$\frac{4}{4} \mid \frac{1}{16}$ 0.94 0.8 0.5	$\frac{5}{3} \mid \frac{1}{16}$ 0.94 0.83 0.63

LAML  
 id: 197 name: Bryostatin 1  
 target: PRKC class: other

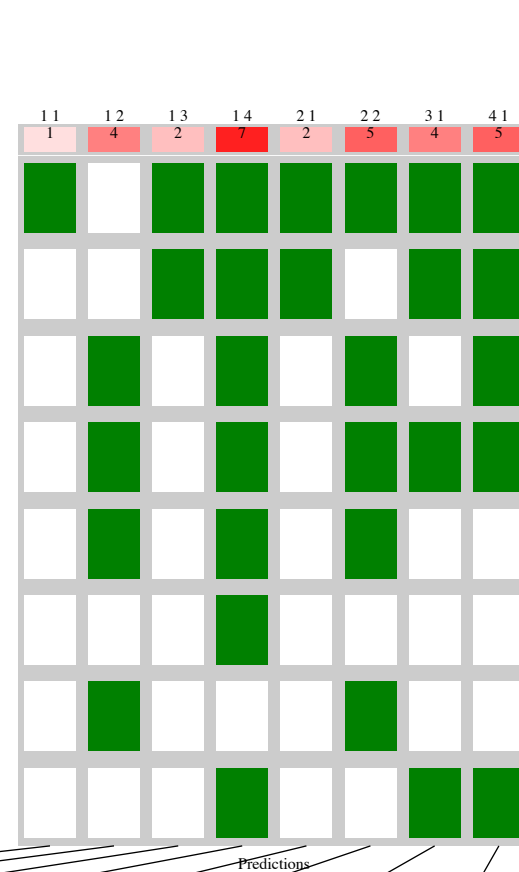
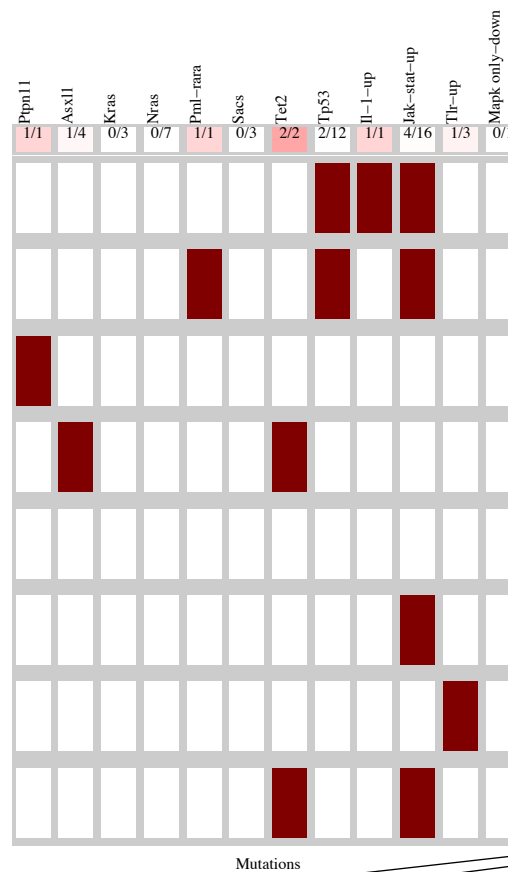
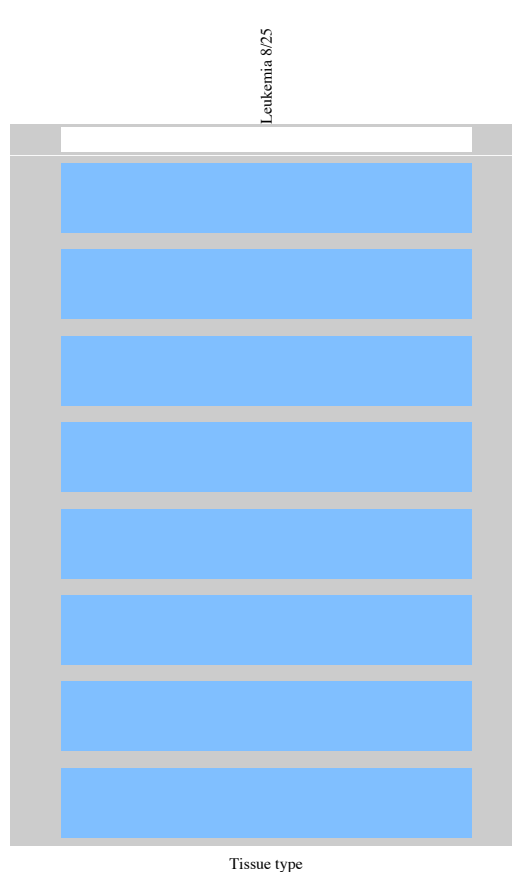
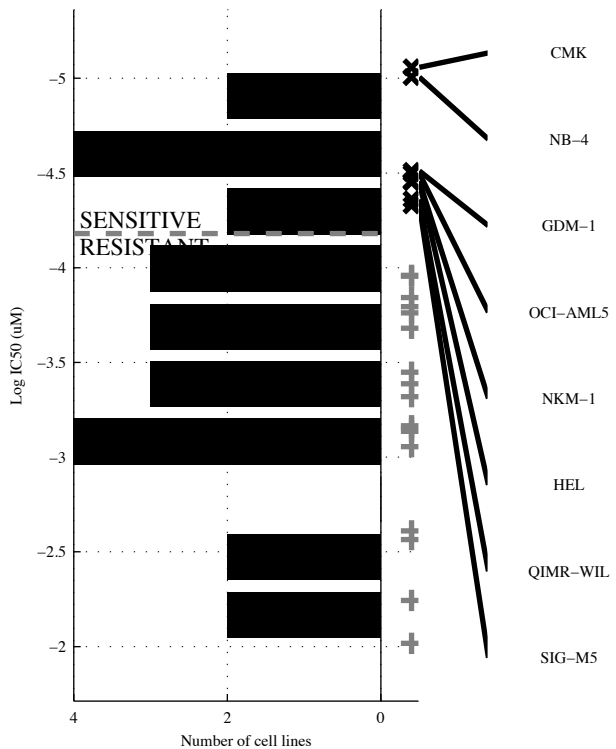
25 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>TET2</b>	<b>TET2 &amp;</b>	<b>-ASXL1 &amp; -NRAS &amp;</b> <b>JAK-ST</b>	<b>-ASXL1 &amp; -NRAS &amp;</b> <b>-IL-1-U &amp; JAK-ST</b>	<b>PML-RA TET2</b>	<b>[ -NPM1 &amp; TET2 ]</b> <b> </b> <b>[ -NPM1 &amp; PML-RA ]</b>	<b>NOTCH1 PML-RA</b> <b>TET2</b>	<b>NOTCH1 PML-RA</b> <b>TET2  </b>
TP   FP Specificity FN   TN Precision Recall	$\frac{2}{3} \mid \frac{0}{20}$ 1 0.4	$\frac{2}{3} \mid \frac{0}{20}$ 1 0.4	$\frac{4}{1} \mid \frac{4}{16}$ 0.8 0.5 0.8	$\frac{4}{1} \mid \frac{3}{17}$ 0.85 0.57 0.8	$\frac{3}{2} \mid \frac{0}{20}$ 1 0.6	$\frac{3}{2} \mid \frac{0}{20}$ 1 0.6	$\frac{4}{1} \mid \frac{1}{19}$ 0.95 0.8 0.8	$\frac{4}{1} \mid \frac{1}{19}$ 0.95 0.8 0.8

LAML  
 id: 200 name: LAQ824  
 target: HDAC class: chromain histone acetylation

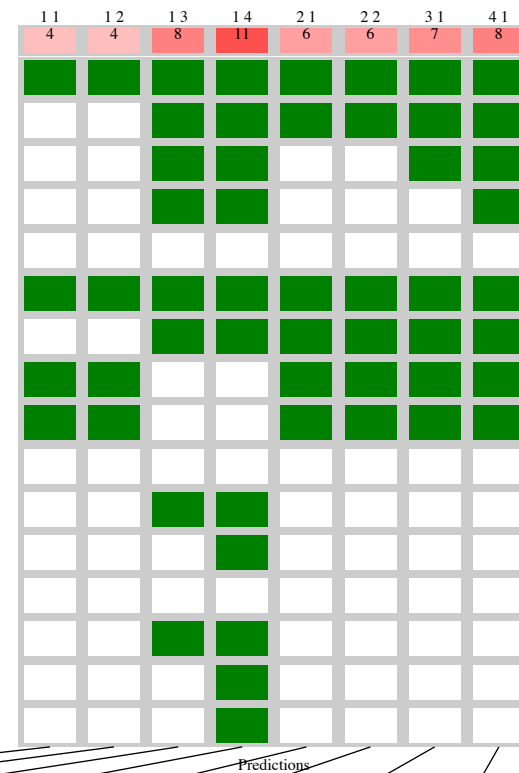
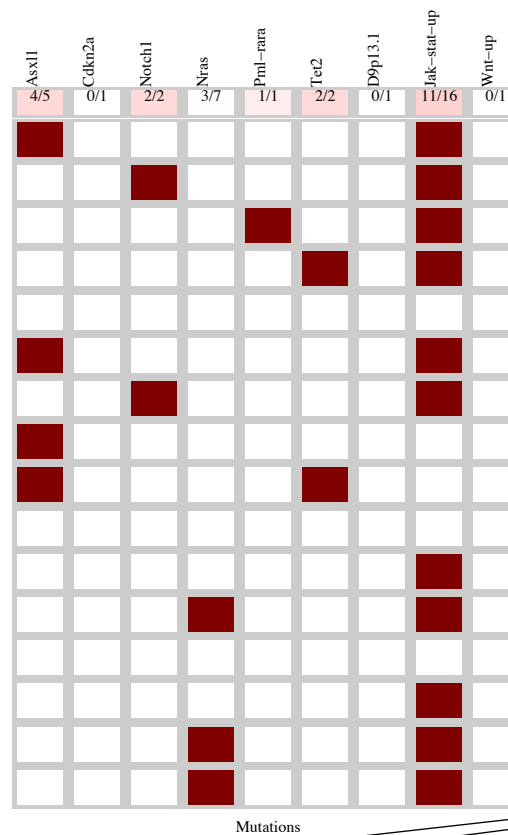
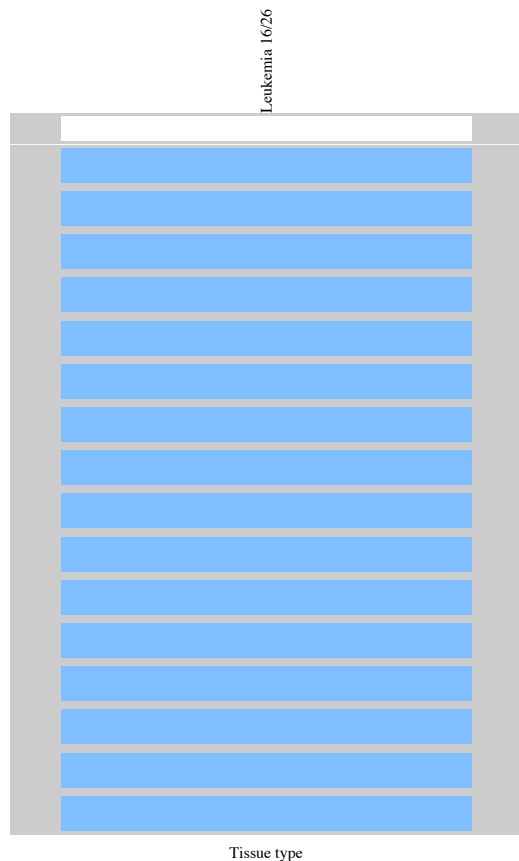
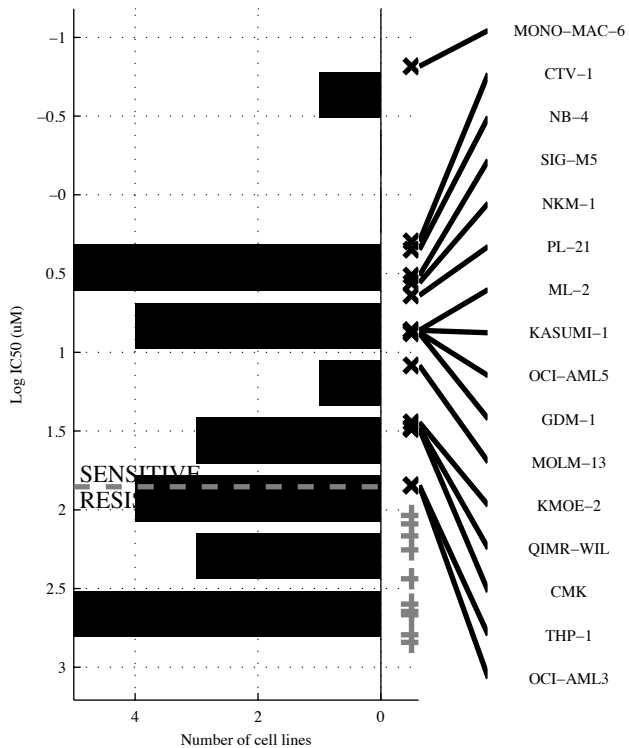
25 cell lines  
 8 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>IL-1-U</b>	<b>-TP53 &amp; JAK-ST</b>	<b>-ASXL1 &amp; -NRAS &amp; TP53</b>	<b>-KRAS &amp; -NRAS &amp; -SACS &amp; TLR-UP</b>	<b>PML-RA   IL-1-U</b>	<b>[ -TP53 &amp; JAK-ST ]   [ IL-1-U &amp; MAPK d ]</b>	<b>PML-RA   TET2   IL-1-U</b>	<b>PTPN11   PML-RA   TET2   IL-1-U</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{7} \mid \frac{0}{17}$ 1 0.13	$\frac{4}{4} \mid \frac{1}{16}$ 0.94 0.8 0.5	$\frac{2}{6} \mid \frac{2}{15}$ 0.88 0.5 0.25	$\frac{7}{1} \mid \frac{3}{14}$ 0.82 0.7 0.88	$\frac{2}{6} \mid \frac{0}{17}$ 1 0.25	$\frac{5}{3} \mid \frac{1}{16}$ 0.94 0.83 0.63	$\frac{4}{4} \mid \frac{0}{17}$ 1 0.5	$\frac{5}{3} \mid \frac{0}{17}$ 1 0.63

LAML  
 id: 203 name: BMS-345541  
 target: IKBKB class: other

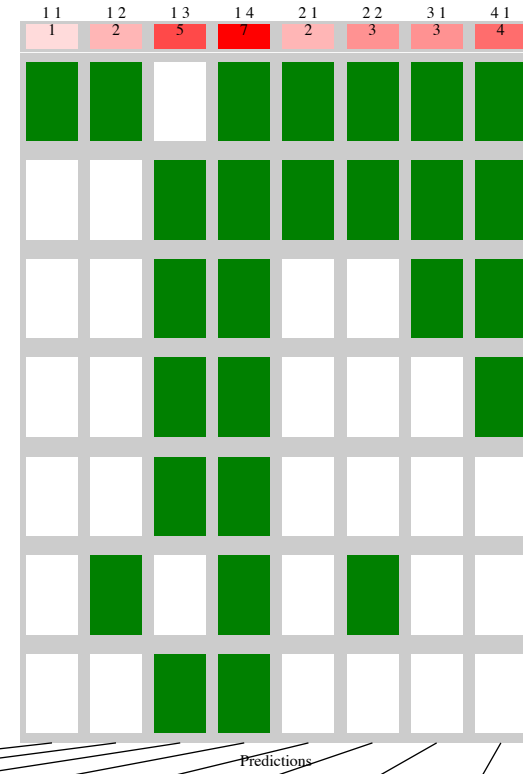
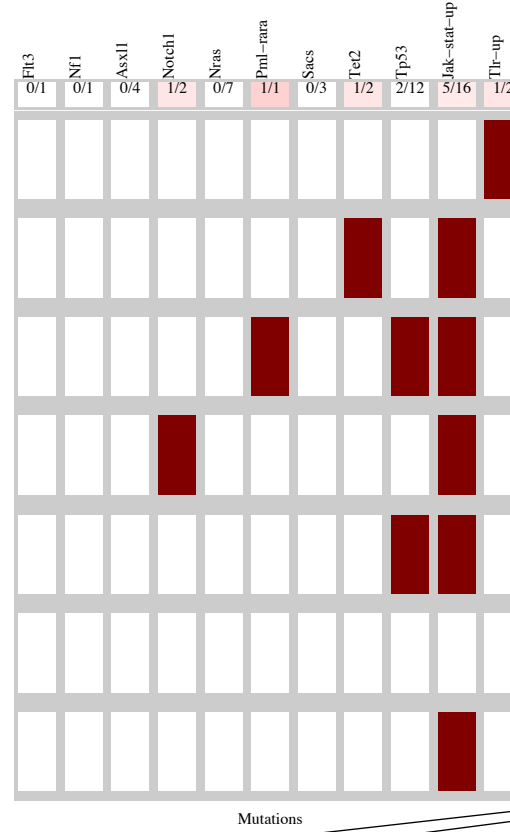
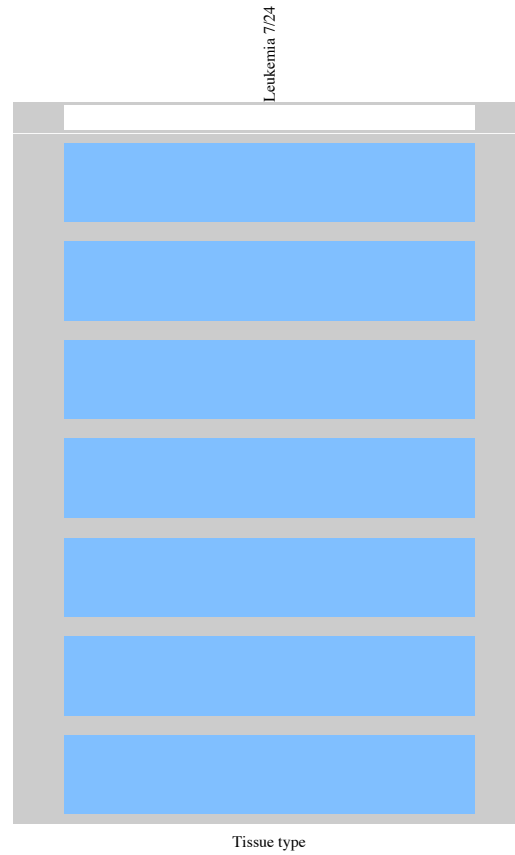
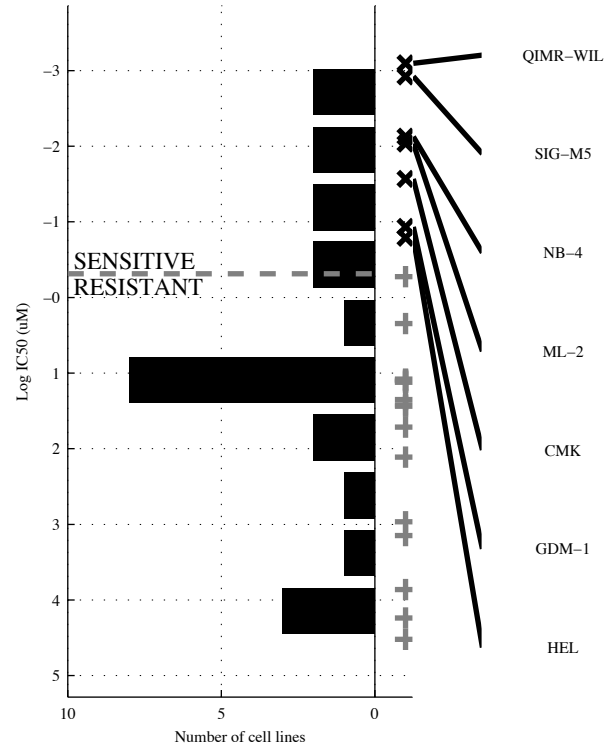
26 cell lines  
 16 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>ASXL1</b>	<b>ASXL1 &amp; -d9p13.</b>	<b>-NRAS &amp; -d9p13 &amp; JAK-ST</b>	<b>-CDKN2 &amp; -d9p13 &amp; JAK-ST &amp; Wnt-UP</b>	<b>ASXL1 NOTCH1</b>	<b>[NOTCH &amp; JAK-ST]   [ASXL1 &amp; -d9p13.]</b>	<b>ASXL1 NOTCH1   PML-RA</b>	<b>ASXL1 NOTCH1   PML-RA TET2</b>
TP   FP Specificity FN   TN Precision Recall	4   1 0.9 12   9 0.8 0.25	4   0 1 12   10 1 0.25	8   2 0.8 8   8 0.8 0.5	11   2 0.8 5   8 0.85 0.69	6   1 0.9 10   9 0.86 0.38	6   0 1 10   10 1 0.38	7   1 0.9 9   9 0.88 0.44	8   1 0.9 8   9 0.89 0.5

LAML  
 id: 204 name: Tipifarnib  
 target: Farnesyl-transferase (FNTA) class: other

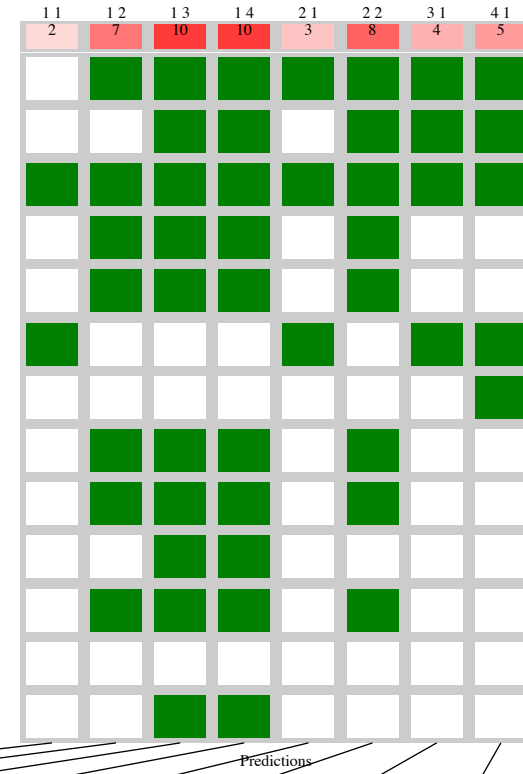
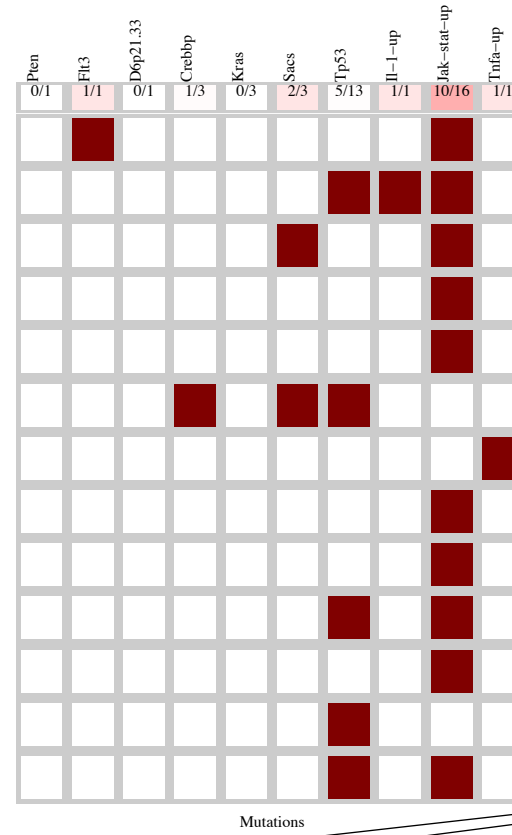
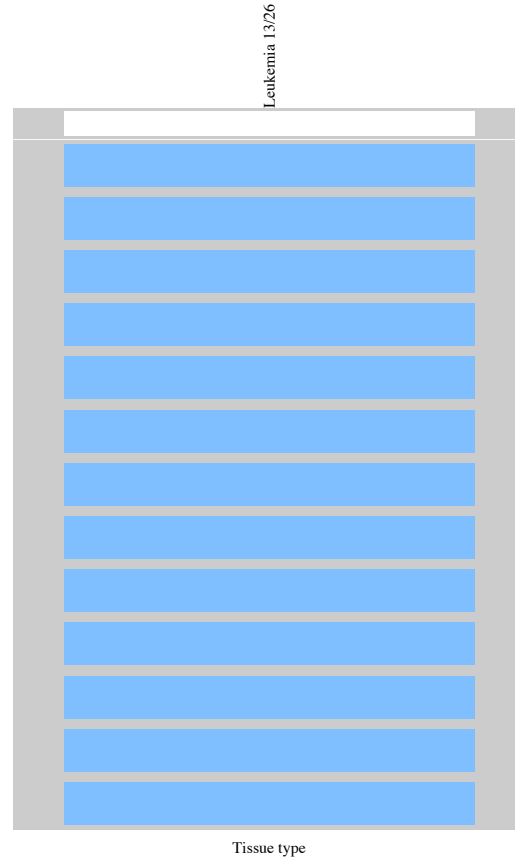
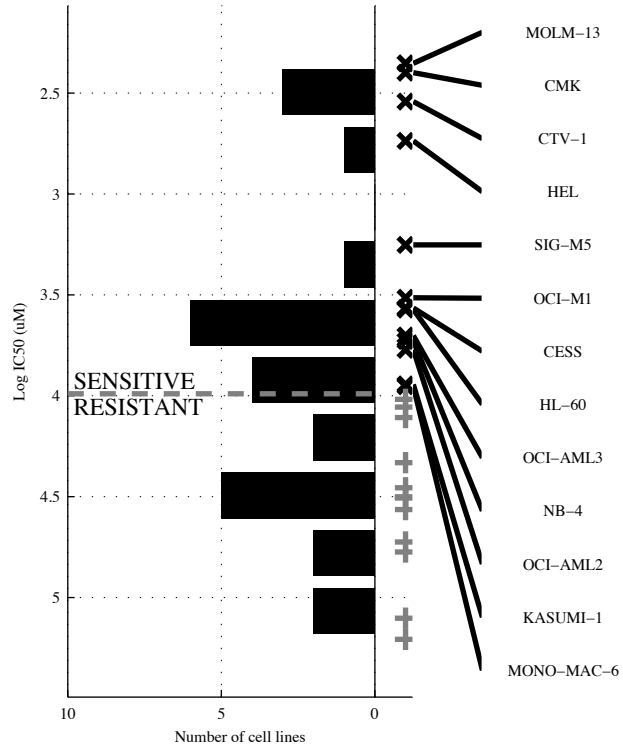
24 cell lines  
 7 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>TLR-UP</b>	<b>-TP53 &amp; JAK-ST</b>	<b>-ASXL1 &amp; -NRAS &amp; JAK-ST</b>	<b>-FLT3 &amp; -ASXL1 &amp; -NRAS &amp; -SACS</b>	<b>TET2   TLR-UP</b>	<b>[ -NF1 &amp; TET2 ]   [ -TP53 &amp; JAK-ST ]</b>	<b>PML-RA   TET2   TLR-UP</b>	<b>NOTCH1   PML-RA   TET2   TLR-UP</b>
TP   FP Specificity	1   1 0.94	2   2 0.88	5   3 0.82	7   3 0.82	2   2 0.88	3   2 0.88	3   2 0.88	4   3 0.82
FN   TN Precision	6   16 0.5	5   15 0.5	2   14 0.63	0   14 0.7	5   15 0.5	4   15 0.6	4   15 0.6	3   14 0.57
Recall	0.14	0.29	0.71	1	0.29	0.43	0.43	0.57

LAML  
 id: 205 name: BMS-708163  
 target: g-secretase class: other

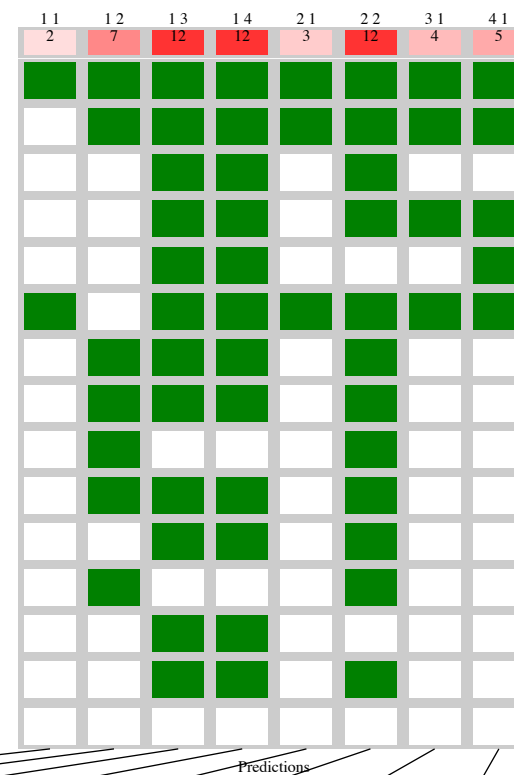
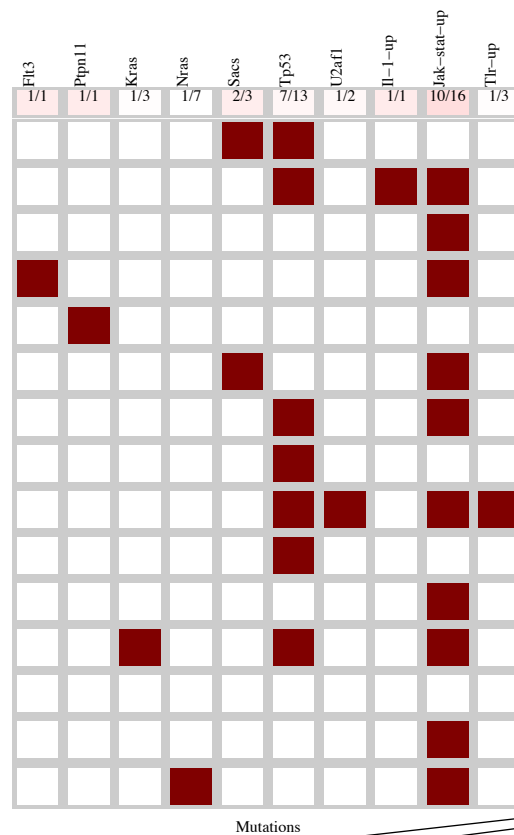
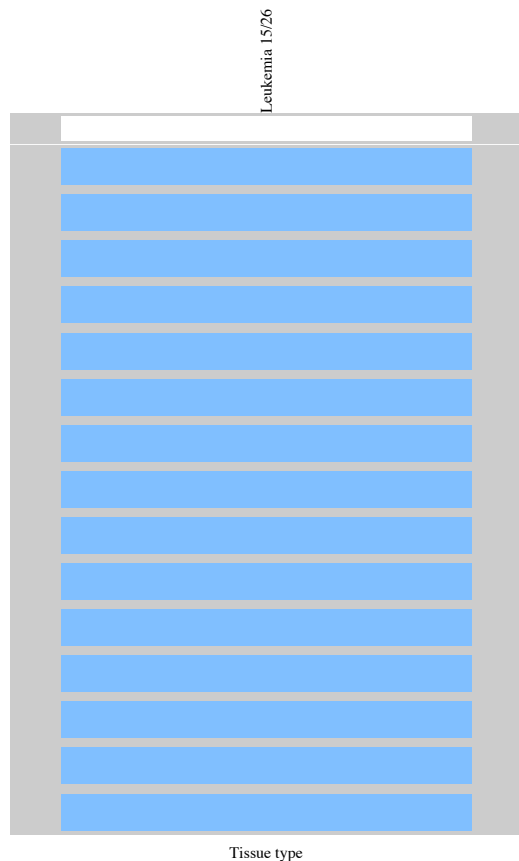
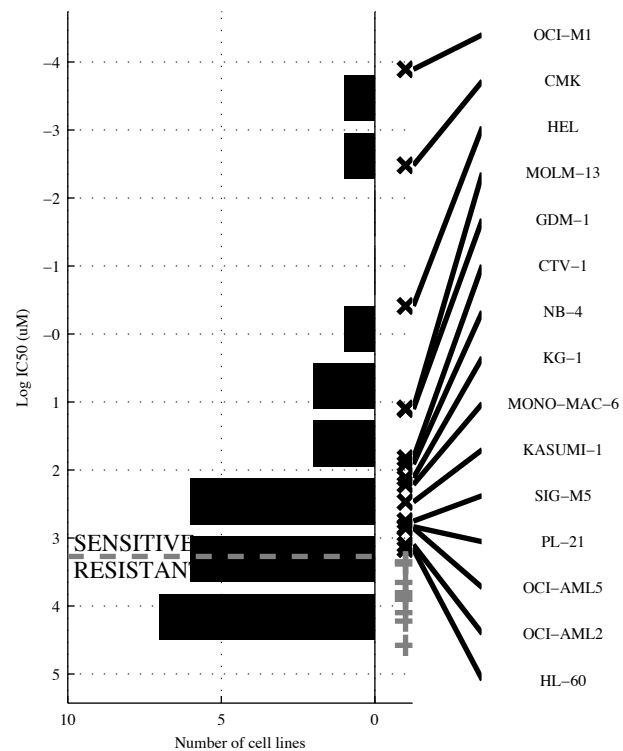
26 cell lines  
 13 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	M															
Logic formula	<b>SACS</b>		<b>-TP53 &amp; JAK-ST</b>		<b>-CREBBP &amp; -KRAS &amp; JAK-ST</b>		<b>-PTEN &amp; -d6p21 &amp; -KRAS &amp; JAK-ST</b>		<b>FLT3   SACS</b>		<b>[ IL-1-U &amp; ]   [ -TP53 &amp; JAK-ST ]</b>		<b>FLT3   SACS   IL-1-U</b>		<b>FLT3   SACS   IL-1-U   TNFa-U</b>	
TP   FP FN   TN	2   1 11   12	0.92 0.67 0.15	7   1 6   12	0.92 0.88 0.54	10   2 3   11	0.85 0.83 0.77	10   1 3   12	0.92 0.91 0.77	3   1 10   12	0.92 0.75 0.23	8   1 5   12	0.92 0.89 0.62	4   1 9   12	0.92 0.8 0.31	5   1 8   12	0.92 0.83 0.38

LAML  
 id: 206 name: Ruxolitinib  
 target: JAK1, JAK2, TYK2 class: other

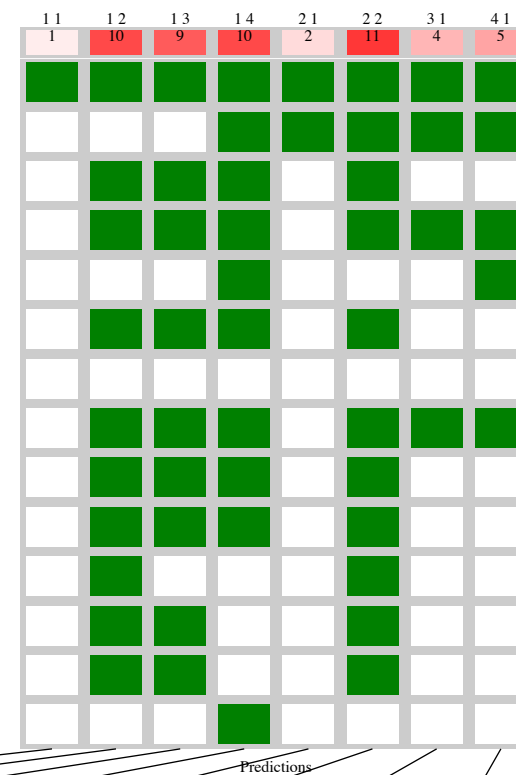
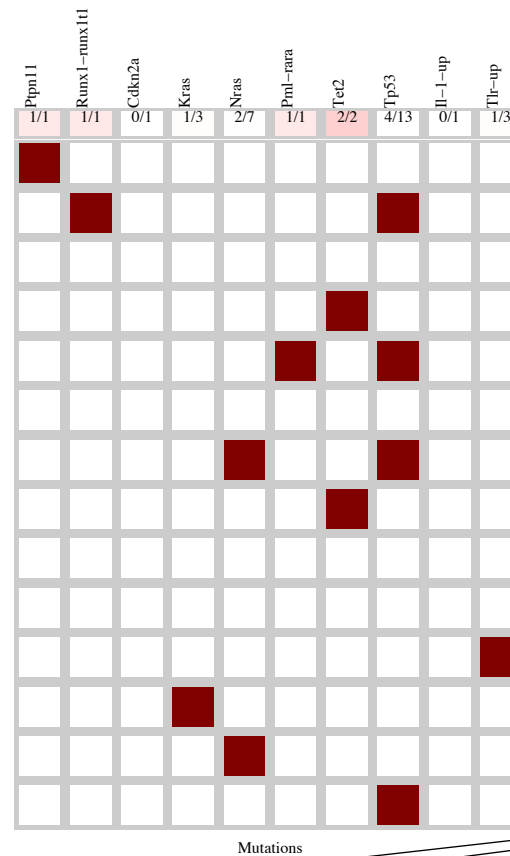
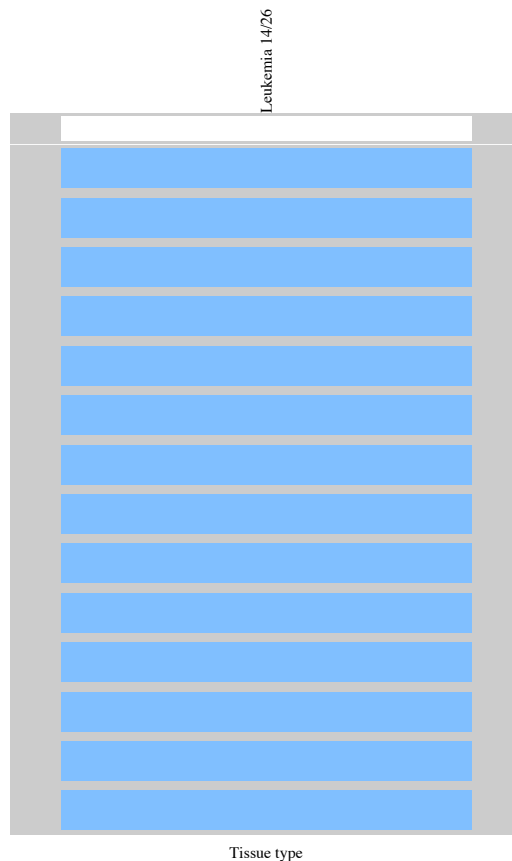
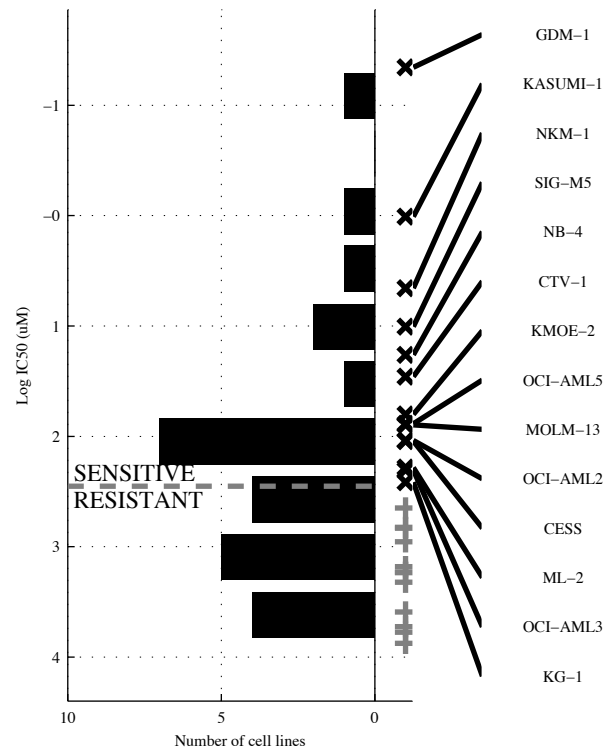
26 cell lines  
 15 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>SACS</b>	<b>-NRAS &amp; TP53</b>	<b>-KRAS &amp; -NRAS &amp; -U2AF1</b>	<b>-KRAS &amp; -NRAS &amp; -U2AF1 &amp; TLR-UP</b>	<b>SACS   IL-1-U</b>	<b>[ -NRAS &amp; JAK-ST ]   [ -NRAS &amp; TP53 ]</b>	<b>FLT3   SACS   IL-1-U</b>	<b>FLT3   PTPN11   SACS   IL-1-U</b>
TP   FP Specificity	2   1 0.91	7   1 0.91	12   2 0.82	12   0 1	3   1 0.91	12   2 0.82	4   1 0.91	5   1 0.91
FN   TN Precision	13   10 0.67	8   10 0.88	3   9 0.86	3   11 1	12   10 0.75	3   9 0.86	11   10 0.8	10   10 0.83
Recall	0.13	0.47	0.8	0.8	0.2	0.8	0.27	0.33

LAML  
 id: 211 name: TL-2-105  
 target: CRAF class: ERK MAPK signaling

26 cell lines  
 14 sensitive

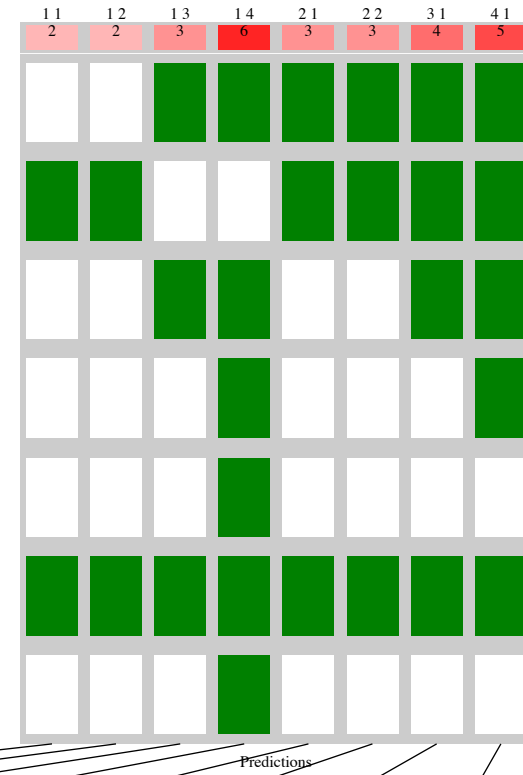
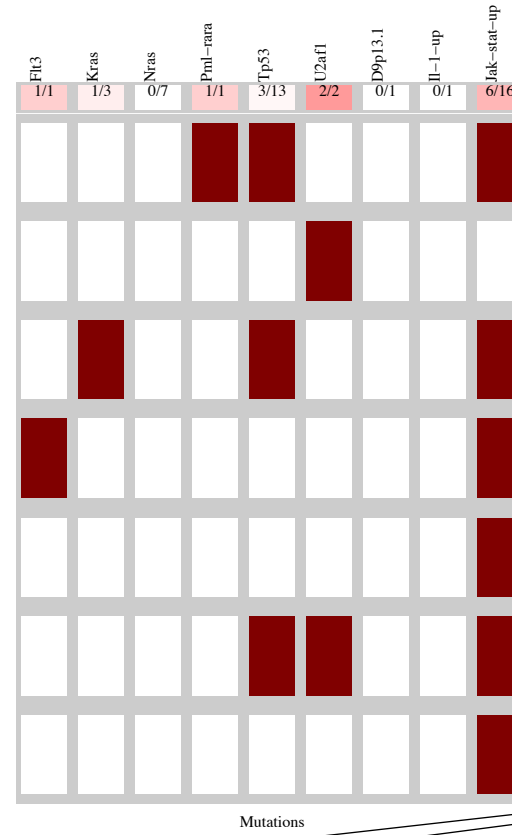
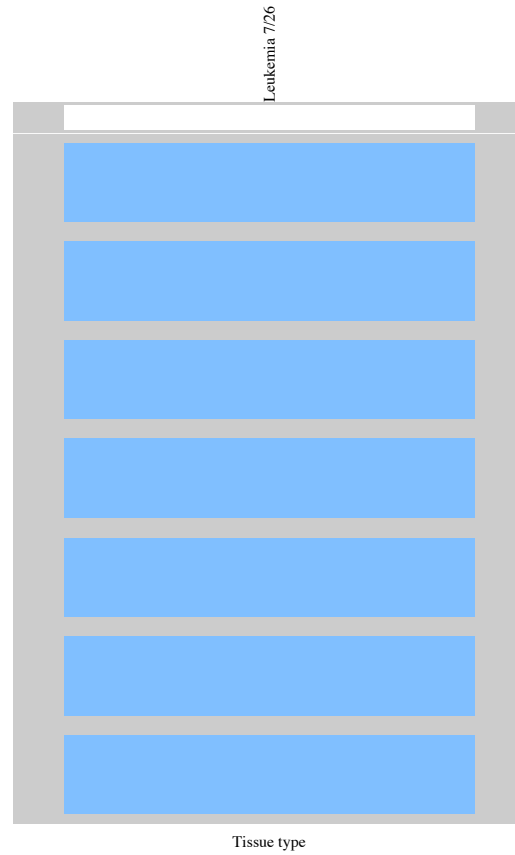
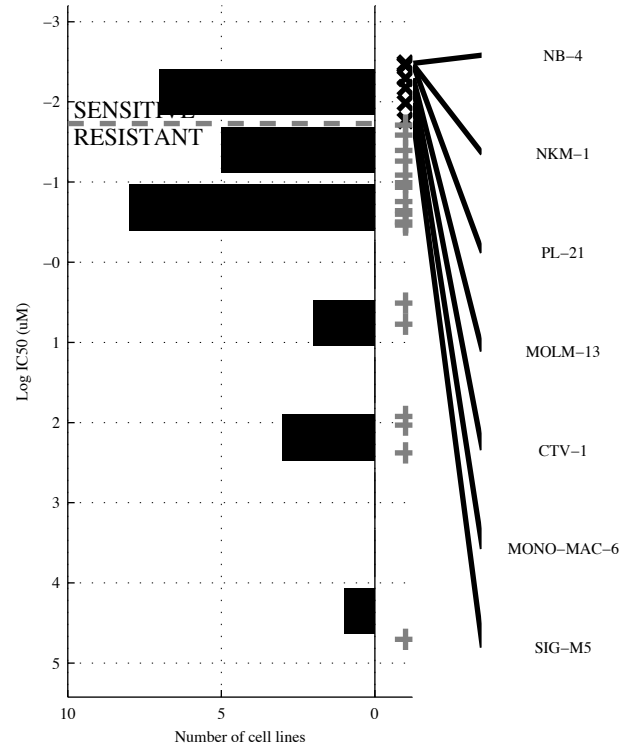


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>PTPN11</b>	<b>-CDKN2&amp; -TP53</b>	<b>-CDKN2&amp; -TP53 &amp; -TLR-UP</b>	<b>-KRAS&amp; -NRAS&amp; -IL-1-&amp;TLR-UP</b>	<b>PTPN11   RUNX1-</b>	<b>[CDKN2&amp; -TP53 ]   [RUNX1-&amp; ]</b>	<b>PTPN11   RUNX1-   TET2</b>	<b>PTPN11   RUNX1-   PML-RA   TET2</b>
TP   FP	1   0	10   2	9   1	10   2	2   0	11   2	4   0	5   0
FN   TN	13   12	4   10	5   11	4   10	12   12	3   10	10   12	9   12
Specificity	1	0.83	0.92	0.83	1	0.83	1	1
Precision	1	0.83	0.9	0.83	1	0.85	1	1
Recall	0.071	0.71	0.64	0.71	0.14	0.79	0.29	0.36



LAML  
 id: 219 name: AT-7519  
 target: CDK9 class: cell cycle

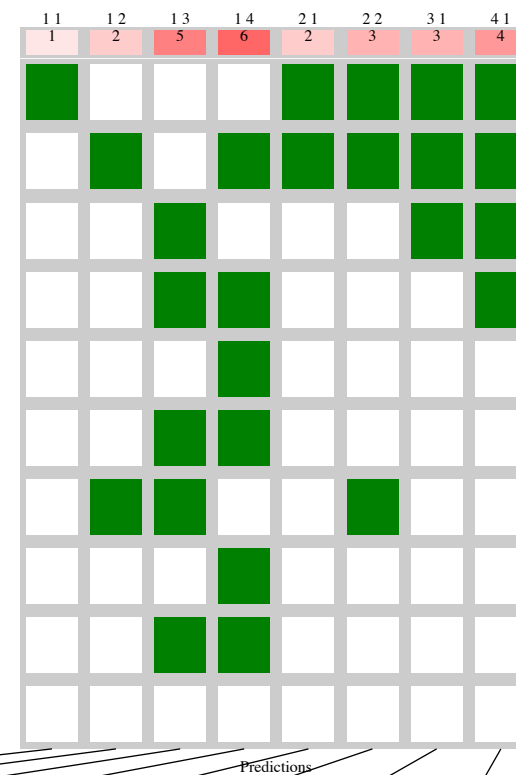
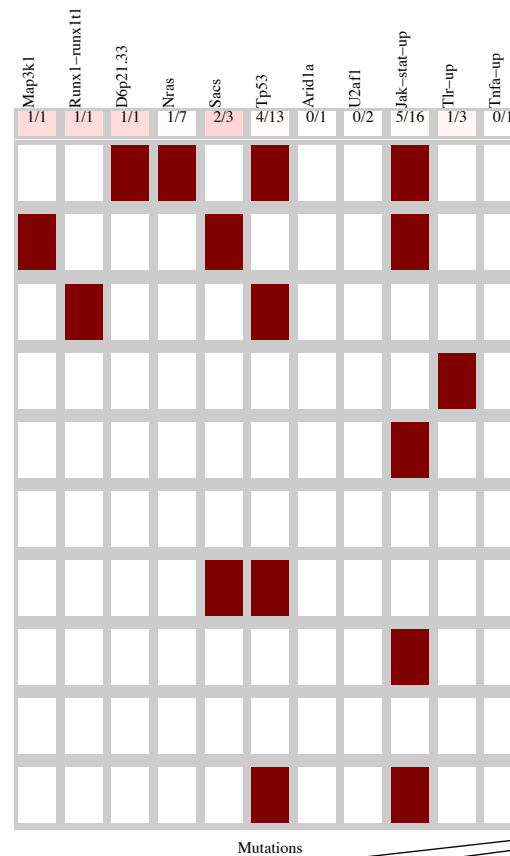
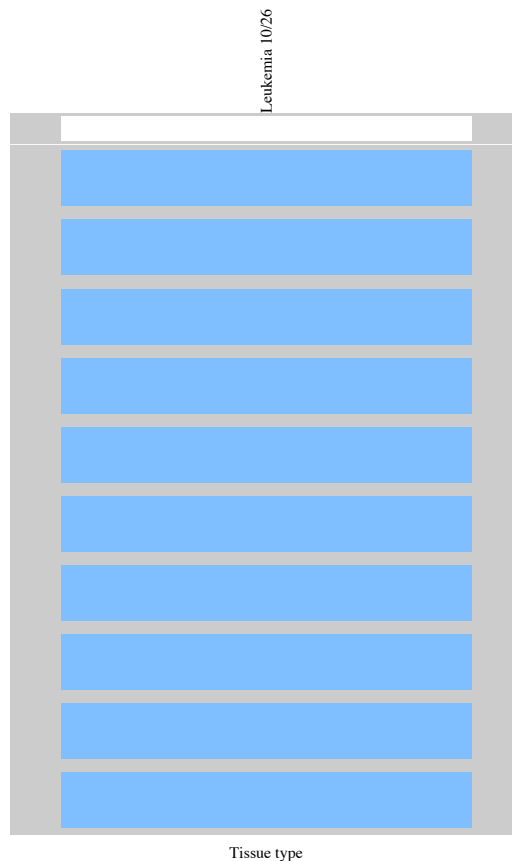
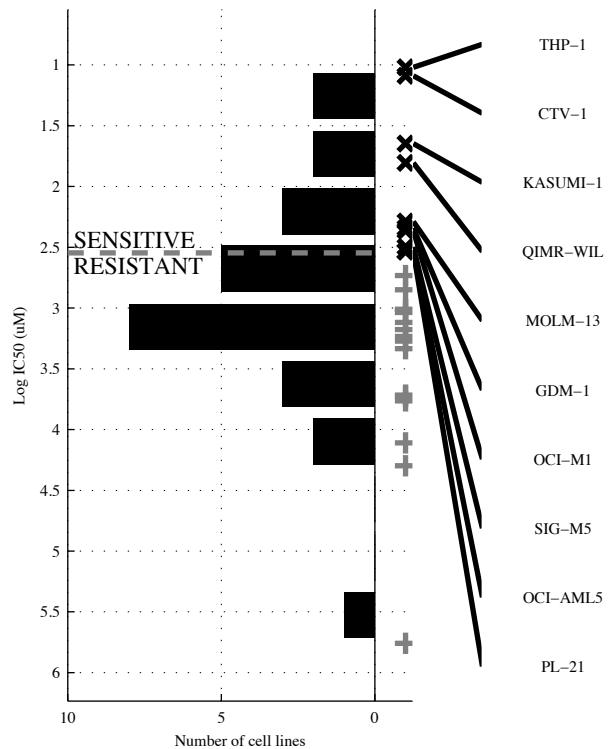
26 cell lines  
 7 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>U2AF1</b>		<b>U2AF1 &amp;</b>		<b>~NRAS &amp; TP53 &amp;</b> <b>JAK-ST</b>		<b>~NRAS &amp; ~d9p13.1 &amp;</b> <b>~IL-1-U &amp; JAK-ST</b>		<b>PML-RA   U2AF1</b>		<b>[ PML-RA &amp; ]</b> <b>[ ~KRAS &amp; U2AF1 ]</b>		<b>KRAS PML-RA</b> <b>U2AF1</b>		<b>FLT3   KRAS  </b> <b>PML-RA   U2AF1</b>	
TP   FP Specificity	2   0	1	2   0	1	3   2	0.89	6   3	0.84	3   0	1	3   0	1	4   2	0.89	5   2	0.89
FN   TN Precision	5   19	1	5   19	1	4   17	0.6	1   16	0.67	4   19	1	4   19	1	3   17	0.67	2   17	0.71
Recall	0.29		0.29		0.43		0.86		0.43		0.43		0.57		0.71	

LAML  
 id: 221 name: TAK-715  
 target: p38a class: JNK and p38 signaling

26 cell lines  
 10 sensitive

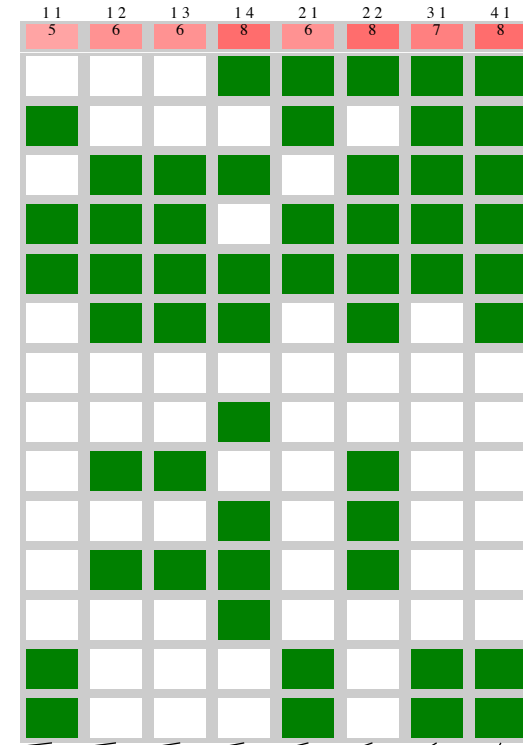
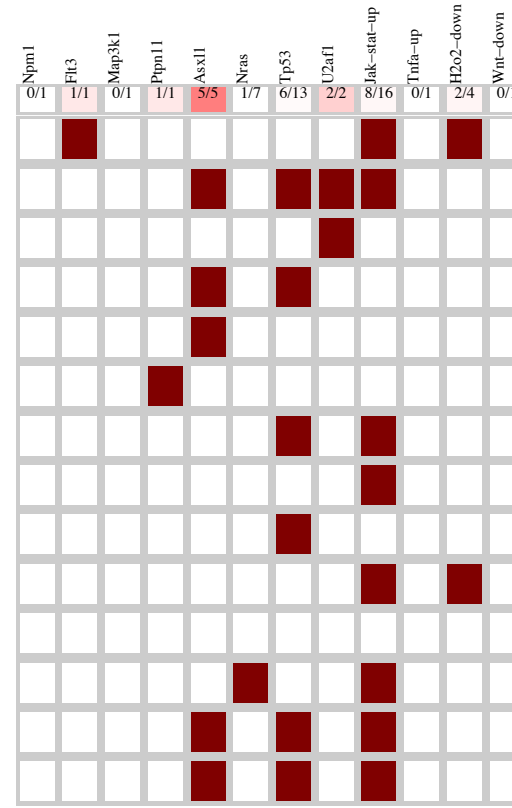
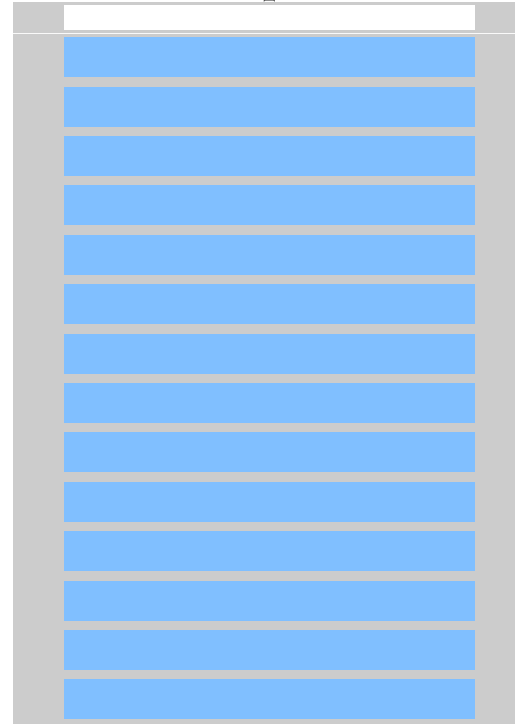
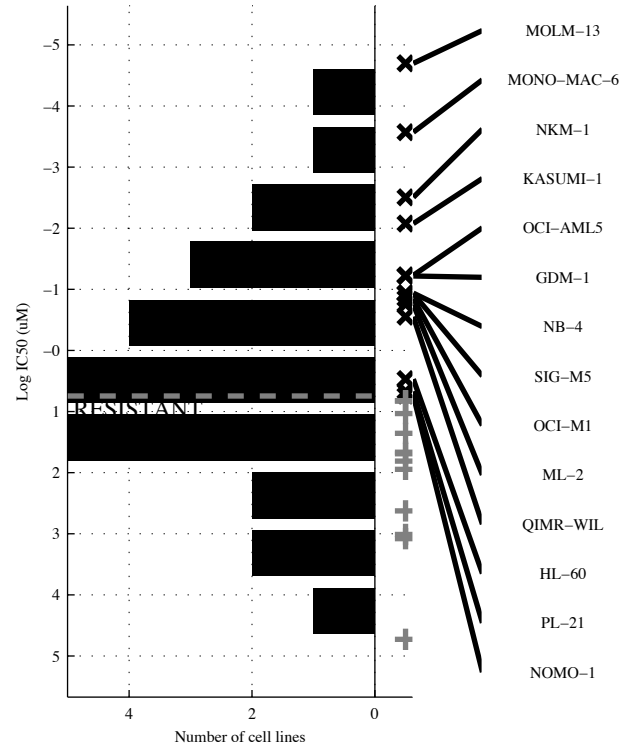


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d6p21.</b>	<b>SACS &amp; ARID1A</b>	<b>¬NRAS &amp; ¬U2AF1 &amp; ¬JAK-ST</b>	<b>¬NRAS &amp; ¬TP53 &amp; ¬U2AF1 &amp; TNFa-U</b>	<b>MAP3K1I d6p21.</b>	<b>[ ¬NRAS &amp; SACS ]   [ d6p21. &amp; ]</b>	<b>MAP3K1IRUNX1-I   d6p21.</b>	<b>MAP3K1IRUNX1-I   d6p21.   TLR-UP</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{9} \mid \frac{0}{16}$ 1 0.1	$\frac{2}{8} \mid \frac{0}{16}$ 1 0.2	$\frac{5}{5} \mid \frac{2}{14}$ 0.88 0.71 0.5	$\frac{6}{4} \mid \frac{3}{13}$ 0.81 0.67 0.6	$\frac{2}{8} \mid \frac{0}{16}$ 1 0.2	$\frac{3}{7} \mid \frac{0}{16}$ 1 0.3	$\frac{3}{7} \mid \frac{0}{16}$ 1 0.3	$\frac{4}{6} \mid \frac{2}{14}$ 0.88 0.67 0.4

LAML  
 id: 222 name: BX-912  
 target: PDPK1 (PDK1) class: PI3K signaling

26 cell lines  
 14 sensitive

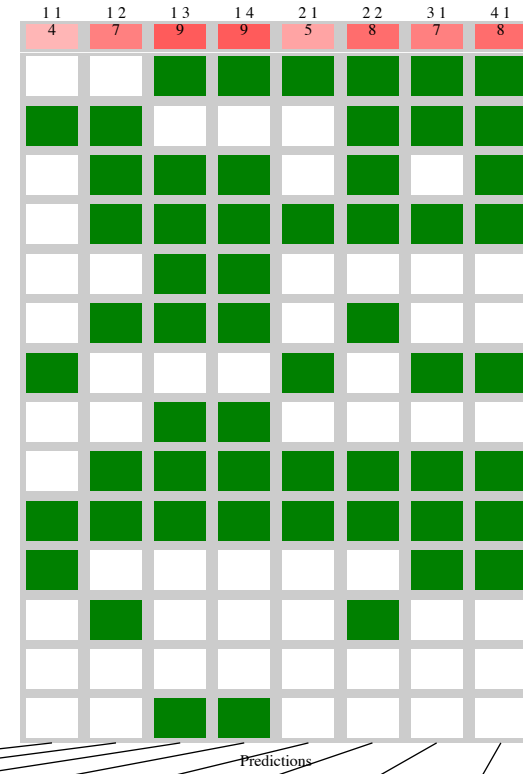
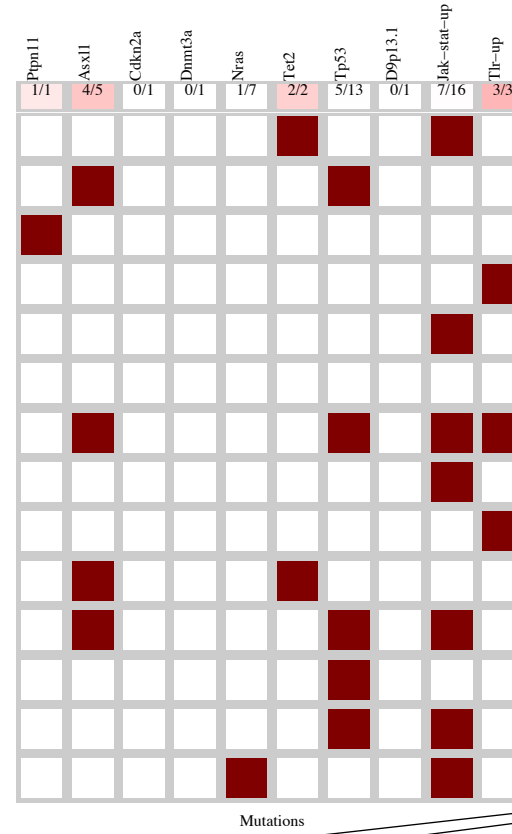
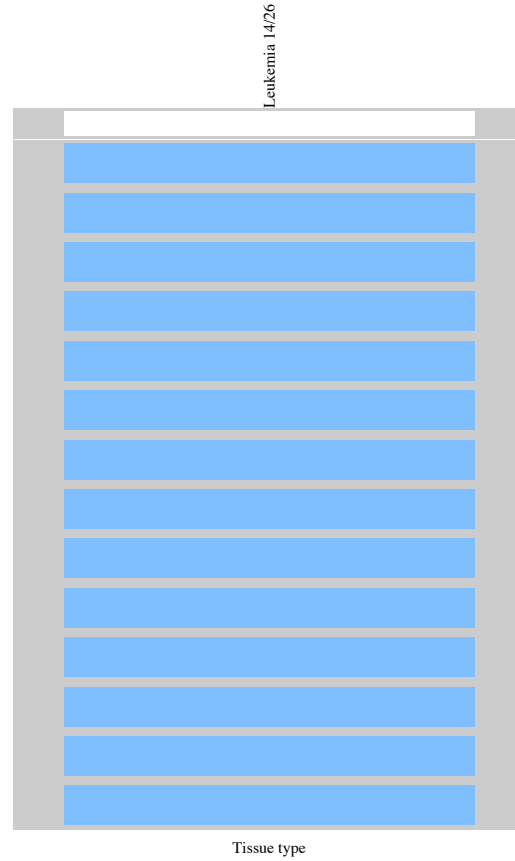
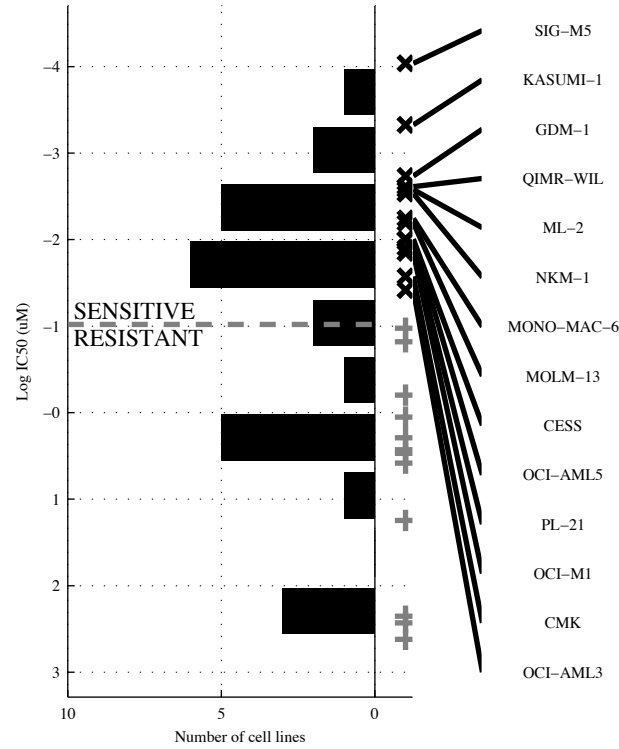
Leukemia 14/26



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>ASXL1</b>	<b>-NRAS &amp; JAK-ST</b>	<b>-NRAS &amp; JAK-ST &amp; -TNFa-U</b>	<b>-NPM1 &amp; MAP3K &amp; -TP53 &amp; Wnt-DO</b>	<b>FLT3   ASXL1</b>	<b>[ -NRAS &amp; JAK-ST ]   [ -TP53 &amp; H2O2-D ]</b>	<b>FLT3   ASXL1   U2AF1</b>	<b>FLT3   PTPN11   ASXL1   U2AF1</b>
TP   FP	5   0	6   2	6   1	8   2	6   0	8   2	7   0	8   0
Specificity	1	0.83	0.92	0.83	1	0.83	1	1
FN   TN	9   12	8   10	8   11	6   10	8   12	6   10	7   12	6   12
Precision	1	0.75	0.86	0.8	1	0.8	1	1
Recall	0.36	0.43	0.43	0.57	0.43	0.57	0.5	0.57

LAML  
 id: 223 name: ZSTK474  
 target: PI3K class: PI3K signaling

26 cell lines  
 14 sensitive

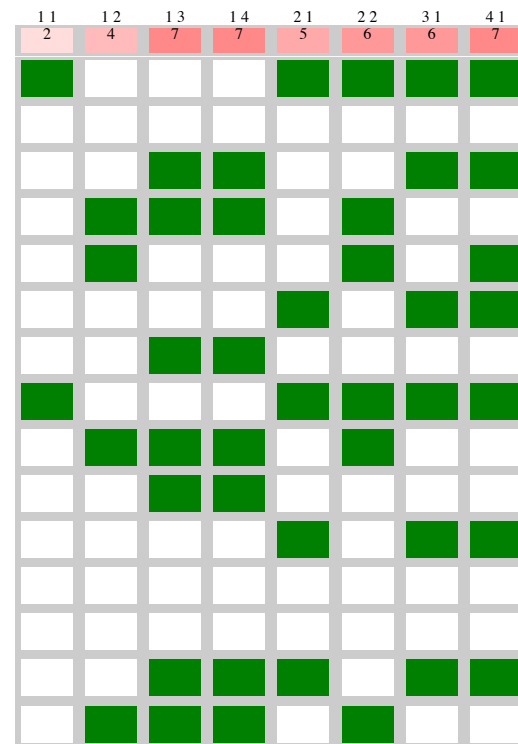
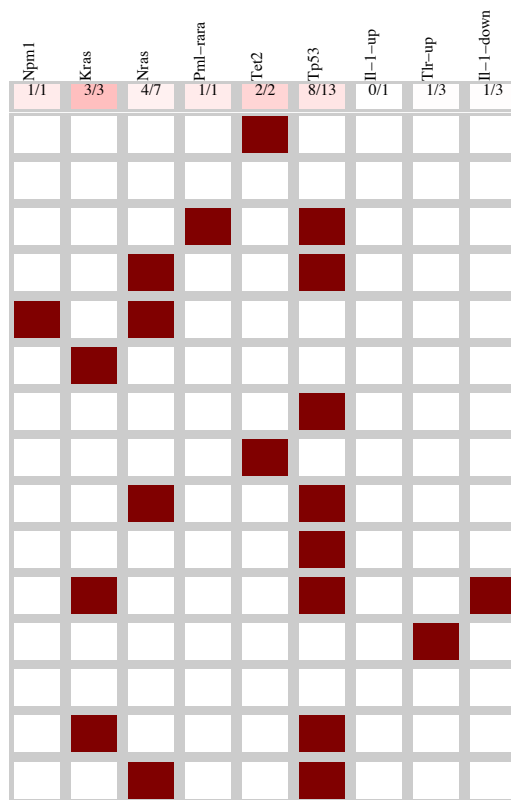
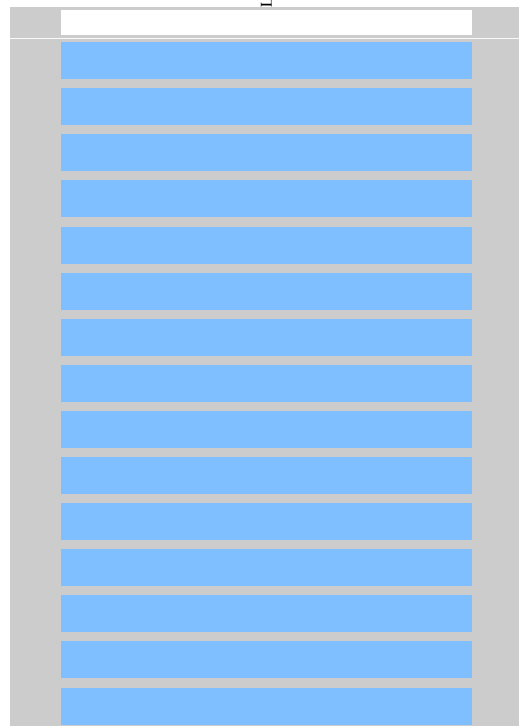
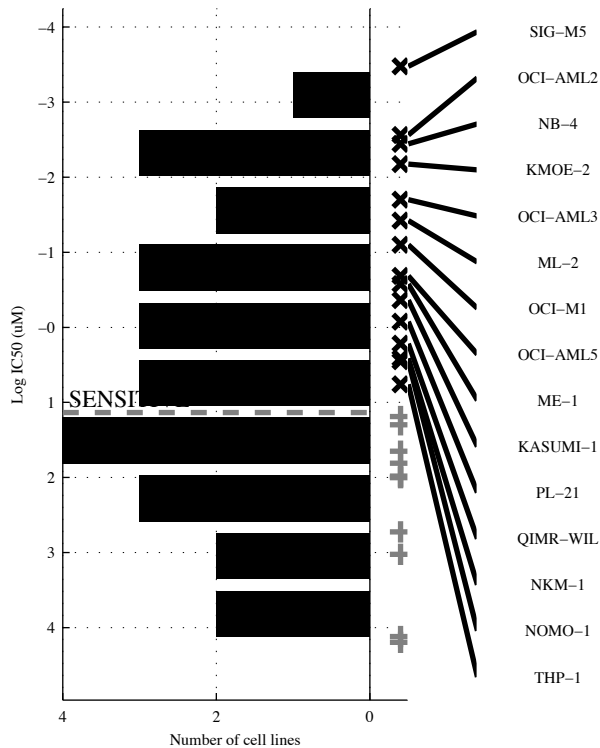


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>ASXL1</b>	<b>-NRAS &amp; JAK-ST</b>	<b>-CDKN2A &amp; DNMT3A &amp; -TP53</b>	<b>-CDKN2A &amp; DNMT3A &amp; -TP53 &amp; -d9p13.</b>	<b>TET2   TLR-UP</b>	<b>[ TET2 &amp; ]   [ -NRAS &amp; JAK-ST ]</b>	<b>ASXL1   TET2   TLR-UP</b>	<b>PTPN11   ASXL1   TET2   TLR-UP</b>
TP   FP Specificity	4   1 0.92	7   1 0.92	9   2 0.83	9   2 0.83	5   0 1	8   1 0.92	7   1 0.92	8   1 0.92
FN   TN Precision	10   11 0.8	7   11 0.88	5   10 0.82	5   10 0.82	9   12 1	6   11 0.89	7   11 0.88	6   11 0.89
Recall	0.29	0.5	0.64	0.64	0.36	0.57	0.5	0.57

LAML  
 id: 224 name: AS605240  
 target: PI3Kgamma class: PI3K signaling

26 cell lines  
 15 sensitive

Leukemia 15/26

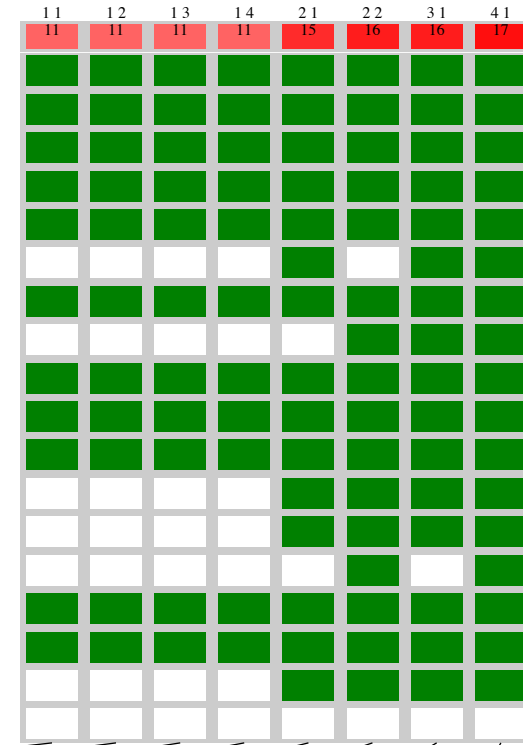
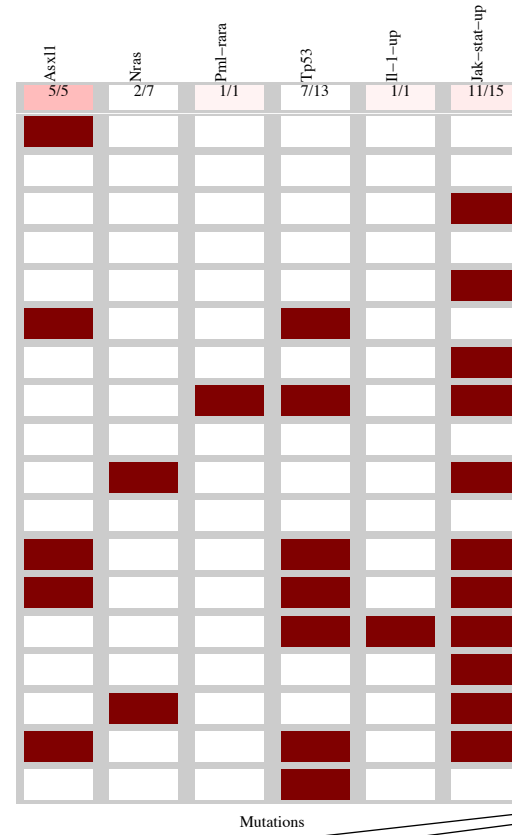
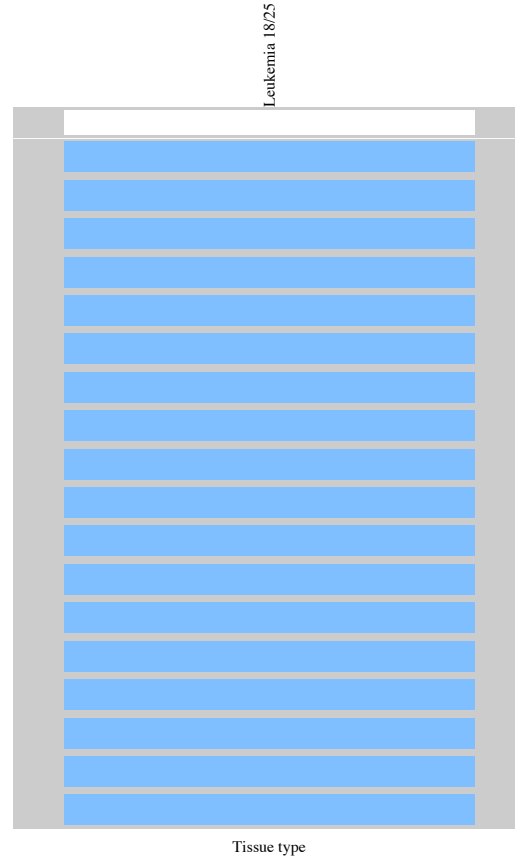
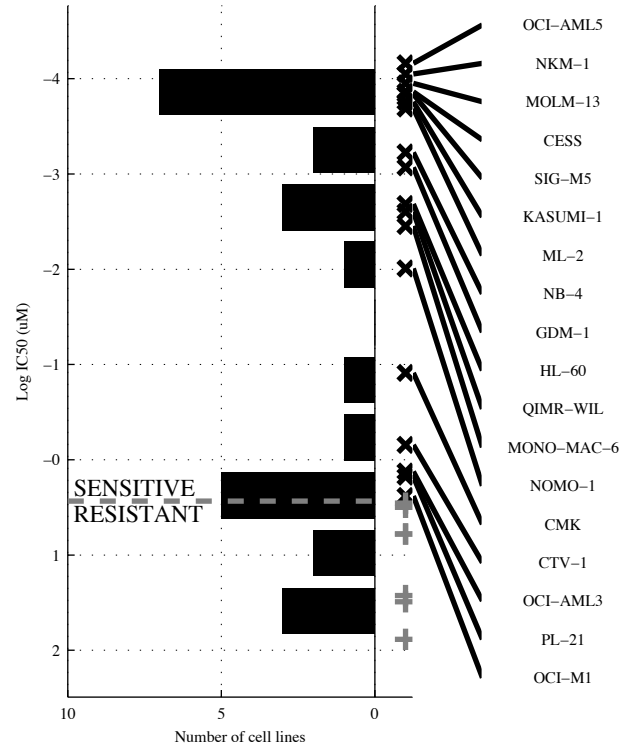


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>TET2</b>	<b>NRAS &amp; -IL-1-D</b>	<b>TP53 &amp; TLR-U &amp; -IL-1-D</b>	<b>TP53 &amp; -IL-1-U &amp; -TLR-U &amp; -IL-1-D</b>	<b>KRAS   TET2</b>	<b>[ -NPM1 &amp; TET2 ]   [ NRAS &amp; -IL-1-D ]</b>	<b>KRAS PML-RA   TET2</b>	<b>NPM1   KRAS   PML-RA   TET2</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{2}{13} \mid \frac{0}{11} \quad \begin{matrix} 1 \\ 1 \\ 0.13 \end{matrix}$	$\frac{4}{11} \mid \frac{1}{10} \quad \begin{matrix} 0.91 \\ 0.8 \\ 0.27 \end{matrix}$	$\frac{7}{8} \mid \frac{2}{9} \quad \begin{matrix} 0.82 \\ 0.78 \\ 0.47 \end{matrix}$	$\frac{7}{8} \mid \frac{1}{10} \quad \begin{matrix} 0.91 \\ 0.88 \\ 0.47 \end{matrix}$	$\frac{5}{10} \mid \frac{0}{11} \quad \begin{matrix} 1 \\ 1 \\ 0.33 \end{matrix}$	$\frac{6}{9} \mid \frac{1}{10} \quad \begin{matrix} 0.91 \\ 0.86 \\ 0.4 \end{matrix}$	$\frac{6}{9} \mid \frac{0}{11} \quad \begin{matrix} 1 \\ 1 \\ 0.4 \end{matrix}$	$\frac{7}{8} \mid \frac{0}{11} \quad \begin{matrix} 1 \\ 1 \\ 0.47 \end{matrix}$



LAML  
 id: 226 name: GSK1070916  
 target: AURKB class: mitosis

25 cell lines  
 18 sensitive

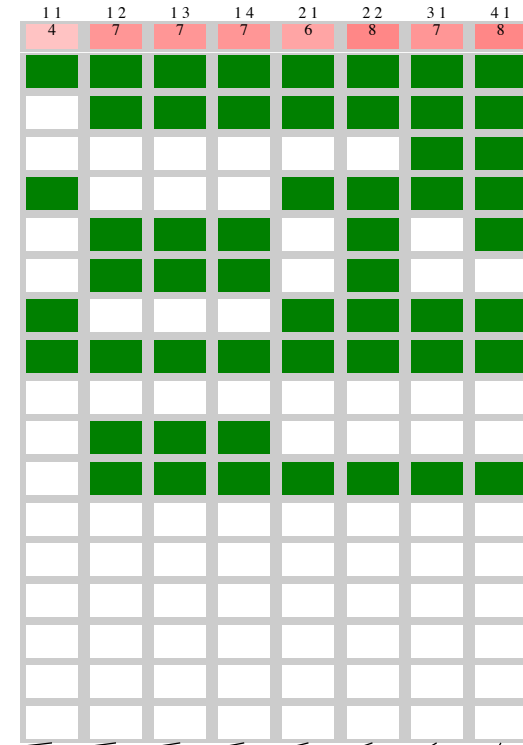
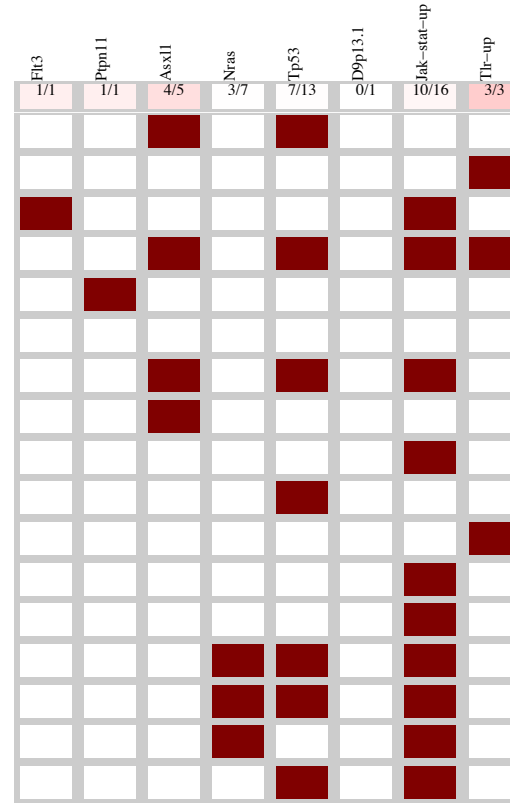
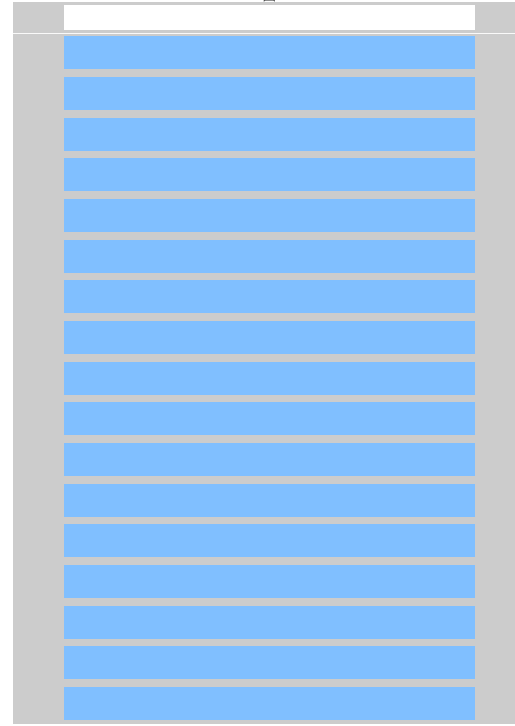
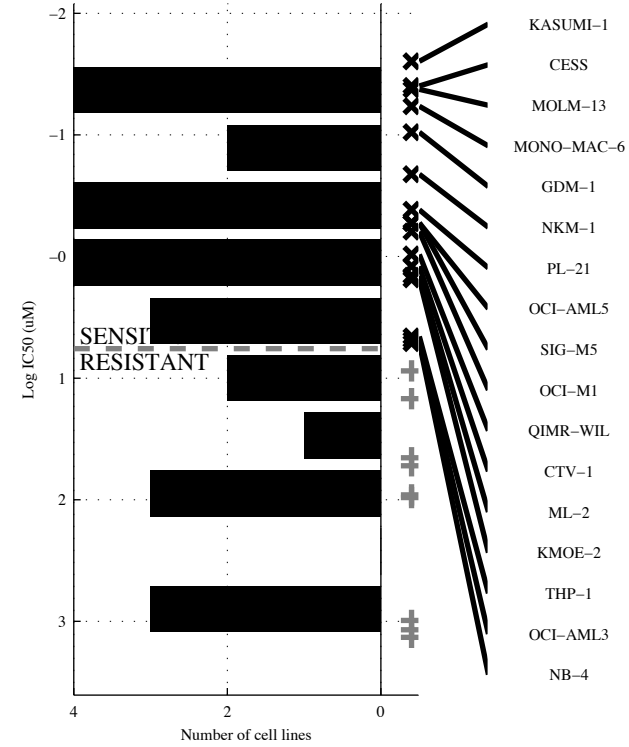


Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	M															
Logic formula	<b>-TP53</b>		<b>-TP53 &amp;</b>		<b>-TP53 &amp; &amp;</b>		<b>-TP53 &amp; &amp;</b>		<b>ASXL1   -TP53</b>		<b>[ -TP53 &amp; ]</b>   <b>[ -NRAS&amp;JAK-ST]</b>		<b>ASXL1 PML-RAI</b>  <b>-TP53</b>		<b>ASXL1 PML-RAI</b>  <b>-TP53   IL-1-U</b>	
TP   FP Specificity	11   1 0.86		11   1 0.86		11   1 0.86		11   1 0.86		15   1 0.86		16   1 0.86		16   1 0.86		17   1 0.86	
FN   TN Precision	7   6 0.92		7   6 0.92		7   6 0.92		7   6 0.92		3   6 0.94		2   6 0.94		2   6 0.94		1   6 0.94	
Recall	0.61		0.61		0.61		0.61		0.83		0.89		0.89		0.94	

LAML  
 id: 228 name: KIN001-102  
 target: AKT1 class: PI3K signaling

26 cell lines  
 17 sensitive

Leukemia 17/26

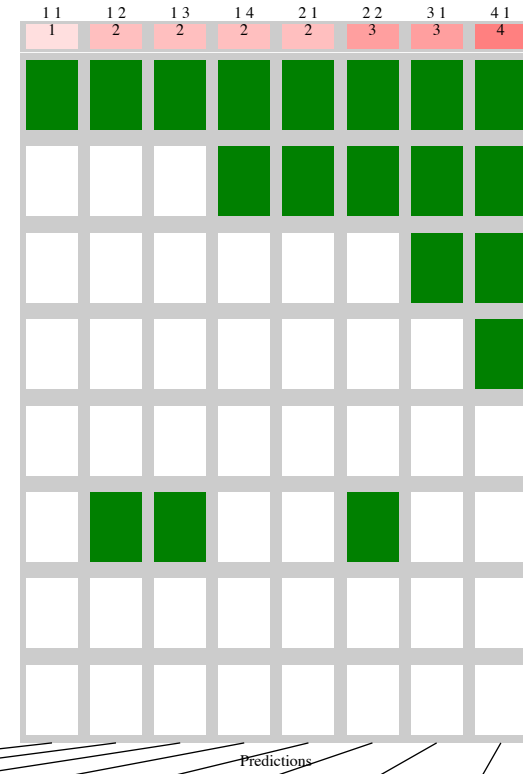
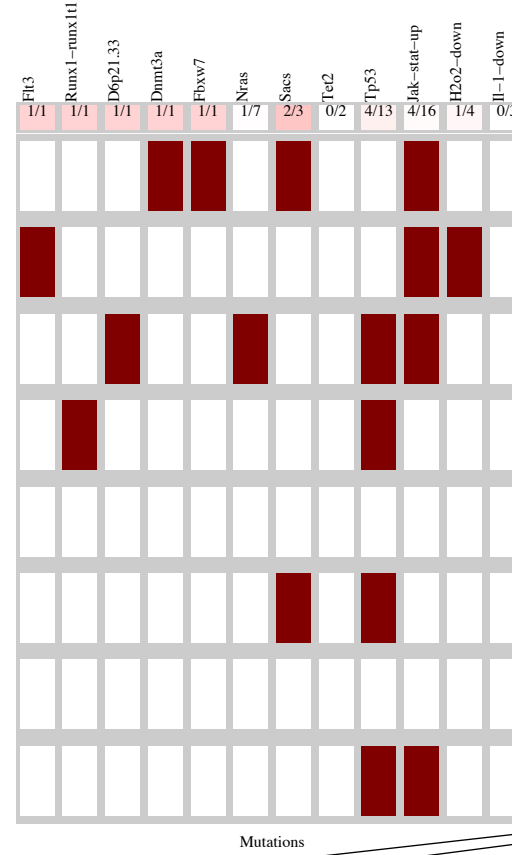
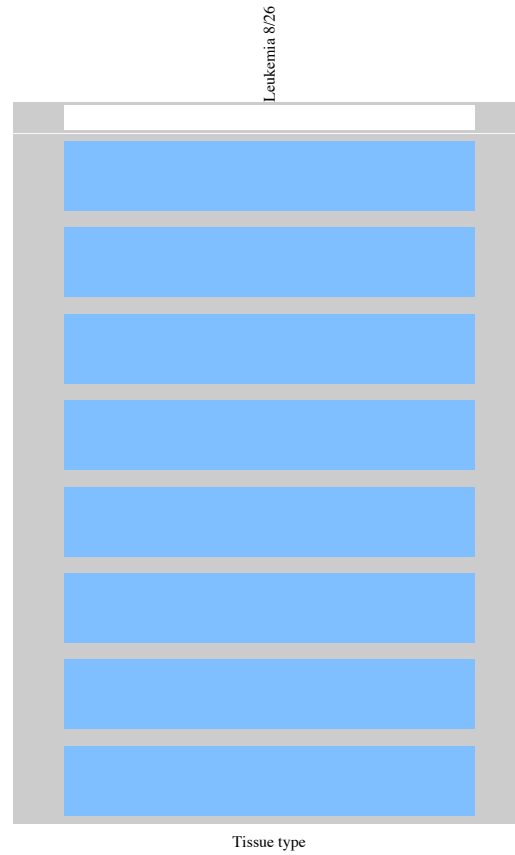
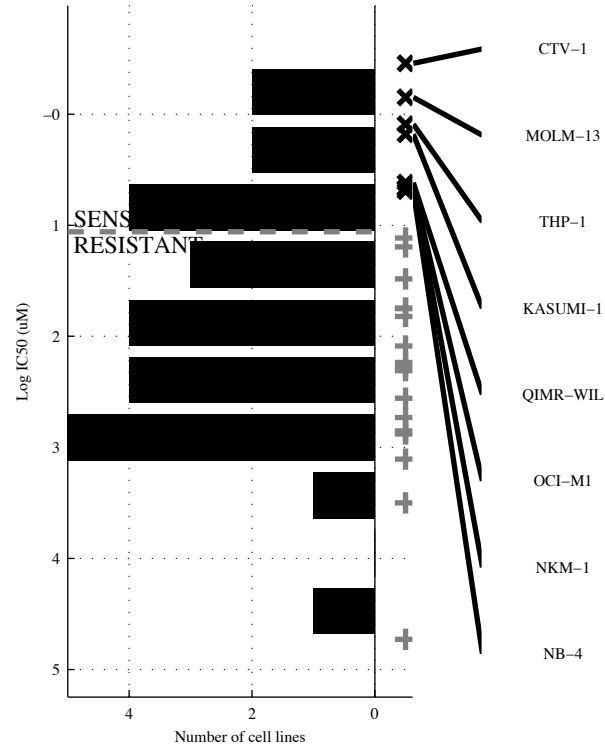


Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>ASXL1</b>		<b>-NRAS&amp;JAK-ST</b>		<b>-NRAS&amp;JAK-ST</b>		<b>-NRAS&amp;JAK-ST</b>		<b>ASXL1  TLR-UP</b>		<b>[ ASXL1 &amp; -d9p13.]   [-TP53 &amp; JAK-ST]</b>		<b>FLT3   ASXL1   TLR-UP</b>		<b>FLT3   PTPN11   ASXL1  TLR-UP</b>	
TP   FP Specificity	4   1	0.89	7   1	0.89	7   1	0.89	7   1	0.89	6   1	0.89	8   0	1	7   1	0.89	8   1	0.89
FN   TN Precision	13   8	0.8	10   8	0.88	10   8	0.88	10   8	0.88	11   8	0.86	9   9	1	10   8	0.88	9   8	0.89
Recall		0.24		0.41		0.41		0.41		0.35		0.47		0.41		0.47



LAML  
 id: 229 name: LY317615  
 target: PRKCB (PKCbeta) class: other

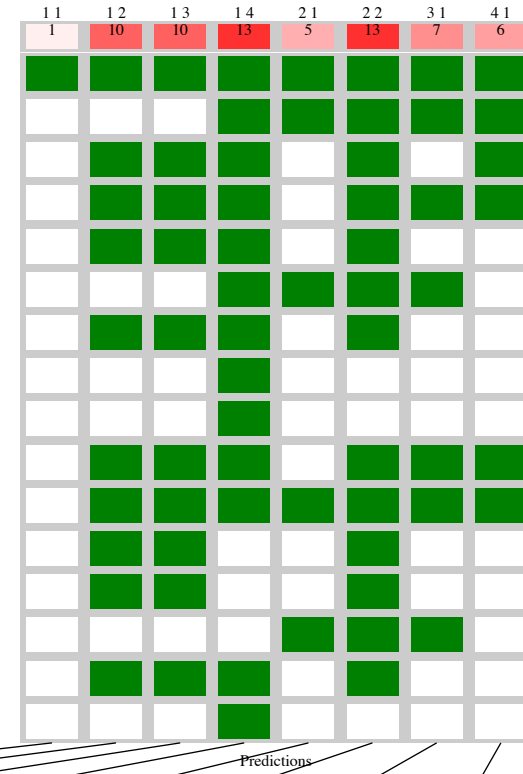
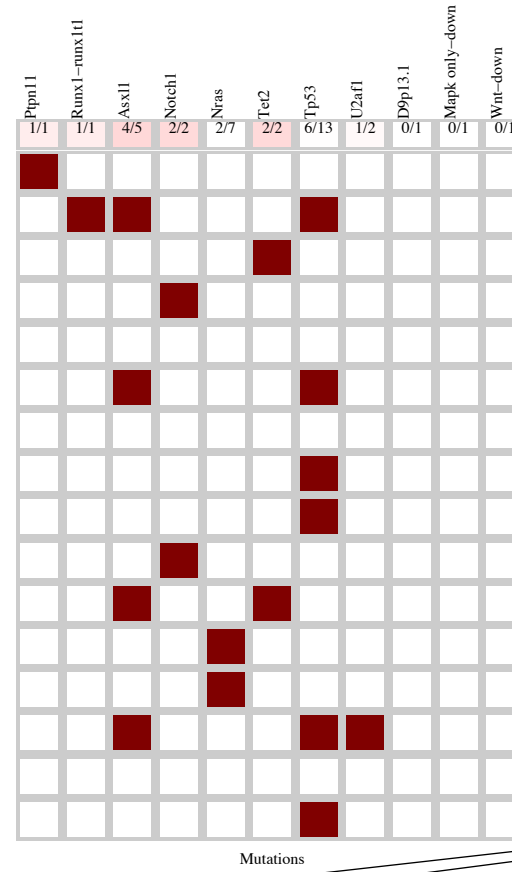
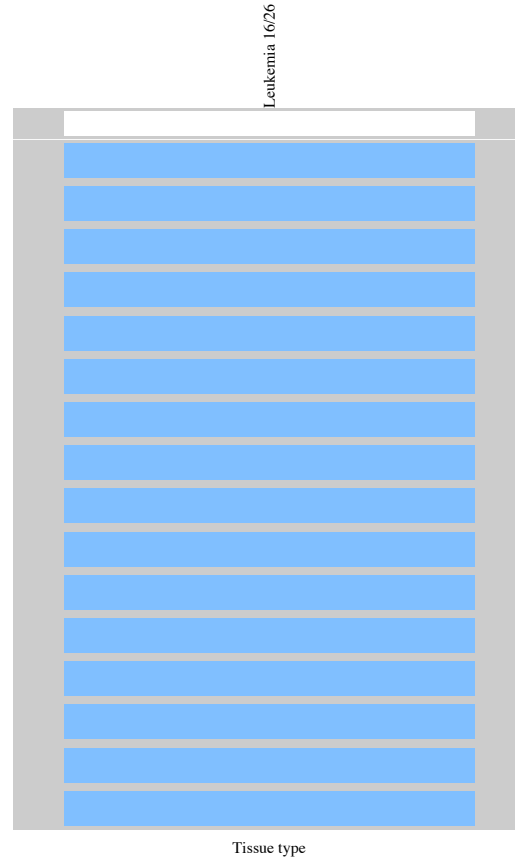
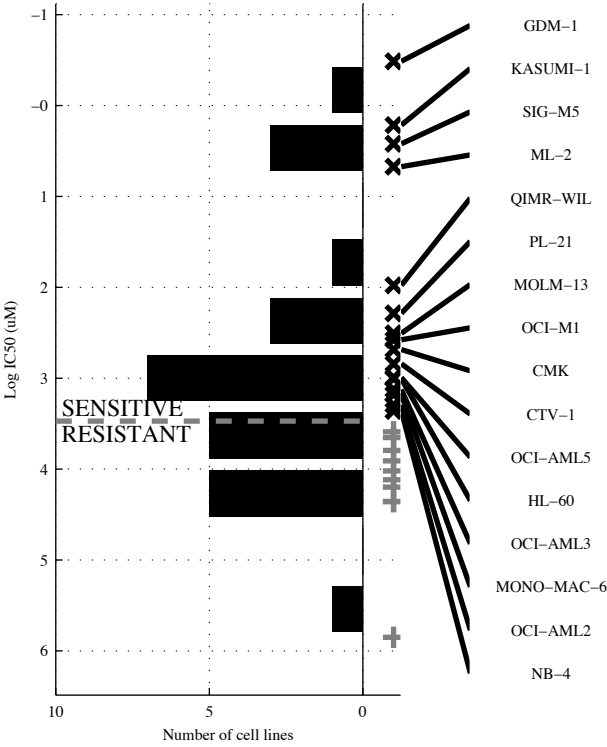
26 cell lines  
 8 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>FBXW7</b>	<b>SACS &amp; -IL-1-D</b>	<b>SACS &amp; -IL-1-D &amp;</b>	<b>-NRAS &amp; -TET2 &amp;</b> <b>-TP53 &amp; JAK-ST</b>	<b>FLT3 DNMT3A</b>	<b>[ -NRAS &amp; SACS ]</b> <b> </b> <b>[ FLT3 &amp; H2O2-D ]</b>	<b>FLT3   d6p21.  </b> <b>DNMT3A</b>	<b>FLT3   RUNX1-  </b> <b>d6p21. DNMT3A</b>
TP   FP FN   TN	1   0 7   18	2   0 6   18	2   0 6   18	2   3 6   15	2   0 6   18	3   0 5   18	3   0 5   18	4   0 4   18
Specificity	1	1	1	0.83	1	1	1	1
Precision	1	1	1	0.4	1	1	1	1
Recall	0.13	0.25	0.25	0.25	0.25	0.38	0.38	0.5

LAML  
 id: 230 name: GSK429286A  
 target: ROCK2 class: cytoskeleton

26 cell lines  
 16 sensitive

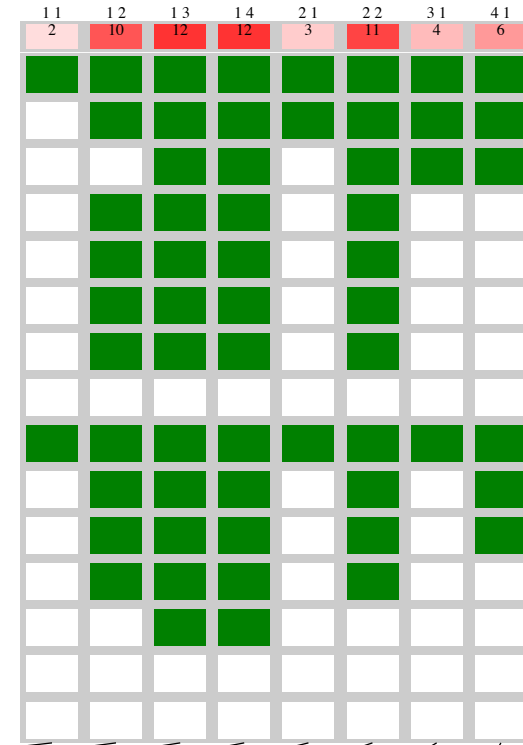
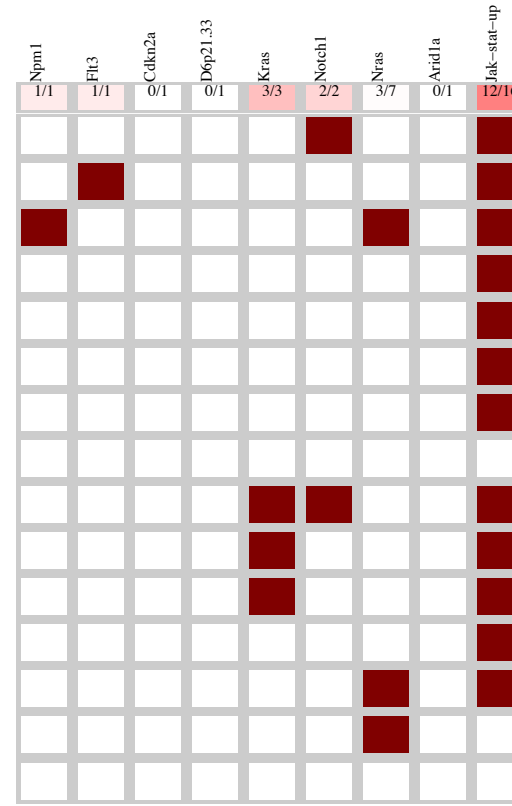
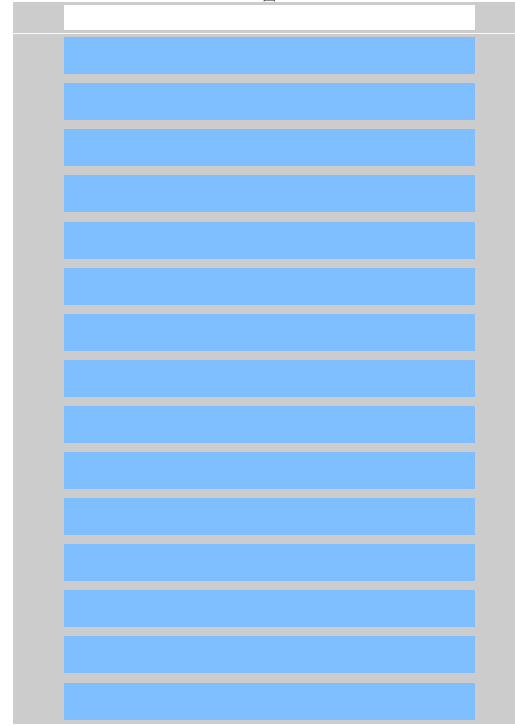
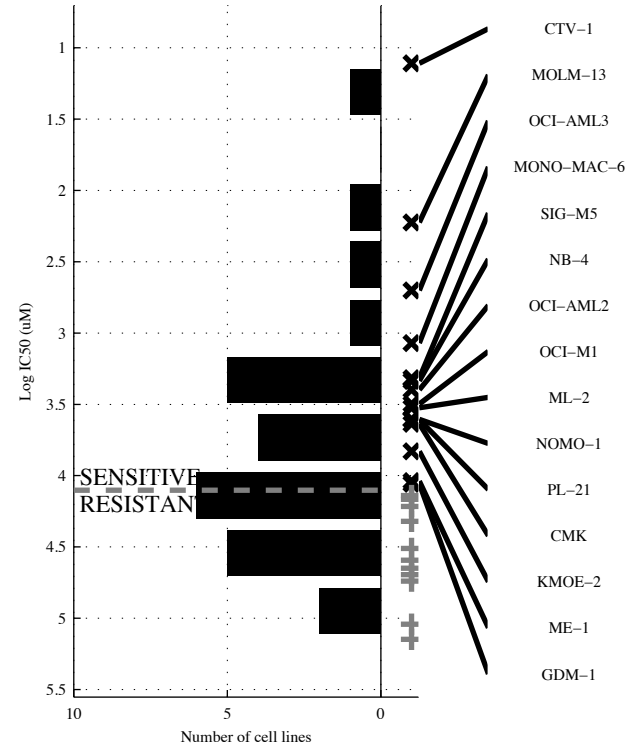


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>PTPN11</b>	<b>¬TP53 &amp; ¬U2AF1</b>	<b>¬TP53 &amp; ¬U2AF1 &amp; ¬MAPK o</b>	<b>¬NRAS &amp; ¬U2AF1 &amp; ¬d9p13 &amp; Wnt-DO</b>	<b>PTPN11   ASXL1</b>	<b>[ ASXL1 &amp; ¬d9p13. ]   [ ¬TP53 &amp; ¬U2AF1 ]</b>	<b>PTPN11   ASXL1   NOTCH1</b>	<b>PTPN11   RUNX1-1   NOTCH1   TET2</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{15} \mid \frac{0}{10}$ 1 0.063	$\frac{10}{6} \mid \frac{2}{8}$ 0.8 0.83 0.63	$\frac{10}{6} \mid \frac{1}{9}$ 0.9 0.91 0.63	$\frac{13}{3} \mid \frac{2}{8}$ 0.8 0.87 0.81	$\frac{5}{11} \mid \frac{1}{9}$ 0.9 0.83 0.31	$\frac{13}{3} \mid \frac{2}{8}$ 0.8 0.87 0.81	$\frac{7}{9} \mid \frac{1}{9}$ 0.9 0.88 0.44	$\frac{6}{10} \mid \frac{0}{10}$ 1 1 0.38

LAML  
 id: 231 name: FMK  
 target: RSK class: ERK MAPK signaling

26 cell lines  
 15 sensitive

Leukemia 15/26

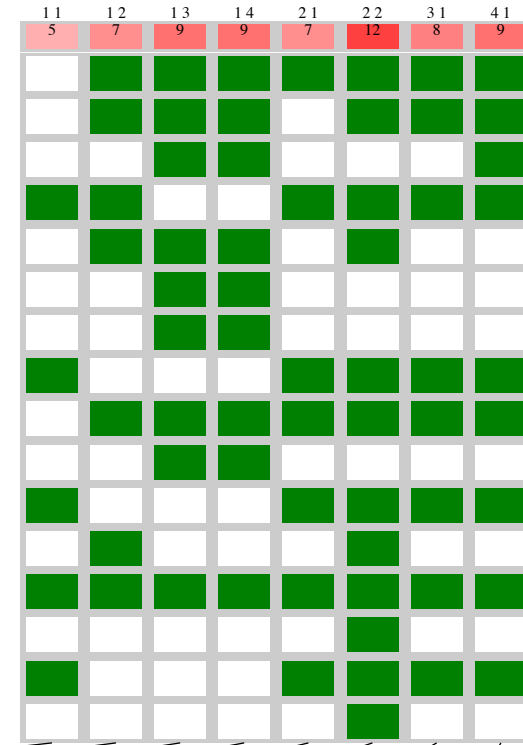
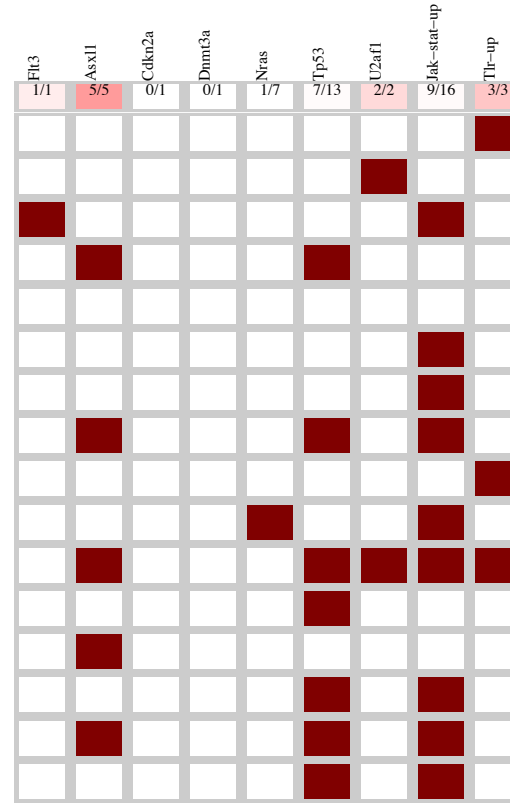
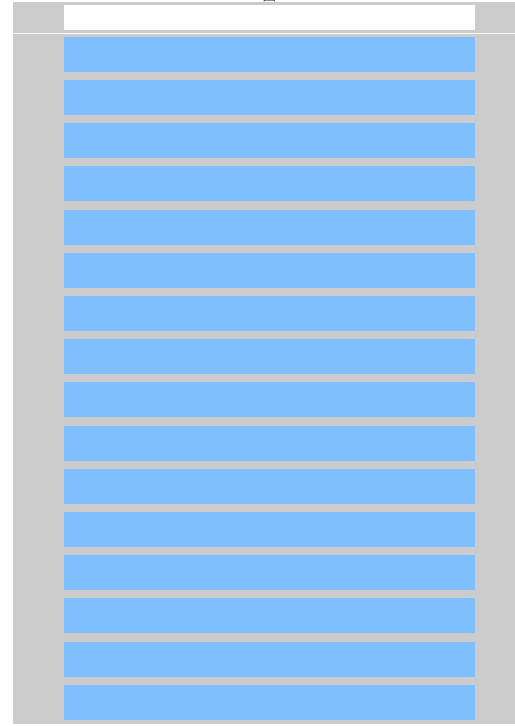
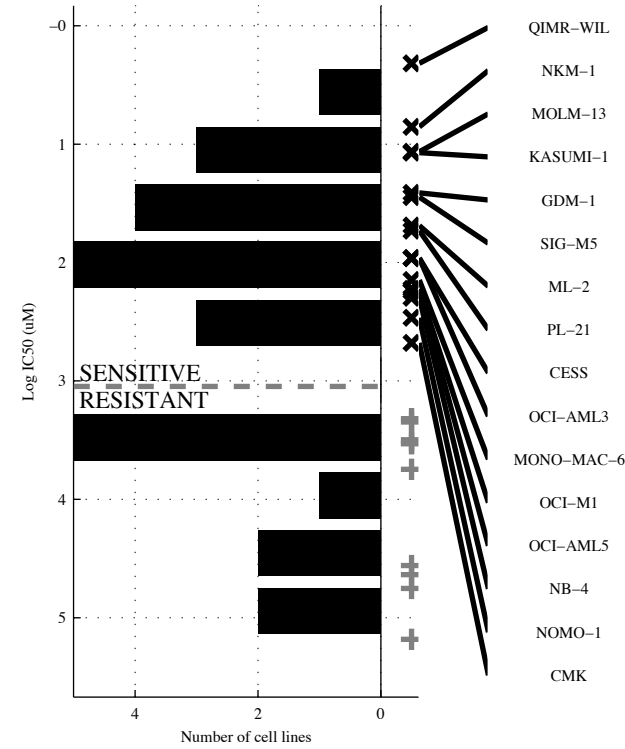


Model name	11	12	13	14	21	22	31	41
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>NOTCH1</b>	<b>-NRAS&amp;JAK-ST</b>	<b>-d6p21.&amp;ARID1&amp; JAK-ST</b>	<b>-CDKN2&amp;-d6p21.&amp; -ARID1&amp;JAK-ST</b>	<b>FLT3 NOTCH1</b>	<b>[ -NRAS&amp;JAK-ST ]   [ NPM1 &amp;NOTCH1 ]</b>	<b>NPM1   FLT3   NOTCH1</b>	<b>NPM1   FLT3   KRAS NOTCH1</b>
TP   FP FN   TN	2   0 13   11	10   1 5   10	12   2 3   9	12   1 3   10	3   0 12   11	11   1 4   10	4   0 11   11	6   0 9   11
Specificity	1	0.91	0.82	0.91	1	0.91	1	1
Precision	1	0.91	0.86	0.92	1	0.92	1	1
Recall	0.13	0.67	0.8	0.8	0.2	0.73	0.27	0.4

LAML  
 id: 238 name: CAL-101  
 target: PI3Kdelta class: PI3K signaling

26 cell lines  
 16 sensitive

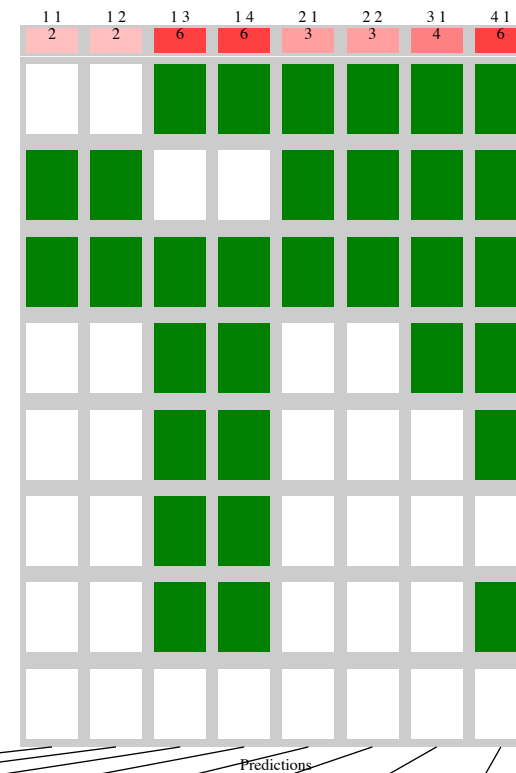
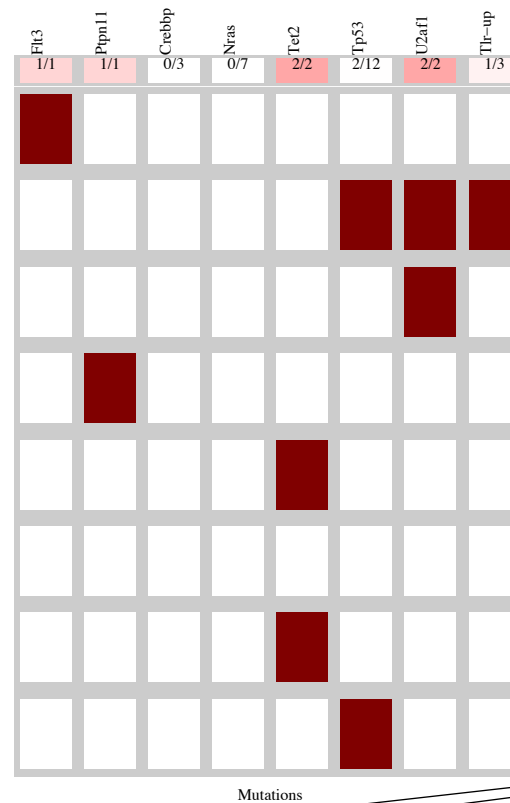
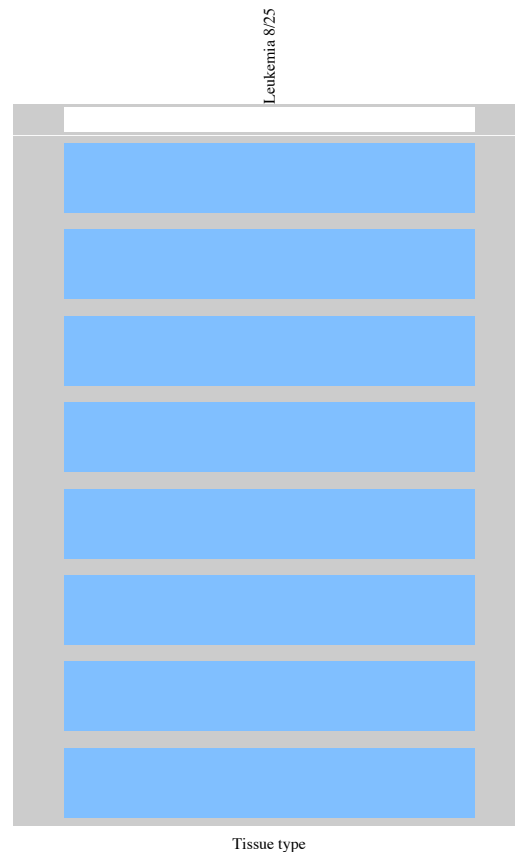
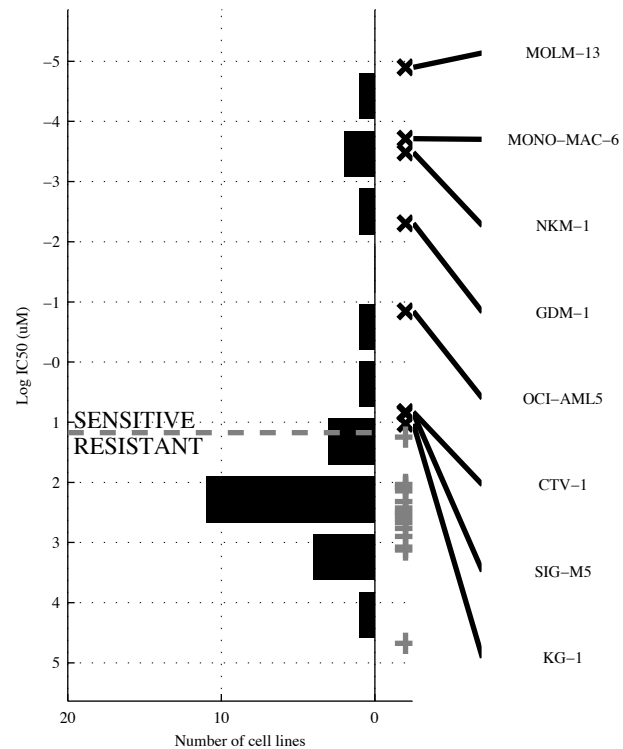
Leukemia 16/26



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>ASXL1</b>	<b>-NRAS &amp; JAK-ST</b>	<b>-CDKN2 &amp; DNMT3 &amp; -TP53</b>	<b>-CDKN2 &amp; DNMT3 &amp; -TP53 &amp;</b>	<b>ASXL1   TLR-UP</b>	<b>[ -NRAS &amp; TP53 ]   [ -TP53 &amp; JAK-ST ]</b>	<b>ASXL1   U2AF1   TLR-UP</b>	<b>FLT3   ASXL1   U2AF1   TLR-UP</b>
TP   FP	5   0	7   1	9   2	9   2	7   0	12   1	8   0	9   0
Specificity	1	0.9	0.8	0.8	1	0.9	1	1
FN   TN	11   10	9   9	7   8	7   8	9   10	4   9	8   10	7   10
Precision	1	0.88	0.82	0.82	1	0.92	1	1
Recall	0.31	0.44	0.56	0.56	0.44	0.75	0.5	0.56

LAML  
 id: 249 name: XL-184  
 target: VEGFR, MET, RET, KIT, FLT1, FLT3, FLT4, Tie2, AXL class: RTK signaling

25 cell lines  
 8 sensitive

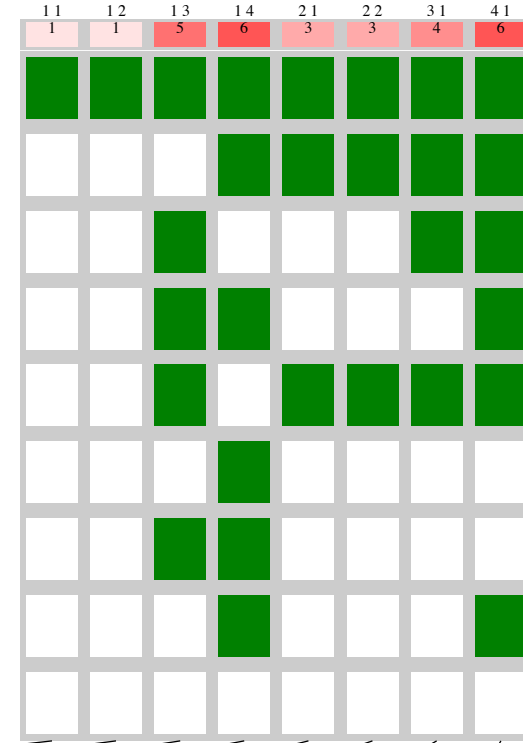
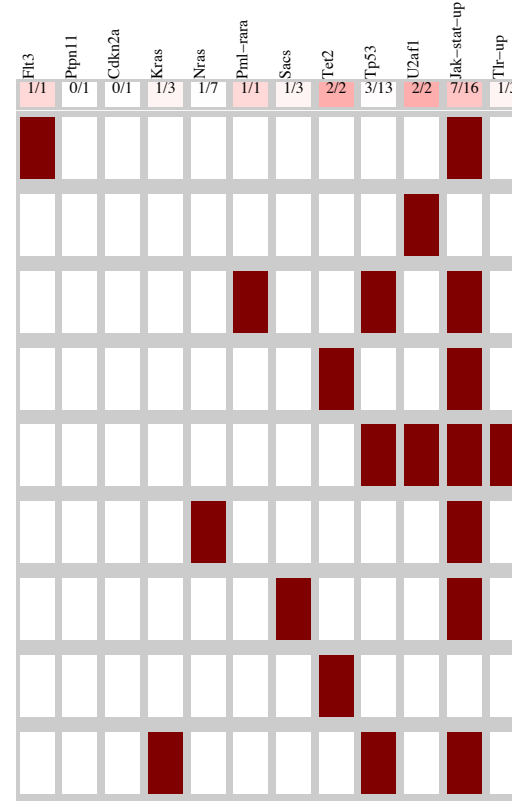
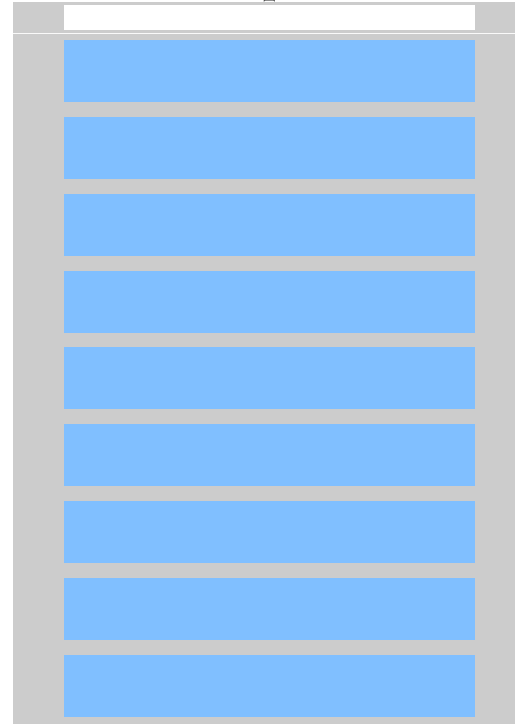
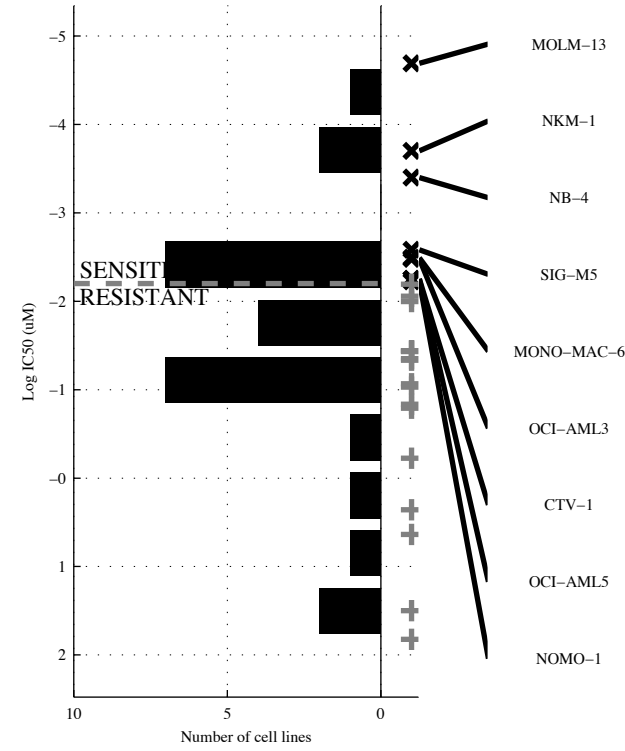


Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>U2AF1</b>		<b>U2AF1 &amp;</b>		<b>-NRAS &amp; -TP53 &amp;</b>		<b>-CREBBP &amp; -NRAS &amp;</b>		<b>FLT3   U2AF1</b>		<b>[ U2AF1 &amp; ]</b>		<b>FLT3   PTPN11  </b>		<b>FLT3   PTPN11  </b>	
					<b>-TLR-UP</b>		<b>-TP53 &amp; TLR-UP</b>				<b>[ FLT3 &amp; ]</b>		<b>U2AF1</b>		<b>TET2   U2AF1</b>	
TP   FP Specificity	2   0	1	2   0	1	6   3	0.82	6   2	0.88	3   0	1	3   0	1	4   0	1	6   0	1
FN   TN Precision	6   17	1	6   17	1	2   14	0.67	2   15	0.75	5   17	1	5   17	1	4   17	1	2   17	1
Recall	0.25		0.25		0.75		0.75		0.38		0.38		0.5		0.75	

LAML  
 id: 252 name: WZ3105  
 target: CLK2, CNSK1E, FLT3, ULK1 class: other

26 cell lines  
 9 sensitive

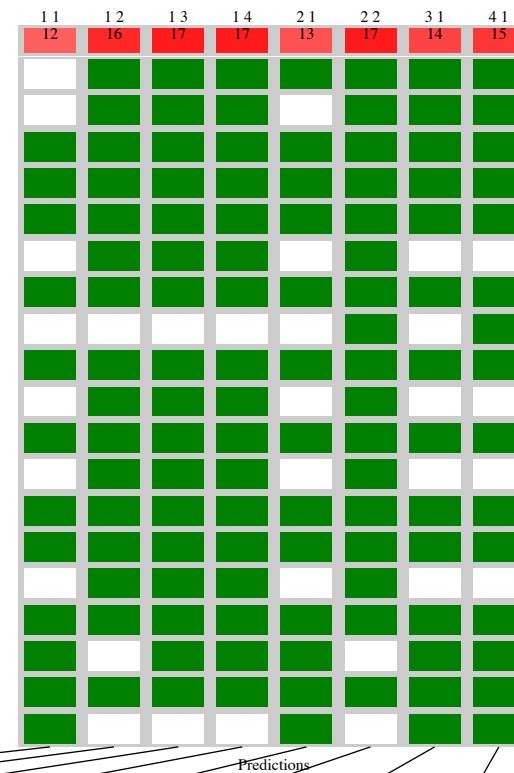
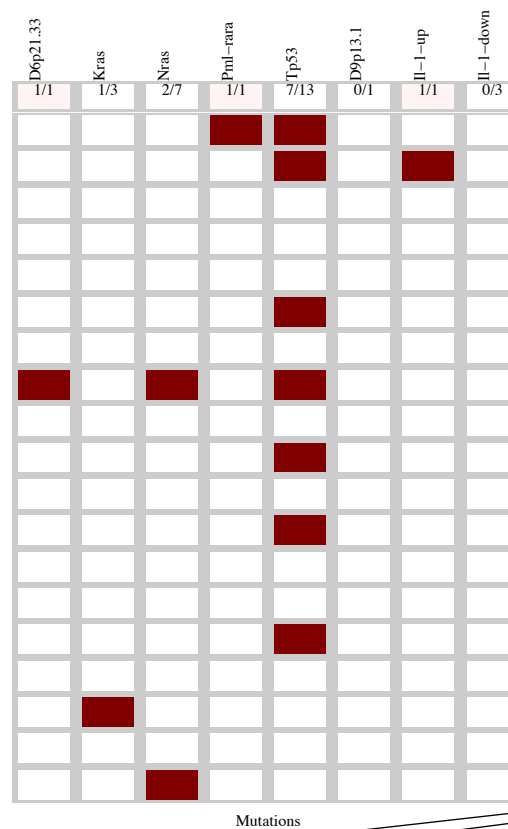
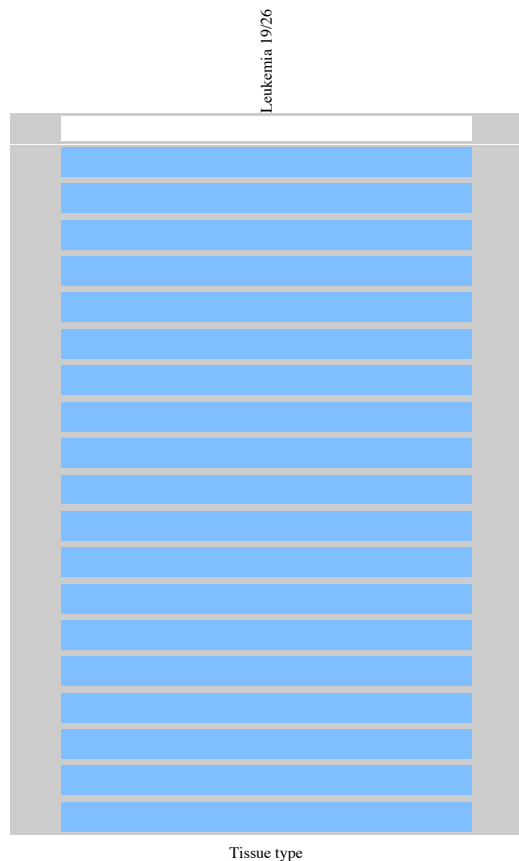
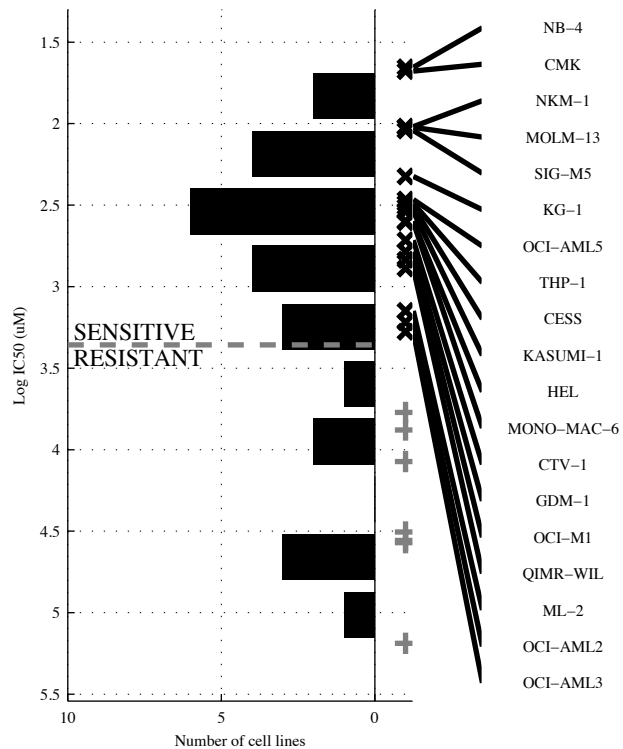
Leukemia 9/26



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>FLT3</b>		<b>FLT3 &amp;</b>		<b>~KRAS &amp; ~NRAS &amp;</b> <b>JAK-ST</b>		<b>~PTPN1 &amp; CDKN2 &amp;</b> <b>-TP53 &amp; TLR-UP</b>		<b>FLT3   U2AF1</b>		[ <b>U2AF1 &amp;</b> ]   [ <b>FLT3 &amp; ~SACS</b> ]		<b>FLT3 PML-RA</b>  <b>U2AF1</b>		<b>FLT3 PML-RA</b>  <b>TET2   U2AF1</b>	
TP   FP Specificity FN   TN Precision Recall	1   0 8   17	1 0.11	1   0 8   17	1 0.11	5   3 4   14	0.82 0.63 0.56	6   3 3   14	0.82 0.67 0.67	3   0 6   17	1 0.33	3   0 6   17	1 0.33	4   0 5   17	1 0.44	6   0 3   17	1 0.67

LAML  
 id: 253 name: XMD14-99  
 target: EPHB3, CAMK1 class: RTK signaling

26 cell lines  
 19 sensitive

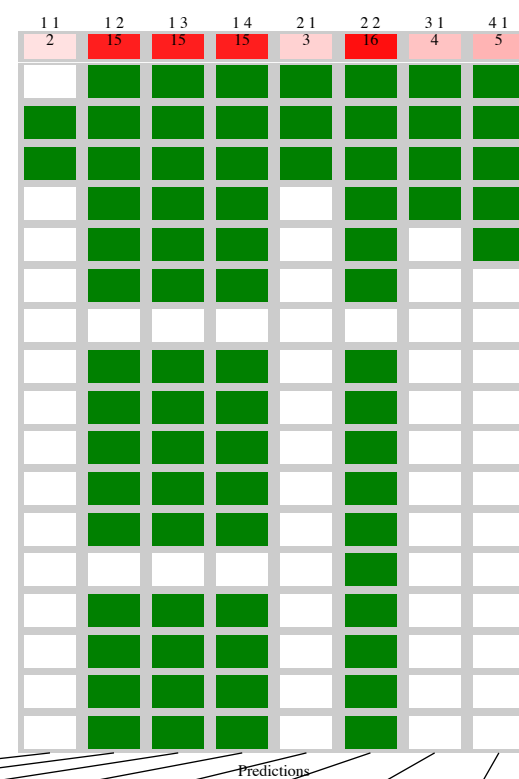
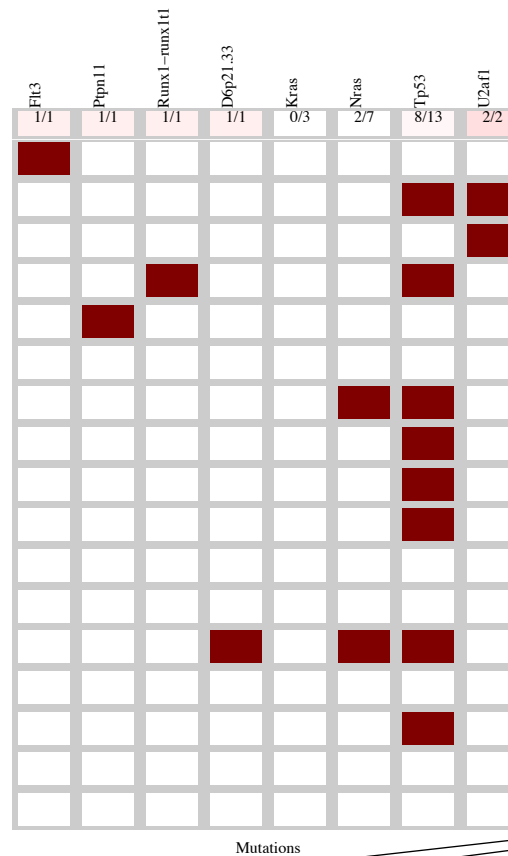
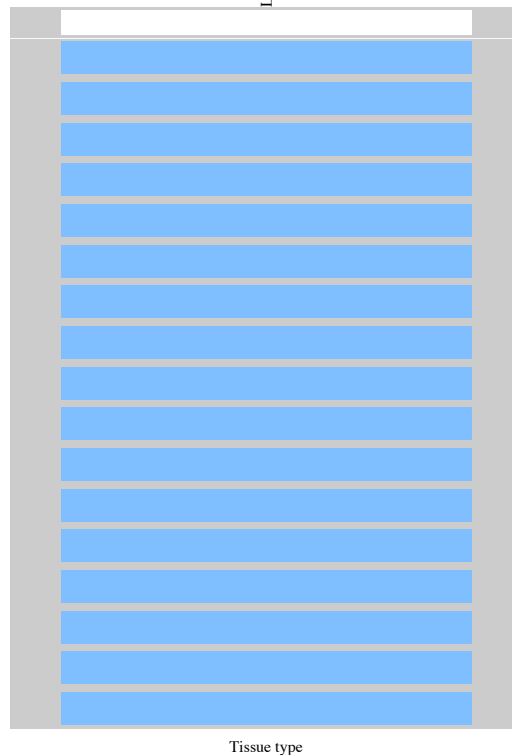
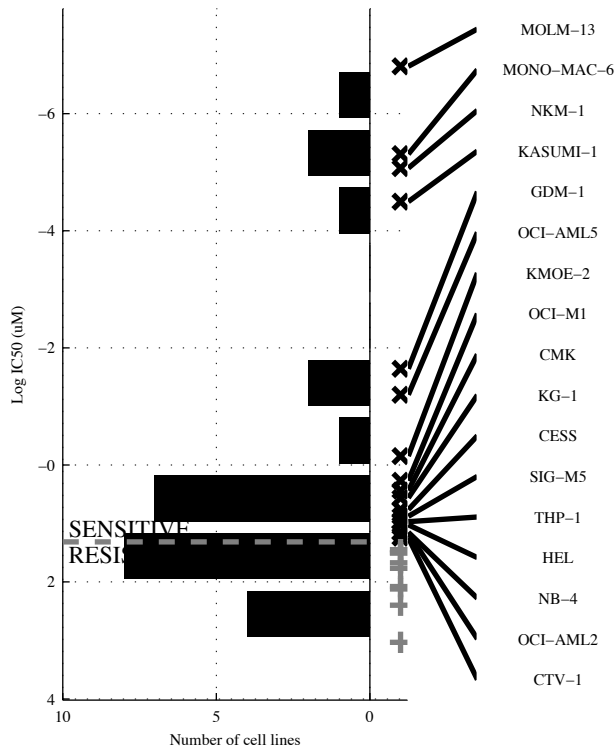


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>-TP53</b>	<b>-KRAS &amp; -NRAS</b>	<b>-NRAS &amp; -d9p13 &amp; -IL-1-D</b>	<b>-NRAS &amp; -d9p13 &amp; -IL-1-D</b>	<b>PML-RAI -TP53</b>	<b>[ d6p21. &amp; NRAS ]   [ -KRAS &amp; -NRAS ]</b>	<b>PML-RAI -TP53   IL-1-U</b>	<b>d6p21. PML-RAI -TP53   IL-1-U</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{12}{7} \mid \frac{1}{6}$ 0.86 0.92 0.63	$\frac{16}{3} \mid \frac{0}{7}$ 1 1 0.84	$\frac{17}{2} \mid \frac{0}{7}$ 1 1 0.89	$\frac{17}{2} \mid \frac{0}{7}$ 1 1 0.89	$\frac{13}{6} \mid \frac{1}{6}$ 0.86 0.93 0.68	$\frac{17}{2} \mid \frac{0}{7}$ 1 1 0.89	$\frac{14}{5} \mid \frac{1}{6}$ 0.86 0.93 0.74	$\frac{15}{4} \mid \frac{1}{6}$ 0.86 0.94 0.79

LAML  
 id: 254 name: AC220  
 target: FLT3 class: RTK signaling

26 cell lines  
 17 sensitive

Leukemia 17/26

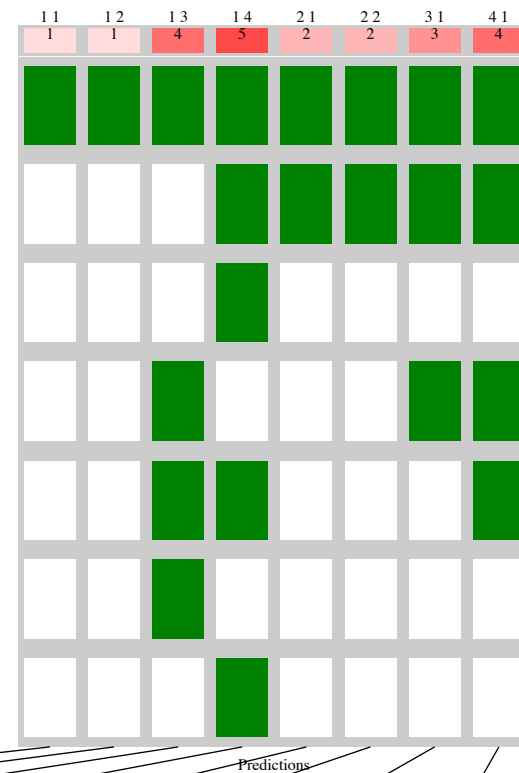
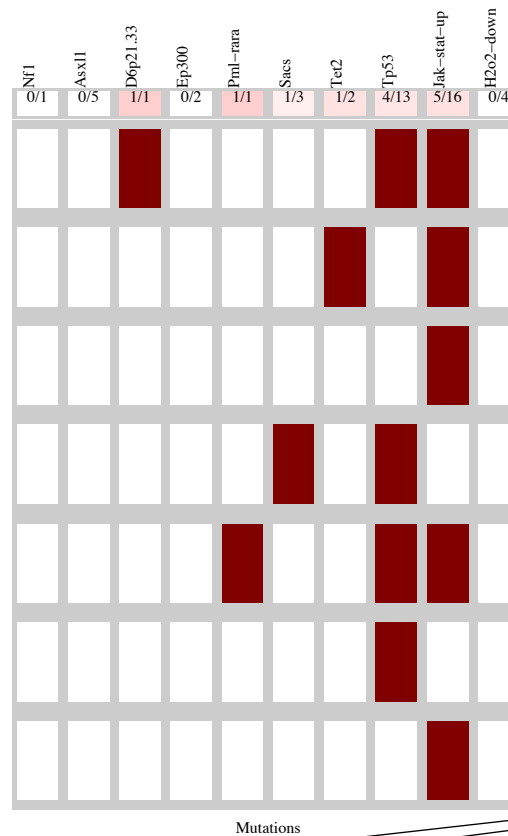
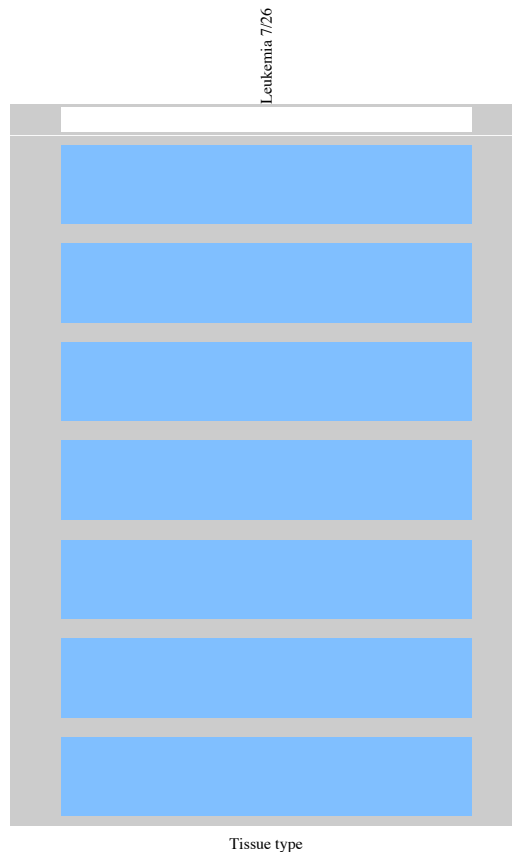
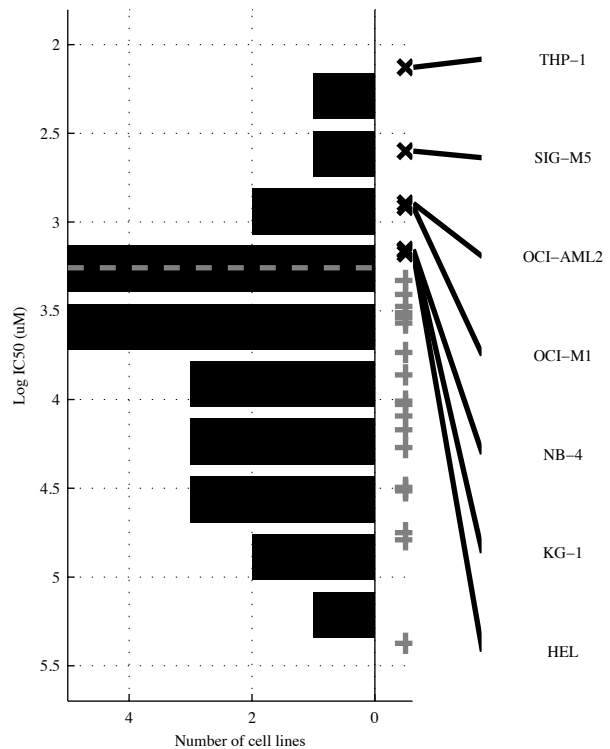


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	U2AF1	<b>-KRAS&amp;-NRAS</b>	<b>-KRAS&amp;-NRAS&amp;</b>	<b>-KRAS&amp;-NRAS&amp;</b>	<b>FLT3   U2AF1</b>	[ d6p21. & TP53 ]   [ -KRAS&-NRAS ]	<b>FLT3  RUNX1- </b>  <b>U2AF1</b>	<b>FLT3  PTPN11 </b>  <b>RUNX1-  U2AF1</b>
TP   FP Specificity FN   TN Precision Recall	2   0 1 15   9 1 0.12	15   1 0.89 2   8 0.94 0.88	15   1 0.89 2   8 0.94 0.88	15   1 0.89 2   8 0.94 0.88	3   0 1 14   9 1 0.18	16   1 0.89 1   8 0.94 0.94	4   0 1 13   9 1 0.24	5   0 1 12   9 1 0.29



LAML  
 id: 255 name: CP724714  
 target: ERBB2 class: EGFR signaling

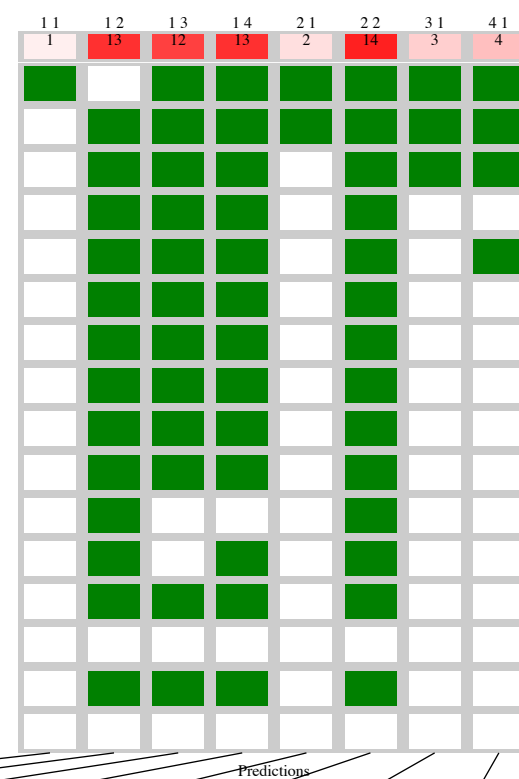
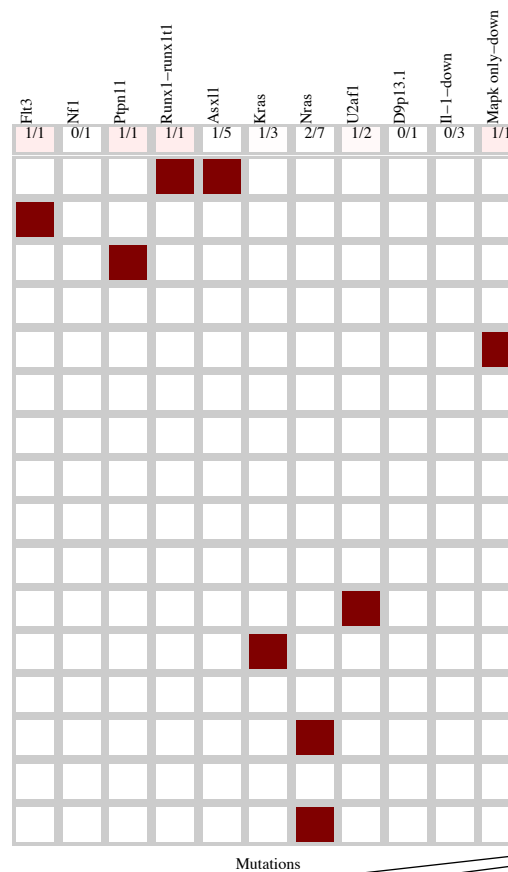
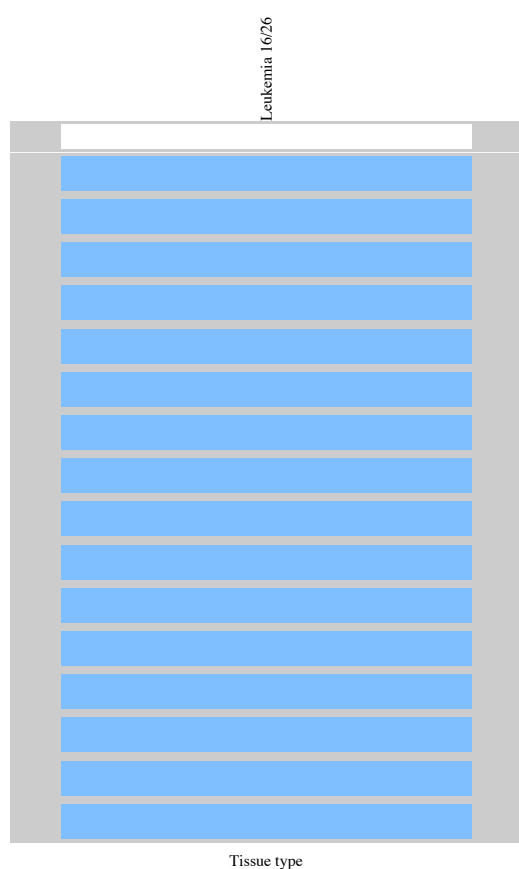
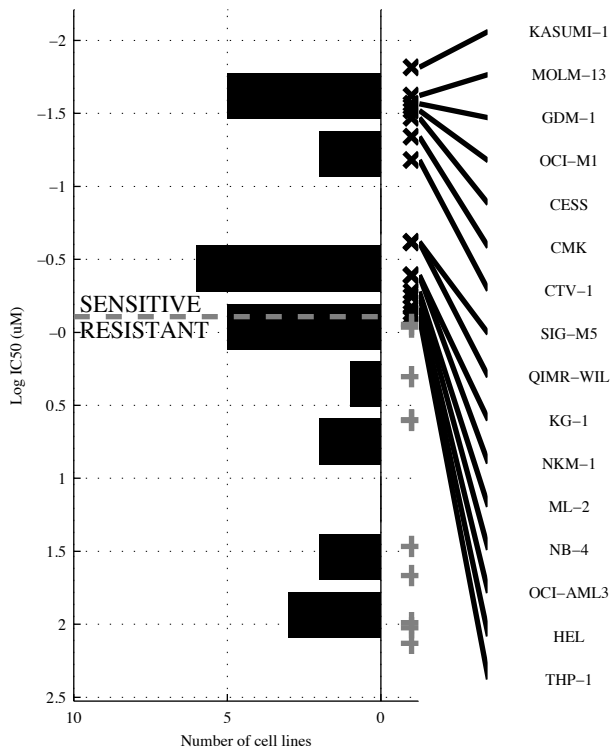
26 cell lines  
 7 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d6p21.</b>	<b>d6p21. &amp;</b>	<b>¬ASXL1 &amp; TP53 &amp;</b> <b>¬H2O2-D</b>	<b>¬ASXL1 &amp; ¬EP300 &amp;</b> <b>JAK-ST &amp; H2O2-D</b>	<b>d6p21.   TET2</b>	<b>[ d6p21. &amp; PML-RA ]</b> <b> </b> <b>[ ¬NF1 &amp; TET2 ]</b>	<b>d6p21.   SACS  </b> <b>TET2</b>	<b>d6p21. PML-RA</b> <b> </b> <b>SACS   TET2</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{6} \mid \frac{0}{19}$ 1 0.14	$\frac{1}{6} \mid \frac{0}{19}$ 1 0.14	$\frac{4}{3} \mid \frac{3}{16}$ 0.84 0.57 0.57	$\frac{5}{2} \mid \frac{3}{16}$ 0.84 0.63 0.71	$\frac{2}{5} \mid \frac{1}{18}$ 0.95 0.67 0.29	$\frac{2}{5} \mid \frac{0}{19}$ 1 1 0.29	$\frac{3}{4} \mid \frac{3}{16}$ 0.84 0.5 0.43	$\frac{4}{3} \mid \frac{3}{16}$ 0.84 0.57 0.57

LAML  
 id: 256 name: JW-7-24-1  
 target: LCK class: other

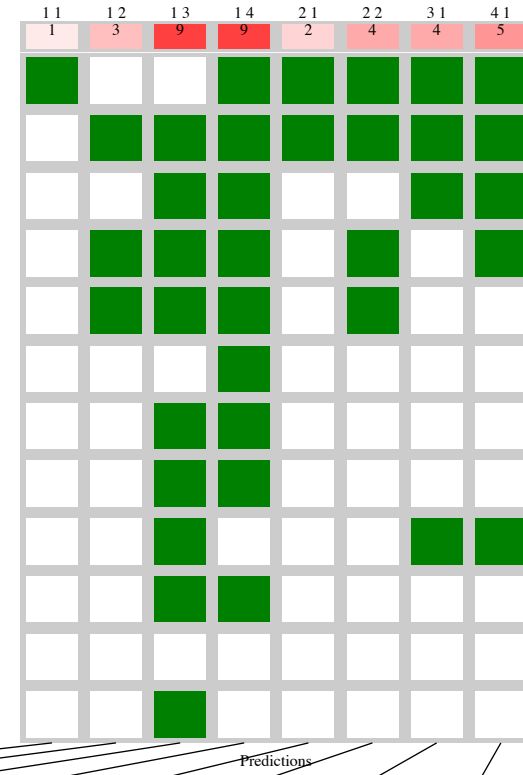
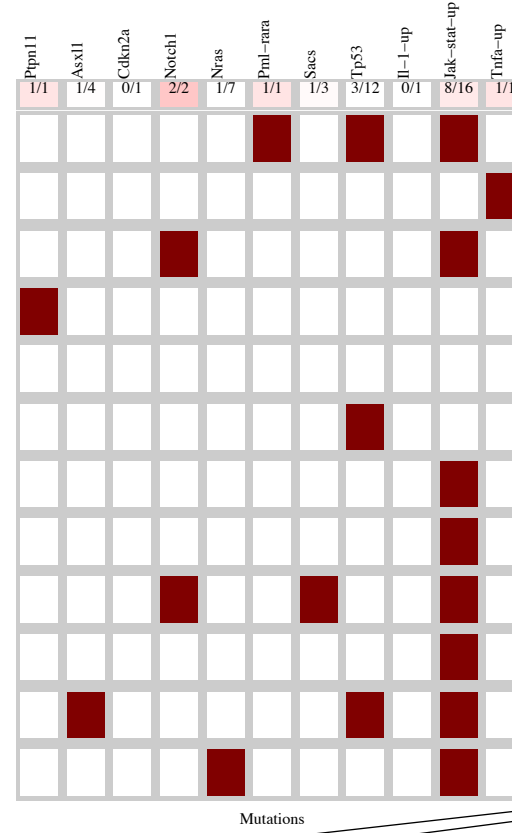
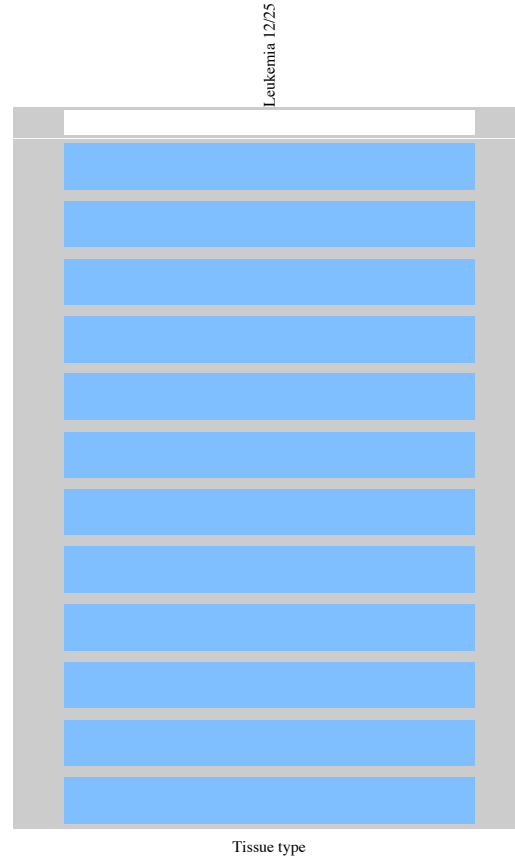
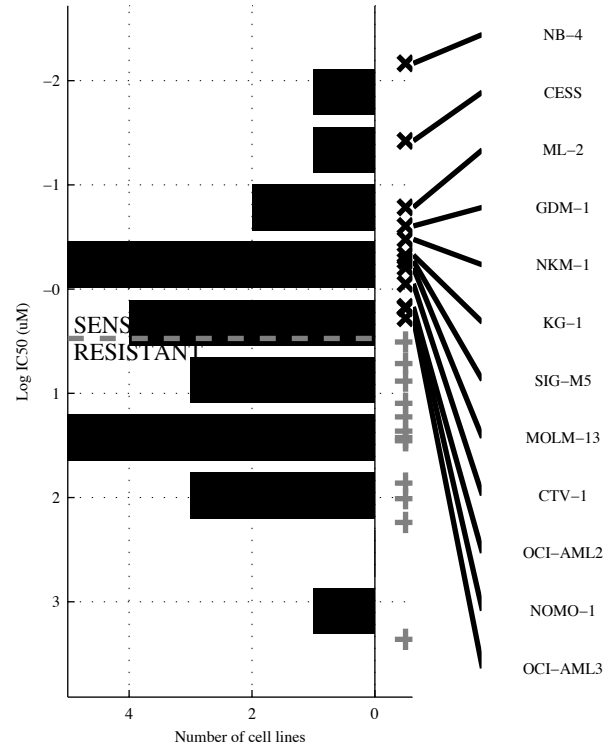
26 cell lines  
 16 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>RUNX1-</b>	<b>-ASXL1 &amp; -NRAS</b>	<b>-KRAS &amp; -NRAS &amp; -U2AF1</b>	<b>-NRAS &amp; -U2AF1 &amp; -d9p13 &amp; -IL-1-D</b>	<b>FLT3   RUNX1-</b>	<b>[ -ASXL1 &amp; -NRAS ]   [ -NF1 &amp; RUNX1- ]</b>	<b>FLT3   PTPN11   RUNX1-</b>	<b>FLT3   PTPN11   RUNX1-   MAPK o</b>
TP   FP    Specificity FN   TN    Precision Recall	$\frac{1}{15} \mid \frac{0}{10}$ 1 0.063	$\frac{13}{3} \mid \frac{1}{9}$ 0.9 0.93 0.81	$\frac{12}{4} \mid \frac{2}{8}$ 0.8 0.86 0.75	$\frac{13}{3} \mid \frac{2}{8}$ 0.8 0.87 0.81	$\frac{2}{14} \mid \frac{0}{10}$ 1 0.13	$\frac{14}{2} \mid \frac{1}{9}$ 0.9 0.93 0.88	$\frac{3}{13} \mid \frac{0}{10}$ 1 0.19	$\frac{4}{12} \mid \frac{0}{10}$ 1 0.25

LAML  
 id: 257 name: NPK76-II-72-1  
 target: PLK3 class: mitosis

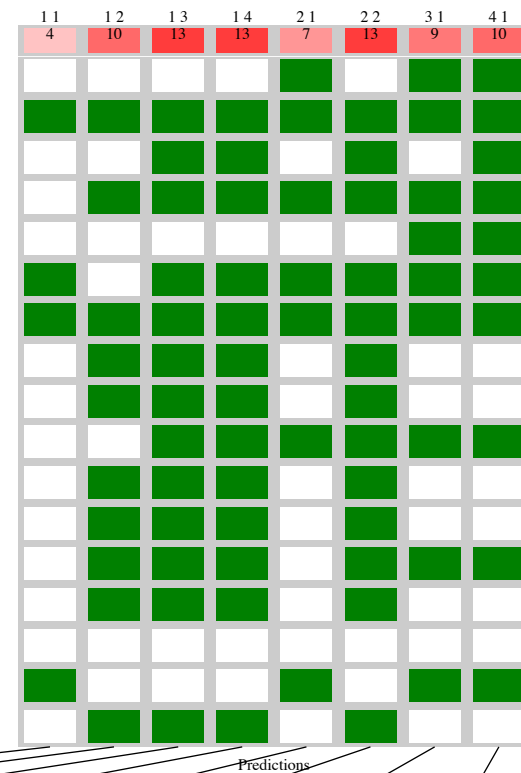
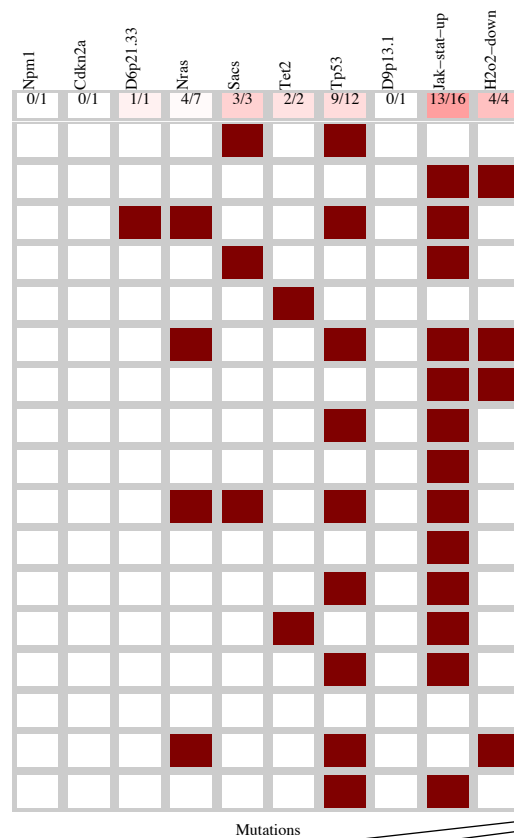
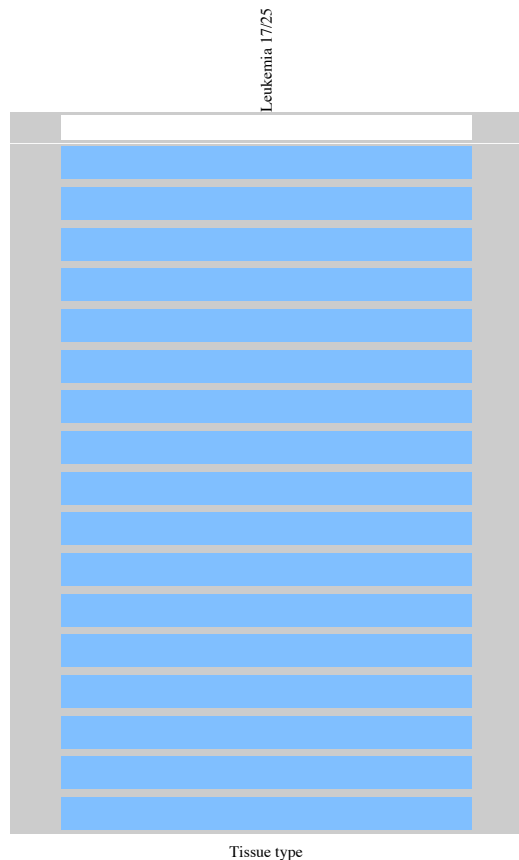
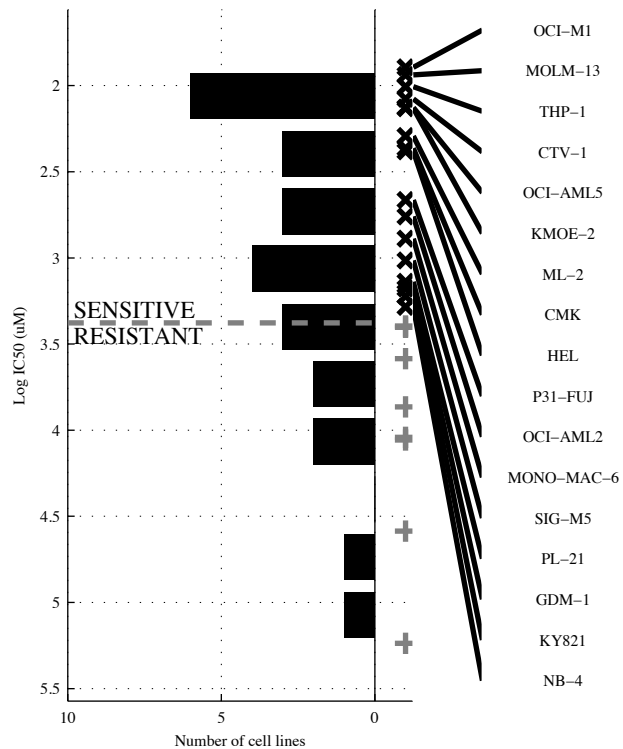
25 cell lines  
 12 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>PML-RA</b>	<b>-TP53 &amp; JAK-ST</b>	<b>-ASXL1 &amp; CDKN2A &amp; -TP53</b>	<b>-ASXL1 &amp; -NRAS &amp; -SACS &amp; IL-1-U</b>	<b>PML-RA &amp; TNFa-U</b>	<b>[PML-RA &amp; JAK-ST]</b>   <b>[ -TP53 &amp; JAK-ST]</b>	<b>NOTCH1 &amp; PML-RA &amp; TNFa-U</b>	<b>PTPN11 &amp; NOTCH1 &amp; PML-RA &amp; TNFa-U</b>
TP   FP Specificity	1   0	3   2	9   2	9   2	2   0	4   2	4   0	5   0
FN   TN Precision	11   13	9   11	3   11	3   11	10   13	8   11	8   13	7   13
Recall	0.083	0.85 0.6 0.25	0.85 0.82 0.75	0.85 0.82 0.75	1 1 0.17	0.85 0.67 0.33	1 1 0.33	1 1 0.42

LAML  
 id: 258 name: STF-62247  
 target: stimulates autophagy class: other

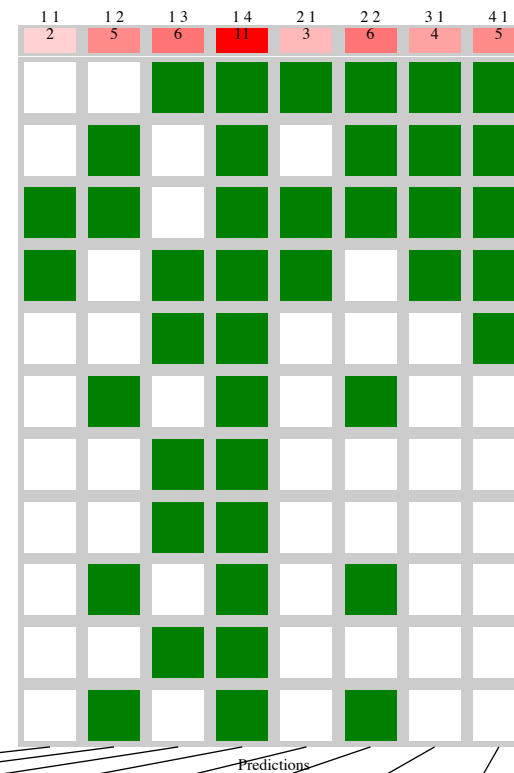
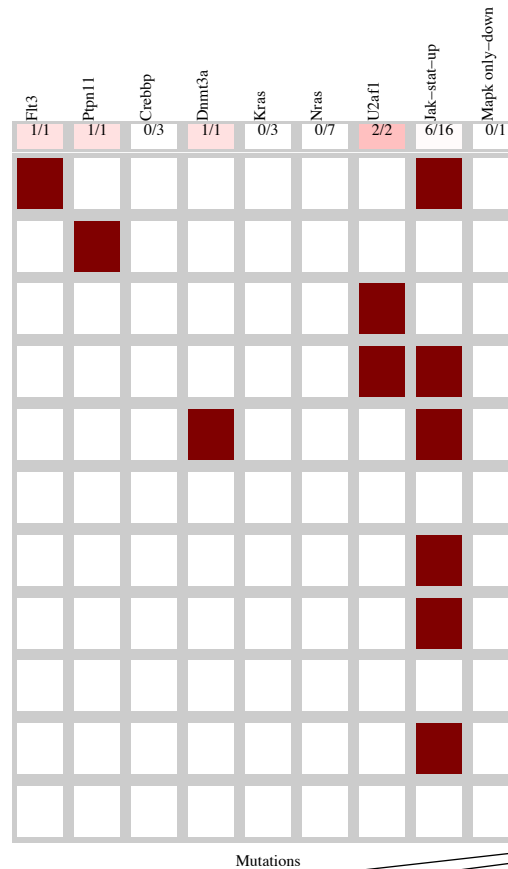
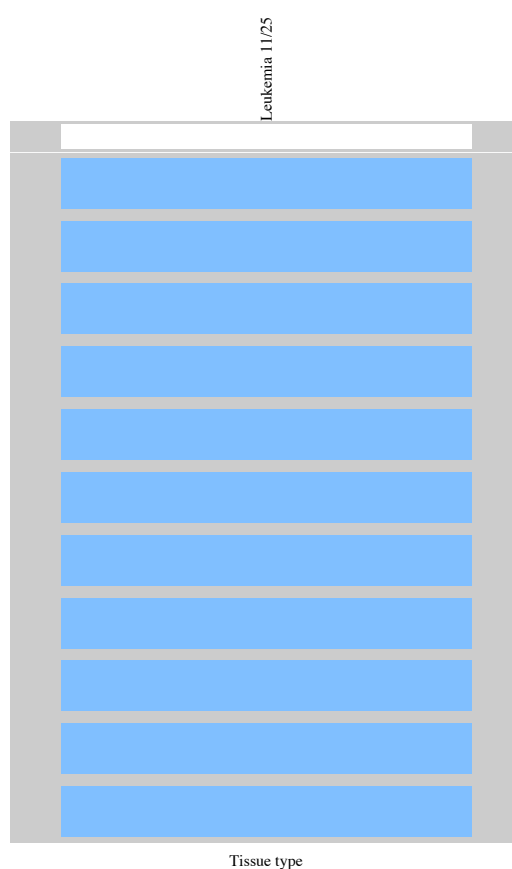
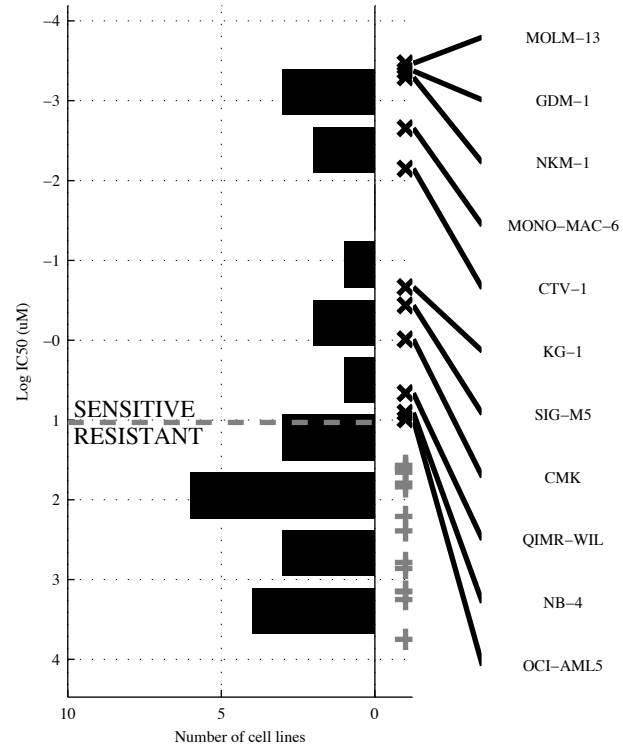
25 cell lines  
 17 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>H2O2-D</b>	<b>~NRAS&amp;JAK-ST</b>	<b>~CDKN2&amp;~d9p13&amp;JAK-ST</b>	<b>~NPM1&amp;CDKN2&amp;~d9p13&amp;JAK-ST</b>	<b>SACS   H2O2-D</b>	<b>[ TP53 &amp;JAK-ST ]   [ ~NRAS&amp;JAK-ST ]</b>	<b>SACS   TET2   H2O2-D</b>	<b>d6p21.   SACS   TET2   H2O2-D</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{4}{13} \mid \frac{0}{8}$ 1 0.24	$\frac{10}{7} \mid \frac{1}{7}$ 0.88 0.91 0.59	$\frac{13}{4} \mid \frac{1}{7}$ 0.88 0.93 0.76	$\frac{13}{4} \mid \frac{0}{8}$ 1 1 0.76	$\frac{7}{10} \mid \frac{0}{8}$ 1 1 0.41	$\frac{13}{4} \mid \frac{1}{7}$ 0.88 0.93 0.76	$\frac{9}{8} \mid \frac{0}{8}$ 1 1 0.53	$\frac{10}{7} \mid \frac{0}{8}$ 1 1 0.59

LAML  
 id: 260 name: NG-25  
 target: MAP3K7 (TAK1) class: other

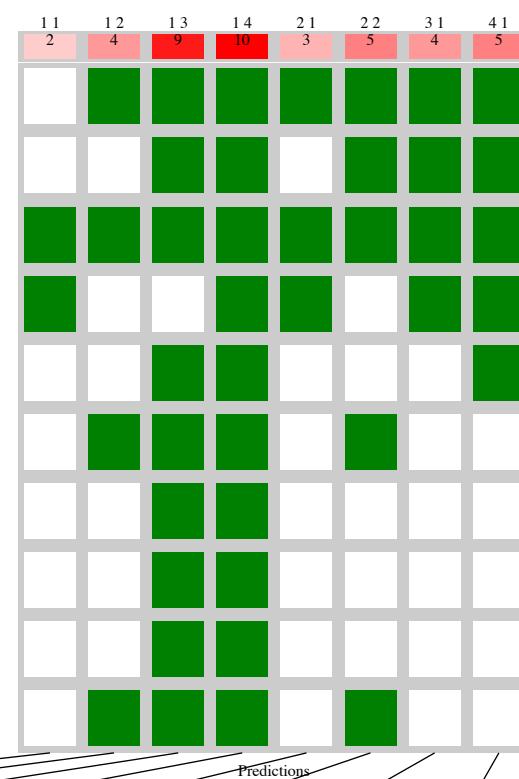
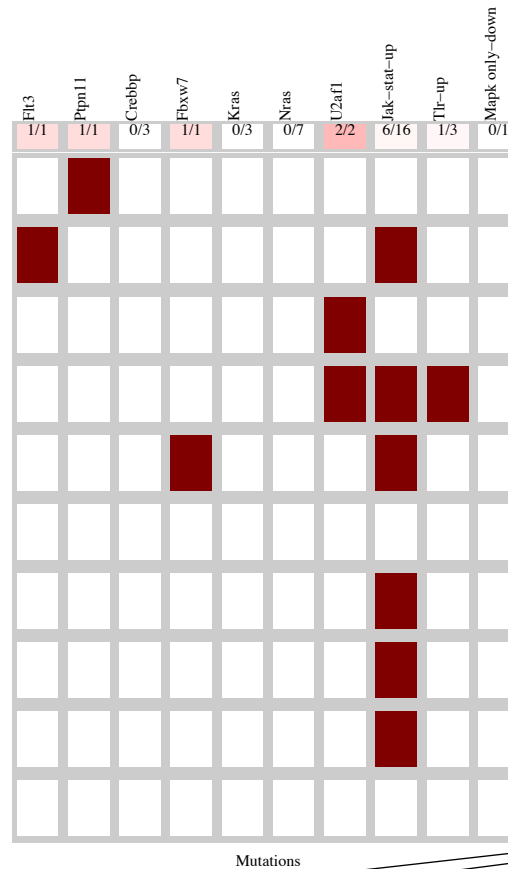
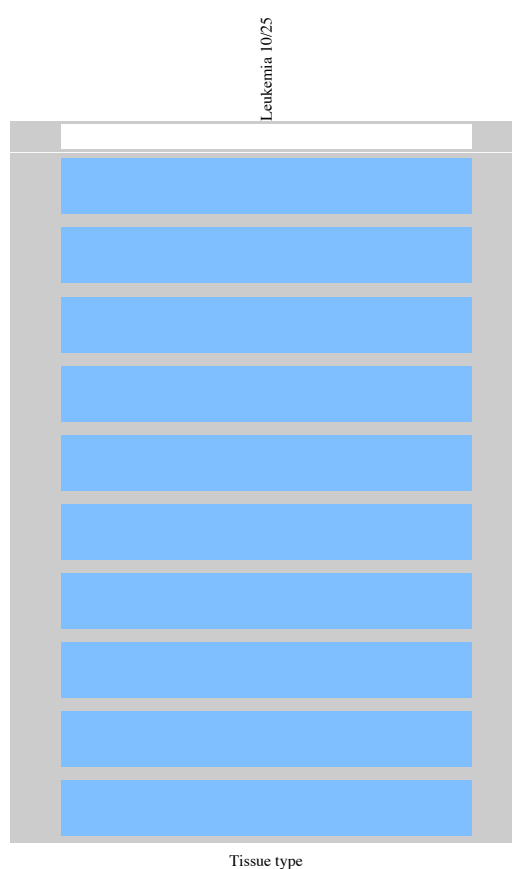
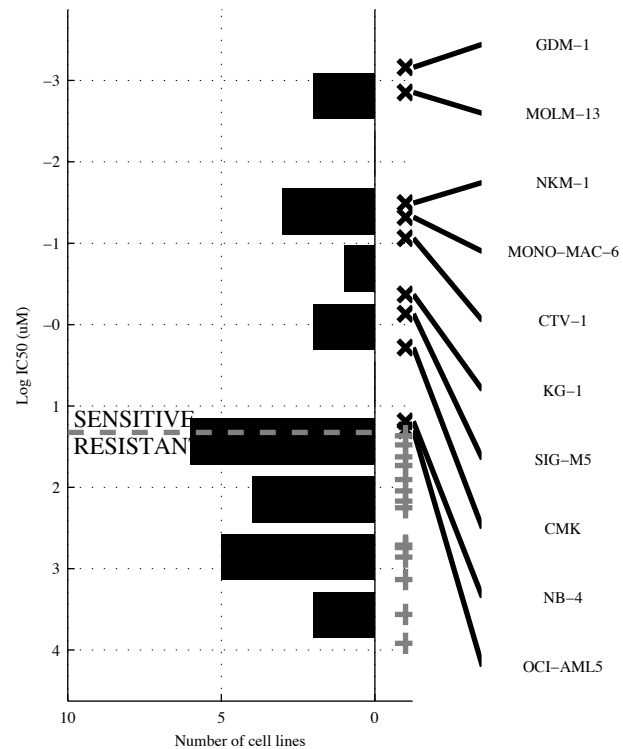
25 cell lines  
 11 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>U2AF1</b>	<b>-NRAS&amp;JAK-ST</b>	<b>-KRAS&amp;-NRAS&amp;JAK-ST</b>	<b>-CREBBP&amp;-KRAS&amp;-NRAS&amp;MAPK o</b>	<b>FLT3   U2AF1</b>	<b>[ -NRAS&amp;JAK-ST ]   [ FLT3 &amp;-NRAS ]</b>	<b>FLT3   PTPN11   U2AF1</b>	<b>FLT3   PTPN11   DNMT3A   U2AF1</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{2}{9} \mid \frac{0}{14}$ 1 0.18	$\frac{5}{6} \mid \frac{2}{12}$ 0.86 0.71 0.45	$\frac{6}{5} \mid \frac{2}{12}$ 0.86 0.75 0.55	$\frac{11}{0} \mid \frac{2}{12}$ 0.86 0.85 1	$\frac{3}{8} \mid \frac{0}{14}$ 1 0.27	$\frac{6}{5} \mid \frac{2}{12}$ 0.86 0.75 0.55	$\frac{4}{7} \mid \frac{0}{14}$ 1 0.36	$\frac{5}{6} \mid \frac{0}{14}$ 1 0.45

LAML  
 id: 261 name: TL-1-85  
 target: MAP3K7 (TAK1) class: other

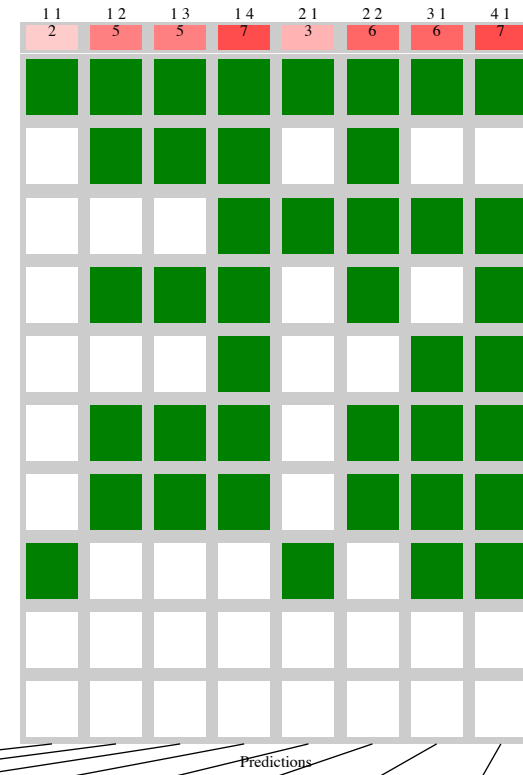
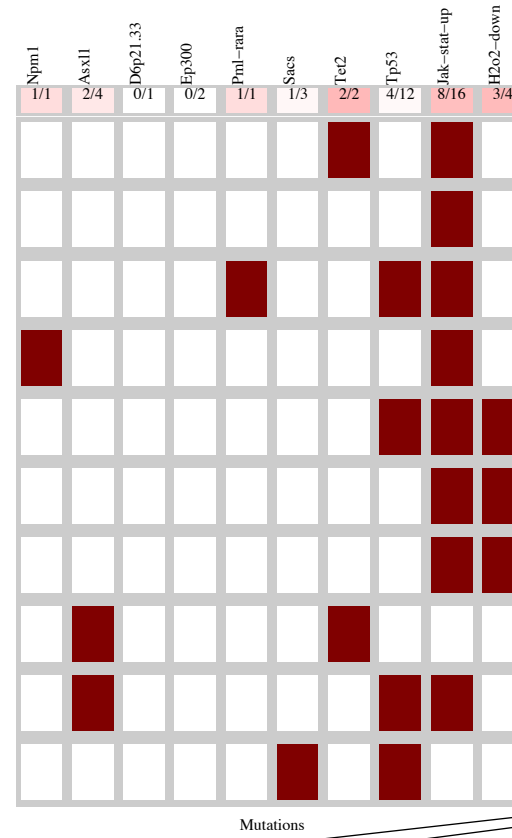
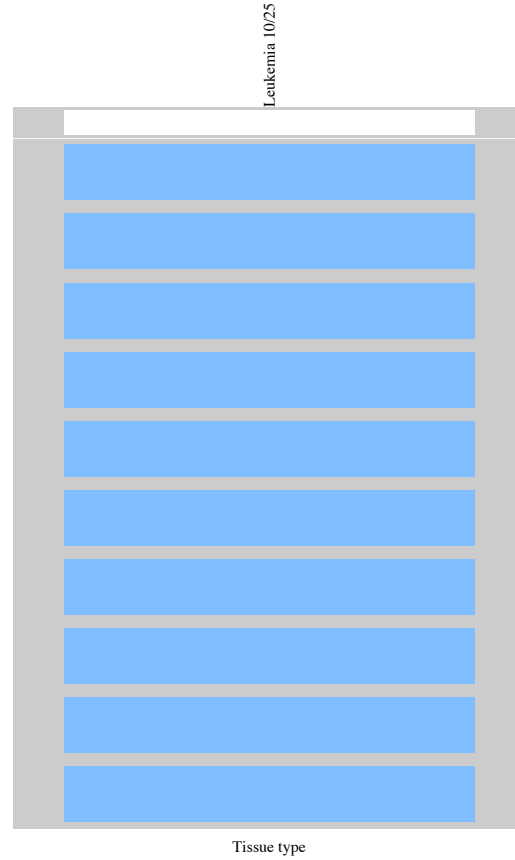
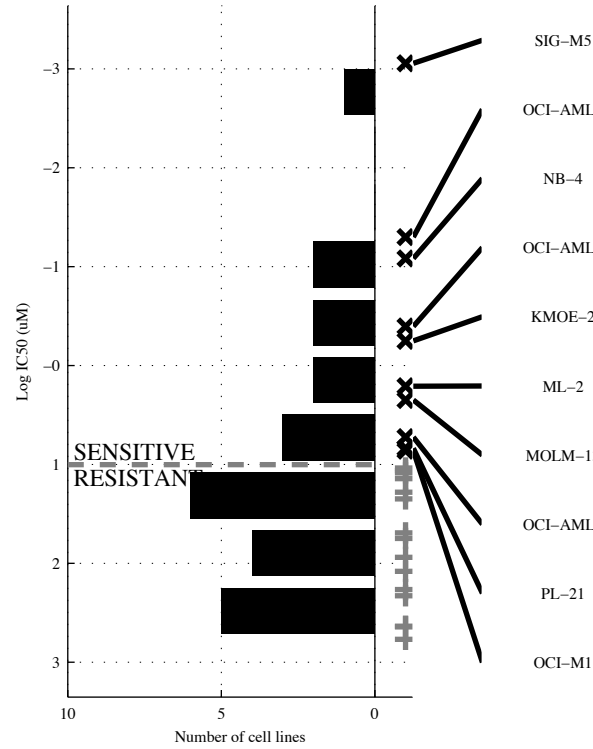
25 cell lines  
 10 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>U2AF1</b>	<b>-NRAS &amp; JAK-ST</b>	<b>-KRAS &amp; -NRAS &amp; -TLR-UP</b>	<b>-CREBBP &amp; -KRAS &amp; -NRAS &amp; MAPK o</b>	<b>PTPN11   U2AF1</b>	<b>[ -NRAS &amp; JAK-ST ]   [ FLT3 &amp; ]</b>	<b>FLT3   PTPN11   U2AF1</b>	<b>FLT3   PTPN11   FBXW7   U2AF1</b>
TP   FP	2   0	4   3	9   3	10   3	3   0	5   3	4   0	5   0
Specificity	1	0.8	0.8	0.8	1	0.8	1	1
FN   TN	8   15	6   12	1   12	0   12	7   15	5   12	6   15	5   15
Precision	1	0.57	0.75	0.77	1	0.63	1	1
Recall	0.2	0.4	0.9	1	0.3	0.5	0.4	0.5

LAML  
 id: 262 name: VX-11e  
 target: ERK class: ERK MAPK signaling

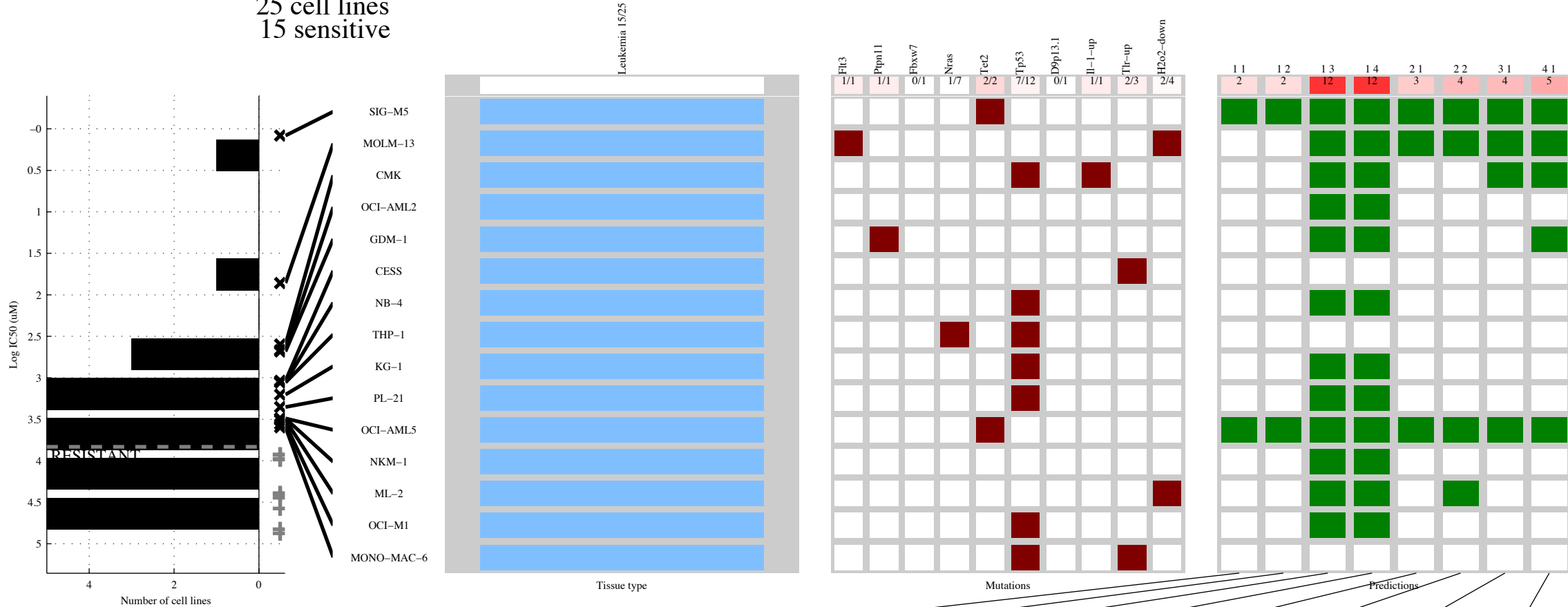
25 cell lines  
 10 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>TET2</b>	<b>-TP53 &amp; JAK-ST</b>	<b>-SACS &amp; -TP53 &amp; JAK-ST</b>	<b>-ASXL1 &amp; -d6p21 &amp; -EP300 &amp; JAK-ST</b>	<b>PML-RA TET2</b>	[ <b>-TP53 &amp; JAK-ST</b>   <b>PML-RA &amp;</b> ]	<b>PML-RA TET2</b>   <b>H2O2-D</b>	<b>NPM1 PML-RA TET2</b>   <b>H2O2-D</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{2}{8} \mid \frac{0}{15}$ 1 0.2	$\frac{5}{5} \mid \frac{3}{12}$ 0.8 0.63 0.5	$\frac{5}{5} \mid \frac{2}{13}$ 0.87 0.71 0.5	$\frac{7}{3} \mid \frac{3}{12}$ 0.8 0.7 0.7	$\frac{3}{7} \mid \frac{0}{15}$ 1 1 0.3	$\frac{6}{4} \mid \frac{3}{12}$ 0.8 0.67 0.6	$\frac{6}{4} \mid \frac{1}{14}$ 0.93 0.86 0.6	$\frac{7}{3} \mid \frac{1}{14}$ 0.93 0.88 0.7

LAML  
 id: 263 name: FR-180204  
 target: ERK class: ERK MAPK signaling

25 cell lines  
 15 sensitive

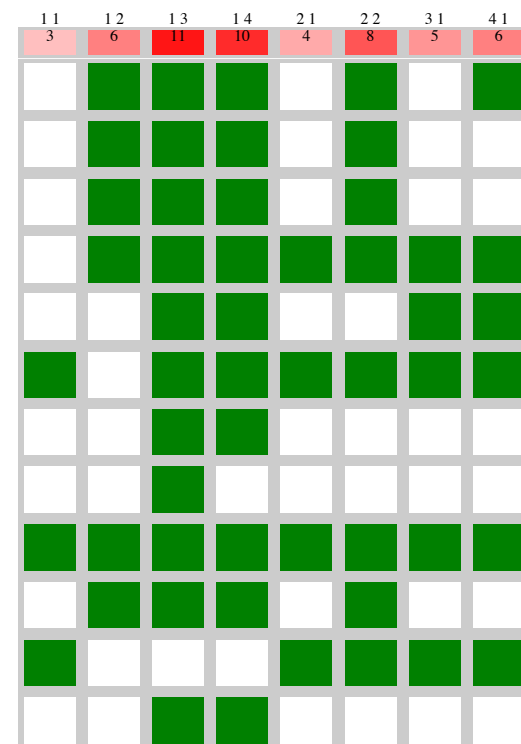
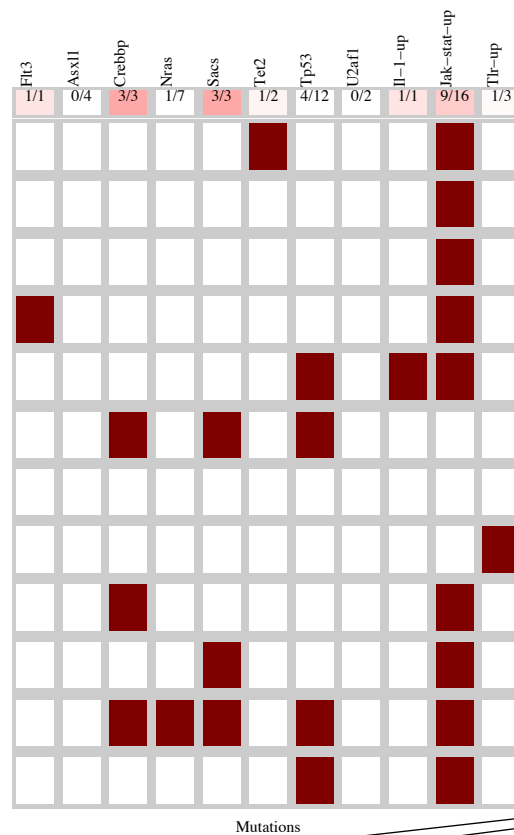
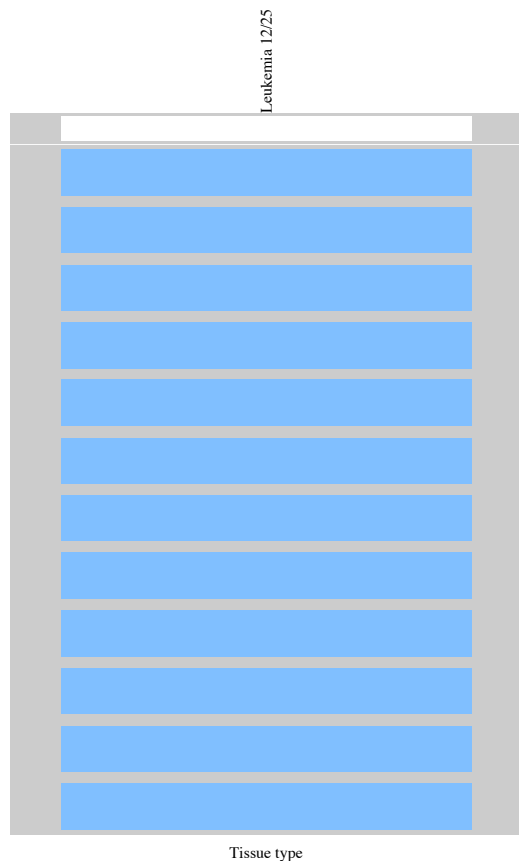
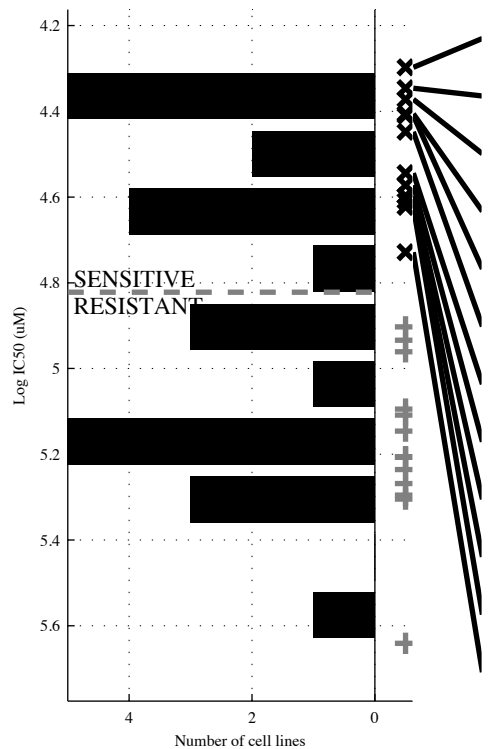


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>TET2</b>	<b>TET2 &amp;</b>	<b>-NRAS &amp; -d9p13 &amp;</b> <b>-TLR-UP</b>	<b>-FBXW &amp; -NRAS &amp;</b> <b>-d9p13 &amp; TLR-UP</b>	<b>FLT3   TET2</b>	<b>[ -NRAS &amp; H2O2-D ]</b> <b> </b> <b>[ TET2 &amp; -TP53 ]</b>	<b>FLT3   TET2  </b> <b>IL-1-U</b>	<b>FLT3   PTPN11  </b> <b>TET2   IL-1-U</b>
TP   FP	2   0	2   0	12   2	12   1	3   0	4   0	4   0	5   0
FN   TN	13   10	13   10	3   8	3   9	12   10	11   10	11   10	10   10
Specificity	1	1	0.8	0.9	1	1	1	1
Precision	1	1	0.86	0.92	1	1	1	1
Recall	0.13	0.13	0.8	0.8	0.2	0.27	0.27	0.33



LAML  
 id: 266 name: Zibotentan, ZD4054  
 target: Endothelin A Receptor class: other

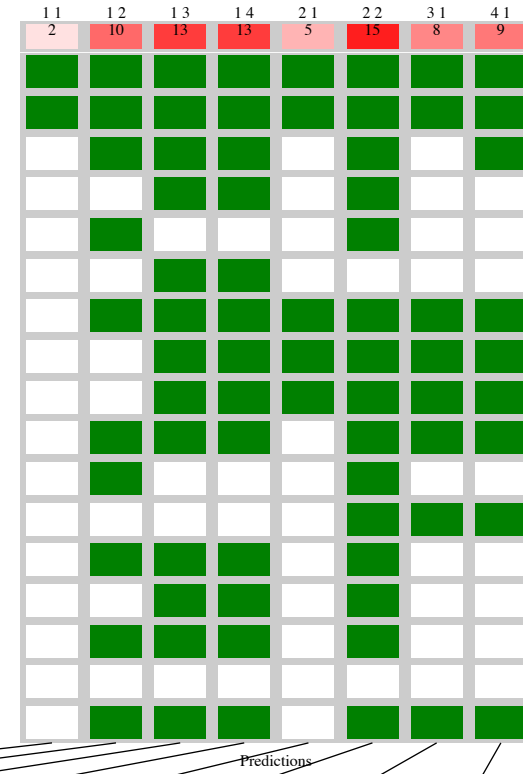
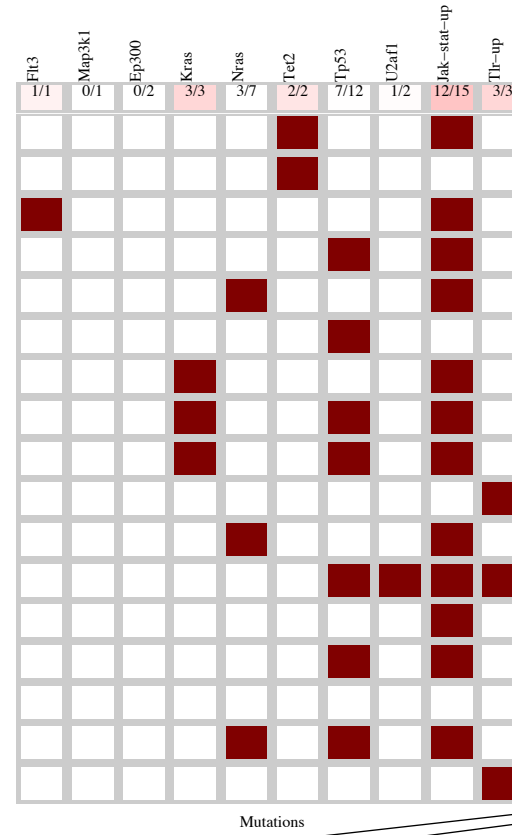
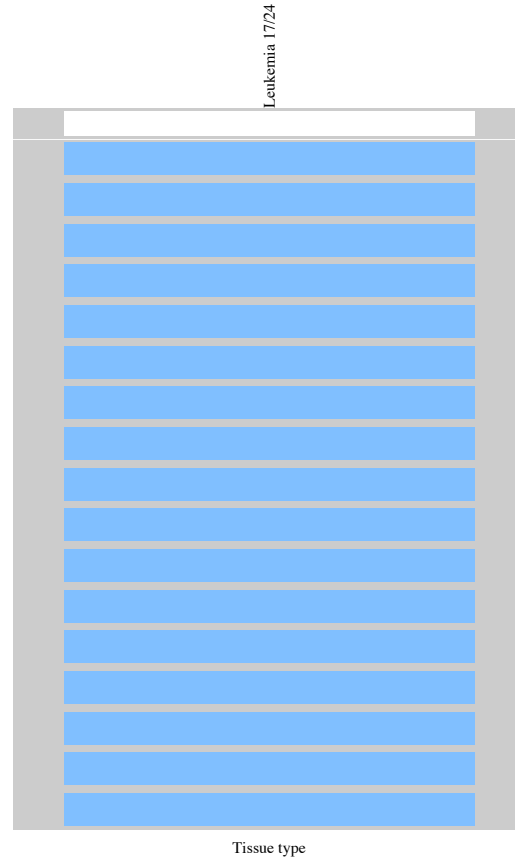
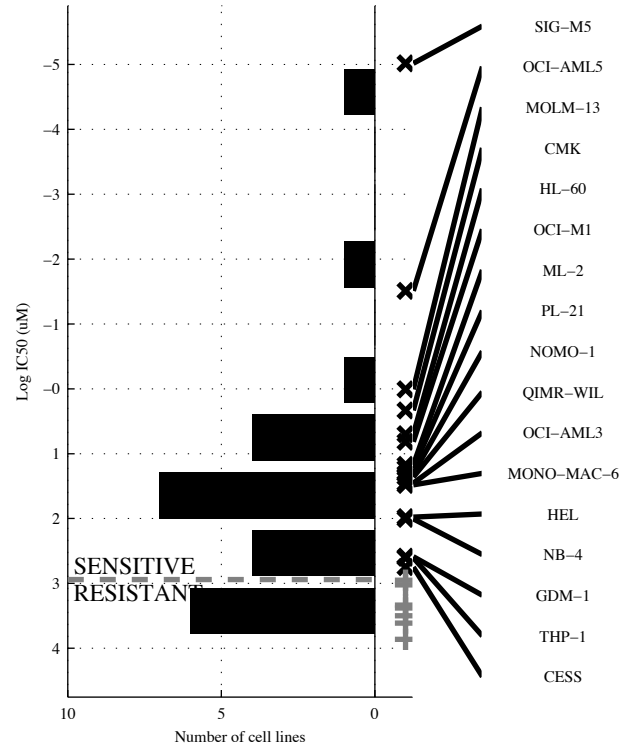
25 cell lines  
 12 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>CREBBP</b>	<b>-TP53 &amp; JAK-ST</b>	<b>-ASXL1 &amp; -NRAS &amp; -U2AF1</b>	<b>-ASXL1 &amp; -NRAS &amp; -U2AF1 &amp; TLR-UP</b>	<b>FLT3   CREBBP</b>	<b>[ -TP53 &amp; JAK-ST ]   [ SACS &amp; -U2AF1 ]</b>	<b>FLT3   CREBBP   IL-1-U</b>	<b>FLT3   CREBBP   TET2   IL-1-U</b>
TP   FP Specificity	3   0 1	6   2 0.85	11   2 0.85	10   1 0.92	4   0 1	8   2 0.85	5   0 1	6   1 0.92
FN   TN Precision	9   13 1	6   11 0.75	1   11 0.85	2   12 0.91	8   13 1	4   11 0.8	7   13 1	6   12 0.86
Recall	0.25	0.5	0.92	0.83	0.33	0.67	0.42	0.5

LAML  
 id: 271 name: VNLG124  
 target: HDAC, RAR class: chromain histone acetylation

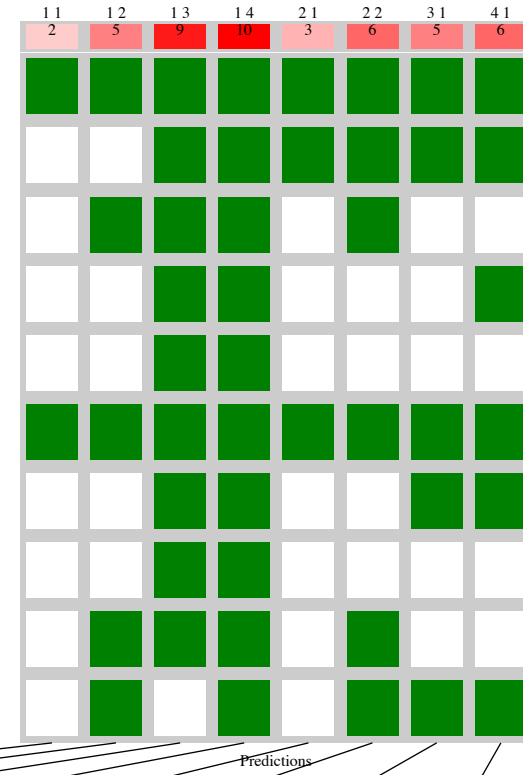
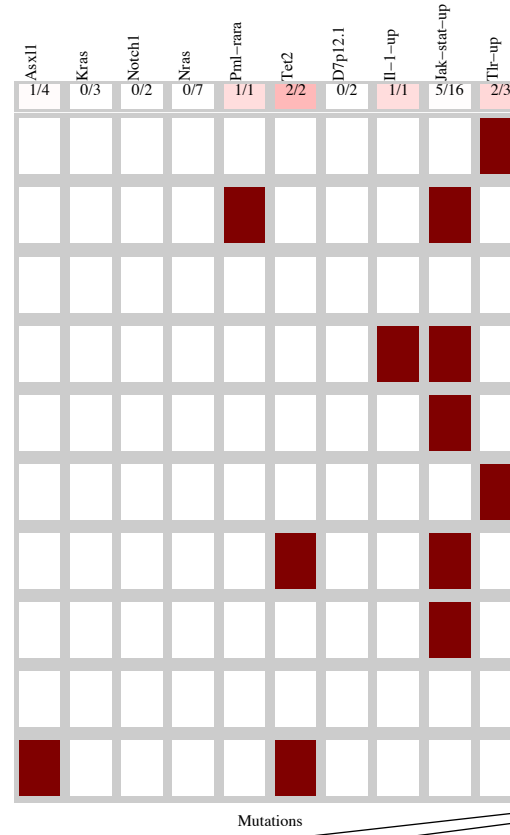
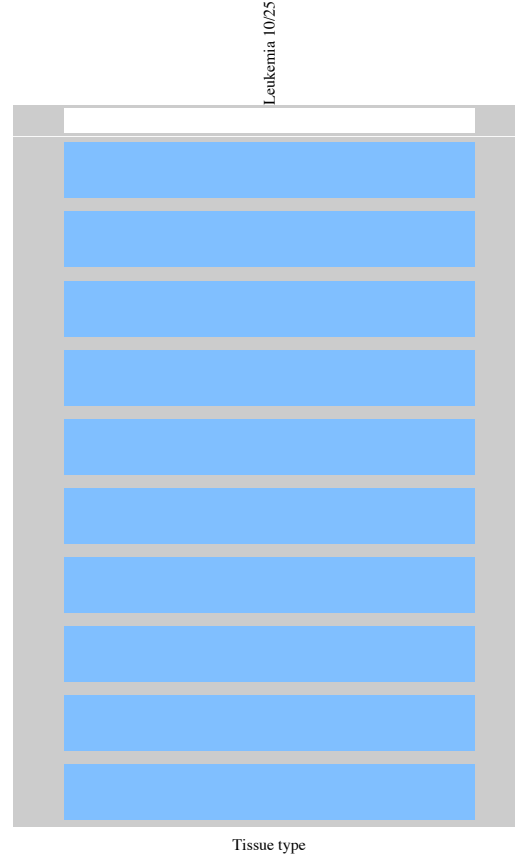
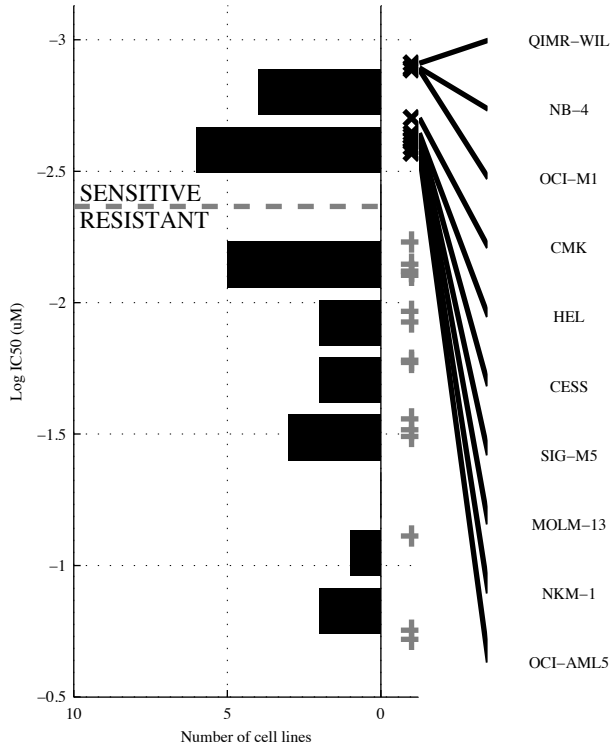
24 cell lines  
 17 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>TET2</b>	<b>-TP53 &amp; -U2AF1</b>	<b>-EP300 &amp; -NRAS &amp; -U2AF1</b>	<b>-MAP3K &amp; -NRAS &amp; -U2AF1 &amp;</b>	<b>KRAS   TET2</b>	<b>[ -NRAS &amp; JAK-ST ]   [ -TP53 &amp; -U2AF1 ]</b>	<b>KRAS   TET2   TLR-UP</b>	<b>FLT3   KRAS   TET2   TLR-UP</b>
TP   FP Specificity FN   TN Precision Recall	2   0 1 15   7 1 0.12	10   1 0.86 7   6 0.91 0.59	13   1 0.86 4   6 0.93 0.76	13   1 0.86 4   6 0.93 0.76	5   0 1 12   7 1 0.29	15   1 0.86 2   6 0.94 0.88	8   0 1 9   7 1 0.47	9   0 1 8   7 1 0.53

LAML  
 id: 272 name: AR-42  
 target: HDAC class: chromain histone acetylation

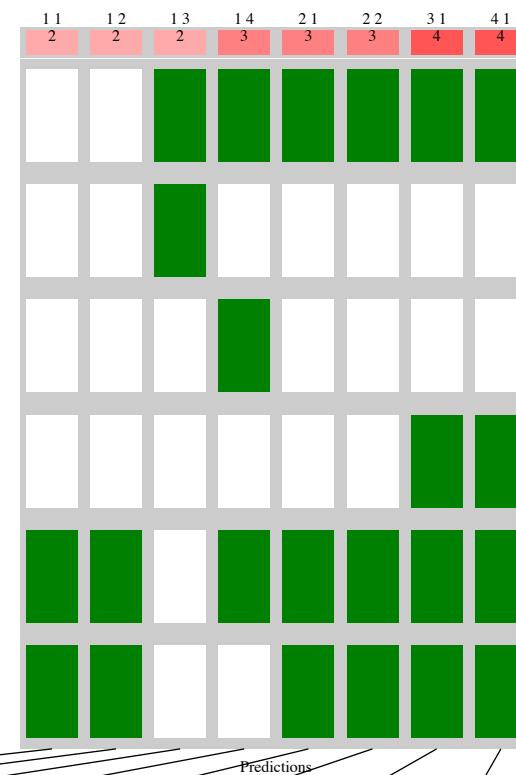
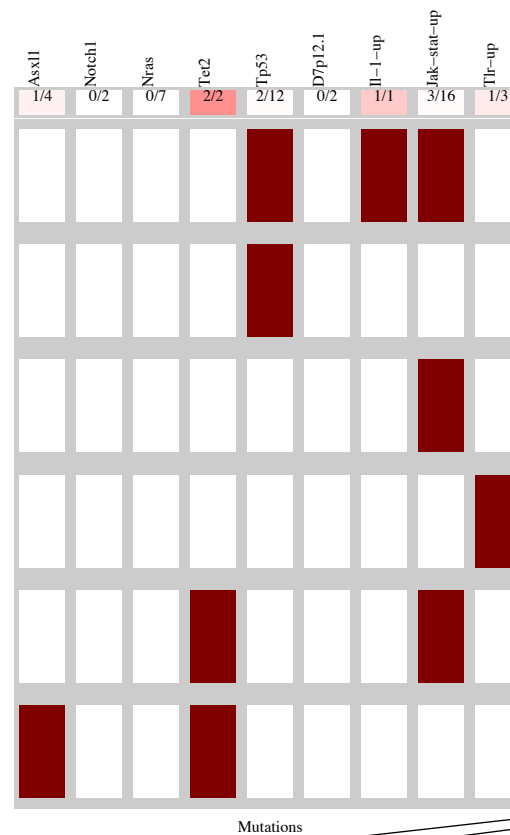
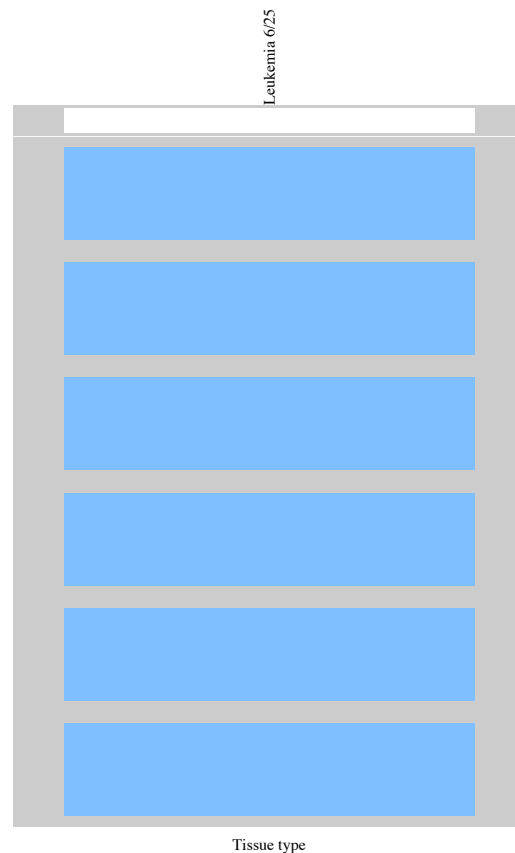
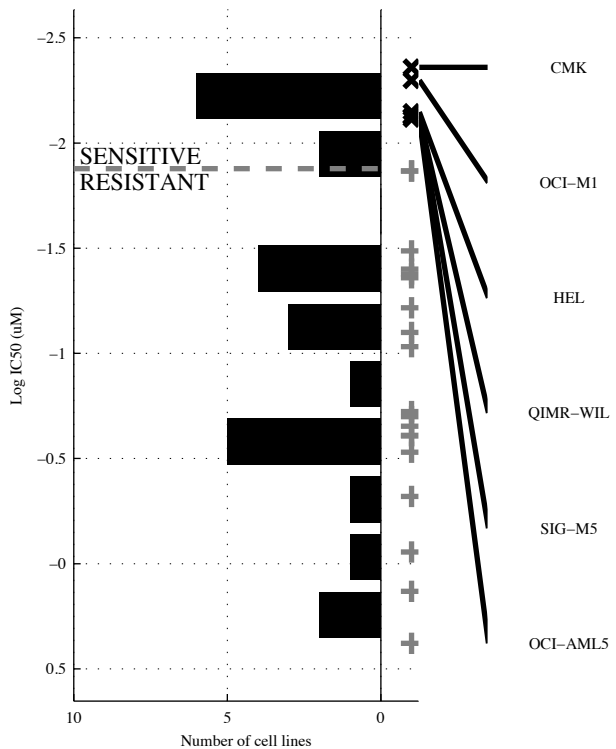
25 cell lines  
 10 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>TLR-UP</b>	<b>-NRAS&amp;JAK-ST</b>	<b>-ASXL1&amp;NOTCH1</b> <b>-NRAS</b>	<b>-KRAS&amp;NOTCH1</b> <b>-NRAS&amp;-d7p12.</b>	<b>PML-RA TLR-UP</b>	<b>[PML-RA&amp; ]</b> <b>[ -NRAS&amp;JAK-ST]</b>	<b>PML-RA  TET2  </b> <b>TLR-UP</b>	<b>PML-RA  TET2  </b> <b>IL-1-U  TLR-UP</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{2}{8} \mid \frac{1}{14}$ 0.93 0.67 0.2	$\frac{5}{5} \mid \frac{2}{13}$ 0.87 0.71 0.5	$\frac{9}{1} \mid \frac{3}{12}$ 0.8 0.75 0.9	$\frac{10}{0} \mid \frac{3}{12}$ 0.8 0.77 1	$\frac{3}{7} \mid \frac{1}{14}$ 0.93 0.75 0.3	$\frac{6}{4} \mid \frac{2}{13}$ 0.87 0.75 0.6	$\frac{5}{5} \mid \frac{1}{14}$ 0.93 0.83 0.5	$\frac{6}{4} \mid \frac{1}{14}$ 0.93 0.86 0.6

LAML  
 id: 274 name: PXD101, Belinostat  
 target: HDAC class: chromain histone acetylation

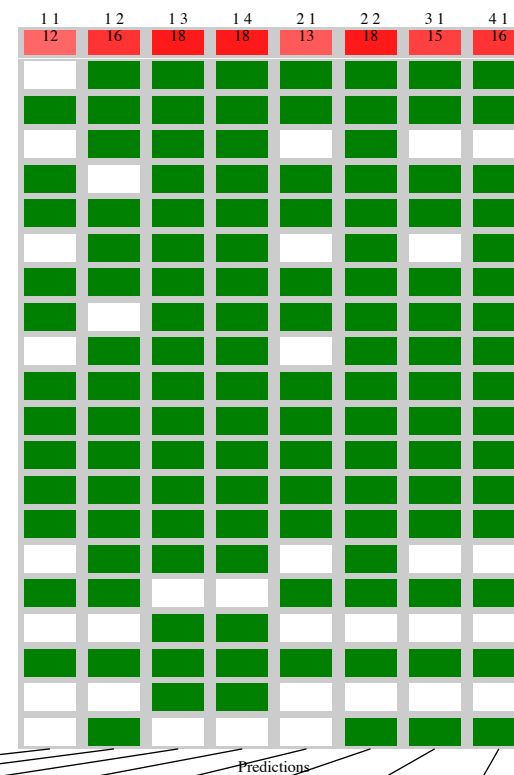
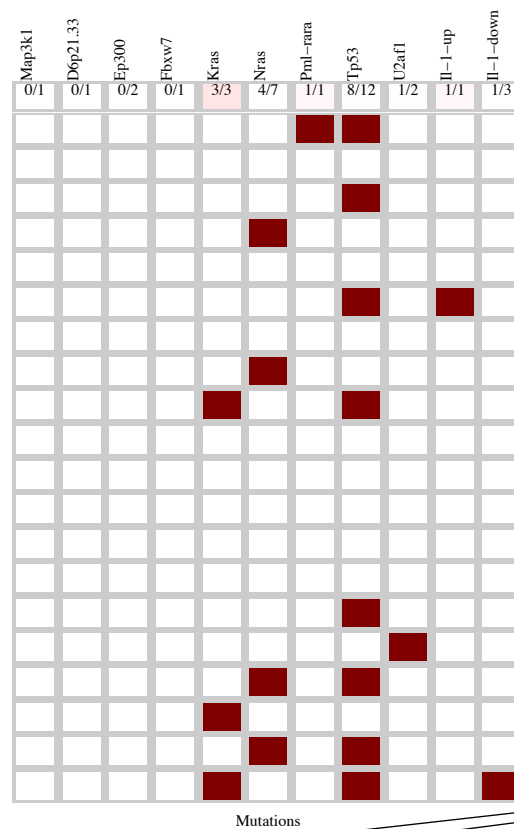
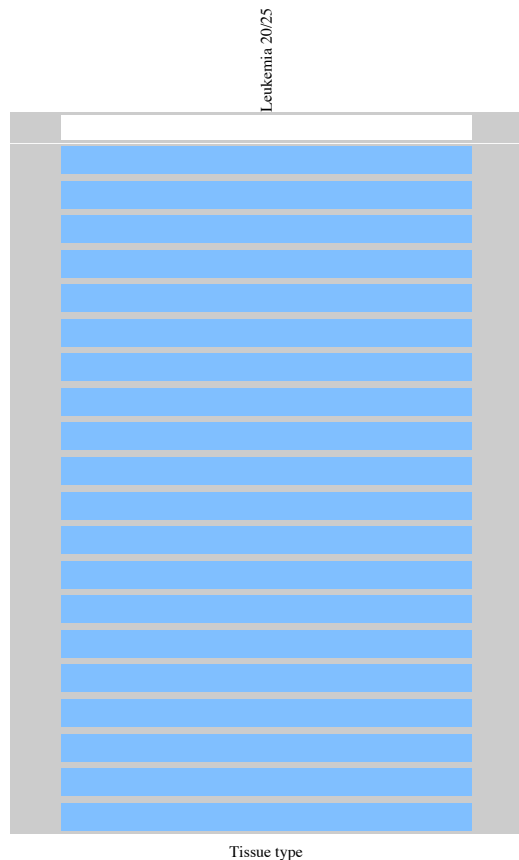
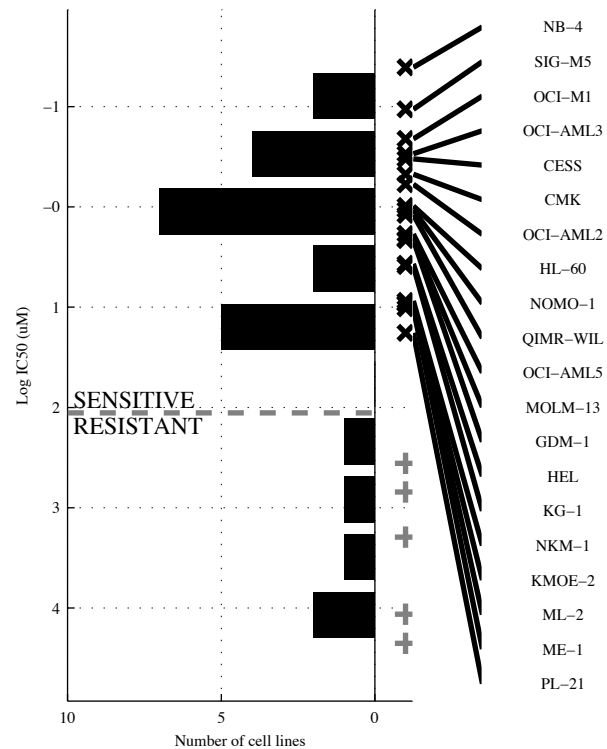
25 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>TET2</b>	<b>TET2 &amp;</b>	<b>-ASXL1 &amp; -NRAS &amp; TP53</b>	<b>-ASXL1 &amp; NOTCH1 &amp; -NRAS &amp; JAK-ST</b>	<b>TET2   IL-1-U</b>	<b>[ -NRAS &amp; TET2 ]   [ -d7p12 &amp; IL-1-U ]</b>	<b>TET2   IL-1-U   TLR-UP</b>	<b>TET2   IL-1-U   TLR-UP</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{2}{4} \mid \frac{0}{19}$ 1 0.33	$\frac{2}{4} \mid \frac{0}{19}$ 1 0.33	$\frac{2}{4} \mid \frac{2}{17}$ 0.89 0.5 0.33	$\frac{3}{3} \mid \frac{3}{16}$ 0.84 0.5 0.5	$\frac{3}{3} \mid \frac{0}{19}$ 1 1 0.5	$\frac{3}{3} \mid \frac{0}{19}$ 1 1 0.5	$\frac{4}{2} \mid \frac{2}{17}$ 0.89 0.67 0.67	$\frac{4}{2} \mid \frac{2}{17}$ 0.89 0.67 0.67

LAML  
 id: 275 name: I-BET 151  
 target: BRD2, BRD3, BRD4 class: chromatin other

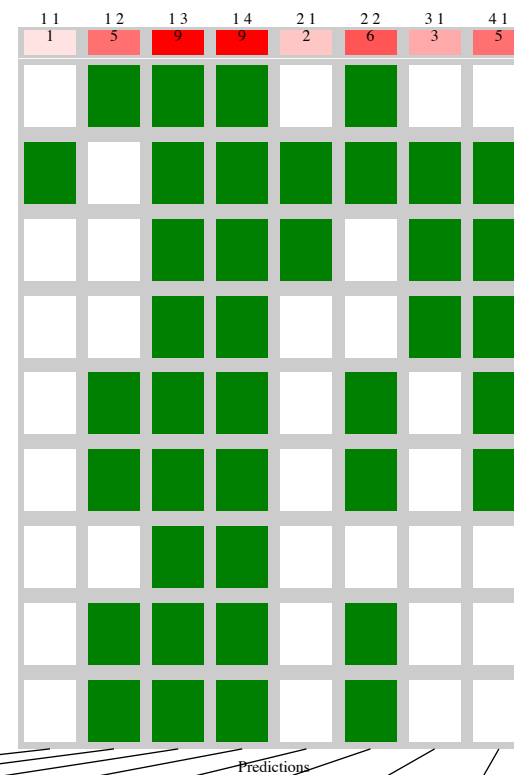
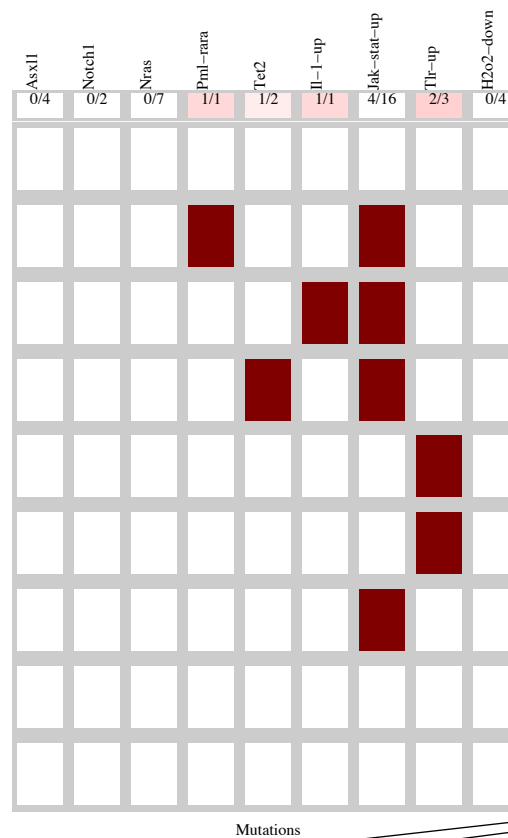
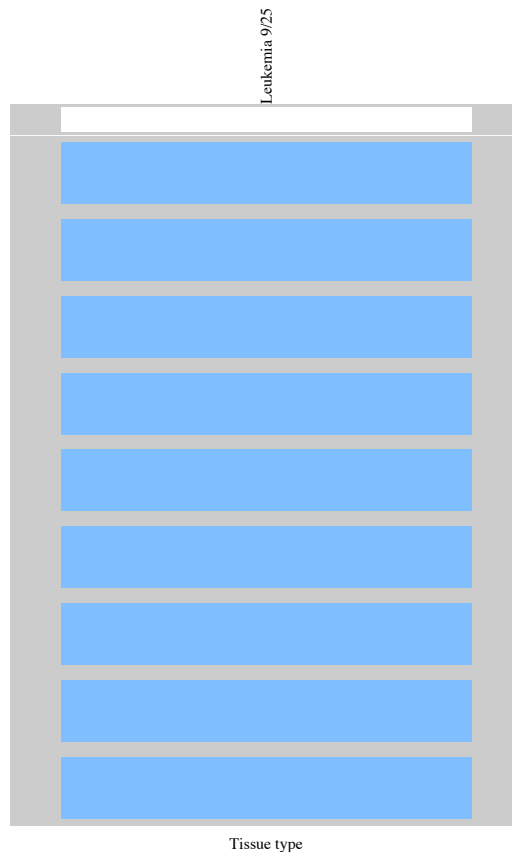
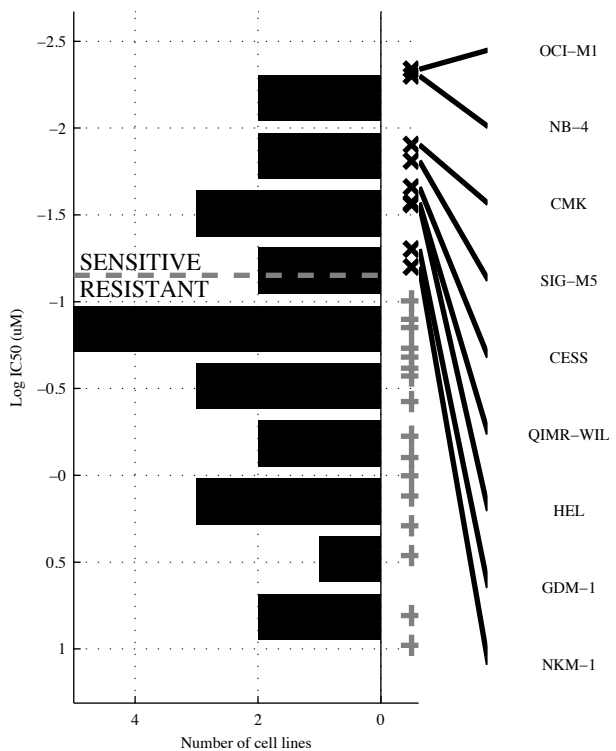
25 cell lines  
 20 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>-TP53</b>	<b>-EP300 &amp; -NRAS</b>	<b>-EP300 &amp; -U2AF1 &amp; -IL-1-D</b>	<b>-d6p21 &amp; -FBXW7 &amp; -U2AF1 &amp; -IL-1-D</b>	<b>PML-RAI -TP53</b>	<b>[ -FBXW7 &amp; -NRAS ]   [ -MAP3K &amp; -TP53 ]</b>	<b>KRAS PML-RAI -TP53</b>	<b>KRAS PML-RAI -TP53   IL-1-U</b>
TP   FP	12   1	16   1	18   1	18   0	13   1	18   1	15   1	16   1
Specificity	0.8	0.8	0.8	1	0.8	0.8	0.8	0.8
FN   TN	8   4	4   4	2   4	2   5	7   4	2   4	5   4	4   4
Precision	0.92	0.94	0.95	1	0.93	0.95	0.94	0.94
Recall	0.6	0.8	0.9	0.9	0.65	0.9	0.75	0.8

LAML  
 id: 276 name: CAY10603  
 target: HDAC6 class: chromain histone acetylation

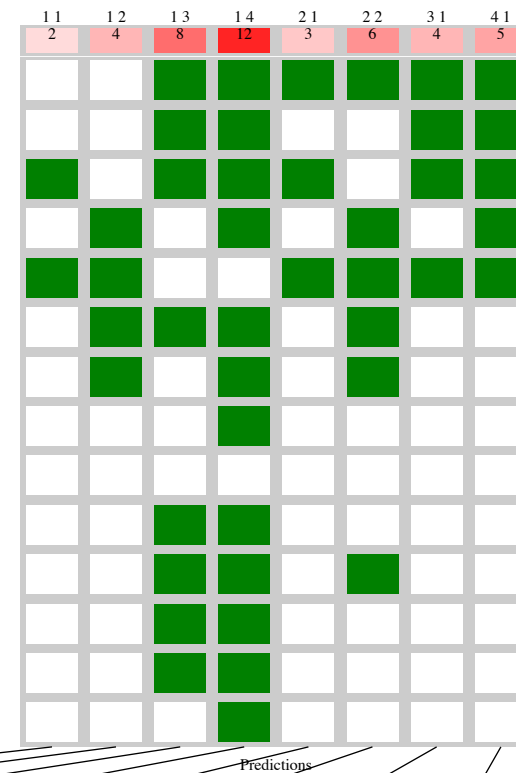
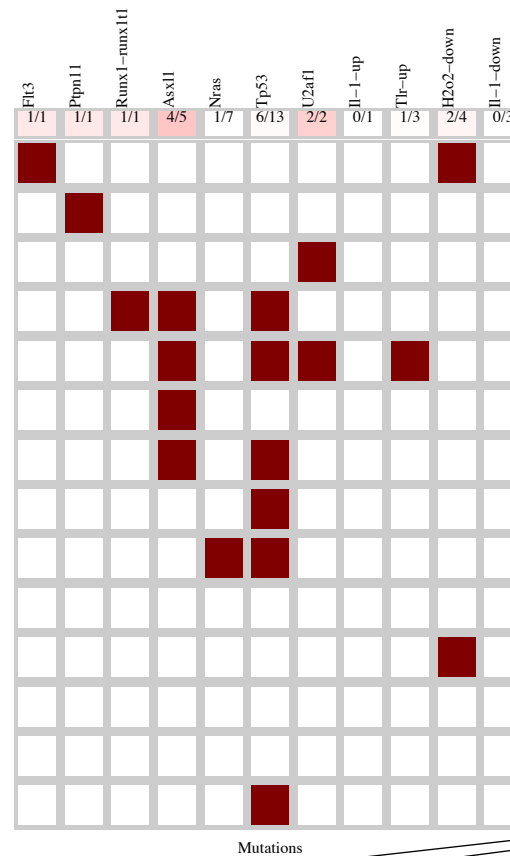
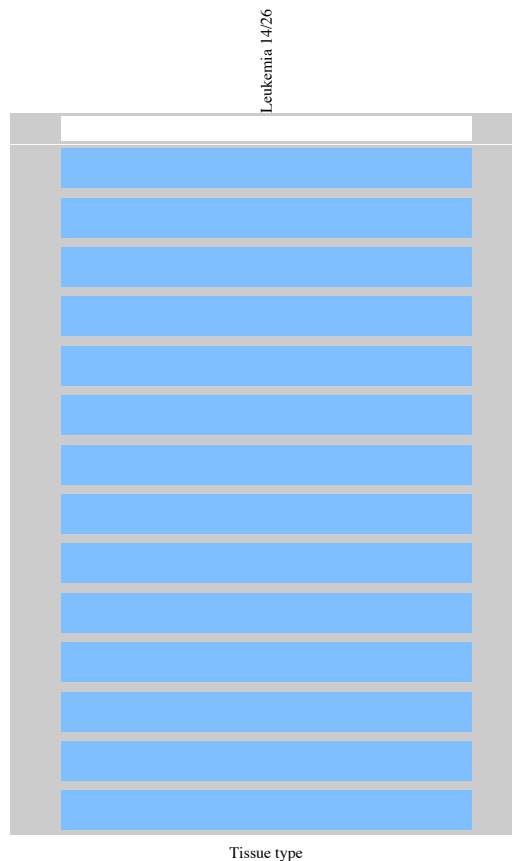
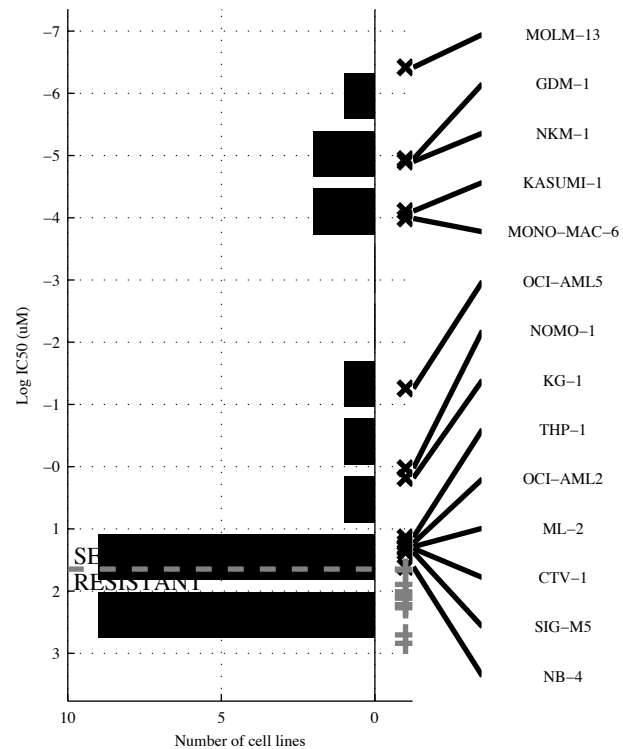
25 cell lines  
 9 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>PML-RA</b>	<b>¬NRAS &amp; JAK-ST</b>	<b>¬ASXL1 &amp; NOTCH1 &amp; ¬NRAS</b>	<b>¬ASXL1 &amp; NOTCH1 &amp; ¬NRAS &amp; H2O2-D</b>	<b>PML-RA   IL-1-U</b>	<b>[ ¬NRAS &amp; JAK-ST ]   [ ¬NRAS &amp; PML-RA ]</b>	<b>PML-RA   TET2   IL-1-U</b>	<b>PML-RA   TET2   IL-1-U   TLR-UP</b>
TP   FP Specificity	1   0 1	5   2 0.88	9   3 0.81	9   2 0.88	2   0 1	6   2 0.88	3   1 0.94	5   2 0.88
FN   TN Precision	8   16 0.11	4   14 0.71	0   13 0.75	0   14 0.82	7   16 0.22	3   14 0.75	6   15 0.75	4   14 0.71
Recall		0.56	1	1		0.67	0.33	0.56

LAML  
 id: 277 name: ABT-869  
 target: VEGFR and PDGFR family class: RTK signaling

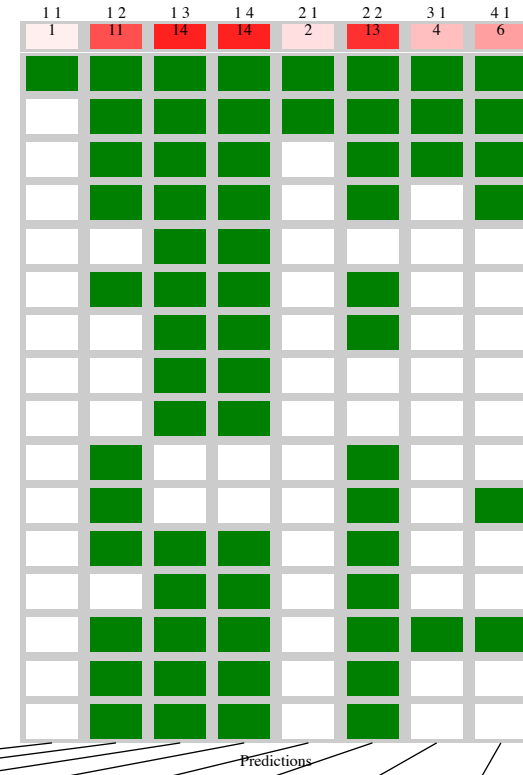
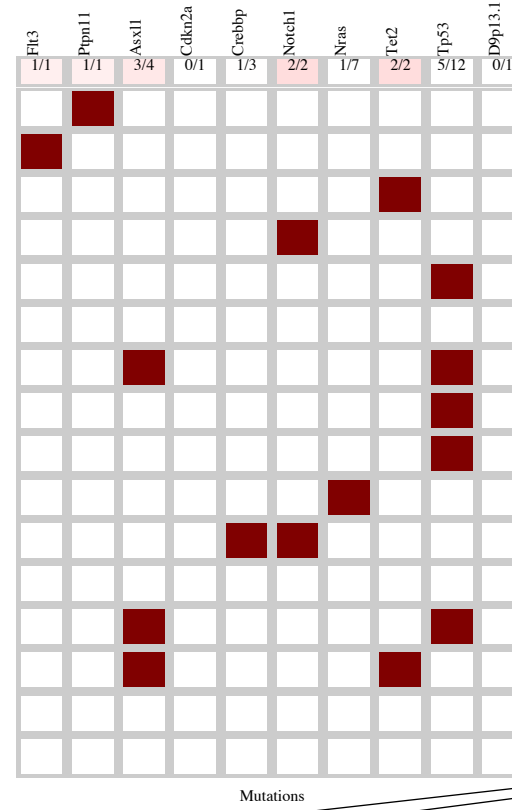
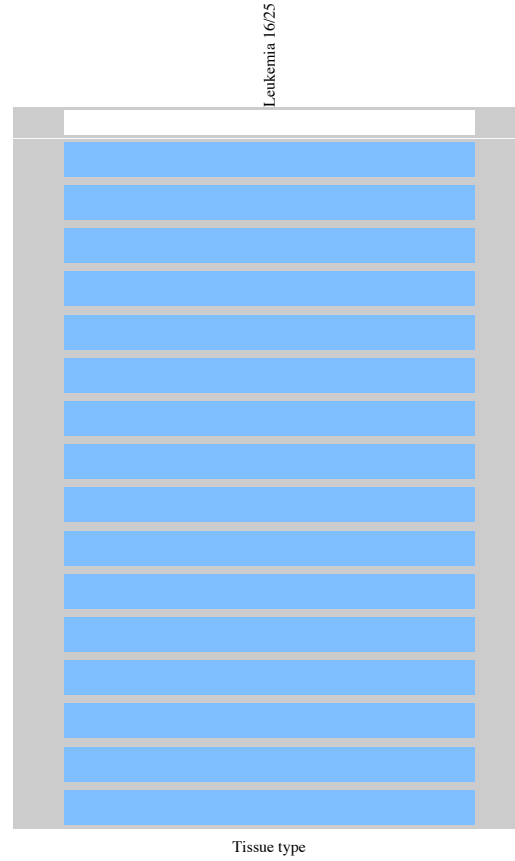
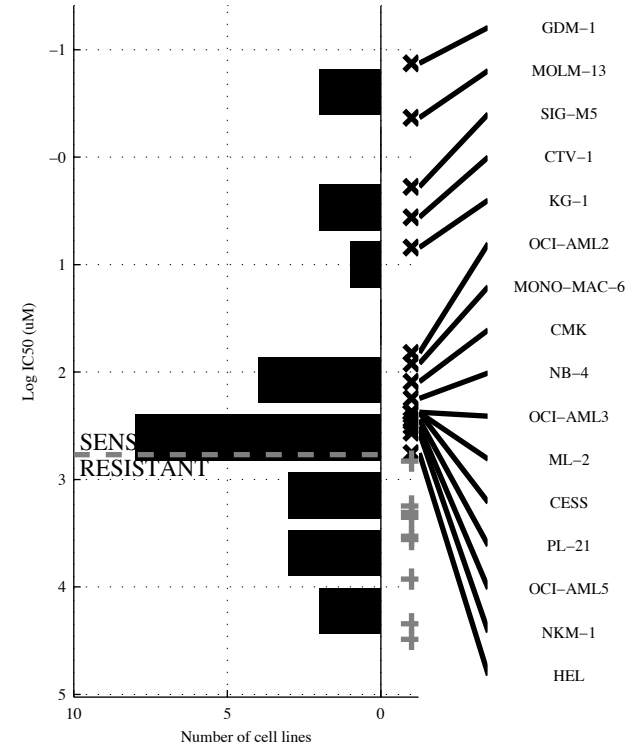
26 cell lines  
 14 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>U2AF1</b>	<b>ASXL1 &amp; <del>IL-1-D</del></b>	<b><del>NRAS</del> &amp; <del>TP53</del> &amp; <del>TLR-UP</del></b>	<b><del>NRAS</del> &amp; <del>IL-1-U</del> &amp; <del>TLR-UP</del> &amp; <del>IL-1-D</del></b>	<b>FLT3   U2AF1</b>	<b>[ ASXL1 &amp; <del>IL-1-D</del> ]   [ <del>NRAS</del> &amp; <del>H2O2-D</del> ]</b>	<b>FLT3   PTPN11   U2AF1</b>	<b>FLT3   PTPN11   RUNX1   U2AF1</b>
TP   FP	2   0	4   0	8   1	12   2	3   0	6   0	4   0	5   0
Specificity	1	1	0.92	0.83	1	1	1	1
FN   TN	12   12	10   12	6   11	2   10	11   12	8   12	10   12	9   12
Precision	1	1	0.89	0.86	1	1	1	1
Recall	0.14	0.29	0.57	0.86	0.21	0.43	0.29	0.36

LAML  
 id: 279 name: BIX02189  
 target: MAP2K5 (MEK5) class: other

25 cell lines  
 16 sensitive

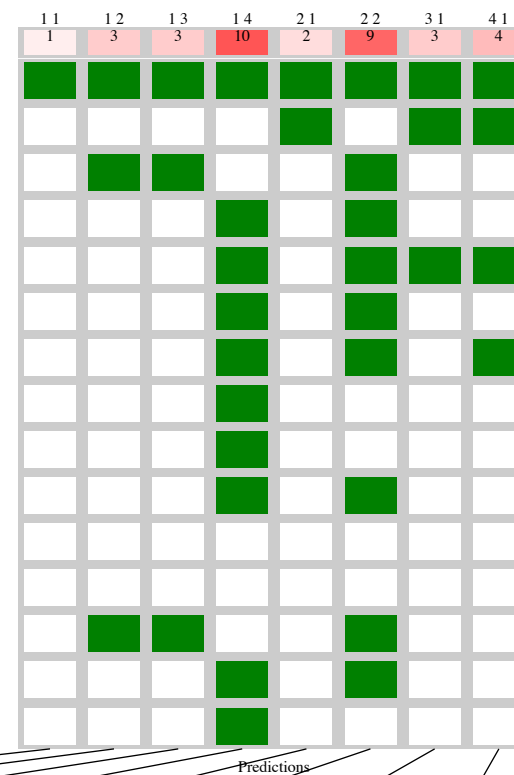
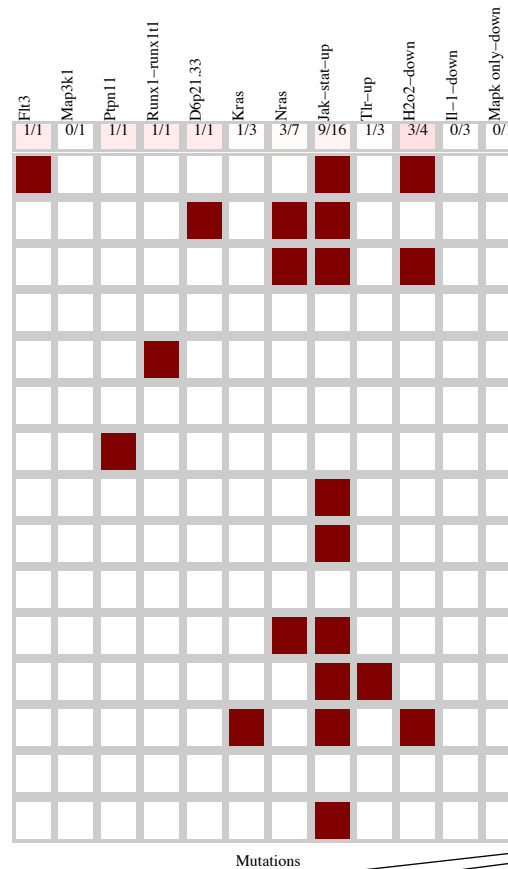
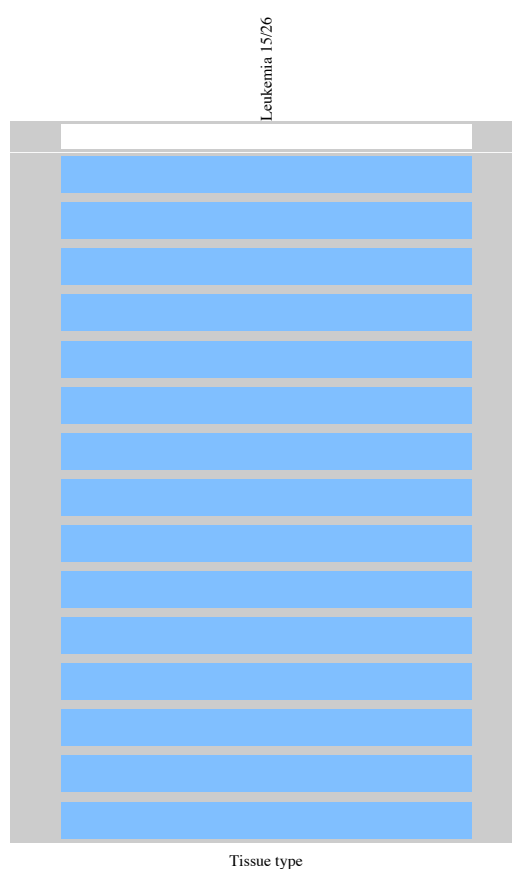
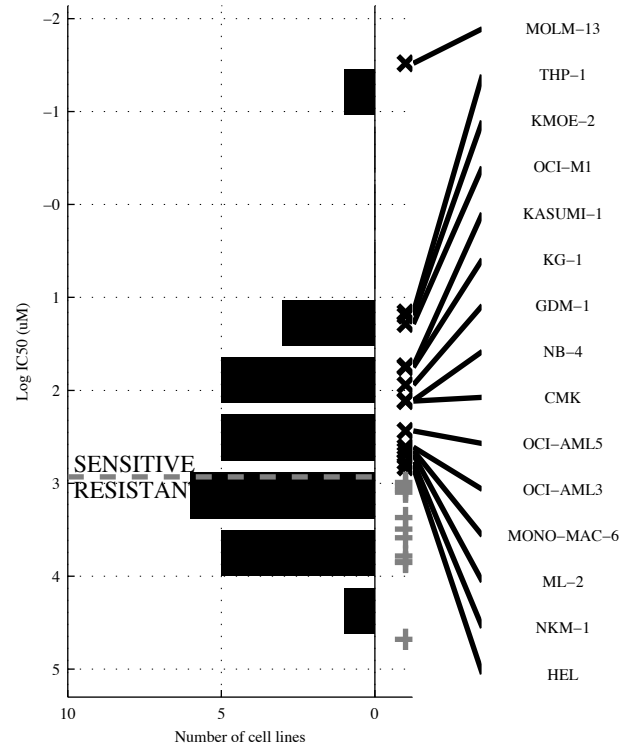


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>PTPN11</b>	<b>-CDKN2&amp;-TP53</b>	<b>-CREBB&amp;-NRAS&amp;-d9p13.</b>	<b>-CDKN2&amp;CREBB&amp;-NRAS&amp;-d9p13.</b>	<b>FLT3   PTPN11</b>	<b>[ ASXL1&amp;-d9p13. ]   [CDKN2&amp;-TP53 ]</b>	<b>FLT3   PTPN11   TET2</b>	<b>FLT3   PTPN11   NOTCH1   TET2</b>
TP   FP	1   0	11   1	14   1	14   1	2   0	13   1	4   0	6   0
FN   TN	15   9	5   8	2   8	2   8	14   9	3   8	12   9	10   9
Specificity	1	0.89	0.89	0.89	1	0.89	1	1
Precision	1	0.92	0.93	0.93	1	0.93	1	1
Recall	0.063	0.69	0.88	0.88	0.13	0.81	0.25	0.38



LAML  
 id: 281 name: CH5424802  
 target: ALK class: RTK signaling

26 cell lines  
 15 sensitive

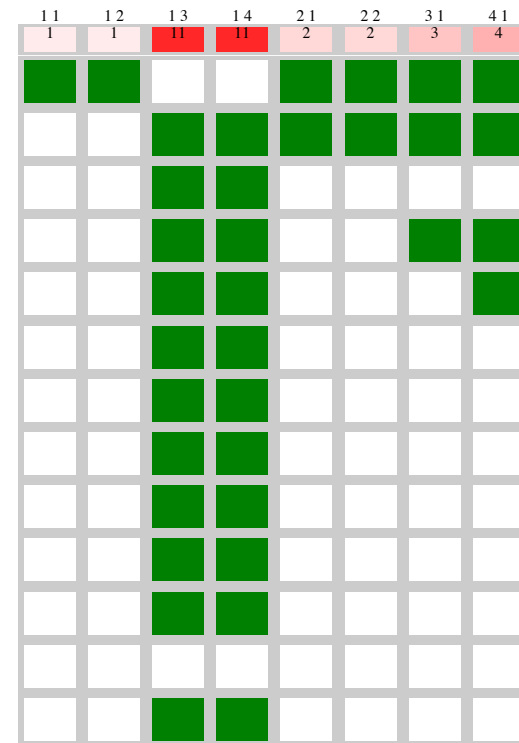
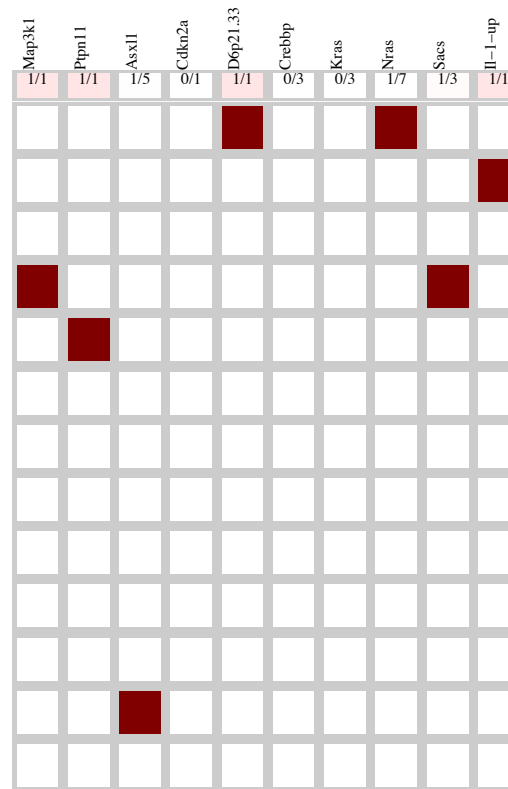
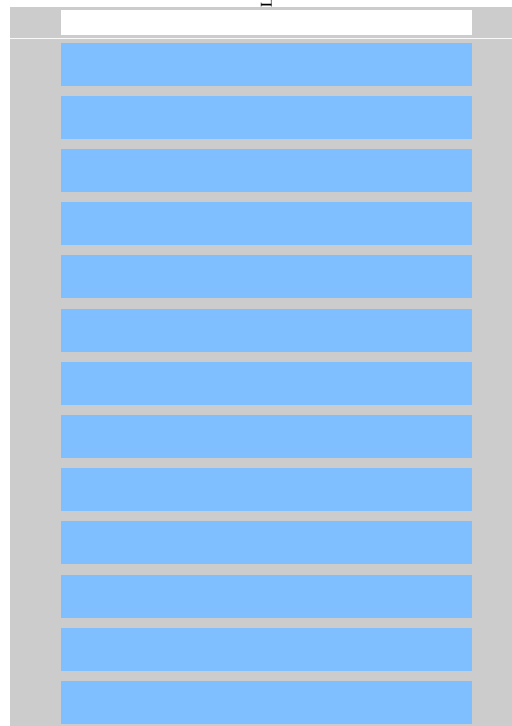
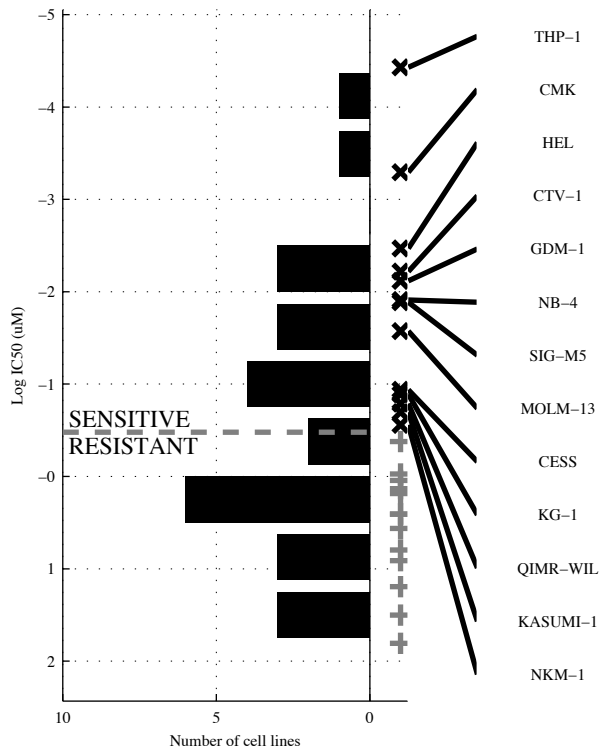


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>FLT3</b>	<b>H2O2-D&amp;-IL-1-D</b>	<b>H2O2-D&amp;-IL-1-D</b>	<b>¬MAP3K&amp;-KRAS&amp;-MAPK o</b>	<b>FLT3   d6p21.</b>	<b>[H2O2-D&amp;-IL-1-D]   [¬NRAS&amp;JAK-ST]</b>	<b>FLT3   RUNX1-   d6p21.</b>	<b>FLT3   PTPN11   RUNX1-   d6p21.</b>
TP   FP	1   0	3   0	3   0	10   2	2   0	9   2	3   0	4   0
Specificity	1	1	1	0.82	1	0.82	1	1
FN   TN	14   11	12   11	12   11	5   9	13   11	6   9	12   11	11   11
Precision	1	1	1	0.83	1	0.82	1	1
Recall	0.067	0.2	0.2	0.67	0.13	0.6	0.2	0.27

LAML  
 id: 282 name: EKB-569  
 target: EGFR class: EGFR signaling

26 cell lines  
 13 sensitive

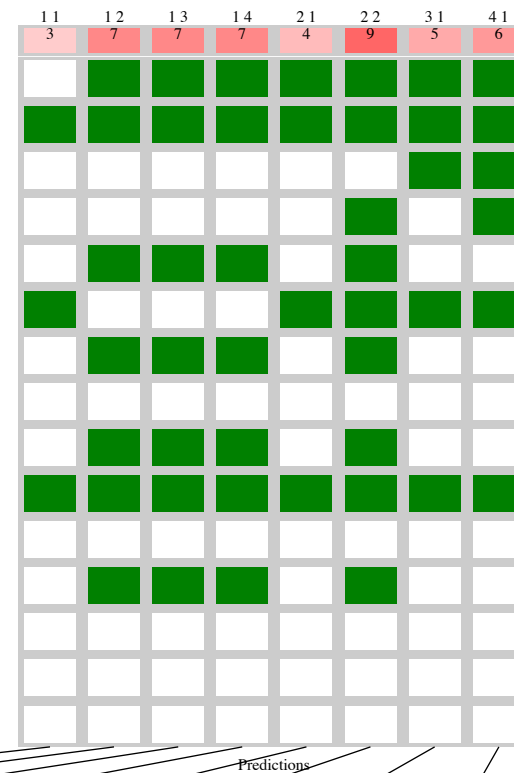
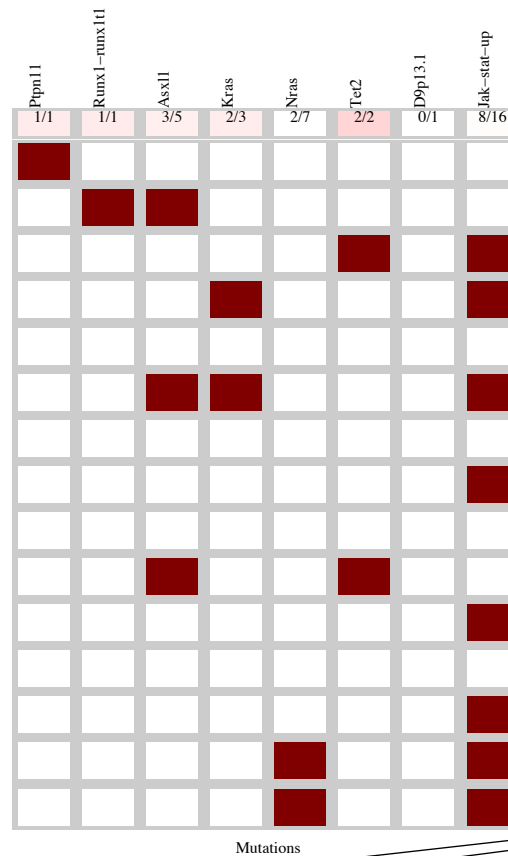
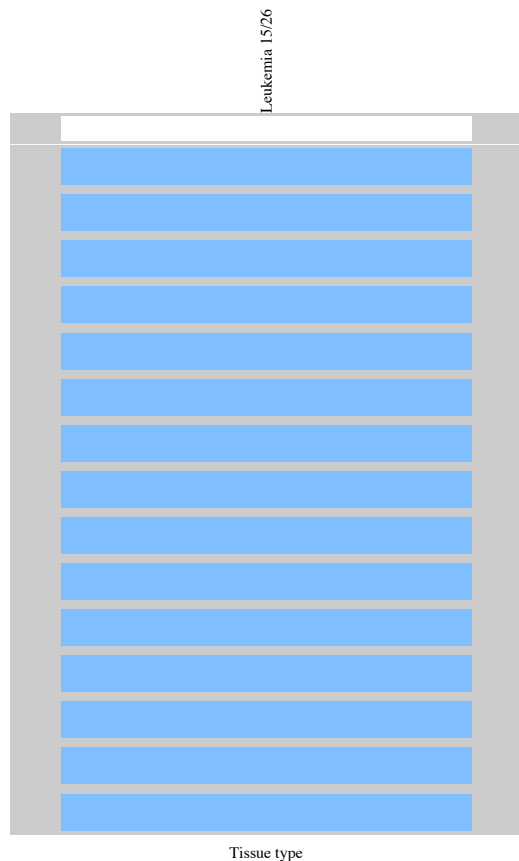
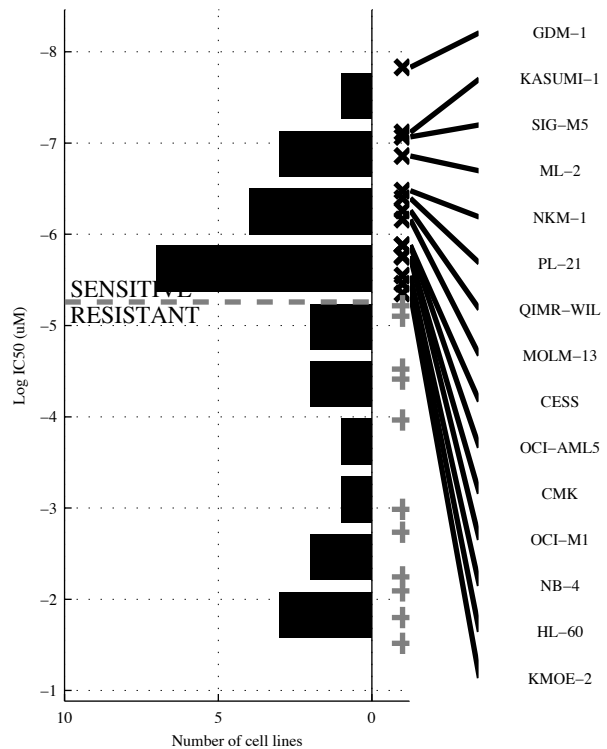
Leukemia 13/26



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d6p21.</b>	<b>d6p21. &amp;</b>	<b>-ASXL1 &amp; CREBBP &amp; -NRAS</b>	<b>-ASXL1 &amp; CDKN2A &amp; -CREBBP &amp; -NRAS</b>	<b>d6p21.   IL-1-U</b>	<b>[ -KRAS &amp; IL-1-U ]   [ d6p21. &amp; -SACS ]</b>	<b>MAP3K1   d6p21.   IL-1-U</b>	<b>MAP3K1   PTPN11   d6p21.   IL-1-U</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{12} \mid \frac{0}{13}$ 1 0.077	$\frac{1}{12} \mid \frac{0}{13}$ 1 0.077	$\frac{11}{2} \mid \frac{1}{12}$ 0.92 0.92 0.85	$\frac{11}{2} \mid \frac{1}{12}$ 0.92 0.92 0.85	$\frac{2}{11} \mid \frac{0}{13}$ 1 0.15	$\frac{2}{11} \mid \frac{0}{13}$ 1 0.15	$\frac{3}{10} \mid \frac{0}{13}$ 1 0.23	$\frac{4}{9} \mid \frac{0}{13}$ 1 0.31

LAML  
 id: 283 name: GSK2126458  
 target: PI3K, MTOR class: PI3K signaling

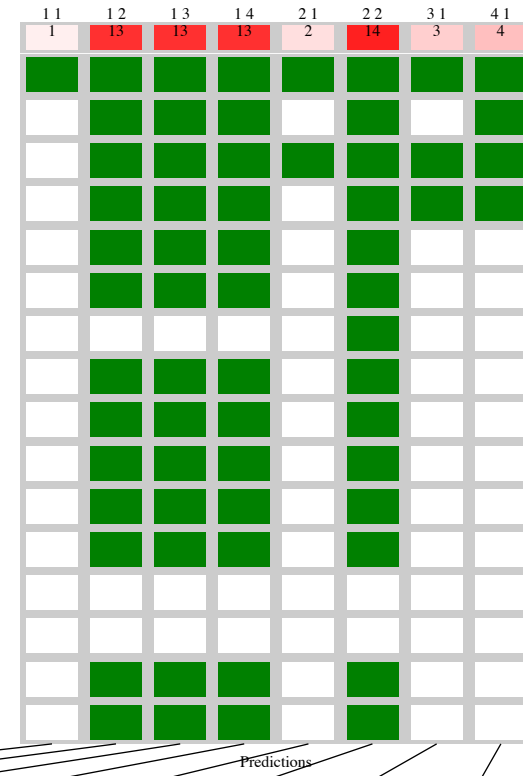
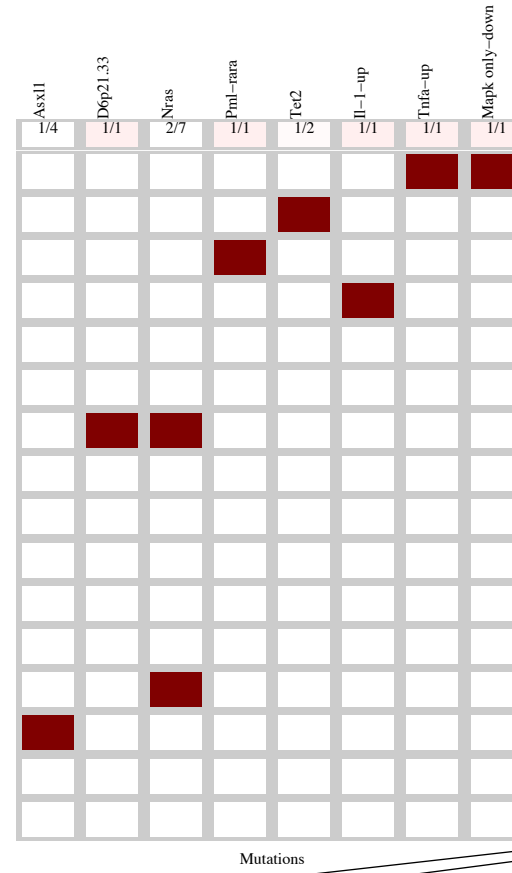
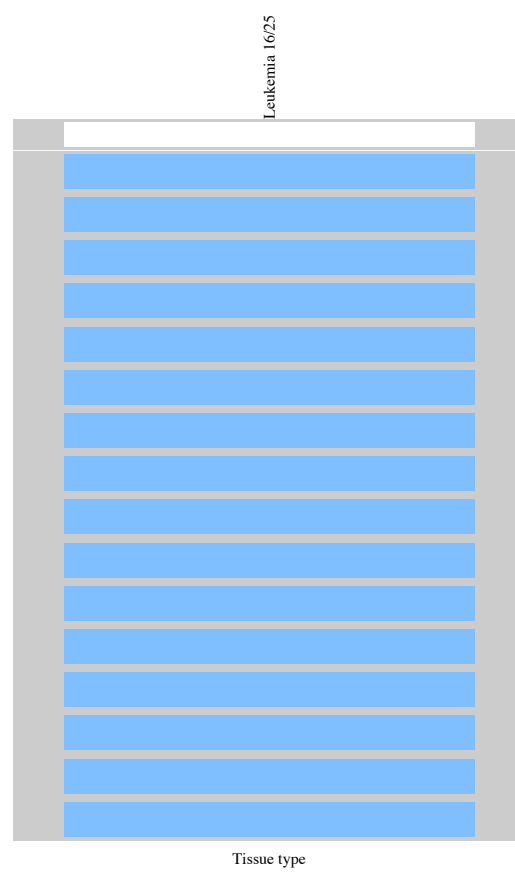
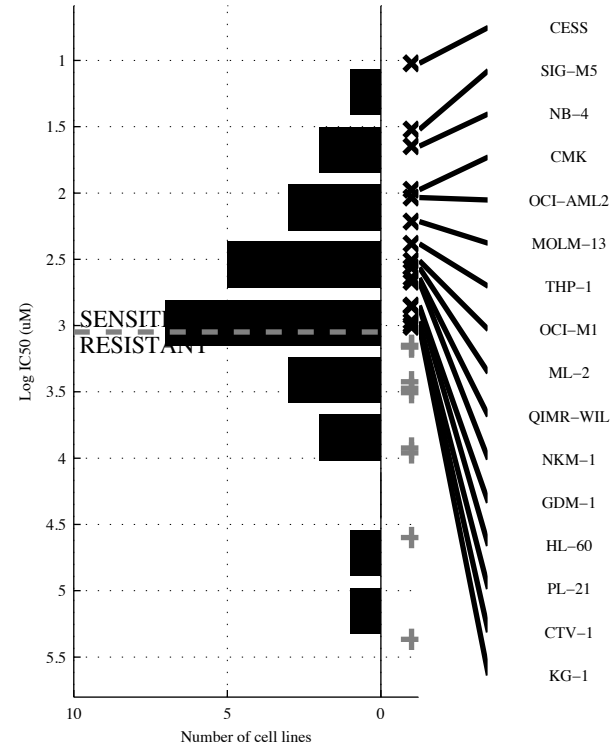
26 cell lines  
 15 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>ASXL1</b>	<b>-NRAS&amp;JAK-ST</b>	<b>-NRAS&amp;JAK-ST</b>	<b>-NRAS&amp;JAK-ST</b>	<b>PTPN11   ASXL1</b>	<b>[ -NRAS&amp;JAK-ST ]   [ KRAS &amp;-d9p13. ]</b>	<b>PTPN11   ASXL1   TET2</b>	<b>PTPN11   RUNX1-1   KRAS   TET2</b>
TP   FP Specificity	3   2 0.82	7   1 0.91	7   1 0.91	7   1 0.91	4   2 0.82	9   1 0.91	5   2 0.82	6   1 0.91
FN   TN Precision	12   9 0.6	8   10 0.88	8   10 0.88	8   10 0.88	11   9 0.67	6   10 0.9	10   9 0.71	9   10 0.86
Recall	0.2	0.47	0.47	0.47	0.27	0.6	0.33	0.4

LAML  
 id: 286 name: KIN001-236  
 target: TIE2 class: other

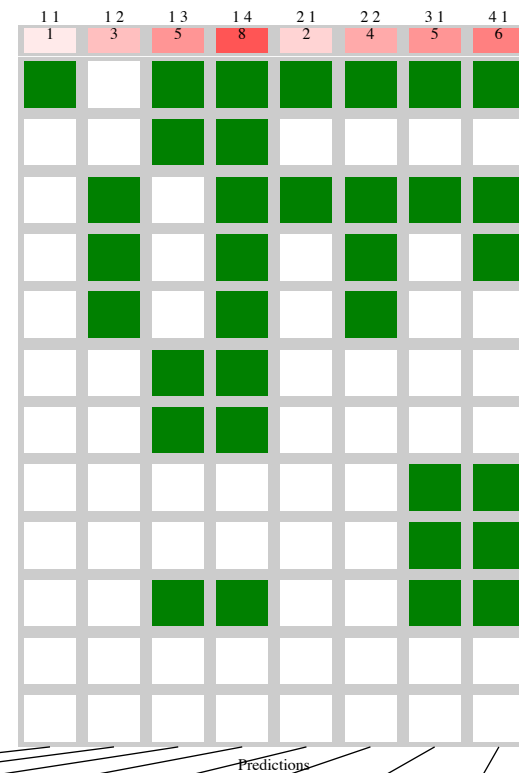
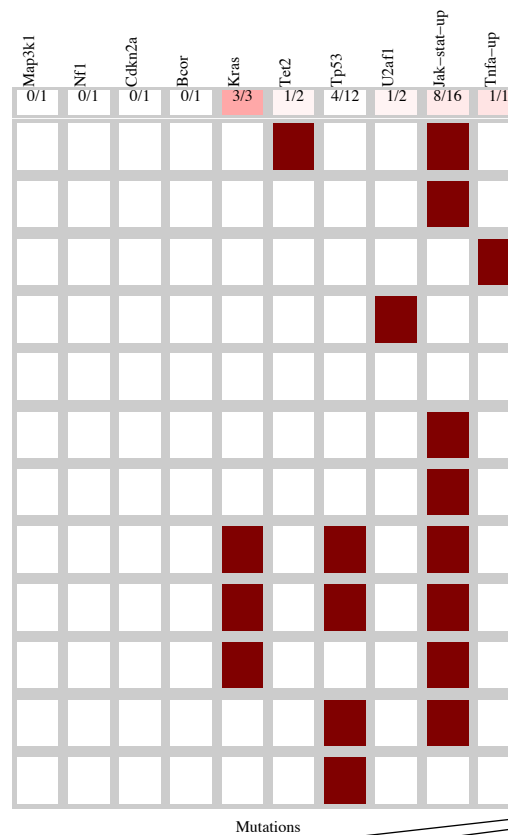
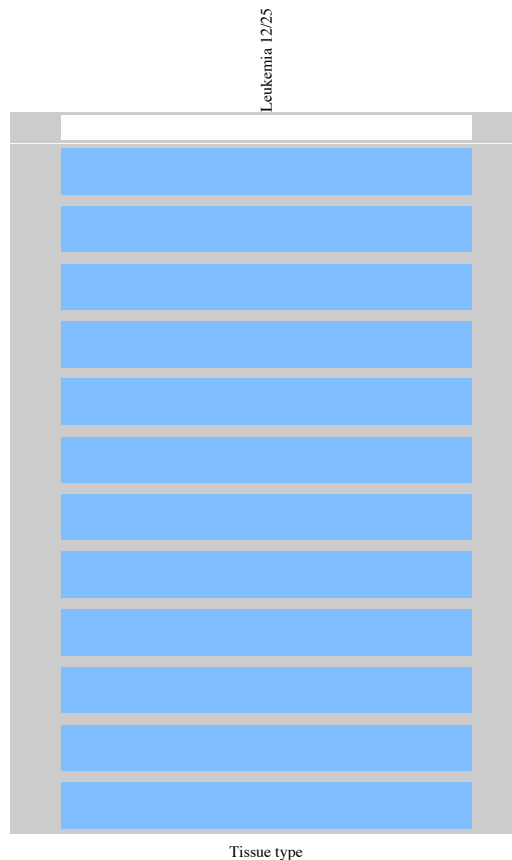
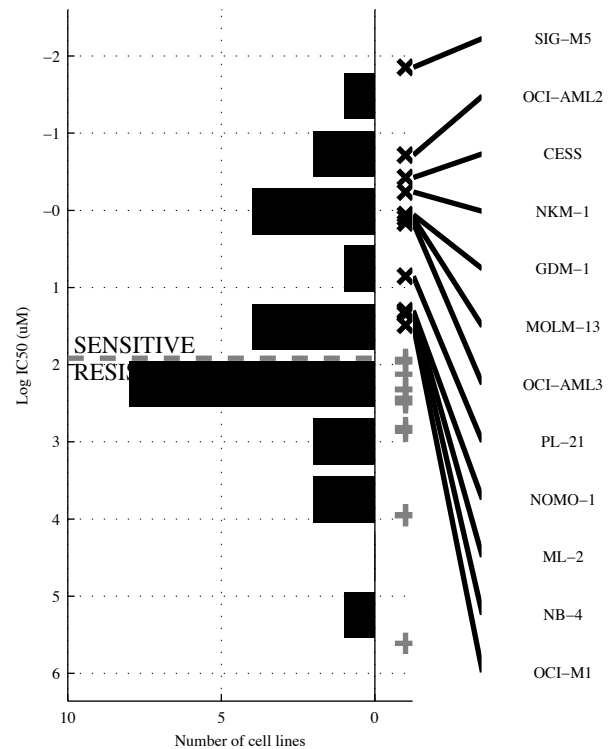
25 cell lines  
 16 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>TNFa-U</b>	<b>¬ASXL1&amp;¬NRAS</b>	<b>¬ASXL1&amp;¬NRAS&amp;</b>	<b>¬ASXL1&amp;¬NRAS&amp;</b>	<b>PML-R&amp;MAPK o</b>	<b>[¬ASXL1&amp;¬NRAS ]   [¬ASXL1&amp; d6p21. ]</b>	<b>PML-R&amp; IL-1-U    MAPK o</b>	<b>PML-R&amp; TET2    IL-1-U  MAPK o</b>
TP   FP Specificity FN   TN Precision Recall	1   0 1 15   9 0.063	13   1 0.89 3   8 0.93 0.81	13   1 0.89 3   8 0.93 0.81	13   1 0.89 3   8 0.93 0.81	2   0 1 14   9 0.13	14   1 0.89 2   8 0.93 0.88	3   0 1 13   9 0.19	4   1 0.89 12   8 0.8 0.25

LAML  
 id: 287 name: KIN001-244  
 target: PDPK1 (PDK1) class: PI3K signaling

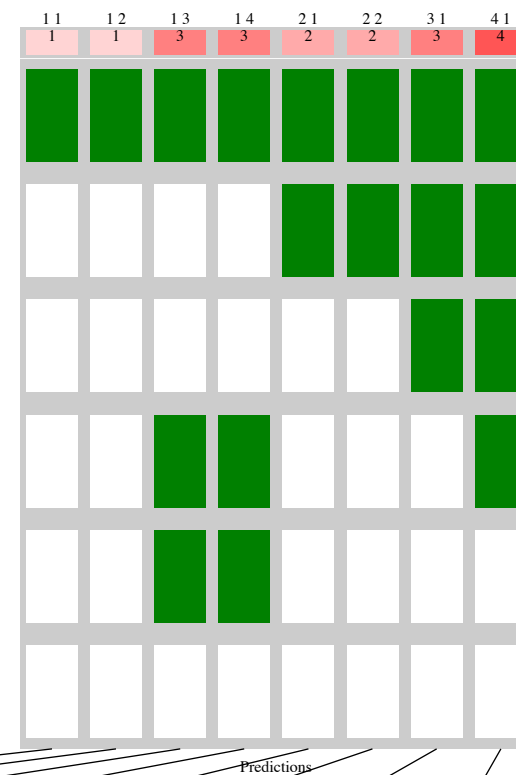
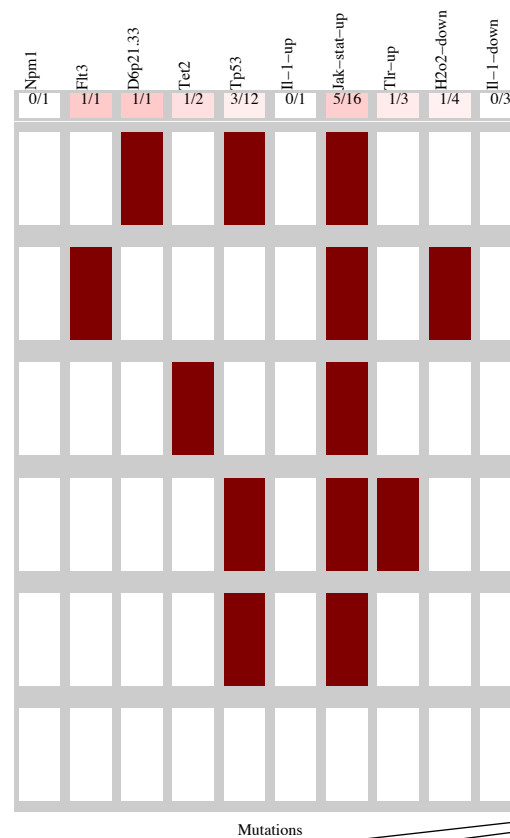
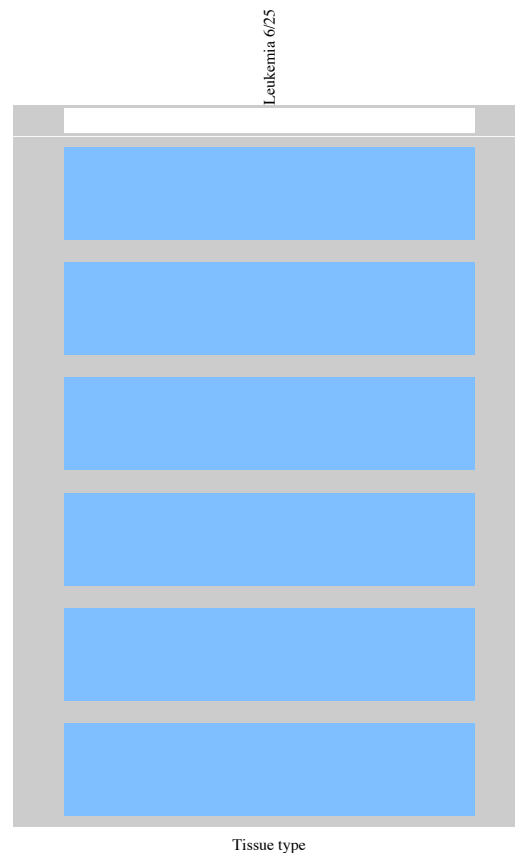
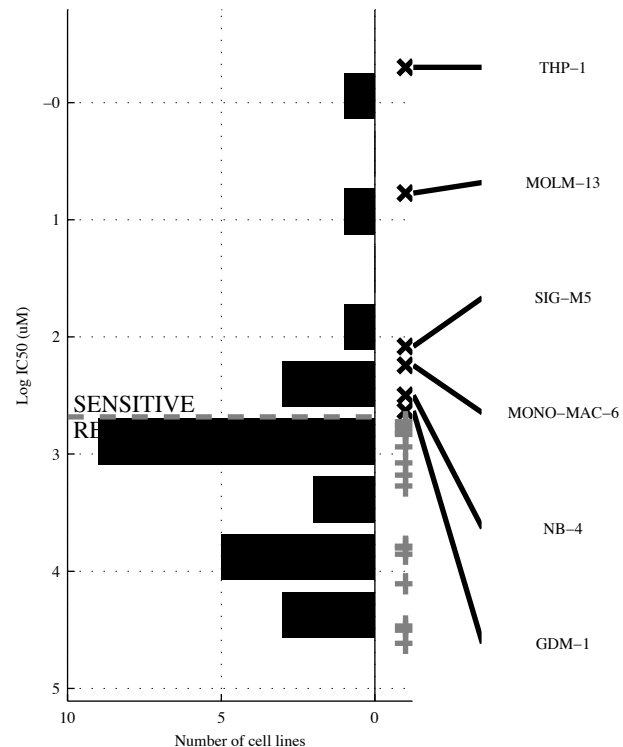
25 cell lines  
 12 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>TET2</b>	<b>-TP53 &amp; JAK-ST</b>	<b>-MAP3K &amp; -TP53 &amp; JAK-ST</b>	<b>-NF1 &amp; CDKN2 &amp; -BCOR &amp; -TP53</b>	<b>TET2   TNFa-U</b>	<b>[ CDKN2 &amp; TET2 ]   [ -TP53 &amp; JAK-ST ]</b>	<b>KRAS   TET2   TNFa-U</b>	<b>KRAS   TET2   U2AF1   TNFa-U</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{11} \mid \frac{1}{12}$ 0.92 0.5 0.083	$\frac{3}{9} \mid \frac{2}{11}$ 0.85 0.6 0.25	$\frac{5}{7} \mid \frac{2}{11}$ 0.85 0.71 0.42	$\frac{8}{4} \mid \frac{2}{11}$ 0.85 0.8 0.67	$\frac{2}{10} \mid \frac{1}{12}$ 0.92 0.67 0.17	$\frac{4}{8} \mid \frac{2}{11}$ 0.85 0.67 0.33	$\frac{5}{7} \mid \frac{1}{12}$ 0.92 0.83 0.42	$\frac{6}{6} \mid \frac{2}{11}$ 0.85 0.75 0.5

LAML  
 id: 288 name: KIN001-055  
 target: JAK3, MNK1 class: other

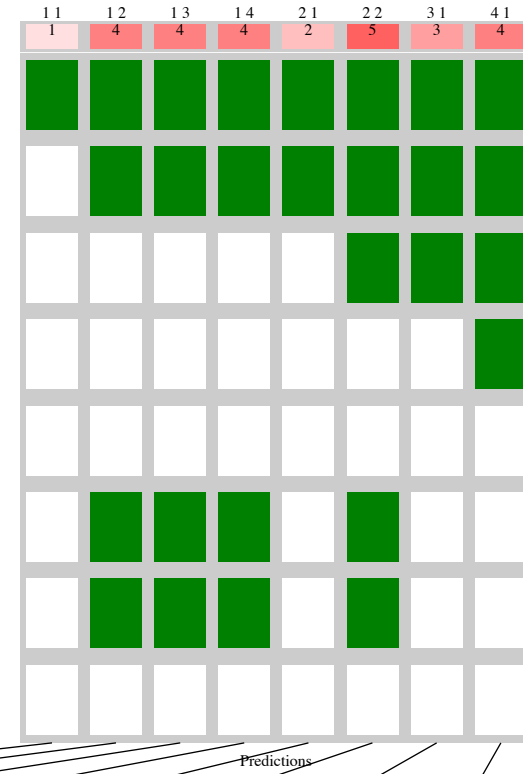
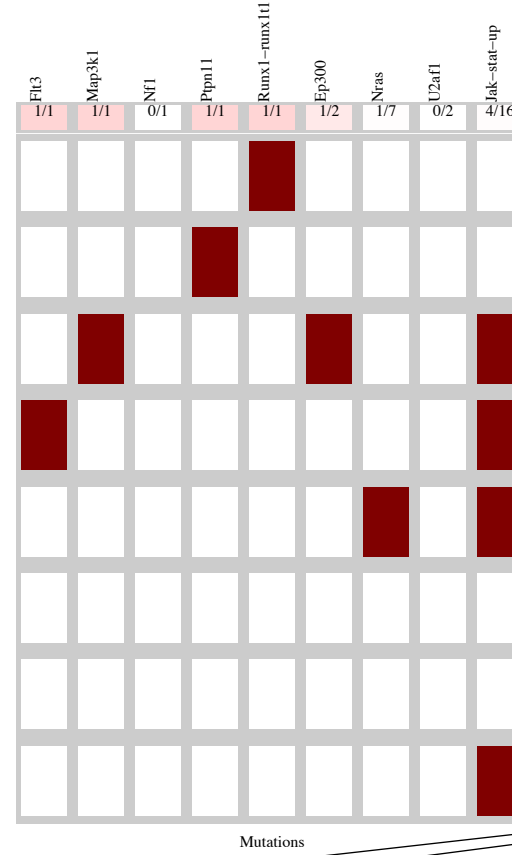
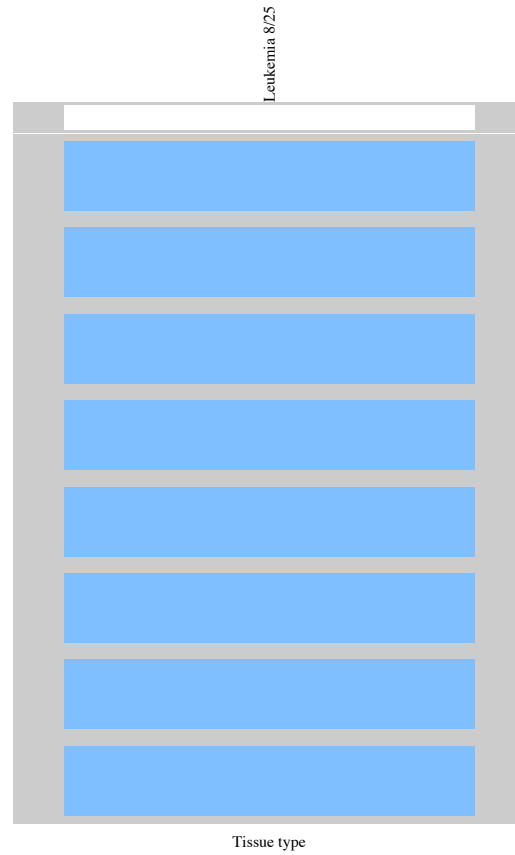
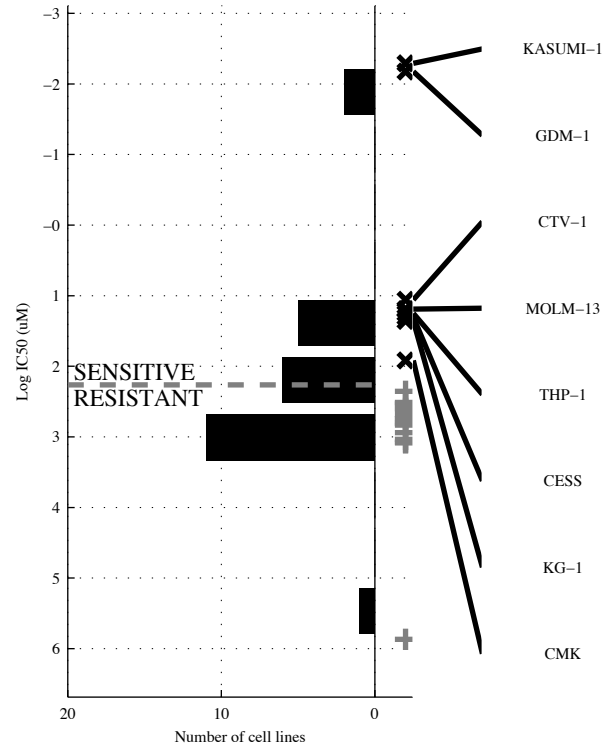
25 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d6p21.</b>	<b>-NPM1&amp; d6p21.</b>	<b>TP53 &amp;JAK-ST&amp;</b> <b>-IL-1-D</b>	<b>TP53 &amp;JAK-ST&amp;</b> <b>-H2O2-&amp;IL-1-D</b>	<b>FLT3   d6p21.</b>	[ <b>d6p21. &amp;IL-1-U</b> ]   [ <b>FLT3 &amp;H2O2-D</b> ]	<b>FLT3   d6p21.  </b> <b>TET2</b>	<b>FLT3   d6p21.  </b> <b>TET2  TLR-UP</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{5} \mid \frac{0}{19}$ 1 0.17	$\frac{1}{5} \mid \frac{0}{19}$ 1 0.17	$\frac{3}{3} \mid \frac{3}{16}$ 0.84 0.5 0.5	$\frac{3}{3} \mid \frac{2}{17}$ 0.89 0.6 0.5	$\frac{2}{4} \mid \frac{0}{19}$ 1 0.33	$\frac{2}{4} \mid \frac{0}{19}$ 1 0.33	$\frac{3}{3} \mid \frac{1}{18}$ 0.95 0.75 0.5	$\frac{4}{2} \mid \frac{3}{16}$ 0.84 0.57 0.67

LAML  
 id: 292 name: Masitinib  
 target: KIT class: RTK signaling

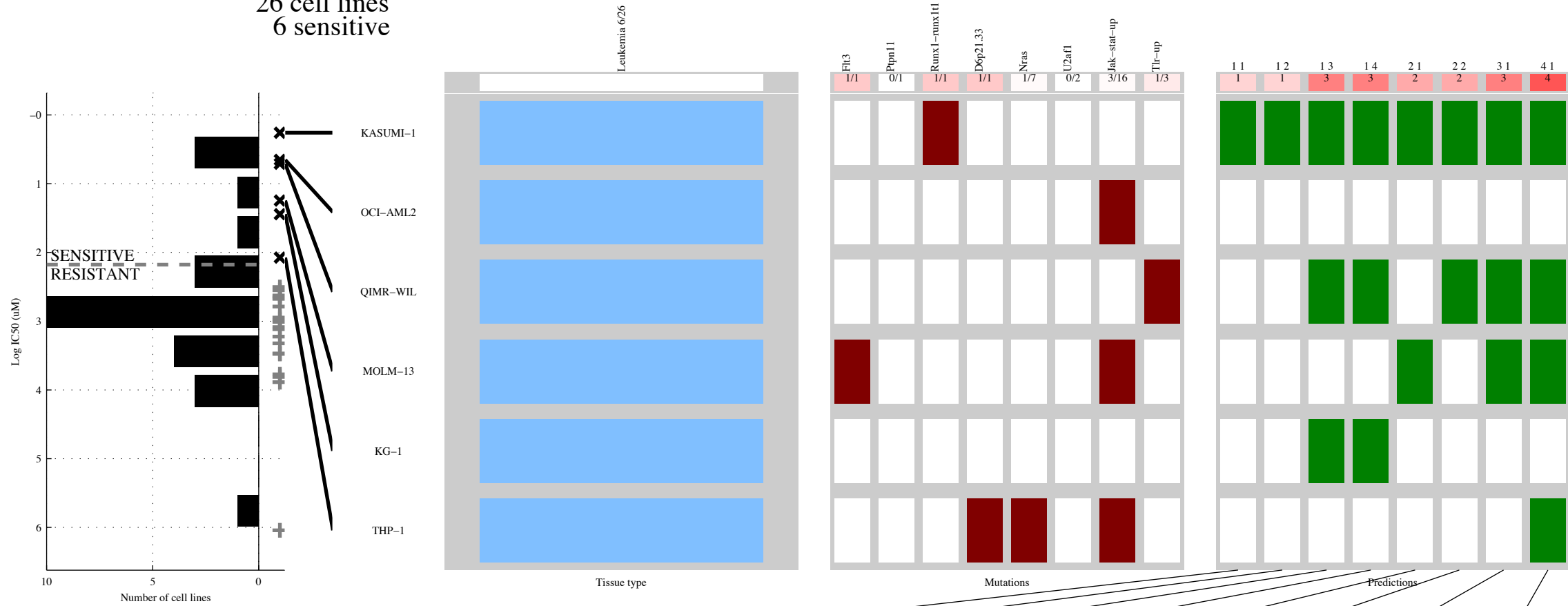
25 cell lines  
 8 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>RUNX1-</b>	<b>¬NRAS&amp;JAK-ST</b>	<b>¬NRAS&amp;¬U2AF1&amp;¬JAK-ST</b>	<b>¬NF1 &amp;¬NRAS&amp;¬U2AF1&amp;JAK-ST</b>	<b>PTPN11 RUNX1-</b>	<b>[ EP300 &amp;¬NRAS ]   [ ¬NRAS&amp;JAK-ST ]</b>	<b>MAP3K1 PTPN11   RUNX1-</b>	<b>FLT3  MAP3K1   PTPN11   RUNX1-</b>
TP   FP	1   0	4   3	4   2	4   1	2   0	5   3	3   0	4   0
Specificity	1	0.82	0.88	0.94	1	0.82	1	1
FN   TN	7   17	4   14	4   15	4   16	6   17	3   14	5   17	4   17
Precision	1	0.57	0.67	0.8	1	0.63	1	1
Recall	0.13	0.5	0.5	0.5	0.25	0.63	0.38	0.5

LAML  
 id: 293 name: MP470  
 target: PDGFR class: RTK signaling

26 cell lines  
 6 sensitive

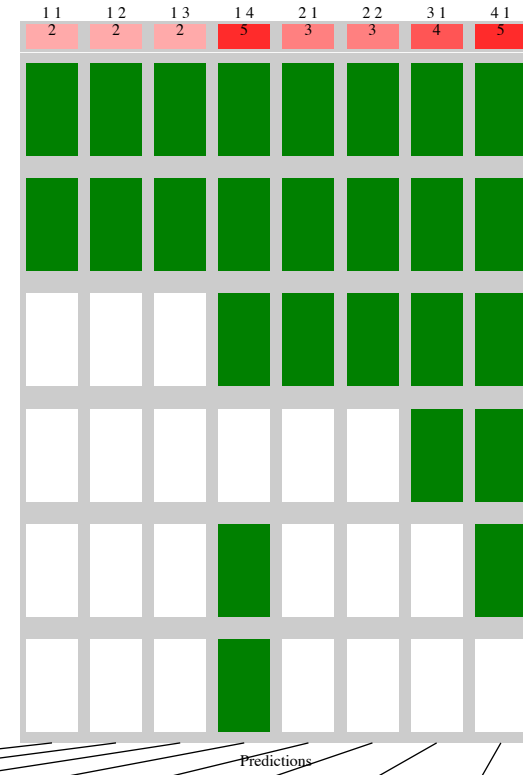
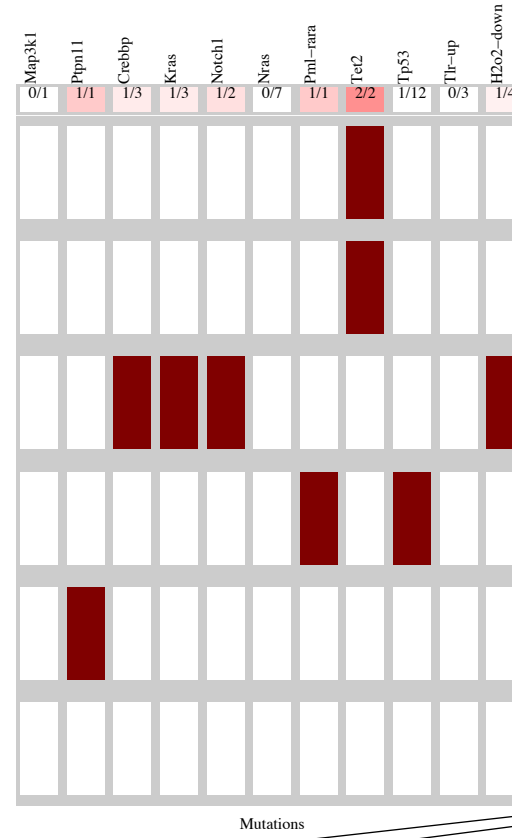
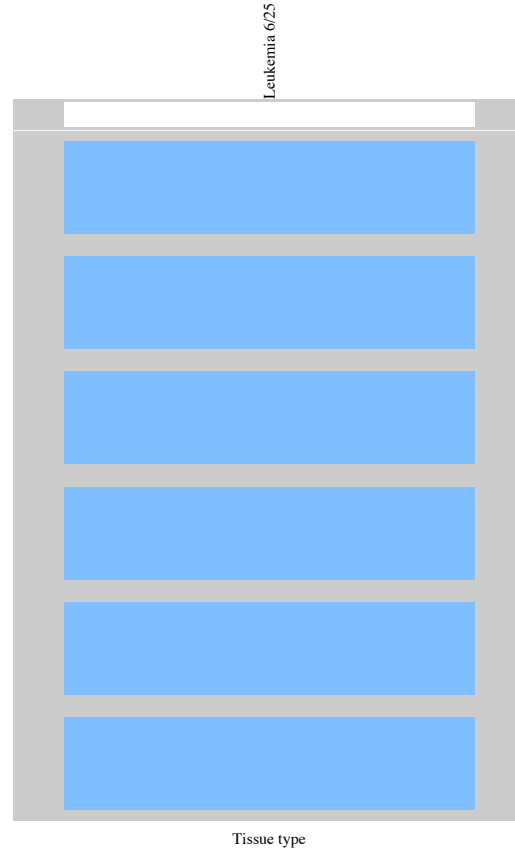
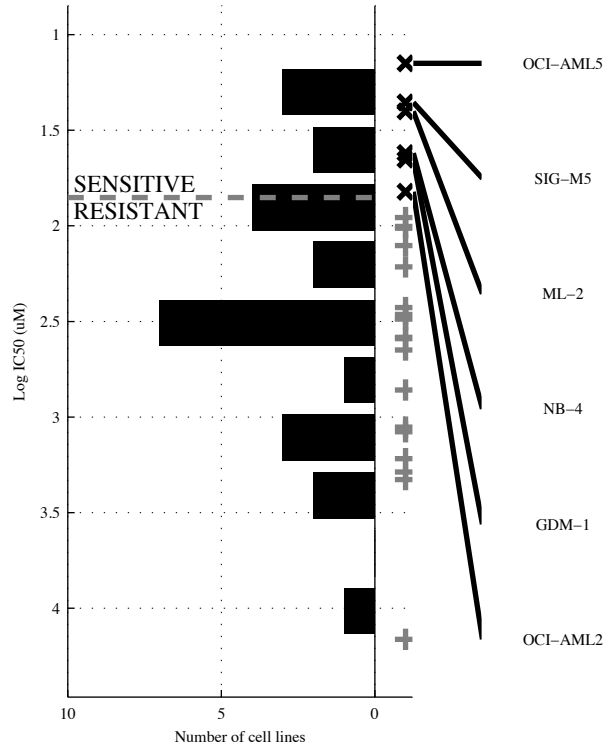


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>RUNX1-</b>	<b>RUNX1-&amp;</b>	<b>-NRAS&amp;-U2AF1&amp;</b> <b>-JAK-ST</b>	<b>-PTPN1&amp;-NRAS&amp;</b> <b>-U2AF1&amp;JAK-ST</b>	<b>FLT3  RUNX1-</b>	<b>[RUNX1-&amp; ]</b> <b>[ -U2AF1&amp;TLR-UP]</b>	<b>FLT3  RUNX1- </b> <b>TLR-UP</b>	<b>FLT3  RUNX1- </b> <b>d6p21.  TLR-UP</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{5} \mid \frac{0}{20}$ 1 0.17	$\frac{1}{5} \mid \frac{0}{20}$ 1 0.17	$\frac{3}{3} \mid \frac{4}{16}$ 0.8 0.43 0.5	$\frac{3}{3} \mid \frac{3}{17}$ 0.85 0.5 0.5	$\frac{2}{4} \mid \frac{0}{20}$ 1 0.33	$\frac{2}{4} \mid \frac{1}{19}$ 0.95 0.67 0.33	$\frac{3}{3} \mid \frac{2}{18}$ 0.9 0.6 0.5	$\frac{4}{2} \mid \frac{2}{18}$ 0.9 0.67 0.67



LAML  
 id: 294 name: MPS-1-IN-1  
 target: MPS1 class: mitosis

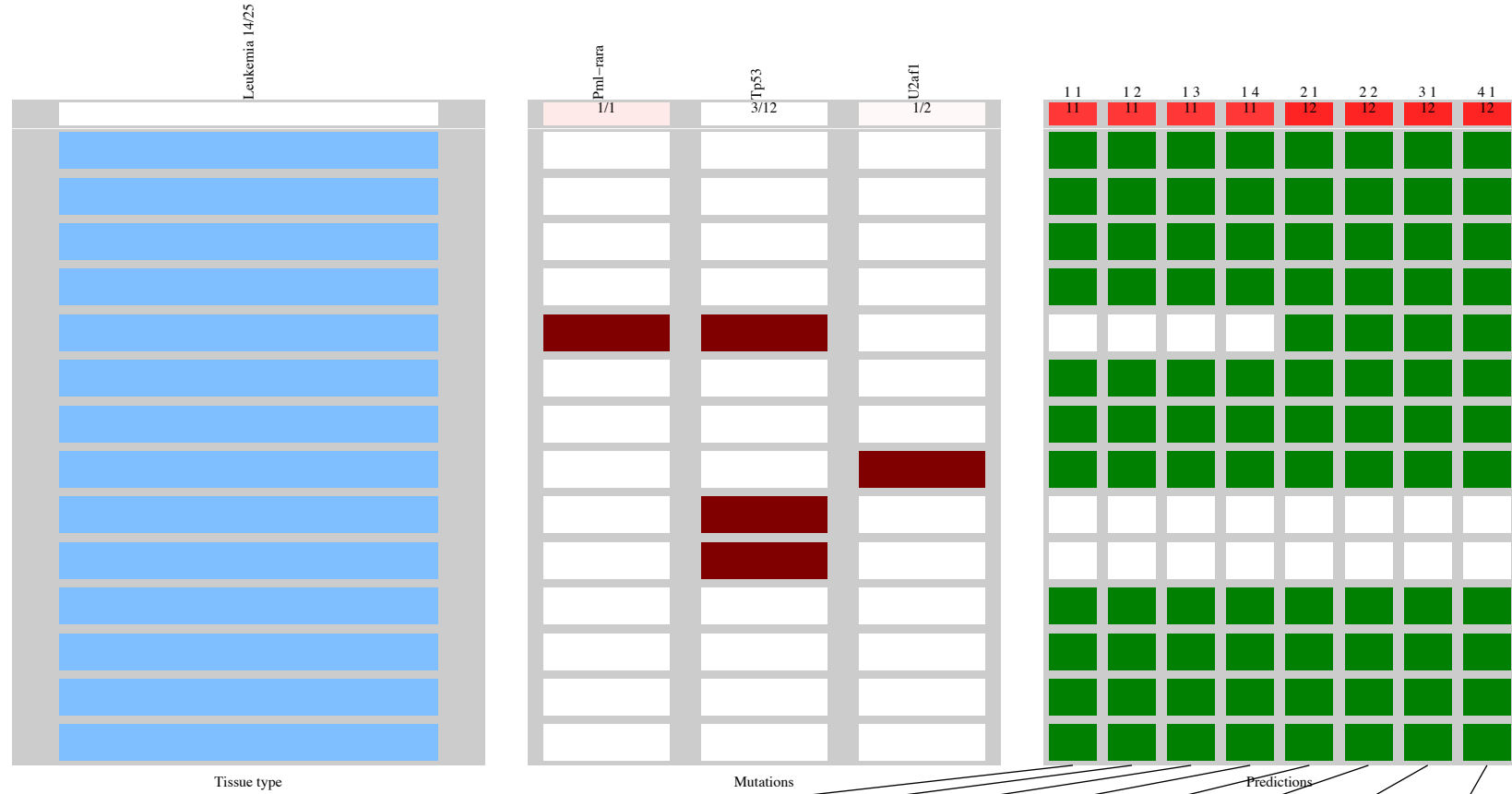
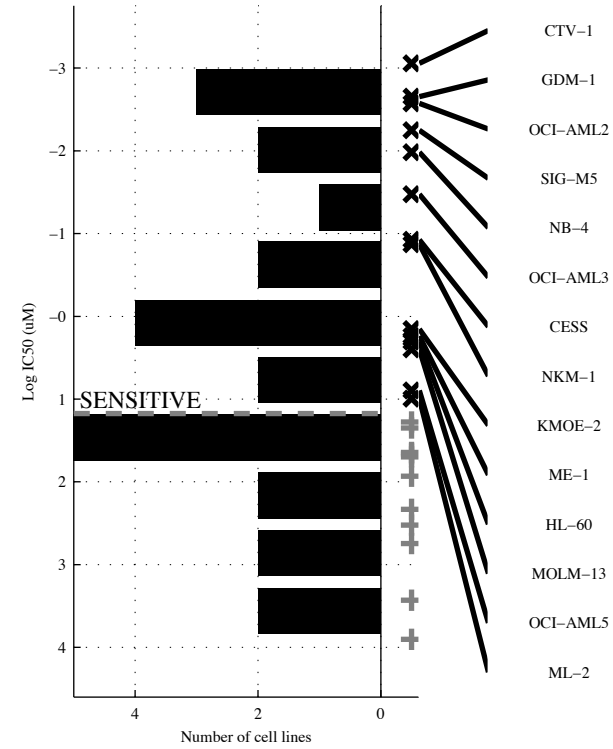
25 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>TET2</b>	<b>TET2 &amp;</b>	<b>TET2 &amp; &amp;</b>	<b>-MAP3K&amp;-NRAS&amp; -TP53 &amp;TLR-UP</b>	<b>KRAS   TET2</b>	<b>[ TET2 &amp;H2O2-D ]   [CREBBP&amp;NOTCH1]</b>	<b>KRAS PML-RA TET2</b>	<b>PTPN11   KRAS   PML-RA TET2</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{2}{4} \mid \frac{0}{19}$ 1 0.33	$\frac{2}{4} \mid \frac{0}{19}$ 1 0.33	$\frac{2}{4} \mid \frac{0}{19}$ 1 0.33	$\frac{5}{1} \mid \frac{3}{16}$ 0.84 0.63 0.83	$\frac{3}{3} \mid \frac{2}{17}$ 0.89 0.6 0.5	$\frac{3}{3} \mid \frac{0}{19}$ 1 1 0.5	$\frac{4}{2} \mid \frac{2}{17}$ 0.89 0.67 0.67	$\frac{5}{1} \mid \frac{2}{17}$ 0.89 0.71 0.83

LAML  
 id: 295 name: NVP-BHG712  
 target: EPHB4 class: RTK signaling

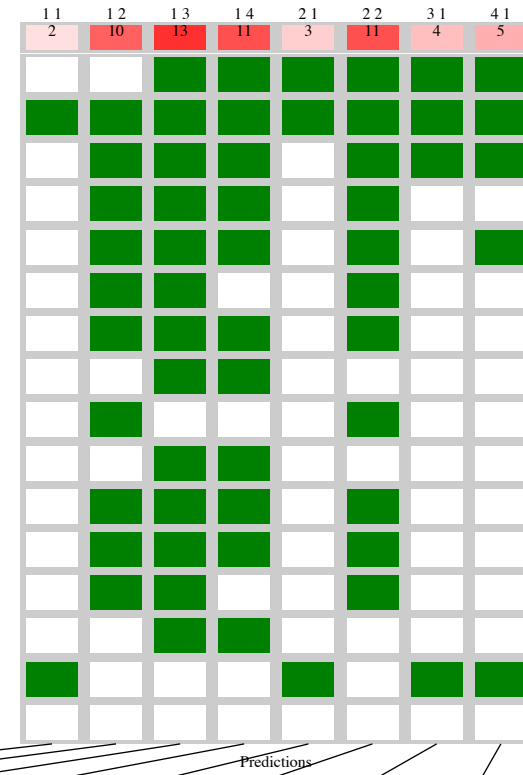
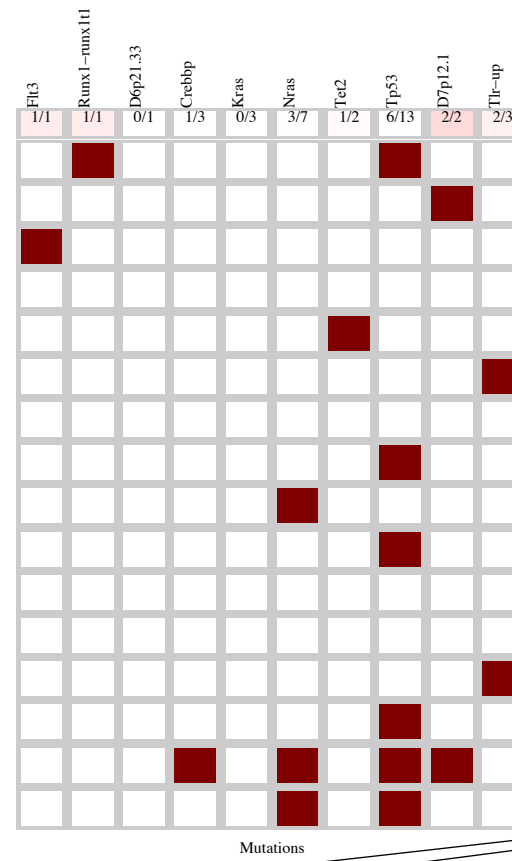
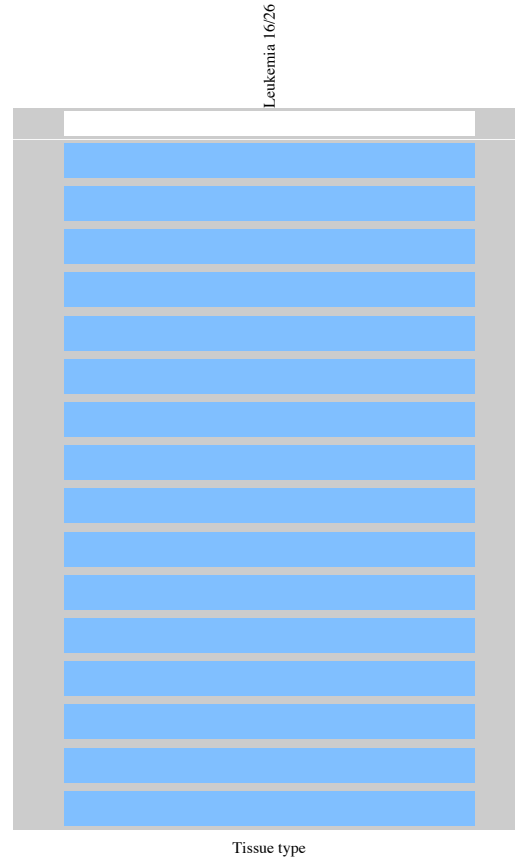
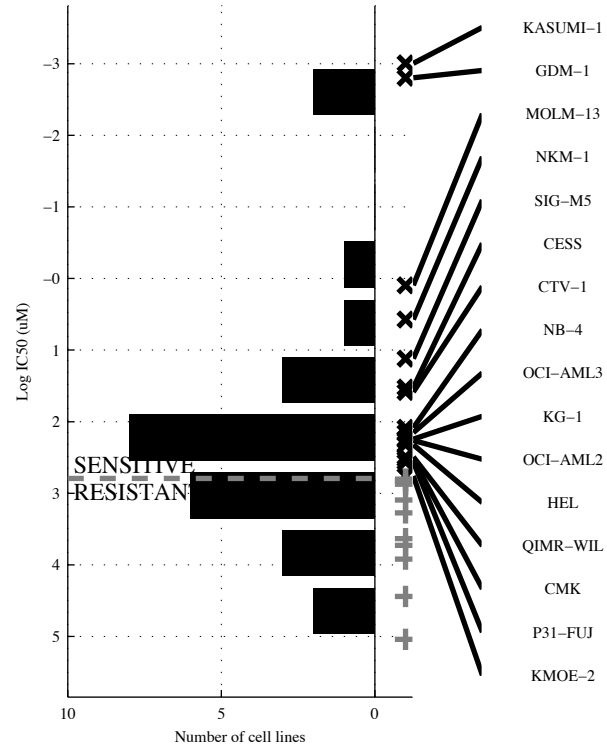
25 cell lines  
 14 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>-TP53</b>		<b>-TP53 &amp;</b>		<b>-TP53 &amp; &amp;</b>		<b>-TP53 &amp; &amp;</b>		<b>PML-RAI -TP53</b>		[ <b>-TP53 &amp;</b> ]   <b>[PML-RAI &amp; -U2AF1]</b>		<b>PML-RAI -TP53  </b>		<b>PML-RAI -TP53  </b>	
TP   FP	11   2	0.82	11   2	0.82	11   2	0.82	11   2	0.82	12   2	0.82	12   2	0.82	12   2	0.82	12   2	0.82
FN   TN	3   9	0.85	3   9	0.85	3   9	0.85	3   9	0.85	2   9	0.86	2   9	0.86	2   9	0.86	2   9	0.86
Recall		0.79		0.79		0.79		0.79		0.86		0.86		0.86		0.86

LAML  
 id: 298 name: OSI-930  
 target: KIT, VEGFR, PDGFR class: RTK signaling

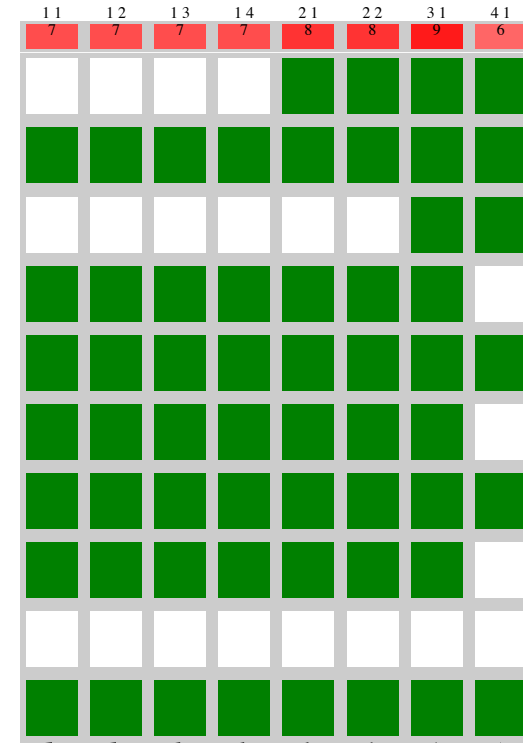
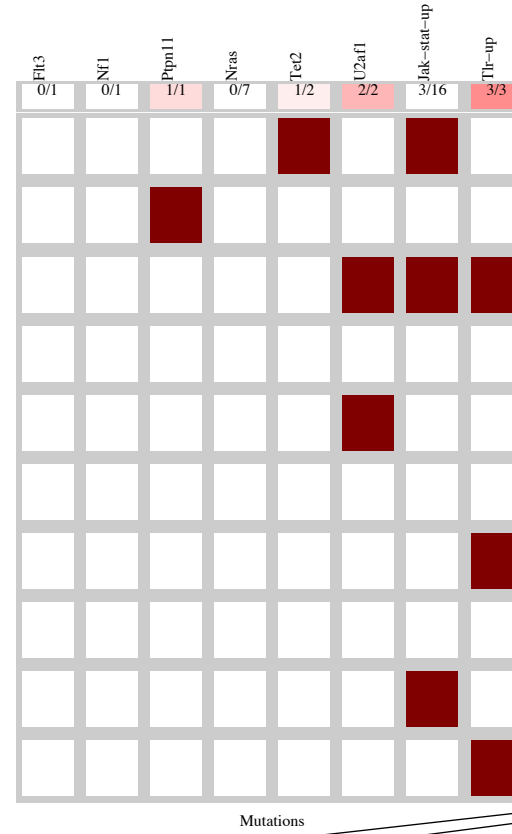
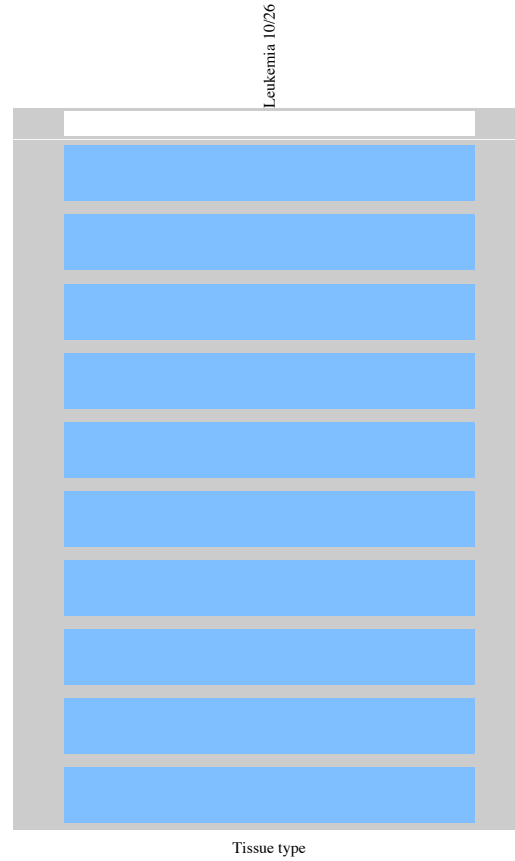
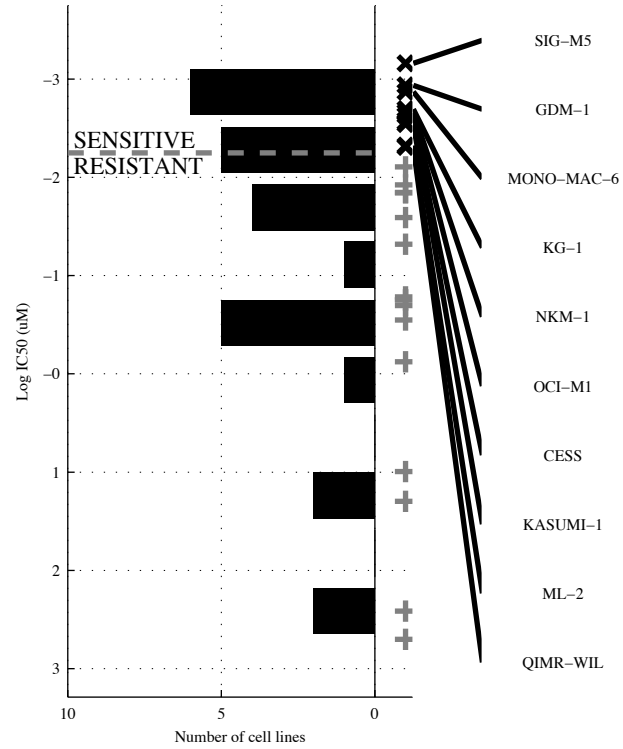
26 cell lines  
 16 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d7p12.</b>	<b>-KRAS &amp; -TP53</b>	<b>-CREBB &amp; -KRAS &amp; -NRAS</b>	<b>-CREBB &amp; -KRAS &amp; -NRAS &amp; TLR-UP</b>	<b>RUNX1-   d7p12.</b>	<b>[ -KRAS &amp; -TP53 ]   [ RUNX1- &amp; -d6p21. ]</b>	<b>FLT3   RUNX1-   d7p12.</b>	<b>FLT3   RUNX1-   TET2   d7p12.</b>
TP   FP	2   0	10   2	13   2	11   1	3   0	11   2	4   0	5   1
FN   TN	14   10	6   8	3   8	5   9	13   10	5   8	12   10	11   9
Specificity	1	0.8	0.8	0.9	1	0.8	1	0.9
Precision	1	0.83	0.87	0.92	1	0.85	1	0.83
Recall	0.13	0.63	0.81	0.69	0.19	0.69	0.25	0.31

LAML  
 id: 299 name: OSI-027  
 target: MTORC12 class: TOR signaling

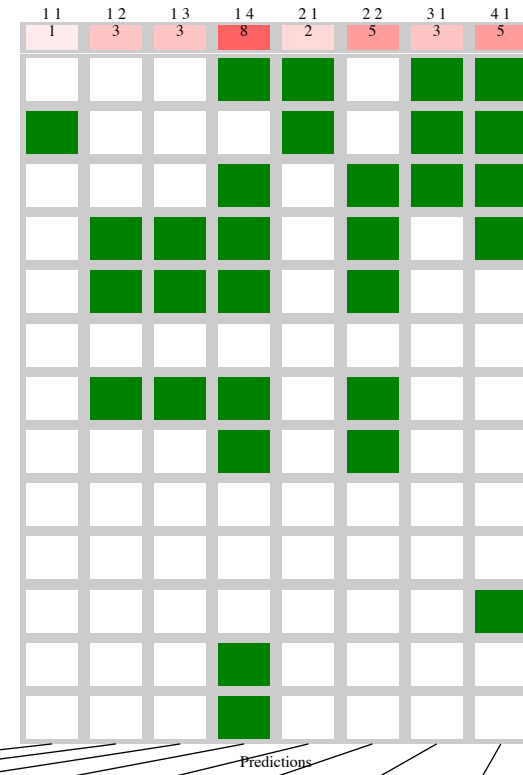
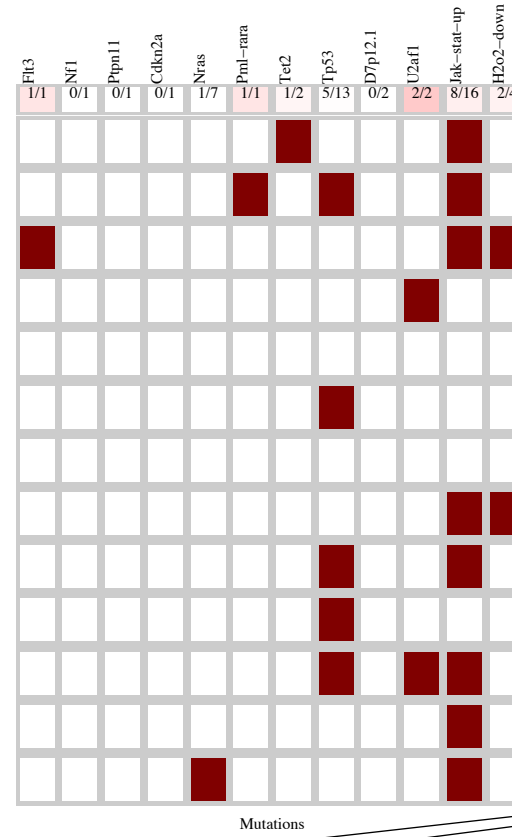
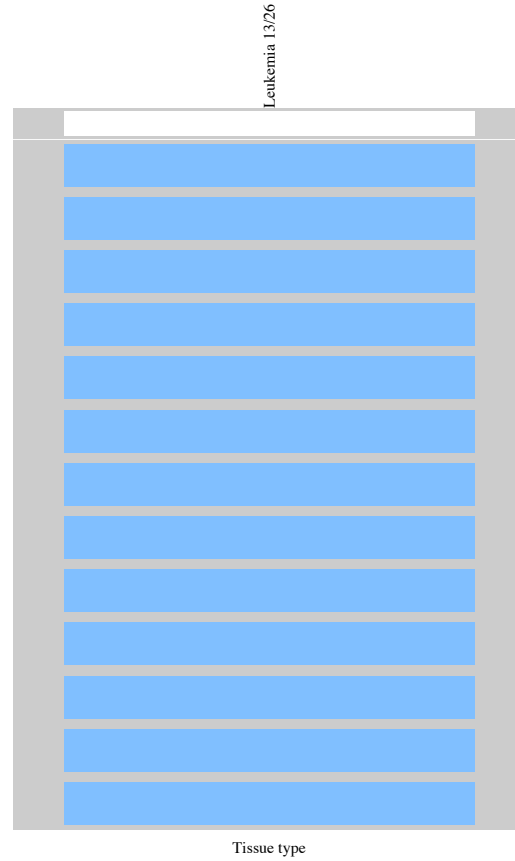
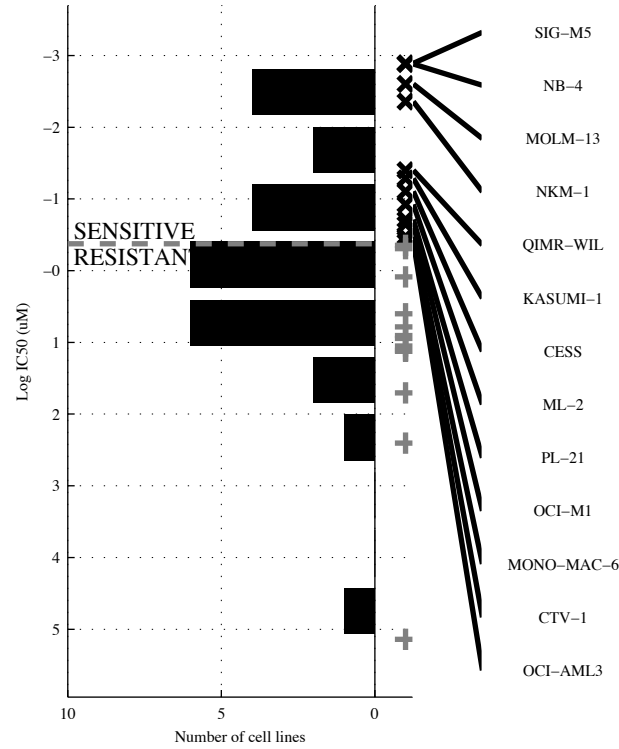
26 cell lines  
 10 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>¬JAK-ST</b>	<b>¬NRAS&amp;JAK-ST</b>	<b>¬NF1 &amp; ¬NRAS&amp; ¬JAK-ST</b>	<b>¬NF1 &amp; ¬NRAS&amp; ¬JAK-ST&amp;</b>	<b>TET2   ¬JAK-ST</b>	<b>[ ¬FLT3 &amp; TET2 ]   [ ¬NRAS&amp;JAK-ST ]</b>	<b>TET2   U2AF1   ¬JAK-ST</b>	<b>PTPN11   TET2   U2AF1   TLR-UP</b>
TP   FP	7   3	7   1	7   0	7   0	8   3	8   1	9   3	6   1
Specificity	0.81	0.94	1	1	0.81	0.94	0.81	0.94
FN   TN	3   13	3   15	3   16	3   16	2   13	2   15	1   13	4   15
Precision	0.7	0.88	1	1	0.73	0.89	0.75	0.86
Recall	0.7	0.7	0.7	0.7	0.8	0.8	0.9	0.6

LAML  
 id: 301 name: PHA-793887  
 target: CDK-pan class: cell cycle

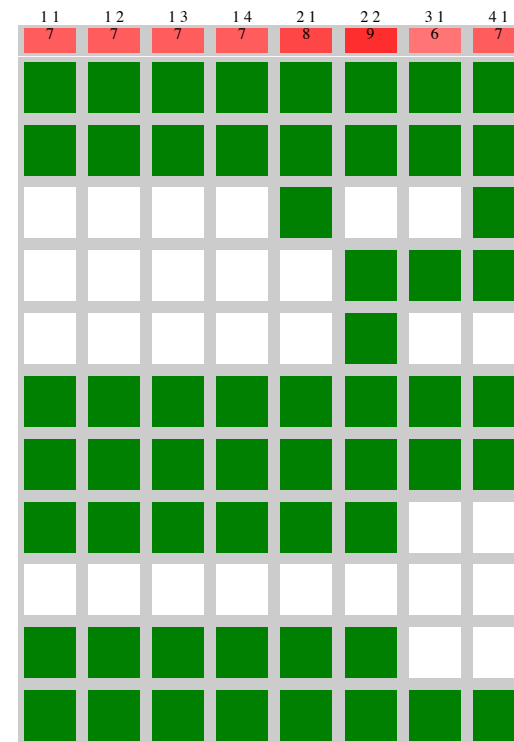
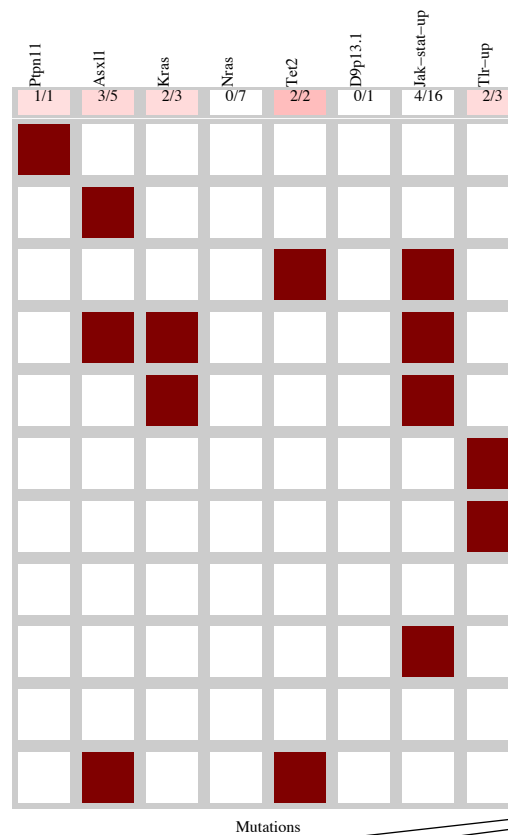
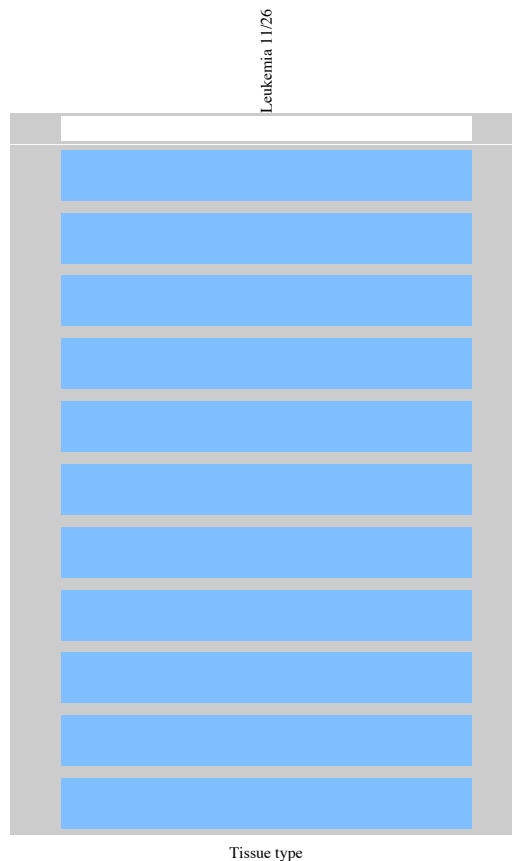
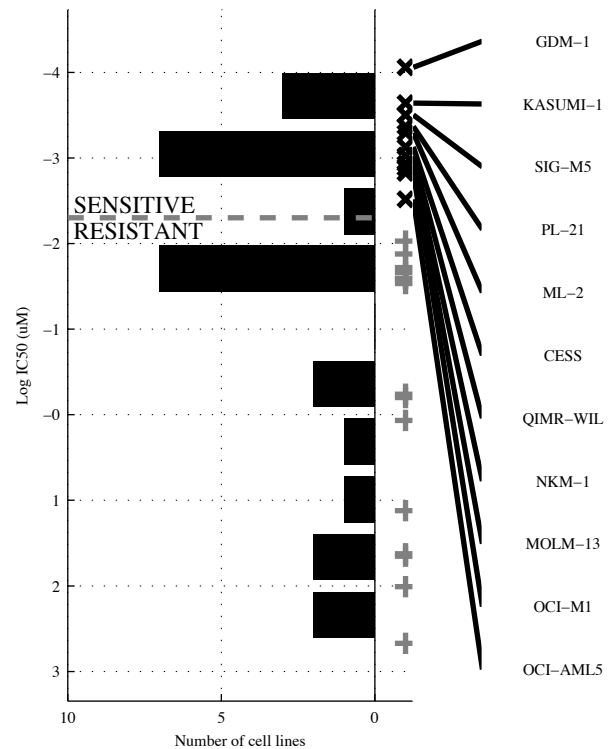
26 cell lines  
 13 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>PML-RA</b>	<b>-TP53 &amp; JAK-ST</b>	<b>-TP53 &amp; -d7p12&amp;</b> <b>-JAK-ST</b>	<b>-NF1 &amp; PTPN1&amp;</b> <b>-CDKN2&amp; -TP53</b>	<b>PML-RA TET2</b>	<b>[ -TP53 &amp; JAK-ST ]</b> <b> </b> <b>[ -NRAS &amp; H2O2-D ]</b>	<b>FLT3 PML-RA</b>  <b>TET2</b>	<b>FLT3 PML-RA</b>  <b>TET2   U2AF1</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{12} \mid \frac{0}{13}$ 1 0.077	$\frac{3}{10} \mid \frac{2}{11}$ 0.85 0.6 0.23	$\frac{3}{10} \mid \frac{1}{12}$ 0.92 0.75 0.23	$\frac{8}{5} \mid \frac{2}{11}$ 0.85 0.8 0.62	$\frac{2}{11} \mid \frac{1}{12}$ 0.92 0.67 0.15	$\frac{5}{8} \mid \frac{2}{11}$ 0.85 0.71 0.38	$\frac{3}{10} \mid \frac{1}{12}$ 0.92 0.75 0.23	$\frac{5}{8} \mid \frac{1}{12}$ 0.92 0.83 0.38

LAML  
 id: 302 name: PI-103  
 target: PI3Ka, PRKDC (DNAPK) class: PI3K signaling

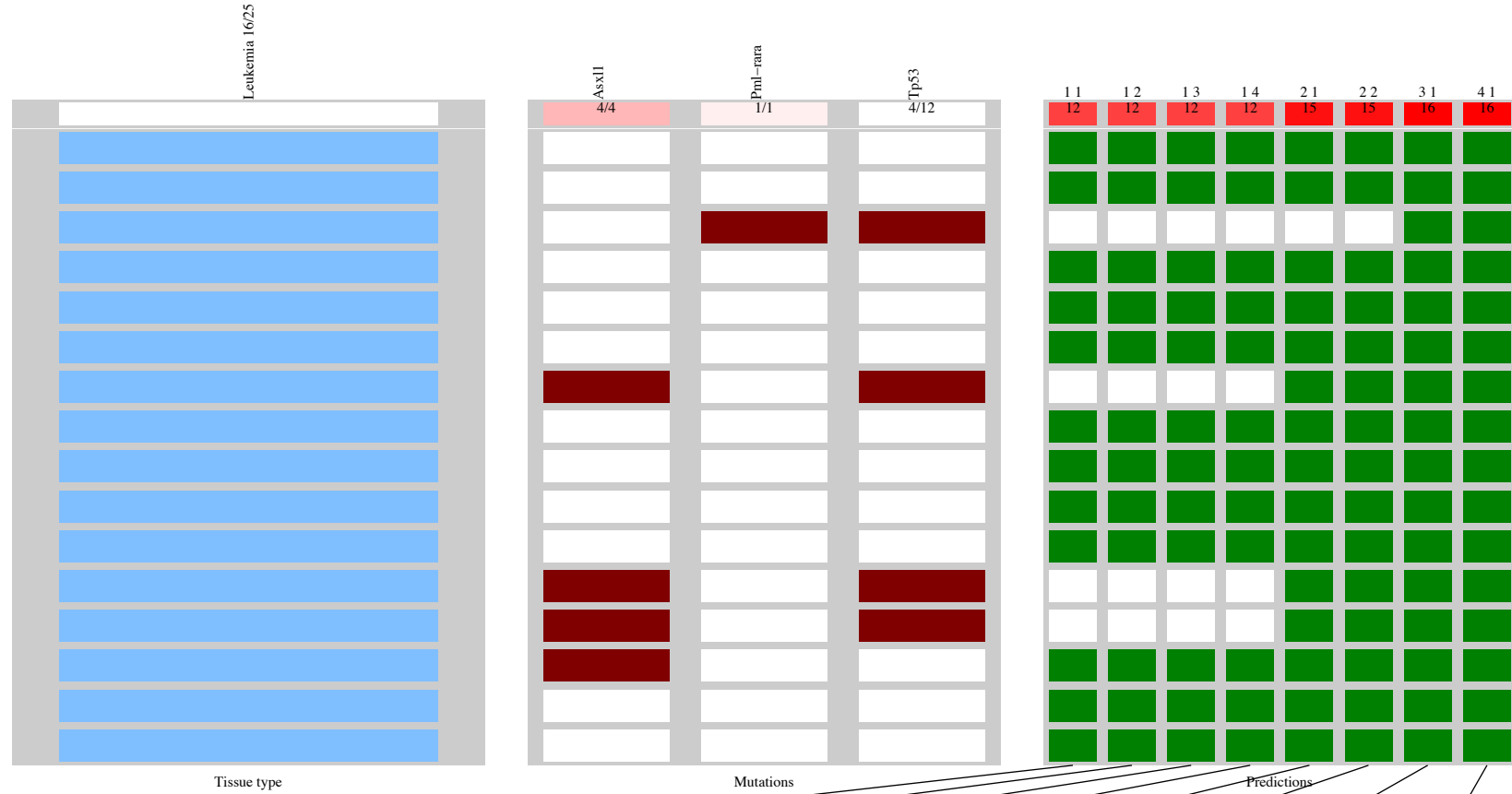
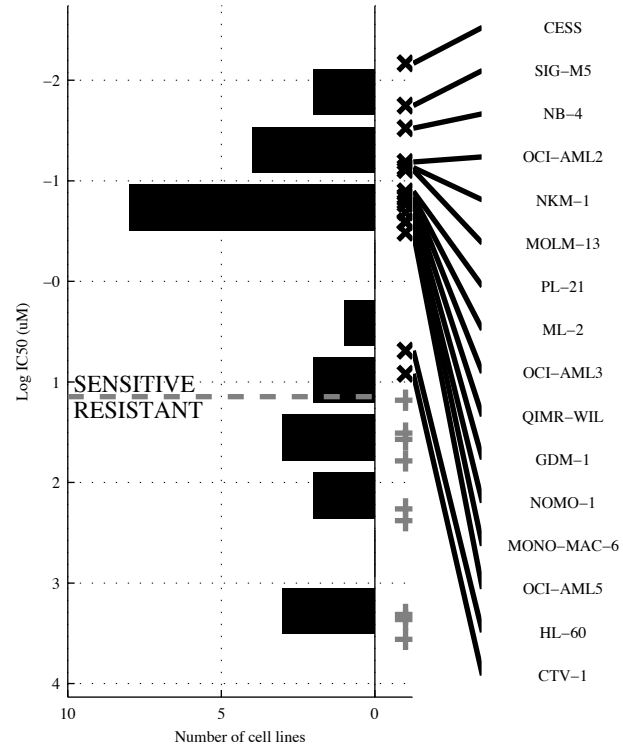
26 cell lines  
 11 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>-JAK-ST</b>	<b>-NRAS&amp;JAK-ST</b>	<b>-NRAS&amp;JAK-ST&amp;</b>	<b>-NRAS&amp;JAK-ST&amp;</b>	<b>TET2   -JAK-ST</b>	<b>[ KRAS &amp; -d9p13. ]   [ -NRAS&amp;JAK-ST ]</b>	<b>PTPN11   ASXL1   TLR-UP</b>	<b>PTPN11   ASXL1   TET2   TLR-UP</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{7}{4} \mid \frac{3}{12}$ 0.8 0.7 0.64	$\frac{7}{4} \mid \frac{1}{14}$ 0.93 0.88 0.64	$\frac{7}{4} \mid \frac{1}{14}$ 0.93 0.88 0.64	$\frac{7}{4} \mid \frac{1}{14}$ 0.93 0.88 0.64	$\frac{8}{3} \mid \frac{3}{12}$ 0.8 0.73 0.73	$\frac{9}{2} \mid \frac{1}{14}$ 0.93 0.9 0.82	$\frac{6}{5} \mid \frac{2}{13}$ 0.87 0.75 0.55	$\frac{7}{4} \mid \frac{2}{13}$ 0.87 0.78 0.64

LAML  
 id: 303 name: PIK-93  
 target: PI4K, PI3K class: PI3K signaling

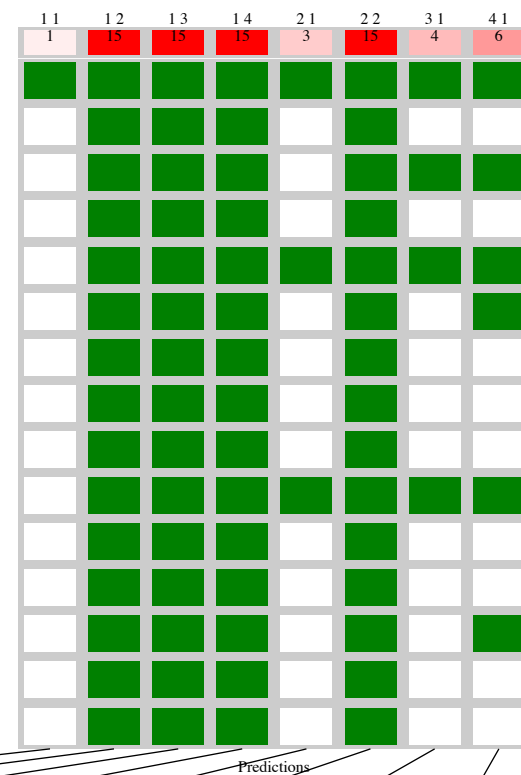
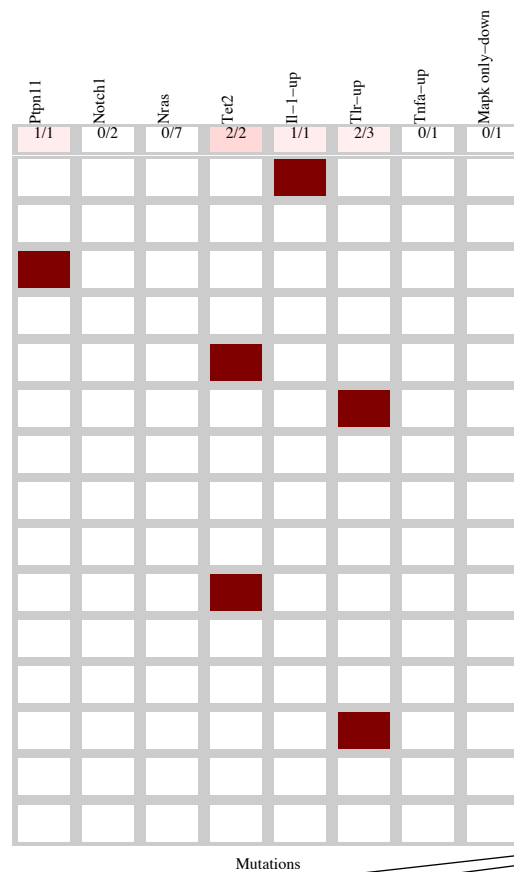
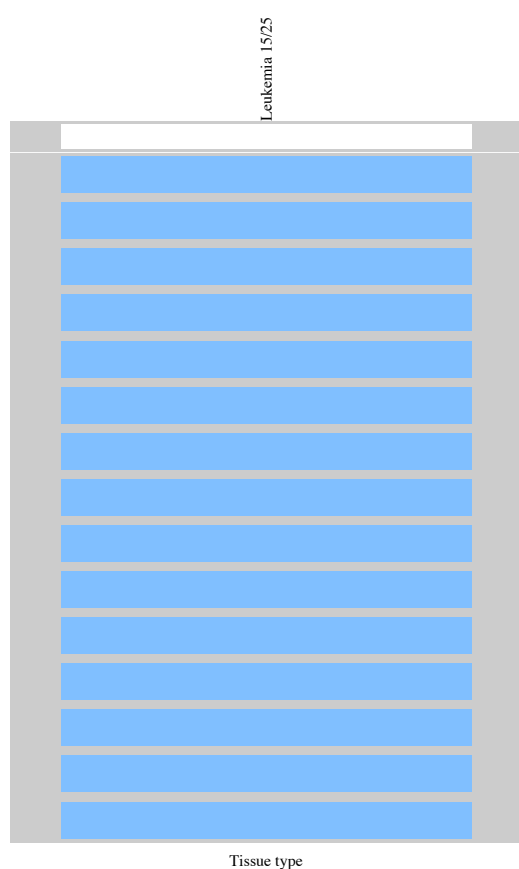
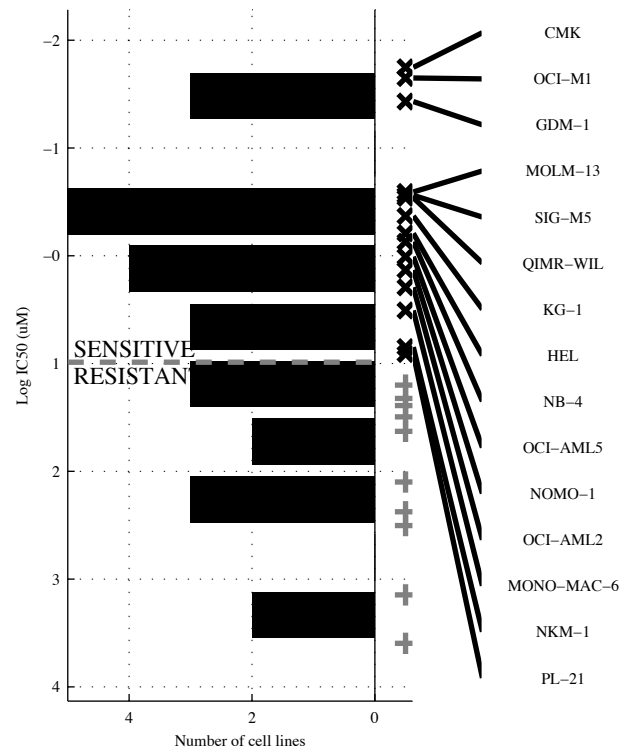
25 cell lines  
 16 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1						
K	M																				
Logic formula	<b>-TP53</b>		<b>-TP53 &amp;</b>		<b>-TP53 &amp; &amp;</b>		<b>-TP53 &amp; &amp;</b>		<b>ASXL1   -TP53</b>		<b>[ -TP53 &amp; ]</b>   <b>[ ASXL1 &amp; TP53 ]</b>		<b>ASXL1 PML-RAI</b>  <b>-TP53</b>		<b>ASXL1 PML-RAI</b>  <b>-TP53  </b>						
Specificity	12	1	0.89	12	1	0.89	12	1	0.89	12	1	0.89	15	1	0.89	16	1	0.89			
Precision	4	8	0.92	4	8	0.92	4	8	0.92	4	8	0.92	15	1	0.94	1	8	0.94	16	1	0.94
Recall			0.75			0.75			0.75			0.94			0.94	0	8	1	0	8	1

LAML  
 id: 305 name: TPCA-1  
 target: IKK class: other

25 cell lines  
 15 sensitive

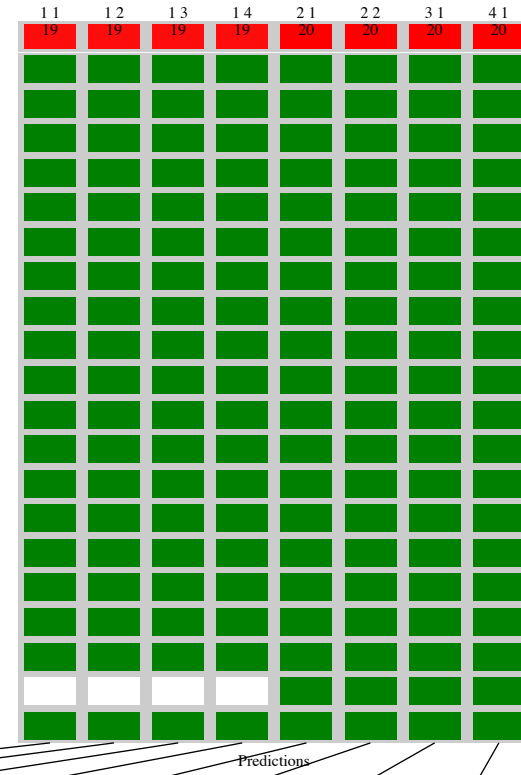
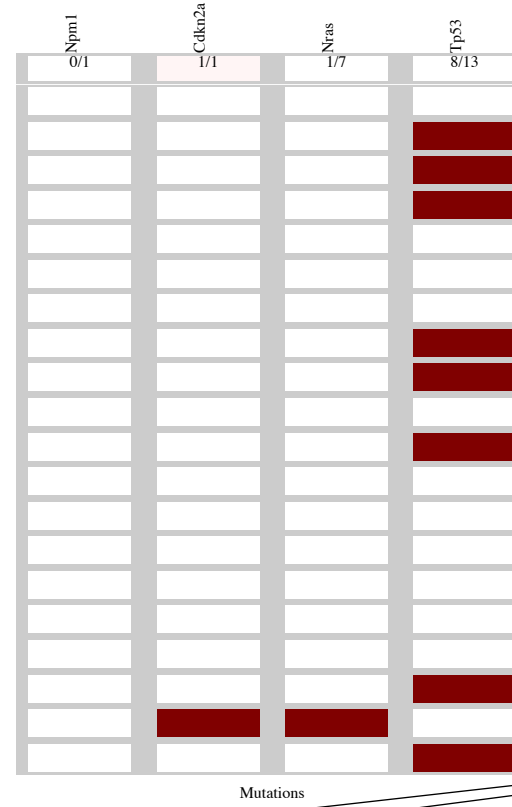
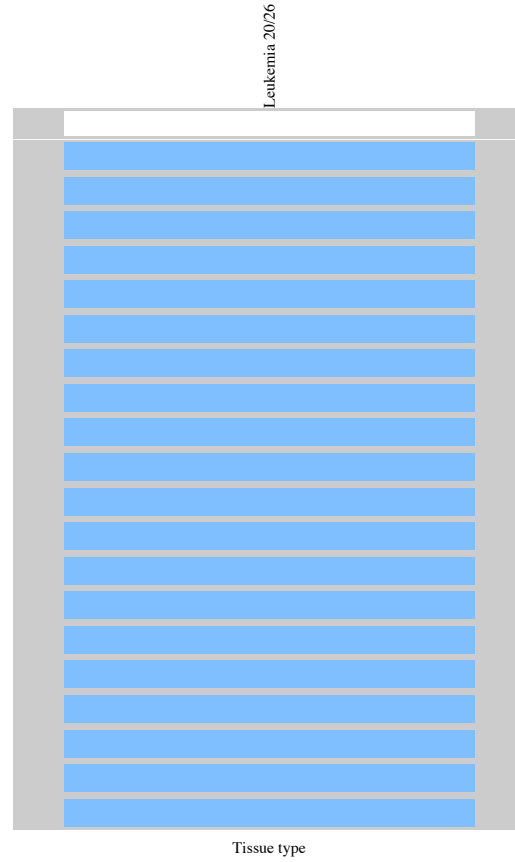
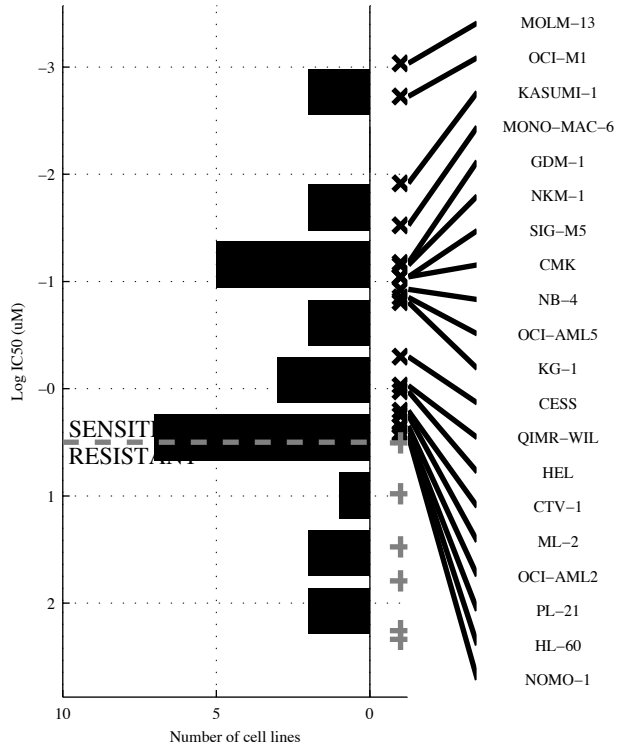


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>IL-1-U</b>	<b>¬NOTCH &amp; ¬NRAS</b>	<b>¬NOTCH &amp; ¬NRAS &amp; ¬MAPK o</b>	<b>¬NOTCH &amp; ¬NRAS &amp; ¬MAPK &amp;</b>	<b>TET2   IL-1-U</b>	<b>[TLR-U &amp; TNFa-U]   [¬NOTCH &amp; ¬NRAS]</b>	<b>PTPN11   TET2   IL-1-U</b>	<b>PTPN11   TET2   IL-1-U   TLR-UP</b>
TP   FP	1   0	15   1	15   0	15   0	3   0	15   1	4   0	6   1
Specificity	1	0.9	1	1	1	0.9	1	0.9
FN   TN	14   10	0   9	0   10	0   10	12   10	0   9	11   10	9   9
Precision	1	0.94	1	1	1	0.94	1	0.86
Recall	0.067	1	1	1	0.2	1	0.27	0.4



LAML  
 id: 306 name: TG101348  
 target: JAK2 class: other

26 cell lines  
 20 sensitive

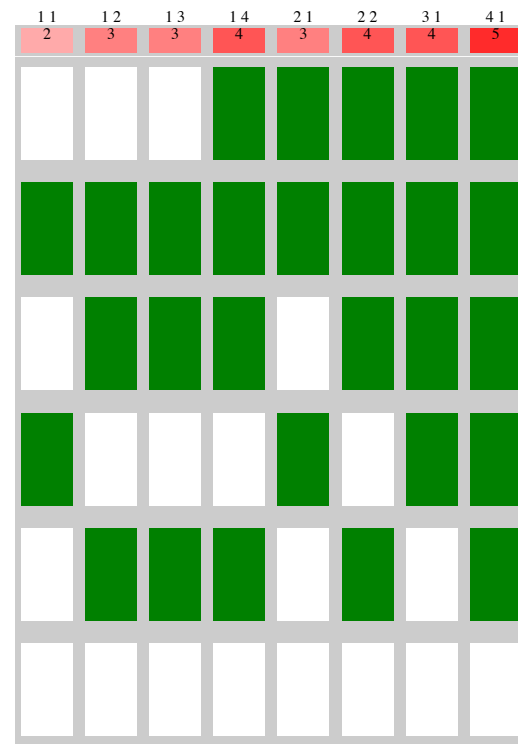
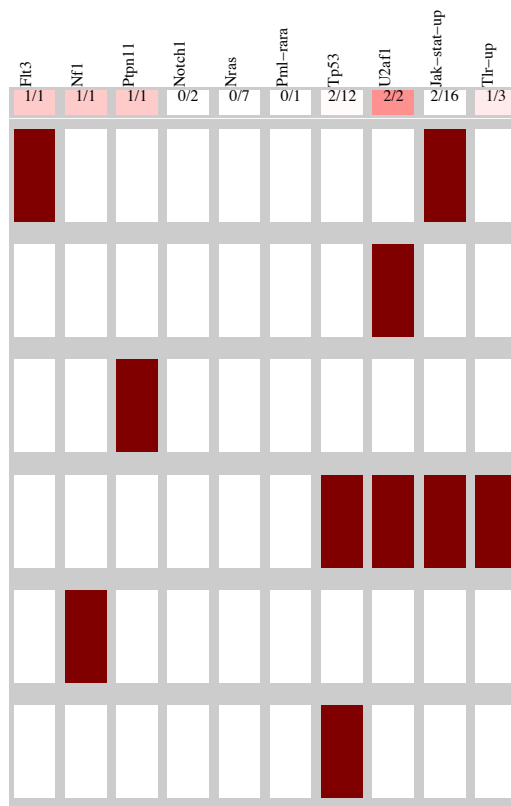
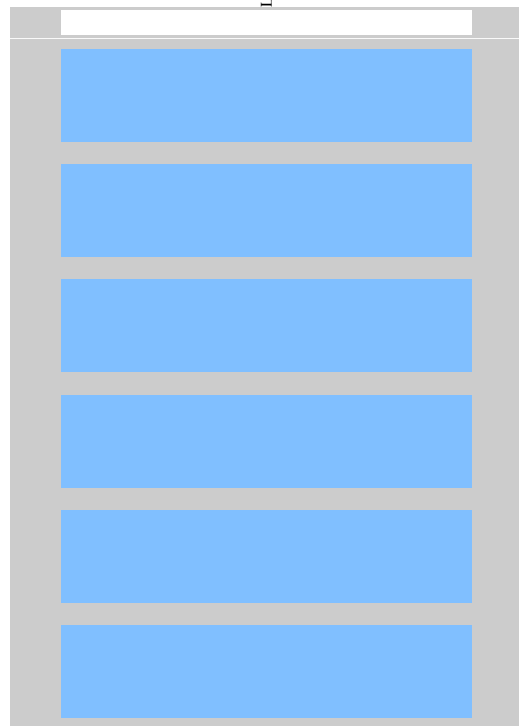
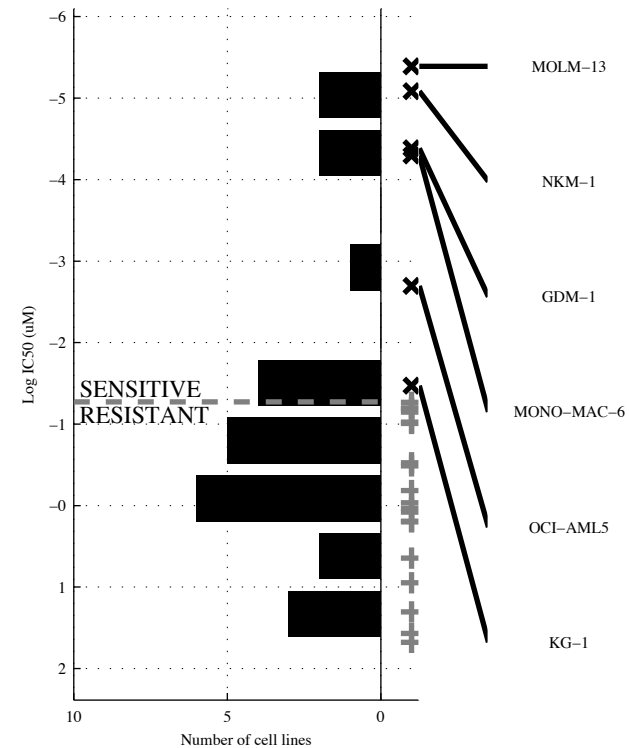


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>-NRAS</b>	<b>-NRAS &amp;</b>	<b>-NRAS &amp; &amp;</b>	<b>-NRAS &amp; &amp;</b>	<b>CDKN2A   -NRAS</b>	<b>[ -NRAS &amp;   &amp; [ -NPM1 &amp; -TP53 ]</b>	<b>CDKN2A   -NRAS  </b>	<b>CDKN2A   -NRAS  </b>
TP   FP FN   TN	19   0 1   6	19   0 1   6	19   0 1   6	19   0 1   6	20   0 0   6	20   0 0   6	20   0 0   6	20   0 0   6
Specificity Precision Recall	1 1 0.95	1 1 0.95	1 1 0.95	1 1 0.95	1 1 1	1 1 1	1 1 1	1 1 1

LAML  
 id: 308 name: XL-880  
 target: MET class: RTK signaling

25 cell lines  
 6 sensitive

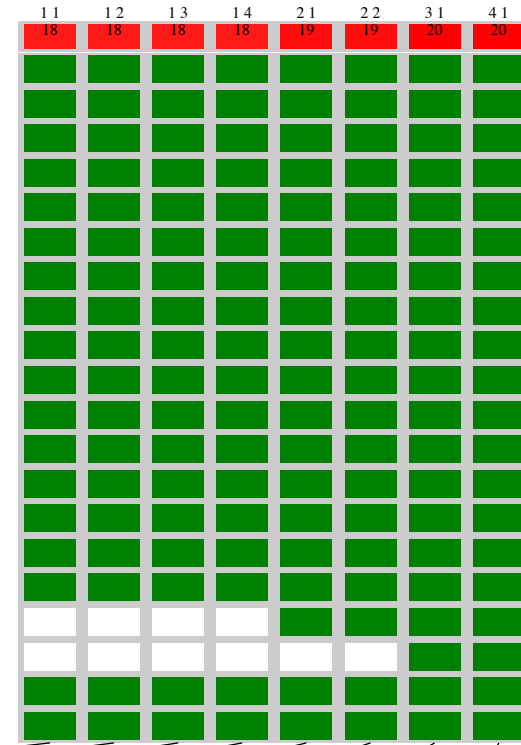
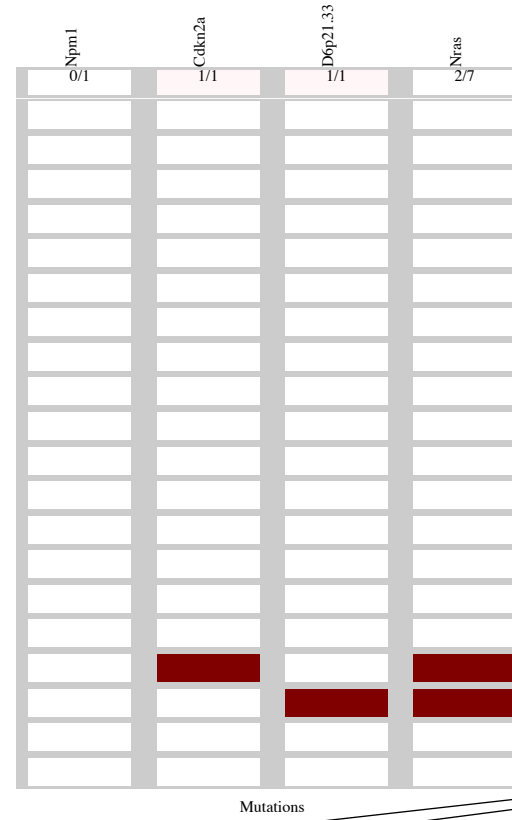
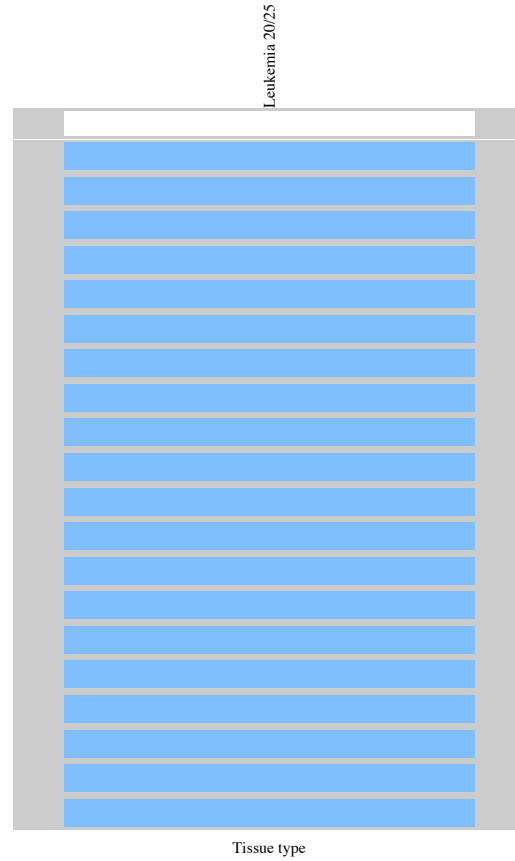
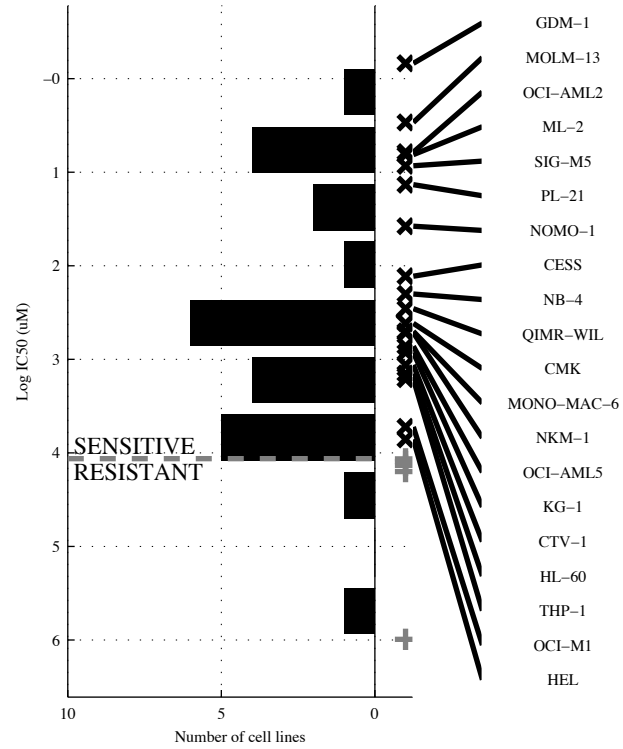
Leukemia 6/25



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>U2AF1</b>	<b>-TP53 &amp; JAK-ST</b>	<b>-TP53 &amp; JAK-ST &amp; -TLR-UP</b>	<b>-NOTCH1 &amp; -NRAS &amp; -TP53 &amp; TLR-UP</b>	<b>FLT3   U2AF1</b>	<b>[ FLT3 &amp; PML-RARA   -TP53 &amp; JAK-ST ]</b>	<b>FLT3   PTPN11   U2AF1</b>	<b>FLT3   NF1   PTPN11   U2AF1</b>
TP   FP	2   0	3   2	3   0	4   3	3   0	4   2	4   0	5   0
Specificity	1	0.89	1	0.84	1	0.89	1	1
FP	1	0.6	1	0.57	1	0.67	1	1
FN   TN	4   19	3   17	3   19	2   16	3   19	2   17	2   19	1   19
Recall	0.33	0.5	0.5	0.67	0.5	0.67	0.67	0.83

LAML  
 id: 309 name: Y-39983  
 target: ROCK class: cytoskeleton

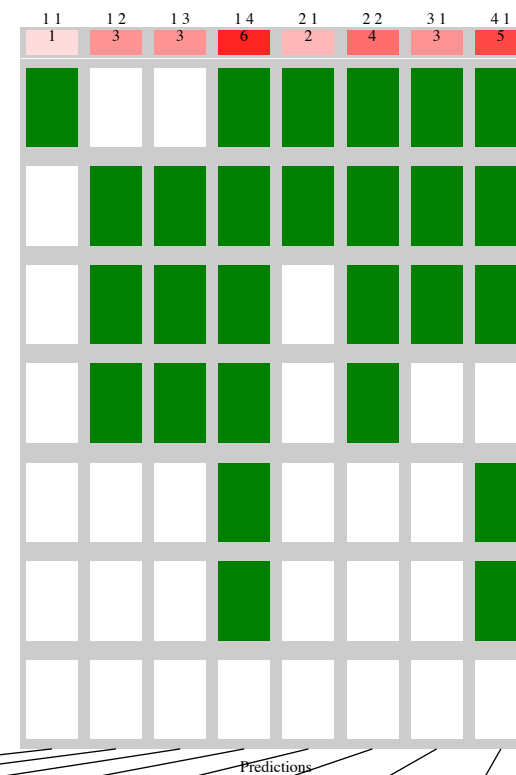
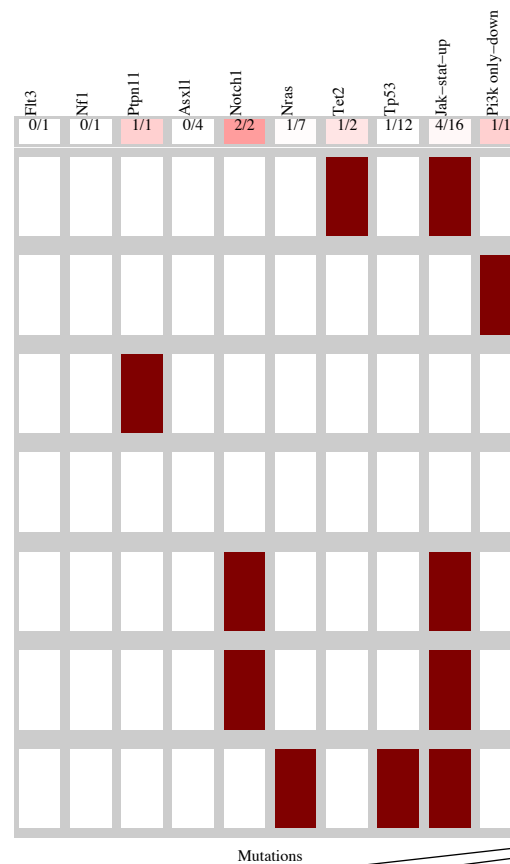
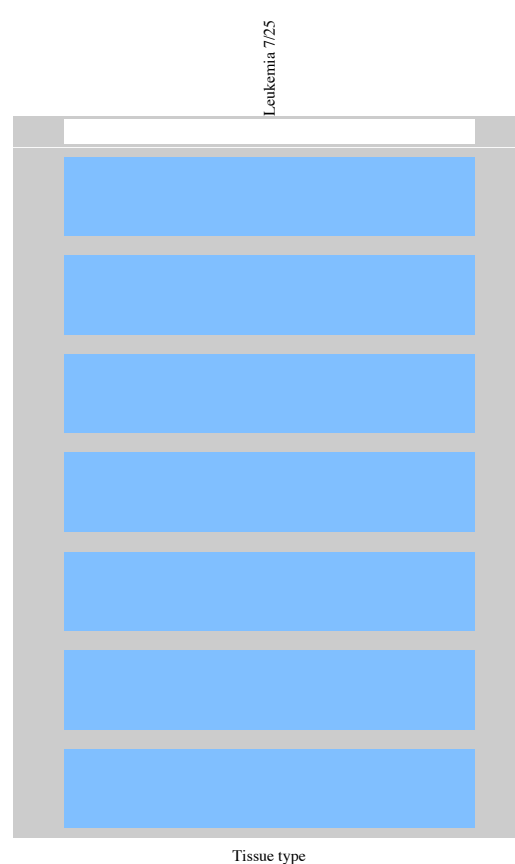
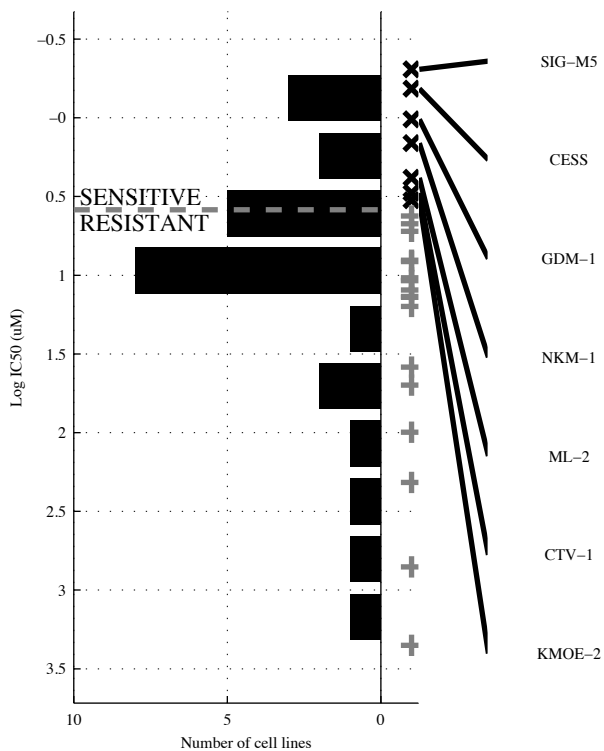
25 cell lines  
 20 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>-NRAS</b>	<b>-NRAS &amp;</b>	<b>-NRAS &amp; &amp;</b>	<b>-NRAS &amp; &amp;</b>	<b>CDKN2A   -NRAS</b>	<b>[ CDKN2A &amp;   ]</b>	<b>CDKN2A   d6p21.  </b>	<b>CDKN2A   d6p21.  </b>
				<b>&amp;</b>		<b>[ -NPM1 &amp; -NRAS ]</b>	<b>-NRAS</b>	<b>-NRAS  </b>
TP   FP	18   0	18   0	18   0	18   0	19   0	19   0	20   0	20   0
FN   TN	2   5	2   5	2   5	2   5	1   5	1   5	0   5	0   5
Specificity	1	1	1	1	1	1	1	1
Precision	1	1	1	1	1	1	1	1
Recall	0.9	0.9	0.9	0.9	0.95	0.95	1	1

LAML  
 id: 310 name: YM201636  
 target: FYV1 class: other

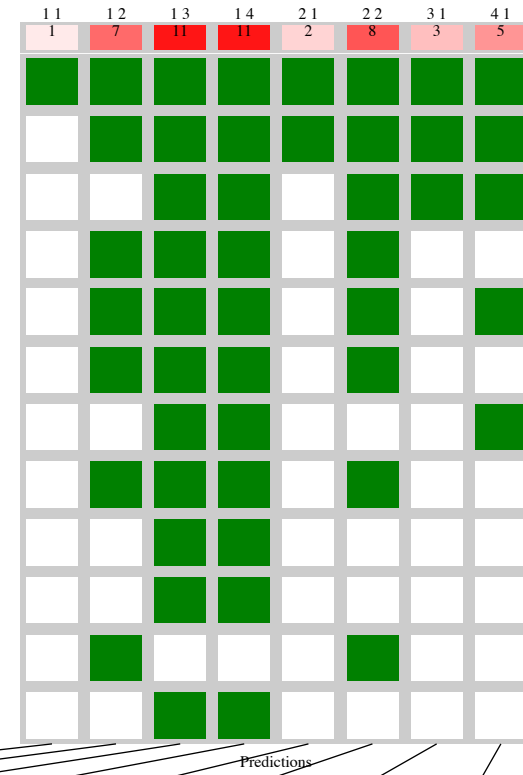
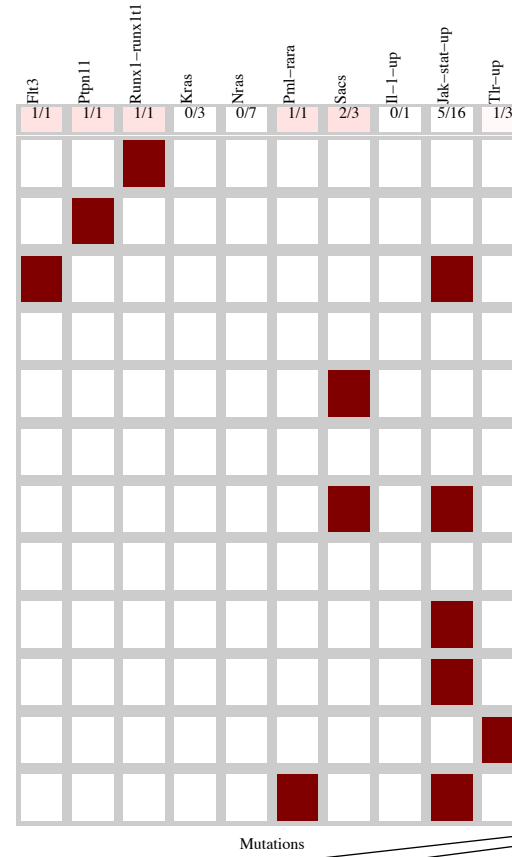
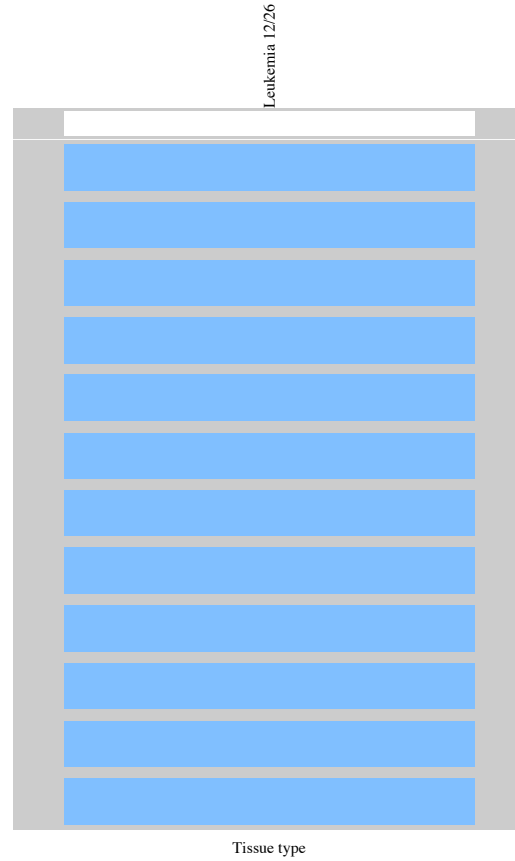
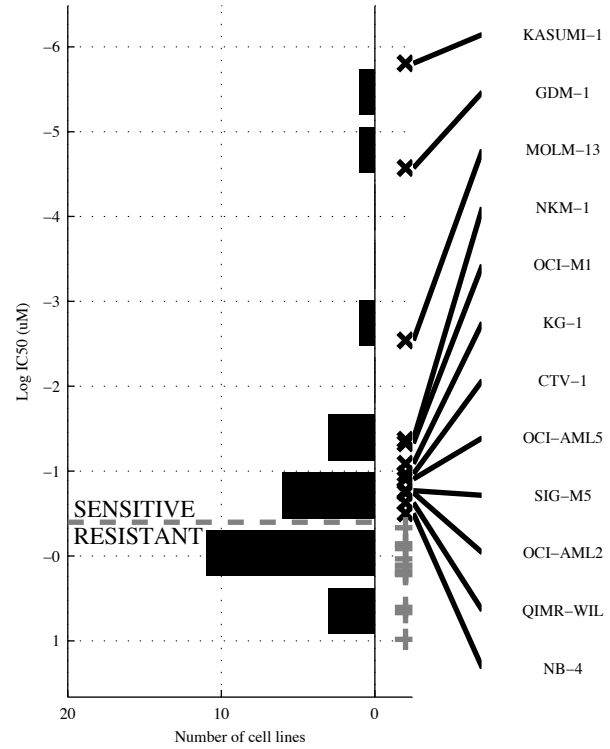
25 cell lines  
 7 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>TET2</b>	<b>-TP53 &amp; JAK-ST</b>	<b>-ASXL1 &amp; -TP53 &amp; -JAK-ST</b>	<b>-FLT3 &amp; -NF1 &amp; -NRAS &amp; -TP53</b>	<b>TET2   PI3K o</b>	[ <b>-TP53 &amp; JAK-ST</b> ]   [ <b>-FLT3 &amp; TET2</b> ]	<b>PTPN11   TET2   PI3K o</b>	<b>PTPN11 NOTCH1   TET2   PI3K o</b>
TP   FP Specificity	1   1 0.94	3   2 0.89	3   1 0.94	6   3 0.83	2   1 0.94	4   2 0.89	3   1 0.94	5   1 0.94
FN   TN Precision	6   17 0.5	4   16 0.6	4   17 0.75	1   15 0.67	5   17 0.67	3   16 0.67	4   17 0.75	2   17 0.83
Recall	0.14	0.43	0.43	0.86	0.29	0.57	0.43	0.71

LAML  
 id: 312 name: AV-951  
 target: VEGFR class: RTK signaling

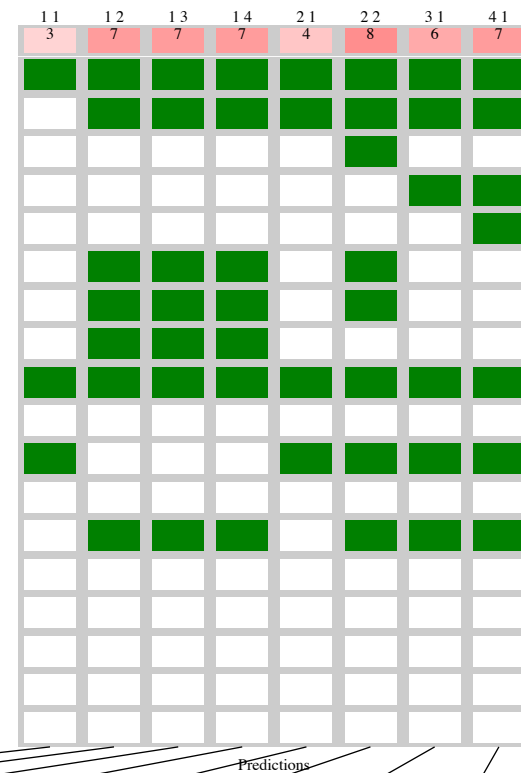
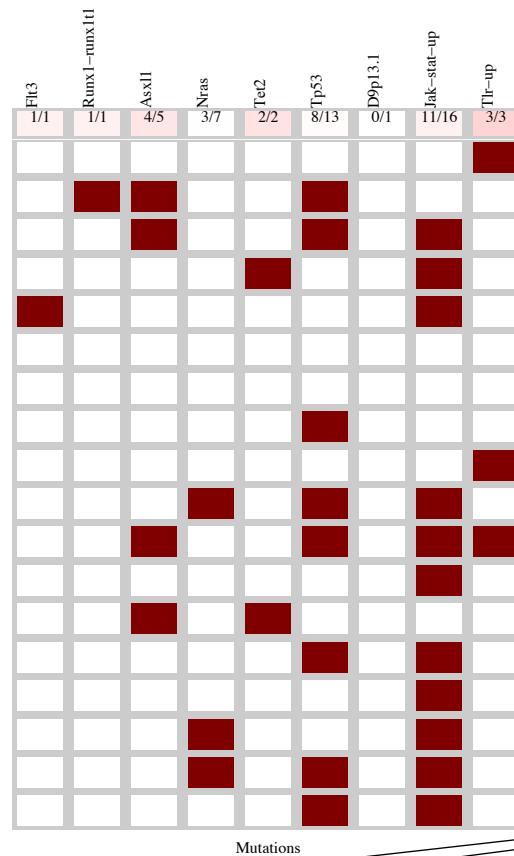
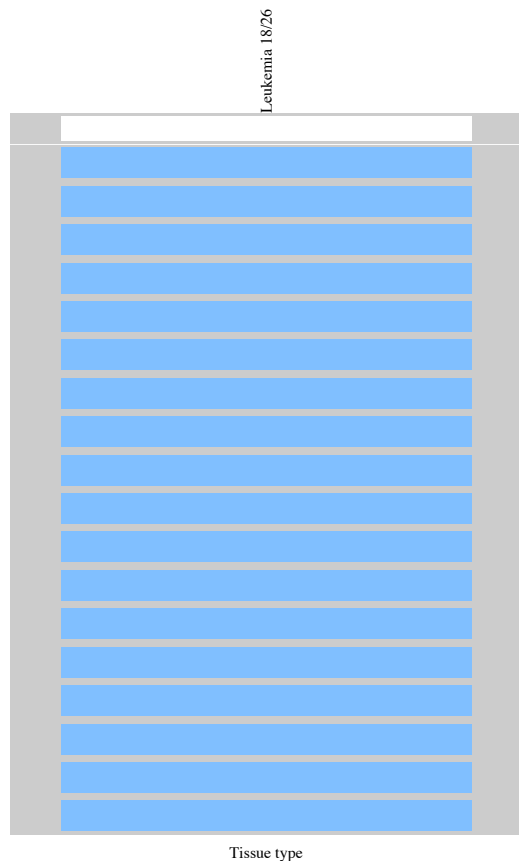
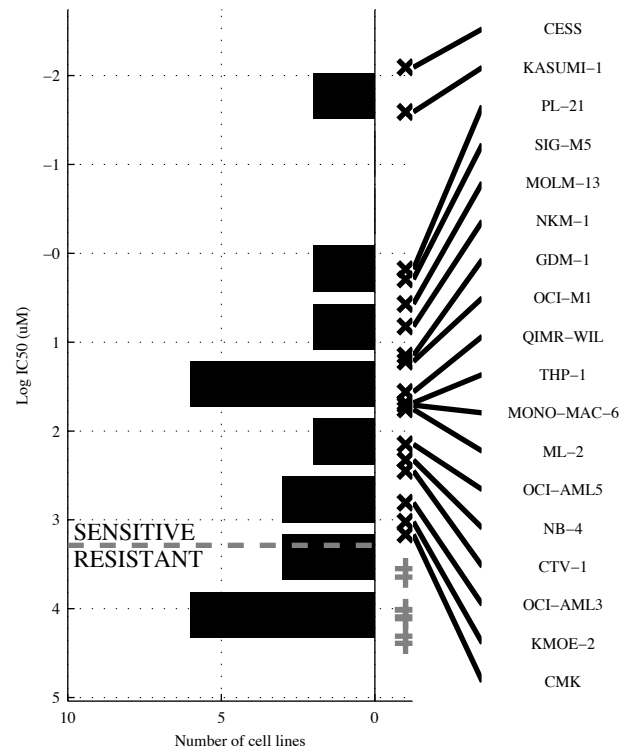
26 cell lines  
 12 sensitive



Model name	11	12	13	14	21	22	31	41
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>RUNX1-</b>	<b>-NRAS&amp;JAK-ST</b>	<b>-KRAS&amp;-NRAS&amp; -TLR-UP</b>	<b>-KRAS&amp;-NRAS&amp; -IL-1-&amp;TLR-UP</b>	<b>PTPN11 RUNX1-</b>	<b>[ -NRAS&amp;JAK-ST ]   [ FLT3 &amp;PML-RA ]</b>	<b>FLT3  PTPN11  RUNX1-</b>	<b>FLT3  PTPN11  RUNX1-  SACS</b>
TP   FP	1   0	7   1	11   2	11   1	2   0	8   1	3   0	5   1
FN   TN	11   14	5   13	1   12	1   13	10   14	4   13	9   14	7   13
Specificity		0.93	0.86	0.93		0.93		0.93
Precision		0.88	0.85	0.92		0.89		0.83
Recall	0.083	0.58	0.92	0.92	0.17	0.67	0.25	0.42

LAML  
 id: 326 name: GSK690693  
 target: AKT class: PI3K signaling

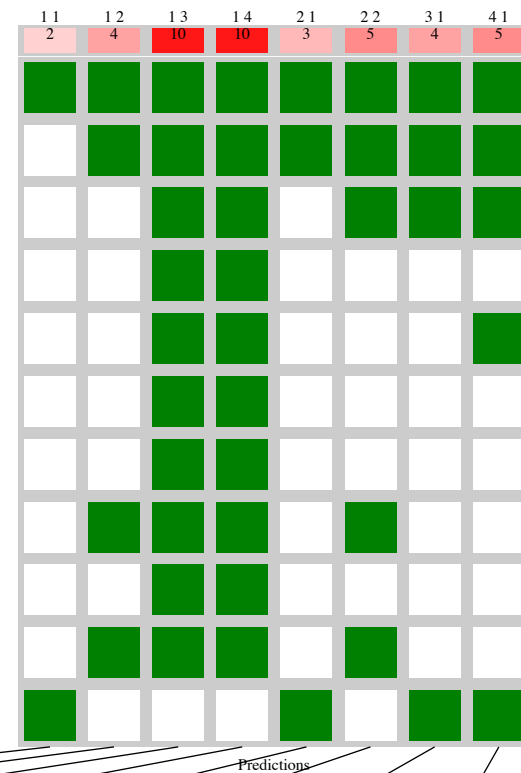
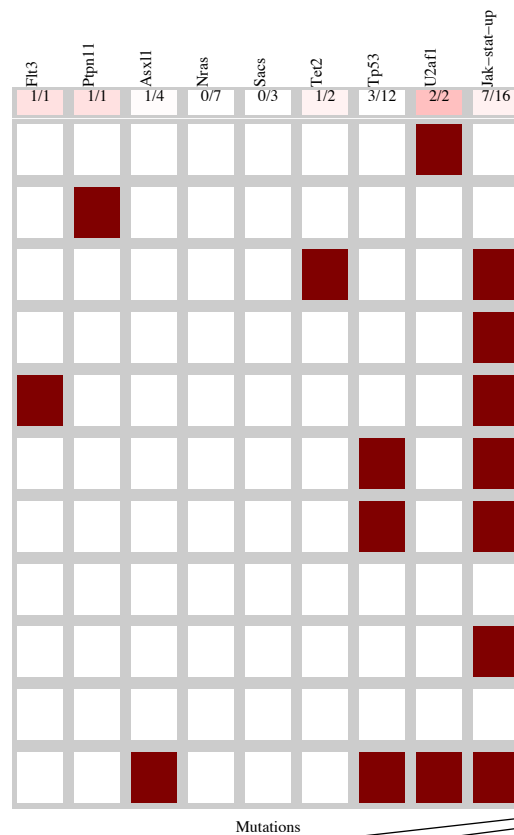
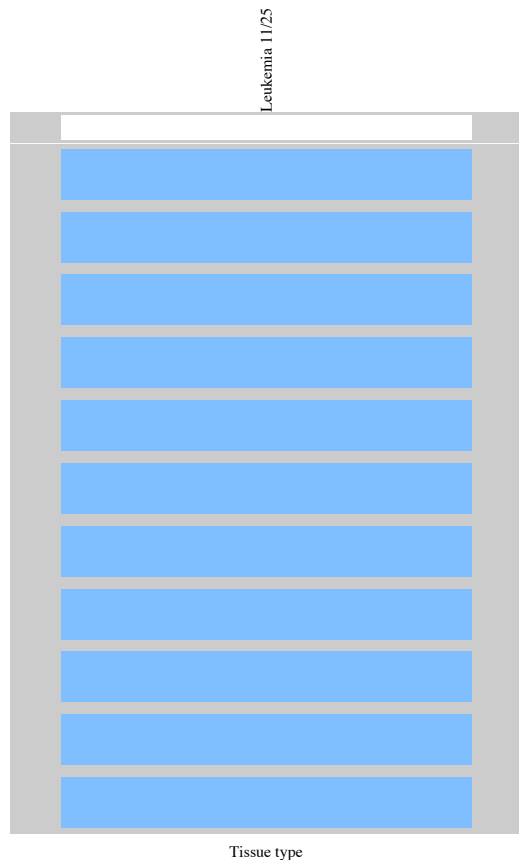
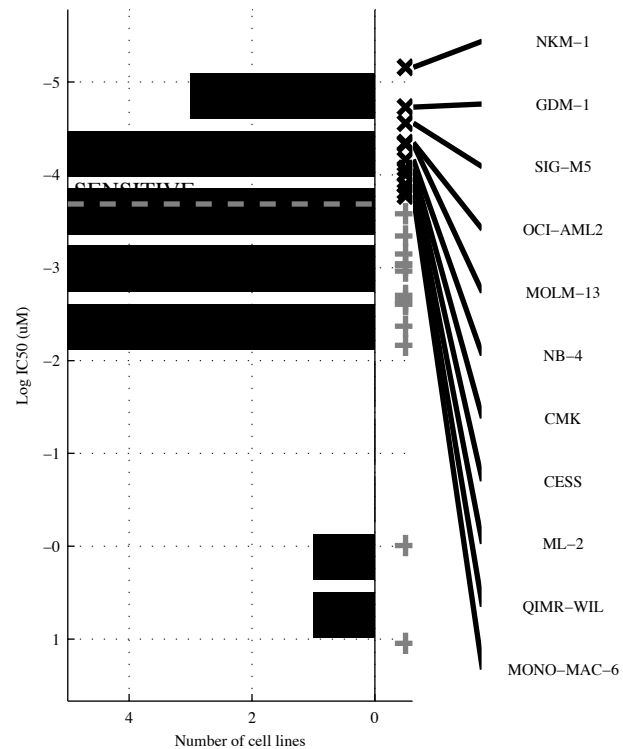
26 cell lines  
 18 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>TLR-UP</b>	<b>-NRAS&amp;JAK-ST</b>	<b>-NRAS&amp;-d9p13&amp; -JAK-ST</b>	<b>-NRAS&amp;-d9p13&amp; -JAK-ST&amp;</b>	<b>RUNX1-ITLR-UP</b>	<b>[ ASXL1&amp;-d9p13. ]   [ -TP53 &amp;JAK-ST ]</b>	<b>RUNX1-  TET2   TLR-UP</b>	<b>FLT3  RUNX1-  TET2  TLR-UP</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{3}{15} \mid \frac{0}{8}$ 1 0.17	$\frac{7}{11} \mid \frac{1}{7}$ 0.88 0.39	$\frac{7}{11} \mid \frac{1}{7}$ 0.88 0.39	$\frac{7}{11} \mid \frac{1}{7}$ 0.88 0.39	$\frac{4}{14} \mid \frac{0}{8}$ 1 0.22	$\frac{8}{10} \mid \frac{0}{8}$ 1 0.44	$\frac{6}{12} \mid \frac{0}{8}$ 1 0.33	$\frac{7}{11} \mid \frac{0}{8}$ 1 0.39

LAML  
 id: 328 name: SNX-2112  
 target: HSP90 class: other

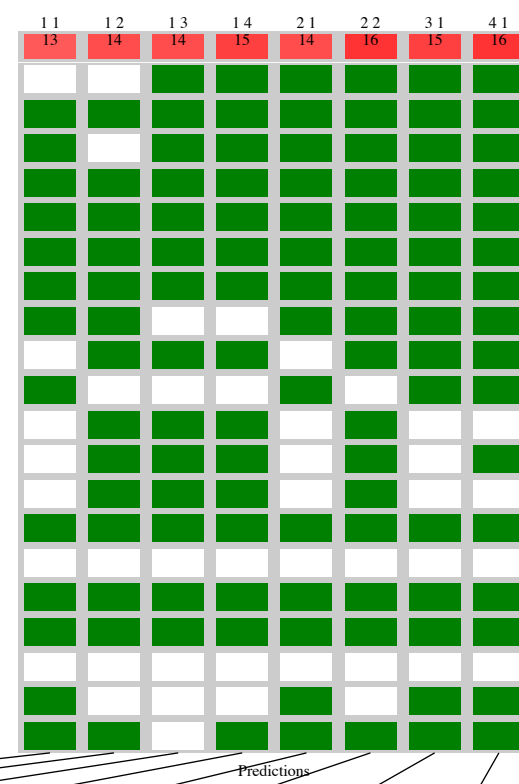
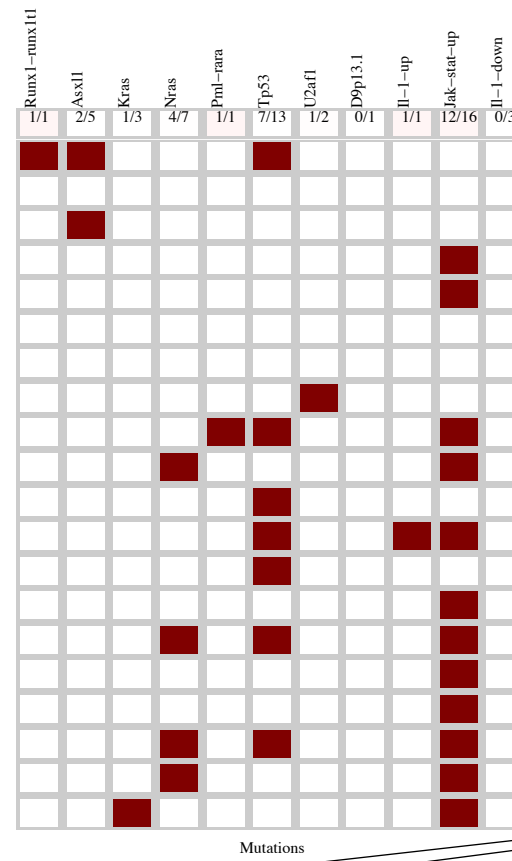
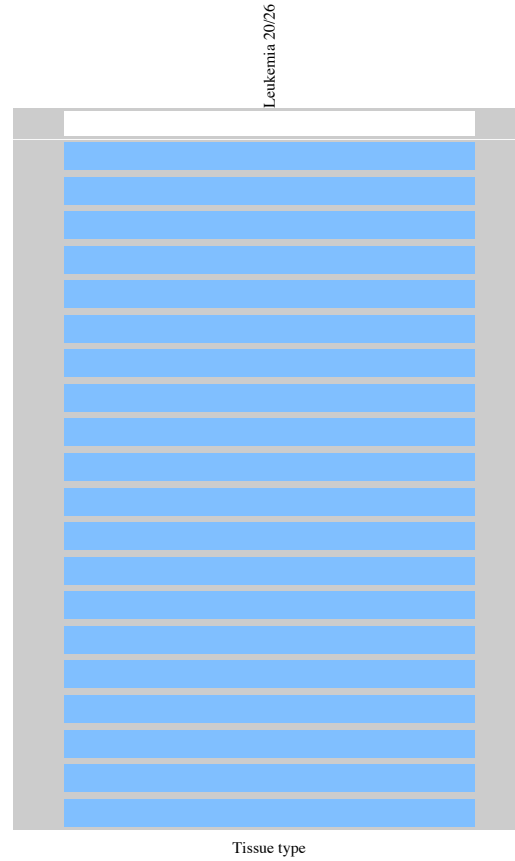
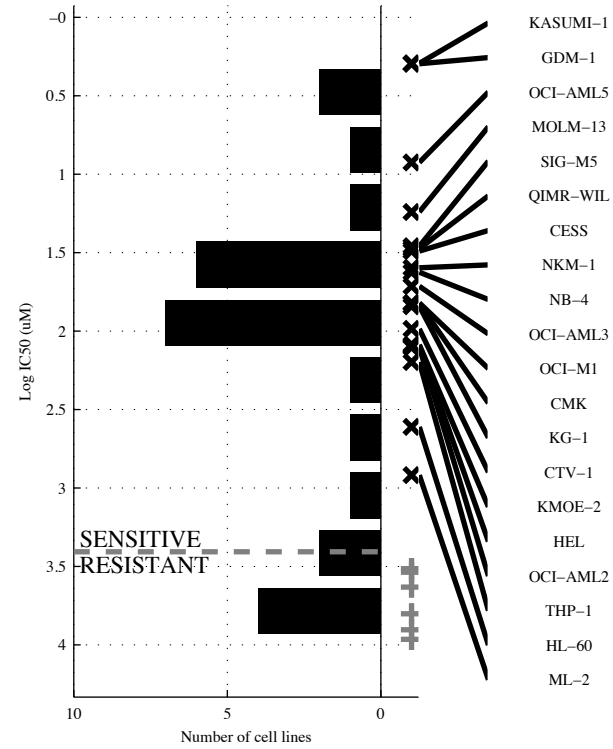
25 cell lines  
 11 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>U2AF1</b>	<b>-TP53 &amp; JAK-ST</b>	<b>-ASXL1 &amp; -NRAS &amp; -SACS</b>	<b>-ASXL1 &amp; -NRAS &amp; -SACS &amp;</b>	<b>PTPN11   U2AF1</b>	<b>[ -ASXL1 &amp; TET2 ]   [ -TP53 &amp; JAK-ST ]</b>	<b>PTPN11   TET2   U2AF1</b>	<b>FLT3   PTPN11   TET2   U2AF1</b>
TP   FP	2   0	4   1	10   2	10   2	3   0	5   1	4   1	5   1
Specificity	1	0.93	0.86	0.86	1	0.93	0.93	0.93
FN   TN	9   14	7   13	1   12	1   12	8   14	6   13	7   13	6   13
Precision	1	0.8	0.83	0.83	1	0.83	0.8	0.83
Recall	0.18	0.36	0.91	0.91	0.27	0.45	0.36	0.45

LAML  
 id: 329 name: QL-XI-92  
 target: DDR1 class: RTK signaling

26 cell lines  
 20 sensitive

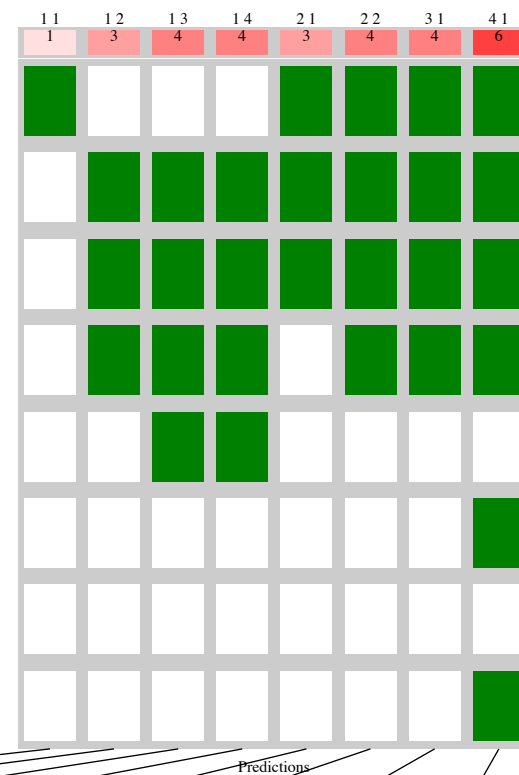
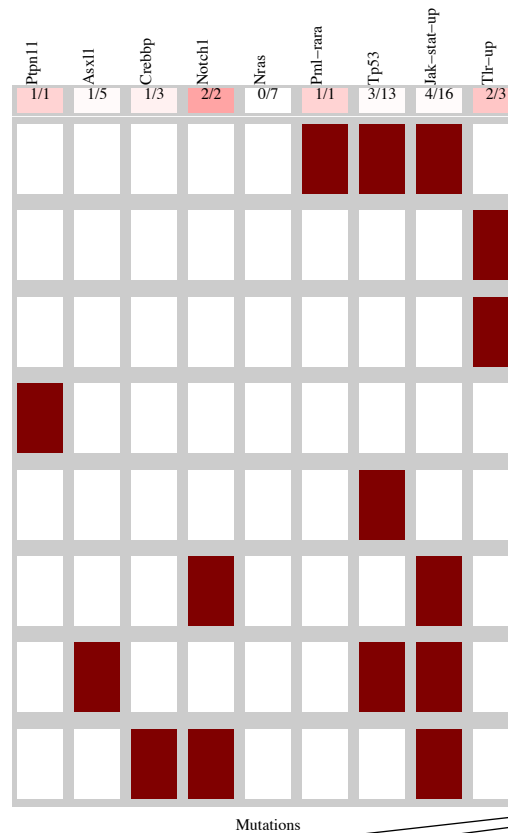
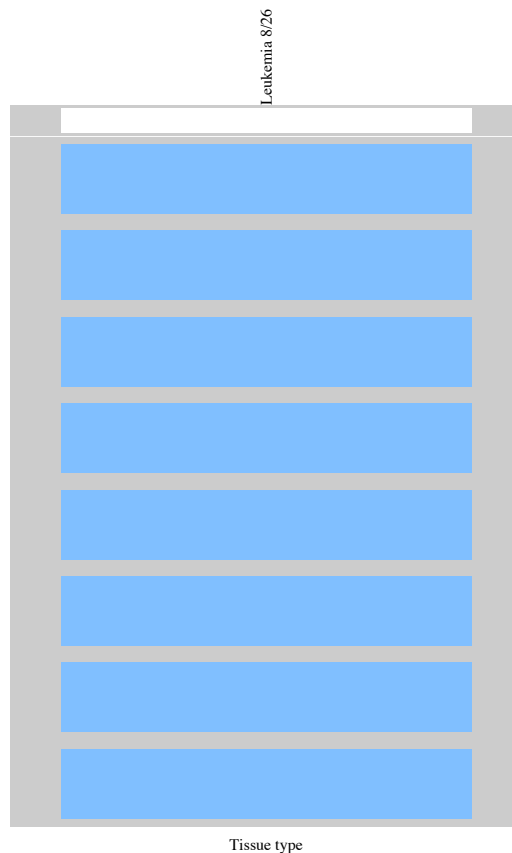
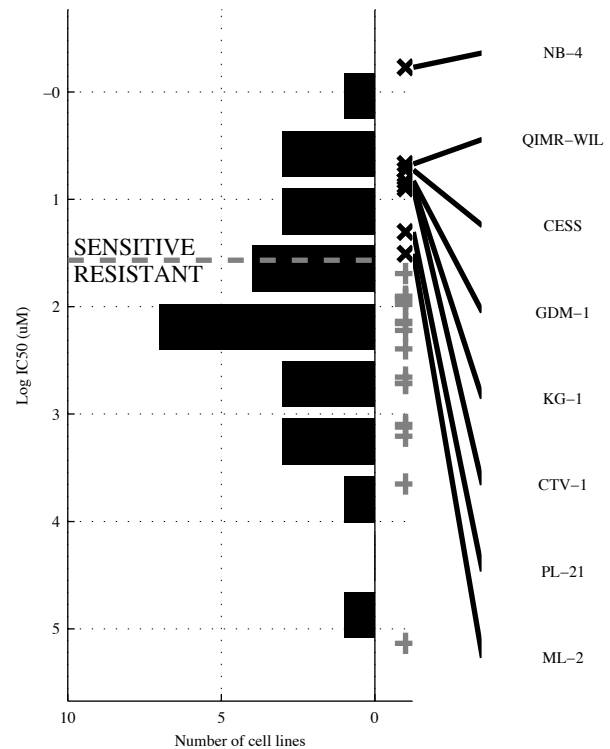


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>-TP53</b>	<b>-ASXL1 &amp; -NRAS</b>	<b>-KRAS &amp; -NRAS &amp; -U2AF1</b>	<b>-NRAS &amp; -U2AF1 &amp; -d9p13.1 &amp; -IL-1-D</b>	<b>RUNX1-1 -TP53</b>	<b>[ -ASXL1 &amp; -NRAS ]   [ -NRAS &amp; JAK-ST ]</b>	<b>RUNX1-PML-RA   -TP53</b>	<b>RUNX1-PML-RA   -TP53   IL-1-U</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{13}{7} \mid \frac{0}{6}$ 1 0.65	$\frac{14}{6} \mid \frac{0}{6}$ 1 0.7	$\frac{14}{6} \mid \frac{0}{6}$ 1 0.7	$\frac{15}{5} \mid \frac{0}{6}$ 1 0.75	$\frac{14}{6} \mid \frac{0}{6}$ 1 0.7	$\frac{16}{4} \mid \frac{0}{6}$ 1 0.8	$\frac{15}{5} \mid \frac{0}{6}$ 1 0.75	$\frac{16}{4} \mid \frac{0}{6}$ 1 0.8



LAML  
 id: 330 name: XMD13-2  
 target: RIPK class: other

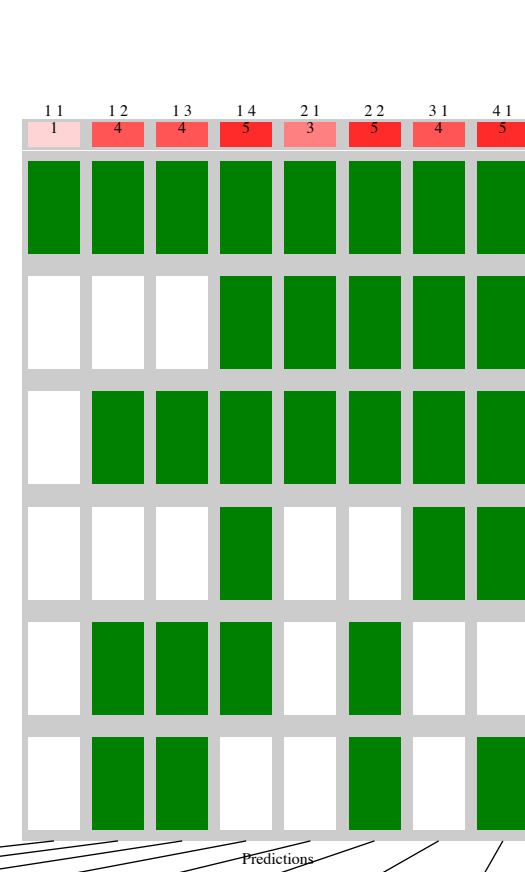
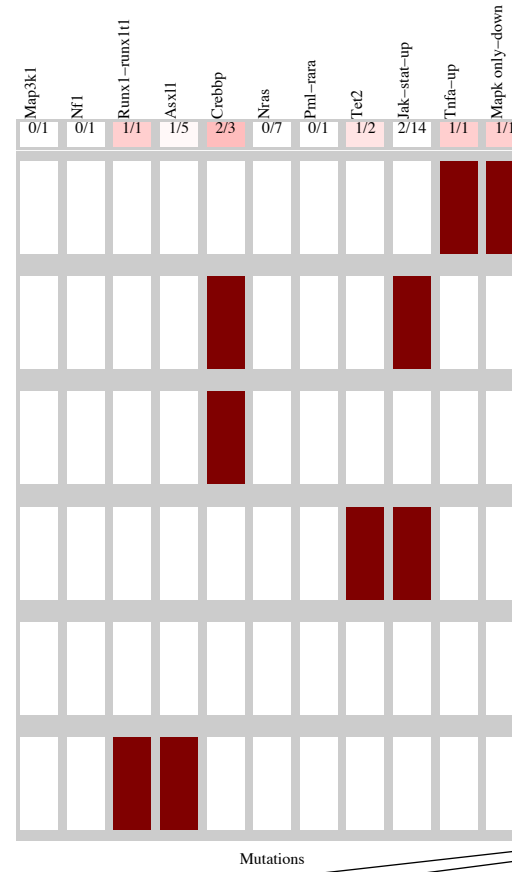
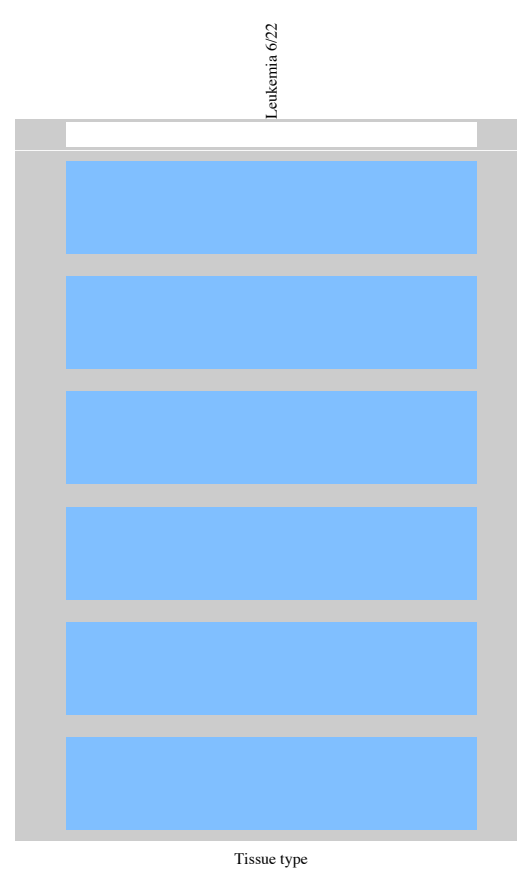
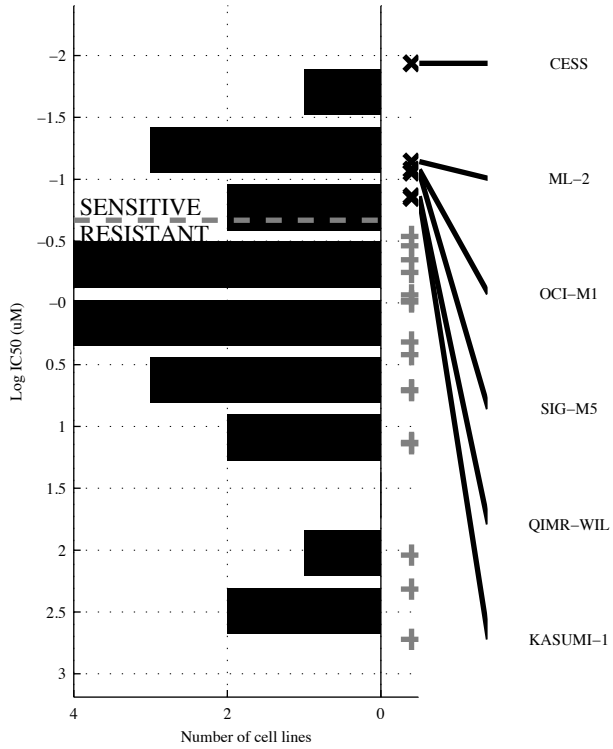
26 cell lines  
 8 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>PML-RA</b>	<b>-TP53 &amp; JAK-ST</b>	<b>-ASXL1 &amp; -NRAS &amp; -JAK-ST</b>	<b>-ASXL1 &amp; CREBBP &amp; -NRAS &amp; JAK-ST</b>	<b>PML-RA &amp; TLR-UP</b>	<b>[ PML-RA &amp; ]   [ -TP53 &amp; JAK-ST ]</b>	<b>PTPN11 PML-RA TLR-UP</b>	<b>PTPN11 NOTCH1 PML-RA &amp; TLR-UP</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{7} \mid \frac{0}{18}$ 1 0.13	$\frac{3}{5} \mid \frac{2}{16}$ 0.89 0.6 0.38	$\frac{4}{4} \mid \frac{2}{16}$ 0.89 0.67 0.5	$\frac{4}{4} \mid \frac{1}{17}$ 0.94 0.8 0.5	$\frac{3}{5} \mid \frac{1}{17}$ 0.94 0.75 0.38	$\frac{4}{4} \mid \frac{2}{16}$ 0.89 0.67 0.5	$\frac{4}{4} \mid \frac{1}{17}$ 0.94 0.8 0.5	$\frac{6}{2} \mid \frac{1}{17}$ 0.94 0.86 0.75

LAML  
 id: 331 name: QL-X-138  
 target: MNK2, PRKDC (DNAPK), MTOR, BTK, JAK3 class: other

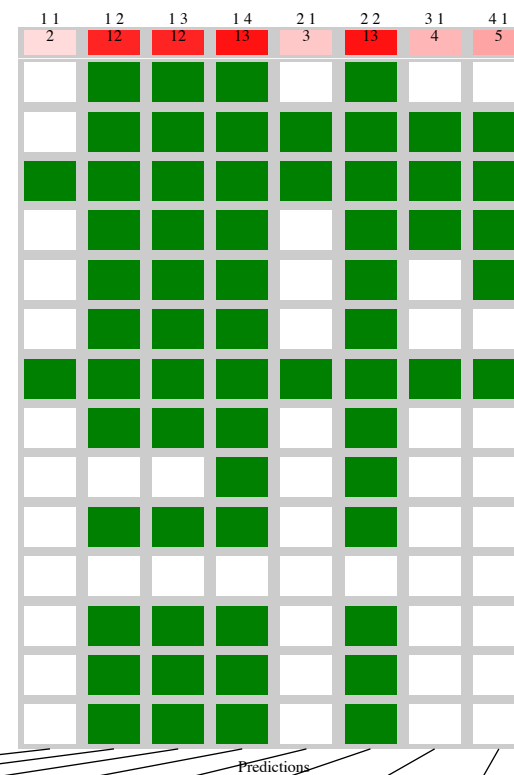
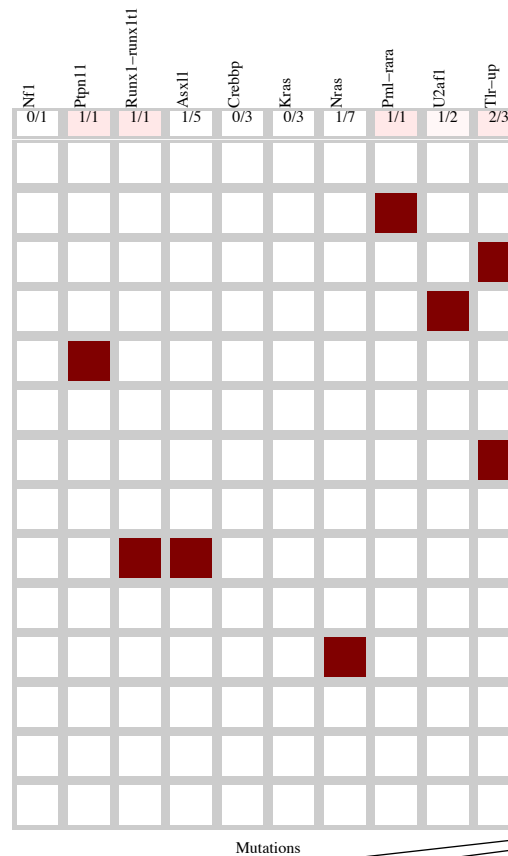
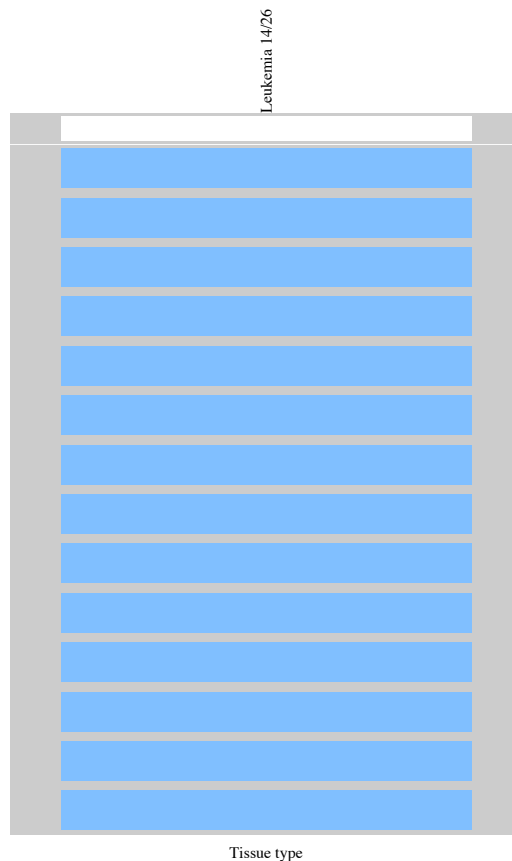
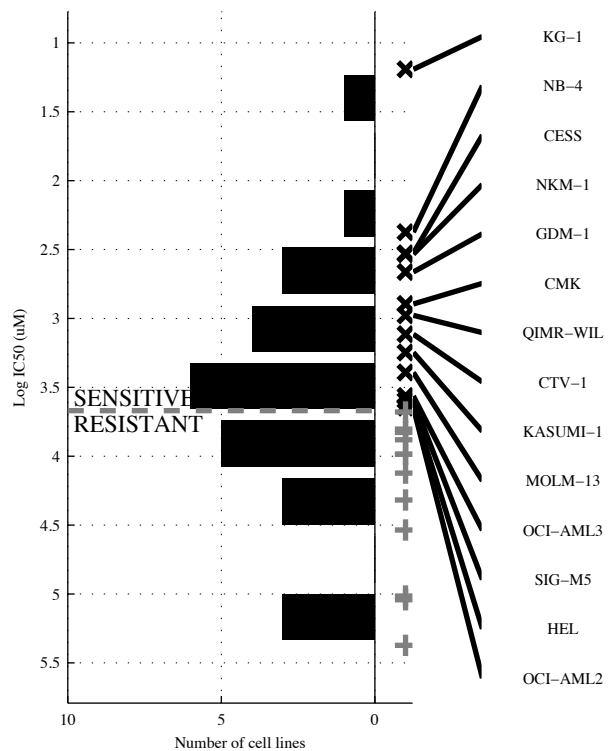
22 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	TNFa-U	<b>-NRAS&amp;JAK-ST</b>	<b>-NF1 &amp; -NRAS&amp; -JAK-ST</b>	<b>-MAP3K&amp;-ASXL1&amp; -NRAS&amp;PML-RA</b>	<b>CREBBPIMAPK o</b>	<b>[CREBBP &amp; -NRAS ]   [ -NRAS &amp; JAK-ST ]</b>	<b>CREBBP   TET2   MAPK o</b>	<b>RUNX1-CREBBP   TET2   MAPK o</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{5} \mid \frac{0}{16}$ 1 0.17	$\frac{4}{2} \mid \frac{2}{14}$ 0.88 0.67 0.67	$\frac{4}{2} \mid \frac{1}{15}$ 0.94 0.8 0.67	$\frac{5}{1} \mid \frac{3}{13}$ 0.81 0.63 0.83	$\frac{3}{3} \mid \frac{1}{15}$ 0.94 0.75 0.5	$\frac{5}{1} \mid \frac{2}{14}$ 0.88 0.71 0.83	$\frac{4}{2} \mid \frac{2}{14}$ 0.88 0.67 0.67	$\frac{5}{1} \mid \frac{2}{14}$ 0.88 0.71 0.83

LAML  
 id: 332 name: XMD15-27  
 target: CAMK2B, CLK2, DYRK1A, MAST1, STK39 class: other

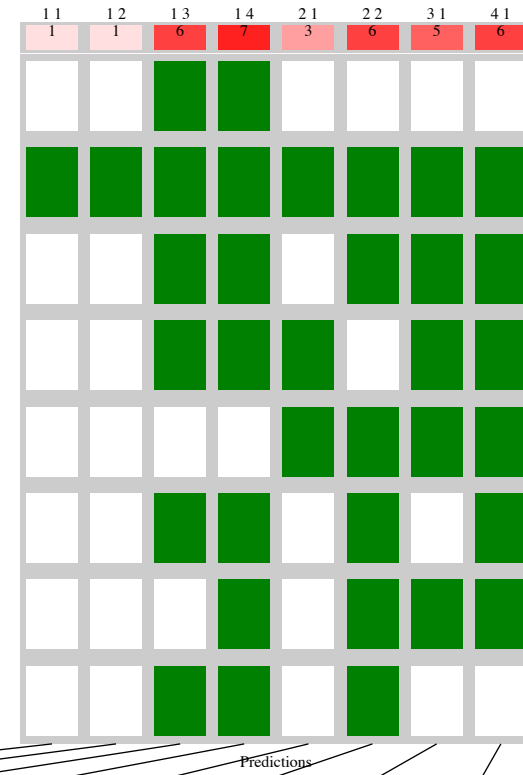
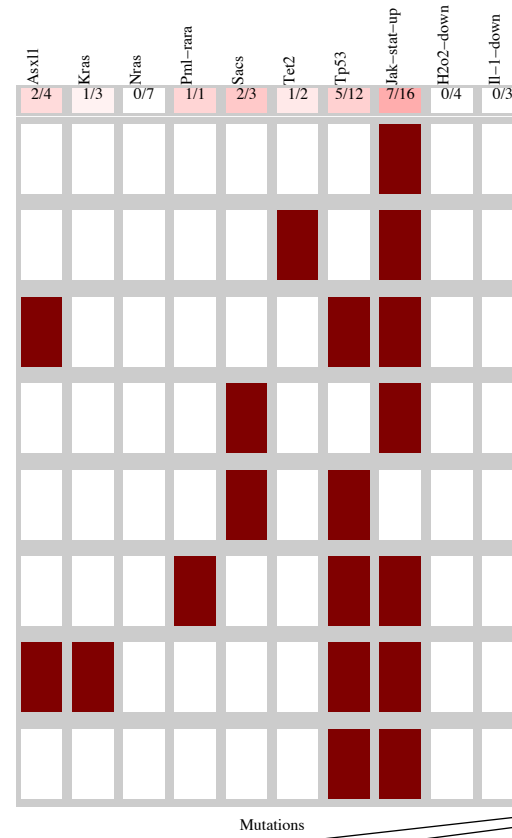
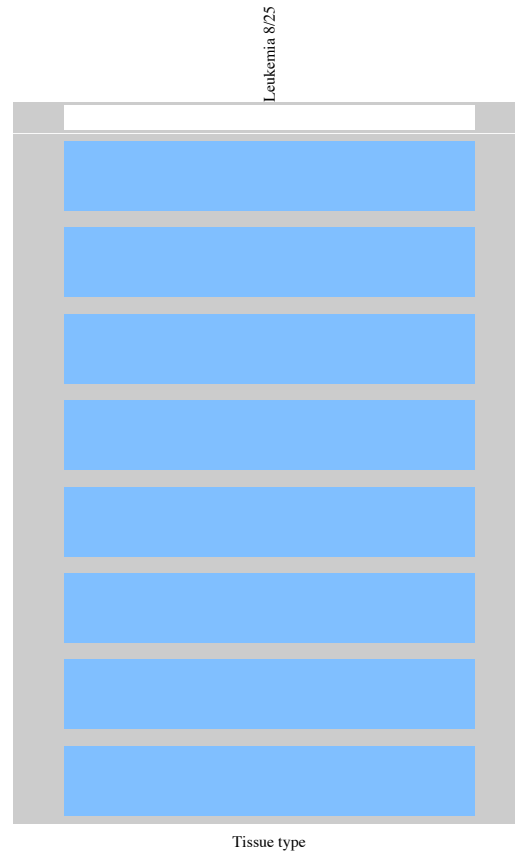
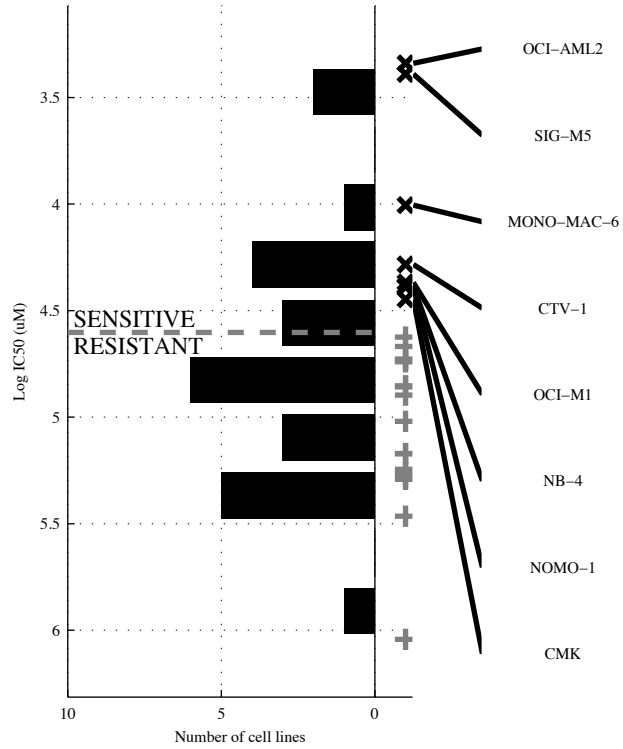
26 cell lines  
 14 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>TLR-UP</b>	<b>-ASXL1 &amp; -NRAS</b>	<b>-ASXL1 &amp; CREBBP &amp; -NRAS</b>	<b>-NF1 &amp; CREBBP &amp; -KRAS &amp; -NRAS</b>	<b>PML-RA I TLR-UP</b>	<b>[ RUNX1 &amp; ]   [ -ASXL1 &amp; -NRAS ]</b>	<b>PML-RA I U2AF1 I TLR-UP</b>	<b>PTPN11 PML-RA I U2AF1 I TLR-UP</b>
TP   FP Specificity FN   TN Precision Recall	2   1 0.92 12   11 0.67 0.14	12   2 0.83 2   10 0.86 0.86	12   0 1 2   12 1 0.86	13   1 0.92 1   11 0.93 0.93	3   1 0.92 11   11 0.75 0.21	13   2 0.83 1   10 0.87 0.93	4   1 0.92 10   11 0.8 0.29	5   1 0.92 9   11 0.83 0.36

LAML  
 id: 341 name: EX-527  
 target: SIRT1 class: other

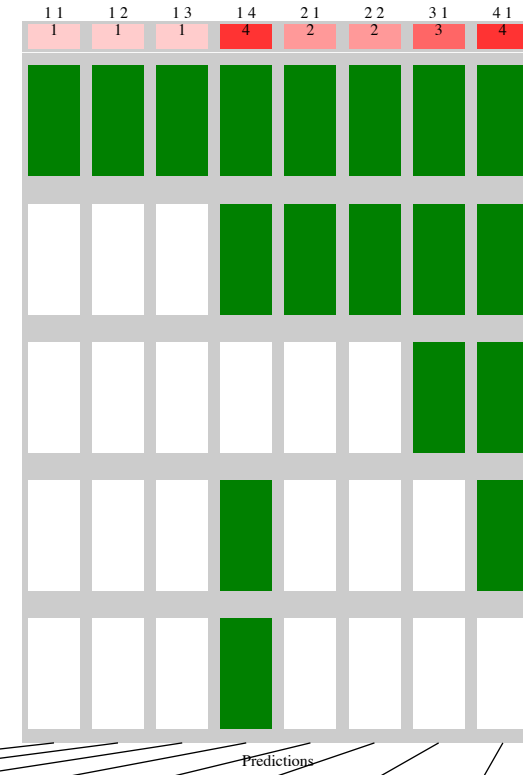
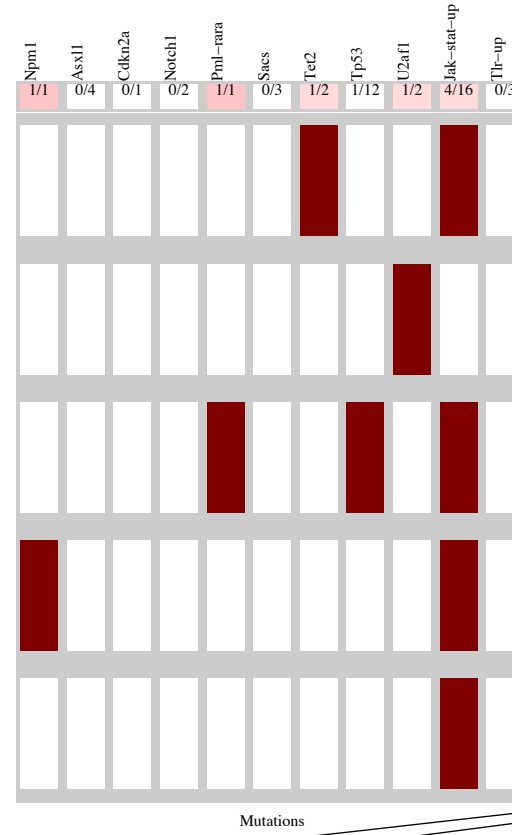
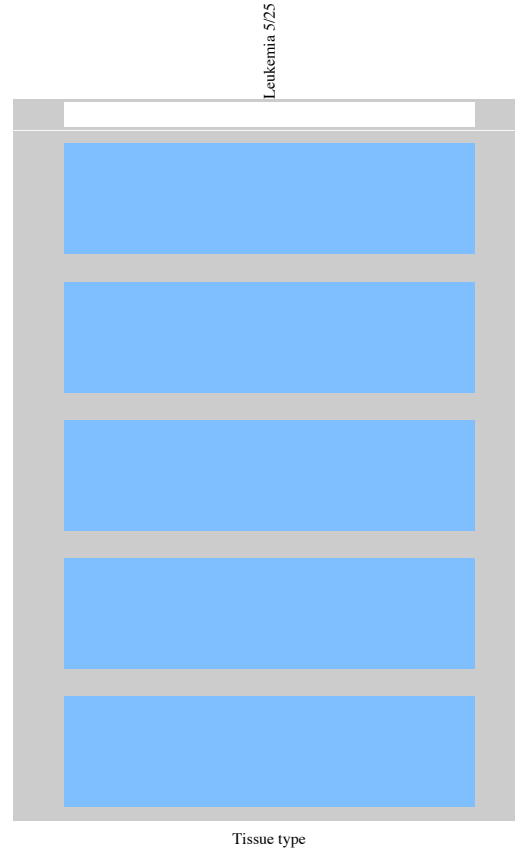
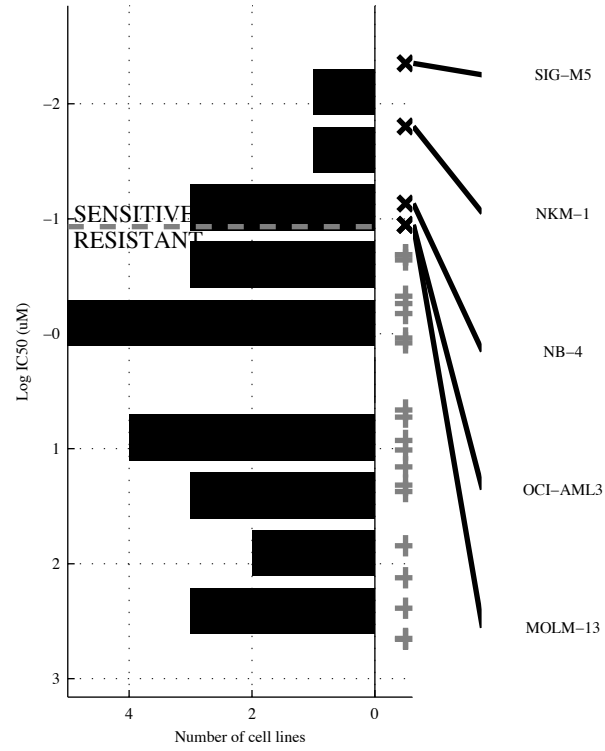
25 cell lines  
 8 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>TET2</b>	<b>¬ASXL1 &amp; TET2</b>	<b>¬KRAS &amp; ¬NRAS &amp; JAK-ST</b>	<b>¬NRAS &amp; JAK-ST &amp; ¬H2O2-D &amp; ¬IL-1-D</b>	<b>SACS   TET2</b>	<b>[ TET2 &amp; JAK-ST ]   [ ¬NRAS &amp; TP53 ]</b>	<b>ASXL1   SACS   TET2</b>	<b>ASXL1 PML-RA   SACS   TET2</b>
TP   FP Specificity	1   1 0.94	1   0 1	6   2 0.88	7   1 0.94	3   2 0.88	6   2 0.88	5   3 0.82	6   3 0.82
FN   TN Precision	7   16 0.5	7   17 1	2   15 0.75	1   16 0.88	5   15 0.6	2   15 0.75	3   14 0.63	2   14 0.67
Recall	0.13	0.13	0.75	0.88	0.38	0.75	0.63	0.75

LAML  
 id: 344 name: THZ-2-49  
 target: CDK9 class: cell cycle

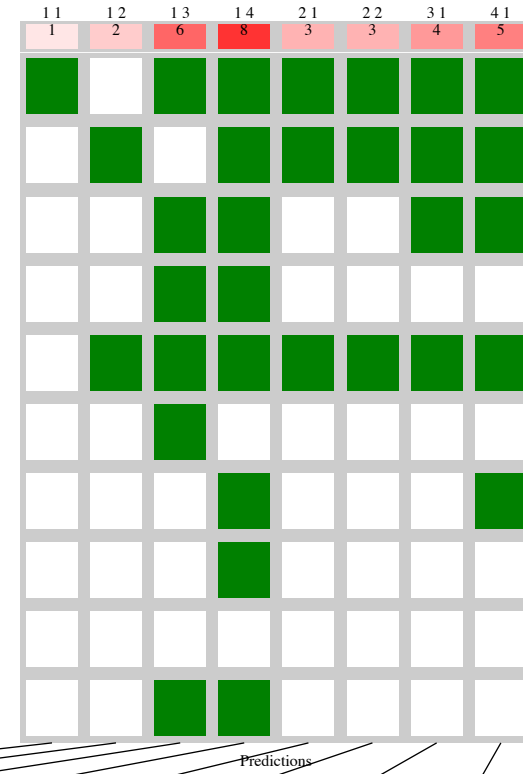
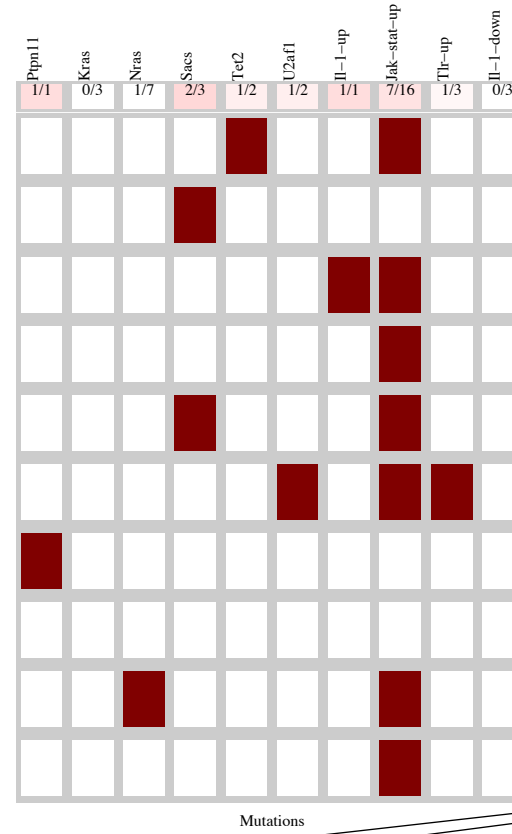
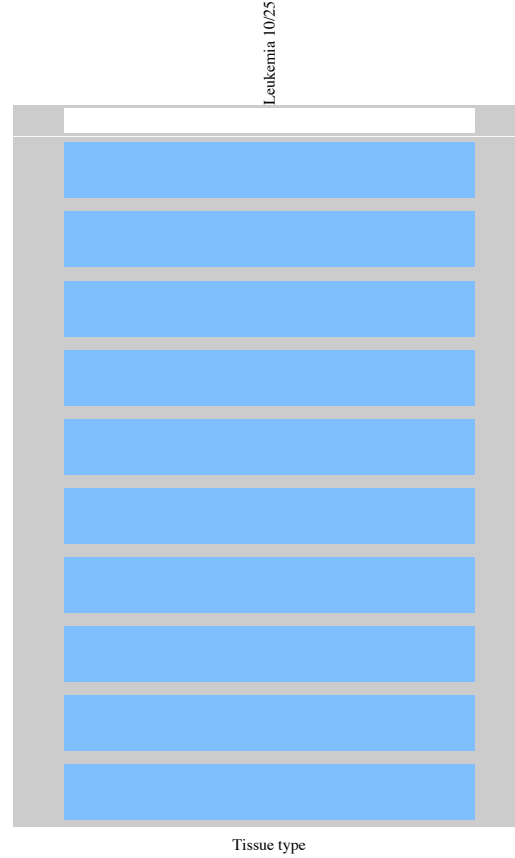
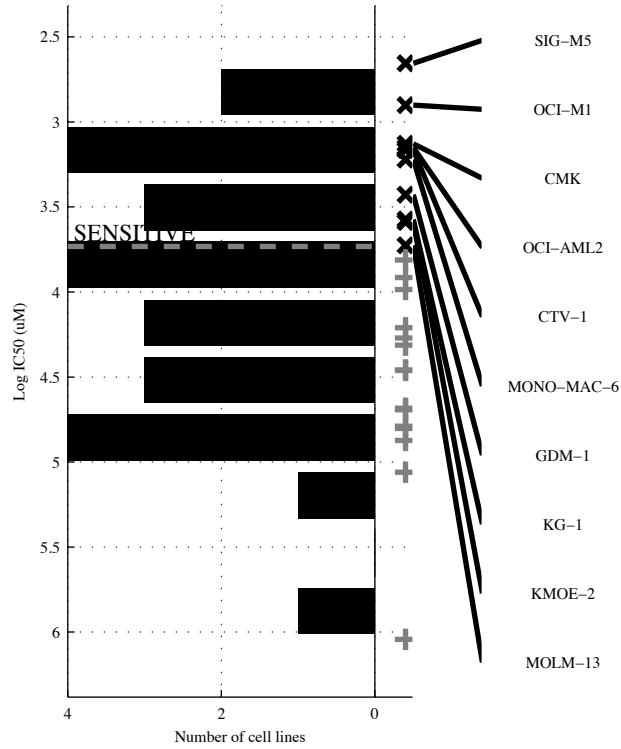
25 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>TET2</b>	<b>~ASXL1 &amp; TET2</b>	<b>~ASXL1 &amp; ~SACS &amp; TET2</b>	<b>~CDKN2A &amp; NOTCH1 &amp; ~TP53 &amp; TLR-UP</b>	<b>TET2   U2AF1</b>	<b>[ U2AF1 &amp; JAK-ST ]   [ TET2 &amp; JAK-ST ]</b>	<b>PML-RA   TET2   U2AF1</b>	<b>NPM1   PML-RA   TET2   U2AF1</b>
TP   FP	1   1	1   0	1   0	4   4	2   2	2   0	3   2	4   2
Specificity	0.95	1	1	0.8	0.9	1	0.9	0.9
FN   TN	4   19	4   20	4   20	1   16	3   18	3   20	2   18	1   18
Precision	0.5	1	1	0.5	0.5	1	0.6	0.67
Recall	0.2	0.2	0.2	0.8	0.4	0.4	0.6	0.8

LAML  
 id: 345 name: KIN001-270  
 target: CDK9 class: cell cycle

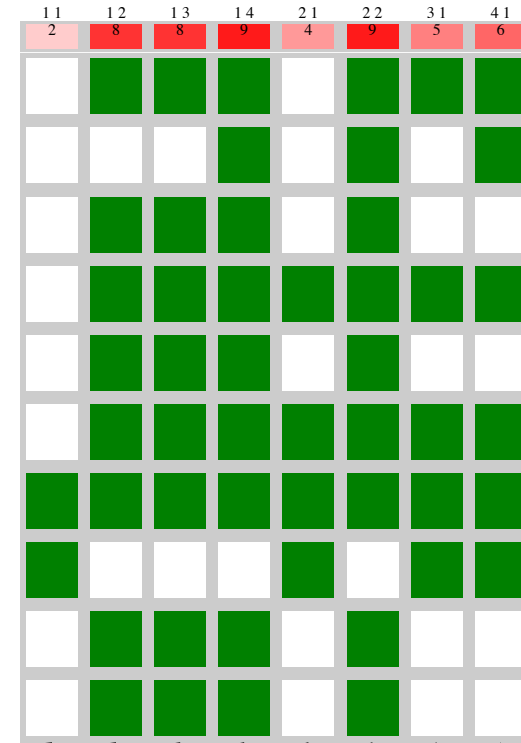
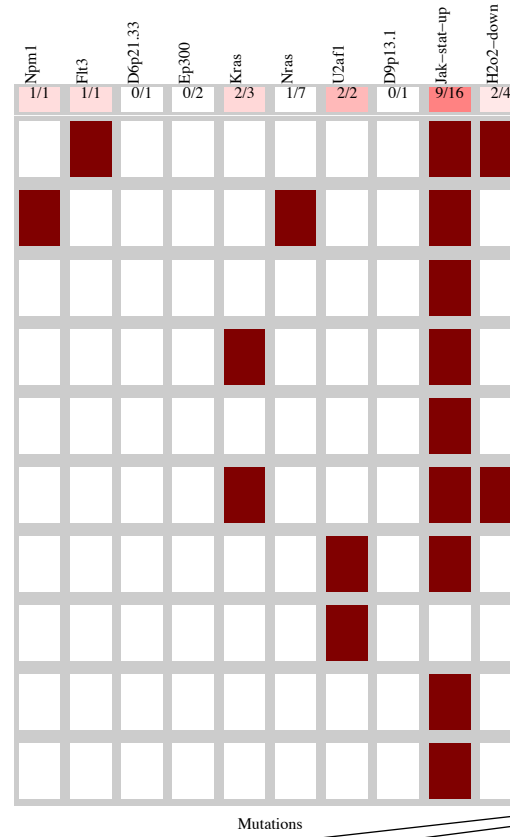
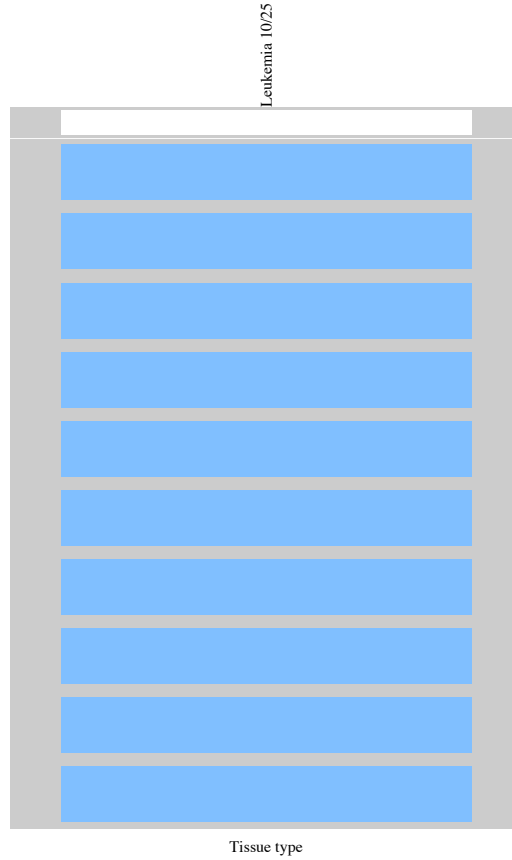
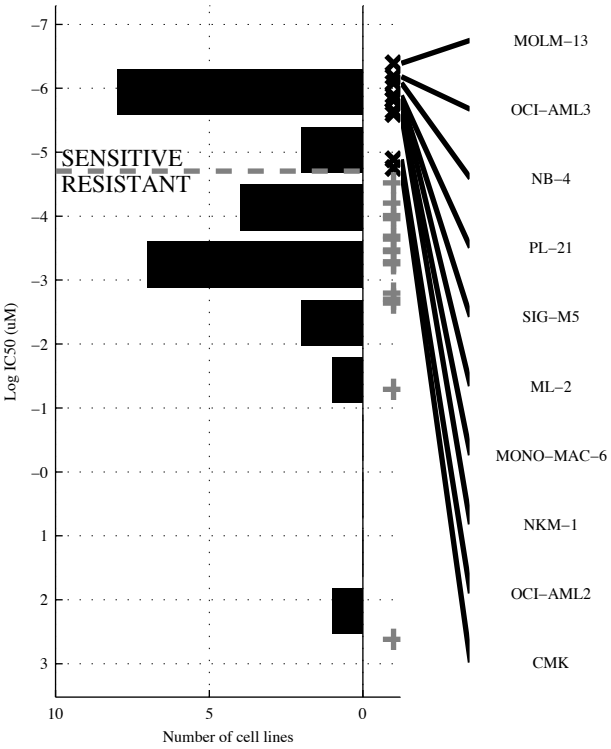
25 cell lines  
 10 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>TET2</b>	<b>SACS &amp; -IL-1-D</b>	<b>-KRAS &amp; -NRAS &amp; JAK-ST</b>	<b>-KRAS &amp; -NRAS &amp; -U2AF1 &amp; TLR-UP</b>	<b>SACS   TET2</b>	<b>[ -NRAS &amp; SACS ]   [ TET2 &amp; JAK-ST ]</b>	<b>SACS   TET2   IL-1-U</b>	<b>PTPN11   SACS   TET2   IL-1-U</b>
TP   FP	1   1	2   0	6   2	8   3	3   2	3   0	4   2	5   2
Specificity	0.93	1	0.87	0.8	0.87	1	0.87	0.87
FN   TN	9   14	8   15	4   13	2   12	7   13	7   15	6   13	5   13
Precision	0.5	1	0.75	0.73	0.6	1	0.67	0.71
Recall	0.1	0.2	0.6	0.8	0.3	0.3	0.4	0.5

LAML  
 id: 346 name: THZ-2-102-1  
 target: CDK7 class: cell cycle

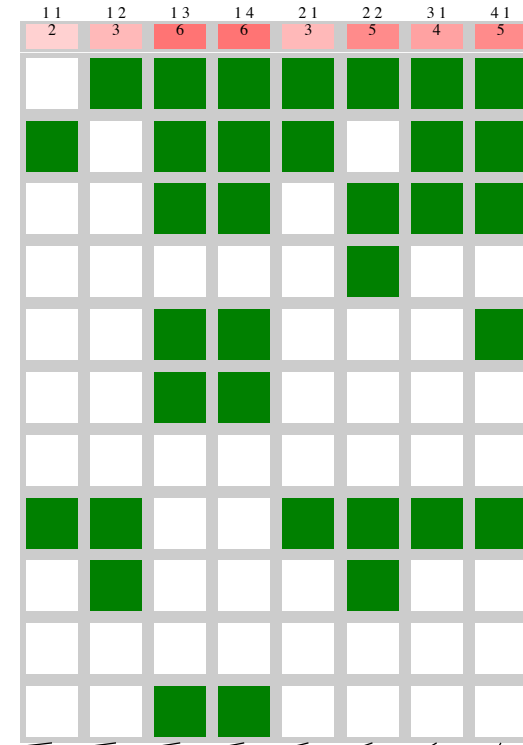
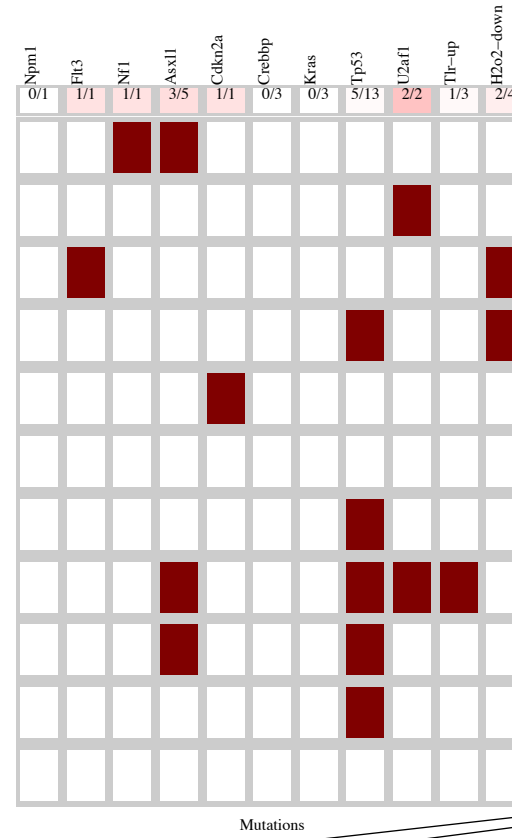
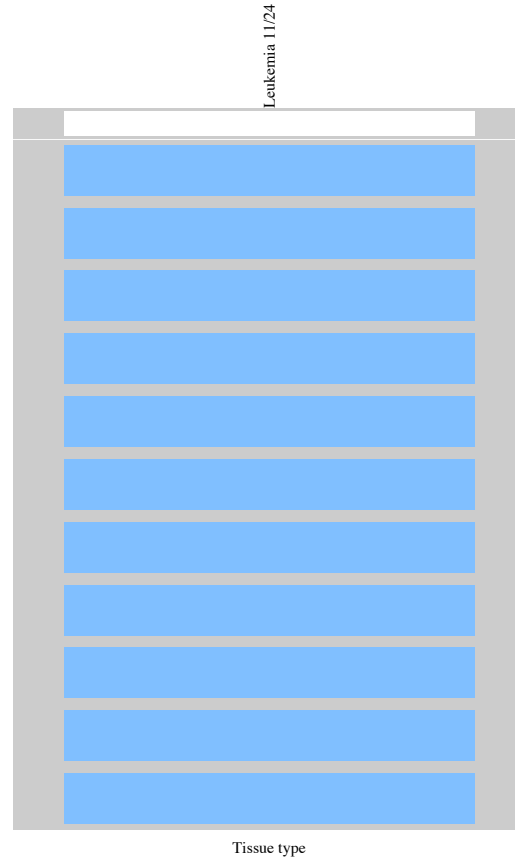
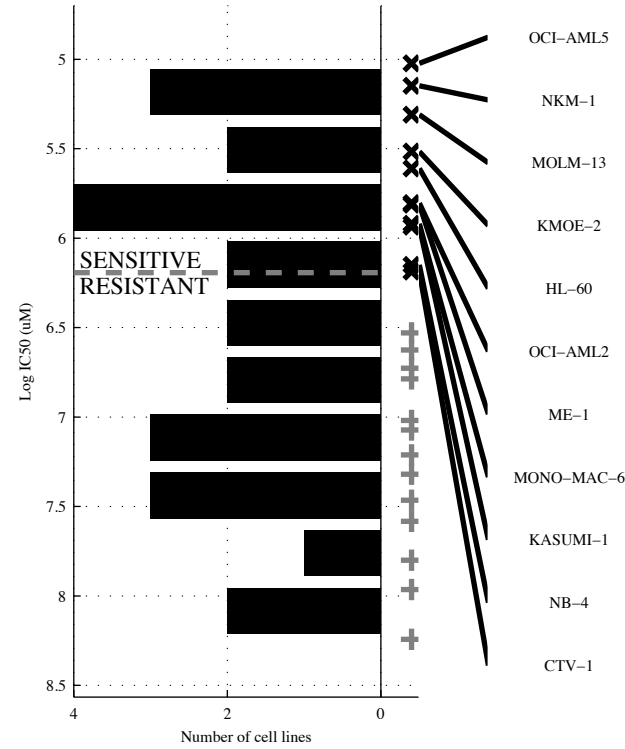
25 cell lines  
 10 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>U2AF1</b>	<b>-NRAS&amp;JAK-ST</b>	<b>-NRAS&amp;-d9p13&amp;JAK-ST</b>	<b>-d6p21.&amp;-EP300&amp;-d9p13.&amp;JAK-ST</b>	<b>KRAS   U2AF1</b>	<b>[ NPM1 &amp;H2O2-D ]   [ -NRAS&amp;JAK-ST ]</b>	<b>FLT3   KRAS   U2AF1</b>	<b>NPM1   FLT3   KRAS   U2AF1</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{2}{8} \mid \frac{0}{15}$ 1 0.2	$\frac{8}{2} \mid \frac{3}{12}$ 0.8 0.73 0.8	$\frac{8}{2} \mid \frac{2}{13}$ 0.87 0.8 0.8	$\frac{9}{1} \mid \frac{3}{12}$ 0.8 0.75 0.9	$\frac{4}{6} \mid \frac{1}{14}$ 0.93 0.8 0.4	$\frac{9}{1} \mid \frac{3}{12}$ 0.8 0.75 0.9	$\frac{5}{5} \mid \frac{1}{14}$ 0.93 0.83 0.5	$\frac{6}{4} \mid \frac{1}{14}$ 0.93 0.86 0.6

LAML  
 id: 1001 name: AICAR  
 target: AAPK1 (AMPK) agonist class: metabolism

24 cell lines  
 11 sensitive

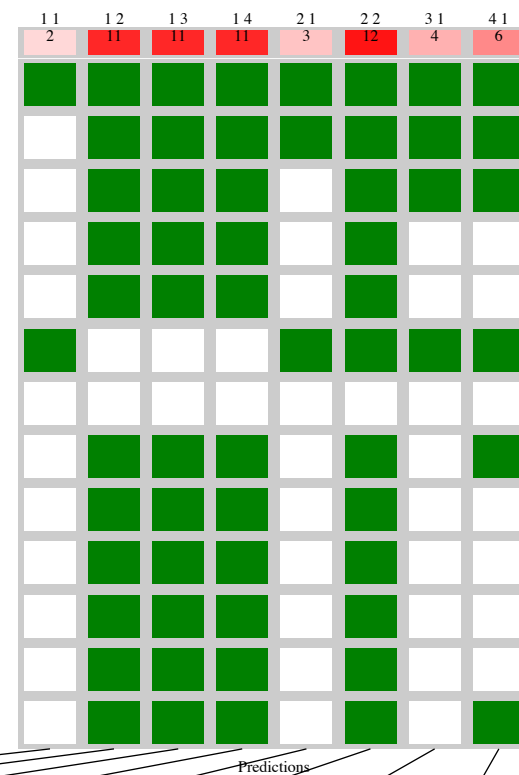
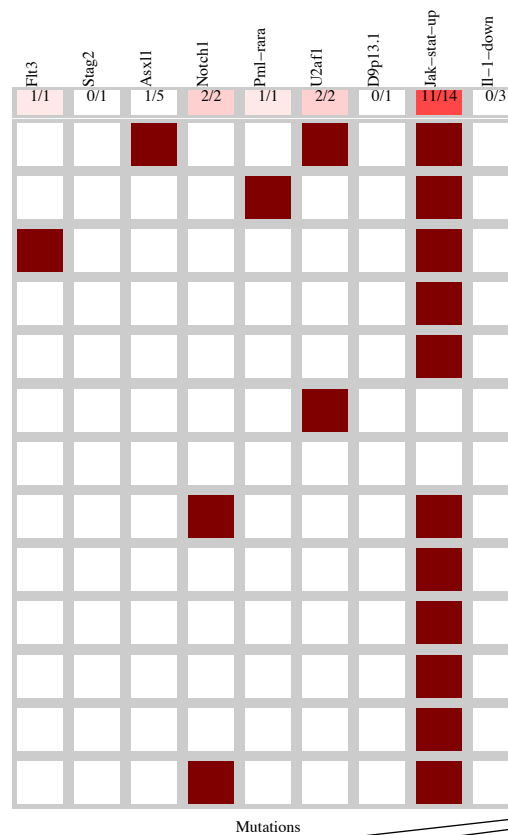
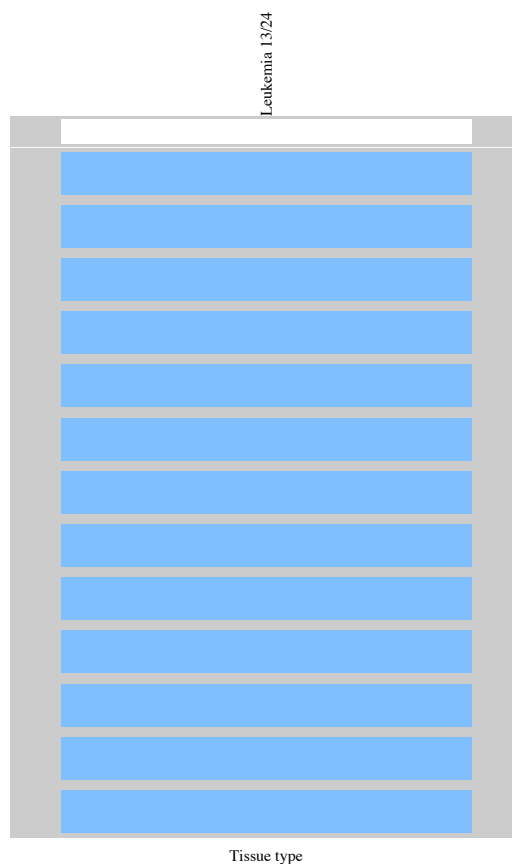
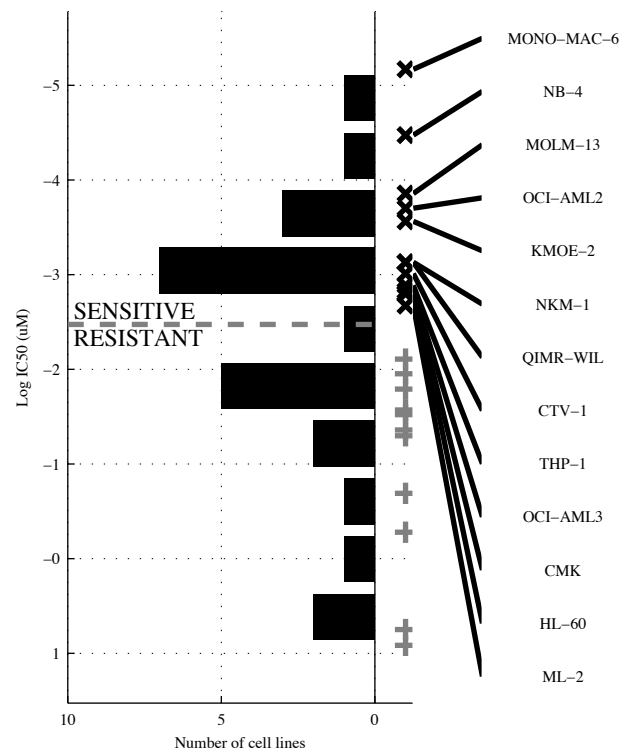


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>U2AF1</b>	<b>ASXL1 &amp; -KRAS</b>	<b>-KRAS &amp; -TP53 &amp; -TLR-UP</b>	<b>-NPM1 &amp; CREBBP &amp; -TP53 &amp; TLR-UP</b>	<b>NF1   U2AF1</b>	<b>[ ASXL1 &amp; -KRAS ]   [ -KRAS &amp; H2O2-D ]</b>	<b>FLT3   NF1   U2AF1</b>	<b>FLT3   NF1   CDKN2A   U2AF1</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{2}{9} \mid \frac{0}{13}$ 1 0.18	$\frac{3}{8} \mid \frac{0}{13}$ 1 0.27	$\frac{6}{5} \mid \frac{2}{11}$ 0.85 0.75 0.55	$\frac{6}{5} \mid \frac{1}{12}$ 0.92 0.86 0.55	$\frac{3}{8} \mid \frac{0}{13}$ 1 0.27	$\frac{5}{6} \mid \frac{1}{12}$ 0.92 0.83 0.45	$\frac{4}{7} \mid \frac{0}{13}$ 1 0.36	$\frac{5}{6} \mid \frac{0}{13}$ 1 0.45



LAML  
 id: 1008 name: Methotrexate  
 target: Dihydrofolate reductase (DHFR) class: DNA replication

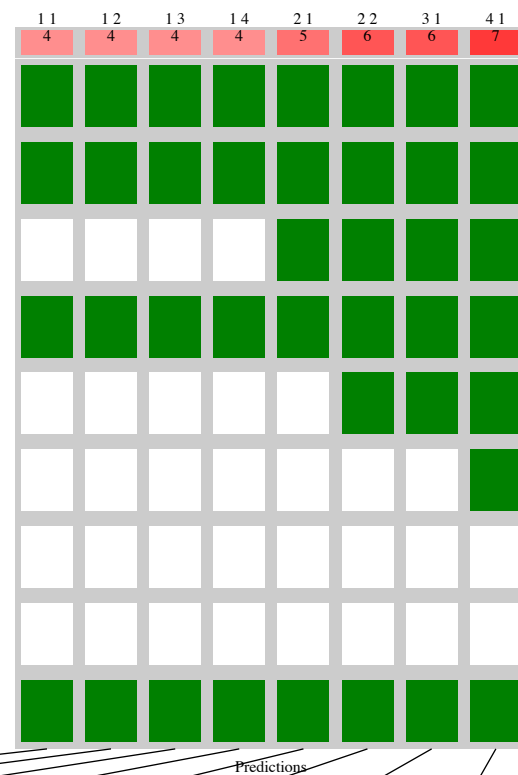
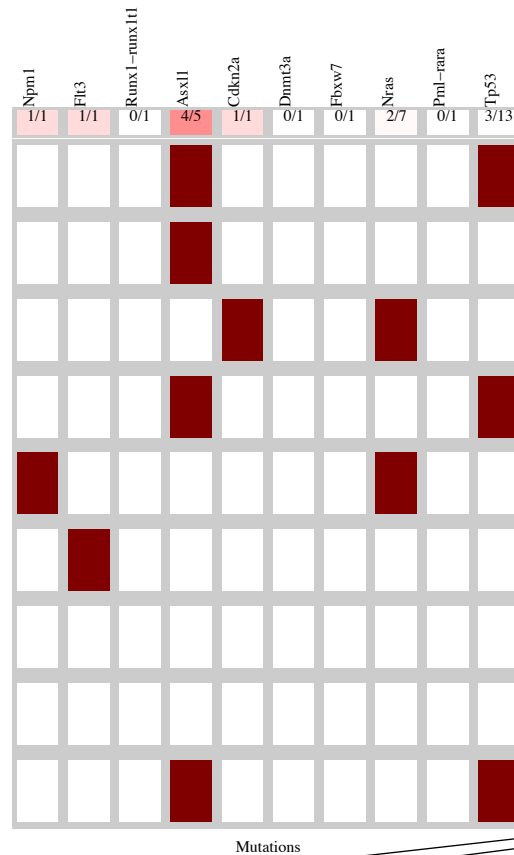
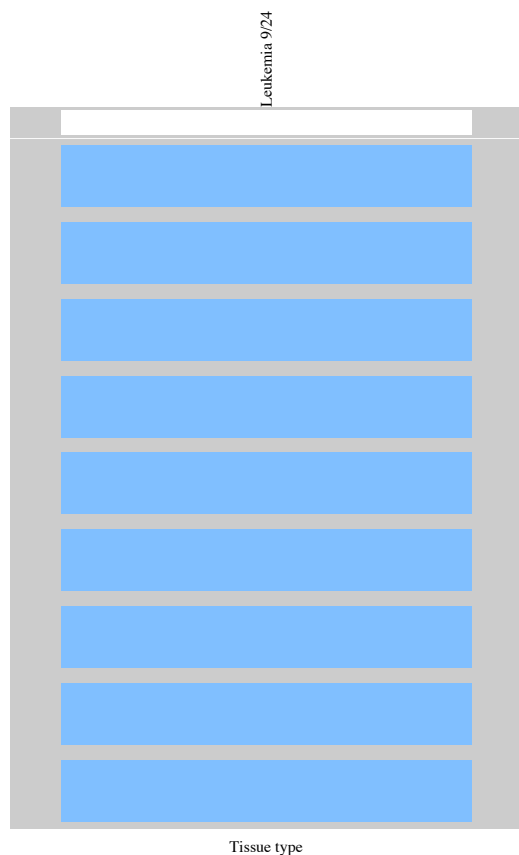
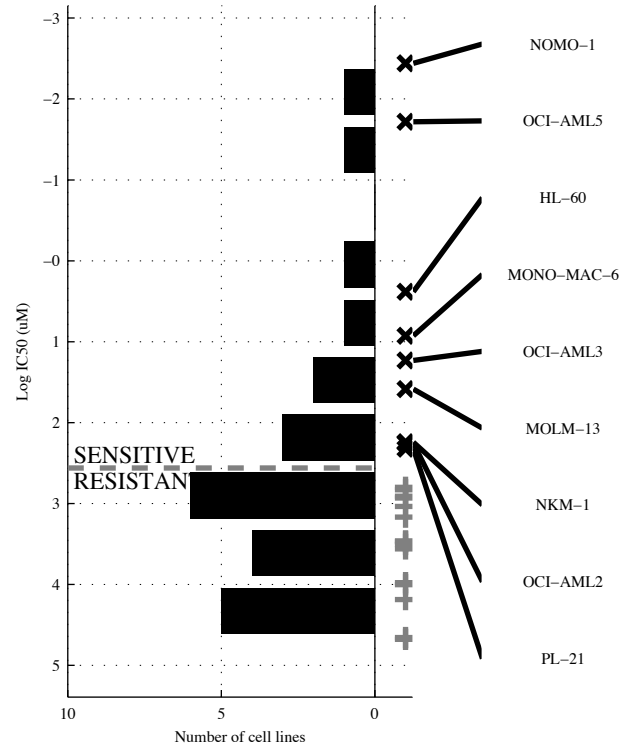
24 cell lines  
 13 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>U2AF1</b>	<b>JAK-ST&amp;IL-1-D</b>	<b>-d9p13.&amp;JAK-ST&amp;IL-1-D</b>	<b>-d9p13.&amp;JAK-ST&amp;IL-1-D</b>	<b>PML-RAI U2AF1</b>	<b>[-STAG&amp;U2AF1 ]</b>   <b>[-ASXL1&amp;JAK-ST]</b>	<b>FLT3 PML-RAI</b>  <b>U2AF1</b>	<b>FLT3 NOTCH1</b>  <b>PML-RAI U2AF1</b>
TP   FP	2   0	11   1	11   0	11   0	3   0	12   1	4   0	6   0
FN   TN	11   11	2   10	2   11	2   11	10   11	1   10	9   11	7   11
Specificity		0.91				0.91		
Precision		0.92				0.92		
Recall	0.15	0.85	0.85	0.85	0.23	0.92	0.31	0.46

LAML  
 id: 1009 name: ATRA  
 target: Retinoic acid and retinoid X receptor agonist class: other

24 cell lines  
 9 sensitive

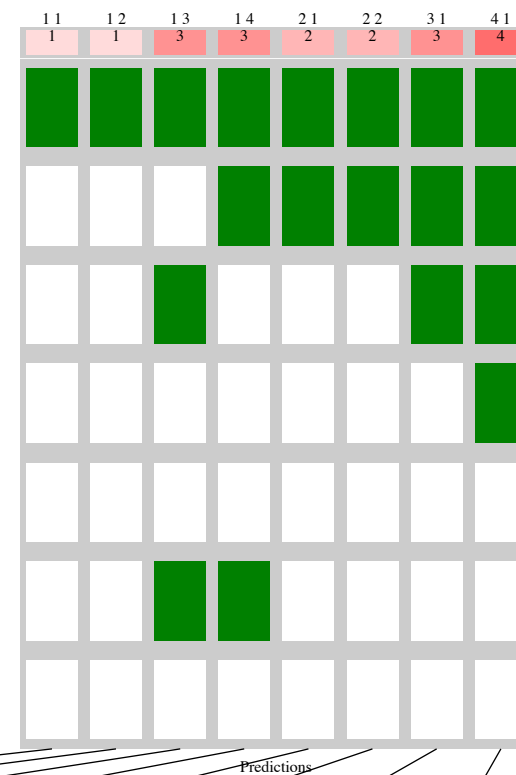
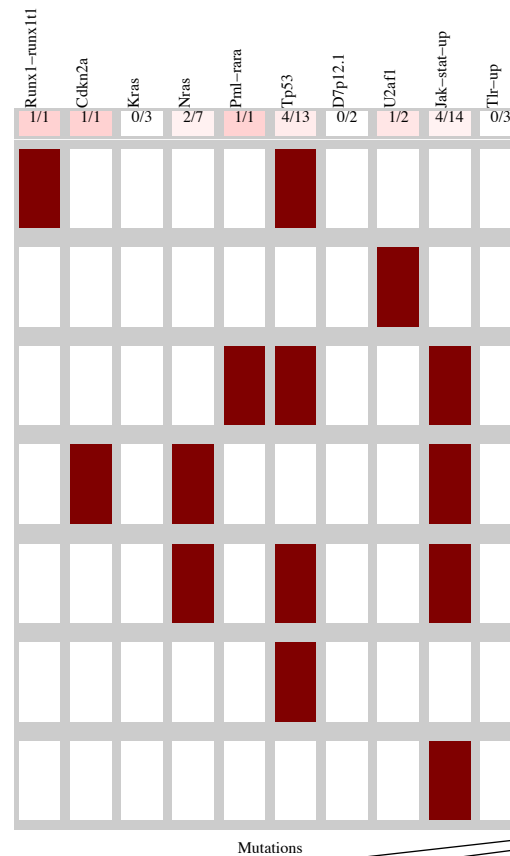
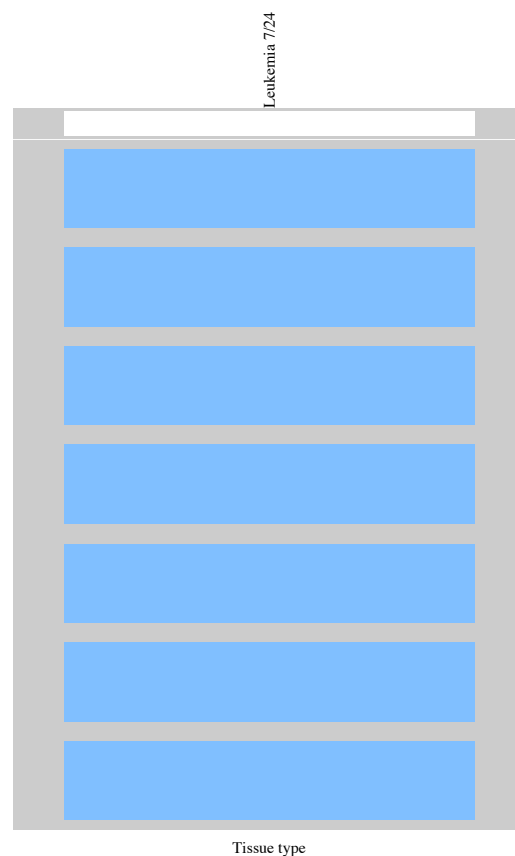
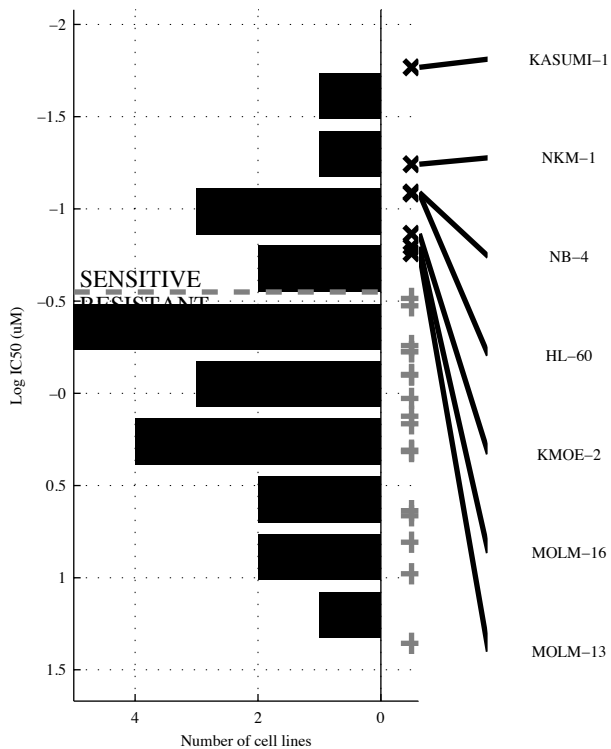


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>ASXL1</b>	<b>-RUNX1&amp;ASXL1</b>	<b>-RUNX1&amp;ASXL1&amp; -PML-RA</b>	<b>-RUNX1&amp;ASXL1&amp; -DNMT3&amp;FBXW7</b>	<b>ASXL1   CDKN2A</b>	<b>[ NRAS &amp; -TP53 ]   [ -RUNX1&amp;ASXL1 ]</b>	<b>NPM1   ASXL1   CDKN2A</b>	<b>NPM1   FLT3   ASXL1   CDKN2A</b>
TP   FP	4   1	4   0	4   0	4   0	5   1	6   0	6   1	7   1
Specificity	0.93	1	1	1	0.93	1	0.93	0.93
FN   TN	5   14	5   15	5   15	5   15	4   14	3   15	3   14	2   14
Precision	0.8	1	1	1	0.83	1	0.86	0.88
Recall	0.44	0.44	0.44	0.44	0.56	0.67	0.67	0.78



LAML  
 id: 1012 name: Vorinostat  
 target: HDAC inhibitor Class I, IIa, IIb, IV class: chromain histone acetylation

24 cell lines  
 7 sensitive

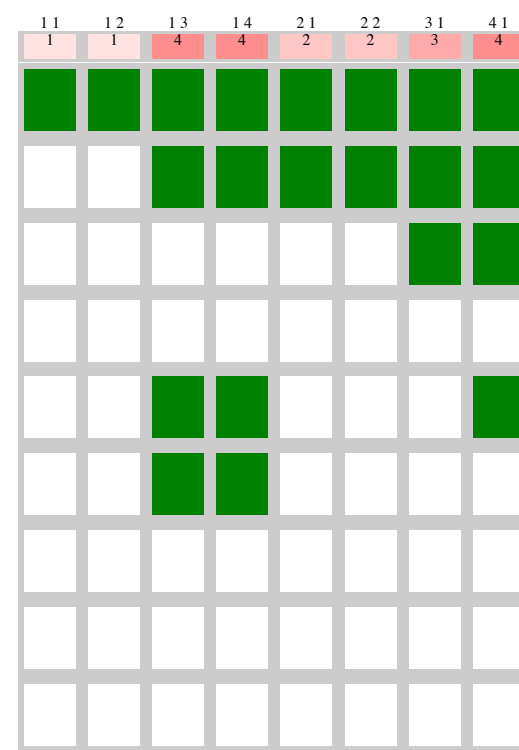
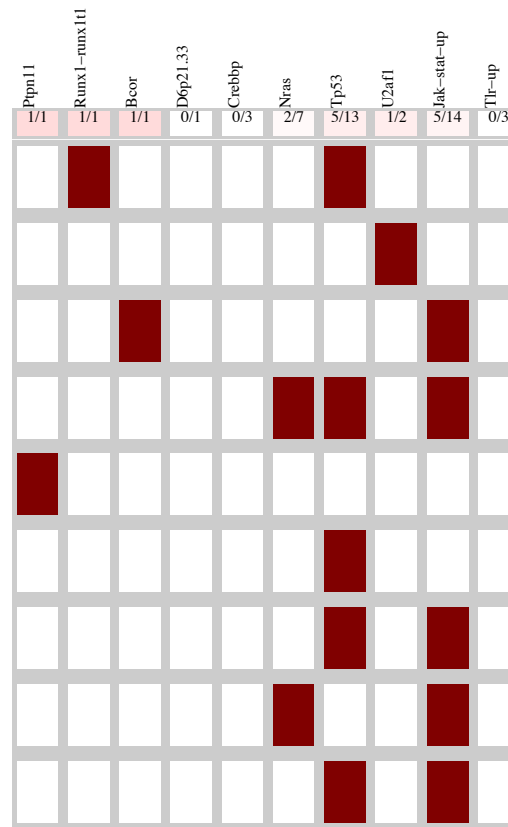
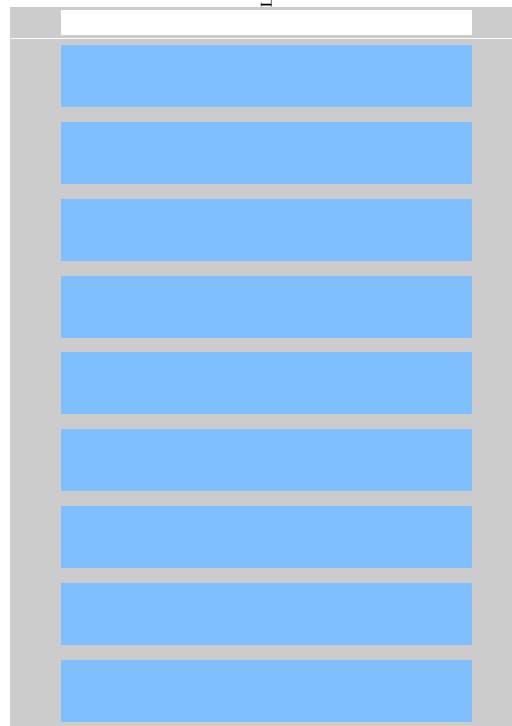
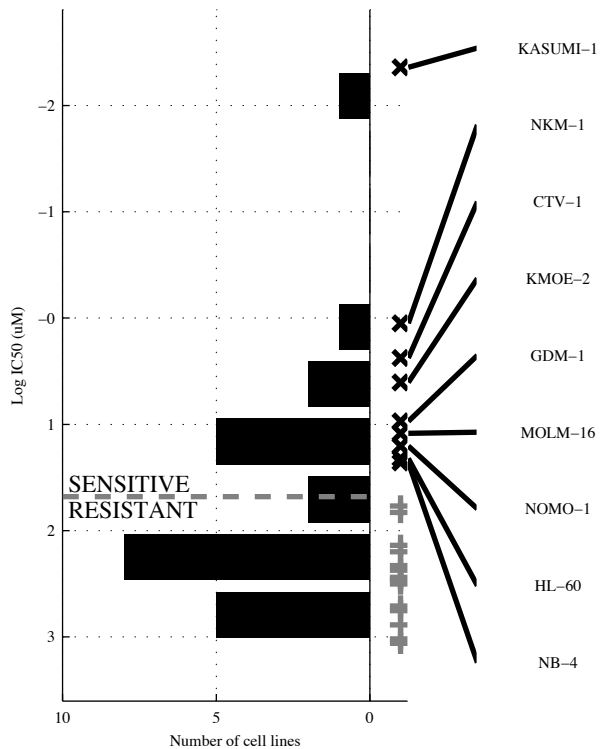


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>RUNX1-</b>	<b>RUNX1-&amp;</b>	<b>-KRAS&amp;-NRAS&amp; TP53</b>	<b>-NRAS&amp;-d7p12.&amp; -JAK-S&amp;TLR-UP</b>	<b>RUNX1-  U2AF1</b>	<b>[RUNX1-&amp;-d7p12.]   [ U2AF1 &amp;TLR-UP]</b>	<b>RUNX1-PML-RA  U2AF1</b>	<b>RUNX1-CDKN2A  PML-RA  U2AF1</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{6} \mid \frac{0}{17}$ 1 0.14	$\frac{1}{6} \mid \frac{0}{17}$ 1 0.14	$\frac{3}{4} \mid \frac{3}{14}$ 0.82 0.5 0.43	$\frac{3}{4} \mid \frac{2}{15}$ 0.88 0.6 0.43	$\frac{2}{5} \mid \frac{1}{16}$ 0.94 0.67 0.29	$\frac{2}{5} \mid \frac{0}{17}$ 1 1 0.29	$\frac{3}{4} \mid \frac{1}{16}$ 0.94 0.75 0.43	$\frac{4}{3} \mid \frac{1}{16}$ 0.94 0.8 0.57

LAML  
 id: 1013 name: Nilotinib  
 target: ABL class: ABL signaling

24 cell lines  
 9 sensitive

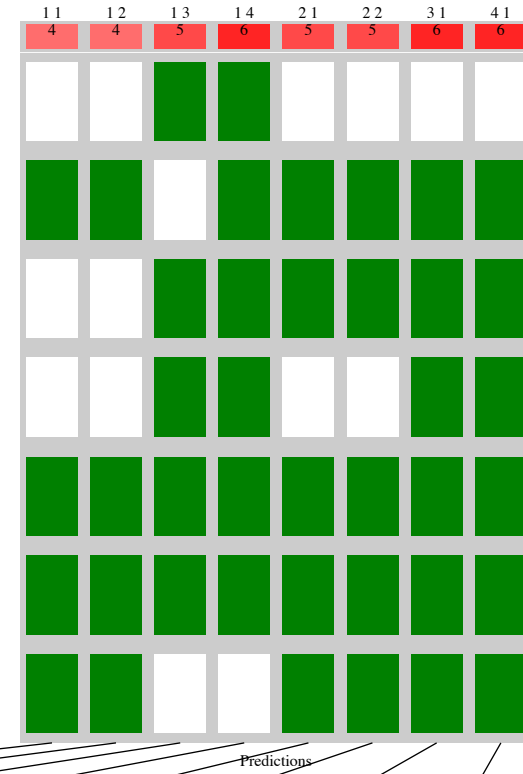
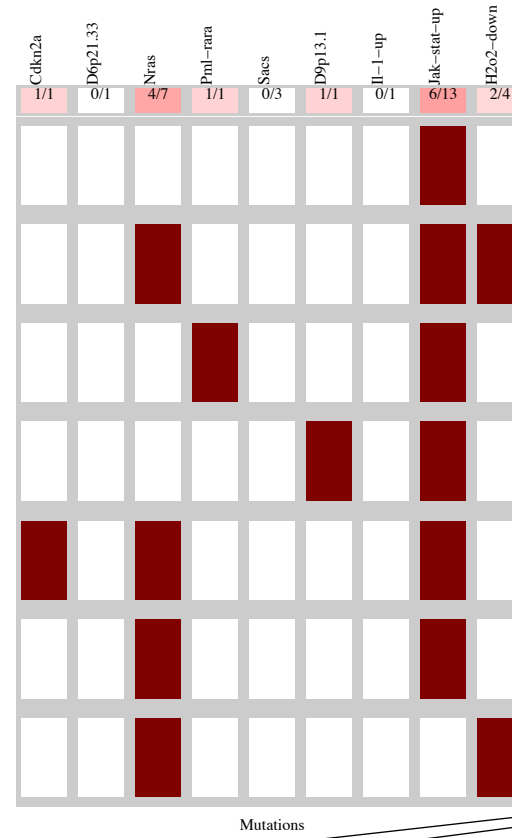
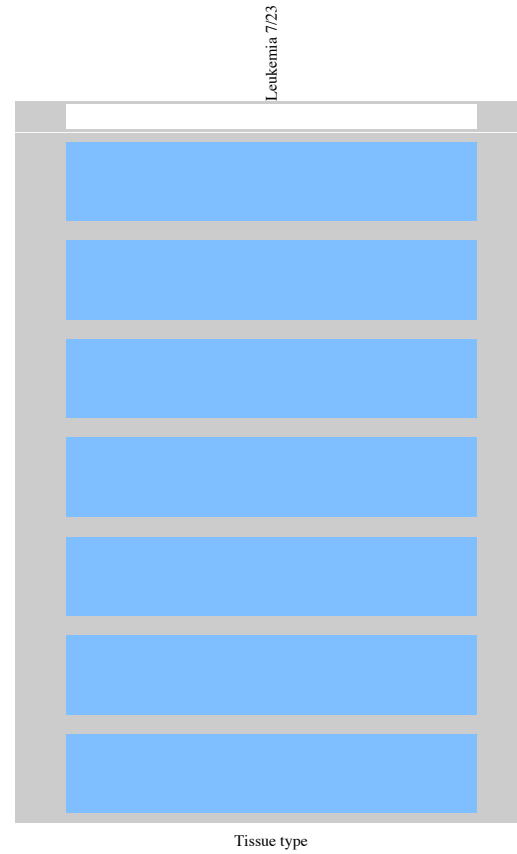
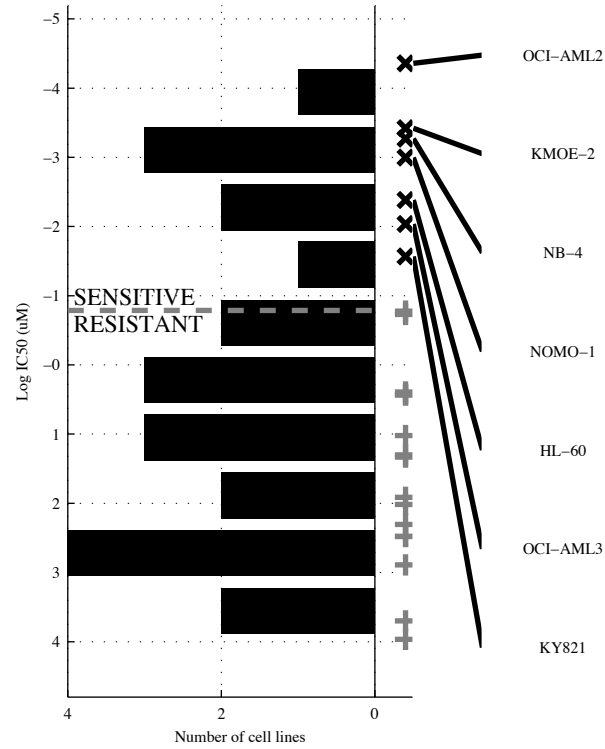
Leukemia 9/24



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>RUNX1-</b>	<b>RUNX1-&amp;</b>	<b>-NRAS&amp;JAK-S&amp;</b> <b>-TLR-UP</b>	<b>-CREBB-&amp;-NRAS&amp;</b> <b>-JAK-S&amp;TLR-UP</b>	<b>RUNX1-   U2AF1</b>	<b>[ -TP53 &amp; U2AF1 ]</b> <b> </b> <b>[RUNX1-&amp;-d6p21.]</b>	<b>RUNX1-   BCOR  </b> <b>U2AF1</b>	<b>PTPN11   RUNX1-  </b> <b>BCOR   U2AF1</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{8} \mid \frac{0}{15}$ 1 0.11	$\frac{1}{8} \mid \frac{0}{15}$ 1 0.11	$\frac{4}{5} \mid \frac{2}{13}$ 0.87 0.67 0.44	$\frac{4}{5} \mid \frac{1}{14}$ 0.93 0.8 0.44	$\frac{2}{7} \mid \frac{1}{14}$ 0.93 0.67 0.22	$\frac{2}{7} \mid \frac{0}{15}$ 1 1 0.22	$\frac{3}{6} \mid \frac{1}{14}$ 0.93 0.75 0.33	$\frac{4}{5} \mid \frac{1}{14}$ 0.93 0.8 0.44

LAML  
 id: 1014 name: RDEA119  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

23 cell lines  
 7 sensitive

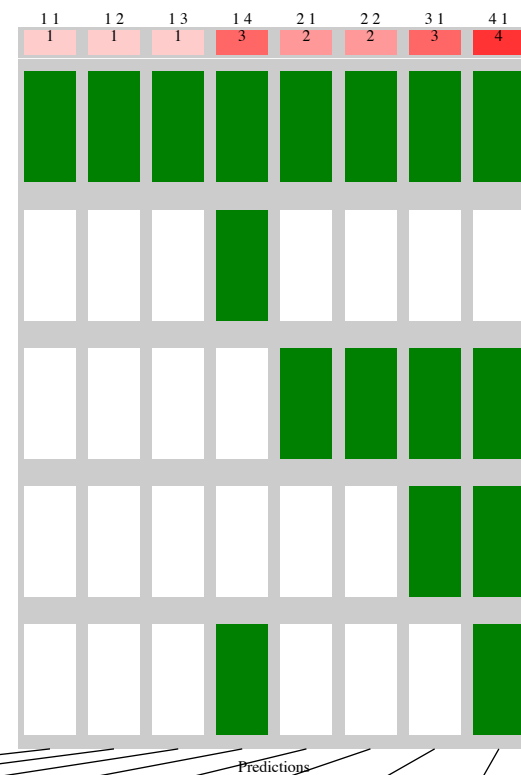
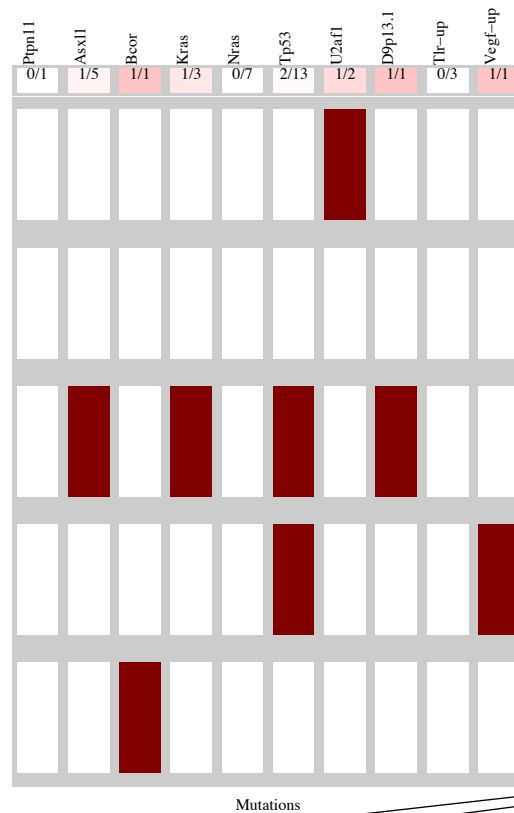
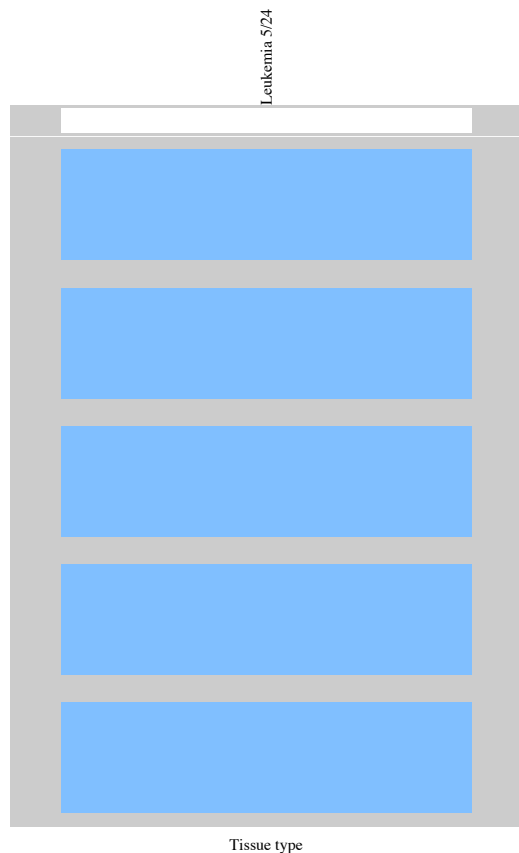
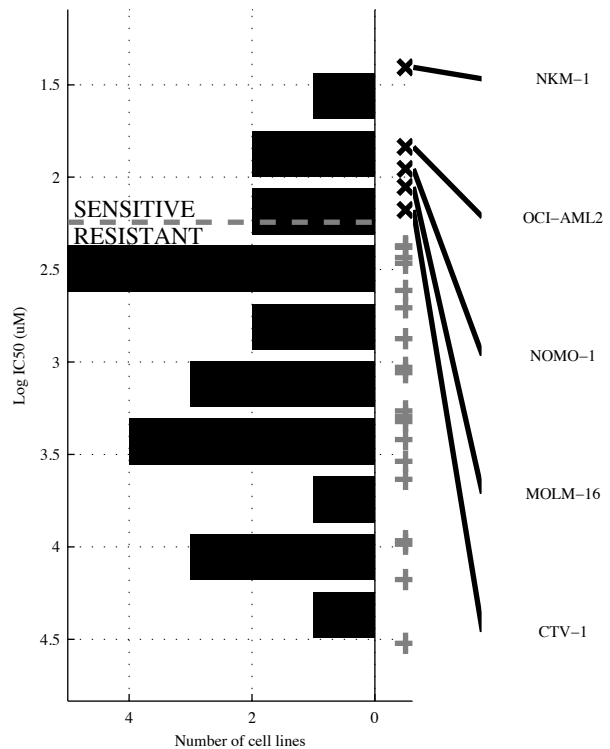


Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>NRAS</b>		<b>¬d6p21.&amp; NRAS</b>		<b>¬SACS&amp;JAK-ST&amp;¬H2O2-D</b>		<b>¬d6p21.&amp;¬SACS&amp;¬IL-1-U&amp;JAK-ST</b>		<b>NRAS PML-RA</b>		<b>[PML-RA&amp;IL-1-U]   [¬d6p21.&amp; NRAS]</b>		<b>NRAS PML-RA   d9p13.</b>		<b>CDKN2A  NRAS   PML-RA   d9p13.</b>	
TP   FP Specificity	4   3	0.81	4   2	0.88	5   3	0.81	6   3	0.81	5   3	0.81	5   2	0.88	6   3	0.81	6   3	0.81
FN   TN Precision	3   13	0.57	3   14	0.67	2   13	0.63	1   13	0.67	2   13	0.63	2   14	0.71	1   13	0.67	1   13	0.67
Recall		0.57		0.57		0.71		0.86		0.71		0.71		0.86		0.86



LAML  
 id: 1017 name: Olaparib  
 target: PARP1, PARP2 class: Genome integrity

24 cell lines  
 5 sensitive

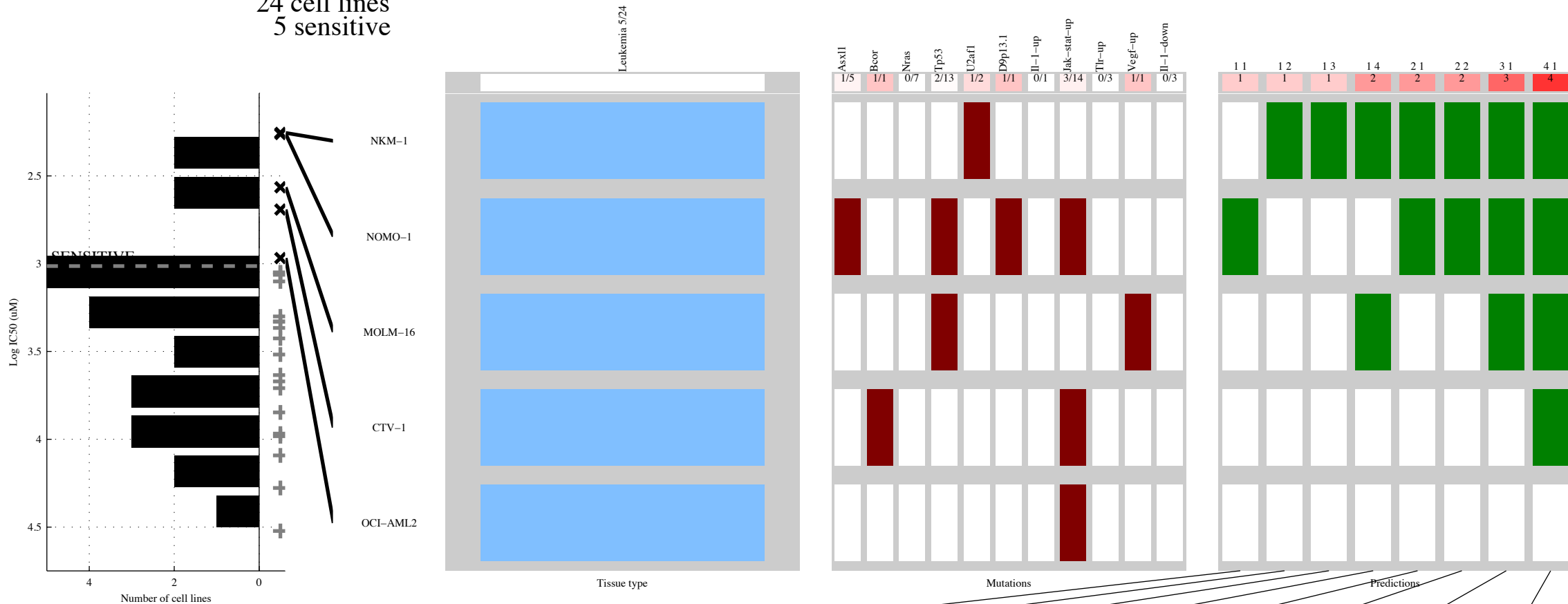


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>U2AF1</b>	<b>U2AF1 &amp; TLR-UP</b>	<b>U2AF1 &amp; TLR-UP</b>	<b>-PTPN1 &amp; -NRAS &amp; -TP53 &amp; TLR-UP</b>	<b>U2AF1   d9p13.</b>	<b>[ KRAS &amp; d9p13. ]   [-ASXL1 &amp; U2AF1 ]</b>	<b>U2AF1   d9p13.   VEGF-U</b>	<b>BCOR   U2AF1   d9p13.   VEGF-U</b>
TP   FP Specificity	1   1 0.95	1   0 1	1   0 1	3   3 0.84	2   1 0.95	2   0 1	3   1 0.95	4   1 0.95
FN   TN Precision	4   18 0.5	4   19 1	4   19 1	2   16 0.5	3   18 0.67	3   19 1	2   18 0.75	1   18 0.8
Recall	0.2	0.2	0.2	0.6	0.4	0.4	0.6	0.8



LAML  
 id: 1018 name: ABT-888  
 target: PARP1, PARP2 class: Genome integrity

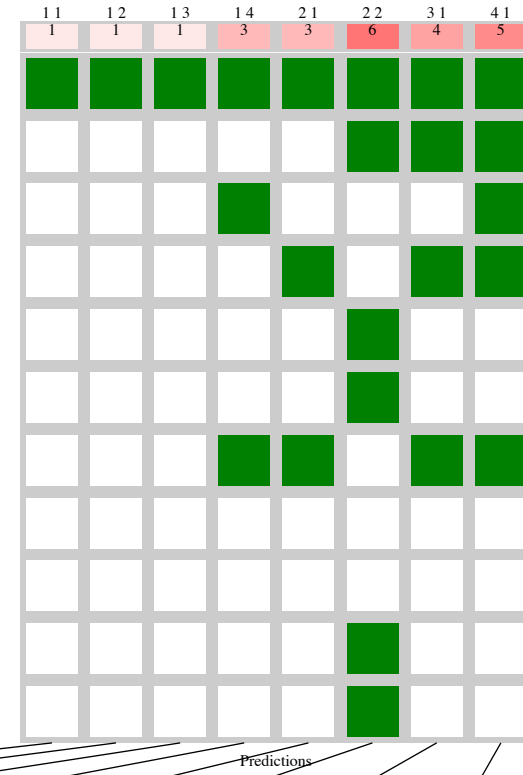
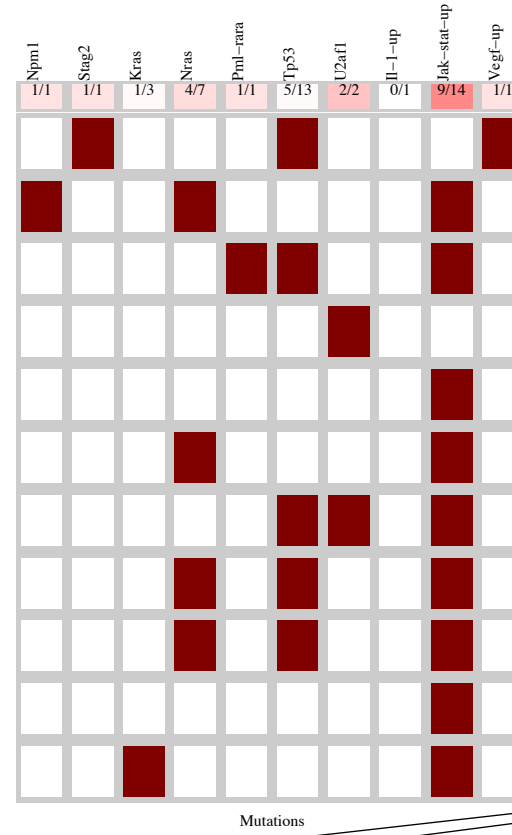
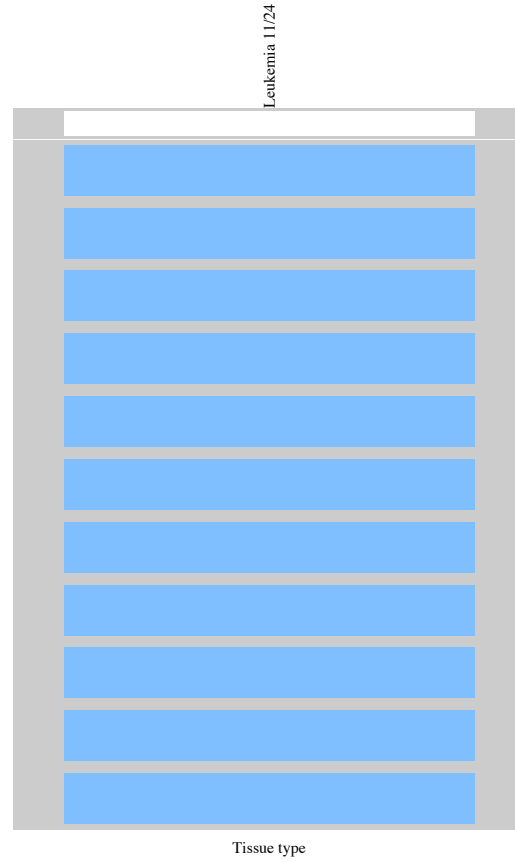
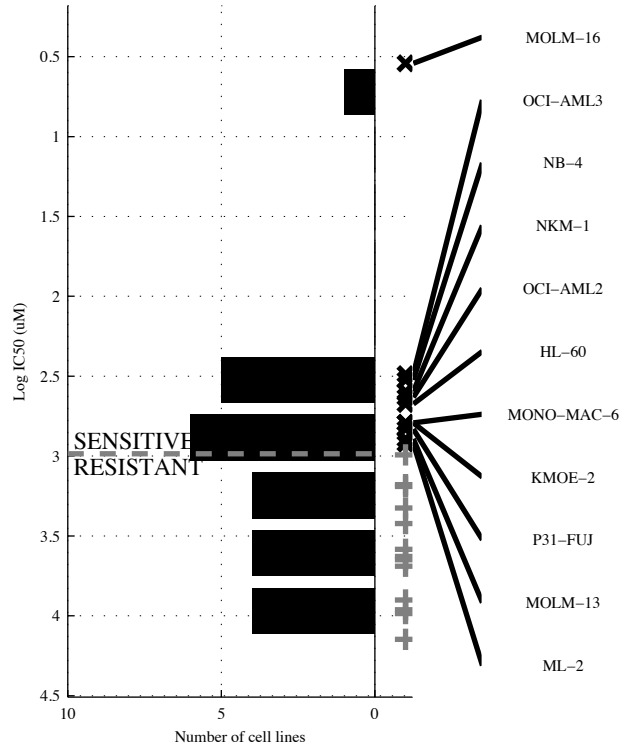
24 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d9p13.</b>	<b>-TP53 &amp; U2AF1</b>	<b>-TP53 &amp; U2AF1 &amp; -IL-1-D</b>	<b>-ASXL1 &amp; -NRAS &amp; -JAK-STAT &amp; TLR-UP</b>	<b>U2AF1   d9p13.</b>	<b>[ d9p13. &amp; -IL-1-U ]   [ -ASXL1 &amp; U2AF1 ]</b>	<b>U2AF1   d9p13.   VEGF-U</b>	<b>BCOR   U2AF1   d9p13.   VEGF-U</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{4} \mid \frac{0}{19}$ 1 0.2	$\frac{1}{4} \mid \frac{0}{19}$ 1 0.2	$\frac{1}{4} \mid \frac{0}{19}$ 1 0.2	$\frac{2}{3} \mid \frac{2}{17}$ 0.89 0.5 0.4	$\frac{2}{3} \mid \frac{1}{18}$ 0.95 0.67 0.4	$\frac{2}{3} \mid \frac{0}{19}$ 1 1 0.4	$\frac{3}{2} \mid \frac{1}{18}$ 0.95 0.75 0.6	$\frac{4}{1} \mid \frac{1}{18}$ 0.95 0.8

LAML  
 id: 1020 name: Lenalidomide  
 target: TNFA class: other

24 cell lines  
 11 sensitive

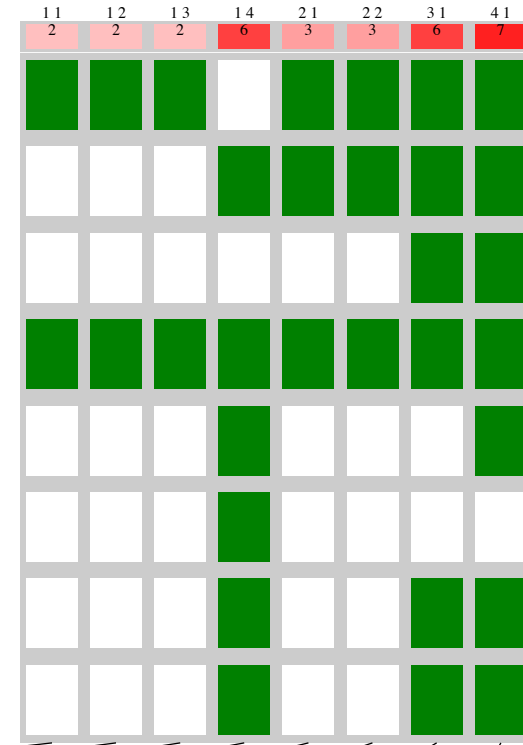
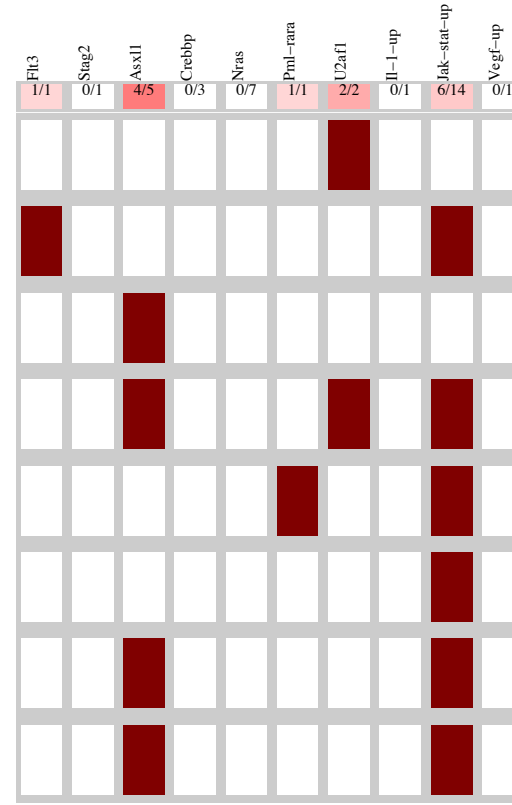
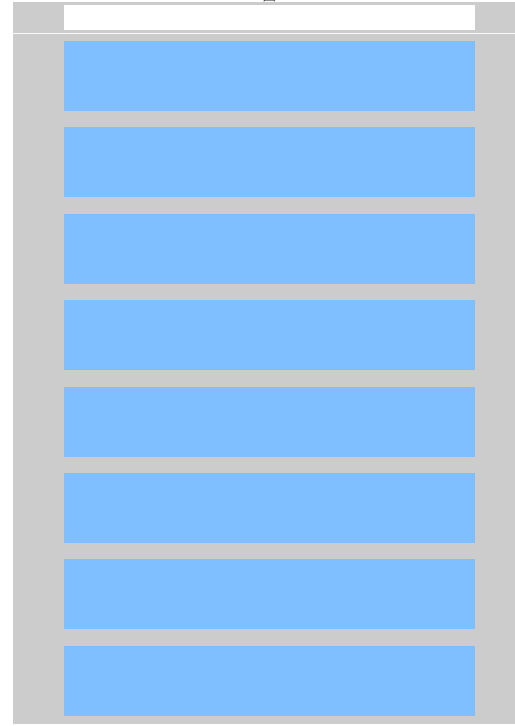
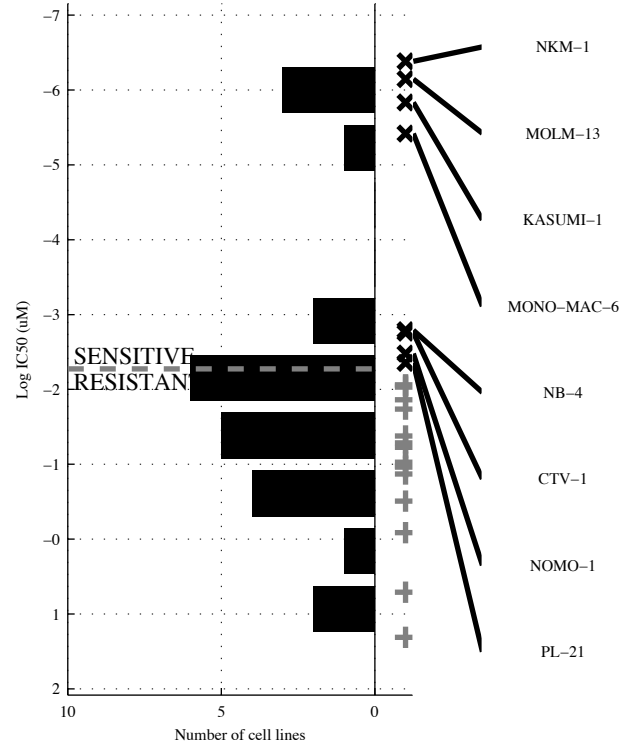


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>STAG2</b>	<b>VEGF-U&amp;</b>	<b>VEGF-U&amp; &amp;</b>	<b>-KRAS&amp;-NRAS&amp; TP53 &amp;IL-1-U</b>	<b>U2AF1  VEGF-U</b>	<b>[ -TP53 &amp;JAK-ST ]   [ STAG2&amp;-KRAS ]</b>	<b>NPM1   U2AF1   VEGF-U</b>	<b>NPM1 PML-RAI U2AF1  VEGF-U</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{10} \mid \frac{0}{13}$ 1 0.091	$\frac{1}{10} \mid \frac{0}{13}$ 1 0.091	$\frac{1}{10} \mid \frac{0}{13}$ 1 0.091	$\frac{3}{8} \mid \frac{2}{11}$ 0.85 0.6 0.27	$\frac{3}{8} \mid \frac{0}{13}$ 1 0.27	$\frac{6}{5} \mid \frac{1}{12}$ 0.92 0.86 0.55	$\frac{4}{7} \mid \frac{0}{13}$ 1 0.36	$\frac{5}{6} \mid \frac{0}{13}$ 1 0.45

LAML  
 id: 1022 name: AZD7762  
 target: CHEK1, CHEK2 class: Genome integrity

24 cell lines  
 8 sensitive

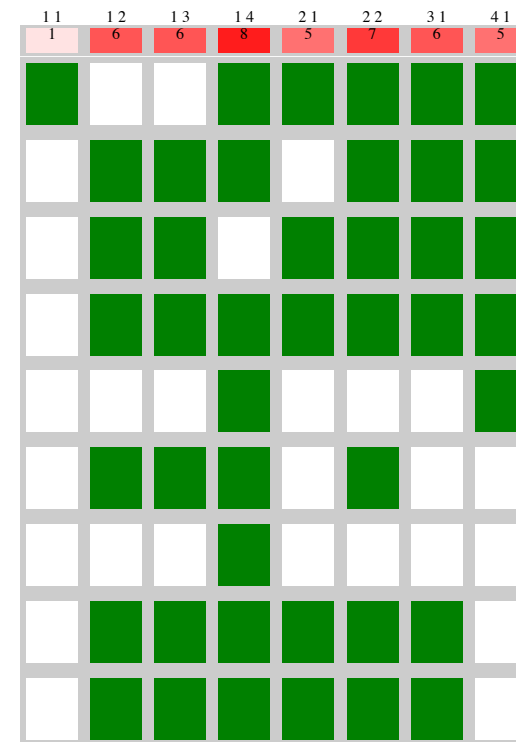
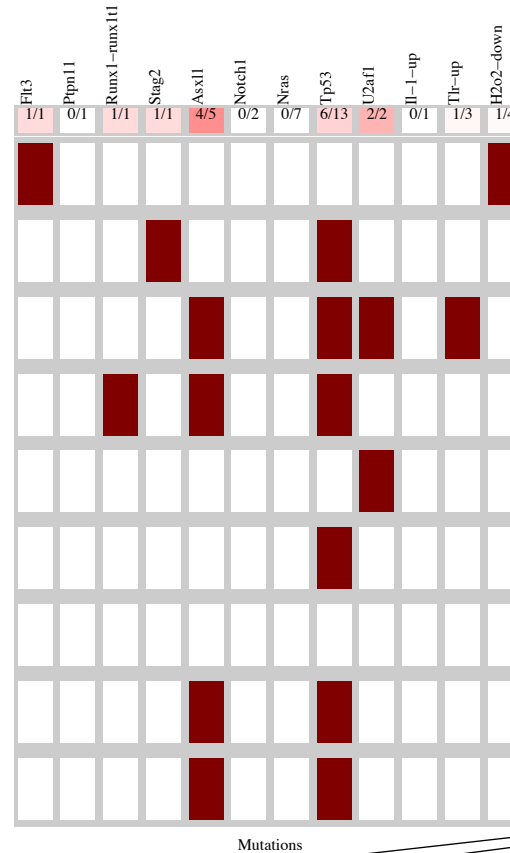
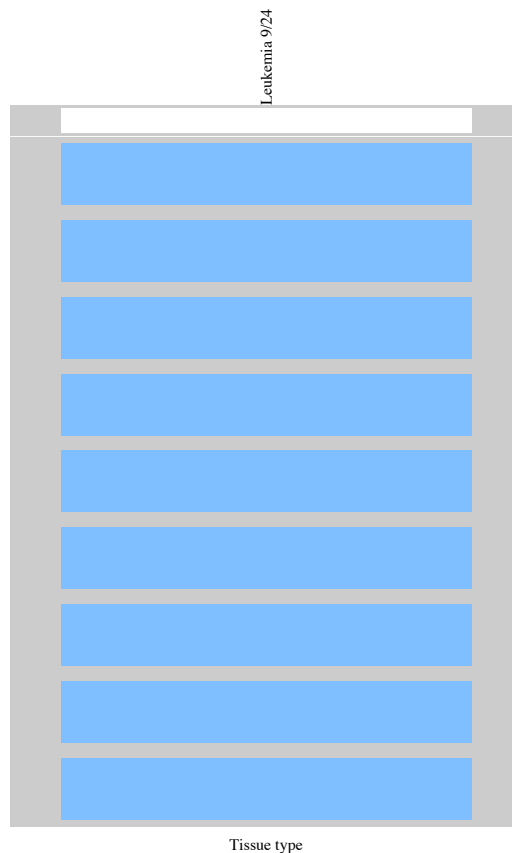
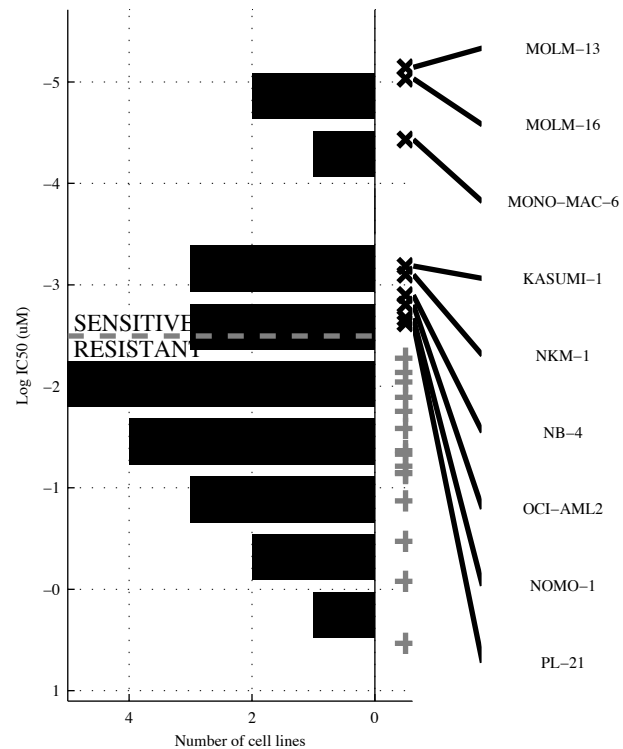
Leukemia 8/24



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>U2AF1</b>	<b>U2AF1 &amp;</b>	<b>U2AF1 &amp; IL-1-U &amp;</b> <b>-VEGF-U</b>	<b>-CREBBP &amp; NRAS &amp;</b> <b>-IL-1-U &amp; JAK-ST</b>	<b>FLT3   U2AF1</b>	<b>[ -STAG &amp; U2AF1 ]</b> <b> </b> <b>[ FLT3 &amp; ]</b>	<b>FLT3   ASXL1  </b> <b>U2AF1</b>	<b>FLT3   ASXL1  </b> <b>PML-RA   U2AF1</b>
TP   FP	2   0	2   0	2   0	6   1	3   0	3   0	6   1	7   1
Specificity	1	1	1	0.94	1	1	0.94	0.94
FN   TN	6   16	6   16	6   16	2   15	5   16	5   16	2   15	1   15
Precision	1	1	1	0.86	1	1	0.86	0.88
Recall	0.25	0.25	0.25	0.75	0.38	0.38	0.75	0.88

LAML  
 id: 1024 name: CEP-701  
 target: FLT3, JAK2, NTRK1, RET class: RTK signaling

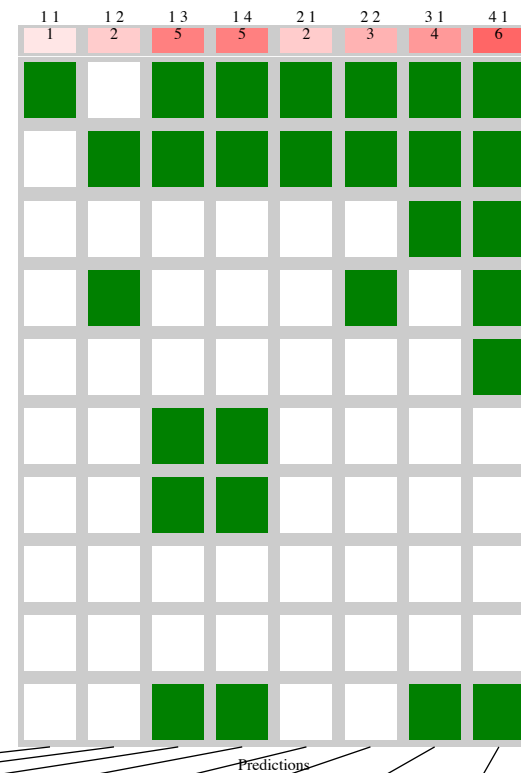
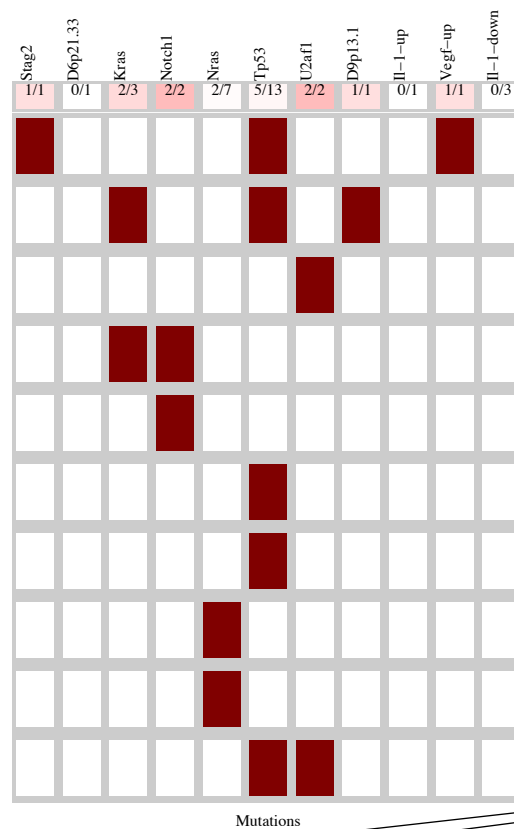
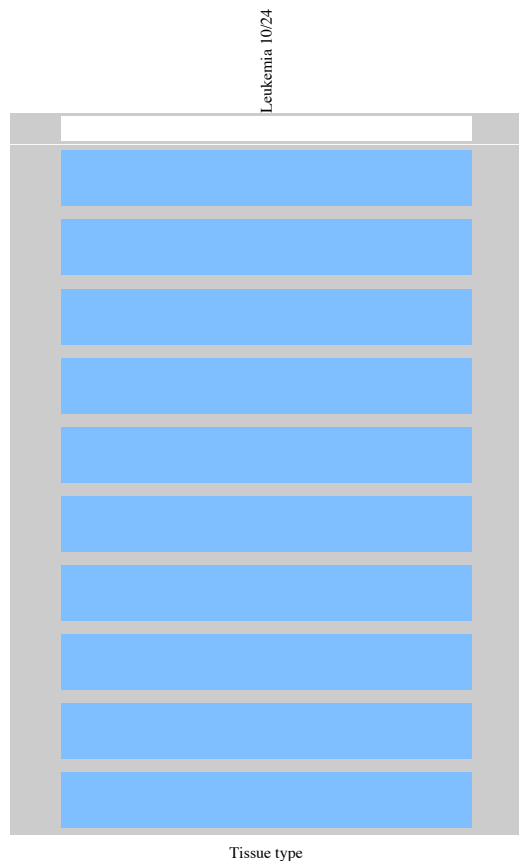
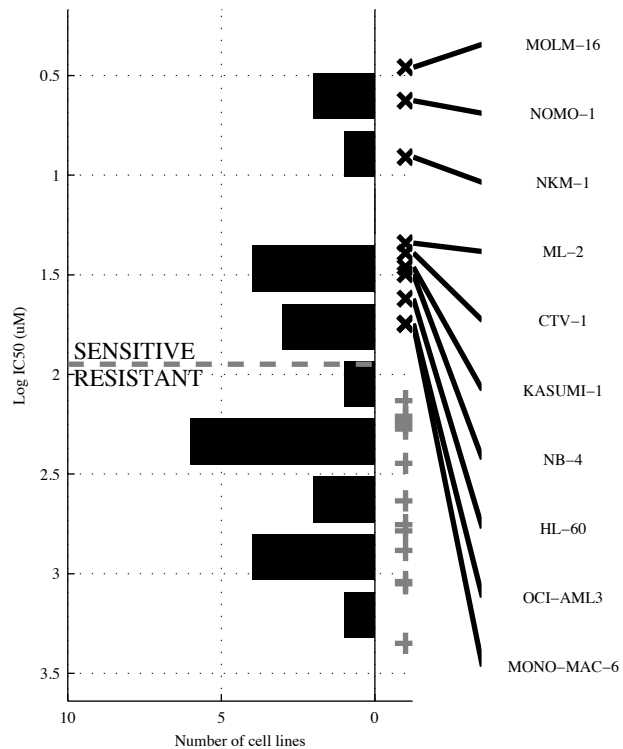
24 cell lines  
 9 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	M															
Logic formula	<b>FLT3</b>		<b>-NRAS &amp; TP53</b>		<b>-NRAS &amp; TP53 &amp; -IL-1-U</b>		<b>-PTPN11 &amp; NOTCH1 &amp; -NRAS &amp; TLR-UP</b>		<b>FLT3   ASXL1</b>		<b>[ FLT3 &amp; H2O2-D ]   [ -NRAS &amp; TP53 ]</b>		<b>FLT3   STAG2   ASXL1</b>		<b>FLT3   RUNX1-1   STAG2   U2AF1</b>	
Specificity	1		0.87		0.93		0.8		0.93		0.87		0.93		1	
Precision	1		0.75		0.86		0.73		0.83		0.78		0.86		1	
Recall	0.11		0.67		0.67		0.89		0.56		0.78		0.67		0.56	

LAML  
 id: 1028 name: VX-702  
 target: p38 class: JNK and p38 signaling

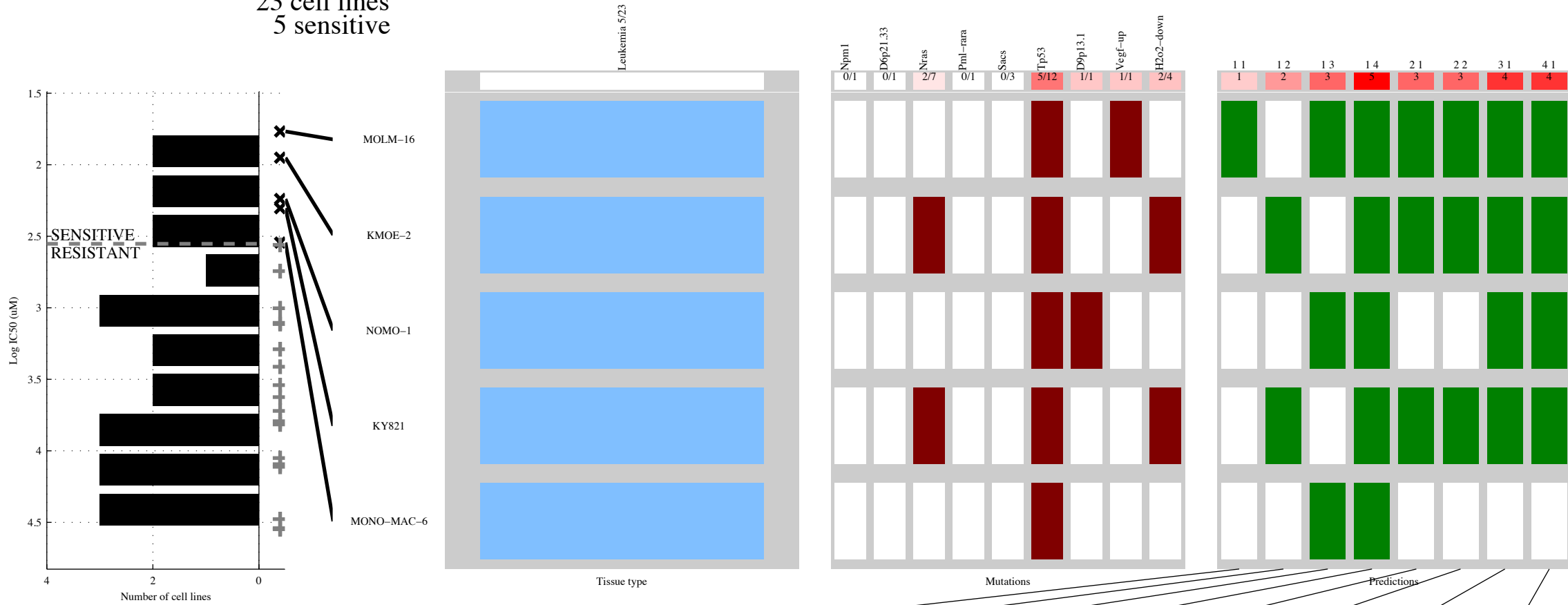
24 cell lines  
 10 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
M																
Logic formula	<b>STAG2</b>		<b>KRAS &amp; -IL-1-D</b>		<b>-NRAS &amp; TP53 &amp; -IL-1-D</b>		<b>-NRAS &amp; TP53 &amp; -IL-1-U &amp; -IL-1-D</b>		<b>d9p13.   VEGF-U</b>		<b>[ KRAS &amp; -IL-1-D ]   [ -d6p21. &amp; VEGF-U ]</b>		<b>U2AF1   d9p13.   VEGF-U</b>		<b>NOTCH1   U2AF1   d9p13.   VEGF-U</b>	
TP   FP	1   0	1	2   0	1	5   2	0.86	5   1	0.93	2   0	1	3   0	1	4   0	1	6   0	1
FN   TN	9   14	1	8   14	1	5   12	0.71	5   13	0.83	8   14	1	7   14	1	6   14	1	4   14	1
Specificity																
Precision																
Recall		0.1		0.2		0.5		0.5		0.2		0.3		0.4		0.6

LAML  
 id: 1030 name: KU-55933  
 target: ATM class: Genome integrity

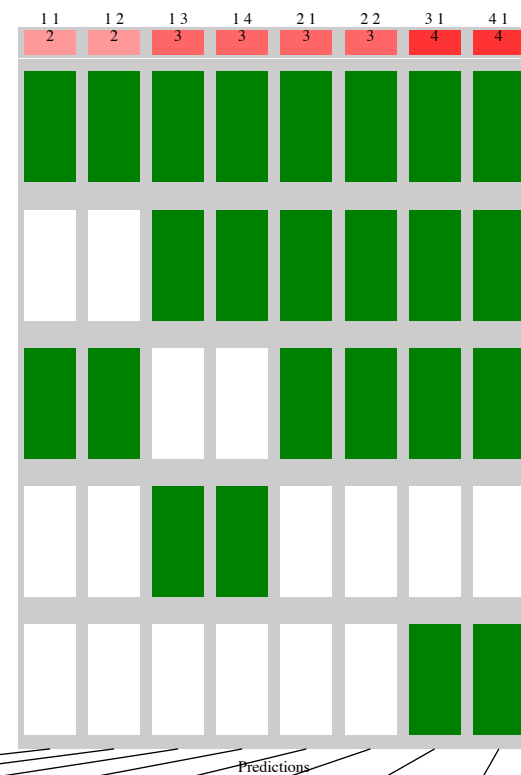
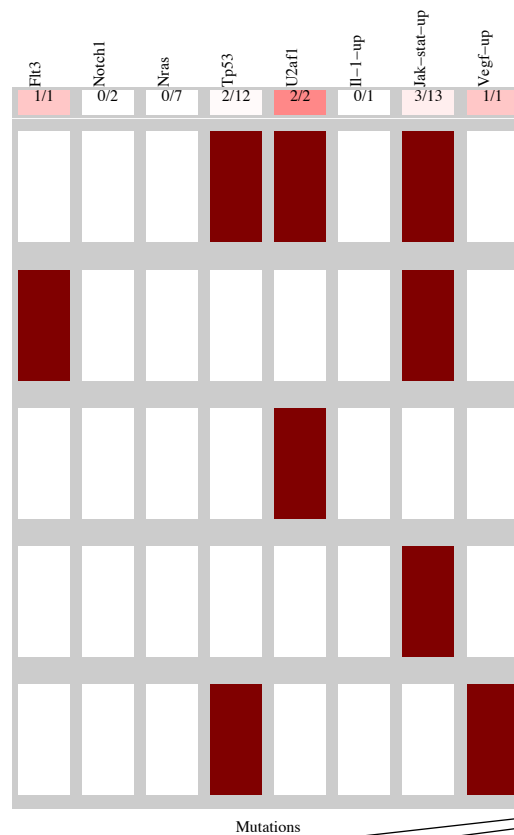
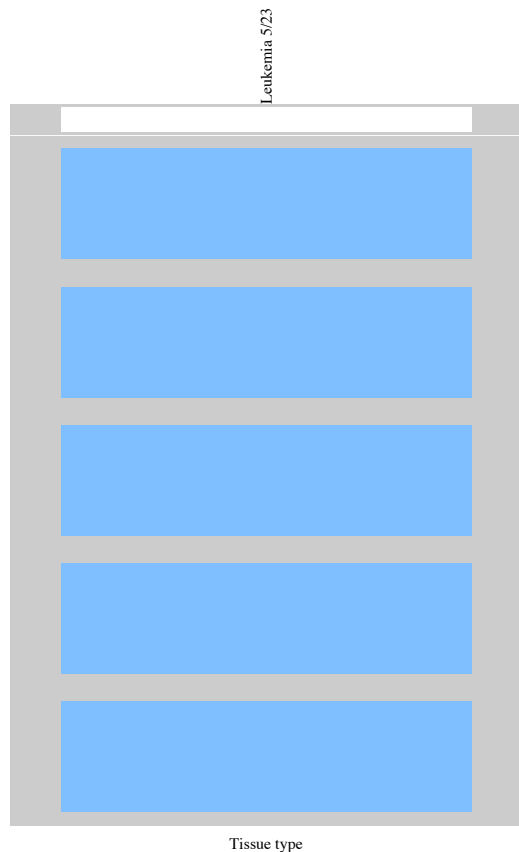
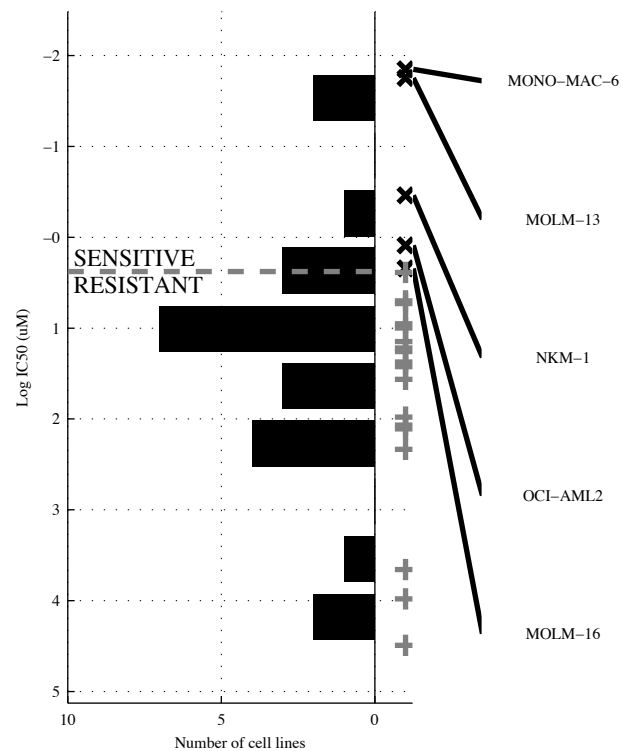
23 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>VEGF-U</b>	<b>TP53 &amp; H2O2-D</b>	<b>¬NRAS &amp; ¬SACS &amp; TP53</b>	<b>¬d6p21 &amp; PML-R &amp; ¬SACS &amp; TP53</b>	<b>VEGF-U &amp; H2O2-D</b>	<b>[¬NPM1 &amp; VEGF-U]   [TP53 &amp; H2O2-D]</b>	<b>d9p13.   VEGF-U   H2O2-D</b>	<b>d9p13.   VEGF-U   H2O2-D  </b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{4} \mid \frac{0}{18}$ 1 0.2	$\frac{2}{3} \mid \frac{0}{18}$ 1 0.4	$\frac{3}{2} \mid \frac{3}{15}$ 0.83 0.5 0.6	$\frac{5}{0} \mid \frac{3}{15}$ 0.83 0.63 1	$\frac{3}{2} \mid \frac{2}{16}$ 0.89 0.6 0.6	$\frac{3}{2} \mid \frac{0}{18}$ 1 1 0.6	$\frac{4}{1} \mid \frac{2}{16}$ 0.89 0.67 0.8	$\frac{4}{1} \mid \frac{2}{16}$ 0.89 0.67 0.8

LAML  
 id: 1037 name: BX-795  
 target: TBK1, PDPK1, IKK, AURKB, AURKC class: other

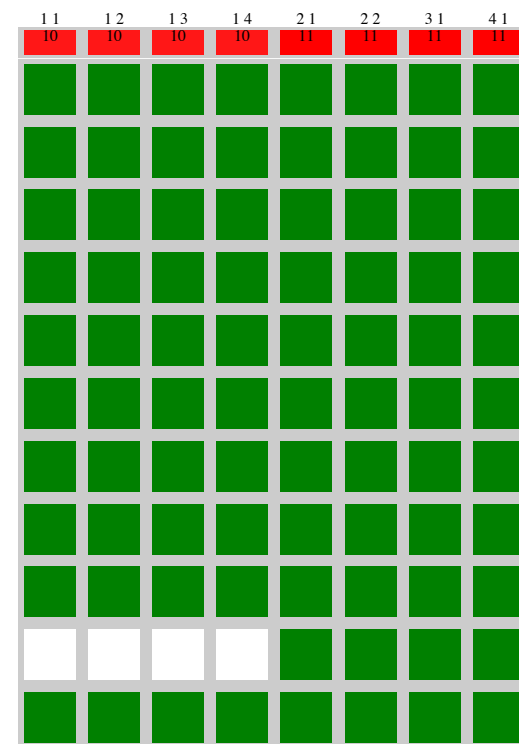
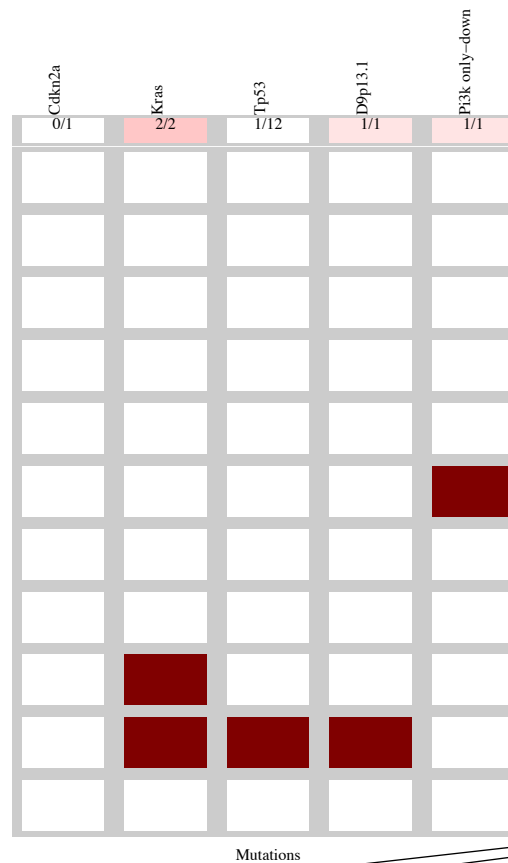
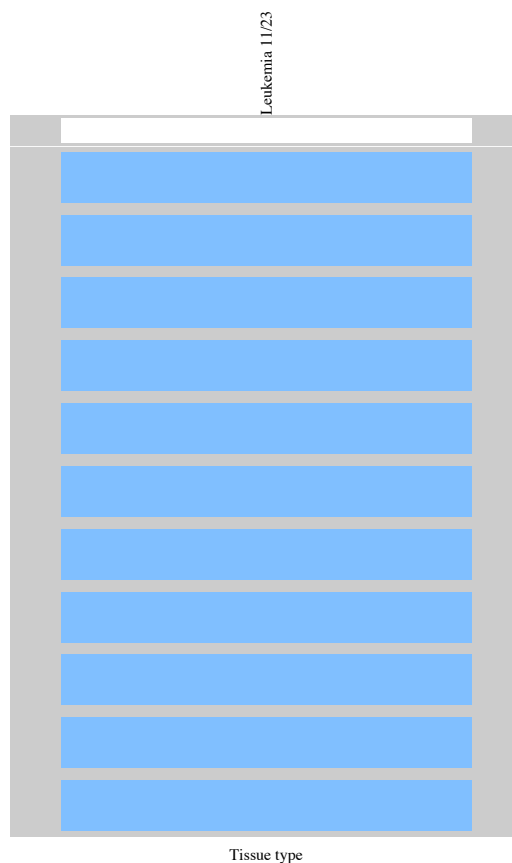
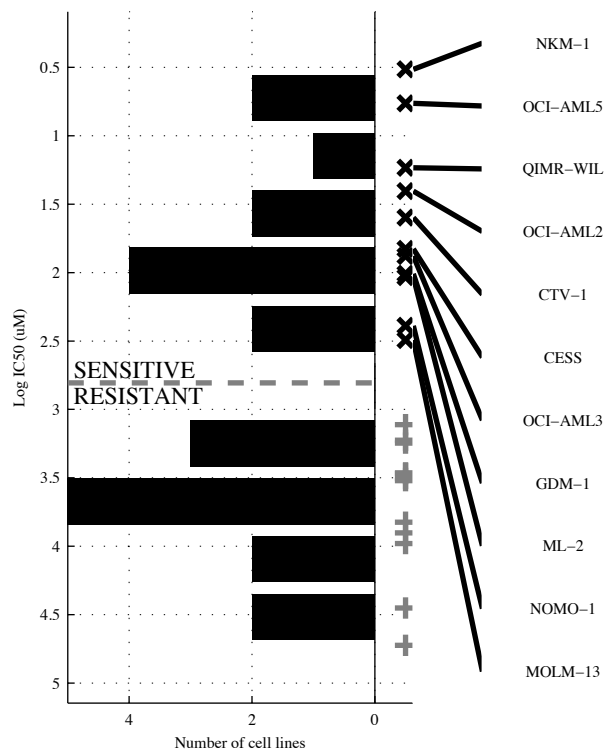
23 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>U2AF1</b>	<b>U2AF1 &amp;</b>	<b>-NOTCH &amp; -NRAS &amp;</b> <b>JAK-ST</b>	<b>-NOTCH &amp; -NRAS &amp;</b> <b>-IL-1- &amp; JAK-ST</b>	<b>FLT3   U2AF1</b>	<b>[ FLT3 &amp; -TP53 ]</b> <b> </b> <b>[ U2AF1 &amp; ]</b>	<b>FLT3   U2AF1  </b> <b>VEGF-U</b>	<b>FLT3   U2AF1  </b> <b>VEGF-U</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{2}{3} \mid \frac{0}{18}$ 1 0.4	$\frac{2}{3} \mid \frac{0}{18}$ 1 0.4	$\frac{3}{2} \mid \frac{3}{15}$ 0.83 0.5 0.6	$\frac{3}{2} \mid \frac{2}{16}$ 0.89 0.6 0.6	$\frac{3}{2} \mid \frac{0}{18}$ 1 0.6	$\frac{3}{2} \mid \frac{0}{18}$ 1 0.6	$\frac{4}{1} \mid \frac{0}{18}$ 1 0.8	$\frac{4}{1} \mid \frac{0}{18}$ 1 0.8

LAML  
 id: 1047 name: Nutlin-3a  
 target: MDM2 class: p53 pathway

23 cell lines  
 11 sensitive

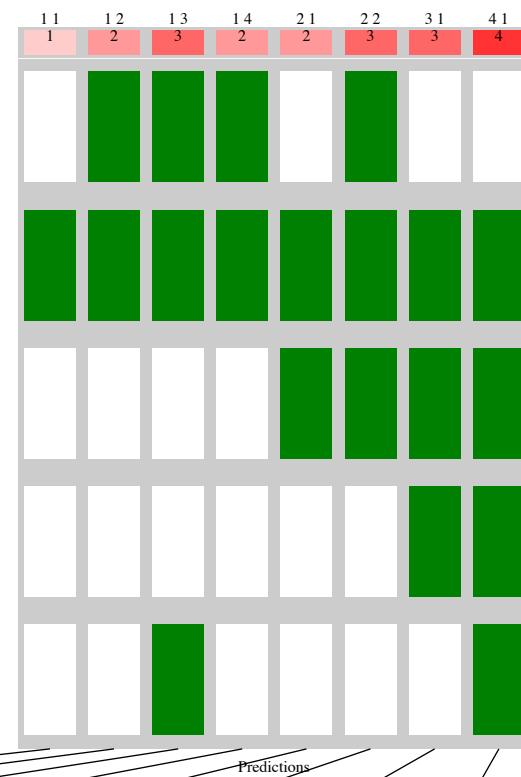
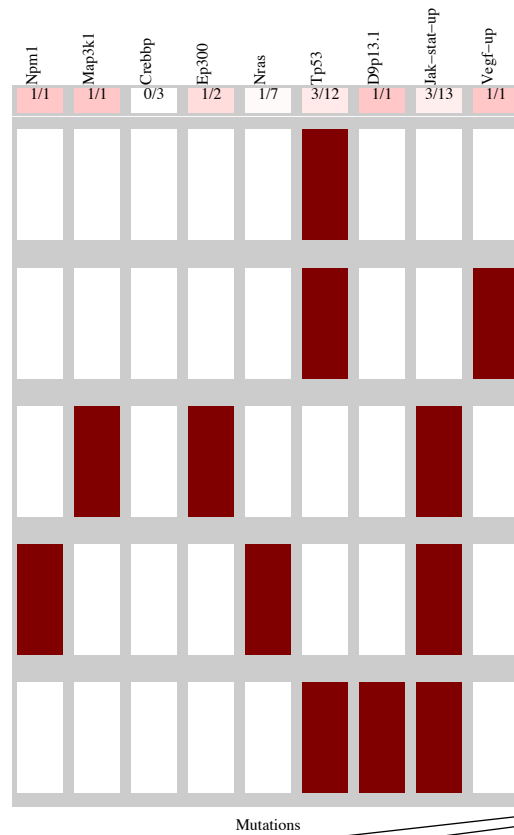
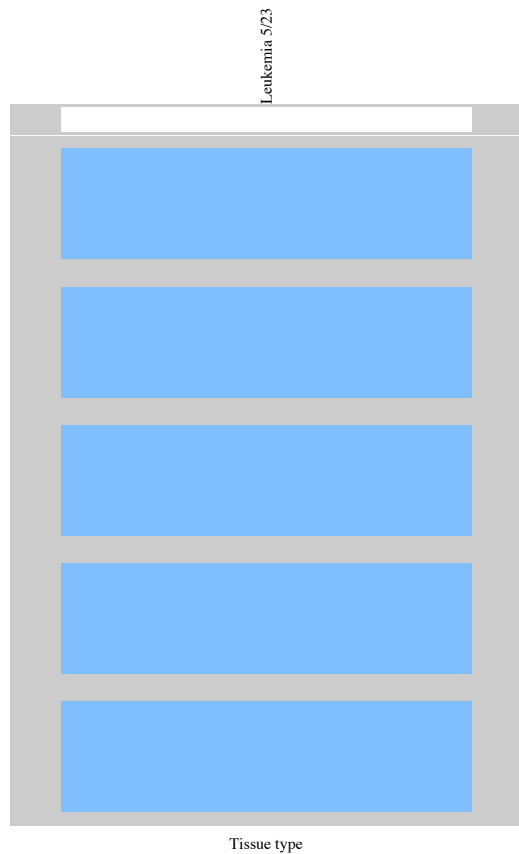
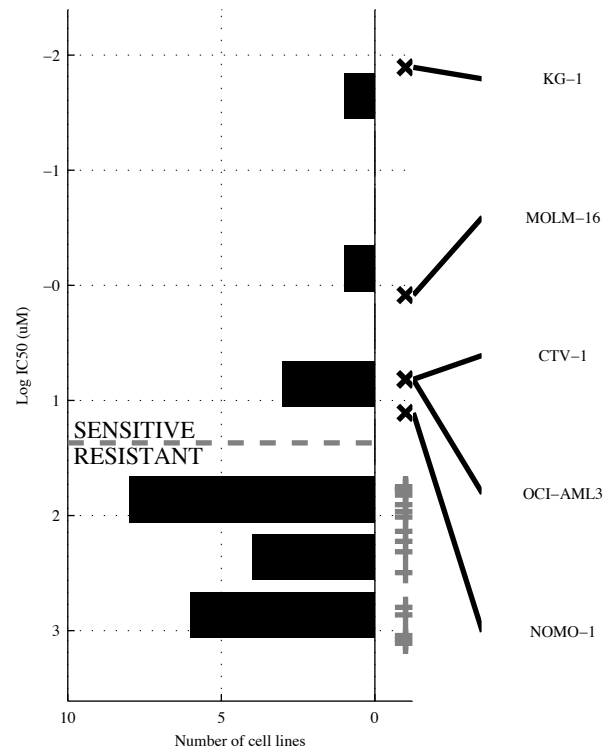


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>-TP53</b>	<b>-CDKN2&amp; -TP53</b>	<b>-CDKN2&amp; -TP53 &amp;</b>	<b>-CDKN2&amp; -TP53 &amp;</b>	<b>-TP53   d9p13.</b>	<b>[CDKN2&amp; -TP53 ]   [ KRAS &amp;¬PI3K o]</b>	<b>-TP53   d9p13.  </b>	<b>-TP53   d9p13.  </b>
TP   FP Specificity	$\frac{10}{1} \mid \frac{1}{11}$ 0.92	$\frac{10}{1} \mid \frac{0}{12}$ 1	$\frac{10}{1} \mid \frac{0}{12}$ 1	$\frac{10}{1} \mid \frac{0}{12}$ 1	$\frac{11}{0} \mid \frac{1}{11}$ 0.92	$\frac{11}{0} \mid \frac{0}{12}$ 1	$\frac{11}{0} \mid \frac{1}{11}$ 0.92	$\frac{11}{0} \mid \frac{1}{11}$ 0.92
FN   TN Precision	$\frac{10}{1} \mid \frac{1}{11}$ 0.91	$\frac{10}{1} \mid \frac{0}{12}$ 1	$\frac{10}{1} \mid \frac{0}{12}$ 1	$\frac{10}{1} \mid \frac{0}{12}$ 1	$\frac{11}{0} \mid \frac{1}{11}$ 0.92	$\frac{11}{0} \mid \frac{0}{12}$ 1	$\frac{11}{0} \mid \frac{1}{11}$ 0.92	$\frac{11}{0} \mid \frac{1}{11}$ 0.92
Recall	0.91	0.91	0.91	0.91	1	1	1	1



LAML  
 id: 1049 name: PD-173074  
 target: FGFR1, FGFR3 class: RTK signaling

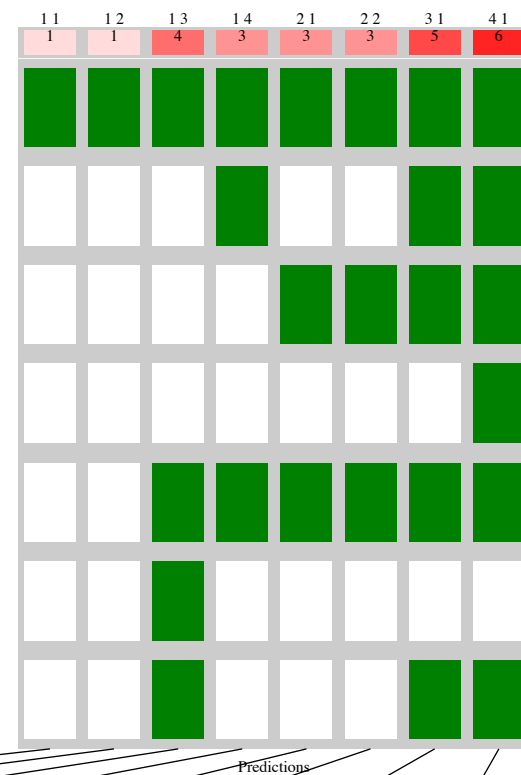
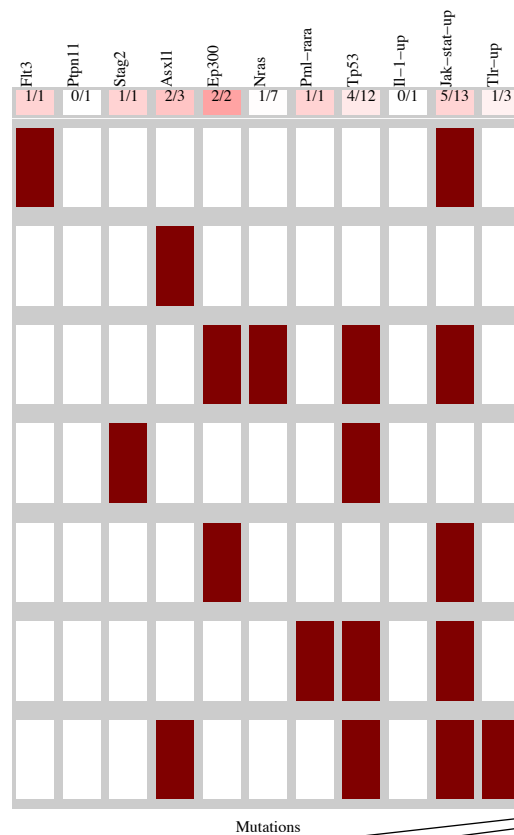
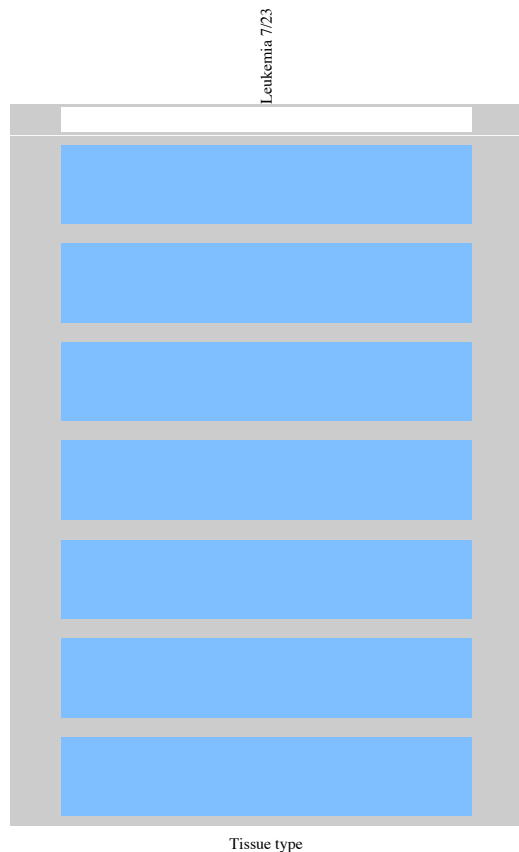
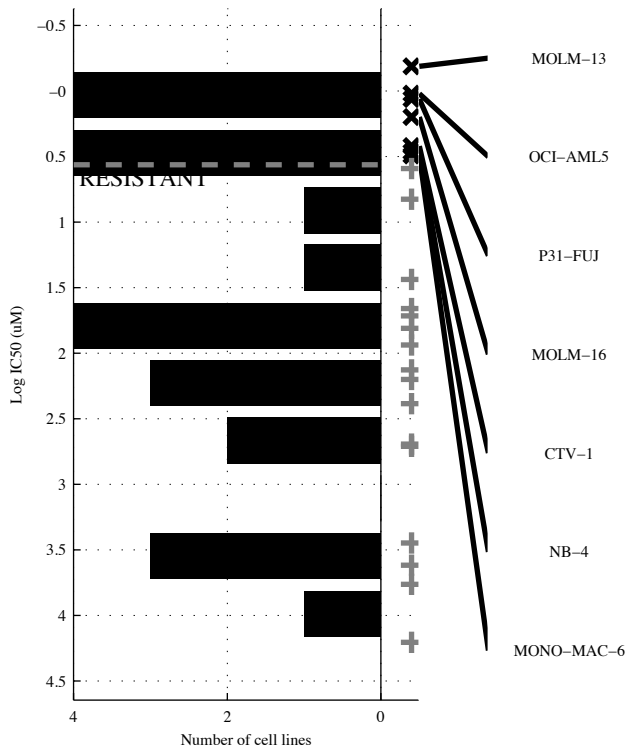
23 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>VEGF-U</b>	<b>TP53 &amp; JAK-ST</b>	<b>-CREBB&amp;-NRAS&amp; TP53</b>	<b>-CREBB&amp;-NRAS&amp; TP53 &amp; JAK-ST</b>	<b>MAP3K1IVEGF-U</b>	<b>[ TP53 &amp; JAK-ST ]   fCREBB&amp; EP300 ]</b>	<b>NPM1   MAP3K1  VEGF-U</b>	<b>NPM1   MAP3K1  d9p13. IVEGF-U</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{4} \mid \frac{0}{18}$ 1 0.2	$\frac{2}{3} \mid \frac{3}{15}$ 0.83 0.4 0.4	$\frac{3}{2} \mid \frac{3}{15}$ 0.83 0.5 0.6	$\frac{2}{3} \mid \frac{0}{18}$ 1 1 0.4	$\frac{2}{3} \mid \frac{0}{18}$ 1 1 0.4	$\frac{3}{2} \mid \frac{3}{15}$ 0.83 0.5 0.6	$\frac{3}{2} \mid \frac{0}{18}$ 1 1 0.6	$\frac{4}{1} \mid \frac{0}{18}$ 1 1 0.8

LAML  
 id: 1050 name: ZM-447439  
 target: AURKB class: mitosis

23 cell lines  
 7 sensitive

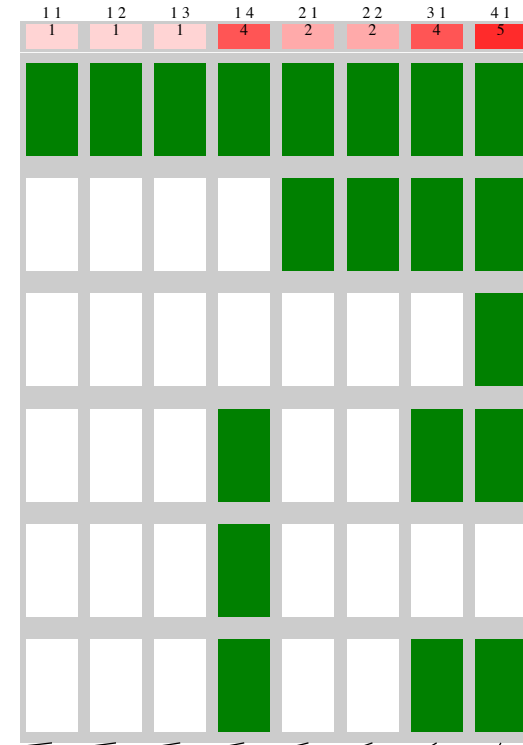
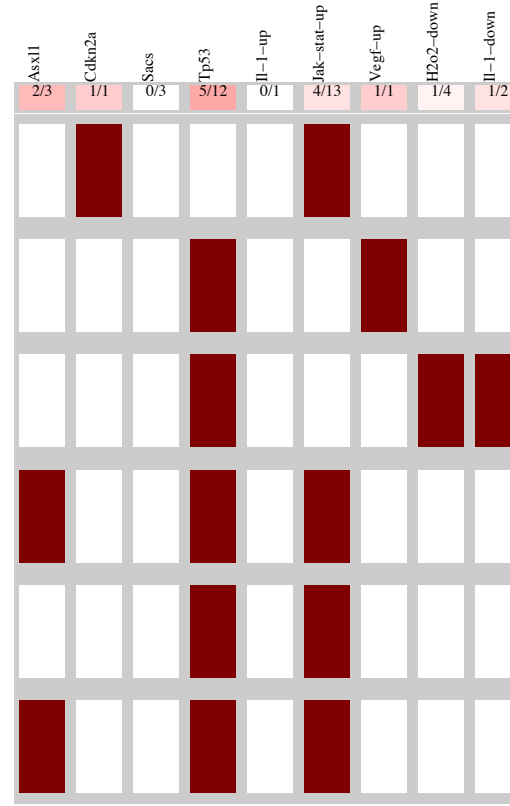
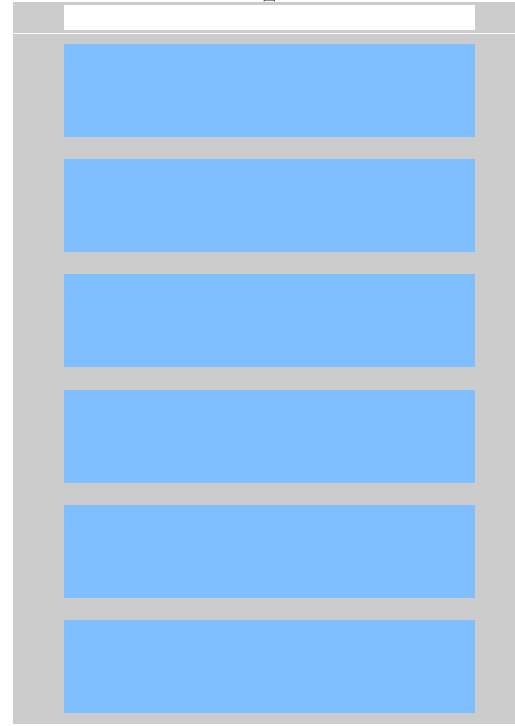
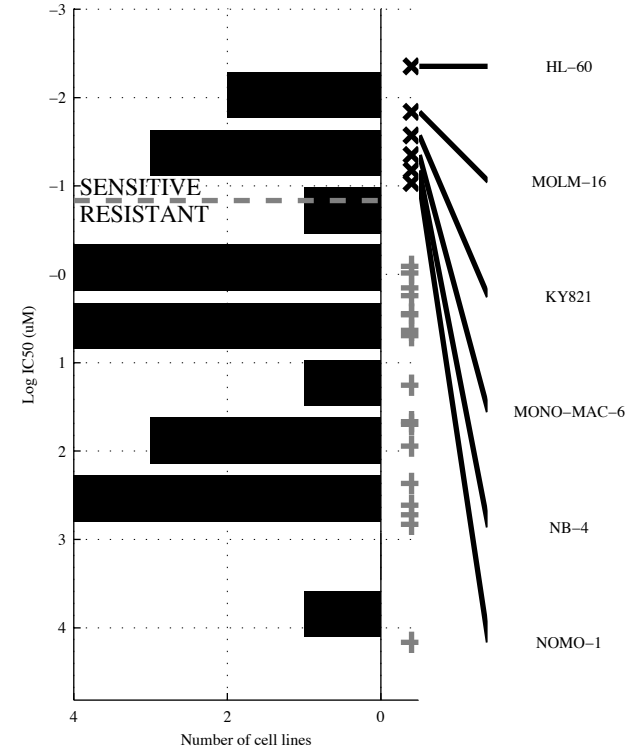


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>FLT3</b>	<b>FLT3 &amp;</b>	<b>~NRAS &amp; ~IL-1-U &amp;</b> <b>JAK-ST</b>	<b>~PTPN1 &amp; ~NRAS &amp;</b> <b>~TP53 &amp; TLR-UP</b>	<b>FLT3   EP300</b>	<b>[ EP300 &amp; ]</b> <b> </b> <b>[ FLT3 &amp; PML-RA ]</b>	<b>FLT3   ASXL1  </b> <b>EP300</b>	<b>FLT3   STAG2  </b> <b>ASXL1   EP300</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{6} \mid \frac{0}{16}$ 1 0.14	$\frac{1}{6} \mid \frac{0}{16}$ 1 0.14	$\frac{4}{3} \mid \frac{3}{13}$ 0.81 0.57 0.57	$\frac{3}{4} \mid \frac{3}{13}$ 0.81 0.5 0.43	$\frac{3}{4} \mid \frac{0}{16}$ 1 1 0.43	$\frac{3}{4} \mid \frac{0}{16}$ 1 1 0.43	$\frac{5}{2} \mid \frac{1}{15}$ 0.94 0.83 0.71	$\frac{6}{1} \mid \frac{1}{15}$ 0.94 0.86 0.86

LAML  
 id: 1058 name: GDC0941  
 target: PI3K (class 1) class: PI3K signaling

23 cell lines  
 6 sensitive

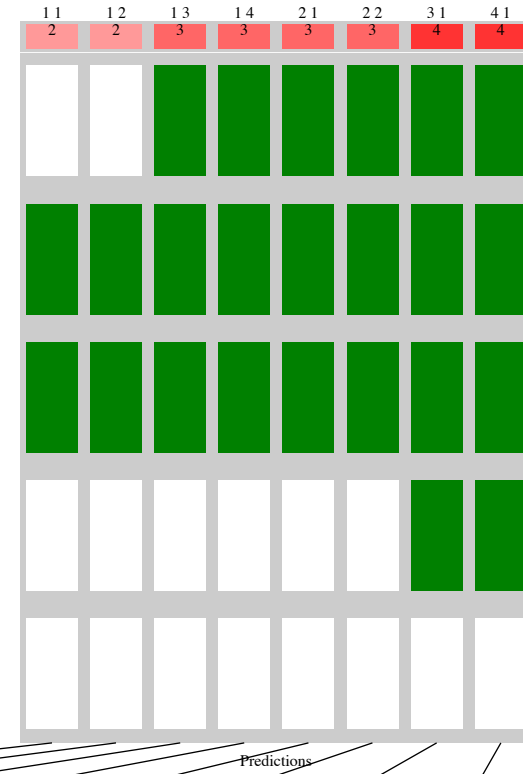
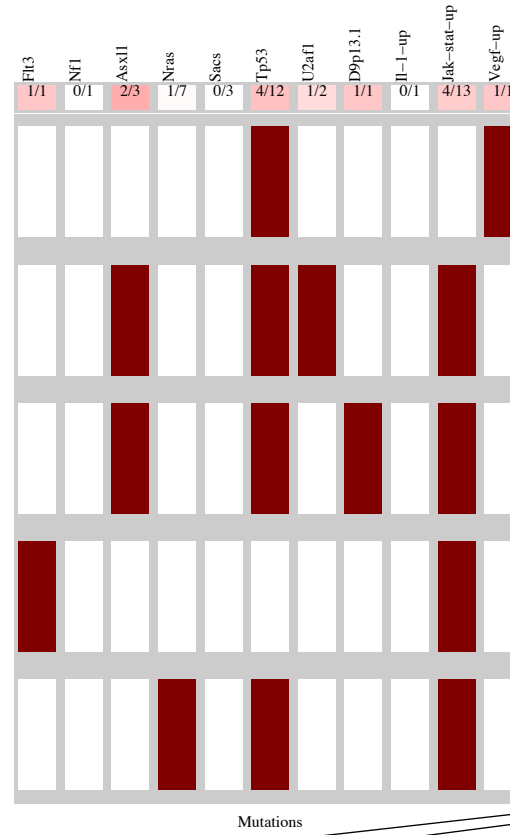
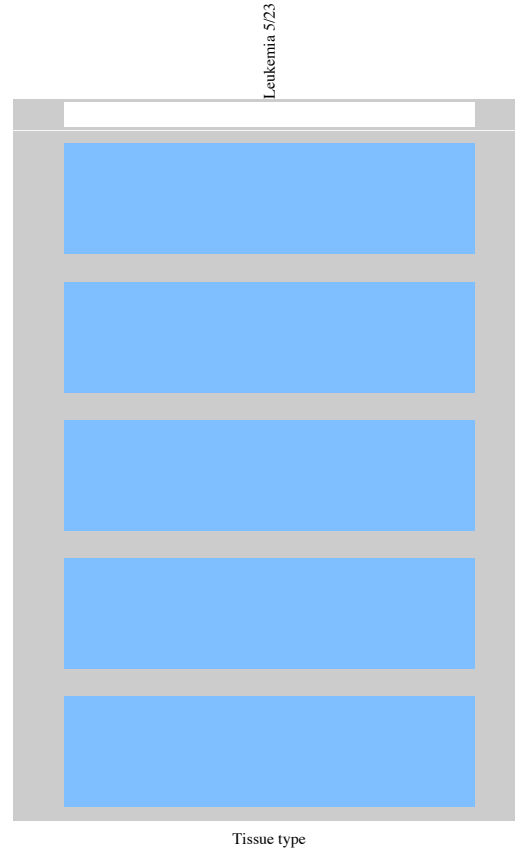
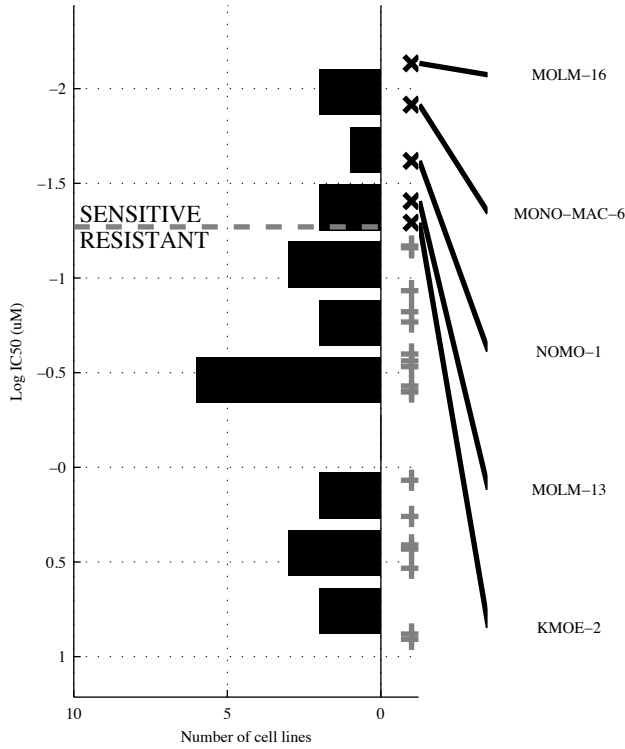
Leukemia 6/23



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>CDKN2A</b>	<b>CDKN2A</b> &	<b>CDKN2A</b> & &	<b>-SACS</b> & <b>IL-1-U</b> &	<b>CDKN2A</b> & <b>VEGF-U</b>	<b>[ -ASXL1 &amp; CDKN2A ]</b>   <b>[ TP53 &amp; VEGF-U ]</b>	<b>ASXL1</b> & <b>CDKN2A</b> &	<b>ASXL1</b> & <b>CDKN2A</b> & & <b>VEGF-U</b> & <b>IL-1-D</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{5} \mid \frac{0}{17} \quad \frac{1}{1}$ 0.17	$\frac{1}{5} \mid \frac{0}{17} \quad \frac{1}{1}$ 0.17	$\frac{1}{5} \mid \frac{0}{17} \quad \frac{1}{1}$ 0.17	$\frac{4}{2} \mid \frac{3}{14} \quad \frac{0.82}{0.57} \quad \frac{0.67}{0.67}$	$\frac{2}{4} \mid \frac{0}{17} \quad \frac{1}{1} \quad \frac{0.33}{0.33}$	$\frac{2}{4} \mid \frac{0}{17} \quad \frac{1}{1} \quad \frac{0.33}{0.33}$	$\frac{4}{2} \mid \frac{1}{16} \quad \frac{0.94}{0.8} \quad \frac{0.67}{0.67}$	$\frac{5}{1} \mid \frac{2}{15} \quad \frac{0.88}{0.71} \quad \frac{0.83}{0.83}$

LAML  
 id: 1059 name: AZD8055  
 target: MTORC12 class: TOR signaling

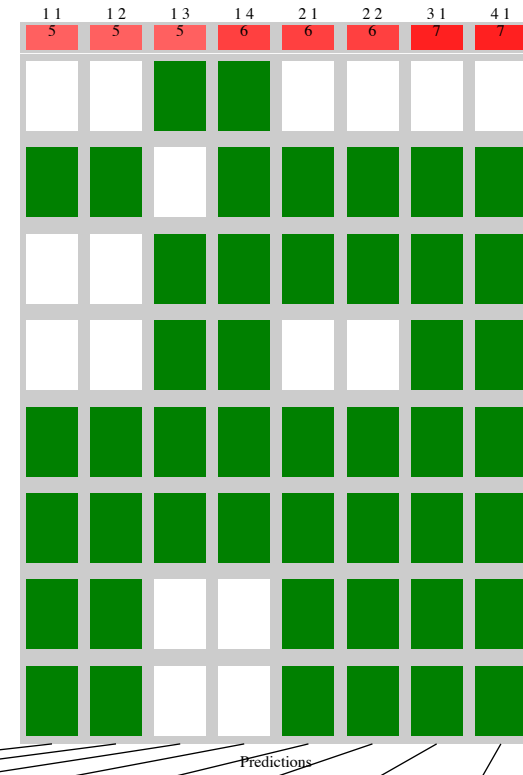
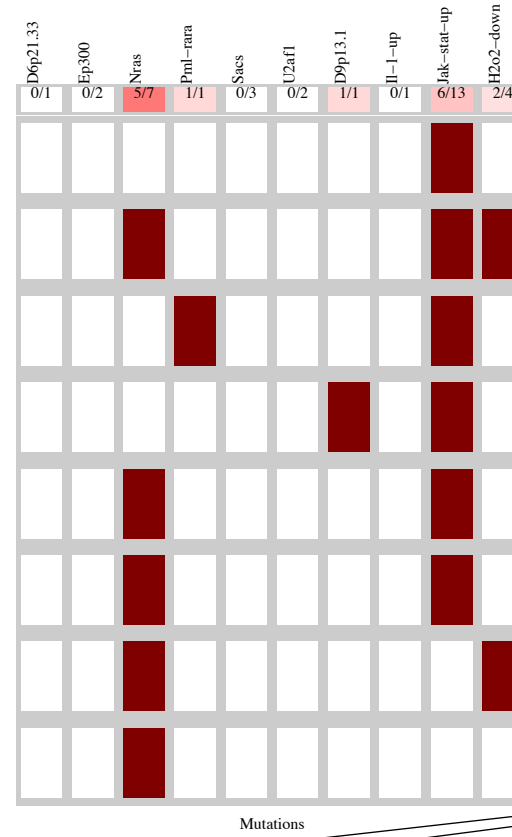
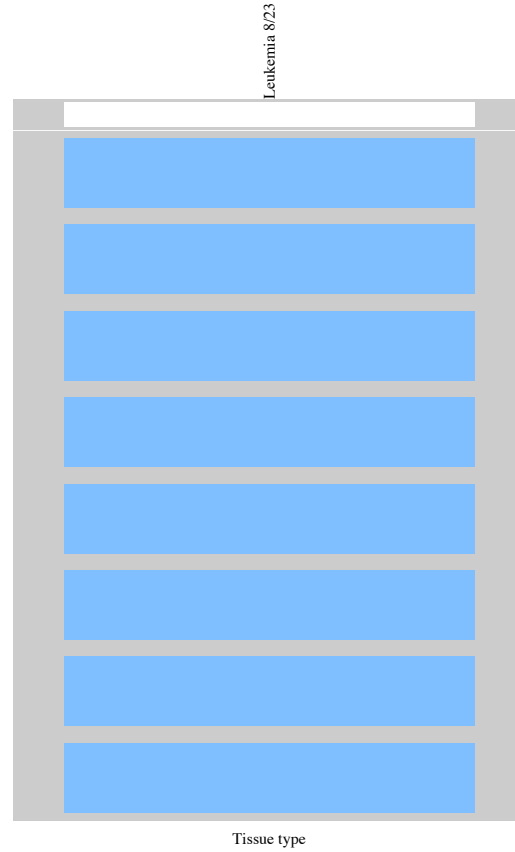
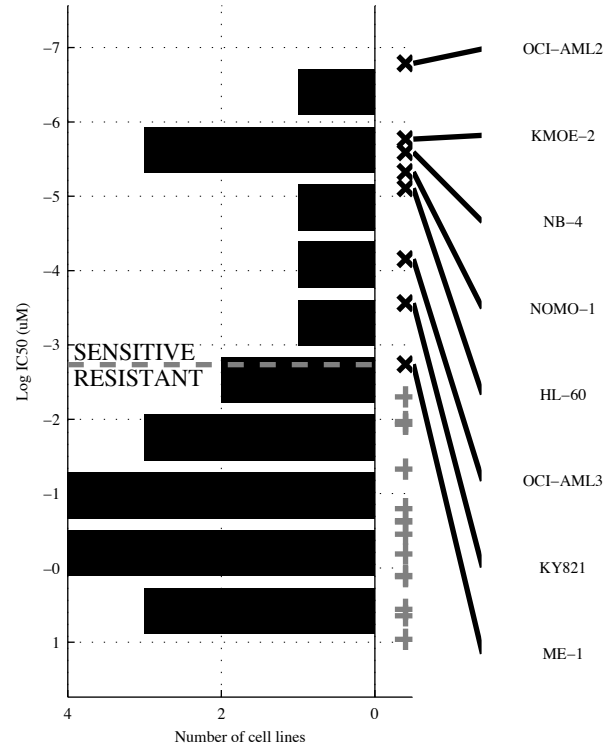
23 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>ASXL1</b>	<b>~NF1 &amp; ASXL1</b>	<b>~NRAS &amp; ~SACS &amp; TP53</b>	<b>~NRAS &amp; ~SACS &amp; TP53 &amp; ~IL-1-U</b>	<b>ASXL1   VEGF-U</b>	<b>[ ASXL1 &amp; JAK-ST ]   [ ~NRAS &amp; VEGF-U ]</b>	<b>FLT3   ASXL1   VEGF-U</b>	<b>FLT3   U2AF1   d9p13.   VEGF-U</b>
TP   FP	2   1	2   0	3   3	3   2	3   1	3   0	4   1	4   1
Specificity	0.94	1	0.83	0.89	0.94	1	0.94	0.94
FN   TN	3   17	3   18	2   15	2   16	2   17	2   18	1   17	1   17
Precision	0.67	1	0.5	0.6	0.75	1	0.8	0.8
Recall	0.4	0.4	0.6	0.6	0.6	0.6	0.8	0.8

LAML  
 id: 1060 name: PD-0325901  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

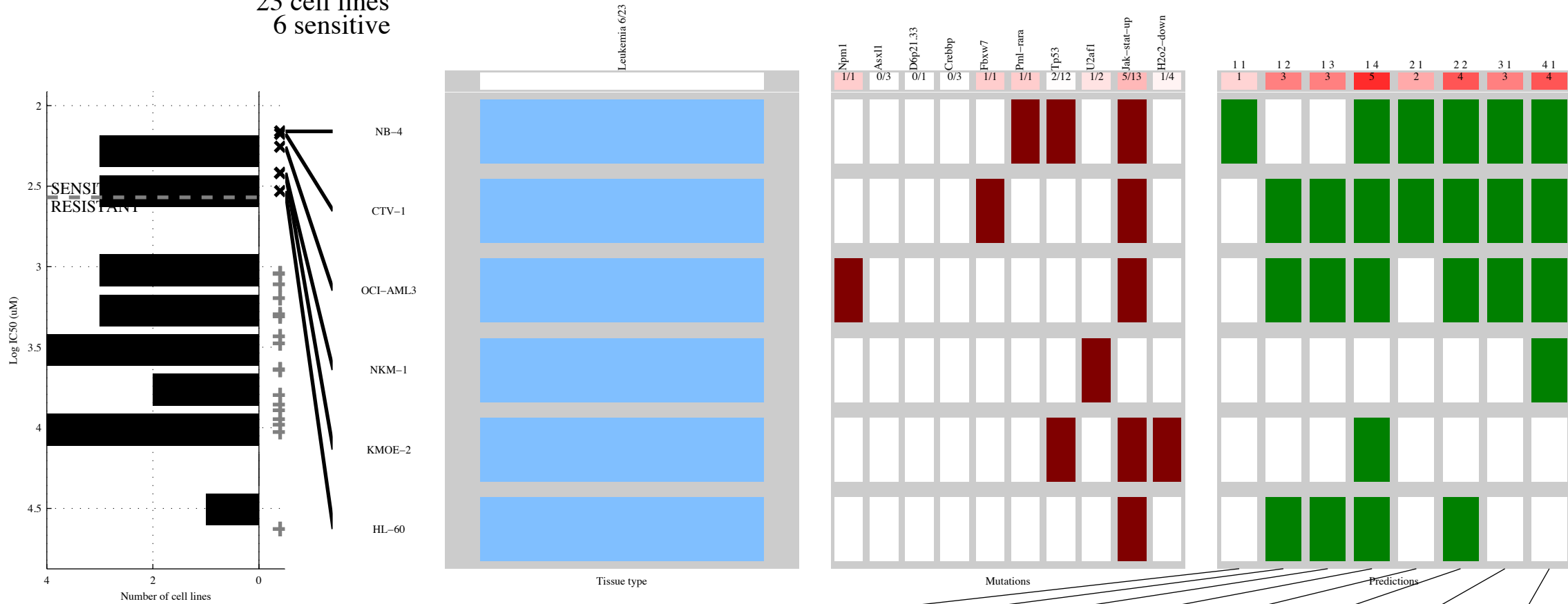
23 cell lines  
 8 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>NRAS</b>	<b>¬d6p21.&amp; NRAS</b>	<b>¬EP300&amp;JAK-ST&amp; ¬H2O2-D</b>	<b>¬SACS&amp;¬U2AF1&amp; ¬IL-1-¬U&amp;JAK-ST</b>	<b>NRAS PML-RA</b>	<b>[PML-RA&amp;   [¬d6p21.&amp; NRAS ]</b>	<b>NRAS PML-RA d9p13.</b>	<b>NRAS PML-RA d9p13.  </b>
TP   FP	5   2	5   1	5   3	6   3	6   2	6   1	7   2	7   2
Specificity	0.87	0.93	0.8	0.8	0.87	0.93	0.87	0.87
FN   TN	3   13	3   14	3   12	2   12	2   13	2   14	1   13	1   13
Precision	0.71	0.83	0.63	0.67	0.75	0.86	0.78	0.78
Recall	0.63	0.63	0.63	0.75	0.75	0.75	0.88	0.88

LAML  
 id: 1061 name: SB590885  
 target: BRAF class: ERK MAPK signaling

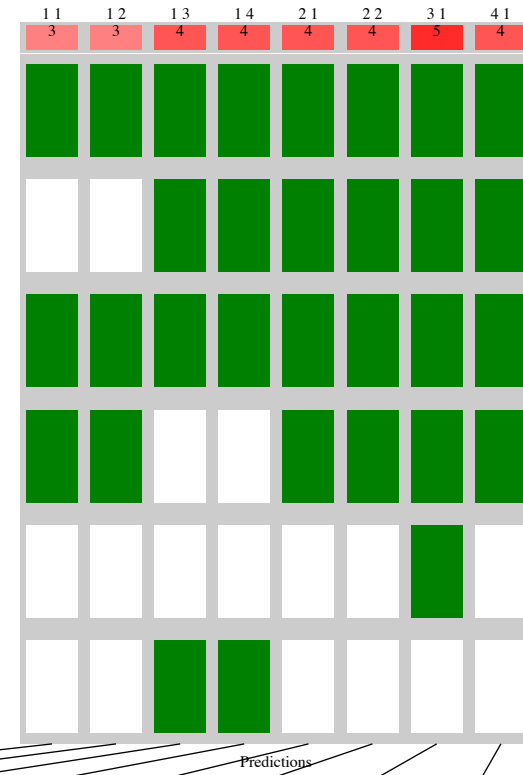
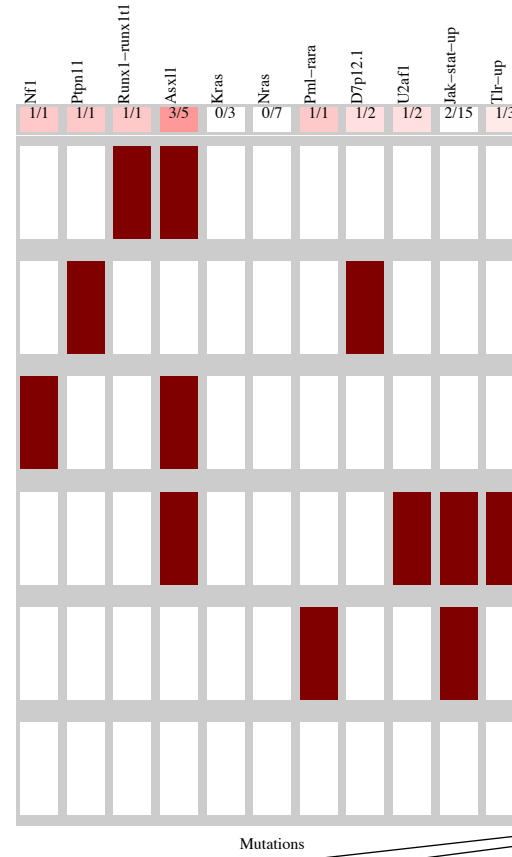
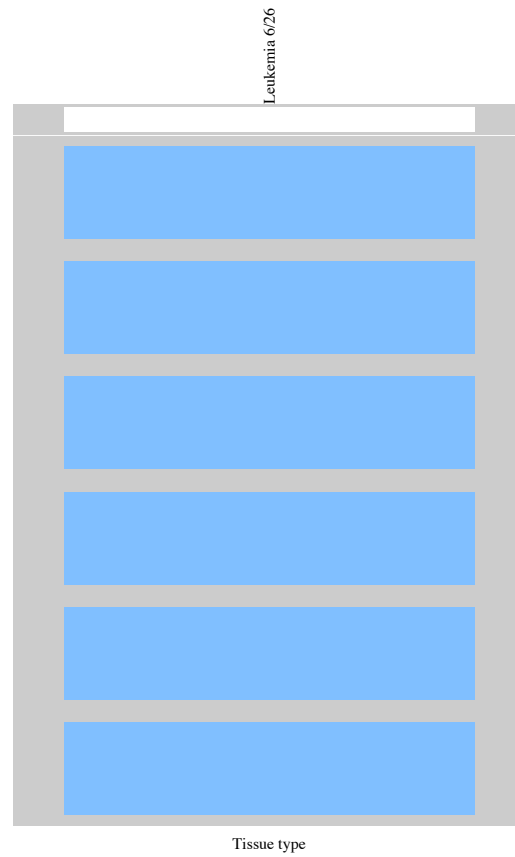
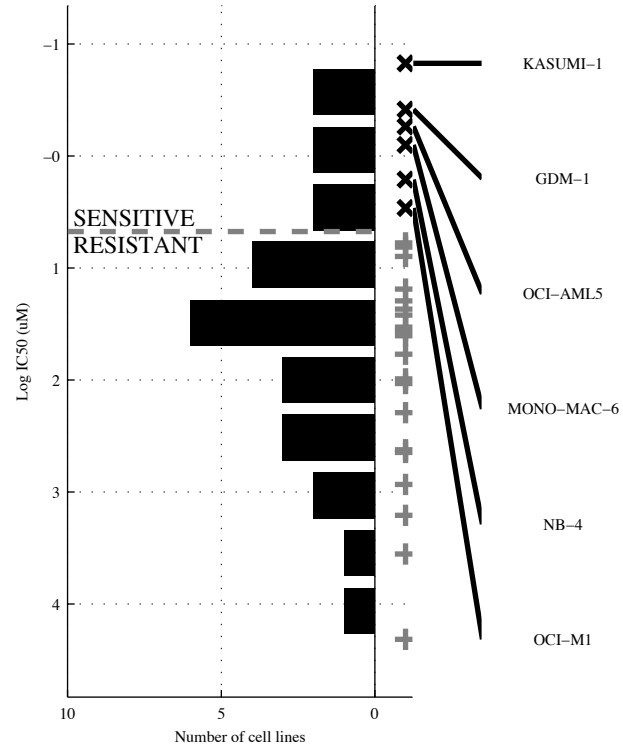
23 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>PML-RA</b>	<b>-TP53 &amp; JAK-ST</b>	<b>-TP53 &amp; JAK-ST &amp; -H2O2-D</b>	<b>-ASXL1 &amp; -d6p21 &amp; -CREBBP &amp; JAK-ST</b>	<b>FBXW7 PML-RA</b>	<b>[ PML-RA &amp; ]   [ -TP53 &amp; JAK-ST ]</b>	<b>NPM1   FBXW7   PML-RA</b>	<b>NPM1   FBXW7   PML-RA   U2AF1</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{5} \mid \frac{0}{17}$ 1 0.17	$\frac{3}{3} \mid \frac{3}{14}$ 0.82 0.5 0.5	$\frac{3}{3} \mid \frac{1}{16}$ 0.94 0.75 0.5	$\frac{5}{1} \mid \frac{3}{14}$ 0.82 0.63 0.83	$\frac{2}{4} \mid \frac{0}{17}$ 1 0.33	$\frac{4}{2} \mid \frac{3}{14}$ 0.82 0.57 0.67	$\frac{3}{3} \mid \frac{0}{17}$ 1 0.5	$\frac{4}{2} \mid \frac{1}{16}$ 0.94 0.8 0.67

LAML  
 id: 1091 name: BMS-536924  
 target: IGF1R class: IGFR signaling

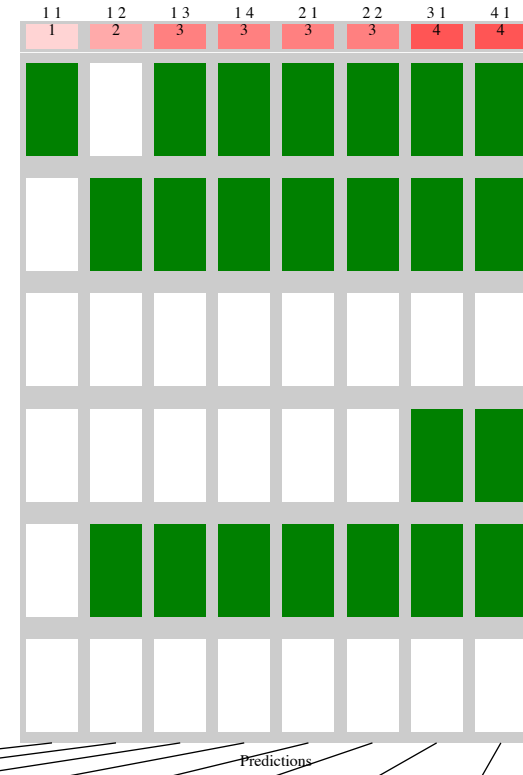
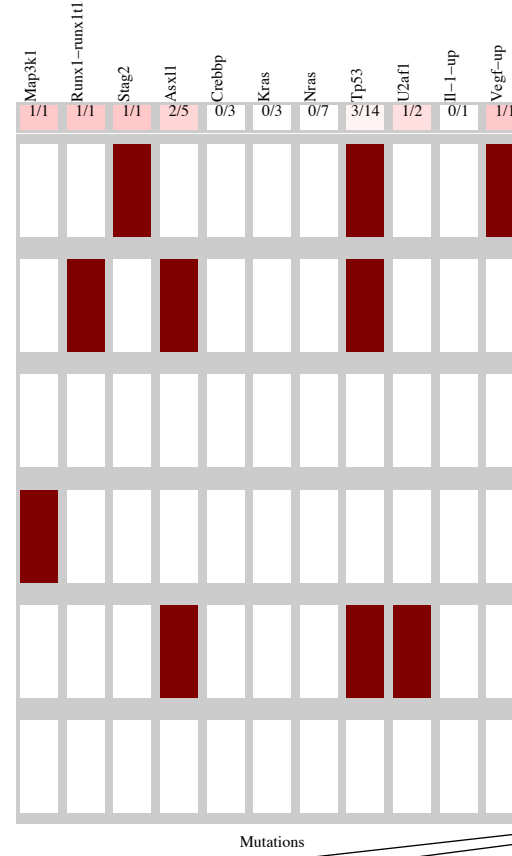
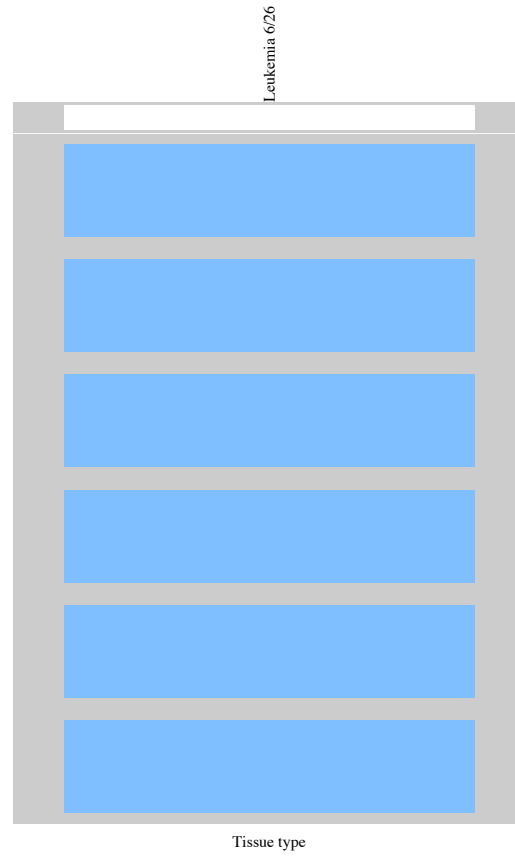
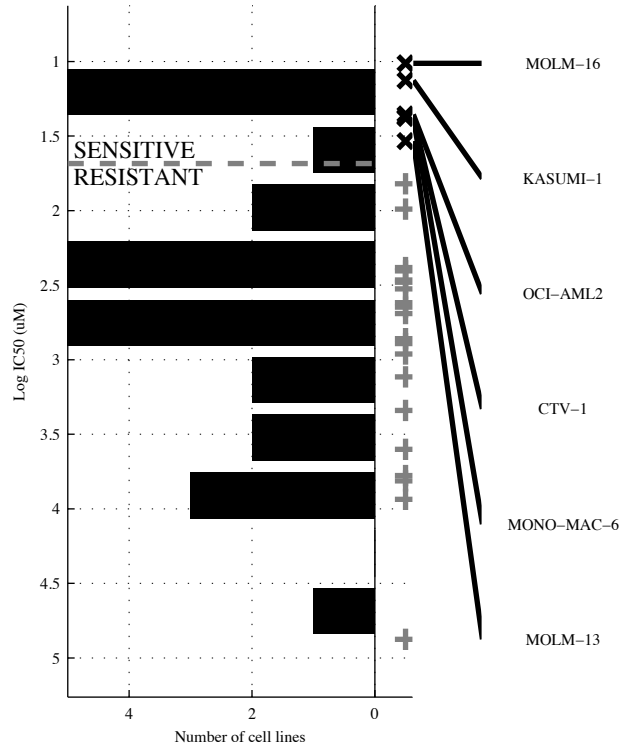
26 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>ASXL1</b>	<b>ASXL1 &amp; ~KRAS</b>	<b>~NRAS &amp; JAK-S &amp; ~TLR-UP</b>	<b>~NRAS &amp; ~U2AF1 &amp; ~JAK-S &amp; TLR-UP</b>	<b>PTPN11   ASXL1</b>	<b>[ ~NRAS &amp; d7p12. ]   [ ASXL1 &amp; ~KRAS ]</b>	<b>PTPN11   ASXL1   PML-RA</b>	<b>NF1   PTPN11   RUNX1-   U2AF1</b>
TP   FP	3   2	3   0	4   3	4   2	4   2	4   0	5   2	4   1
Specificity	0.9	1	0.85	0.9	0.9	1	0.9	0.95
FN   TN	3   18	3   20	2   17	2   18	2   18	2   20	1   18	2   19
Precision	0.6	1	0.57	0.67	0.67	1	0.71	0.8
Recall	0.5	0.5	0.67	0.67	0.67	0.67	0.83	0.67

LAML  
 id: 1170 name: CCT018159  
 target: HSP90 class: other

26 cell lines  
 6 sensitive

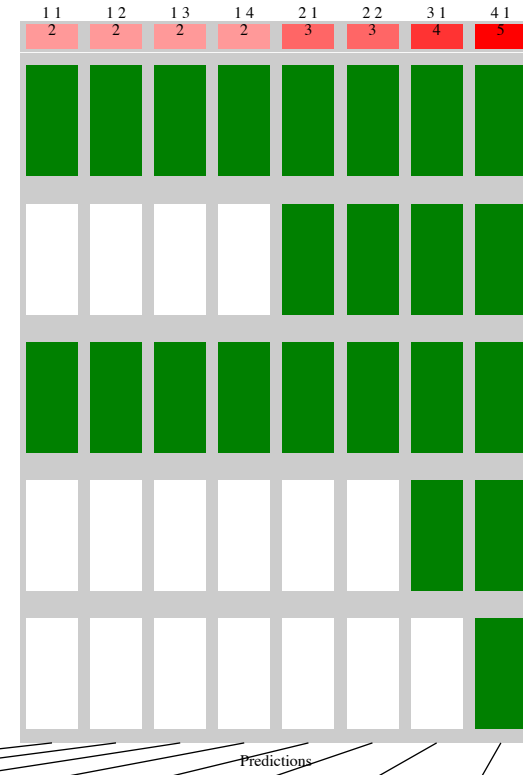
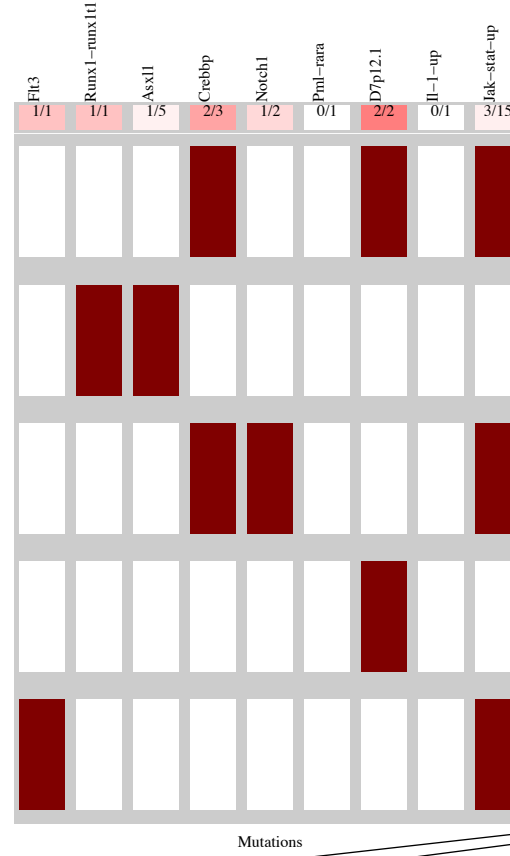
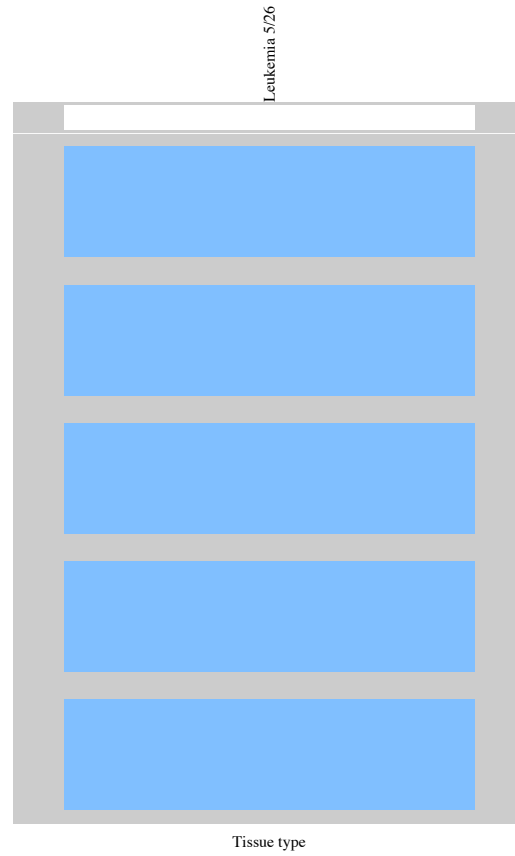
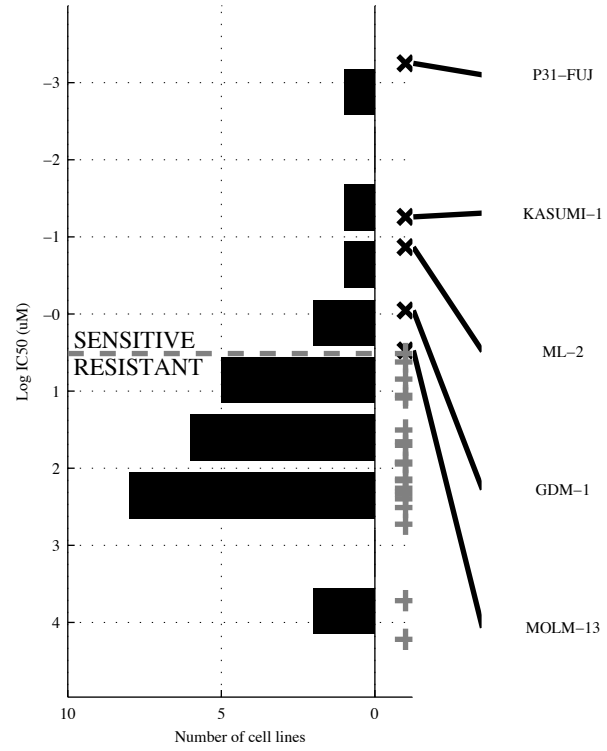


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>STAG2</b>	<b>ASXL1 &amp; TP53</b>	<b>¬KRAS &amp; ¬NRAS &amp; TP53</b>	<b>¬CREBBP &amp; ¬KRAS &amp; ¬NRAS &amp; TP53</b>	<b>ASXL1   VEGF-U</b>	<b>[ ASXL1 &amp; TP53 ]   [¬IL-1-UP &amp; VEGF-U]</b>	<b>MAP3K1   ASXL1   VEGF-U</b>	<b>MAP3K1   RUNX1-1   U2AF1   VEGF-U</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{5} \mid \frac{0}{20}$ 1 0.17	$\frac{2}{4} \mid \frac{2}{18}$ 0.9 0.5 0.33	$\frac{3}{3} \mid \frac{4}{16}$ 0.8 0.43 0.5	$\frac{3}{3} \mid \frac{3}{17}$ 0.85 0.5 0.5	$\frac{3}{3} \mid \frac{3}{17}$ 0.85 0.5 0.5	$\frac{3}{3} \mid \frac{2}{18}$ 0.9 0.6 0.5	$\frac{4}{2} \mid \frac{3}{17}$ 0.85 0.57 0.67	$\frac{4}{2} \mid \frac{1}{19}$ 0.95 0.8 0.67



LAML  
 id: 1192 name: GSK269962A  
 target: ROCK1, ROCK2 class: cytoskeleton

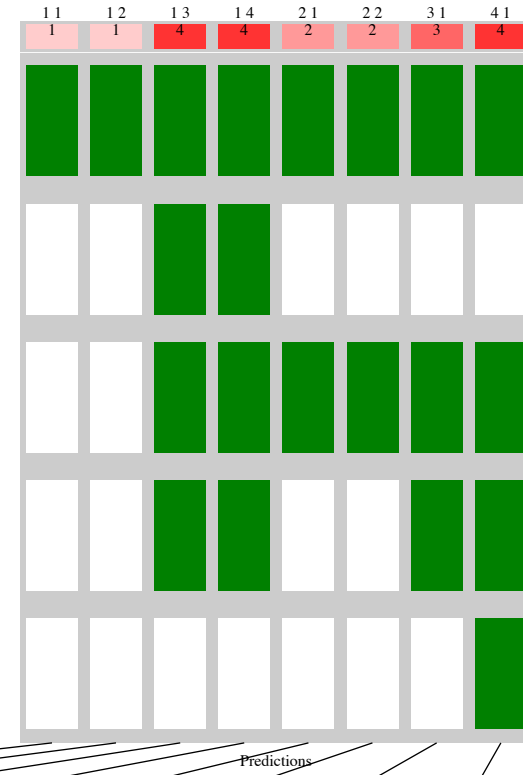
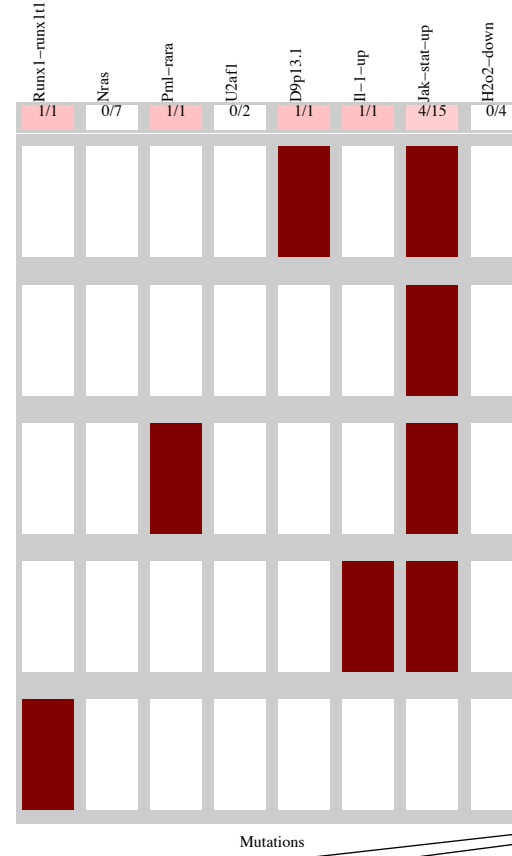
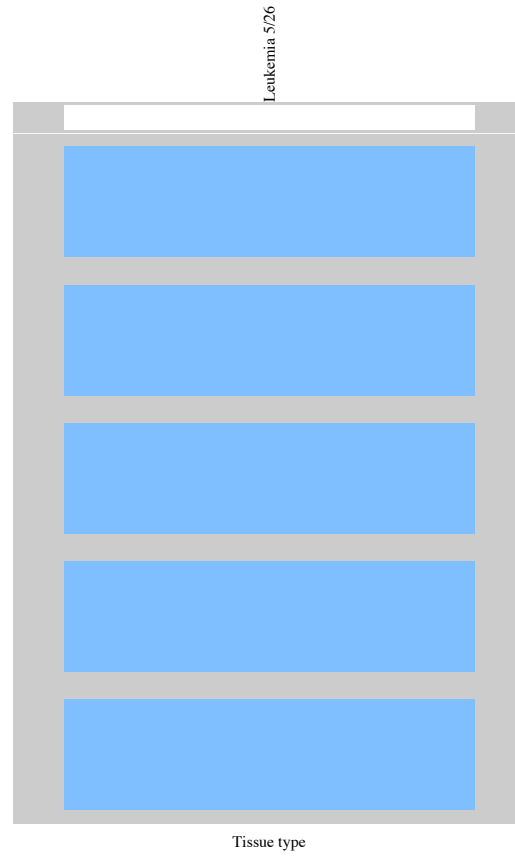
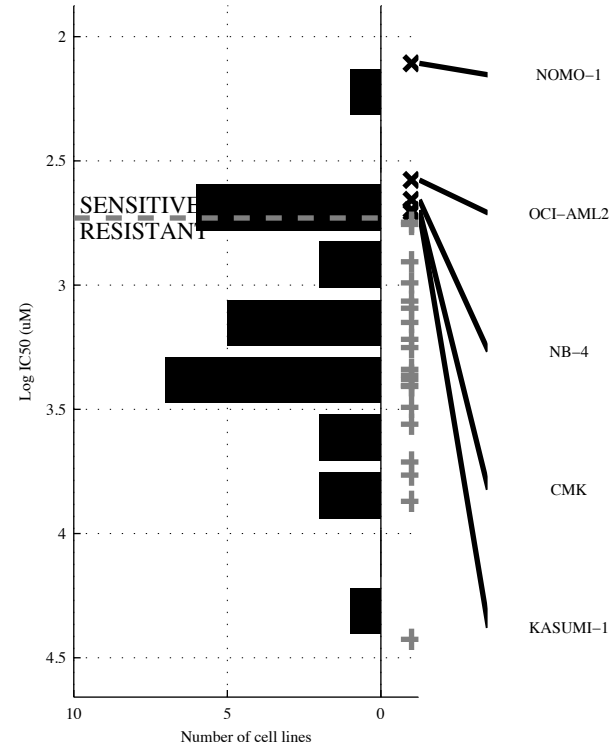
26 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>CREBBP</b>	<b>CREBBP &amp; JAK-ST</b>	<b>ASXL1 &amp; CREBBP &amp; JAK-ST</b>	<b>ASXL1 &amp; CREBBP &amp; IL-1-up &amp; JAK-ST</b>	<b>RUNX1-CREBBP</b>	<b>[CREBBP &amp; JAK-ST] &amp; [RUNX1 &amp; PML-RARA]</b>	<b>RUNX1-NOTCH1 &amp; d7p12.</b>	<b>FLT3 &amp; RUNX1-1 &amp; NOTCH1 &amp; d7p12.</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{2}{3} \mid \frac{1}{20}$ 0.95 0.67 0.4	$\frac{2}{3} \mid \frac{0}{21}$ 1 1 0.4	$\frac{2}{3} \mid \frac{0}{21}$ 1 1 0.4	$\frac{2}{3} \mid \frac{0}{21}$ 1 1 0.4	$\frac{3}{2} \mid \frac{1}{20}$ 0.95 0.75 0.6	$\frac{3}{2} \mid \frac{0}{21}$ 1 1 0.6	$\frac{4}{1} \mid \frac{1}{20}$ 0.95 0.8 0.8	$\frac{5}{0} \mid \frac{1}{20}$ 0.95 0.83 1

LAML  
 id: 1199 name: Tamoxifen  
 target: ER class: other

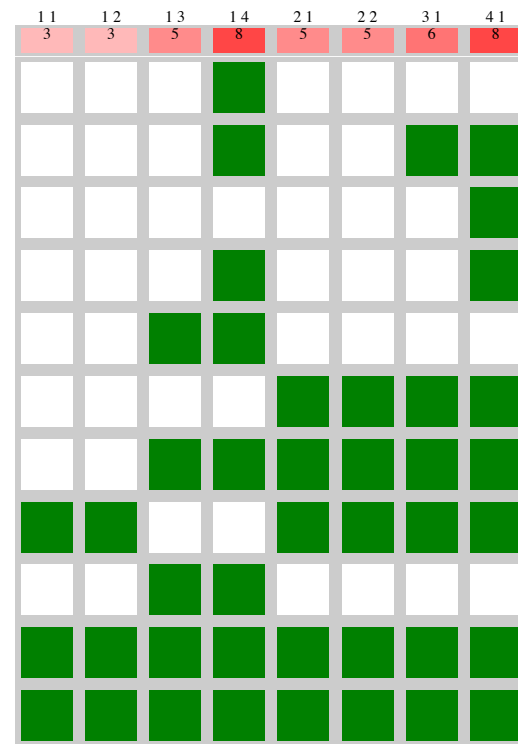
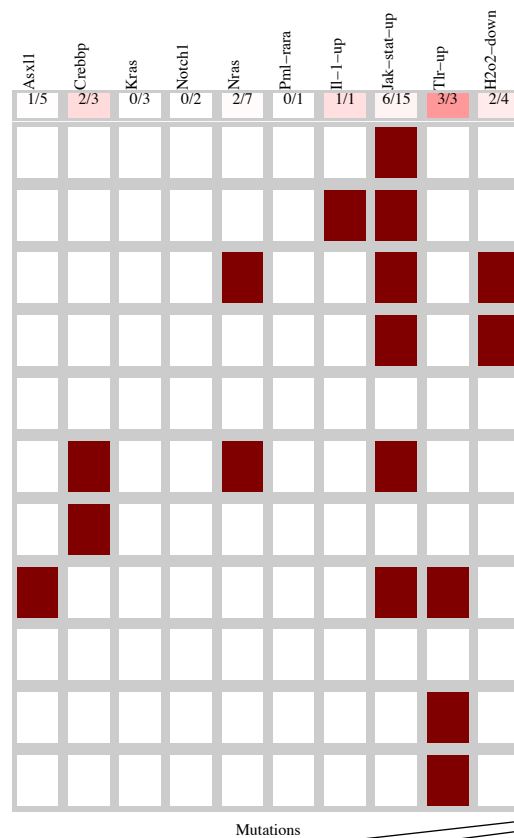
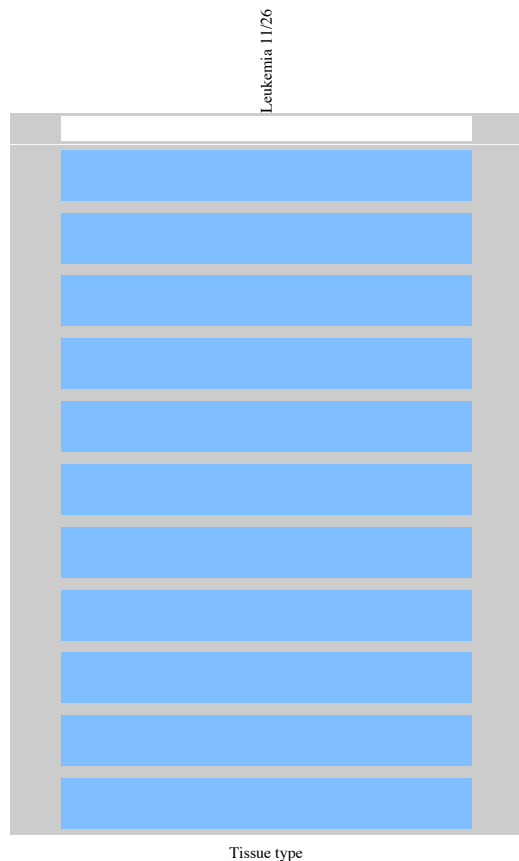
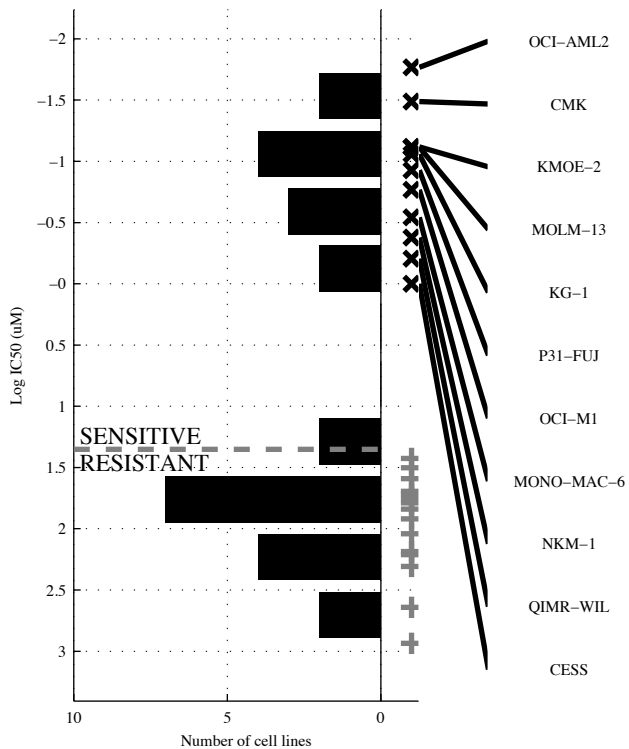
26 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d9p13.</b>	<b>d9p13. &amp;</b>	<b>~NRAS &amp; JAK-ST &amp; ~H2O2-D</b>	<b>~NRAS &amp; ~U2AF1 &amp; JAK-ST &amp; H2O2-D</b>	<b>PML-RA   d9p13.</b>	<b>[ ~NRAS &amp; PML-RA ]   [ d9p13. &amp; JAK-ST ]</b>	<b>PML-RA   d9p13.   IL-1-U</b>	<b>RUNX1-PML-RA   d9p13.   IL-1-U</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{4} \mid \frac{0}{21}$ 1 0.2	$\frac{1}{4} \mid \frac{0}{21}$ 1 0.2	$\frac{4}{1} \mid \frac{4}{17}$ 0.81 0.5 0.8	$\frac{4}{1} \mid \frac{3}{18}$ 0.86 0.57 0.8	$\frac{2}{3} \mid \frac{0}{21}$ 1 0.4	$\frac{2}{3} \mid \frac{0}{21}$ 1 0.4	$\frac{3}{2} \mid \frac{0}{21}$ 1 0.6	$\frac{4}{1} \mid \frac{0}{21}$ 1 0.8

LAML  
 id: 1218 name: JQ1  
 target: BRD2, BRD3, BRD4 class: chromatin other

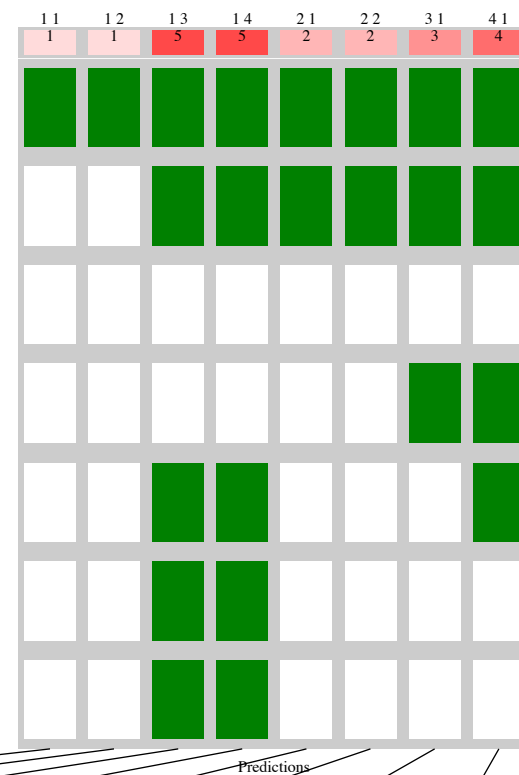
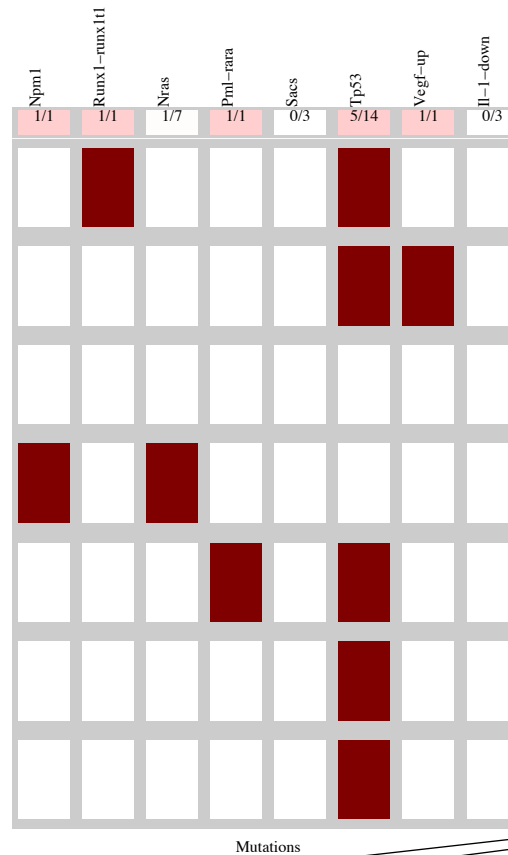
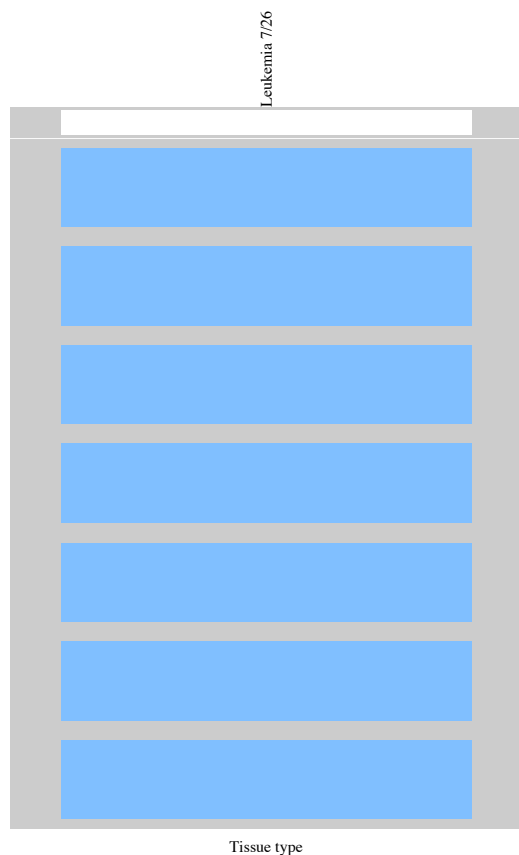
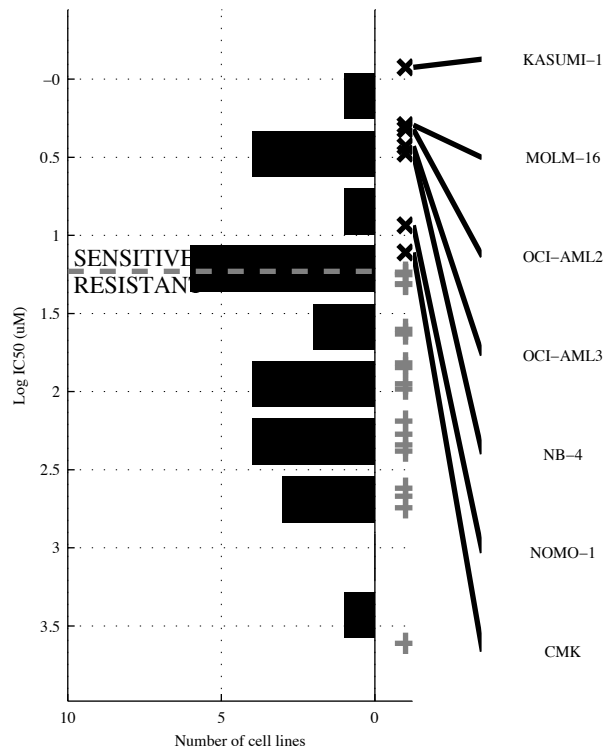
26 cell lines  
 11 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>TLR-UP</b>		<b>TLR-UP &amp;</b>		<b>¬ASXL1 &amp; ¬NRAS &amp;</b>		<b>¬ASXL1 &amp; NOTCH1 &amp;</b>		<b>CREBBP &amp; TLR-UP</b>		<b>[ ¬NRAS &amp; TLR-UP ]</b>		<b>CREBBP &amp; IL-1-U</b>		<b>CREBBP &amp; IL-1-U</b>	
					<b>¬JAK-ST</b>		<b>¬NRAS &amp; PML-RA</b>				<b>[ CREBBP &amp; ¬KRAS ]</b>		<b>TLR-UP</b>		<b>TLR-UP &amp; PH2O2-D</b>	
TP   FP Specificity	3   0	1	3   0	1	5   2	0.87	8   3	0.8	5   1	0.93	5   0	1	6   1	0.93	8   2	0.87
FN   TN Precision	8   15	1	8   15	1	6   13	0.71	3   12	0.73	6   14	0.83	6   15	1	5   14	0.86	3   13	0.8
Recall	0.27		0.27		0.45		0.73		0.45		0.45		0.55		0.73	

LAML  
 id: 1219 name: PFI-1  
 target: BRD2, BRD3, BRD4 class: chromatin other

26 cell lines  
 7 sensitive

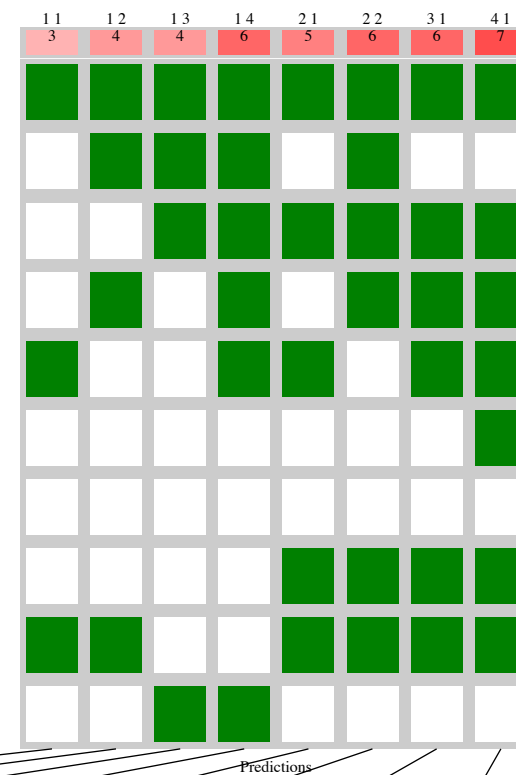
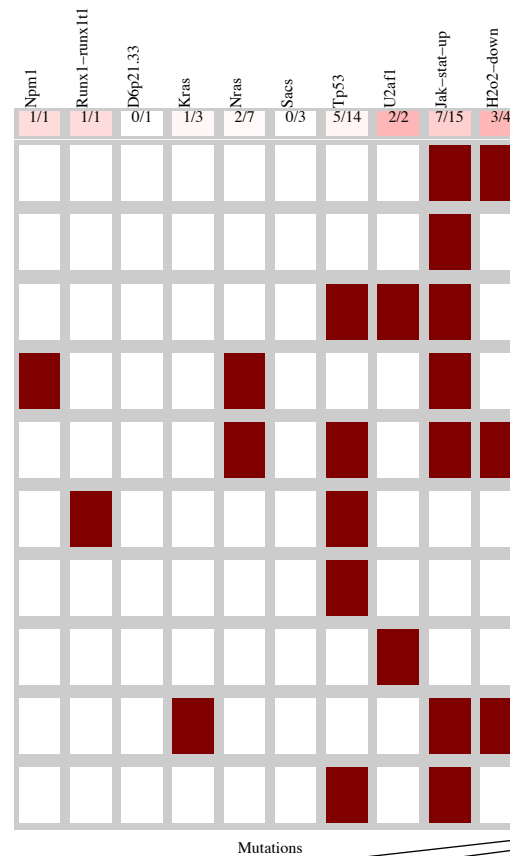
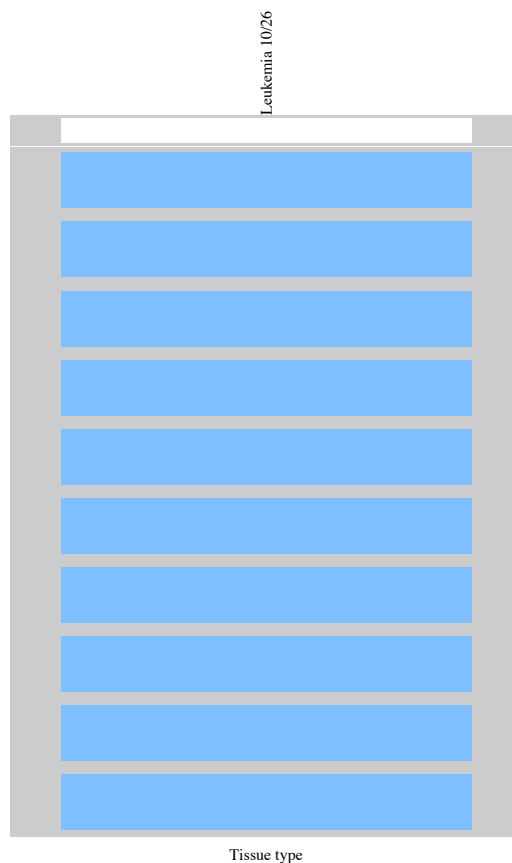
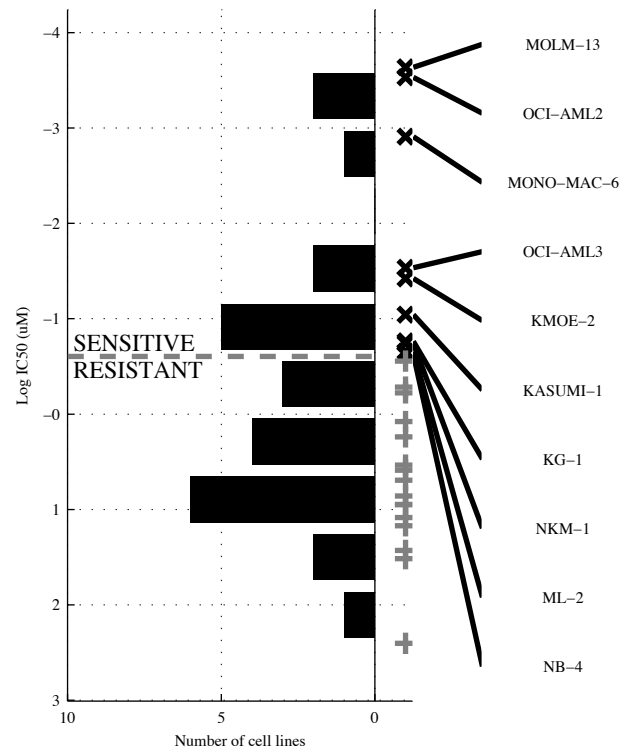


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>RUNX1-</b>	<b>RUNX1-&amp;</b>	<b>-NRAS &amp; TP53 &amp; -IL-1-D</b>	<b>-NRAS &amp; -SACS &amp; TP53 &amp; IL-1-D</b>	<b>RUNX1-VEGF-U</b>	<b>[RUNX1-&amp; ]   [-SACS &amp; VEGF-U]</b>	<b>NPM1   RUNX1-   VEGF-U</b>	<b>NPM1   RUNX1-   PML-RAVEGF-U</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{6} \mid \frac{0}{19}$ 1 0.14	$\frac{1}{6} \mid \frac{0}{19}$ 1 0.14	$\frac{5}{2} \mid \frac{3}{16}$ 0.84 0.63 0.71	$\frac{5}{2} \mid \frac{2}{17}$ 0.89 0.71	$\frac{2}{5} \mid \frac{0}{19}$ 1 0.29	$\frac{2}{5} \mid \frac{0}{19}$ 1 0.29	$\frac{3}{4} \mid \frac{0}{19}$ 1 0.43	$\frac{4}{3} \mid \frac{0}{19}$ 1 0.57



LAML  
 id: 1242 name: (5Z)-7-Oxozeaenol  
 target: MAP3K7 (TAK1) class: other

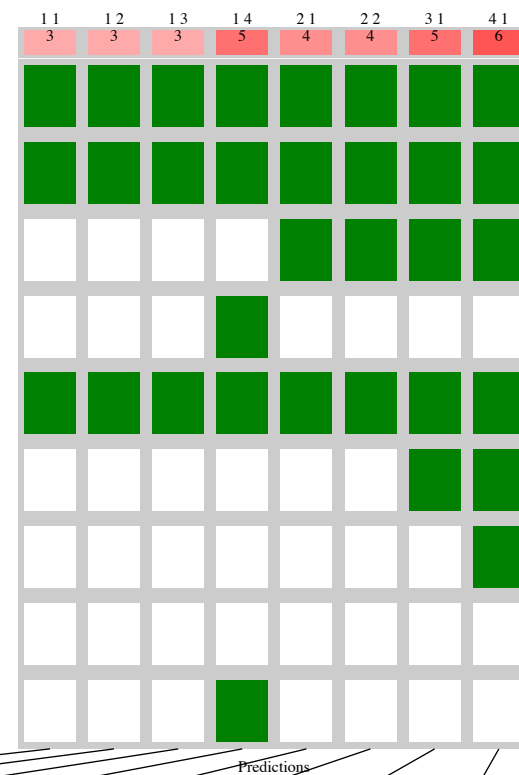
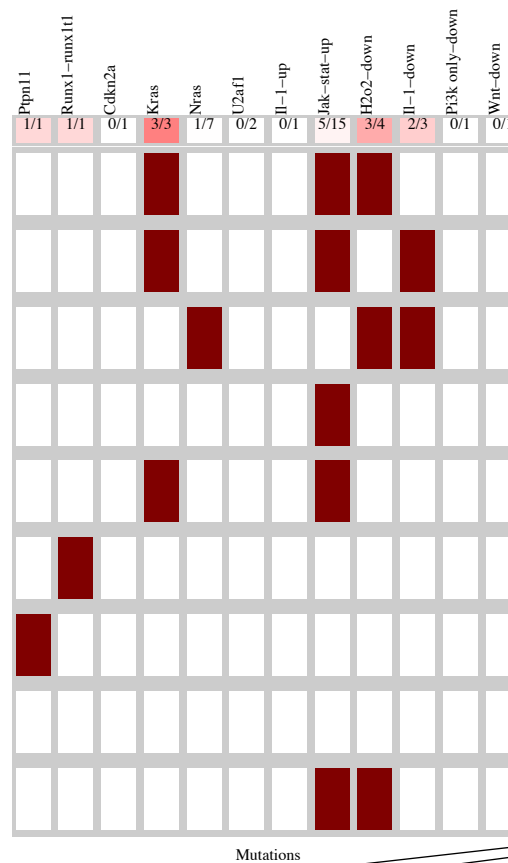
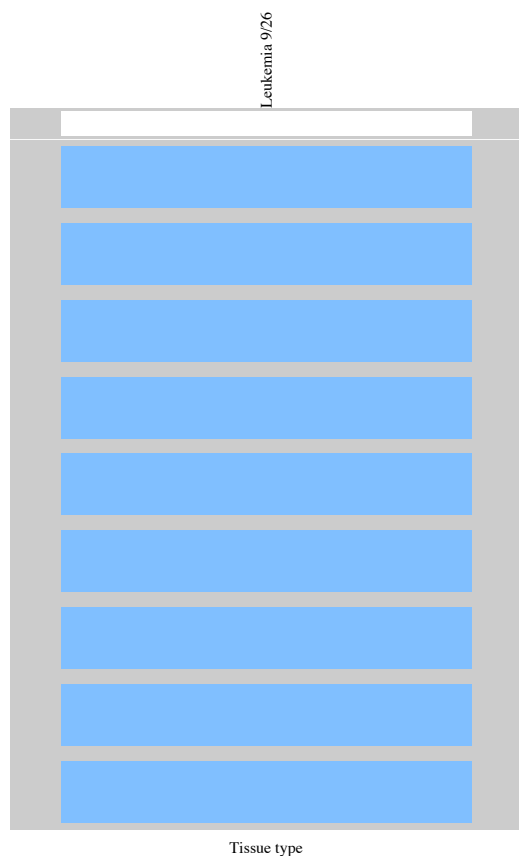
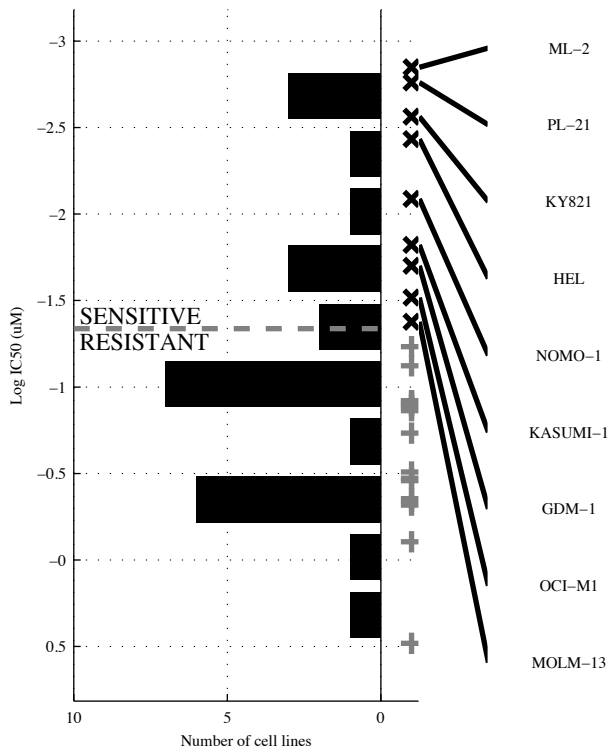
26 cell lines  
 10 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>H2O2-D</b>	<b>-TP53 &amp; JAK-ST</b>	<b>-KRAS &amp; -NRAS &amp; JAK-ST</b>	<b>-d6p21 &amp; -KRAS &amp; -SACS &amp; JAK-ST</b>	<b>U2AF1   H2O2-D</b>	[ <b>-TP53 &amp; JAK-ST</b> ]   [ <b>U2AF1 &amp;</b> ]	<b>NPM1   U2AF1   H2O2-D</b>	<b>NPM1   RUNX1-1   U2AF1   H2O2-D</b>
TP   FP Specificity	3   1 0.94	4   3 0.81	4   3 0.81	6   3 0.81	5   1 0.94	6   3 0.81	6   1 0.94	7   1 0.94
FN   TN Precision	7   15 0.75	6   13 0.57	6   13 0.57	4   13 0.67	5   15 0.83	4   13 0.67	4   15 0.86	3   15 0.88
Recall	0.3	0.4	0.4	0.6	0.5	0.6	0.6	0.7

LAML  
 id: 1261 name: rTRAIL  
 target: TR10A (DR4), TR10B (DR5) class: apoptosis regulation

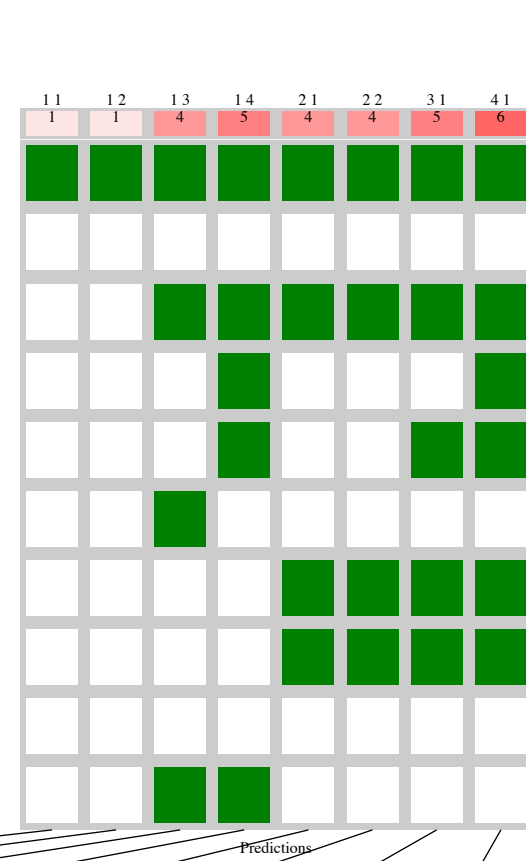
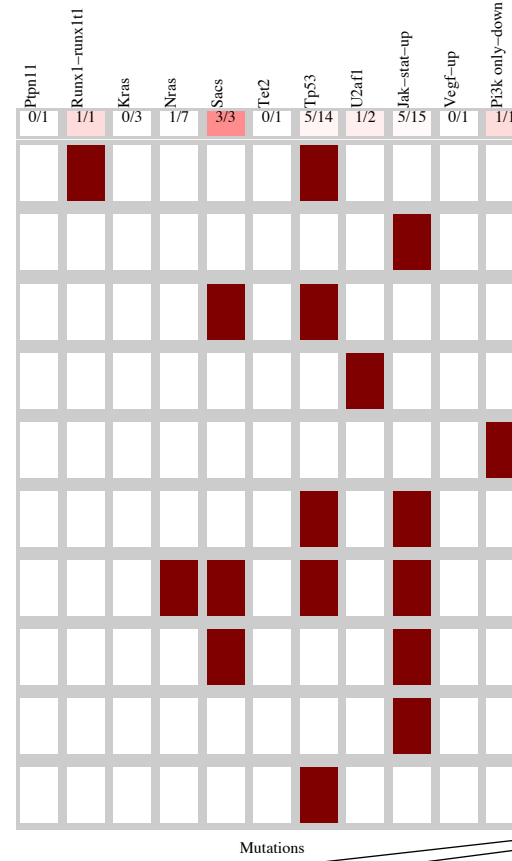
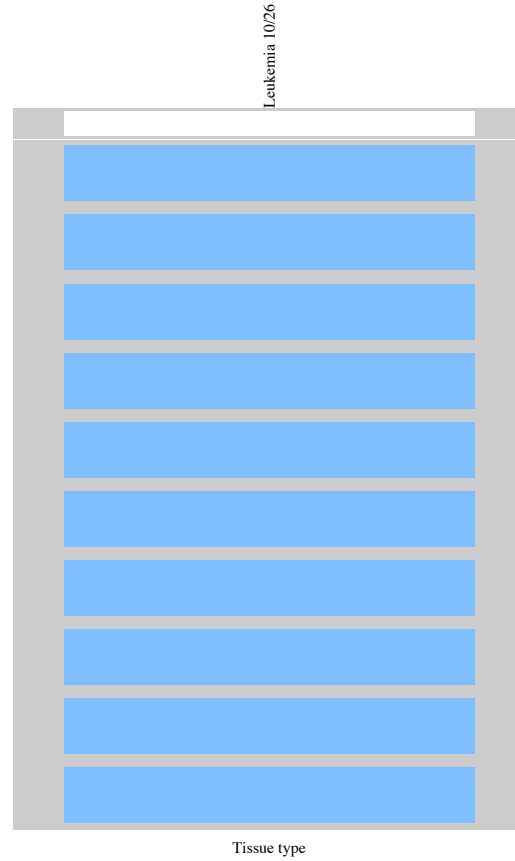
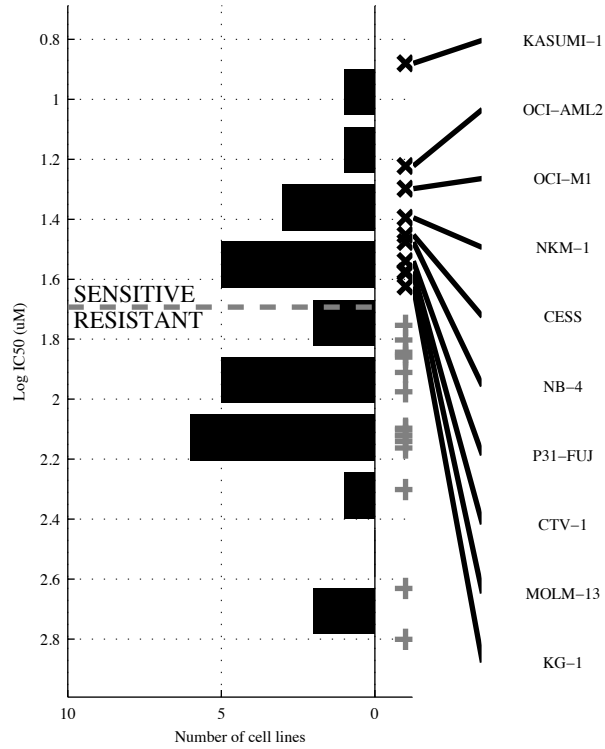
26 cell lines  
 9 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>KRAS</b>	<b>¬CDKN2&amp; KRAS</b>	<b>KRAS &amp; ¬PI3K &amp; ¬Wnt-DO</b>	<b>¬NRAS&amp;¬U2AF1&amp; ¬IL-1-U&amp;JAK-ST</b>	<b>KRAS   IL-1-D</b>	<b>[¬JAK-S&amp;¬H2O2-D]   [ KRAS &amp; ¬NRAS ]</b>	<b>RUNX1-  KRAS   IL-1-D</b>	<b>PTPN11 RUNX1-  KRAS   IL-1-D</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{3}{6} \mid \frac{0}{17}$ 1 0.33	$\frac{3}{6} \mid \frac{0}{17}$ 1 0.33	$\frac{3}{6} \mid \frac{0}{17}$ 1 0.33	$\frac{5}{4} \mid \frac{3}{14}$ 0.82 0.63 0.56	$\frac{4}{5} \mid \frac{1}{16}$ 0.94 0.8 0.44	$\frac{4}{5} \mid \frac{0}{17}$ 1 1 0.44	$\frac{5}{4} \mid \frac{1}{16}$ 0.94 0.83 0.56	$\frac{6}{3} \mid \frac{1}{16}$ 0.94 0.86 0.67

LAML  
 id: 1262 name: UNC1215  
 target: LMBL3 class: other

26 cell lines  
 10 sensitive

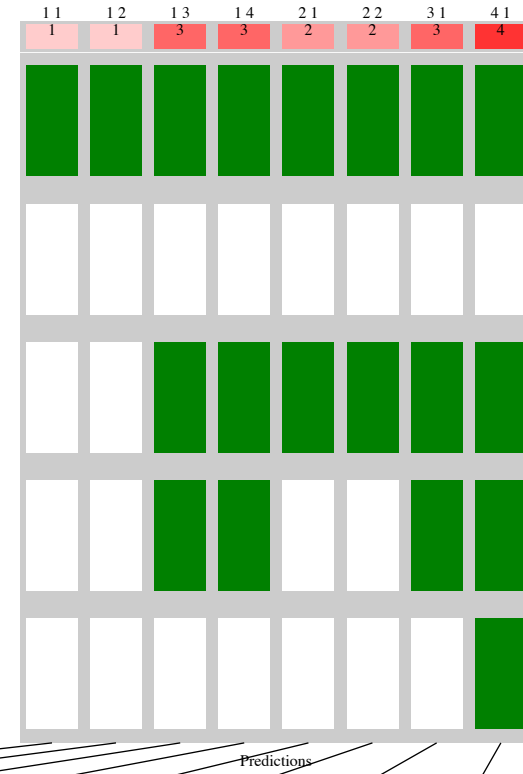
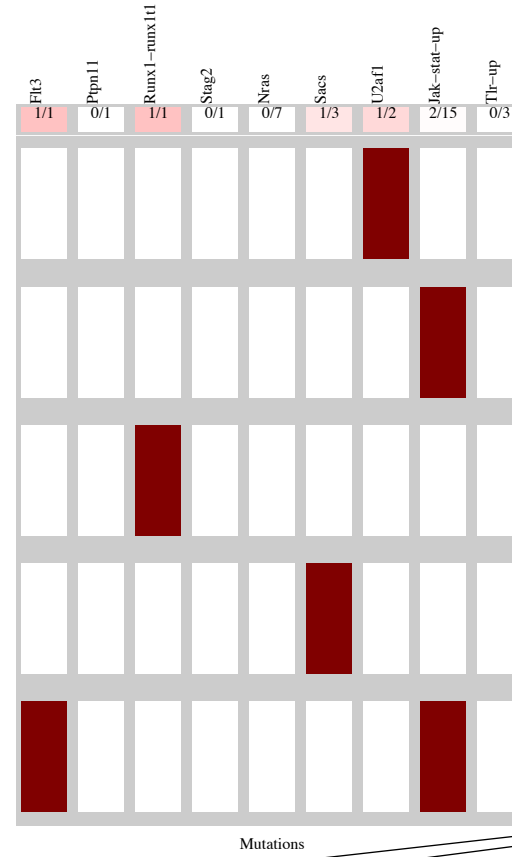
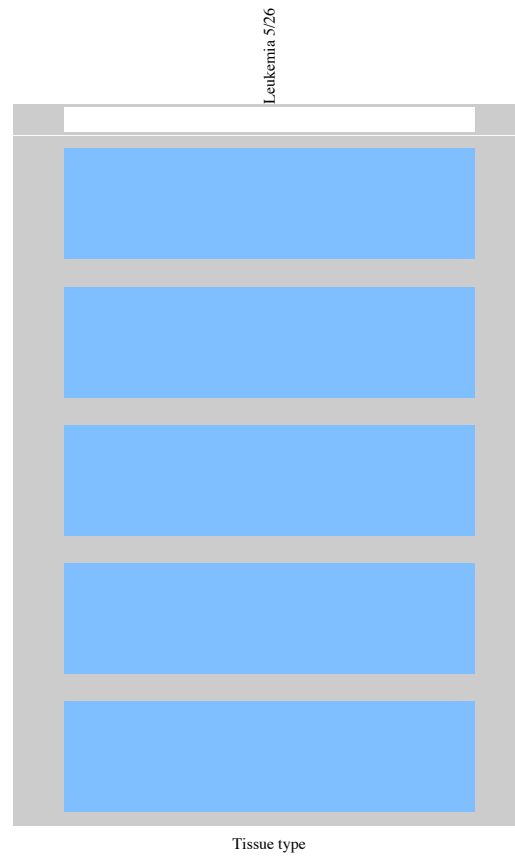
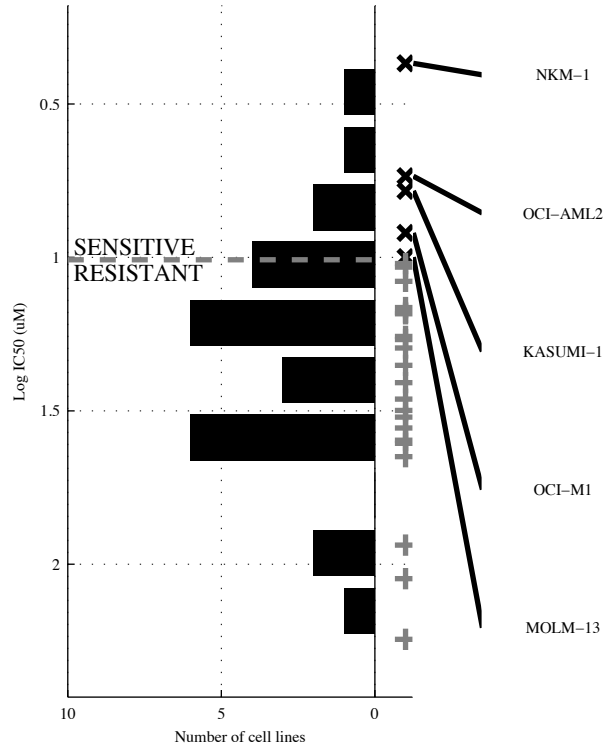


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>RUNX1-</b>	<b>RUNX1-&amp;</b>	<b>-KRAS&amp;-NRAS&amp; TP53</b>	<b>-PTPN1&amp;-NRAS&amp; -TET2&amp;JAK-ST</b>	<b>RUNX1-   SACS</b>	<b>[RUNX1-&amp;-NRAS ]   [ SACS &amp;VEGF-U</b>	<b>RUNX1-   SACS   PI3K o</b>	<b>RUNX1-   SACS   U2AF1   PI3K o</b>
TP   FP FN   TN	1   0 9   16	1   0 9   16	4   3 6   13	5   2 5   14	4   0 6   16	4   0 6   16	5   0 5   16	6   1 4   15
Specificity Precision Recall	1 1 0.1	1 1 0.1	0.81 0.57 0.4	0.88 0.71 0.5	1 1 0.4	1 1 0.4	1 1 0.5	0.94 0.86 0.6



LAML  
 id: 1264 name: SGC0946  
 target: Q8TEK3 (DOT1L) class: chromatin histone methylation

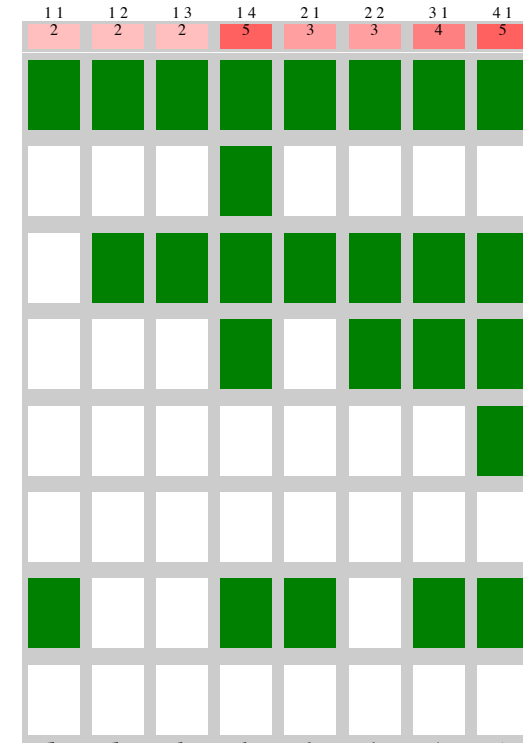
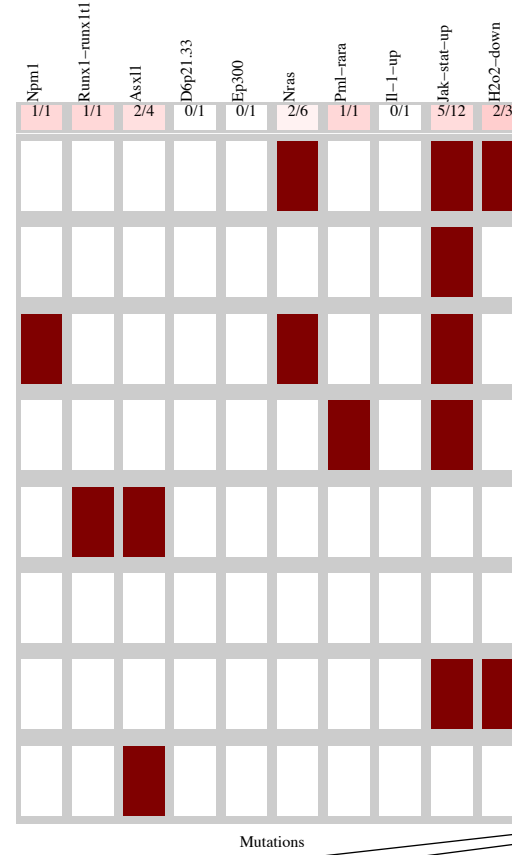
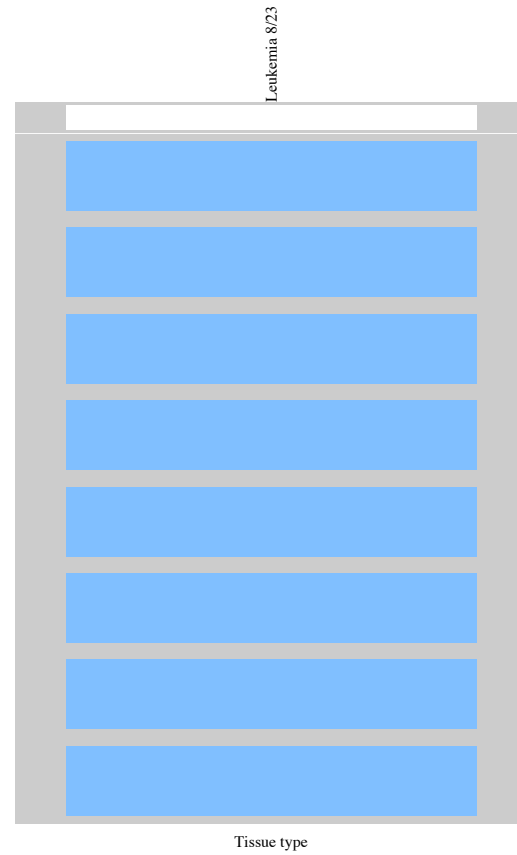
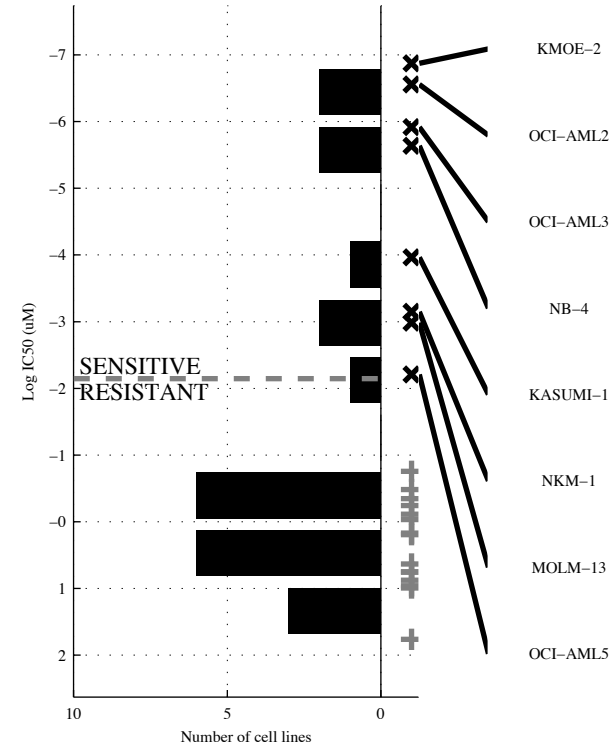
26 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>U2AF1</b>	<b>U2AF1 &amp; TLR-UP</b>	<b>~NRAS &amp; JAK-S &amp; ~TLR-UP</b>	<b>~PTPN1 &amp; ~NRAS &amp; ~JAK-S &amp; TLR-UP</b>	<b>RUNX1-   U2AF1</b>	<b>[RUNX1- &amp; ~STAG2]   [U2AF1 &amp; JAK-ST]</b>	<b>RUNX1-   SACS   U2AF1</b>	<b>FLT3   RUNX1-   SACS   U2AF1</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{4} \mid \frac{1}{20}$ 0.95 0.5 0.2	$\frac{1}{4} \mid \frac{0}{21}$ 1 1 0.2	$\frac{3}{2} \mid \frac{4}{17}$ 0.81 0.43 0.6	$\frac{3}{2} \mid \frac{3}{18}$ 0.86 0.5 0.6	$\frac{2}{3} \mid \frac{1}{20}$ 0.95 0.67 0.4	$\frac{2}{3} \mid \frac{0}{21}$ 1 1 0.4	$\frac{3}{2} \mid \frac{3}{18}$ 0.86 0.5 0.6	$\frac{4}{1} \mid \frac{3}{18}$ 0.86 0.57 0.8

LAML  
 id: 1372 name: Trametinib  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

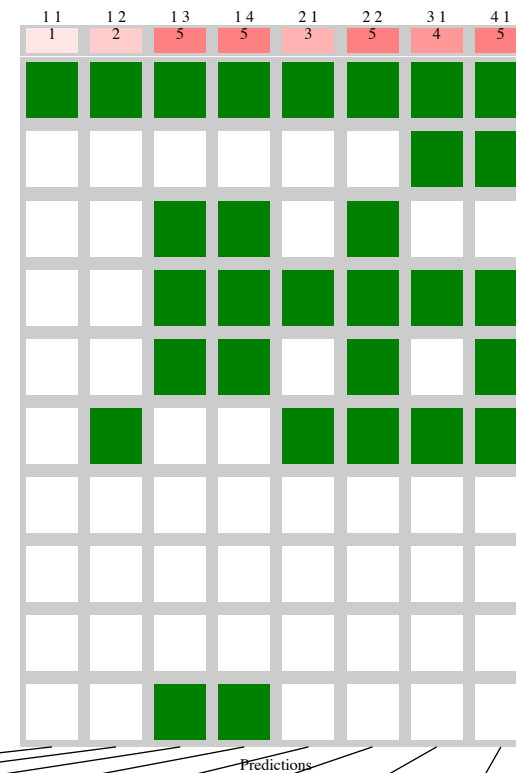
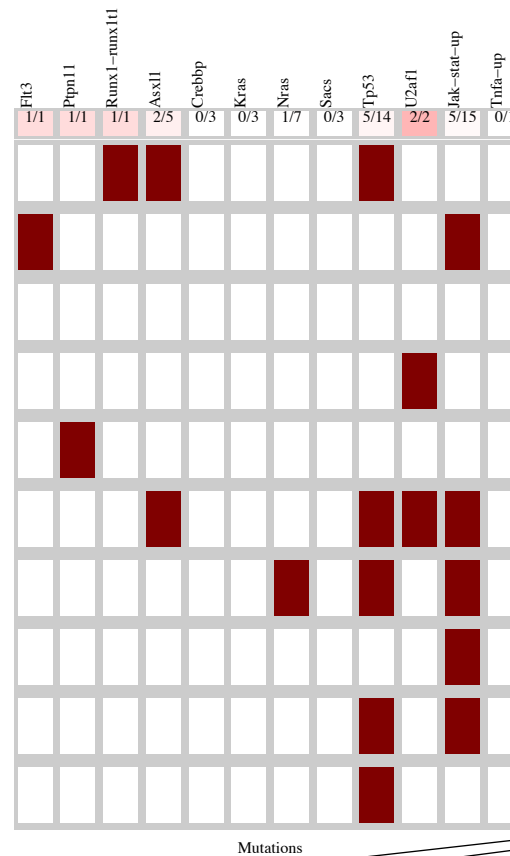
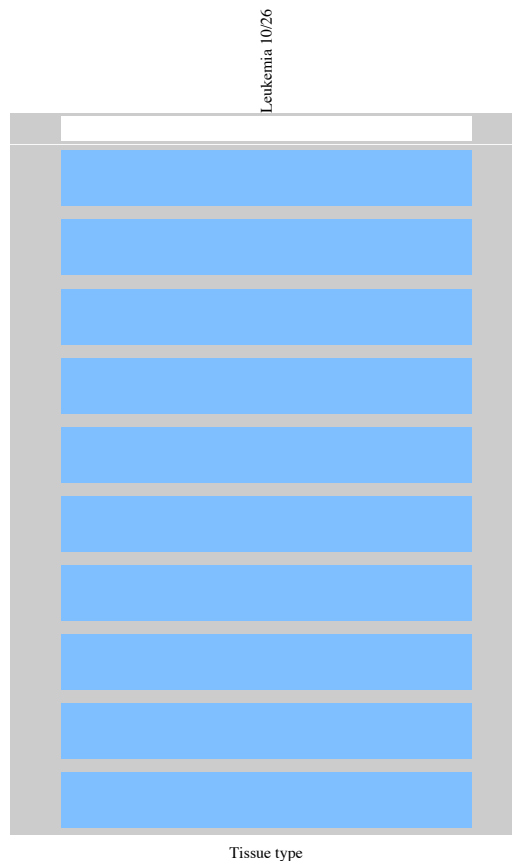
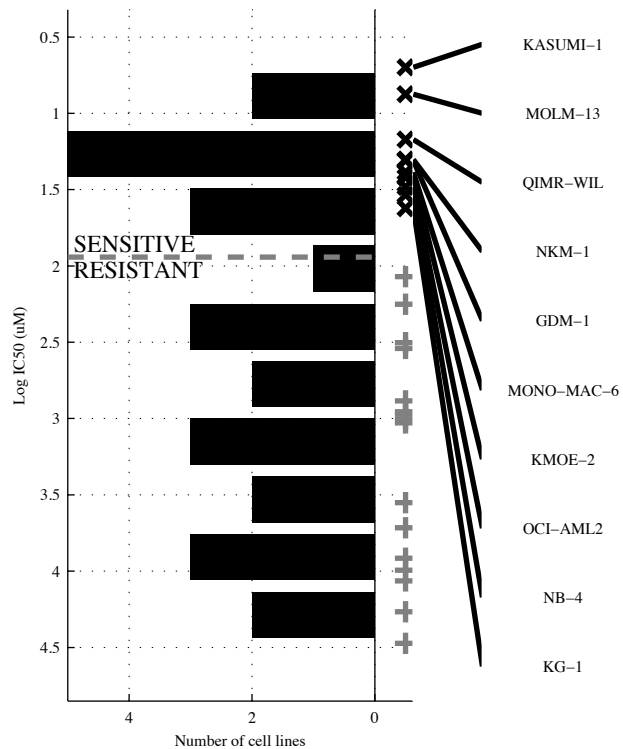
23 cell lines  
 8 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>H2O2-D</b>	<b>NRAS &amp; JAK-ST</b>	<b>-d6p21.&amp; NRAS &amp; JAK-ST</b>	<b>-ASXL1&amp;-EP300&amp; -IL-1-&amp;JAK-ST</b>	<b>NPM1  H2O2-D</b>	<b>[ -ASXL1&amp;PML-RA ]   [ NRAS &amp; JAK-ST ]</b>	<b>NPM1  PML-RA   H2O2-D</b>	<b>NPM1  RUNX1-   PML-RA H2O2-D</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{2}{6} \mid \frac{1}{14}$ 0.93 0.67 0.25	$\frac{2}{6} \mid \frac{2}{13}$ 0.87 0.5 0.25	$\frac{2}{6} \mid \frac{1}{14}$ 0.93 0.67 0.25	$\frac{5}{3} \mid \frac{3}{12}$ 0.8 0.63 0.63	$\frac{3}{5} \mid \frac{1}{14}$ 0.93 0.75 0.38	$\frac{3}{5} \mid \frac{2}{13}$ 0.87 0.6 0.38	$\frac{4}{4} \mid \frac{1}{14}$ 0.93 0.8 0.5	$\frac{5}{3} \mid \frac{1}{14}$ 0.93 0.83 0.63

LAML  
 id: 1373 name: Dabrafenib  
 target: BRAF class: ERK MAPK signaling

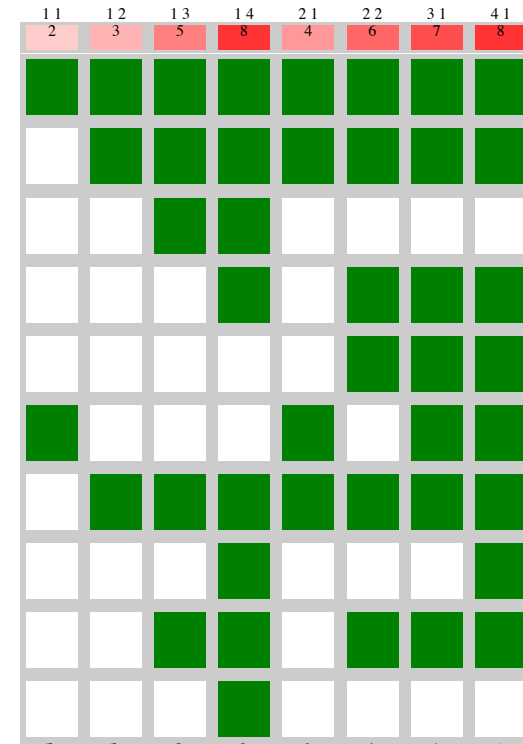
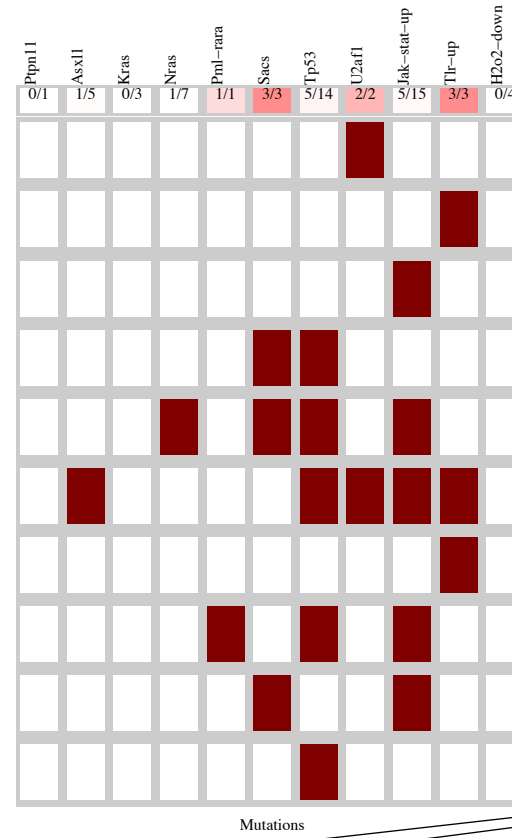
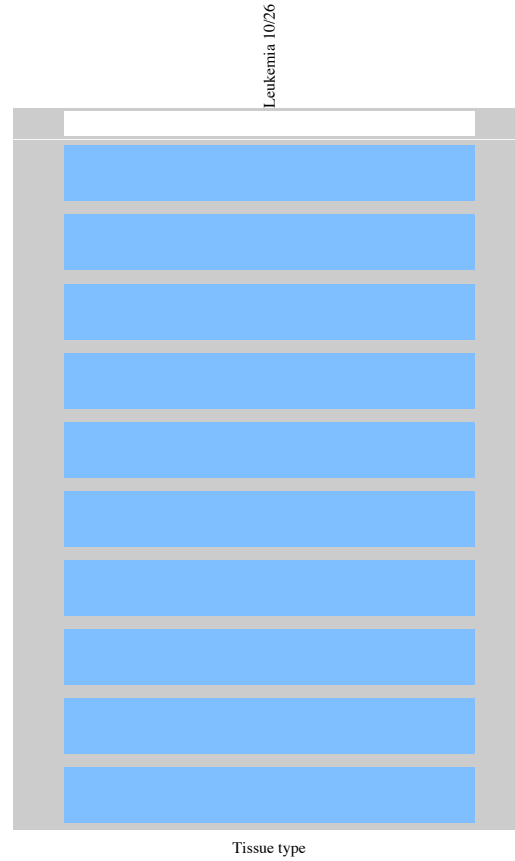
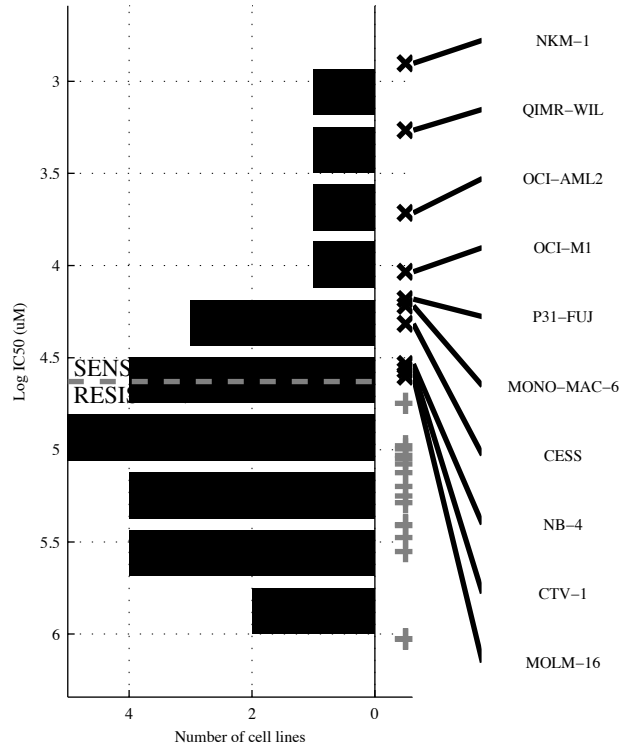
26 cell lines  
 10 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>RUNX1-</b>	<b>ASXL1&amp;-KRAS</b>	<b>-CREBB&amp;-NRAS&amp;-JAK-ST</b>	<b>-NRAS&amp;-SACS&amp;-JAK-ST&amp;TNFa-U</b>	<b>RUNX1-  U2AF1</b>	<b>[ ASXL1&amp;-KRAS ]   [ -TP53 &amp;JAK-ST ]</b>	<b>FLT3  RUNX1-  U2AF1</b>	<b>FLT3  PTPN11  RUNX1-  U2AF1</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{9} \mid \frac{0}{16}$ 1 0.1	$\frac{2}{8} \mid \frac{1}{15}$ 0.94 0.67 0.2	$\frac{5}{5} \mid \frac{3}{13}$ 0.81 0.63 0.5	$\frac{5}{5} \mid \frac{2}{14}$ 0.88 0.71 0.5	$\frac{3}{7} \mid \frac{0}{16}$ 1 1 0.3	$\frac{5}{5} \mid \frac{2}{14}$ 0.88 0.71 0.5	$\frac{4}{6} \mid \frac{0}{16}$ 1 1 0.4	$\frac{5}{5} \mid \frac{0}{16}$ 1 1 0.5

LAML  
 id: 1375 name: Temozolomide  
 target: DNA alkylating agent class: DNA replication

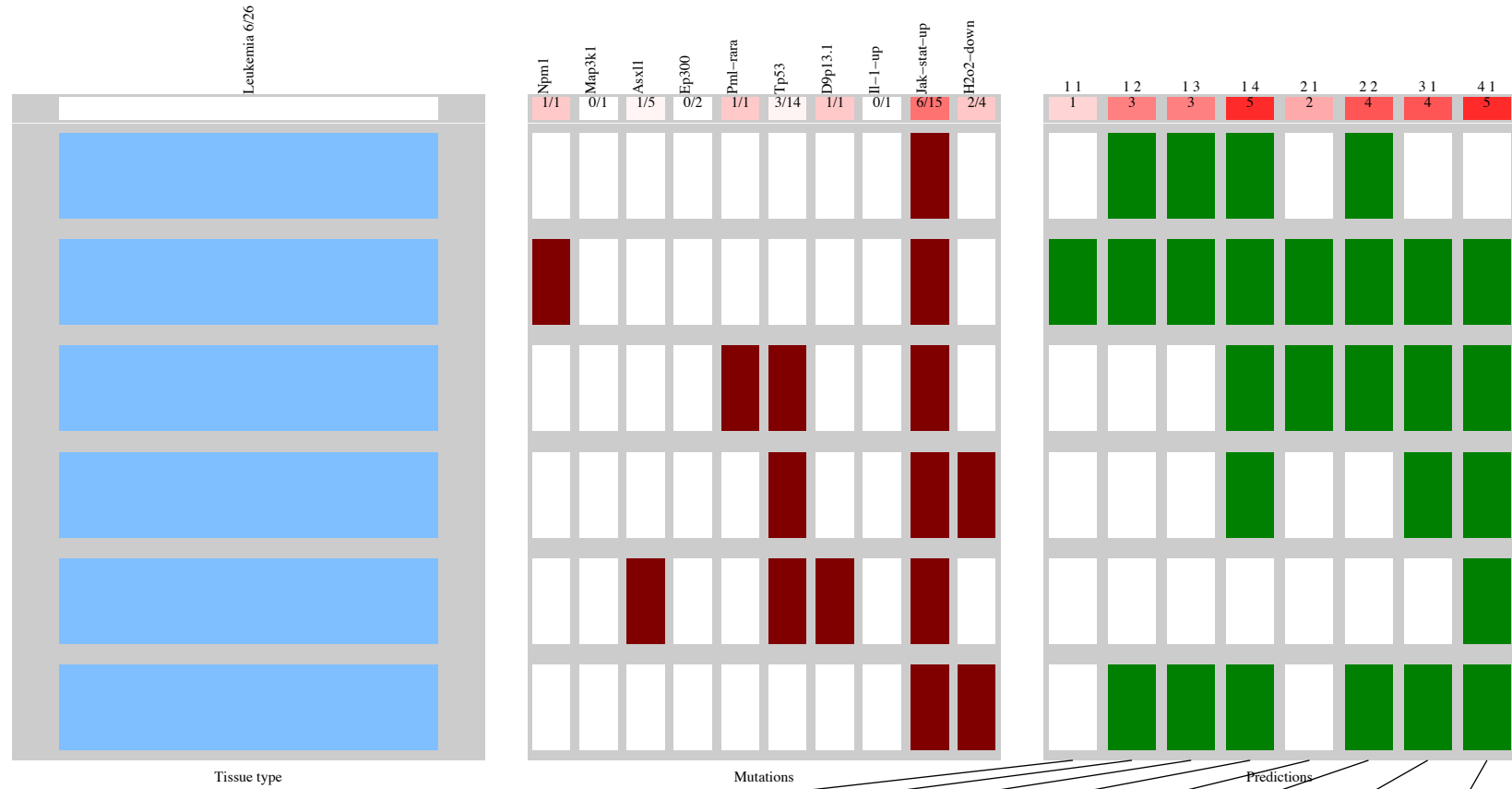
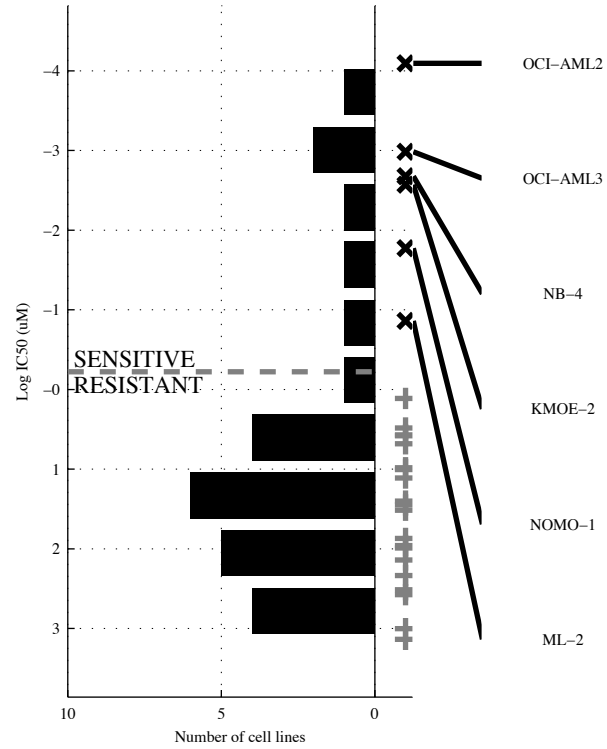
26 cell lines  
 10 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>U2AF1</b>	<b>¬TP53 &amp; JAK-ST</b>	<b>¬NRAS &amp; ¬TP53 &amp; ¬H2O2-D</b>	<b>¬PTPN1 &amp; ¬ASXL1 &amp; ¬NRAS &amp; H2O2-D</b>	<b>U2AF1   TLR-UP</b>	<b>[ ¬KRAS &amp; SACS ]   [ ¬TP53 &amp; JAK-ST ]</b>	<b>SACS   U2AF1   TLR-UP</b>	<b>PML-RA   SACS   U2AF1   TLR-UP</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{2}{8} \mid \frac{0}{16}$ 1 0.2	$\frac{3}{7} \mid \frac{2}{14}$ 0.88 0.6 0.3	$\frac{5}{5} \mid \frac{3}{13}$ 0.81 0.63 0.5	$\frac{8}{2} \mid \frac{3}{13}$ 0.81 0.73 0.8	$\frac{4}{6} \mid \frac{0}{16}$ 1 1 0.4	$\frac{6}{4} \mid \frac{2}{14}$ 0.88 0.75 0.6	$\frac{7}{3} \mid \frac{0}{16}$ 1 1 0.7	$\frac{8}{2} \mid \frac{0}{16}$ 1 1 0.8

LAML  
 id: 1498 name: AZD6244  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

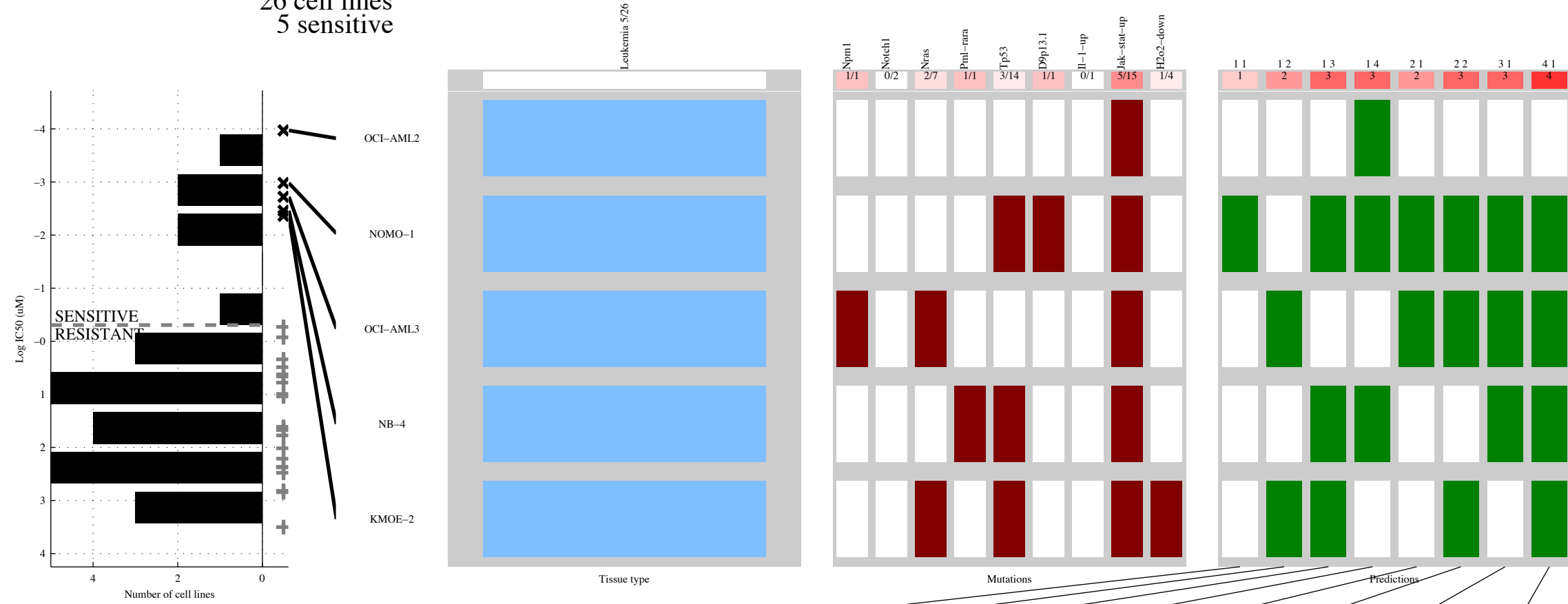
26 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>NPM1</b>	<b>-TP53 &amp; JAK-ST</b>	<b>-EP300 &amp; -TP53 &amp; JAK-ST</b>	<b>-ASXL1 &amp; -EP300 &amp; -IL-1-U &amp; JAK-ST</b>	<b>NPM1 PML-RA</b>	<b>[ -TP53 &amp; JAK-ST ]   [ MAP3K1 &amp; PML-RA ]</b>	<b>NPM1 PML-RA H2O2-D</b>	<b>NPM1 PML-RA d9p13. H2O2-D</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{5} \mid \frac{0}{20}$ 1 0.17	$\frac{3}{3} \mid \frac{4}{16}$ 0.8 0.43 0.5	$\frac{3}{3} \mid \frac{3}{17}$ 0.85 0.5 0.5	$\frac{5}{1} \mid \frac{4}{16}$ 0.8 0.56 0.83	$\frac{2}{4} \mid \frac{0}{20}$ 1 0.33	$\frac{4}{2} \mid \frac{4}{16}$ 0.8 0.5 0.67	$\frac{4}{2} \mid \frac{2}{18}$ 0.9 0.67 0.67	$\frac{5}{1} \mid \frac{2}{18}$ 0.9 0.71 0.83

LAML  
 id: 1526 name: RDEA119 (rescreen)  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

26 cell lines  
 5 sensitive

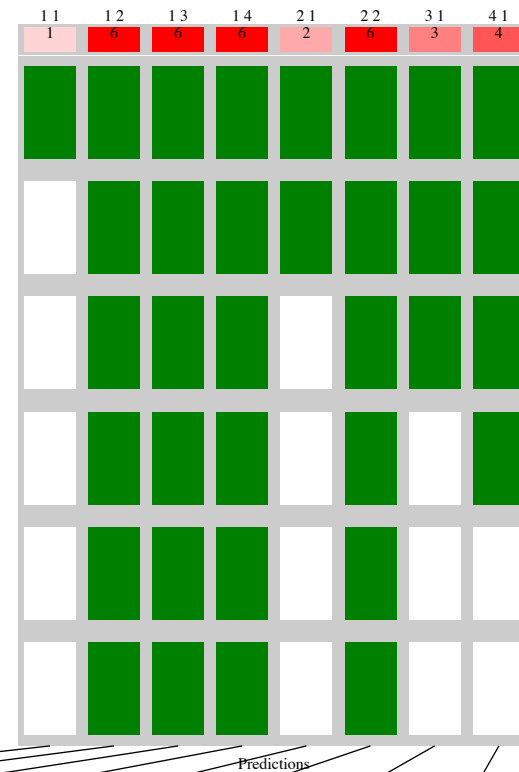
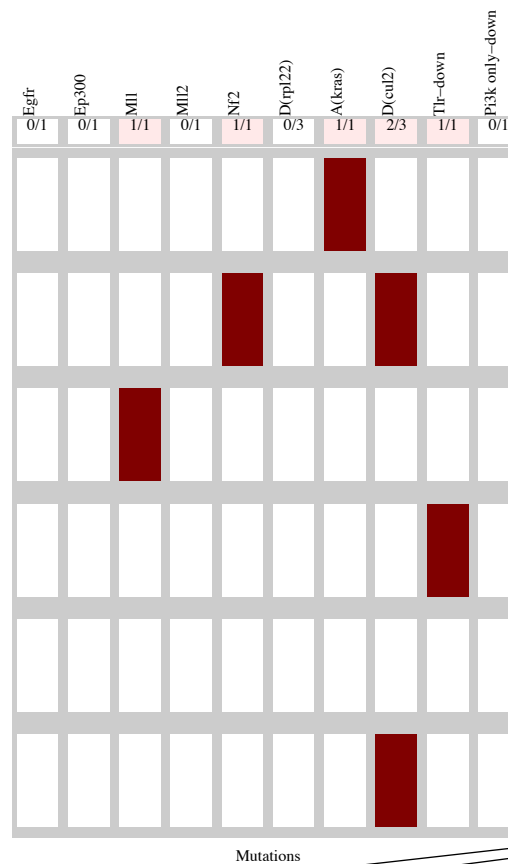
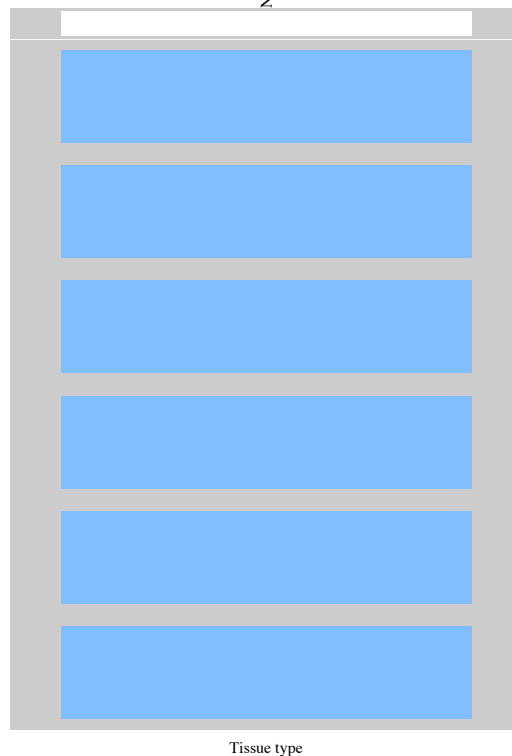
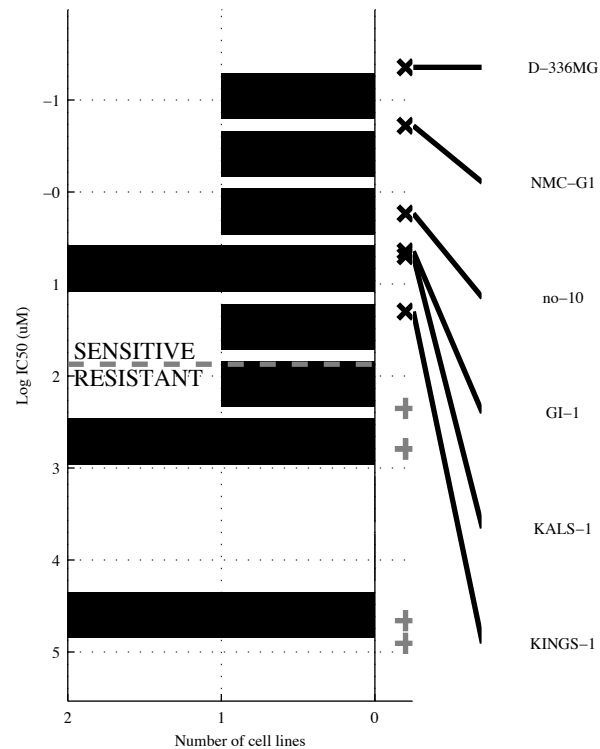


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d9p13.</b>	<b>NRAS &amp; JAK-ST</b>	<b>TP53 &amp; IL-1-U &amp; JAK-ST</b>	<b>-NOTCH1 &amp; NRAS &amp; IL-1-U &amp; JAK-ST</b>	<b>NPM1   d9p13.</b>	<b>[ NRAS &amp; JAK-ST ]   [ d9p13. &amp; JAK-ST ]</b>	<b>NPM1 PML-RA   d9p13.</b>	<b>NPM1 PML-RA   d9p13. IH2O2-D</b>
TP   FP Specificity	1   0 1	2   3 0.86	3   4 0.81	3   4 0.81	2   0 1	3   3 0.86	3   0 1	4   3 0.86
FN   TN Precision	4   21 0.2	3   18 0.4	2   17 0.43	2   17 0.43	3   21 0.4	2   18 0.5	2   21 0.6	1   18 0.57
Recall		0.4	0.6	0.6		0.6	0.6	0.8

LGG  
 id: 55 name: A-770041  
 target: SRC family class: other

11 cell lines  
 6 sensitive

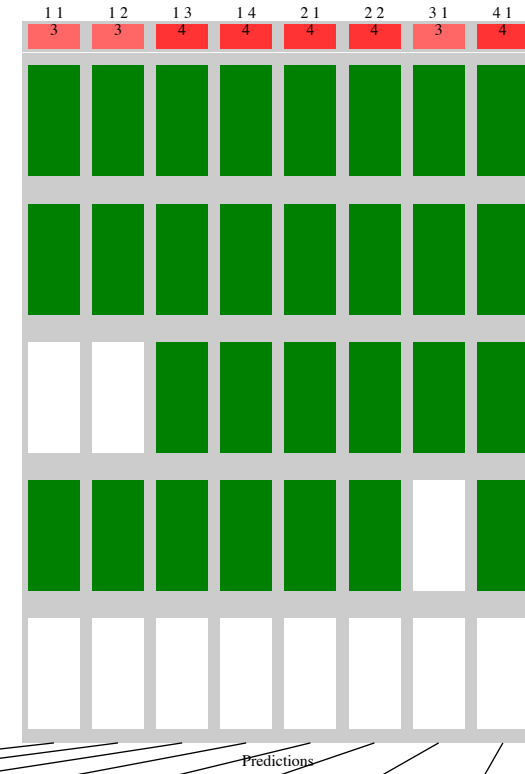
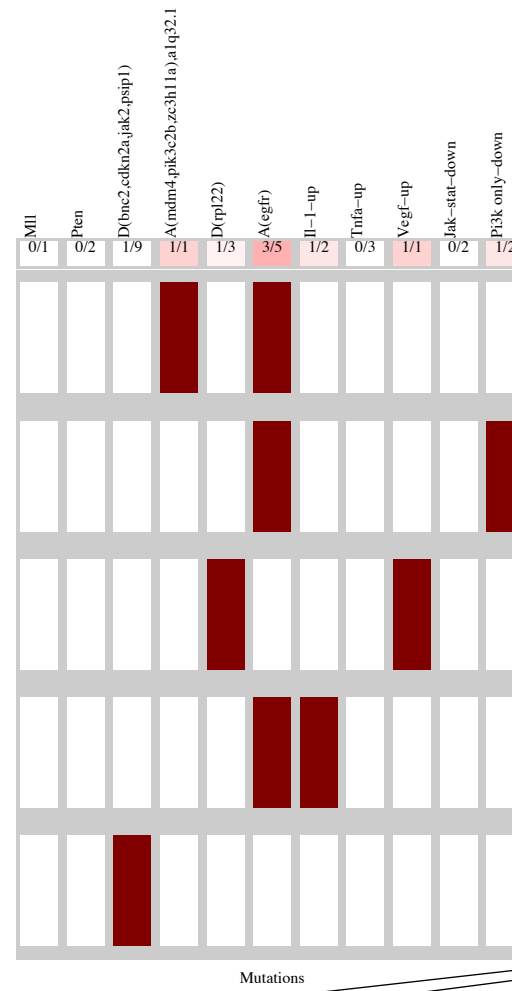
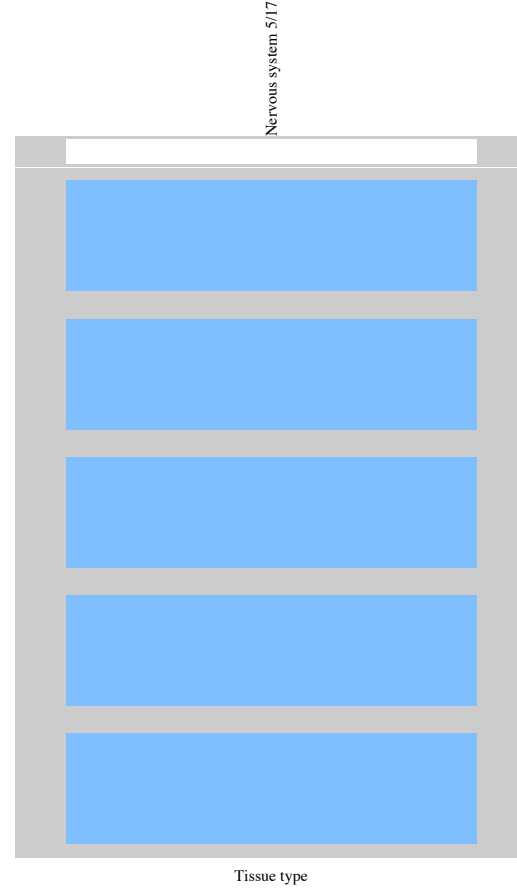
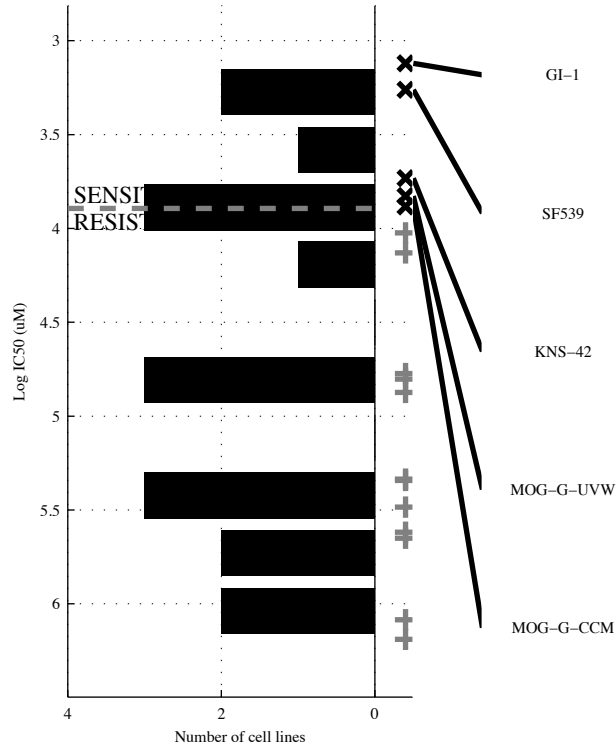
Nervous system 6/11



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a(KRAS)</b>	<b>¬EP300&amp;d(RPL2)</b>	<b>¬EP300&amp;d(RPL&amp;</b> <b>¬PI3K o</b>	<b>¬EP300&amp;d(RPL&amp;</b> <b>¬PI3K o&amp;</b>	<b>NF2   a(KRAS)</b>	<b>[ ¬EGFR&amp;d(CUL2) ]</b> <b> </b> <b>[ ¬MLL2&amp;d(RPL2) ]</b>	<b>MLL   NF2  </b> <b>a(KRAS)</b>	<b>MLL   NF2  </b> <b>a(KRAS)TLR-DO</b>
TP   FP	1   0	6   1	6   0	6   0	2   0	6   1	3   0	4   0
FN   TN	5   5	0   4	0   5	0   5	4   5	0   4	3   5	2   5
Specificity	1	0.8	1	1	1	0.8	1	1
Precision	1	0.86	1	1	1	0.86	1	1
Recall	0.17	1	1	1	0.33	1	0.5	0.67

LGG  
 id: 265 name: Tubastatin A  
 target: HDAC6 class: chromain histone acetylation

17 cell lines  
 5 sensitive

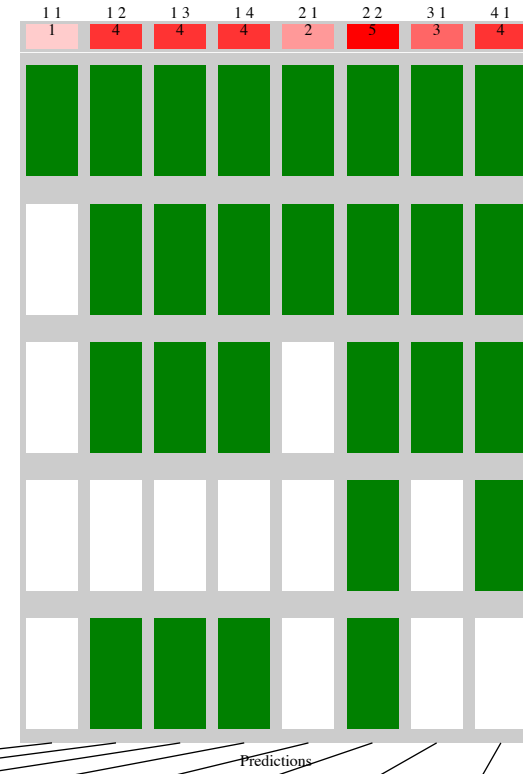
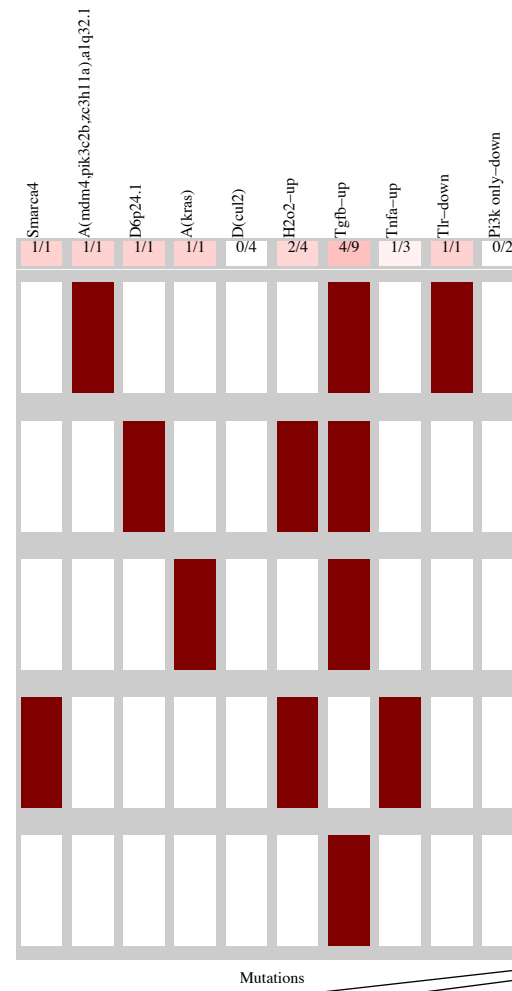
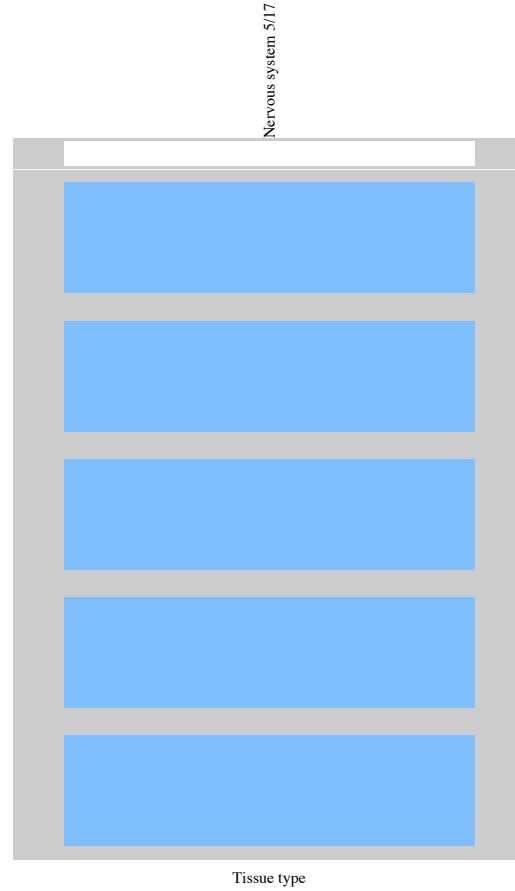
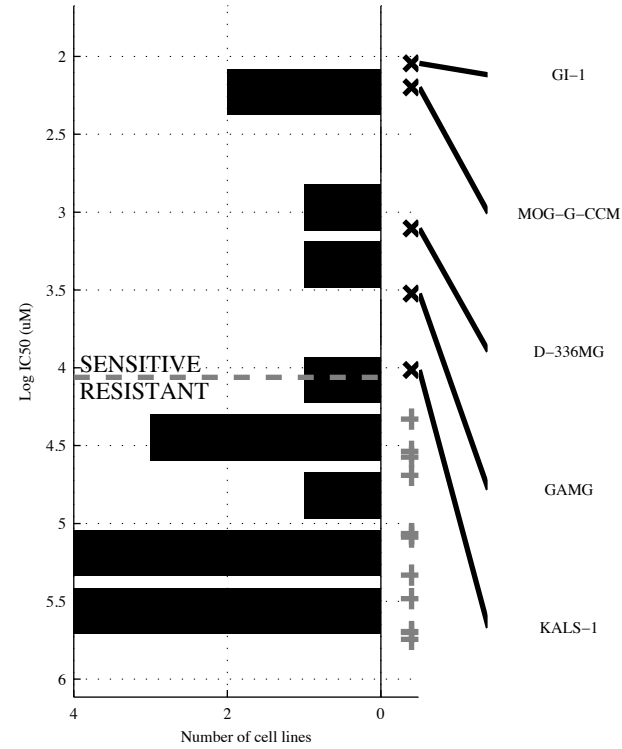


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a(EGFR)</b>	<b>¬PTEN&amp;a(EGFR)</b>	<b>¬MLL &amp;d(BNC&amp;JAK-ST)</b>	<b>¬MLL &amp;¬PTEN&amp;d(BNC&amp;JAK-ST)</b>	<b>a(EGFR VEGF-U)</b>	<b>[¬d(BNC&amp;d(RPL2)]   [a(EGFR&amp;TNF-a-U]</b>	<b>a(MDM4 VEGF-U)   PI3K o</b>	<b>a(MDM4  IL-1-U   VEGF-U   PI3K o</b>
TP   FP	3   2	3   1	4   1	4   0	4   2	4   1	3   1	4   2
Specificity	0.83	0.92	0.92	1	0.83	0.92	0.92	0.83
FN   TN	2   10	2   11	1   11	1   12	1   10	1   11	2   11	1   10
Precision	0.6	0.75	0.8	1	0.67	0.8	0.75	0.67
Recall	0.6	0.6	0.8	0.8	0.8	0.8	0.6	0.8



LGG  
 id: 309 name: Y-39983  
 target: ROCK class: cytoskeleton

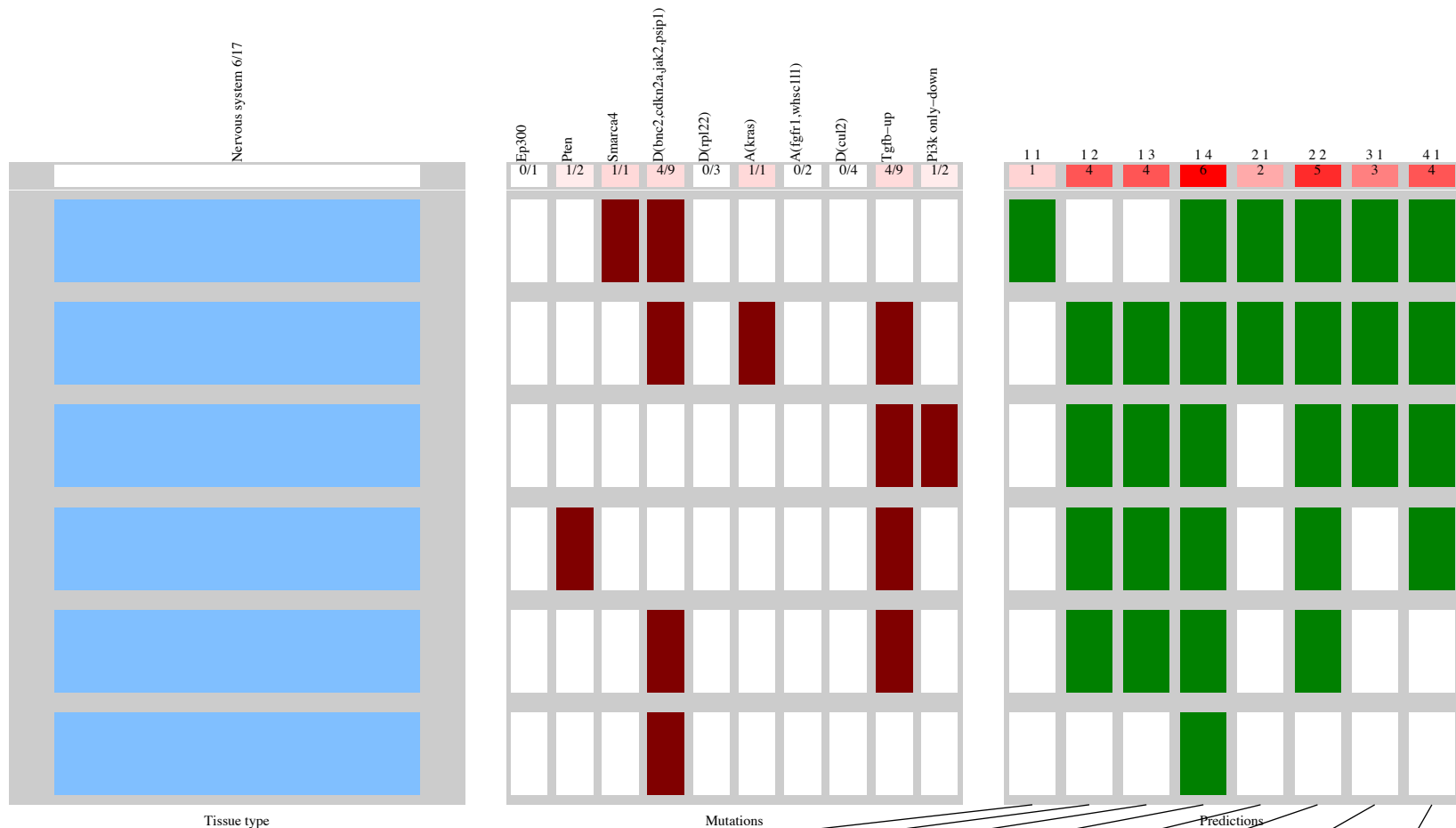
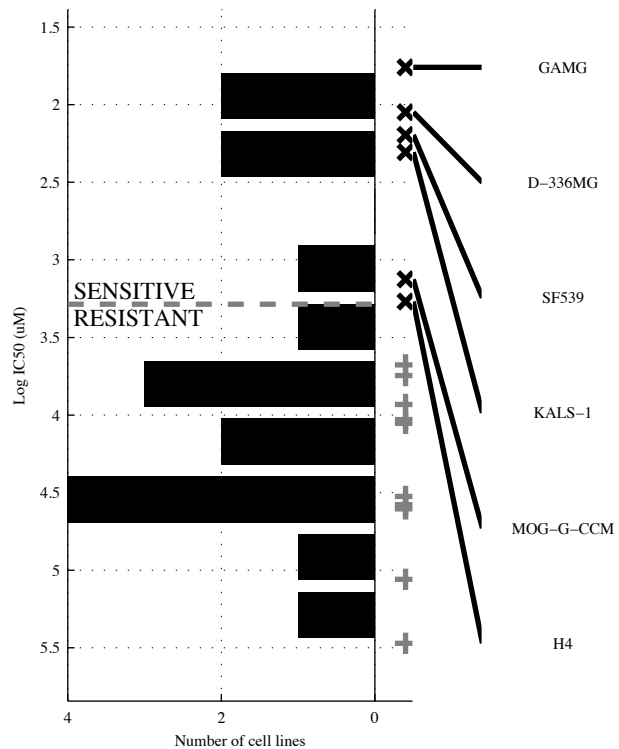
17 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>TLR-DO</b>	<del>-d(CUL2)</del> & <del>TGFb-U</del>	<del>-d(CUL2)</del> & <del>TGFb-U</del> & <del>TNFa-U</del>	<del>-d(CUL2)</del> & <del>TGFb-U</del> & <del>TNFa-U</del> & <del>PI3K o</del>	<b>a(MDM4)</b>   <b>d6p24.</b>	<del>-d(CUL2)</del> & <del>TGFb-U</del>     <b>[H2O2-U &amp; TGFb-U]</b>	<b>a(MDM4)</b>   <b>d6p24.</b>   <b>a(KRAS)</b>	<b>SMARCA4</b>   <b>a(MDM4)</b>   <b>d6p24.</b>   <b>a(KRAS)</b>
TP   FP	1   0	4   2	4   1	4   0	2   0	5   2	3   0	4   0
Specificity	1	0.83	0.92	1	1	0.83	1	1
FN   TN	4   12	1   10	1   11	1   12	3   12	0   10	2   12	1   12
Precision	1	0.67	0.8	1	1	0.71	1	1
Recall	0.2	0.8	0.8	0.8	0.4	1	0.6	0.8

LGG  
 id: 326 name: GSK690693  
 target: AKT class: PI3K signaling

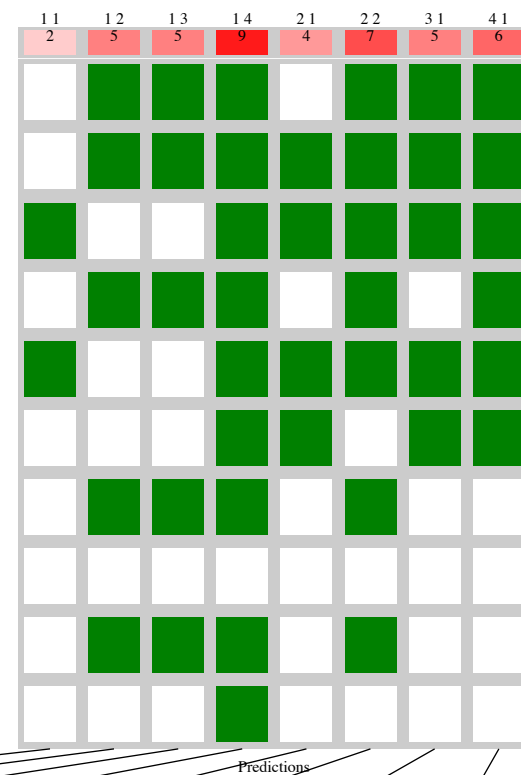
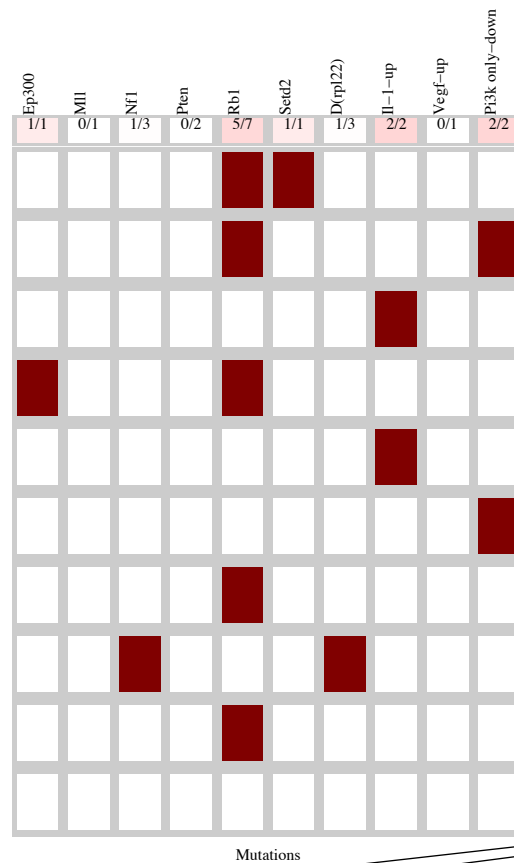
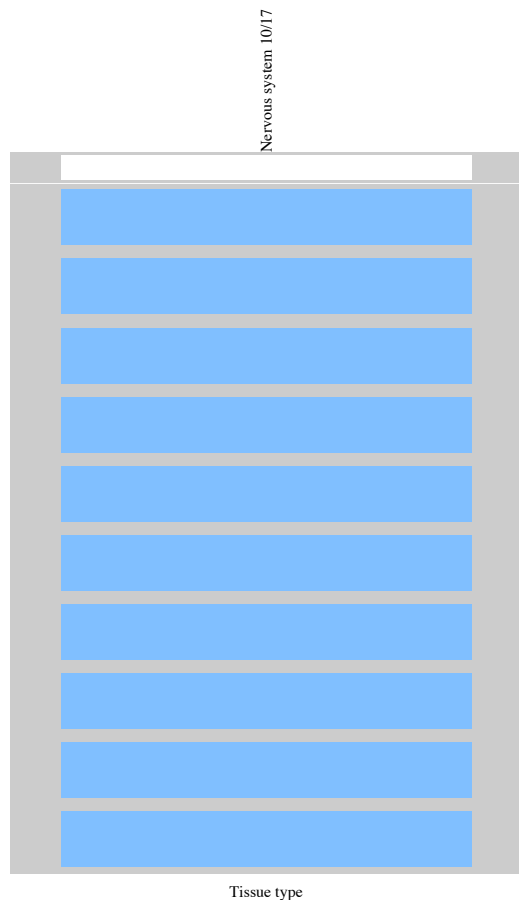
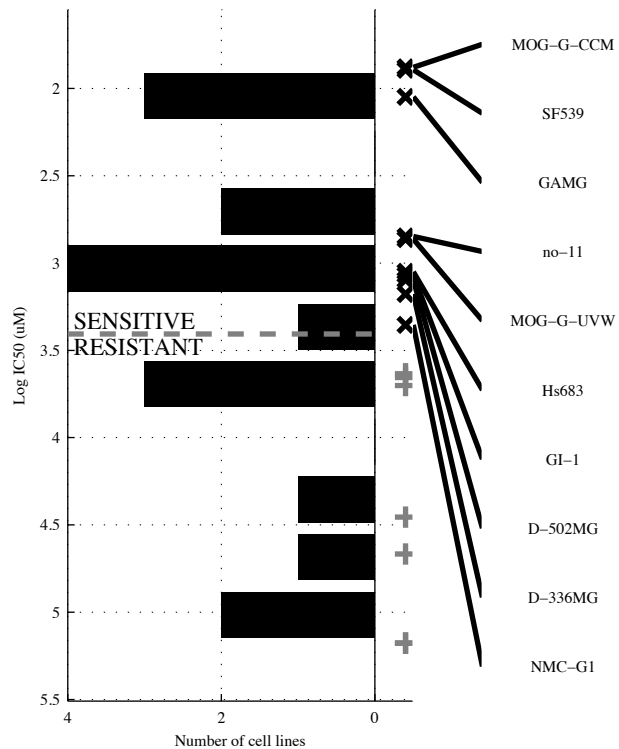
17 cell lines  
 6 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>SMARCA</b>		<b>-d(CUL2)&amp;TGFB-U</b>		<b>-a(FGFR)&amp;d(CUL2)&amp;TGFB-U</b>		<b>-EP300&amp;d(RPL2)&amp;-a(FGFR)&amp;d(CUL2)</b>		<b>SMARCA a(KRAS)</b>		<b>[SMARCA&amp;d(BNC2)] [-d(CUL2)&amp;TGFB-U]</b>		<b>SMARCA a(KRAS) PI3K o</b>		<b>PTEN SMARCA a(KRAS) PI3K o</b>	
TP   FP	1   0	1	4   2	0.82	4   0	1	6   2	0.82	2   0	1	5   2	0.82	3   1	0.91	4   2	0.82
FN   TN	5   11	1	2   9	0.67	2   11	1	0   9	0.75	4   11	1	1   9	0.71	3   10	0.75	2   9	0.67
Specificity																
Precision																
Recall		0.17		0.67		0.67		1		0.33		0.83		0.5		0.67

LGG  
 id: 329 name: QL-XI-92  
 target: DDR1 class: RTK signaling

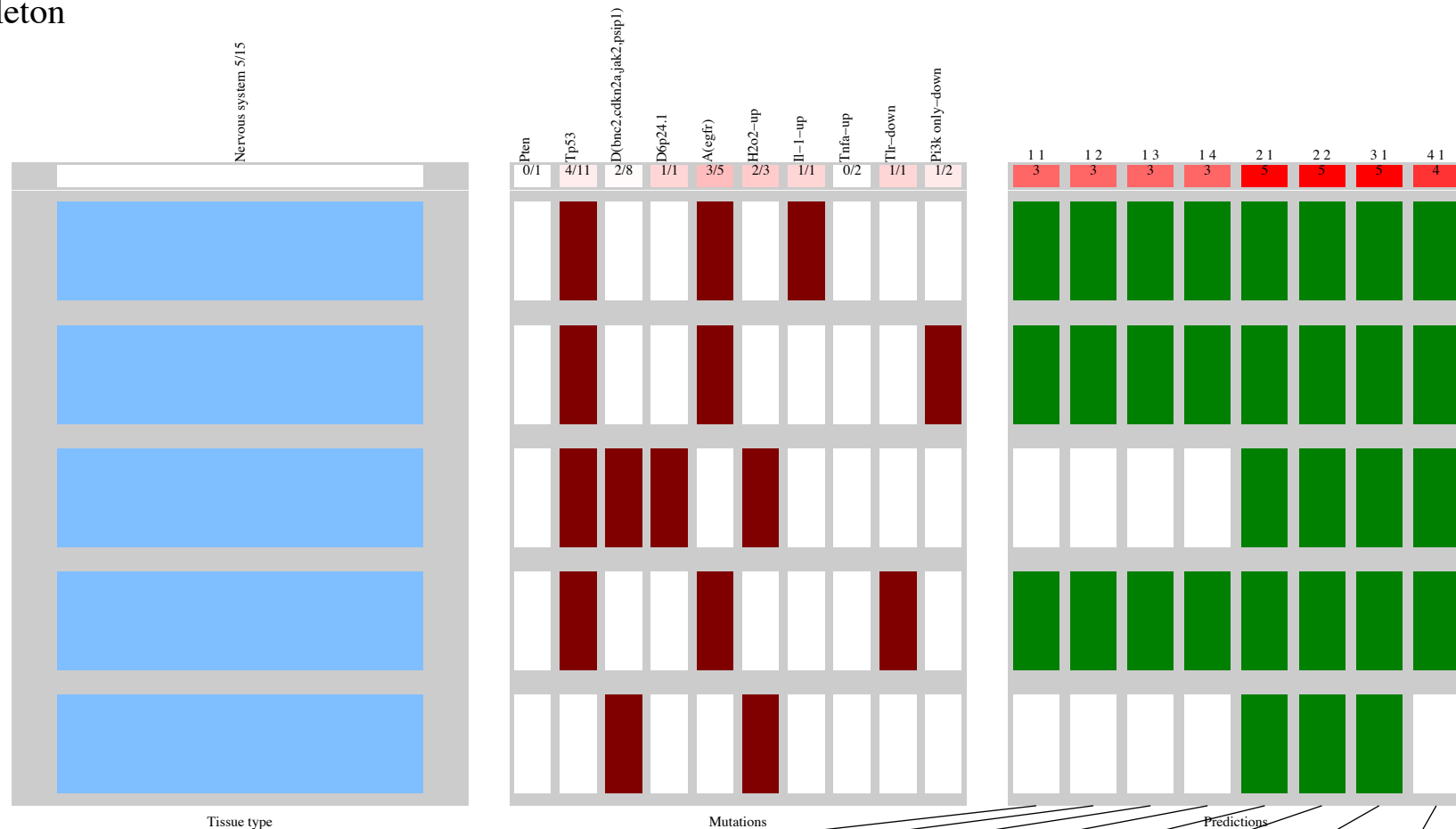
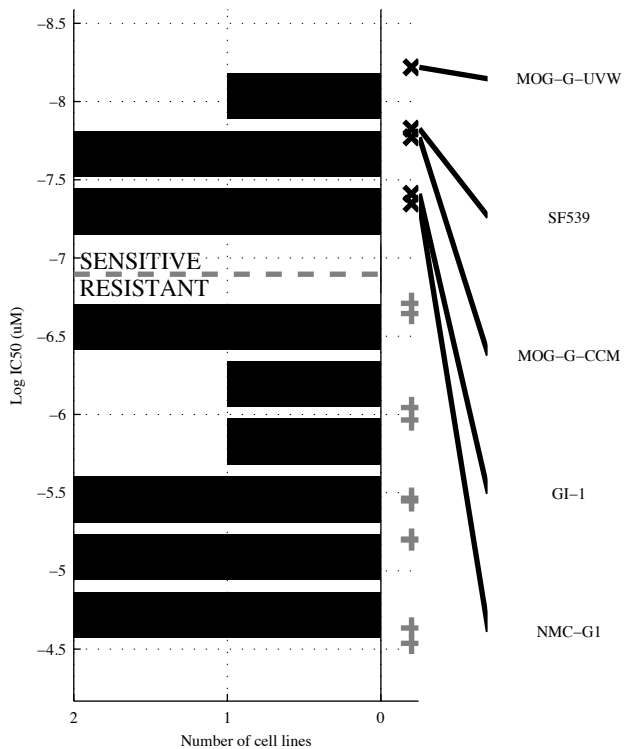
17 cell lines  
 10 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>IL-1-U</b>	<b>-PTEN &amp; RB1</b>	<b>-MLL &amp; -PTEN &amp; RB1</b>	<b>-MLL &amp; -NF1 &amp; -PTEN &amp; d(RPL2)</b>	<b>IL-1-U   PI3K o</b>	<b>[ -PTEN &amp; RB1 ]   [ IL-1-U &amp; VEGF-U ]</b>	<b>SETD2   IL-1-U   PI3K o</b>	<b>EP300   SETD2   IL-1-U   PI3K o</b>
TP   FP	2   0	5   1	5   0	9   1	4   0	7   1	5   0	6   0
FN   TN	8   7	5   6	5   7	1   6	6   7	3   6	5   7	4   7
Specificity	1	0.86	1	0.86	1	0.86	1	1
Precision	1	0.83	1	0.9	1	0.88	1	1
Recall	0.2	0.5	0.5	0.9	0.4	0.7	0.5	0.6

LGG  
 id: 1007 name: Docetaxel  
 target: Microtubules class: cytoskeleton

15 cell lines  
 5 sensitive

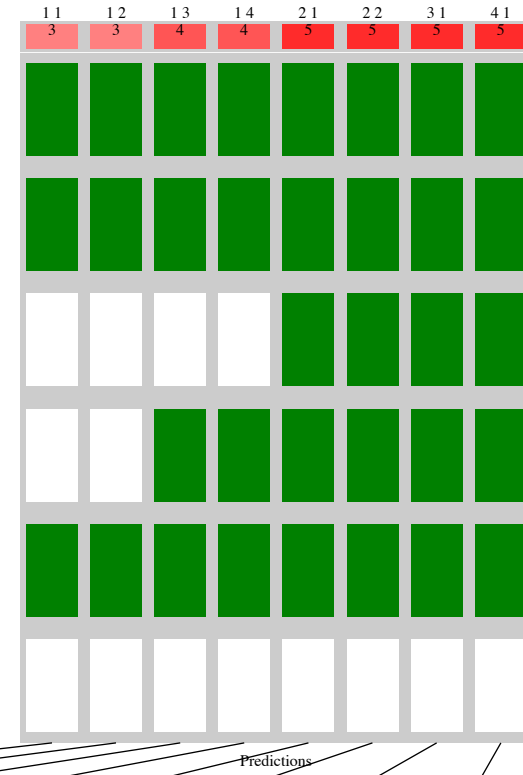
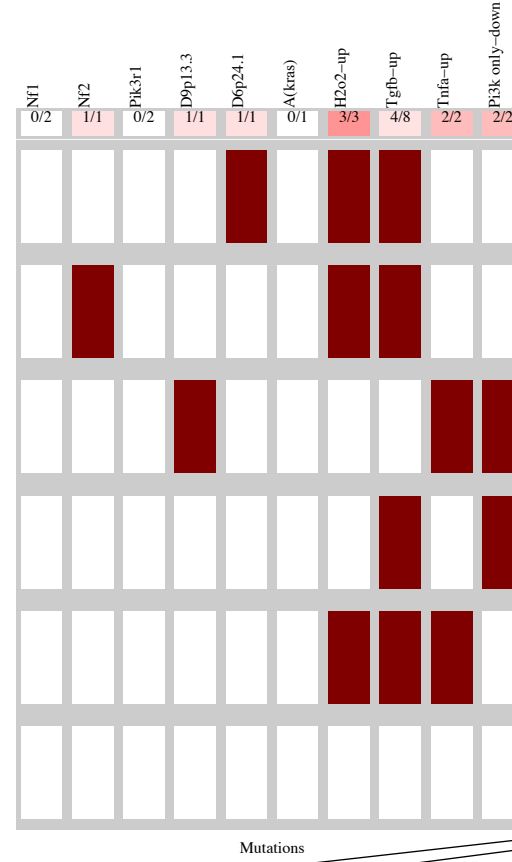
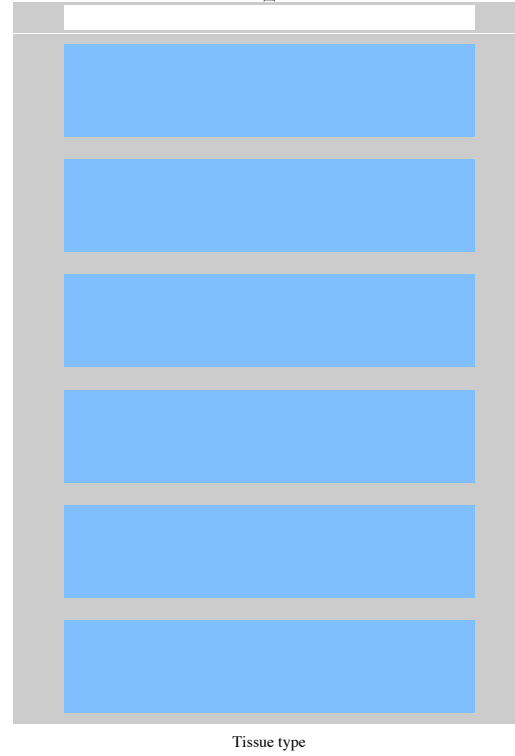
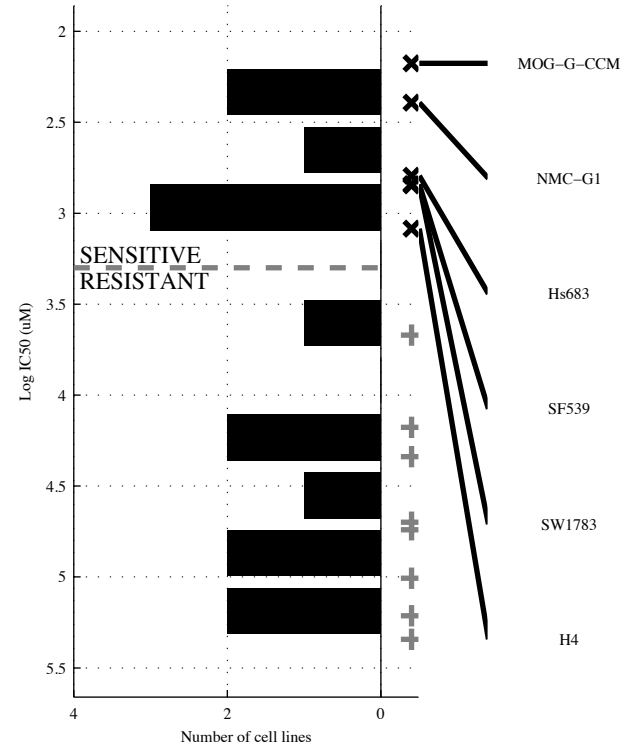


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>a(EGFR)</b>	<b>a(EGFR &amp; TNFa-U)</b>	<b>-d(BNC2 &amp; a(EGFR &amp; TNFa-U)</b>	<b>TP53 &amp; a(EGFR &amp; TNFa-U)</b>	<b>a(EGFR   H2O2-U)</b>	<b>[ -PTEN &amp; H2O2-U ]   [ a(EGFR &amp; TNFa-U) ]</b>	<b>a(EGFR   H2O2-U)   TLR-DO</b>	<b>d6p24.1   IL-1-U   TLR-DO   PI3K o</b>
TP   FP Specificity	3   2 0.8	3   1 0.9	3   0 1	3   0 1	5   2 0.8	5   1 0.9	5   2 0.8	4   1 0.9
FN   TN Precision	2   8 0.6	2   9 0.75	2   10 1	2   10 1	0   8 0.71	0   9 0.83	0   8 0.71	1   9 0.8
Recall	0.6	0.6	0.6	0.6	1	1	1	0.8

LGG  
 id: 1025 name: SB 216763  
 target: GSK3A, GSK3B class: WNT signaling

14 cell lines  
 6 sensitive

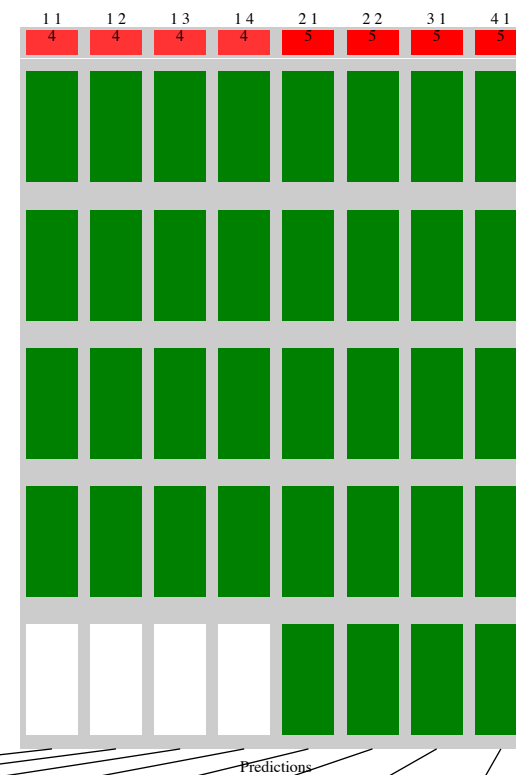
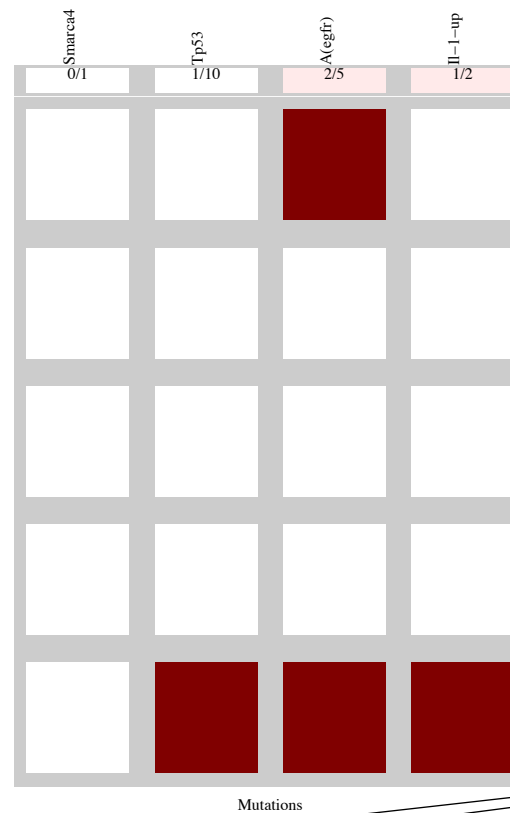
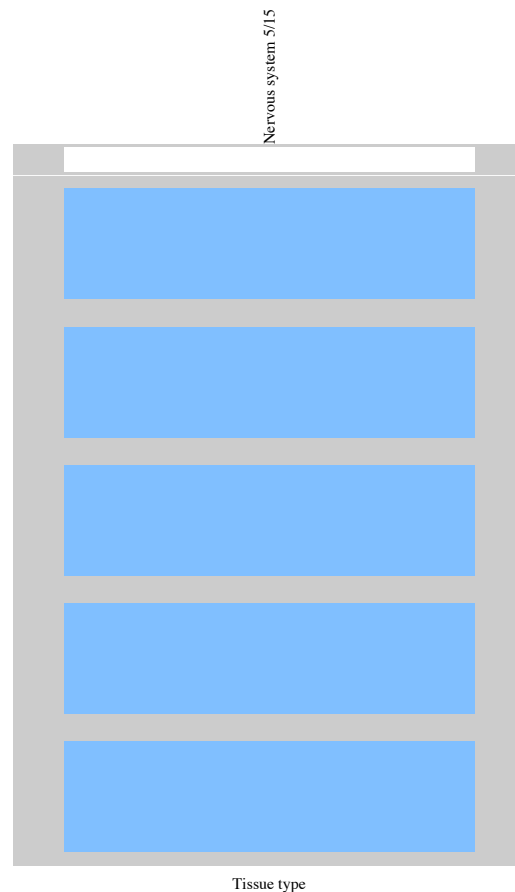
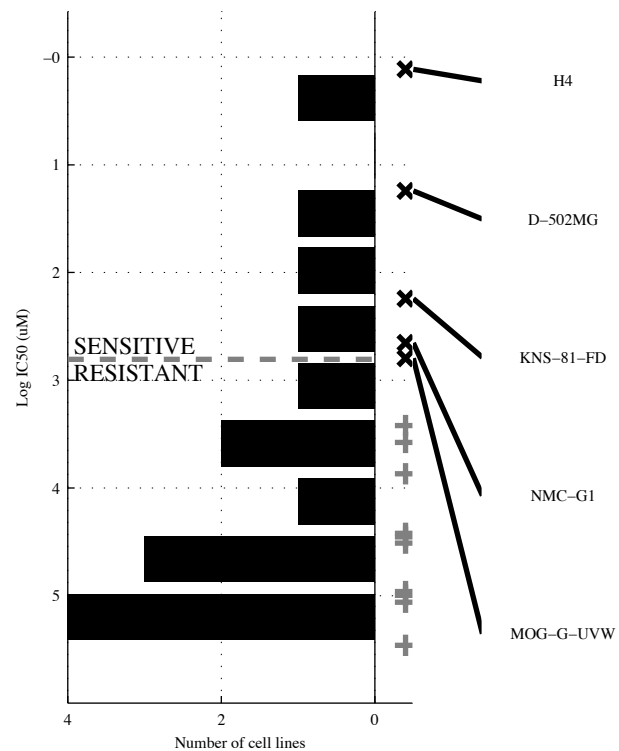
Nervous system 6/14



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>H2O2-U</b>	<b>H2O2-U &amp;</b>	<b>¬NF1 &amp; PIK3R &amp;</b> <b>TGFB-U</b>	<b>¬NF1 &amp; PIK3R &amp;</b> <b>¬a(KRAS) &amp; TGFB-U</b>	<b>H2O2-U   PI3K o</b>	[ <b>¬NF1 &amp; H2O2-U</b> ]   [ <b>¬NF1 &amp; PI3K o</b> ]	<b>d9p13.   H2O2-U  </b>  <b>PI3K o</b>	<b>NF2   d6p24.  </b>  <b>TNFA-U   PI3K o</b>
TP   FP	3   0	3   0	4   1	4   0	5   0	5   0	5   0	5   0
Specificity	1	1	0.88	1	1	1	1	1
FN   TN	3   8	3   8	2   7	2   8	1   8	1   8	1   8	1   8
Precision	1	1	0.8	1	1	1	1	1
Recall	0.5	0.5	0.67	0.67	0.83	0.83	0.83	0.83

LGG  
 id: 1047 name: Nutlin-3a  
 target: MDM2 class: p53 pathway

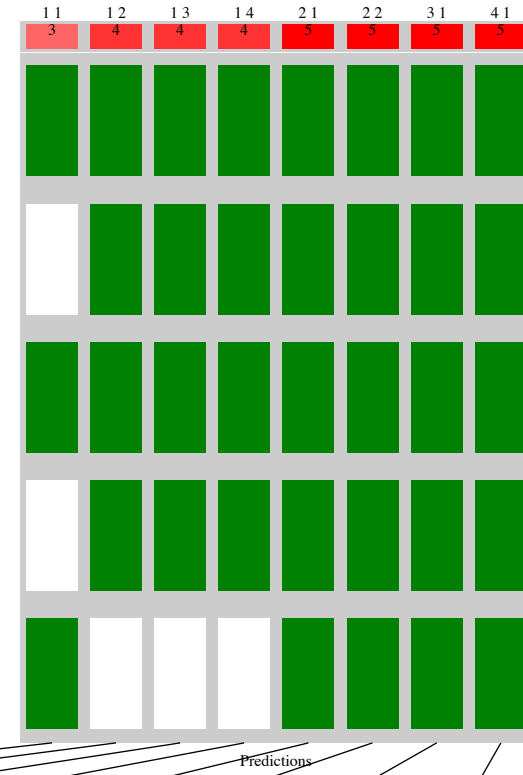
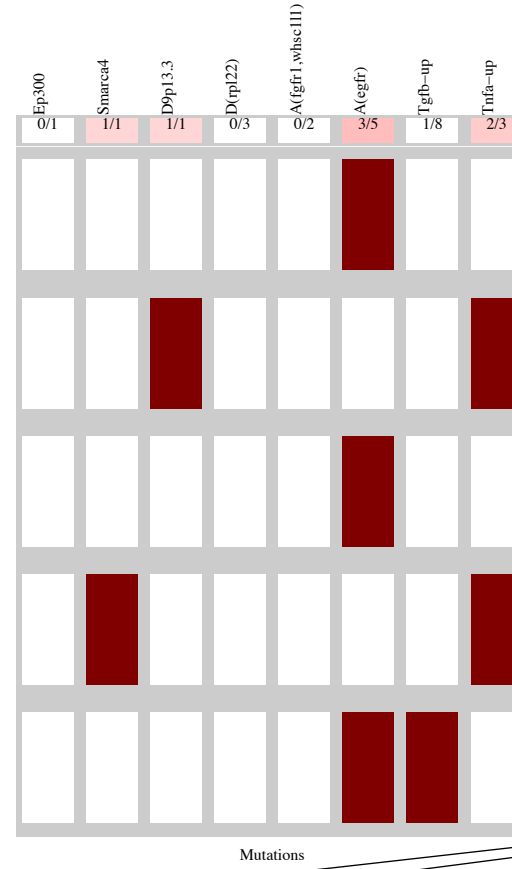
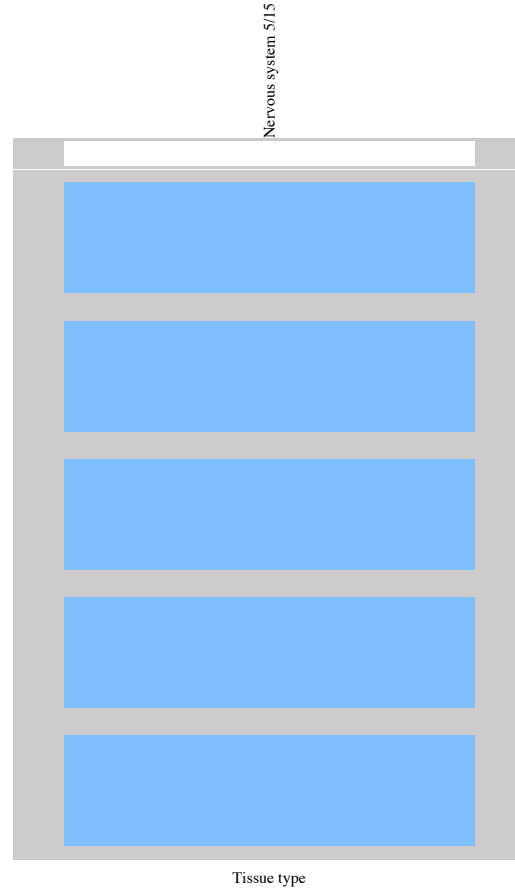
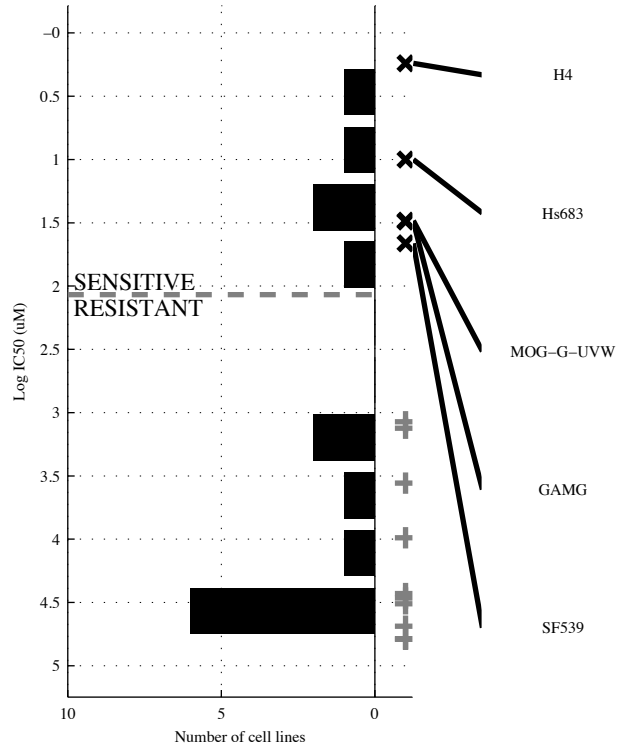
15 cell lines  
 5 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>-TP53</b>		<b>-SMARC &amp; -TP53</b>		<b>-SMARC &amp; -TP53 &amp;</b>		<b>-SMARC &amp; -TP53 &amp;</b>		<b>-TP53   IL-1-U</b>		<b>[ a(EGFR &amp; IL-1-U )   SMARC &amp; -TP53 ]</b>		<b>-TP53   IL-1-U  </b>		<b>-TP53   IL-1-U  </b>	
TP   FP Specificity	4   1	0.9	4   0	1	4   0	1	4   0	1	5   1	0.9	5   0	1	5   1	0.9	5   1	0.9
FN   TN Precision	1   9	0.8	1   10	1	1   10	1	1   10	1	0   9	0.83	0   10	1	0   9	0.83	0   9	0.83
Recall		0.8		0.8		0.8		0.8		1		1		1		1

LGG  
 id: 1052 name: RO-3306  
 target: CDK1 class: cell cycle

15 cell lines  
 5 sensitive

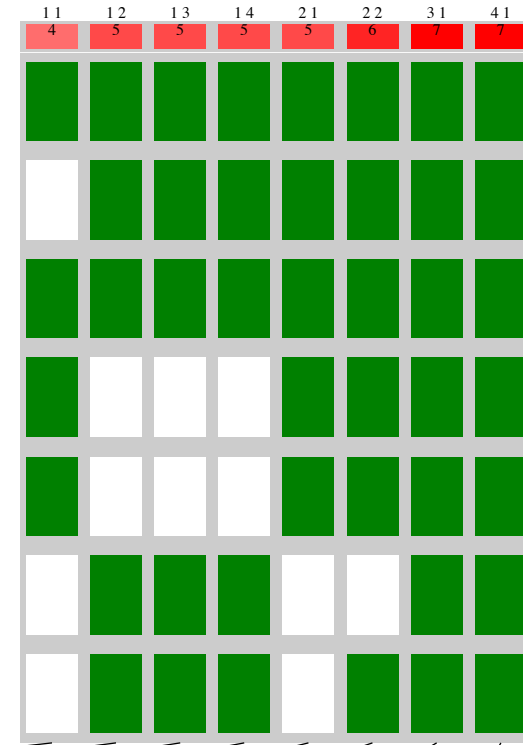
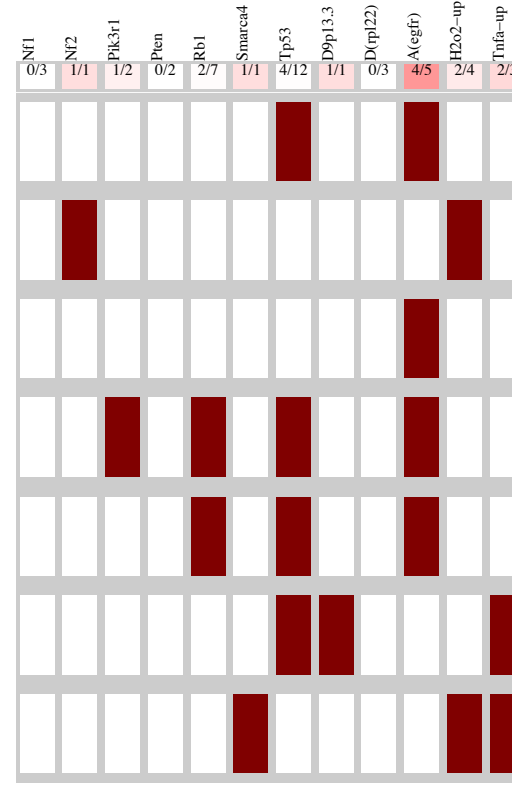
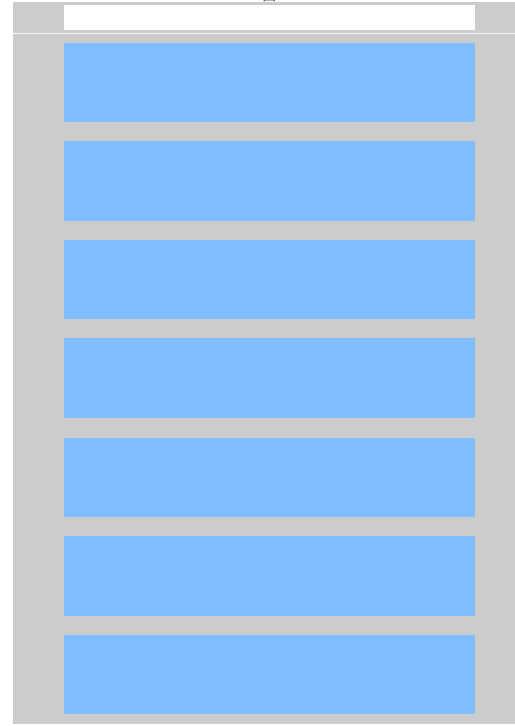
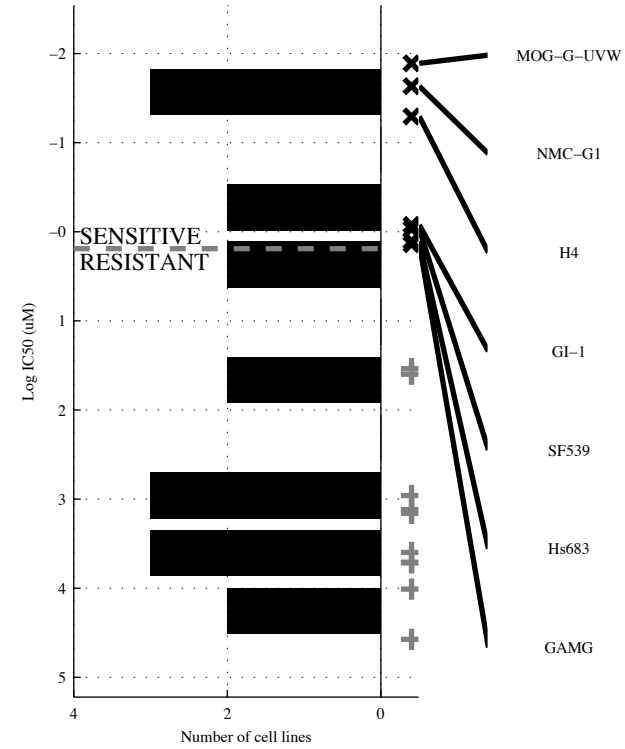


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>a(EGFR)</b>	<b>¬d(RPL&amp;TGFB-U)</b>	<b>¬EP300&amp;¬d(RPL&amp;TGFB-U)</b>	<b>¬EP300&amp;¬d(RPL&amp;TGFB-U)</b>	<b>a(EGFR TNFa-U)</b>	<b>[¬a(FGFR&amp;TNFa-U)]</b>	<b>SMARCA d9p13.1</b>	<b>SMARCA d9p13.1</b>
TP   FP Specificity	3   2 0.8	4   1 0.9	4   0 1	4   0 1	5   2 0.8	5   0 1	5   2 0.8	5   2 0.8
FN   TN Precision	2   8 0.6	1   9 0.8	1   10 1	1   10 1	0   8 0.71	0   10 1	0   8 0.71	0   8 0.71
Recall	0.6	0.8	0.8	0.8	1	1	1	1

LGG  
 id: 1378 name: Bleomycin (50 uM)  
 target: DNA damage class: DNA replication

17 cell lines  
 7 sensitive

Nervous system 7/17

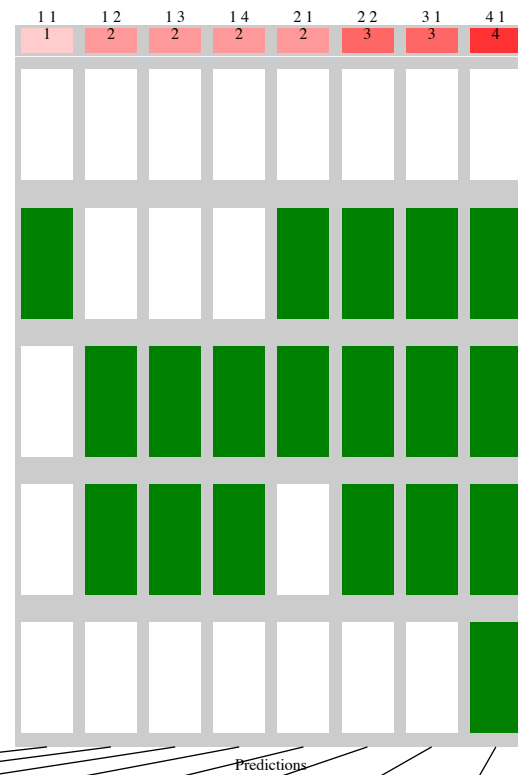
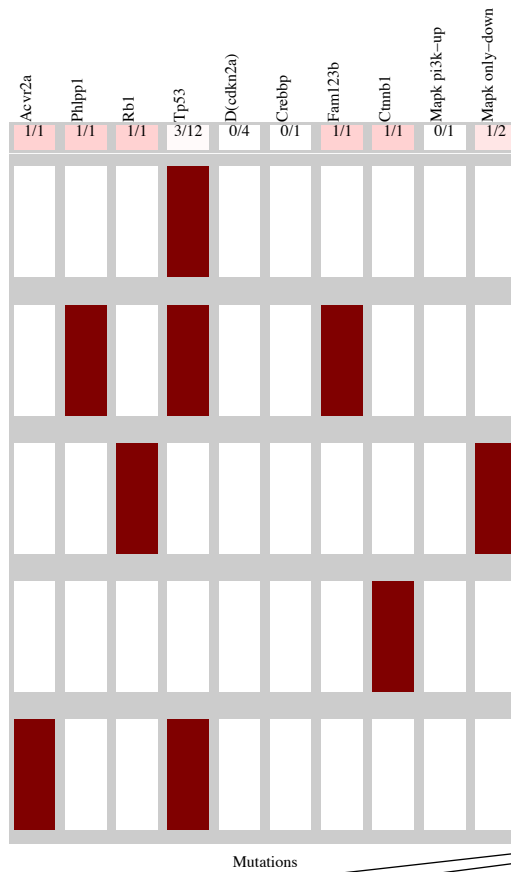
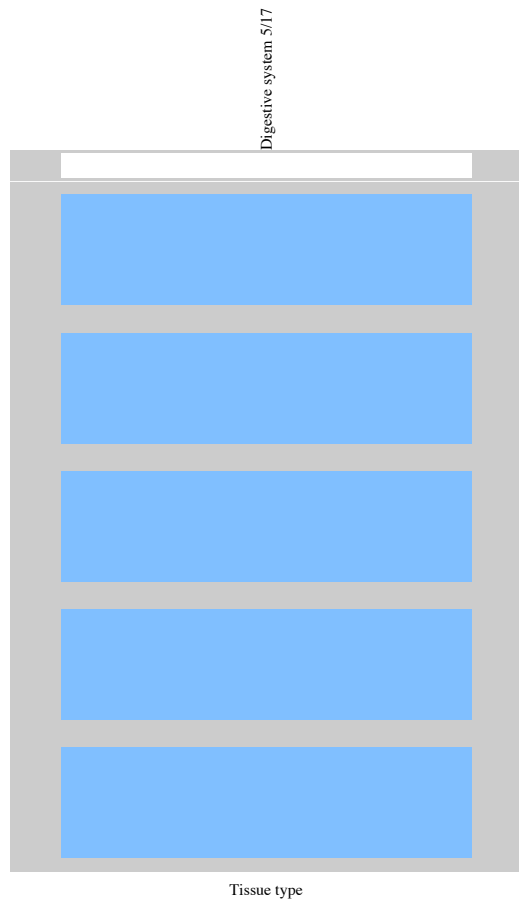
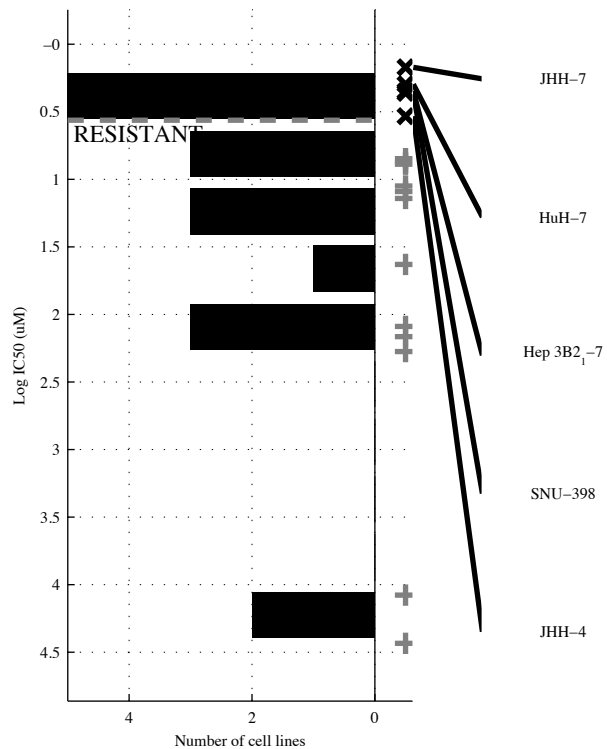


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a(EGFR)</b>	<b>¬RB1 &amp; ¬d(RPL2)</b>	<b>¬NF1 &amp; ¬RB1 &amp; ¬d(RPL2)</b>	<b>¬NF1 &amp; ¬PIK3R1 &amp; ¬RB1 &amp; ¬d(RPL2)</b>	<b>NF2   a(EGFR)</b>	<b>[ ¬TP53 &amp; H2O2-U ]   [ ¬PTEN &amp; a(EGFR) ]</b>	<b>NF2   a(EGFR)   TNFa-U</b>	<b>NF2   SMARCA4   d9p13.   a(EGFR)</b>
TP   FP	4   1	5   2	5   0	5   0	5   1	6   0	7   1	7   1
Specificity	0.9	0.8	1	1	0.9	1	0.9	0.9
FN   TN	3   9	2   8	2   10	2   10	2   9	1   10	0   9	0   9
Precision	0.8	0.71	1	1	0.83	1	0.88	0.88
Recall	0.57	0.71	0.71	0.71	0.71	0.86	1	1



LIHC  
 id: 173 name: FH535  
 target: unknown class: other

17 cell lines  
 5 sensitive

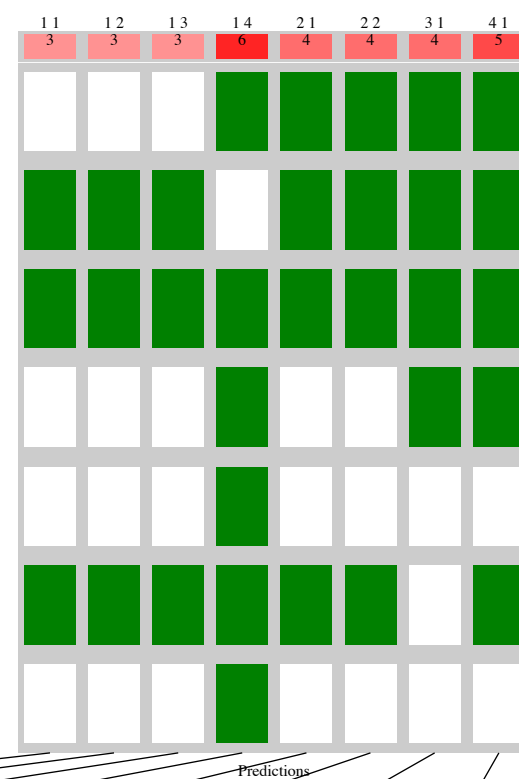
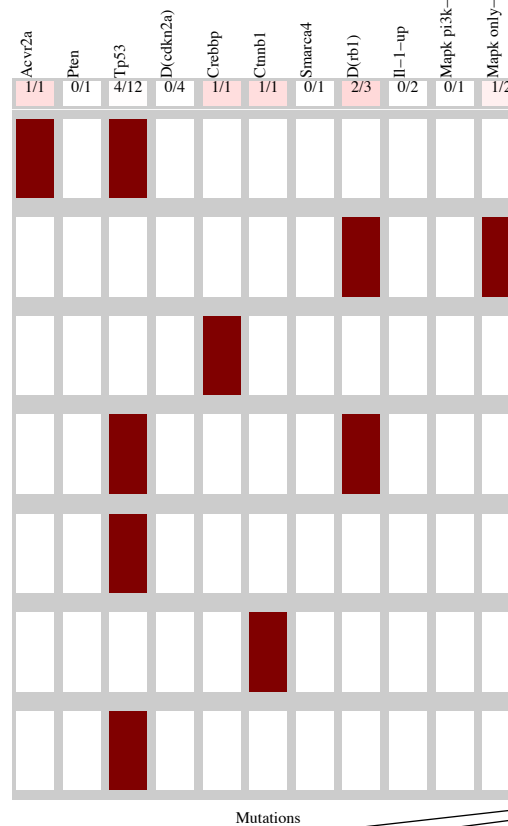
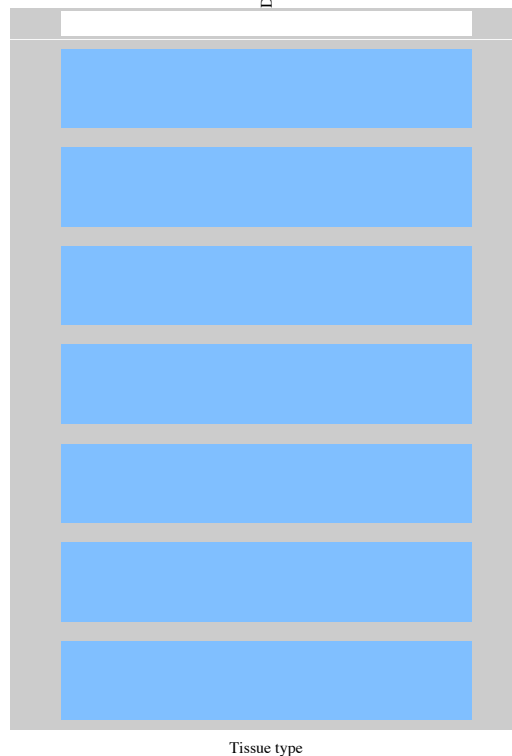
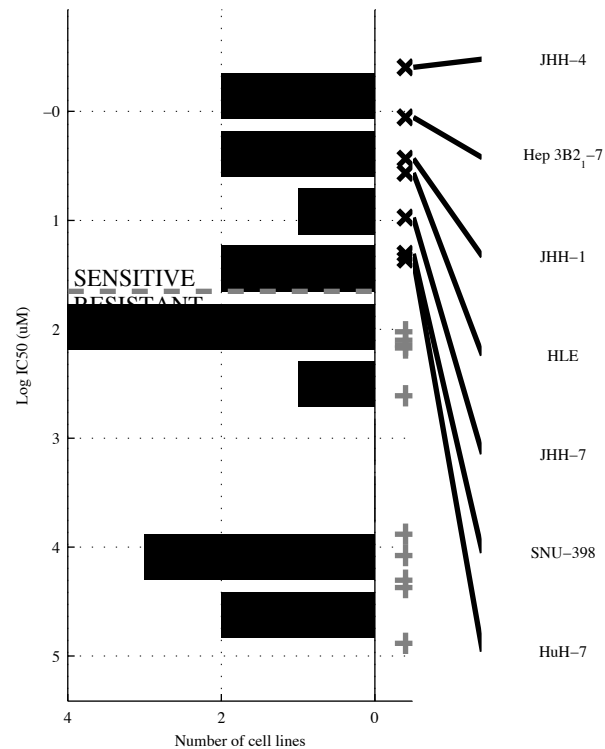


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>FAM123</b>	<b>-TP53 &amp; CREBBP</b>	<b>-TP53 &amp; d(CDKN2A) &amp; -CREBBP</b>	<b>-TP53 &amp; d(CDKN2A) &amp; -CREBBP &amp; MAPK P</b>	<b>PHLPP1   RB1</b>	<b>[ FAM123 &amp; MAPK d ]   [ -TP53 &amp; CREBBP ]</b>	<b>PHLPP1   RB1   CTNNB1</b>	<b>ACVR2A   PHLPP1   RB1   CTNNB1</b>
TP   FP	1   0	2   2	2   1	2   1	2   0	3   2	3   0	4   0
FN   TN	4   12	3   10	3   11	3   11	3   12	2   10	2   12	1   12
Specificity	1	0.83	0.92	0.92	1	0.83	1	1
Precision	1	0.5	0.67	0.67	1	0.6	1	1
Recall	0.2	0.4	0.4	0.4	0.4	0.6	0.6	0.8

LIHC  
 id: 199 name: Pazopanib  
 target: VEGFR, PDGFRA, PDGFRB, KIT class: RTK signaling

17 cell lines  
 7 sensitive

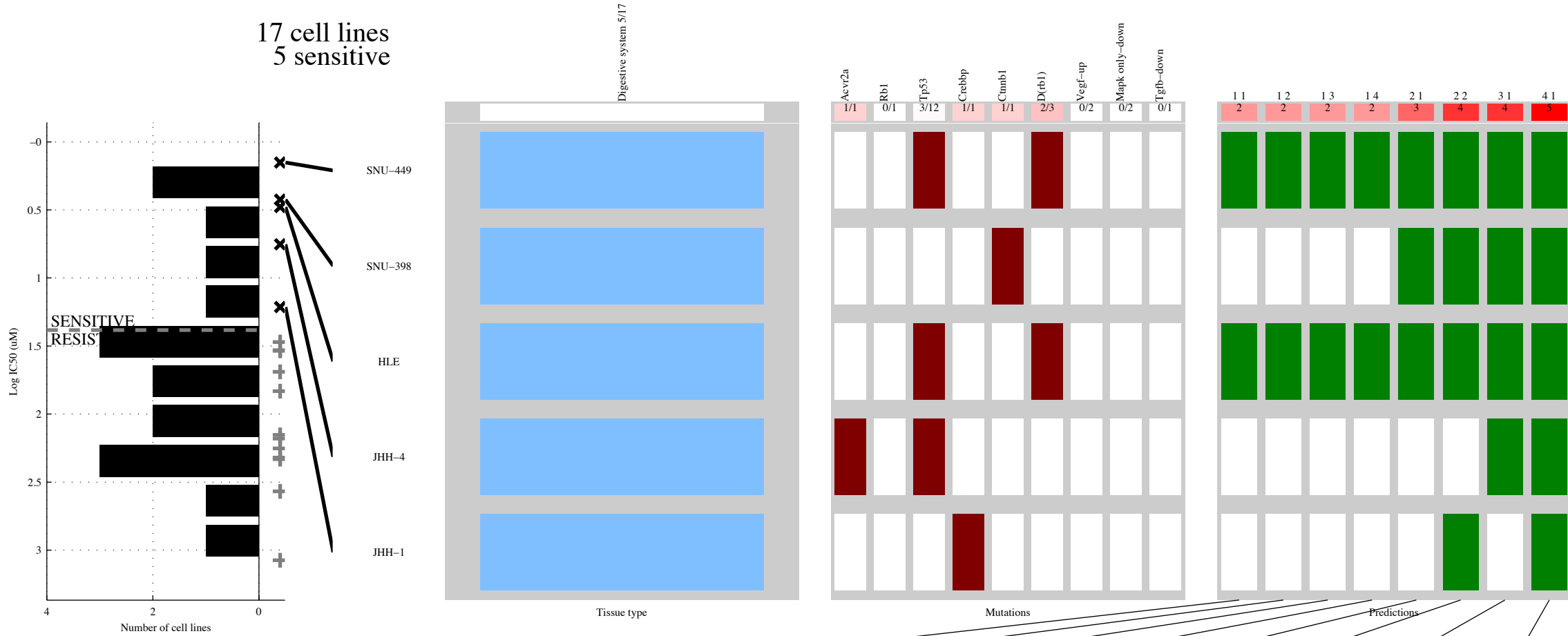
Digestive system 7/17



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	M		M		M		M		M		M		M		M	
Logic formula	<b>-TP53</b>		<b>-TP53 &amp; d(CDKN</b>		<b>-PTEN &amp; -TP53 &amp;</b>		<b>-d(CDKN &amp; -IL-1-U&amp;</b>		<b>ACVR2A   -TP53</b>		<b>[ -TP53 &amp; d(CDKN</b>		<b>ACVR2A   CREBBP  </b>		<b>ACVR2A   CREBBP  </b>	
					<b>-SMARCA</b>		<b>-MAPK &amp; MAPK o</b>				<b>[ ACVR2A &amp;</b>		<b>d(RB1)</b>		<b>CTNNB1   d(RB1)</b>	
TP   FP Specificity	3   2 0.8		3   1 0.9		3   1 0.9		6   2 0.8		4   2 0.8		4   1 0.9		4   1 0.9		5   1 0.9	
FN   TN Precision	4   8 0.6		4   9 0.75		4   9 0.75		1   8 0.75		3   8 0.67		3   9 0.8		3   9 0.8		2   9 0.83	
Recall	0.43		0.43		0.43		0.86		0.57		0.57		0.57		0.71	

LIHC  
 id: 202 name: GSK-1904529A  
 target: IGF1R class: IGFR signaling

17 cell lines  
 5 sensitive

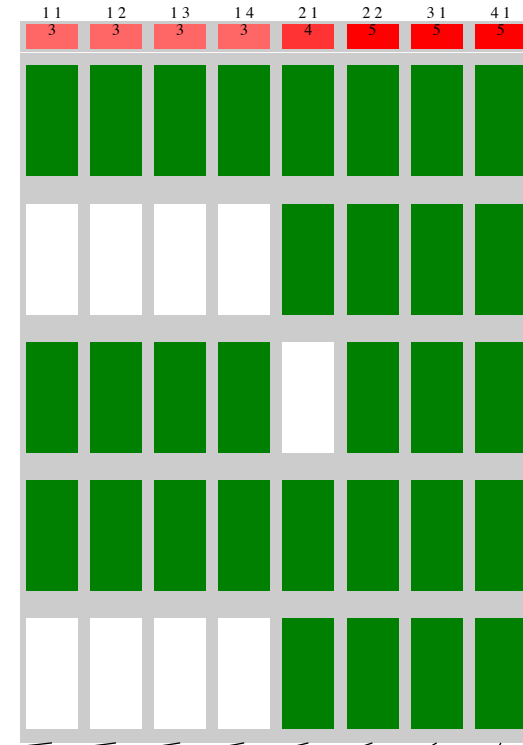
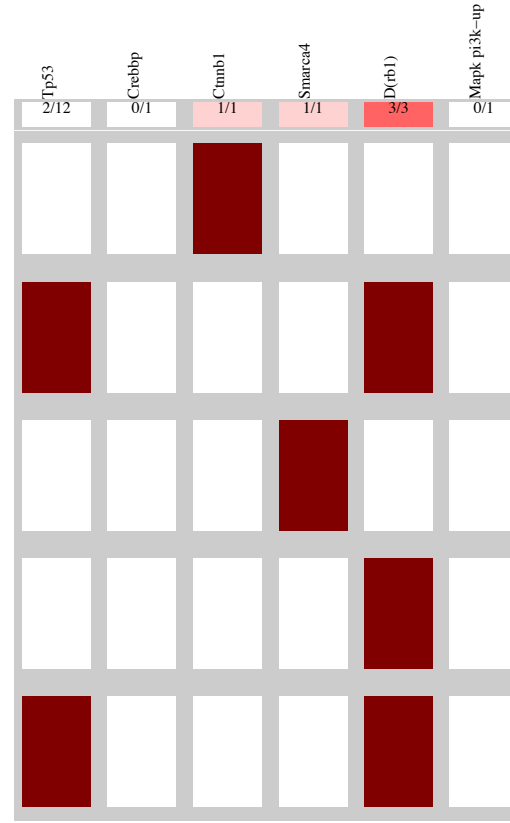
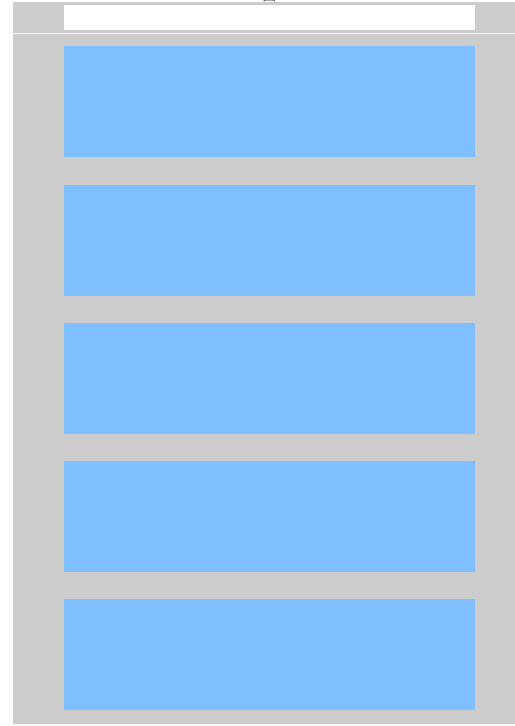
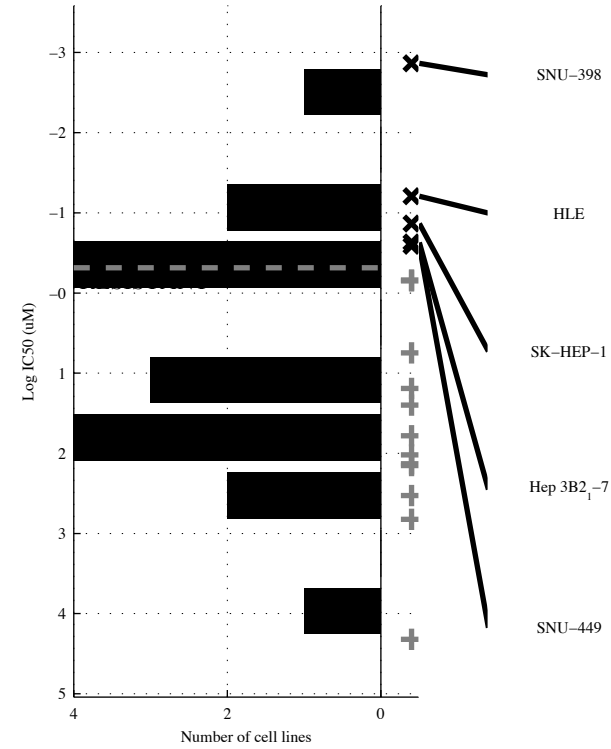


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d(RB1)</b>	<b>d(RB1) &amp; VEGF-U</b>	<b>-RB1 &amp; d(RB1) &amp;</b>	<b>-RB1 &amp; d(RB1) &amp;</b>	<b>CTNNB1 d(RB1)</b>	<b>[ -TP53 &amp; MAPK d ]</b> <b> </b> <b>[ d(RB1) &amp; TGFB-D ]</b>	<b>ACVR2A CTNNB1</b>	<b>ACVR2A CREBBP</b>
TP   FP	2   1	2   0	2   0	2   0	3   1	4   1	4   1	5   1
Specificity	0.92	1	1	1	0.92	0.92	0.92	0.92
FN   TN	3   11	3   12	3   12	3   12	2   11	1   11	1   11	0   11
Precision	0.67	1	1	1	0.75	0.8	0.8	0.83
Recall	0.4	0.4	0.4	0.4	0.6	0.8	0.8	1

LIHC  
 id: 204 name: Tipifarnib  
 target: Farnesyl-transferase (FNTA) class: other

17 cell lines  
 5 sensitive

Digestive system 5/17

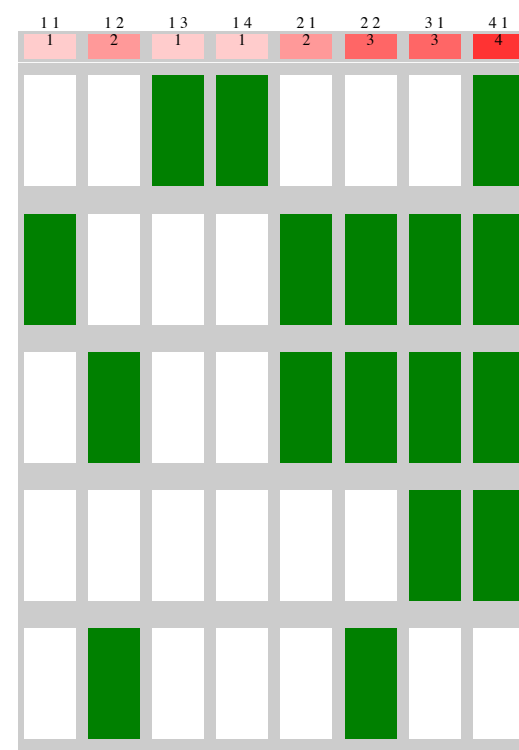
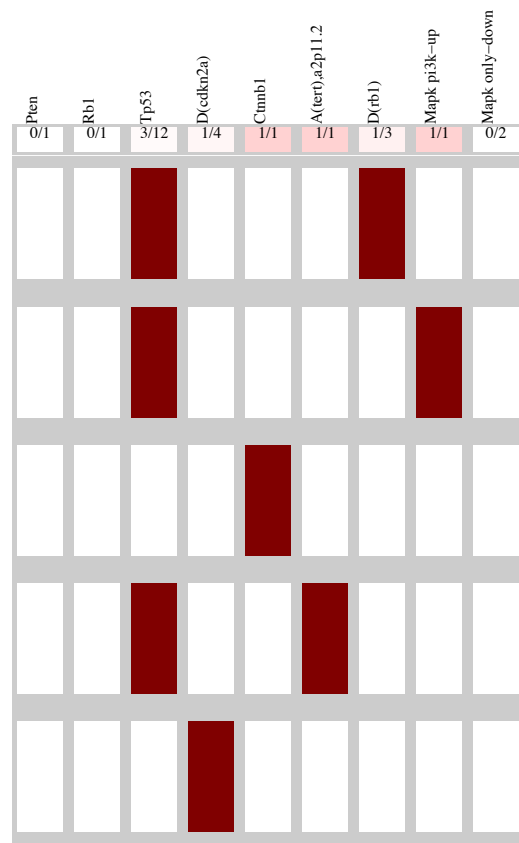
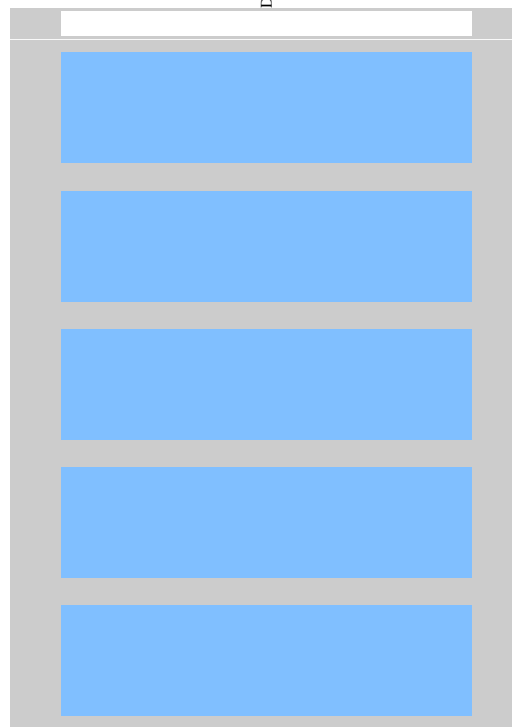
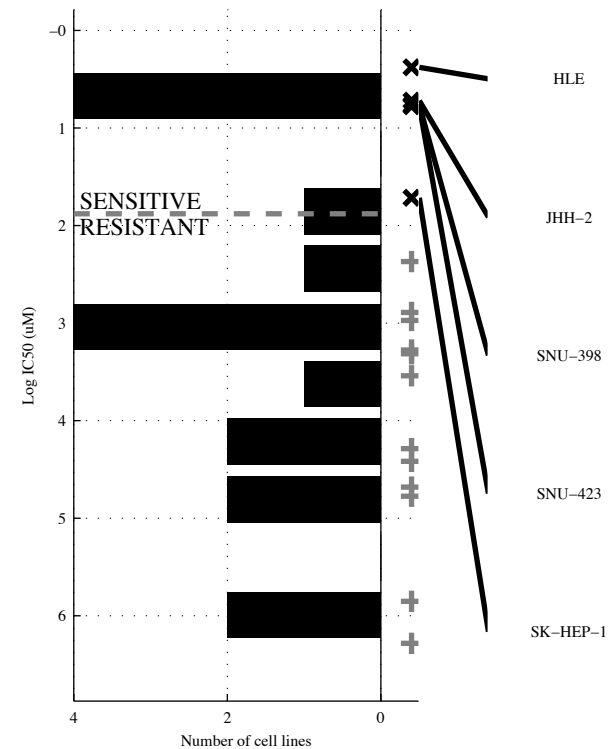


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>-TP53</b>	<b>-TP53 &amp; CREBBP</b>	<b>-TP53 &amp; CREBBP</b>	<b>-TP53 &amp; CREBBP</b>	<b>CTNNB1 d(RB1)</b>	<b>[ d(RB1) &amp; MAPK ]   [ -TP53 &amp; CREBBP ]</b>	<b>CTNNB1 SMARCA4   d(RB1)</b>	<b>CTNNB1 SMARCA4   d(RB1)  </b>
TP   FP Specificity	3   2 0.83	3   1 0.92	3   1 0.92	3   1 0.92	4   0 1	5   1 0.92	5   0 1	5   0 1
FN   TN Precision	2   10 0.6	2   11 0.75	2   11 0.75	2   11 0.75	1   12 1	0   11 0.83	0   12 1	0   12 1
Recall	0.6	0.6	0.6	0.6	0.8	1	1	1

LIHC  
 id: 269 name: NSC-207895  
 target: MDM4 class: p53 pathway

17 cell lines  
 5 sensitive

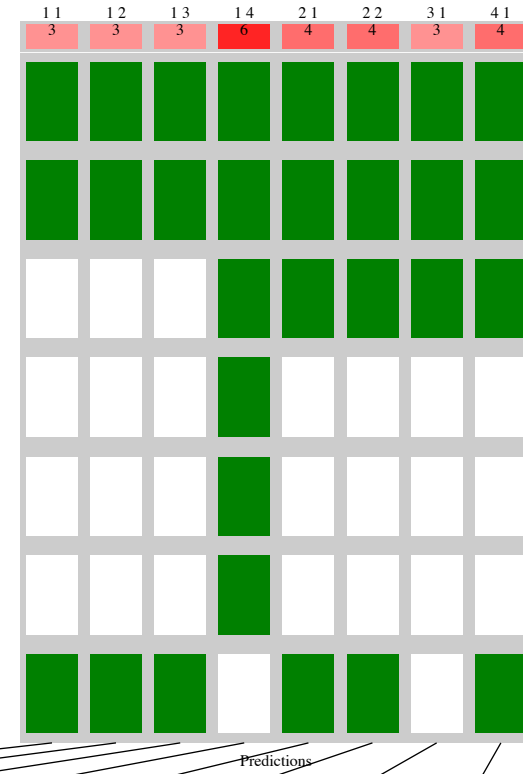
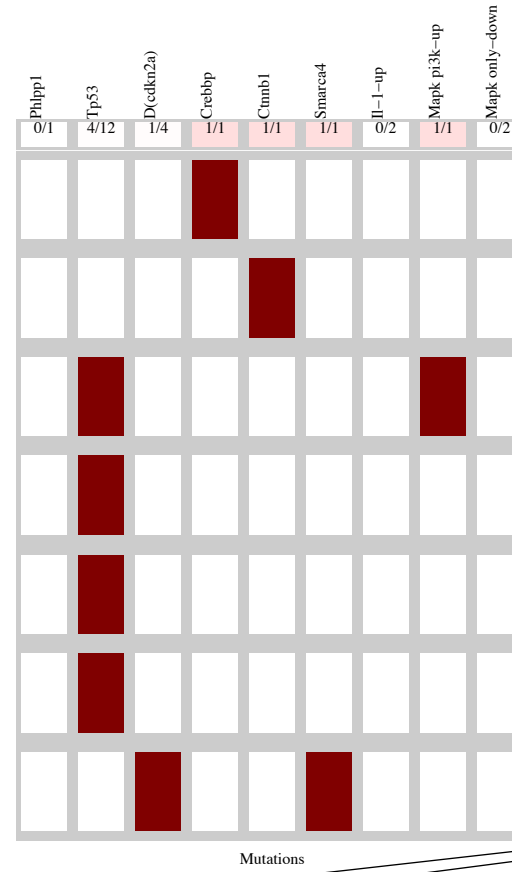
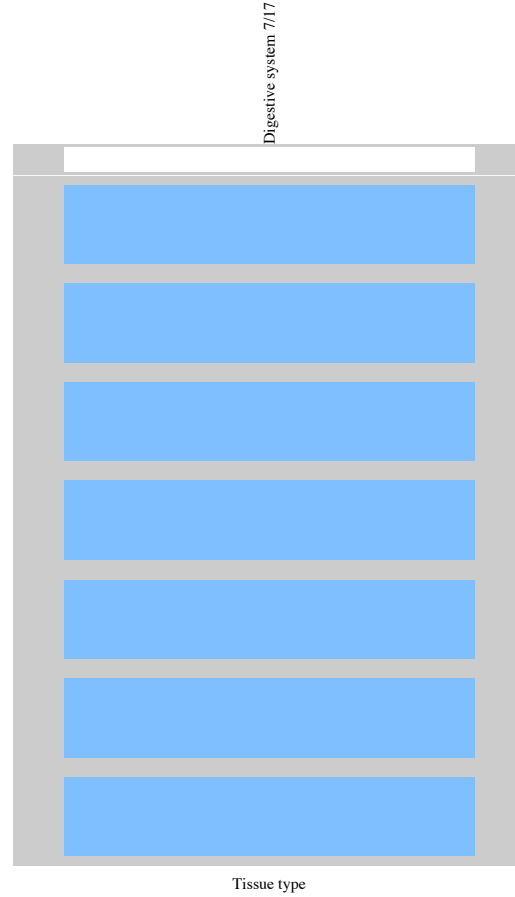
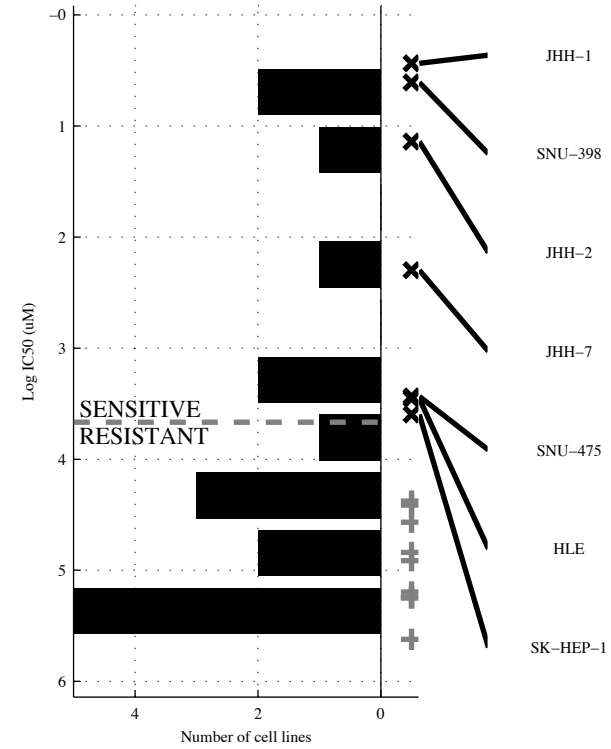
Digestive system 5/17



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>MAPK P</b>	<b>-TP53 &amp; MAPK o</b>	<b>-PTEN &amp; -RB1 &amp; d(RB1)</b>	<b>-PTEN &amp; -RB1 &amp; d(RB1) &amp;</b>	<b>CTNNB1   MAPK P</b>	<b>[ -TP53 &amp; MAPK d   d(CDKN2A) &amp; MAPK P ]</b>	<b>CTNNB1   a(TERT   MAPK P</b>	<b>CTNNB1   a(TERT   d(RB1)   MAPK P</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{4} \mid \frac{0}{12}$ 1 0.2	$\frac{2}{3} \mid \frac{1}{11}$ 0.92 0.67 0.4	$\frac{1}{4} \mid \frac{0}{12}$ 1 0.2	$\frac{1}{4} \mid \frac{0}{12}$ 1 0.2	$\frac{2}{3} \mid \frac{0}{12}$ 1 0.4	$\frac{3}{2} \mid \frac{1}{11}$ 0.92 0.75 0.6	$\frac{3}{2} \mid \frac{0}{12}$ 1 0.6	$\frac{4}{1} \mid \frac{2}{10}$ 0.83 0.67 0.8

LIHC  
 id: 300 name: CX-5461  
 target: RNA Pol I class: other

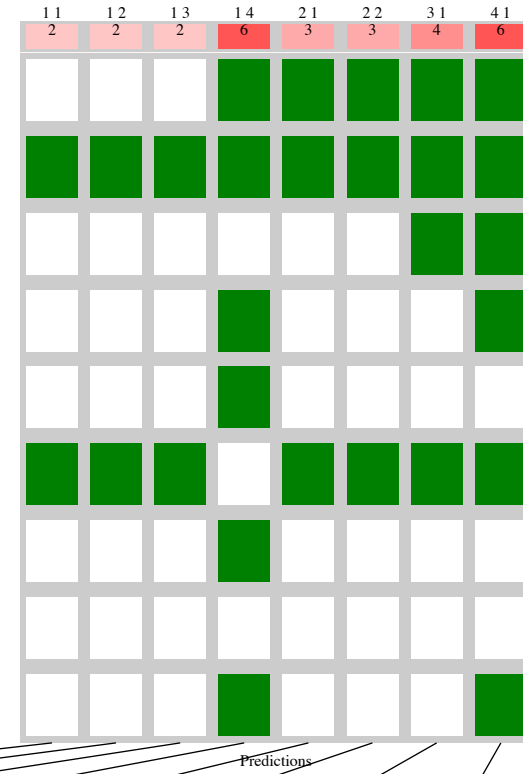
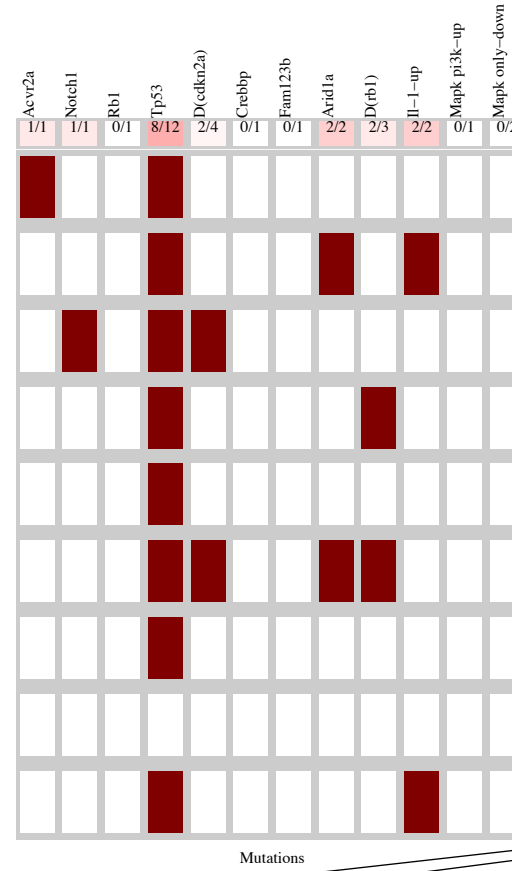
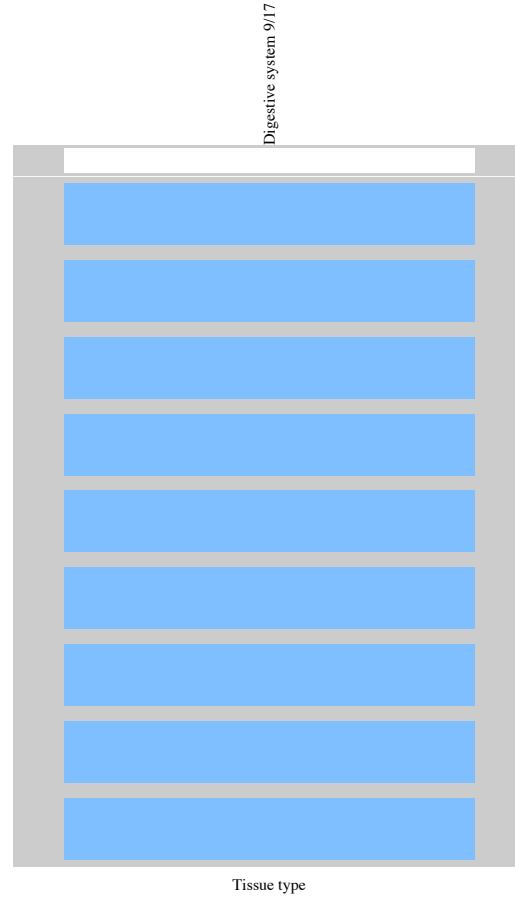
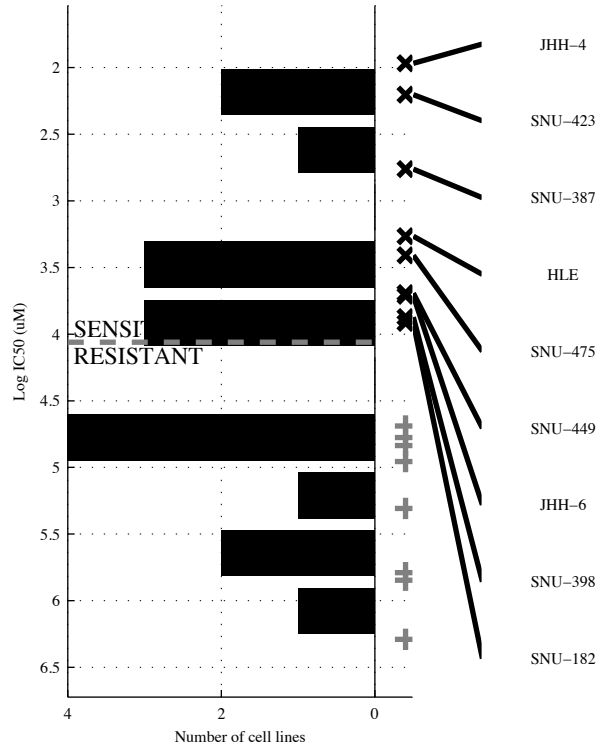
17 cell lines  
 7 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>-TP53</b>	<b>-TP53 &amp; MAPK o</b>	<b>-TP53 &amp; MAPK &amp;</b>	<b>-PHLPP &amp; d(CDK) &amp;</b> <b>-IL-1-&amp;MAPK o</b>	<b>-TP53   MAPK P</b>	<b>[ MAPK &amp; ]</b> <b> </b> <b>[ -TP53 &amp; MAPK d ]</b>	<b>CREBBP   CTNNB1  </b> <b>MAPK P</b>	<b>CREBBP   CTNNB1  </b> <b>SMARCA4   MAPK P</b>
TP   FP	3   2	3   0	3   0	6   2	4   2	4   0	3   0	4   0
Specificity	0.8	1	1	0.8	0.8	1	1	1
FN   TN	4   8	4   10	4   10	1   8	3   8	3   10	4   10	3   10
Precision	0.6	1	1	0.75	0.67	1	1	1
Recall	0.43	0.43	0.43	0.86	0.57	0.57	0.43	0.57

LHC  
 id: 309 name: Y-39983  
 target: ROCK class: cytoskeleton

17 cell lines  
 9 sensitive

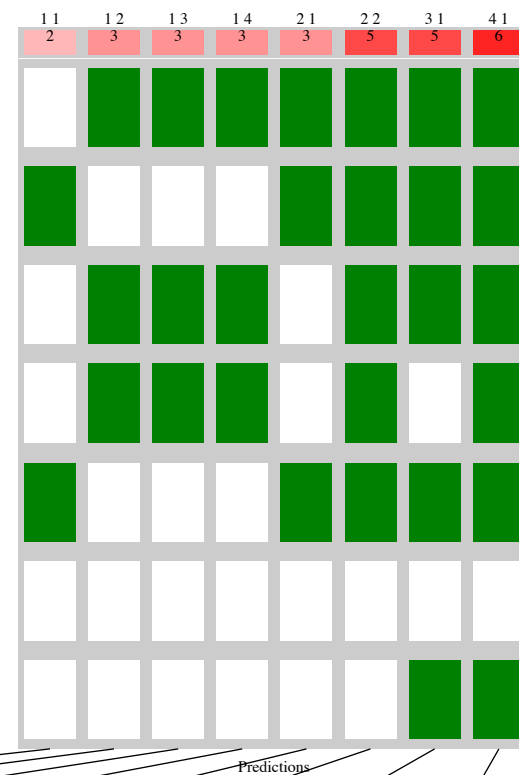
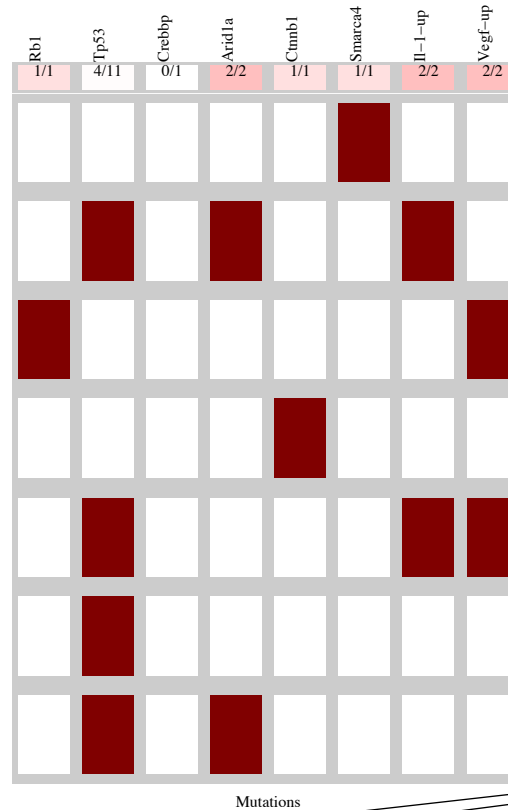
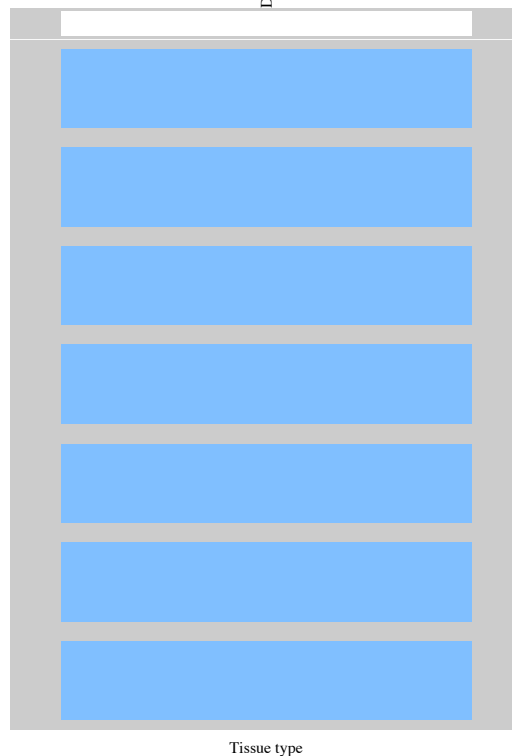
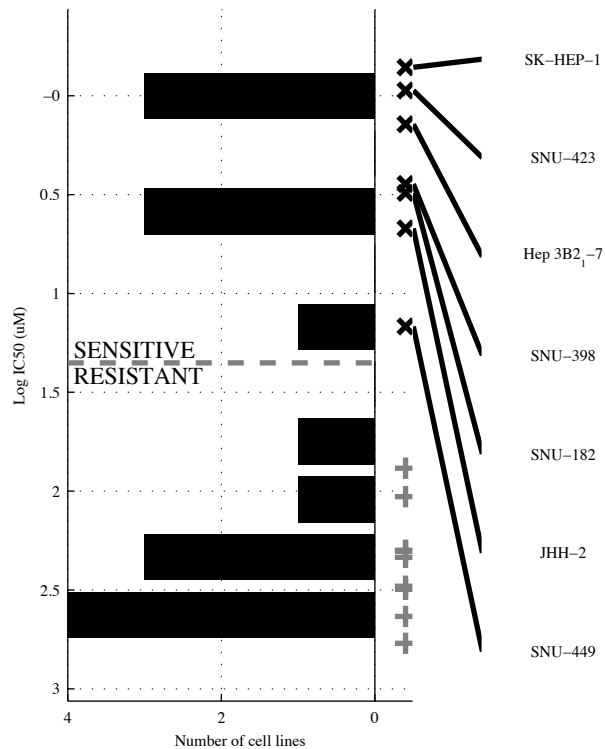


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>ARID1A</b>	<b>ARID1A &amp; MAPK o</b>	<b>-RB1 &amp; CREBBP &amp; ARID1A</b>	<b>TP53 &amp; d(CDK) &amp; -FAM123 &amp; MAPK P</b>	<b>ACVR2A   ARID1A</b>	<b>[ACVR2A &amp; ]   [ARID1A &amp; MAPK d]</b>	<b>ACVR2A   NOTCH1   ARID1A</b>	<b>ACVR2A   NOTCH1   d(RB1)   IL-1-U</b>
TP   FP	2   0	2   0	2   0	6   1	3   0	3   0	4   0	6   1
FN   TN	7   8	7   8	7   8	3   7	6   8	6   8	5   8	3   7
Specificity	1	1	1	0.88	1	1	1	0.88
Precision	1	1	1	0.86	1	1	1	0.86
Recall	0.22	0.22	0.22	0.67	0.33	0.33	0.44	0.67

LIHC  
 id: 1218 name: JQ1  
 target: BRD2, BRD3, BRD4 class: chromatin other

16 cell lines  
 7 sensitive

Digestive system 7/16



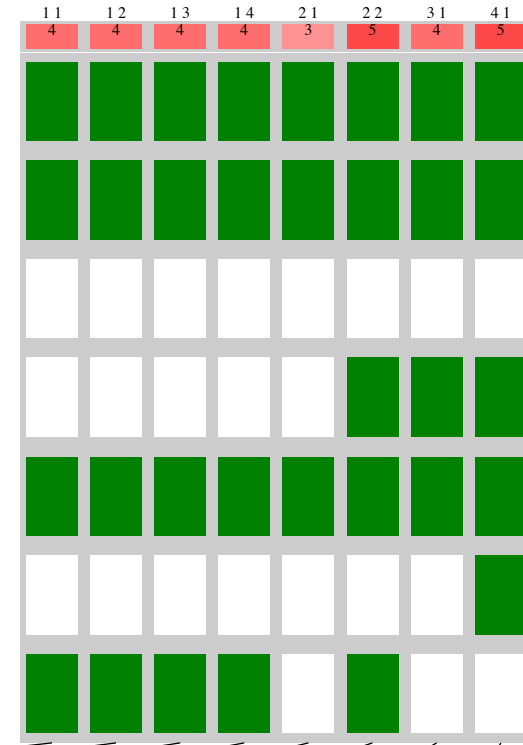
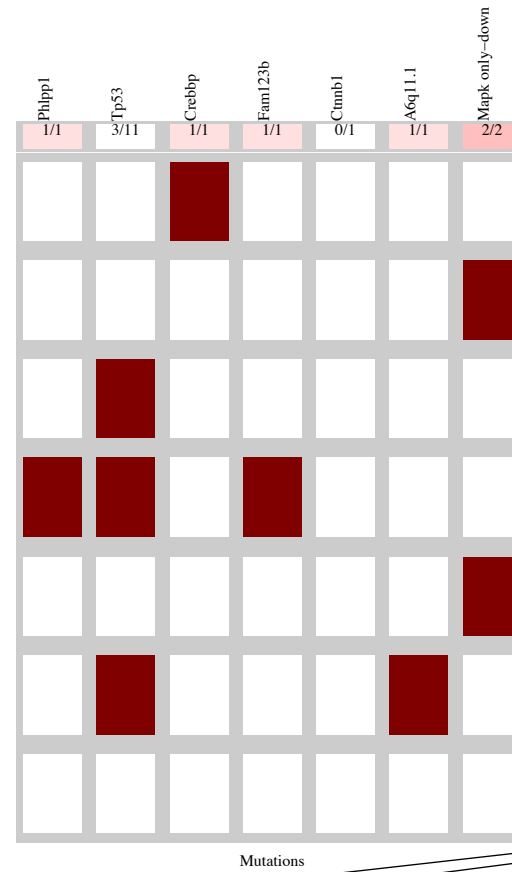
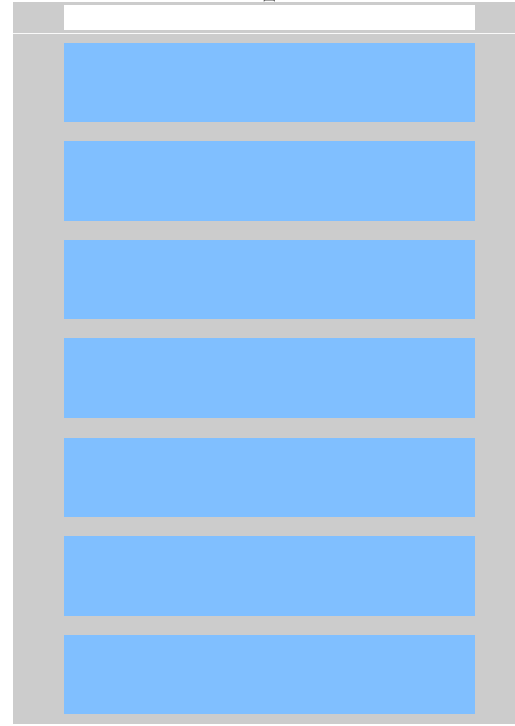
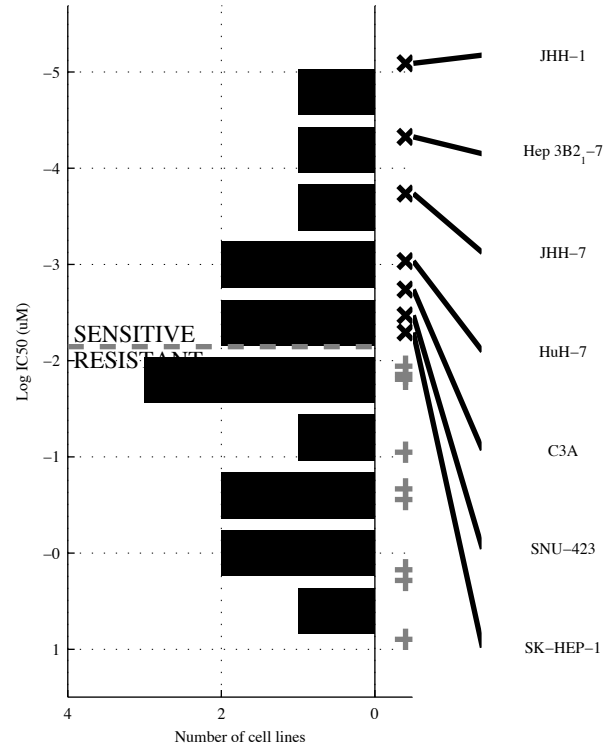
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>IL-1-U</b>	<b>-TP53 &amp; CREBBP</b>	<b>-TP53 &amp; CREBBP</b>	<b>-TP53 &amp; CREBBP</b>	<b>SMARCA4 IL-1-U</b>	<b>[ -TP53 &amp; CREBBP ]   [ -RB1 &amp; IL-1-U ]</b>	<b>ARID1A SMARCA4 VEGF-U</b>	<b>ARID1A CTNNB1 SMARCA4 VEGF-U</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{2}{5} \mid \frac{0}{9}$ 1 0.29	$\frac{3}{4} \mid \frac{1}{8}$ 0.89 0.75 0.43	$\frac{3}{4} \mid \frac{1}{8}$ 0.89 0.75 0.43	$\frac{3}{4} \mid \frac{1}{8}$ 0.89 0.75 0.43	$\frac{3}{4} \mid \frac{0}{9}$ 1 1 0.43	$\frac{5}{2} \mid \frac{1}{8}$ 0.89 0.83 0.71	$\frac{5}{2} \mid \frac{0}{9}$ 1 1 0.71	$\frac{6}{1} \mid \frac{0}{9}$ 1 1 0.86



LHC  
 id: 1372 name: Trametinib  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

16 cell lines  
 7 sensitive

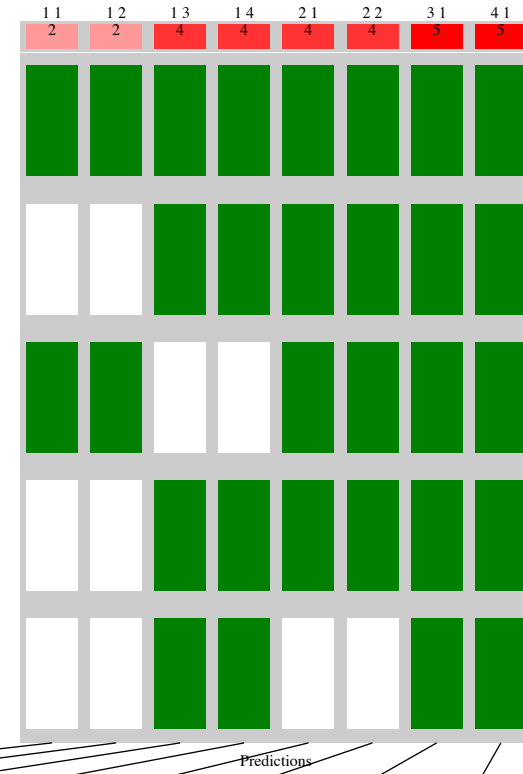
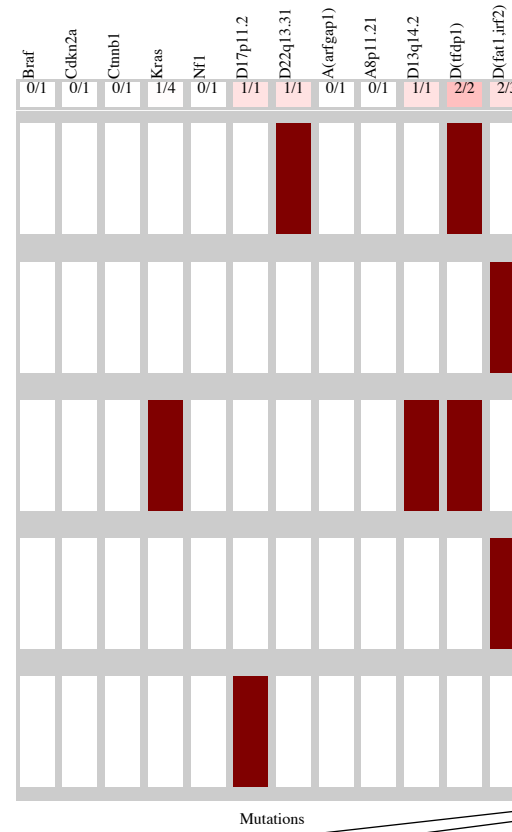
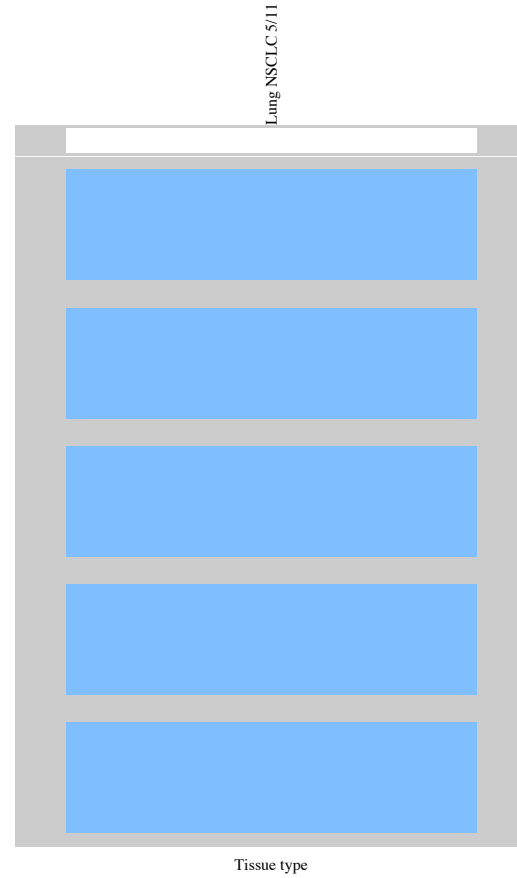
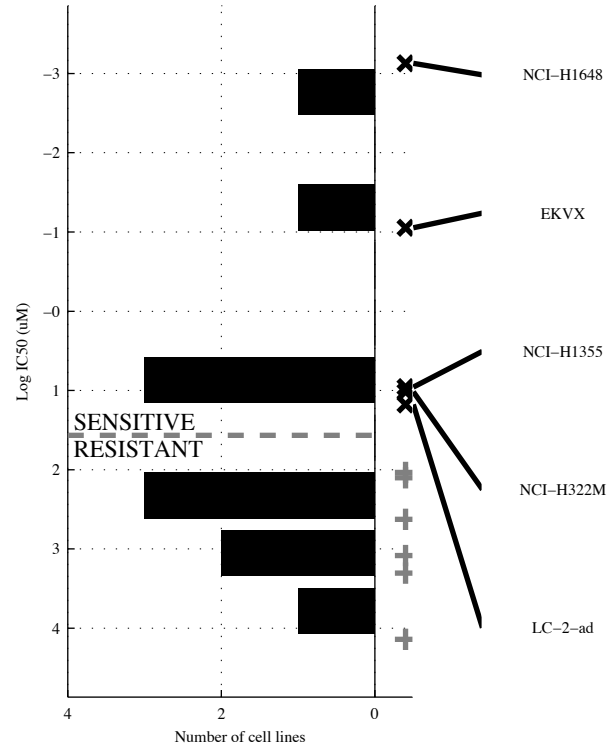
Digestive system 7/16



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>-TP53</b>	<b>-TP53 &amp; CTNNB1</b>	<b>-TP53 &amp; CTNNB1</b>	<b>-TP53 &amp; CTNNB1</b>	<b>CREBBP1 MAPK o</b>	<b>[-TP53 &amp; CTNNB1]   [FAM123 &amp; CTNNB1]</b>	<b>PHLPP1 CREBBP1   MAPK o</b>	<b>PHLPP1 CREBBP1   a6q11.1 MAPK o</b>
TP   FP	4   1	4   0	4   0	4   0	3   0	5   0	4   0	5   0
Specificity	0.89	1	1	1	1	1	1	1
FN   TN	3   8	3   9	3   9	3   9	4   9	2   9	3   9	2   9
Precision	0.8	1	1	1	1	1	1	1
Recall	0.57	0.57	0.57	0.57	0.43	0.71	0.57	0.71

LUAD  
 id: 1 name: Erlotinib  
 target: EGFR class: EGFR signaling

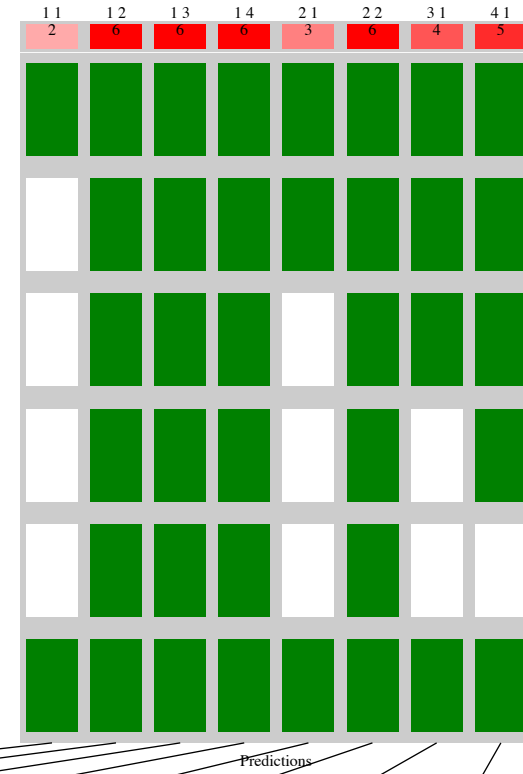
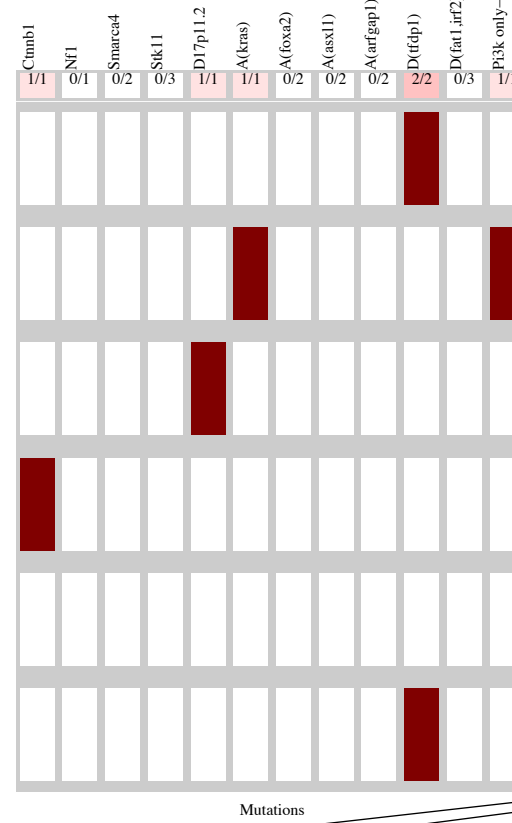
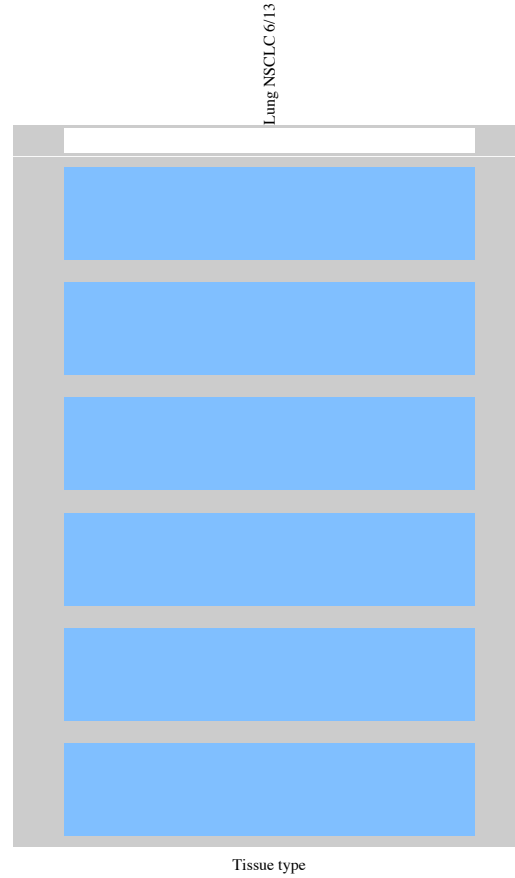
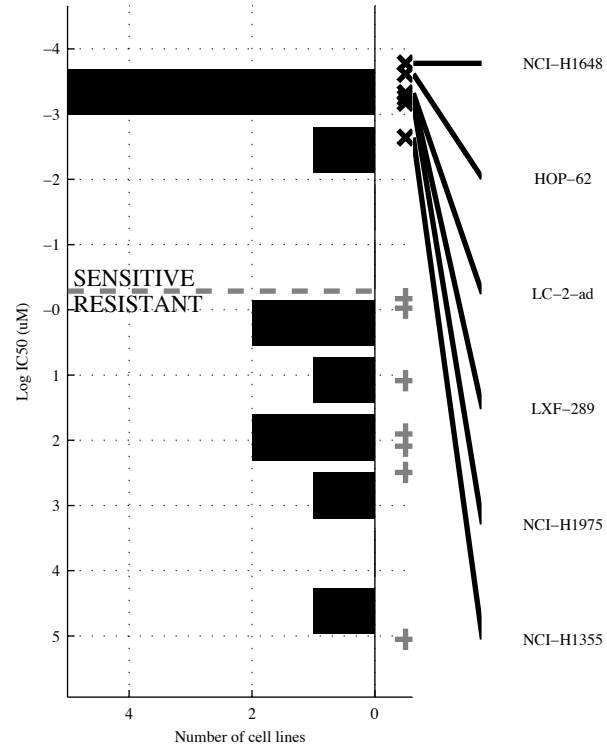
11 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d(TFDP)</b>	<b>d(TFDP&amp;</b>	<b>-BRAFF&amp;CDKN2&amp;</b> <b>-KRAS</b>	<b>-CTNNB&amp;-KRAS&amp;</b> <b>-NF1 &amp;a(ARFG</b>	<b>d(TFDP   d(FAT1</b>	<b>[ d(TFDP&amp;</b> <b> </b> <b>[ -a8p11.&amp;d(FAT1]</b>	<b>d17p11   d(TFDP  </b> <b>d(FAT1</b>	<b>d17p11   d22q13  </b> <b>d13q14   d(FAT1</b>
TP   FP	2   0	2   0	4   1	4   0	4   1	4   0	5   1	5   1
FN   TN	3   6	3   6	1   5	1   6	1   5	1   6	0   5	0   5
Specificity	1	1	0.83	1	0.83	1	0.83	0.83
Precision	1	1	0.8	1	0.8	1	0.83	0.83
Recall	0.4	0.4	0.8	0.8	0.8	0.8	1	1

LUAD  
 id: 51 name: Dasatinib  
 target: ABL, SRC, KIT, PDGFR class: ABL signaling

13 cell lines  
 6 sensitive

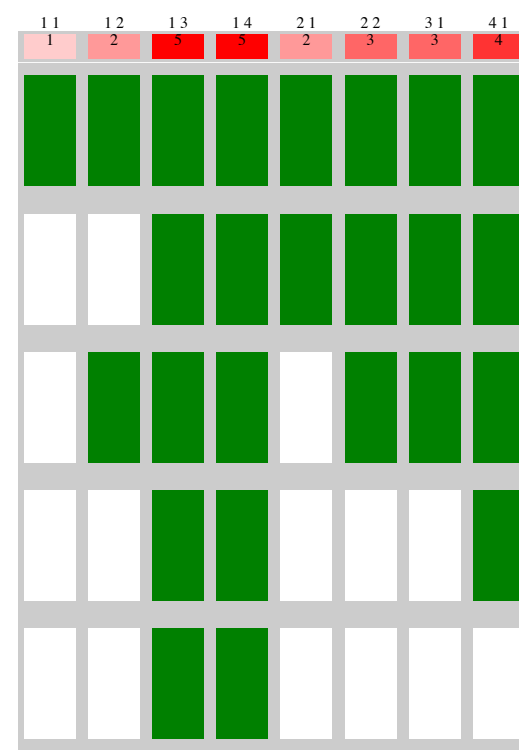
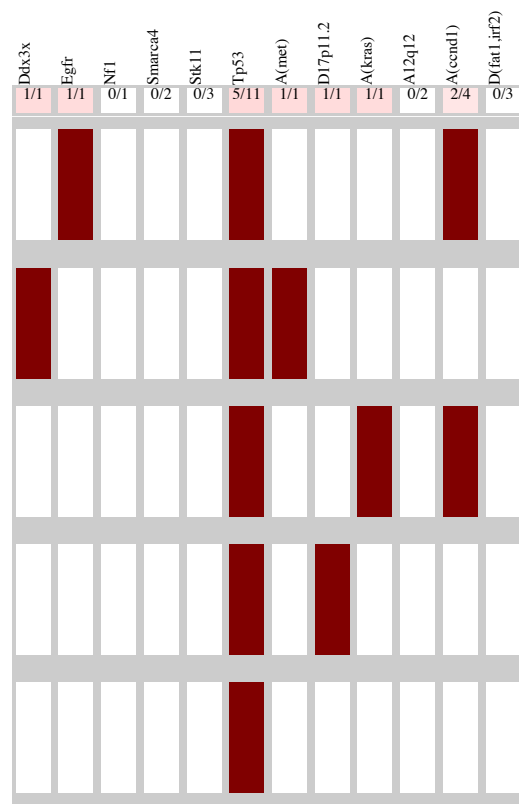
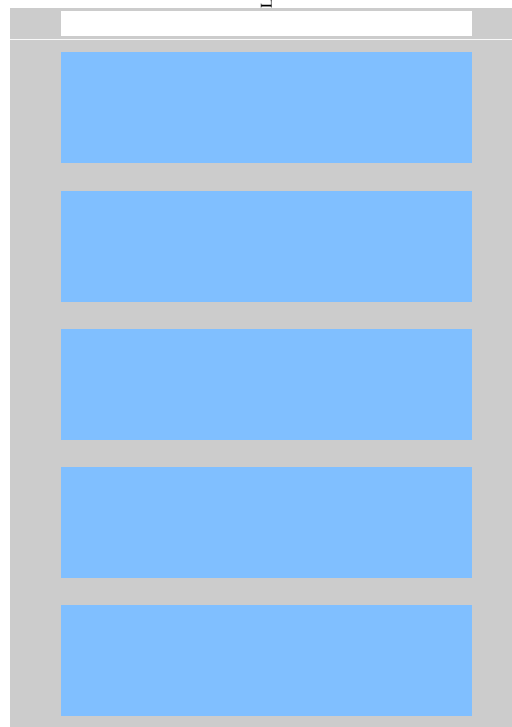
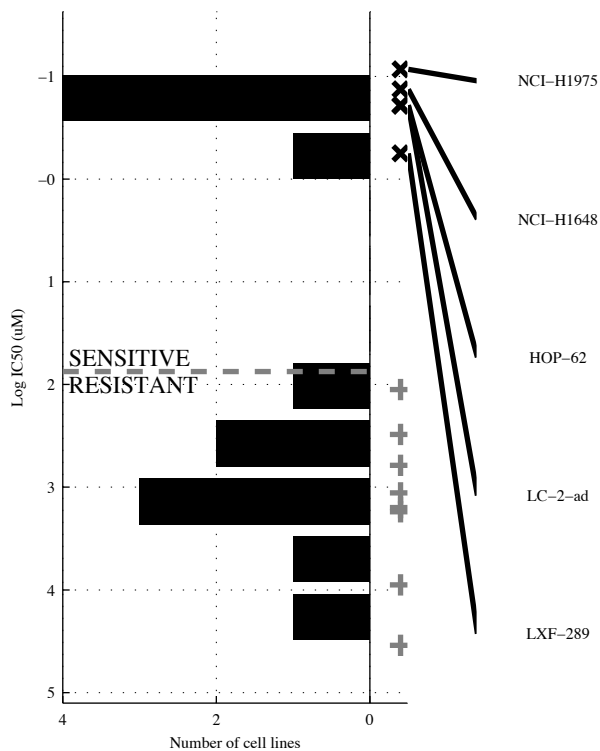


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d(TFDP)</b>	<b>~STK11 &amp; ~d(FAT1)</b>	<b>~SMARCA4 &amp; a(FOXO2) &amp; ~d(FAT1)</b>	<b>~NF1 &amp; SMARCA4 &amp; ~a(FOXO2) &amp; a(ASXL1)</b>	<b>a(KRAS)   d(TFDP)</b>	<b>[ ~STK11 &amp; ~d(FAT1) ]   [ ~a(ARFGAP1) &amp; PI3K only-down ]</b>	<b>d17p11   a(KRAS)   d(TFDP)</b>	<b>CTNNB1   d17p11   a(KRAS)   d(TFDP)</b>
TP   FP	2   0	6   1	6   1	6   1	3   0	6   1	4   0	5   0
Specificity	1	0.86	0.86	0.86	1	0.86	1	1
FN   TN	4   7	0   6	0   6	0   6	3   7	0   6	2   7	1   7
Precision	1	0.86	0.86	0.86	1	0.86	1	1
Recall	0.33	1	1	1	0.5	1	0.67	0.83

LUAD  
 id: 55 name: A-770041  
 target: SRC family class: other

13 cell lines  
 5 sensitive

Lung NSCLC 5/13

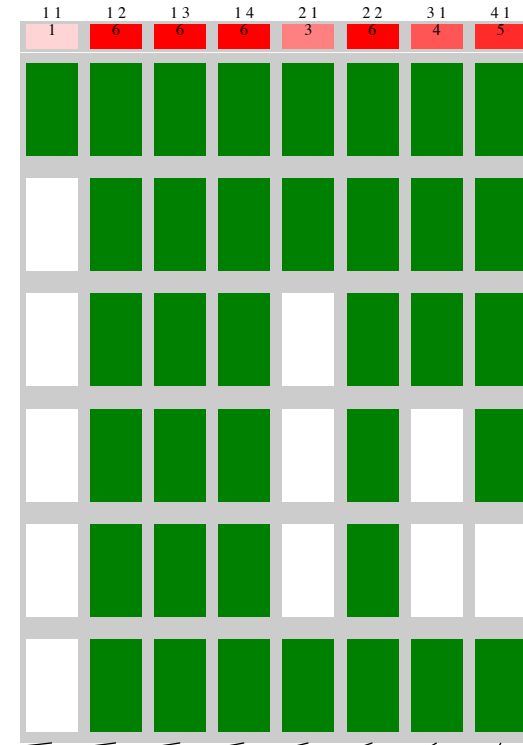
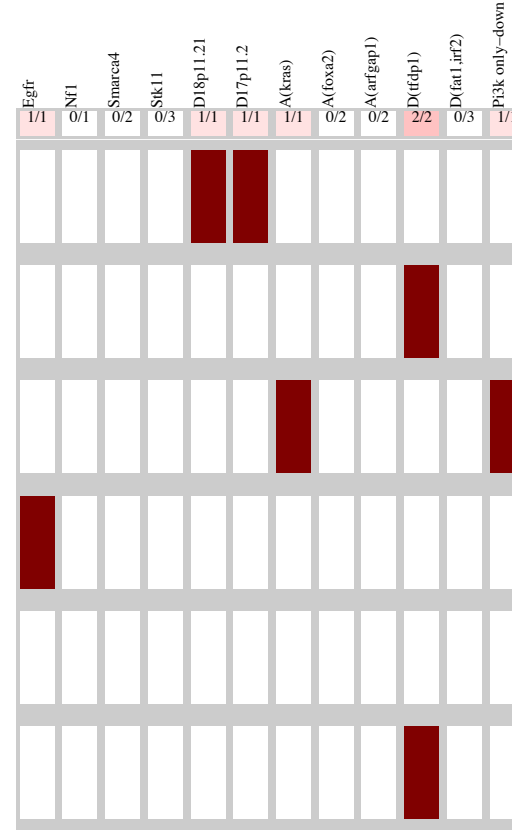
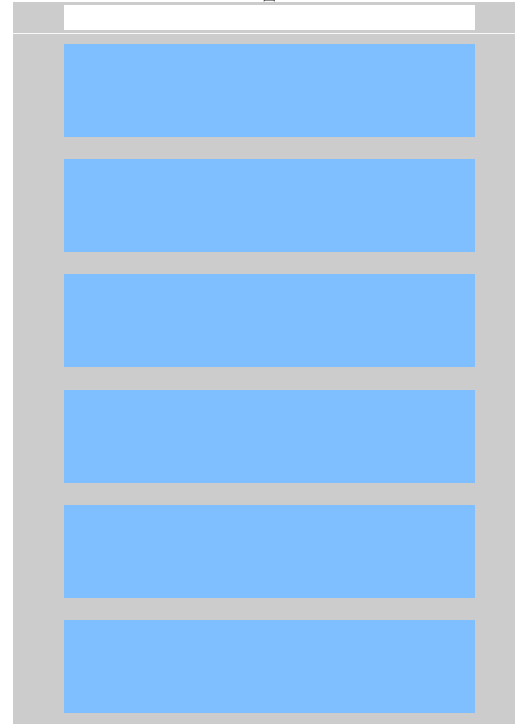
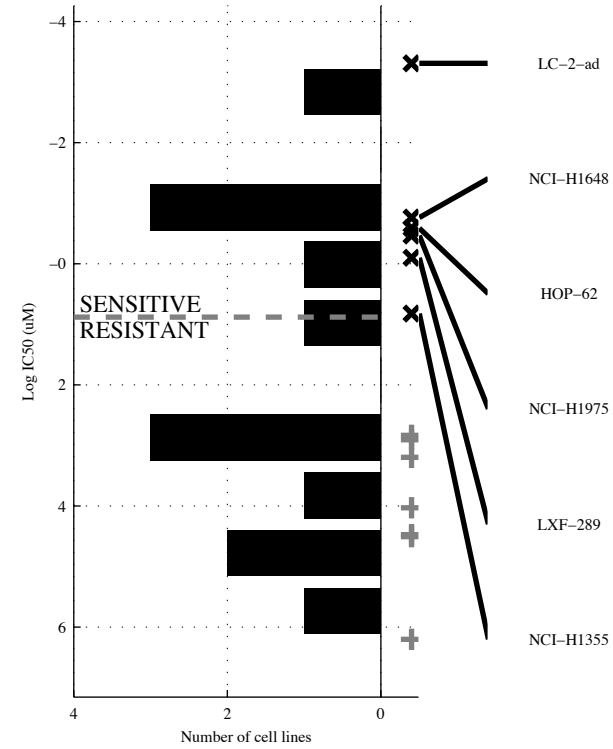


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>EGFR</b>	<b>SMARCA4 &amp; CCND1</b>	<b>STK11 &amp; TP53 &amp; FAT1</b>	<b>NF1 &amp; SMARCA4 &amp; TP53 &amp; A12Q12</b>	<b>DDX3X   EGFR</b>	<b>SMARCA4 &amp; CCND1</b>	<b>DDX3X   EGFR   KRAS</b>	<b>DDX3X   EGFR   TP53 &amp; A12Q12</b>
TP   FP	1   0	2   0	5   1	5   1	2   0	3   0	3   0	4   0
FN   TN	4   8	3   8	0   7	0   7	3   8	2   8	2   8	1   8
Specificity	1	1	0.88	0.88	1	1	1	1
Precision	1	1	0.83	0.83	1	1	1	1
Recall	0.2	0.4	1	1	0.4	0.6	0.6	0.8

LUAD  
 id: 56 name: WH-4-023  
 target: SRC family, ABL class: ABL signaling

13 cell lines  
 6 sensitive

Lung NSCLC 6/13

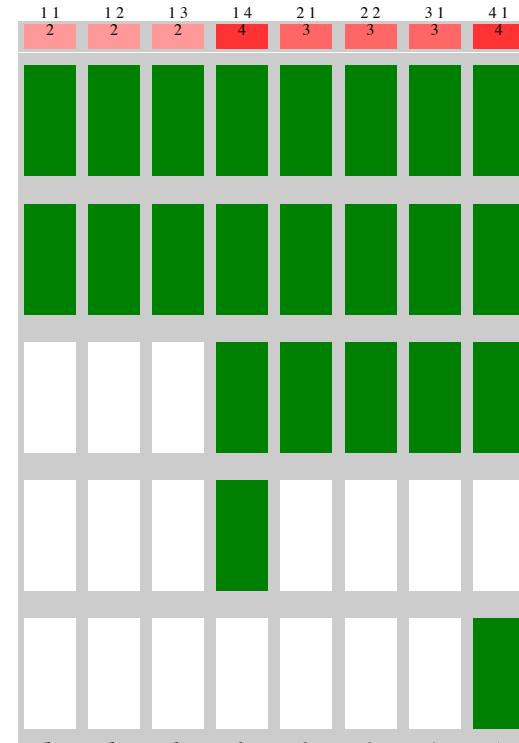
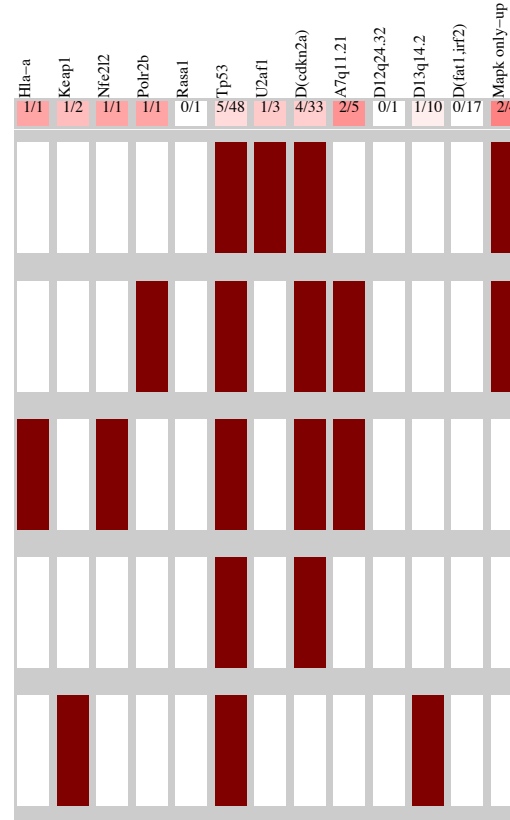
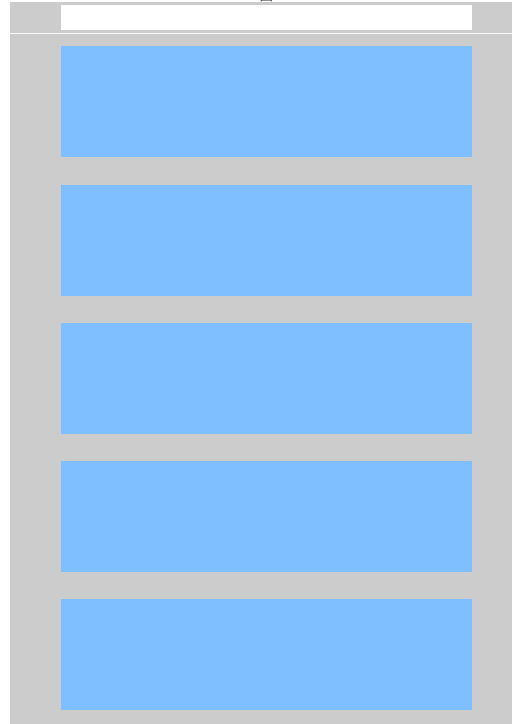
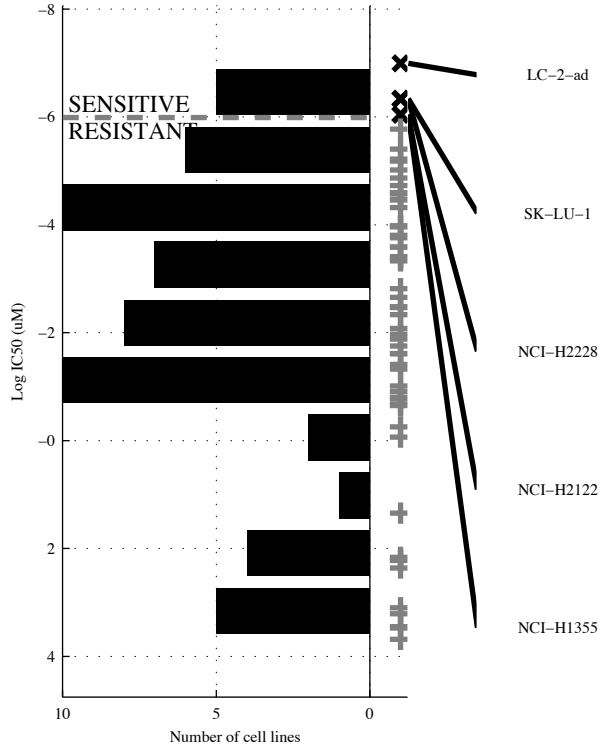


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d18p11</b>	<b>¬STK11 &amp; ¬d(FAT1)</b>	<b>¬SMARC4 &amp; a(FOXO1) &amp; ¬d(FAT1)</b>	<b>¬NF1 &amp; SMARC4 &amp; ¬a(FOXO1) &amp; ¬d(FAT1)</b>	<b>d17p11   d(TFDP1)</b>	<b>[ ¬STK11 &amp; ¬d(FAT1) ]   [ ¬a(ARFGAP1) &amp; PI3K only-down ]</b>	<b>d17p11   a(KRAS)   d(TFDP1)</b>	<b>EGFR   d17p11   a(KRAS)   d(TFDP1)</b>
TP   FP	1   0	6   1	6   1	6   1	3   0	6   1	4   0	5   0
FN   TN	5   7	0   6	0   6	0   6	3   7	0   6	2   7	1   7
Specificity	1	0.86	0.86	0.86	1	0.86	1	1
Precision	1	0.86	0.86	0.86	1	0.86	1	1
Recall	0.17	1	1	1	0.5	1	0.67	0.83

LUAD  
 id: 135 name: Gemcitabine  
 target: DNA replication class: DNA replication

58 cell lines  
 5 sensitive

Lung NSCLC: 5/58

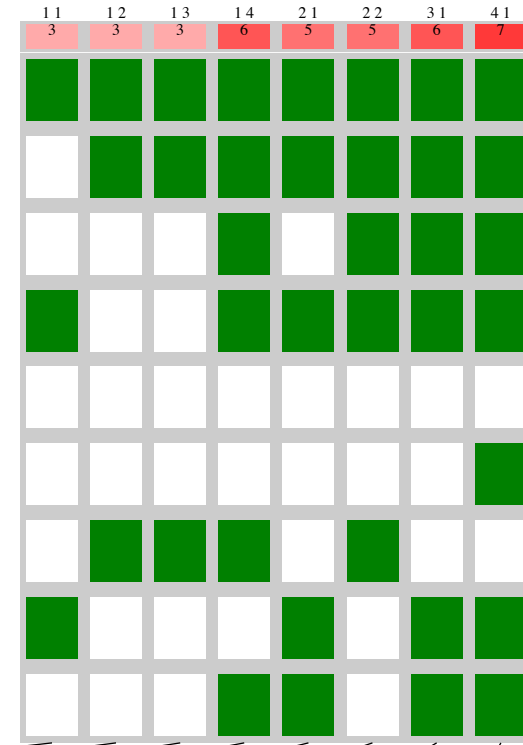
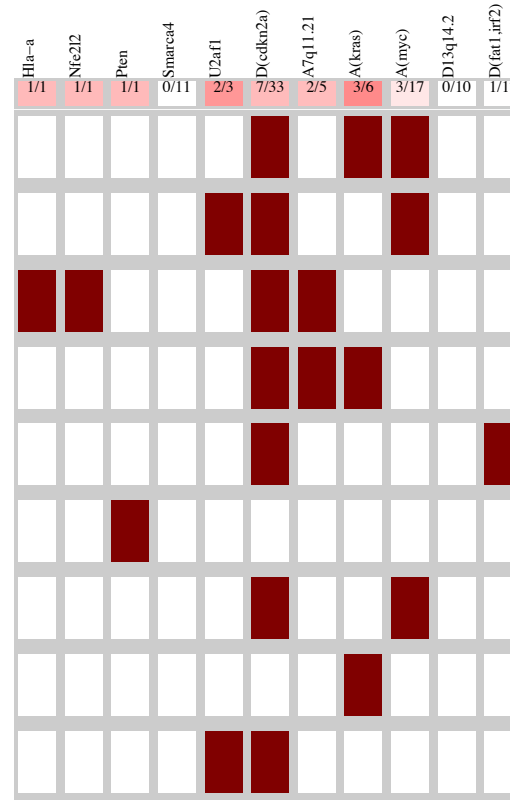
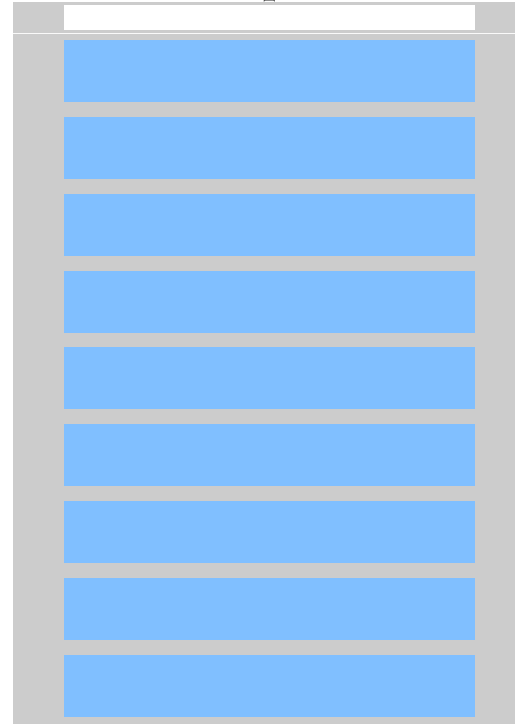
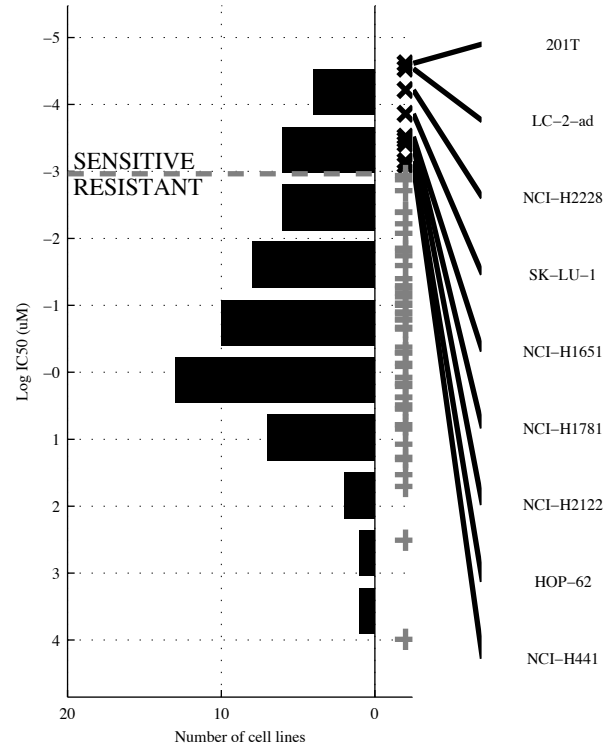


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MAPK o</b>	<b>TP53 &amp; MAPK o</b>	<b>~RASA1 &amp; TP53 &amp; MAPK o</b>	<b>TP53 &amp; (CDKN2A &amp; ~d13q14 &amp; ~d(FAT1))</b>	<b>U2AF1   a7q11.</b>	<b>[NFE2L2 &amp; ~d12q24]   [d(CDKN2A &amp; MAPK o)]</b>	<b>HLA-A   POLR2B   U2AF1</b>	<b>HLA-A   KEAP1   POLR2B   U2AF1</b>
TP   FP	2   2	2   0	2   0	4   10	3   5	3   0	3   2	4   3
Specificity	0.96	1	1	0.81	0.91	1	0.96	0.94
FN   TN	3   51	3   53	3   53	1   43	2   48	2   53	2   51	1   50
Precision	0.5	1	1	0.29	0.38	1	0.6	0.57
Recall	0.4	0.4	0.4	0.8	0.6	0.6	0.6	0.8

LUAD  
 id: 136 name: Mitomycin C  
 target: DNA crosslinker class: DNA replication

58 cell lines  
 9 sensitive

Lung NSCLC 9/58

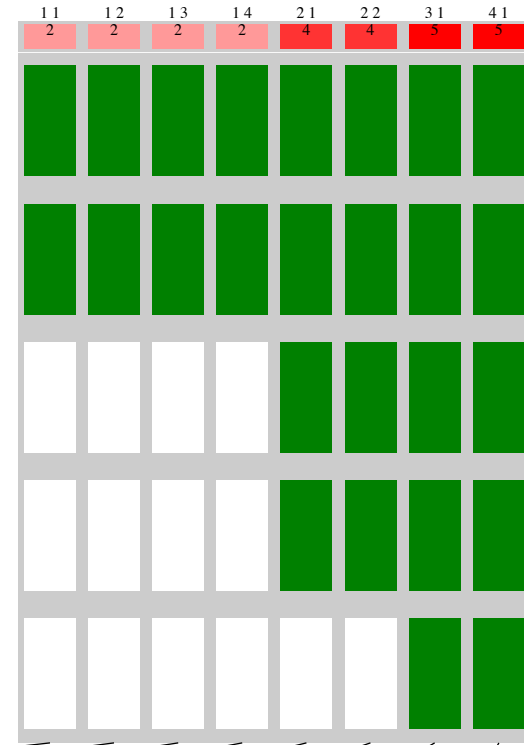
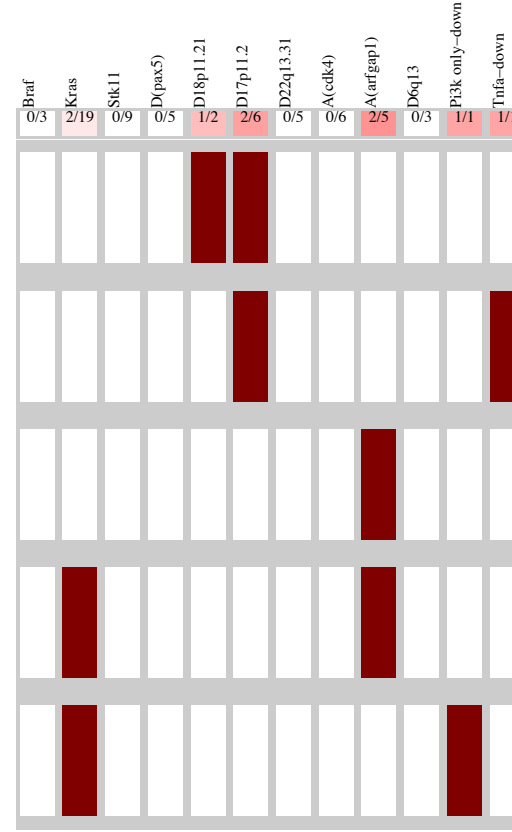
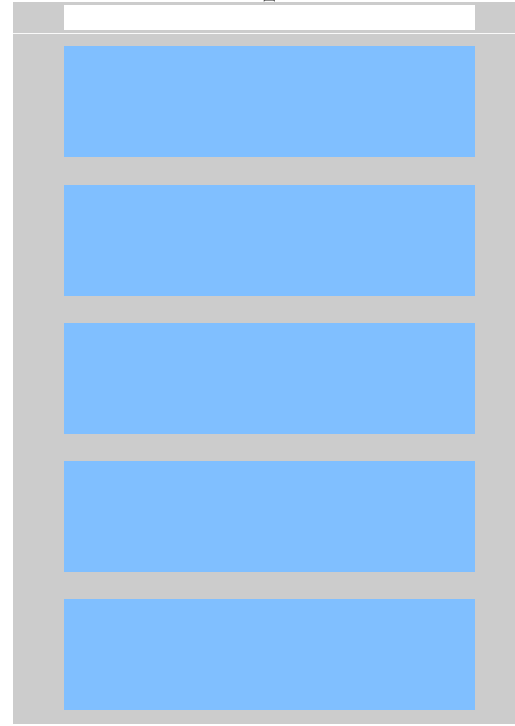
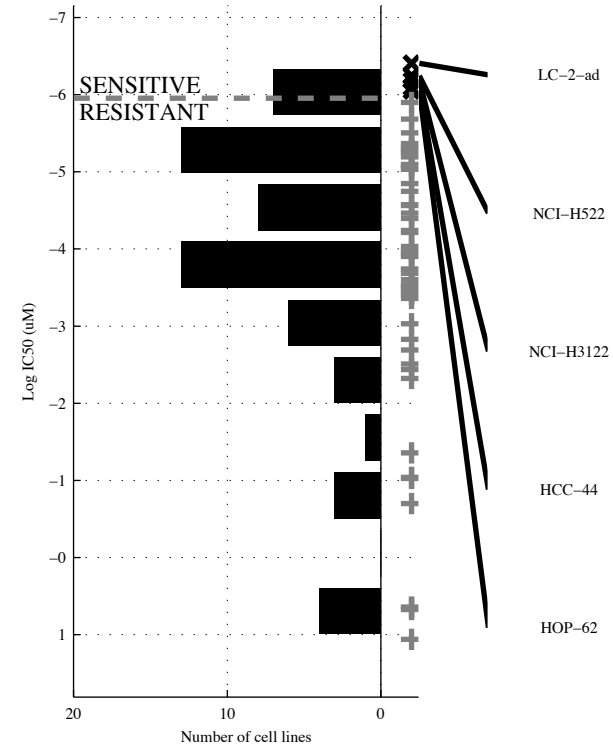


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a(KRAS)</b>	<b>d(CDKN2A) &amp; a(MYC)</b>	<b>-SMARCA4 &amp; d(CDKN2A) &amp; a(MYC)</b>	<b>-SMARCA4 &amp; d(CDKN2A) &amp; -d13q14 &amp; -d(FAT1)</b>	<b>U2AF1   a(KRAS)</b>	<b>[ a7q11.21 &amp; a(MYC) ]   [d(CDKN2A) &amp; a(MYC)]</b>	<b>NFE2L2   U2AF1   a(KRAS)</b>	<b>HLA-A   PTEN   U2AF1   a(KRAS)</b>
TP   FP	3   3	3   6	3   4	6   9	5   4	5   7	6   4	7   4
Specificity	0.94	0.88	0.92	0.82	0.92	0.86	0.92	0.92
FN   TN	6   46	6   43	6   45	3   40	4   45	4   42	3   45	2   45
Precision	0.5	0.33	0.43	0.4	0.56	0.42	0.6	0.64
Recall	0.33	0.33	0.33	0.67	0.56	0.56	0.67	0.78

LUAD  
 id: 140 name: Vinorelbine  
 target: Microtubules class: cytoskeleton

58 cell lines  
 5 sensitive

Lung NSCLC: 5/58

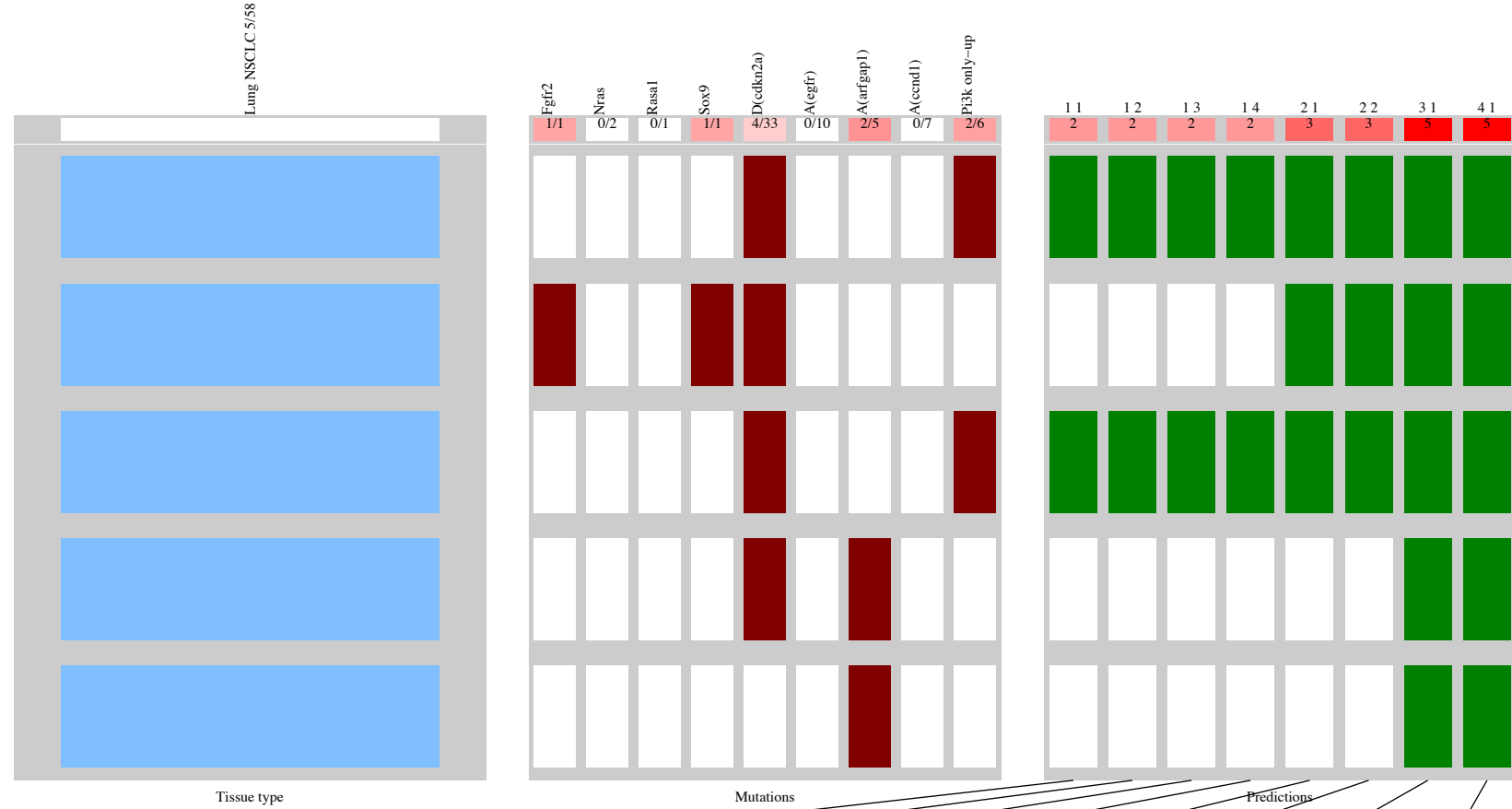
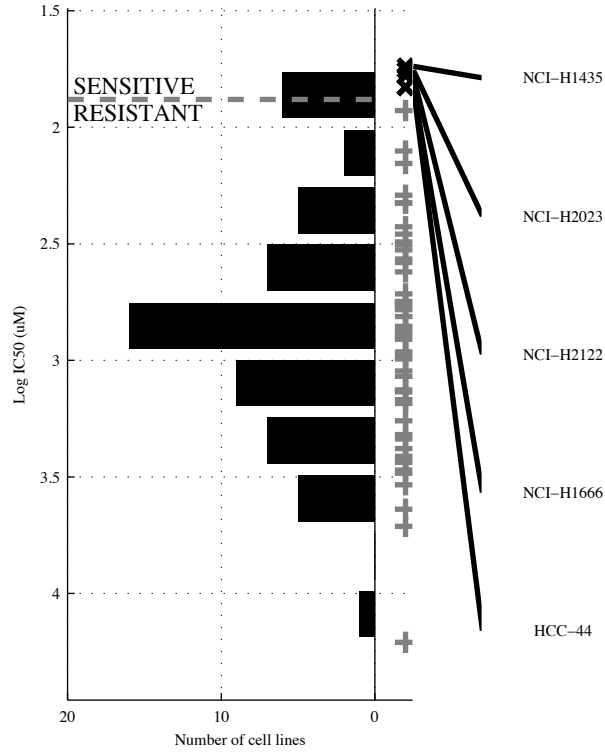


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d17p11</b>	<b>d17p11 &amp; ~d22q13</b>	<b>~KRAS &amp; ~d(PAX5) &amp; d17p11</b>	<b>~BRAF &amp; ~d(PAX5) &amp; d17p11 &amp; a(CDK4)</b>	<b>d17p11   a(ARFG)</b>	<b>[ d17p11 &amp; ~d6q13 ]   [ ~STK11 &amp; a(ARFG) ]</b>	<b>d17p11   a(ARFG)   PI3K o</b>	<b>d18p11   a(ARFG)   PI3K o   TNFa-D</b>
TP   FP Specificity	2   4 0.92	2   2 0.96	2   1 0.98	2   0 1	4   7 0.87	4   2 0.96	5   7 0.87	5   4 0.92
FN   TN Precision	3   49 0.33	3   51 0.5	3   52 0.67	3   53 1	1   46 0.36	1   51 0.67	0   46 0.42	0   49 0.56
Recall	0.4	0.4	0.4	0.4	0.8	0.8	1	1



LUAD  
 id: 150 name: Bicalutamide  
 target: ANDR (androgen receptor) class: other

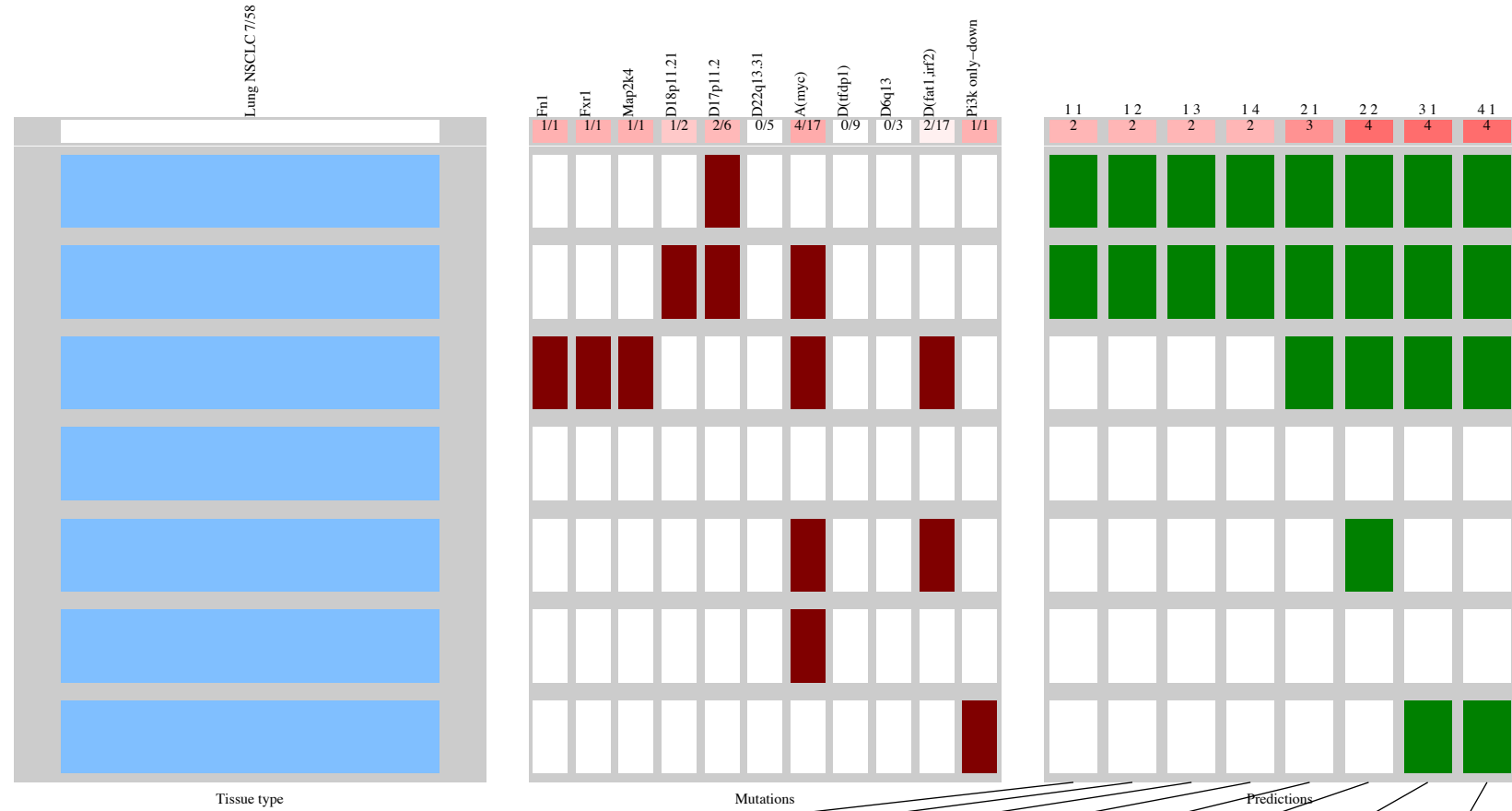
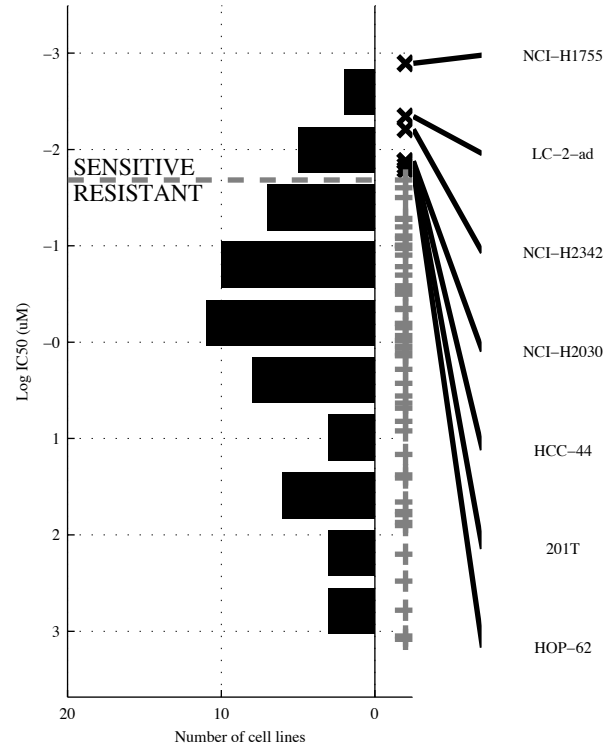
58 cell lines  
 5 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>PI3K o</b>		<b>d(CDKN &amp; PI3K o</b>		<b>¬NRAS &amp; d(CDKN &amp; PI3K o</b>		<b>¬NRAS &amp; ¬RASA1 &amp; ¬a(EGFR &amp; PI3K o</b>		<b>FGFR2   PI3K o</b>		<b>[d(CDKN &amp; PI3K o)   [SOX9 &amp; a(CCND)]</b>		<b>FGFR2   a(ARFG   PI3K o</b>		<b>FGFR2   a(ARFG   PI3K o  </b>	
TP   FP Specificity	2   4	0.92	2   1	0.98	2   0	1	2   0	1	3   4	0.92	3   1	0.98	5   7	0.87	5   7	0.87
FN   TN Precision	3   49	0.33	3   52	0.67	3   53	1	3   53	1	2   49	0.43	2   52	0.75	0   46	0.42	0   46	0.42
Recall	0.4		0.4		0.4		0.4		0.6		0.6		1		1	

LUAD  
 id: 153 name: Midostaurin  
 target: KIT class: RTK signaling

58 cell lines  
 7 sensitive

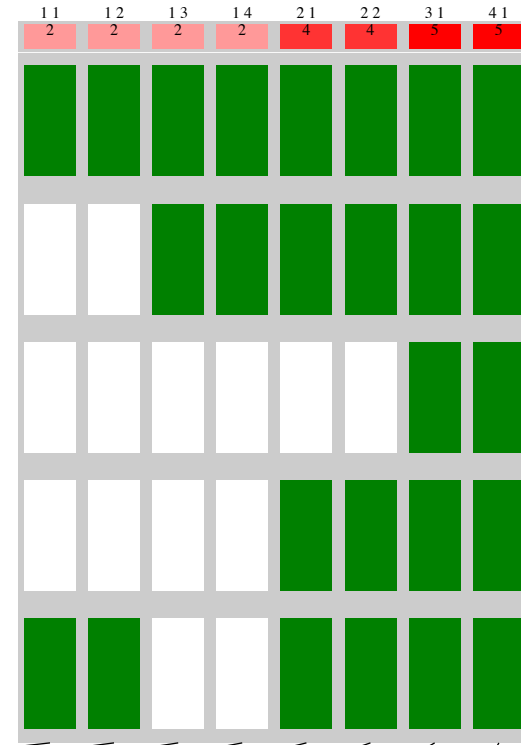
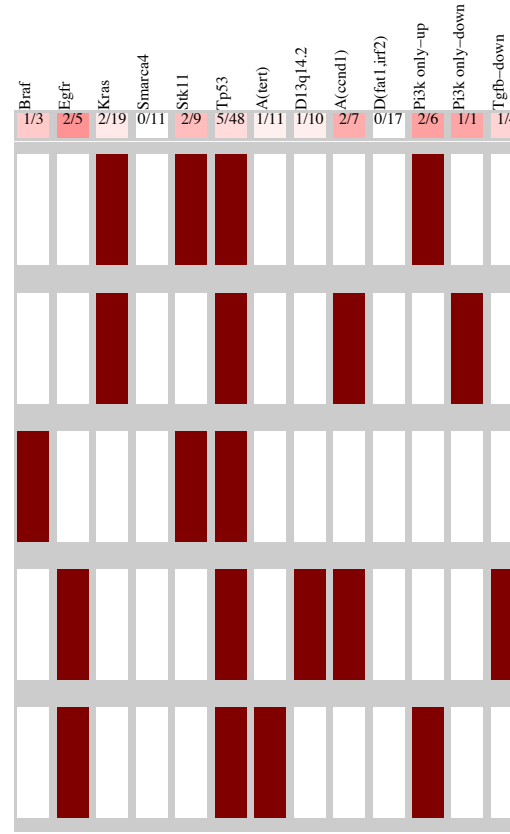
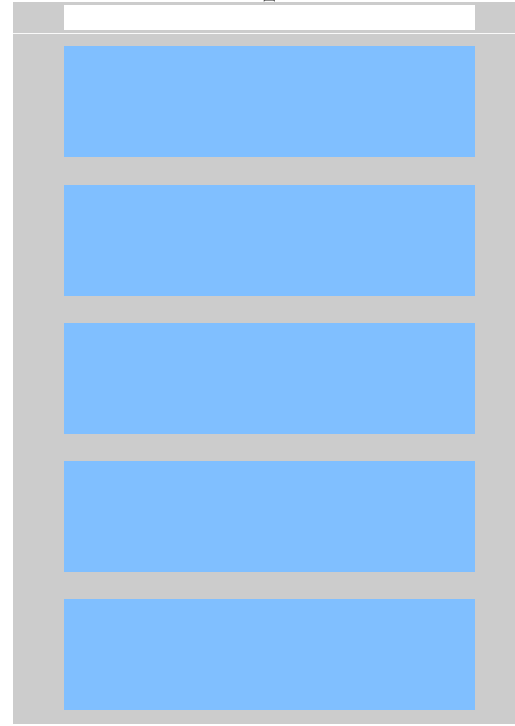
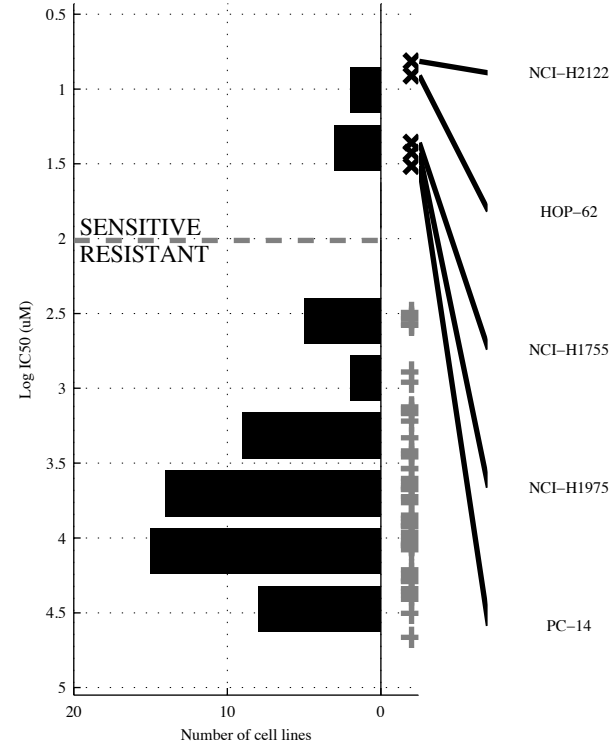


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d17p11</b>	<b>d17p11 &amp; ~d(FAT1)</b>	<b>d17p11 &amp; ~d22q13 &amp; ~d(TFDP)</b>	<b>d17p11 &amp; d(TFDI &amp; ~d6q13 &amp;</b>	<b>FXR1   d17p11</b>	<b>[ d17p11 &amp; ~d(FAT1)   [ a(MYC) &amp; d(FAT1) ]</b>	<b>MAP2K4   d17p11   PI3K o</b>	<b>FN1   d18p11   d17p11   PI3K o</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{2}{5} \mid \frac{4}{47}$ 0.92 0.33 0.29	$\frac{2}{5} \mid \frac{1}{50}$ 0.98 0.67 0.29	$\frac{2}{5} \mid \frac{0}{51}$ 1 1 0.29	$\frac{2}{5} \mid \frac{0}{51}$ 1 1 0.29	$\frac{3}{4} \mid \frac{4}{47}$ 0.92 0.43 0.43	$\frac{4}{3} \mid \frac{2}{49}$ 0.96 0.67 0.57	$\frac{4}{3} \mid \frac{4}{47}$ 0.92 0.5 0.57	$\frac{4}{3} \mid \frac{4}{47}$ 0.92 0.5 0.57

LUAD  
 id: 154 name: CHIR-99021  
 target: GSK3B class: WNT signaling

58 cell lines  
 5 sensitive

Lung NSCLC: 5/58

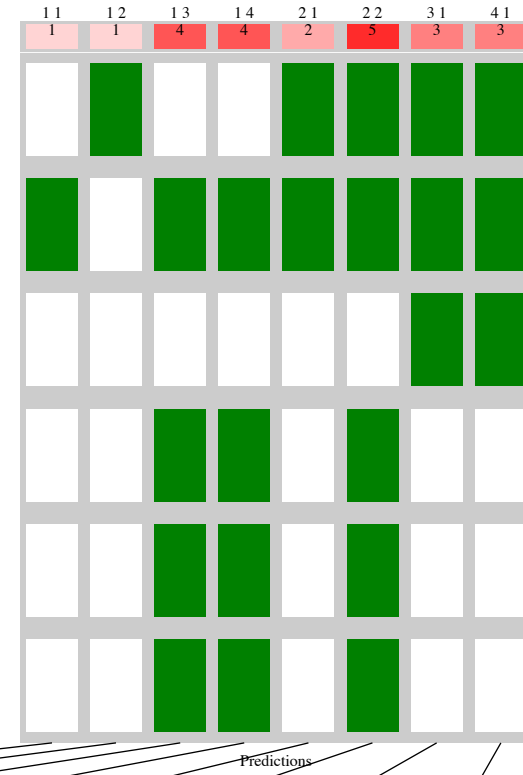
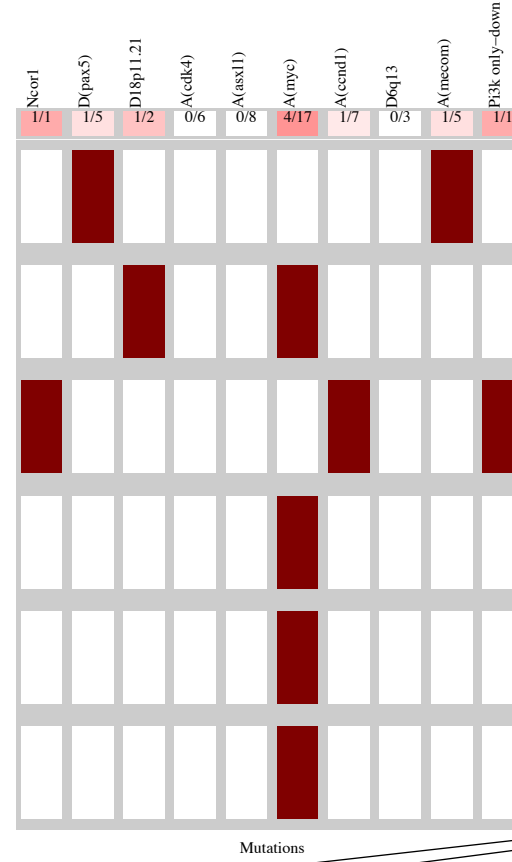
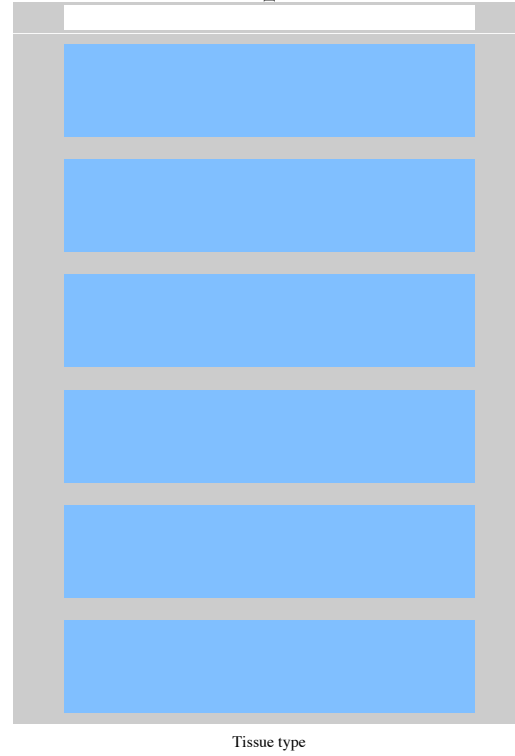
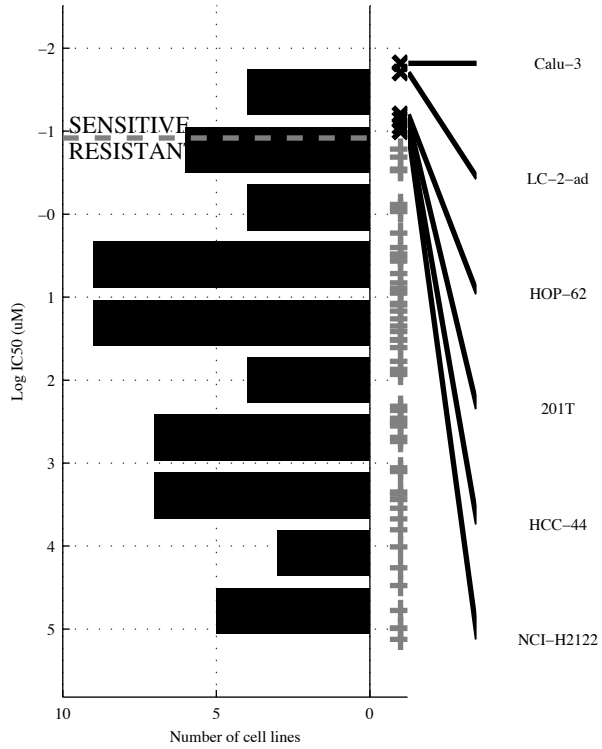


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>PI3K o</b>	<b>~d(FAT &amp; PI3K o</b>	<b>KRAS &amp; a(TER &amp;</b> <b>~d13q14</b>	<b>KRAS &amp; TP53 &amp;</b> <b>~a(TER &amp; ~d13q14</b>	<b>a(CCND   PI3K o</b>	<b>[~d(FAT &amp; PI3K o ]</b> <b> </b> <b>~[SMARC &amp; a(CCND]</b>	<b>EGFR   STK11  </b> <b>PI3K o</b>	<b>BRAF   PI3K o  </b> <b>PI3K o   TGFB-D</b>
TP   FP Specificity	2   4 0.92	2   1 0.98	2   6 0.89	2   3 0.94	4   9 0.83	4   3 0.94	5   10 0.81	5   8 0.85
FN   TN Precision	3   49 0.33	3   52 0.67	3   47 0.25	3   50 0.4	1   44 0.31	1   50 0.57	0   43 0.33	0   45 0.38
Recall	0.4	0.4	0.4	0.4	0.8	0.8	1	1

LUAD  
 id: 164 name: JQ12  
 target: HDAC class: chromain histone acetylation

58 cell lines  
 6 sensitive

Lung NSCLC 6/58

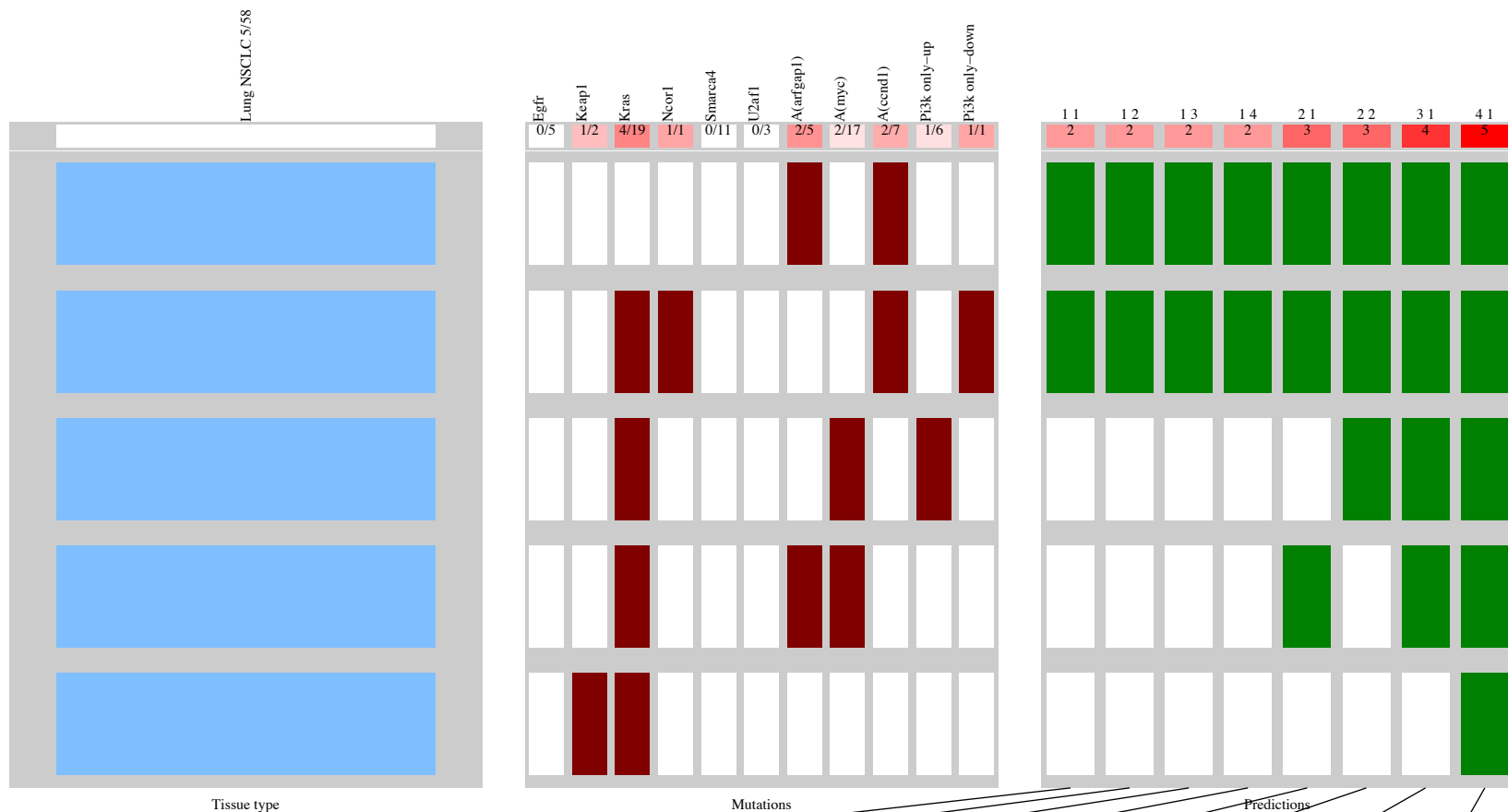
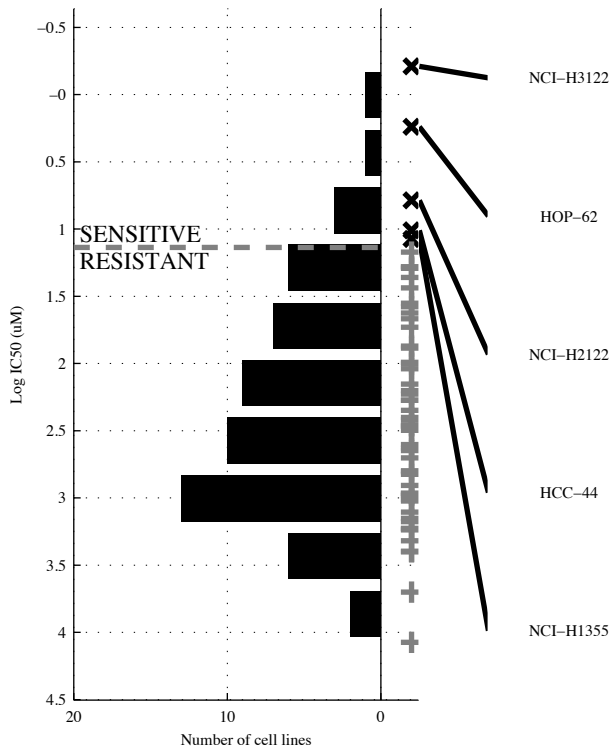


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d18p11</b>	<b>d(PAX5 &amp; a(MECO</b>	<b>~a(CDK &amp; a(ASX1 &amp; a(MYC)</b>	<b>~a(CDK &amp; a(ASX1 &amp; a(MYC) &amp; a(CCND</b>	<b>d(PAX5   d18p11</b>	<b>[~a(ASX1 &amp; a(MYC)   [ d(PAX5 &amp; ~d6q13 ]</b>	<b>d(PAX5   d18p11   PI3K o</b>	<b>NCOR1   d(PAX5   d18p11   PI3K o</b>
TP   FP Specificity	1   1 0.98	1   0 1	4   4 0.92	4   1 0.98	2   4 0.92	5   10 0.81	3   4 0.92	3   4 0.92
FN   TN Precision	5   51 0.5	5   52 1	2   48 0.5	2   51 0.8	4   48 0.33	1   42 0.33	3   48 0.43	3   48 0.43
Recall	0.17	0.17	0.67	0.67	0.33	0.83	0.5	0.5



LUAD  
 id: 166 name: FTI-277  
 target: Farnesyl transferase (FNTA) class: other

58 cell lines  
 5 sensitive

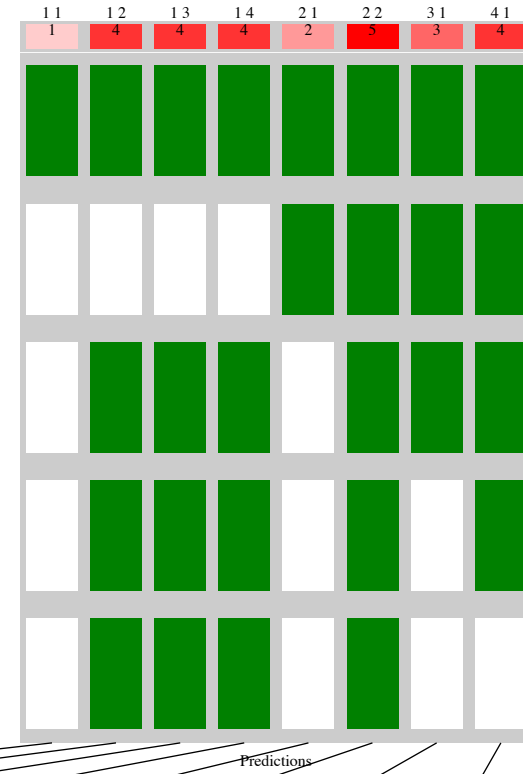
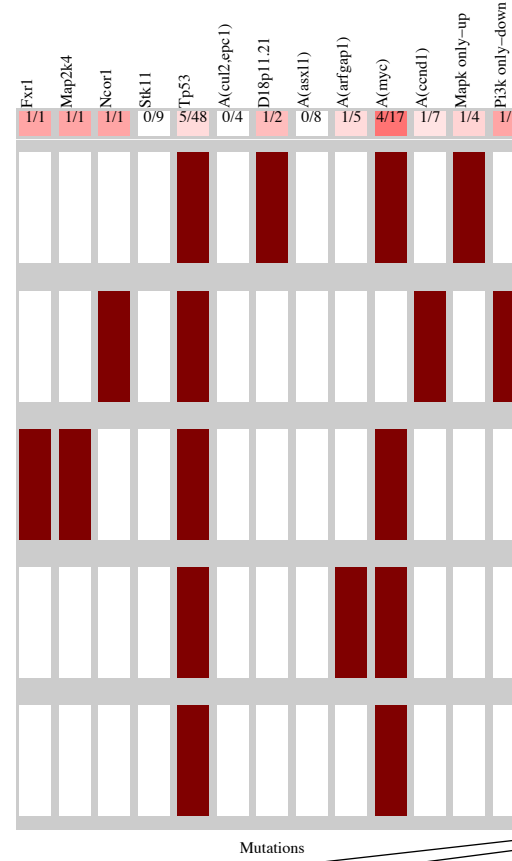
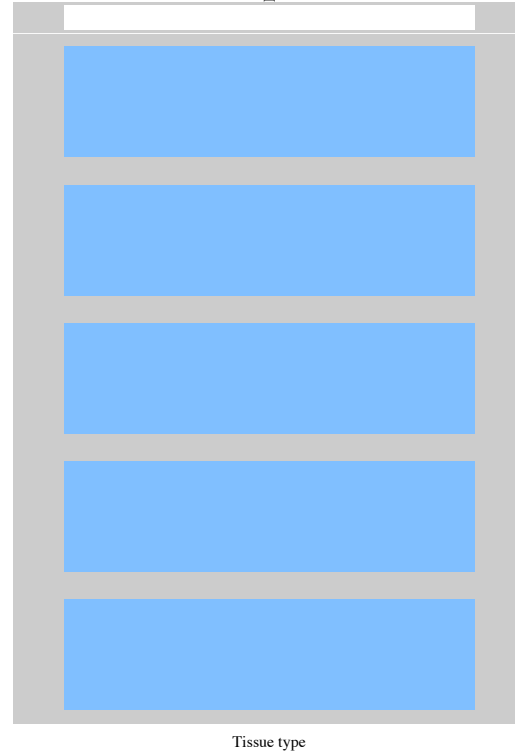
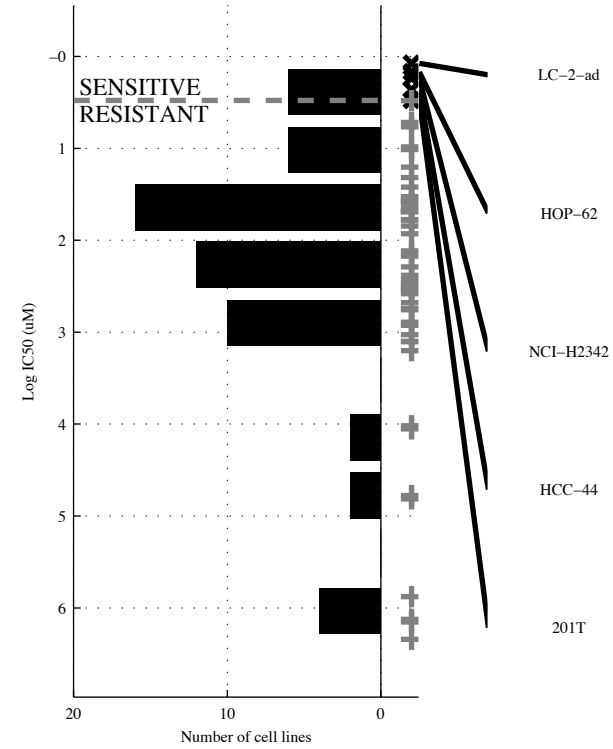


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>a(CCND)</b>	<b>~SMARCA4 &amp; a(CCND)</b>	<b>~SMARCA4 &amp; a(MYC)</b>	<b>~EGFR &amp; SMARCA4 &amp; ~U2AF1 &amp; a(CCND)</b>	<b>NCOR1   a(ARFG)</b>	<b>~SMARCA4 &amp; a(CCND)   [ KRAS &amp; PI3K o ]</b>	<b>a(ARFG)   PI3K o   PI3K o</b>	<b>KEAP1   a(ARFG)   PI3K o   PI3K o</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{2}{3} \mid \frac{5}{48}$ 0.91 0.29 0.4	$\frac{2}{3} \mid \frac{2}{51}$ 0.96 0.5 0.4	$\frac{2}{3} \mid \frac{0}{53}$ 1 1 0.4	$\frac{2}{3} \mid \frac{0}{53}$ 1 1 0.4	$\frac{3}{2} \mid \frac{3}{50}$ 0.94 0.5 0.6	$\frac{3}{2} \mid \frac{2}{51}$ 0.96 0.6 0.6	$\frac{4}{1} \mid \frac{8}{45}$ 0.85 0.33 0.8	$\frac{5}{0} \mid \frac{9}{44}$ 0.83 0.36 1

LUAD  
 id: 167 name: OSU-03012  
 target: PDPK1 (PDK1) class: PI3K signaling

58 cell lines  
 5 sensitive

Lung NSCLC: 5/58

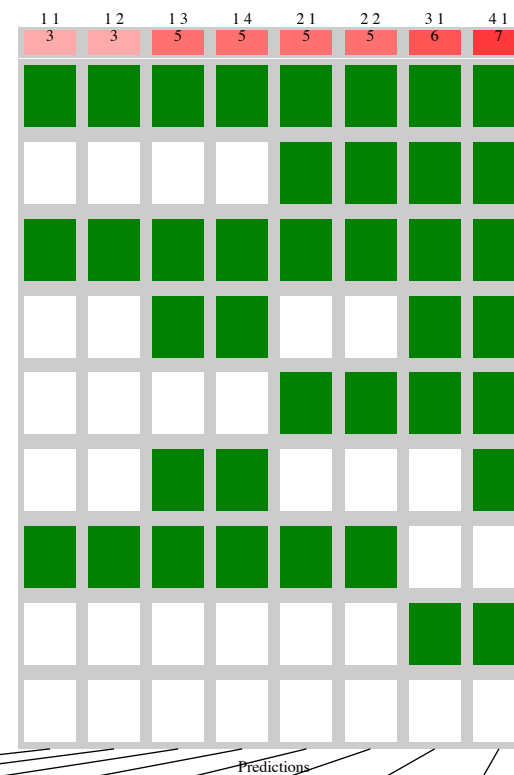
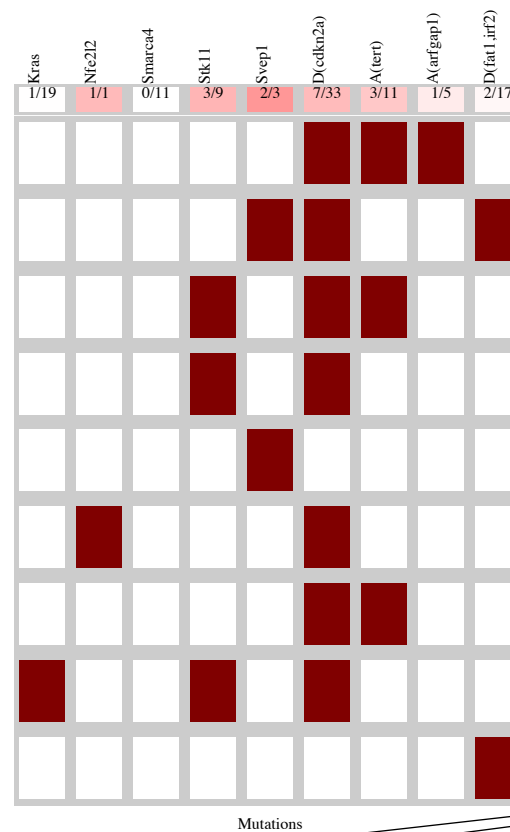
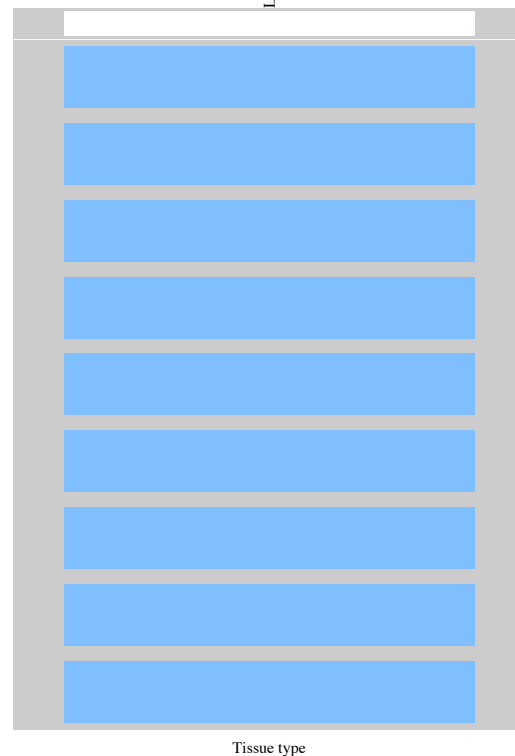
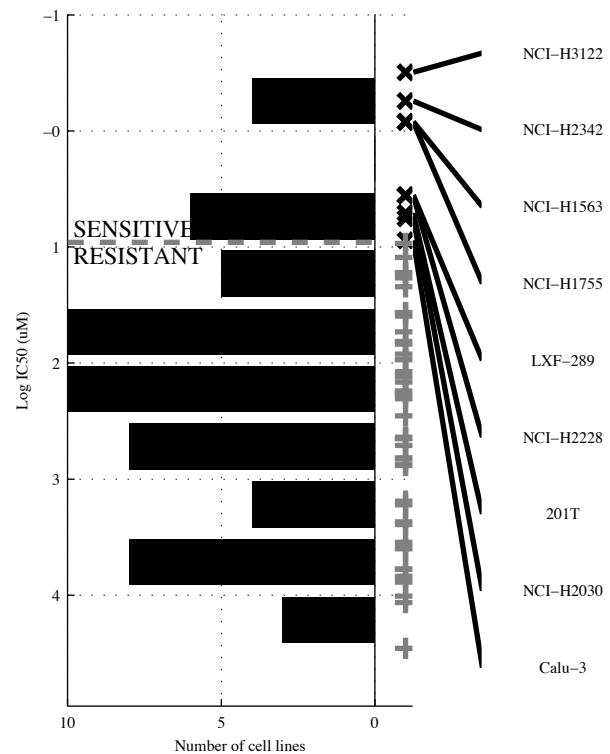


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d18p11</b>	<b>-STK11 &amp; a(MYC)</b>	<b>-STK11 &amp; a(MYC) &amp; a(CCND)</b>	<b>TP53 &amp; a(CUL2) &amp; a(MYC) &amp; a(CCND)</b>	<b>d18p11   PI3K o</b>	<b>[¬a(ASX1 &amp; PI3K o)   ¬STK11 &amp; a(MYC)]</b>	<b>MAP2K4   NCOR1   d18p11</b>	<b>FXR1   a(ARFGAP1)   MAPK o   PI3K o</b>
TP   FP Specificity	1   1 0.98	4   9 0.83	4   7 0.87	4   5 0.91	2   1 0.98	5   9 0.83	3   1 0.98	4   6 0.89
FN   TN Precision	1   52 0.5	1   44 0.31	1   46 0.36	1   48 0.44	3   52 0.67	0   44 0.36	2   52 0.75	1   47 0.4
Recall	4   52 0.2	1   44 0.8	1   46 0.8	1   48 0.8	3   52 0.4	0   44 1	2   52 0.6	1   47 0.8

LUAD  
 id: 171 name: AKT inhibitor VIII  
 target: AKT1, AKT2, AKT3 class: PI3K signaling

58 cell lines  
 9 sensitive

Lung NSCLC 9/58



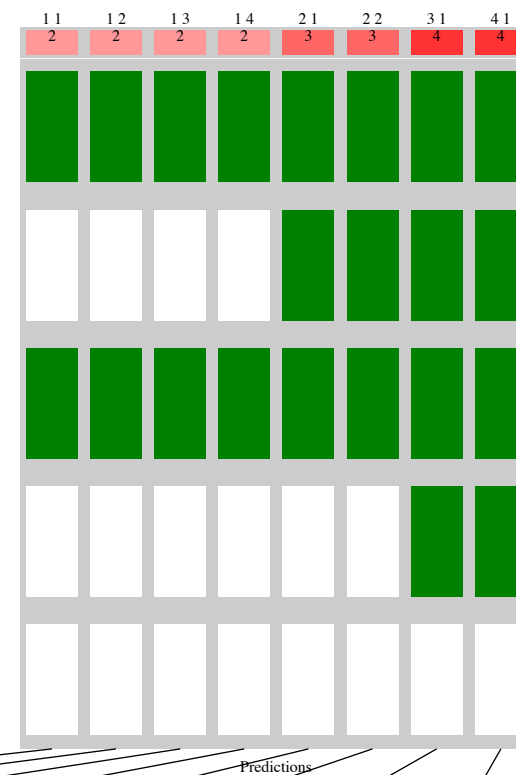
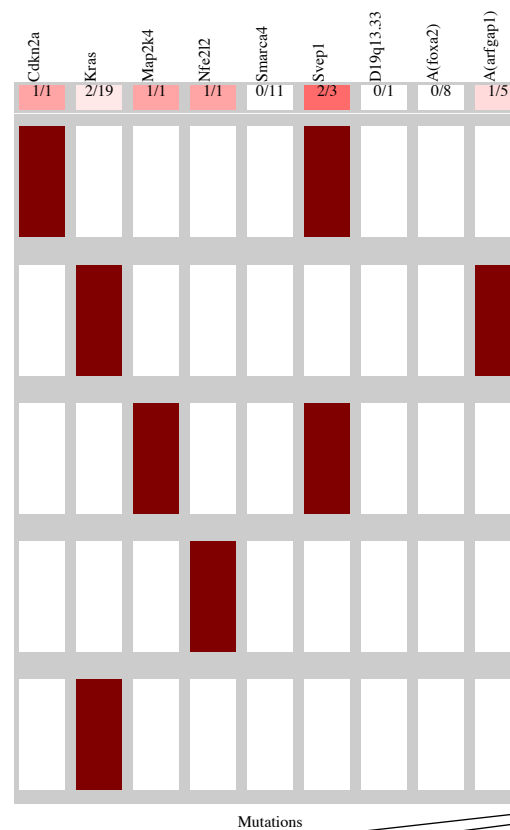
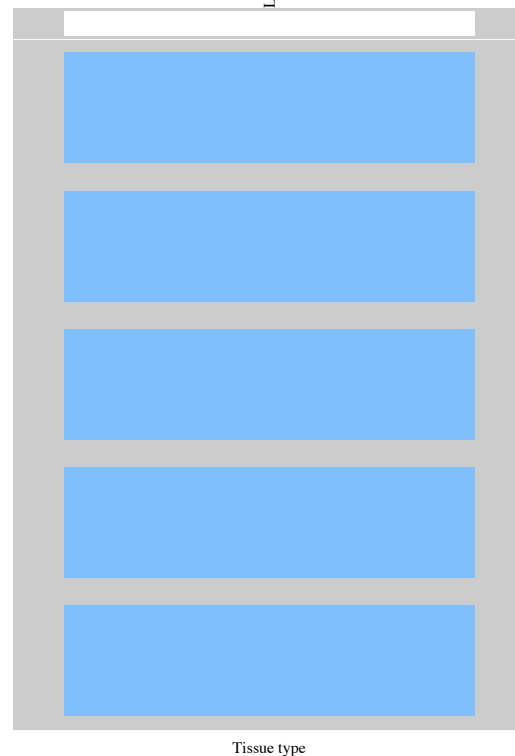
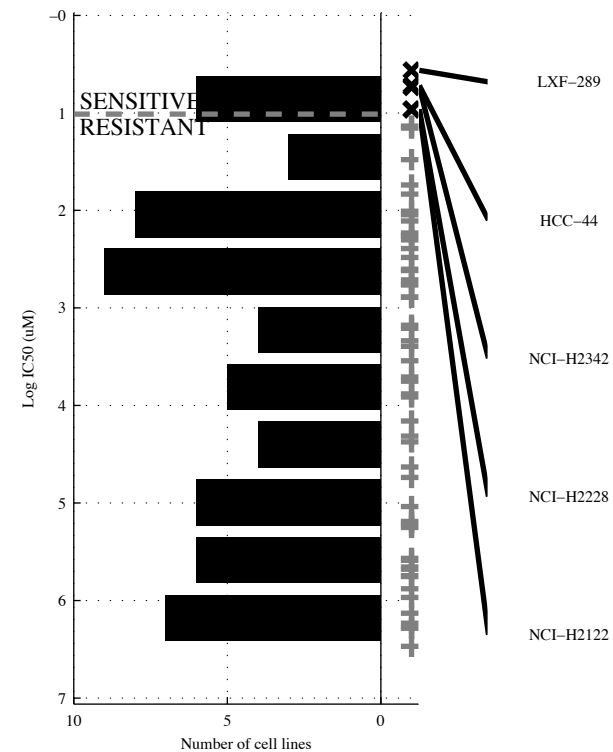
Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	1		1		1		1		2		2		3		4	
M	1		2		3		4		1		2		1		1	
Logic formula	<b>a(TERT)</b>		<b>d(CDKN2A) &amp; a(TERT)</b>		<b>-KRAS &amp; d(CDKN2A)</b>		<b>-KRAS &amp; SMARCA4 &amp; d(CDKN2A)</b>		<b>SVEP1   a(TERT)</b>		<b>[d(CDKN2A) &amp; a(TERT)]   [SMARCA4 &amp; SVEP1]</b>		<b>STK11   SVEP1   a(ARFG)</b>		<b>NFE2L2   STK11   SVEP1   a(ARFG)</b>	
TP   FP	3   8	0.84	3   2	0.96	5   9	0.82	5   7	0.86	5   9	0.82	5   2	0.96	6   8	0.84	7   8	0.84
FN   TN	6   41	0.27	6   47	0.6	4   40	0.36	4   42	0.42	4   40	0.36	4   47	0.71	3   41	0.43	2   41	0.47
Recall	0.33		0.33		0.56		0.56		0.56		0.56		0.67		0.78	



LUAD  
 id: 177 name: GSK-650394  
 target: SGK3 class: other

58 cell lines  
 5 sensitive

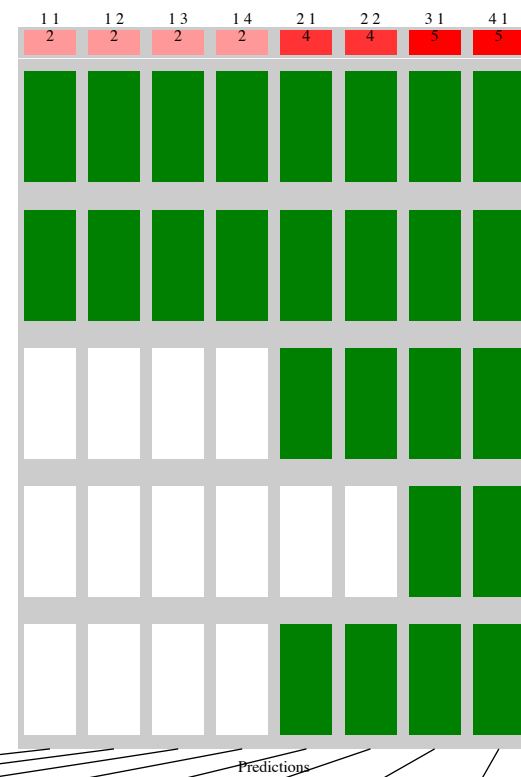
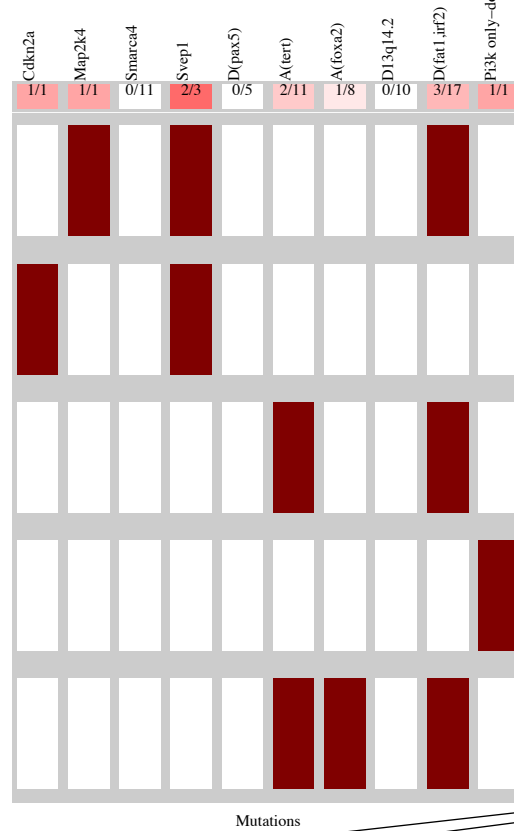
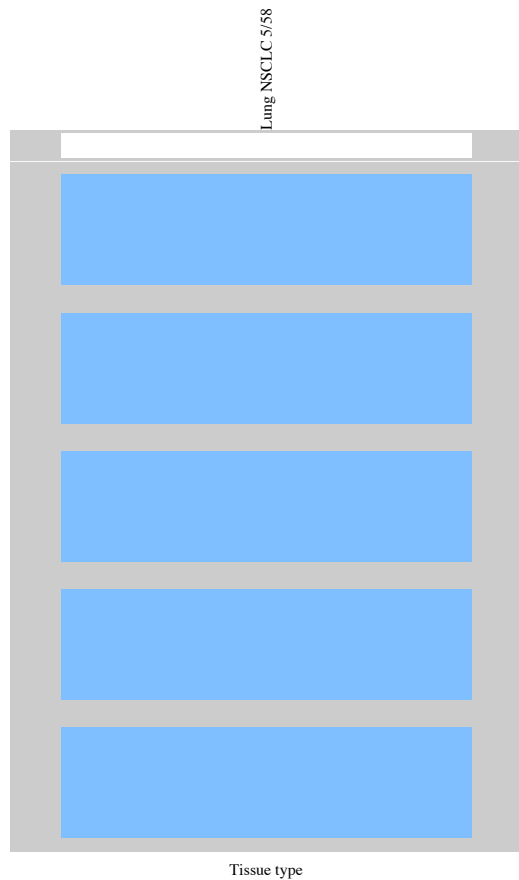
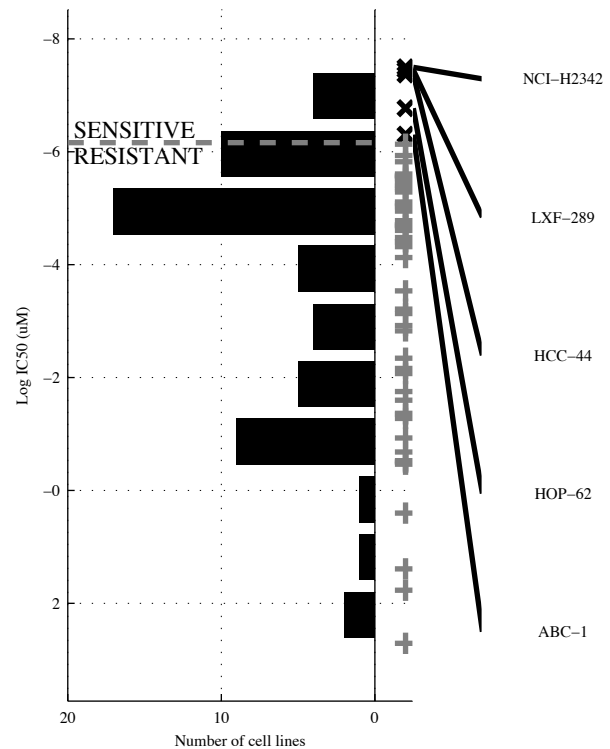
Lung NSCLC: 5/58



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>SVEP1</b>	<b>SVEP1 &amp; !d19q13</b>	<b>!SMARC4 &amp; SVEP1 &amp; !d19q13</b>	<b>SVEP1 &amp; !a(FOXO1)</b>	<b>SVEP1   a(ARFG)</b>	<b>!SMARC4 &amp; SVEP1   [ KRAS &amp; a(ARFG) ]</b>	<b>NFE2L2   SVEP1   a(ARFG)</b>	<b>CDKN2A   MAP2K4   NFE2L2   a(ARFG)</b>
TP   FP	2   1	2   0	2   0	2   0	3   5	3   0	4   5	4   4
Specificity	0.98	1	1	1	0.91	1	0.91	0.92
FN   TN	3   52	3   53	3   53	3   53	2   48	2   53	1   48	1   49
Precision	0.67	1	1	1	0.38	1	0.44	0.5
Recall	0.4	0.4	0.4	0.4	0.6	0.6	0.8	0.8

LUAD  
 id: 180 name: Thapsigargin  
 target: sarco-endoplasmic reticulum Ca<sup>2+</sup>-ATPases class: other

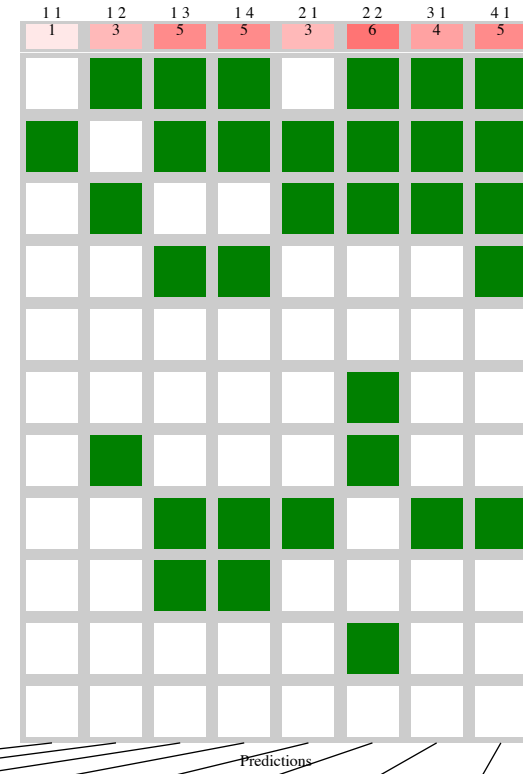
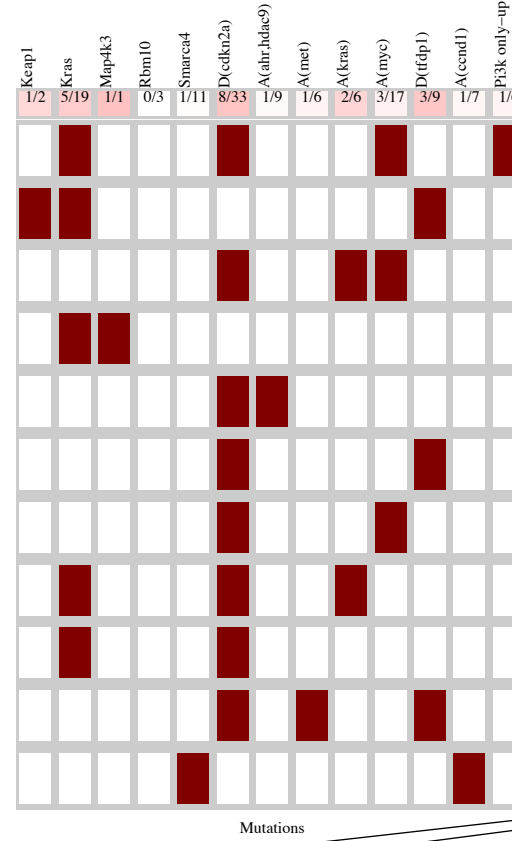
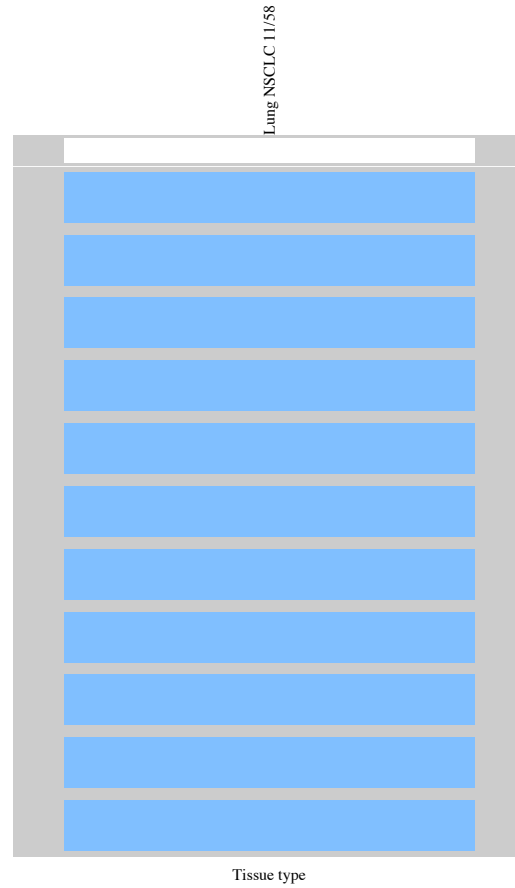
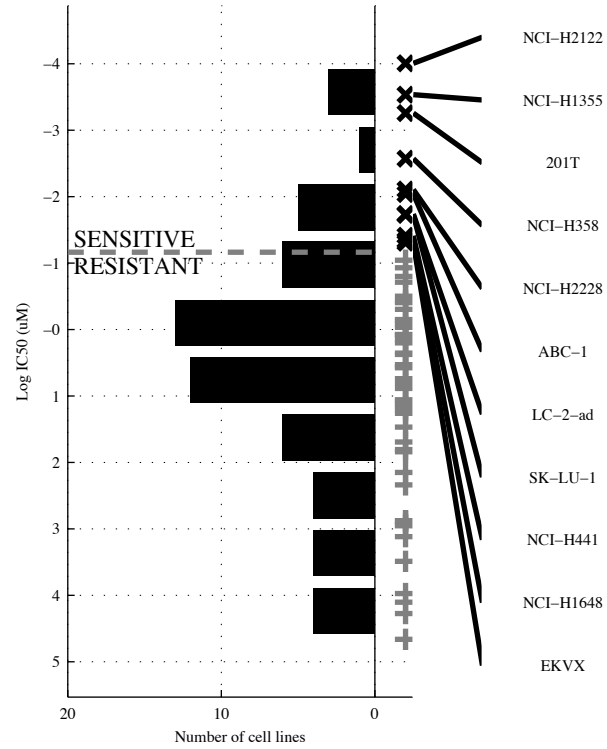
58 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>SVEP1</b>	<b>~SMARCA4 &amp; SVEP1</b>	<b>SVEP1 &amp; a(FOXA2)</b>	<b>SVEP1 &amp; ~d13q14.2</b>	<b>SVEP1   a(TERT)</b>	<b>[ SVEP1 &amp; ~d(PAX5)   a(TERT &amp; d(FAT1)) ]</b>	<b>SVEP1   a(TERT)   PI3K o</b>	<b>CDKN2A   MAP2K4   a(TERT)   PI3K o</b>
TP   FP	2   1	2   0	2   0	2   0	4   10	4   0	5   10	5   9
Specificity	0.98	1	1	1	0.81	1	0.81	0.83
FN   TN	3   52	3   53	3   53	3   53	1   43	1   53	0   43	0   44
Precision	0.67	1	1	1	0.29	1	0.33	0.36
Recall	0.4	0.4	0.4	0.4	0.8	0.8	1	1

LUAD  
 id: 184 name: BMS-754807  
 target: IGF1R class: IGFR signaling

58 cell lines  
 11 sensitive

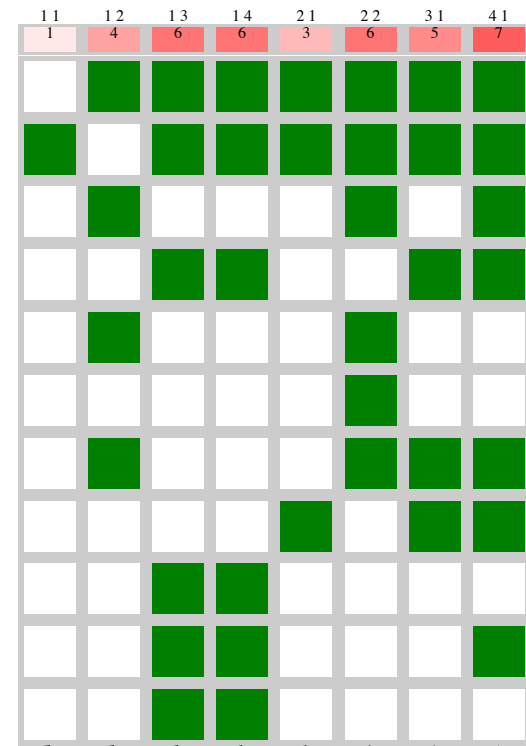
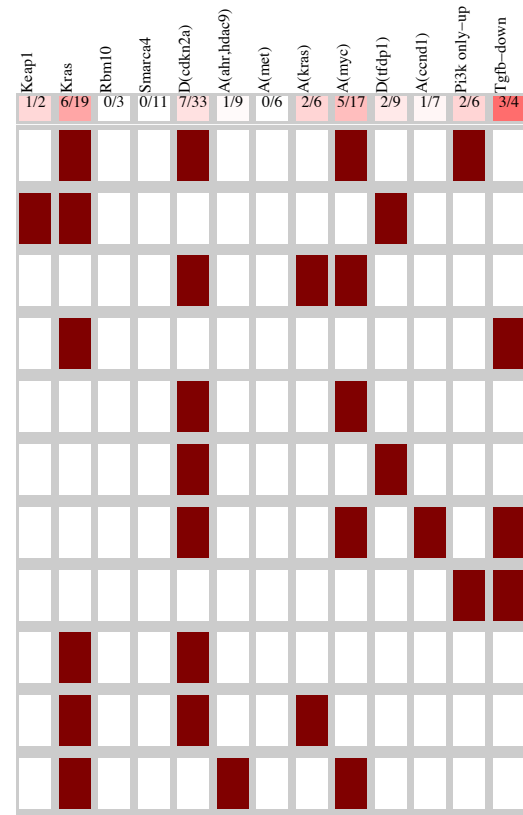
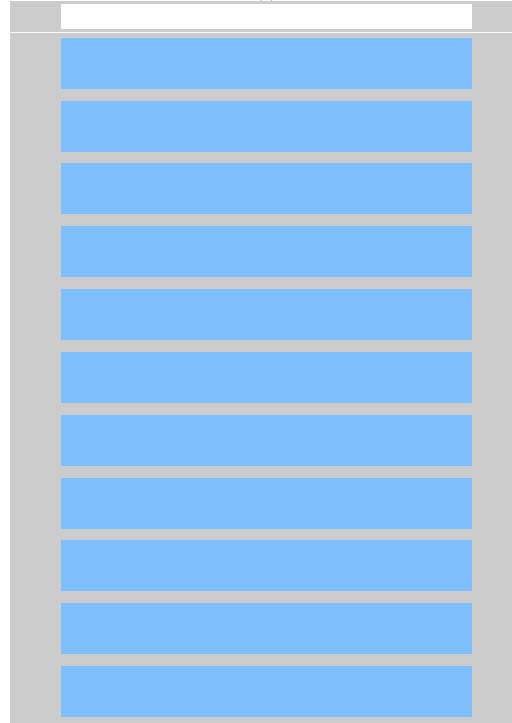
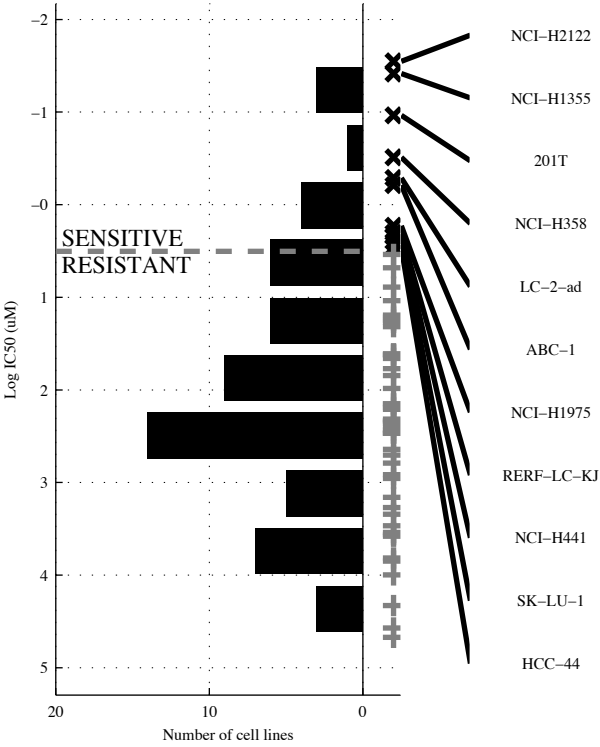


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>KEAP1</b>	<b>d(CDKN2A) &amp; a(MYC)</b>	<b>KRAS &amp; -RBM10 &amp; -SMARCA4</b>	<b>KRAS &amp; -RBM10 &amp; -a(MET) &amp; a(CCND1)</b>	<b>KEAP1   a(KRAS)</b>	<b>[~a(AHR) &amp; d(TFDP1)]   [d(CDKN2A) &amp; a(MYC)]</b>	<b>KEAP1   a(KRAS)   PI3K o</b>	<b>KEAP1   MAP4K3   a(KRAS)   PI3K o</b>
TP   FP Specificity	1   1 0.98	3   6 0.87	5   8 0.83	5   6 0.87	3   4 0.91	6   9 0.81	4   9 0.81	5   9 0.81
FN   TN Precision	10   46 0.5	8   41 0.33	6   39 0.38	6   41 0.45	8   43 0.43	5   38 0.4	7   38 0.31	6   38 0.36
Recall	0.091	0.27	0.45	0.45	0.27	0.55	0.36	0.45

LUAD  
 id: 185 name: OSI-906  
 target: IGF1R class: IGFR signaling

58 cell lines  
 11 sensitive

Lung NSCLC 11/58

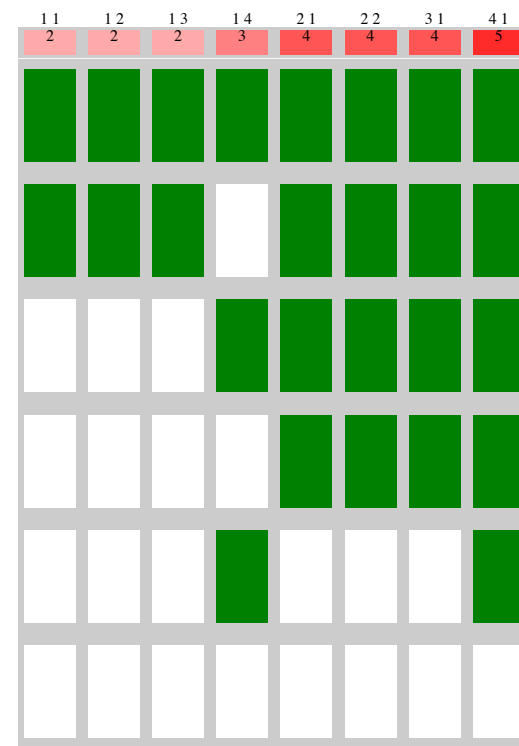
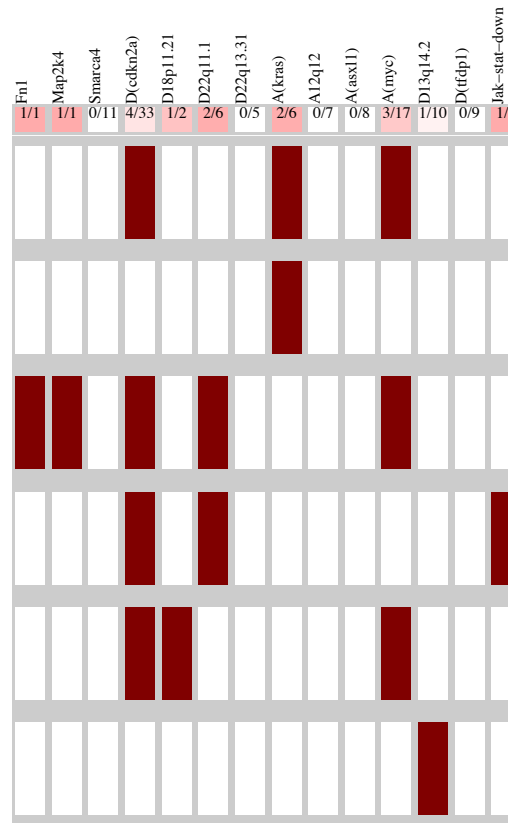
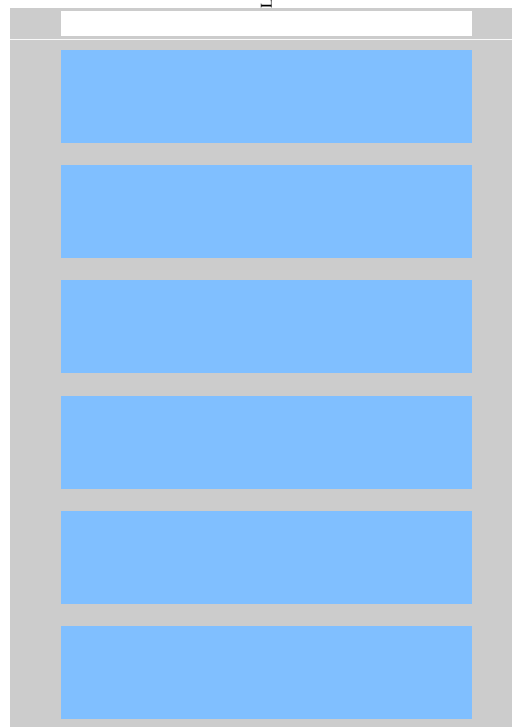
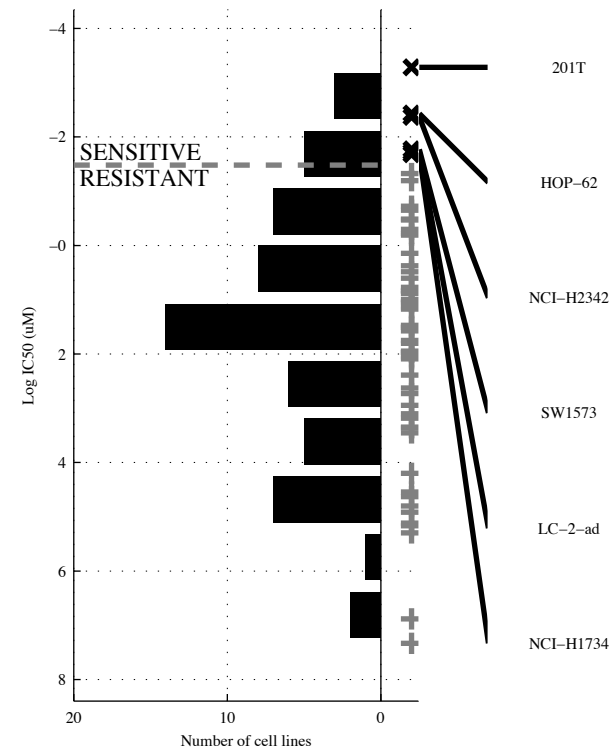


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>KEAP1</b>	<b>d(CDKN&amp;a(MYC)</b>	<b>KRAS &amp;-RBM10&amp; -SMARCA</b>	<b>KRAS &amp;-RBM10&amp; -a(MET&amp;a(CCND</b>	<b>KEAP1   PI3K o</b>	<b>[¬a(AHR&amp;d(TFDP)   d(CDKN&amp;a(MYC)]</b>	<b>KEAP1   PI3K o   TGFB-D</b>	<b>KEAP1   a(KRAS   PI3K o  TGFB-D</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{10} \mid \frac{1}{46}$ 0.98 0.5 0.091	$\frac{4}{7} \mid \frac{5}{42}$ 0.89 0.44 0.36	$\frac{6}{5} \mid \frac{7}{40}$ 0.85 0.46 0.55	$\frac{6}{5} \mid \frac{5}{42}$ 0.89 0.55 0.55	$\frac{3}{8} \mid \frac{5}{42}$ 0.89 0.38 0.27	$\frac{6}{5} \mid \frac{9}{38}$ 0.81 0.4 0.55	$\frac{5}{6} \mid \frac{6}{41}$ 0.87 0.45 0.45	$\frac{7}{4} \mid \frac{9}{38}$ 0.81 0.44 0.64

LUAD  
 id: 190 name: Bleomycin  
 target: DNA damage class: DNA replication

58 cell lines  
 6 sensitive

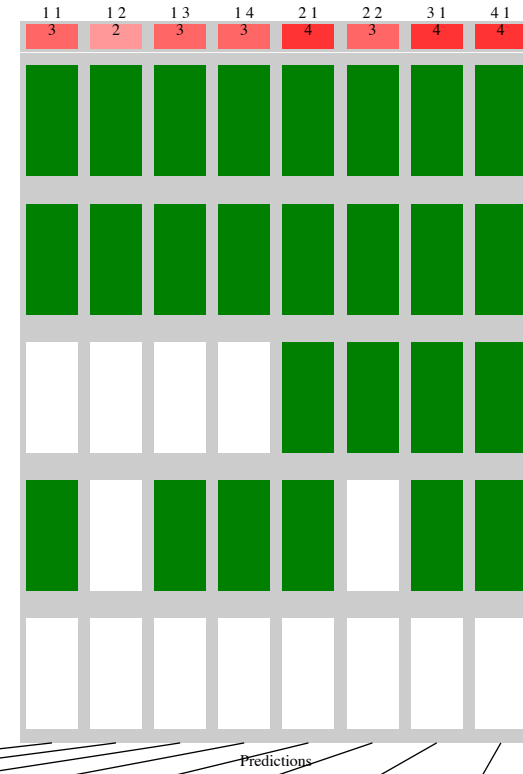
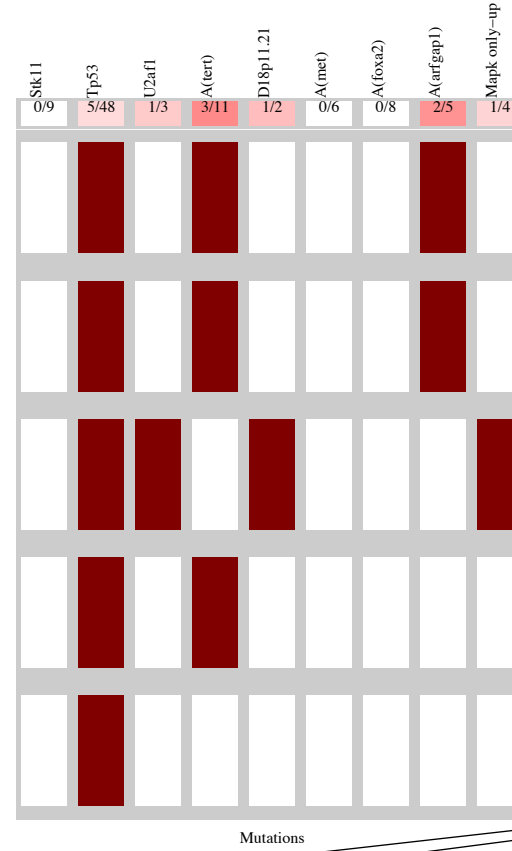
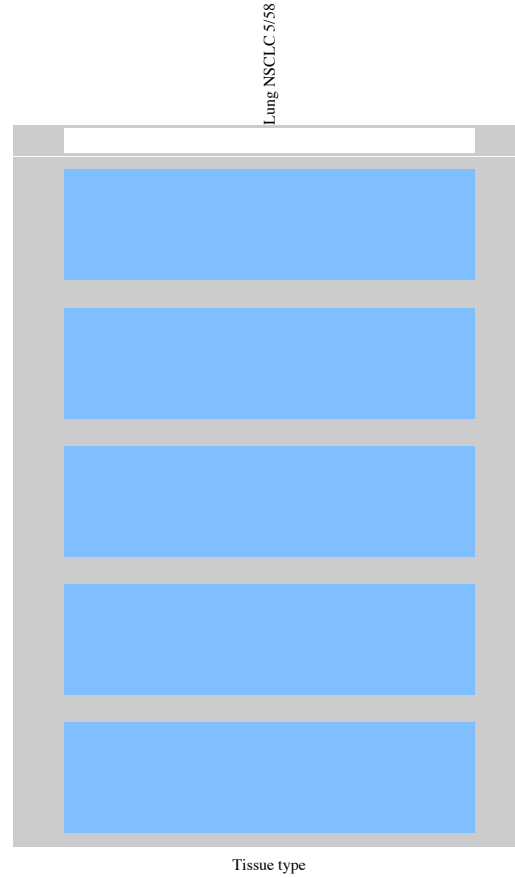
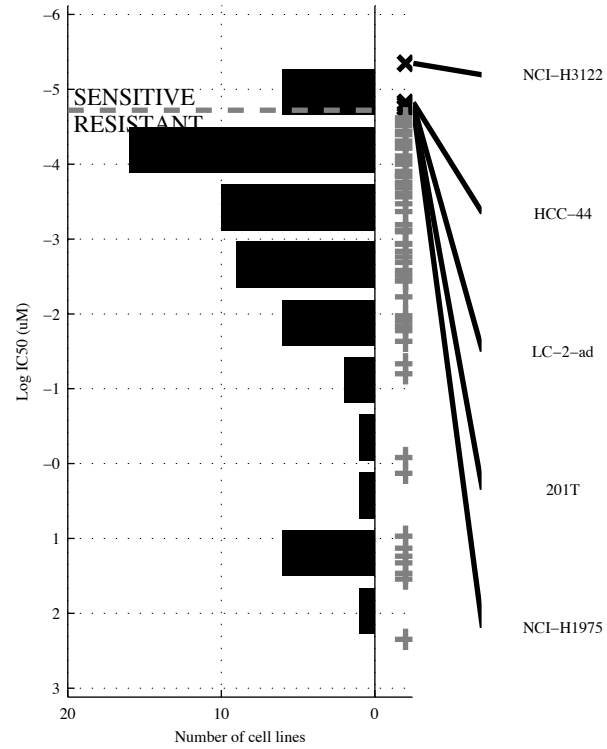
Lung NSCLC 6/58



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a(KRAS)</b>	<b>a(KRAS &amp; a(ASXL1))</b>	<b>a(KRAS &amp; a12q12 &amp; a13q14)</b>	<b>~SMARCA4 &amp; d(CDKN2A)</b> <b>a(MYC) &amp; d13q14</b>	<b>d22q11   a(KRAS)</b>	<b>[ d22q11 &amp; ~d22q13 ]</b> <b> </b> <b>[ a(KRAS &amp; a12q12) ]</b>	<b>MAP2K4   a(KRAS)</b>	<b>FN1   d18p11  </b> <b>a(KRAS)   JAK-ST</b>
TP   FP	2   4	2   1	2   0	3   2	4   7	4   2	4   4	5   5
Specificity	0.92	0.98	1	0.96	0.87	0.96	0.92	0.9
FN   TN	4   48	4   51	4   52	3   50	2   45	2   50	2   48	1   47
Precision	0.33	0.67	1	0.6	0.36	0.67	0.5	0.5
Recall	0.33	0.33	0.33	0.5	0.67	0.67	0.67	0.83

LUAD  
 id: 194 name: AUY922  
 target: HSP90 class: other

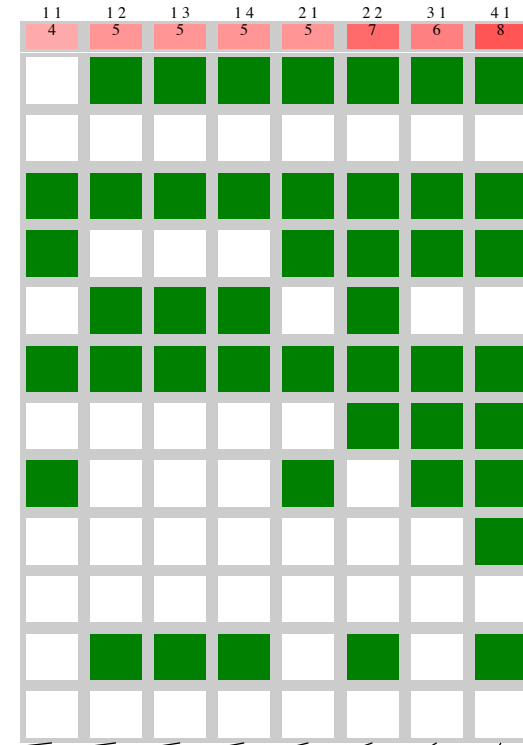
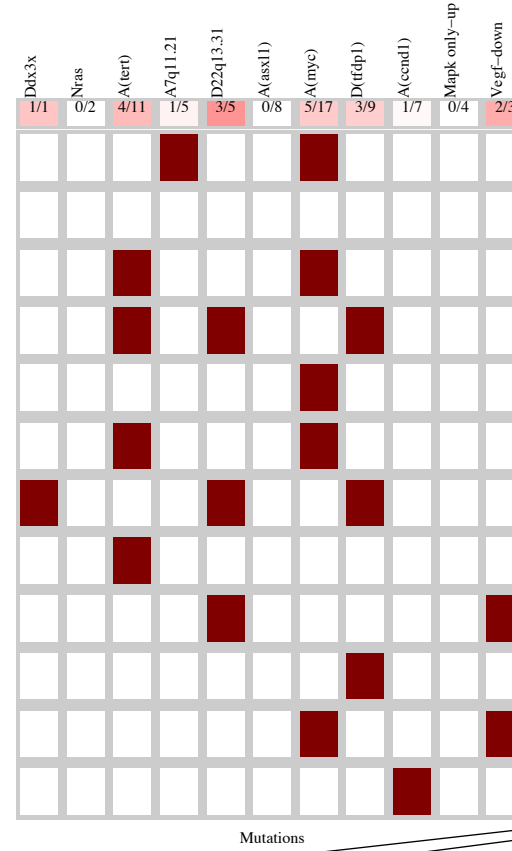
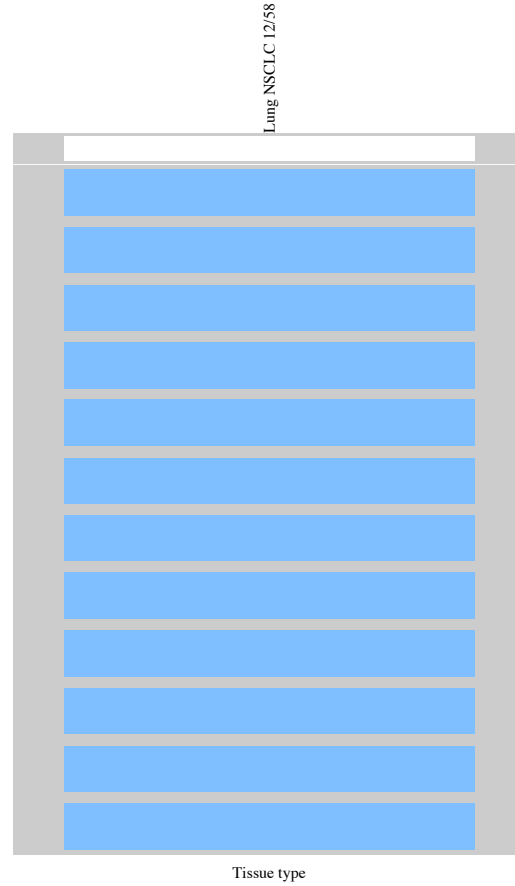
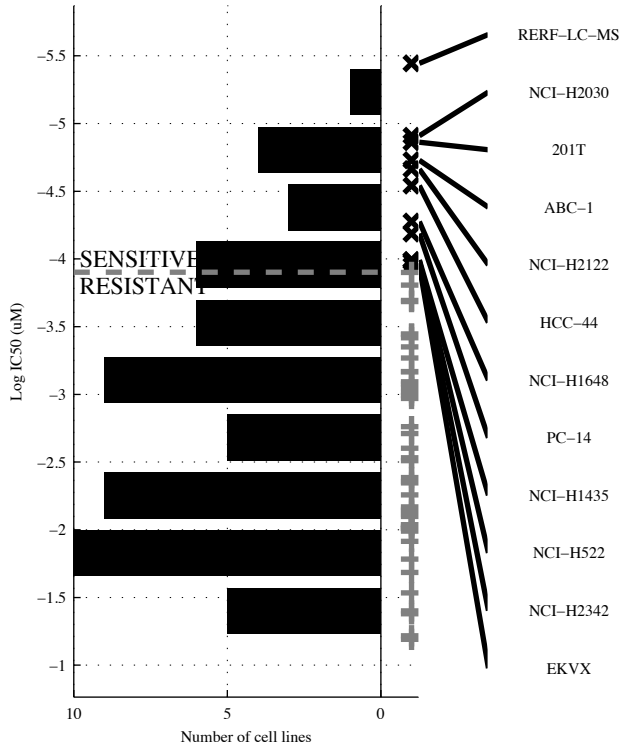
58 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>a(TERT)</b>	<b>~STK11 &amp; a(ARFG)</b>	<b>TP53 &amp; a(TERT &amp; ~a(MET))</b>	<b>~STK11 &amp; a(TERT &amp; ~a(FOXA2) &amp; MAPK o)</b>	<b>a(TERT   d18p11)</b>	<b>[ ~STK11 &amp; a(ARFG)   a(TERT   d18p11   [ U2AF1 &amp; MAPK o ]</b>	<b>a(TERT   d18p11  </b>	<b>a(TERT   d18p11  </b>
TP   FP Specificity	3   8 0.85	2   0 1	3   3 0.94	3   1 0.98	4   9 0.83	3   0 1	4   9 0.83	4   9 0.83
FN   TN Precision	2   45 0.27	3   53 1	2   50 0.5	2   52 0.75	1   44 0.31	2   53 1	1   44 0.31	1   44 0.31
Recall	0.6	0.4	0.6	0.6	0.8	0.6	0.8	0.8

LUAD  
 id: 197 name: Bryostatin 1  
 target: PRKC class: other

58 cell lines  
 12 sensitive

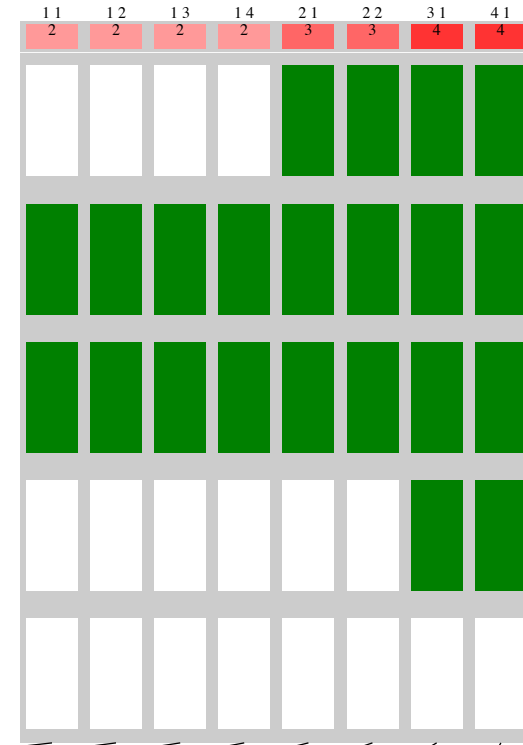
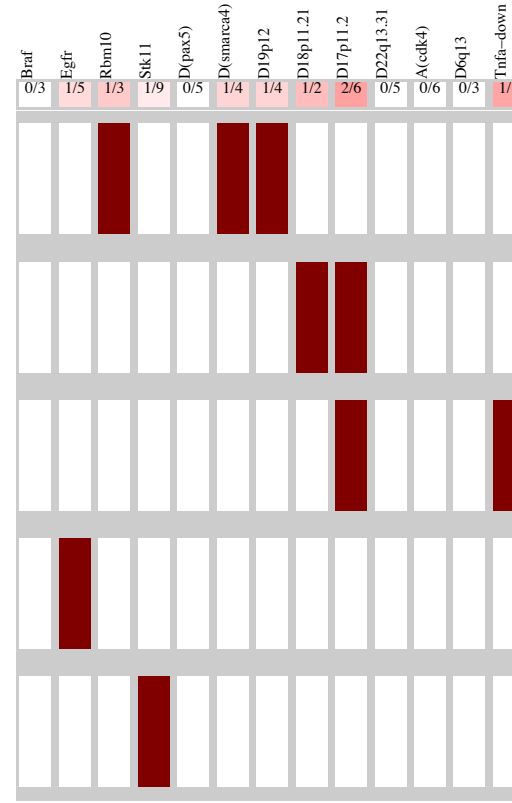
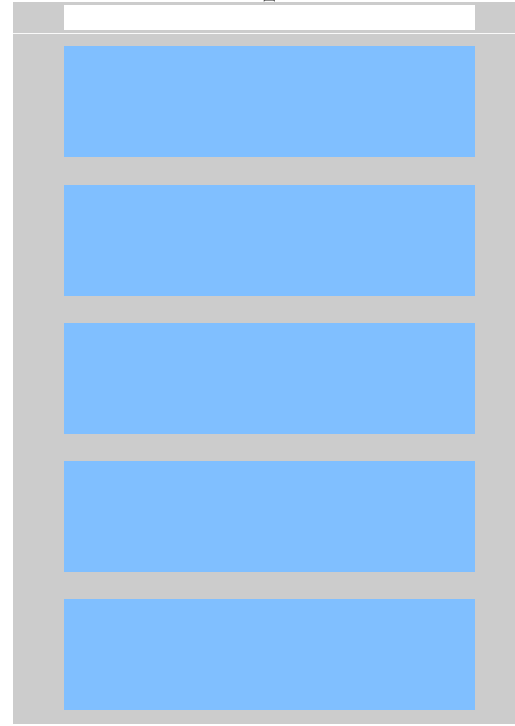
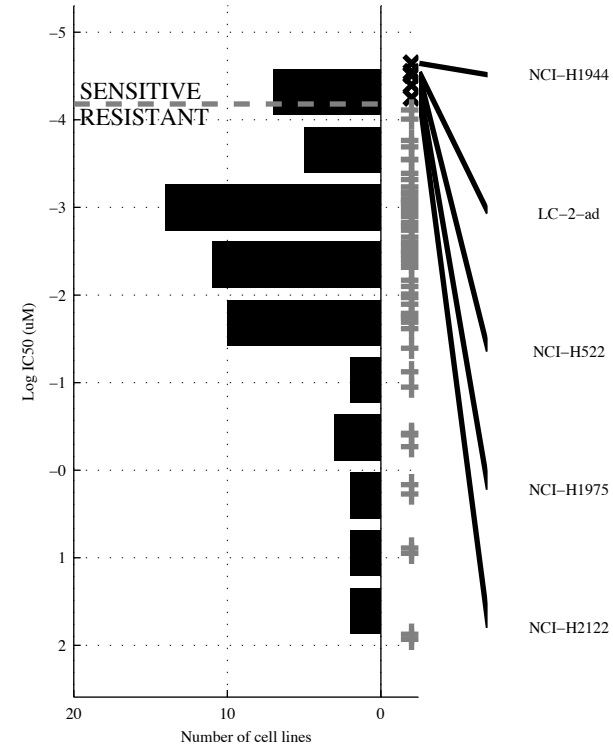


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>a(TERT)</b>	<b>a(MYC)&amp;MAPK o</b>	<b>a(MYC)&amp;a(CCN1)&amp; ¬MAPK o</b>	<b>¬NRAS&amp;a(ASX1)&amp; a(MYC)&amp;a(CCND)</b>	<b>a(TERT   a7q11.</b>	<b>[ d22q13&amp;d(TFDP)   [ a(MYC)&amp;MAPK d</b>	<b>DDX3X   a(TERT   a7q11.</b>	<b>DDX3X   a(TERT   a7q11. IVEGF-D</b>
TP   FP Specificity	4   7 0.85	5   9 0.8	5   6 0.87	5   4 0.91	5   9 0.8	7   9 0.8	6   9 0.8	8   9 0.8
FN   TN Precision	8   39 0.36	7   37 0.36	7   40 0.45	7   42 0.56	7   37 0.36	5   37 0.44	6   37 0.4	4   37 0.47
Recall	0.33	0.42	0.42	0.42	0.42	0.58	0.5	0.67

LUAD  
 id: 200 name: LAQ824  
 target: HDAC class: chromain histone acetylation

58 cell lines  
 5 sensitive

Lung NSCLC: 5/58



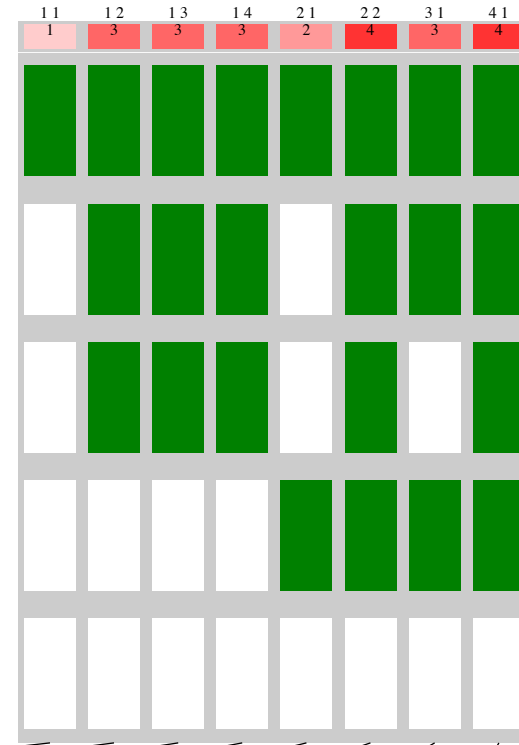
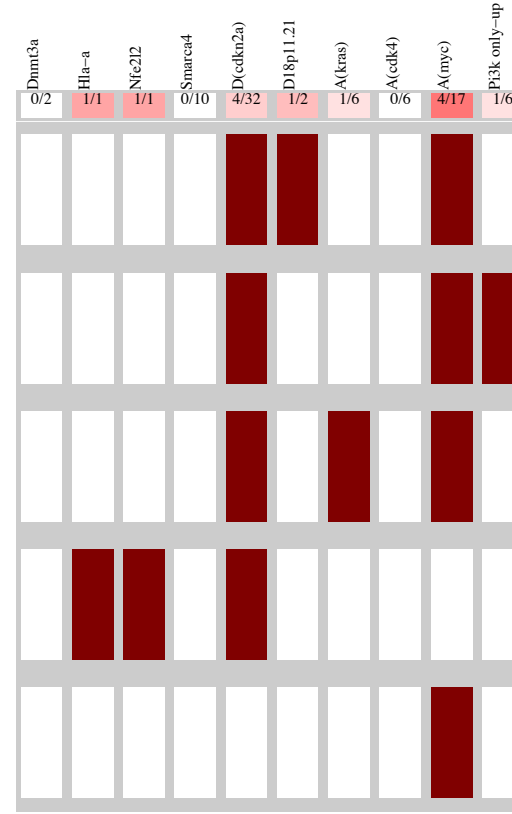
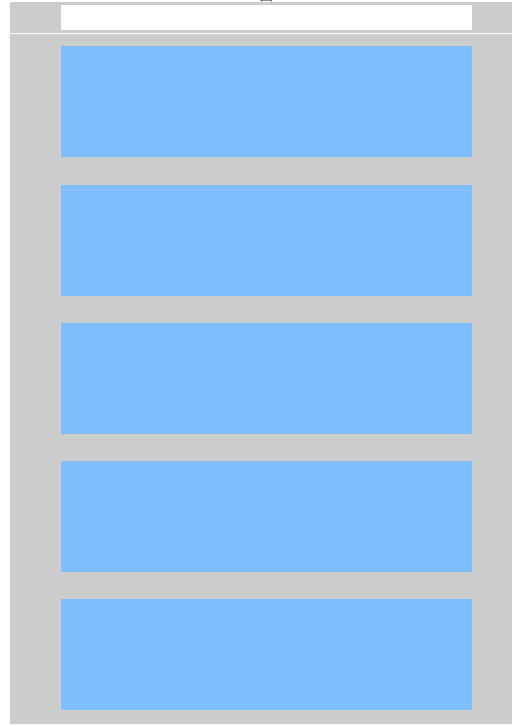
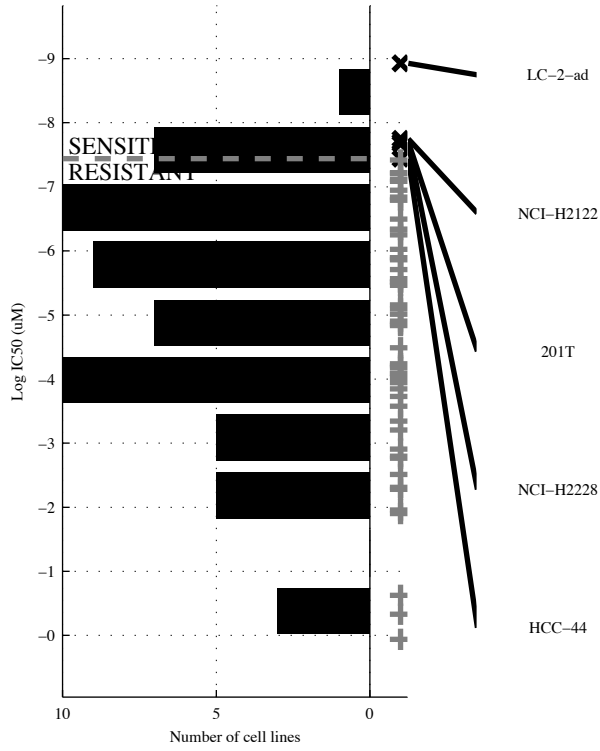
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d17p11</b>	<b>d17p11 &amp; -d6q13</b>	<b>-STK11 &amp; d17p11 &amp; -d22q13</b>	<b>-BRAF &amp; -d(PAX5) &amp; d17p11 &amp; a(CDK4)</b>	<b>d19p12   d17p11</b>	<b>[ d17p11 &amp; -d6q13 ]   [ RBM10 &amp; d(SMARCA4)</b>	<b>EGFR   d19p12   d17p11</b>	<b>EGFR   d19p12   d18p11   TNFa-D</b>
TP   FP	2   4	2   2	2   1	2   0	3   6	3   2	4   10	4   7
Specificity	0.92	0.96	0.98	1	0.89	0.96	0.81	0.87
FN   TN	3   49	3   51	3   52	3   53	2   47	2   51	1   43	1   46
Precision	0.33	0.5	0.67	1	0.33	0.6	0.29	0.36
Recall	0.4	0.4	0.4	0.4	0.6	0.6	0.8	0.8



LUAD  
 id: 201 name: Etophilon B  
 target: Microtubules class: cytoskeleton

57 cell lines  
 5 sensitive

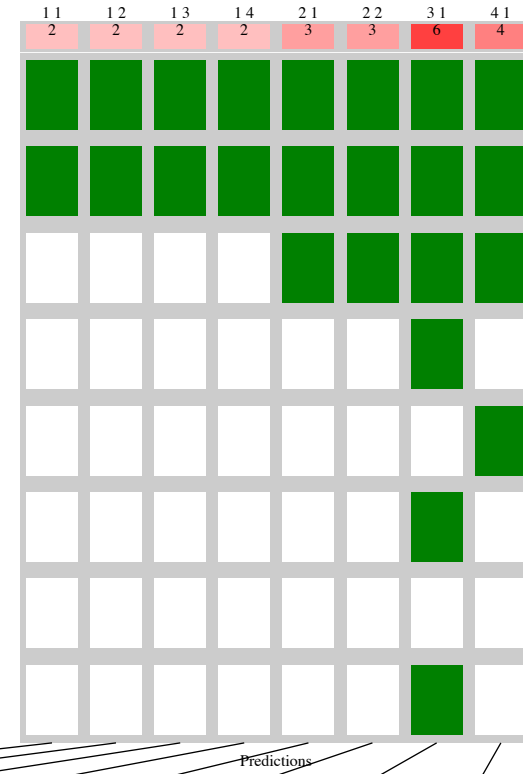
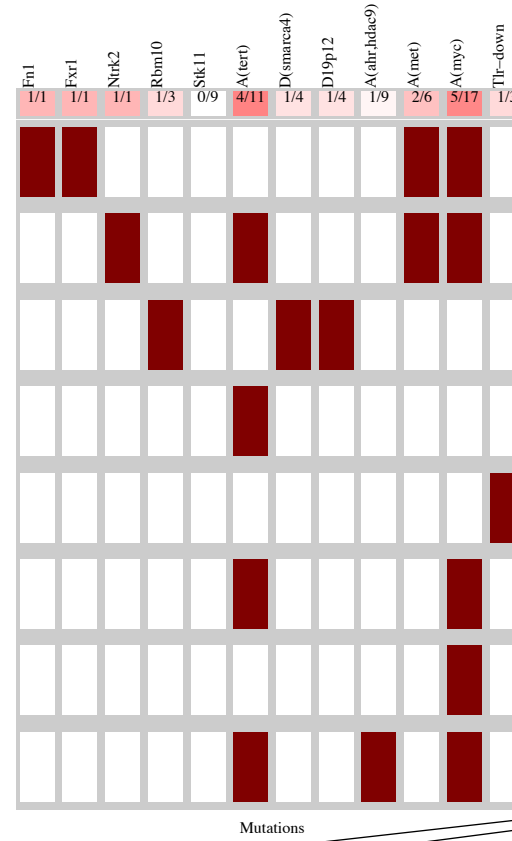
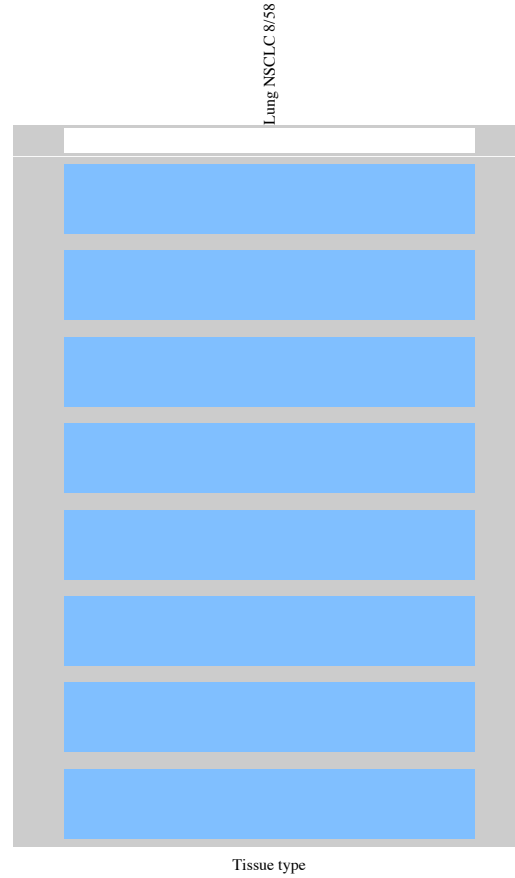
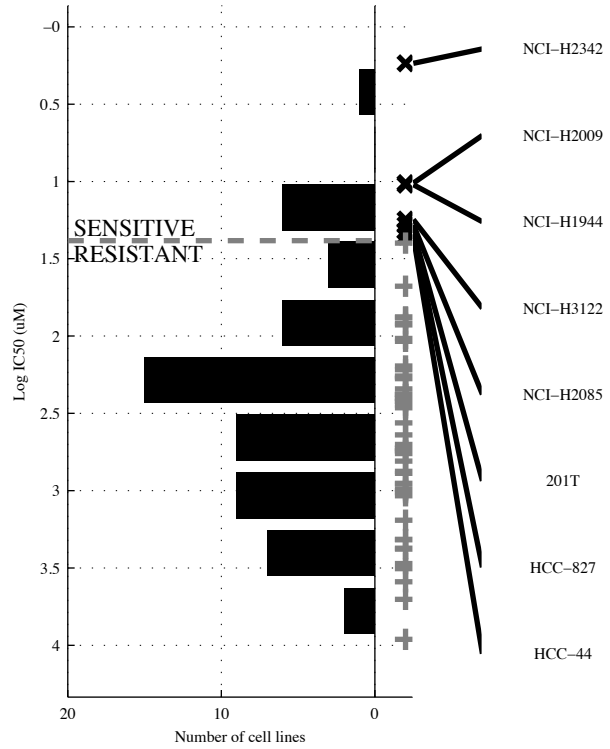
Lung NSCLC: 5/57



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d18p11</b>	<b>d(CDKN2A &amp; MYC)</b>	<b>-SMARCA4 &amp; d(CDKN2A &amp; MYC)</b>	<b>-DNMT3A &amp; d(CDKN2A &amp; MYC)</b>	<b>NFE2L2   d18p11</b>	<b>[d(CDKN2A &amp; MYC)   HLA-A*01:01]</b>	<b>NFE2L2   d18p11   PI3K o</b>	<b>NFE2L2   d18p11   a(KRAS   PI3K o)</b>
TP   FP	1   1	3   6	3   4	3   1	2   1	4   6	3   5	4   10
Specificity	0.98	0.88	0.92	0.98	0.98	0.88	0.9	0.81
FN   TN	4   51	2   46	2   48	2   51	3   51	1   46	2   47	1   42
Precision	0.5	0.33	0.43	0.75	0.67	0.4	0.38	0.29
Recall	0.2	0.6	0.6	0.6	0.4	0.8	0.6	0.8

LUAD  
 id: 202 name: GSK-1904529A  
 target: IGF1R class: IGFR signaling

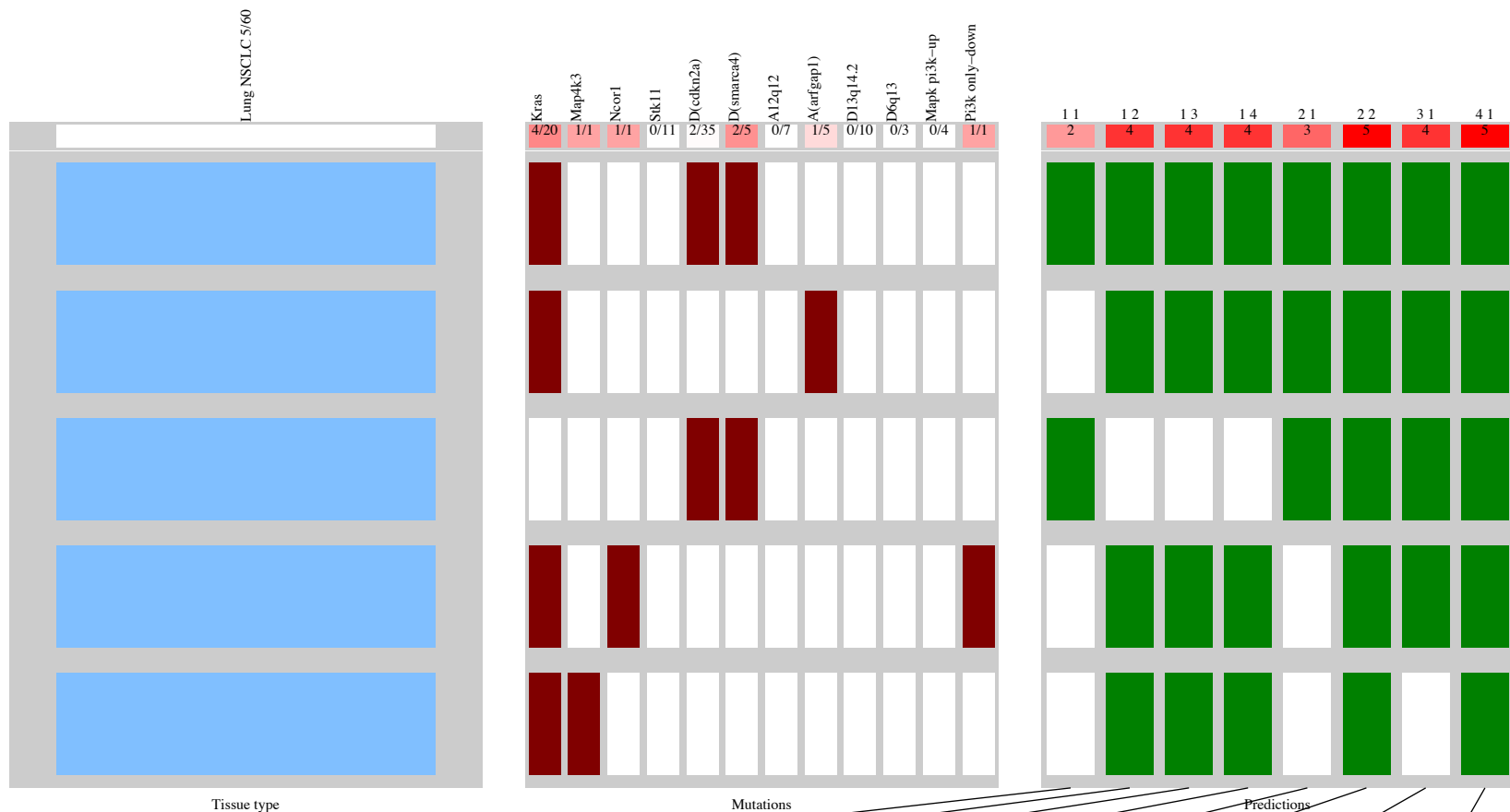
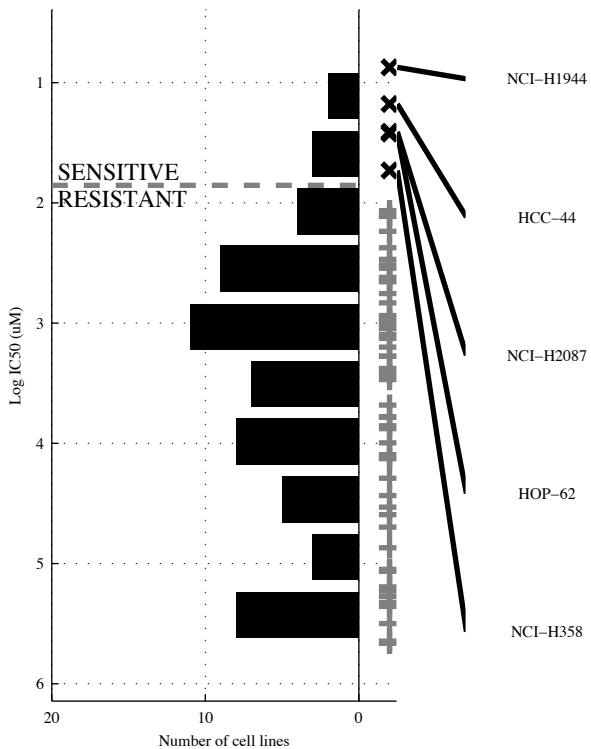
58 cell lines  
 8 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>a(MET)</b>	<b>a(MET)&amp;a(MYC)</b>	<b>~STK11&amp;a(MET)&amp;a(MYC)</b>	<b>~a(AHR&amp;a(MET)&amp;a(MYC)</b>	<b>d(SMARCA4&amp;a(MET)</b>	<b>[ a(MET)&amp;a(MYC) ]   [ RBM10&amp;d19p12 ]</b>	<b>FXR1   RBM10   a(TERT)</b>	<b>FN1   NTRK2   d(SMARCA4&amp;TLR-DO)</b>
TP   FP Specificity	2   4 0.92	2   1 0.98	2   0 1	2   0 1	3   6 0.88	3   1 0.98	6   8 0.84	4   4 0.92
FN   TN Precision	6   46 0.33	6   49 0.67	6   50 1	6   50 1	5   44 0.33	5   49 0.75	2   42 0.43	4   46 0.5
Recall	0.25	0.25	0.25	0.25	0.38	0.38	0.75	0.5

LUAD  
 id: 203 name: BMS-345541  
 target: IKBKB class: other

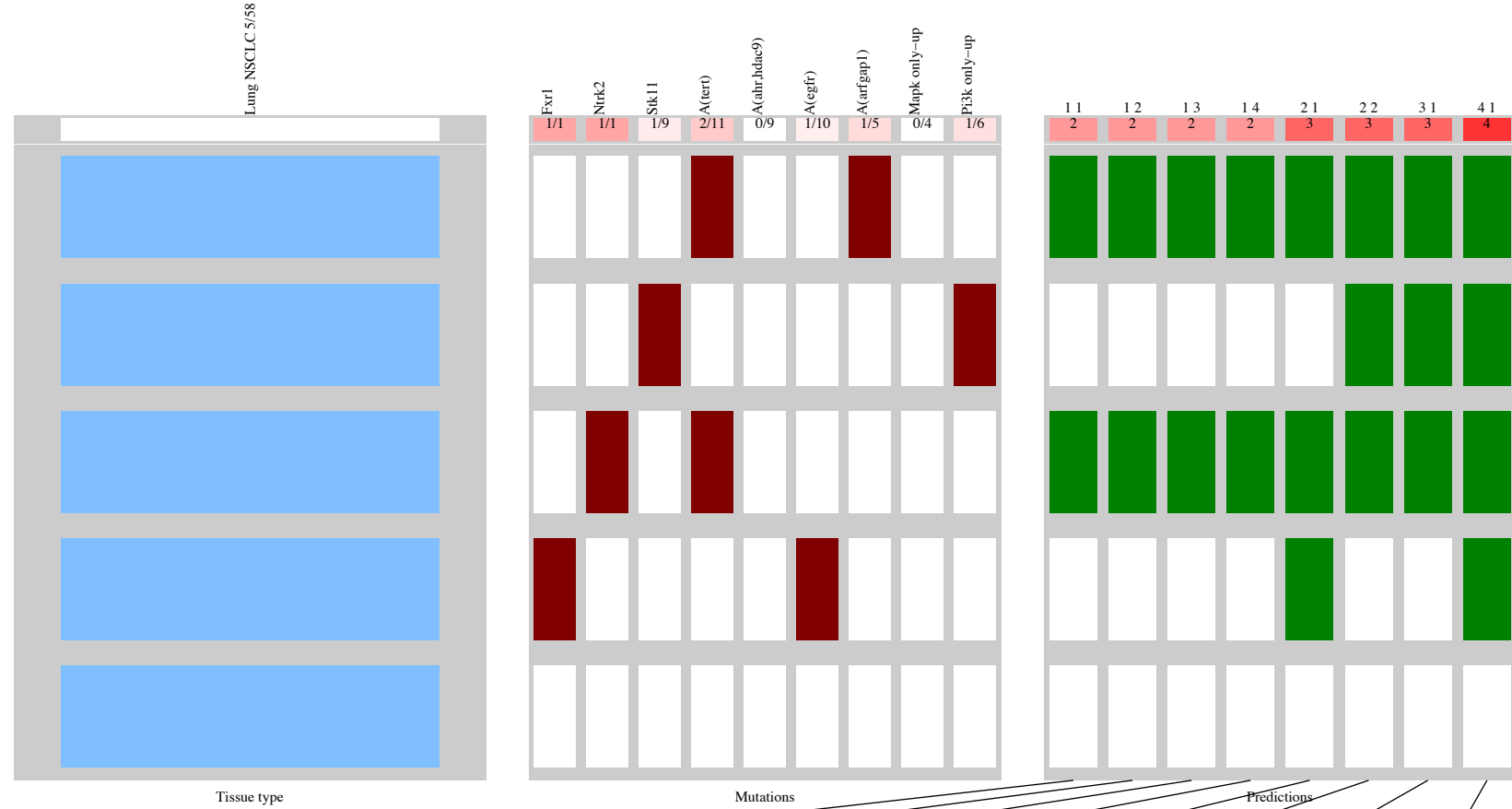
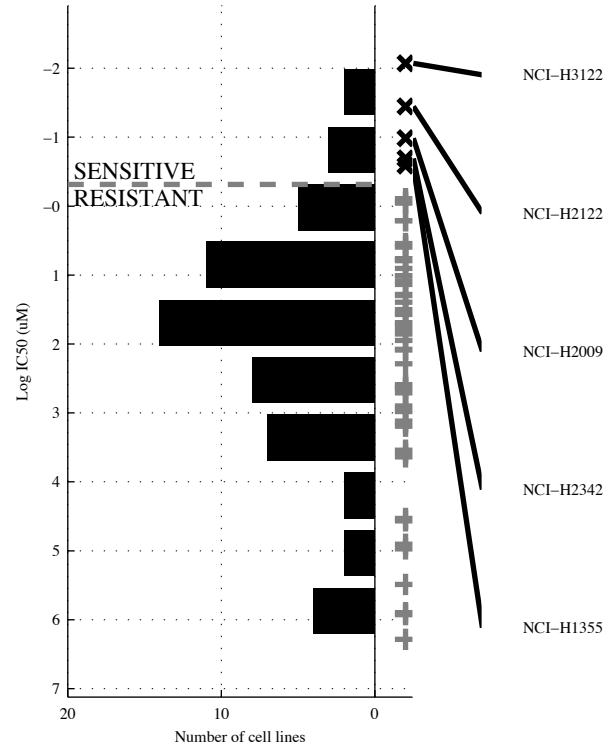
60 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d(SMAR</b>	<b>KRAS &amp; ¬d13q14</b>	<b>KRAS &amp; ¬a12q12 &amp; ¬MAPK P</b>	<b>KRAS &amp; ¬STK11 &amp; ¬a12q12 &amp; MAPK P</b>	<b>d(SMAR) &amp; a(ARFG</b>	<b>[d(SMAR &amp; ¬d6q13 ]   [ KRAS &amp; d(CDKN</b>	<b>NCOR1   d(SMAR)   a(ARFG</b>	<b>MAP4K3   d(SMAR)   a(ARFG   PI3K o</b>
TP   FP Specificity	2   3 0.95	4   10 0.82	4   8 0.85	4   4 0.93	3   7 0.87	5   8 0.85	4   7 0.87	5   7 0.87
FN   TN Precision	3   52 0.4	1   45 0.29	1   47 0.33	1   51 0.5	2   48 0.3	0   47 0.38	1   48 0.36	0   48 0.42
Recall	0.4	0.8	0.8	0.8	0.6	1	0.8	1

LUAD  
 id: 204 name: Tipifarnib  
 target: Farnesyl-transferase (FNTA) class: other

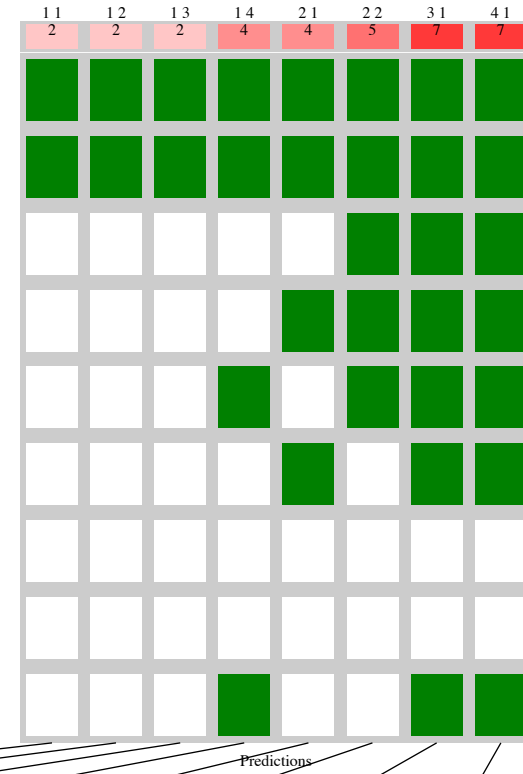
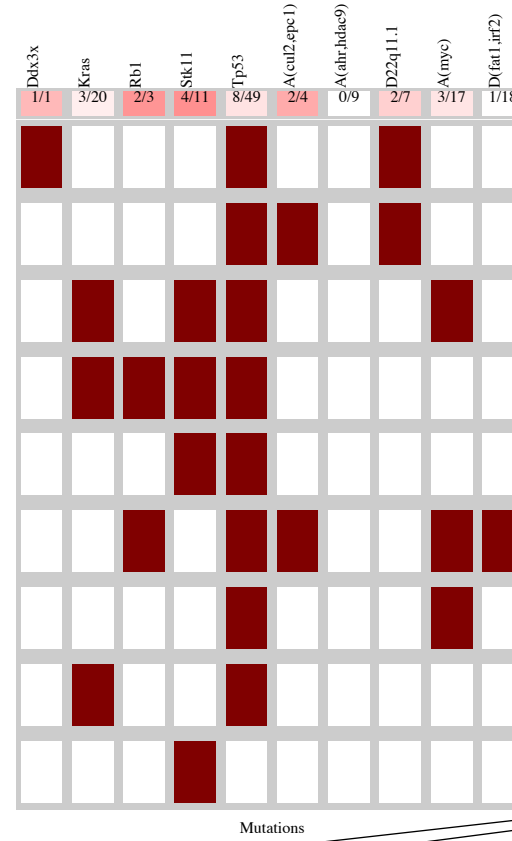
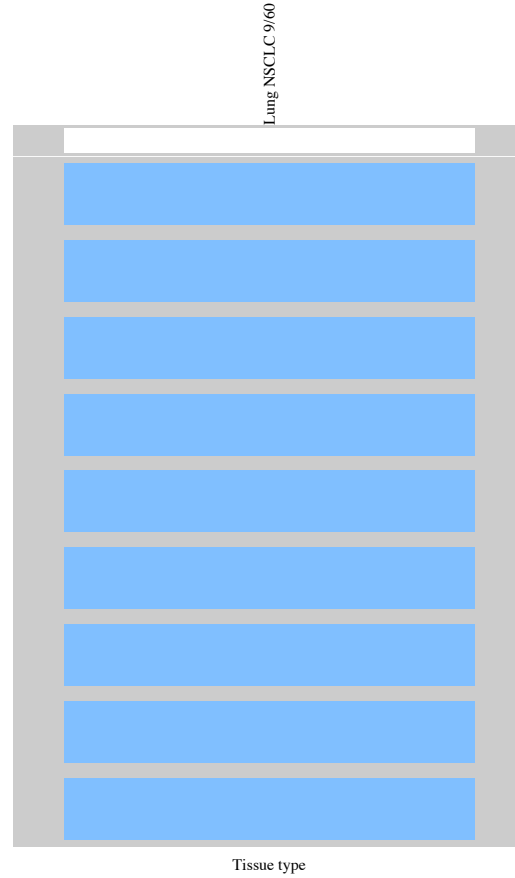
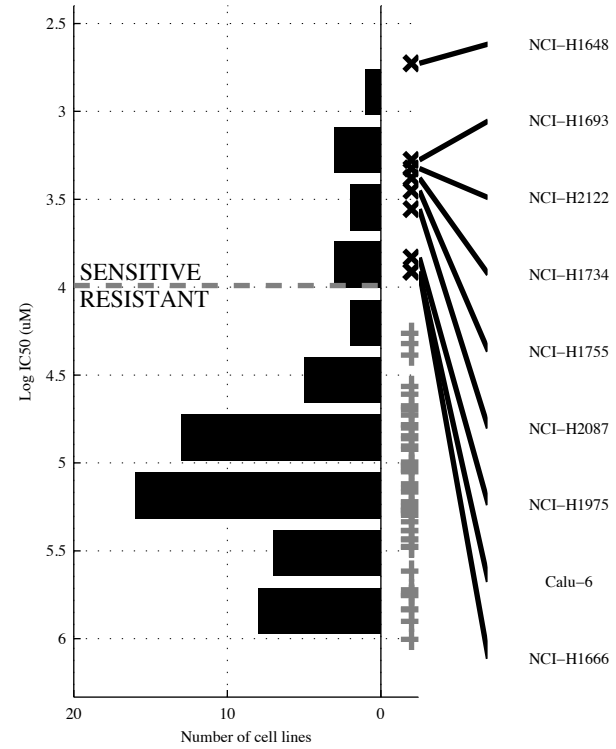
58 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>a(TERT)</b>	<b>a(TERT &amp; a(EGFR))</b>	<b>a(TERT &amp; a(EGFR) &amp; ¬MAPK o)</b>	<b>a(TERT &amp; ¬a(AHR &amp; a(EGFR) &amp; MAPK o))</b>	<b>FXR1   a(TERT)</b>	<b>[ STK11 &amp; PI3K o ]   [ a(TERT &amp; a(EGFR)) ]</b>	<b>NTRK2   a(ARFG)   PI3K o</b>	<b>FXR1   NTRK2   a(ARFG   PI3K o)</b>
TP   FP Specificity	2   9 0.83	2   6 0.89	2   4 0.92	2   2 0.96	3   9 0.83	3   6 0.89	3   9 0.83	4   9 0.83
FN   TN Precision	3   44 0.18	3   47 0.25	3   49 0.33	3   51 0.5	2   44 0.25	2   47 0.33	2   44 0.25	1   44 0.31
Recall	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.8

LUAD  
 id: 205 name: BMS-708163  
 target: g-secretase class: other

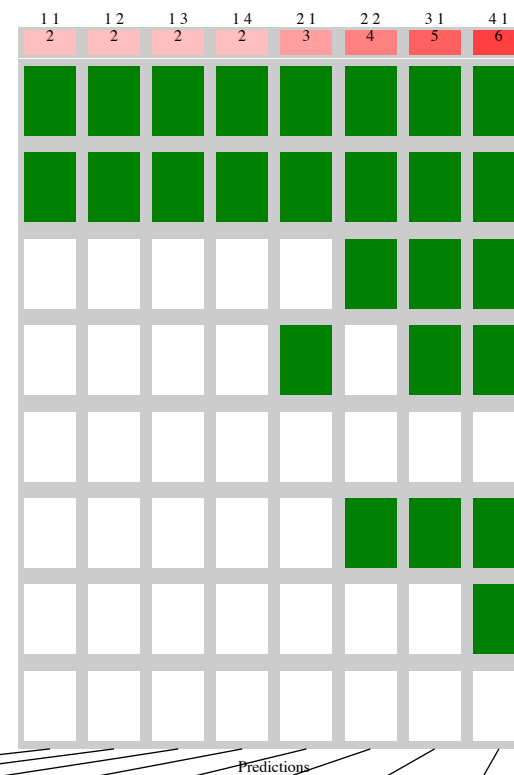
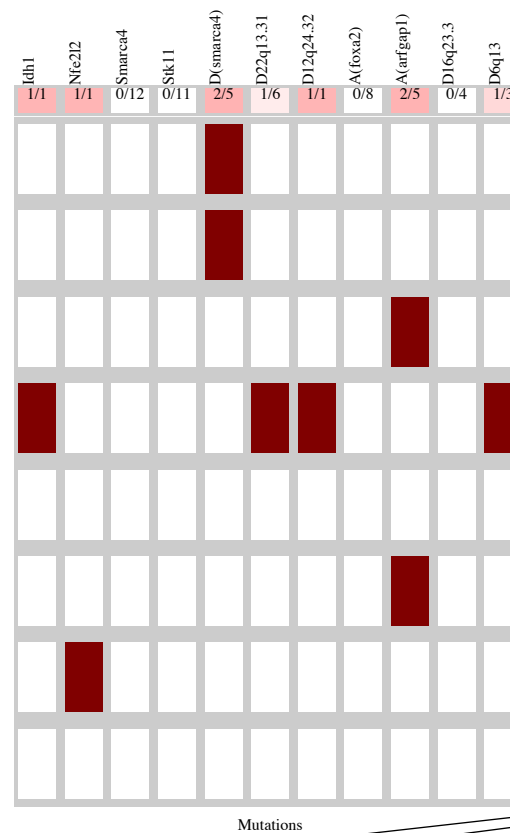
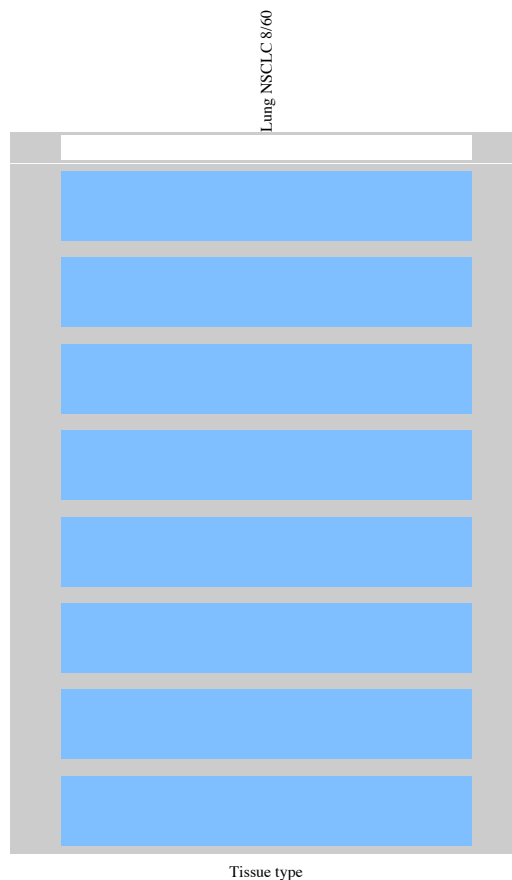
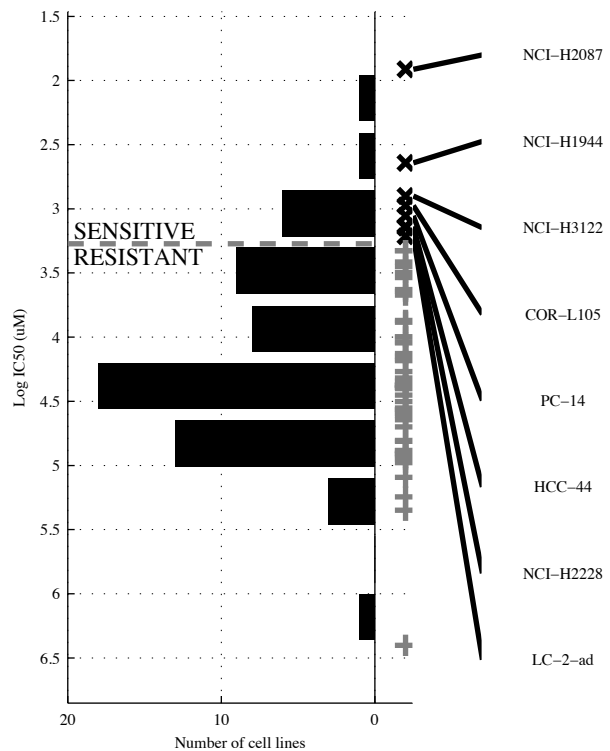
60 cell lines  
 9 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>d22q11</b>		<b>d22q11 &amp; ¬d(FAT1)</b>		<b>¬KRAS &amp; d22q11 &amp; ¬d(FAT1)</b>		<b>¬KRAS &amp; ¬a(AHR &amp; TP53) &amp; ¬a(MYC) &amp; ¬d(FAT1)</b>		<b>RB1   d22q11</b>		<b>[ STK11 &amp; TP53 ]   [ d22q11 &amp; ¬d(FAT1) ]</b>		<b>DDX3X   STK11   a(CUL2)</b>		<b>DDX3X   STK11   a(CUL2  </b>	
TP   FP	2   5	2   2	2   1	4   9	4   6	5   5	7   8	7   8	5   5	4   46	5   5	7   8	2   43	7   8	2   43	
Specificity	0.9	0.96	0.98	0.82	0.88	0.9	0.84	0.84	0.9	0.56	0.9	0.84	0.47	0.84	0.84	
Precision	0.29	0.5	0.67	0.31	0.4	0.5	0.47	0.47	0.5	0.44	0.5	0.47	0.43	0.47	0.47	
Recall	0.22	0.22	0.22	0.44	0.44	0.56	0.78	0.78	0.56	0.44	0.56	0.78	0.43	0.78	0.78	

LUAD  
 id: 206 name: Ruxolitinib  
 target: JAK1, JAK2, TYK2 class: other

60 cell lines  
 8 sensitive

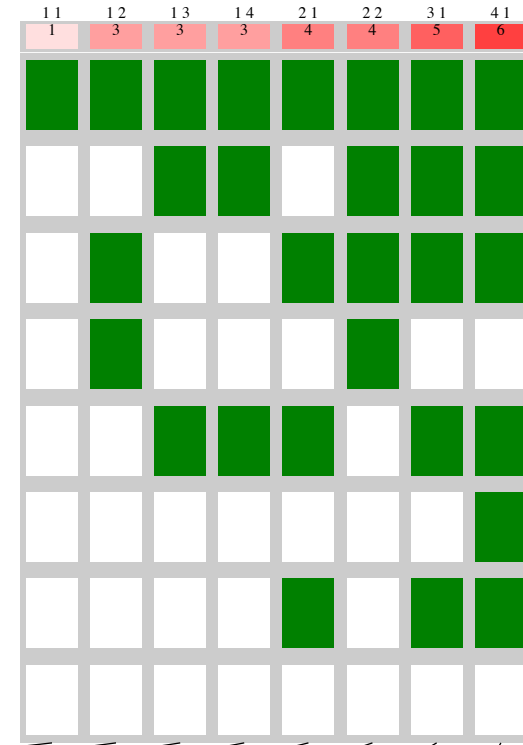
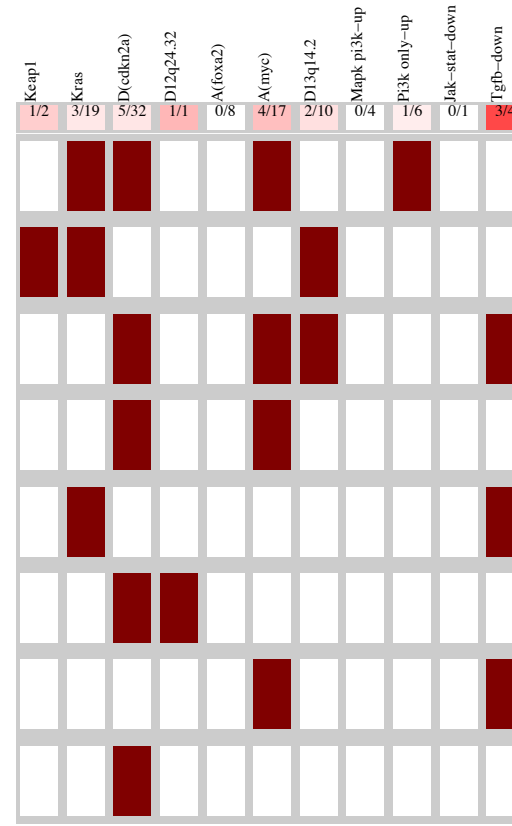
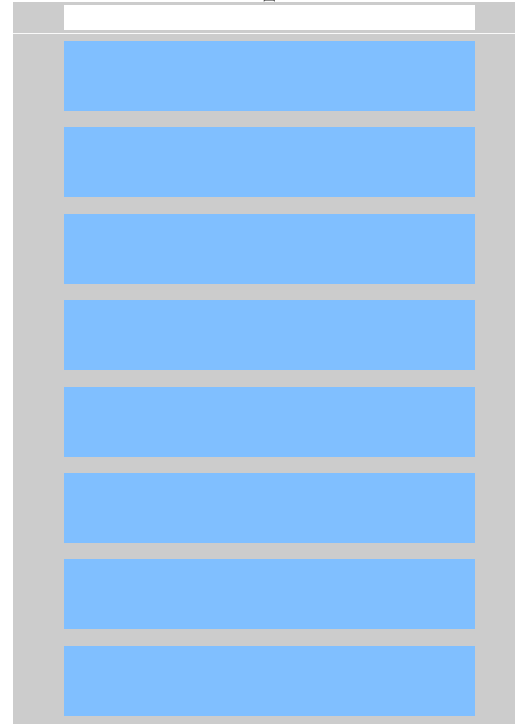
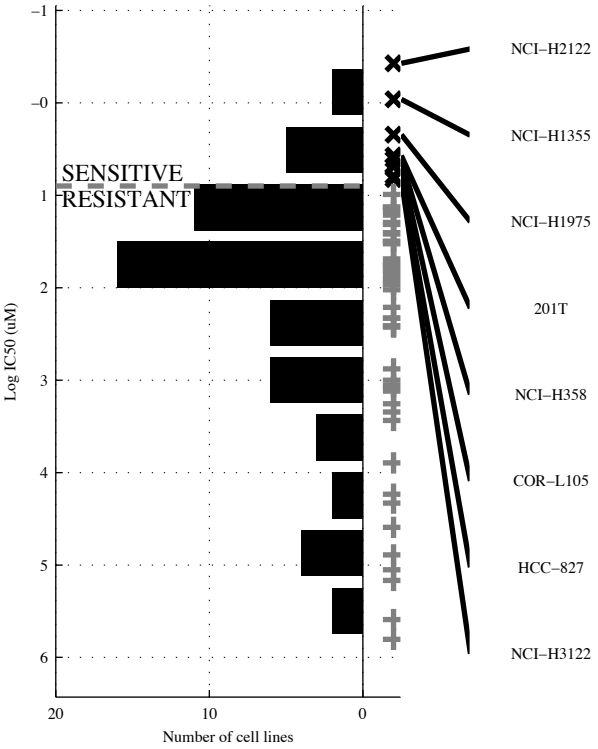


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d(SMAR</b>	<b>d(SMAR&amp;-d6q13</b>	<b>-SMAR&amp;d(SMAR&amp;-d22q13</b>	<b>-STK11&amp;d(SMAR&amp;-a(FOXA&amp;-d16q23</b>	<b>d(SMAR  d12q24</b>	<b>[ -STK11&amp;a(ARFG)   d(SMAR&amp;-d6q13 ]</b>	<b>d(SMAR  d12q24   a(ARFG</b>	<b>IDH1  NFE2L2  d(SMAR a(ARFG</b>
TP   FP	2   3	2   1	2   0	2   0	3   3	4   1	5   6	6   6
Specificity	0.94	0.98	1	1	0.94	0.98	0.88	0.88
FN   TN	6   49	6   51	6   52	6   52	5   49	4   51	3   46	2   46
Precision	0.4	0.67	1	1	0.5	0.8	0.45	0.5
Recall	0.25	0.25	0.25	0.25	0.38	0.5	0.63	0.75

LUAD  
 id: 207 name: AS601245  
 target: JNK class: JNK and p38 signaling

57 cell lines  
 8 sensitive

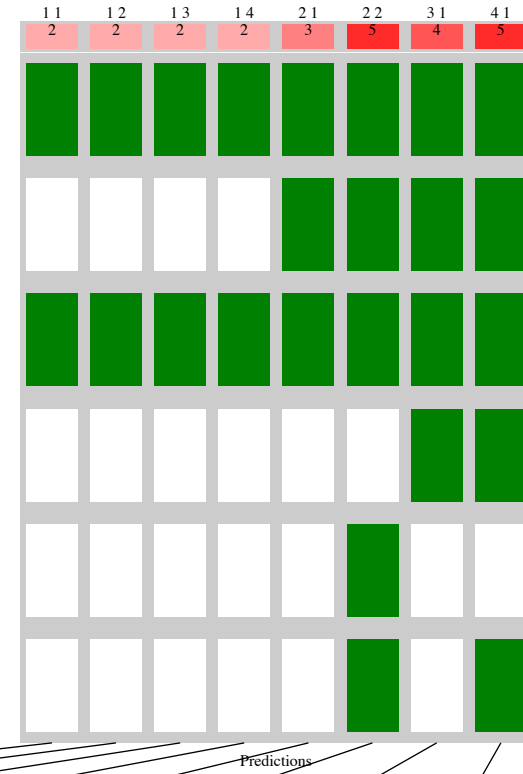
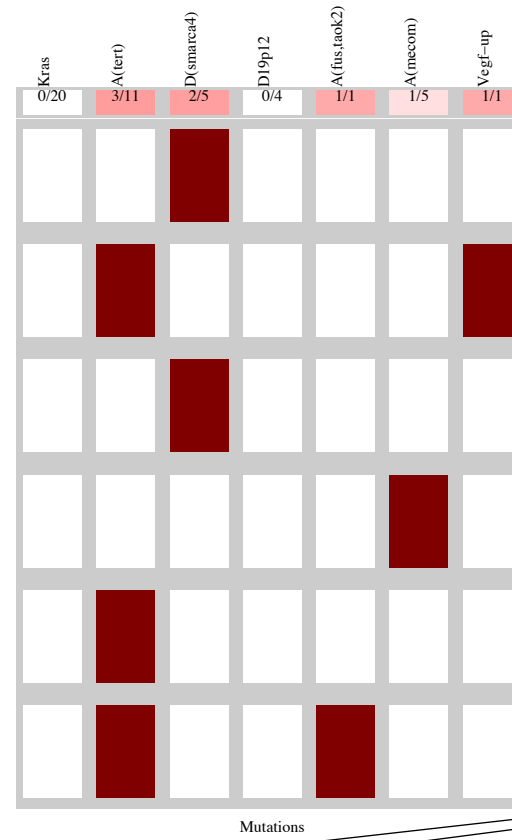
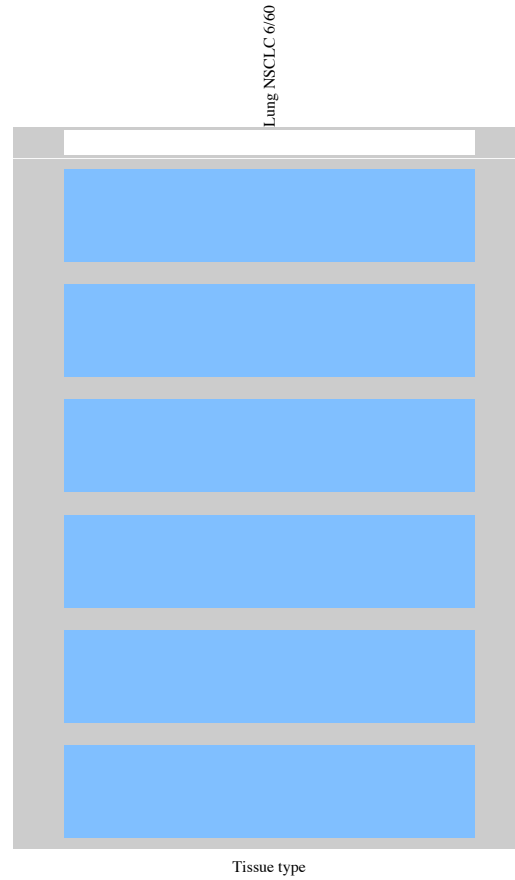
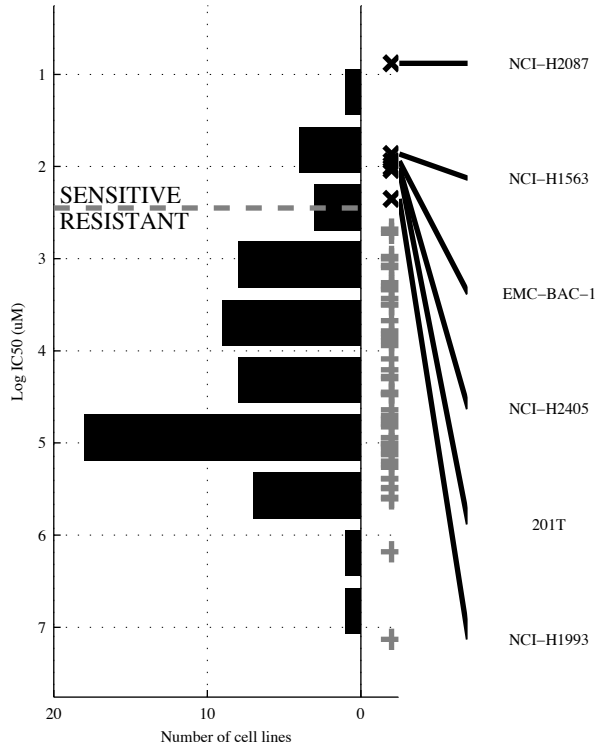
Lung NSCLC 8/57



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>PI3K o</b>		<b>d(CDKN2A) &amp; a(MYC)</b>		<b>KRAS &amp; a(FOXA2) &amp; -MAPK P</b>		<b>KRAS &amp; a(FOXA2) &amp; -MAPK &amp; JAK-ST</b>		<b>PI3K o   TGFB-D</b>		<b>[d(CDKN2A) &amp; a(MYC)]   [KEAP1 &amp; d13q14]</b>		<b>KEAP1   PI3K o   TGFB-D</b>		<b>KEAP1   d12q24   PI3K o   TGFB-D</b>	
TP   FP Specificity	1   5	0.9	3   6	0.88	3   9	0.82	3   8	0.84	4   5	0.9	4   6	0.88	5   6	0.88	6   6	0.88
FN   TN Precision	7   44	0.17	5   43	0.33	5   40	0.25	5   41	0.27	4   44	0.44	4   43	0.4	3   43	0.45	2   43	0.5
Recall		0.13		0.38		0.38		0.38		0.5		0.5		0.63		0.75

LUAD  
 id: 211 name: TL-2-105  
 target: CRAF class: ERK MAPK signaling

60 cell lines  
 6 sensitive



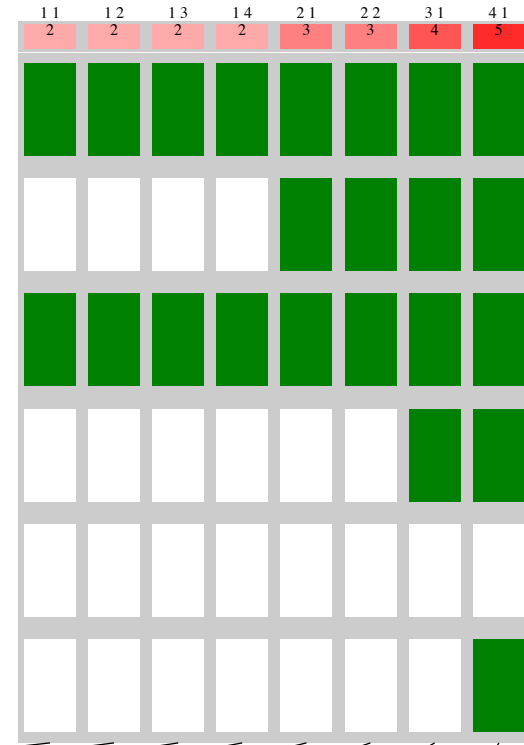
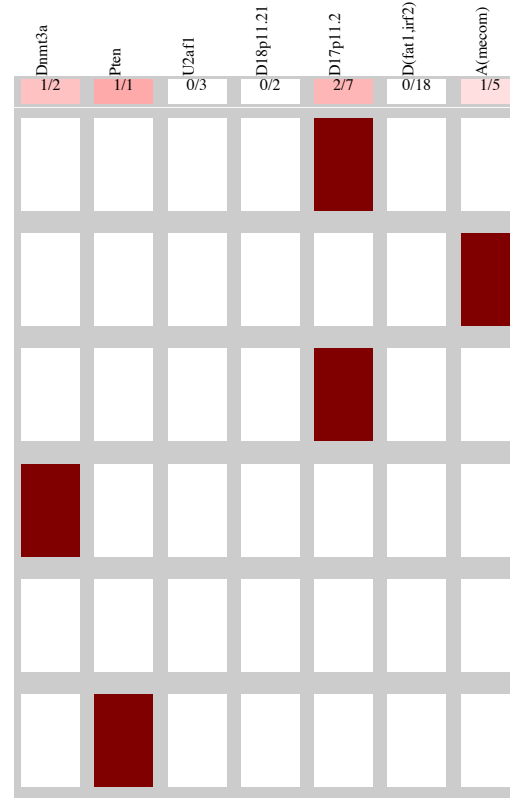
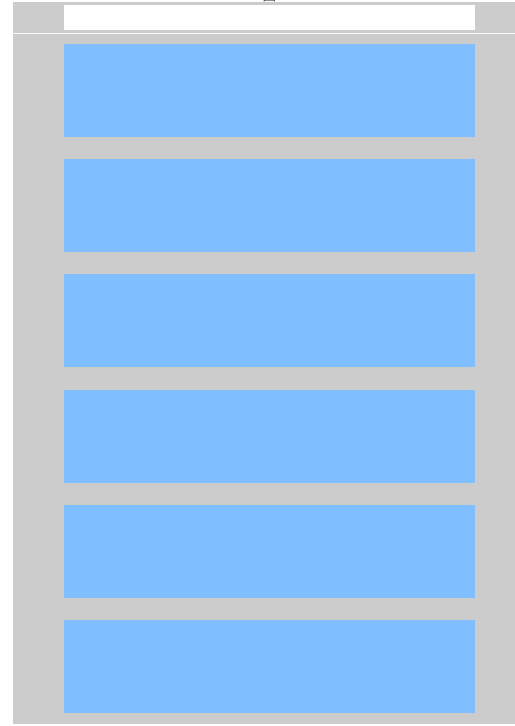
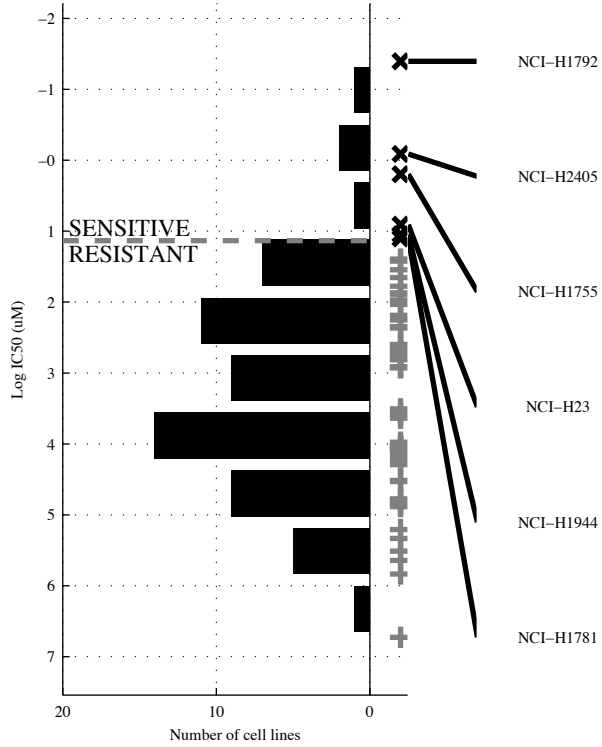
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d(SMAR</b>	<b>d(SMAR&amp;-d19p12</b>	<b>d(SMAR&amp;-d19p12&amp;</b>	<b>d(SMAR&amp;-d19p12&amp;</b>	<b>d(SMARIVEGF-U</b>	<b>[d(SMAR&amp;-d19p12]</b>	<b>d(SMARla(MECOI</b>	<b>d(SMAR  a(FUS,  </b>
				<b>&amp;</b>		<b> </b>	<b>VEGF-U</b>	<b>a(MECOIVEGF-U</b>
TP   FP Specificity	2   3 0.94	2   0 1	2   0 1	2   0 1	3   3 0.94	5   3 0.94	4   7 0.87	5   7 0.87
FN   TN Precision	4   51 0.4	4   54 1	4   54 1	4   54 1	3   51 0.5	1   51 0.63	2   47 0.36	1   47 0.42
Recall	0.33	0.33	0.33	0.33	0.5	0.83	0.67	0.83



LUAD  
 id: 224 name: AS605240  
 target: PI3Kgamma class: PI3K signaling

60 cell lines  
 6 sensitive

Lung NSCLC 6/60

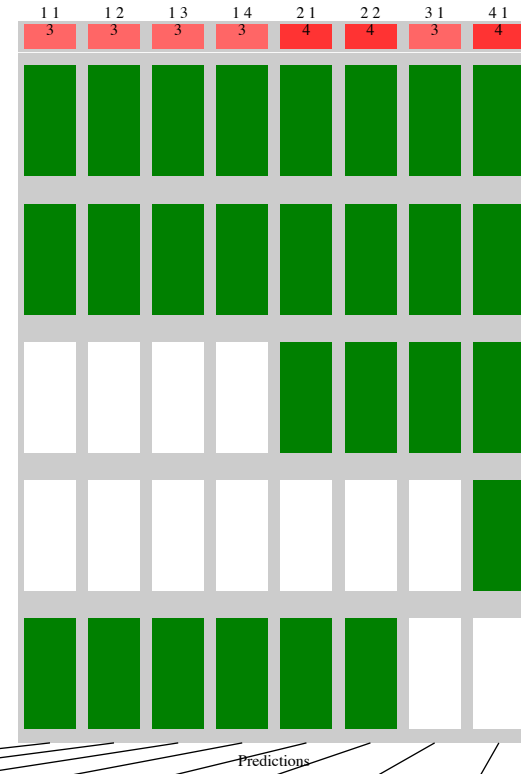
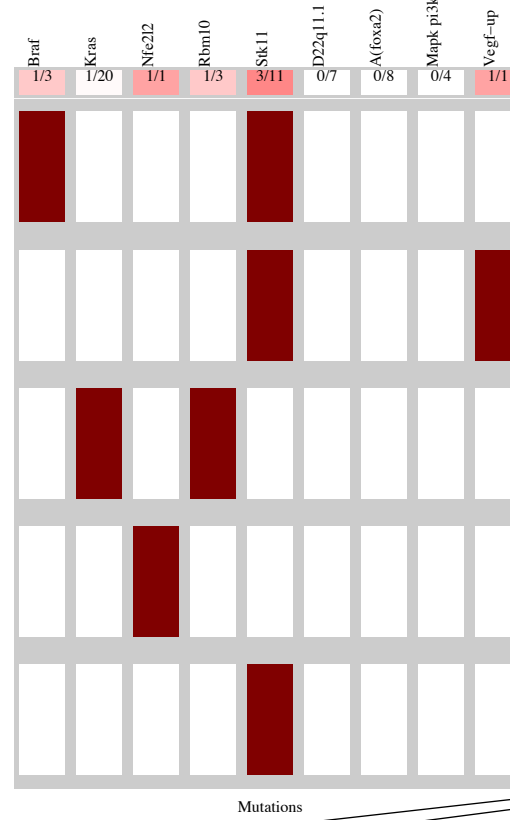
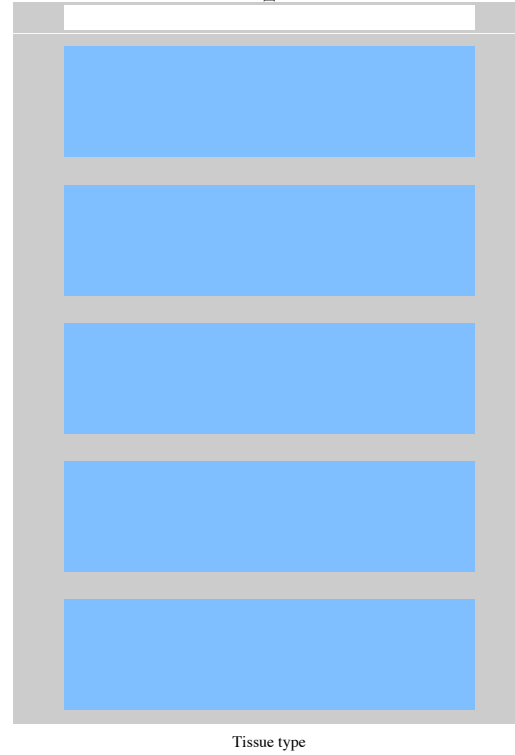
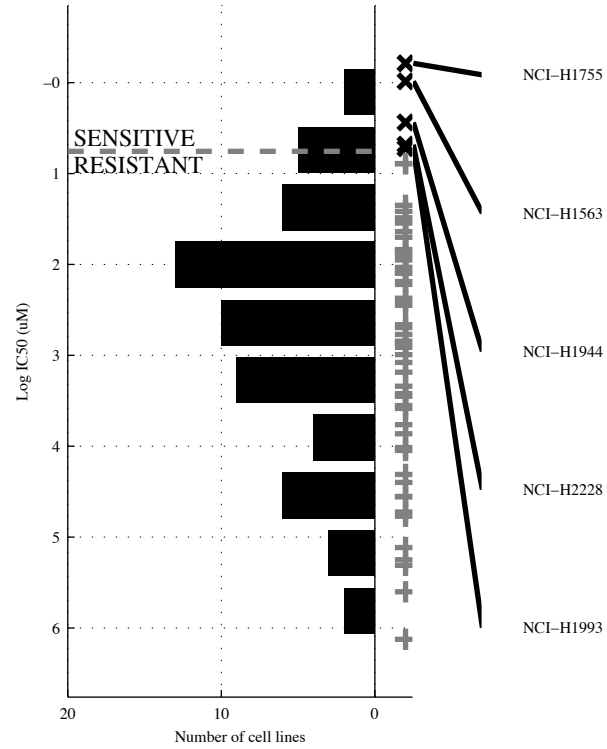


Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>d17p11</b>		<b>d17p11 &amp; ~d(FAT1)</b>		<b>~d18p11 &amp; d17p11 &amp; ~d(FAT1)</b>		<b>~U2AF1 &amp; d17p11 &amp; ~d(FAT1)</b>		<b>d17p11 la(MECO)</b>		<b>[ d17p11 &amp; ~d(FAT1) ]   [ ~d(FAT1) &amp; a(MECO) ]</b>		<b>DNMT3A   d17p11   a(MECO)</b>		<b>DNMT3A   PTEN   d17p11 la(MECO)</b>	
TP   FP Specificity	2   5	0.91	2   1	0.98	2   0	1	2   0	1	3   9	0.83	3   2	0.96	4   10	0.81	5   10	0.81
FN   TN Precision	4   49	0.29	4   53	0.67	4   54	1	4   54	1	3   45	0.25	3   52	0.6	2   44	0.29	1   44	0.33
Recall		0.33		0.33		0.33		0.33		0.5		0.5		0.67		0.83

LUAD  
 id: 228 name: KIN001-102  
 target: AKT1 class: PI3K signaling

60 cell lines  
 5 sensitive

Lung NSCLC 5/60

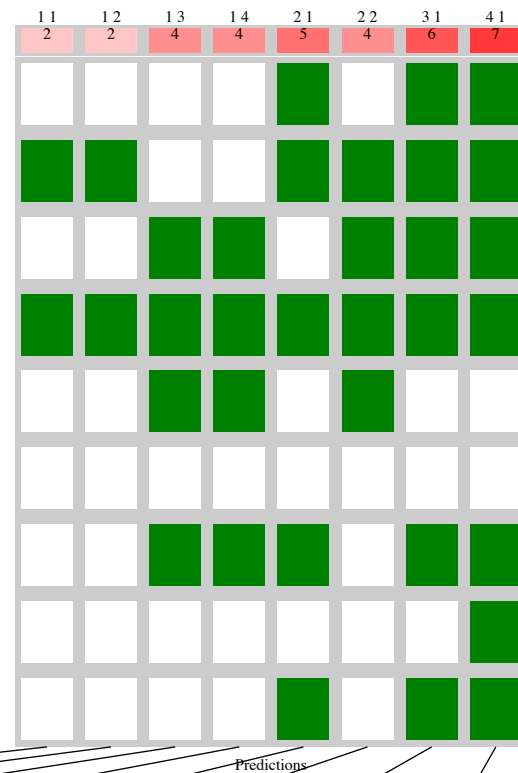
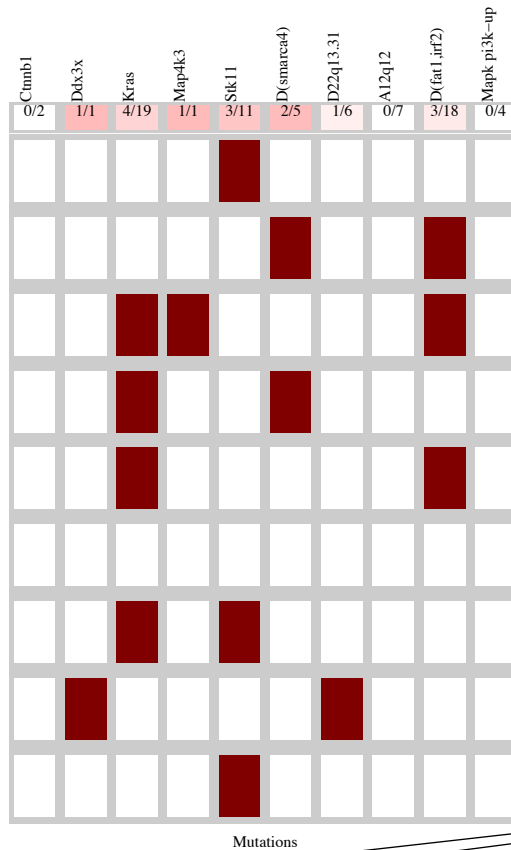
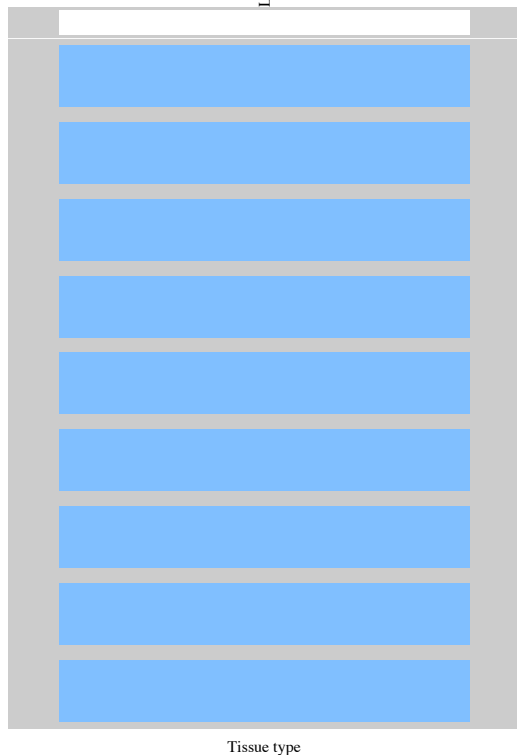
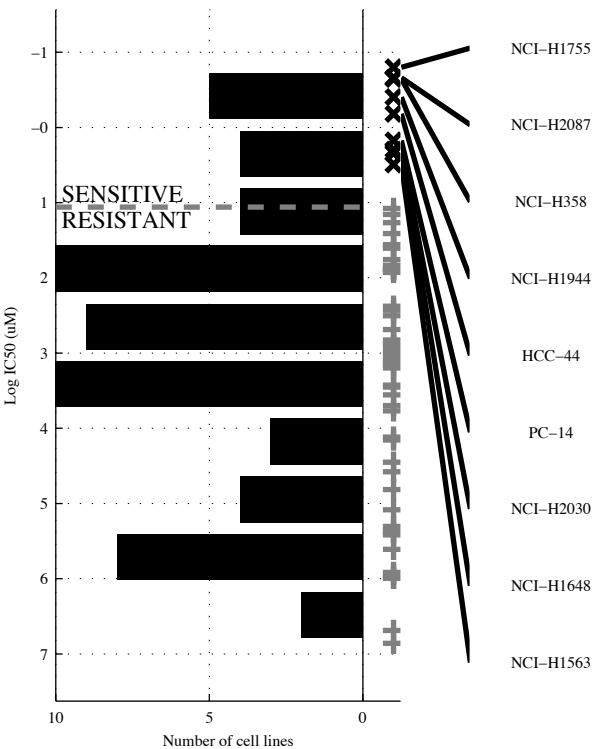


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>STK11</b>	<b>¬KRAS &amp; STK11</b>	<b>¬KRAS &amp; STK11 &amp; ¬a(FOXA)</b>	<b>¬KRAS &amp; STK11 &amp; ¬d22q11 &amp; a(FOXA)</b>	<b>RBM10   STK11</b>	<b>[ RBM10 &amp; MAPK ]   [ ¬KRAS &amp; STK11 ]</b>	<b>BRAF   RBM10   VEGF-U</b>	<b>BRAF   NFE2L2   RBM10   VEGF-U</b>
TP   FP	3   8	3   3	3   1	3   0	4   10	4   3	3   4	4   4
Specificity	0.85	0.95	0.98	1	0.82	0.95	0.93	0.93
FN   TN	2   47	2   52	2   54	2   55	1   45	1   52	2   51	1   51
Precision	0.27	0.5	0.75	1	0.29	0.57	0.43	0.5
Recall	0.6	0.6	0.6	0.6	0.8	0.8	0.6	0.8

LUAD  
 id: 229 name: LY317615  
 target: PRKCB (PKCbeta) class: other

59 cell lines  
 9 sensitive

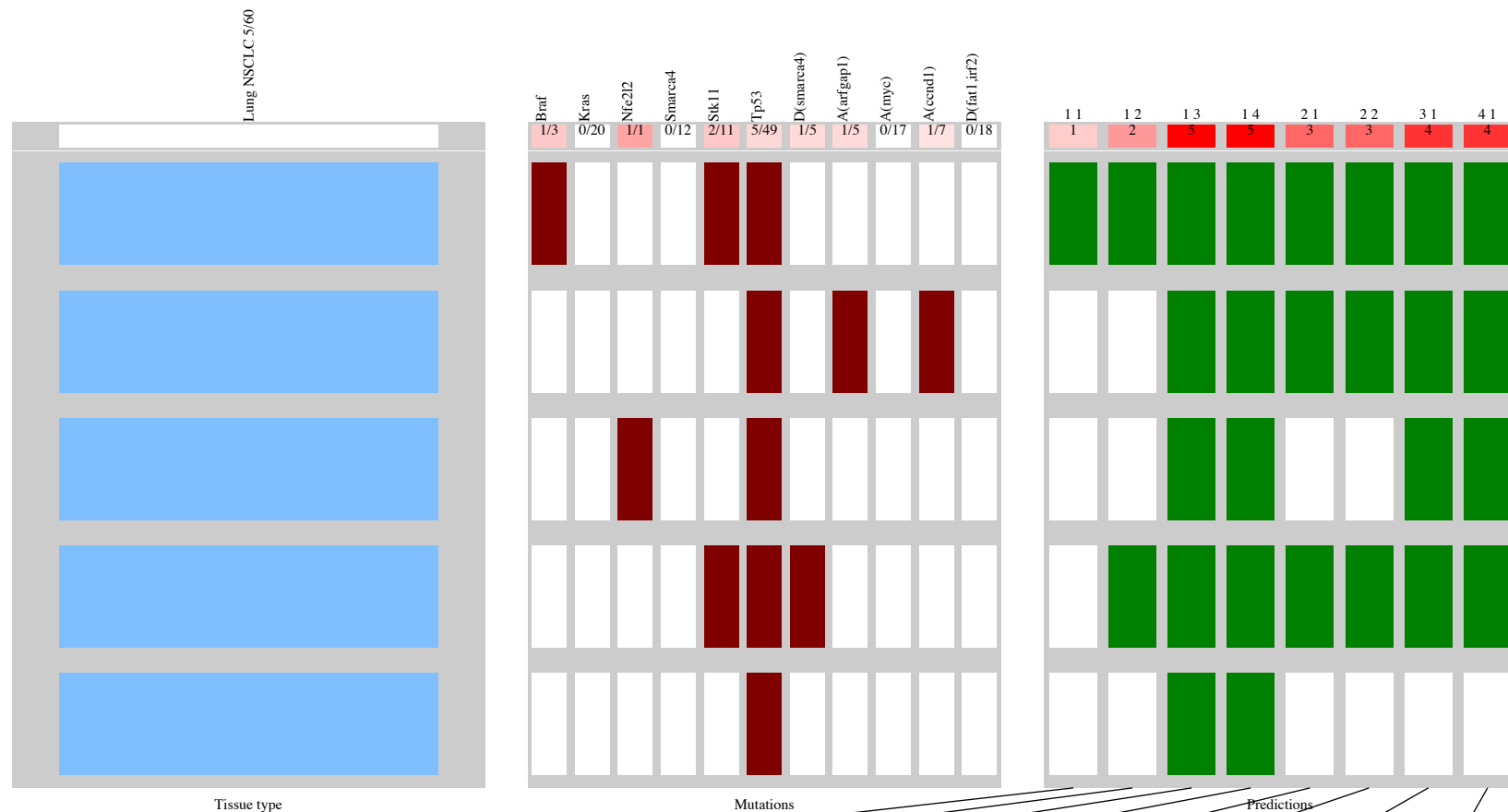
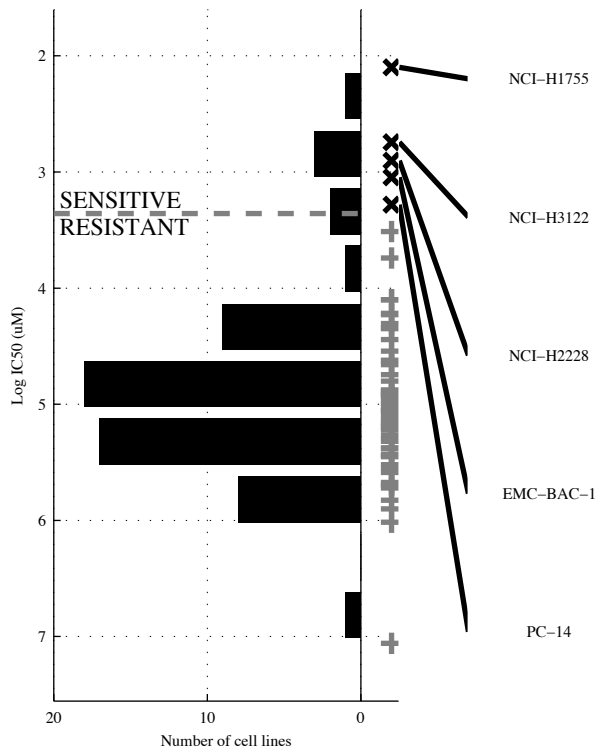
Lung NSCLC 9/59



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d(SMAR</b>	<b>d(SMAR &amp; d22q13</b>	<b>KRAS &amp; a12q12 &amp; MAPK P</b>	<b>CTNNB &amp; KRAS &amp; a12q12 &amp; MAPK P</b>	<b>STK11   d(SMAR</b>	<b>[ KRAS &amp; d(FAT1)   d(SMAR &amp; d22q13]</b>	<b>MAP4K3   STK11   d(SMAR</b>	<b>DDX3X   MAP4K3   STK11   d(SMAR</b>
TP   FP Specificity	2   3 0.94	2   1 0.98	4   7 0.86	4   6 0.88	5   10 0.8	4   2 0.96	6   10 0.8	7   10 0.8
FN   TN Precision	7   47 0.4	7   49 0.67	5   43 0.36	5   44 0.4	4   40 0.33	5   48 0.67	3   40 0.38	2   40 0.41
Recall	0.22	0.22	0.44	0.44	0.56	0.44	0.67	0.78

LUAD  
 id: 253 name: XMD14-99  
 target: EPHB3, CAMK1 class: RTK signaling

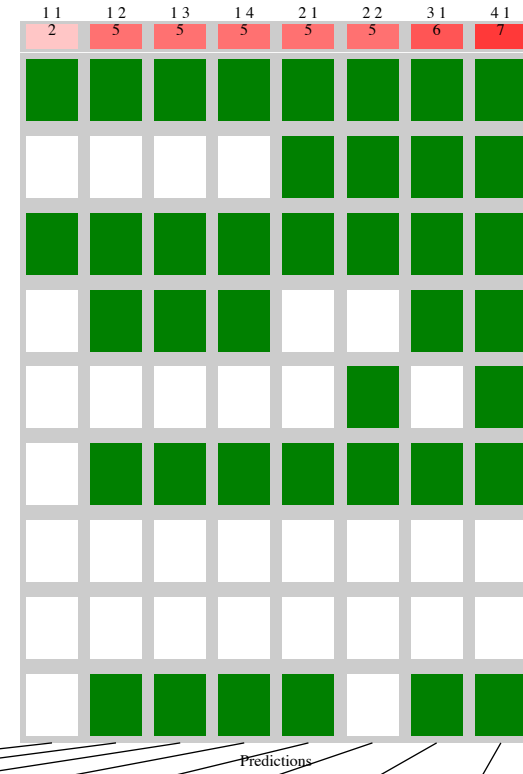
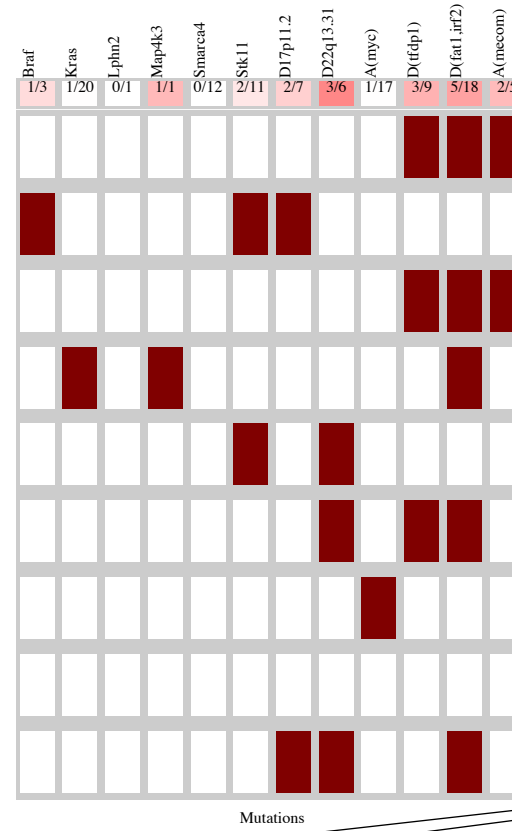
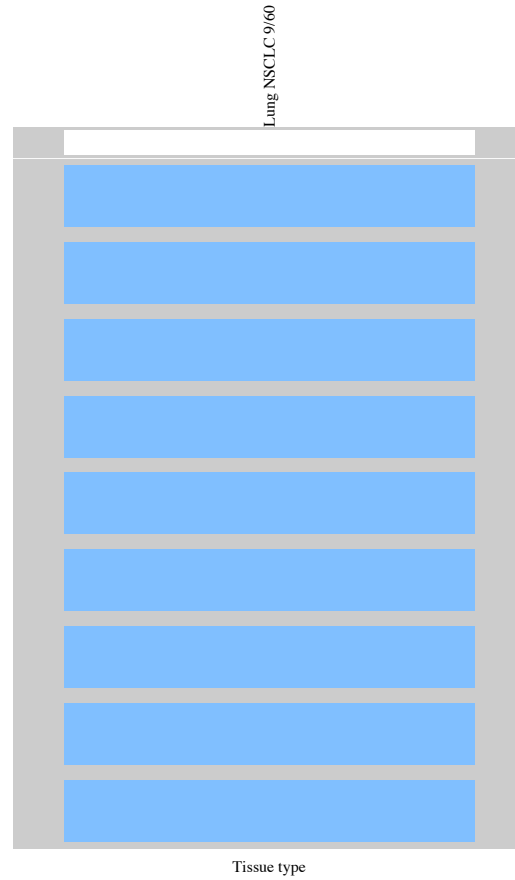
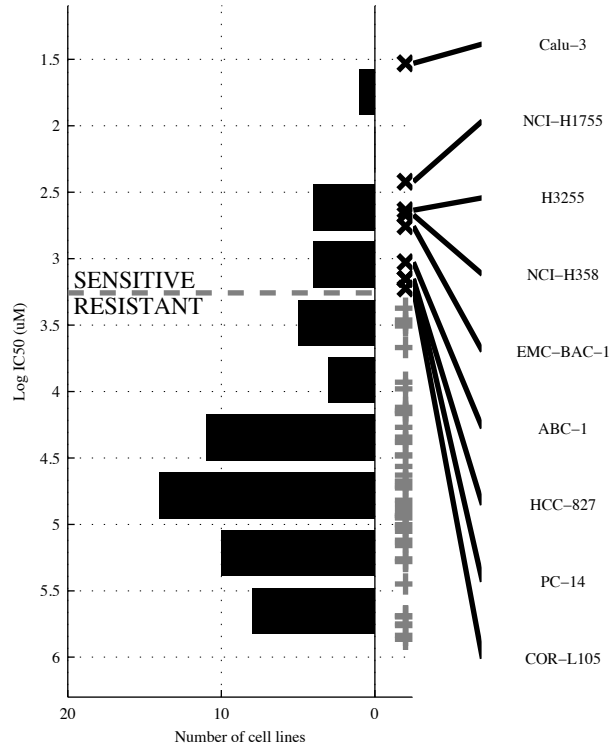
60 cell lines  
 5 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	1		1		1		1		2		2		3		4	
M	1		2		3		4		1		2		1		1	
Logic formula	<b>BRAF</b>		<b>STK11 &amp; TP53</b>		<b>-KRAS &amp; a(MYC)</b>		<b>-KRAS &amp; SMARCA4</b>		<b>STK11   a(ARFG)</b>		<b>[ STK11 &amp; TP53 ]</b>		<b>NFE2L2   STK11  </b>		<b>BRAF   NFE2L2  </b>	
					<b>-d(FAT1)</b>		<b>-a(MYC) &amp; -d(FAT1)</b>				<b>[ a(ARFG) &amp; a(CCND) ]</b>		<b>a(ARFG)</b>		<b>d(SMARCA4)   a(ARFG)</b>	
TP   FP	1   2	0.96	2   5	0.91	5   11	0.8	5   9	0.84	3   10	0.82	3   5	0.91	4   10	0.82	4   8	0.85
FN   TN	4   53	0.33	3   50	0.29	0   44	0.31	0   46	0.36	2   45	0.23	2   50	0.38	1   45	0.29	1   47	0.33
Specificity	0.96		0.91		0.8		0.84		0.82		0.91		0.82		0.85	
Precision	0.33		0.29		0.31		0.36		0.23		0.38		0.29		0.33	
Recall	0.2		0.4		1		1		0.6		0.6		0.8		0.8	

LUAD  
 id: 255 name: CP724714  
 target: ERBB2 class: EGFR signaling

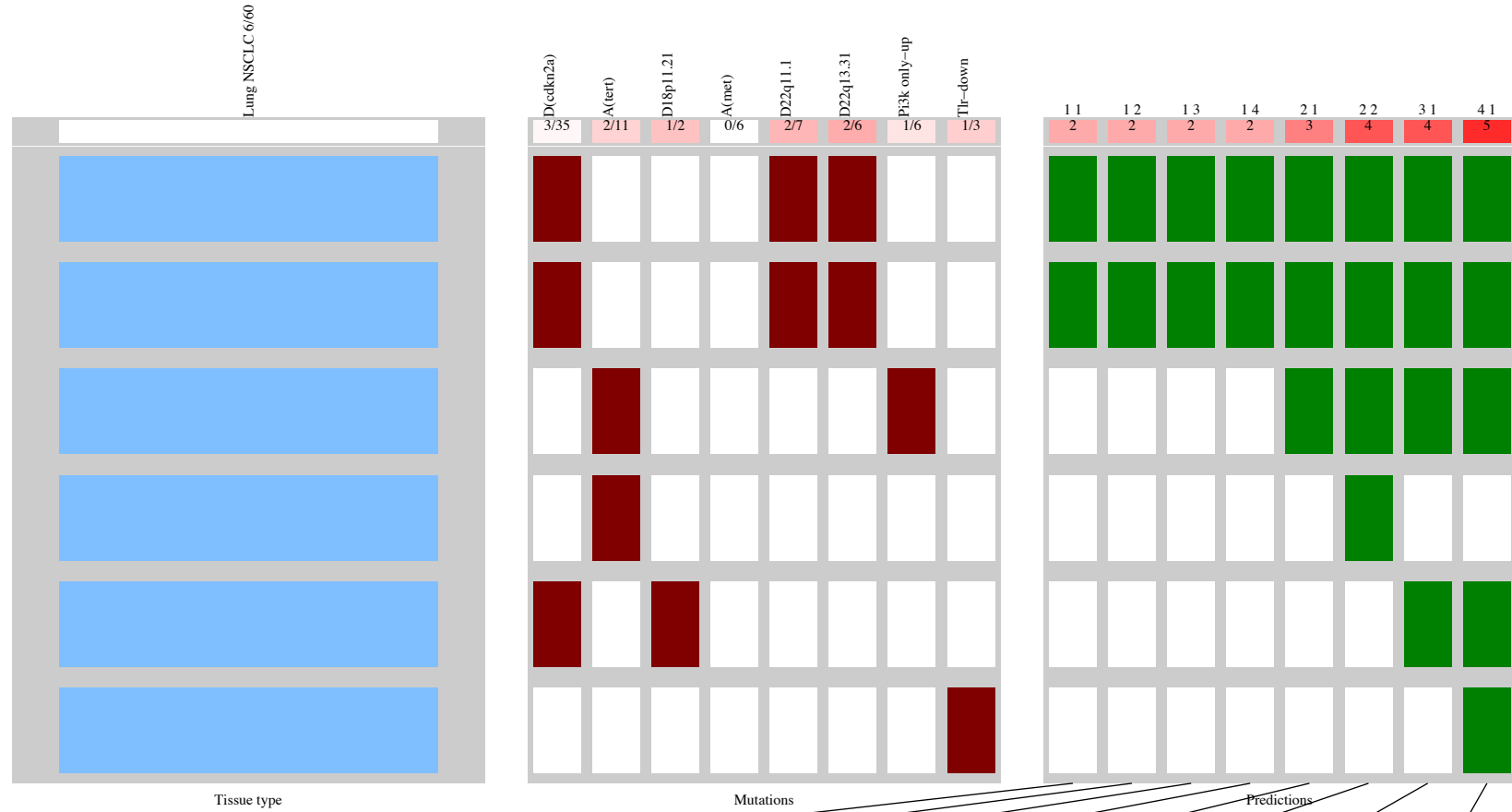
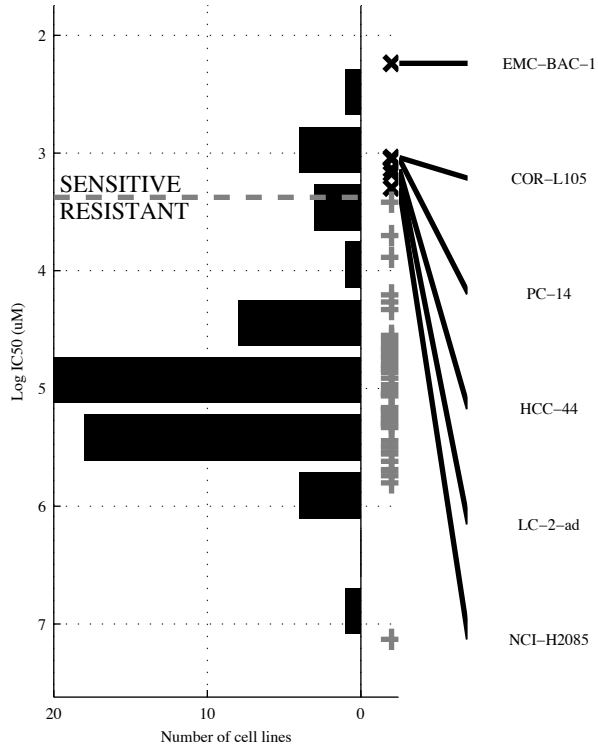
60 cell lines  
 9 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a(MECO)</b>	<b>~SMARCA4 &amp; d(FAT1)</b>	<b>~SMARCA4 &amp; a(MYC) &amp; d(FAT1)</b>	<b>~LPHN2 &amp; SMARCA4 &amp; ~a(MYC) &amp; d(FAT1)</b>	<b>d17p11   d(TFDP)</b>	<b>[ d(TFDP) &amp; d(FAT1) ]   [ ~KRAS &amp; STK11 ]</b>	<b>MAP4K3   d17p11   d(TFDP)</b>	<b>BRAF   MAP4K3   d22q13   la(MECO)</b>
TP   FP	2   3	5   7	5   4	5   3	5   9	5   6	6   9	7   8
Specificity	0.94	0.86	0.92	0.94	0.82	0.88	0.82	0.84
FN   TN	7   48	4   44	4   47	4   48	4   42	4   45	3   42	2   43
Precision	0.4	0.42	0.56	0.63	0.36	0.45	0.4	0.47
Recall	0.22	0.56	0.56	0.56	0.56	0.56	0.67	0.78

LUAD  
 id: 258 name: STF-62247  
 target: stimulates autophagy class: other

60 cell lines  
 6 sensitive

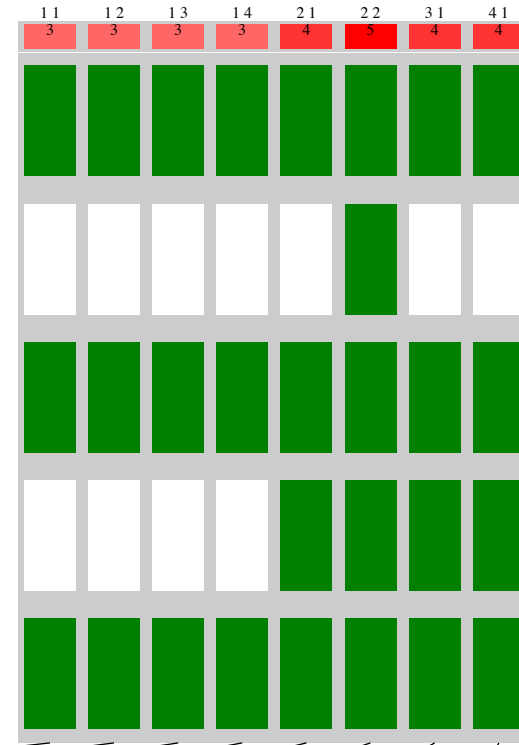
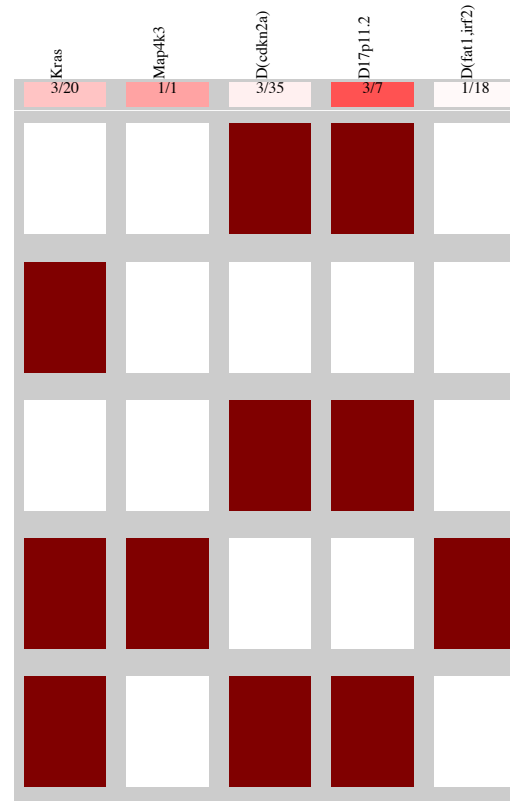
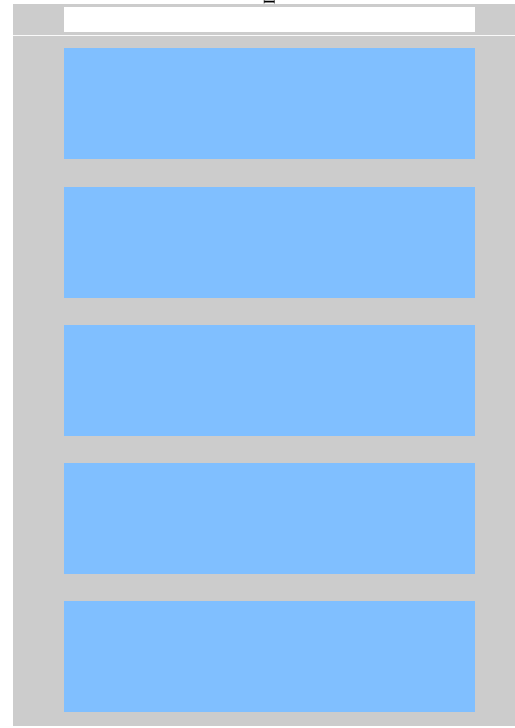
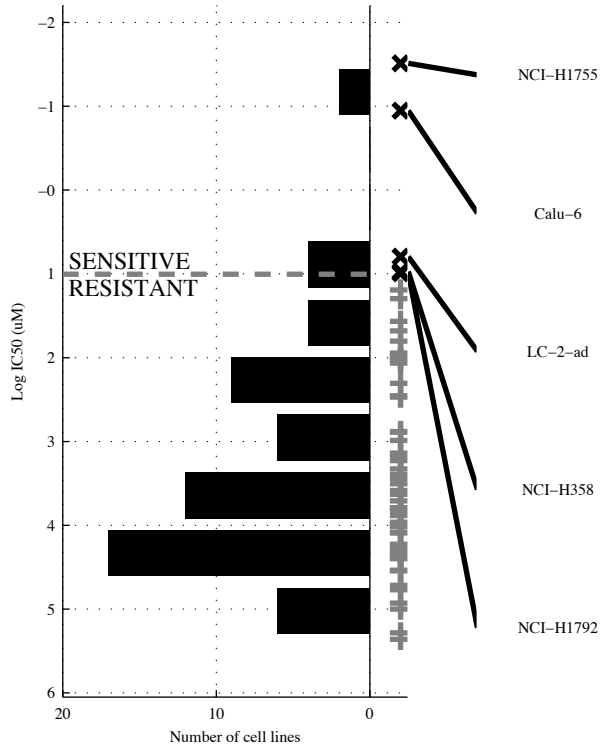


Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>d22q13</b>		<b>d22q11 &amp; d22q13</b>		<b>¬a(MET &amp; d22q11 &amp; d22q13)</b>		<b>¬a(MET &amp; d22q11 &amp; d22q13 &amp; d22q13)</b>		<b>d22q13   PI3K o</b>		<b>[ d22q11 &amp; d22q13 ]   [¬d(CDKN2A) &amp; a(TERT)]</b>		<b>d18p11   d22q13   PI3K o</b>		<b>d18p11   d22q13   PI3K o   TLR-DO</b>	
TP   FP Specificity	2   4	0.93	2   1	0.98	2   0	1	2   0	1	3   7	0.87	4   5	0.91	4   7	0.87	5   8	0.85
FN   TN Precision	4   50	0.33	4   53	0.67	4   54	1	4   54	1	3   47	0.3	2   49	0.44	2   47	0.36	1   46	0.38
Recall		0.33		0.33		0.33		0.33		0.5		0.67		0.67		0.83

LUAD  
 id: 262 name: VX-11e  
 target: ERK class: ERK MAPK signaling

60 cell lines  
 5 sensitive

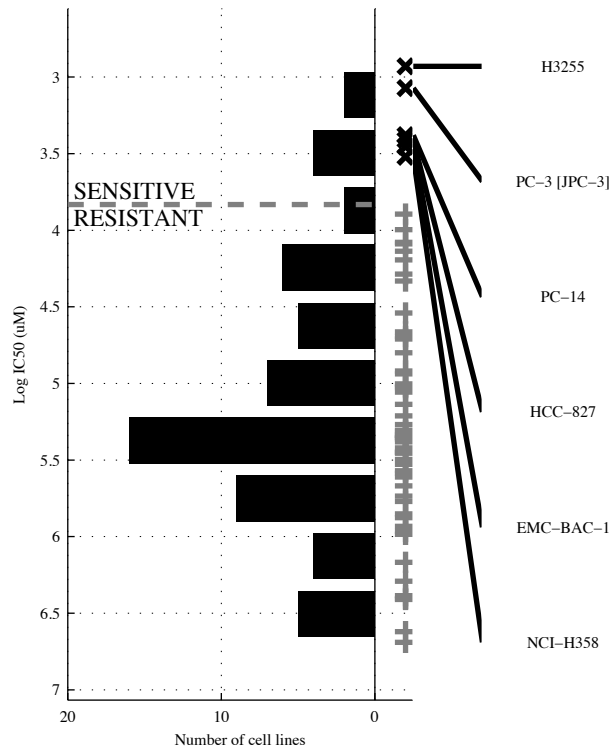
Lung NSCLC 5/60



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>d17p11</b>		<b>d17p11 &amp; ~d(FAT1)</b>		<b>d17p11 &amp; ~d(FAT&amp;)</b>		<b>d17p11 &amp; ~d(FAT&amp; &amp;)</b>		<b>MAP4K3  d17p11</b>		<b>[ KRAS &amp; d(CDKN)   d17p11 &amp; ~d(FAT1) ]</b>		<b>MAP4K3  d17p11  </b>		<b>MAP4K3  d17p11  </b>	
TP   FP	3   4	3   0	3   0	3   0	4   4	5   8	4   4	4   4	4   4	4   4	4   4	4   4	4   4	4   4	4   4	
FN   TN	2   51	2   55	2   55	2   55	1   51	0   47	1   51	1   51	1   51	1   51	1   51	1   51	1   51	1   51	1   51	
Specificity	0.93	1	1	1	0.93	0.85	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	
Precision	0.43	1	1	1	0.5	0.38	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
Recall	0.6	0.6	0.6	0.6	0.8	1	0.8	0.8	0.8	0.8	1	0.8	0.8	0.8	0.8	

LUAD  
 id: 263 name: FR-180204  
 target: ERK class: ERK MAPK signaling

60 cell lines  
 6 sensitive

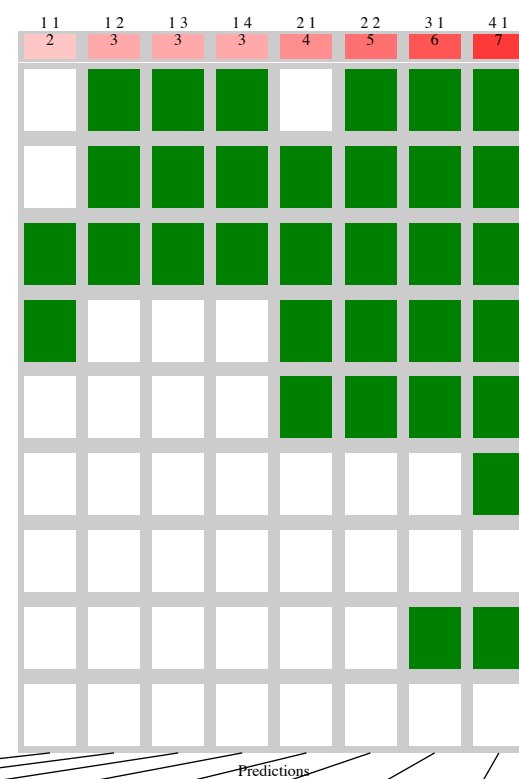
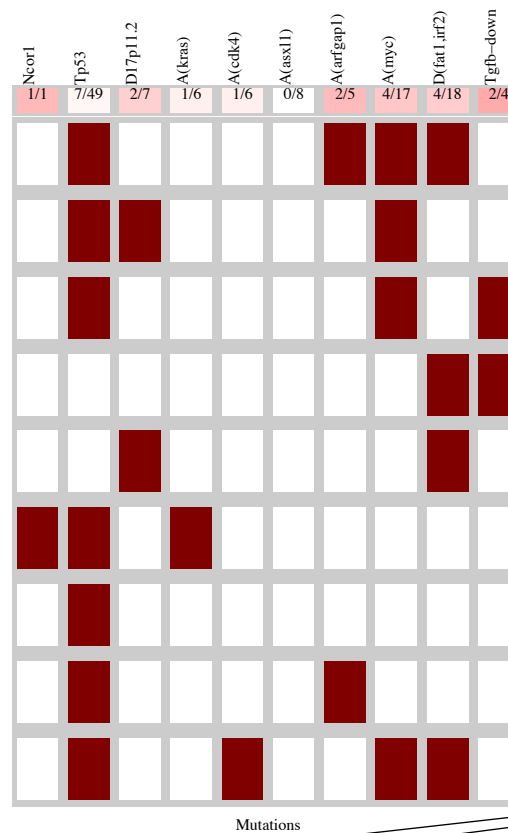
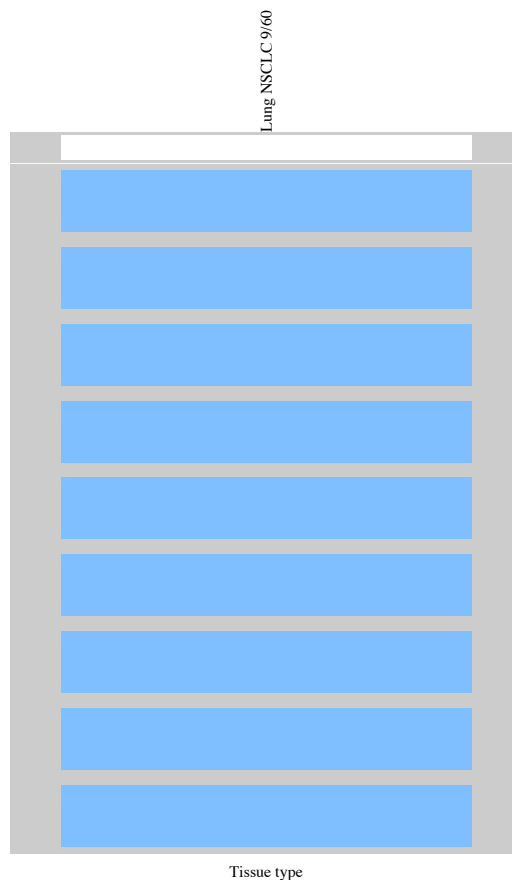
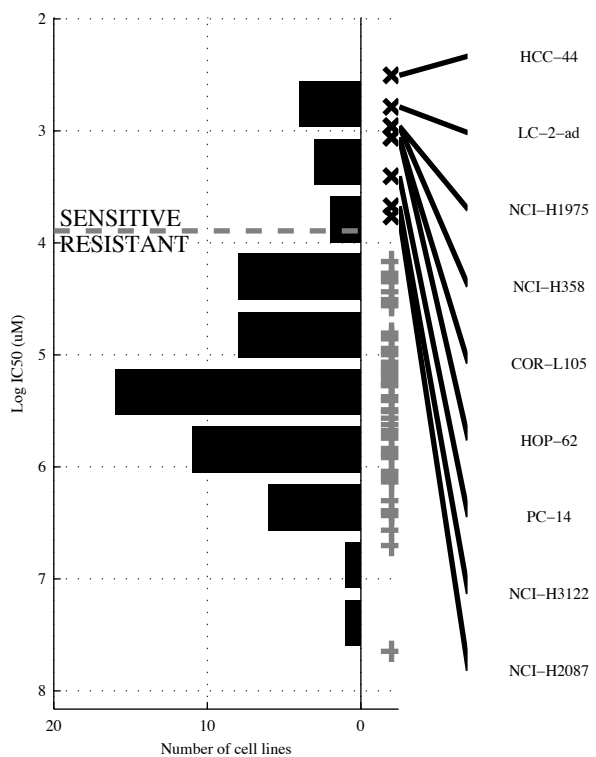


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>EGFR</b>	<b>EGFR &amp;a(CCND)</b>	<b>EGFR &amp;¬KRAS&amp;</b> <b>¬a(CCND)</b>	<b>EGFR &amp;¬KRAS&amp;</b> <b>¬a(CCNE&amp;</b>	<b>EGFR  MAP4K3</b>	<b>[ EGFR &amp;a(CCND)</b> <b> </b> <b>[d(SMAR&amp;d22q11 )</b>	<b>EGFR  MAP4K3 </b> <b>d(SMAR)</b>	<b>EGFR  MAP4K3 </b> <b>d(SMAR </b>
TP   FP Specificity FN   TN Precision Recall	$\frac{4}{2} \mid \frac{1}{53}$ 0.98 0.8 0.67	$\frac{4}{2} \mid \frac{0}{54}$ 1 1 0.67	$\frac{4}{2} \mid \frac{0}{54}$ 1 1 0.67	$\frac{4}{2} \mid \frac{0}{54}$ 1 1 0.67	$\frac{5}{1} \mid \frac{1}{53}$ 0.98 0.83 0.83	$\frac{5}{1} \mid \frac{0}{54}$ 1 1 0.83	$\frac{6}{0} \mid \frac{5}{49}$ 0.91 0.55 1	$\frac{6}{0} \mid \frac{5}{49}$ 0.91 0.55 1



LUAD  
 id: 265 name: Tubastatin A  
 target: HDAC6 class: chromain histone acetylation

60 cell lines  
 9 sensitive

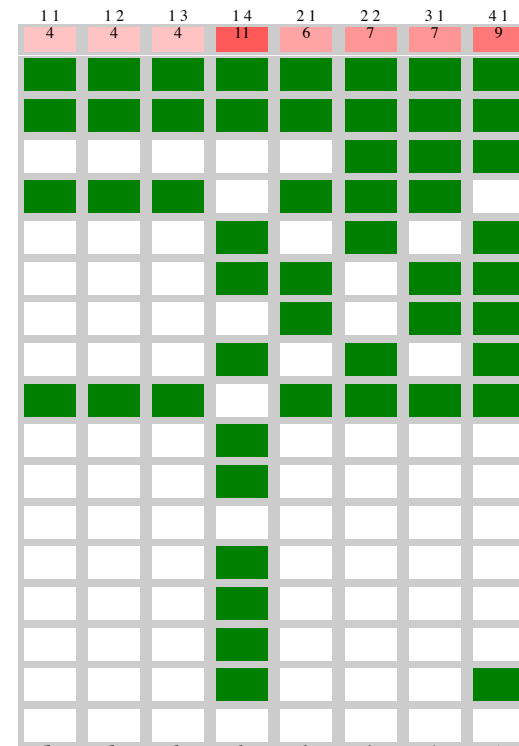
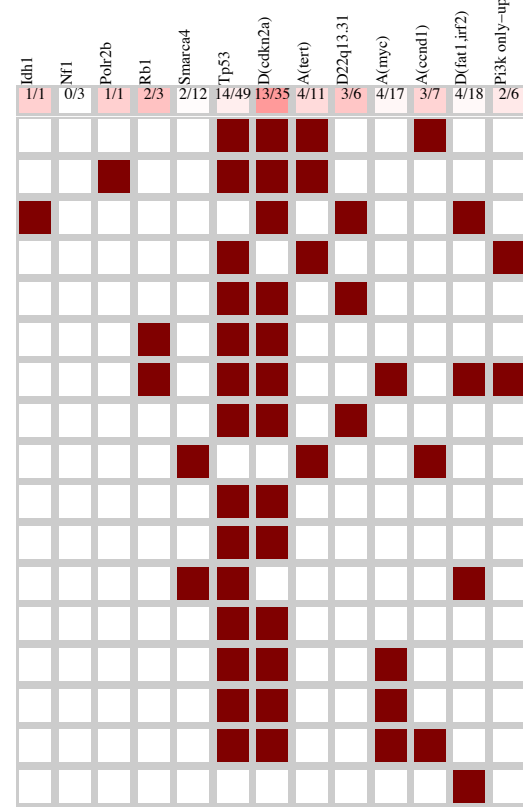
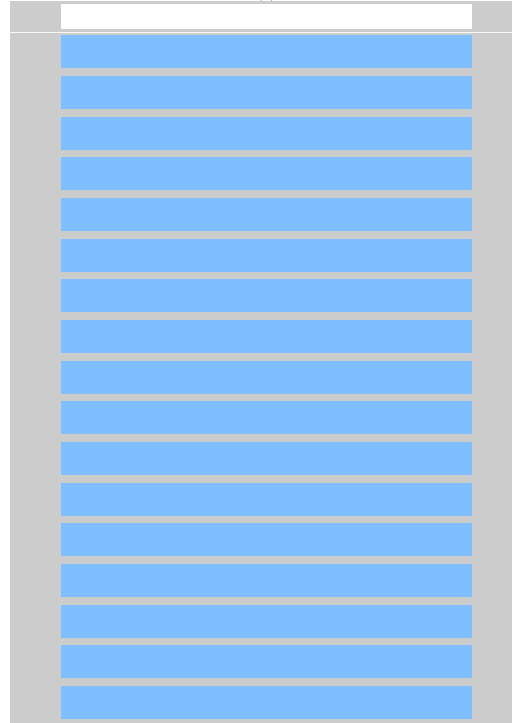
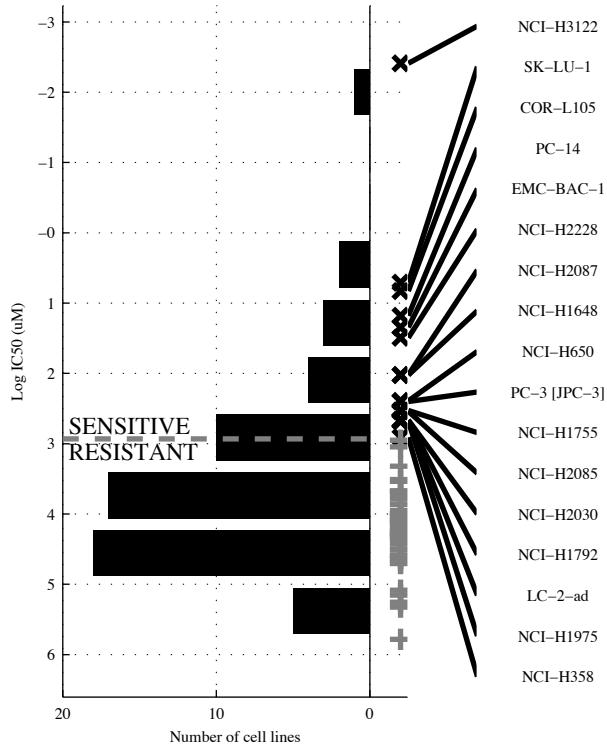


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>TGFB-D</b>	<b>¬a(CDK&amp;a(MYC)</b>	<b>¬a(CDK&amp;a(ASXI&amp;a(MYC)</b>	<b>¬a(KRAS&amp;a(CDK&amp;¬a(ASXI&amp;a(MYC)</b>	<b>d17p11   TGFB-D</b>	<b>[¬a(CDK&amp;a(MYC)]   [¬TP53 &amp;d(FAT1]</b>	<b>d17p11   a(ARFG   TGFB-D</b>	<b>NCOR1   d17p11   a(ARFG   TGFB-D</b>
TP   FP	2   2	3   8	3   5	3   4	4   7	5   9	6   10	7   10
Specificity	0.96	0.84	0.9	0.92	0.86	0.82	0.8	0.8
FN   TN	7   49	6   43	6   46	6   47	5   44	4   42	3   41	2   41
Precision	0.5	0.27	0.38	0.43	0.36	0.36	0.38	0.41
Recall	0.22	0.33	0.33	0.33	0.44	0.56	0.67	0.78

LUAD  
 id: 281 name: CH5424802  
 target: ALK class: RTK signaling

60 cell lines  
 17 sensitive

Lung NSCLC 17/60

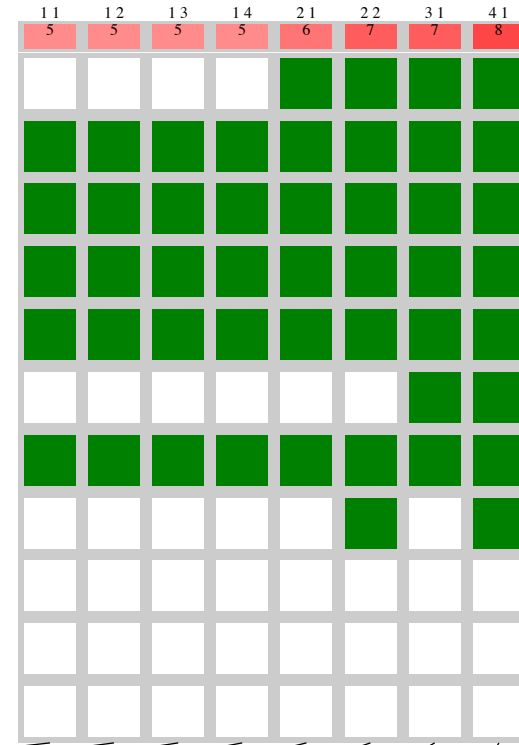
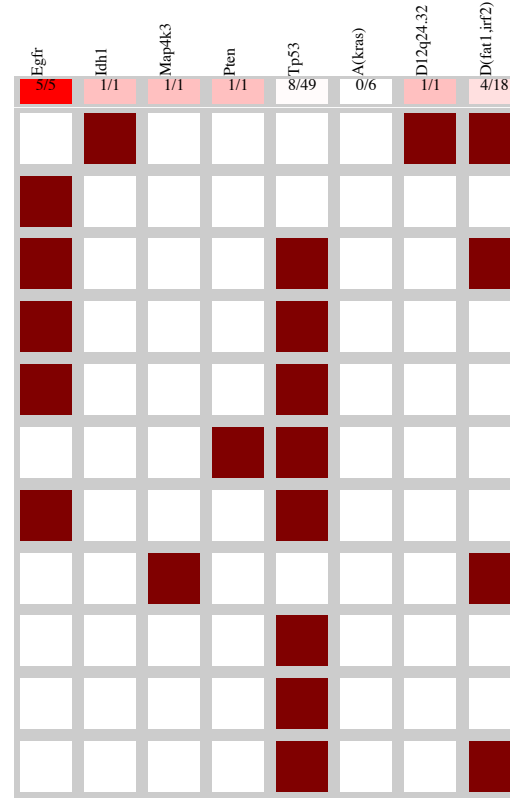
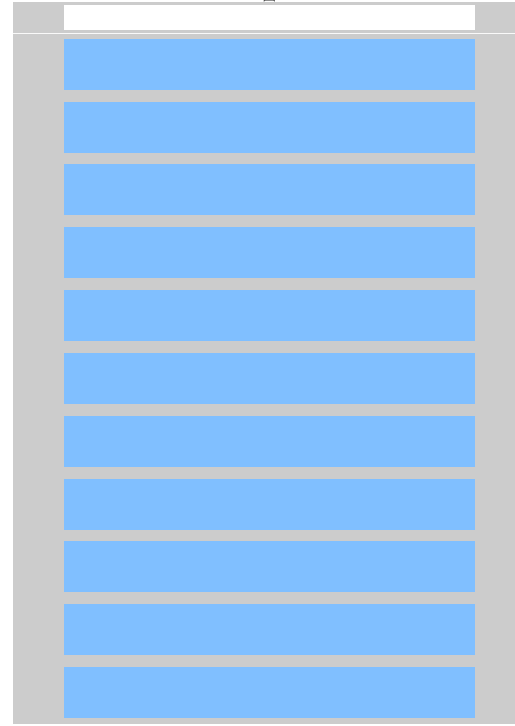
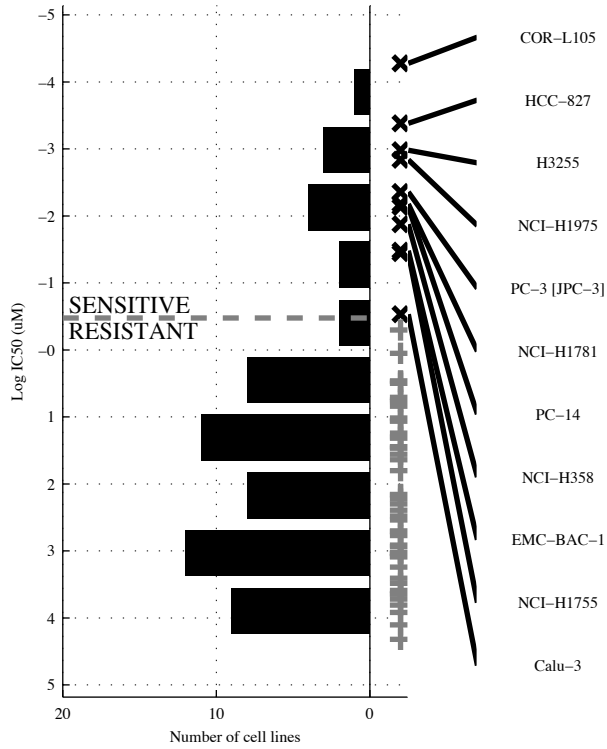


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a(TERT)</b>	<b>a(TERT &amp; a(MYC))</b>	<b>¬NF1 &amp; a(TERT &amp; a(MYC))</b>	<b>¬SMARCA4 &amp; TP53 &amp; d(CDKN2A) &amp; d(FAT1)</b>	<b>RB1   a(TERT)</b>	<b>[ d22q13 &amp; ¬PI3K o ]   [ a(TERT &amp; a(MYC)) ]</b>	<b>IDH1   RB1   a(TERT)</b>	<b>POLR2B   RB1   d22q13   a(CCND)</b>
TP   FP	4   7	4   2	4   1	11   5	6   8	7   2	7   8	9   8
Specificity	0.84	0.95	0.98	0.88	0.81	0.95	0.81	0.81
FN   TN	13   36	13   41	13   42	6   38	11   35	10   41	10   35	8   35
Precision	0.36	0.67	0.8	0.69	0.43	0.78	0.47	0.53
Recall	0.24	0.24	0.24	0.65	0.35	0.41	0.41	0.53

LUAD  
 id: 282 name: EKB-569  
 target: EGFR class: EGFR signaling

60 cell lines  
 11 sensitive

Lung NSCLC 11/60

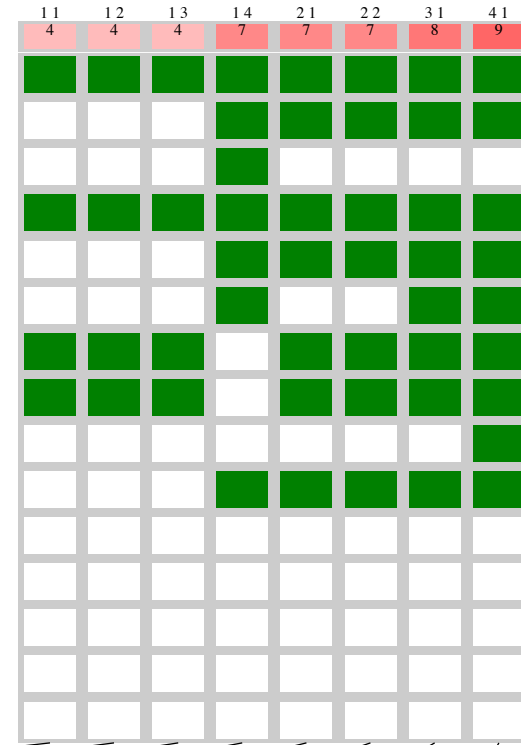
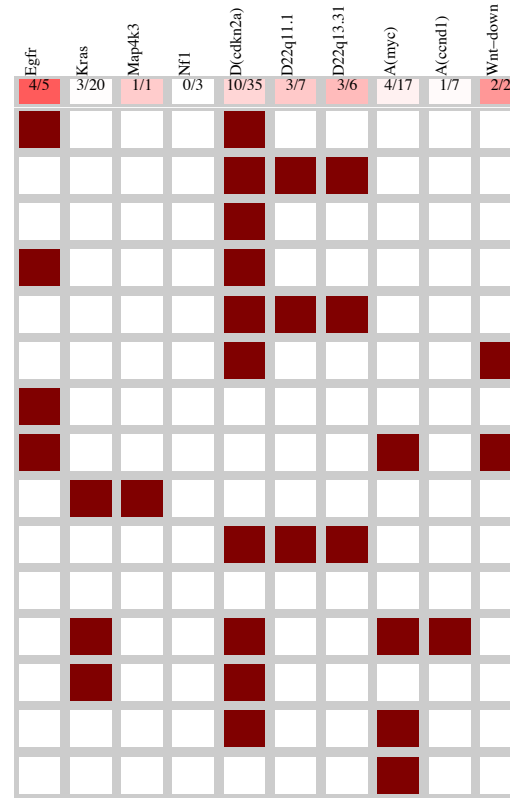
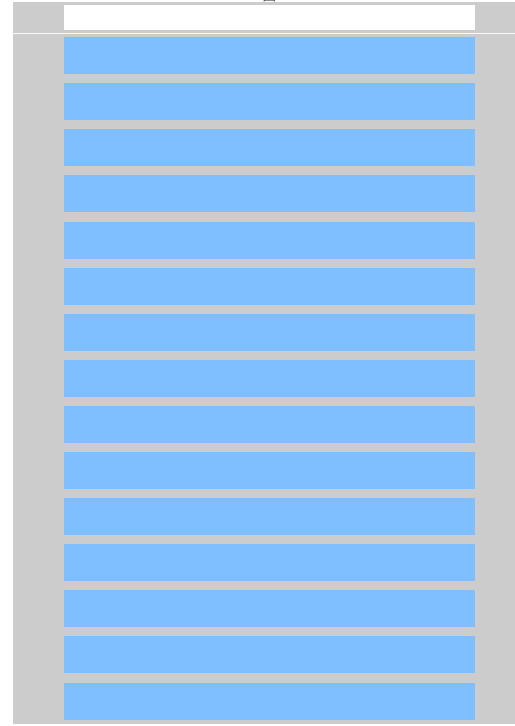
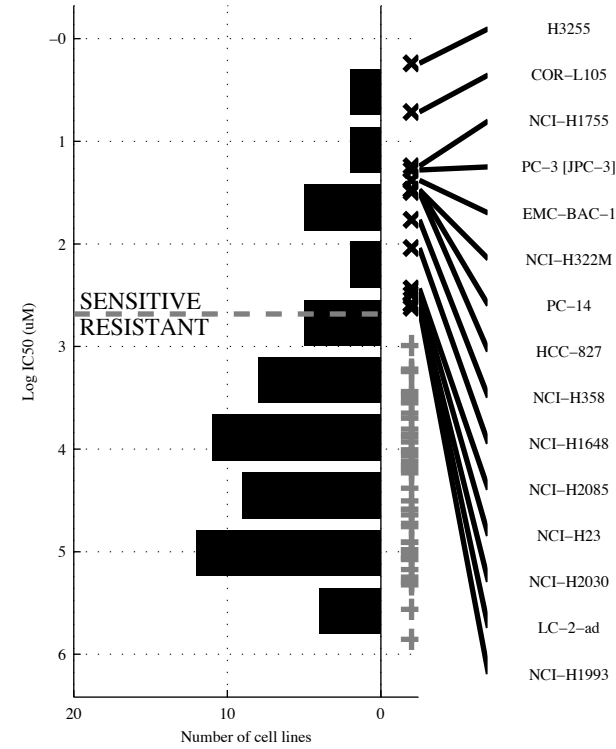


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>EGFR</b>	<b>EGFR &amp;</b>	<b>EGFR &amp; &amp;</b>	<b>EGFR &amp; &amp;</b>	<b>EGFR   d12q24</b>	<b>[ -TP53 &amp;d(FAT1)   [ EGFR &amp;a(KRAS)</b>	<b>EGFR   PTEN   d12q24</b>	<b>EGFR   IDH1   MAP4K3  PTEN</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{5}{6} \mid \frac{0}{49}$ 1 0.45	$\frac{5}{6} \mid \frac{0}{49}$ 1 0.45	$\frac{5}{6} \mid \frac{0}{49}$ 1 0.45	$\frac{5}{6} \mid \frac{0}{49}$ 1 0.45	$\frac{6}{5} \mid \frac{0}{49}$ 1 0.55	$\frac{7}{4} \mid \frac{1}{48}$ 0.98 0.88 0.64	$\frac{7}{4} \mid \frac{0}{49}$ 1 0.64	$\frac{8}{3} \mid \frac{0}{49}$ 1 0.73

LUAD  
 id: 288 name: KIN001-055  
 target: JAK3, MNK1 class: other

60 cell lines  
 15 sensitive

Lung NSCLC 15/60

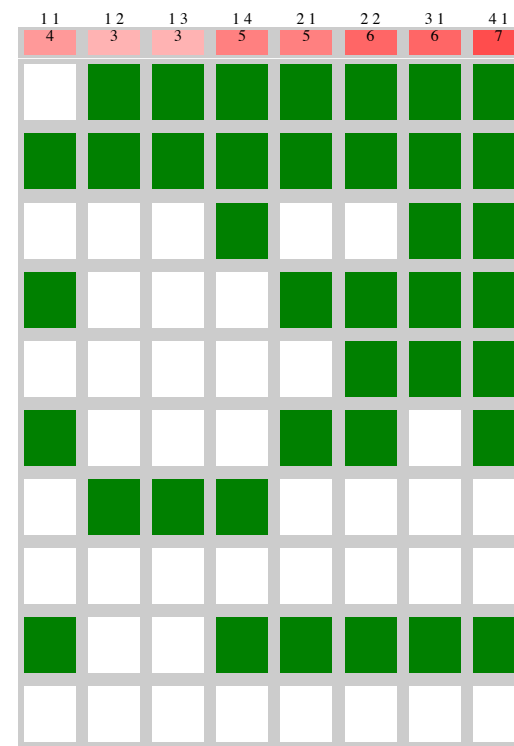
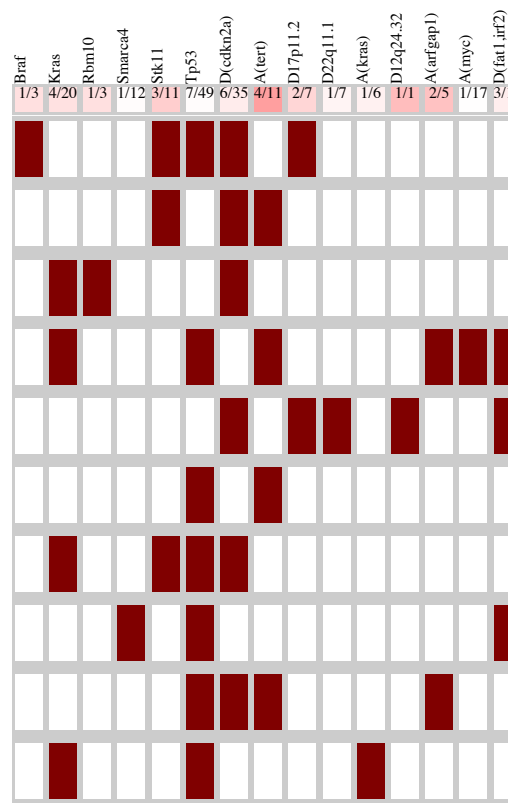
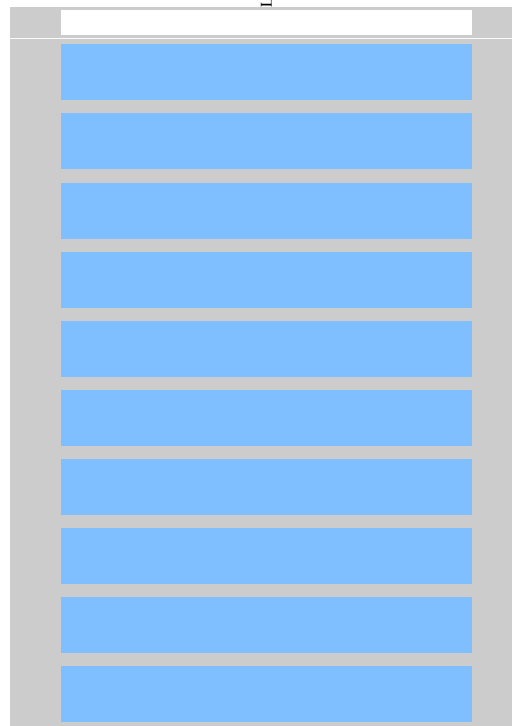
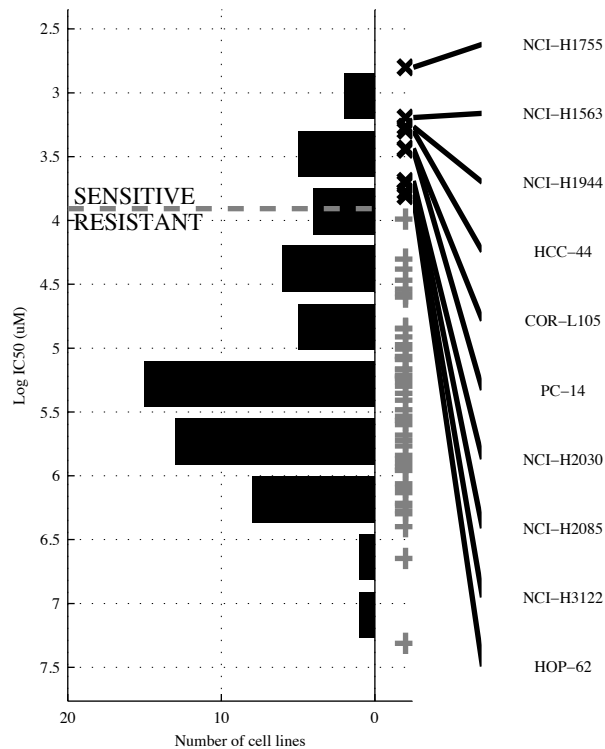


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>EGFR</b>	<b>EGFR &amp;a(CCND)</b>	<b>EGFR &amp;a(CCN1&amp;2)</b>	<b>-KRAS &amp; -NF1 &amp; d(CDKN2A) &amp;a(MYC)</b>	<b>EGFR   d22q13</b>	<b>[ d22q11 &amp; d22q13 ]   [ EGFR &amp;a(CCND) ]</b>	<b>EGFR   d22q13   Wnt-DO</b>	<b>EGFR   MAP4K3   d22q13   Wnt-DO</b>
TP   FP Specificity	4   1 0.98	4   0 1	4   0 1	7   9 0.8	7   4 0.91	7   0 1	8   4 0.91	9   4 0.91
FN   TN Precision	11   44 0.8	11   45 1	11   45 1	8   36 0.44	8   41 0.64	8   45 1	7   41 0.67	6   41 0.69
Recall	0.27	0.27	0.27	0.47	0.47	0.47	0.53	0.6

LUAD  
 id: 290 name: KIN001-260  
 target: IKK class: other

60 cell lines  
 10 sensitive

Lung NSCLC 10/60

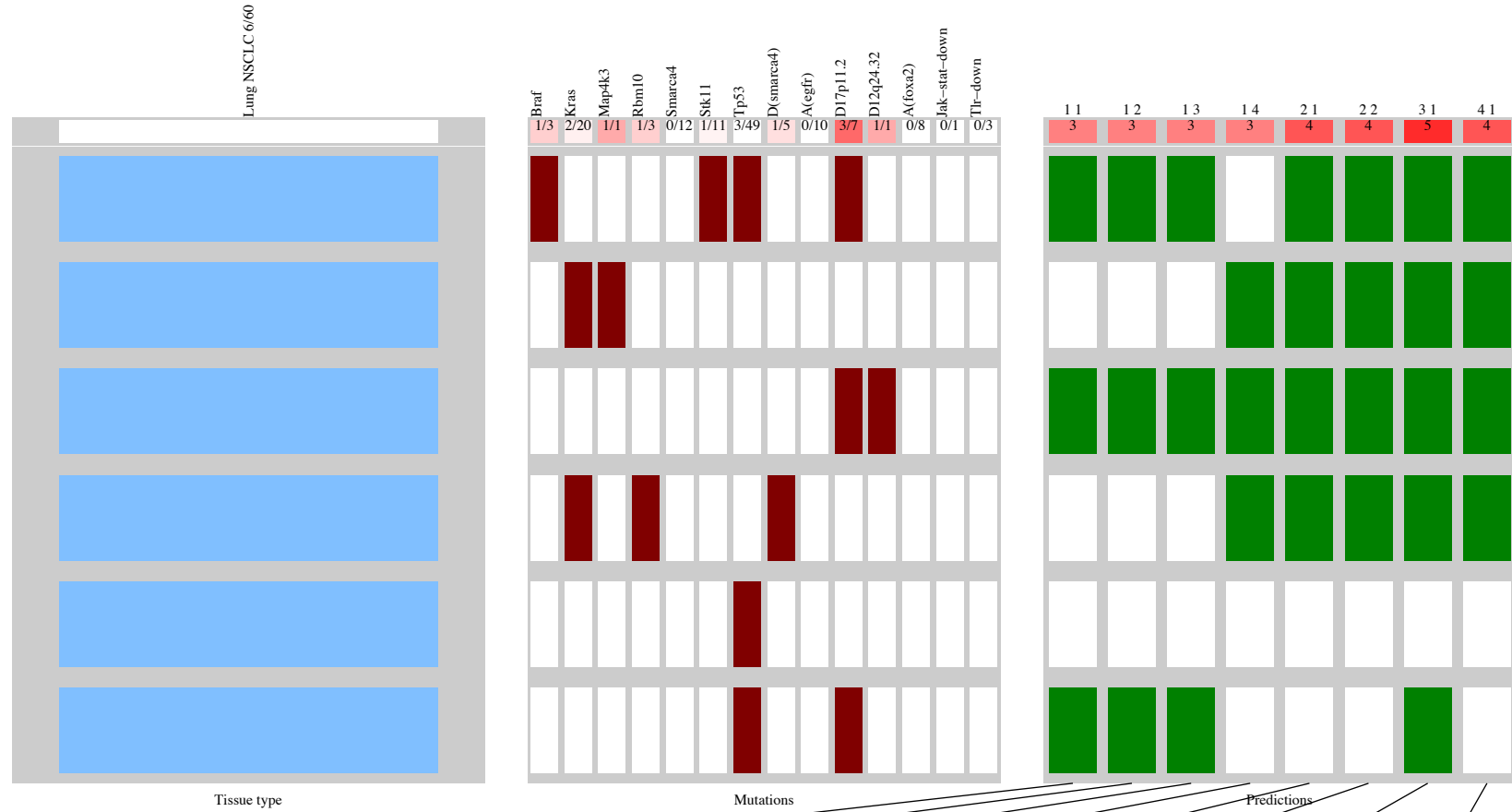
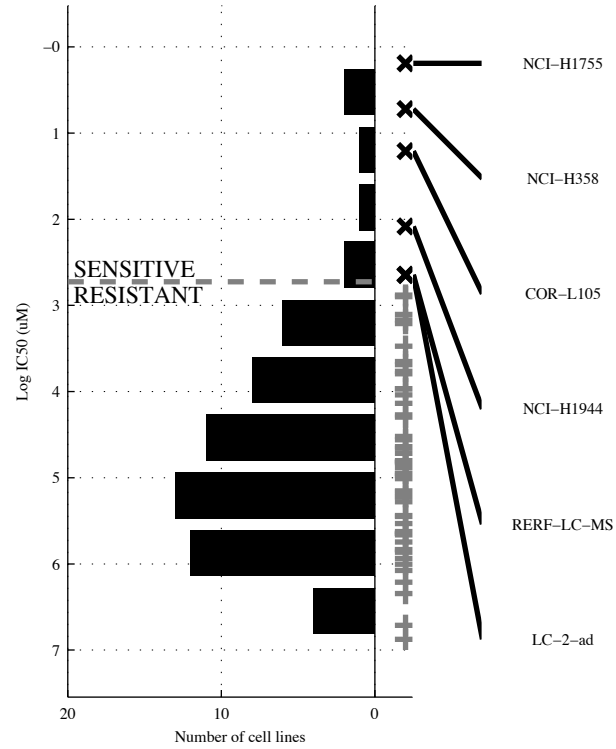


Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1		
K	M		M		M		M		M		M		M		M		
Logic formula	<b>a(TERT)</b>		<b>STK11 &amp; a(MYC)</b>		<b>¬SMARC &amp; STK11 &amp; ¬a(ARFG)</b>		<b>d(CDKN &amp; ¬d22q11 &amp; ¬a(MYC &amp; ¬d(FAT1)</b>		<b>BRAF   a(TERT)</b>		<b>[ ¬KRAS &amp; d17p11 ]   [ a(TERT &amp; a(KRAS)</b>		<b>BRAF   ¬TP53   a(ARFG)</b>		<b>BRAF   RBM10   a(TERT   d12q24</b>		
Specificity	4	7	3	4	3	3	5	9	5	9	6	6	6	9	7	10	
Precision	6	43	7	46	7	47	5	41	5	41	4	44	4	41	3	40	
Recall	0.86	0.36	0.92	0.43	0.94	0.5	0.82	0.36	0.82	0.36	0.88	0.5	0.82	0.4	0.6	0.8	0.41
	0.4	0.4	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7



LUAD  
 id: 304 name: SB52334  
 target: ALK5 class: RTK signaling

60 cell lines  
 6 sensitive

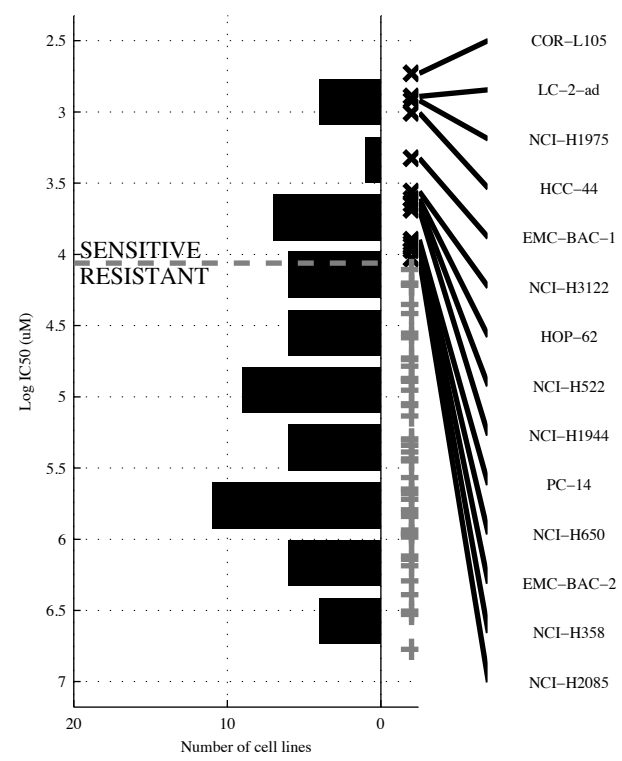
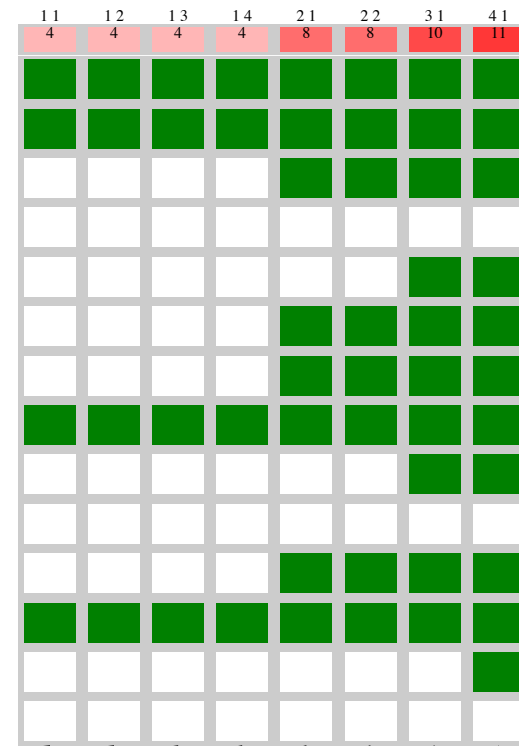
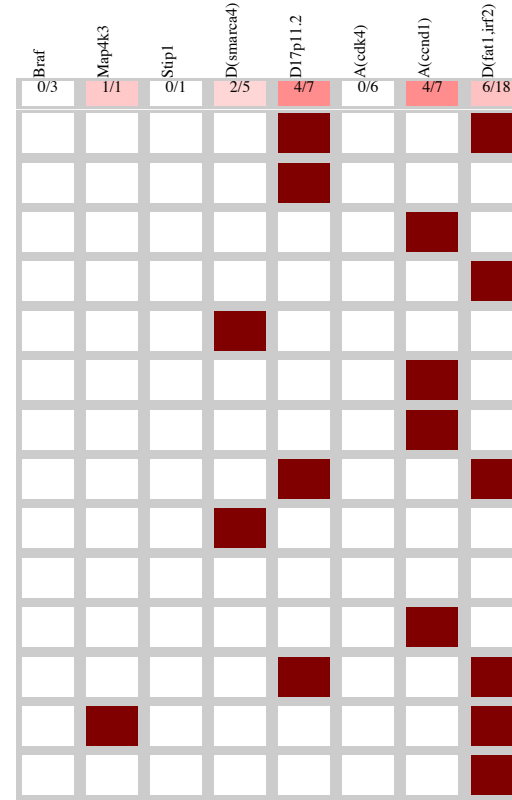
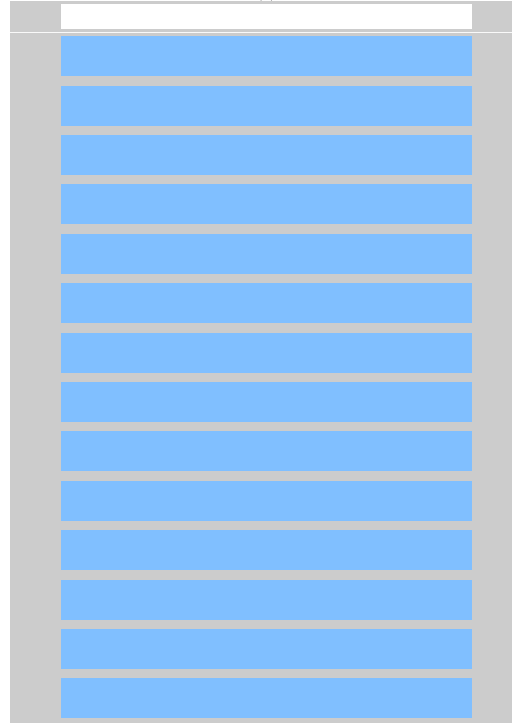


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d17p11</b>	<b>~SMARCA4 &amp; d17p11</b>	<b>~KRAS &amp; d17p11 &amp; ~TLR-DO</b>	<b>~STK11 &amp; ~TP53 &amp; ~a(EGFR) &amp; JAK-ST</b>	<b>BRAF   ~TP53</b>	<b>[ BRAF &amp; a(FOXA)   ~STK11 &amp; ~TP53 ]</b>	<b>MAP4K3   d(SMARCA4) &amp; d17p11</b>	<b>BRAF   MAP4K3   RBM10   d12q24</b>
TP   FP	3   4	3   2	3   0	3   1	4   8	4   4	5   7	4   4
Specificity	0.93	0.96	1	0.98	0.85	0.93	0.87	0.93
FN   TN	3   50	3   52	3   54	3   53	2   46	2   50	1   47	2   50
Precision	0.43	0.6	1	0.75	0.33	0.5	0.42	0.5
Recall	0.5	0.5	0.5	0.5	0.67	0.67	0.83	0.67

LUAD  
 id: 309 name: Y-39983  
 target: ROCK class: cytoskeleton

60 cell lines  
 14 sensitive

Lung NSCLC 14/60

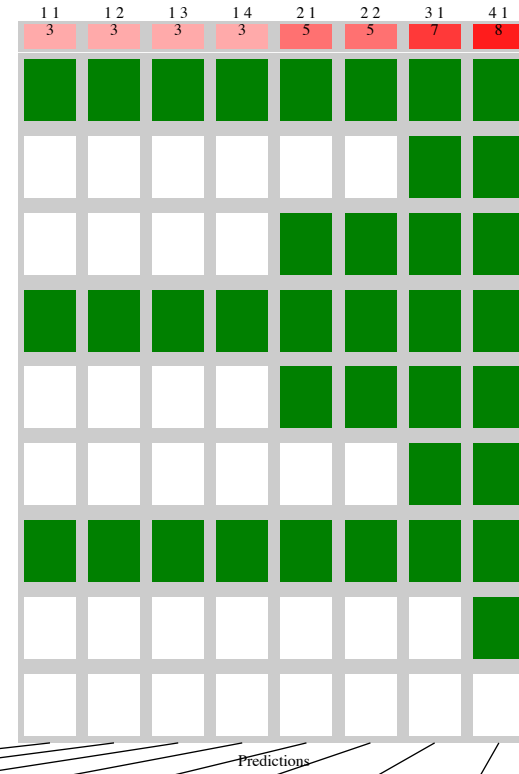
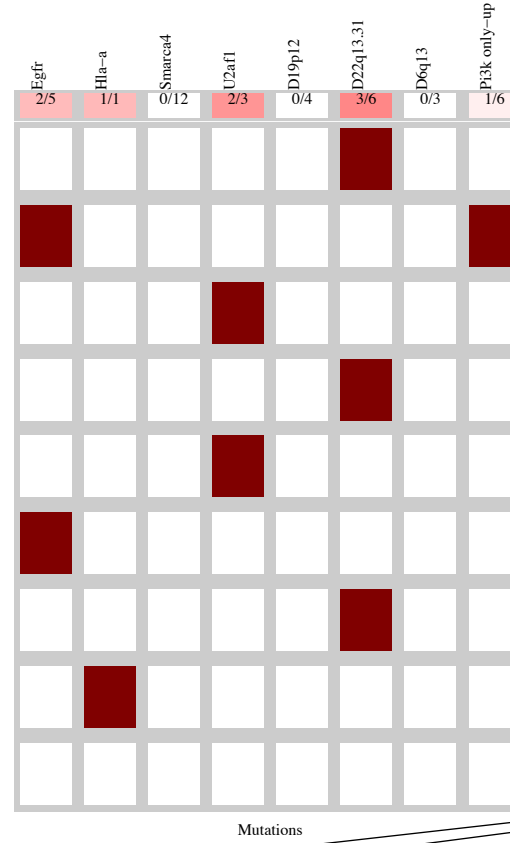
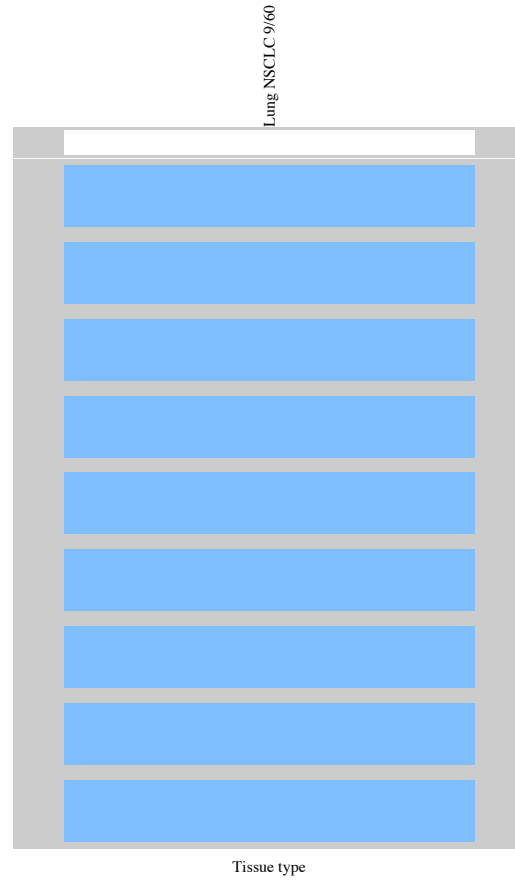
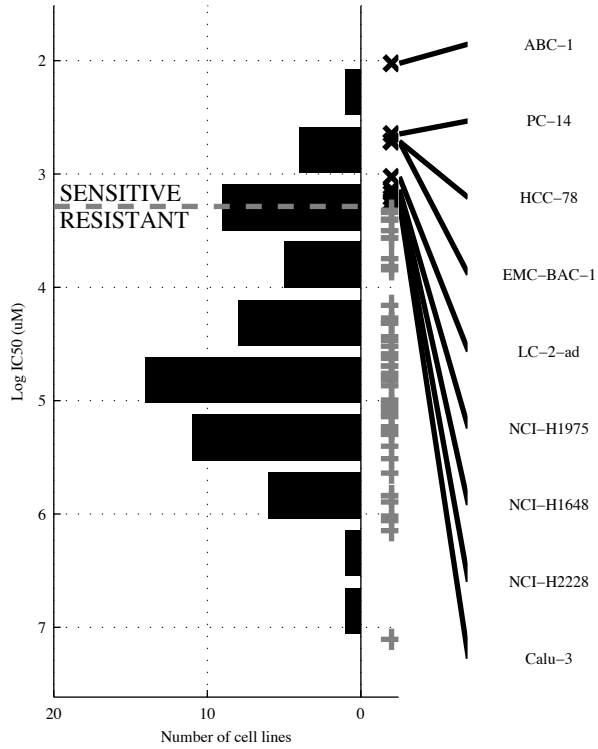


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d17p11</b>	<b>¬BRAF &amp; d17p11</b>	<b>¬BRAF &amp; ¬STIP1 &amp; d17p11</b>	<b>¬BRAF &amp; ¬STIP1 &amp; d17p11 &amp; a(CDK4)</b>	<b>d17p11   a(CCND)</b>	<b>[ a(CCND) &amp; ¬d(FAT1) ]   [ ¬BRAF &amp; d17p11 ]</b>	<b>d(SMAR1   d17p11   a(CCND)</b>	<b>MAP4K3   d(SMAR1   d17p11   a(CCND)</b>
TP   FP	4   3	4   2	4   1	4   0	8   6	8   4	10   8	11   8
Specificity	0.93	0.96	0.98	1	0.87	0.91	0.83	0.83
FN   TN	10   43	10   44	10   45	10   46	6   40	6   42	4   38	3   38
Precision	0.57	0.67	0.8	1	0.57	0.67	0.56	0.58
Recall	0.29	0.29	0.29	0.29	0.57	0.57	0.71	0.79



LUAD  
 id: 326 name: GSK690693  
 target: AKT class: PI3K signaling

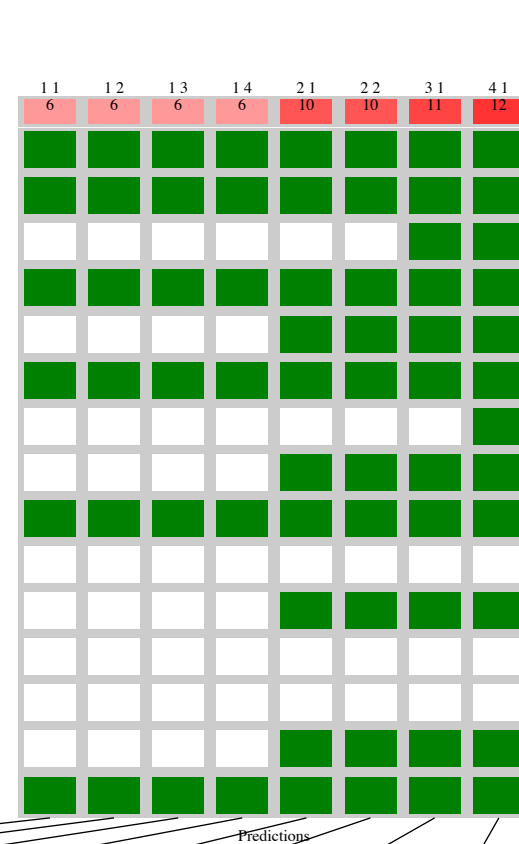
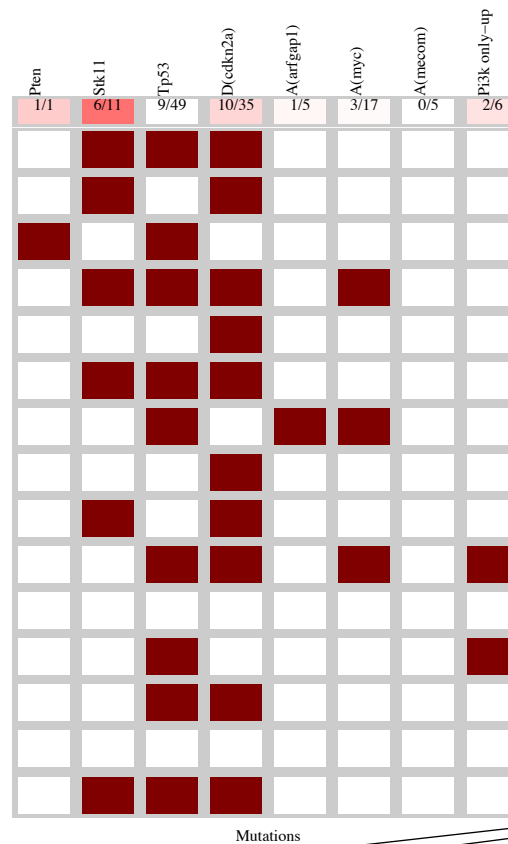
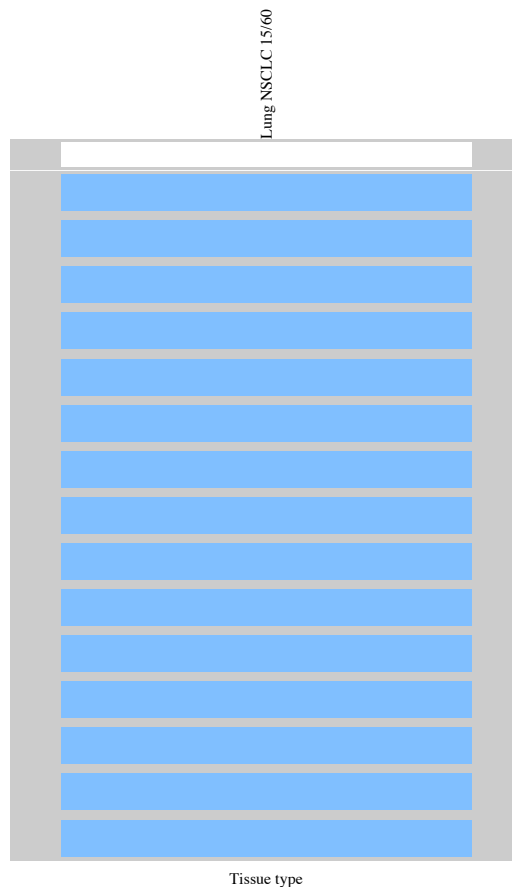
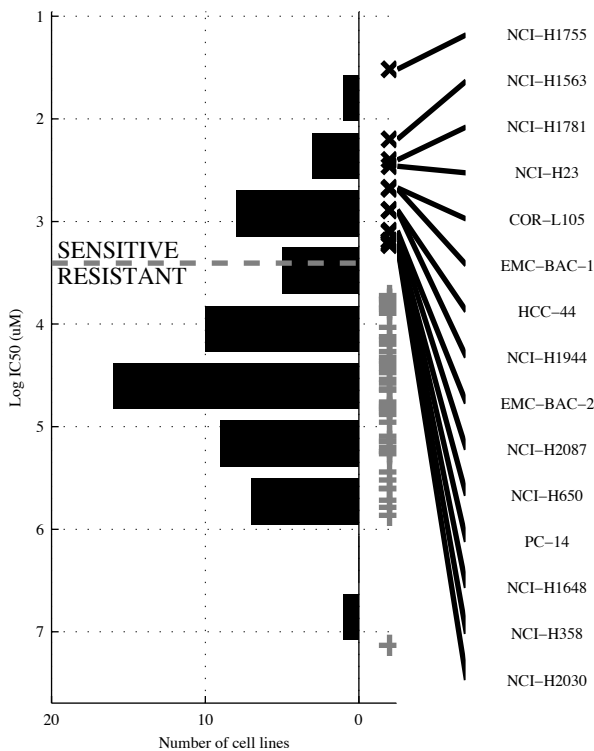
60 cell lines  
 9 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d22q13</b>	<b>d22q13 &amp; ¬PI3K o</b>	<b>¬SMARC &amp; d22q13 &amp; ¬d6q13</b>	<b>¬SMARC &amp; d22q13 &amp; ¬d6q13 &amp;</b>	<b>U2AF1   d22q13</b>	<b>[ U2AF1 &amp; ¬d19p12 ]   [ d22q13 &amp; ¬PI3K o ]</b>	<b>EGFR   U2AF1   d22q13</b>	<b>EGFR   HLA-A   U2AF1   d22q13</b>
TP   FP	3   3	3   1	3   0	3   0	5   4	5   1	7   7	8   7
Specificity	0.94	0.98	1	1	0.92	0.98	0.86	0.86
FN   TN	6   48	6   50	6   51	6   51	4   47	4   50	2   44	1   44
Precision	0.5	0.75	1	1	0.56	0.83	0.5	0.53
Recall	0.33	0.33	0.33	0.33	0.56	0.56	0.78	0.89

LUAD  
 id: 329 name: QL-XI-92  
 target: DDR1 class: RTK signaling

60 cell lines  
 15 sensitive

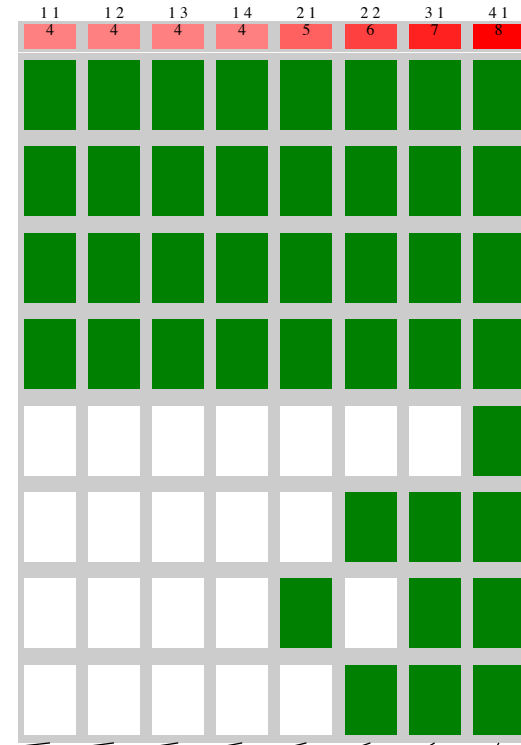
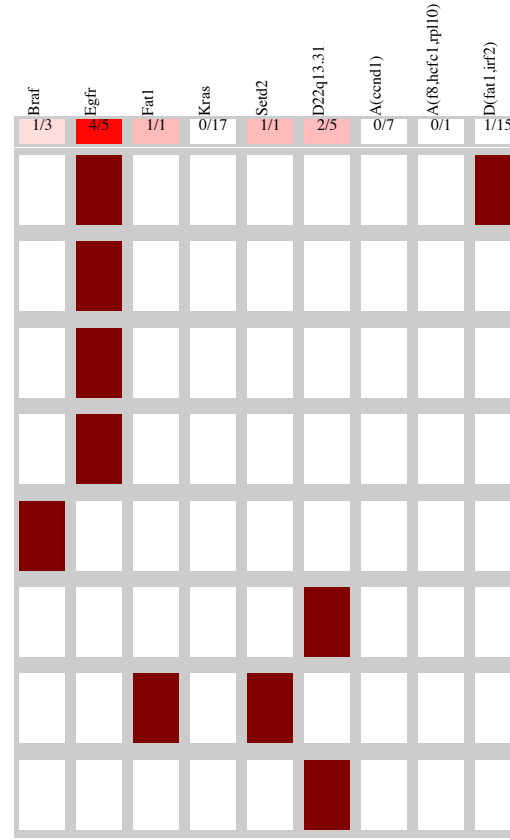
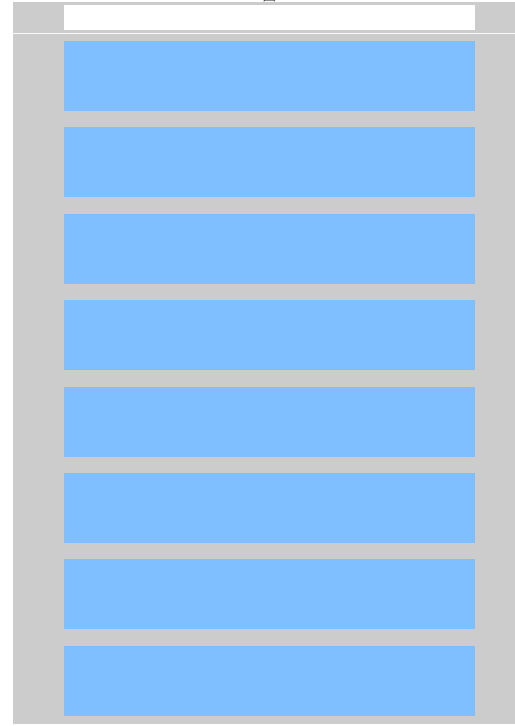
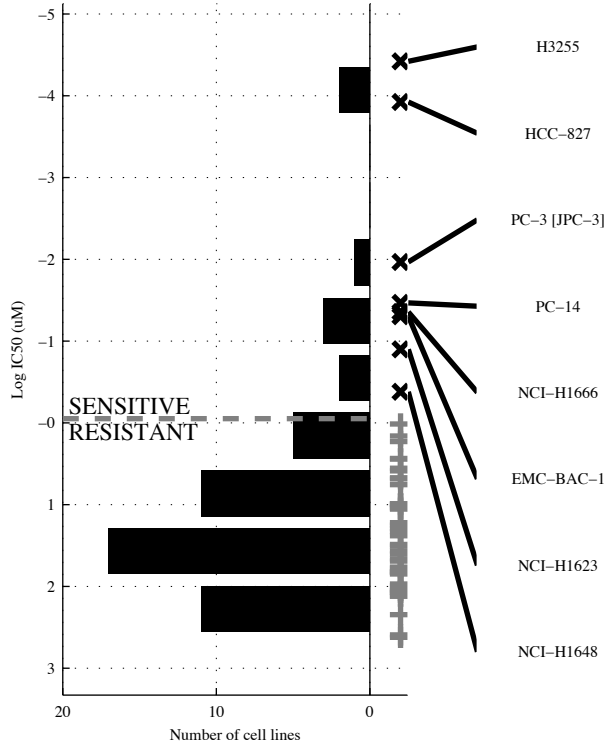


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>STK11</b>	<b>STK11 &amp; a(ARFG</b>	<b>STK11 &amp; a(ARFG &amp;</b>	<b>STK11 &amp; a(ARFG &amp;</b>	<b>STK11   -TP53</b>	<b>[ -TP53 &amp; a(MYC) ]</b>   <b>[ STK11 &amp; d(CDKN) ]</b>	<b>PTEN   STK11  </b>  <b>-TP53</b>	<b>PTEN   STK11  </b>  <b>-TP53   a(ARFG</b>
TP   FP	6   5	6   2	6   1	6   0	10   8	10   3	11   8	12   9
Specificity	0.89	0.96	0.98	1	0.82	0.93	0.82	0.8
FN   TN	9   40	9   43	9   44	9   45	5   37	5   42	4   37	3   36
Precision	0.55	0.75	0.86	1	0.56	0.77	0.58	0.57
Recall	0.4	0.4	0.4	0.4	0.67	0.67	0.73	0.8

LUAD  
 id: 1010 name: Gefitinib  
 target: EGFR class: EGFR signaling

52 cell lines  
 8 sensitive

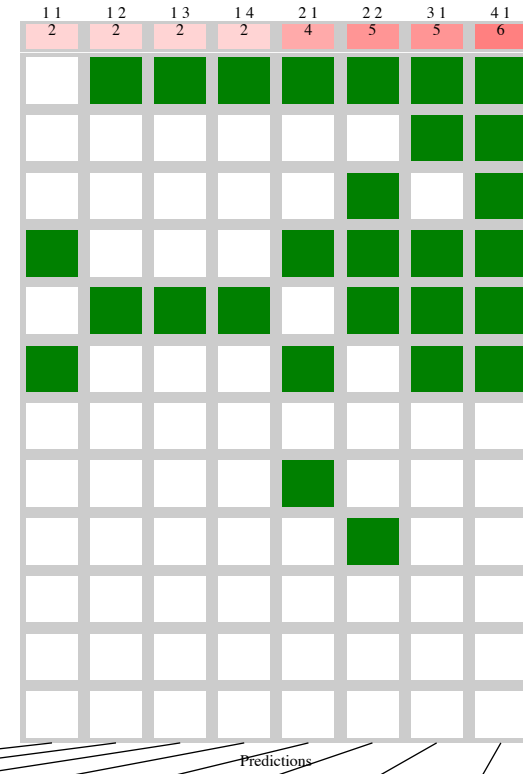
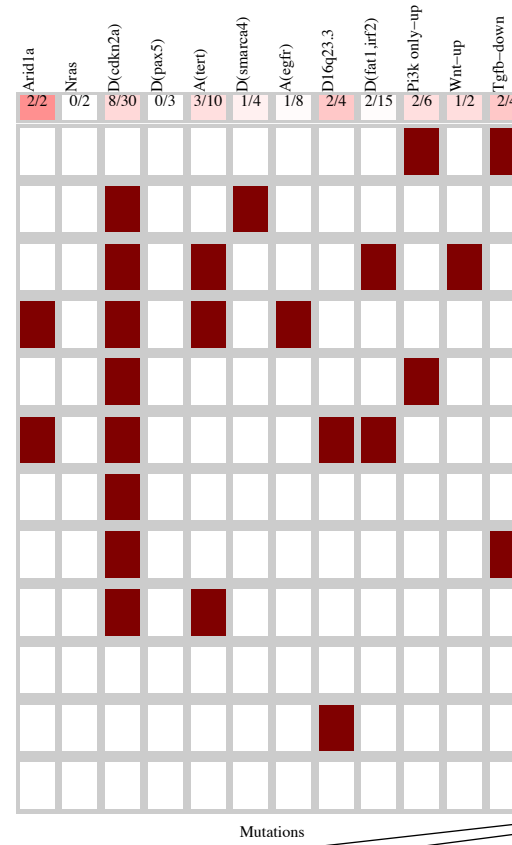
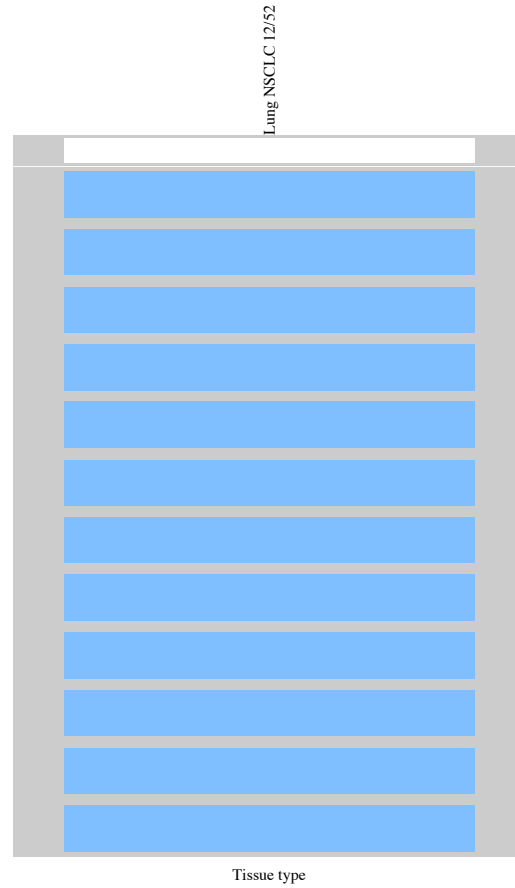
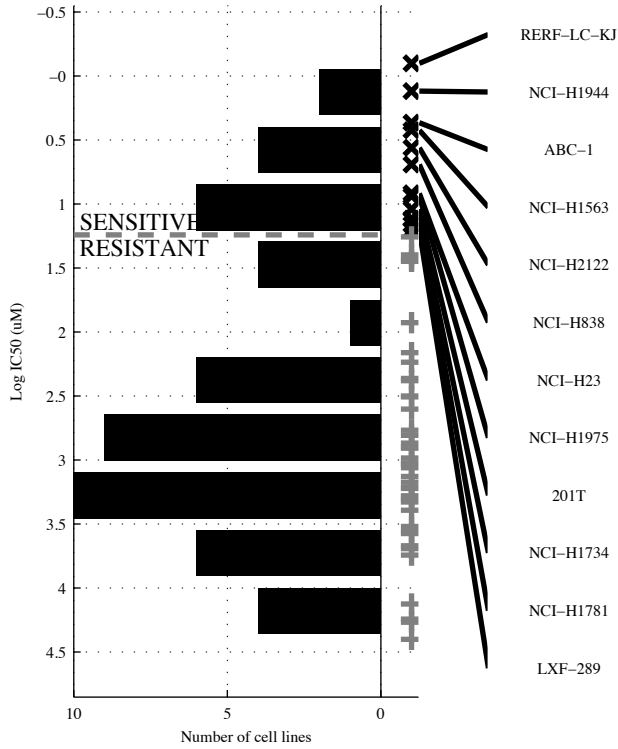
Lung NSCLC 8/52



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>EGFR</b>	<b>EGFR &amp;a(CCND</b>	<b>EGFR &amp;-KRAS&amp;</b> <b>-a(CCND</b>	<b>EGFR &amp;-KRAS&amp;</b> <b>-a(CCND&amp;-a(F8,H</b>	<b>EGFR   FAT1</b>	<b>[ d22q13&amp;-d(FAT1]</b> <b> </b> <b>[ EGFR &amp;a(CCND]</b>	<b>EGFR   SETD2  </b> <b>d22q13</b>	<b>BRAF   EGFR  </b> <b>SETD2   d22q13</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{4}{4} \mid \frac{1}{43}$ 0.98 0.8 0.5	$\frac{4}{4} \mid \frac{0}{44}$ 1 1 0.5	$\frac{4}{4} \mid \frac{0}{44}$ 1 1 0.5	$\frac{4}{4} \mid \frac{0}{44}$ 1 1 0.5	$\frac{5}{3} \mid \frac{1}{43}$ 0.98 0.83 0.63	$\frac{6}{2} \mid \frac{0}{44}$ 1 1 0.75	$\frac{7}{1} \mid \frac{4}{40}$ 0.91 0.64 0.88	$\frac{8}{0} \mid \frac{6}{38}$ 0.86 0.57 1

LUAD  
 id: 1023 name: GW 441756  
 target: NTRK1 class: RTK signaling

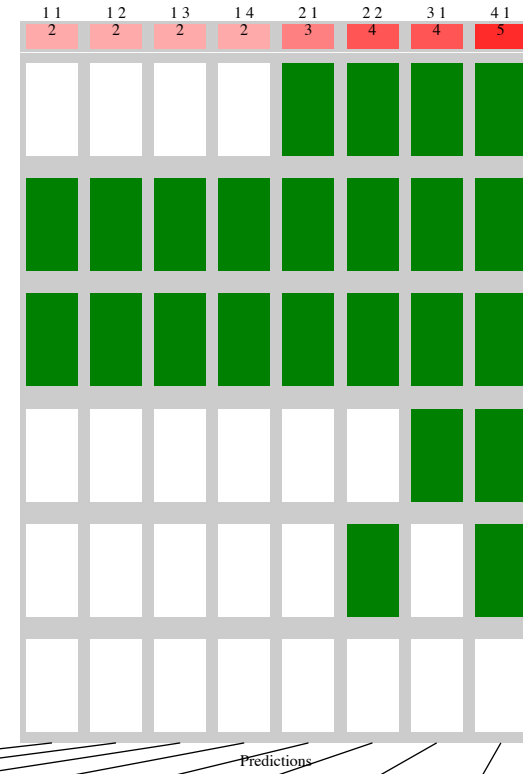
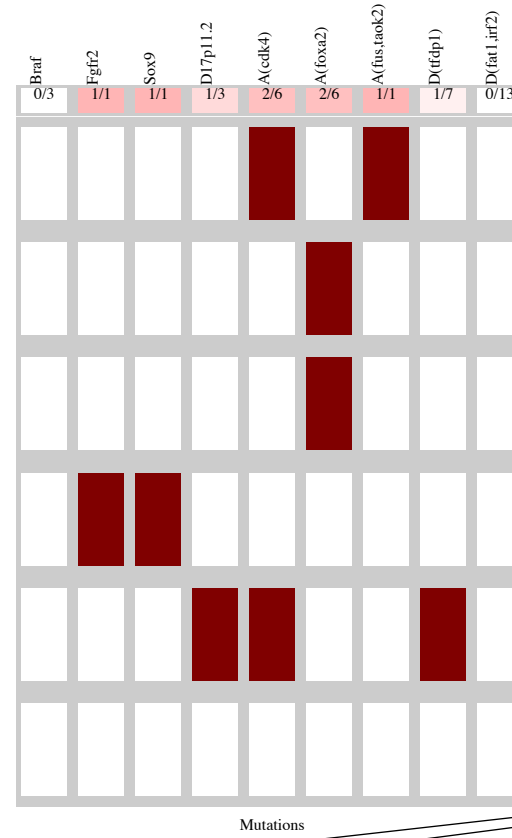
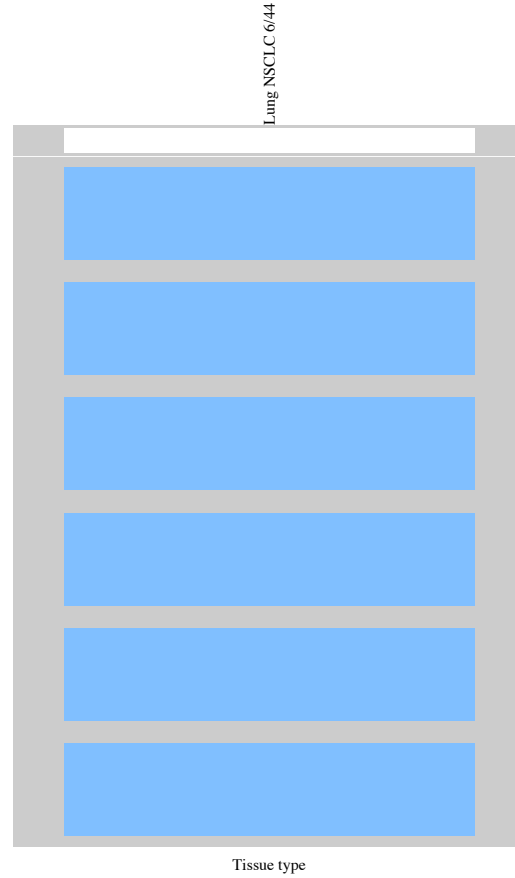
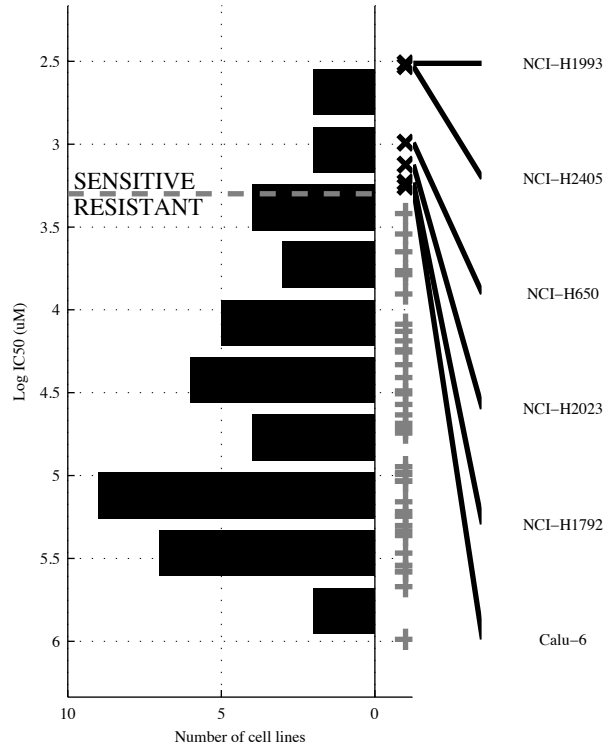
52 cell lines  
 12 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>ARID1A</b>		<b>¬d(FAT &amp; PI3K o</b>		<b>¬d(PAX &amp; a(EGFR &amp;</b>		<b>¬NRAS &amp; a(EGFR &amp;</b>		<b>ARID1A   TGFB-D</b>		<b>[¬d(FAT &amp; PI3K o ]</b>		<b>ARID1A   d(SMAR</b>		<b>ARID1A   d(SMAR</b>	
TP   FP Specificity	2   0	1	2   1	0.97	2   0	1	2   0	1	4   2	0.95	5   2	0.95	5   5	0.88	6   6	0.85
FN   TN Precision	10   40	1	10   39	0.67	10   40	1	10   40	1	8   38	0.67	7   38	0.71	7   35	0.5	6   34	0.5
Recall	0.17		0.17		0.17		0.17		0.33		0.42		0.42		0.5	

LUAD  
 id: 1025 name: SB 216763  
 target: GSK3A, GSK3B class: WNT signaling

44 cell lines  
 6 sensitive

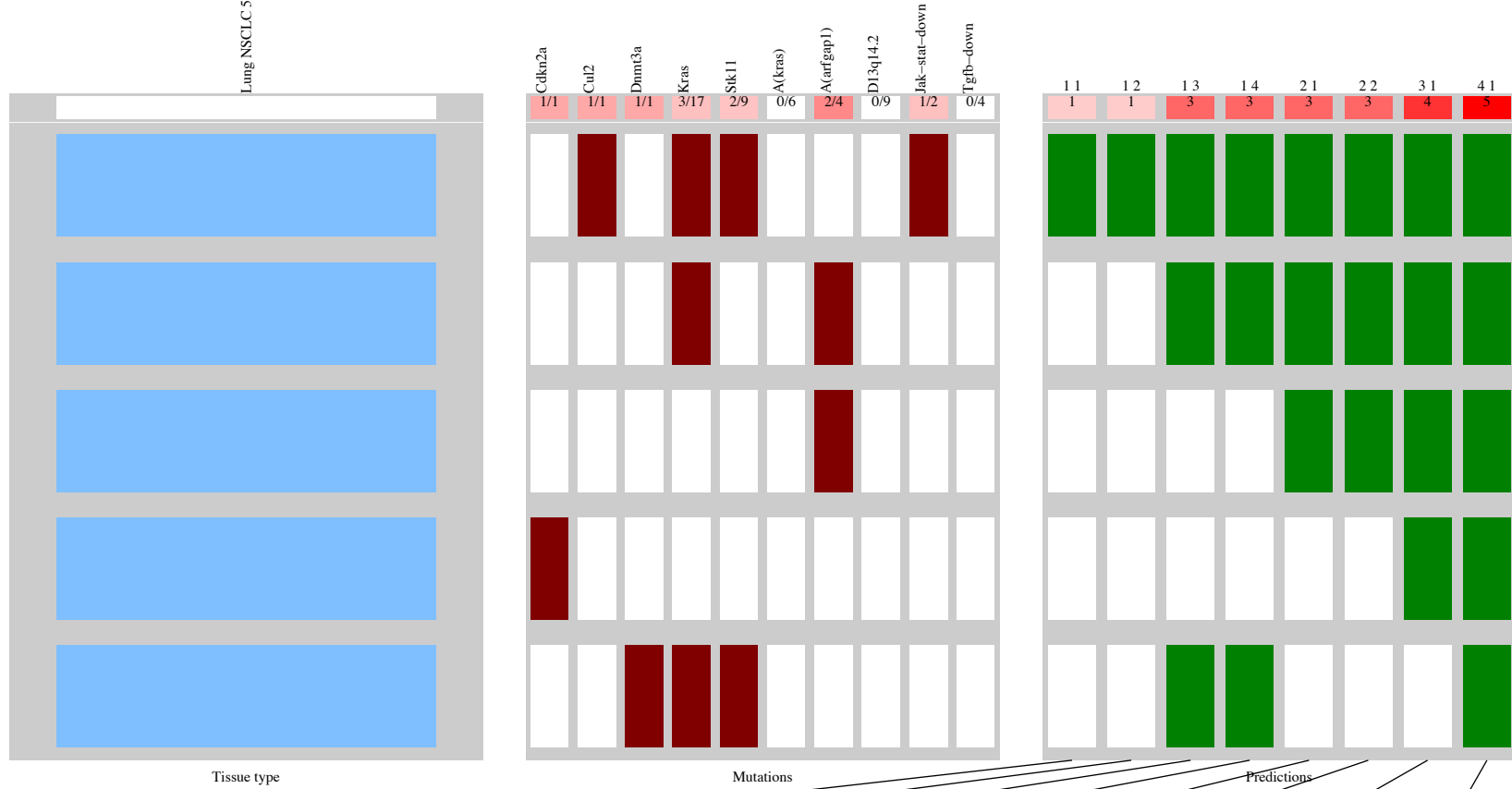
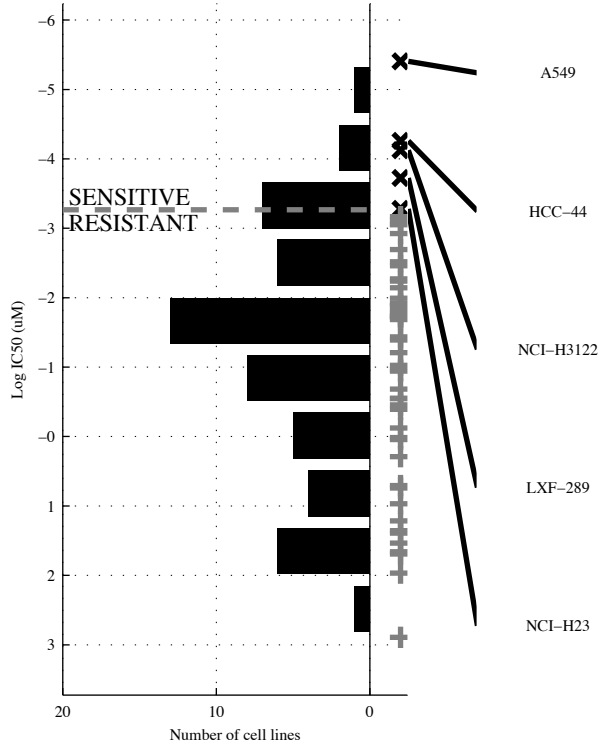


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a(FOXA)</b>	<b>a(FOXA) &amp; ~d(FAT1)</b>	<b>~BRAFA &amp; a(FOXA) &amp; ~d(FAT1)</b>	<b>~BRAFA &amp; a(FOXA) &amp; ~d(FAT) &amp;</b>	<b>a(FOXA)   a(FUS,</b>	<b>[ a(CDK4 &amp; ~d(FAT1)   [ a(FOXA &amp; ~d(TFDP]</b>	<b>FGFR2   a(FOXA)   a(FUS,</b>	<b>SOX9   d17p11   a(FOXA)   a(FUS,</b>
TP   FP	2   4	2   2	2   0	2   0	3   4	4   4	4   4	5   6
Specificity	0.89	0.95	1	1	0.89	0.89	0.89	0.84
FN   TN	4   34	4   36	4   38	4   38	3   34	2   34	2   34	1   32
Precision	0.33	0.5	1	1	0.43	0.5	0.5	0.45
Recall	0.33	0.33	0.33	0.33	0.5	0.67	0.67	0.83

LUAD  
 id: 1026 name: 17-AAG  
 target: HSP90 class: other

53 cell lines  
 5 sensitive

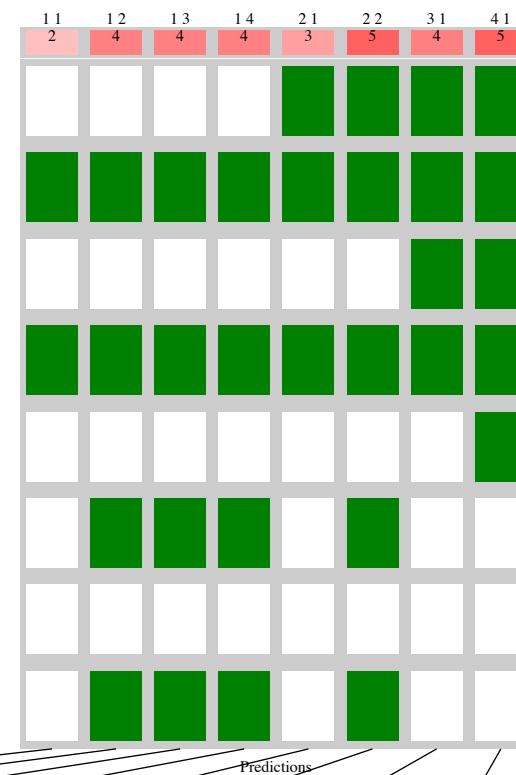
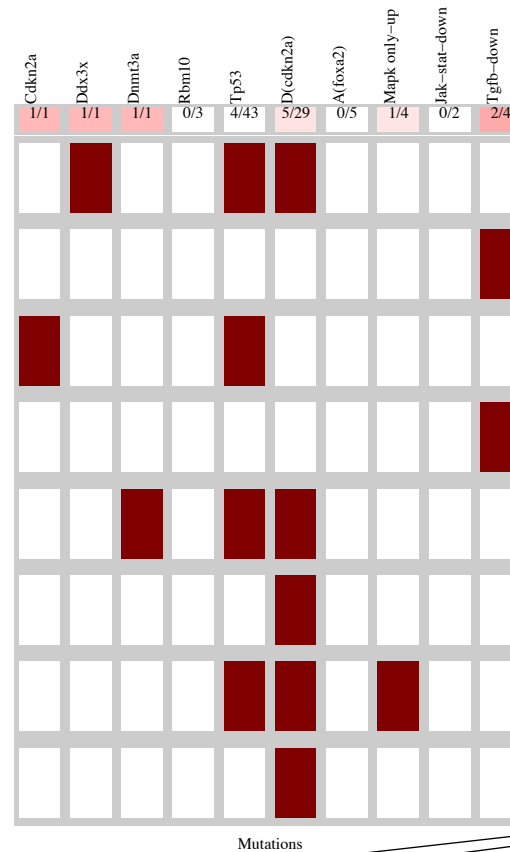
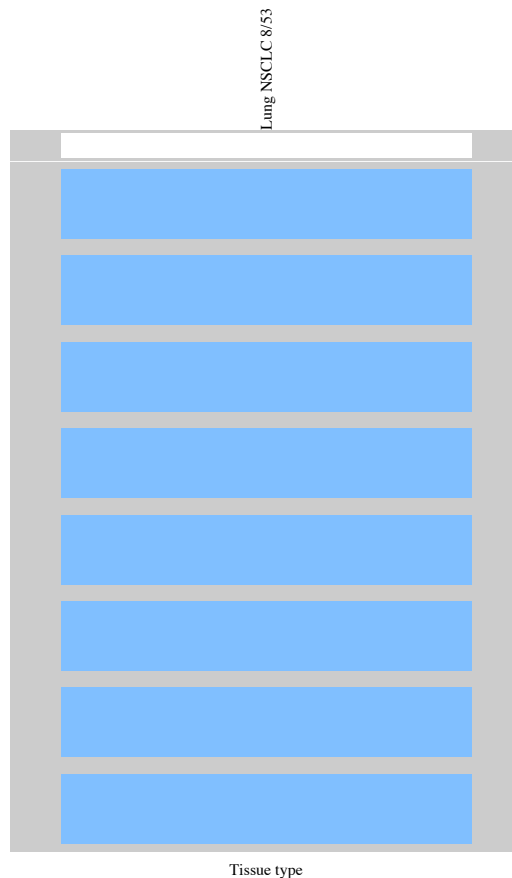
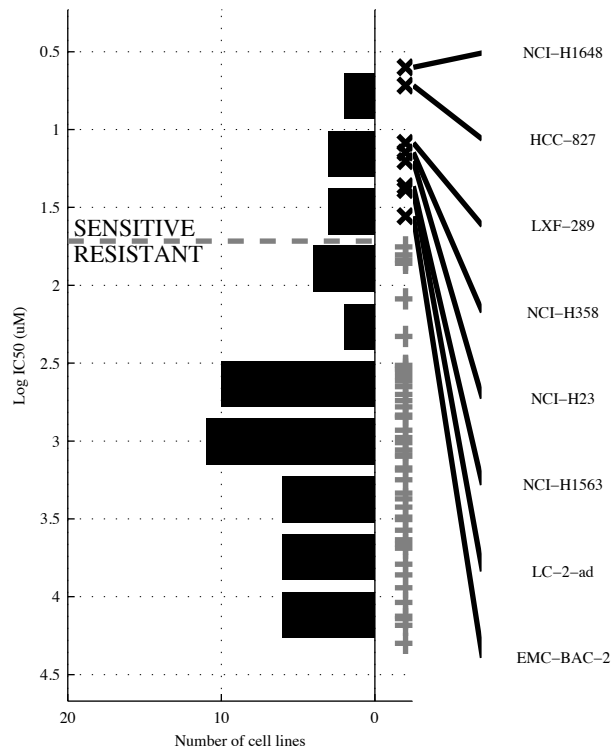
Lung NSCLC: 5/53



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>CUL2</b>		<b>CUL2 &amp;</b>		<b>KRAS &amp; a(KRAS)</b>		<b>KRAS &amp; a(KRAS)</b>		<b>CUL2   a(ARFG)</b>		<b>[ -STK11 &amp; a(ARFG) ]</b>		<b>CDKN2A   CUL2  </b>		<b>CDKN2A   CUL2  </b>	
					<b>-d13q14</b>		<b>-d13q14 &amp; TGFB-D</b>				<b>[ STK11 &amp; JAK-ST ]</b>		<b>a(ARFG)</b>		<b>DNMT3A   a(ARFG)</b>	
TP   FP	1	0	1	0	3	6	3	5	3	2	3	0	4	2	5	2
FN   TN	4	48	4	48	2	42	2	43	2	46	2	48	1	46	0	46
Specificity		1		1	0.88		0.9		0.96		1		0.96		0.96	
Precision		1		1	0.33		0.38		0.6		1		0.67		0.71	
Recall		0.2		0.2	0.6		0.6		0.6		0.6		0.8		1	

LUAD  
 id: 1029 name: AMG-706  
 target: VEGFR, RET, c-KIT, PDGFR class: RTK signaling

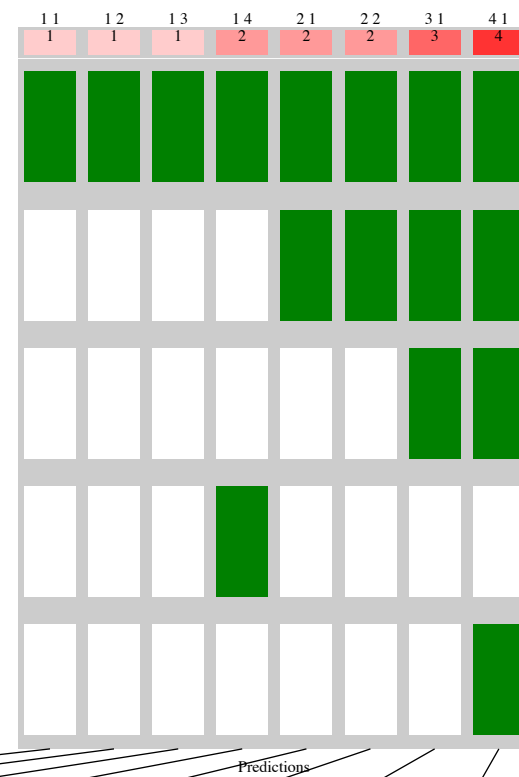
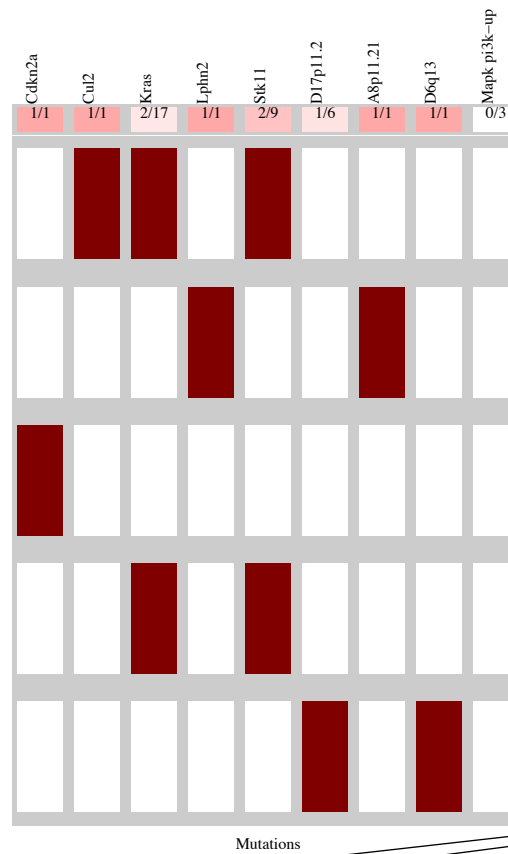
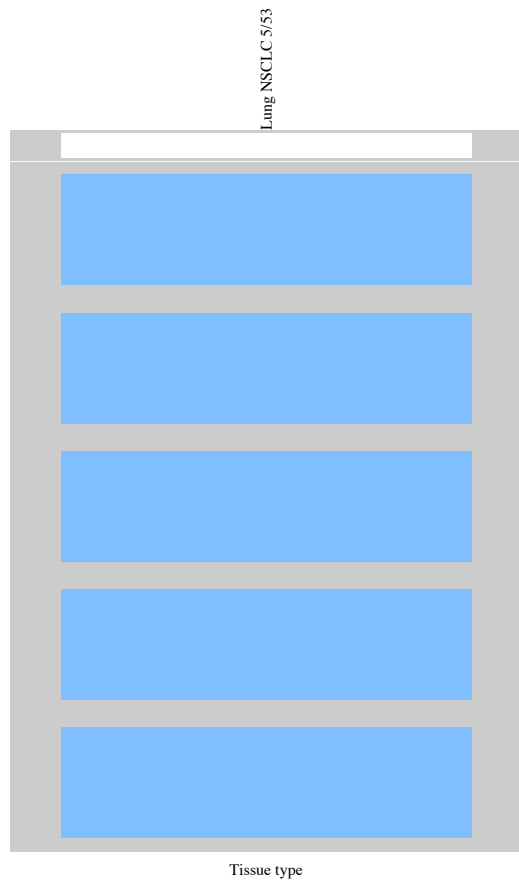
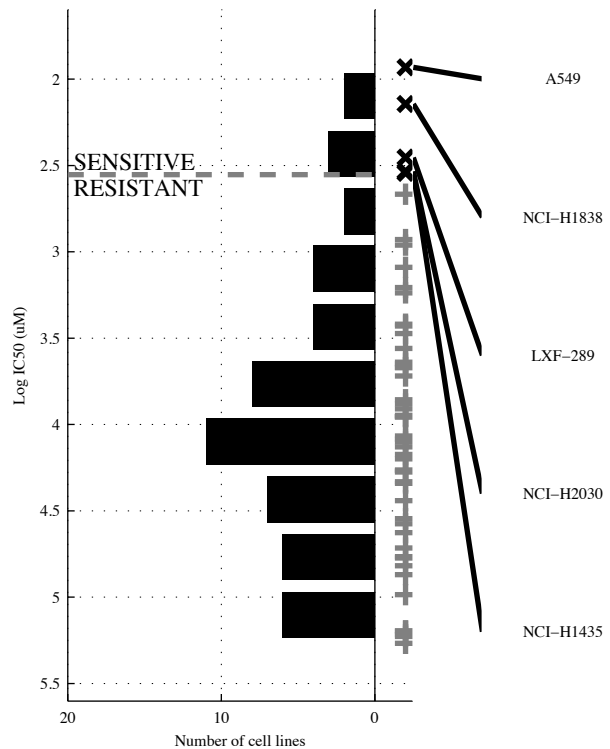
53 cell lines  
 8 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>TGFB-D</b>	<b>-TP53 &amp; MAPK o</b>	<b>-TP53 &amp; MAPK &amp; -JAK-ST</b>	<b>-RBM10 &amp; -TP53 &amp; -a(FOXA2) &amp; JAK-ST</b>	<b>DDX3X   TGFB-D</b>	<b>[ -TP53 &amp; MAPK q   [ DDX3X &amp; d(CDKN]</b>	<b>CDKN2A   DDX3X   TGFB-D</b>	<b>CDKN2A   DDX3X   DNMT3A   TGFB-D</b>
TP   FP Specificity	2   2 0.96	4   4 0.91	4   2 0.96	4   0 1	3   2 0.96	5   4 0.91	4   2 0.96	5   2 0.96
FN   TN Precision	6   43 0.5	4   41 0.5	4   43 0.67	4   45 1	5   43 0.6	3   41 0.56	4   43 0.67	3   43 0.71
Recall	0.25	0.5	0.5	0.5	0.38	0.63	0.5	0.63

LUAD  
 id: 1030 name: KU-55933  
 target: ATM class: Genome integrity

53 cell lines  
 5 sensitive



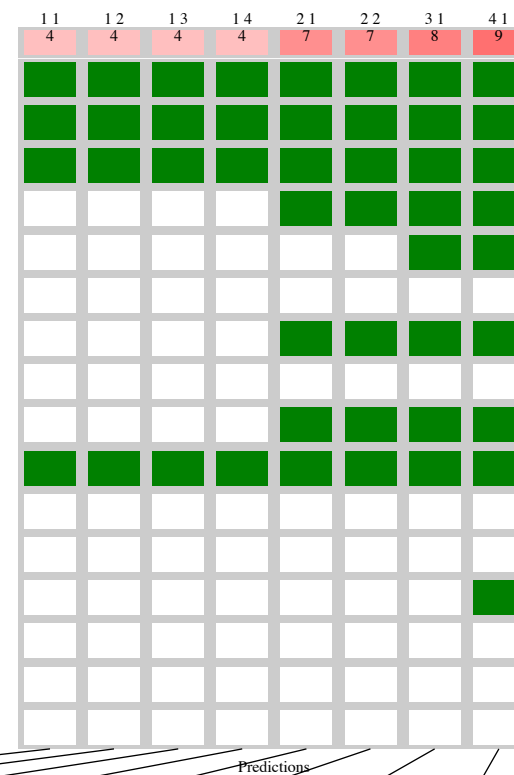
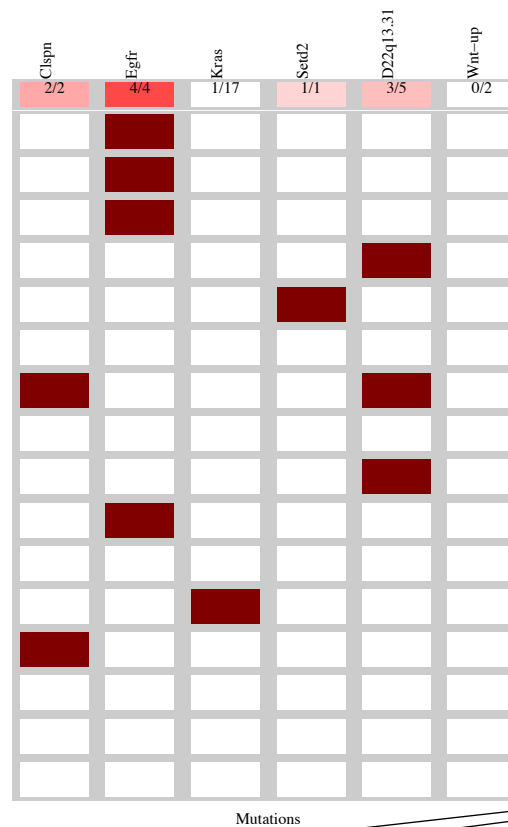
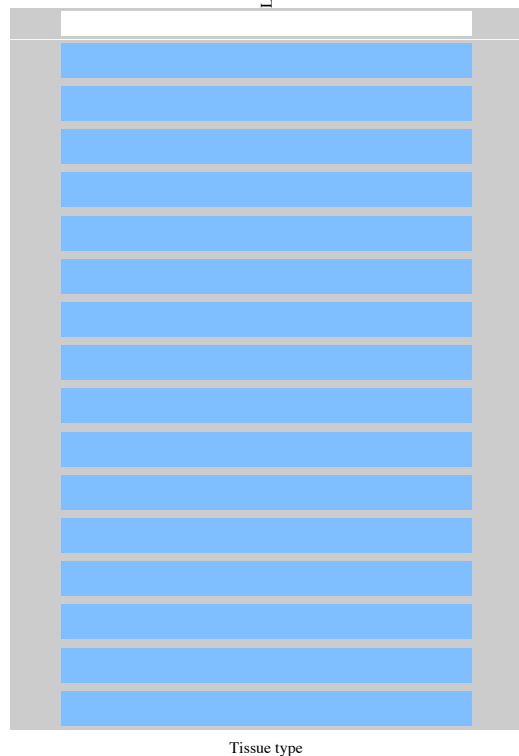
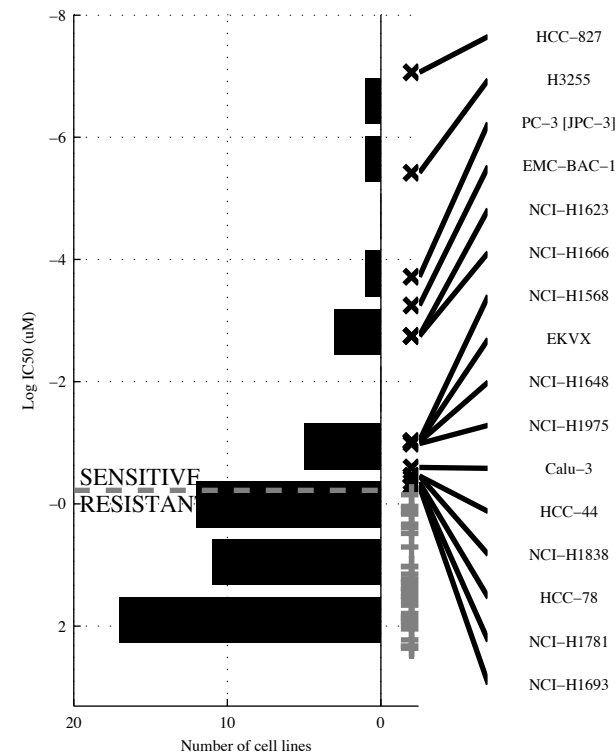
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>CUL2</b>	<b>CUL2 &amp;</b>	<b>CUL2 &amp; &amp;</b>	<b>KRAS &amp; STK11 &amp; &amp; d17p11 &amp; MAPK P</b>	<b>CUL2   LPHN2</b>	<b>[ a8p11. &amp;     [ CUL2 &amp; ]</b>	<b>CDKN2A   CUL2   LPHN2</b>	<b>CDKN2A   CUL2   a8p11.   d6q13</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{4} \mid \frac{0}{48} \quad 1$ $\frac{1}{48} \mid 1 \quad 0.2$	$\frac{1}{4} \mid \frac{0}{48} \quad 1$ $\frac{1}{48} \mid 1 \quad 0.2$	$\frac{1}{4} \mid \frac{0}{48} \quad 1$ $\frac{1}{48} \mid 1 \quad 0.2$	$\frac{2}{3} \mid \frac{0}{48} \quad 1$ $\frac{2}{48} \mid 1 \quad 0.4$	$\frac{2}{3} \mid \frac{0}{48} \quad 1$ $\frac{2}{48} \mid 1 \quad 0.4$	$\frac{2}{3} \mid \frac{0}{48} \quad 1$ $\frac{2}{48} \mid 1 \quad 0.4$	$\frac{3}{2} \mid \frac{0}{48} \quad 1$ $\frac{3}{48} \mid 1 \quad 0.6$	$\frac{4}{1} \mid \frac{0}{48} \quad 1$ $\frac{4}{48} \mid 1 \quad 0.8$



LUAD  
 id: 1032 name: Afatinib  
 target: ERBB2, EGFR class: EGFR signaling

51 cell lines  
 16 sensitive

Lung NSCLC 16/51

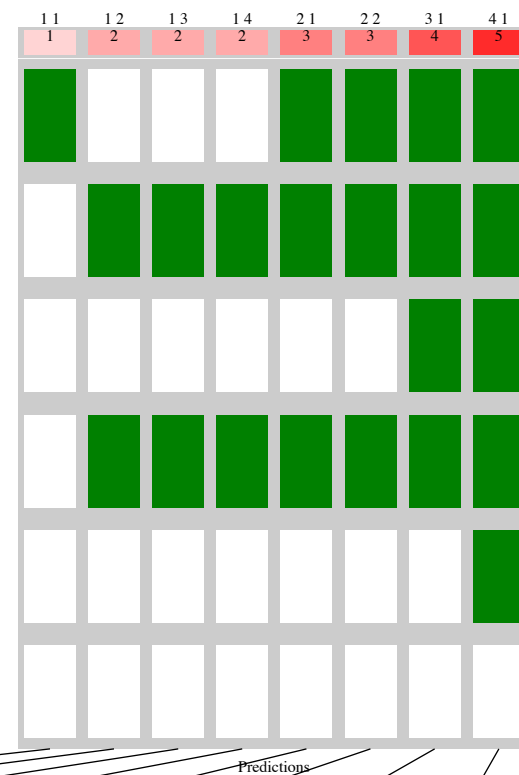
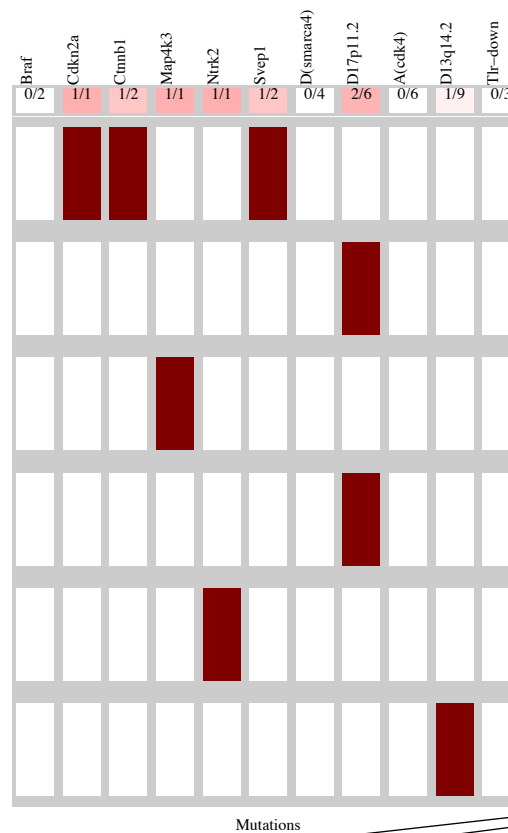
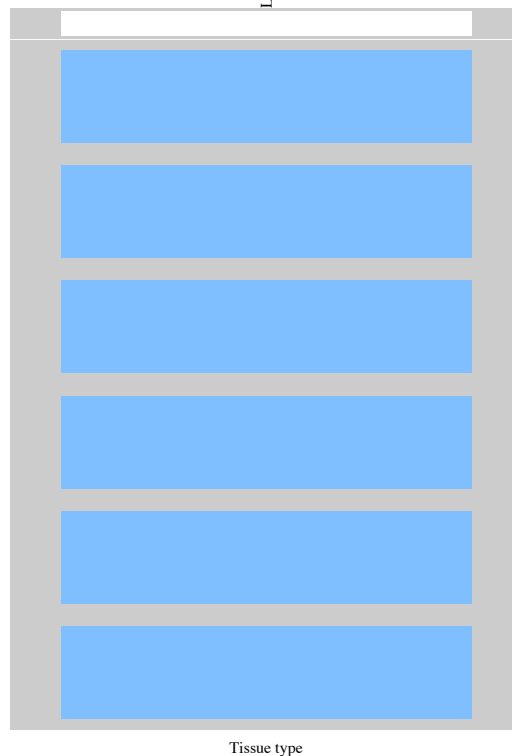
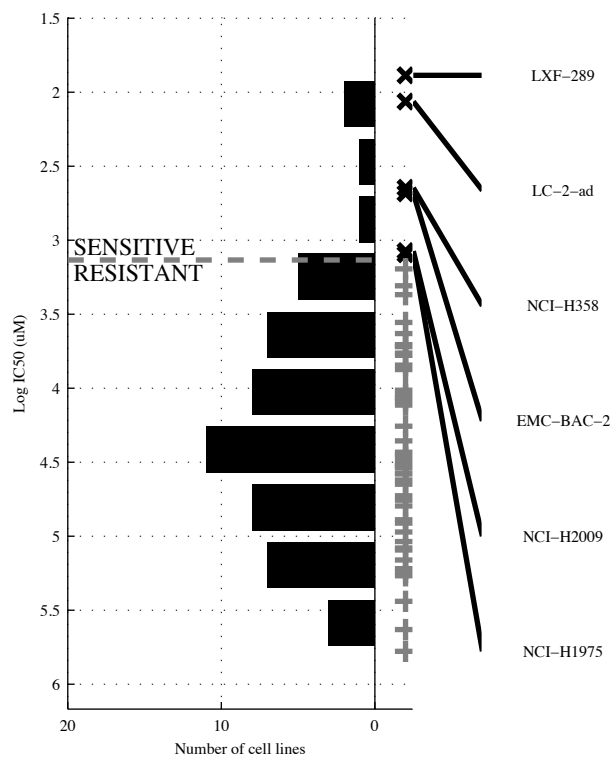


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>EGFR</b>	<b>EGFR &amp;</b>	<b>EGFR &amp; &amp;</b>	<b>EGFR &amp; &amp;</b>	<b>EGFR   d22q13</b>	<b>[ EGFR &amp; ~KRAS ]   [ d22q13 &amp; Wnt-UH ]</b>	<b>EGFR   SETD2   d22q13</b>	<b>CLSPN   EGFR   SETD2   d22q13</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{4}{12} \mid \frac{0}{35}$ 1 0.25	$\frac{4}{12} \mid \frac{0}{35}$ 1 0.25	$\frac{4}{12} \mid \frac{0}{35}$ 1 0.25	$\frac{4}{12} \mid \frac{0}{35}$ 1 0.25	$\frac{7}{9} \mid \frac{2}{33}$ 0.94 0.78 0.44	$\frac{7}{9} \mid \frac{1}{34}$ 0.97 0.88 0.44	$\frac{8}{8} \mid \frac{2}{33}$ 0.94 0.8 0.5	$\frac{9}{7} \mid \frac{2}{33}$ 0.94 0.82 0.56

LUAD  
 id: 1042 name: BIRB 0796  
 target: p38, JNK2 class: JNK and p38 signaling

53 cell lines  
 6 sensitive

Lung NSCLC 6/53

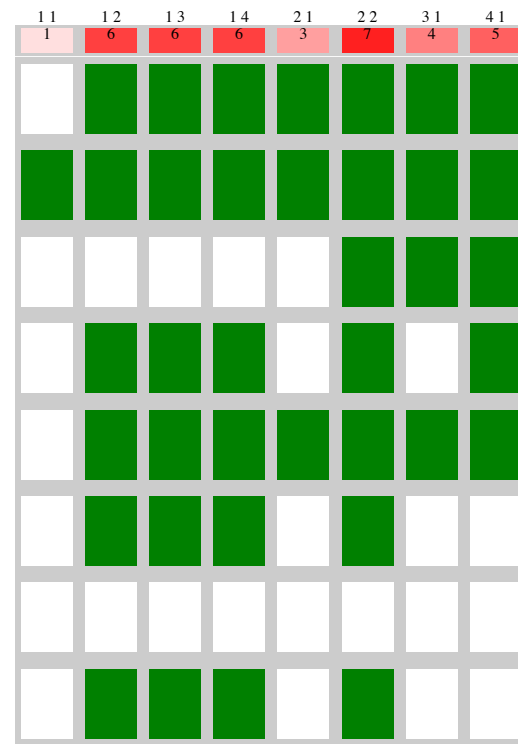
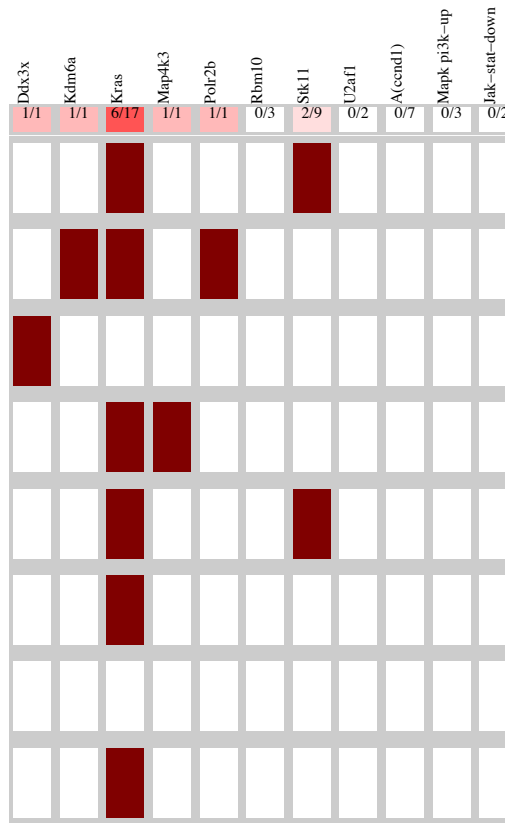
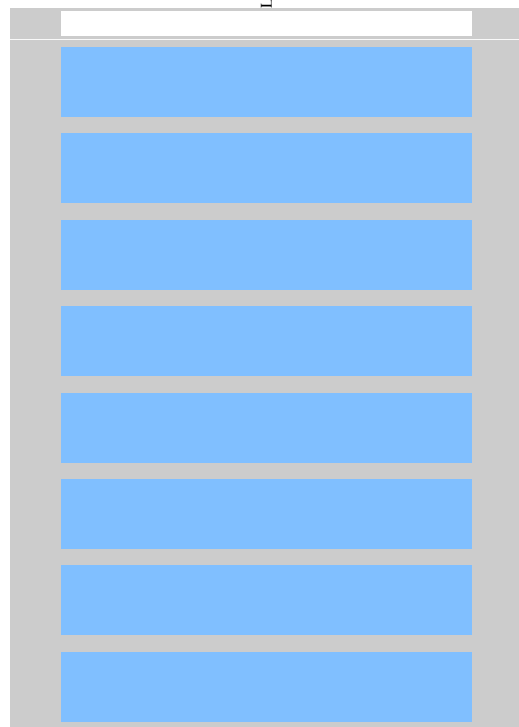
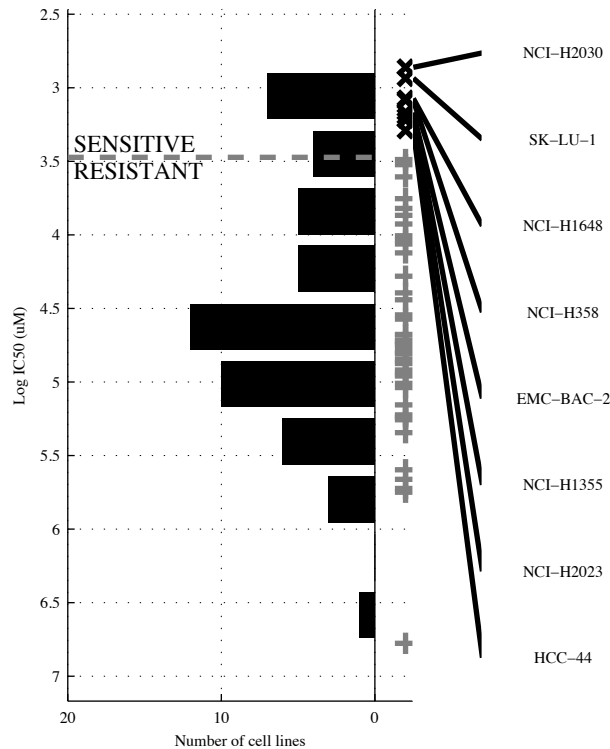


Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>CDKN2A</b>		<b>d17p11 &amp; TLR-DO</b>		<b>-d(SMA &amp; d17p11 &amp; -d13q14</b>		<b>-BRAF &amp; d17p11 &amp; -a(CDK &amp; TLR-DO</b>		<b>CDKN2A   d17p11</b>		<b>[CTNNB &amp; SVEP1 ]   [ d17p11 &amp; TLR-DO</b>		<b>CDKN2A   MAP4K3   d17p11</b>		<b>CDKN2A   MAP4K3   NTRK2   d17p11</b>	
TP   FP Specificity	1   0	1	2   2	0.96	2   1	0.98	2   0	1	3   4	0.91	3   2	0.96	4   4	0.91	5   4	0.91
FN   TN Precision	5   47	1	4   45	0.5	4   46	0.67	4   47	1	3   43	0.43	3   45	0.6	2   43	0.5	1   43	0.56
Recall		0.17		0.33		0.33		0.33		0.5		0.5		0.67		0.83

LUAD  
 id: 1043 name: JNK Inhibitor VIII  
 target: JNK class: JNK and p38 signaling

53 cell lines  
 8 sensitive

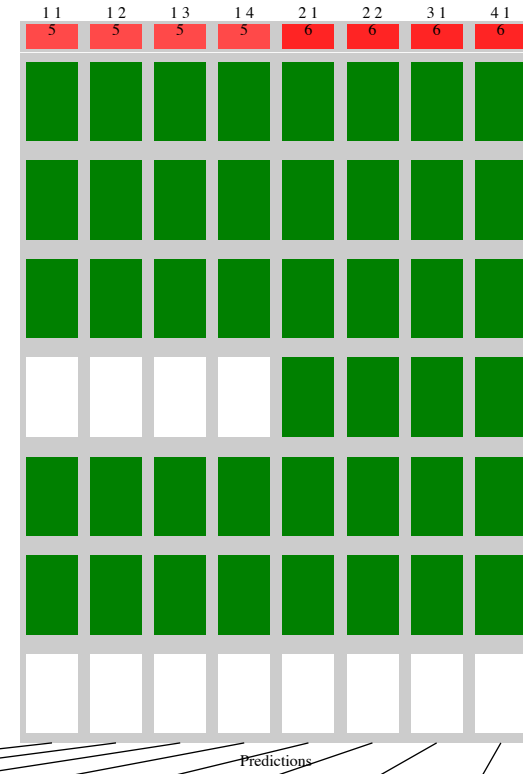
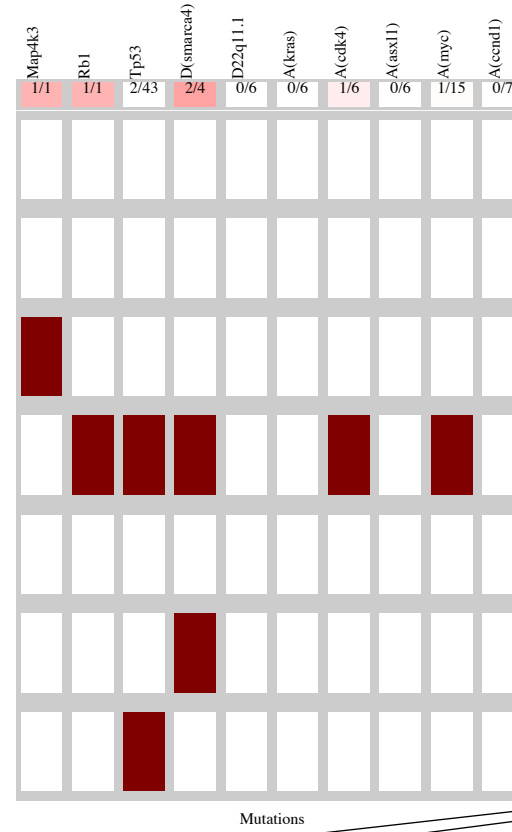
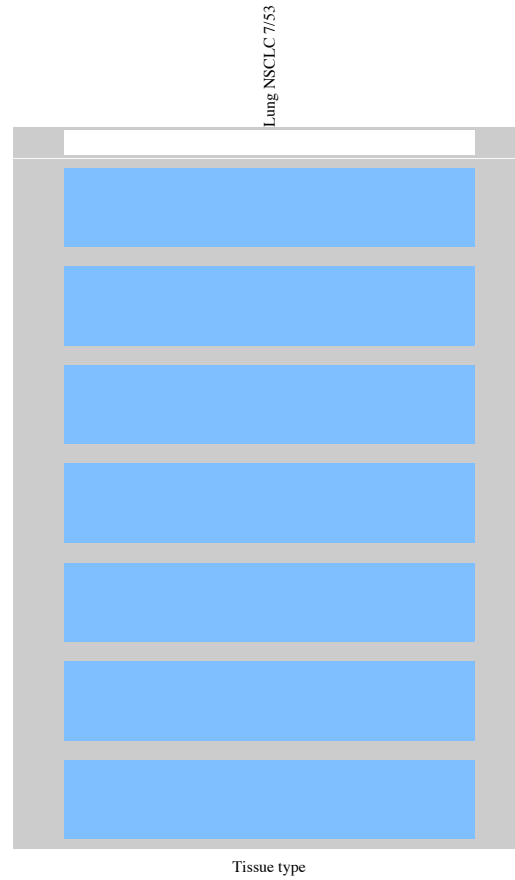
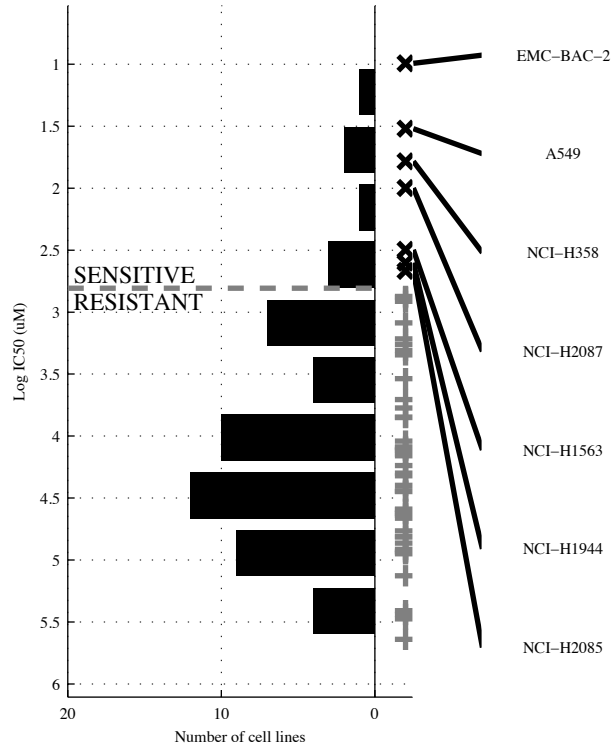
Lung NSCLC 8/53



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>POLR2B</b>	<b>KRAS &amp; MAPK P</b>	<b>KRAS &amp; MAPK &amp; -JAK-ST</b>	<b>KRAS &amp; RBM10 &amp; -a(CCNE1) &amp; JAK-ST</b>	<b>POLR2B   STK11</b>	<b>[ DDX3X &amp; -U2AF1 ]   [ KRAS &amp; MAPK P ]</b>	<b>DDX3X   KDM6A   STK11</b>	<b>DDX3X   KDM6A   MAP4K3   STK11</b>
TP   FP	1   0	6   8	6   6	6   3	3   7	7   8	4   7	5   7
Specificity	1	0.82	0.87	0.93	0.84	0.82	0.84	0.84
FN   TN	7   45	2   37	2   39	2   42	5   38	1   37	4   38	3   38
Precision	1	0.43	0.5	0.67	0.3	0.47	0.36	0.42
Recall	0.13	0.75	0.75	0.75	0.38	0.88	0.5	0.63

LUAD  
 id: 1047 name: Nutlin-3a  
 target: MDM2 class: p53 pathway

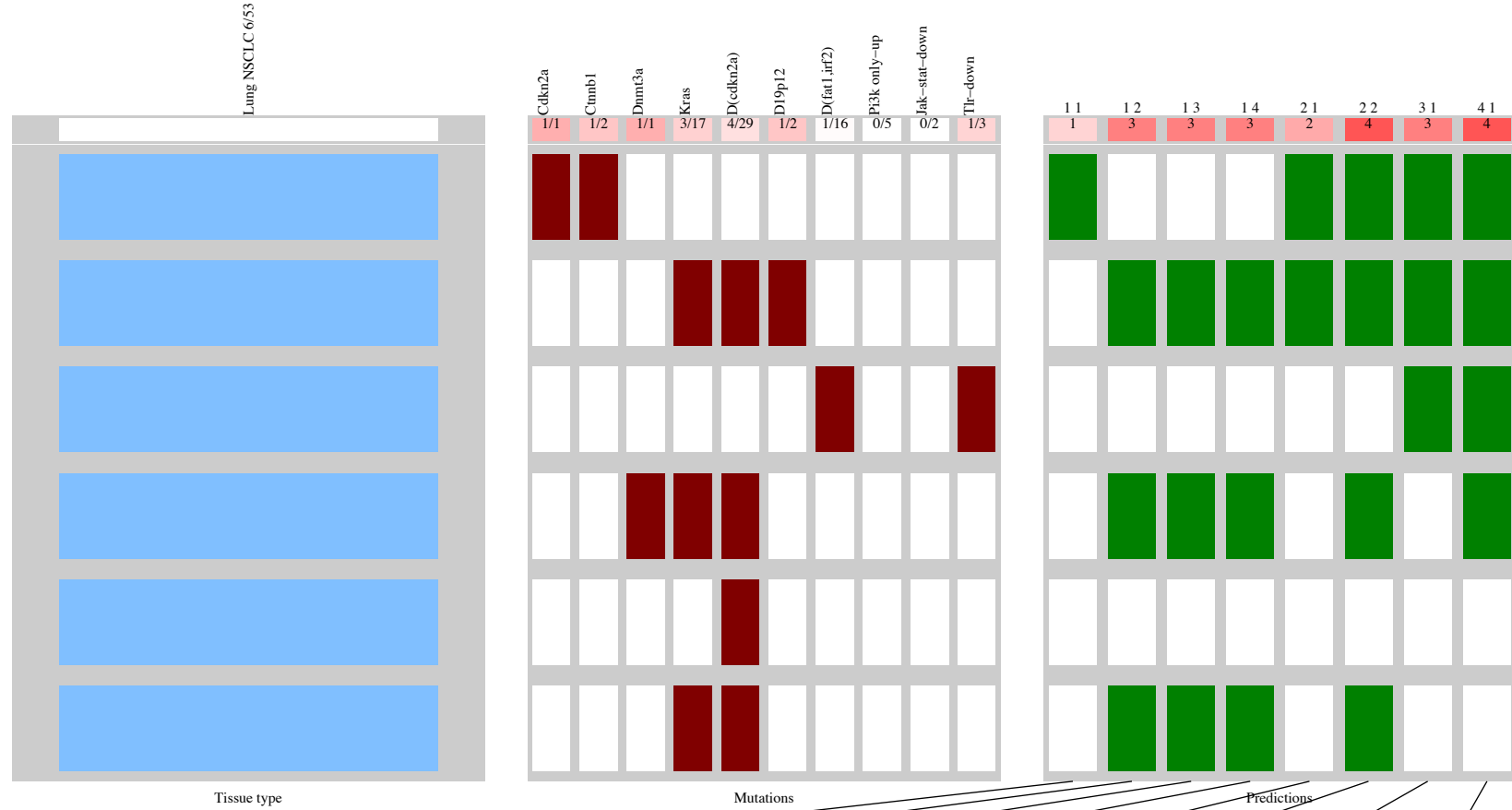
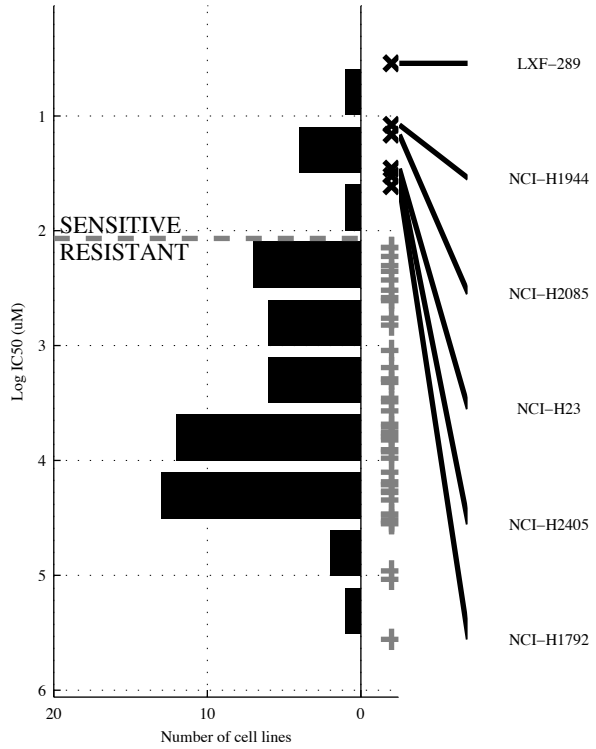
53 cell lines  
 7 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>-TP53</b>	<b>-TP53 &amp; a(ASXL)</b>	<b>-TP53 &amp; a(KRAS)</b> <b>-a(MYC)</b>	<b>-TP53 &amp; -d22q11&amp;</b> <b>-a(MYC) &amp; a(CCND)</b>	<b>RB1   -TP53</b>	<b>[ -TP53 &amp; a(ASXL)</b> <b> </b> <b>[d(SMAR&amp;a(CDK4)</b>	<b>RB1   -TP53  </b>	<b>MAP4K3  RB1  </b> <b>-TP53  </b>
TP   FP Specificity	5   5 0.89	5   3 0.93	5   1 0.98	5   0 1	6   5 0.89	6   3 0.93	6   5 0.89	6   5 0.89
FN   TN Precision	2   41 0.5	2   43 0.63	2   45 0.83	2   46 1	1   41 0.55	1   43 0.67	1   41 0.55	1   41 0.55
Recall	0.71	0.71	0.71	0.71	0.86	0.86	0.86	0.86

LUAD  
 id: 1052 name: RO-3306  
 target: CDK1 class: cell cycle

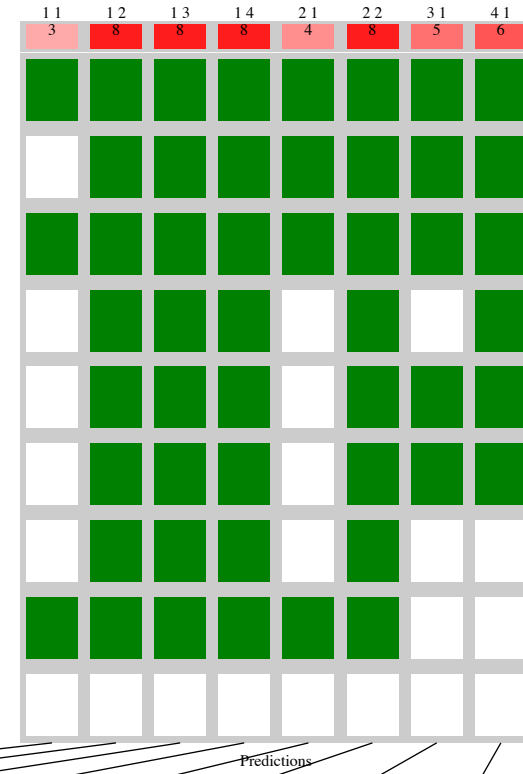
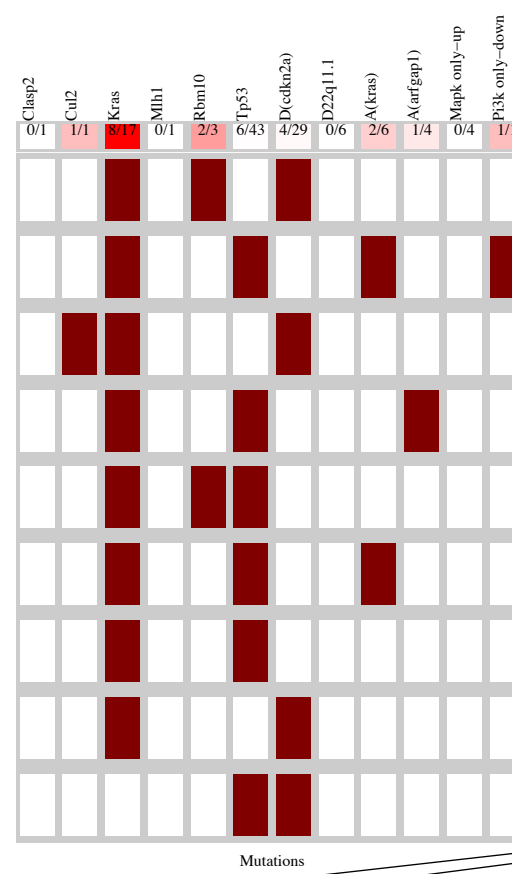
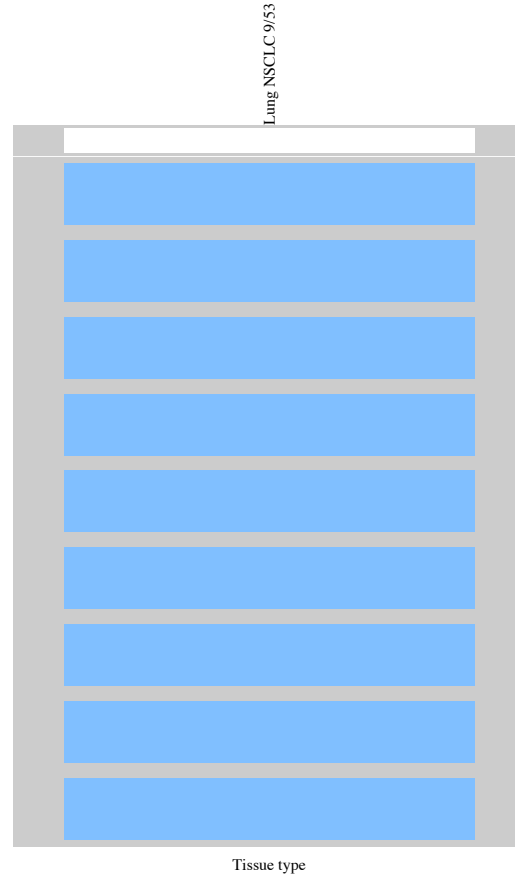
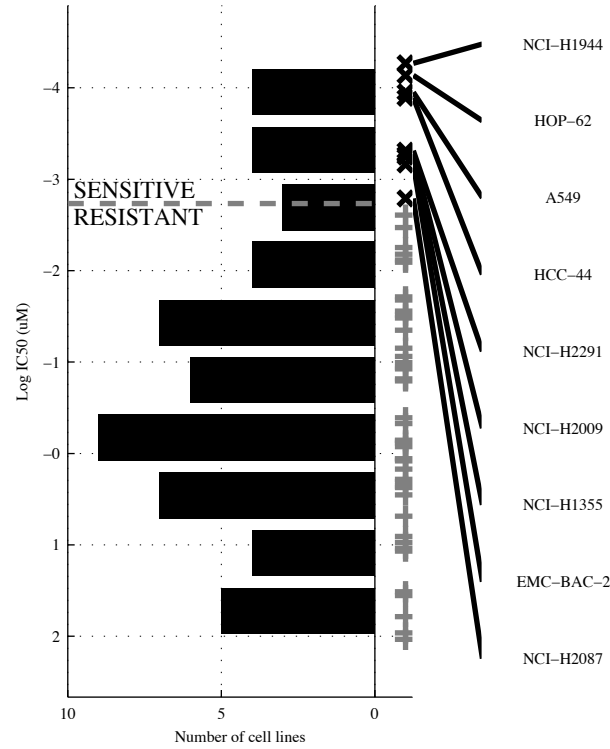
53 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>CDKN2A</b>	<b>KRAS &amp;l(CDKN</b>	<b>KRAS &amp;l(CDKN&amp;</b> <b>~JAK~ST</b>	<b>KRAS &amp;l(CDKN&amp;</b> <b>~d(FAT&amp;JAK~ST</b>	<b>CDKN2A  d19p12</b>	<b>[ KRAS &amp;l(CDKN]</b> <b> </b> <b>[CTNNB&amp;~PI3K o]</b>	<b>CDKN2A  d19p12  </b> <b>TLR~DO</b>	<b>CDKN2ADNMT3A </b> <b>d19p12 TLR~DO</b>
TP   FP Specificity	1   0 1	3   5 0.89	3   3 0.94	3   2 0.96	2   1 0.98	4   5 0.89	3   2 0.96	4   2 0.96
FN   TN Precision	5   47 1	3   42 0.38	3   44 0.5	3   45 0.6	4   46 0.67	2   42 0.44	3   45 0.6	2   45 0.67
Recall	0.17	0.5	0.5	0.5	0.33	0.67	0.5	0.67

LUAD  
 id: 1060 name: PD-0325901  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

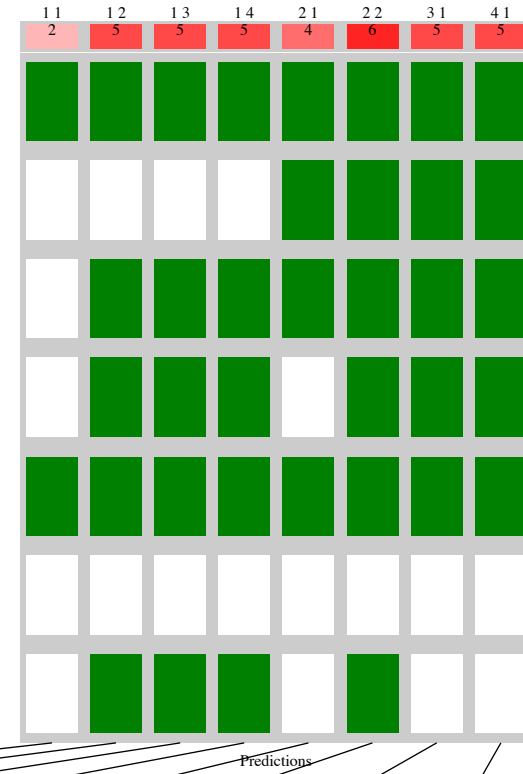
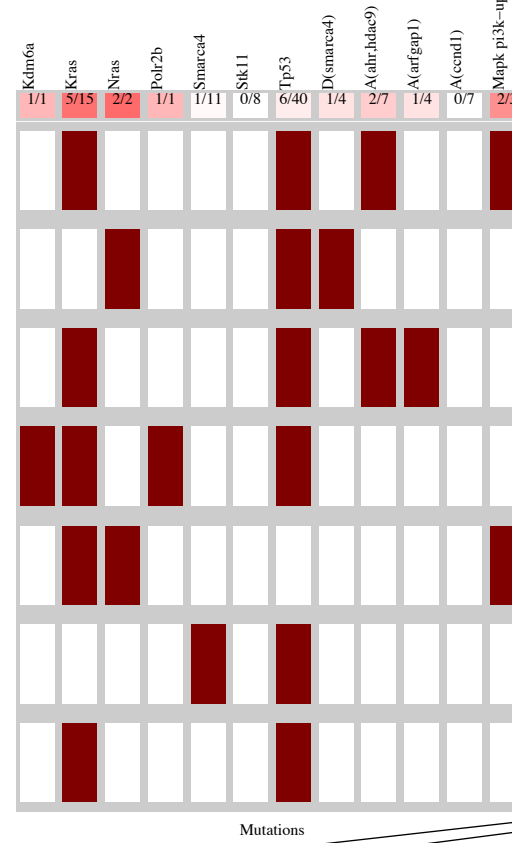
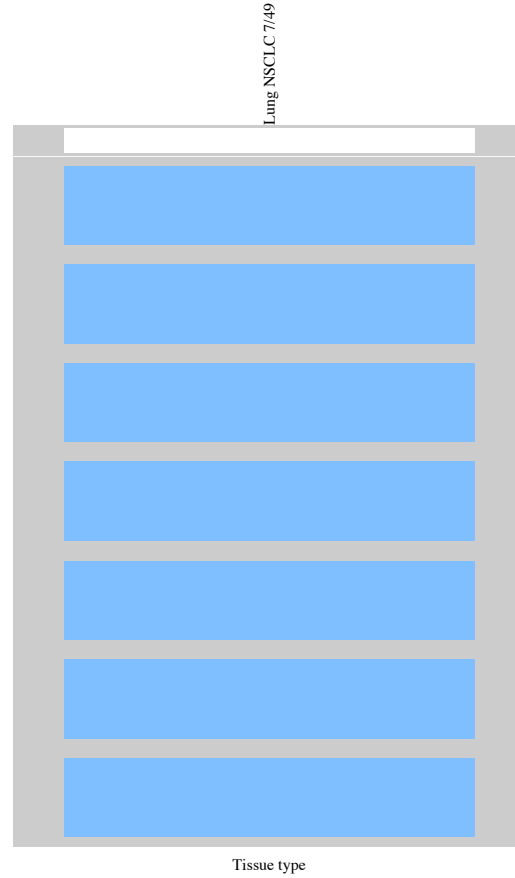
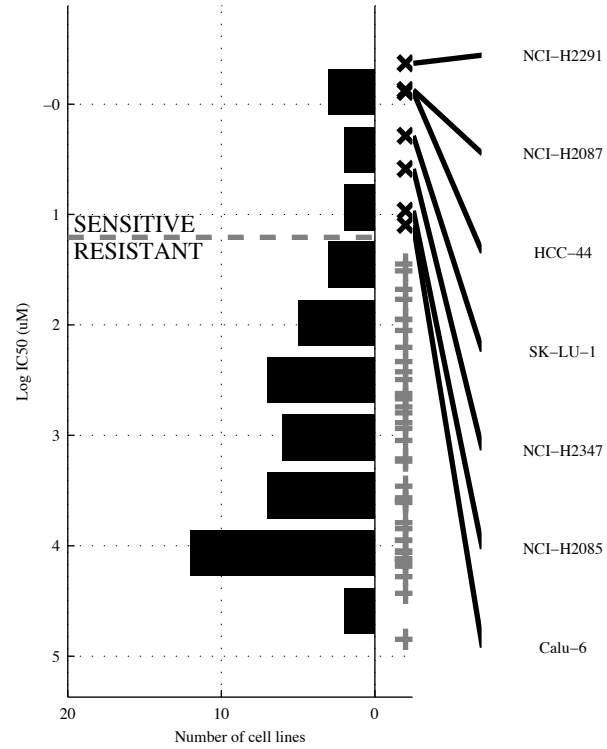
53 cell lines  
 9 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>-TP53</b>		<b>KRAS &amp; ~MLH1</b>		<b>~CLASP &amp; KRAS &amp; ~d22q11</b>		<b>KRAS &amp; ~MLH1 &amp; ~d22q11 &amp; MAPK o</b>		<b>~TP53   PI3K o</b>		<b>[ KRAS &amp; d(CDKN)   [ KRAS &amp; TP53 ]</b>		<b>CUL2   RBM10   a(KRAS)</b>		<b>CUL2   RBM10   a(KRAS)   a(ARFG)</b>	
TP   FP Specificity	3   7	0.84	8   8	0.82	8   7	0.84	8   5	0.89	4   7	0.84	8   6	0.86	5   5	0.89	6   8	0.82
FN   TN Precision	6   37	0.3	1   36	0.5	1   37	0.53	1   39	0.62	5   37	0.36	1   38	0.57	4   39	0.5	3   36	0.43
Recall		0.33		0.89		0.89		0.89		0.44		0.89		0.56		0.67

LUAD  
 id: 1062 name: AZD6244  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

49 cell lines  
 7 sensitive

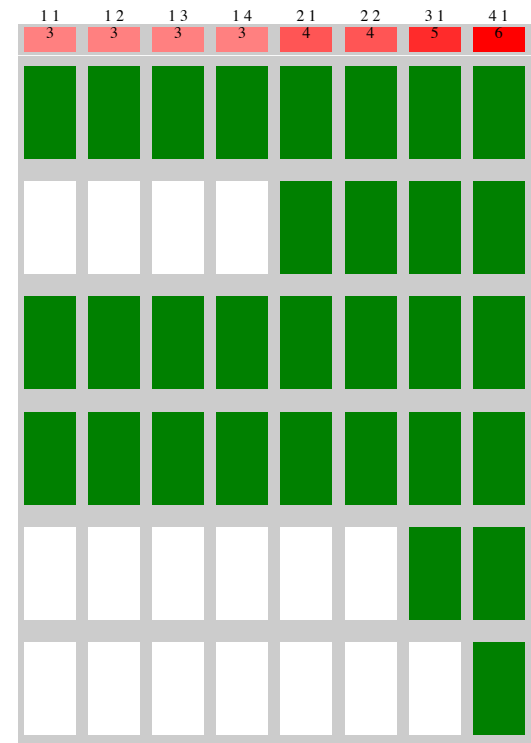
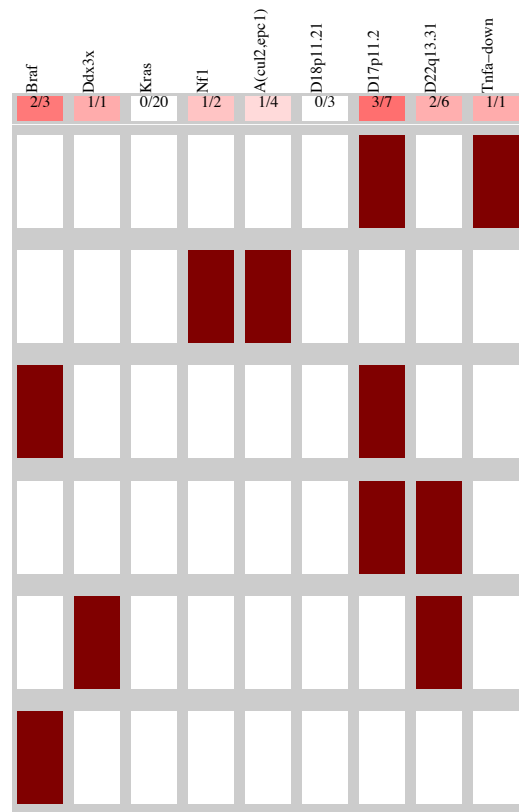
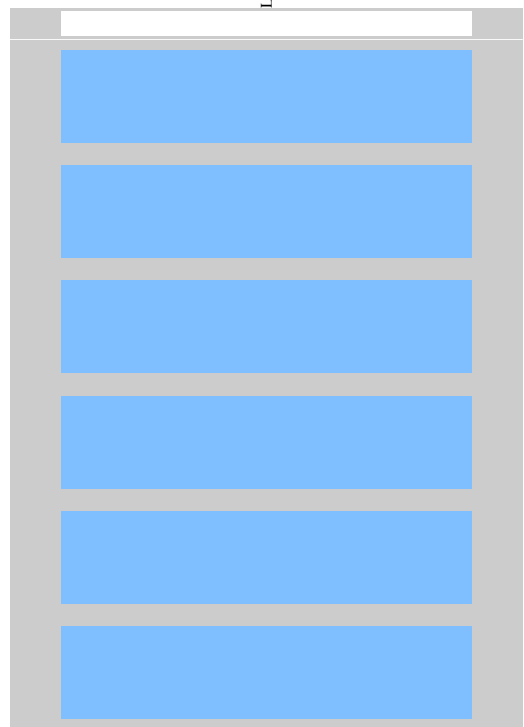
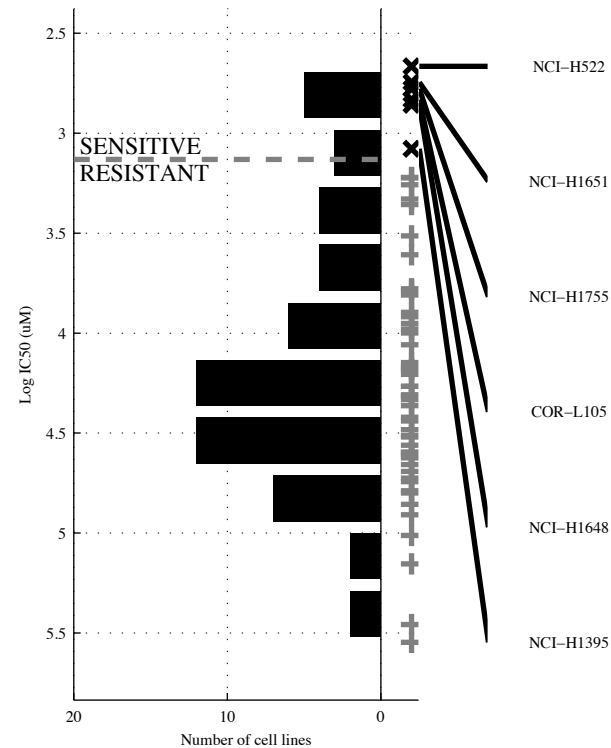


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MAPK P</b>	<b>KRAS &amp; SMARCA4</b>	<b>KRAS &amp; SMARCA4</b> <b>&amp; ¬d(SMARCA4)</b>	<b>KRAS &amp; STK11</b> <b>&amp; ¬d(SMARCA4)</b>	<b>NRAS   a(AHR,</b> <b>a(CCND1))</b>	<b>[ NRAS &amp; a(CCND1)  </b> <b>[ KRAS &amp; TP53 ]</b>	<b>KDM6A   NRAS  </b> <b>a(AHR,</b> <b>a(CCND1))</b>	<b>NRAS   POLR2B  </b> <b>a(ARFGAP1)   MAPK P</b>
TP   FP	2   1	5   6	5   5	5   4	4   5	6   5	5   5	5   4
Specificity	0.98	0.86	0.88	0.9	0.88	0.88	0.88	0.9
FN   TN	5   41	2   36	2   37	2   38	3   37	1   37	2   37	2   38
Precision	0.67	0.45	0.5	0.56	0.44	0.55	0.5	0.56
Recall	0.29	0.71	0.71	0.71	0.57	0.86	0.71	0.71

LUAD  
 id: 1067 name: CCT007093  
 target: PPM1D class: other

57 cell lines  
 6 sensitive

Lung NSCLC 6/57

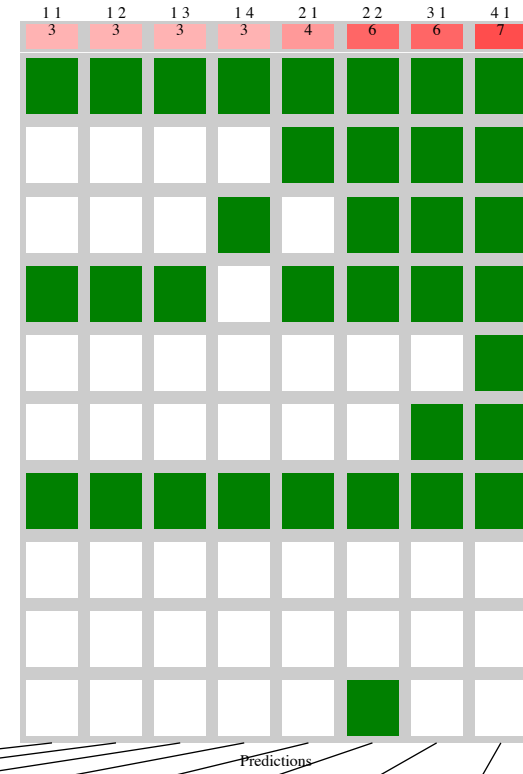
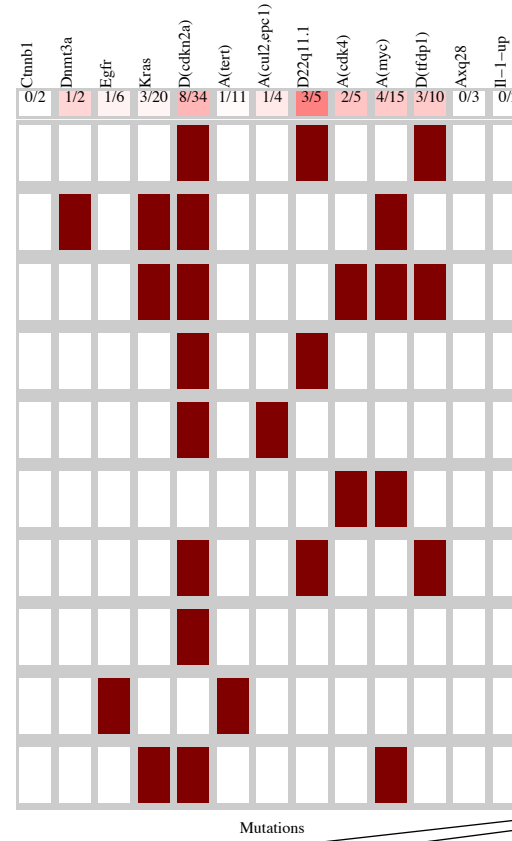
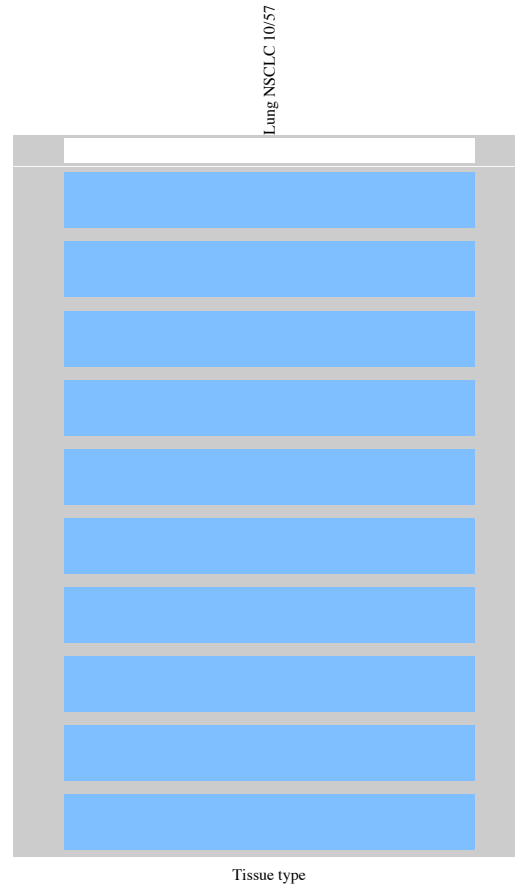
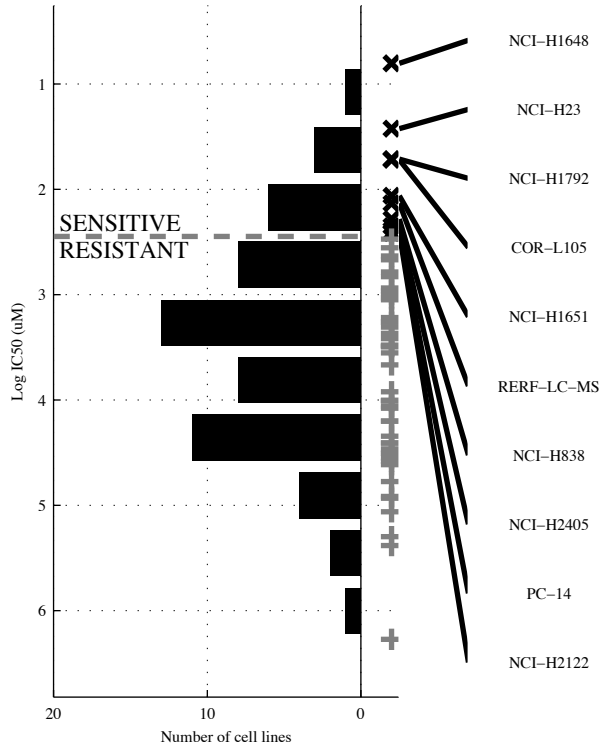


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d17p11</b>	<b>¬d18p11&amp;d17p11</b>	<b>¬KRAS&amp;¬d18p11&amp;d17p11</b>	<b>¬KRAS&amp;¬d18p11&amp;d17p11&amp;</b>	<b>NF1   d17p11</b>	<b>[¬d18p11&amp;d17p11]   [NF1 &amp;a(CUL2)]</b>	<b>DDX3X   NF1   d17p11</b>	<b>BRAF   NF1   d22q13   TNFa-D</b>
TP   FP Specificity	3   4 0.92	3   2 0.96	3   0 1	3   0 1	4   5 0.9	4   2 0.96	5   5 0.9	6   5 0.9
FN   TN Precision	3   47 0.43	3   49 0.6	3   51 1	3   51 1	2   46 0.44	2   49 0.67	1   46 0.5	0   46 0.55
Recall	0.5	0.5	0.5	0.5	0.67	0.67	0.83	1



LUAD  
 id: 1072 name: BMS-708163  
 target: g-secretase class: other

57 cell lines  
 10 sensitive

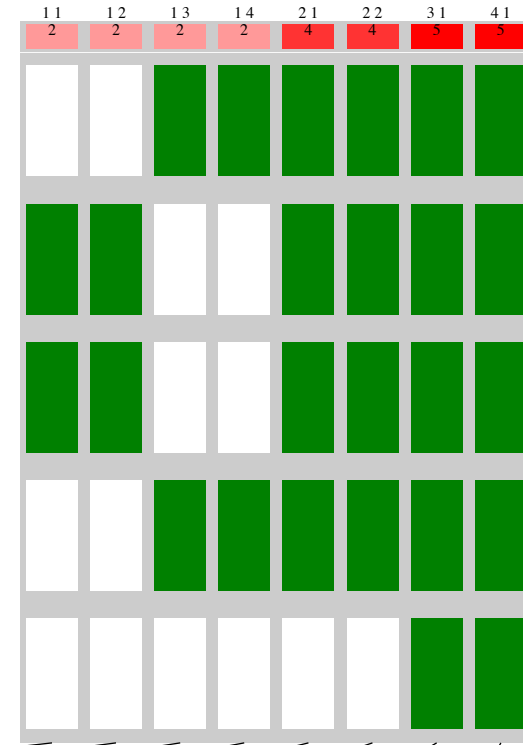
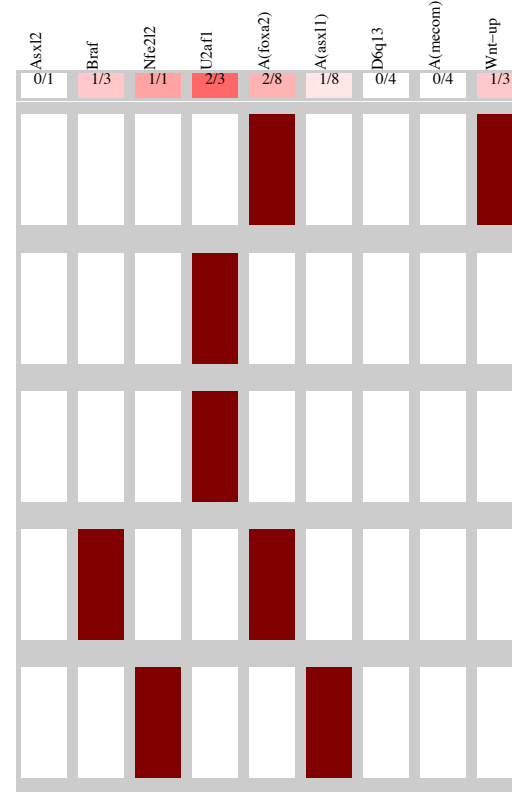
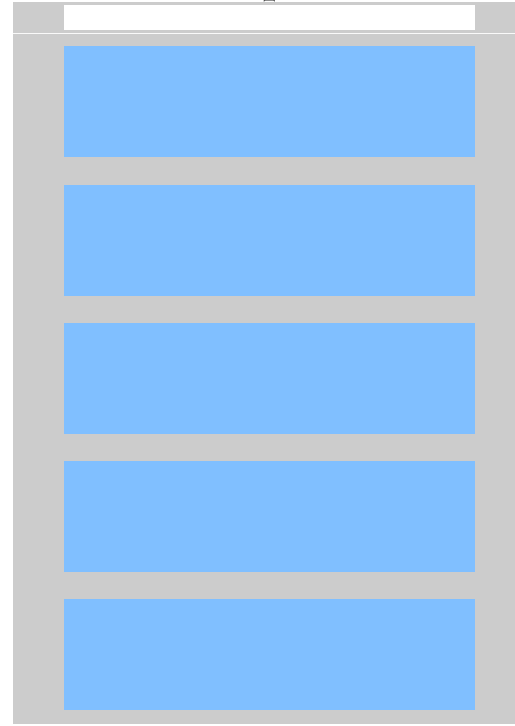
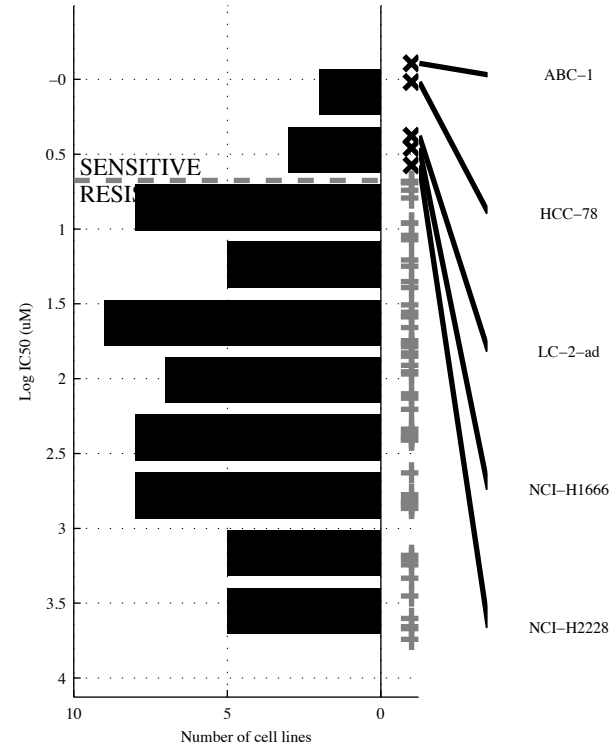


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d22q11</b>	<b>d22q11 &amp; -IL-1-U</b>	<b>-CTNNB &amp; d22q11 &amp; -IL-1-U</b>	<b>-EGFR &amp; (CDKN2A) &amp; -a(TER) &amp; d(TFDP)</b>	<b>DNMT3A   d22q11</b>	<b>[ d22q11 &amp; -aXq28 ]   [ KRAS &amp; a(MYC) ]</b>	<b>DNMT3A   d22q11   a(CDK4)</b>	<b>DNMT3A   a(CUL2)   d22q11   a(CDK4)</b>
TP   FP	3   2	3   1	3   0	3   0	4   3	6   4	6   6	7   6
Specificity	0.96	0.98	1	1	0.94	0.91	0.87	0.87
FN   TN	7   45	7   46	7   47	7   47	6   44	4   43	4   41	3   41
Precision	0.6	0.75	1	1	0.57	0.6	0.5	0.54
Recall	0.3	0.3	0.3	0.3	0.4	0.6	0.6	0.7

LUAD  
 id: 1091 name: BMS-536924  
 target: IGF1R class: IGFR signaling

60 cell lines  
 5 sensitive

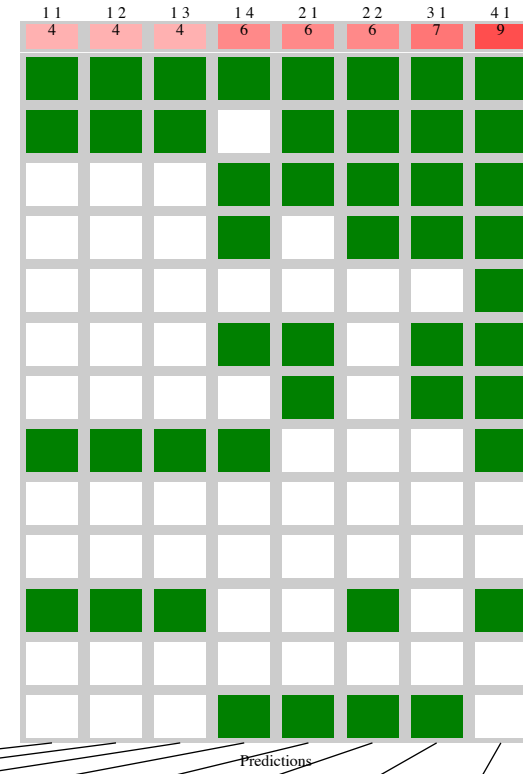
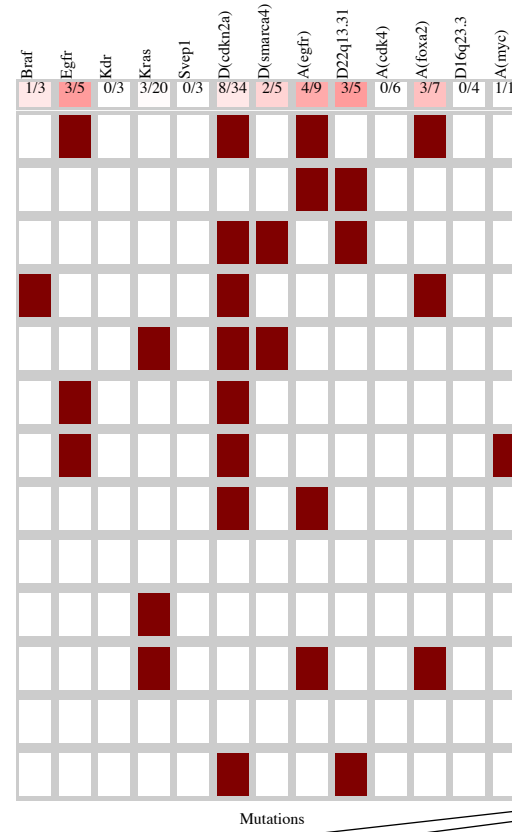
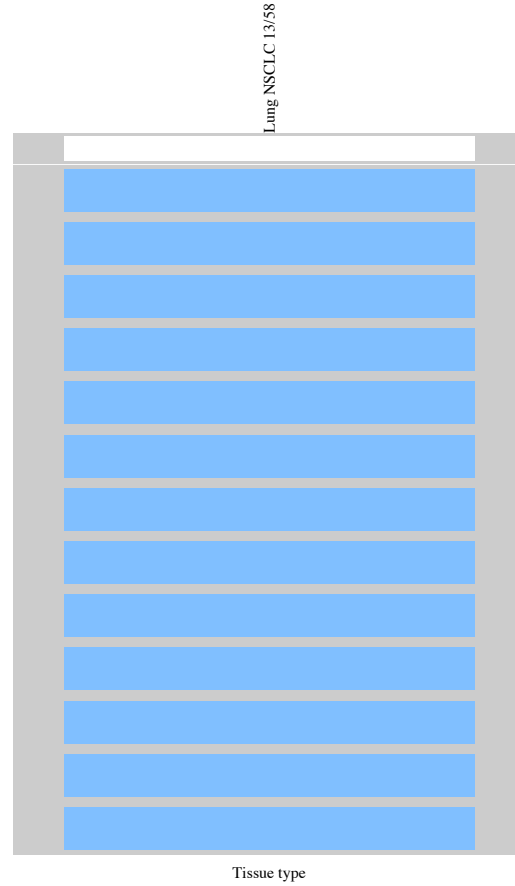
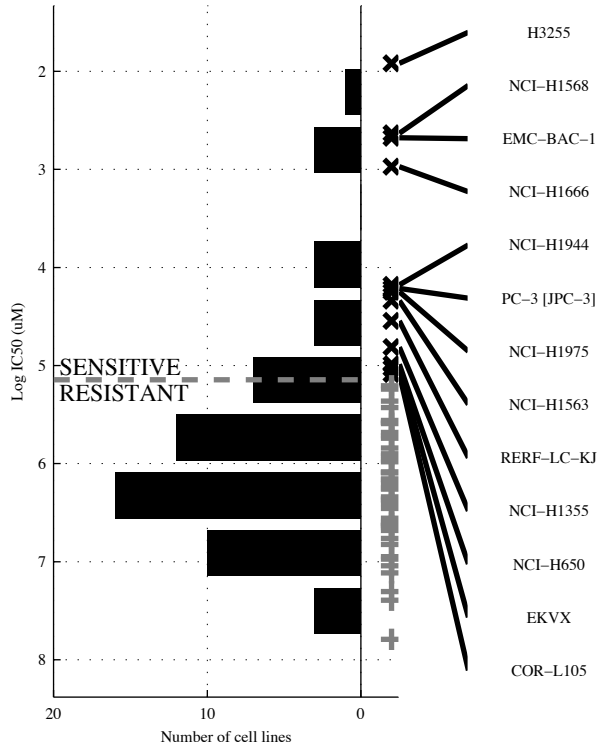
Lung NSCLC 5/60



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>U2AF1</b>	<b>¬ASXL2 &amp; U2AF1</b>	<b>a(FOXA2 &amp; a(ASXL1 &amp; U2AF1)</b>	<b>a(FOXA2 &amp; a(ASXL1 &amp; ¬d6q13 &amp; a(MECOM)</b>	<b>U2AF1   a(FOXA2</b>	<b>[ a(FOXA2 &amp; a(ASXL1)   [¬ASXL2 &amp; U2AF1 ]</b>	<b>NFE2L2   U2AF1   a(FOXA2</b>	<b>BRAF   NFE2L2   U2AF1   Wnt-UP</b>
TP   FP	2   1	2   0	2   1	2   0	4   7	4   2	5   7	5   5
Specificity	0.98	1	0.98	1	0.87	0.96	0.87	0.91
FN   TN	3   54	3   55	3   54	3   55	1   48	1   53	0   48	0   50
Precision	0.67	1	0.67	1	0.36	0.67	0.42	0.5
Recall	0.4	0.4	0.4	0.4	0.8	0.8	1	1

LUAD  
 id: 1114 name: Cetuximab  
 target: EGFR class: EGFR signaling

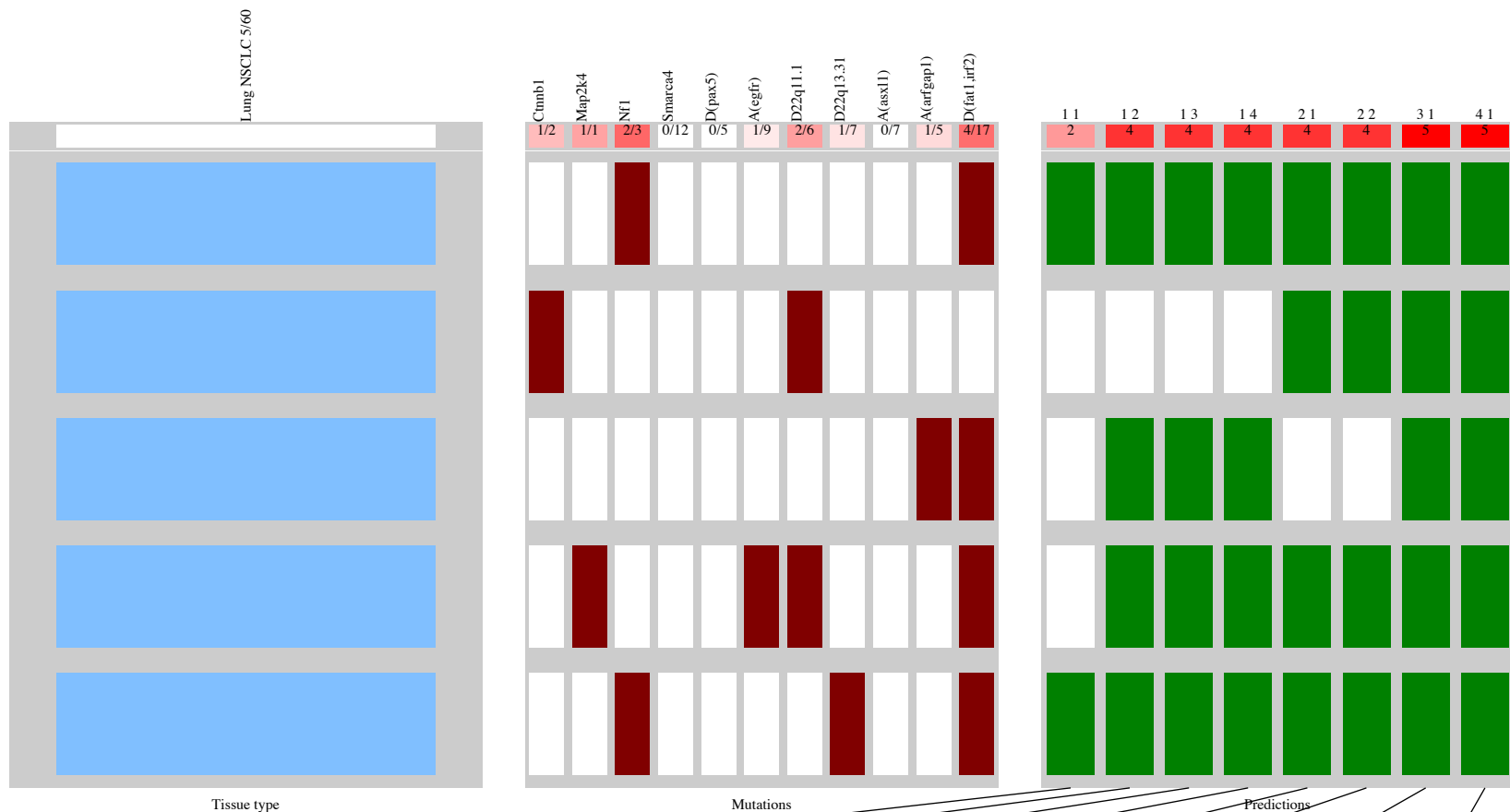
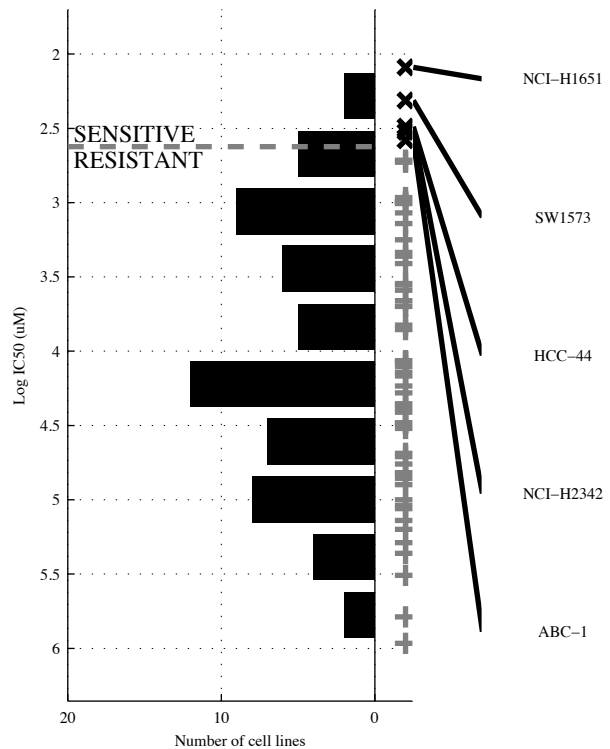
58 cell lines  
 13 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	M															
Logic formula	<b>a(EGFR)</b>		<b>¬SVEP1 &amp; a(EGFR)</b>		<b>¬SVEP1 &amp; a(EGFR) &amp; ¬a(CDK4)</b>		<b>¬KDR &amp; ¬KRAS &amp; d(CDKN2A) &amp; a(MYC)</b>		<b>EGFR   d22q13</b>		<b>[ a(FOXA2) &amp; a(MYC) ]   [ d22q13 &amp; ¬d16q23 ]</b>		<b>BRAF   EGFR   d22q13</b>		<b>BRAF   EGFR   d(SMARCA4) &amp; a(EGFR)</b>	
TP   FP	4   5	0.89	4   3	0.93	4   2	0.96	6   9	0.8	6   4	0.91	6   3	0.93	7   6	0.87	9   9	0.8
FN   TN	9   40	0.44	9   42	0.57	9   43	0.67	7   36	0.4	7   41	0.6	7   42	0.67	6   39	0.54	4   36	0.5
Specificity	0.89		0.93		0.96		0.8		0.91		0.93		0.87		0.8	
Precision	0.44		0.57		0.67		0.4		0.6		0.67		0.54		0.5	
Recall	0.31		0.31		0.31		0.46		0.46		0.46		0.54		0.69	

LUAD  
 id: 1129 name: PF-4708671  
 target: RPS6KB1 (p70S6KA) class: TOR signaling

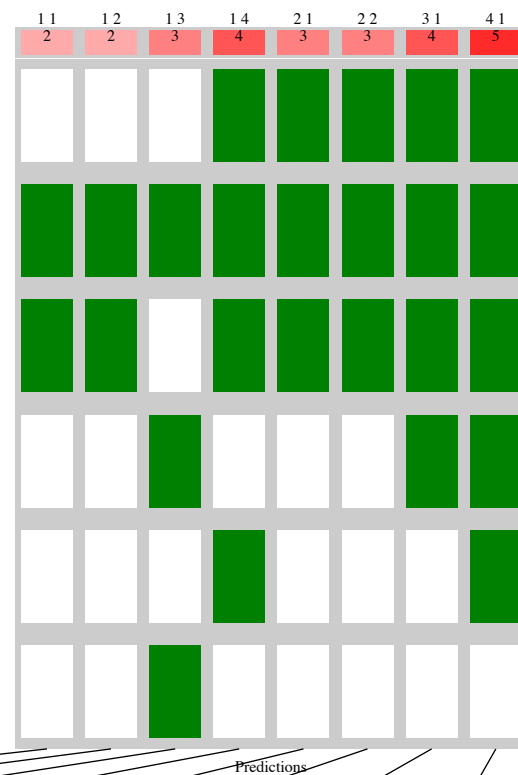
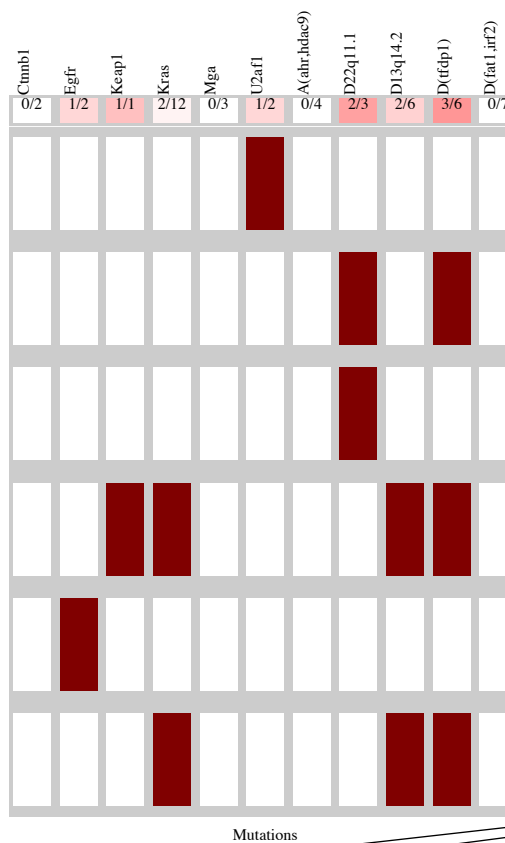
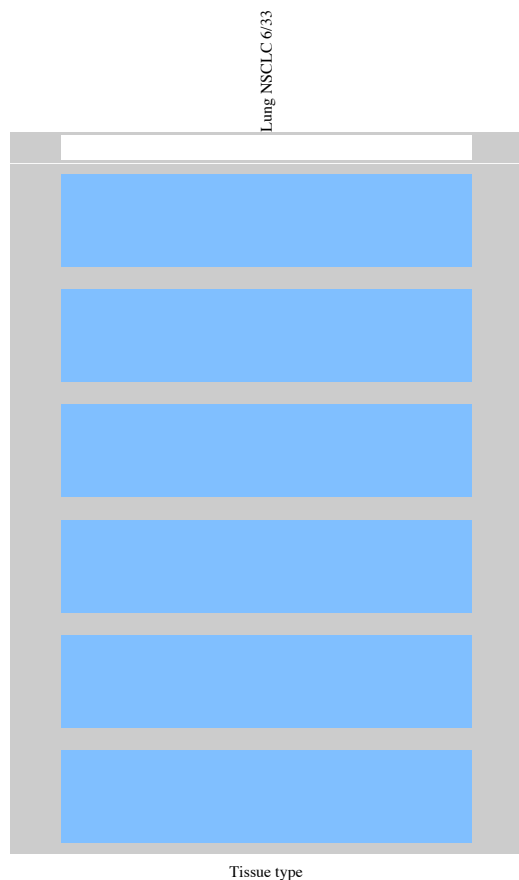
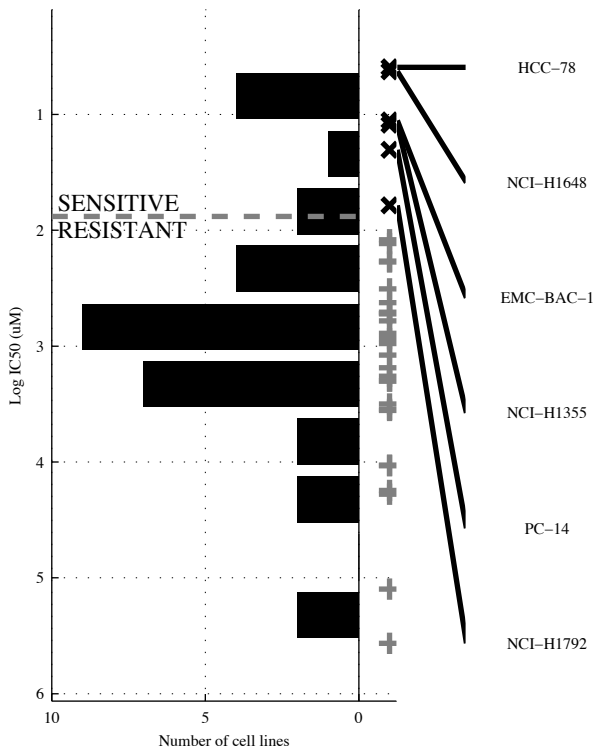
60 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>NF1</b>	<b>-SMARCD(FAT1</b>	<b>-SMARCD(PAX&amp; d(FAT1</b>	<b>-SMARCD(PAX&amp; -a(ASXI&amp;d(FAT1</b>	<b>NF1   d22q11</b>	<b>[ NF1 &amp;a(EGFR)   [ d22q11&amp;-d22q13]</b>	<b>NF1   d22q11   a(ARFG</b>	<b>CTNNB1MAP2K4  NF1  a(ARFG</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{2}{3} \mid \frac{1}{54}$ 0.98 0.67 0.4	$\frac{4}{1} \mid \frac{8}{47}$ 0.85 0.33 0.8	$\frac{4}{1} \mid \frac{4}{51}$ 0.93 0.5 0.8	$\frac{4}{1} \mid \frac{2}{53}$ 0.96 0.67 0.8	$\frac{4}{1} \mid \frac{5}{50}$ 0.91 0.44 0.8	$\frac{4}{1} \mid \frac{1}{54}$ 0.98 0.8 0.8	$\frac{5}{0} \mid \frac{9}{46}$ 0.84 0.36 1	$\frac{5}{0} \mid \frac{6}{49}$ 0.89 0.45 1

LUAD  
 id: 1143 name: HG-5-88-01  
 target: EGFR, ADCK4 class: EGFR signaling

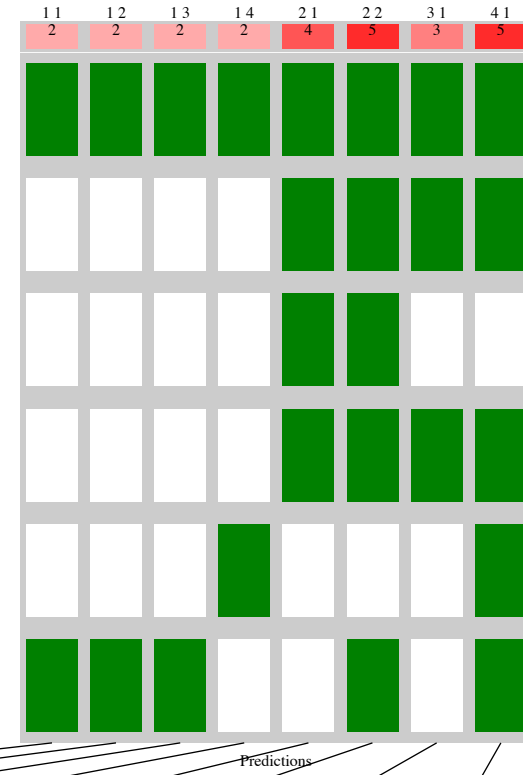
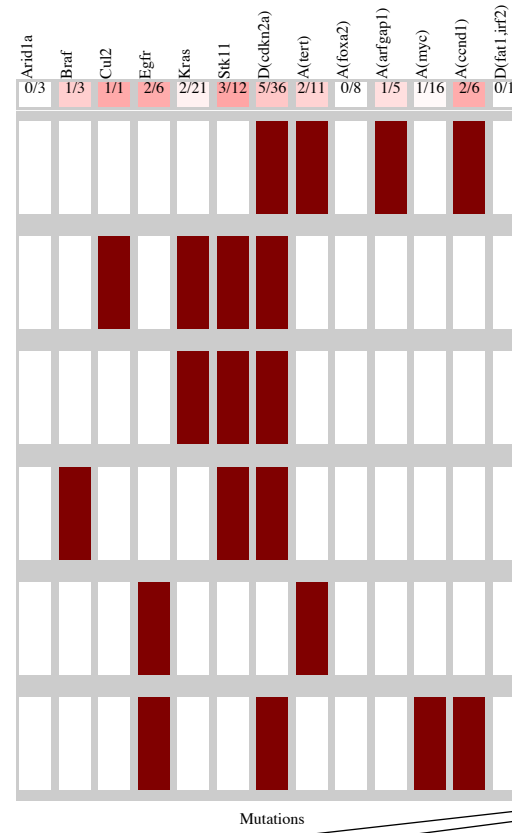
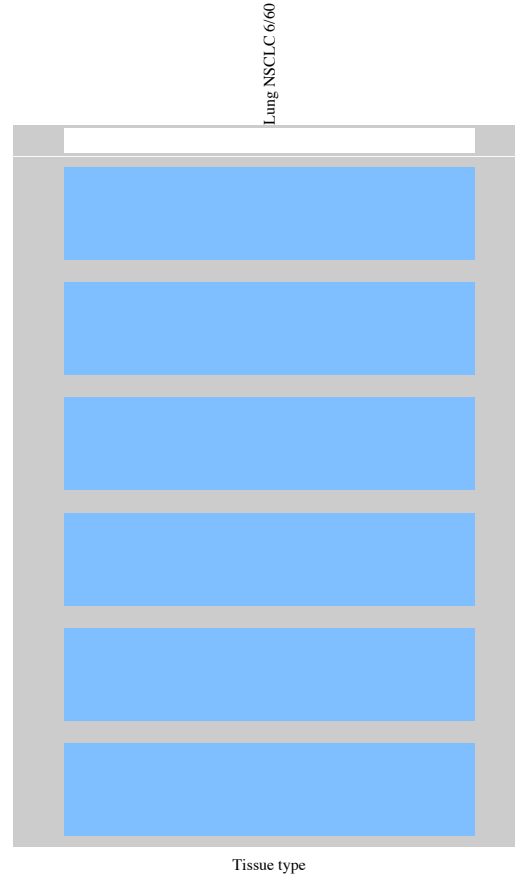
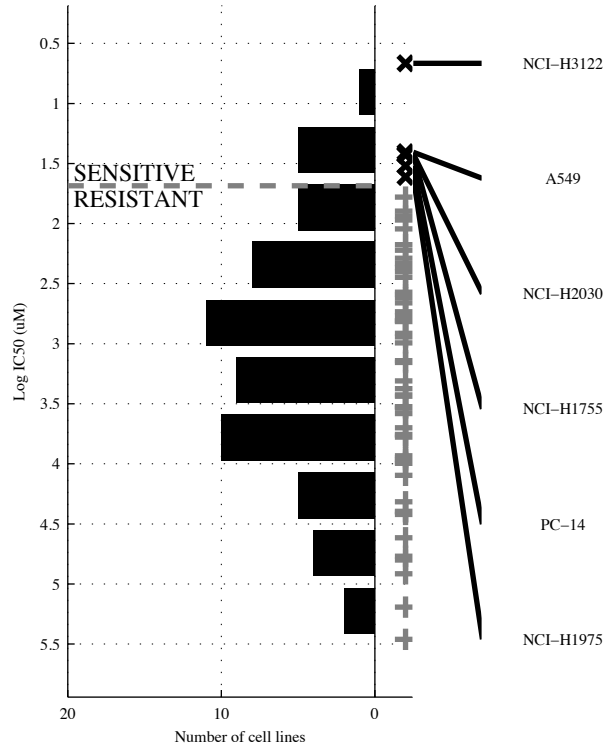
33 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d22q11</b>	<b>~CTNNB &amp; d22q11</b>	<b>~MGA &amp; d(TFDP &amp; ~d(FAT1)</b>	<b>~KRAS &amp; ~a(AHR &amp; ~d13q14 &amp; ~d(FAT1)</b>	<b>U2AF1   d22q11</b>	<b>[ ~CTNNB &amp; d22q11 ]   [ ~KRAS &amp; U2AF1 ]</b>	<b>KEAP1   U2AF1   d22q11</b>	<b>EGFR   KEAP1   U2AF1   d22q11</b>
TP   FP	2   1	2   0	3   0	4   5	3   2	3   0	4   2	5   3
Specificity	0.96	1	1	0.81	0.93	1	0.93	0.89
FN   TN	4   26	4   27	3   27	2   22	3   25	3   27	2   25	1   24
Precision	0.67	1	1	0.44	0.6	1	0.67	0.63
Recall	0.33	0.33	0.5	0.67	0.5	0.5	0.67	0.83

LUAD  
 id: 1170 name: CCT018159  
 target: HSP90 class: other

60 cell lines  
 6 sensitive

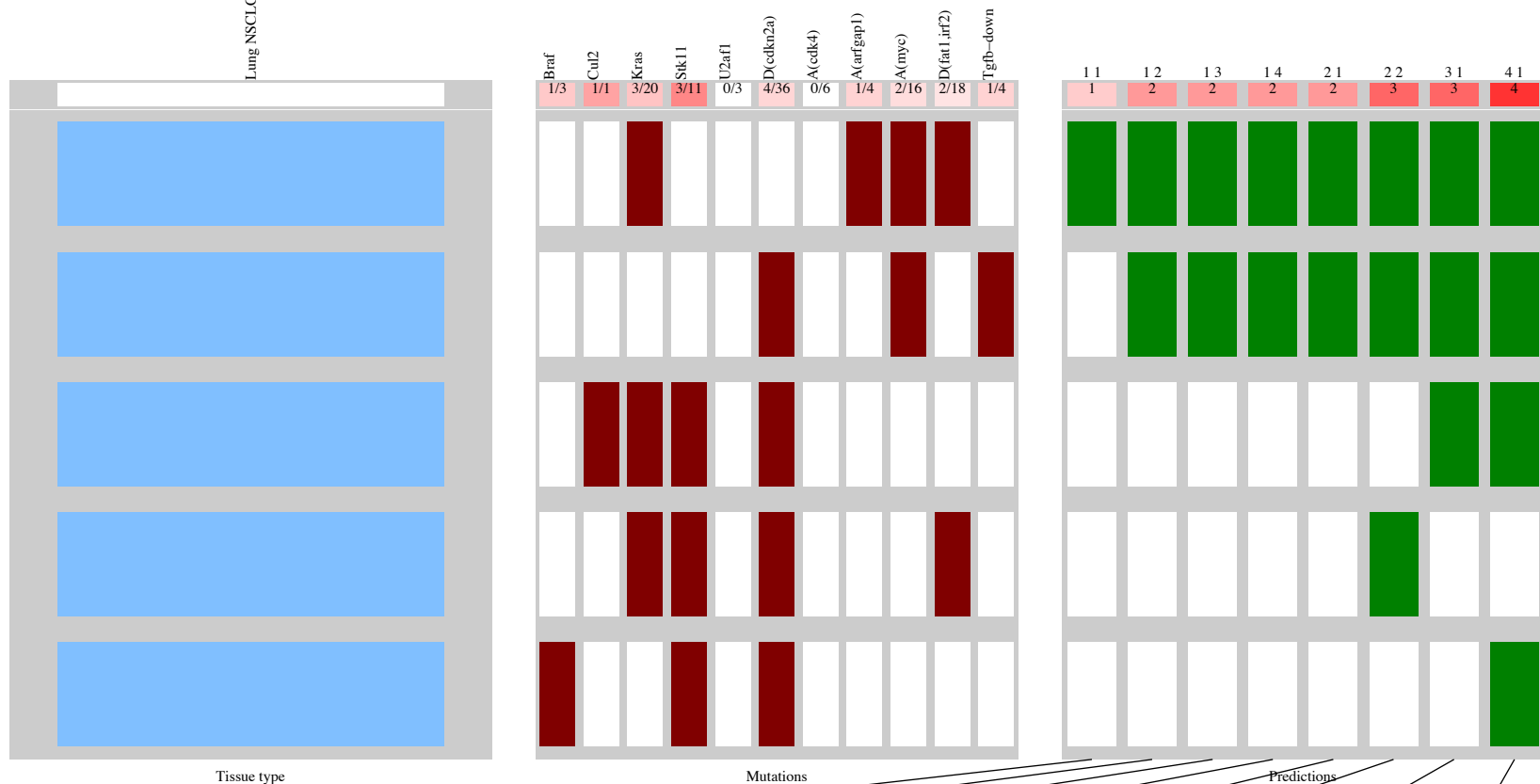
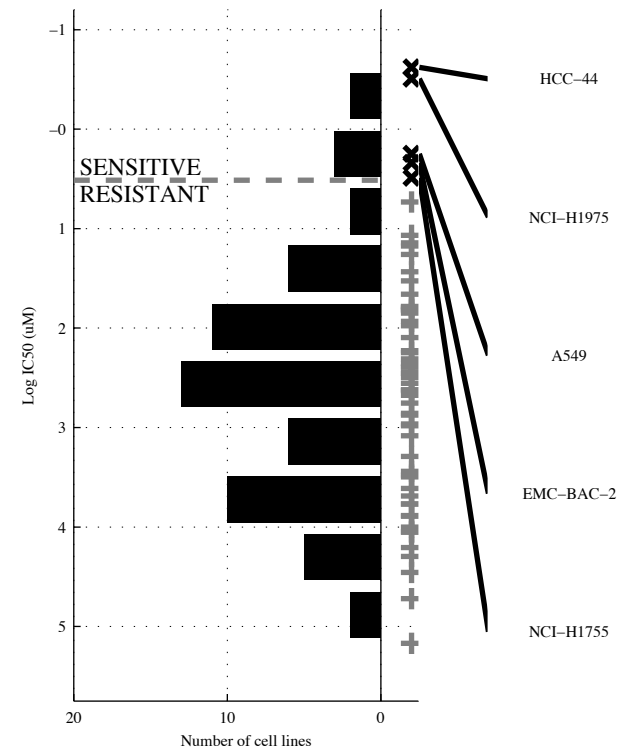


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a(CCND)</b>	<b>d(CDKN&amp;a(CCND)</b>	<b>~KRAS&amp;a(CCND&amp;</b>	<b>~ARID1&amp;a(TERT&amp;</b>	<b>STK11   a(ARFG)</b>	<b>[ STK11 &amp;d(CDKN)     [d(CDKN&amp;a(CCND)]</b>	<b>BRAF   CUL2   a(ARFG)</b>	<b>BRAF   CUL2   EGFR   a(ARFG)</b>
TP   FP	2   4	2   1	2   0	2   0	4   10	5   6	3   4	5   8
Specificity	0.93	0.98	1	1	0.81	0.89	0.93	0.85
FN   TN	4   50	4   53	4   54	4   54	2   44	1   48	3   50	1   46
Precision	0.33	0.67	1	1	0.29	0.45	0.43	0.38
Recall	0.33	0.33	0.33	0.33	0.67	0.83	0.5	0.83

LUAD  
 id: 1192 name: GSK269962A  
 target: ROCK1, ROCK2 class: cytoskeleton

60 cell lines  
 5 sensitive

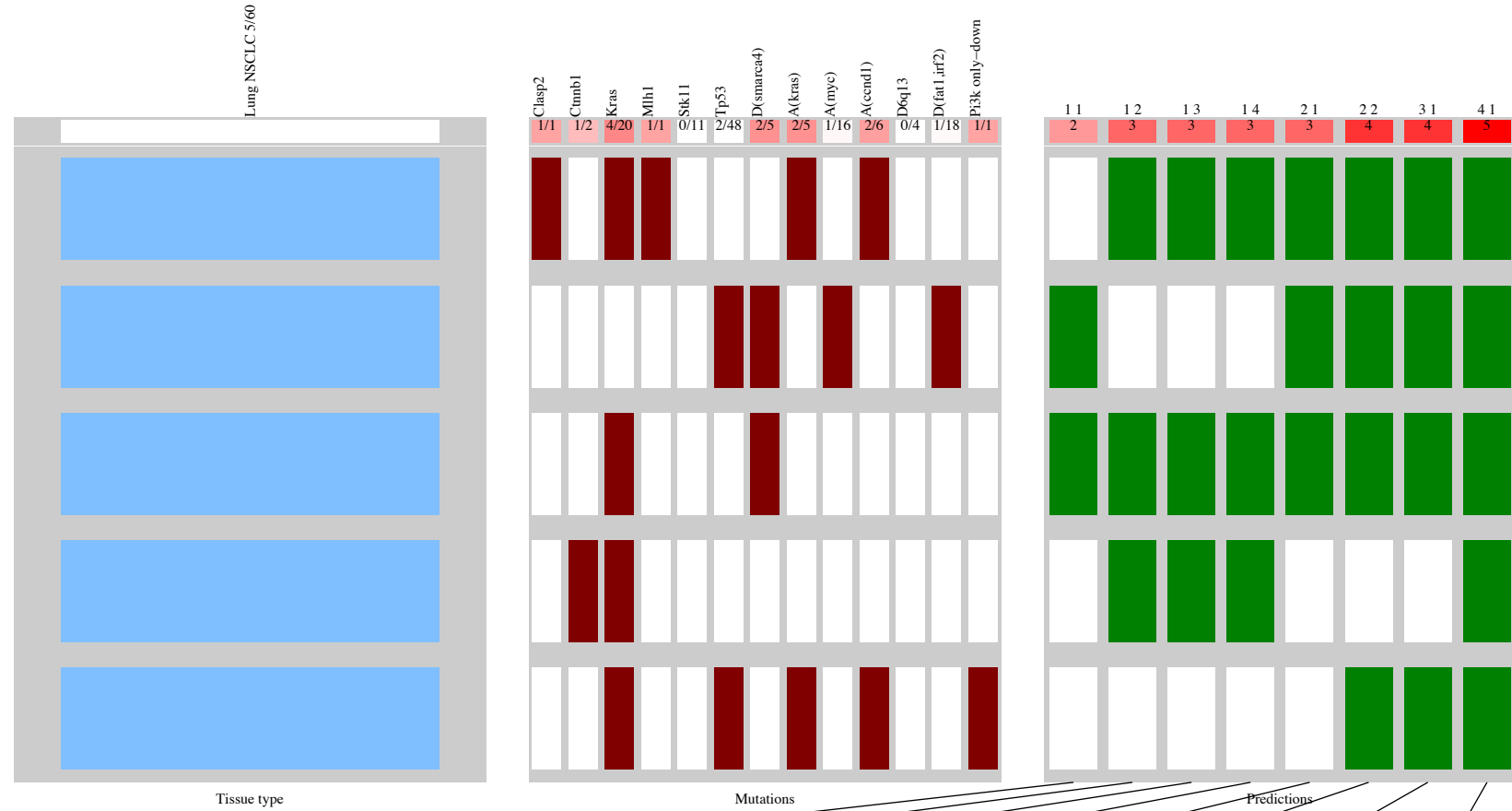
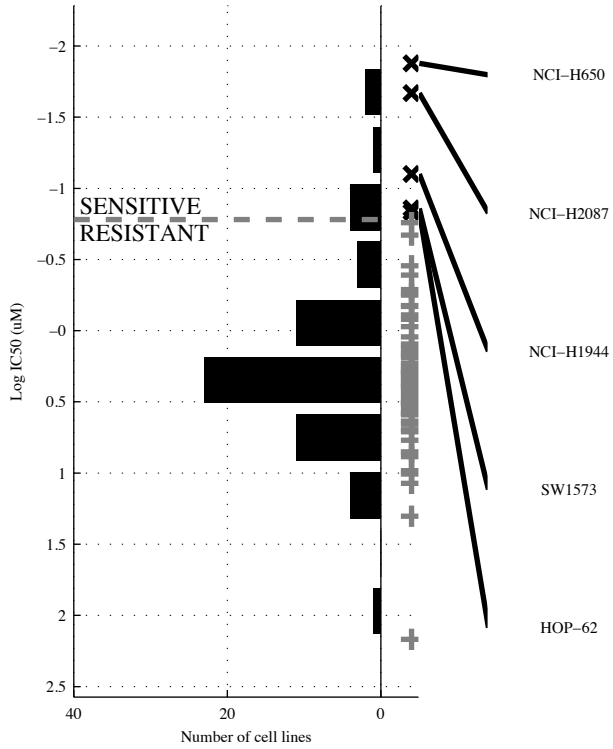
Lung NSCLC: 5/60



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>a(ARFG)</b>	<b>¬a(CDK&amp;a(MYC))</b>	<b>¬STK11&amp;a(CDK&amp;a(MYC))</b>	<b>¬STK11&amp;¬U2AF1&amp;¬a(CDK&amp;a(MYC))</b>	<b>a(ARFG   TGFB-D)</b>	<b>[d(CDK&amp;TGFB-D)   [ KRAS &amp;d(FAT1)]</b>	<b>CUL2   a(ARFG)   TGFB-D</b>	<b>BRAF   CUL2   a(ARFG   TGFB-D)</b>
TP   FP Specificity	1   3 0.95	2   8 0.85	2   5 0.91	2   3 0.95	2   6 0.89	3   1 0.98	3   6 0.89	4   6 0.89
FN   TN Precision	4   52 0.25	3   47 0.2	3   50 0.29	3   52 0.4	3   49 0.25	2   54 0.75	2   49 0.33	1   49 0.4
Recall	0.2	0.4	0.4	0.4	0.4	0.6	0.6	0.8

LUAD  
 id: 1230 name: IOX2  
 target: EGLN1 class: other

60 cell lines  
 5 sensitive



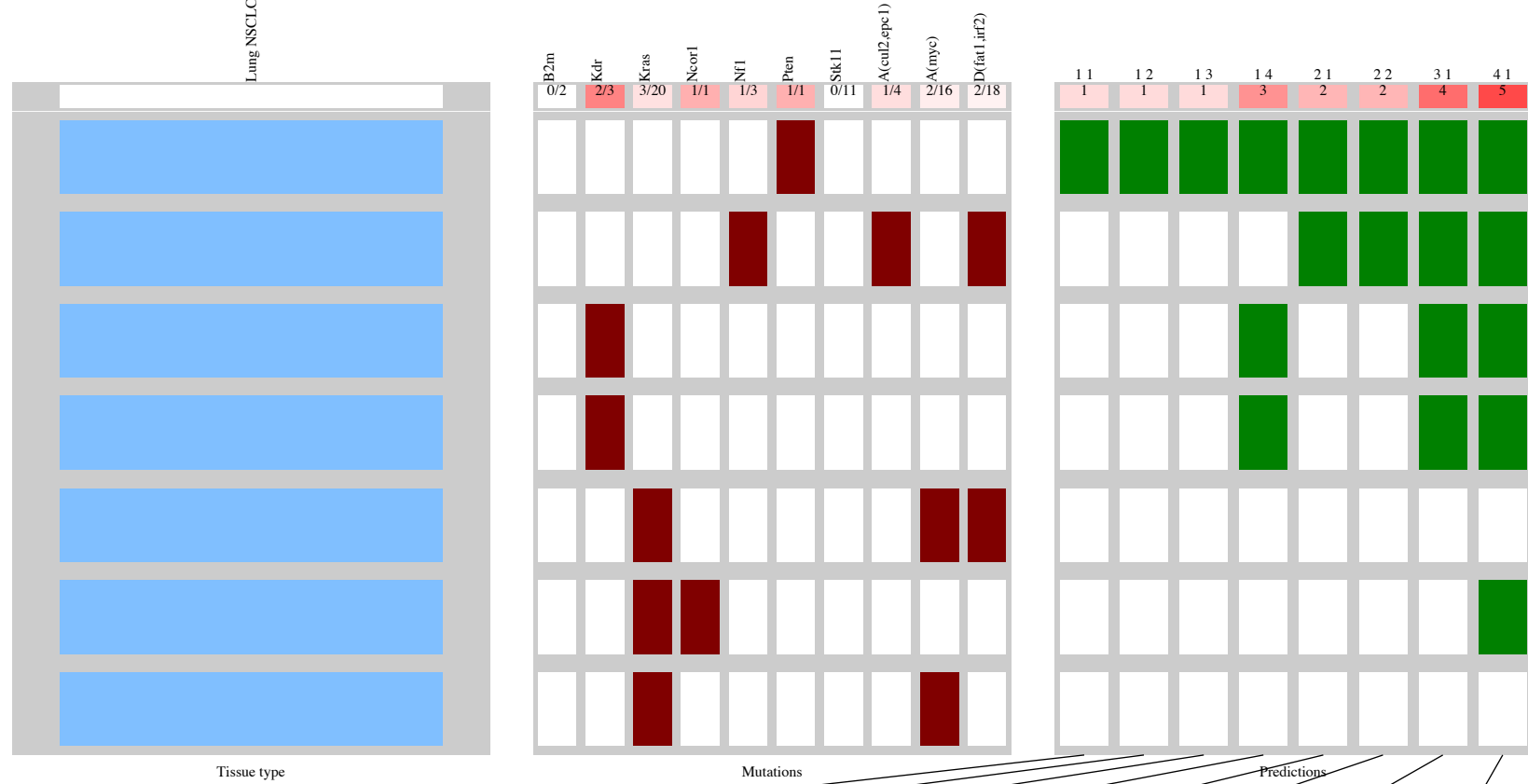
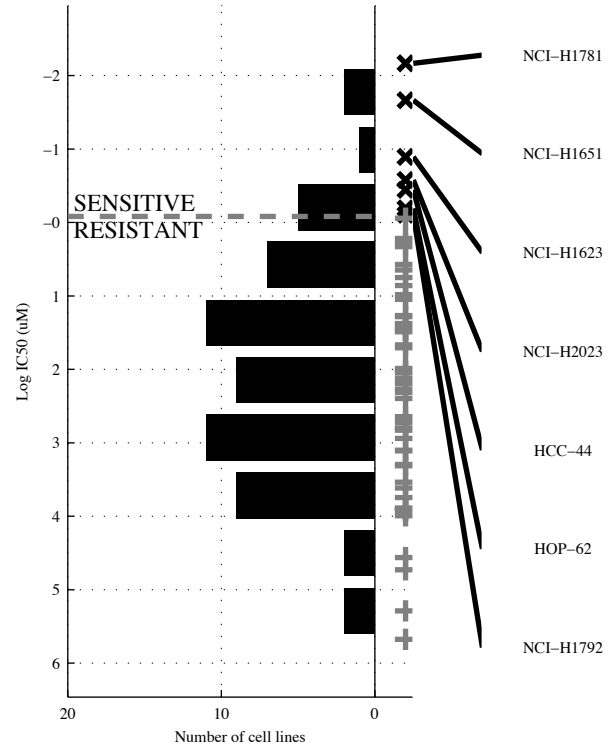
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d(SMAR</b>	<b>KRAS &amp; -TP53</b>	<b>KRAS &amp; -TP53 &amp; -d(FAT1</b>	<b>-STK11&amp; -TP53 &amp; -a(MYC&amp;-d(FAT1</b>	<b>CLASP2 d(SMAR</b>	<b>[d(SMAR&amp;-d6q13 ]   [a(KRAS&amp;a(CCND]</b>	<b>CLASP2 d(SMAR  PI3K o</b>	<b>CTNNB1  MLH1   d(SMAR  PI3K o</b>
TP   FP Specificity	2   3 0.95	3   4 0.93	3   2 0.96	3   0 1	3   3 0.95	4   1 0.98	4   3 0.95	5   4 0.93
FN   TN Precision	3   52 0.4	2   51 0.43	2   53 0.6	2   55 1	2   52 0.5	1   54 0.8	1   52 0.57	0   51 0.56
Recall	0.4	0.6	0.6	0.6	0.6	0.8	0.8	1



LUAD  
 id: 1259 name: BMN-673  
 target: PARP1 class: Genome integrity

59 cell lines  
 7 sensitive

Lung NSCLC 7/59

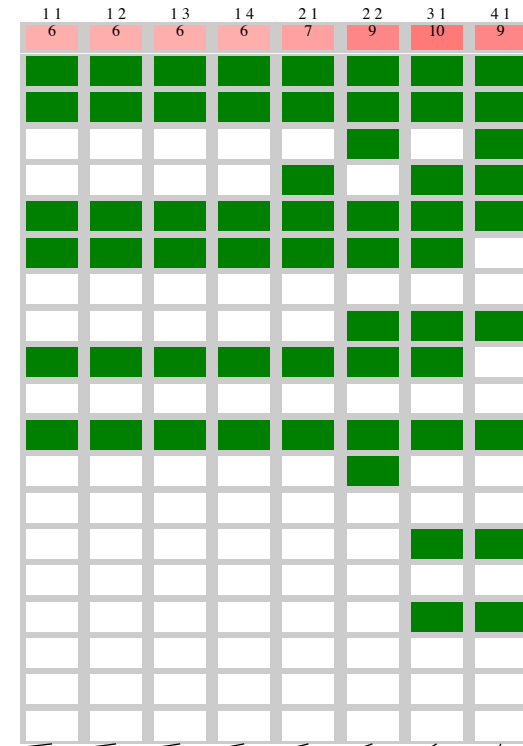
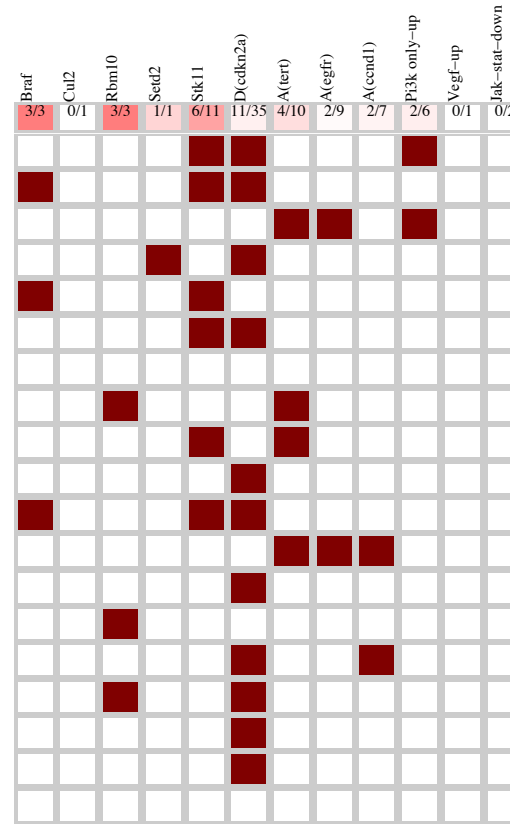
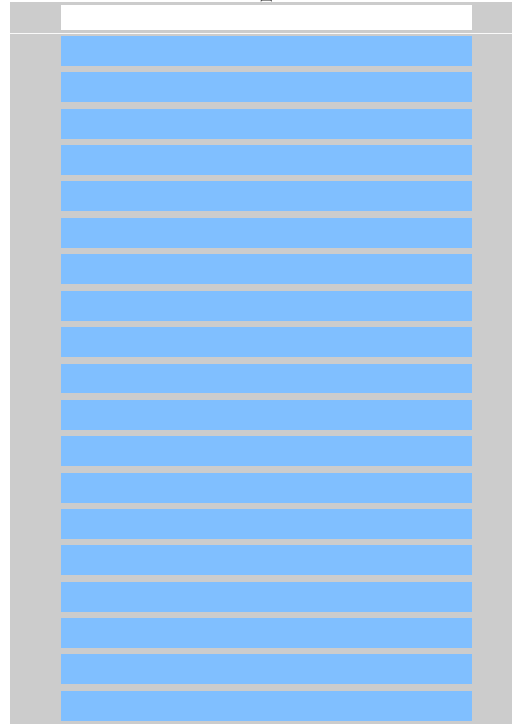
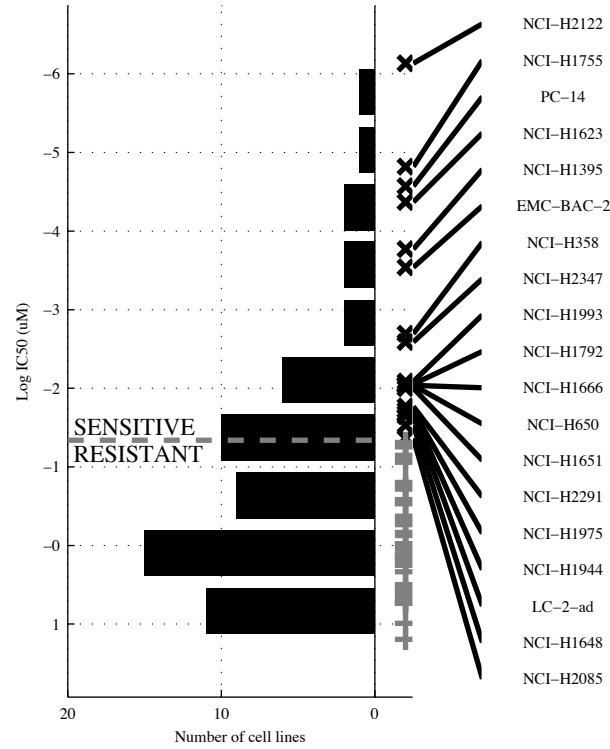


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>PTEN</b>	<b>PTEN &amp;</b>	<b>PTEN &amp; &amp;</b>	<b>-KRAS&amp;-STK11&amp; -a(MYC&amp;-d(FAT1</b>	<b>NF1   PTEN</b>	<b>[ -B2M &amp; PTEN ]   [ NF1 &amp;a(CUL2]</b>	<b>KDR   NF1   PTEN</b>	<b>KDR   NCOR1   NF1   PTEN</b>
TP   FP	1   0	1   0	1   0	3   9	2   2	2   0	4   3	5   3
Specificity	1	1	1	0.83	0.96	1	0.94	0.94
FP	0	0	0	0.25	0.5	0	0.57	0.63
Precision	1	1	1	0.43	0.29	1	0.57	0.71
FN   TN	6   52	6   52	6   52	4   43	5   50	5   52	3   49	2   49
Recall	0.14	0.14	0.14			0.29		

LUAD  
 id: 1261 name: rTRAIL  
 target: TR10A (DR4), TR10B (DR5) class: apoptosis regulation

59 cell lines  
 19 sensitive

Lung NSCLC 19/59

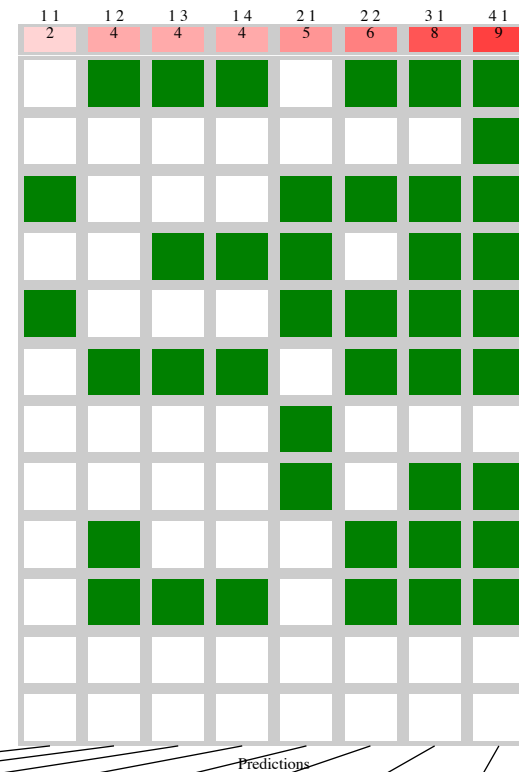
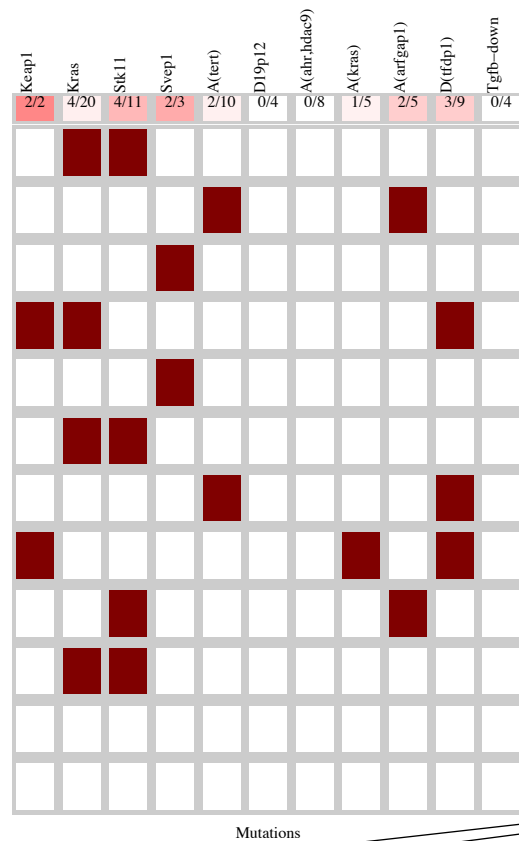
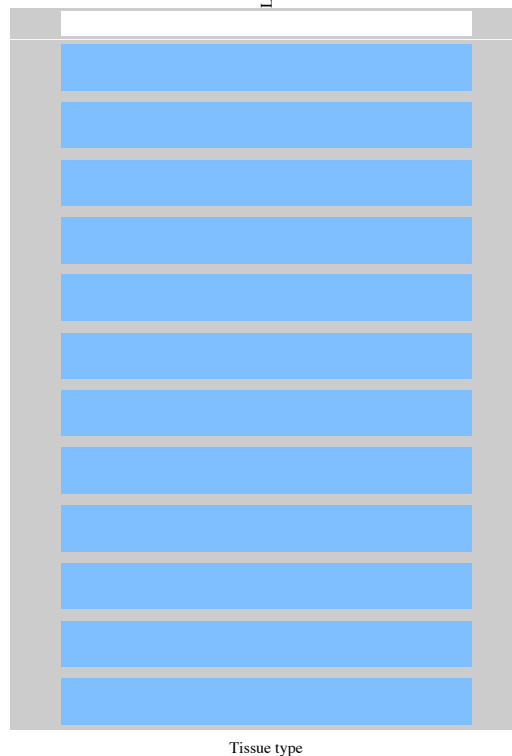
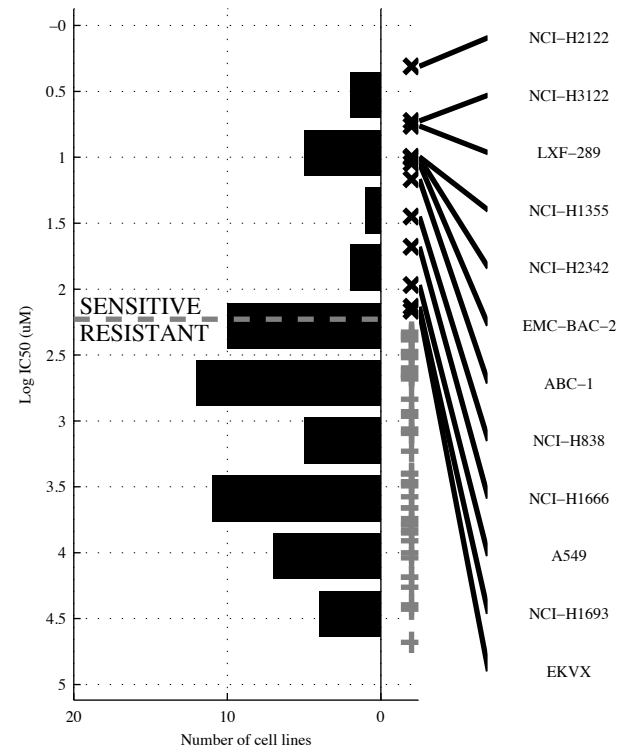


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>STK11</b>	<b>STK11 &amp; VEGF-U</b>	<b>¬CUL2 &amp; STK11 &amp; ¬a(EGFR</b>	<b>STK11 &amp; a(EGFR &amp; ¬a(CCND1 &amp; JAK-ST</b>	<b>SETD2   STK11</b>	<b>[ STK11 &amp; a(EGFR   ¬d(CDK1 &amp; a(TERT]</b>	<b>RBM10   SETD2   STK11</b>	<b>BRAF   RBM10   SETD2   PI3K o</b>
TP   FP	6   5	6   4	6   3	6   2	7   5	9   6	10   5	9   4
Specificity	0.88	0.9	0.93	0.95	0.88	0.85	0.88	0.9
FN   TN	13   35	13   36	13   37	13   38	12   35	10   34	9   35	10   36
Precision	0.55	0.6	0.67	0.75	0.58	0.6	0.67	0.69
Recall	0.32	0.32	0.32	0.32	0.37	0.47	0.53	0.47

LUAD  
 id: 1268 name: XAV 939  
 target: TNKS1 (tankyrase-1) class: WNT signaling

59 cell lines  
 12 sensitive

Lung NSCLC 12/59



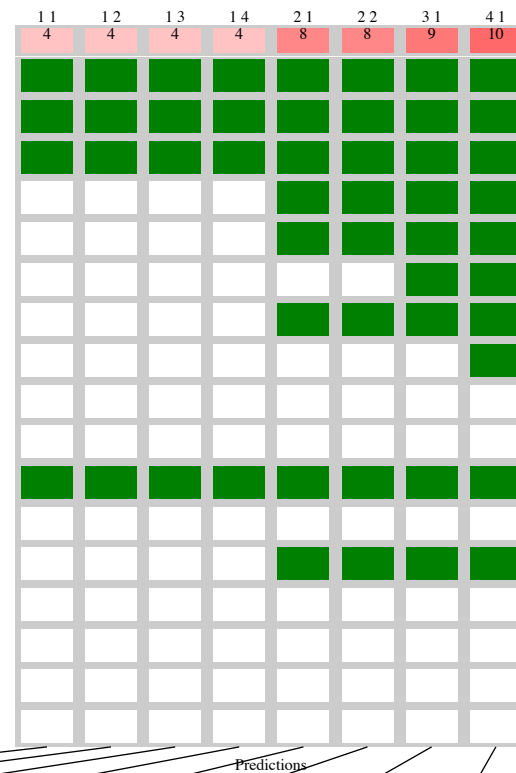
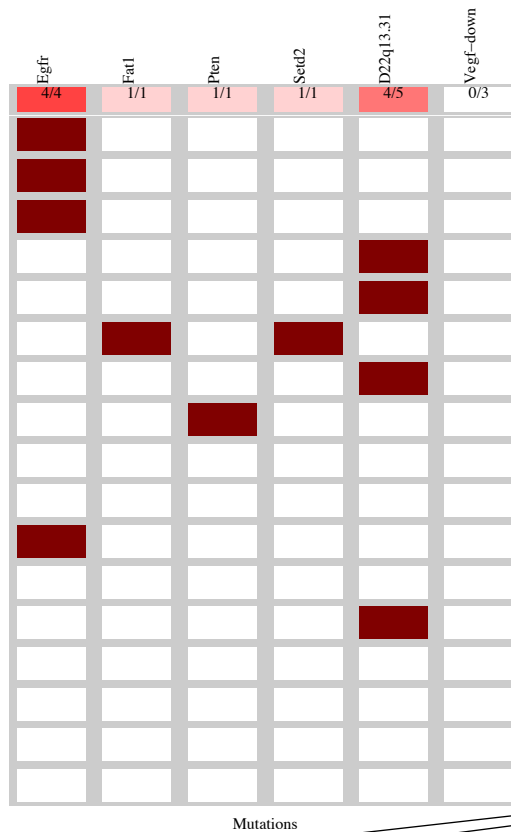
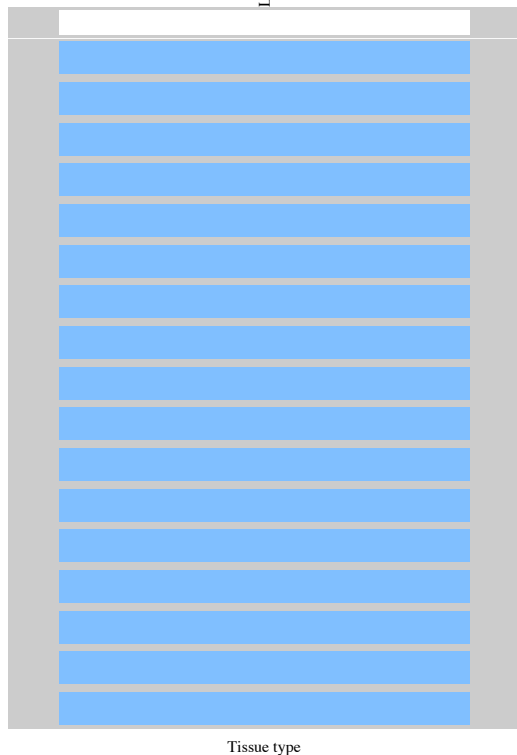
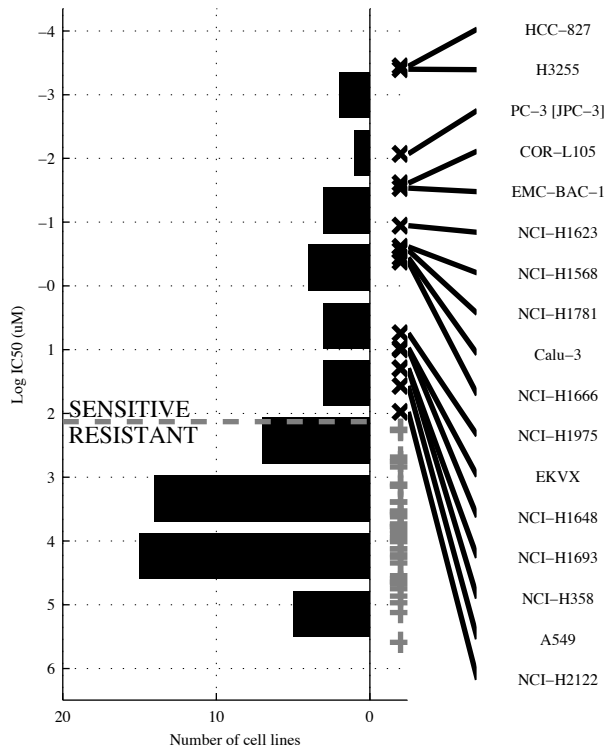
Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>SVEP1</b>		<b>STK11 &amp; ¬a(AHR,</b>		<b>KRAS &amp; ¬d19p12&amp;</b>		<b>KRAS &amp; ¬d19p12&amp;</b>		<b>SVEP1   d(TFDP</b>		<b>[ STK11 &amp; a(TERT]</b>		<b>KEAP1   STK11  </b>		<b>KEAP1   STK11  </b>	
					<b>¬a(KRAS</b>		<b>¬a(KRAS &amp; TGFB-D</b>				<b>[ SVEP1 &amp; ¬d19p12]</b>		<b>SVEP1</b>		<b>SVEP1   a(ARFG</b>	
TP   FP Specificity	2   1	0.98	4   5	0.89	4   9	0.81	4   8	0.83	5   7	0.85	6   5	0.89	8   8	0.83	9   9	0.81
FN   TN Precision	10   46	0.67	8   42	0.44	8   38	0.31	8   39	0.33	7   40	0.42	6   42	0.55	4   39	0.5	3   38	0.5
Recall		0.17		0.33		0.33		0.33		0.42		0.5		0.67		0.75



LUAD  
 id: 1377 name: Afatinib (rescreen)  
 target: ERBB2, EGFR class: EGFR signaling

57 cell lines  
 17 sensitive

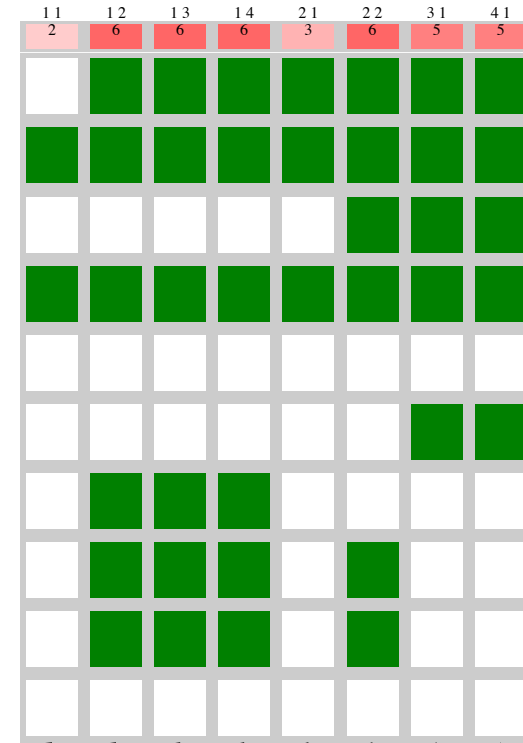
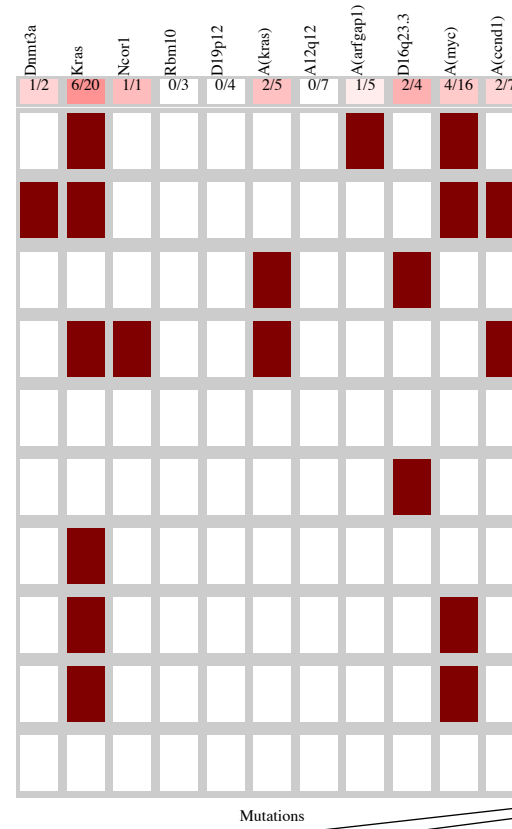
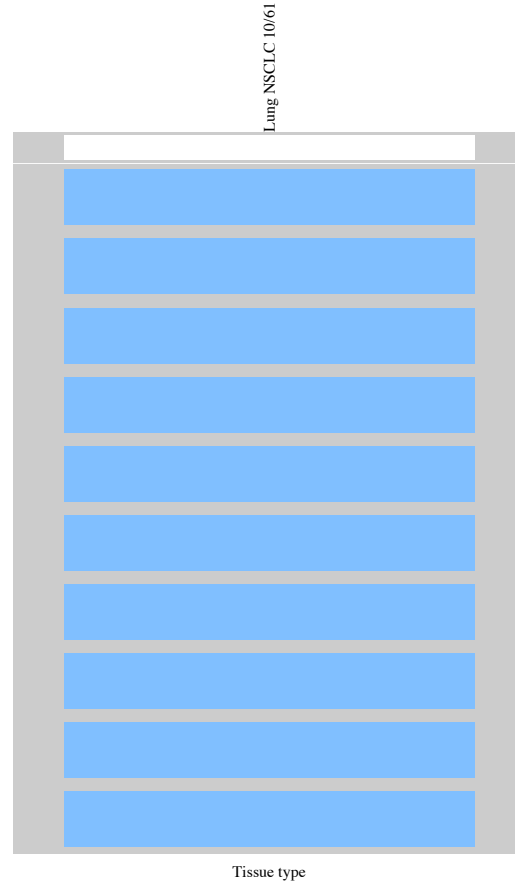
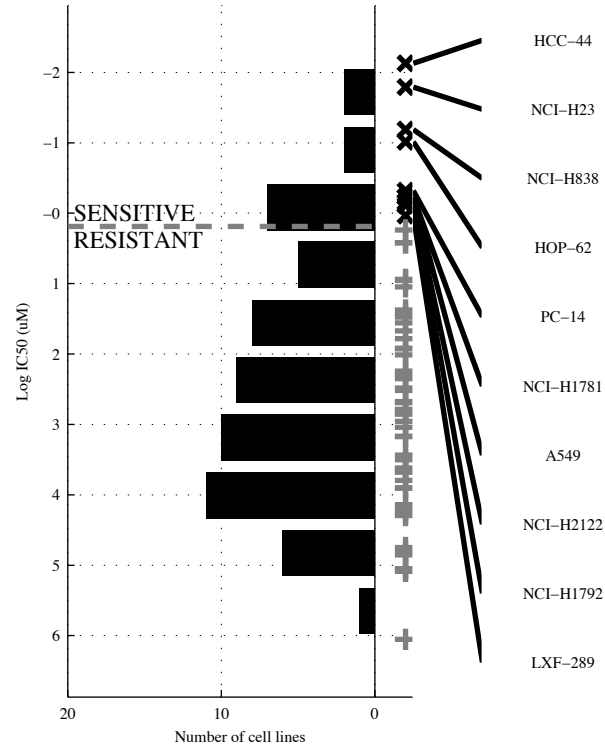
Lung NSCLC 17/57



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>EGFR</b>	<b>EGFR &amp;</b>	<b>EGFR &amp; &amp;</b>	<b>EGFR &amp; &amp;</b>	<b>EGFR   d22q13</b>	[ <b>EGFR &amp;</b> ]   [ <b>d22q13 &amp; VEGF-I</b> ]	<b>EGFR   FAT1  </b>  <b>d22q13</b>	<b>EGFR   PTEN  </b>  <b>SETD2   d22q13</b>
TP   FP FN   TN	4   0 13   40	4   0 13   40	4   0 13   40	4   0 13   40	8   1 9   39	8   0 9   40	9   1 8   39	10   1 7   39
Specificity					0.97		0.97	0.97
Precision					0.89		0.9	0.91
Recall	0.24	0.24	0.24	0.24	0.47	0.47	0.53	0.59

LUAD  
 id: 1378 name: Bleomycin (50 uM)  
 target: DNA damage class: DNA replication

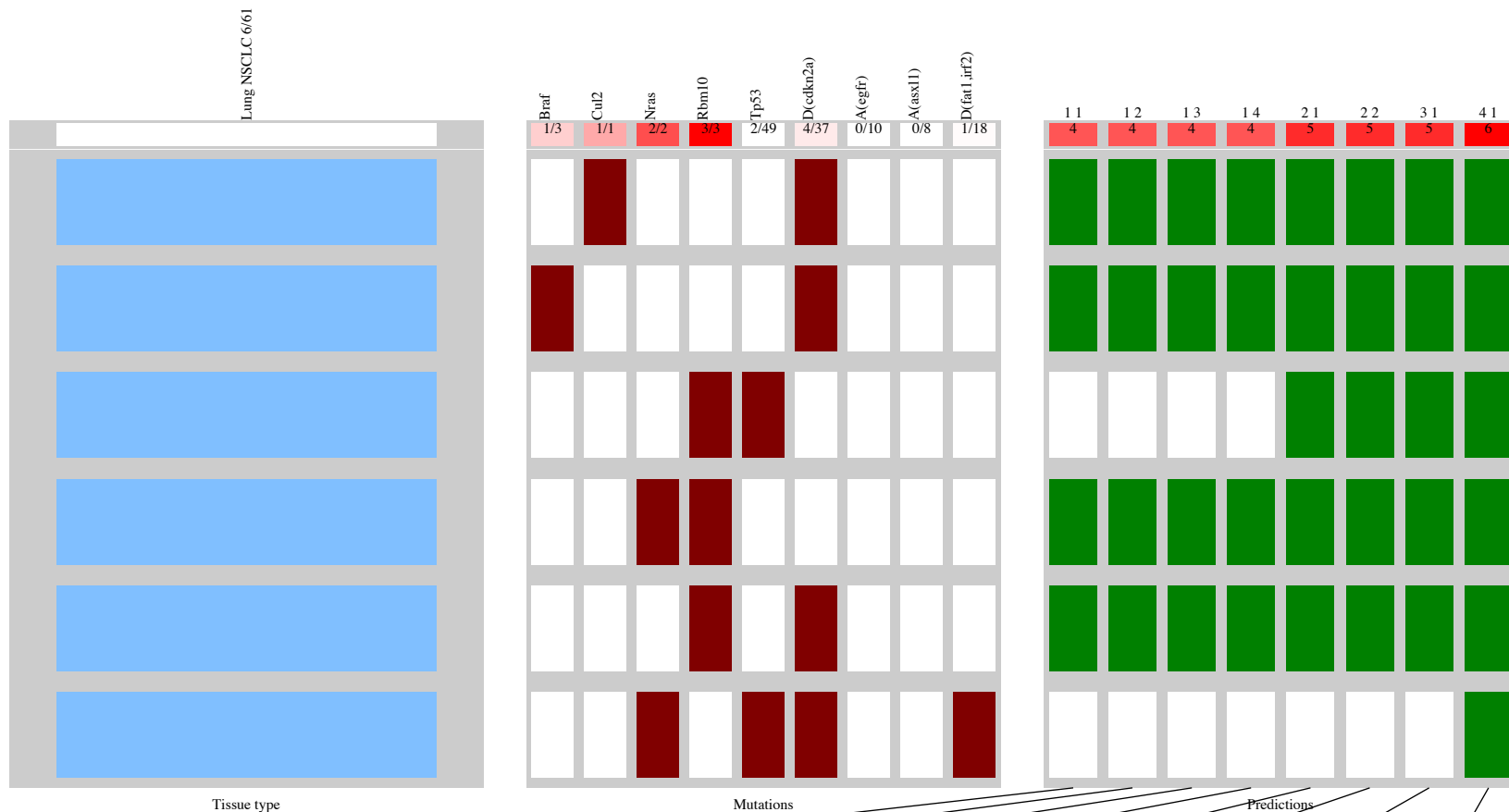
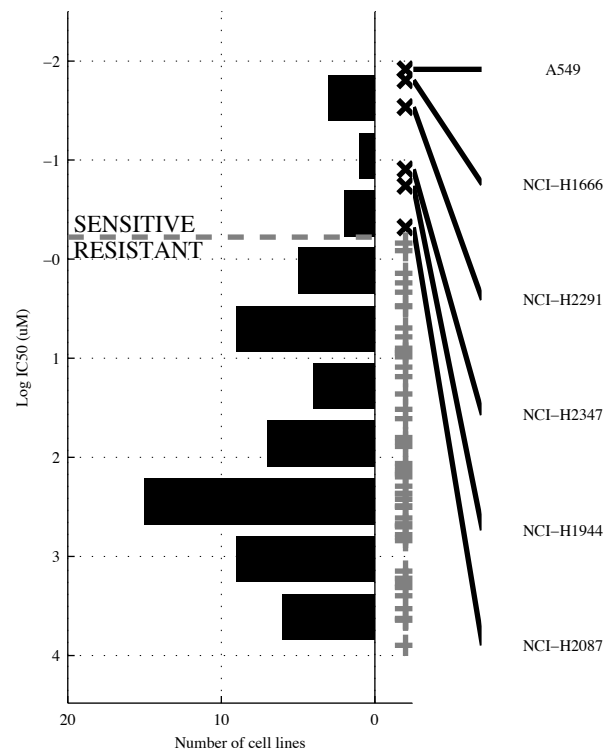
61 cell lines  
 10 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	a(CCND)	KRAS & ¬a12q12	KRAS & ¬d19p12 & ¬a12q12	KRAS & ¬RBM10 & ¬d19p12 & ¬a12q12	a(ARFG)   a(CCND)	[ KRAS & a(MYC) ]   [ a(KRAS & ¬a12q12) ]	a(ARFG)   d16q23   a(CCND)	DNMT3A   NCOR1   a(ARFG)   d16q23
TP   FP Specificity FN   TN Precision Recall	2   5 0.9 8   46 0.29 0.2	6   10 0.8 4   41 0.38 0.6	6   7 0.86 4   44 0.46 0.6	6   5 0.9 4   46 0.55 0.6	3   8 0.84 7   43 0.27 0.3	6   2 0.96 4   49 0.75 0.6	5   10 0.8 5   41 0.33 0.5	5   7 0.86 5   44 0.42 0.5

LUAD  
 id: 1498 name: AZD6244  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

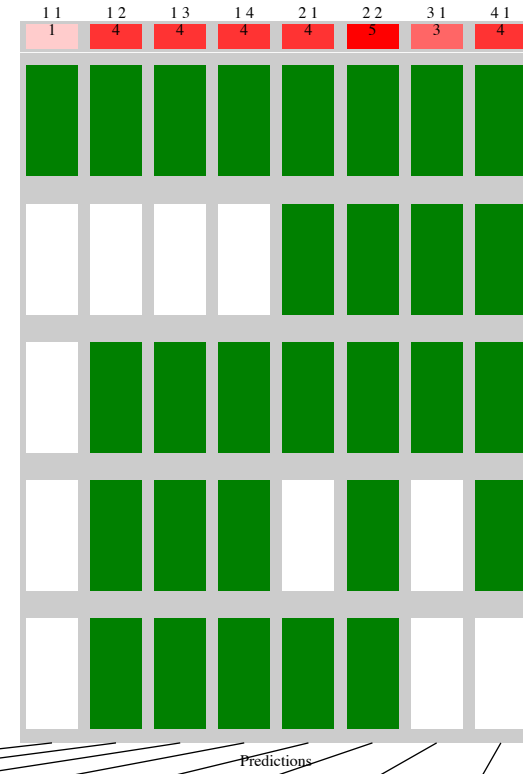
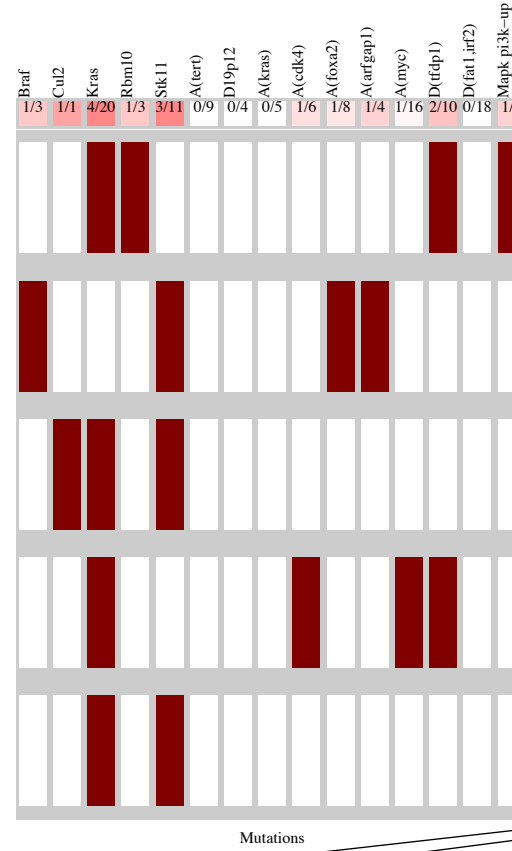
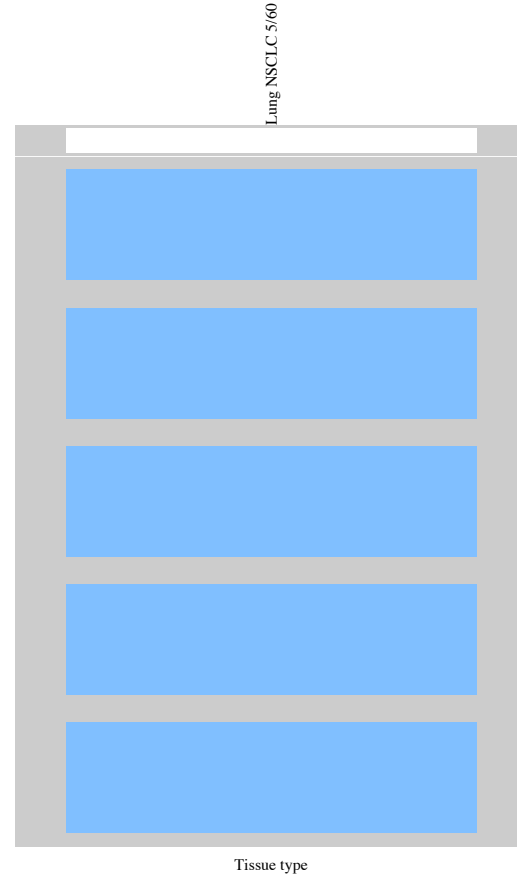
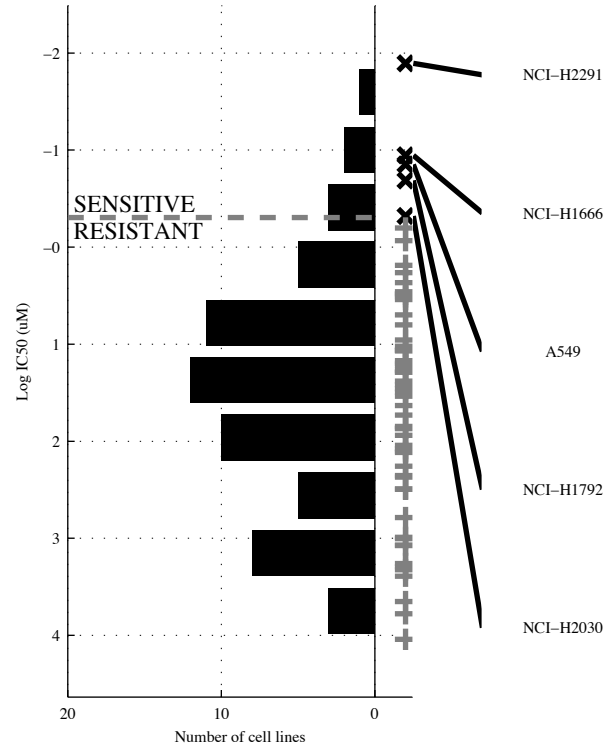
61 cell lines  
 6 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	M															
Logic formula	<b>-TP53</b>		<b>-TP53 &amp; a(EGFR)</b>		<b>-TP53 &amp; a(EGFR)</b>		<b>-TP53 &amp; a(EGFR)</b>		<b>RBM10   -TP53</b>		<b>[ RBM10 &amp; a(EGFR) ]</b>		<b>BRAF   CUL2   RBM10</b>		<b>BRAF   CUL2   NRAS   RBM10</b>	
TP   FP Specificity	4   8	0.85	4   5	0.91	4   2	0.96	4   1	0.98	5   8	0.85	5   4	0.93	5   2	0.96	6   2	0.96
FN   TN Precision	2   47	0.33	2   50	0.44	2   53	0.67	2   54	0.8	1   47	0.38	1   51	0.56	1   53	0.71	0   53	0.75
Recall	0.67		0.67		0.67		0.67		0.83		0.83		0.83		1	

LUAD  
 id: 1526 name: RDEA119 (rescreen)  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

60 cell lines  
 5 sensitive

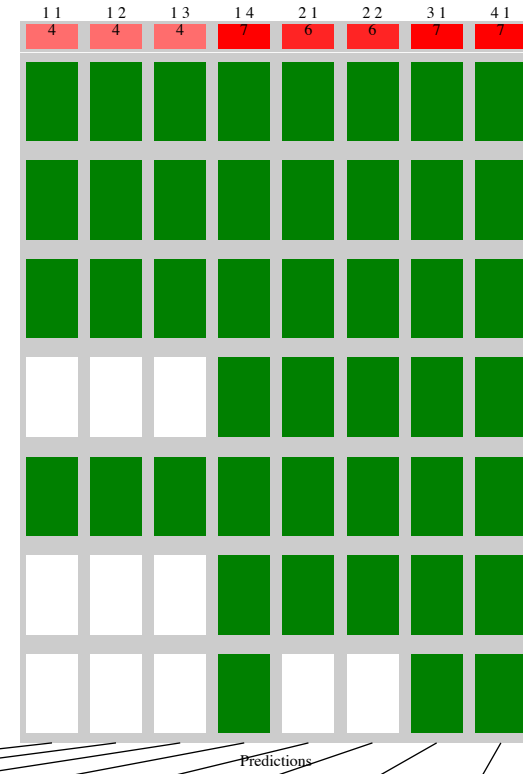
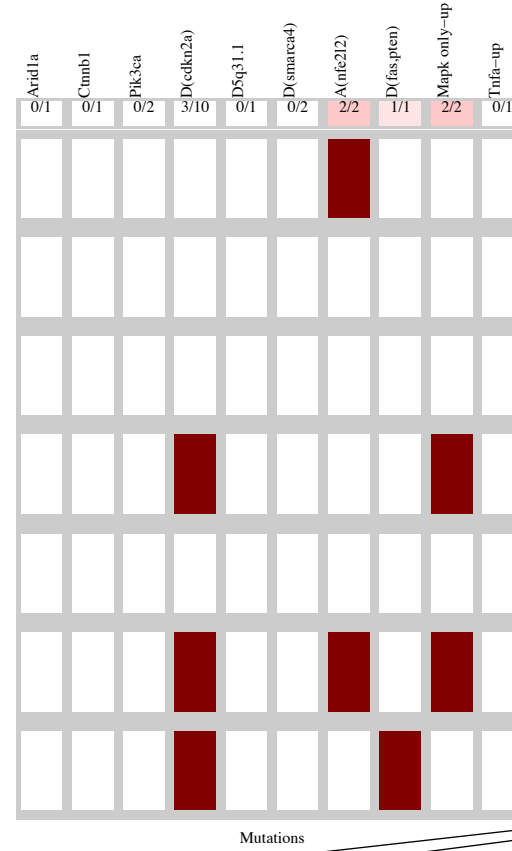
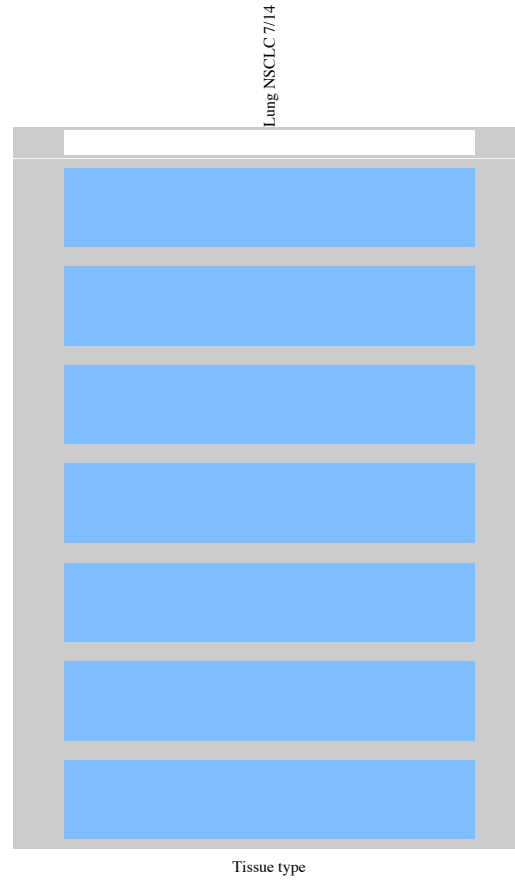
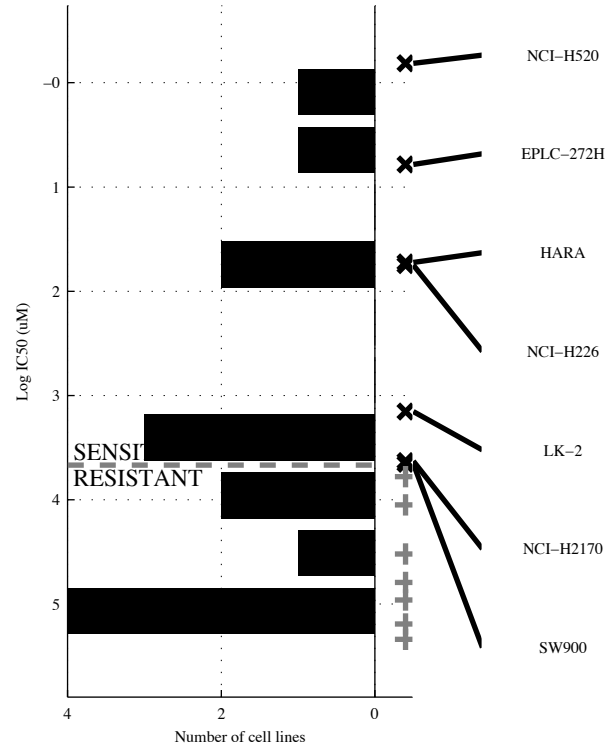


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>RBM10</b>	<b>KRAS &amp;a(TERT)</b>	<b>KRAS &amp;a(FOX&amp;</b> <b>-d(FAT1</b>	<b>KRAS &amp;-d19p12&amp;</b> <b>-a(KRAS&amp;-d(FAT1</b>	<b>STK11   MAPK P</b>	<b>[ KRAS &amp;d(TFDP ]</b> <b> </b> <b>[ STK11 &amp;a(MYC) ]</b>	<b>BRAF   CUL2  </b> <b>RBM10</b>	<b>CUL2   RBM10  </b> <b>a(CDK4   a(ARFG</b>
TP   FP Specificity	1   2 0.96	4   11 0.8	4   10 0.82	4   6 0.89	4   10 0.82	5   5 0.91	3   4 0.93	4   9 0.84
FN   TN Precision	4   53 0.33	1   44 0.27	1   45 0.29	1   49 0.4	1   45 0.29	0   50 0.5	2   51 0.43	1   46 0.31
Recall	0.2	0.8	0.8	0.8	0.8	1	0.6	0.8



LUSC  
 id: 300 name: CX-5461  
 target: RNA Pol I class: other

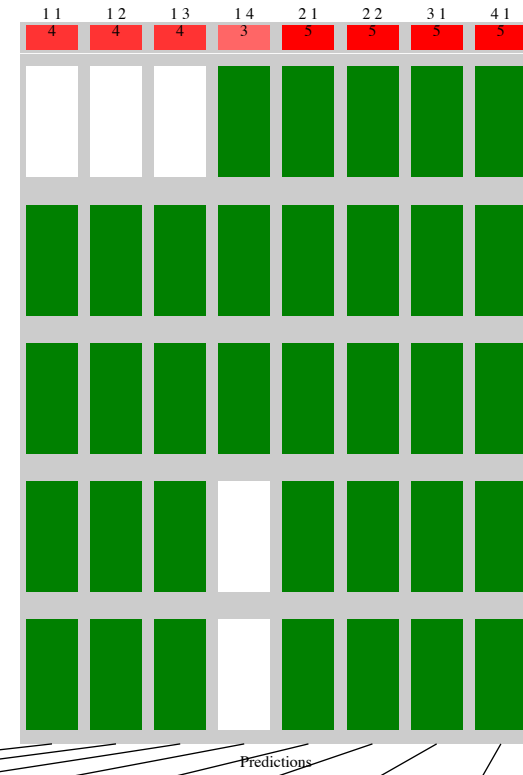
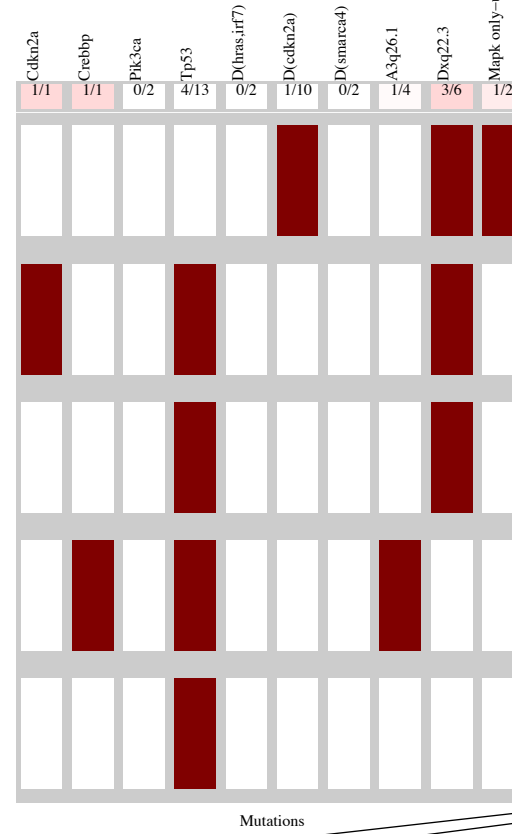
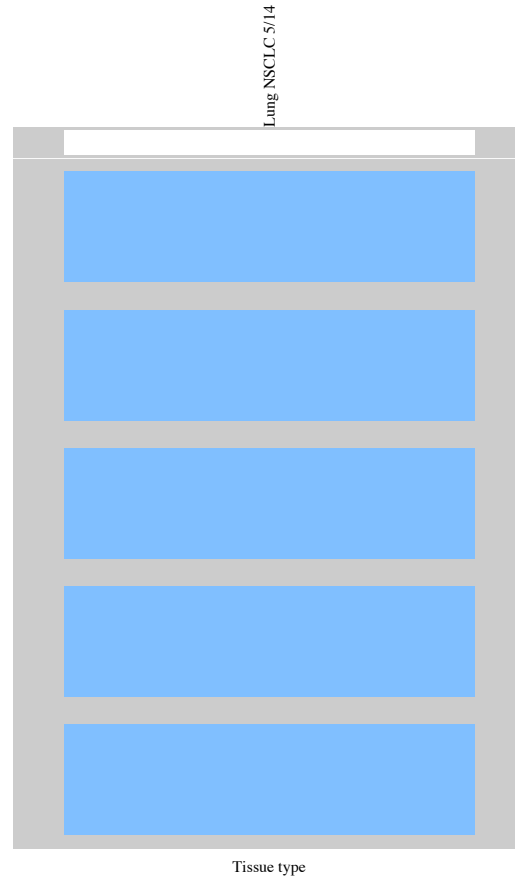
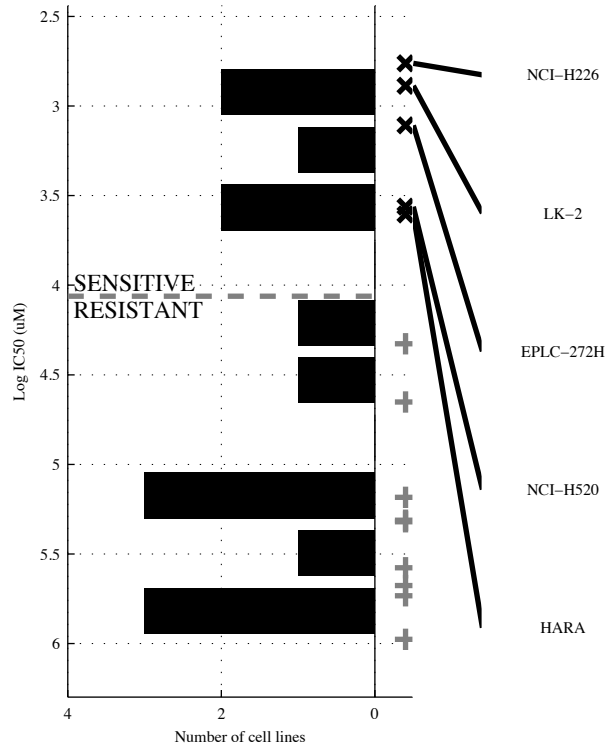
14 cell lines  
 7 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	$\neg d(\text{CDKN})$	$\neg d(\text{CDKN})$	$\neg \text{ARID1} \& d(\text{CDKN})$	$\neg \text{ARID1} \& \text{PIK3C} \&$	$\neg d(\text{CDKN}) \text{MAPK } o$	$[ \neg d(\text{CDKN}) \& \text{TNFa-U} ]$	$\neg d(\text{CDKN}) \text{ d(FAS, l} ]$	$\neg d(\text{CDKN}) \text{ a(NFE2 l} ]$
TP   FP	4   0	4   0	4   0	7   1	6   0	6   0	7   0	7   0
FN   TN	3   7	3   7	3   7	0   6	1   7	1   7	0   7	0   7
Specificity	1	1	1	0.86	1	1	1	1
Precision	1	1	1	0.88	1	1	1	1
Recall	0.57	0.57	0.57	1	0.86	0.86	1	1

LUSC  
 id: 309 name: Y-39983  
 target: ROCK class: cytoskeleton

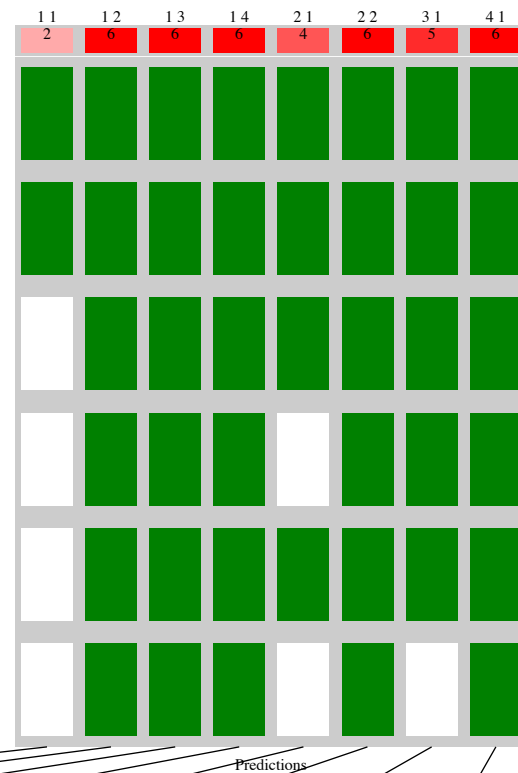
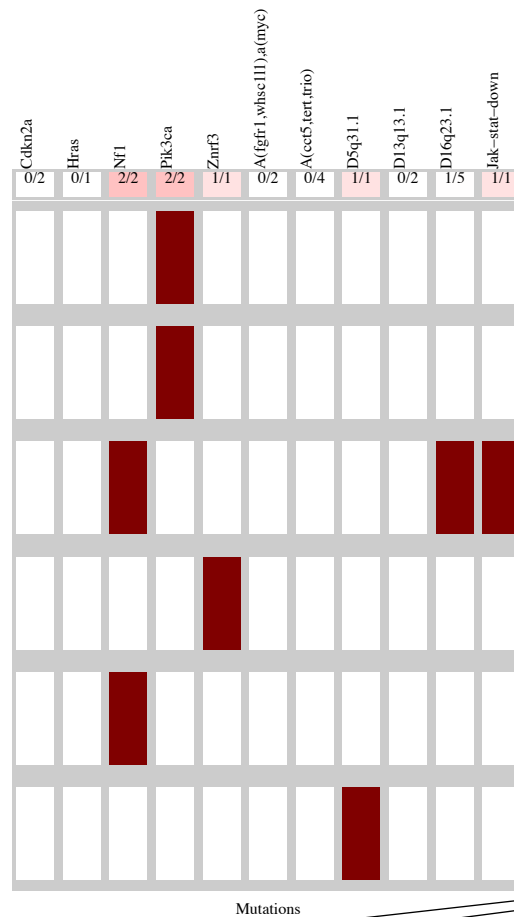
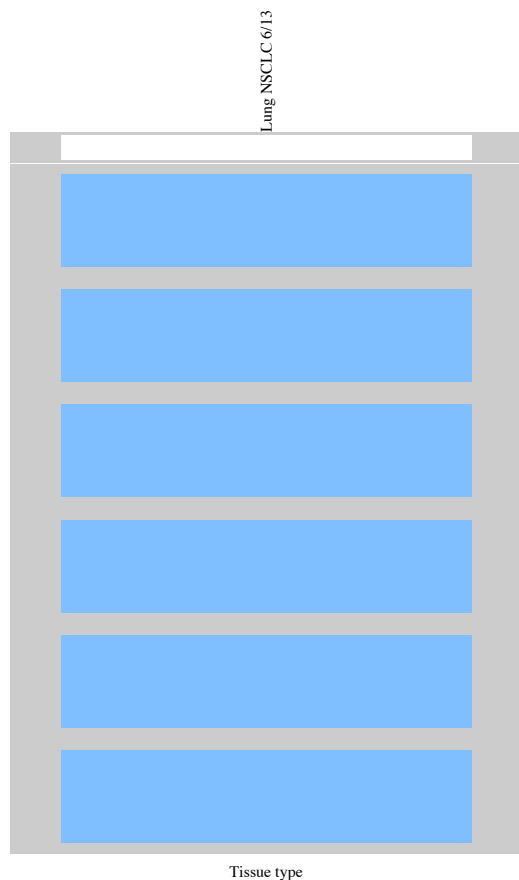
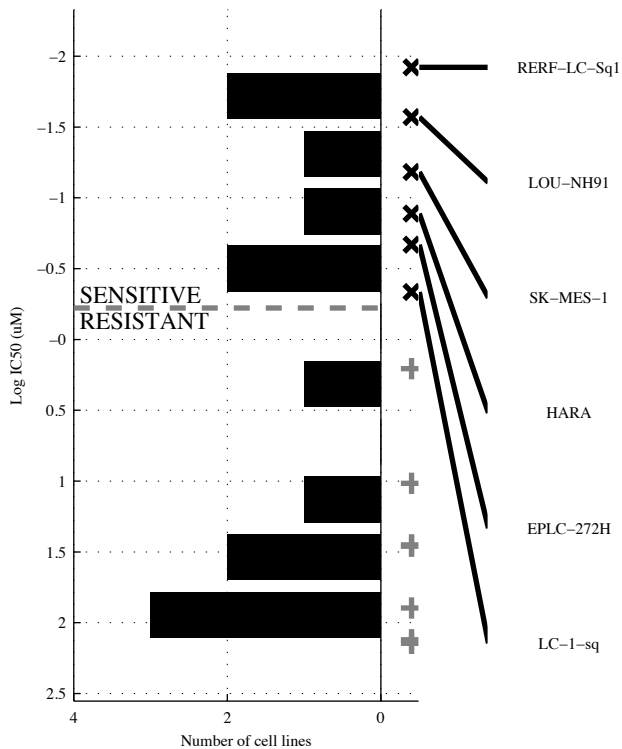
14 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>-d(CDKN)</b>	<b>-d(CDKN)</b>	<b>-d(CDKN)</b> & <b>d(HRA)</b>	<b>-PIK3C</b> & <b>d(HRA)</b> & <b>-d(SMA)</b> & <b>dXq22.</b>	<b>-TP53</b> & <b>d(CDKN)</b>	<b>[d(CDKN) &amp; d(XQ22.3)]</b>   <b>[~a3q26.&amp;MAPK o]</b>	<b>-TP53</b> & <b>d(CDKN)</b>	<b>CDKN2AICREBBP1</b>  <b>-TP53</b> & <b>d(CDKN)</b>
TP   FP	4   0	4   0	4   0	3   0	5   0	5   0	5   0	5   0
FN   TN	1   9	1   9	1   9	2   9	0   9	0   9	0   9	0   9
Specificity	1	1	1	1	1	1	1	1
Precision	1	1	1	1	1	1	1	1
Recall	0.8	0.8	0.8	0.6	1	1	1	1

LUSC  
 id: 1032 name: Afatinib  
 target: ERBB2, EGFR class: EGFR signaling

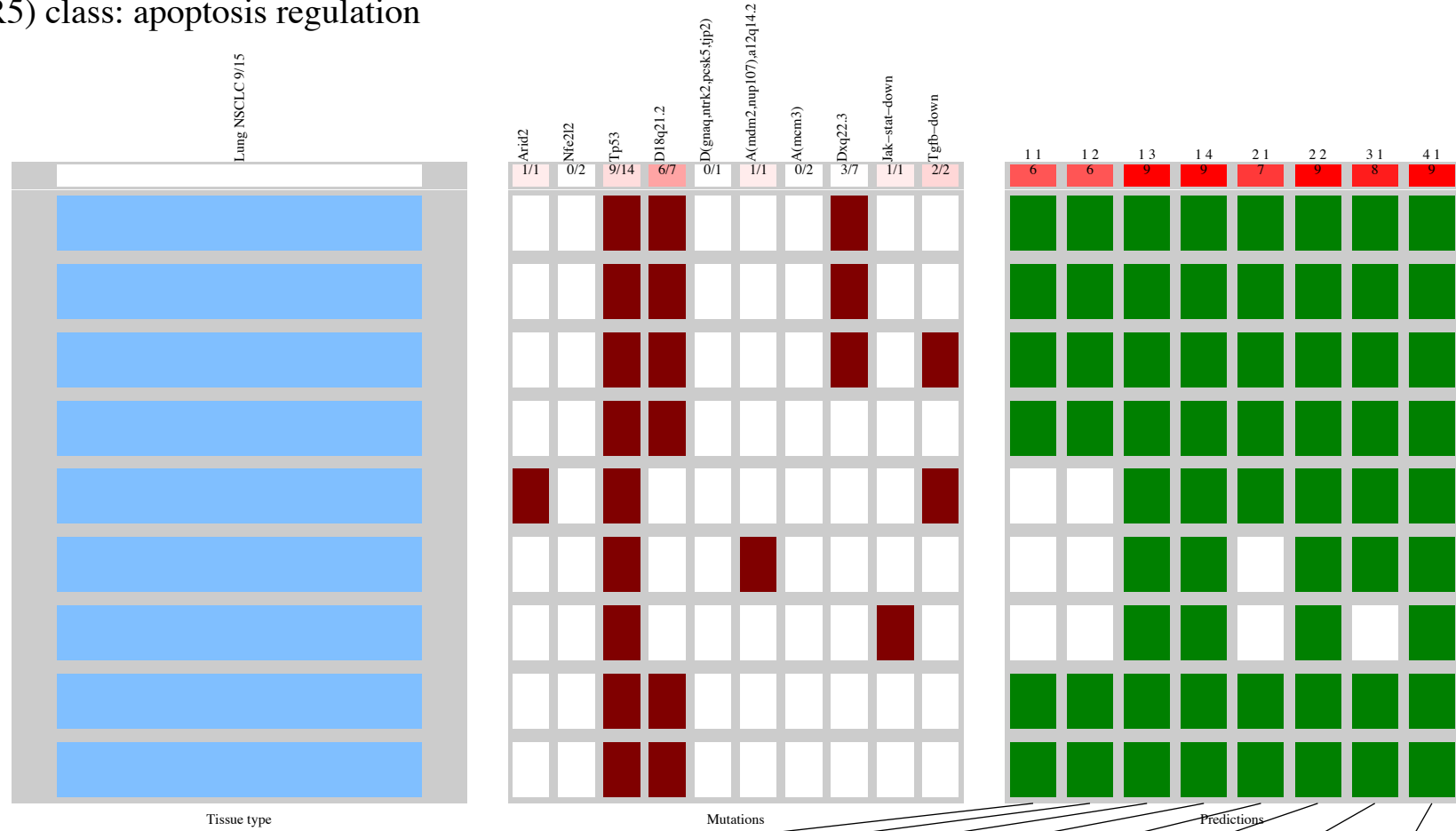
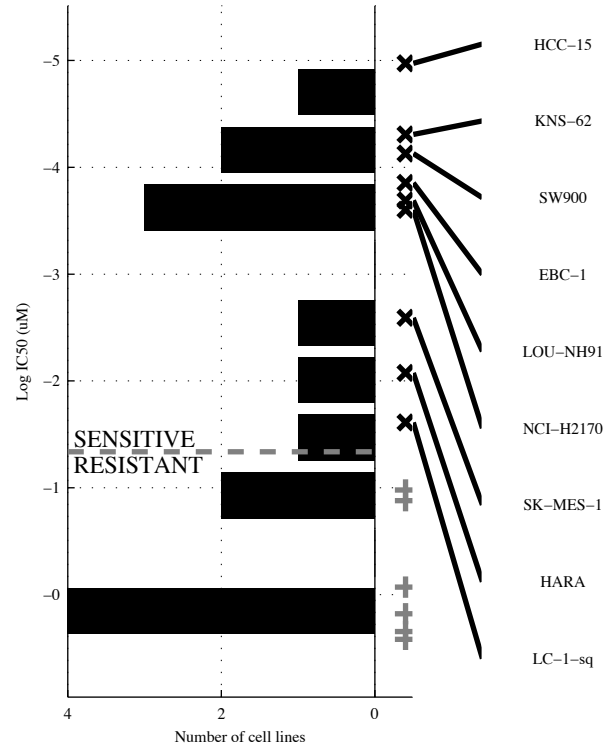
13 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>PIK3CA</b>	<b>~a(CCT3&amp;~d13q13</b>	<b>~CDKN2&amp;a(CCT3&amp;~d13q13</b>	<b>~HRAS&amp;a(CCT3&amp;~d13q13&amp;</b>	<b>NF1  PIK3CA</b>	<b>[~a(CCT3&amp;~d16q23]  </b> <b>[~a(FGFR&amp;JAK-ST]</b>	<b>NF1  PIK3CA  </b> <b>ZNRF3</b>	<b>NF1  PIK3CA  </b> <b>ZNRF3   d5q31.</b>
TP   FP	2   0	6   1	6   0	6   0	4   0	6   0	5   0	6   0
FN   TN	4   7	0   6	0   7	0   7	2   7	0   7	1   7	0   7
Specificity	1	0.86	1	1	1	1	1	1
Precision	1	0.86	1	1	1	1	1	1
Recall	0.33	1	1	1	0.67	1	0.83	1

LUSC  
 id: 1261 name: rTRAIL  
 target: TR10A (DR4), TR10B (DR5) class: apoptosis regulation

15 cell lines  
 9 sensitive

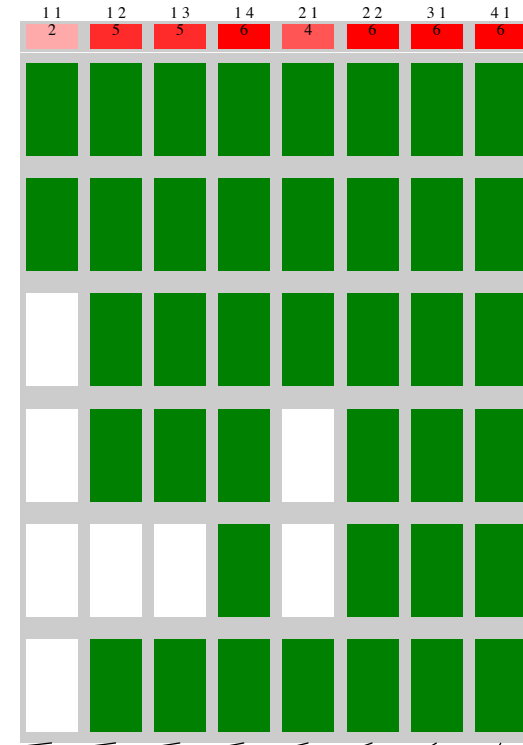
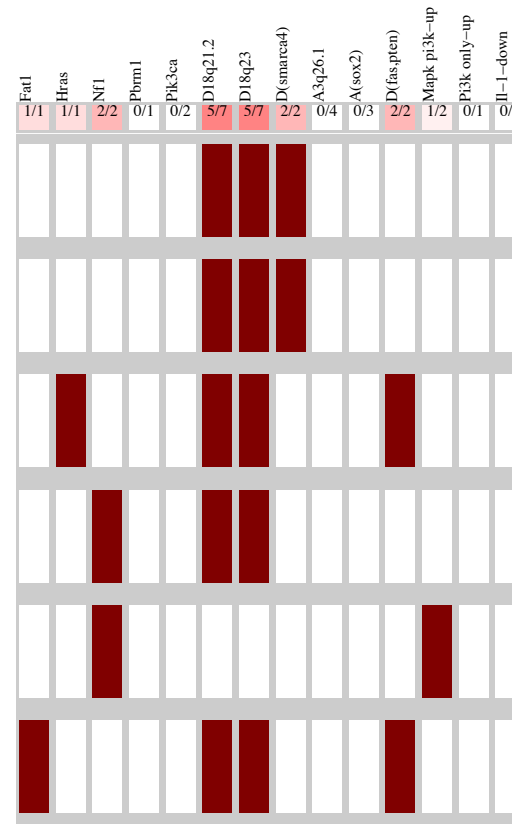
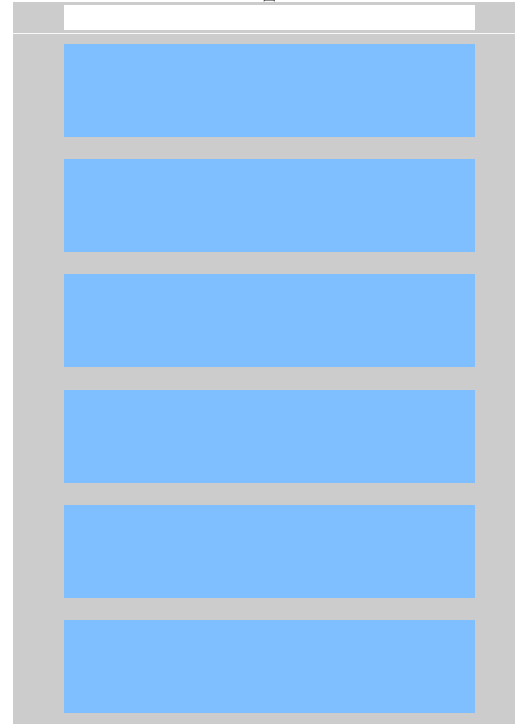
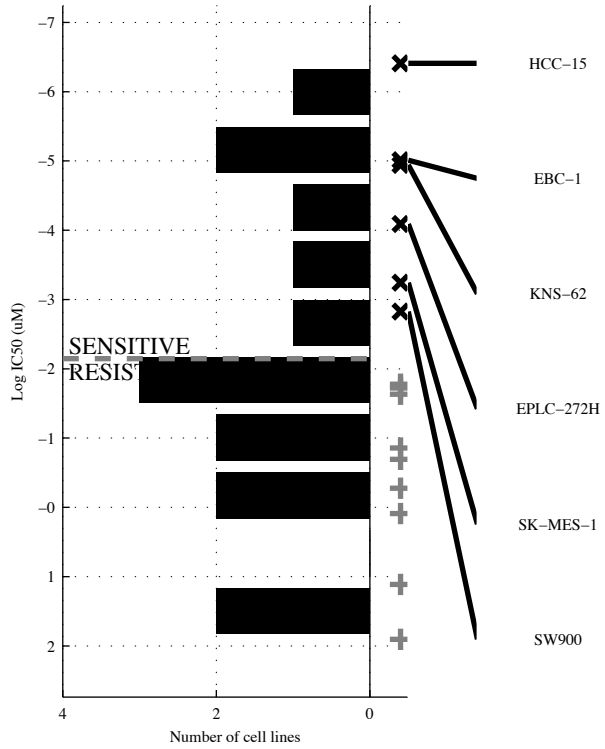


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d18q21</b>	<b>d18q21 &amp; d(GNAQ)</b>	<b>-NFE2L &amp; TP53 &amp; -a(MCM3)</b>	<b>-NFE2L &amp; TP53 &amp; -d(GNAQ &amp; a(MCM3)</b>	<b>d18q21   TGFB-D</b>	<b>[ d18q21 &amp; d(GNAQ   -a(MCM3 &amp; -dXq22.)</b>	<b>d18q21   a(MDM2)   TGFB-D</b>	<b>ARID2   d18q21   a(MDM2)   JAK-ST</b>
TP   FP	6   1	6   0	9   1	9   0	7   1	9   0	8   1	9   1
Specificity	0.83	1	0.83	1	0.83	1	0.83	0.83
FN   TN	3   5	3   6	0   5	0   6	2   5	0   6	1   5	0   5
Precision	0.86	1	0.9	1	0.88	1	0.89	0.9
Recall	0.67	0.67	1	1	0.78	1	0.89	1

LUSC  
 id: 1372 name: Trametinib  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

15 cell lines  
 6 sensitive

Lung NSCLC 6/15

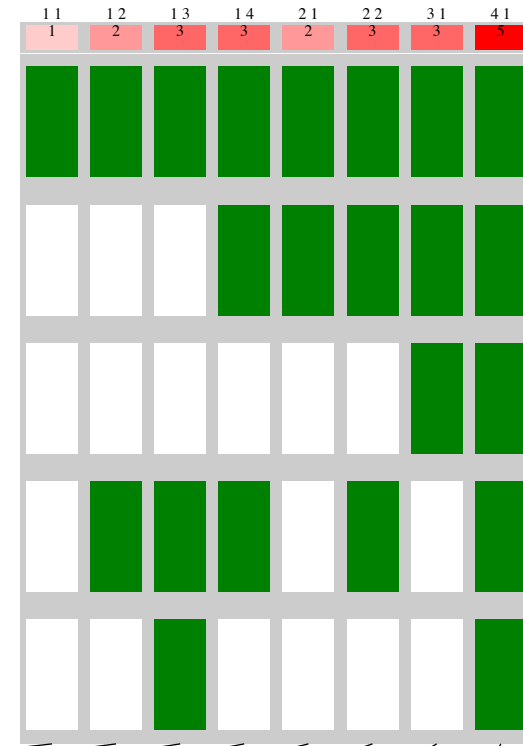
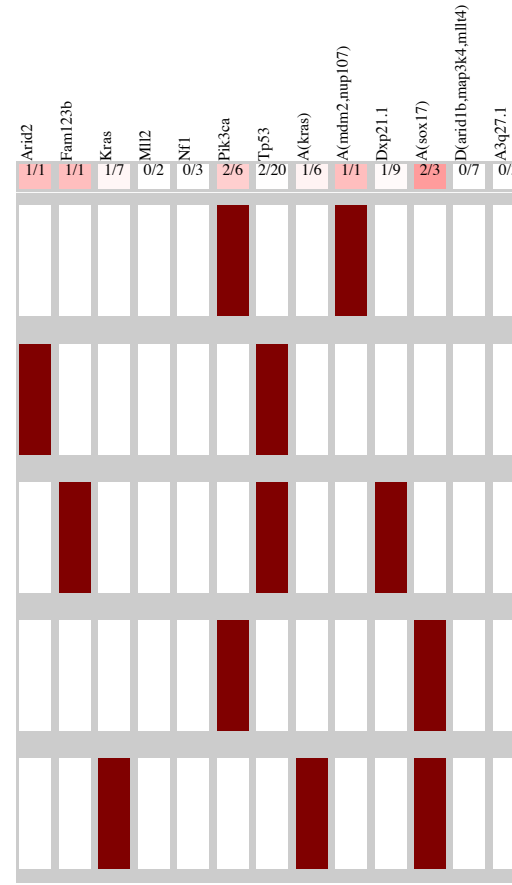
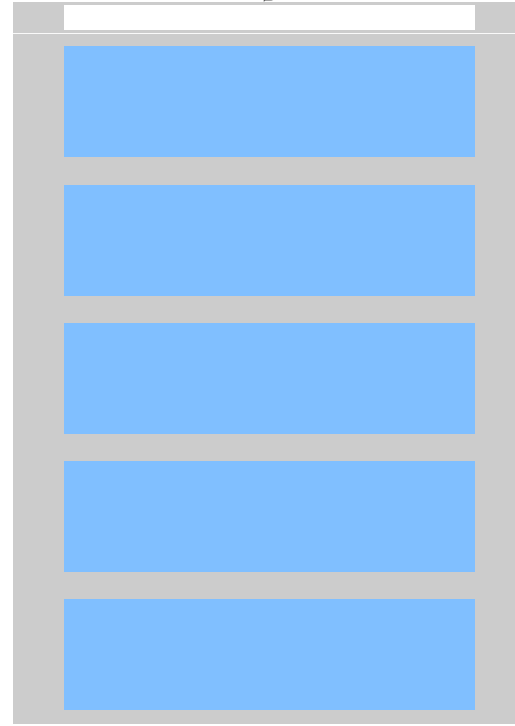
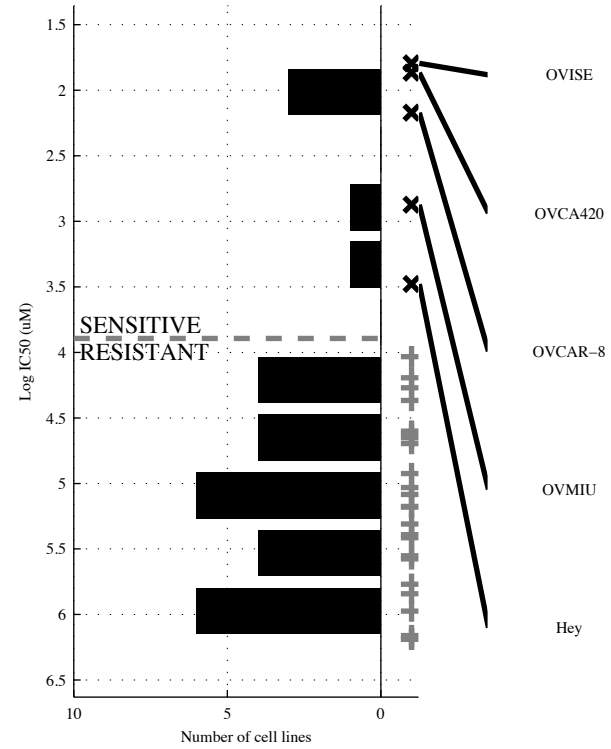


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d(SMAR</b>	<b>d18q23 &amp; <del>~</del>a(SOX2</b>	<b><del>~</del>PIK3C &amp; d18q23 &amp; <del>~</del>IL-1-D</b>	<b><del>~</del>PBRM1 &amp; PIK3C &amp; <del>~</del>a3q26.1 &amp; <del>~</del>PI3K o</b>	<b>d(SMAR1 d(FAS,</b>	<b>[ d18q21 &amp; d18q23 ]   [-PBRM1 &amp; MAPK P]</b>	<b>NF1   d(SMAR1 d(FAS,</b>	<b>FAT1   HRAS   NF1   d(SMAR</b>
TP   FP	2   0	5   1	5   0	6   1	4   0	6   1	6   0	6   0
FN   TN	4   9	1   8	1   9	0   8	2   9	0   8	0   9	0   9
Specificity		0.89		0.89		0.89		
Precision		0.83		0.86		0.86		
Recall	0.33	0.83	0.83	1	0.67	1	1	1

OV  
 id: 265 name: Tubastatin A  
 target: HDAC6 class: chromain histone acetylation

29 cell lines  
 5 sensitive

Urogenital system 5/29

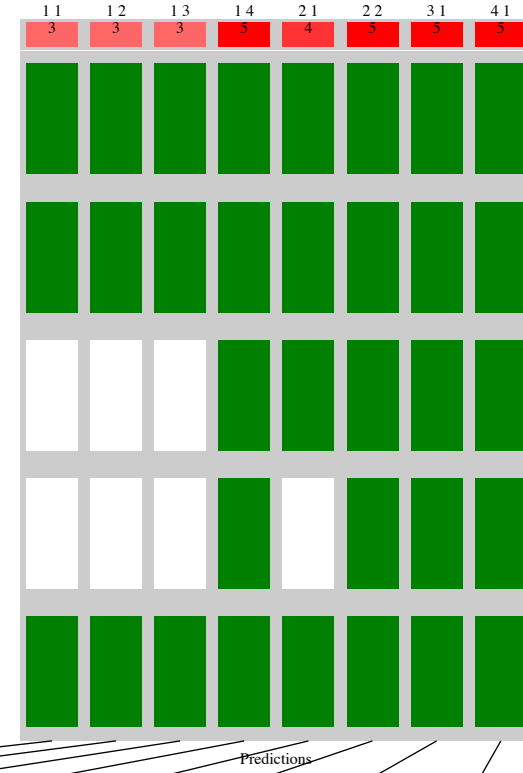
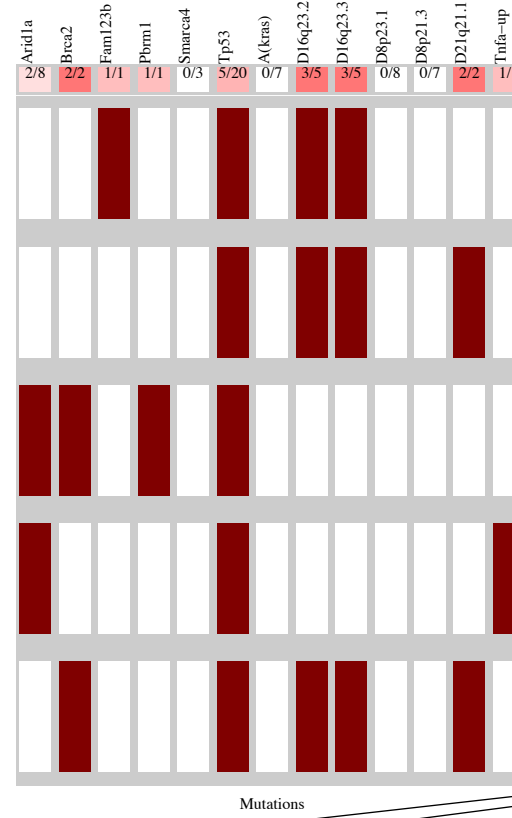
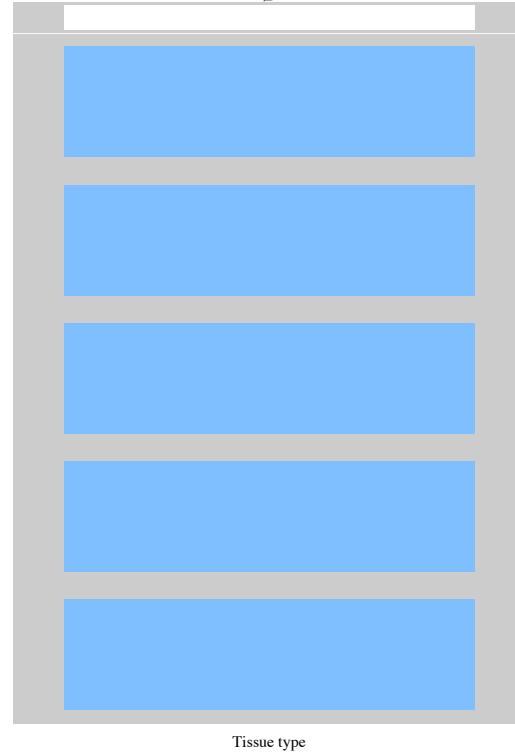
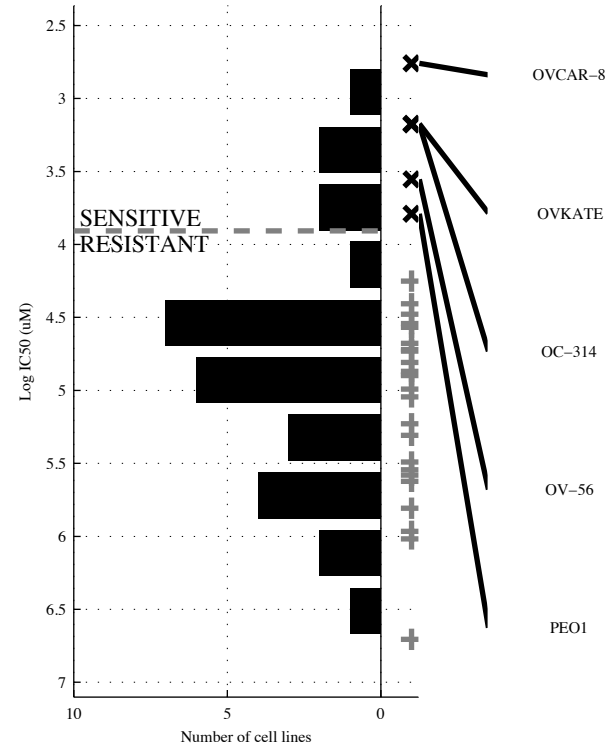


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a(MDM2)</b>	<b>~MLL2&amp;PIK3CA</b>	<b>~NF1 &amp; ~TP53 &amp; ~a3q27.</b>	<b>~KRAS&amp;a(KRAS) &amp; ~dXp21&amp;~d(ARID)</b>	<b>ARID2   a(MDM2)</b>	<b>[ ARID2 &amp; ]   [ ~MLL2&amp;PIK3CA ]</b>	<b>ARID2   FAM123   a(MDM2)</b>	<b>ARID2   FAM123   a(MDM2)   a(SOX1)</b>
TP   FP	1   0	2   2	3   2	3   4	2   0	3   2	3   0	5   1
Specificity	1	0.92	0.92	0.83	1	0.92	1	0.96
FN   TN	4   24	3   22	2   22	2   20	3   24	2   22	2   24	0   23
Precision	1	0.5	0.6	0.43	1	0.6	1	0.83
Recall	0.2	0.4	0.6	0.6	0.4	0.6	0.6	1

OV  
 id: 290 name: KIN001-260  
 target: IKK class: other

29 cell lines  
 5 sensitive

Urogenital system 5/29

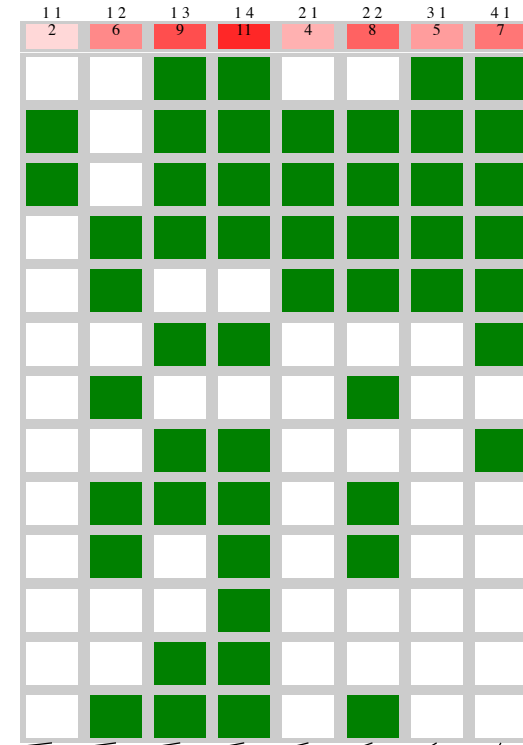
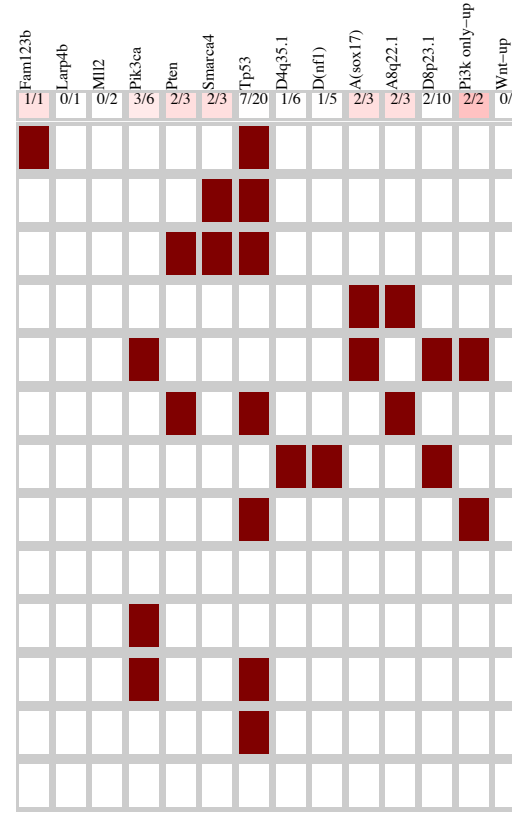
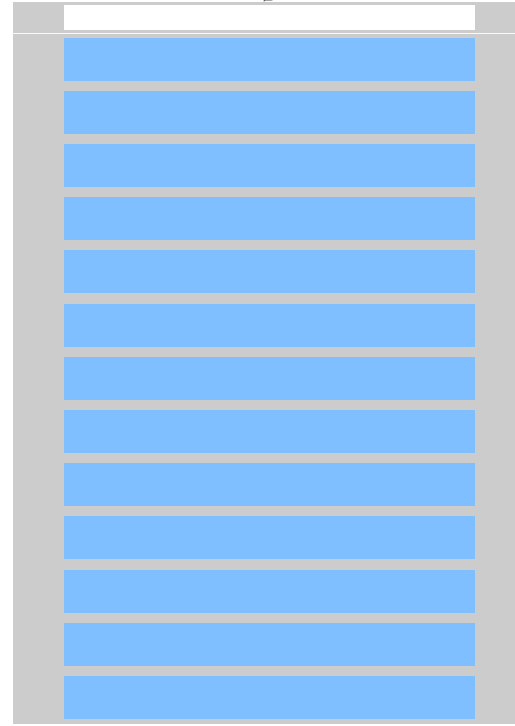
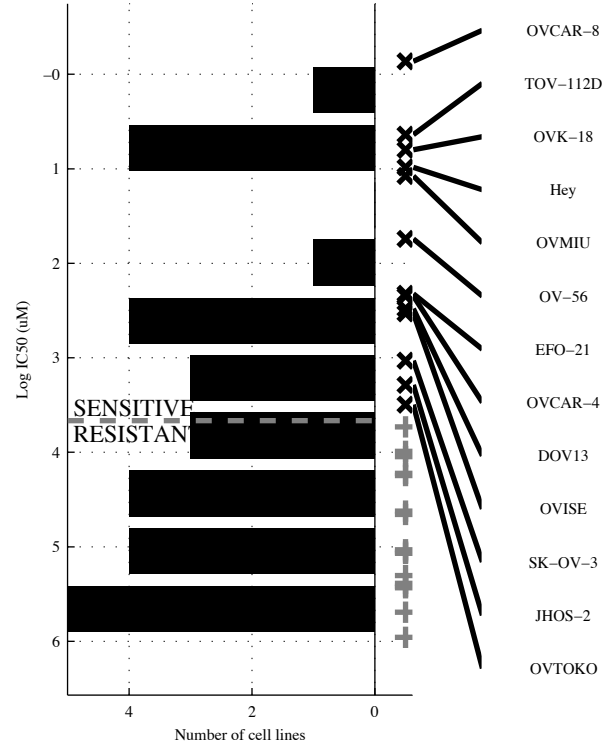


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d16q23</b>	<b>d16q23 &amp; -d8p21.</b>	<b>-SMARC &amp; d16q23 &amp; -d8p21.</b>	<b>-SMARC &amp; TP53 &amp; -a(KRA &amp; -d8p21.</b>	<b>BRCA2   d16q23</b>	<b>[ d16q23 &amp; -d8p23. ]   [ ARID1A &amp; TP53 ]</b>	<b>PBRM1   d16q23   TNFa-U</b>	<b>FAM123  PBRM1   d21q21   TNFa-U</b>
TP   FP Specificity	3   2 0.92	3   0 1	3   0 1	5   4 0.83	4   2 0.92	5   2 0.92	5   2 0.92	5   0 1
FN   TN Precision	2   22 0.6	2   24 1	2   24 1	0   20 0.56	1   22 0.67	0   22 0.71	0   22 0.71	0   24 1
Recall	0.6	0.6	0.6	1	0.8	1	1	1

OV  
 id: 300 name: CX-5461  
 target: RNA Pol I class: other

29 cell lines  
 13 sensitive

Urogenital system 13/29

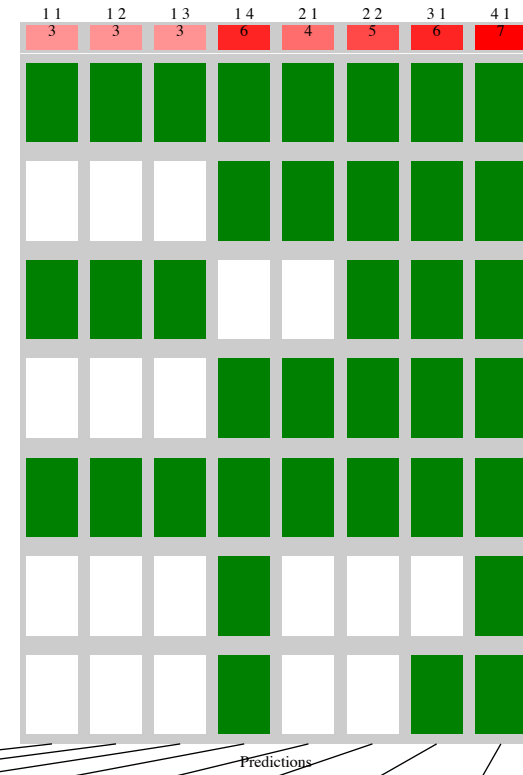
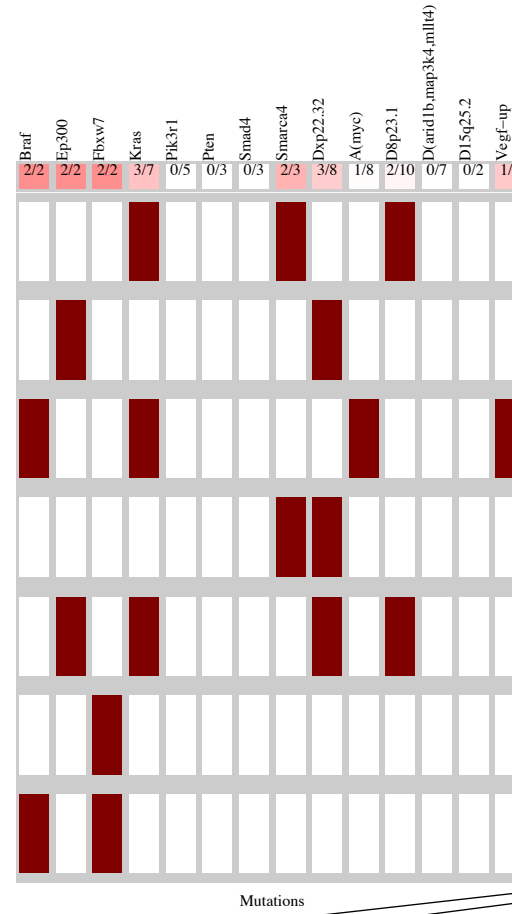
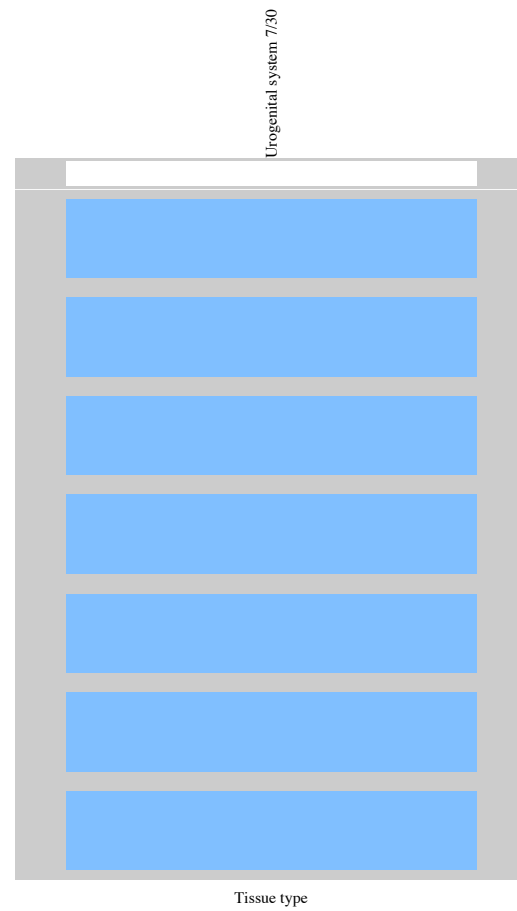
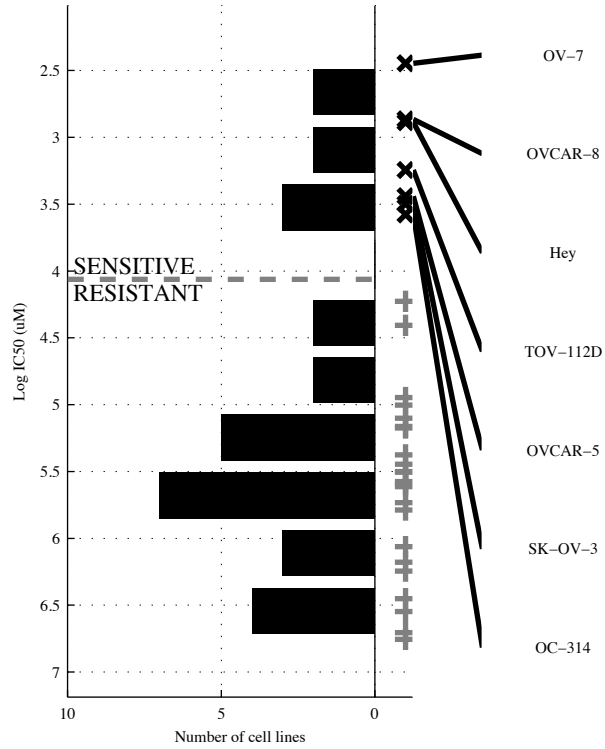


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>SMARCA</b>	<b>-LARP4 &amp; -TP53</b>	<b>-PIK3CA &amp; -d(NF1) &amp; -d8p23.</b>	<b>-MLL2 &amp; -d(NF1) &amp; -d8p23. &amp; Wnt-UP</b>	<b>SMARCA   a(SOX1)</b>	<b>[ SMARCA &amp; -d4q35. ]   [ -PTEN &amp; -TP53 ]</b>	<b>FAM123 &amp; SMARCA   a(SOX1)</b>	<b>FAM123 &amp; SMARCA   a8q22.   PI3K o</b>
TP   FP	2   1	6   2	9   3	11   3	4   2	8   2	5   2	7   2
Specificity	0.94	0.88	0.81	0.81	0.88	0.88	0.88	0.88
FN   TN	11   15	7   14	4   13	2   13	9   14	5   14	8   14	6   14
Precision	0.67	0.75	0.75	0.79	0.67	0.8	0.71	0.78
Recall	0.15	0.46	0.69	0.85	0.31	0.62	0.38	0.54



OV  
id: 309 name: Y-39983  
target: ROCK class: cytoskeleton

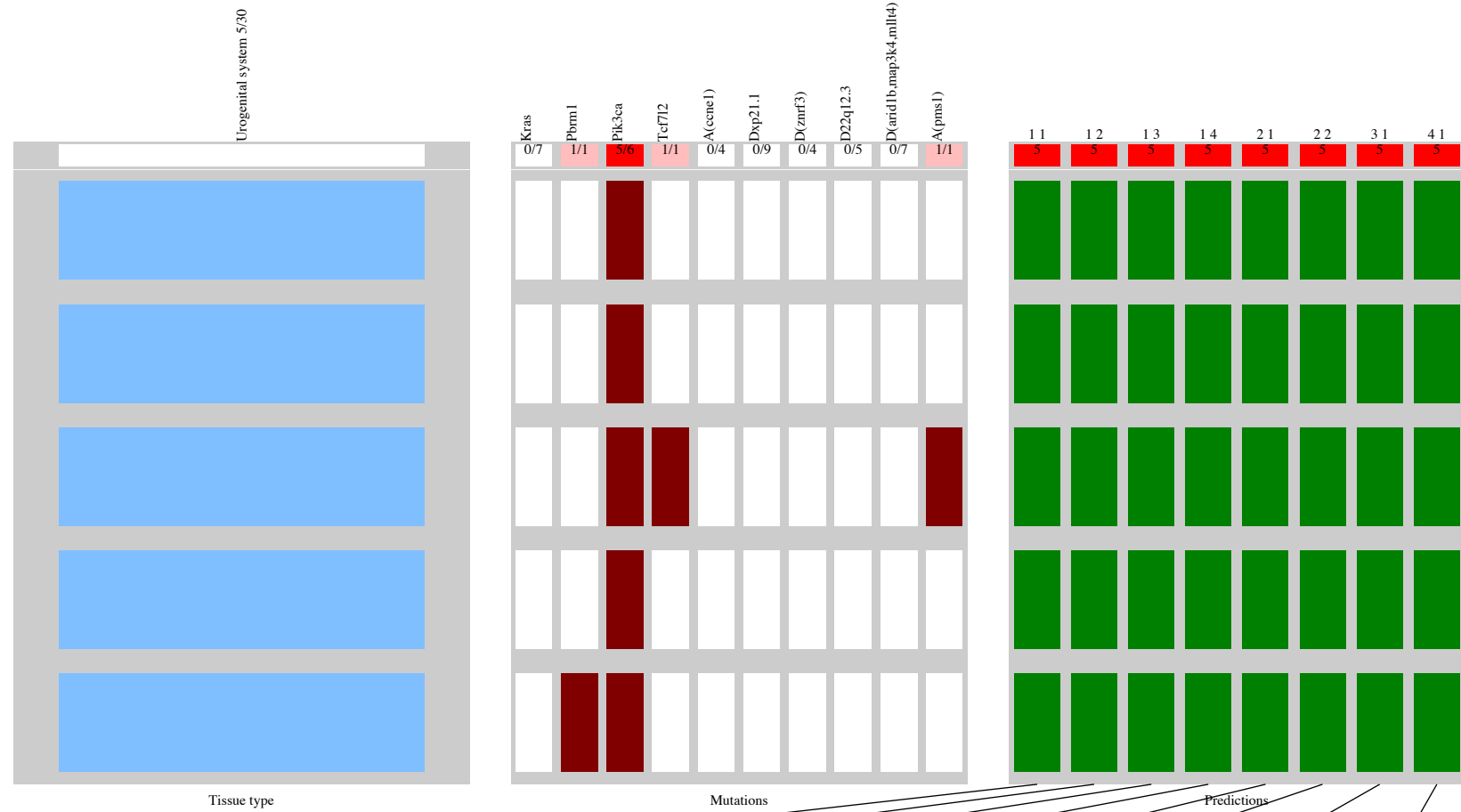
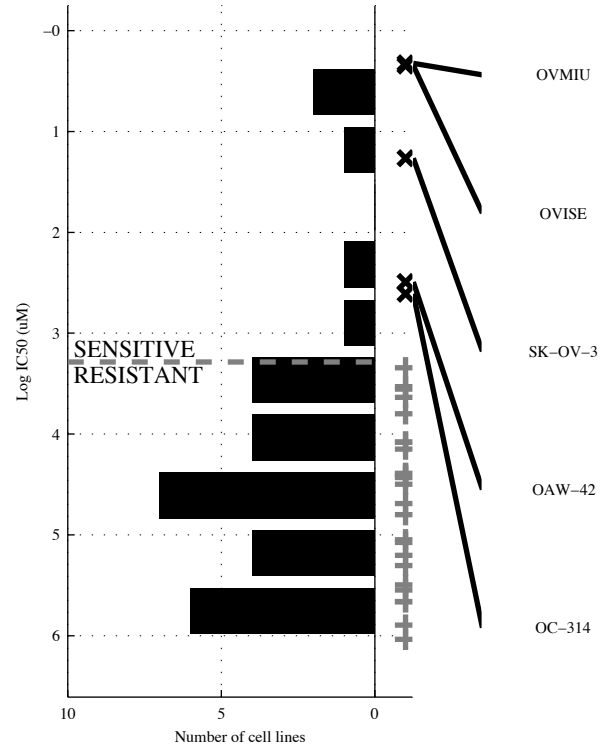
30 cell lines  
7 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>KRAS</b>		<b>KRAS &amp; PIK3R1</b>		<b>KRAS &amp; -PTEN &amp; -SMAD4</b>		<b>-PIK3R &amp; a(MYC &amp; -d(ARI &amp; -d15q25</b>		<b>EP300 SMARCA</b>		<b>[ dXp22. &amp; -d8p23. ]</b>		<b>BRAF   EP300   SMARCA</b>		<b>EP300   FBXW7   SMARCAVEGF-U</b>	
TP   FP Specificity	3   4	0.83	3   1	0.96	3   0	1	6   4	0.83	4   1	0.96	5   3	0.87	6   1	0.96	7   1	0.96
FN   TN Precision	4   19	0.43	4   22	0.75	4   23	1	1   19	0.6	3   22	0.8	2   20	0.63	1   22	0.86	0   22	0.88
Recall		0.43		0.43		0.43		0.86		0.57		0.71		0.86		1

OV  
 id: 326 name: GSK690693  
 target: AKT class: PI3K signaling

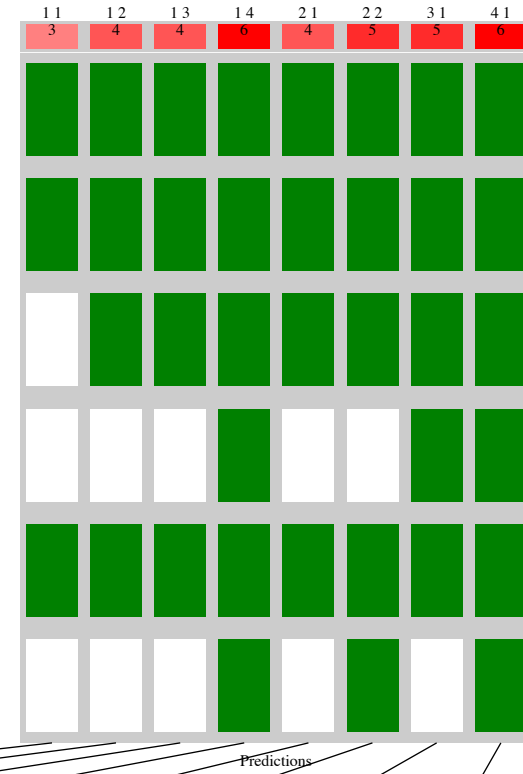
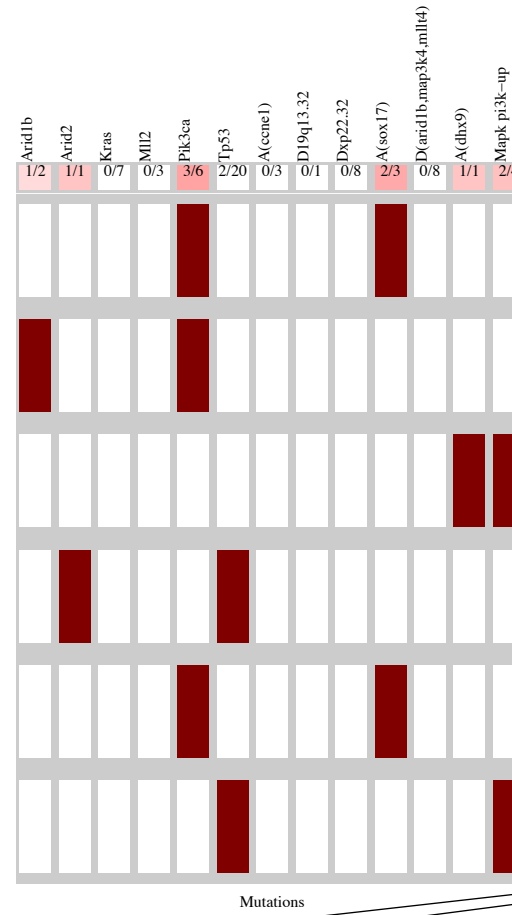
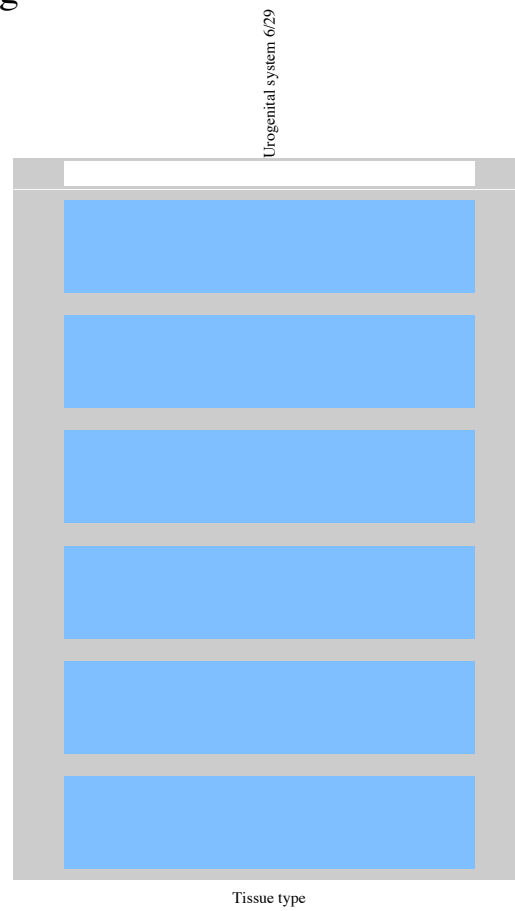
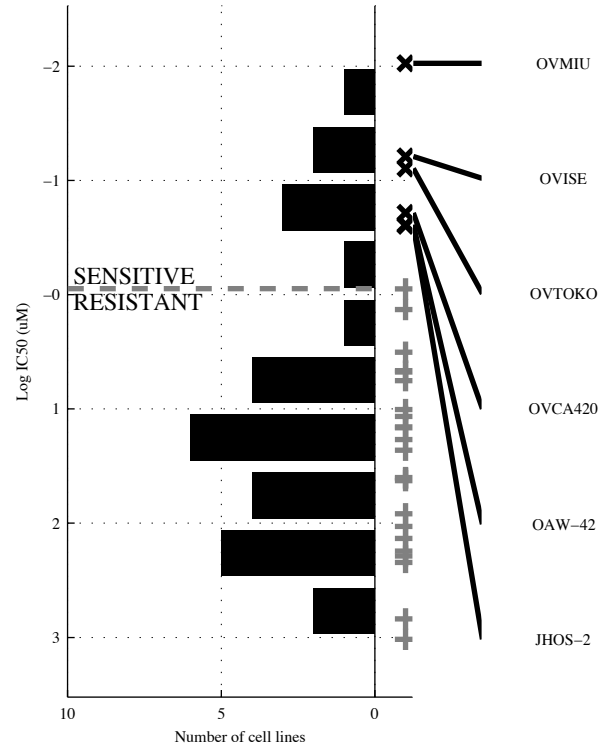
30 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>PIK3CA</b>	<b>~KRAS &amp; PIK3CA</b>	<b>~KRAS &amp; PIK3CA &amp; ~d(ARID</b>	<b>~KRAS &amp; PIK3CA &amp; ~a(CCNE1 &amp; ~dXp21.</b>	<b>PBRM1   PIK3CA</b>	<b>[ ~KRAS &amp; PIK3CA ]   [ d(ZNRF8 &amp; ~d22q12]</b>	<b>PBRM1   PIK3CA   a(PMS1</b>	<b>PBRM1   PIK3CA   TCF7L2   a(PMS1</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{5}{0} \mid \frac{1}{24}$ 0.96 0.83 1	$\frac{5}{0} \mid \frac{0}{25}$ 1 1 1	$\frac{5}{0} \mid \frac{0}{25}$ 1 1 1	$\frac{5}{0} \mid \frac{0}{25}$ 1 1 1	$\frac{5}{0} \mid \frac{1}{24}$ 0.96 0.83 1	$\frac{5}{0} \mid \frac{0}{25}$ 1 1 1	$\frac{5}{0} \mid \frac{1}{24}$ 0.96 0.83 1	$\frac{5}{0} \mid \frac{1}{24}$ 0.96 0.83 1

OV  
 id: 1010 name: Gefitinib  
 target: EGFR class: EGFR signaling

29 cell lines  
 6 sensitive

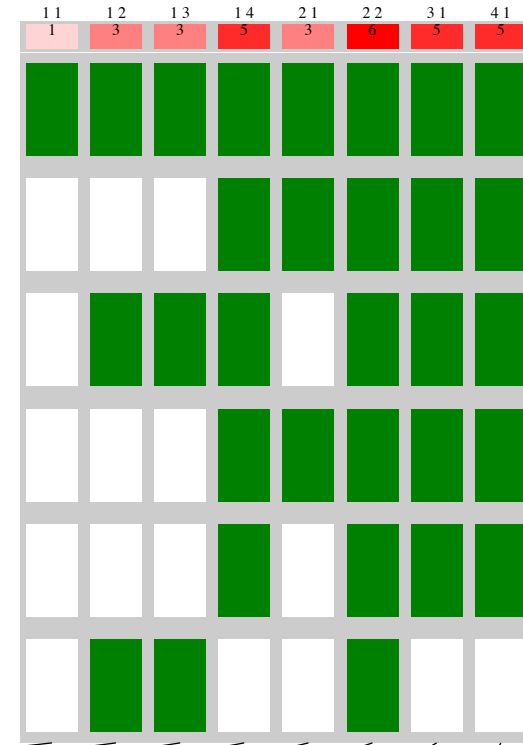
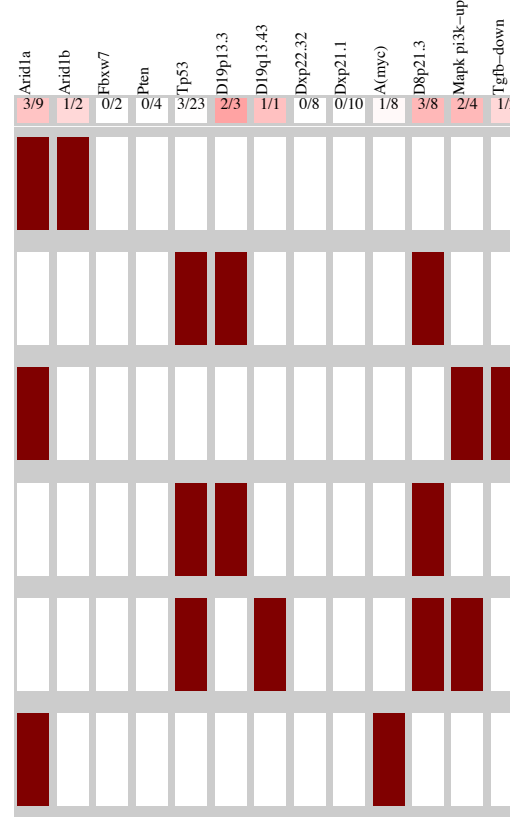
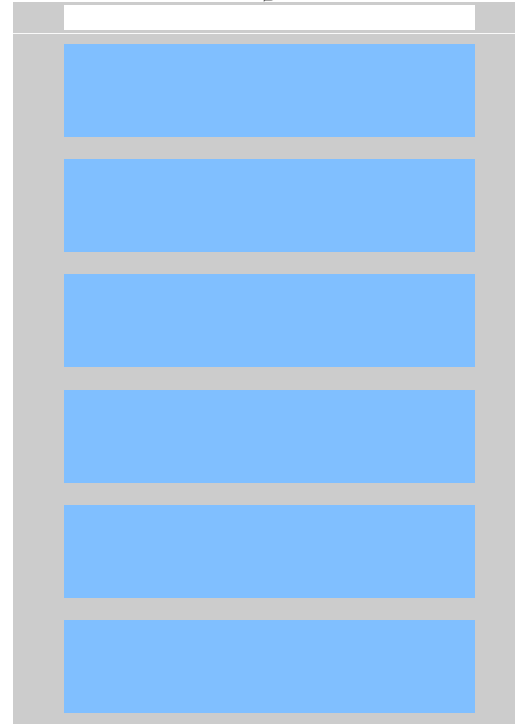
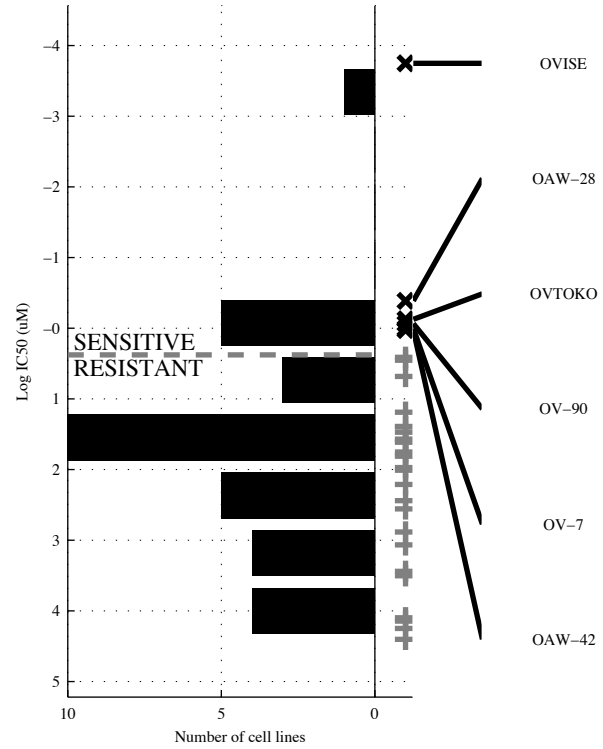


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>PIK3CA</b>	<b>-KRAS &amp; -TP53</b>	<b>-KRAS &amp; -TP53 &amp; -d(ARID</b>	<b>-KRAS &amp; a(CCNE1 &amp; -dXp22 &amp; -d(ARID</b>	<b>PIK3CA   a(DHX9</b>	<b>[ -d19q13.32 &amp; MAPK P ]   [ -MLL2 &amp; PIK3CA ]</b>	<b>ARID2   PIK3CA   a(DHX9</b>	<b>ARID1B   ARID2   a(SOX1   MAPK P</b>
TP   FP	3   3	4   2	4   0	6   2	4   3	5   1	5   3	6   4
Specificity	0.87	0.91	1	0.91	0.87	0.96	0.87	0.83
FN   TN	3   20	2   21	2   23	0   21	2   20	1   22	1   20	0   19
Precision	0.5	0.67	1	0.75	0.57	0.83	0.63	0.6
Recall	0.5	0.67	0.67	1	0.67	0.83	0.83	1

OV  
 id: 1011 name: ABT-263  
 target: BCL2, BCL2L1, BCL2L2 class: apoptosis regulation

32 cell lines  
 6 sensitive

Urogenital system 6/32

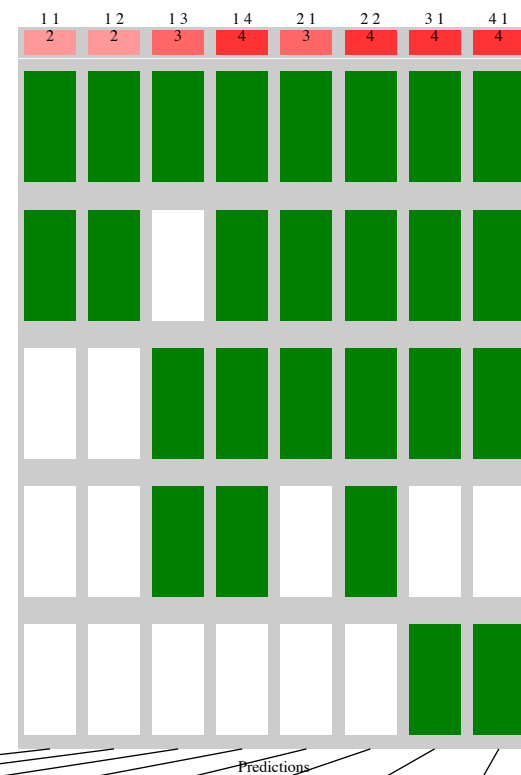
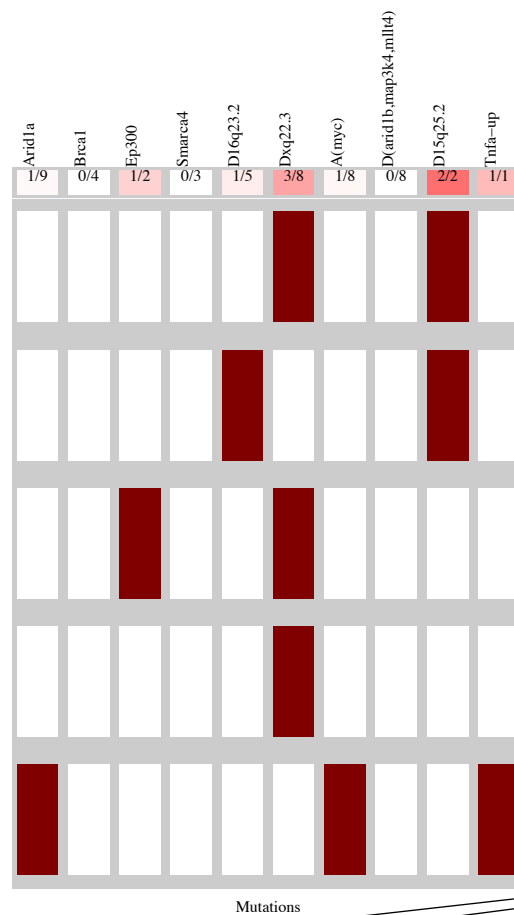
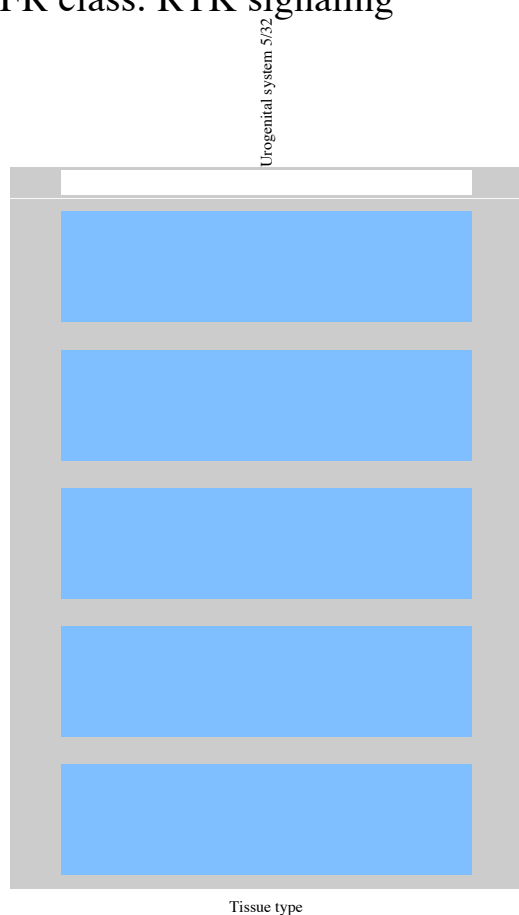
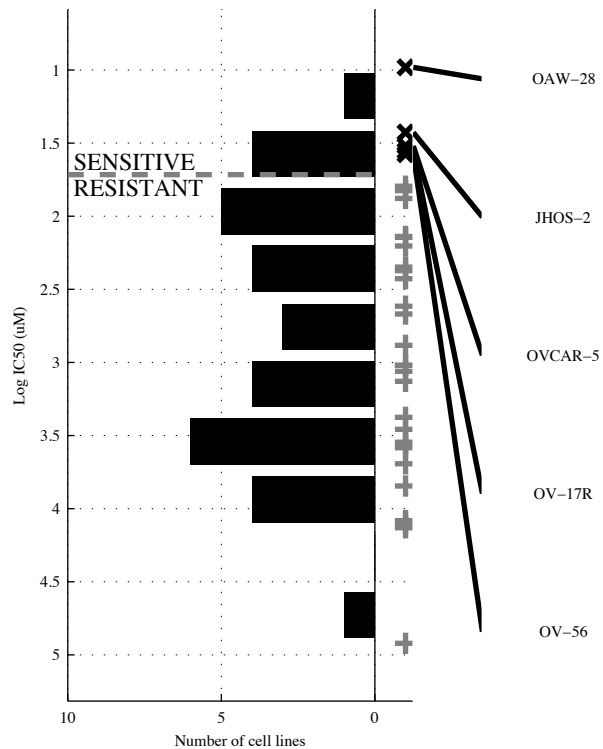


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>ARID1B</b>	<b>ARID1A &amp; -TP53</b>	<b>ARID1A &amp; FBXW7 &amp; -PTEN</b>	<b>-FBXW7 &amp; -PTEN &amp; -dXp21 &amp; a(MYC)</b>	<b>ARID1B   d19p13</b>	<b>[ ARID1A &amp; -TP53 ]   [ -dXp22 &amp; d8p21. ]</b>	<b>ARID1B   d19p13   MAPK P</b>	<b>ARID1B   d19p13   d19q13 ITGFB-D</b>
TP   FP	1   1	3   1	3   0	5   5	3   2	6   3	5   4	5   3
Specificity	0.96	0.96	1	0.81	0.92	0.88	0.85	0.88
FN   TN	5   25	3   25	3   26	1   21	3   24	0   23	1   22	1   23
Precision	0.5	0.75	1	0.5	0.6	0.67	0.56	0.63
Recall	0.17	0.5	0.5	0.83	0.5	1	0.83	0.83



OV  
 id: 1029 name: AMG-706  
 target: VEGFR, RET, c-KIT, PDGFR class: RTK signaling

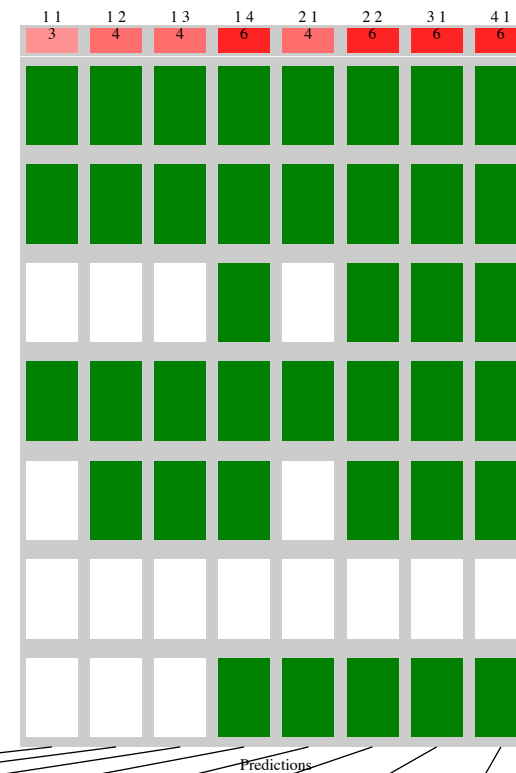
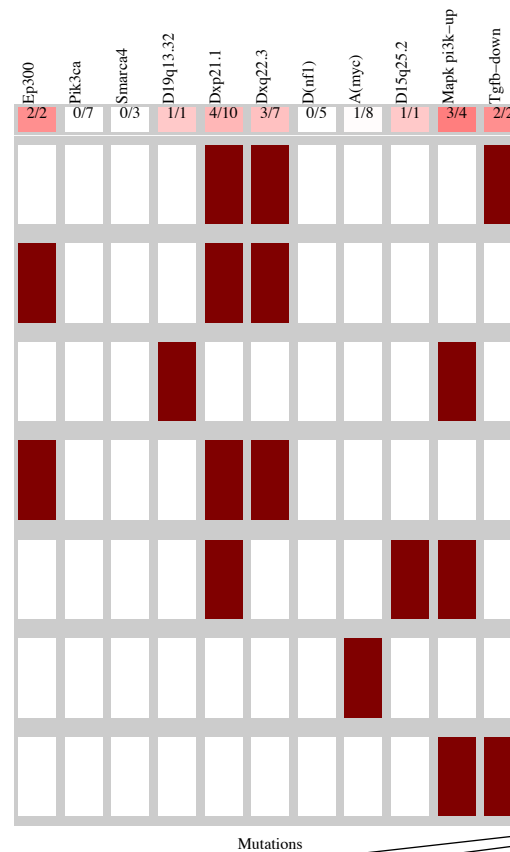
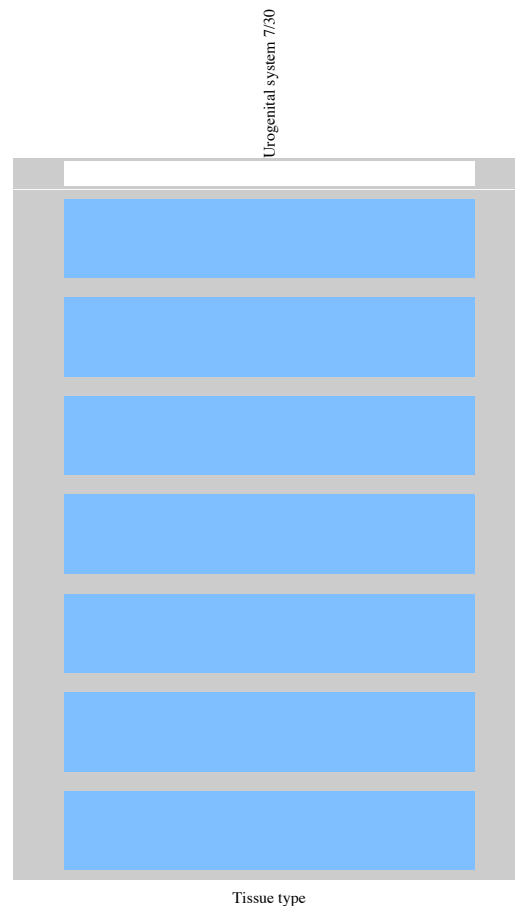
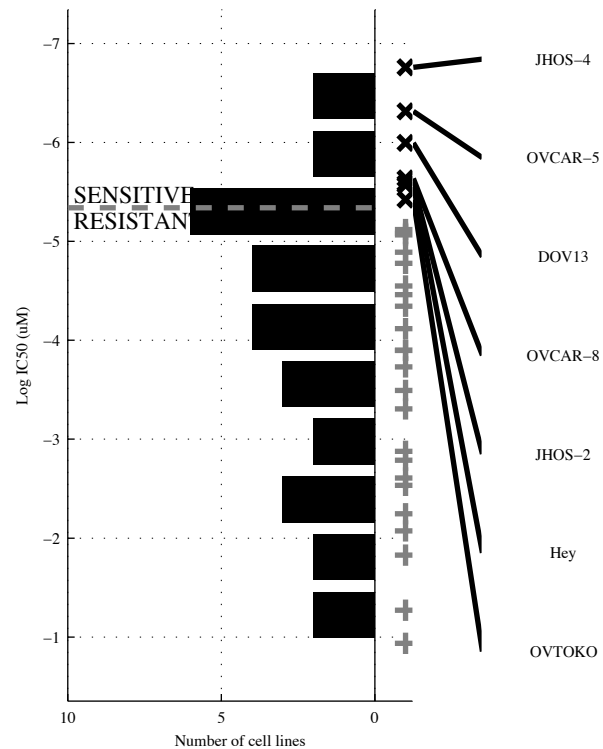
32 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d15q25</b>	<b>d15q25 &amp;</b>	<b>-BRCA1 &amp; -d16q23 &amp; dXq22.</b>	<b>-ARID1A &amp; SMARCA4 &amp; -a(MYC) &amp; d(ARID1A)</b>	<b>EP300   d15q25</b>	<b>[ -d16q23 &amp; dXq22. ]   [ d15q25 &amp; ]</b>	<b>EP300   d15q25   TNFa-U</b>	<b>EP300   d15q25   TNFa-U</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{2}{3} \mid \frac{0}{27}$ 1 0.4	$\frac{2}{3} \mid \frac{0}{27}$ 1 0.4	$\frac{3}{2} \mid \frac{0}{27}$ 1 0.6	$\frac{4}{1} \mid \frac{4}{23}$ 0.85 0.5 0.8	$\frac{3}{2} \mid \frac{1}{26}$ 0.96 0.75 0.6	$\frac{4}{1} \mid \frac{2}{25}$ 0.93 0.67 0.8	$\frac{4}{1} \mid \frac{1}{26}$ 0.96 0.8 0.8	$\frac{4}{1} \mid \frac{1}{26}$ 0.96 0.8 0.8

OV  
 id: 1031 name: Elesclomol  
 target: HSP70 class: other

30 cell lines  
 7 sensitive

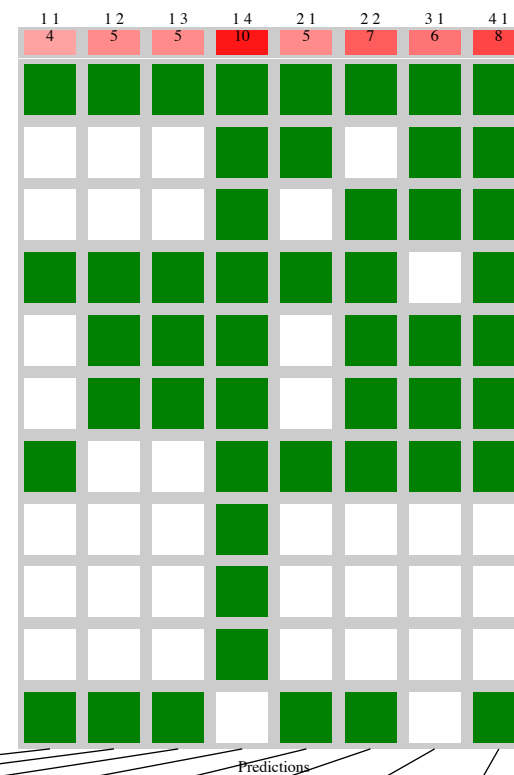
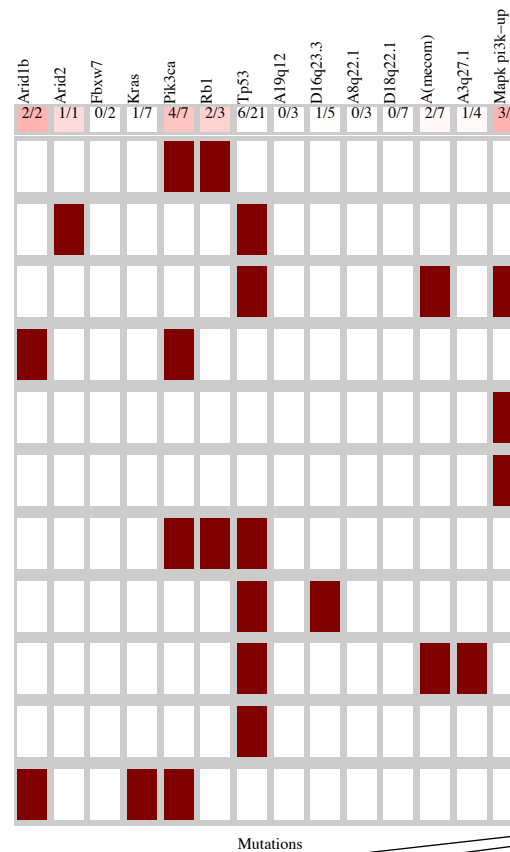
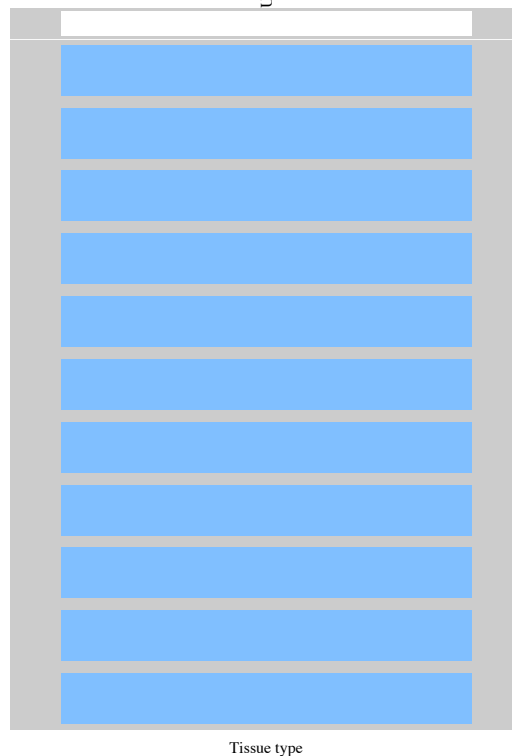
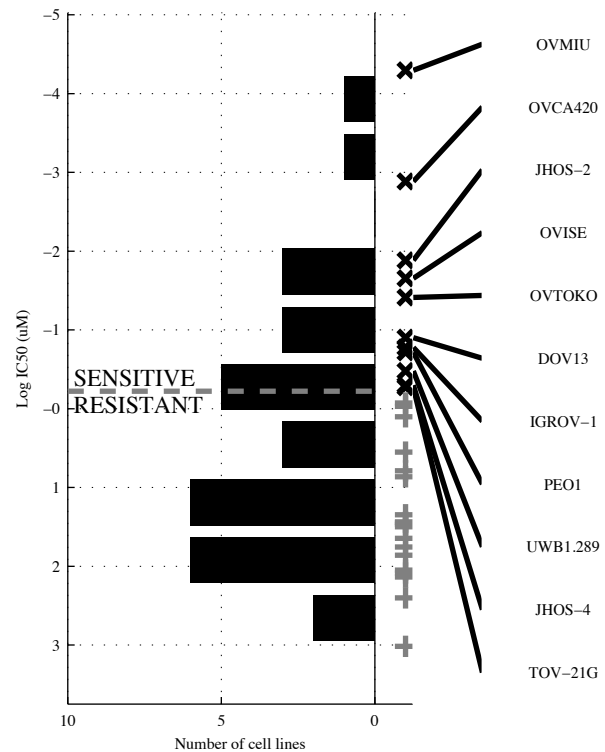


Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>dXq22.</b>		<b>dXp21. &amp; ¬d(NF1)</b>		<b>dXp21. &amp; ¬d(NF1) &amp; ¬a(MYC)</b>		<b>¬PIK3CA &amp; SMARCA4 &amp; ¬d(NF1) &amp; a(MYC)</b>		<b>EP300   TGFB-D</b>		<b>[ dXq22. &amp; ¬d(NF1) ]   [ SMARCA4 &amp; MAPK P ]</b>		<b>EP300   MAPK P   TGFB-D</b>		<b>EP300   d19q13   d15q25   TGFB-D</b>	
TP   FP Specificity	3   4	0.83	4   3	0.87	4   2	0.91	6   4	0.83	4   0	1	6   2	0.91	6   1	0.96	6   0	1
FN   TN Precision	4   19	0.43	3   20	0.57	3   21	0.67	1   19	0.6	3   23	1	1   21	0.75	1   22	0.86	1   23	1
Recall		0.43		0.57		0.57		0.86		0.57		0.86		0.86		0.86

OV  
 id: 1032 name: Afatinib  
 target: ERBB2, EGFR class: EGFR signaling

30 cell lines  
 11 sensitive

Urogenital system 11/30

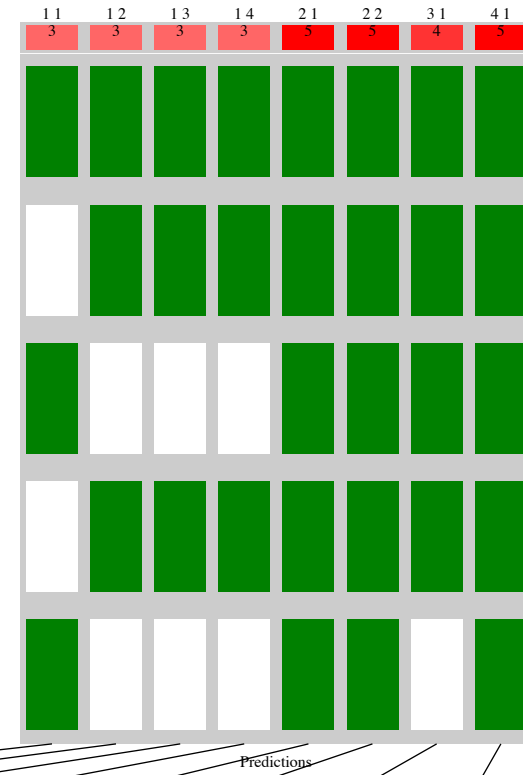
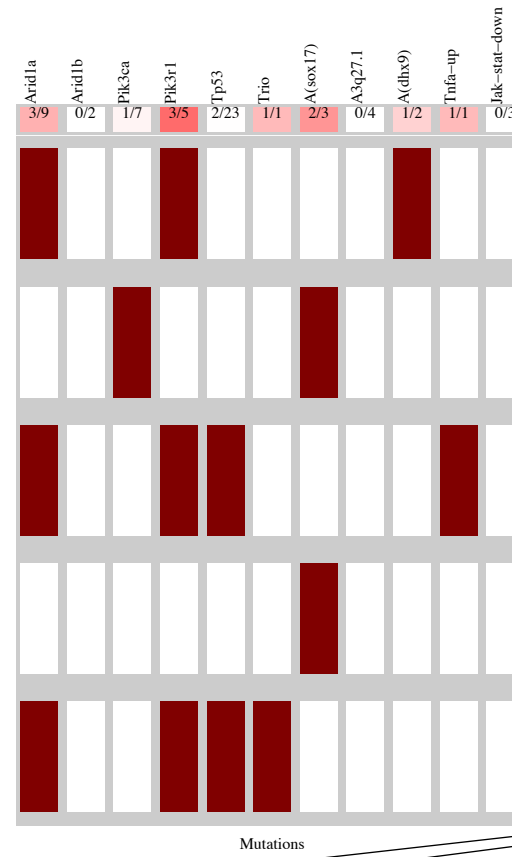
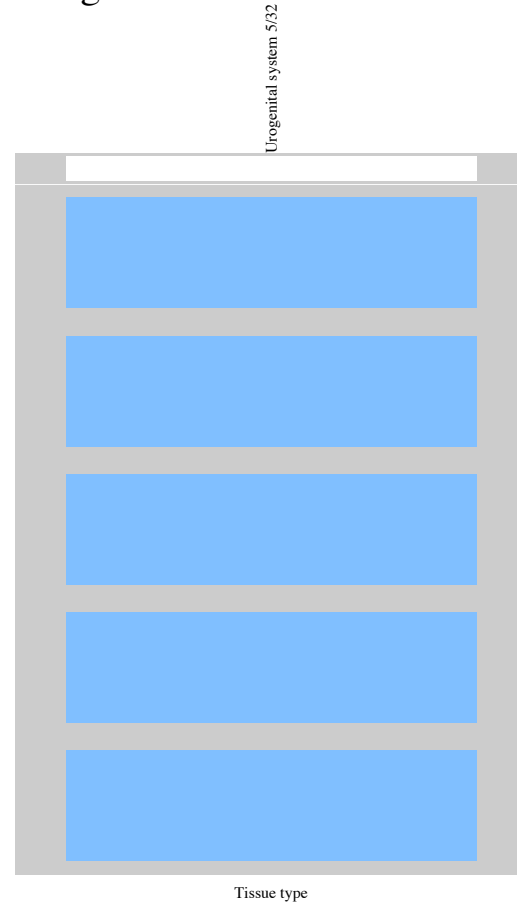
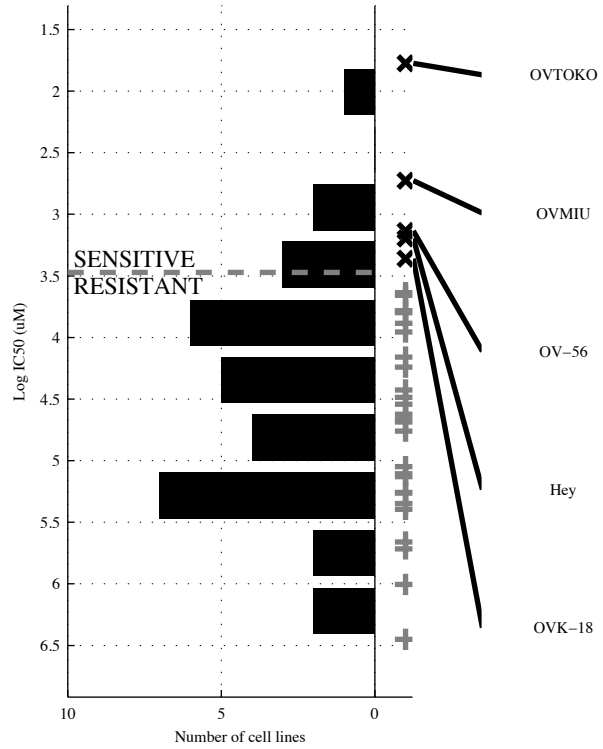


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>PIK3CA</b>	<b>-TP53 &amp; a(MECO</b>	<b>-TP53 &amp; -a8q22.&amp;</b>	<b>-FBXW&amp;-KRAS&amp;</b> <b>-a19q12&amp;-d18q22</b>	<b>ARID2   PIK3CA</b>	<b>[PIK3CA&amp;-a3q27.]</b> <b> </b> <b>[-d16q23&amp;MAPK P]</b>	<b>ARID2   RB1  </b> <b>MAPK P</b>	<b>ARID1B   ARID2  </b> <b>RB1   MAPK P</b>
TP   FP	4   3	5   2	5   0	10   3	5   3	7   2	6   1	8   1
Specificity	0.84	0.89	1	0.84	0.84	0.89	0.95	0.95
FN   TN	7   16	6   17	6   19	1   16	6   16	4   17	5   18	3   18
Precision	0.57	0.71	1	0.77	0.63	0.78	0.86	0.89
Recall	0.36	0.45	0.45	0.91	0.45	0.64	0.55	0.73



OV  
 id: 1043 name: JNK Inhibitor VIII  
 target: JNK class: JNK and p38 signaling

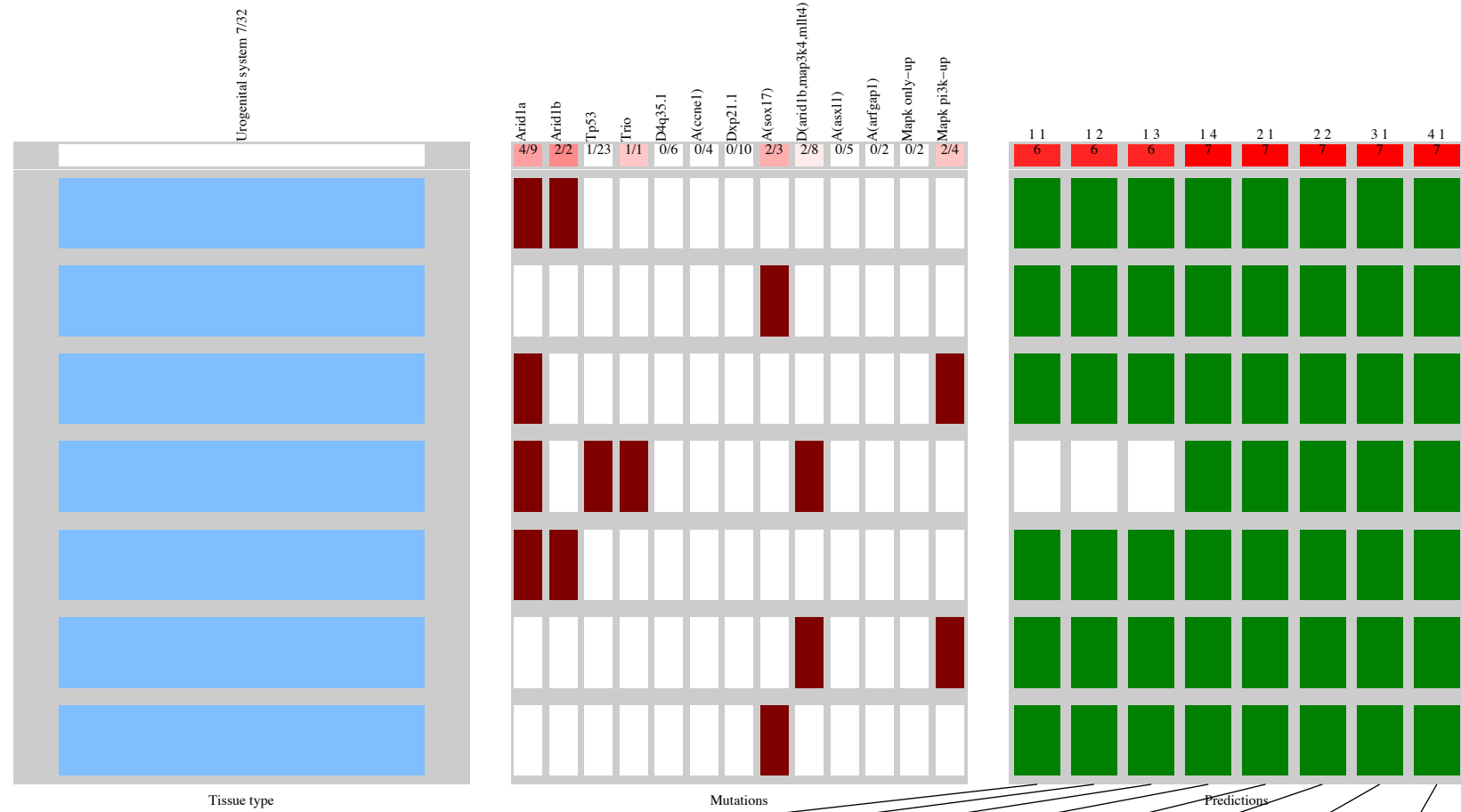
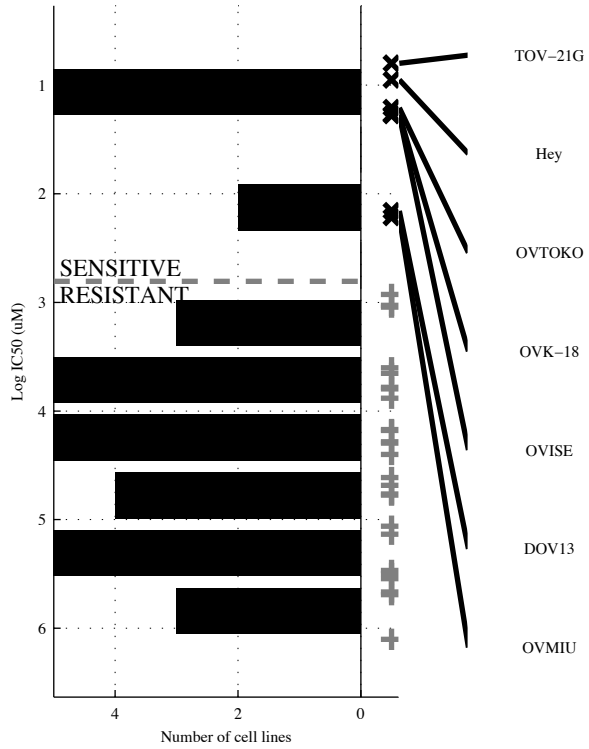
32 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>PIK3R1</b>	<b>¬TP53 &amp; ¬a3q27.</b>	<b>¬ARID1A &amp; ¬TP53 &amp; ¬a3q27.</b>	<b>¬ARID1A &amp; ¬TP53 &amp; ¬a3q27. &amp; JAK-ST</b>	<b>PIK3R1   a(SOX1)</b>	<b>[ARID1A &amp; PIK3CA]   [a(SOX1) &amp; ¬a3q27.]</b>	<b>a(SOX1   a(DHX9)   TNFa-U</b>	<b>TRIO   a(SOX1)   a(DHX9)   TNFa-U</b>
TP   FP	3   2	3   4	3   2	3   1	5   3	5   0	4   2	5   2
Specificity	0.93	0.85	0.93	0.96	0.89	1	0.93	0.93
FN   TN	2   25	2   23	2   25	2   26	0   24	0   27	1   25	0   25
Precision	0.6	0.43	0.6	0.75	0.63	1	0.67	0.71
Recall	0.6	0.6	0.6	0.6	1	1	0.8	1

OV  
 id: 1047 name: Nutlin-3a  
 target: MDM2 class: p53 pathway

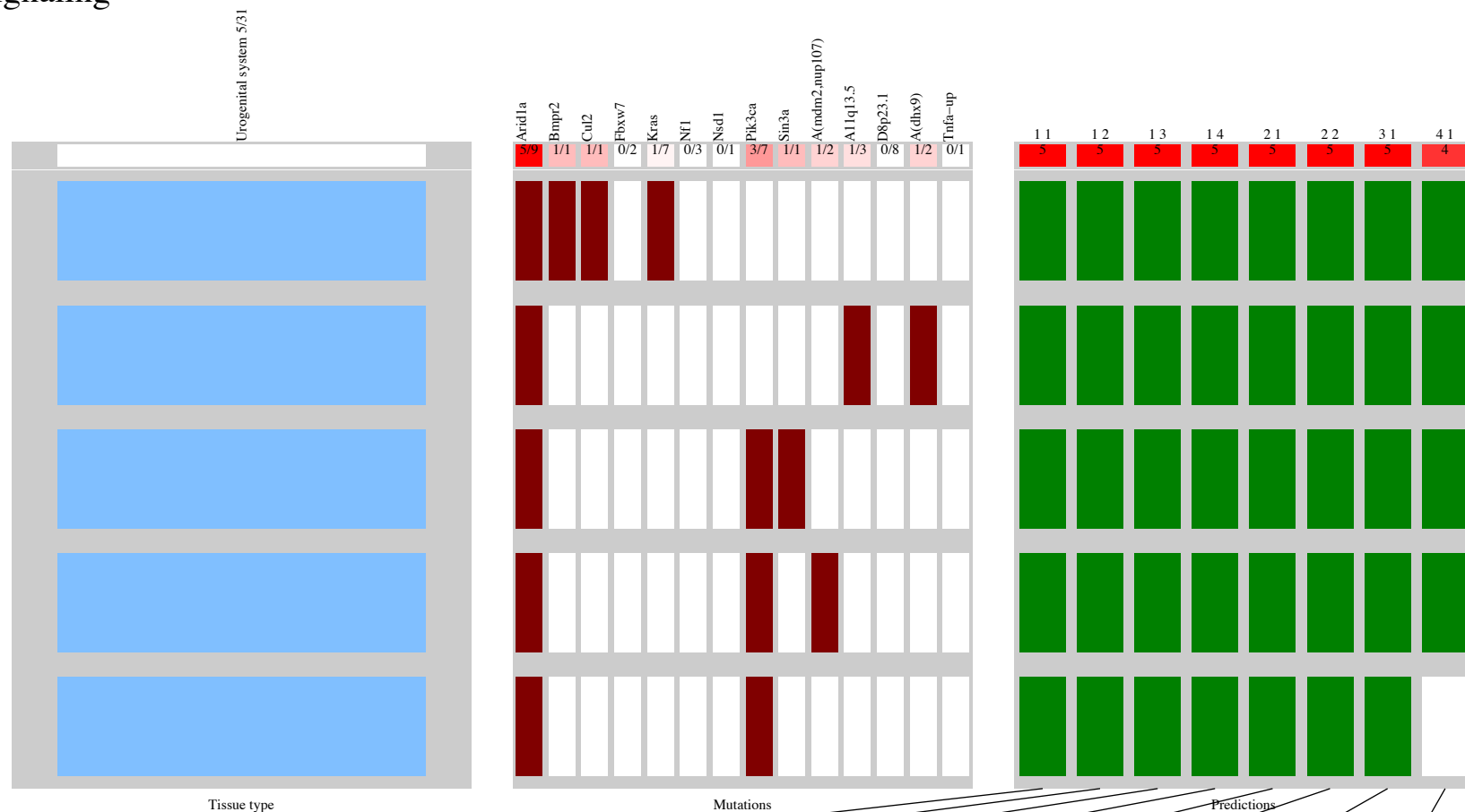
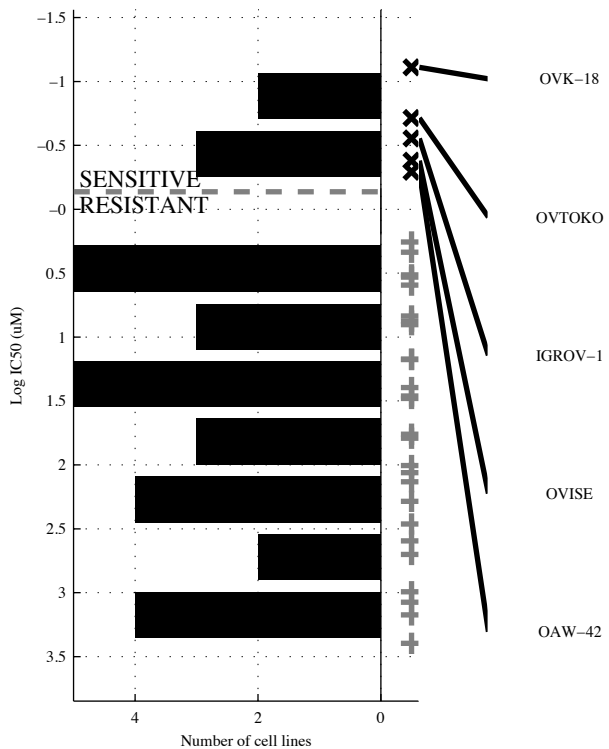
32 cell lines  
 7 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>-TP53</b>	<b>-TP53 &amp; -dXp21.</b>	<b>-TP53 &amp; -dXp21 &amp; -a(ARFG</b>	<b>-a(CCNI &amp; -dXp21 &amp; -a(ASXI &amp; MAPK o</b>	<b>-TP53   TRIO</b>	<b>[ -TP53 &amp; -d4q35. ]   [ARID1A &amp; d(ARID ]</b>	<b>-TP53   TRIO   a(SOX1</b>	<b>ARID1B   TRIO   a(SOX1   MAPK P</b>
TP   FP Specificity	6   3 0.88	6   1 0.96	6   0 1	7   5 0.8	7   3 0.88	7   1 0.96	7   3 0.88	7   3 0.88
FN   TN Precision	1   22 0.67	1   24 0.86	1   25 1	0   20 0.58	0   22 0.7	0   24 0.88	0   22 0.7	0   22 0.7
Recall	0.86	0.86	0.86	1	1	1	1	1

OV  
 id: 1053 name: MK-2206  
 target: AKT1, AKT2 class: PI3K signaling

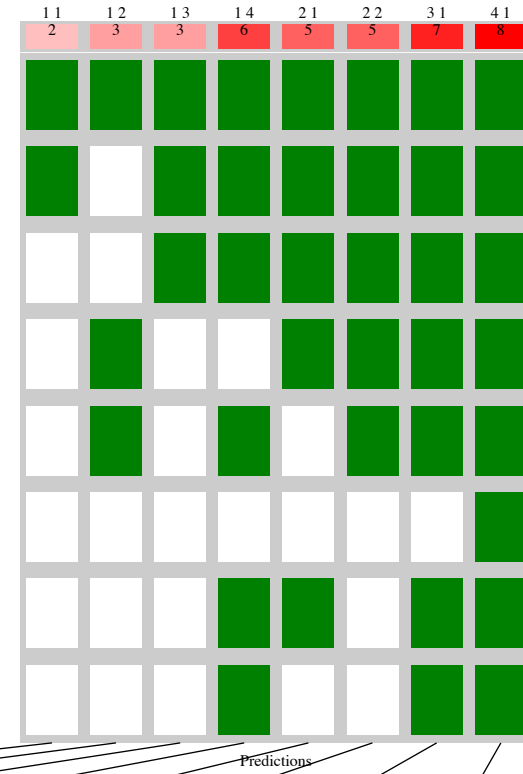
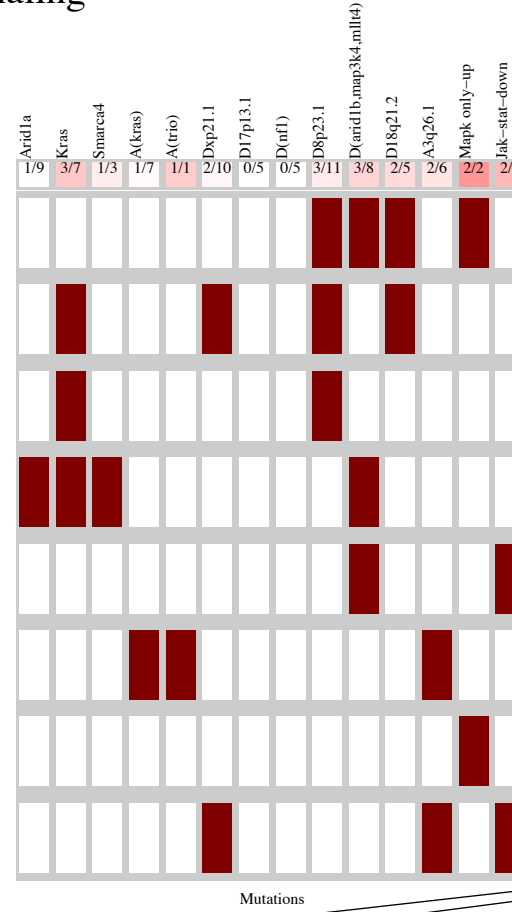
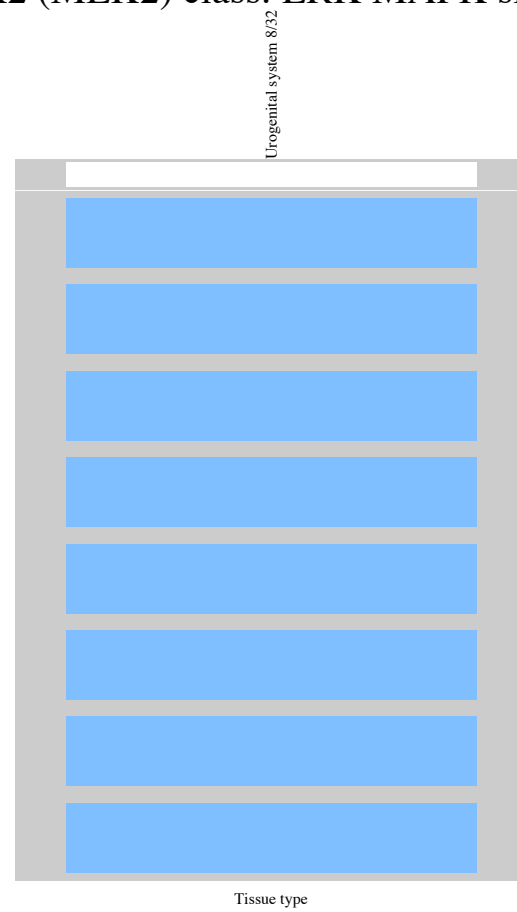
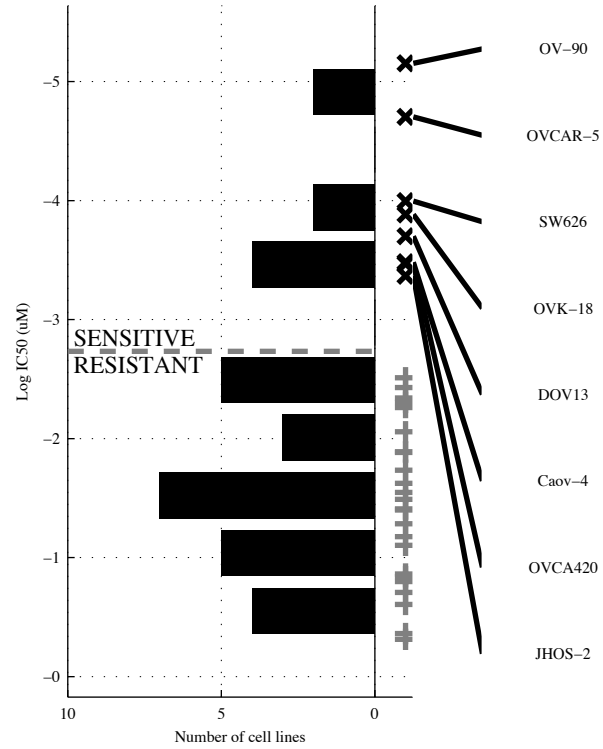
31 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>ARID1A</b>	<b>ARID1A &amp; -NF1</b>	<b>ARID1A &amp; -NSD1 &amp; -TNFa-U</b>	<b>ARID1A &amp; -FBXW7 &amp; -NF1 &amp; TNFa-U</b>	<b>ARID1A   a(DHX9)</b>	<b>[ Bmpr2 &amp; -d8p23. ]   [ ARID1A &amp; -KRAS ]</b>	<b>Bmpr2   PIK3CA   a(DHX9)</b>	<b>CUL2   SIN3A   a(MDM2)   a11q13</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{5}{0} \mid \frac{4}{22}$ 0.85 0.56 1	$\frac{5}{0} \mid \frac{3}{23}$ 0.88 0.63 1	$\frac{5}{0} \mid \frac{2}{24}$ 0.92 0.71 1	$\frac{5}{0} \mid \frac{0}{26}$ 1 1 1	$\frac{5}{0} \mid \frac{4}{22}$ 0.85 0.56 1	$\frac{5}{0} \mid \frac{2}{24}$ 0.92 0.71 1	$\frac{5}{0} \mid \frac{4}{22}$ 0.85 0.56 1	$\frac{4}{1} \mid \frac{2}{24}$ 0.92 0.67 0.8

OV  
 id: 1060 name: PD-0325901  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

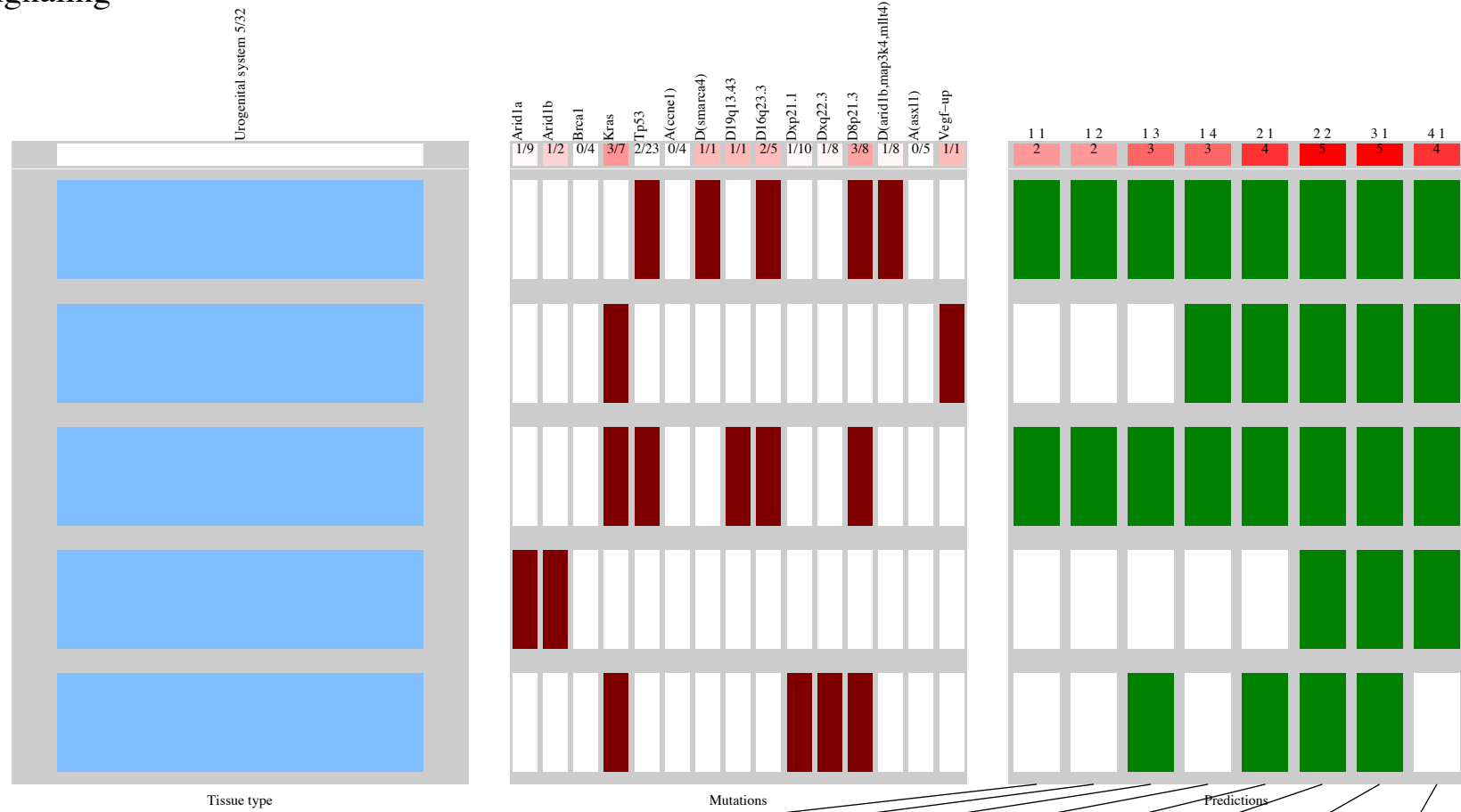
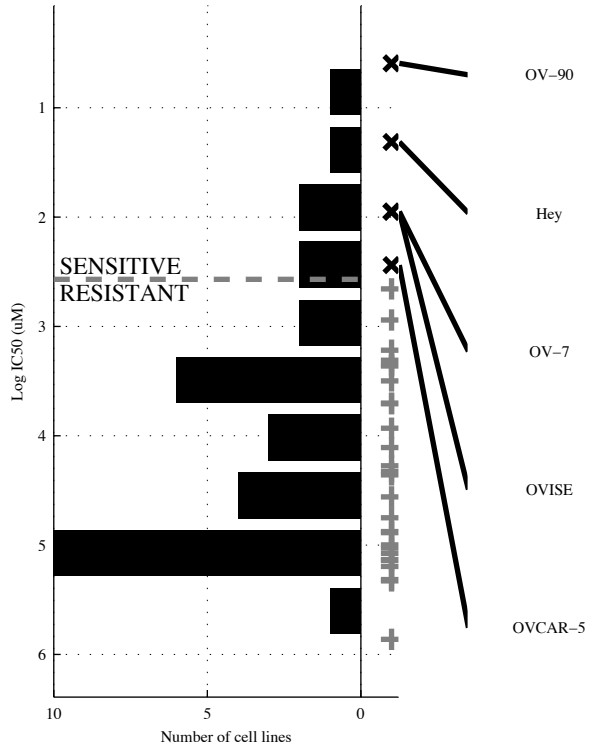
32 cell lines  
 8 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d18q21</b>	<b>¬dXp21&amp;d(ARID</b>	<b>¬d17p13&amp;d8p23.&amp; ¬a3q26.</b>	<b>¬ARID1&amp;SMARCA4 ¬a(KRAS&amp;¬d(NF1)</b>	<b>KRAS  MAPK o</b>	<b>[¬dXp21&amp;d(ARID )   [ KRAS &amp; d8p23. ]</b>	<b>KRAS  MAPK o   JAK-ST</b>	<b>KRAS  a(TRIO    MAPK o JAK-ST</b>
TP   FP	2   3	3   1	3   2	6   4	5   4	5   2	7   4	8   4
Specificity	0.88	0.96	0.92	0.83	0.83	0.92	0.83	0.83
FN   TN	6   21	5   23	5   22	2   20	3   20	3   22	1   20	0   20
Precision	0.4	0.75	0.6	0.6	0.56	0.71	0.64	0.67
Recall	0.25	0.38	0.38	0.75	0.63	0.63	0.88	1

OV  
 id: 1061 name: SB590885  
 target: BRAF class: ERK MAPK signaling

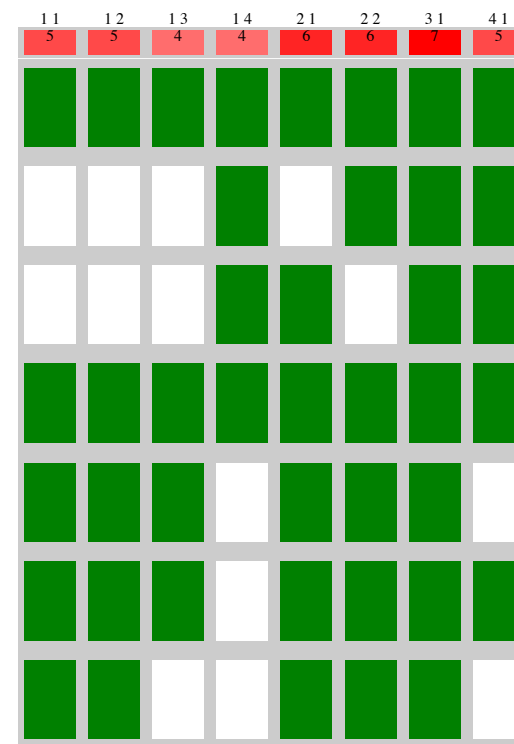
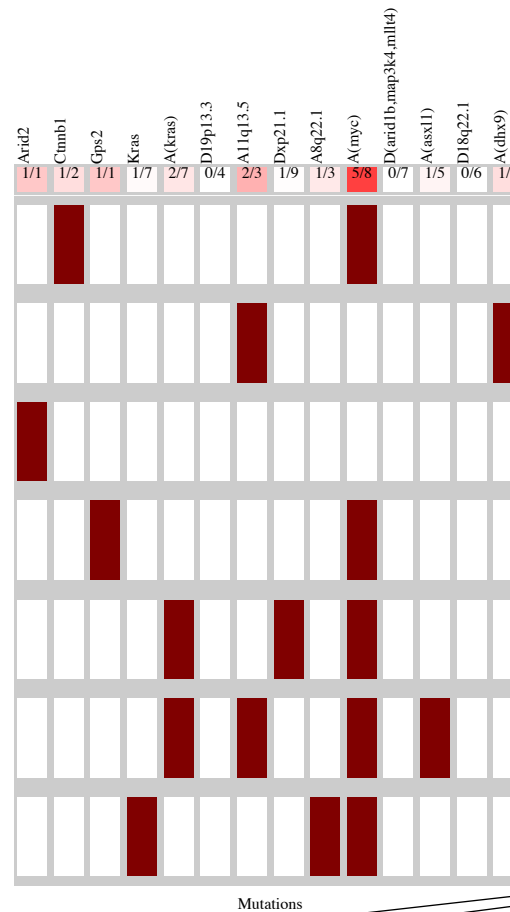
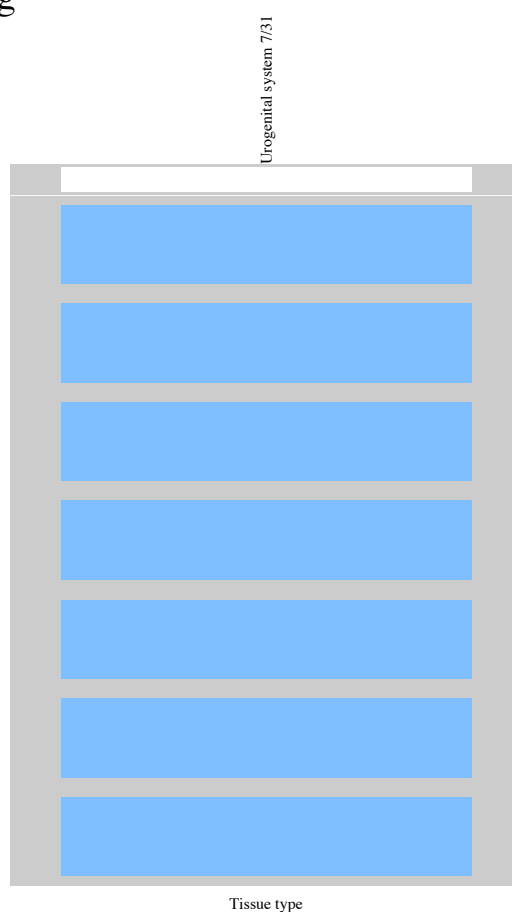
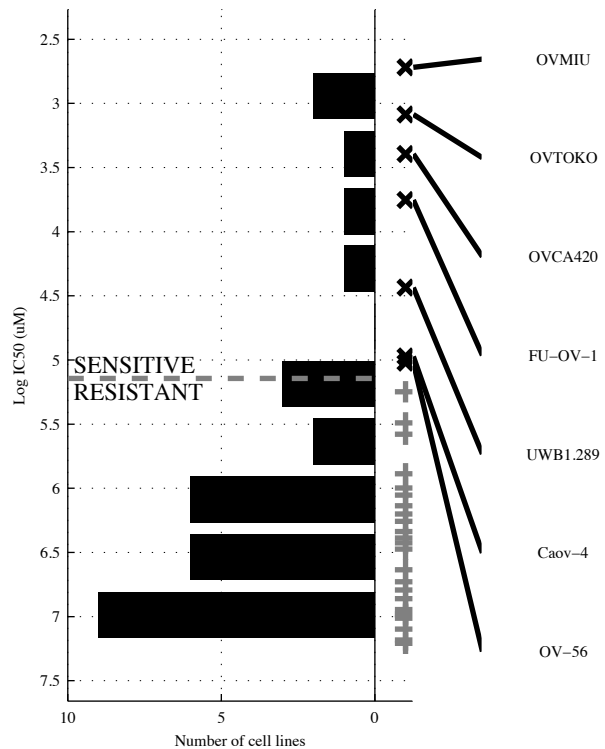
32 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d16q23</b>	<b>d16q23 &amp; ¬dXq22.</b>	<b>¬BRCA &amp; d8p21. &amp; ¬a(ASXL</b>	<b>¬ARID1 &amp; a(CCNE &amp; ¬dXp21 &amp; a(ASXL</b>	<b>KRAS   d(SMAR</b>	<b>[ ¬TP53 &amp; ¬d(ARID)  </b>	<b>ARID1B   KRAS  </b>	<b>ARID1B   d(SMAR  </b>
TP   FP Specificity	2   3 0.89	2   0 1	3   1 0.96	3   3 0.89	4   4 0.85	5   4 0.85	5   4 0.85	4   1 0.96
FN   TN Precision	3   24 0.4	3   27 1	2   26 0.75	2   24 0.5	1   23 0.5	0   23 0.56	0   23 0.56	1   26 0.8
Recall	0.4	0.4	0.6	0.6	0.8	1	1	0.8

OV  
 id: 1114 name: Cetuximab  
 target: EGFR class: EGFR signaling

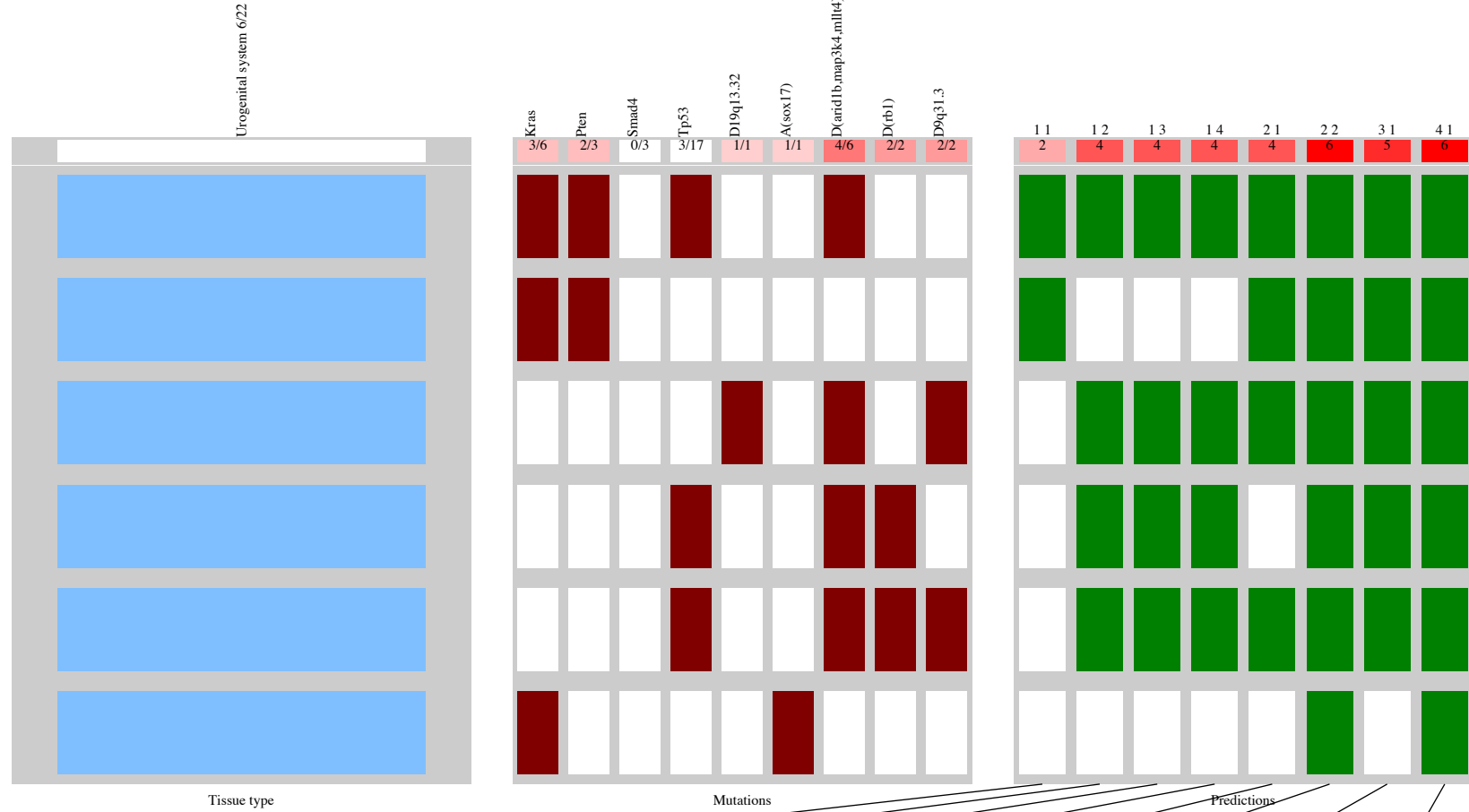
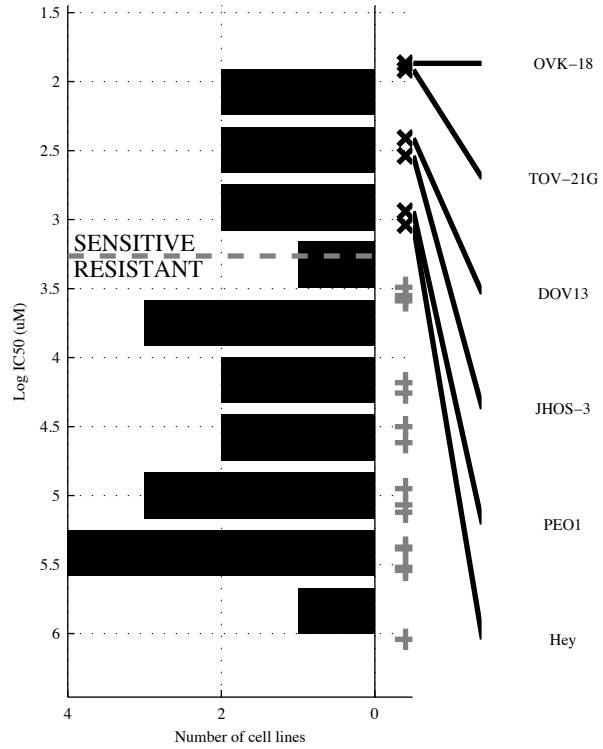
31 cell lines  
 7 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>a(MYC)</b>	<b>¬d19p13&amp;a(MYC)</b>	<b>¬d19p13&amp;¬a8q22.&amp;a(MYC)</b>	<b>¬KRAS&amp;a(KRAS&amp;Dxp21)&amp;¬d(ARID2)</b>	<b>ARID2   a(MYC)</b>	<b>[ a(MYC)&amp;¬d18q22 ]   [¬a(ASX1)&amp;a(DHX9)]</b>	<b>ARID2   a11q13   a(MYC)</b>	<b>ARID2   CTNNB1   GPs2   a11q13</b>
TP   FP Specificity	5   3 0.88	5   2 0.92	4   0 1	4   4 0.83	6   3 0.88	6   2 0.92	7   4 0.83	5   2 0.92
FN   TN Precision	2   21 0.63	2   22 0.71	3   24 1	3   20 0.5	1   21 0.67	1   22 0.75	0   20 0.64	2   22 0.71
Recall	0.71	0.71	0.57	0.57	0.86	0.86	1	0.71

OV  
 id: 1203 name: QL-XII-61  
 target: BTK class: other

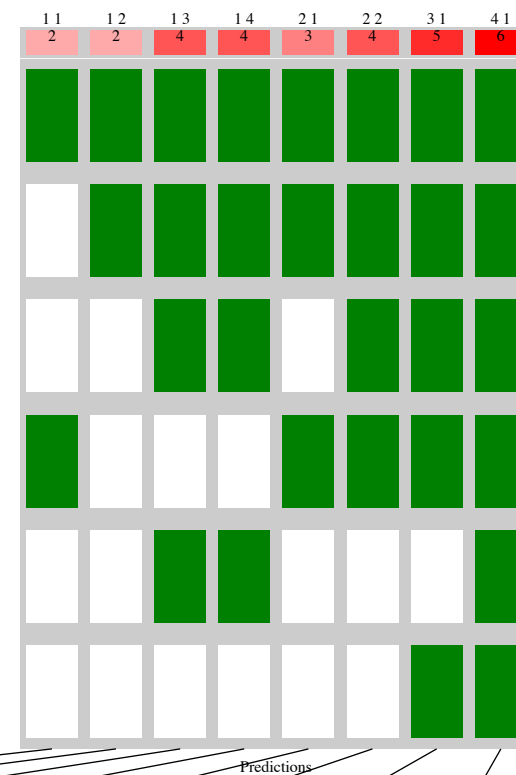
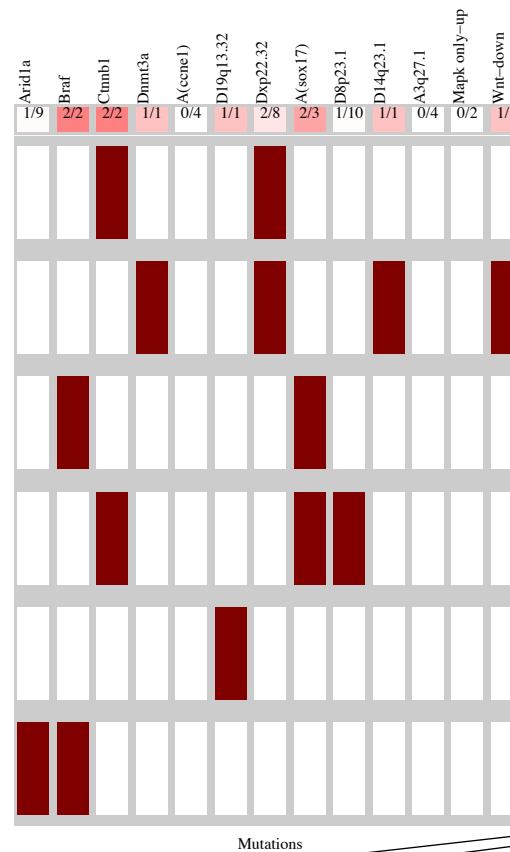
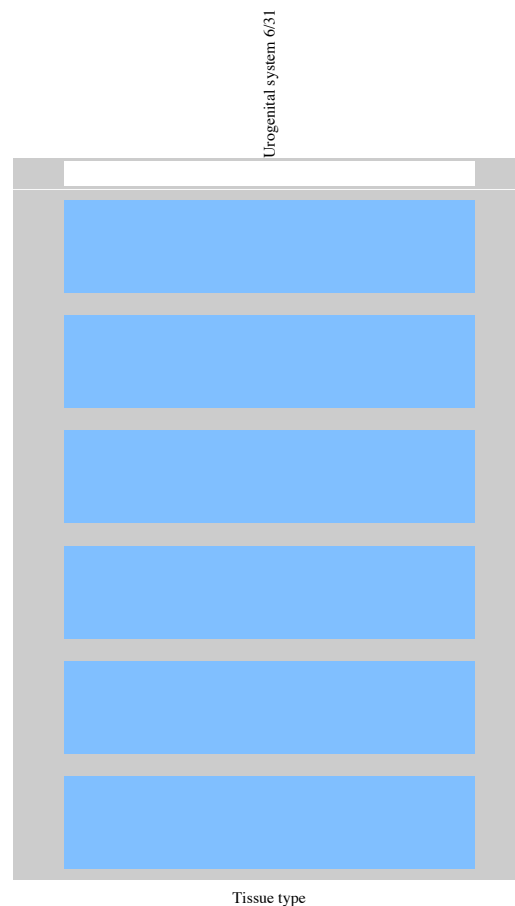
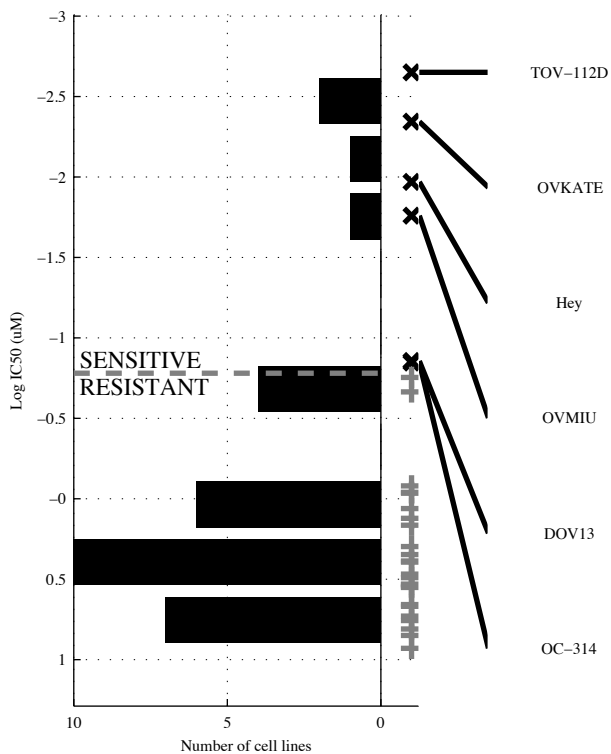
22 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>PTEN</b>	<b>~SMAD&amp;d(ARID</b>	<b>~SMAD&amp;d(ARID&amp;</b>	<b>~SMAD&amp;d(ARID&amp;</b>	<b>PTEN   d9q31.</b>	<b>[ KRAS &amp; ~TP53 ]   [ ~SMAD&amp;d(ARID ]</b>	<b>PTEN   d(RB1)   d9q31.</b>	<b>PTEN   d19q13   a(SOX1   d(RB1)</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{2}{4} \mid \frac{1}{15}$ 0.94 0.67 0.33	$\frac{4}{2} \mid \frac{0}{16}$ 1 0.67	$\frac{4}{2} \mid \frac{0}{16}$ 1 0.67	$\frac{4}{2} \mid \frac{0}{16}$ 1 0.67	$\frac{4}{2} \mid \frac{1}{15}$ 0.94 0.8 0.67	$\frac{6}{0} \mid \frac{0}{16}$ 1 1	$\frac{5}{1} \mid \frac{1}{15}$ 0.94 0.83 0.83	$\frac{6}{0} \mid \frac{1}{15}$ 0.94 0.86 1

OV  
 id: 1230 name: IOX2  
 target: EGLN1 class: other

31 cell lines  
 6 sensitive



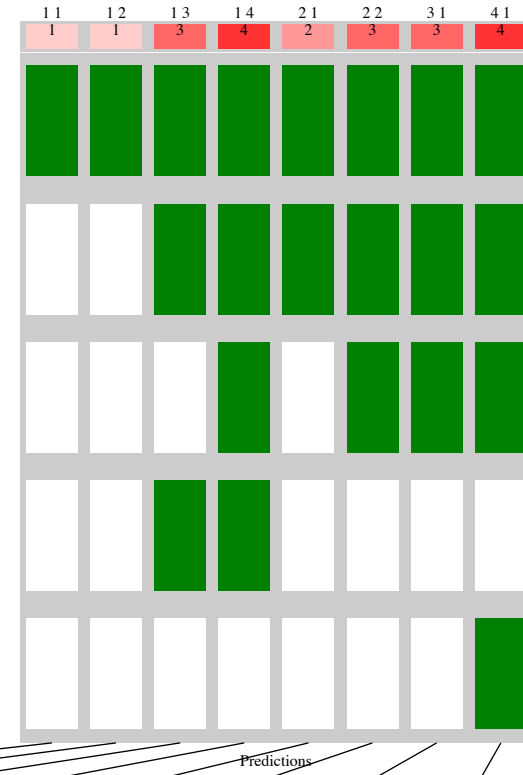
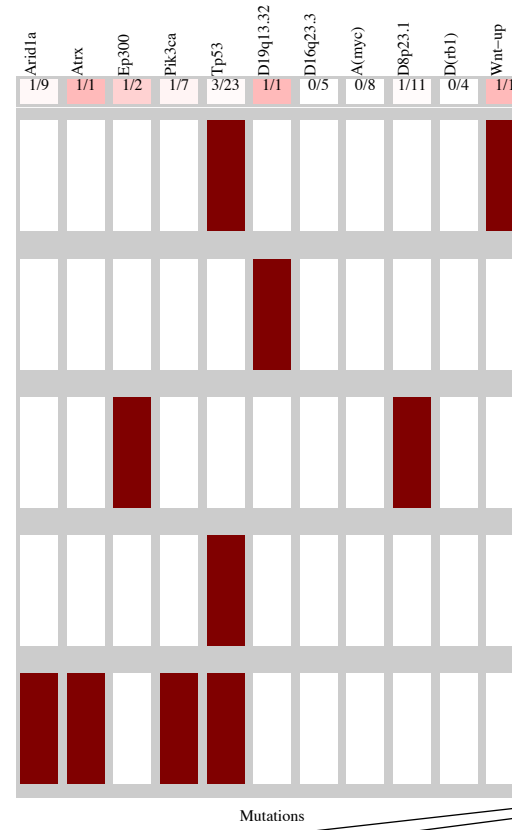
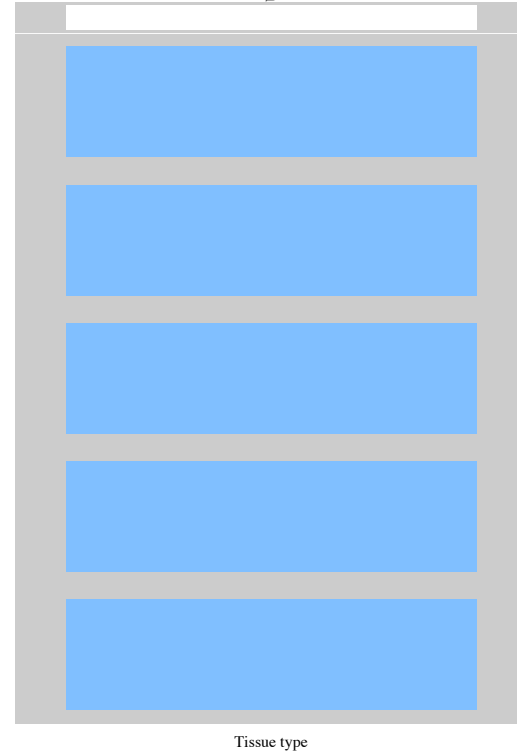
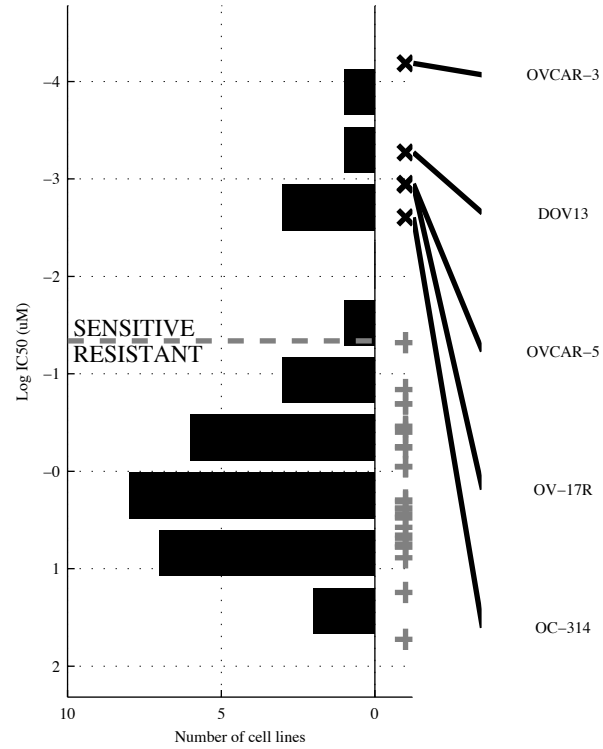
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>CTNNB1</b>	<b>dXp22.&amp;-d8p23.</b>	<b>-ARID1&amp;a(CCNE&amp;-d8p23.</b>	<b>-ARID1&amp;a(CCNE&amp;-d8p23.&amp;MAPK o</b>	<b>CTNNB1DNMT3A</b>	<b>[ dXp22.&amp;-d8p23.]   [ a(SOX1&amp;-a3q27.) ]</b>	<b>BRAF  CTNNB1  Wnt-DO</b>	<b>BRAF  CTNNB1  d19q13   d14q23</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{2}{4} \mid \frac{0}{25}$ 1 0.33	$\frac{2}{4} \mid \frac{2}{23}$ 0.92 0.5 0.33	$\frac{4}{2} \mid \frac{4}{21}$ 0.84 0.5 0.67	$\frac{4}{2} \mid \frac{3}{22}$ 0.88 0.57 0.67	$\frac{3}{3} \mid \frac{0}{25}$ 1 1 0.5	$\frac{4}{2} \mid \frac{2}{23}$ 0.92 0.67 0.67	$\frac{5}{1} \mid \frac{0}{25}$ 1 1 0.83	$\frac{6}{0} \mid \frac{0}{25}$ 1 1 1



OV  
 id: 1261 name: rTRAIL  
 target: TR10A (DR4), TR10B (DR5) class: apoptosis regulation

32 cell lines  
 5 sensitive

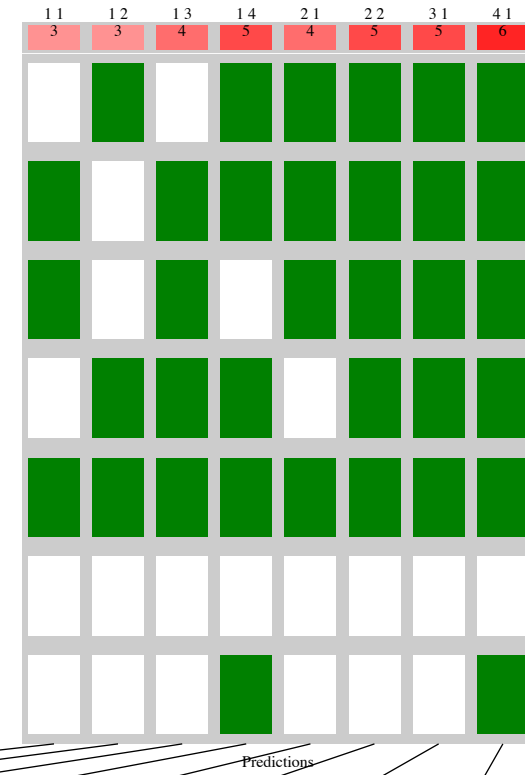
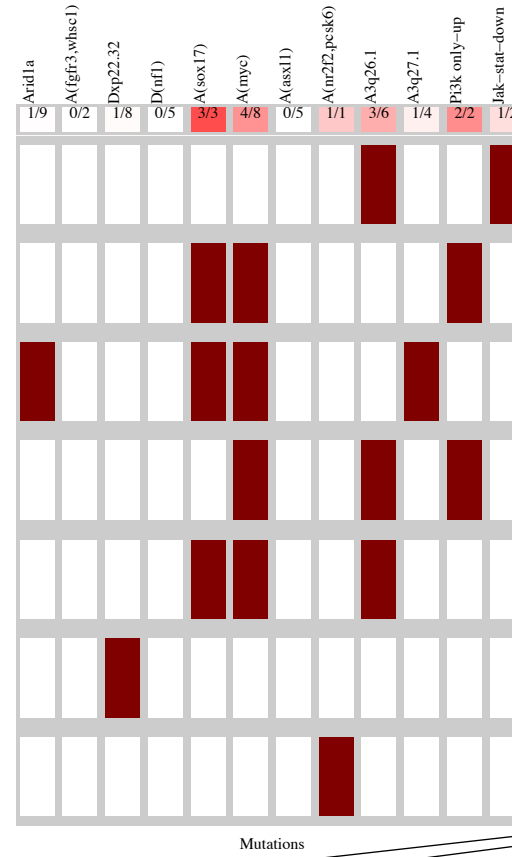
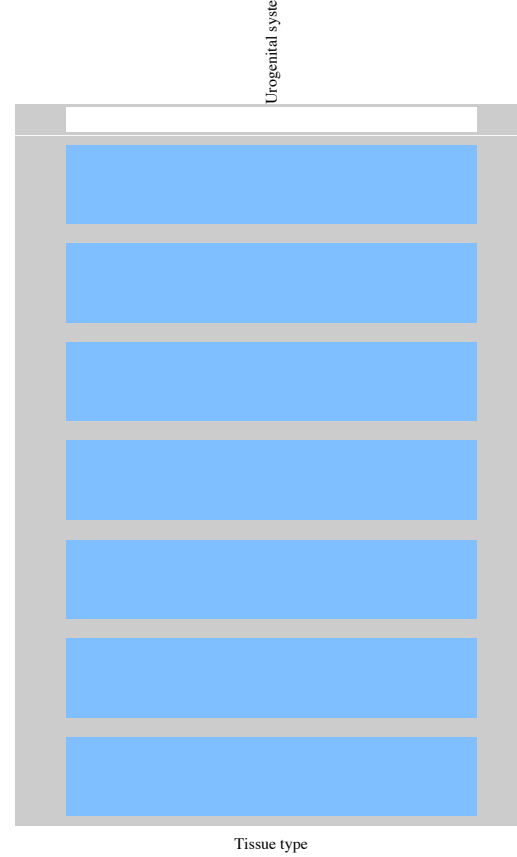
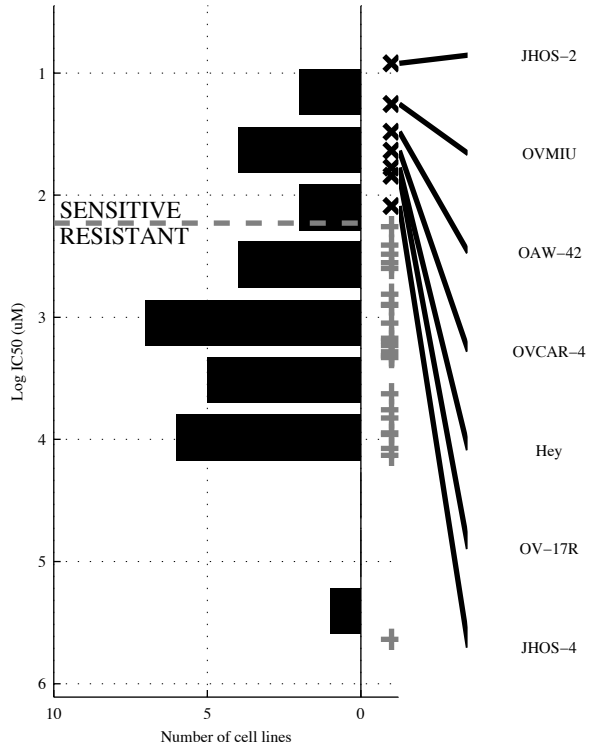
Urogenital system 5/32



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>Wnt-UP</b>	<b>Wnt-UP &amp;</b>	<b>¬ARID1 &amp; ¬a(MYC &amp;</b> <b>¬d8p23.</b>	<b>¬ARID1 &amp; ¬d16q23 &amp;</b> <b>¬a(MYC &amp; ¬d(RB1)</b>	<b>d19q13   Wnt-UP</b>	<b>[¬a(MYC &amp; Wnt-UP]</b> <b> </b> <b>[¬PIK3CA &amp; ¬TP53 ]</b>	<b>EP300   d19q13  </b> <b>Wnt-UP</b>	<b>ATRX   EP300  </b> <b>d19q13   Wnt-UP</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{4} \mid \frac{0}{27}$ 1 0.2	$\frac{1}{4} \mid \frac{0}{27}$ 1 0.2	$\frac{3}{2} \mid \frac{5}{22}$ 0.81 0.38 0.6	$\frac{4}{1} \mid \frac{5}{22}$ 0.81 0.44 0.8	$\frac{2}{3} \mid \frac{0}{27}$ 1 0.4	$\frac{3}{2} \mid \frac{3}{24}$ 0.89 0.5 0.6	$\frac{3}{2} \mid \frac{1}{26}$ 0.96 0.75 0.6	$\frac{4}{1} \mid \frac{1}{26}$ 0.96 0.8 0.8

OV  
 id: 1268 name: XAV 939  
 target: TNKS1 (tankyrase-1) class: WNT signaling

31 cell lines  
 7 sensitive

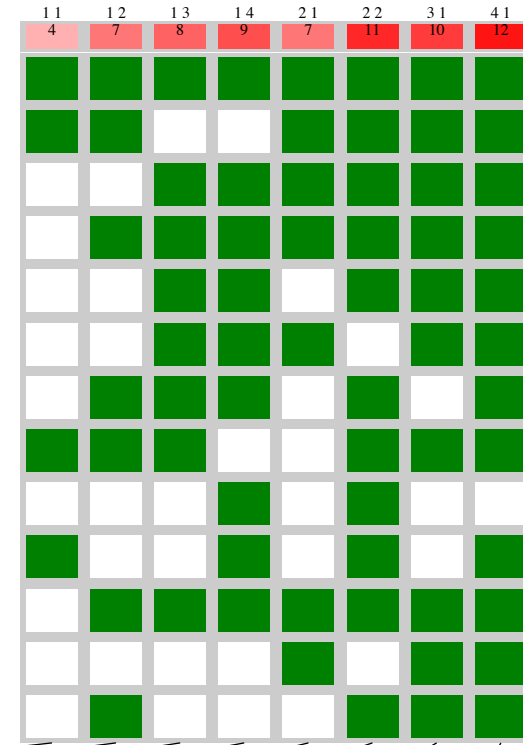
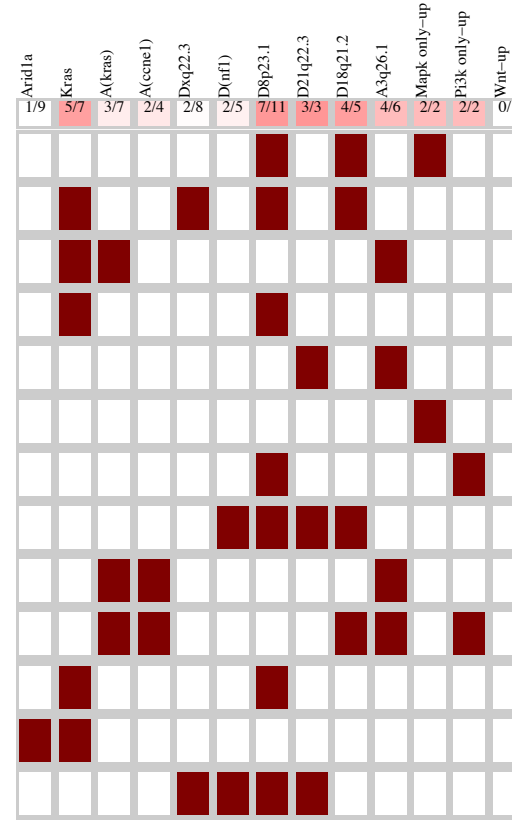
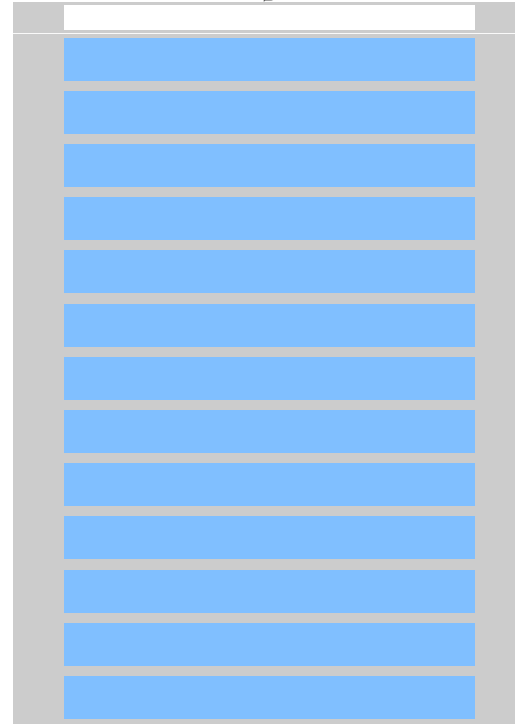
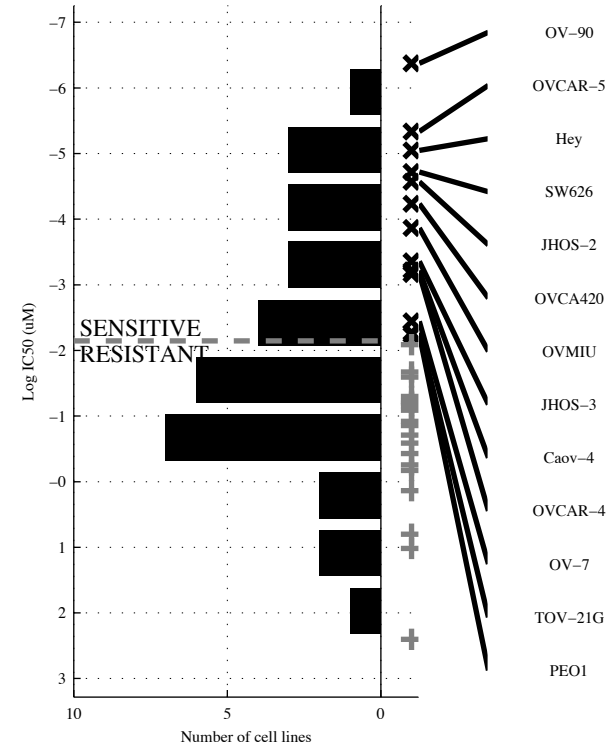


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a(SOX1)</b>	<b>a3q26. &amp; ¬a3q27.</b>	<b>¬a(FGFR&amp;¬d(NF1)&amp;a(MYC))</b>	<b>¬ARID1&amp;¬dXp22&amp;¬d(NF1)&amp;a(ASXL)</b>	<b>a(SOX1   JAK-ST)</b>	<b>[ a(SOX1&amp; ) ]   [ a3q26. &amp; ¬a3q27. ]</b>	<b>a(SOX1   PI3K o   JAK-ST)</b>	<b>a(SOX1   a(NR2F   PI3K o   JAK-ST)</b>
TP   FP	3   0	3   0	4   1	5   4	4   1	5   0	5   1	6   1
Specificity	1	1	0.96	0.83	0.96	1	0.96	0.96
FN   TN	4   24	4   24	3   23	2   20	3   23	2   24	2   23	1   23
Precision	1	1	0.8	0.56	0.8	1	0.83	0.86
Recall	0.43	0.43	0.57	0.71	0.57	0.71	0.71	0.86

OV  
 id: 1372 name: Trametinib  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

32 cell lines  
 13 sensitive

Urogenital system 13/32

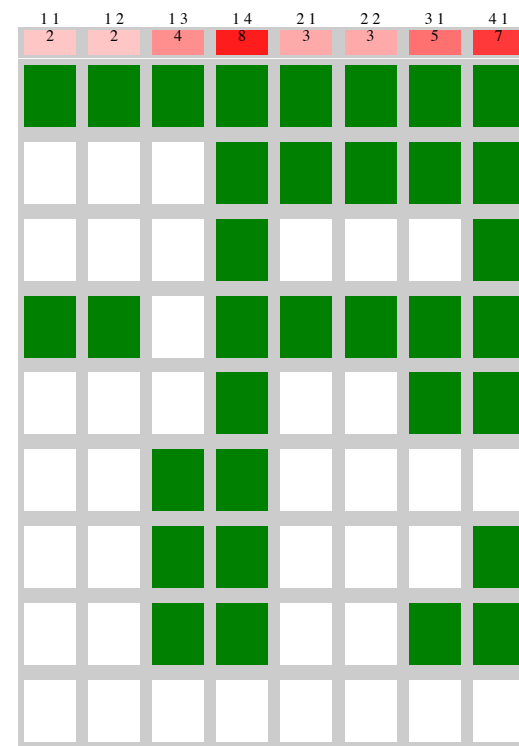
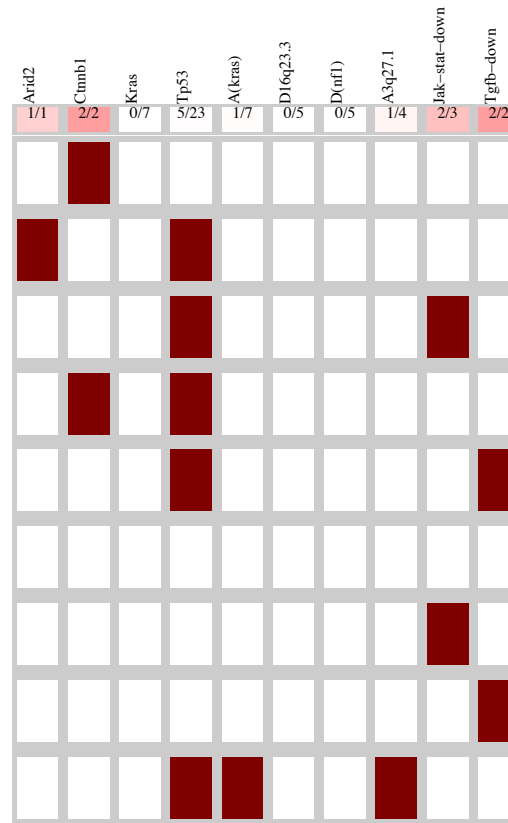
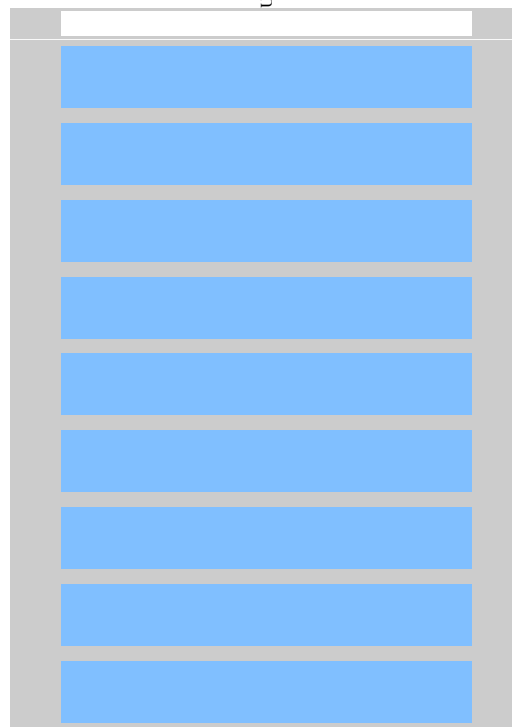
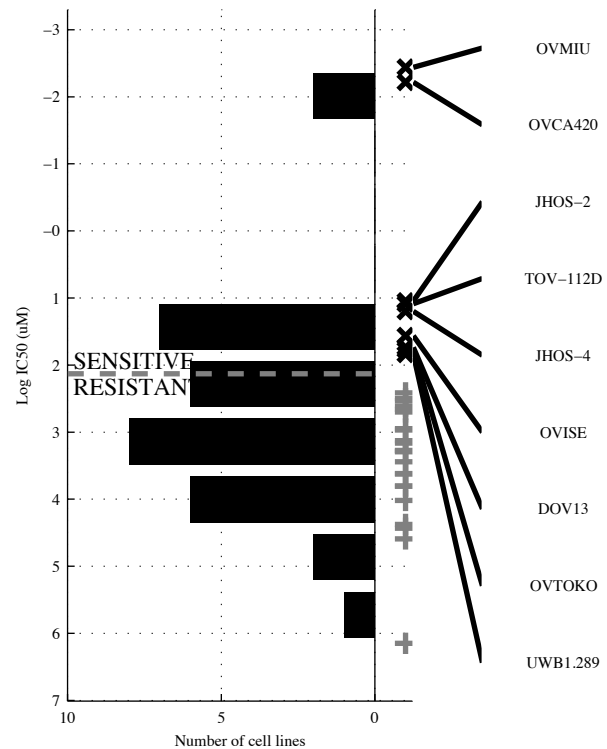


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d18q21</b>	<b>¬a(KRAS &amp; d8p23)</b>	<b>¬ARID1A &amp; a(CCNE1) &amp; ¬dXq22</b>	<b>¬ARID1A &amp; ¬dXq22 &amp; ¬d(NF1) &amp; Wnt-UP</b>	<b>KRAS   MAPK o</b>	<b>[¬dXq22 &amp; a3q26.]   [¬a(KRAS &amp; d8p23).]</b>	<b>KRAS   d21q22   MAPK o</b>	<b>KRAS   d21q22   MAPK o   PI3K o</b>
Specificity	4   1 0.95	7   2 0.89	8   3 0.84	9   2 0.89	7   2 0.89	11   2 0.89	10   2 0.89	12   2 0.89
Precision	4   9 0.8	7   6 0.78	8   5 0.73	9   4 0.82	7   6 0.78	11   2 0.85	10   3 0.83	12   1 0.86
Recall	1   18 0.31	2   17 0.54	3   16 0.62	4   17 0.69	2   17 0.54	2   17 0.85	1   17 0.77	2   17 0.92

OV  
 id: 1377 name: Afatinib (rescreen)  
 target: ERBB2, EGFR class: EGFR signaling

32 cell lines  
 9 sensitive

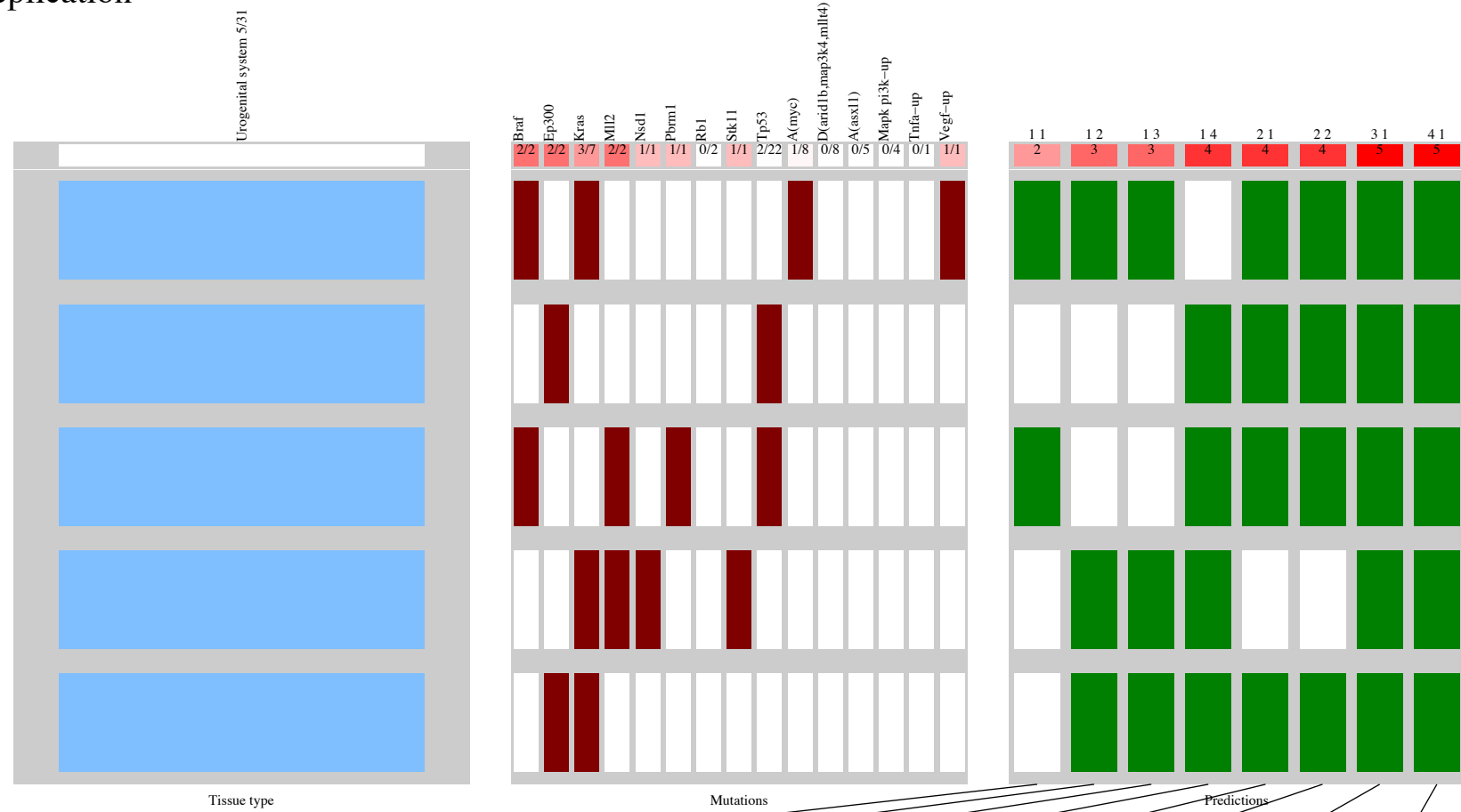
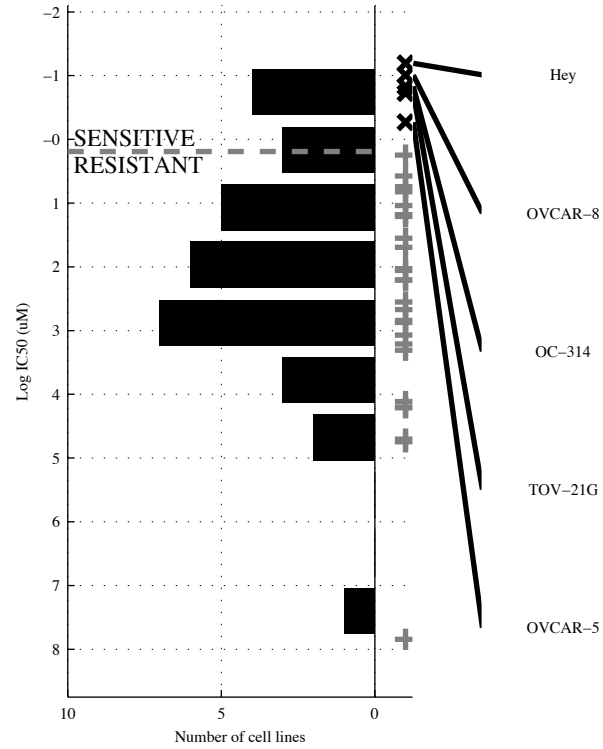
Urogenital system 9/32



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>CTNNB1</b>	<b>CTNNB1</b>	<b>-KRAS &amp; -TP53 &amp; -a3q27.</b>	<b>-KRAS &amp; a(KRA &amp; -d16q23 &amp; -d(NF1)</b>	<b>ARID2   CTNNB1</b>	<b>[CTNNB &amp;   [ ARID2 &amp; -a3q27. ]</b>	<b>ARID2   CTNNB1   TGFB-D</b>	<b>ARID2   CTNNB1   JAK-STITGFB-D</b>
TP   FP	2   0	2   0	4   0	8   4	3   0	3   0	5   0	7   1
Specificity	1	1	1	0.83	1	1	1	0.96
FN   TN	7   23	7   23	5   23	1   19	6   23	6   23	4   23	2   22
Precision	1	1	1	0.67	1	1	1	0.88
Recall	0.22	0.22	0.44	0.89	0.33	0.33	0.56	0.78

OV  
 id: 1378 name: Bleomycin (50 uM)  
 target: DNA damage class: DNA replication

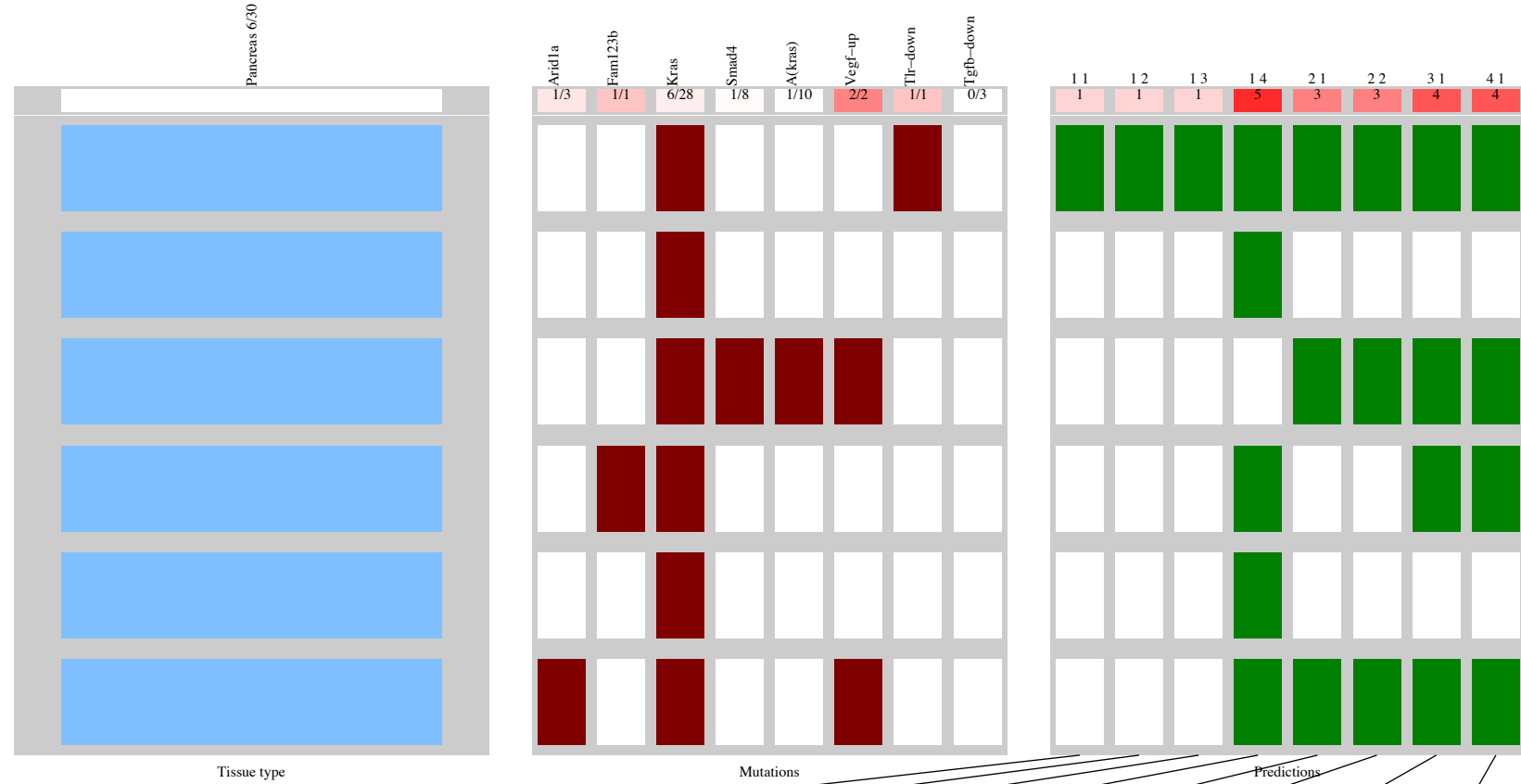
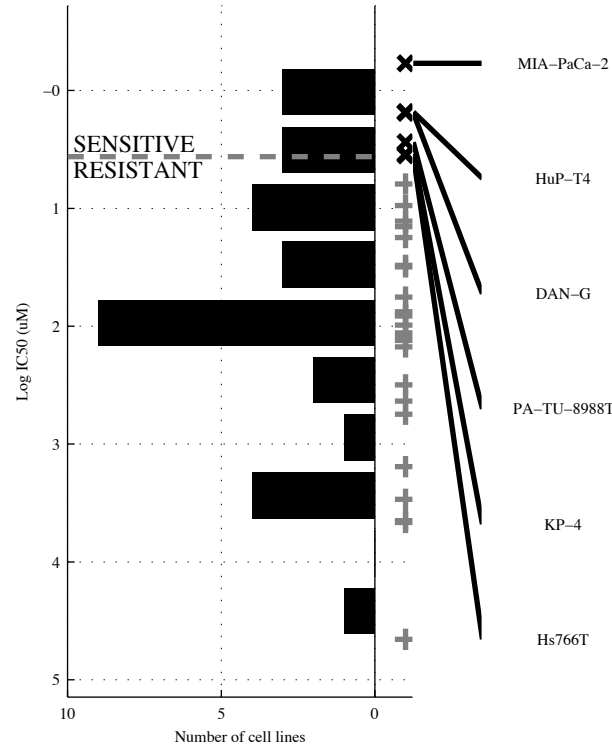
31 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>BRAF</b>	<b>KRAS &amp; -TP53</b>	<b>KRAS &amp; -RB1 &amp; -TP53</b>	<b>-a(MYC &amp; d(ARID1A)) &amp; -a(ASXL1 &amp; MAPK P</b>	<b>BRAF   EP300</b>	<b>[ BRAF &amp; -NSD1 ]   [ EP300 &amp; TNF-a-U</b>	<b>EP300   MLL2   VEGF-U</b>	<b>EP300   PBRM1   STK11   VEGF-U</b>
TP   FP	2   0	3   0	3   0	4   5	4   0	4   0	5   0	5   0
Specificity	1	1	1	0.81	1	1	1	1
FN   TN	3   26	2   26	2   26	1   21	1   26	1   26	0   26	0   26
Precision	1	1	1	0.44	1	1	1	1
Recall	0.4	0.6	0.6	0.8	0.8	0.8	1	1

PAAD  
 id: 173 name: FH535  
 target: unknown class: other

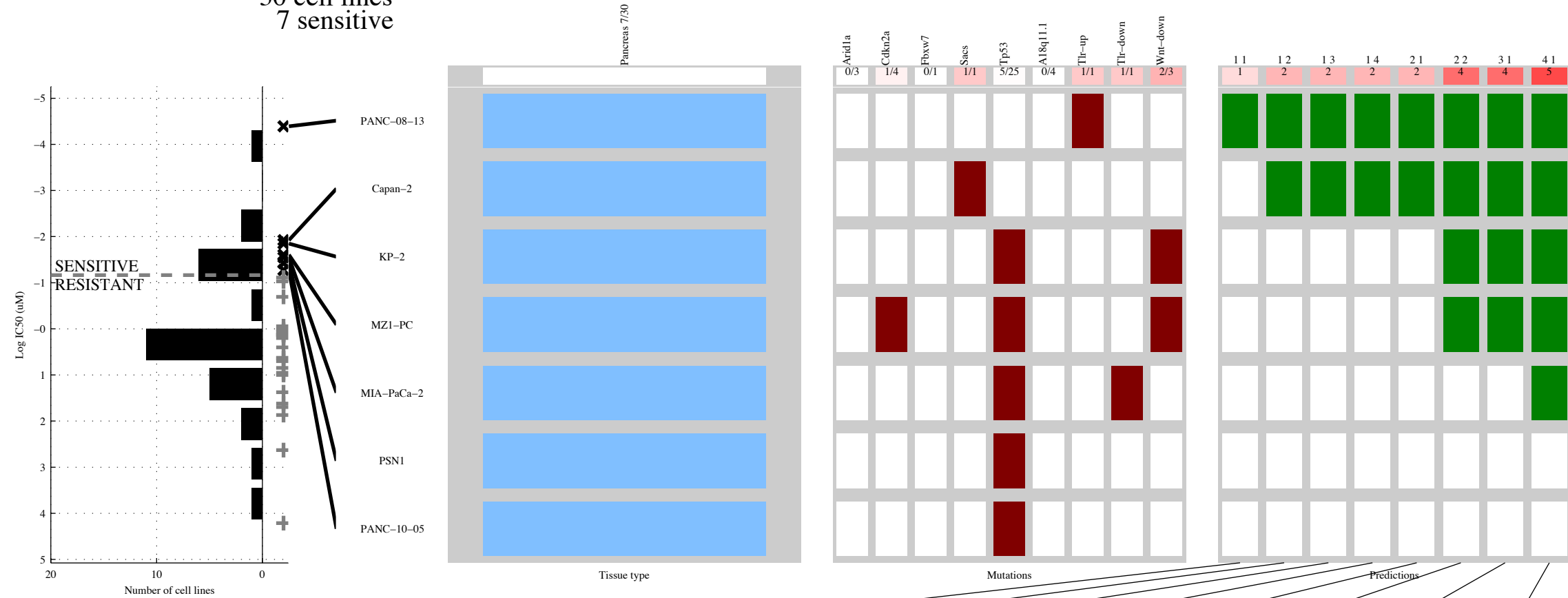
30 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>TLR-DO</b>	<del>ARID1A</del> & <b>TLR-DO</b>	<b>TLR-DO</b> & <del>SMAD4</del>	<b>KRAS &amp; SMAD4</b> & <del>ARID1A</del> & <b>TLR-DO</b>	<b>VEGF-U</b> & <b>TLR-DO</b>	<del>VEGF-U</del> & <b>TLR-DO</b>	<b>FAM123</b> & <b>VEGF-U</b> & <b>TLR-DO</b>	<b>FAM123</b> & <b>VEGF-U</b> & <b>TLR-DO</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{5} \mid \frac{0}{24}$ 1 1 0.17	$\frac{1}{5} \mid \frac{0}{24}$ 1 1 0.17	$\frac{1}{5} \mid \frac{0}{24}$ 1 1 0.17	$\frac{5}{1} \mid \frac{4}{20}$ 0.83 0.56 0.83	$\frac{3}{3} \mid \frac{0}{24}$ 1 1 0.5	$\frac{3}{3} \mid \frac{0}{24}$ 1 1 0.5	$\frac{4}{2} \mid \frac{0}{24}$ 1 1 0.67	$\frac{4}{2} \mid \frac{0}{24}$ 1 1 0.67

PAAD  
 id: 184 name: BMS-754807  
 target: IGF1R class: IGFR signaling

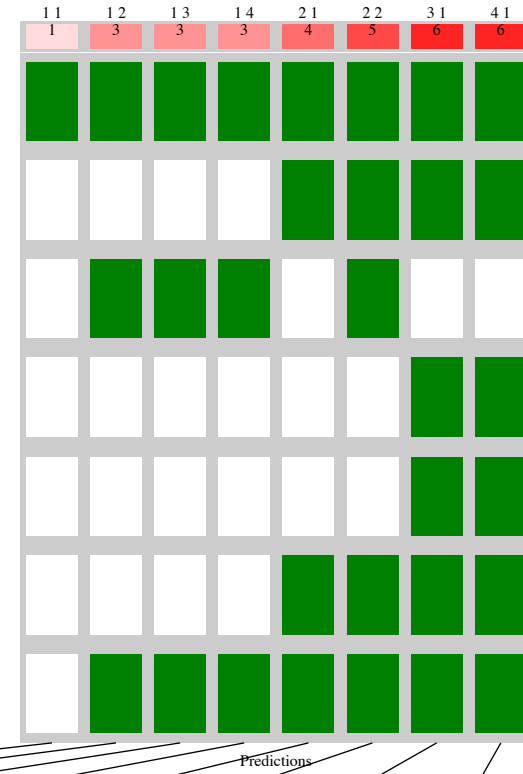
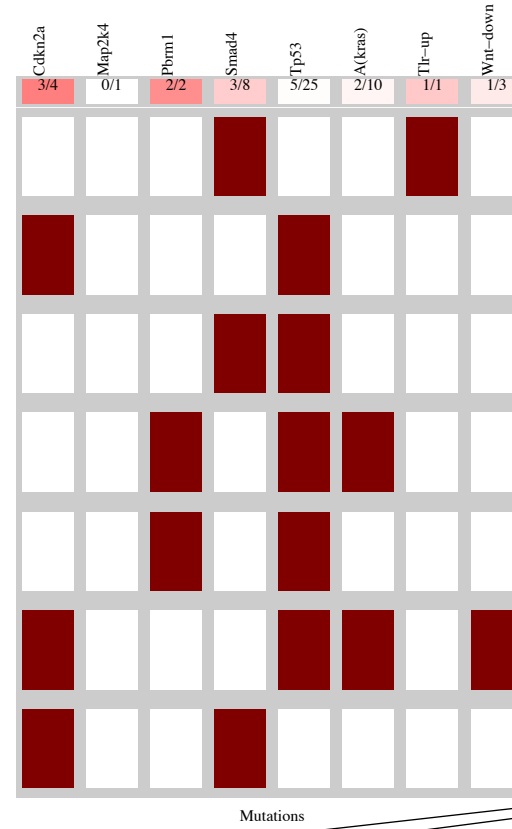
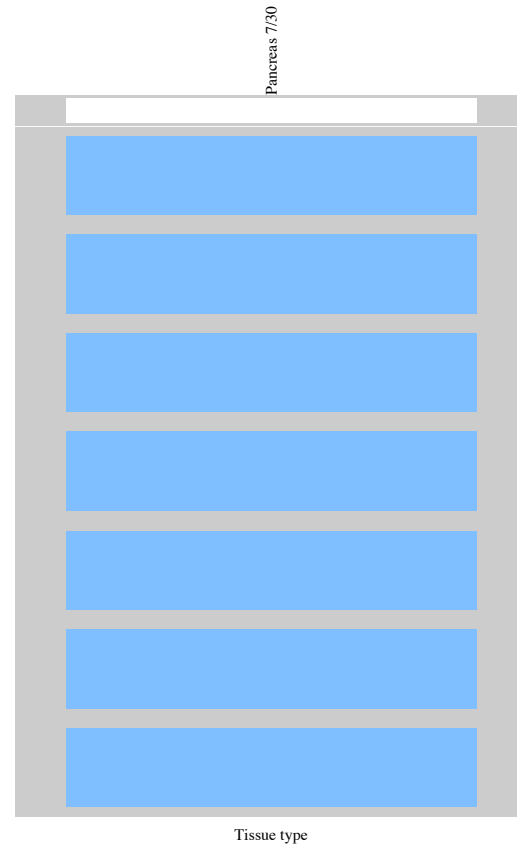
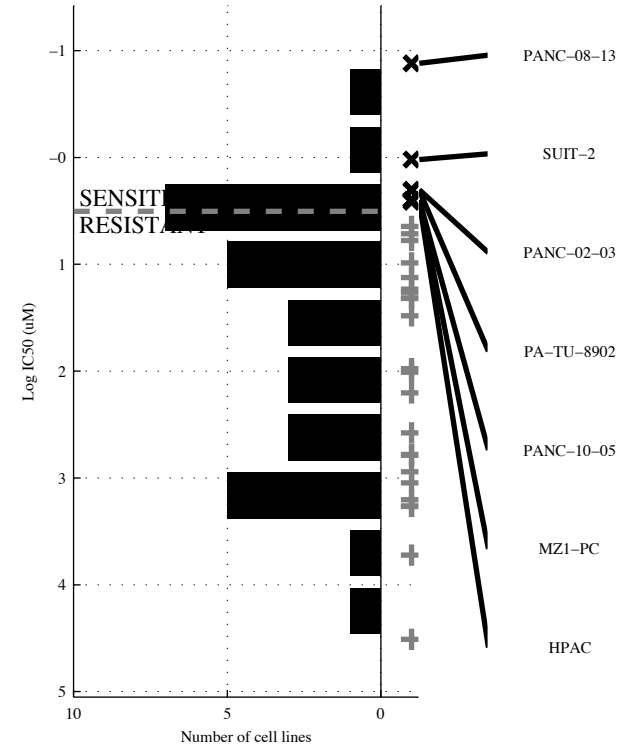
30 cell lines  
 7 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>TLR-UP</b>	<b>-CDKN2&amp; -TP53</b>	<b>-ARID1&amp; -TP53 &amp; -a18q11</b>	<b>-ARID1&amp; -TP53 &amp; -a18q11&amp;</b>	<b>SACS  TLR-UP</b>	<b>[ -FBXW7 &amp; Wnt-DO ]   [ -ARID1&amp; -TP53 ]</b>	<b>SACS  TLR-UP   Wnt-DO</b>	<b>SACS  TLR-UP   TLR-DOWnt-DO</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{6} \mid \frac{0}{23}$ 1 0.14	$\frac{2}{5} \mid \frac{1}{22}$ 0.96 0.67 0.29	$\frac{2}{5} \mid \frac{0}{23}$ 1 0.29	$\frac{2}{5} \mid \frac{0}{23}$ 1 0.29	$\frac{2}{5} \mid \frac{0}{23}$ 1 0.29	$\frac{4}{3} \mid \frac{1}{22}$ 0.96 0.8 0.57	$\frac{4}{3} \mid \frac{1}{22}$ 0.96 0.8 0.57	$\frac{5}{2} \mid \frac{1}{22}$ 0.96 0.83 0.71

PAAD  
 id: 185 name: OSI-906  
 target: IGF1R class: IGFR signaling

30 cell lines  
 7 sensitive

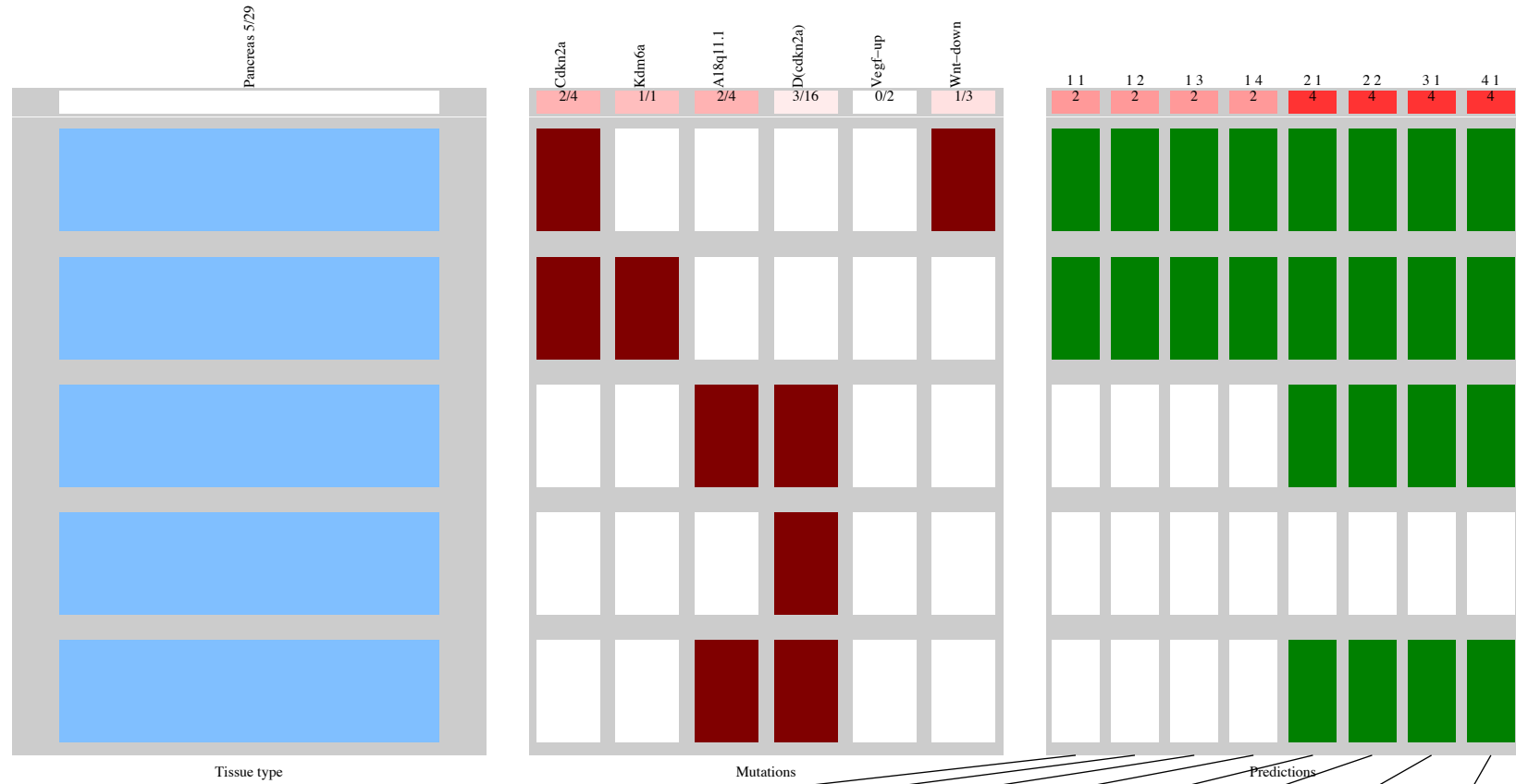
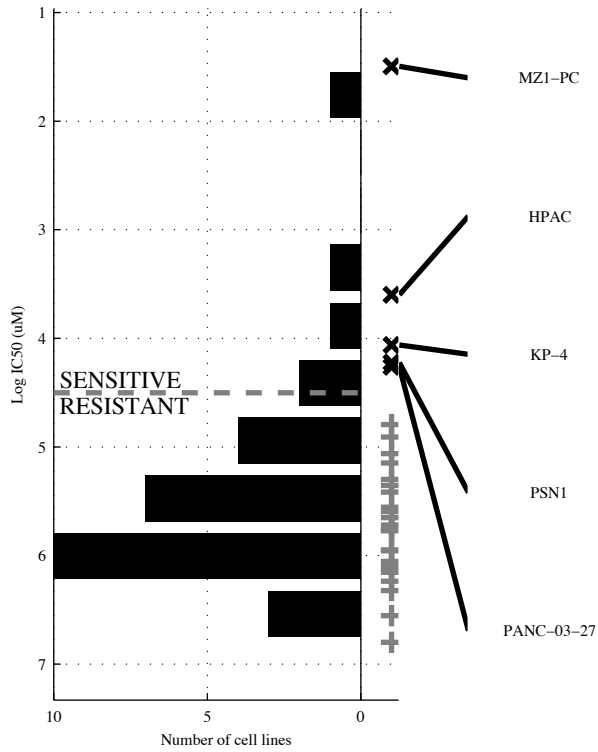


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>TLR-UP</b>	<b>SMAD4 &amp; Wnt-DO</b>	<b>SMAD4 &amp; a(KRAS)</b> <b>-Wnt-DO</b>	<b>-MAP2K &amp; SMAD4</b> <b>-a(KRAS) &amp; Wnt-DO</b>	<b>CDKN2A   TLR-UP</b>	<b>[CDKN2A &amp; TP53]</b> <b> </b> <b>[SMAD4 &amp; Wnt-DO]</b>	<b>CDKN2A   PBRM1  </b> <b>TLR-UP</b>	<b>CDKN2A   PBRM1  </b> <b>TLR-UP  </b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{6} \mid \frac{0}{23}$ 1 0.14	$\frac{3}{4} \mid \frac{3}{20}$ 0.87 0.5 0.43	$\frac{3}{4} \mid \frac{1}{22}$ 0.96 0.75 0.43	$\frac{3}{4} \mid \frac{0}{23}$ 1 1 0.43	$\frac{4}{3} \mid \frac{1}{22}$ 0.96 0.8 0.57	$\frac{5}{2} \mid \frac{3}{20}$ 0.87 0.63 0.71	$\frac{6}{1} \mid \frac{1}{22}$ 0.96 0.86 0.86	$\frac{6}{1} \mid \frac{1}{22}$ 0.96 0.86 0.86



PAAD  
 id: 193 name: GW-2580  
 target: CSF1R (cFMS) class: RTK signaling

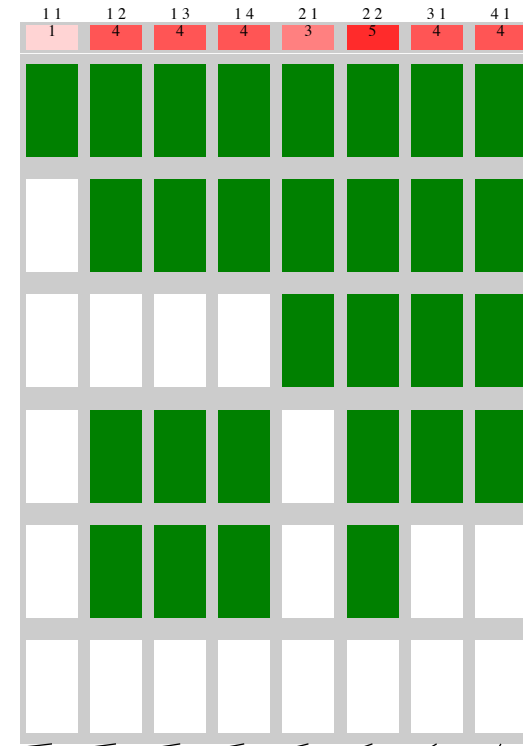
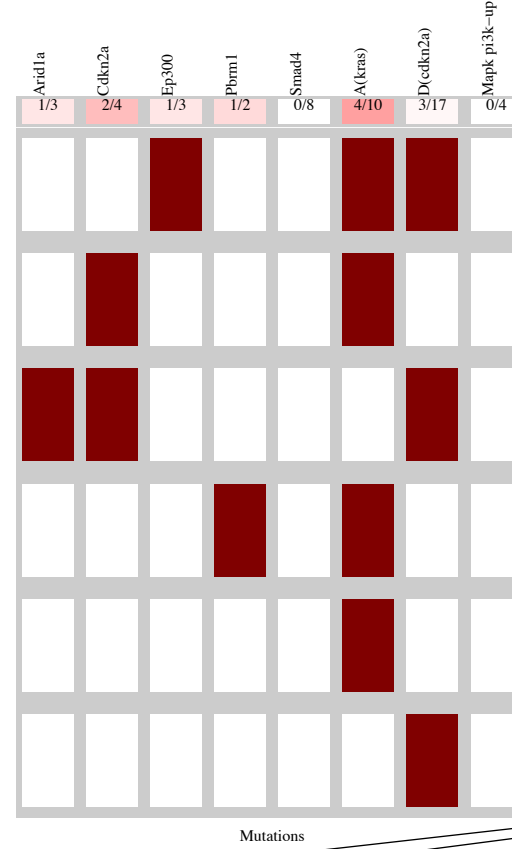
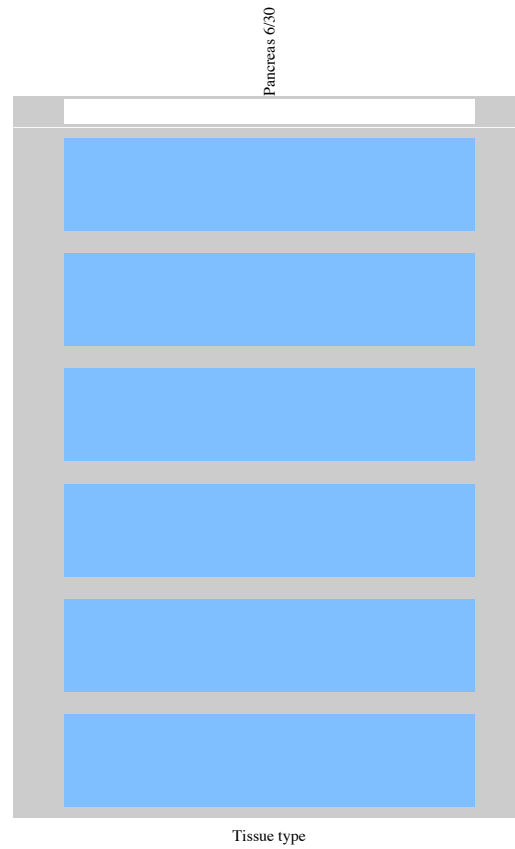
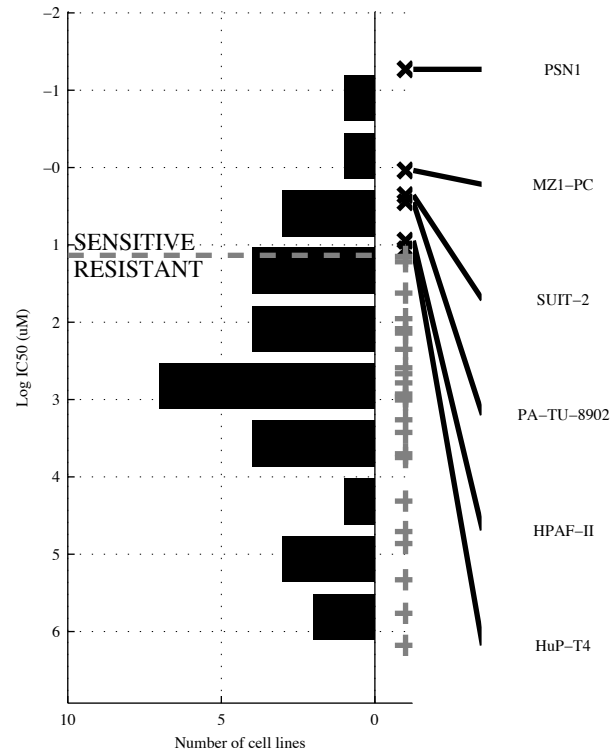
29 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>CDKN2A</b>	<b>CDKN2A &amp; VEGF-U</b>	<b>CDKN2A &amp; d(CDKN2A)</b> <b>-VEGF-U</b>	<b>CDKN2A &amp; d(CDKN2A)</b> <b>-VEGF-U</b>	<b>CDKN2A   a18q11</b>	<b>[CDKN2A &amp; VEGF-U]</b> <b> </b> <b>[ a18q11 &amp; d(CDKN2A)]</b>	<b>KDM6A   a18q11  </b> <b>Wnt-DO</b>	<b>KDM6A   a18q11  </b> <b>Wnt-DO  </b>
Specificity	$\frac{2}{3}$   $\frac{2}{22}$   0.92	$\frac{2}{3}$   $\frac{1}{23}$   0.96	$\frac{2}{3}$   $\frac{0}{24}$   1	$\frac{2}{3}$   $\frac{0}{24}$   1	$\frac{4}{1}$   $\frac{4}{20}$   0.83	$\frac{4}{1}$   $\frac{1}{23}$   0.96	$\frac{4}{1}$   $\frac{4}{20}$   0.83	$\frac{4}{1}$   $\frac{4}{20}$   0.83
Precision	$\frac{2}{3}$   $\frac{2}{22}$   0.5	$\frac{2}{3}$   $\frac{1}{23}$   0.67	$\frac{2}{3}$   $\frac{0}{24}$   1	$\frac{2}{3}$   $\frac{0}{24}$   1	$\frac{4}{1}$   $\frac{4}{20}$   0.5	$\frac{4}{1}$   $\frac{1}{23}$   0.8	$\frac{4}{1}$   $\frac{4}{20}$   0.5	$\frac{4}{1}$   $\frac{4}{20}$   0.5
Recall	$\frac{2}{3}$   $\frac{2}{22}$   0.4	$\frac{2}{3}$   $\frac{1}{23}$   0.4	$\frac{2}{3}$   $\frac{0}{24}$   0.4	$\frac{2}{3}$   $\frac{0}{24}$   0.4	$\frac{4}{1}$   $\frac{4}{20}$   0.8	$\frac{4}{1}$   $\frac{1}{23}$   0.8	$\frac{4}{1}$   $\frac{4}{20}$   0.8	$\frac{4}{1}$   $\frac{4}{20}$   0.8

PAAD  
 id: 224 name: AS605240  
 target: PI3Kgamma class: PI3K signaling

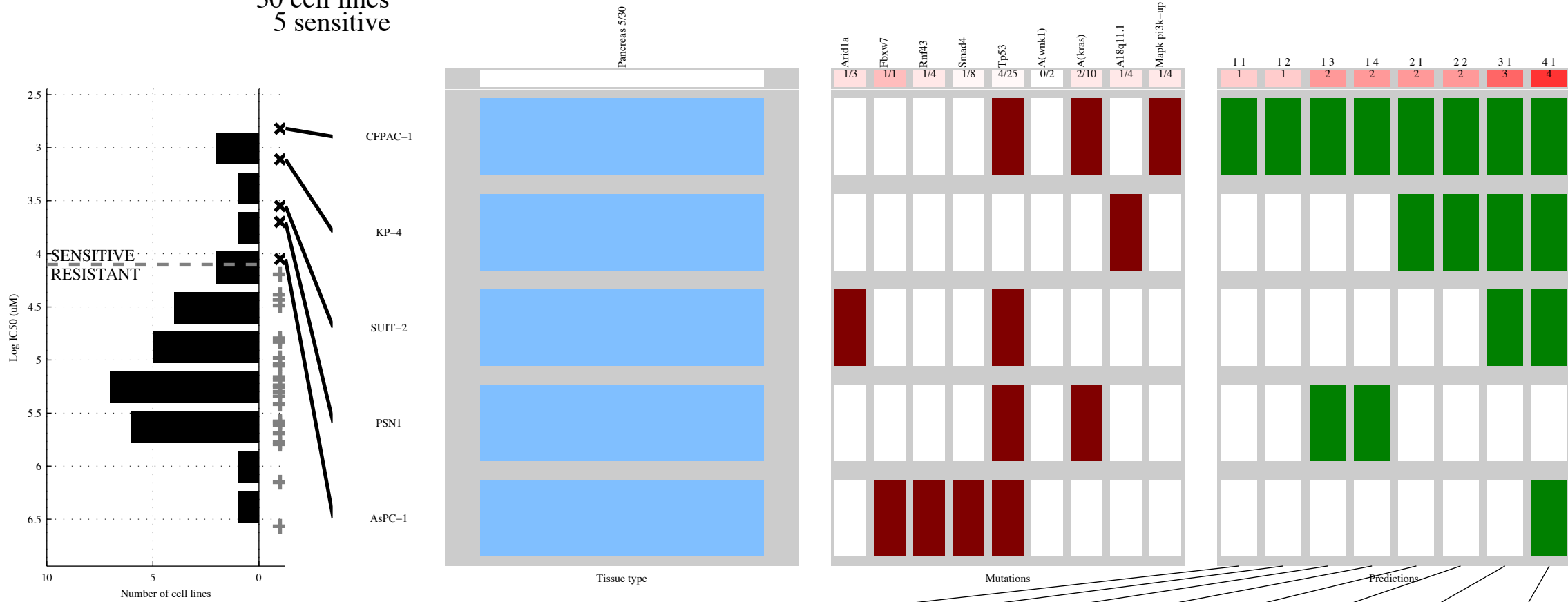
30 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>EP300</b>	<b>~SMAD4 &amp; a(KRAS)</b>	<b>~SMAD4 &amp; a(KRAS &amp; ~MAPK P)</b>	<b>~ARID1A &amp; SMAD4 &amp; a(KRAS &amp; MAPK P)</b>	<b>CDKN2A   EP300</b>	<b>[ARID1A &amp; i(CDKN2A)   PBRM1]</b>	<b>CDKN2A   EP300   PBRM1</b>	<b>ARID1A   CDKN2A   EP300   PBRM1</b>
TP   FP	1   2	4   4	4   3	4   3	3   4	5   4	4   4	4   4
Specificity	0.92	0.83	0.88	0.88	0.83	0.83	0.83	0.83
FN   TN	5   22	2   20	2   21	2   21	3   20	1   20	2   20	2   20
Precision	0.33	0.5	0.57	0.57	0.43	0.56	0.5	0.5
Recall	0.17	0.67	0.67	0.67	0.5	0.83	0.67	0.67

PAAD  
 id: 231 name: FMK  
 target: RSK class: ERK MAPK signaling

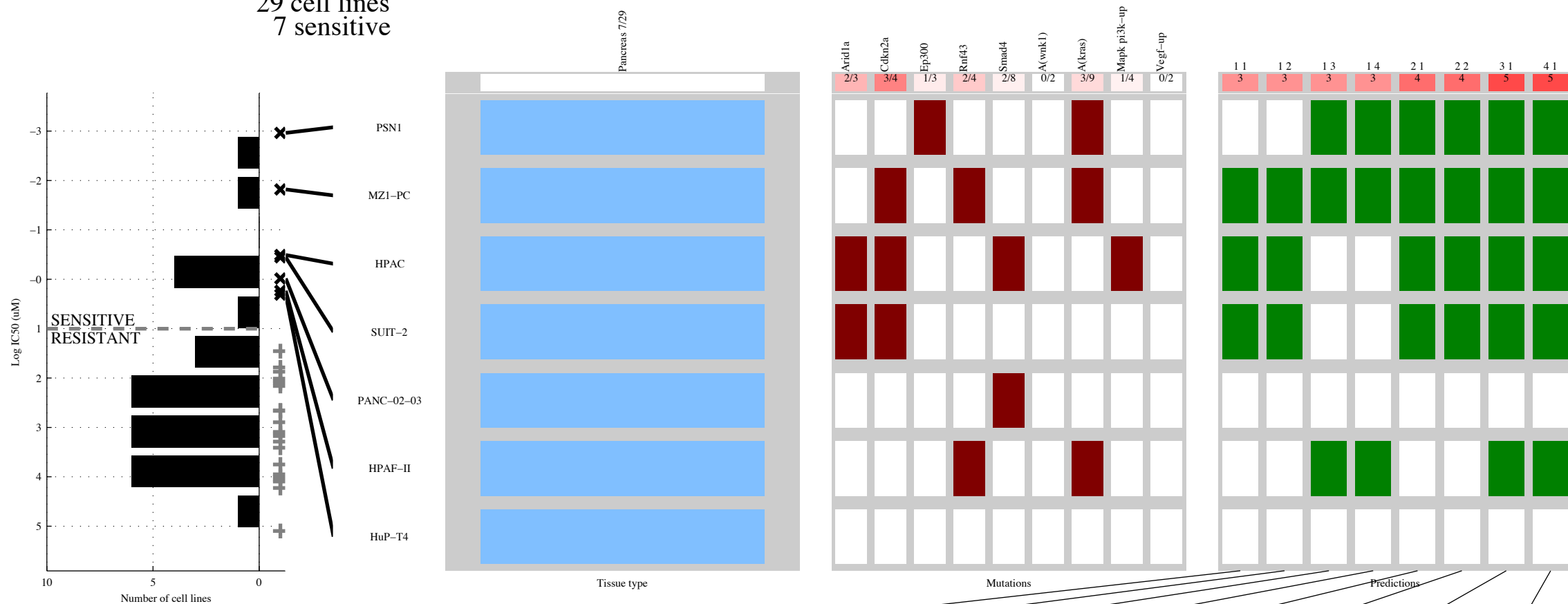
30 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>MAPK P</b>	<b>a(KRAS &amp; MAPK P)</b>	<b>-SMAD4 &amp; a(WNK &amp; a(KRAS</b>	<b>-RNF43 &amp; SMAD4 &amp; a(WNK &amp; a(KRAS</b>	<b>a18q11   MAPK P</b>	<b>[ -TP53 &amp; a18q11 ]   a(KRAS &amp; MAPK P)</b>	<b>ARID1A   -TP53   MAPK P</b>	<b>ARID1A   FBXW7   -TP53   MAPK P</b>
TP   FP Specificity	1   3 0.88	1   0 1	2   4 0.84	2   2 0.92	2   5 0.8	2   0 1	3   5 0.8	4   5 0.8
FN   TN Precision	4   22 0.25	4   25 1	3   21 0.33	3   23 0.5	3   20 0.29	3   25 1	2   20 0.38	1   20 0.44
Recall	0.2	0.2	0.4	0.4	0.4	0.4	0.6	0.8

PAAD  
 id: 262 name: VX-11e  
 target: ERK class: ERK MAPK signaling

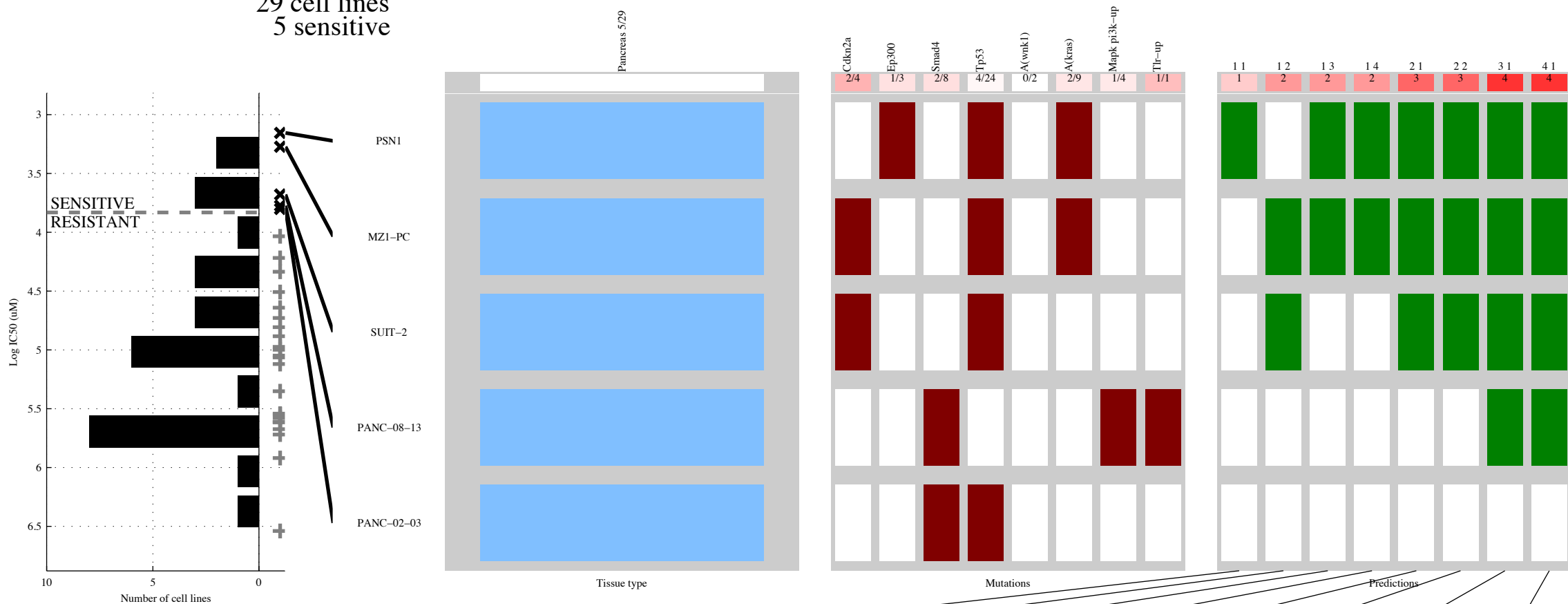
29 cell lines  
 7 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	M															
Logic formula	<b>CDKN2A</b>		<b>CDKN2A &amp; VEGF-U</b>		<b>-SMAD4 &amp; a(WNK &amp; a(KRAS</b>		<b>-SMAD4 &amp; a(WNK &amp; a(KRAS &amp; MAPK P</b>		<b>CDKN2A   EP300</b>		<b>[CDKN2A &amp; VEGF-U   EP300 &amp; a(KRAS]</b>		<b>ARID1A   EP300   RNF43</b>		<b>ARID1A   EP300   RNF43  </b>	
TP   FP	3   1	0.95	3   0	1	3   2	0.91	3   1	0.95	4   3	0.86	4   0	1	5   4	0.82	5   4	0.82
FN   TN	4   21	0.75	4   22	1	4   20	0.6	4   21	0.75	3   19	0.57	3   22	1	2   18	0.56	2   18	0.56
Specificity																
Precision																
Recall				0.43		0.43		0.43		0.57		0.57		0.71		0.71

PAAD  
 id: 263 name: FR-180204  
 target: ERK class: ERK MAPK signaling

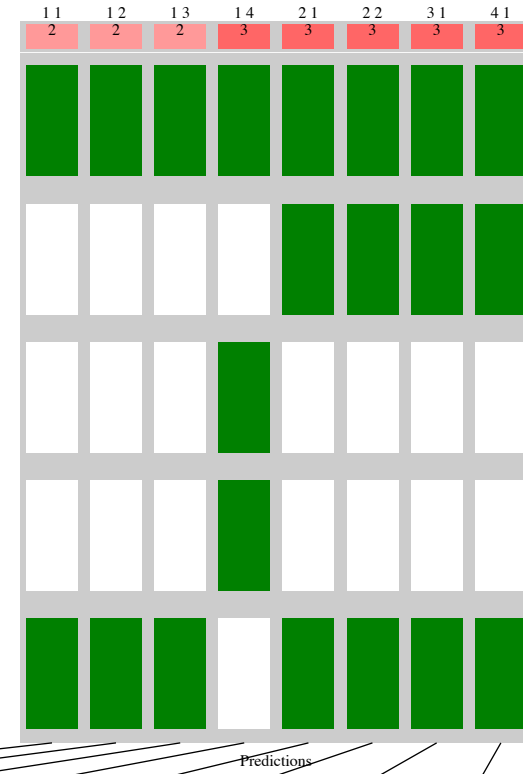
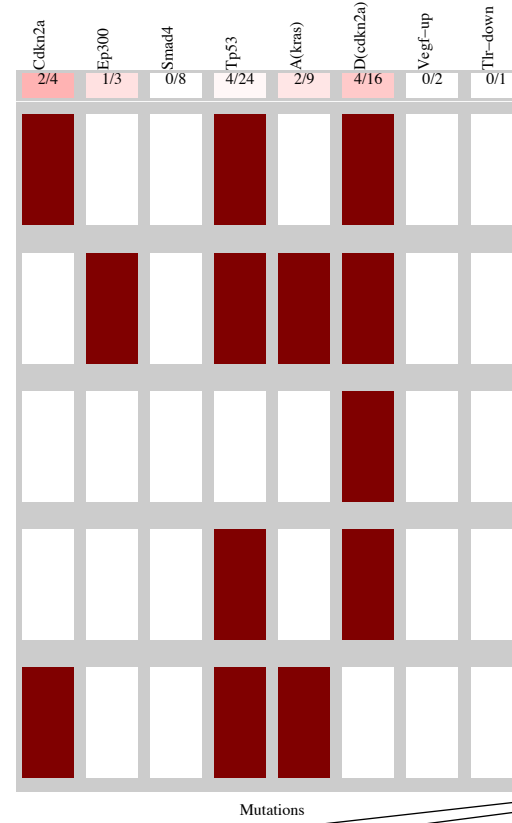
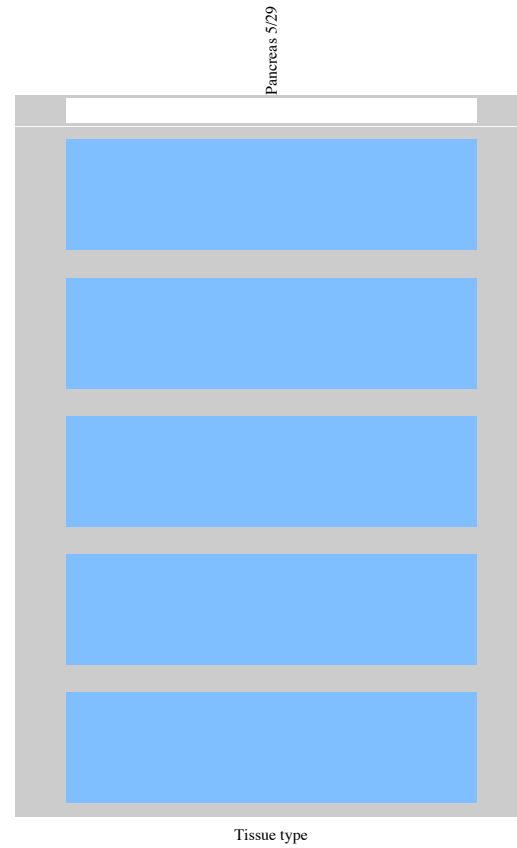
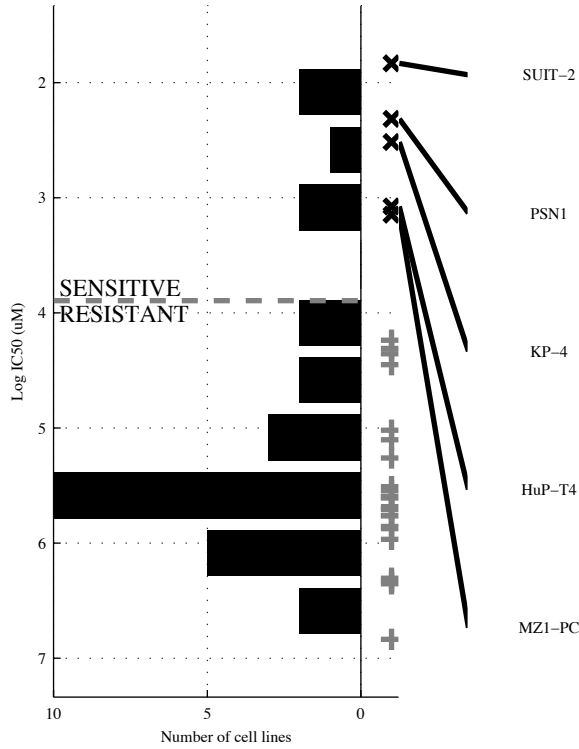
29 cell lines  
 5 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>EP300</b>		<b>CDKN2A &amp; TP53</b>		<b>-SMAD4 &amp; a(WNK &amp; a(KRAS</b>		<b>-SMAD4 &amp; a(WNK &amp; a(KRAS &amp; MAPK P</b>		<b>CDKN2A   EP300</b>		<b>[ EP300 &amp; a(KRAS ]   [ CDKN2A &amp; TP53 ]</b>		<b>CDKN2A   EP300   TLR-UP</b>		<b>CDKN2A   EP300   TLR-UP  </b>	
TP   FP Specificity	1   2	0.92	2   0	1	2   3	0.88	2   2	0.92	3   4	0.83	3   0	1	4   4	0.83	4   4	0.83
FN   TN Precision	4   22	0.33	3   24	1	3   21	0.4	3   22	0.5	2   20	0.43	2   24	1	1   20	0.5	1   20	0.5
Recall		0.2		0.4		0.4		0.4		0.6		0.6		0.8		0.8

PAAD  
 id: 265 name: Tubastatin A  
 target: HDAC6 class: chromain histone acetylation

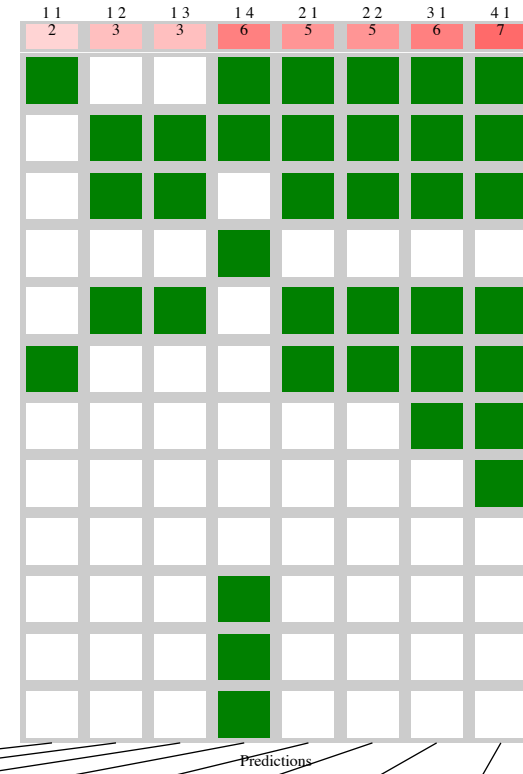
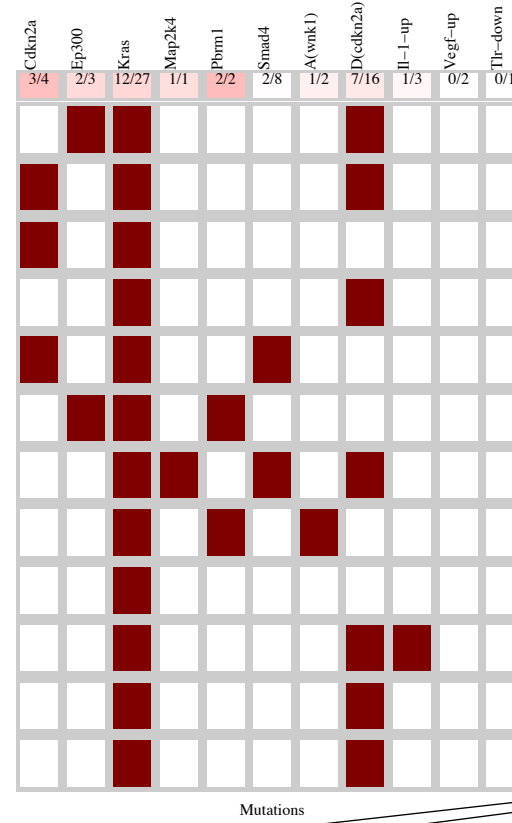
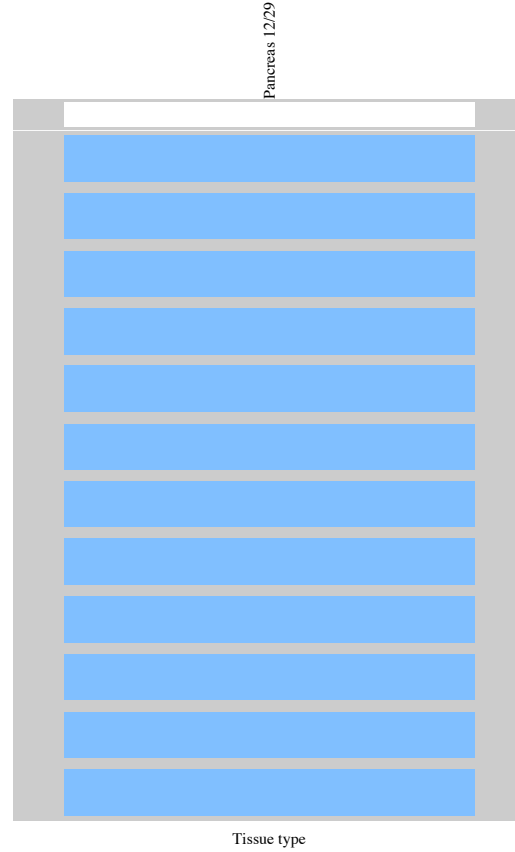
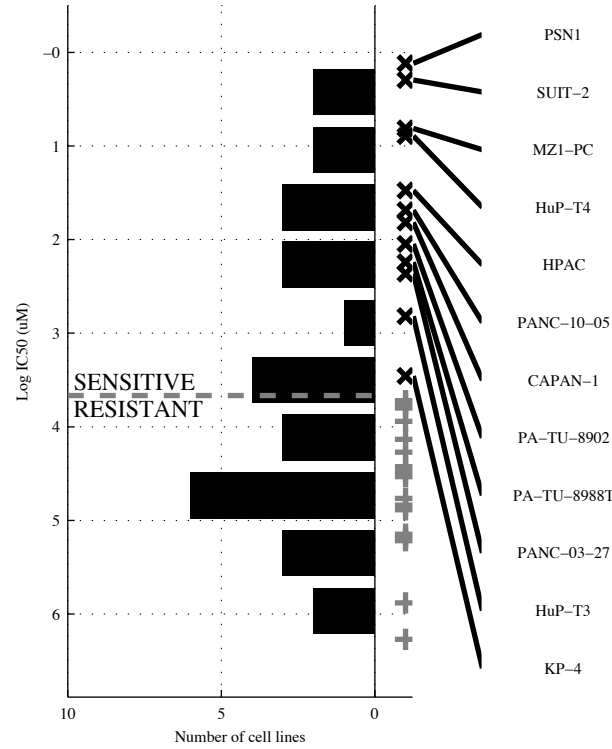
29 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>CDKN2A</b>	<b>CDKN2A &amp; TP53</b>	<b>CDKN2A &amp; SMAD4 &amp; -VEGF-U</b>	<b>-SMAD4 &amp; a(KRAS) &amp; d(CDKN2A) &amp; TLR-DO</b>	<b>CDKN2A   EP300</b>	<b>[CDKN2A &amp; TP53]</b>   <b>[EP300 &amp; a(KRAS)]</b>	<b>CDKN2A   EP300  </b>	<b>CDKN2A   EP300  </b> 
TP   FP	2   2	2   0	2   0	3   4	3   4	3   0	3   4	3   4
Specificity	0.92	1	1	0.83	0.83	1	0.83	0.83
FN   TN	3   22	3   24	3   24	2   20	2   20	2   24	2   20	2   20
Precision	0.5	1	1	0.43	0.43	1	0.43	0.43
Recall	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6

PAAD  
 id: 300 name: CX-5461  
 target: RNA Pol I class: other

29 cell lines  
 12 sensitive



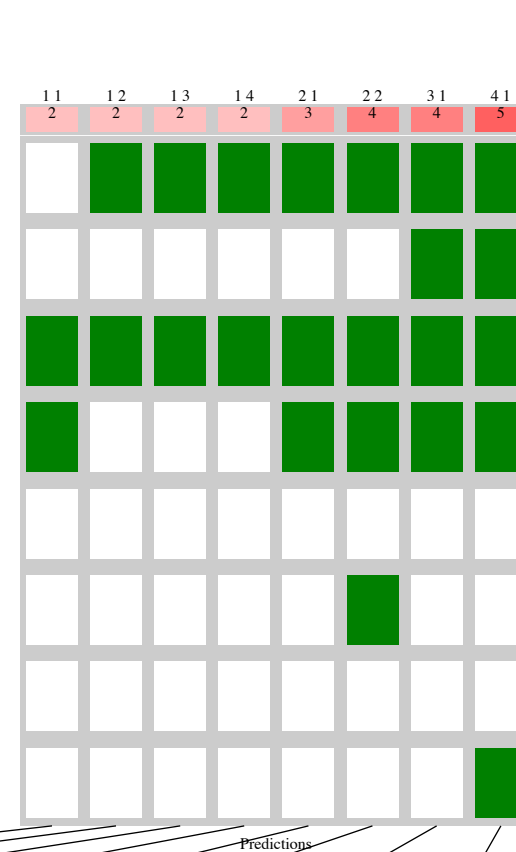
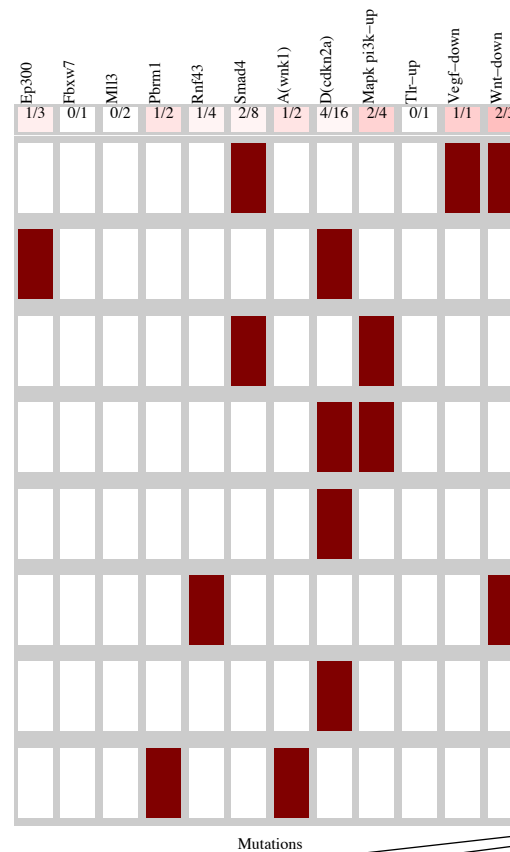
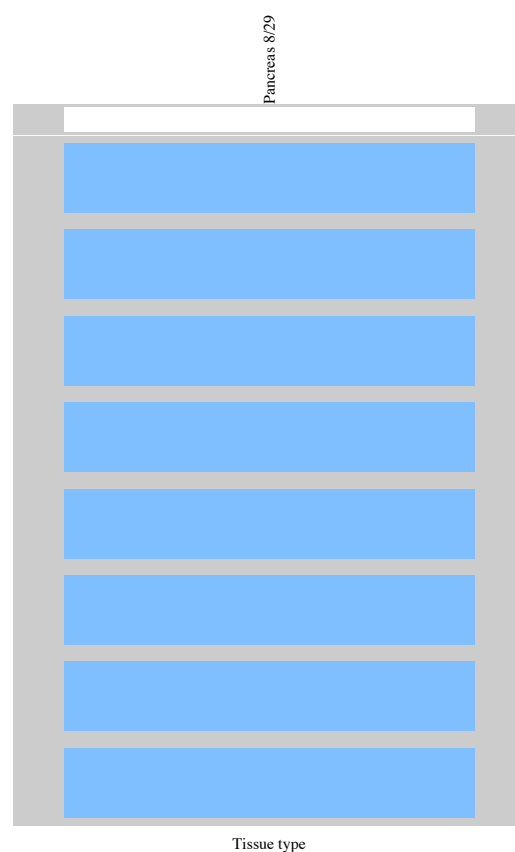
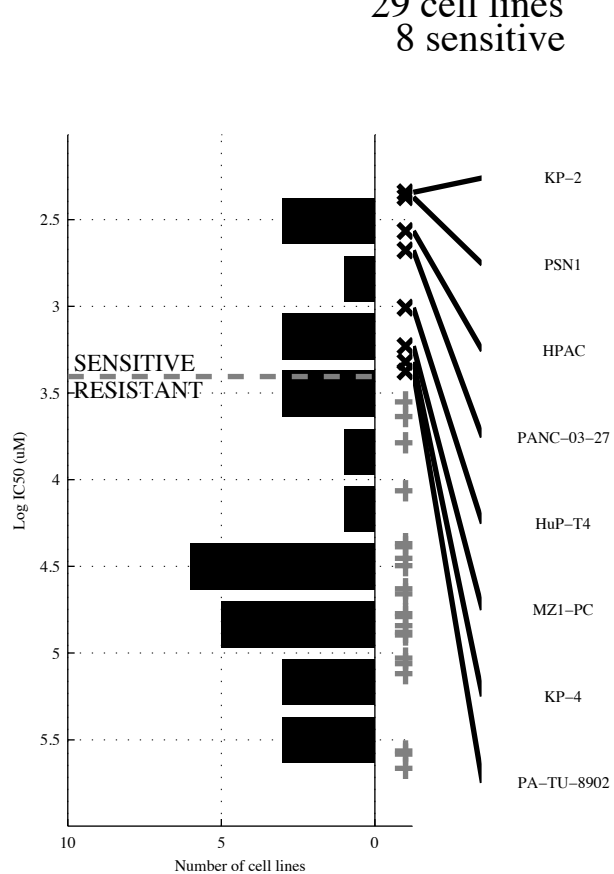
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>EP300</b>	<b>CDKN2A &amp; VEGF-U</b>	<b>CDKN2A &amp; VEGF-U &amp; -TLR-DO</b>	<b>-SMAD4 &amp; a(WNK &amp; d(CDKN2A &amp; TLR-DO</b>	<b>CDKN2A   EP300</b>	<b>[ EP300 &amp; KRAS ]   [CDKN2A &amp; IL-1-U]</b>	<b>CDKN2A   EP300   MAP2K4</b>	<b>CDKN2A   EP300   MAP2K4 PBRM1</b>
TP   FP Specificity	2   1 0.94	3   0 1	3   0 1	6   3 0.82	5   2 0.88	5   0 1	6   2 0.88	7   2 0.88
FN   TN Precision	10   16 0.67	9   17 1	9   17 1	6   14 0.67	7   15 0.71	7   17 1	6   15 0.75	5   15 0.78
Recall	0.17	0.25	0.25	0.5	0.42	0.42	0.5	0.58





PAAD  
 id: 329 name: QL-XI-92  
 target: DDR1 class: RTK signaling

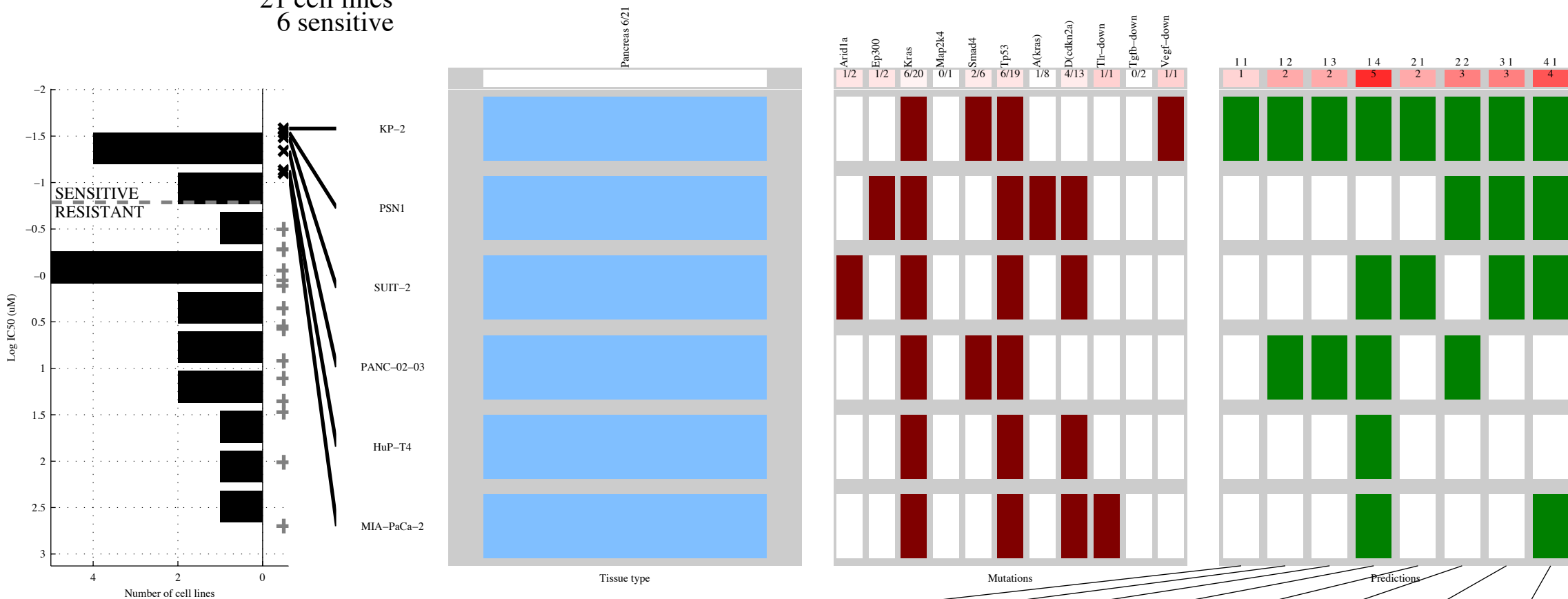
29 cell lines  
 8 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>MAPK P</b>	<b>SMAD4&amp;d(CDKN</b>	<b>SMAD4&amp;a(WNK&amp;</b>	<b>~MLL3&amp;~RNF43&amp;</b>	<b>MAPK PVEGF-D</b>	<b>[~FBXW7&amp;Wnt-DO]</b>	<b>EP300  MAPK P </b>	<b>EP300  PBRM1  </b>
TP   FP	2   2	2   1	2   1	2   1	3   2	4   1	4   4	5   4
Specificity	0.9	0.95	0.95	0.95	0.9	0.95	0.81	0.81
FN   TN	6   19	6   20	6   20	6   20	5   19	4   20	4   17	3   17
Precision	0.5	0.67	0.67	0.67	0.6	0.8	0.5	0.56
Recall	0.25	0.25	0.25	0.25	0.38	0.5	0.5	0.63

PAAD  
 id: 1014 name: RDEA119  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

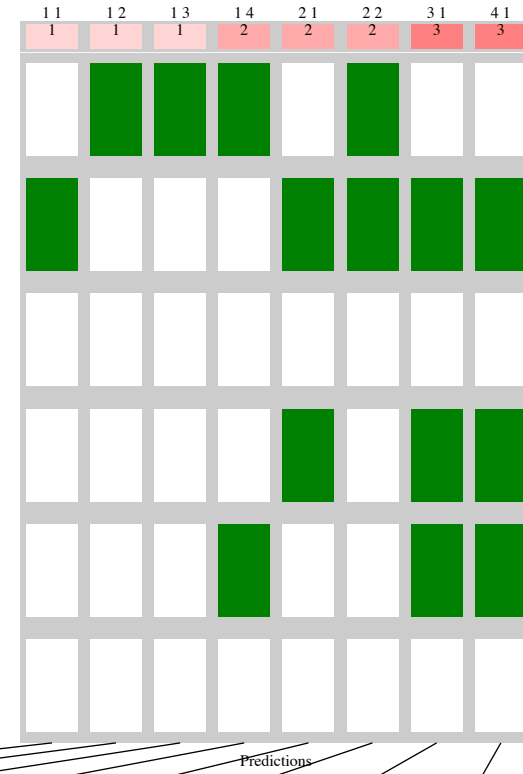
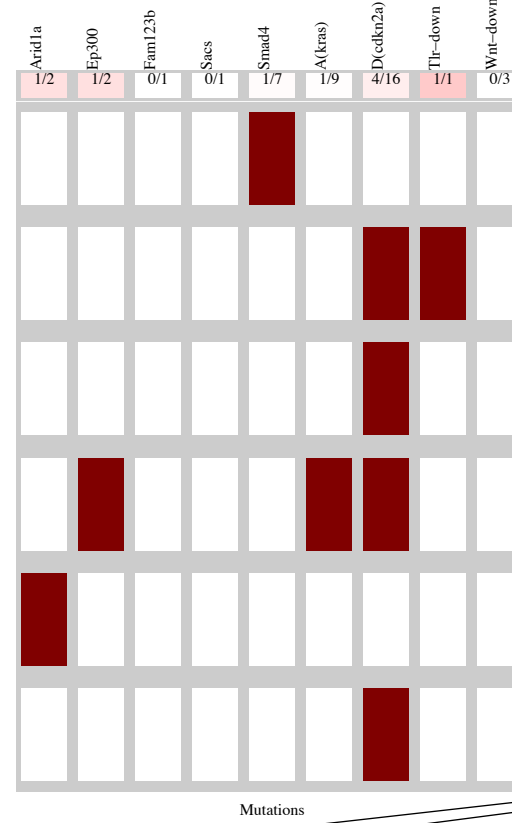
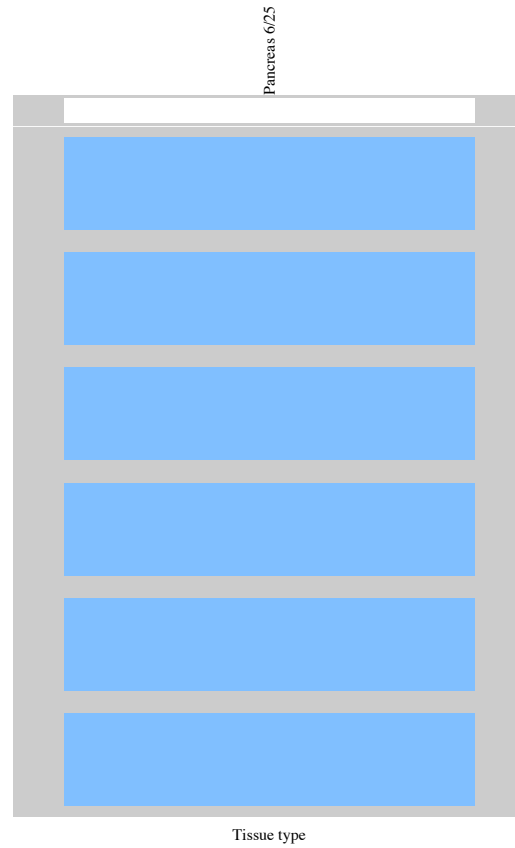
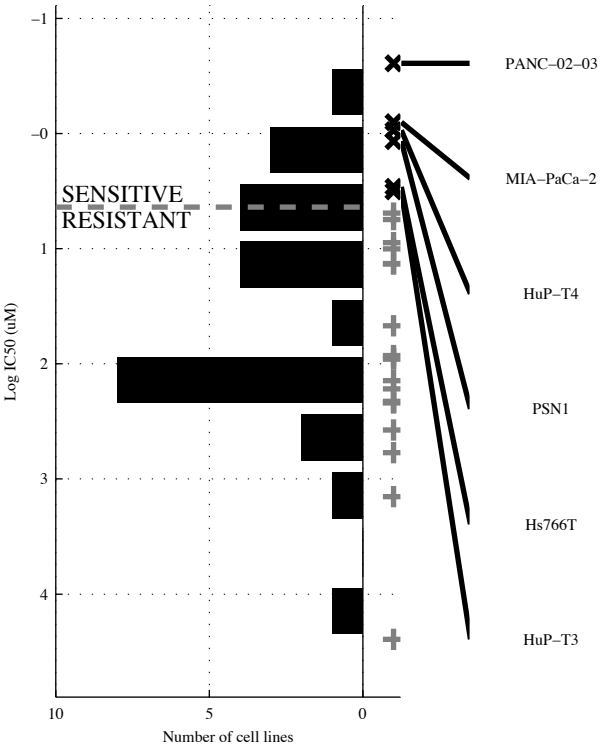
21 cell lines  
 6 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
M																
Logic formula	<b>VEGF-D</b>		<b>SMAD4&amp;d(CDKN</b>		<b>SMAD4&amp; TP53 &amp;</b>		<b>-MAP2K&amp; TP53 &amp;</b>		<b>ARID1A VEGF-D</b>		<b>[ SMAD4&amp;d(CDKN</b>		<b>ARID1A  EP300  </b>		<b>ARID1A  EP300  </b>	
					<b>-d(CDKN</b>		<b>-a(KRAS&amp;TGFB-D</b>				<b>[ EP300 &amp; KRAS ]</b>		<b>VEGF-D</b>		<b>TLR-DOVEGF-D</b>	
TP   FP	1   0	1	2   0	1	2   0	1	5   3	0.8	2   1	0.93	3   0	1	3   2	0.87	4   2	0.87
FN   TN	5   15	1	4   15	1	4   15	1	1   12	0.63	4   14	0.67	3   15	1	3   13	0.6	2   13	0.67
Specificity																
Precision																
Recall		0.17		0.33		0.33		0.83		0.33		0.5		0.5		0.67

PAAD  
 id: 1015 name: CI-1040  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

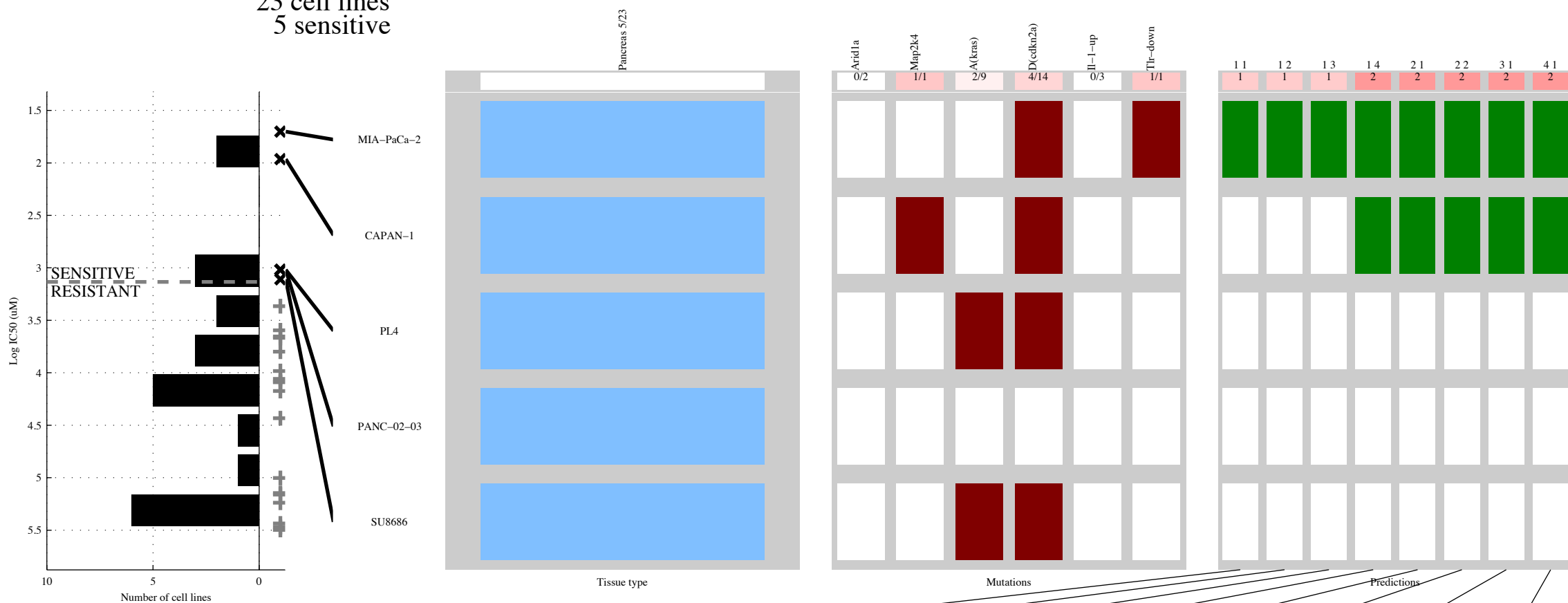
25 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>TLR-DO</b>	<b>SMAD4&amp;d(CDKN</b>	<b>SMAD4&amp;d(CDKN&amp;</b> <b>¬Wnt-DO</b>	<b>¬FAM12&amp;¬SACS&amp;</b> <b>¬a(KRAS&amp;d(CDKN</b>	<b>EP300  TLR-DO</b>	<b>¬FAM12&amp;TLR-DO</b> <b> </b> <b>[ SMAD4&amp;d(CDKN</b>	<b>ARID1A   EP300  </b> <b>TLR-DO</b>	<b>ARID1A   EP300  </b> <b>TLR-DO</b>
TP   FP	1   0	1   1	1   0	2   2	2   1	2   1	3   2	3   2
Specificity	1	0.95	1	0.89	0.95	0.95	0.89	0.89
FN   TN	5   19	5   18	5   19	4   17	4   18	4   18	3   17	3   17
Precision	1	0.5	1	0.5	0.67	0.67	0.6	0.6
Recall	0.17	0.17	0.17	0.33	0.33	0.33	0.5	0.5

PAAD  
 id: 1042 name: BIRB 0796  
 target: p38, JNK2 class: JNK and p38 signaling

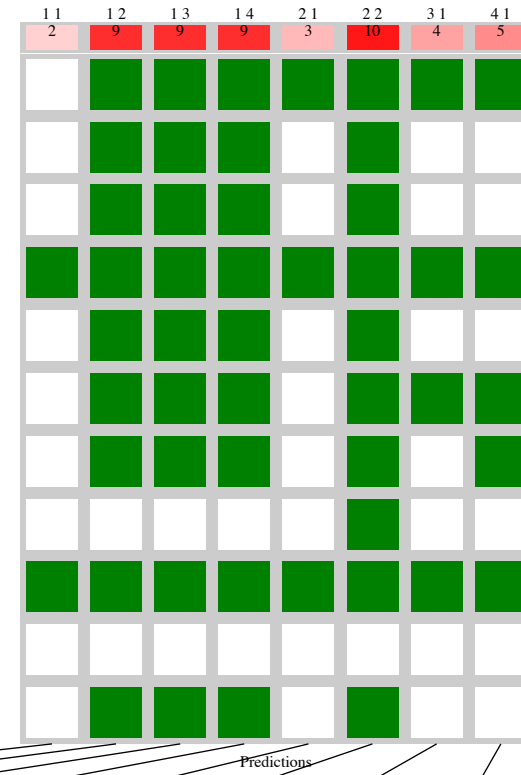
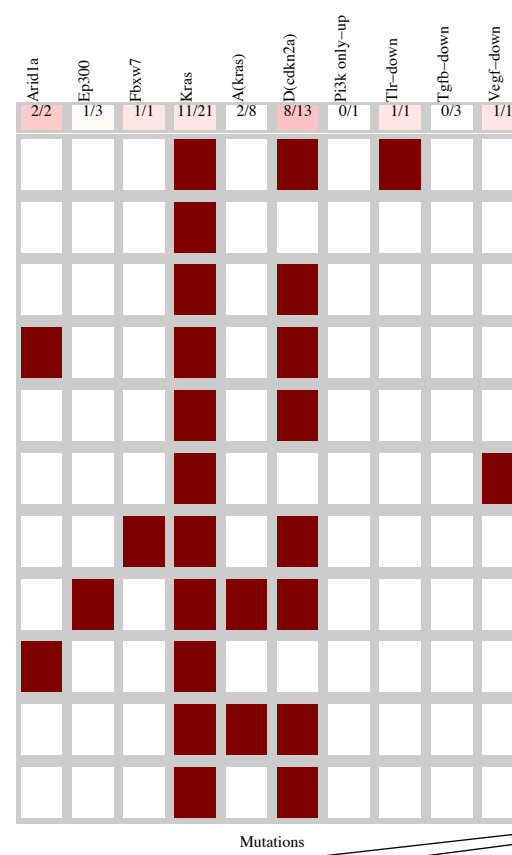
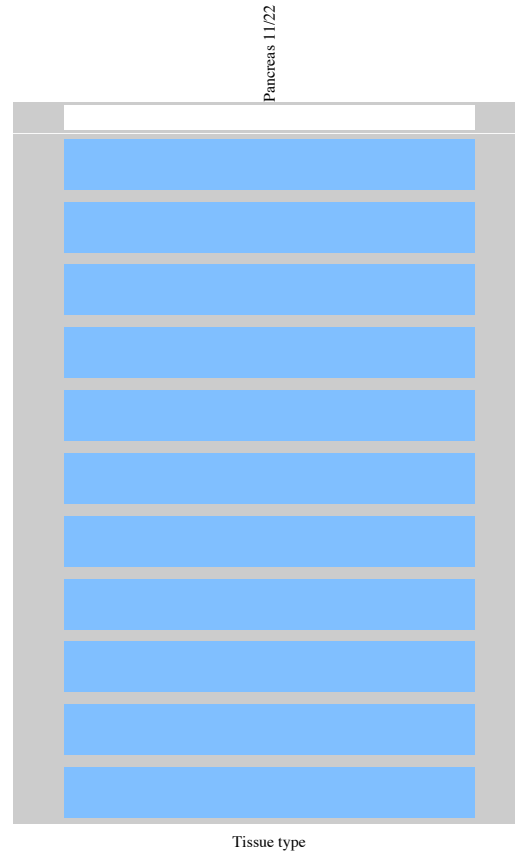
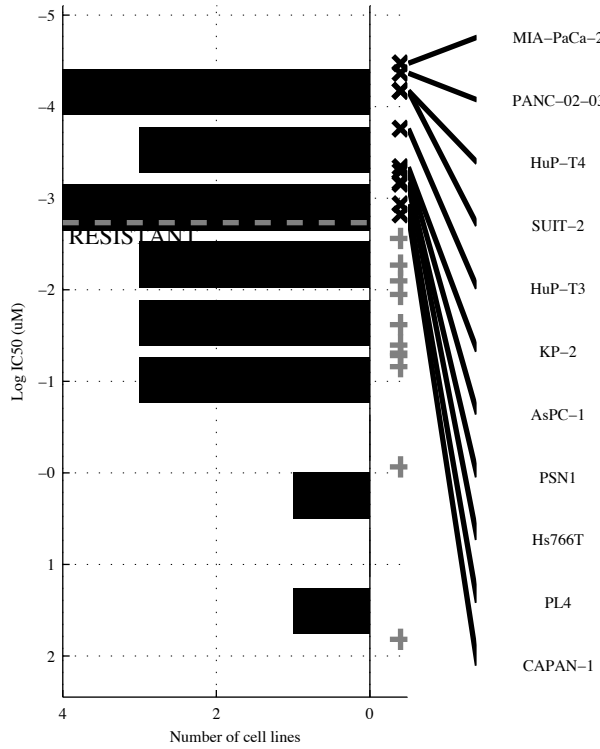
23 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>TLR-DO</b>	<b>¬ARID1a &amp; TLR-DO</b>	<b>TLR-DO &amp; A(kRAS)</b>	<b>¬ARID1a &amp; A(kRAS) &amp; d(CDKN2A) &amp; IL-1-U</b>	<b>MAP2K4 &amp; TLR-DO</b>	<b>[TLR-DO &amp; A(kRAS)] &amp; [MAP2K4 &amp; A(kRAS)]</b>	<b>MAP2K4 &amp; TLR-DO</b>	<b>MAP2K4 &amp; TLR-DO</b>
TP   FP	1   0	1   0	1   0	2   3	2   0	2   0	2   0	2   0
Specificity	1	1	1	0.83	1	1	1	1
FN   TN	4   18	4   18	4   18	3   15	3   18	3   18	3   18	3   18
Precision	1	1	1	0.4	1	1	1	1
Recall	0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.4

PAAD  
 id: 1060 name: PD-0325901  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

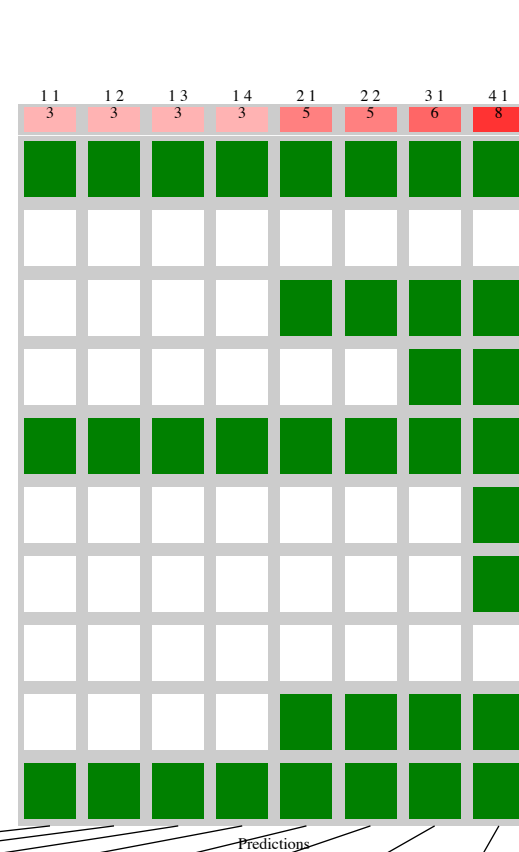
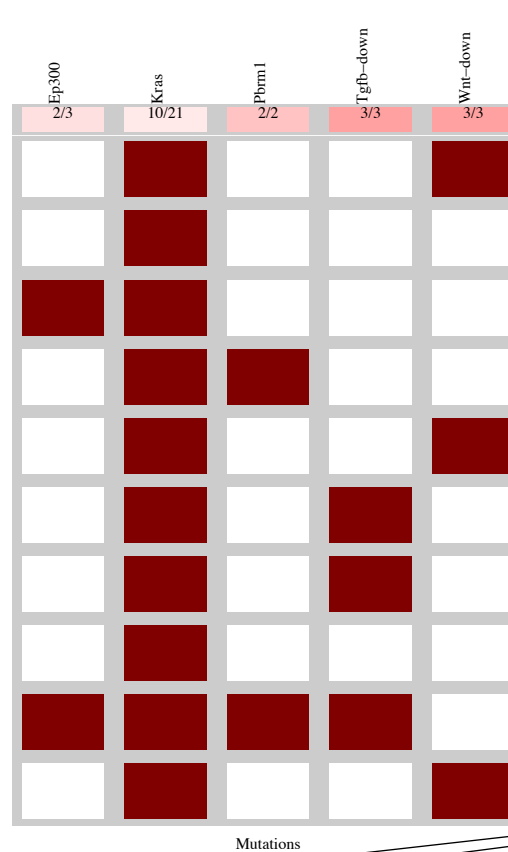
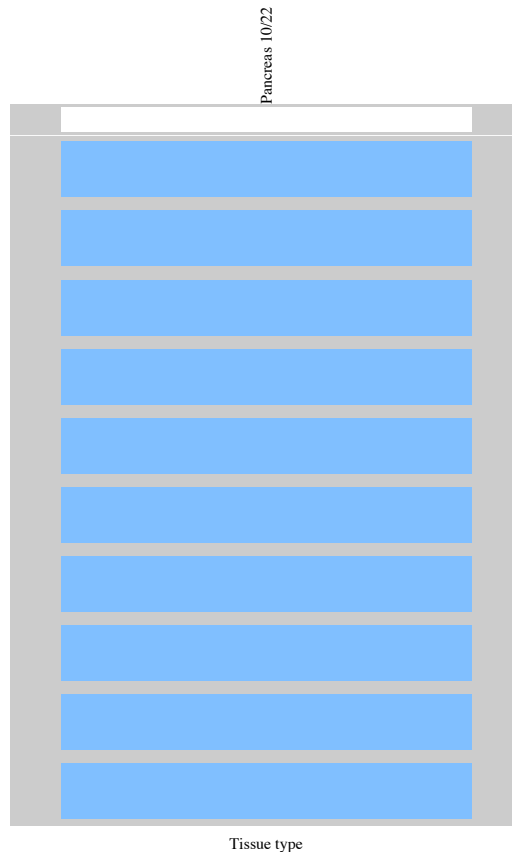
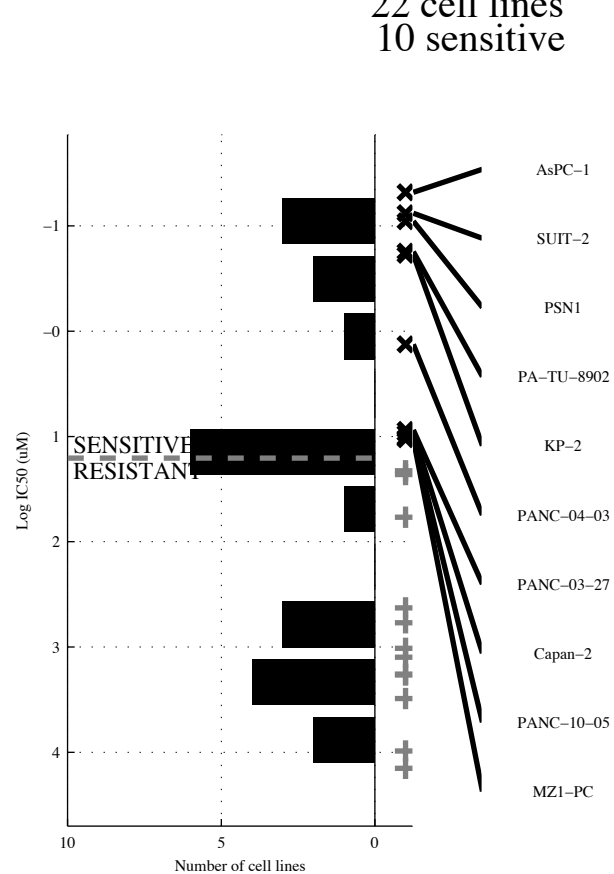
22 cell lines  
 11 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	ARID1A	<del>ARID1A</del> & <del>TGFB-D</del>	KRAS & <del>ARID1A</del>	KRAS & <del>ARID1A</del> & <del>PI3K</del> & <del>TGFB-D</del>	ARID1A   TLR-DO	[ EP300 & D(CDKN) ]   <del>ARID1A</del> & <del>TGFB-D</del>	ARID1A   TLR-DO   VEGF-D	ARID1A   FBXW7   TLR-DO   VEGF-D
TP   FP Specificity	2   0 1	9   2 0.82	9   1 0.91	9   0 1	3   0 1	10   2 0.82	4   0 1	5   0 1
FN   TN Precision	9   11 1	2   9 0.82	2   10 0.9	2   11 1	8   11 0.27	1   9 0.83	7   11 0.36	6   11 1
Recall	0.18	0.82	0.82	0.82	0.27	0.91	0.36	0.45

PAAD  
 id: 1062 name: AZD6244  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

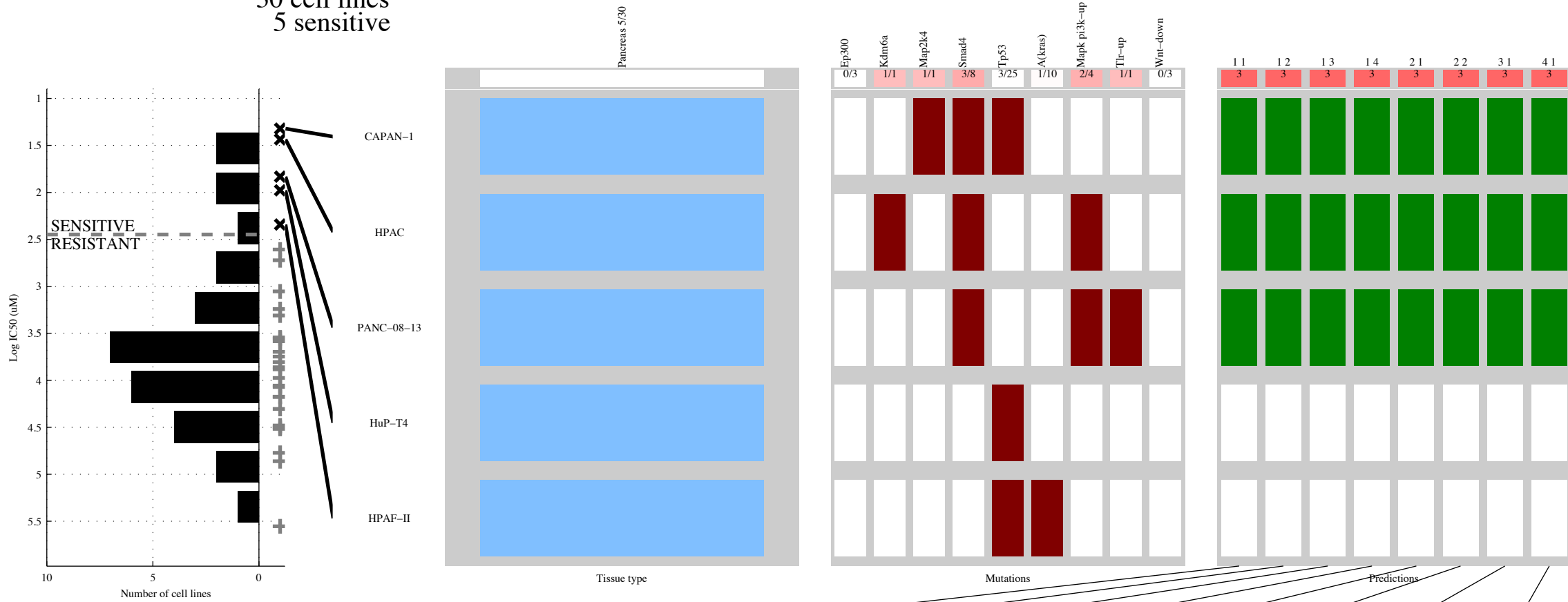
22 cell lines  
 10 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>Wnt-DO</b>		<b>Wnt-DC&amp;</b>		<b>Wnt-DC&amp; &amp;</b>		<b>Wnt-DC&amp; &amp;</b>		<b>EP300  Wnt-DO</b>		<b>[Wnt-DC&amp; ]</b>   <b>[ EP300 &amp; KRAS ]</b>		<b>EP300   PBRM1  </b>  <b>Wnt-DO</b>		<b>EP300   PBRM1  </b>  <b>TGFB-DIWnt-DO</b>	
TP   FP Specificity	3   0 1		3   0 1		3   0 1		3   0 1		5   1 0.92		5   0 1		6   1 0.92		8   1 0.92	
FN   TN Precision	7   12 1		7   12 1		7   12 1		7   12 1		5   11 0.83		5   12 1		4   11 0.86		2   11 0.89	
Recall	0.3		0.3		0.3		0.3		0.5		0.5		0.6		0.8	

PAAD  
 id: 1072 name: BMS-708163  
 target: g-secretase class: other

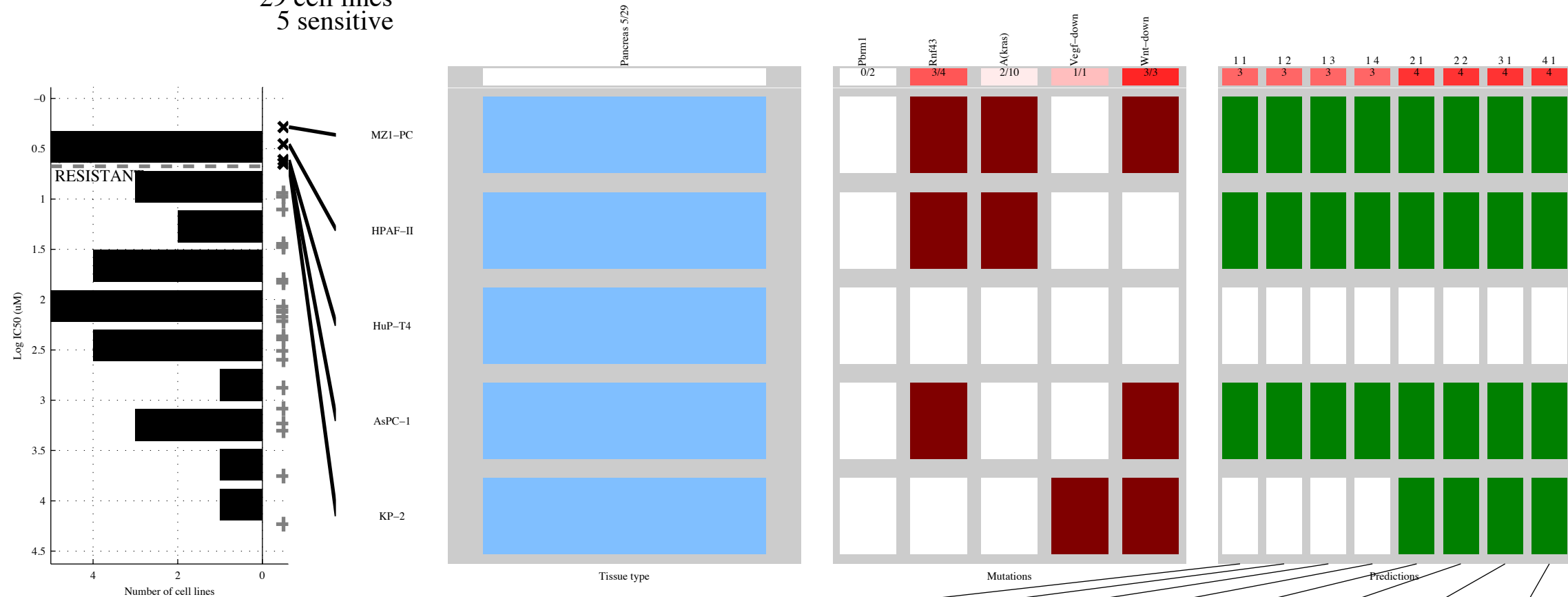
30 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>SMAD4</b>	<b>SMAD4 &amp; a(KRAS)</b>	<b>SMAD4 &amp; a(KRAS) &amp; -Wnt-DO</b>	<b>SMAD4 &amp; a(KRAS) &amp; -Wnt-DO</b>	<b>MAP2K4   MAPK P</b>	<b>[ -EP300 &amp; MAP2K4 ]   [ -TP53 &amp; MAPK P ]</b>	<b>KDM6A   MAP2K4   TLR-UP</b>	<b>KDM6A   MAP2K4   TLR-UP</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{3}{2} \mid \frac{5}{20}$ 0.8 0.38 0.6	$\frac{3}{2} \mid \frac{3}{22}$ 0.88 0.5 0.6	$\frac{3}{2} \mid \frac{1}{24}$ 0.96 0.75 0.6	$\frac{3}{2} \mid \frac{1}{24}$ 0.96 0.75 0.6	$\frac{3}{2} \mid \frac{2}{23}$ 0.92 0.6 0.6	$\frac{3}{2} \mid \frac{0}{25}$ 1 1 0.6	$\frac{3}{2} \mid \frac{0}{25}$ 1 1 0.6	$\frac{3}{2} \mid \frac{0}{25}$ 1 1 0.6

PAAD  
 id: 1091 name: BMS-536924  
 target: IGF1R class: IGFR signaling

29 cell lines  
 5 sensitive

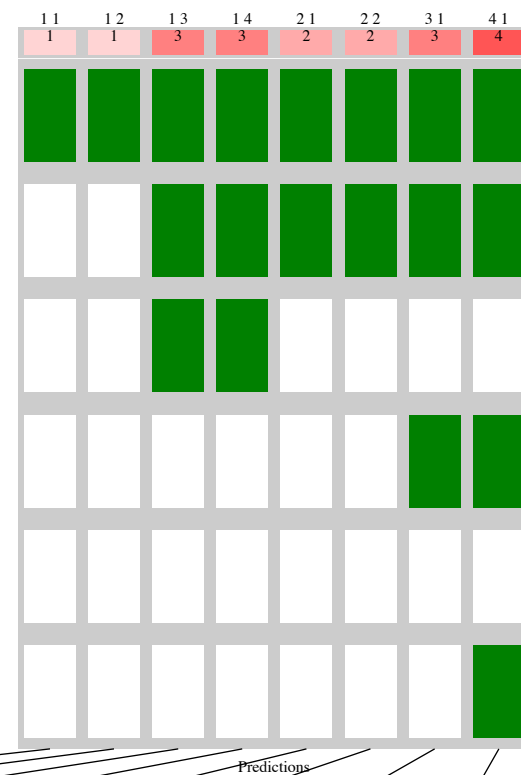
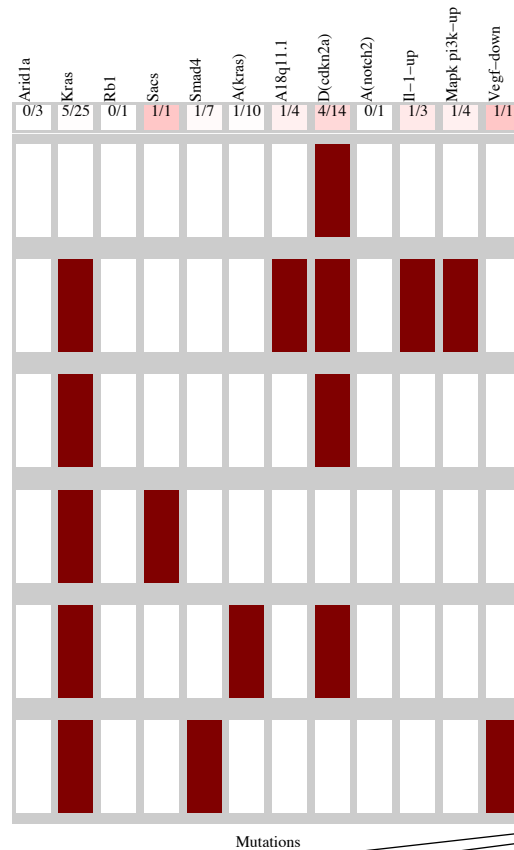
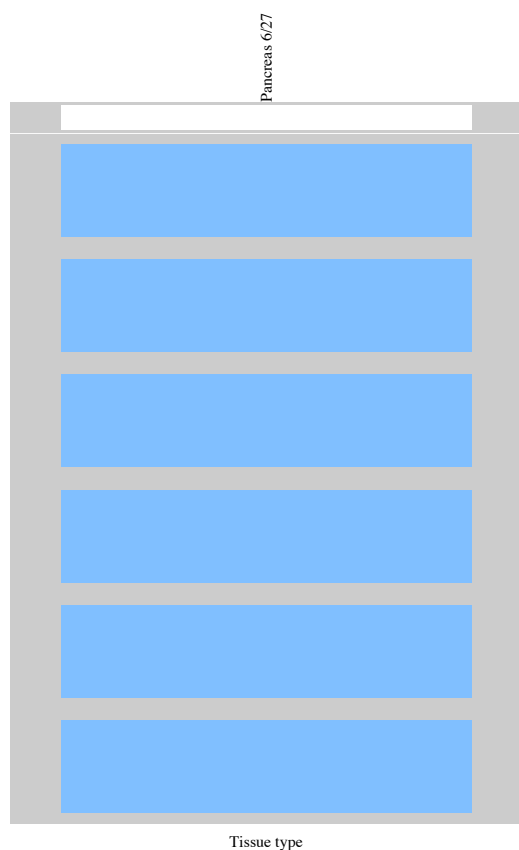
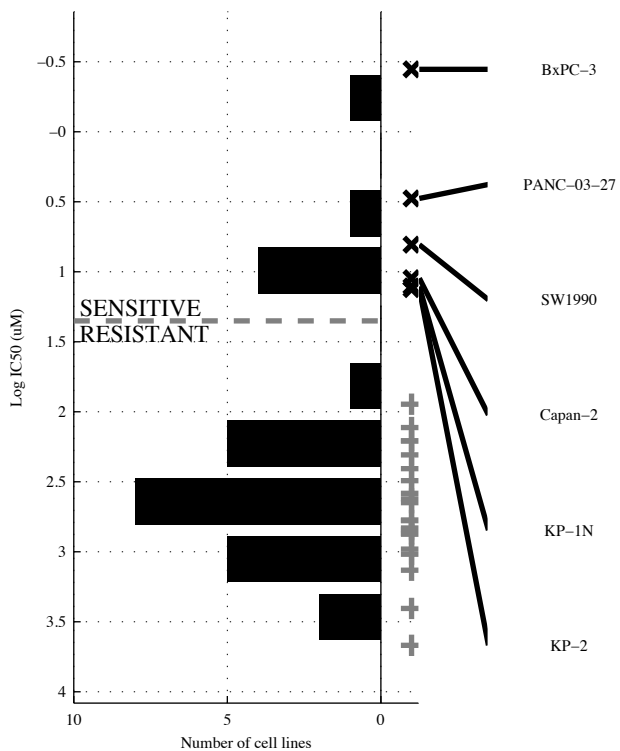


Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>RNF43</b>		<b>¬PBRM1 &amp; RNF43</b>		<b>¬PBRM1 &amp; RNF43 &amp;</b>		<b>¬PBRM1 &amp; RNF43 &amp;</b>		<b>RNF43   VEGF-D</b>		<b>[ RNF43 &amp; a(KRAS) ]   [¬a(KRAS) &amp; Wnt-DO]</b>		<b>RNF43   VEGF-D  </b>		<b>RNF43   VEGF-D  </b>	
TP   FP Specificity	3   1 0.96		3   0 1		3   0 1		3   0 1		4   1 0.96		4   0 1		4   1 0.96		4   1 0.96	
FN   TN Precision	2   23 0.75		2   24 1		2   24 1		2   24 1		1   23 0.8		1   24 1		1   23 0.8		1   23 0.8	
Recall	0.6		0.6		0.6		0.6		0.8		0.8		0.8		0.8	



PAAD  
 id: 1218 name: JQ1  
 target: BRD2, BRD3, BRD4 class: chromatin other

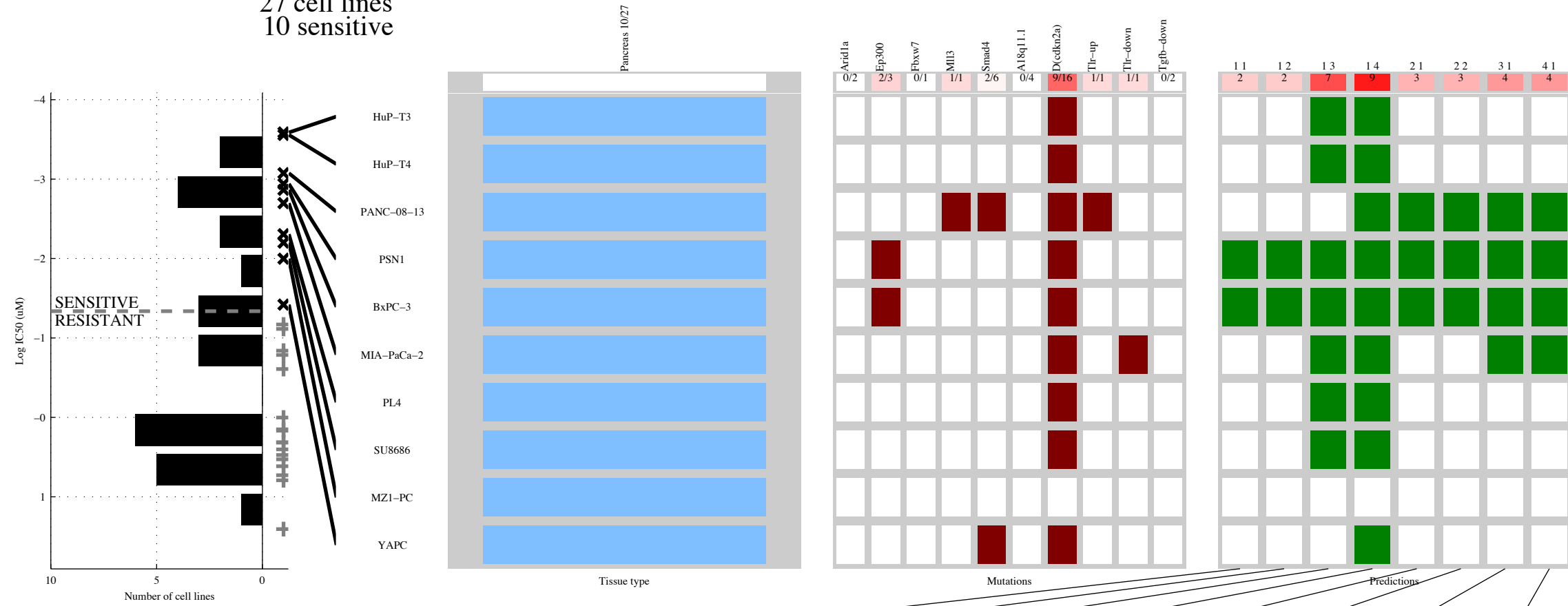
27 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>-KRAS</b>	<b>-KRAS &amp; -RB1</b>	<b>-SMAD4 &amp; a(KRAS &amp; d(CDKN11))</b>	<b>-ARID1A &amp; SMAD4 &amp; a(KRAS &amp; d(CDKN11))</b>	<b>-KRAS   a18q11</b>	<b>[ -KRAS &amp; a(NOTCH2)   [ IL-1-U &amp; MAPK P ] ]</b>	<b>-KRAS   SACS   a18q11</b>	<b>-KRAS   SACS   a18q11   VEGF-D</b>
TP   FP Specificity	1   1 0.95	1   0 1	3   3 0.86	3   2 0.9	2   3 0.86	2   0 1	3   3 0.86	4   3 0.86
FN   TN Precision	5   20 0.5	5   21 1	3   18 0.5	3   19 0.6	4   18 0.4	4   21 1	3   18 0.5	2   18 0.57
Recall	0.17	0.17	0.5	0.5	0.33	0.33	0.5	0.67

PAAD  
 id: 1261 name: rTRAIL  
 target: TR10A (DR4), TR10B (DR5) class: apoptosis regulation

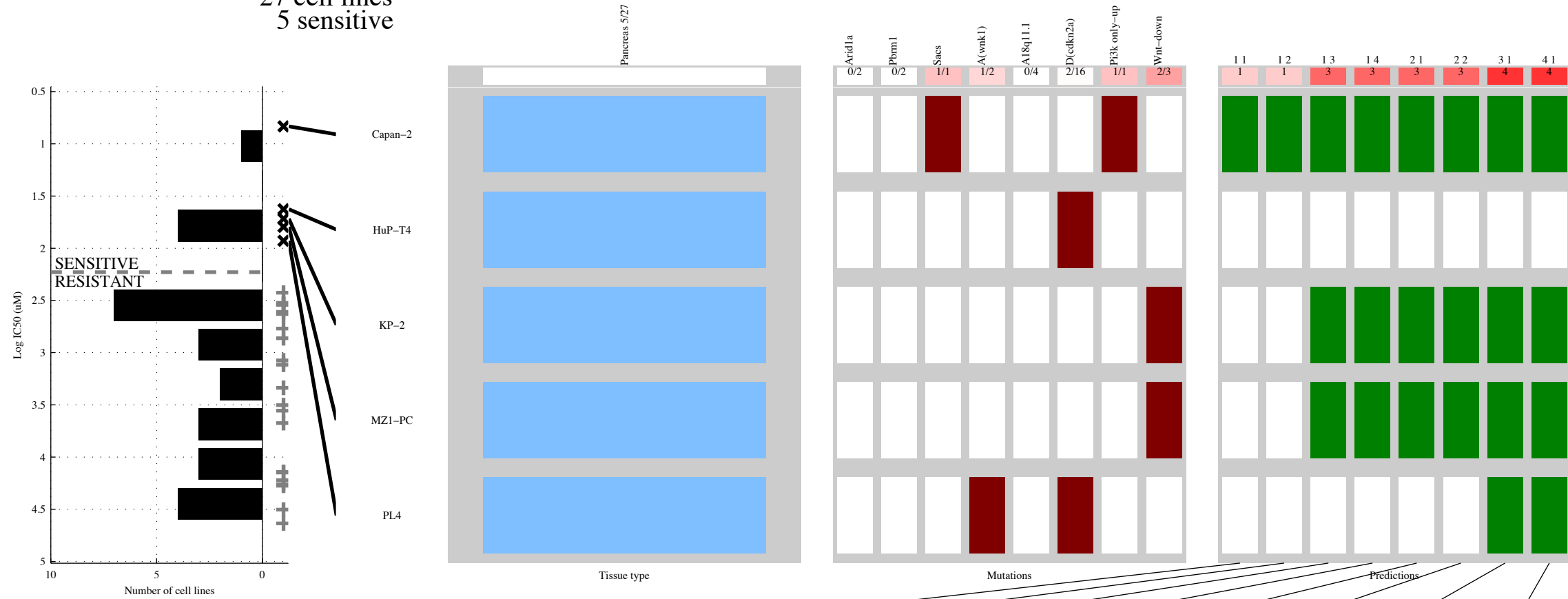
27 cell lines  
 10 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>EP300</b>	<b>EP300 &amp; TGFB-D</b>	<b>~SMAD4 &amp; ~a18q11 &amp; d(CDKN)</b>	<b>~ARID1A &amp; FBXW7 &amp; ~a18q11 &amp; d(CDKN)</b>	<b>EP300   MLL3</b>	<b>[ EP300 &amp; TGFB-D ]   [ MLL3 &amp; TLR-UP ]</b>	<b>EP300   MLL3   TLR-DO</b>	<b>EP300   MLL3   TLR-DO</b>
TP   FP	2   1	2   0	7   3	9   3	3   1	3   0	4   1	4   1
Specificity	0.94	1	0.82	0.82	0.94	1	0.94	0.94
FN   TN	8   16	8   17	3   14	1   14	7   16	7   17	6   16	6   16
Precision	0.67	1	0.7	0.75	0.75	1	0.8	0.8
Recall	0.2	0.2	0.7	0.9	0.3	0.3	0.4	0.4

PAAD  
 id: 1268 name: XAV 939  
 target: TNKS1 (tankyrase-1) class: WNT signaling

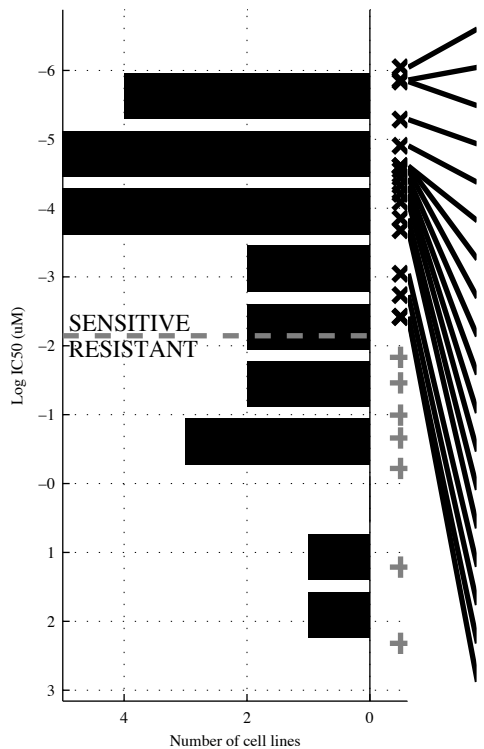
27 cell lines  
 5 sensitive



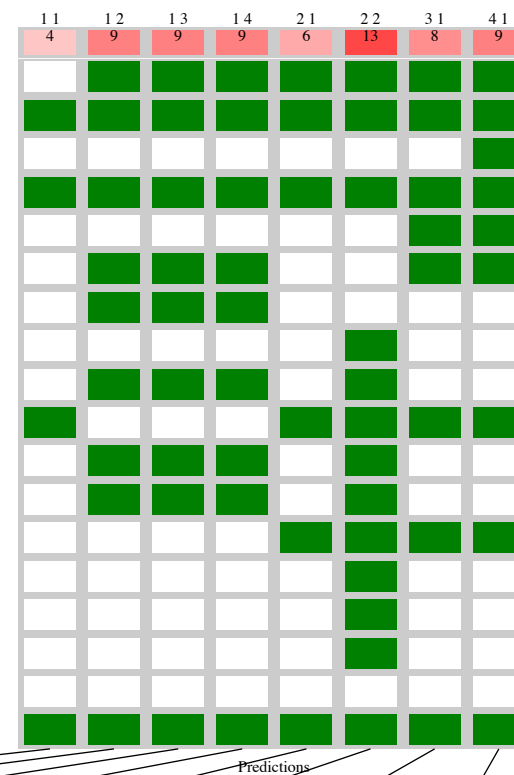
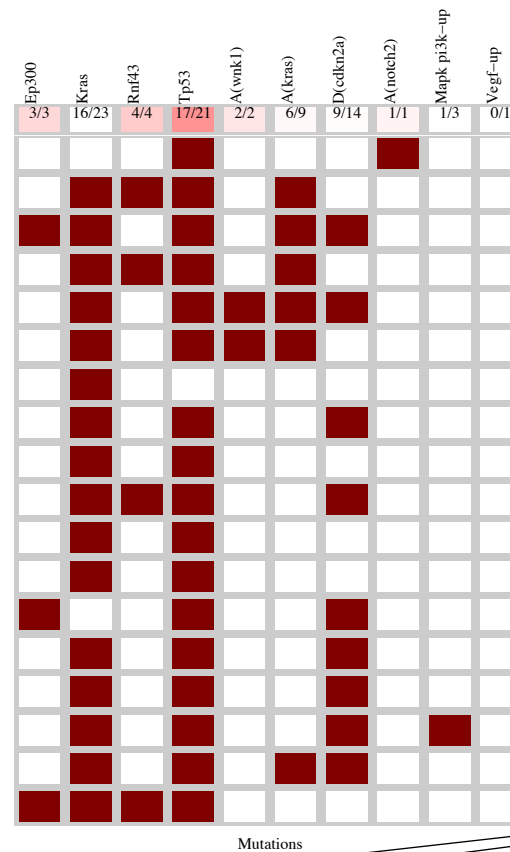
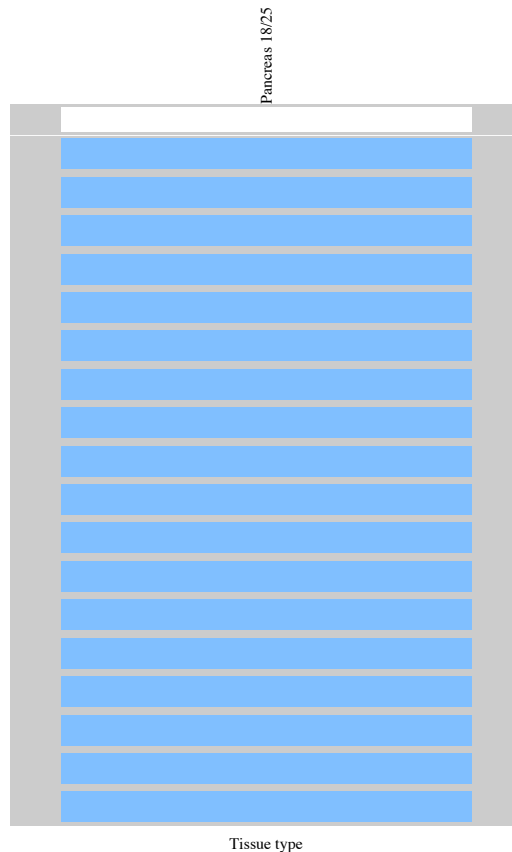
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>PI3K o</b>	<b>SACS &amp;</b>	<b>-PBRM1 &amp; -a18q11 &amp;</b>	<b>-ARID1A &amp; -PBRM1 &amp;</b>	<b>SACS   Wnt-DO</b>	<b>[ -d(CDKN2A) &amp; Wnt-DO ]</b>	<b>SACS   a(WNK1)</b>	<b>SACS   a(WNK1)</b>
			<b>-d(CDKN</b>	<b>-a18q11 &amp; d(CDKN</b>		<b>[ PI3K o &amp; ]</b>	<b>Wnt-DO</b>	<b>Wnt-DO  </b>
TP   FP	1   0	1   0	3   4	3   3	3   1	3   0	4   2	4   2
Specificity	1	1	0.82	0.86	0.95	1	0.91	0.91
FN   TN	4   22	4   22	2   18	2   19	2   21	2   22	1   20	1   20
Precision	1	1	0.43	0.5	0.75	1	0.67	0.67
Recall	0.2	0.2	0.6	0.6	0.6	0.6	0.8	0.8

PAAD  
 id: 1372 name: Trametinib  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

25 cell lines  
 18 sensitive



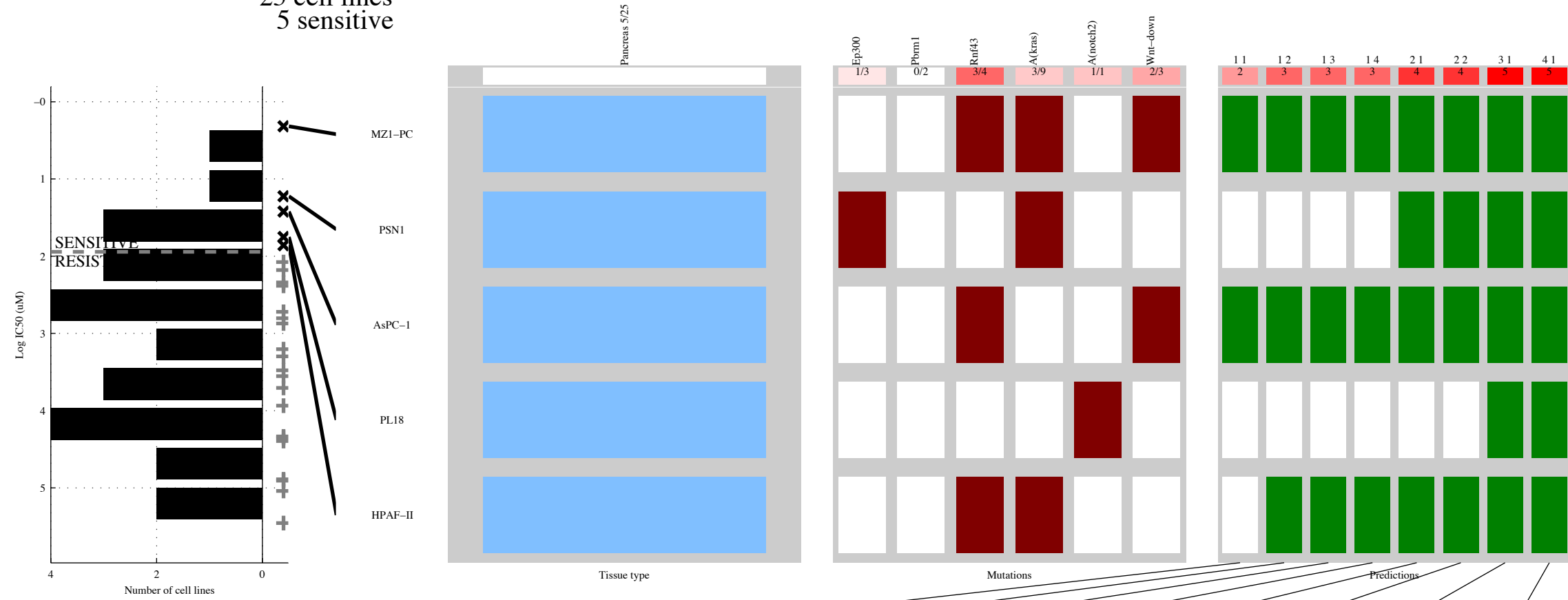
PL18  
 MZI-PC  
 PSN1  
 HPAF-II  
 PL4  
 PA-TU-8902  
 Capan-2  
 SUII-2  
 KP-2  
 AsPC-1  
 PA-TU-8988T  
 PANC-02-03  
 BxPC-3  
 MIA-PaCa-2  
 HuP-T3  
 PANC-03-27  
 YAPC  
 PANC-10-05



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>RNF43</b>	<b>-d(CDK1 &amp; MAPK P</b>	<b>-d(CDK1 &amp; MAPK &amp;</b> <b>-VEGF-U</b>	<b>-d(CDK1 &amp; MAPK &amp;</b> <b>-VEGF-&amp;</b>	<b>-KRAS   RNF43</b>	<b>[ TP53 &amp; a(KRAS)</b> <b> </b> <b>[ RNF43 &amp; TP53 ]</b>	<b>-KRAS   RNF43  </b> <b>a(WNK1</b>	<b>EP300   RNF43  </b> <b>a(WNK1 a(NOTC</b>
TP   FP	4   0	9   1	9   0	9   0	6   0	13   1	8   0	9   0
FN   TN	14   7	9   6	9   7	9   7	12   7	5   6	10   7	9   7
Specificity	1	0.86	1	1	1	0.86	1	1
Precision	1	0.9	1	1	1	0.93	1	1
Recall	0.22	0.5	0.5	0.5	0.33	0.72	0.44	0.5

PAAD  
 id: 1373 name: Dabrafenib  
 target: BRAF class: ERK MAPK signaling

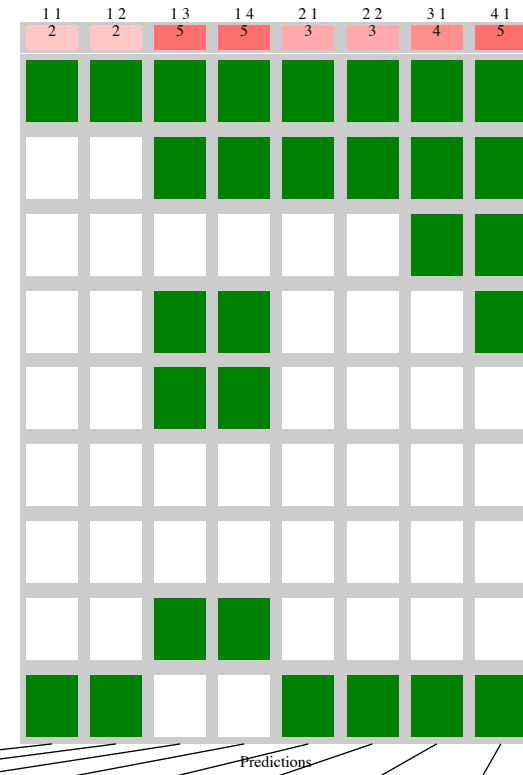
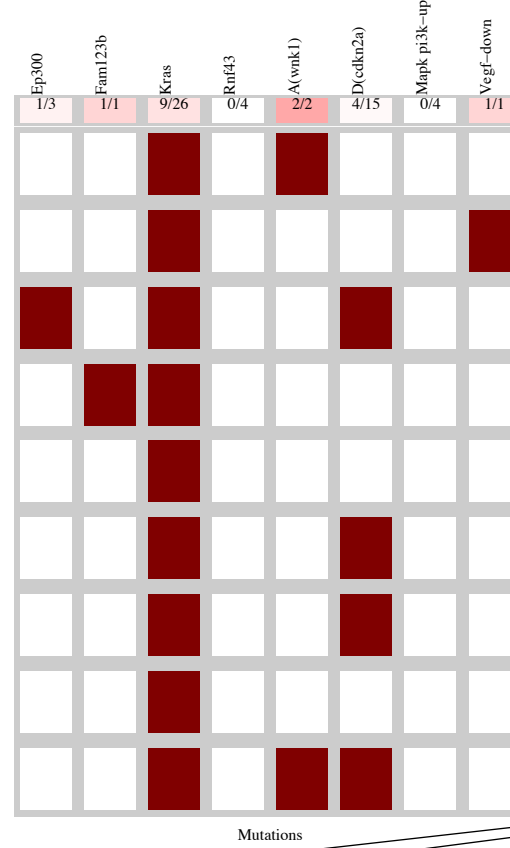
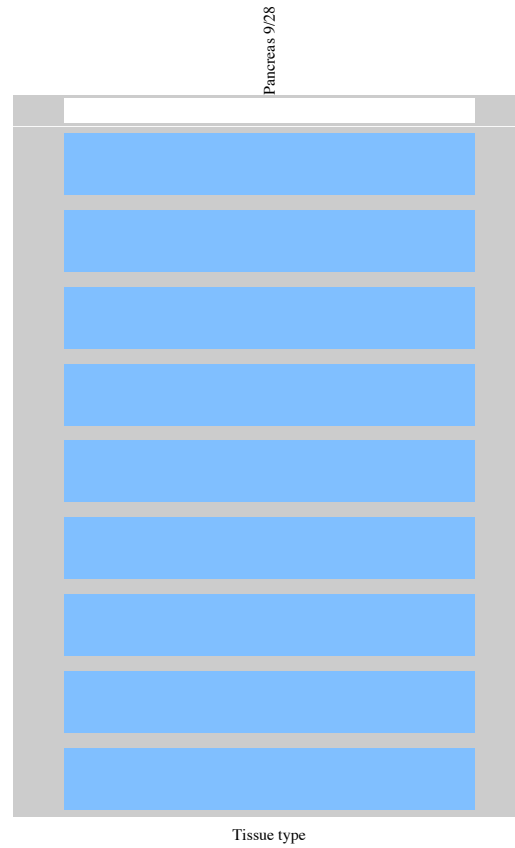
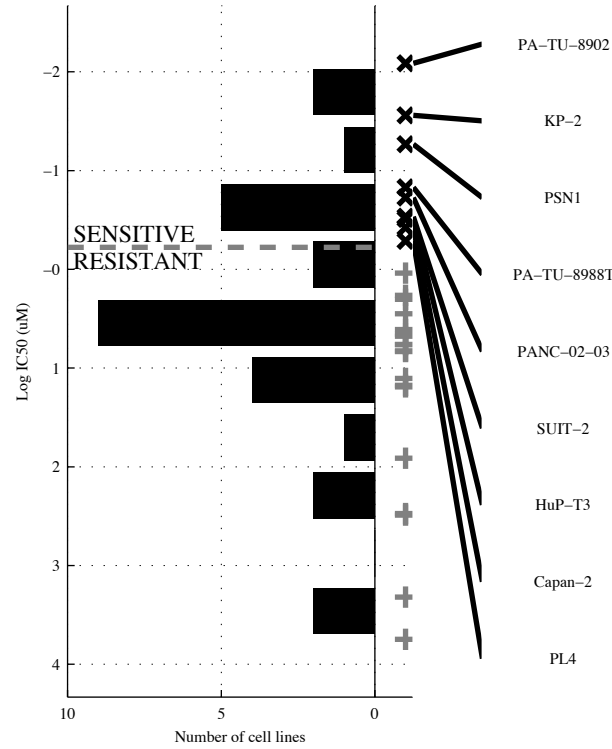
25 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>Wnt-DO</b>	<b>~PBRM1 &amp; RNF43</b>	<b>~PBRM1 &amp; RNF43 &amp;</b>	<b>~PBRM1 &amp; RNF43 &amp;</b>	<b>EP300   RNF43</b>	<b>[~PBRM1 &amp; RNF43 ]   [ EP300 &amp; a(KRAS) ]</b>	<b>EP300   RNF43   a(NOTC)</b>	<b>EP300   RNF43   a(NOTC1)</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{2}{3} \mid \frac{1}{19}$ 0.95 0.67 0.4	$\frac{3}{2} \mid \frac{0}{20}$ 1 1 0.6	$\frac{3}{2} \mid \frac{0}{20}$ 1 1 0.6	$\frac{3}{2} \mid \frac{0}{20}$ 1 1 0.6	$\frac{4}{1} \mid \frac{2}{18}$ 0.9 0.67 0.8	$\frac{4}{1} \mid \frac{0}{20}$ 1 1 0.8	$\frac{5}{0} \mid \frac{2}{18}$ 0.9 0.71 1	$\frac{5}{0} \mid \frac{2}{18}$ 0.9 0.71 1

PAAD  
 id: 1498 name: AZD6244  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

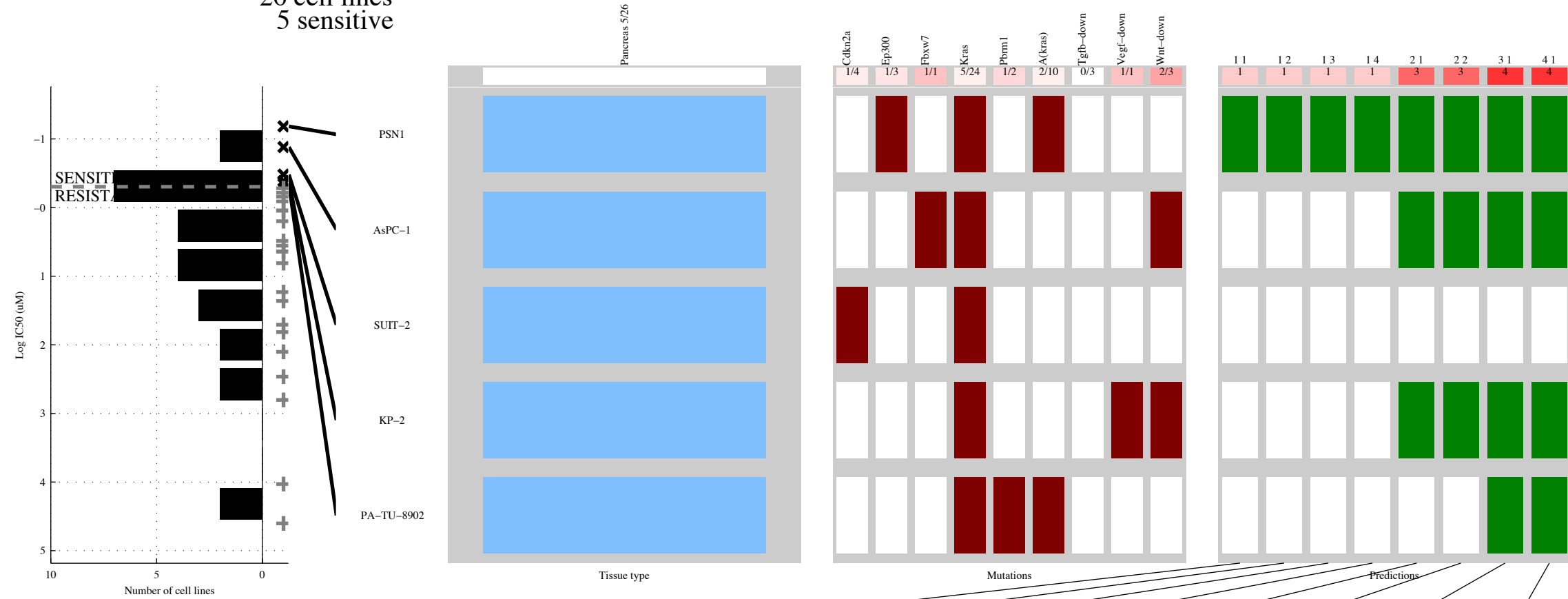
28 cell lines  
 9 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>a(WNK1)</b>	<b>a(WNK1 &amp; VEGF-D)</b>	<b>¬RNF43 &amp; d(CDK1 &amp; MAPK P)</b>	<b>KRAS &amp; ¬RNF43 &amp; ¬d(CDK1 &amp; MAPK P)</b>	<b>a(WNK1) VEGF-D</b>	<b>[¬RNF43 &amp; a(WNK1)]   [¬FAM123b &amp; VEGF-D]</b>	<b>EP300   a(WNK1) VEGF-D</b>	<b>EP300   FAM123b   a(WNK1) VEGF-D</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{2}{7} \mid \frac{0}{19}$ 1 0.22	$\frac{2}{7} \mid \frac{0}{19}$ 1 0.22	$\frac{5}{4} \mid \frac{3}{16}$ 0.84 0.63 0.56	$\frac{5}{4} \mid \frac{2}{17}$ 0.89 0.71 0.56	$\frac{3}{6} \mid \frac{0}{19}$ 1 0.33	$\frac{3}{6} \mid \frac{0}{19}$ 1 0.33	$\frac{4}{5} \mid \frac{2}{17}$ 0.89 0.67 0.44	$\frac{5}{4} \mid \frac{2}{17}$ 0.89 0.71 0.56

PAAD  
 id: 1526 name: RDEA119 (rescreen)  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

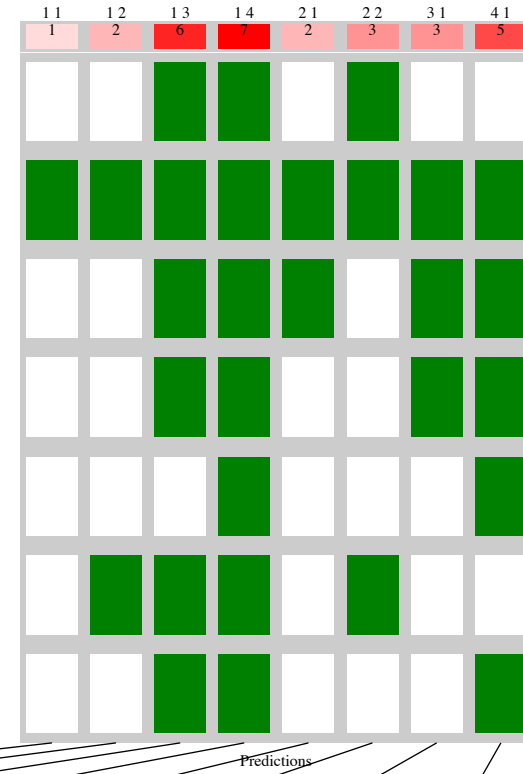
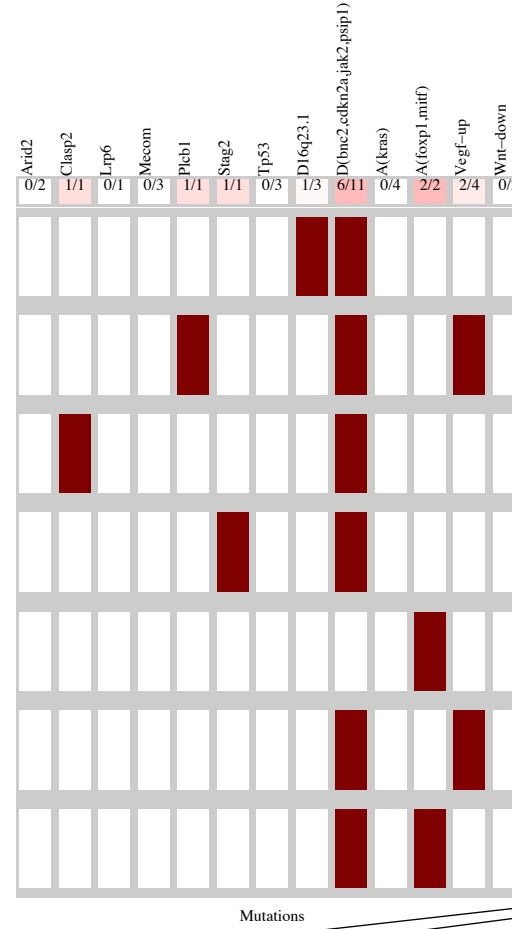
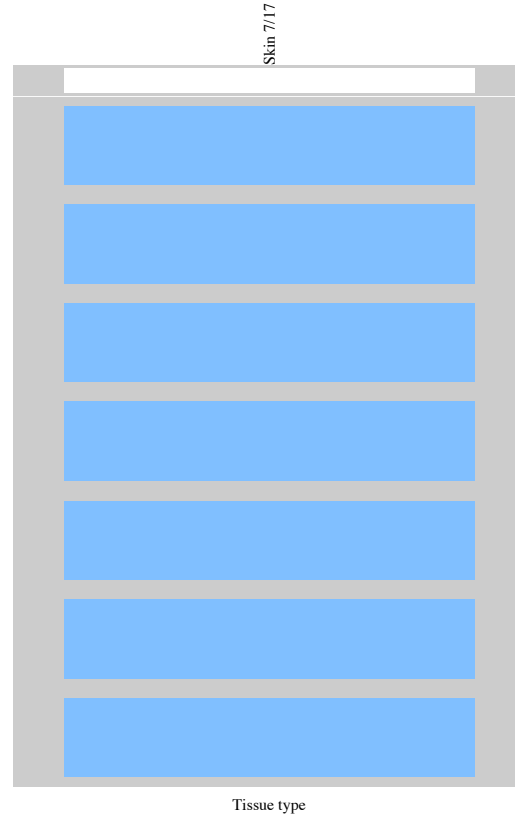
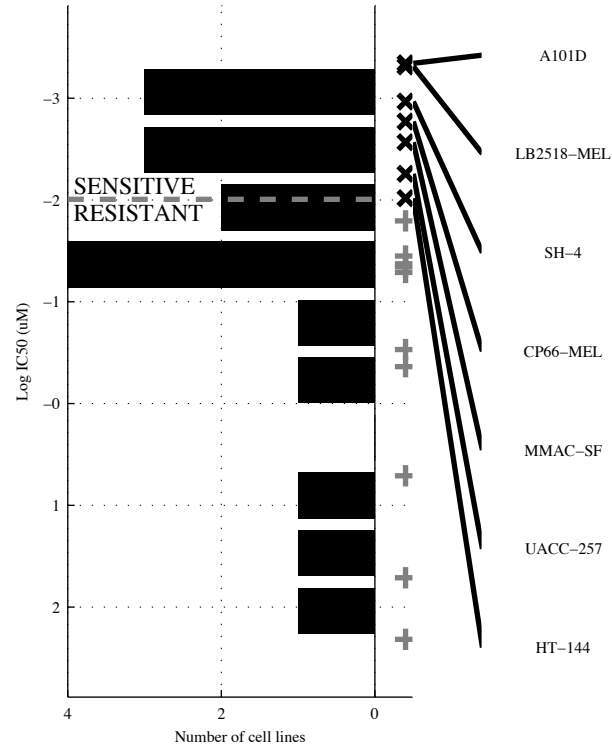
26 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>EP300</b>	<b>EP300 &amp; a(KRAS</b>	<b>EP300 &amp; KRAS &amp; -TGFB-D</b>	<b>EP300 &amp; KRAS &amp; -TGFB-D</b>	<b>EP300   Wnt-DO</b>	<b>[ EP300 &amp; a(KRAS)   -CDKN2a &amp; Wnt-DO]</b>	<b>EP300   PBRM1   Wnt-DO</b>	<b>EP300   FBXW7   PBRM1   VEGF-D</b>
TP   FP Specificity	1   2 0.9	1   0 1	1   0 1	1   0 1	3   3 0.86	3   0 1	4   3 0.86	4   2 0.9
FN   TN Precision	4   19 0.33	4   21 1	4   21 1	4   21 1	2   18 0.5	2   21 1	1   18 0.57	1   19 0.67
Recall	0.2	0.2	0.2	0.2	0.6	0.6	0.8	0.8

SKCM  
 id: 9 name: MG-132  
 target: Proteasome class: other

17 cell lines  
 7 sensitive

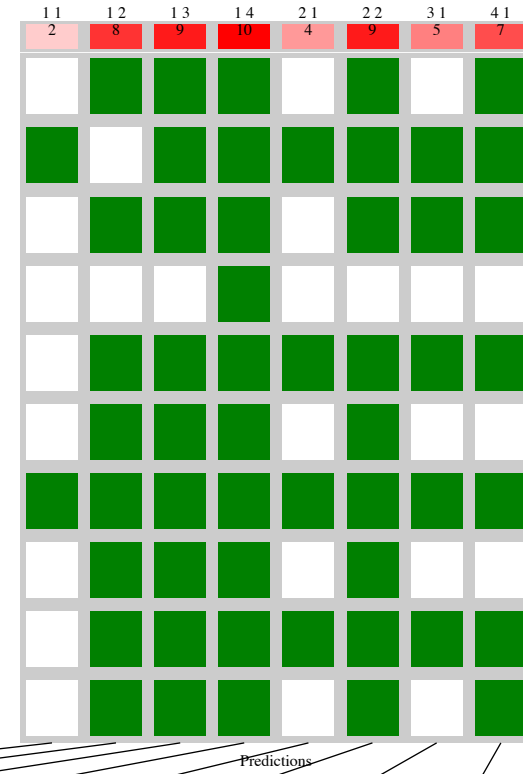
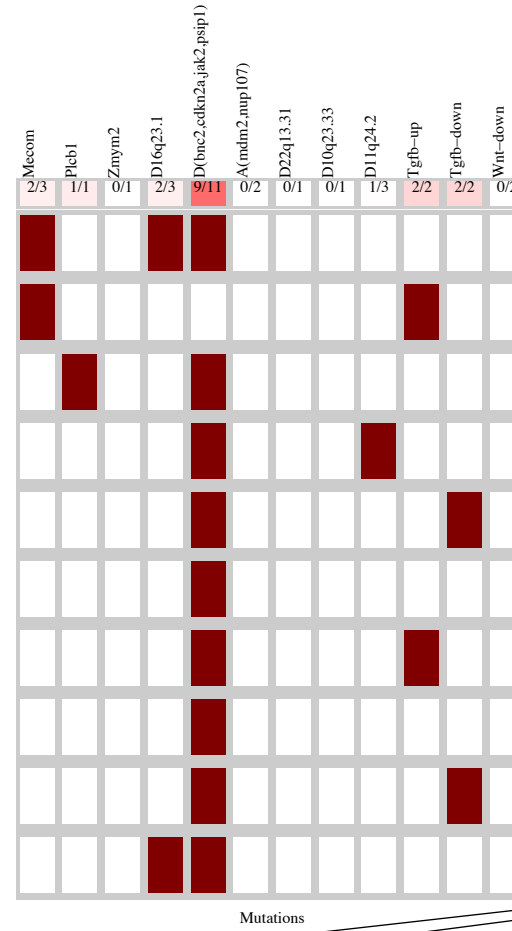
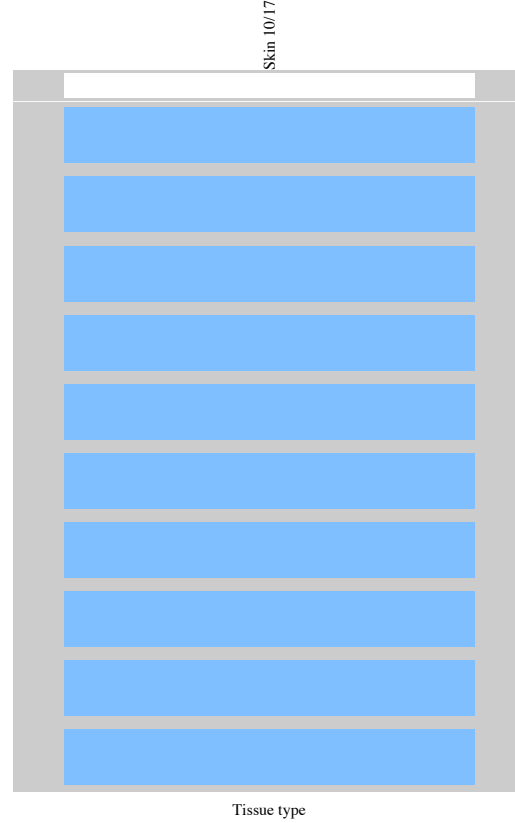
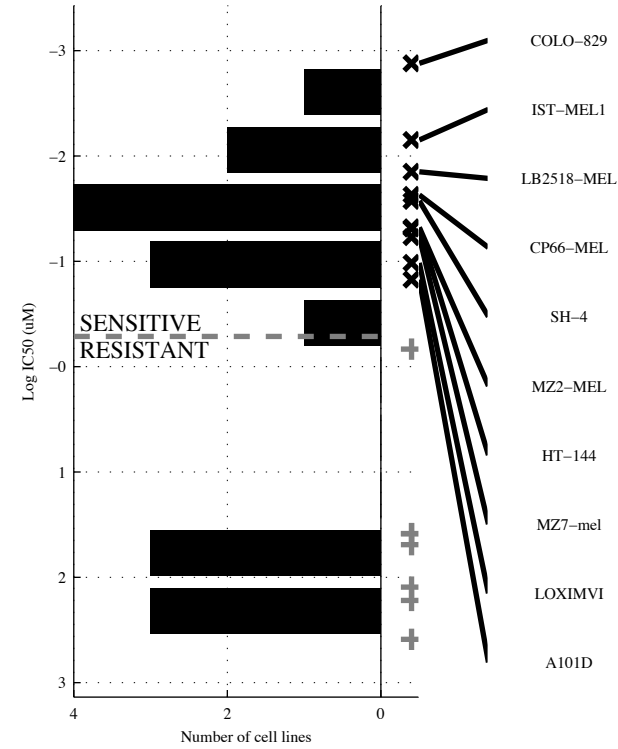


Model name	11	12	13	14	21	22	31	41
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>PLCB1</b>	<b>-TP53 &amp; VEGF-U</b>	<b>-ARID2 &amp; MECOM &amp; d(BNC2)</b>	<b>-LRP6 &amp; MECOM &amp; -a(KRAS) &amp; Wnt-DO</b>	<b>CLASP2   PLCB1</b>	<b>[ d(BNC2) &amp; VEGF-U ]   [ d16q23 &amp; Wnt-DO ]</b>	<b>CLASP2   PLCB1   STAG2</b>	<b>CLASP2   PLCB1   STAG2   a(FOXP)</b>
TP	1	2	6	7	2	3	3	5
FP	0	0	1	2	0	1	0	0
Specificity	1	1	0.9	0.8	1	0.9	1	1
FN	6	5	1	0	5	4	4	2
FP	0	0	1	2	0	1	0	0
Precision	1	1	0.86	0.78	1	0.75	1	1
FN	6	5	9	8	10	9	10	10
Recall	0.14	0.29	0.86	1	0.29	0.43	0.43	0.71



SKCM  
 id: 51 name: Dasatinib  
 target: ABL, SRC, KIT, PDGFR class: ABL signaling

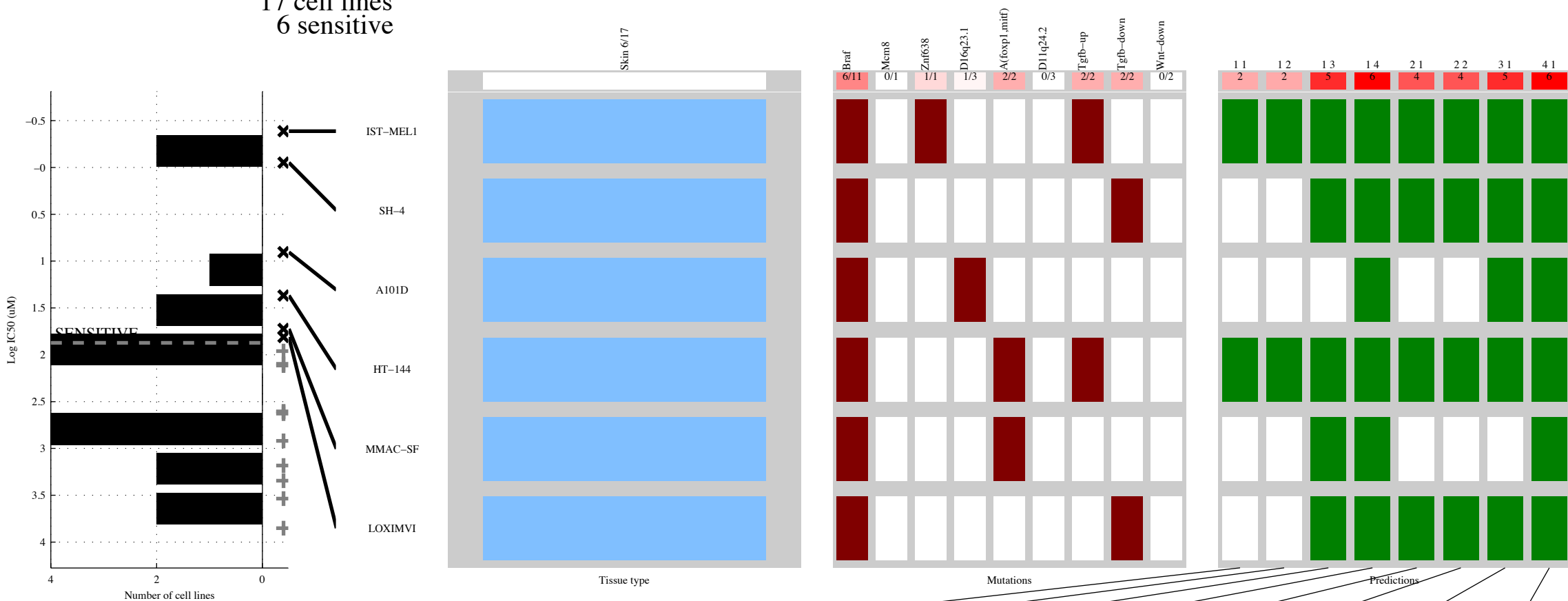
17 cell lines  
 10 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	TGFB-U	d(BNC2&-d11q24	-a(MDM&-d11q24& -Wnt-DO	-ZMYM&a(MDM& -d10q23&Wnt-DO	TGFB-UITGFB-D	[ d(BNC2&-d11q24]   [MECOM&-d22q13]	PLCB1  TGFB-U  TGFB-D	PLCB1   d16q23   TGFB-UITGFB-D
TP   FP	2   0	8   0	9   1	10   1	4   0	9   0	5   0	7   1
FN   TN	8   7	2   7	1   6	0   6	6   7	1   7	5   7	3   6
Specificity	1	1	0.86	0.86	1	1	1	0.86
Precision	1	1	0.9	0.91	1	1	1	0.88
Recall	0.2	0.8	0.9	1	0.4	0.9	0.5	0.7

SKCM  
 id: 55 name: A-770041  
 target: SRC family class: other

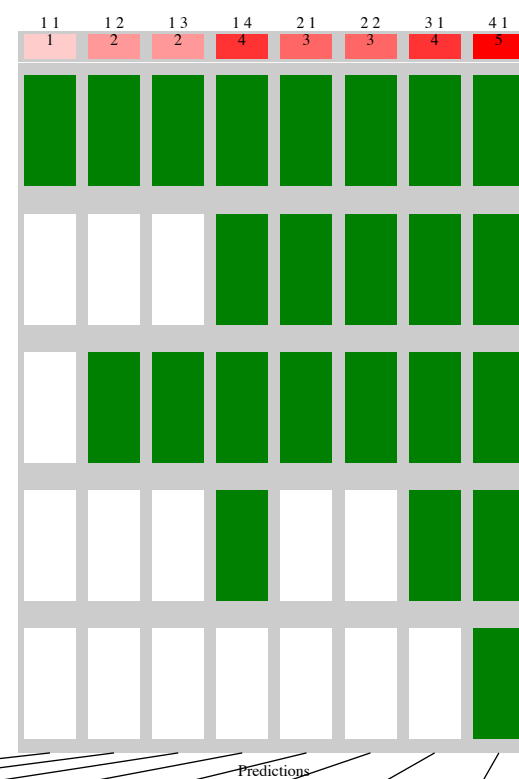
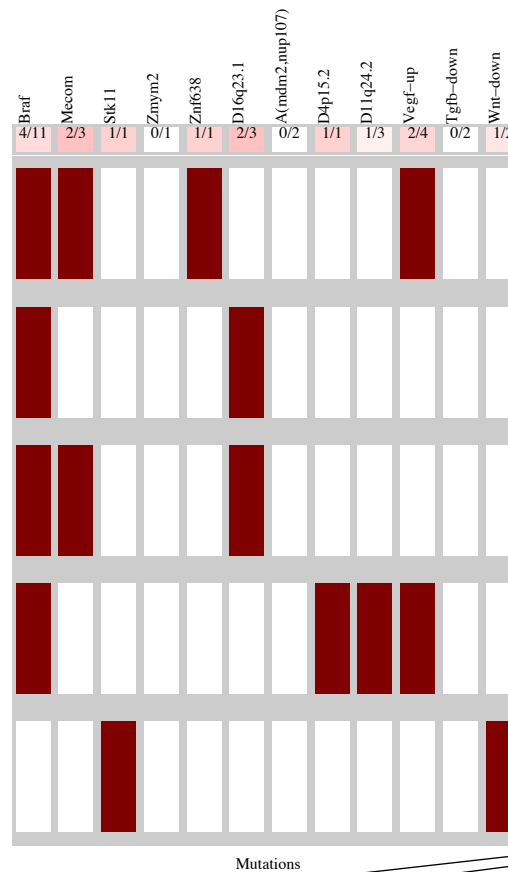
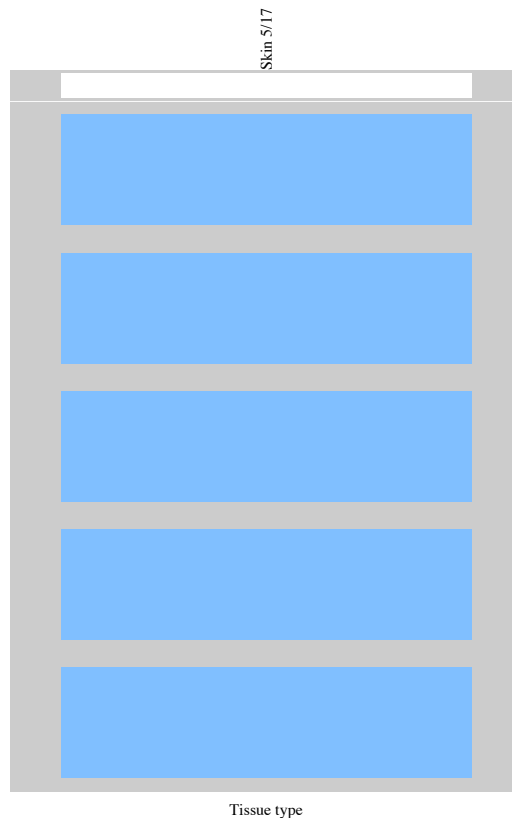
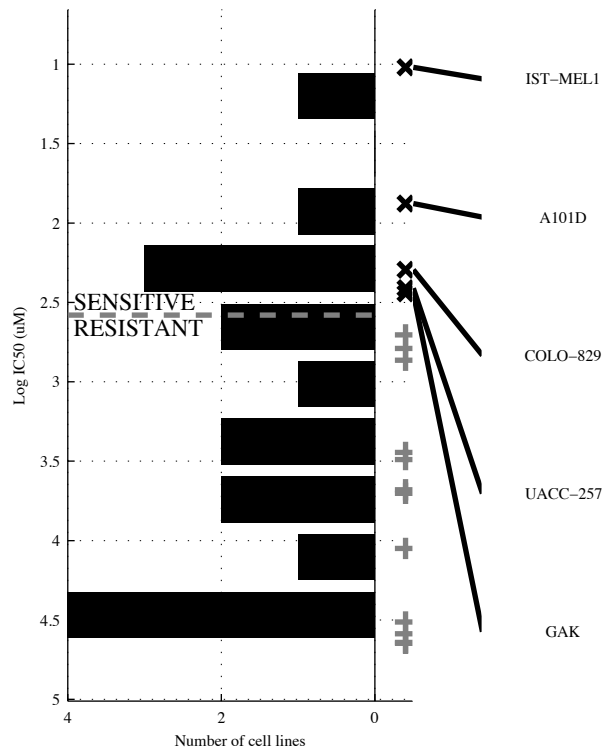
17 cell lines  
 6 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1																																																																										
K	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1																																																																									
Logic formula	<b>TGFB-U</b>		<b>TGFB-U&amp;</b>		<b>BRAF &amp;-d16q23&amp;</b> <b>-d11q24</b>		<b>BRAF &amp;-MCM8&amp;</b> <b>-d11q24&amp;Wnt-DO</b>		<b>TGFB-U TGFB-D</b>		<b>[TGFB-U&amp;  </b> <b>[TGFB-I&amp;  </b>		<b>d16q23  TGFB-U </b> <b>TGFB-D</b>		<b>ZNF638   d16q23  </b> <b>a(FOXP1 TGFB-D</b>																																																																										
<table border="0"> <tr> <td>TP</td> <td>FP</td> <td>Specificity</td> </tr> <tr> <td>FN</td> <td>TN</td> <td>Precision</td> </tr> <tr> <td></td> <td></td> <td>Recall</td> </tr> </table>	TP	FP	Specificity	FN	TN	Precision			Recall	<table border="0"> <tr> <td>2</td> <td>0</td> <td>1</td> </tr> <tr> <td>4</td> <td>11</td> <td>1</td> </tr> <tr> <td></td> <td></td> <td>0.33</td> </tr> </table>	2	0	1	4	11	1			0.33	<table border="0"> <tr> <td>2</td> <td>0</td> <td>1</td> </tr> <tr> <td>4</td> <td>11</td> <td>1</td> </tr> <tr> <td></td> <td></td> <td>0.33</td> </tr> </table>	2	0	1	4	11	1			0.33	<table border="0"> <tr> <td>5</td> <td>2</td> <td>0.82</td> </tr> <tr> <td>1</td> <td>9</td> <td>0.71</td> </tr> <tr> <td></td> <td></td> <td>0.83</td> </tr> </table>	5	2	0.82	1	9	0.71			0.83	<table border="0"> <tr> <td>6</td> <td>2</td> <td>0.82</td> </tr> <tr> <td>0</td> <td>9</td> <td>0.75</td> </tr> <tr> <td></td> <td></td> <td>1</td> </tr> </table>	6	2	0.82	0	9	0.75			1	<table border="0"> <tr> <td>4</td> <td>0</td> <td>1</td> </tr> <tr> <td>2</td> <td>11</td> <td>1</td> </tr> <tr> <td></td> <td></td> <td>0.67</td> </tr> </table>	4	0	1	2	11	1			0.67	<table border="0"> <tr> <td>4</td> <td>0</td> <td>1</td> </tr> <tr> <td>2</td> <td>11</td> <td>1</td> </tr> <tr> <td></td> <td></td> <td>0.67</td> </tr> </table>	4	0	1	2	11	1			0.67	<table border="0"> <tr> <td>5</td> <td>2</td> <td>0.82</td> </tr> <tr> <td>1</td> <td>9</td> <td>0.71</td> </tr> <tr> <td></td> <td></td> <td>0.83</td> </tr> </table>	5	2	0.82	1	9	0.71			0.83	<table border="0"> <tr> <td>6</td> <td>2</td> <td>0.82</td> </tr> <tr> <td>0</td> <td>9</td> <td>0.75</td> </tr> <tr> <td></td> <td></td> <td>1</td> </tr> </table>	6	2	0.82	0	9	0.75			1
TP	FP	Specificity																																																																																							
FN	TN	Precision																																																																																							
		Recall																																																																																							
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		0.33																																																																																							
5	2	0.82																																																																																							
1	9	0.71																																																																																							
		0.83																																																																																							
6	2	0.82																																																																																							
0	9	0.75																																																																																							
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2	11	1																																																																																							
		0.67																																																																																							
4	0	1																																																																																							
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1	9	0.71																																																																																							
		0.83																																																																																							
6	2	0.82																																																																																							
0	9	0.75																																																																																							
		1																																																																																							

SKCM  
 id: 94 name: TGX221  
 target: PI3Kbeta class: PI3K signaling

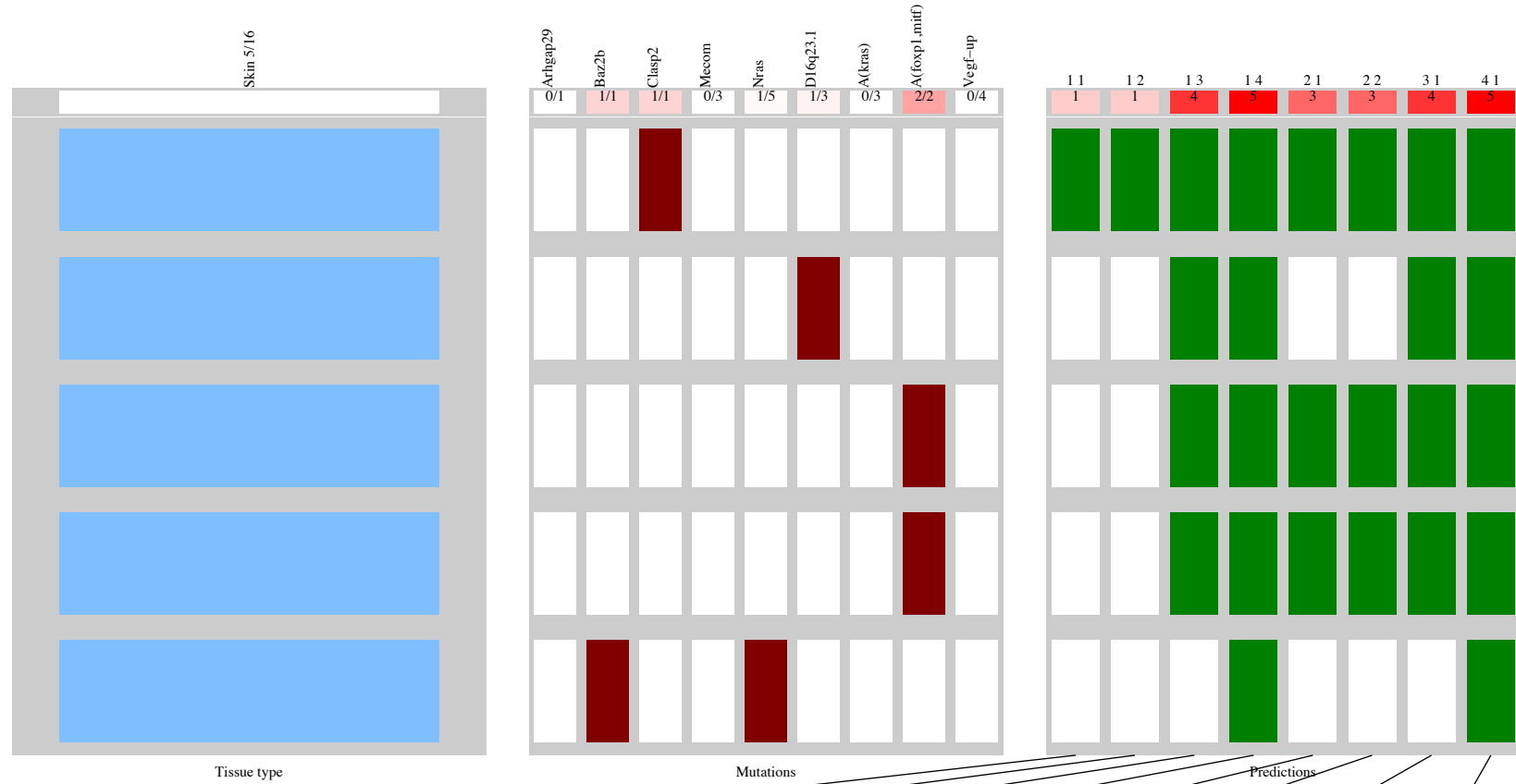
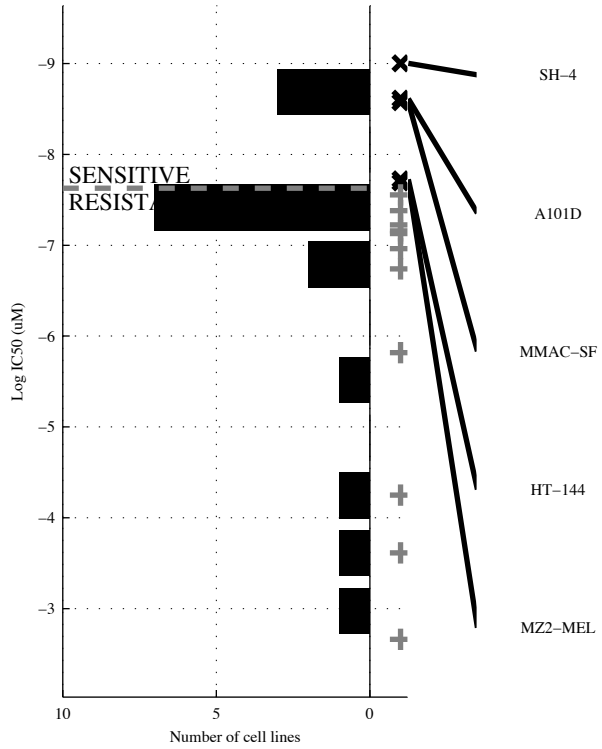
17 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>ZNF638</b>	<b>MECOM &amp; ZMYM2</b>	<b>MECOM &amp; ZMYM2</b>	<b>BRAF &amp; a(MDM2)</b> <b>-TGFB- &amp; Wnt-DO</b>	<b>ZNF638   d16q23</b>	<b>[MECOM &amp; -d11q24]</b> <b> </b> <b>[ d16q23 &amp; VEGF-U]</b>	<b>ZNF638   d16q23  </b> <b>d4p15.</b>	<b>STK11   ZNF638  </b> <b>d16q23   d4p15.</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{4} \mid \frac{0}{12}$ 1 0.2	$\frac{2}{3} \mid \frac{0}{12}$ 1 0.4	$\frac{2}{3} \mid \frac{0}{12}$ 1 0.4	$\frac{4}{1} \mid \frac{2}{10}$ 0.83 0.67 0.8	$\frac{3}{2} \mid \frac{1}{11}$ 0.92 0.75 0.6	$\frac{3}{2} \mid \frac{0}{12}$ 1 1 0.6	$\frac{4}{1} \mid \frac{1}{11}$ 0.92 0.8 0.8	$\frac{5}{0} \mid \frac{1}{11}$ 0.92 0.83 1

SKCM  
 id: 104 name: Bortezomib  
 target: Proteasome class: other

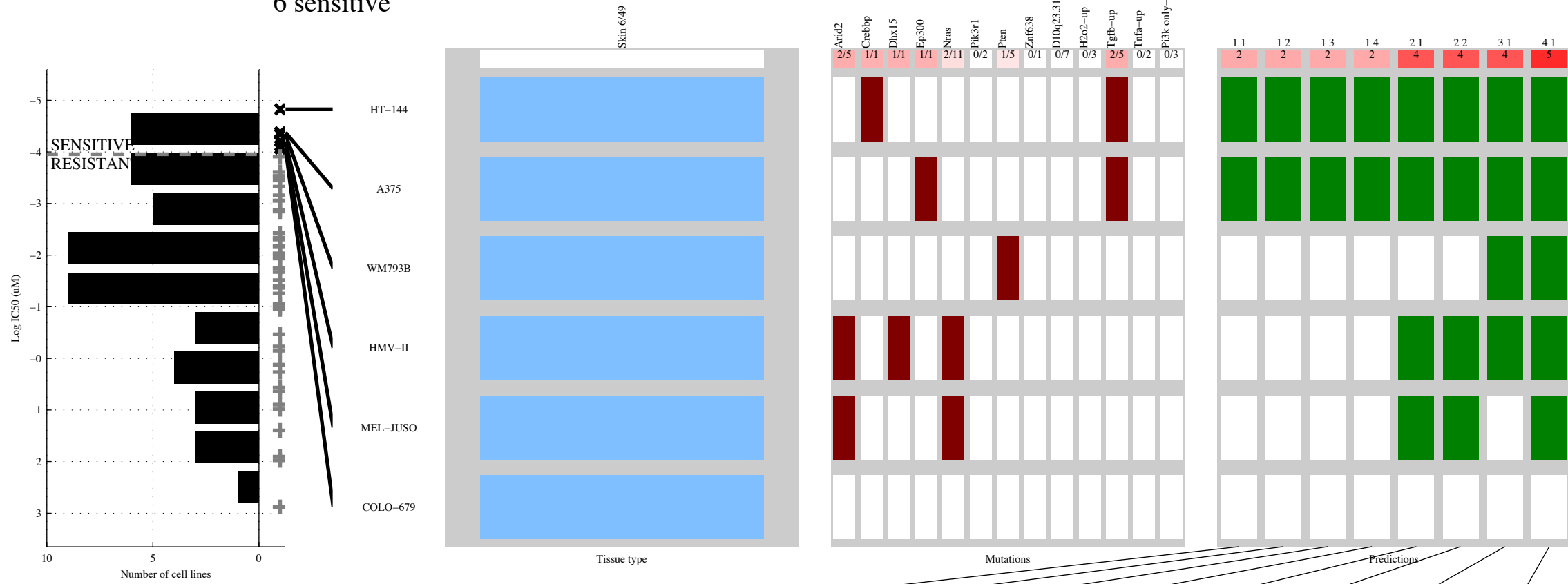
16 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>CLASP2</b>	<b>CLASP2</b>	<b>~NRAS &amp; a(KRAS)</b>	<b>~ARHGAP29 &amp; MECOM</b>	<b>CLASP2   a(FOXP)</b>	<b>[ a(FOXP &amp; ]</b>	<b>CLASP2   d16q23  </b>	<b>BAZ2B   CLASP2  </b>
			<b>~VEGF-U</b>	<b>~a(KRAS &amp; VEGF-U</b>		<b>[ CLASP2 &amp; ]</b>	<b>a(FOXP</b>	<b>d16q23   a(FOXP</b>
TP   FP	1   0	1   0	4   2	5   2	3   0	3   0	4   2	5   2
Specificity	1	1	0.82	0.82	1	1	0.82	0.82
FN   TN	4   11	4   11	1   9	0   9	2   11	2   11	1   9	0   9
Precision	1	1	0.67	0.71	1	1	0.67	0.71
Recall	0.2	0.2	0.8	1	0.6	0.6	0.8	1

SKCM  
 id: 133 name: Doxorubicin  
 target: DNA intercalating class: DNA replication

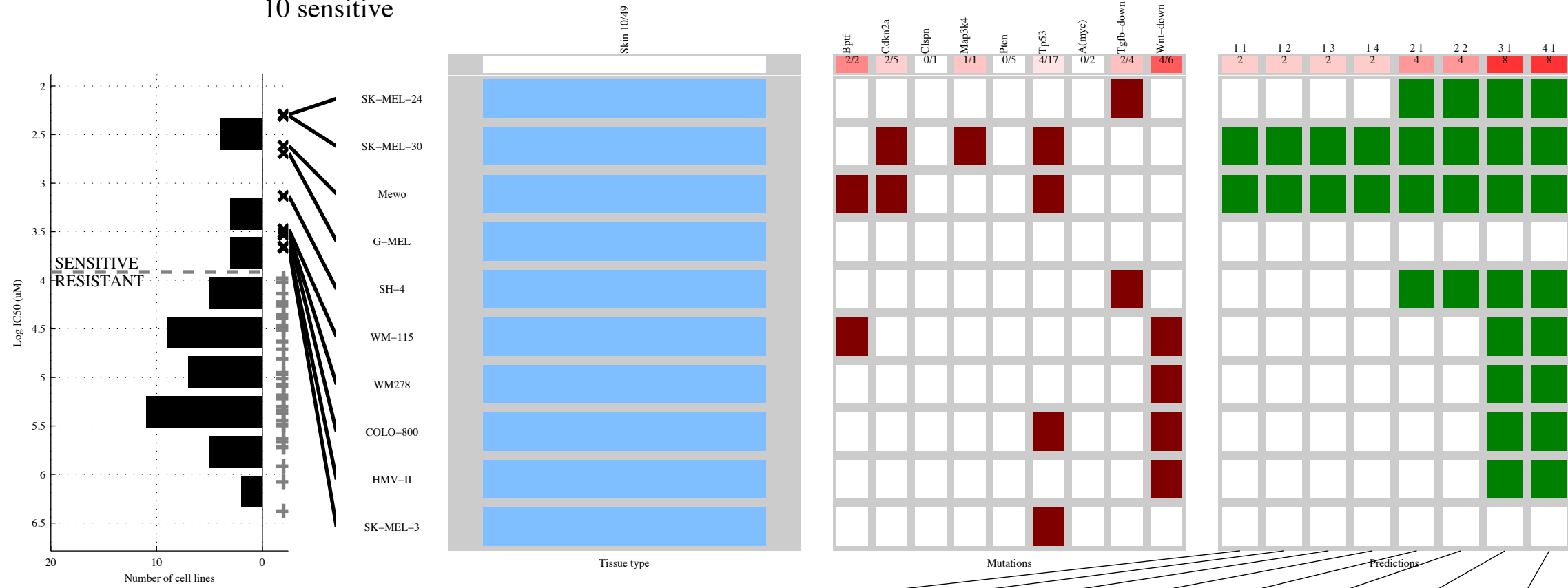
49 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>TGFB-U</b>	<b>~d10q23.31 &amp; TGFB-U</b>	<b>~ZNF638 &amp; H2O2-up &amp; TGFB-U</b>	<b>~PIK3R1 &amp; ZNF638 &amp; TGFB-U &amp; TNFa-U</b>	<b>ARID2   TGFB-U</b>	<b>[ ARID2 &amp; NRAS ]   [TGFB-U &amp; ~PI3K o]</b>	<b>DHX15   PTEN   TGFB-U</b>	<b>ARID2   CREBBP   EP300   PTEN</b>
TP   FP Specificity	2   3 0.93	2   1 0.98	2   0 1	2   0 1	4   6 0.86	4   2 0.95	4   7 0.84	5   7 0.84
FN   TN Precision	4   40 0.4	4   42 0.67	4   43 1	4   43 1	2   37 0.4	2   41 0.67	2   36 0.36	1   36 0.42
Recall	0.33	0.33	0.33	0.33	0.67	0.67	0.67	0.83

SKCM  
 id: 147 name: NSC-87877  
 target: PTPN6 (SHP-1), PTPN11 (SHP-2) class: other

49 cell lines  
 10 sensitive

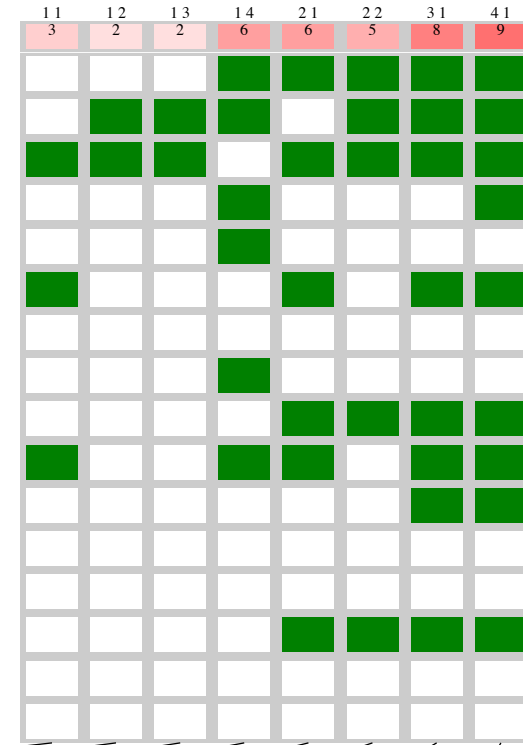
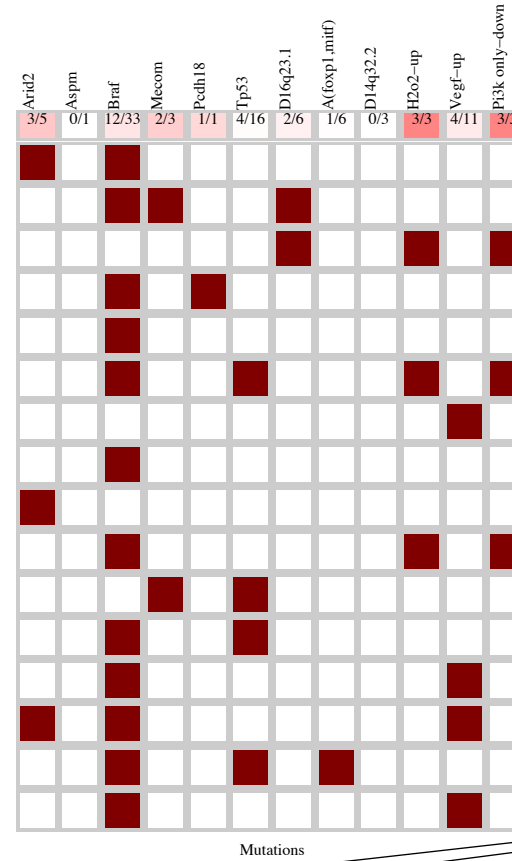
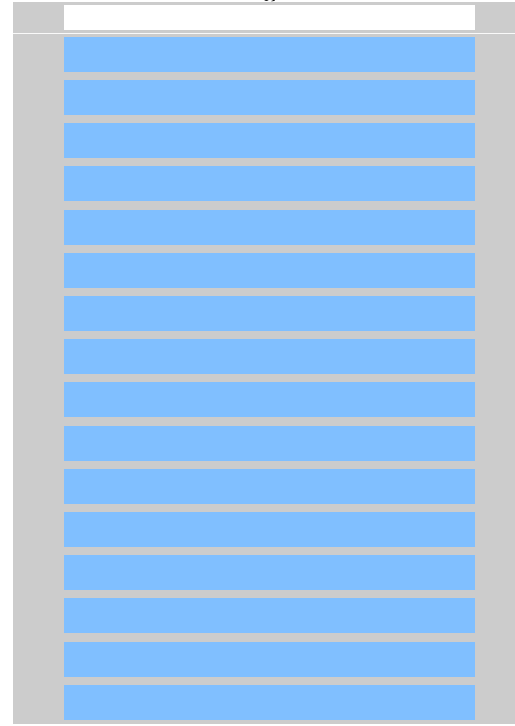
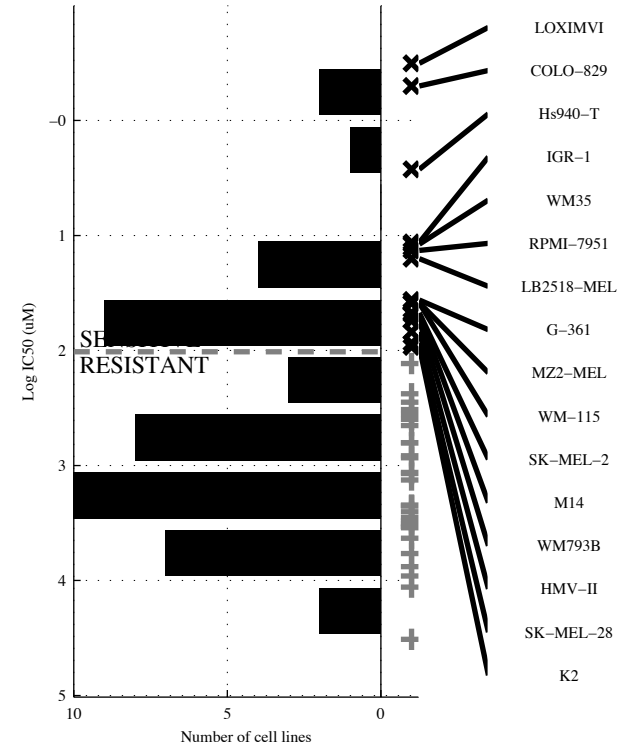


Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1		
K	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1	
Logic formula	<b>CDKN2A</b>		<b>CDKN2A &amp; TP53</b>		<b>CDKN2A &amp; TP53 &amp; <math>\neg</math>a(MYC)</b>		<b>CDKN2A &amp; CLSPN &amp; TP53 &amp;</b>		<b>CDKN2A &amp; TGFB-D</b>		<b>[ <math>\neg</math>PTEN &amp; TGFB-D ]   <b>[ CDKN2A &amp; TP53 ]</b></b>		<b>CDKN2A &amp; TGFB-D</b>		<b>BPTF &amp; MAP3K4 &amp; TGFB-D &amp; Wnt-DO</b>		
TP   FP FN   TN	2   3 8   36	2   1 8   38	2   0 8   39	1   1 39   39	2   0 8   39	4   5 6   34	4   2 6   37	8   7 2   32	8   4 2   35	0.92 0.4 0.2	0.97 0.67 0.2	1 1 0.2	1 1 0.2	0.87 0.44 0.4	0.95 0.67 0.4	0.82 0.53 0.8	0.9 0.67 0.8

SKCM  
 id: 154 name: CHIR-99021  
 target: GSK3B class: WNT signaling

46 cell lines  
 16 sensitive

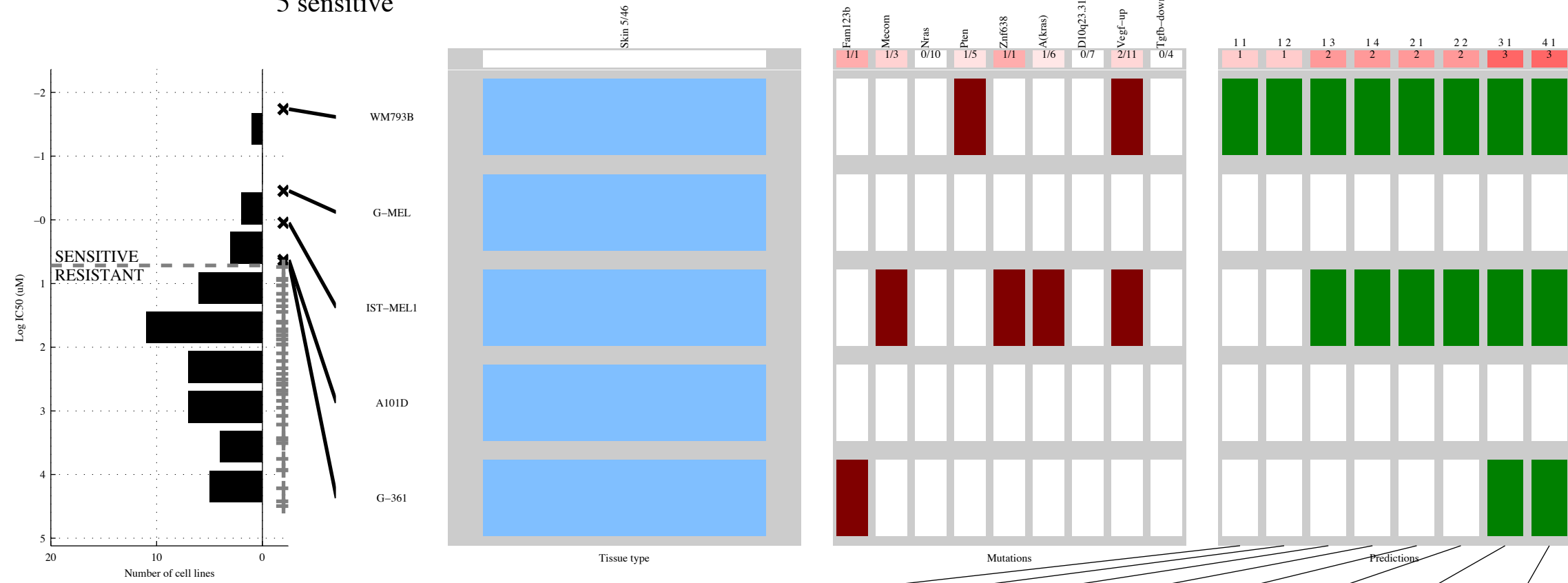
Skin 16/46



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>PI3K o</b>		<b>-TP53 &amp; d16q23</b>		<b>-TP53 &amp; d16q23 &amp; -d14q32</b>		<b>BRAF &amp; -TP53 &amp; -a(FOX) &amp; VEGF-U</b>		<b>ARID2   PI3K o</b>		<b>[ ARID2 &amp; -ASPM ]   [ -TP53 &amp; d16q23 ]</b>		<b>ARID2   MECOM   H2O2-U</b>		<b>ARID2   MECOM   PCDH18   H2O2-U</b>	
TP   FP Specificity	3   0	1	2   2	0.93	2   1	0.97	6   6	0.8	6   2	0.93	5   2	0.93	8   3	0.9	9   3	0.9
FN   TN Precision	13   30	1	14   28	0.5	14   29	0.67	10   24	0.5	10   28	0.75	11   28	0.71	8   27	0.73	7   27	0.75
Recall	0.19		0.13		0.13		0.38		0.38		0.31		0.5		0.56	

SKCM  
 id: 156 name: AZD6482  
 target: PI3Kbeta class: PI3K signaling

46 cell lines  
 5 sensitive

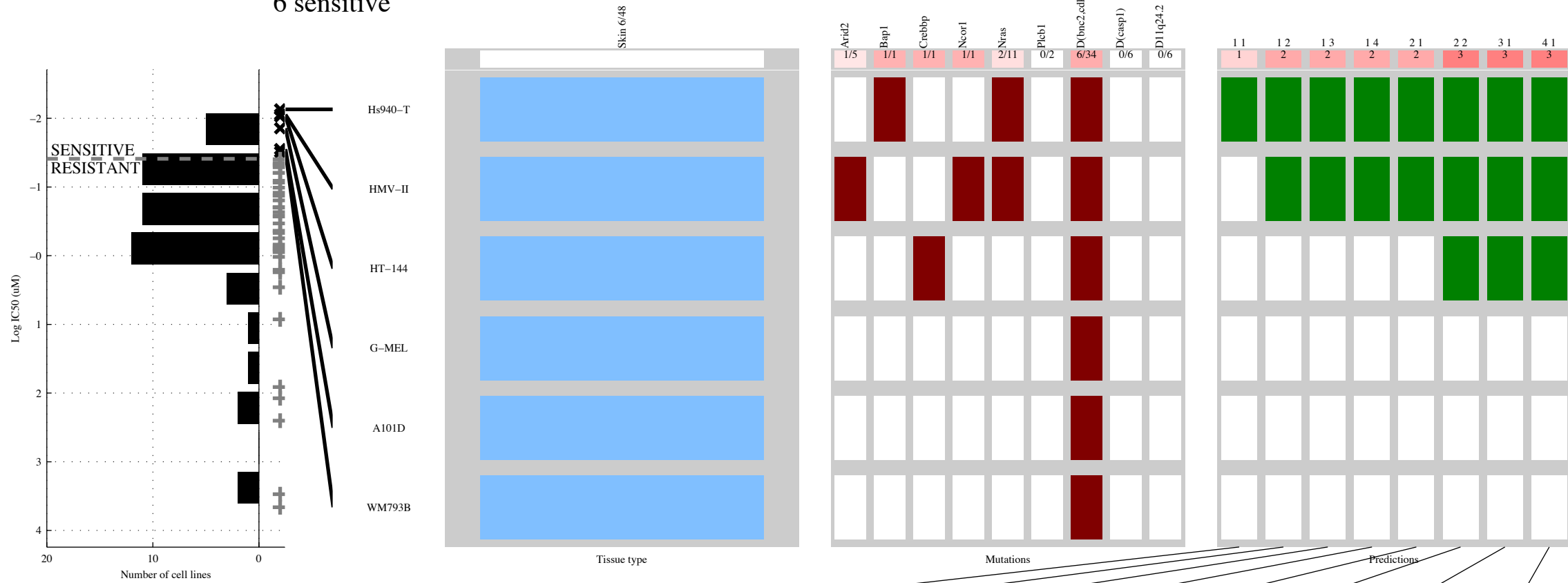


Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>PTEN</b>		<b>PTEN &amp; TGFB-D</b>		<b>~NRAS &amp; ~d10q23 &amp; VEGF-U</b>		<b>~NRAS &amp; ~d10q23 &amp; VEGF-U &amp; TGFB-D</b>		<b>PTEN   ZNF638</b>		<b>[MECOM &amp; a(KRAS)]   [PTEN &amp; TGFB-D]</b>		<b>FAM123   PTEN   ZNF638</b>		<b>FAM123   PTEN   ZNF638  </b>	
TP   FP Specificity	1   4	0.9	1   3	0.93	2   4	0.9	2   3	0.93	2   4	0.9	2   3	0.93	3   4	0.9	3   4	0.9
FN   TN Precision	4   37	0.2	4   38	0.25	3   37	0.33	3   38	0.4	3   37	0.33	3   38	0.4	2   37	0.43	2   37	0.43
Recall		0.2		0.2		0.4		0.4		0.4		0.4		0.6		0.6



SKCM  
 id: 157 name: JNK-9L  
 target: JNK class: JNK and p38 signaling

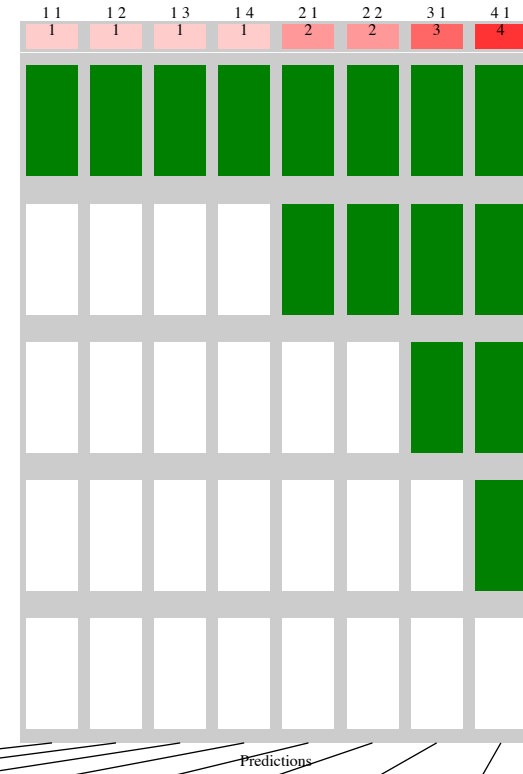
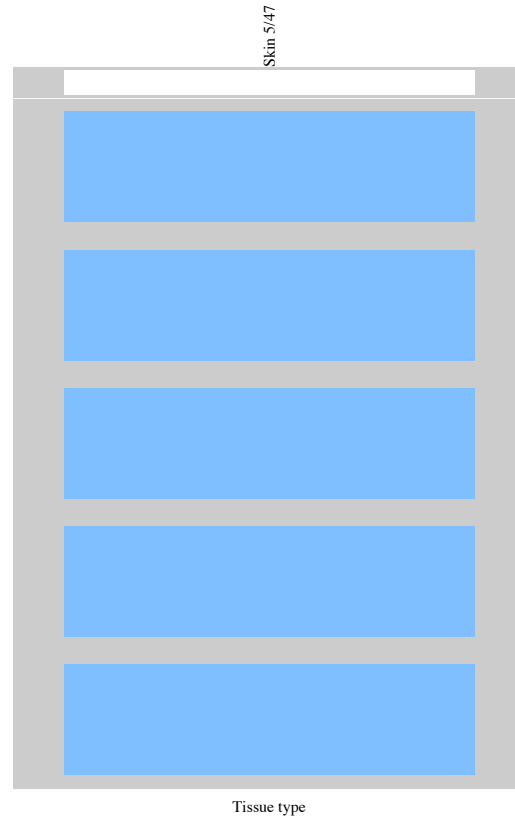
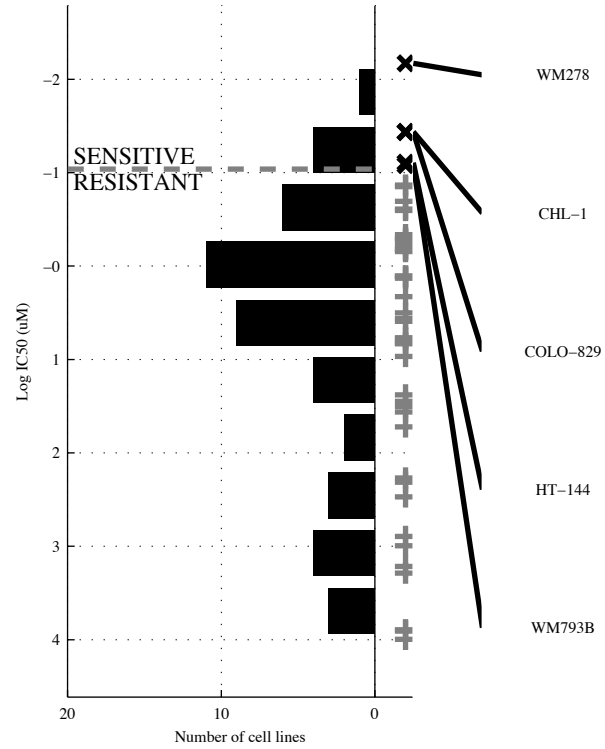
48 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>BAP1</b>	<b>NRAS &amp; d(CASP)</b>	<b>NRAS &amp; d(BNC2&amp; d(CASP)</b>	<b>NRAS &amp; d(PLCB1&amp; d(BNC2&amp; d11q24)</b>	<b>BAP1   NCOR1</b>	<b>[¬ARID2&amp; CREBBP]   [¬NRAS &amp; d(CASP)]</b>	<b>BAP1   CREBBP   NCOR1</b>	<b>BAP1   CREBBP   NCOR1  </b>
TP   FP	1   0	2   6	2   3	2   2	2   0	3   6	3   0	3   0
FN   TN	5   42	4   36	4   39	4   40	4   42	3   36	3   42	3   42
Specificity	1	0.86	0.93	0.95	1	0.86	1	1
Precision	1	0.25	0.4	0.5	1	0.33	1	1
Recall	0.17	0.33	0.33	0.33	0.33	0.5	0.5	0.5

SKCM  
 id: 159 name: HG-6-64-1  
 target: BRAFV600E, TAK, MAP4K5 class: ERK MAPK signaling

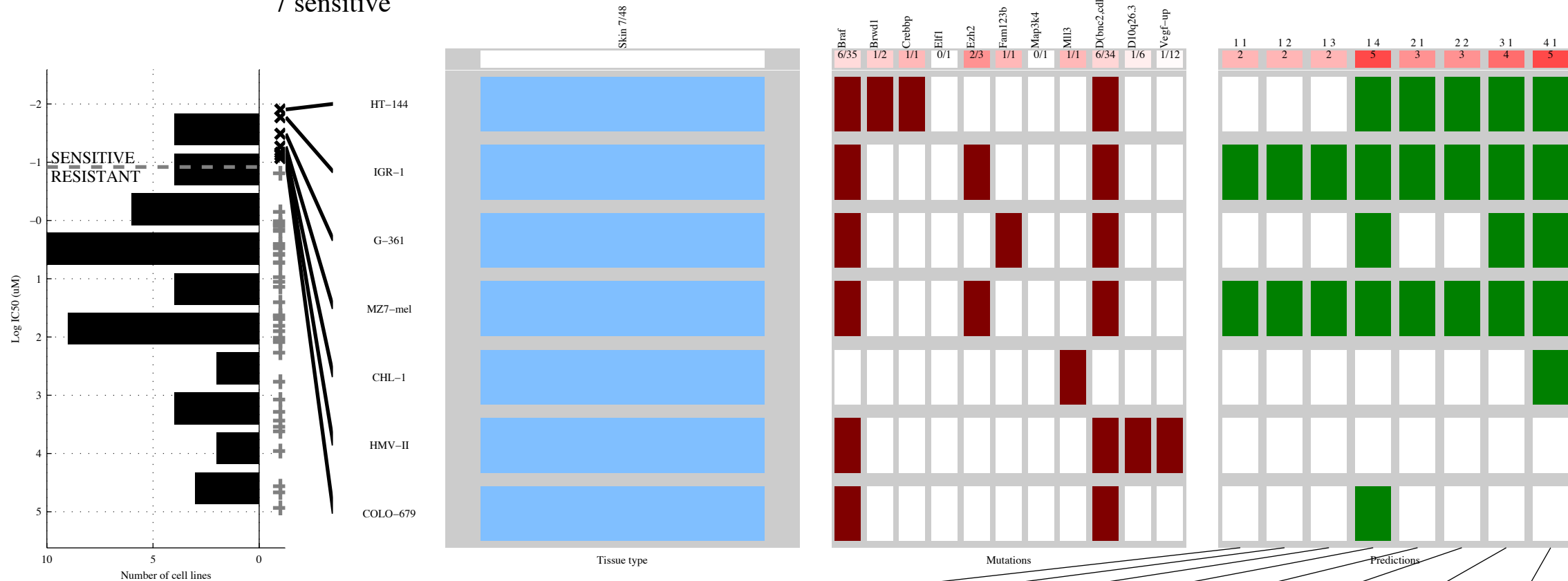
47 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>Wnt-DO</b>	<b>VEGF-U&amp;Wnt-DO</b>	<b>-PIK3R&amp;d(BNC2&amp;Wnt-DO</b>	<b>-CTCF&amp;-PIK3R&amp;-d16q23&amp;Wnt-DO</b>	<b>CLSPN  Wnt-DO</b>	<b>[VEGF-U&amp;Wnt-DO]  </b>	<b>CLSPN  MECOMI</b>	<b>CREBBPMECOMI</b>
TP   FP Specificity	1   4 0.9	1   1 0.98	1   0 1	1   0 1	2   4 0.9	2   1 0.98	3   6 0.86	4   6 0.86
FN   TN Precision	4   38 0.2	4   41 0.5	4   42 1	4   42 1	3   38 0.33	3   41 0.67	2   36 0.33	1   36 0.4
Recall	0.2	0.2	0.2	0.2	0.4	0.4	0.6	0.8

SKCM  
 id: 164 name: JQ12  
 target: HDAC class: chromain histone acetylation

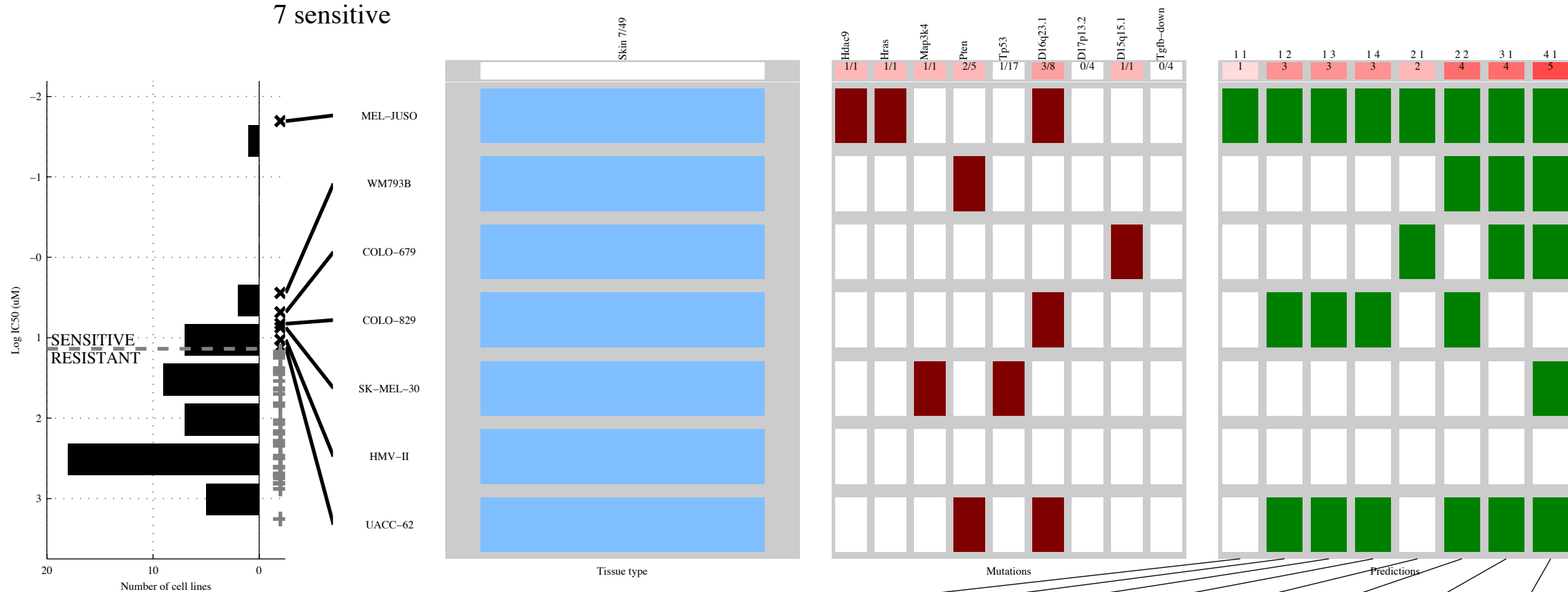
48 cell lines  
 7 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>EZH2</b>	<b>EZH2 &amp; MAP3K4</b>	<b>EZH2 &amp; MAP3K4</b>	<b>BRAF &amp; d(BNC2 &amp; -d10q26 &amp; VEGF-U</b>	<b>CREBBP   EZH2</b>	<b>[ EZH2 &amp; MAP3K4   [ BRWD1 &amp; -ELF1 ]</b>	<b>CREBBP   EZH2   FAM123</b>	<b>CREBBP   EZH2   FAM123   MLL3</b>
TP   FP	2   1	2   0	2   0	5   8	3   1	3   0	4   1	5   1
Specificity	0.98	1	1	0.8	0.98	1	0.98	0.98
FN   TN	5   40	5   41	5   41	2   33	4   40	4   41	3   40	2   40
Precision	0.67	1	1	0.38	0.75	1	0.8	0.83
Recall	0.29	0.29	0.29	0.71	0.43	0.43	0.57	0.71

SKCM  
 id: 166 name: FTI-277  
 target: Farnesyl transferase (FNTA) class: other

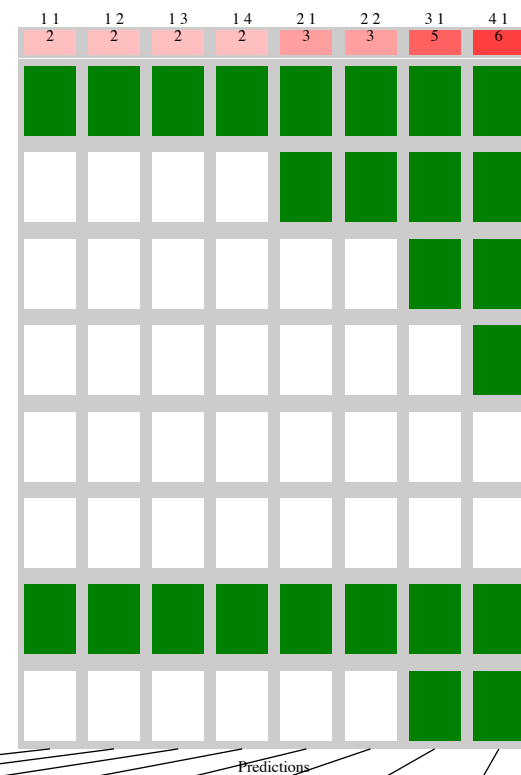
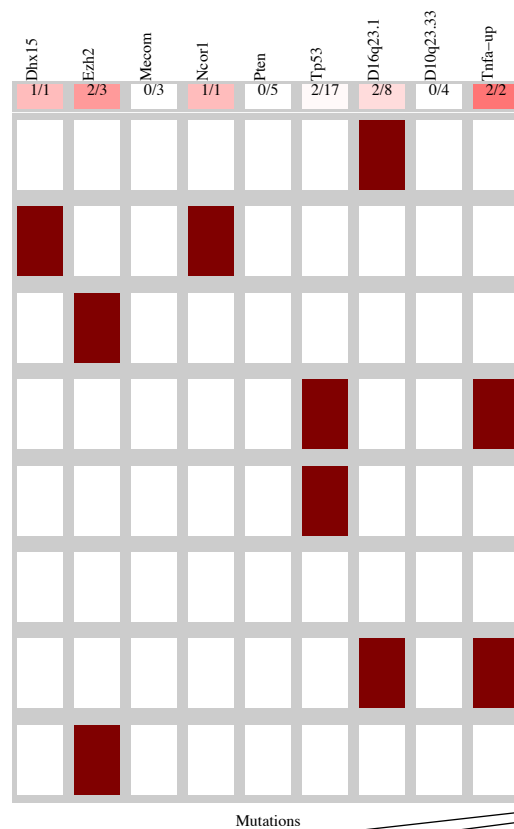
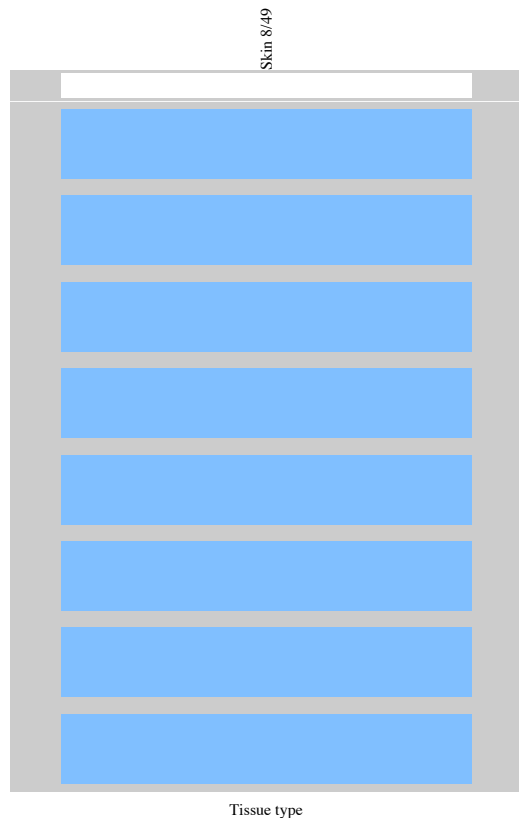
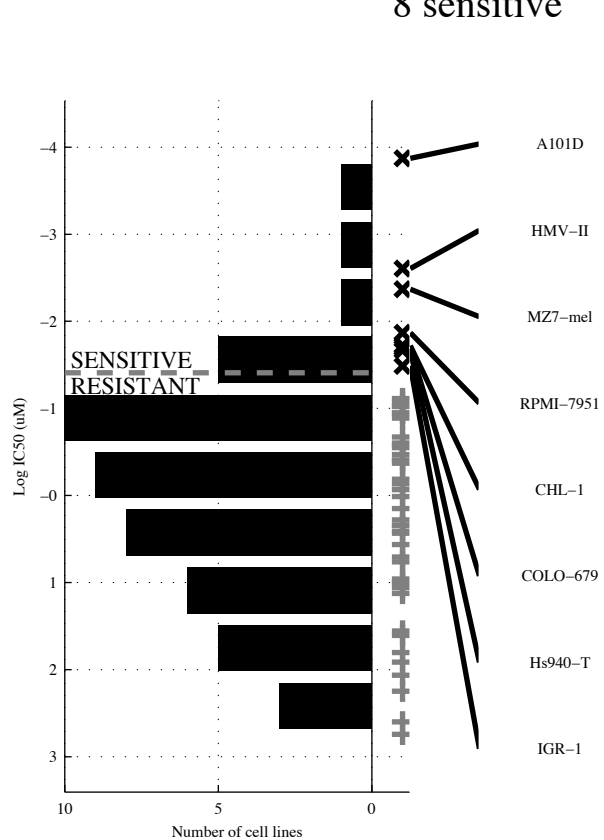
49 cell lines  
 7 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>HDAC9</b>	<b>-TP53 &amp; d16q23</b>	<b>-TP53 &amp; d16q23 &amp; -d17p13</b>	<b>-TP53 &amp; d16q23 &amp; -d17p13&amp;</b>	<b>HRAS   d15q15</b>	<b>[ -TP53 &amp; d16q23 ]   [ PTEN &amp; TGFB-D ]</b>	<b>HRAS   PTEN   d15q15</b>	<b>HRAS   MAP3K4   PTEN   d15q15</b>
TP   FP Specificity	1   0 1	3   2 0.95	3   1 0.98	3   1 0.98	2   0 1	4   4 0.9	4   3 0.93	5   3 0.93
FN   TN Precision	6   42 1	4   40 0.6	4   41 0.75	4   41 0.75	5   42 1	3   38 0.5	3   39 0.57	2   39 0.63
Recall	0.14	0.43	0.43	0.43	0.29	0.57	0.57	0.71

SKCM  
 id: 170 name: Shikonin  
 target: unknown class: other

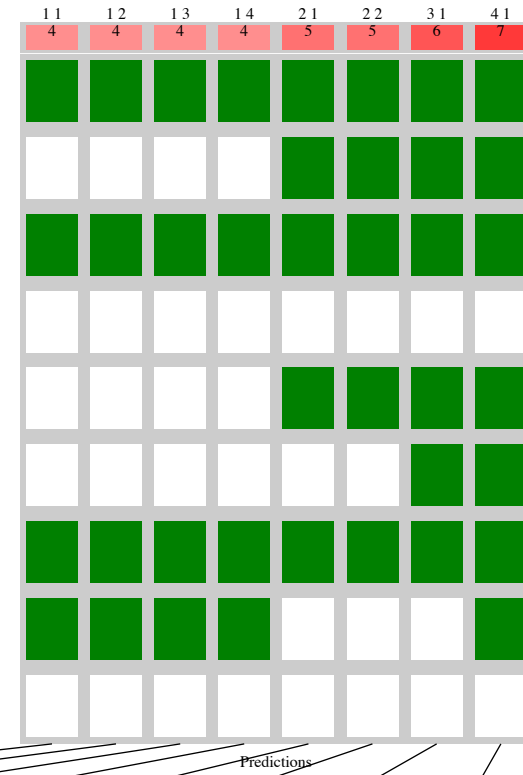
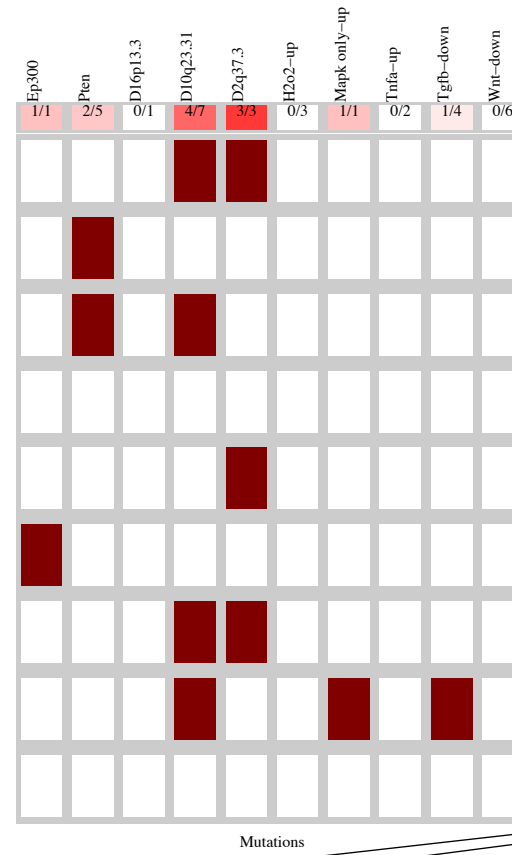
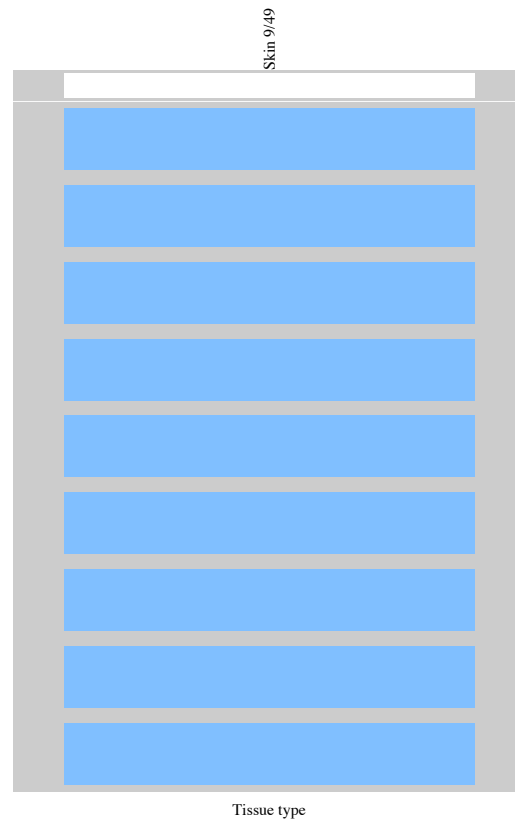
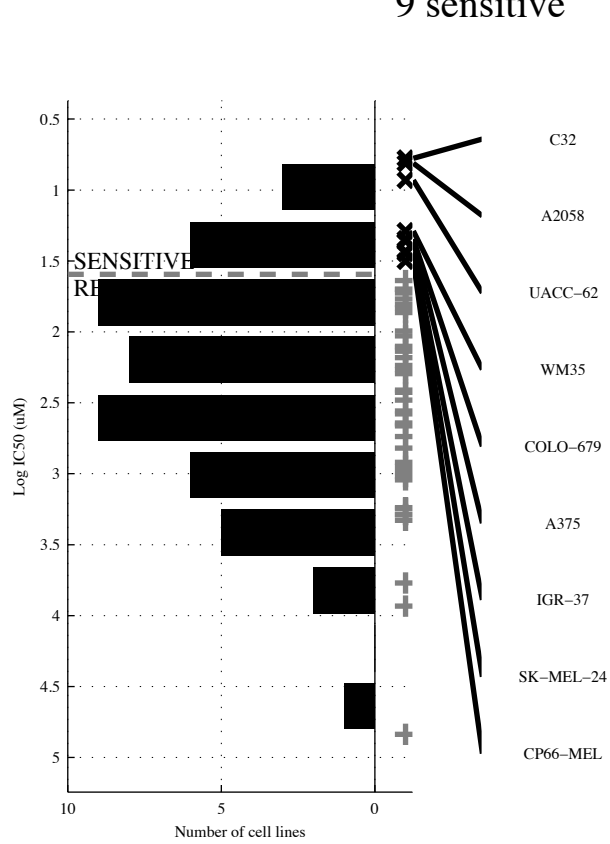
49 cell lines  
 8 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	M															
Logic formula	<b>d16q23</b>		<b>-TP53 &amp; d16q23</b>		<b>-PTEN &amp; -TP53 &amp; d16q23</b>		<b>-MECOM &amp; -TP53 &amp; d16q23 &amp; d10q23</b>		<b>DHX15   d16q23</b>		[ DHX15 & ]   [ -TP53 & d16q23 ]		<b>DHX15   EZH2   d16q23</b>		<b>EZH2   NCOR1   d16q23   TNFa-U</b>	
TP   FP	2   6	0.85	2   3	0.93	2   2	0.95	2   1	0.98	3   6	0.85	3   3	0.93	5   7	0.83	6   7	0.83
FN   TN	6   35	0.25	6   38	0.4	6   39	0.5	6   40	0.67	5   35	0.33	5   38	0.5	3   34	0.42	2   34	0.46
Specificity	0.85		0.93		0.95		0.98		0.85		0.93		0.83		0.83	
Precision	0.25		0.4		0.5		0.67		0.33		0.5		0.42		0.46	
Recall	0.25		0.25		0.25		0.25		0.38		0.38		0.63		0.75	

SKCM  
 id: 172 name: Embelin  
 target: XIAP class: apoptosis regulation

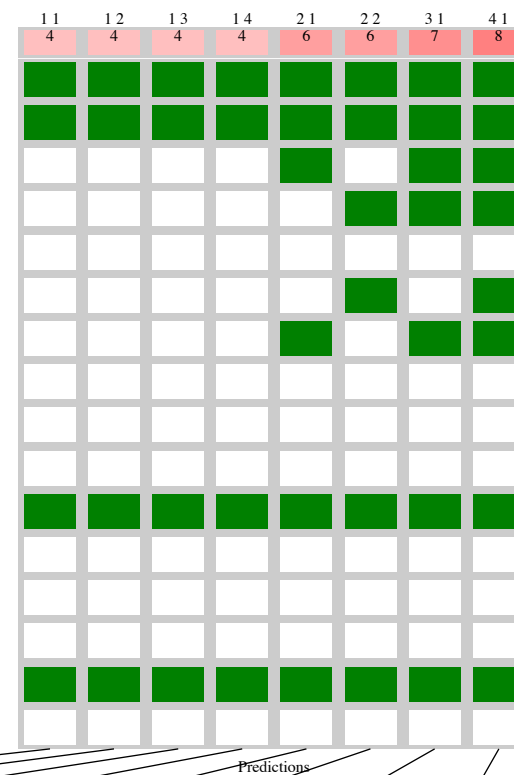
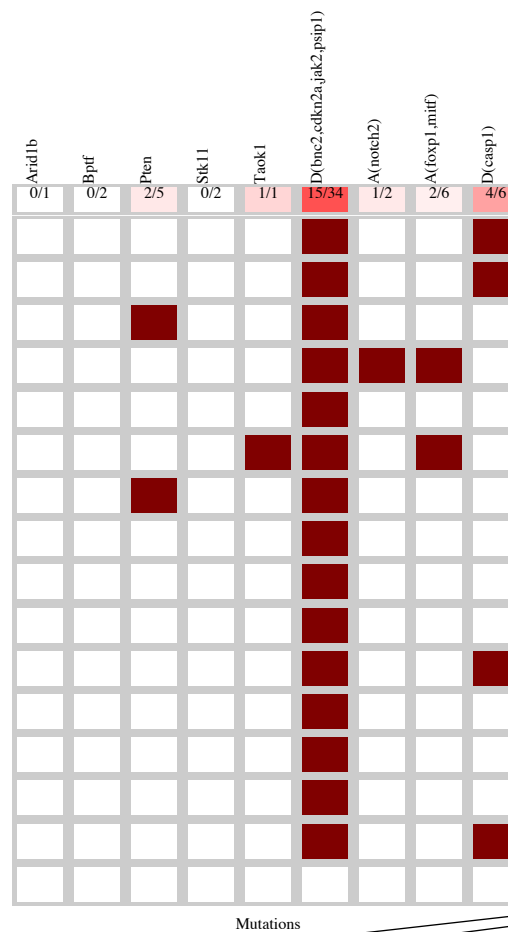
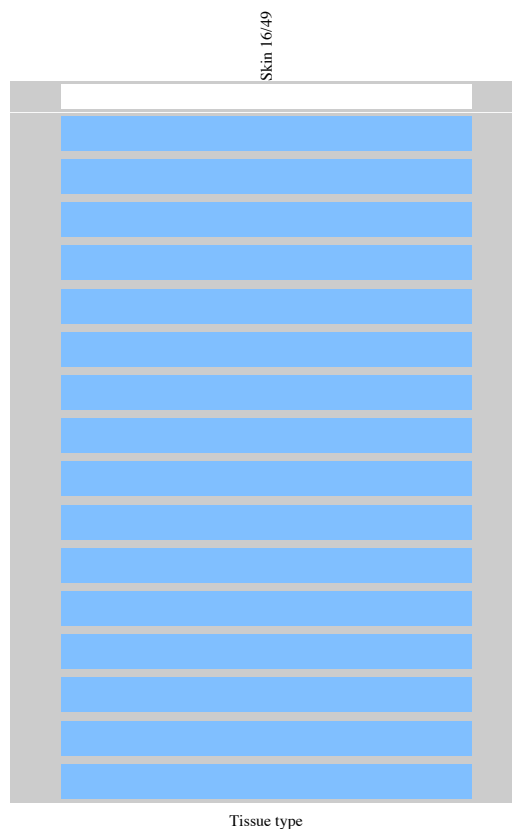
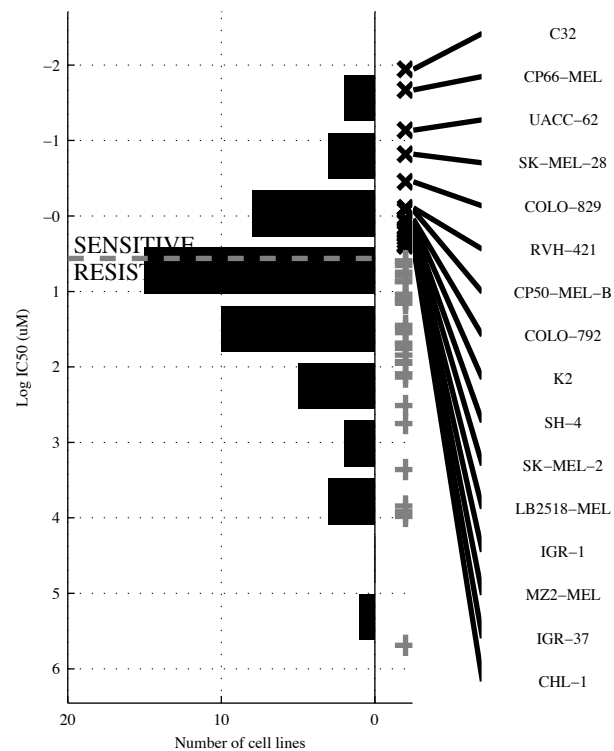
49 cell lines  
 9 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d10q23</b>	<b>¬d16p13&amp;d10q23</b>	<b>¬d16p13&amp;d10q23&amp;¬H2O2-U</b>	<b>¬d16p13&amp;d10q23&amp;¬TNFa-&amp;Wnt-DO</b>	<b>PTEN   d2q37.</b>	<b>[ PTEN &amp;TGFB-D ]   [ d2q37. &amp; ]</b>	<b>EP300   PTEN   d2q37.</b>	<b>EP300   PTEN   d2q37.  MAPK o</b>
TP   FP	4   3	4   2	4   0	4   0	5   3	5   2	6   3	7   3
Specificity	0.93	0.95	1	1	0.93	0.95	0.93	0.93
FN   TN	5   37	5   38	5   40	5   40	4   37	4   38	3   37	2   37
Precision	0.57	0.67	1	1	0.63	0.71	0.67	0.7
Recall	0.44	0.44	0.44	0.44	0.56	0.56	0.67	0.78

SKCM  
 id: 173 name: FH535  
 target: unknown class: other

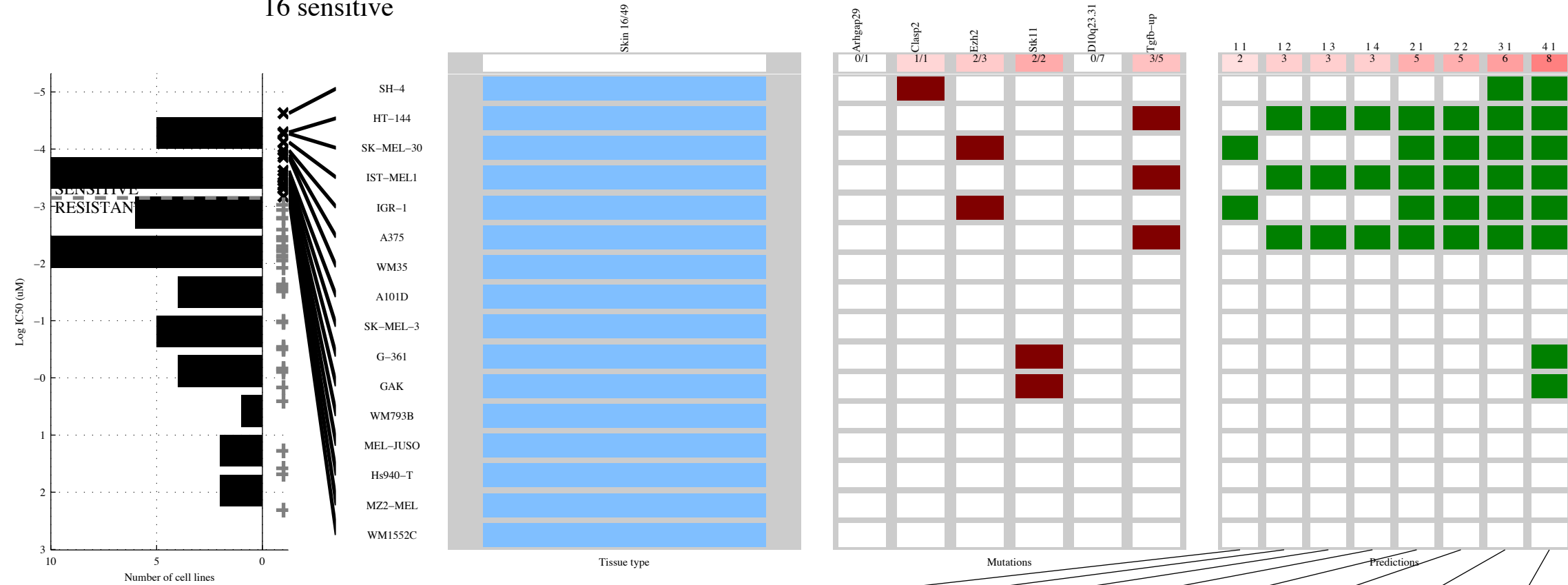
49 cell lines  
 16 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d(CASP)</b>	<b>¬ARID1B &amp; d(CASP)</b>	<b>¬ARID1B &amp; STK11 &amp; d(CASP)</b>	<b>¬ARID1B &amp; STK11 &amp; d(CASP) &amp;</b>	<b>PTEN   d(CASP)</b>	<b>[ d(BNC2 &amp; a(FOXP)   [ ¬BPTF &amp; d(CASP) ]</b>	<b>PTEN   a(NOTC   d(CASP)</b>	<b>PTEN   TAOK1   a(NOTC   d(CASP)</b>
TP   FP Specificity	4   2 0.94	4   1 0.97	4   0 1	4   0 1	6   5 0.85	6   2 0.94	7   6 0.82	8   6 0.82
FN   TN Precision	12   31 0.67	12   32 0.8	12   33 1	12   33 1	10   28 0.55	10   31 0.75	9   27 0.54	8   27 0.57
Recall	0.25	0.25	0.25	0.25	0.38	0.38	0.44	0.5

SKCM  
 id: 182 name: Obatoclox Mesylate  
 target: BCL2, BCL2L1, MCL1 class: apoptosis regulation

49 cell lines  
 16 sensitive

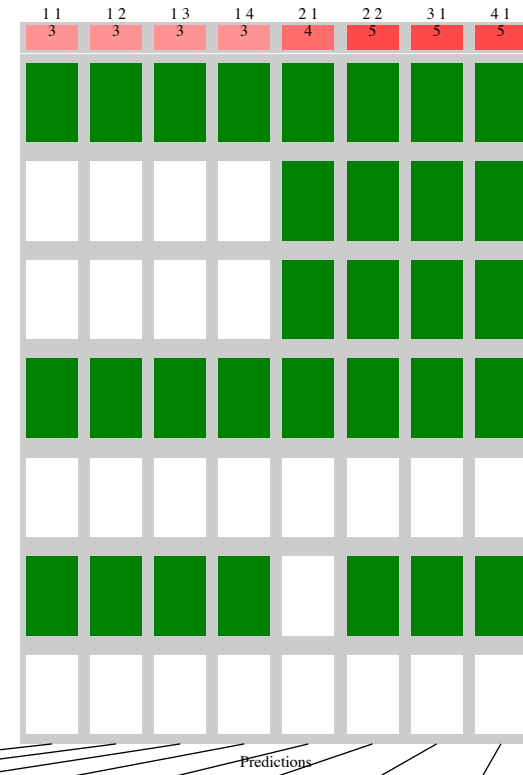
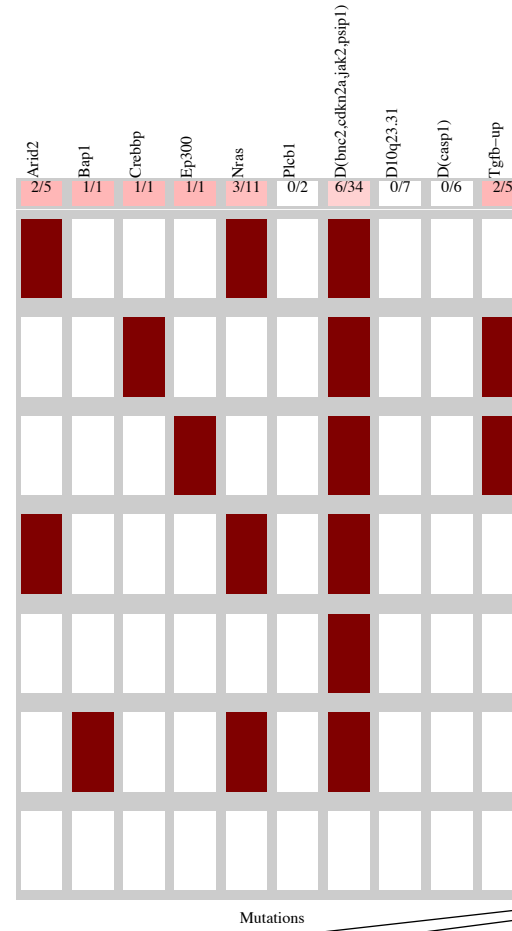
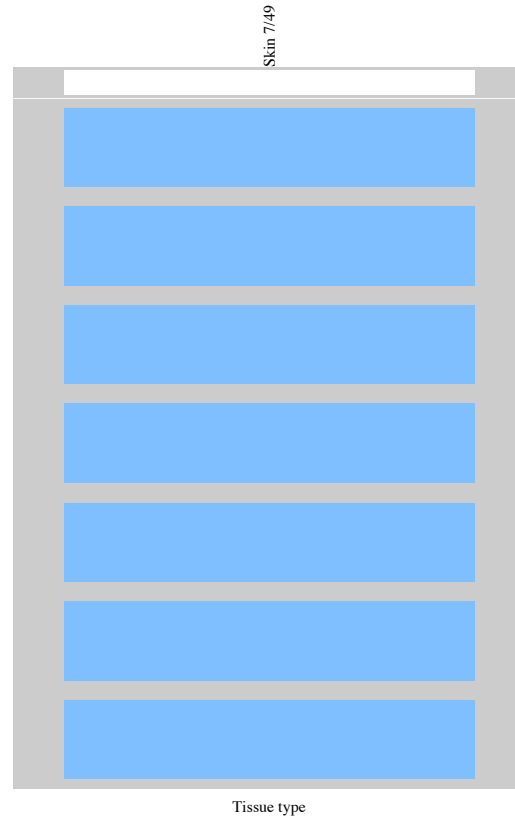
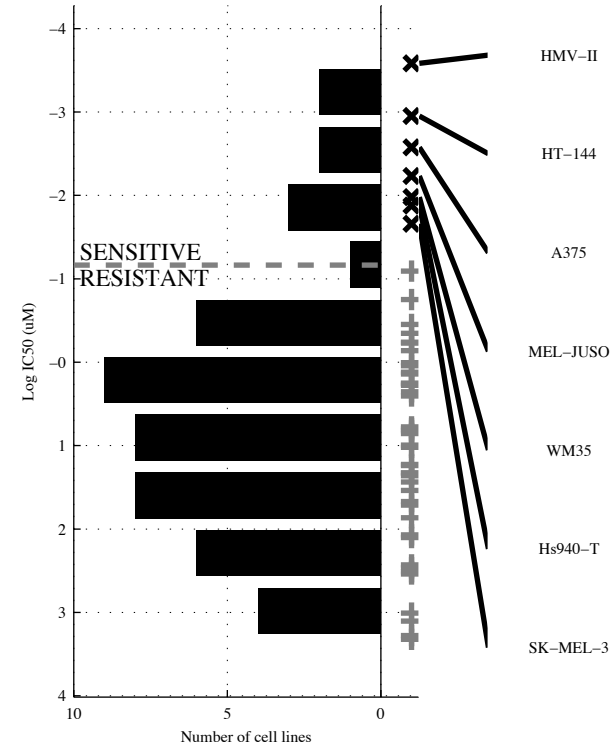


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>EZH2</b>	<b>~d10q23.31 &amp; TGFB-U</b>	<b>~d10q23.31 &amp; TGFB-U</b>	<b>~d10q23.31 &amp; TGFB-U</b>	<b>EZH2   TGFB-U</b>	<b>[ ARHGAP29 &amp; EZH2 ]   [ ~d10q23.31 &amp; TGFB-U ]</b>	<b>CLASP2   EZH2   TGFB-U</b>	<b>CLASP2   EZH2   STK11   TGFB-U</b>
TP   FP	2   1	3   0	3   0	3   0	5   3	5   0	6   3	8   3
Specificity	0.97	1	1	1	0.91	1	0.91	0.91
FN   TN	14   32	13   33	13   33	13   33	11   30	11   33	10   30	8   30
Precision	0.67	1	1	1	0.63	1	0.67	0.73
Recall	0.13	0.19	0.19	0.19	0.31	0.31	0.38	0.5



SKCM  
 id: 184 name: BMS-754807  
 target: IGF1R class: IGFR signaling

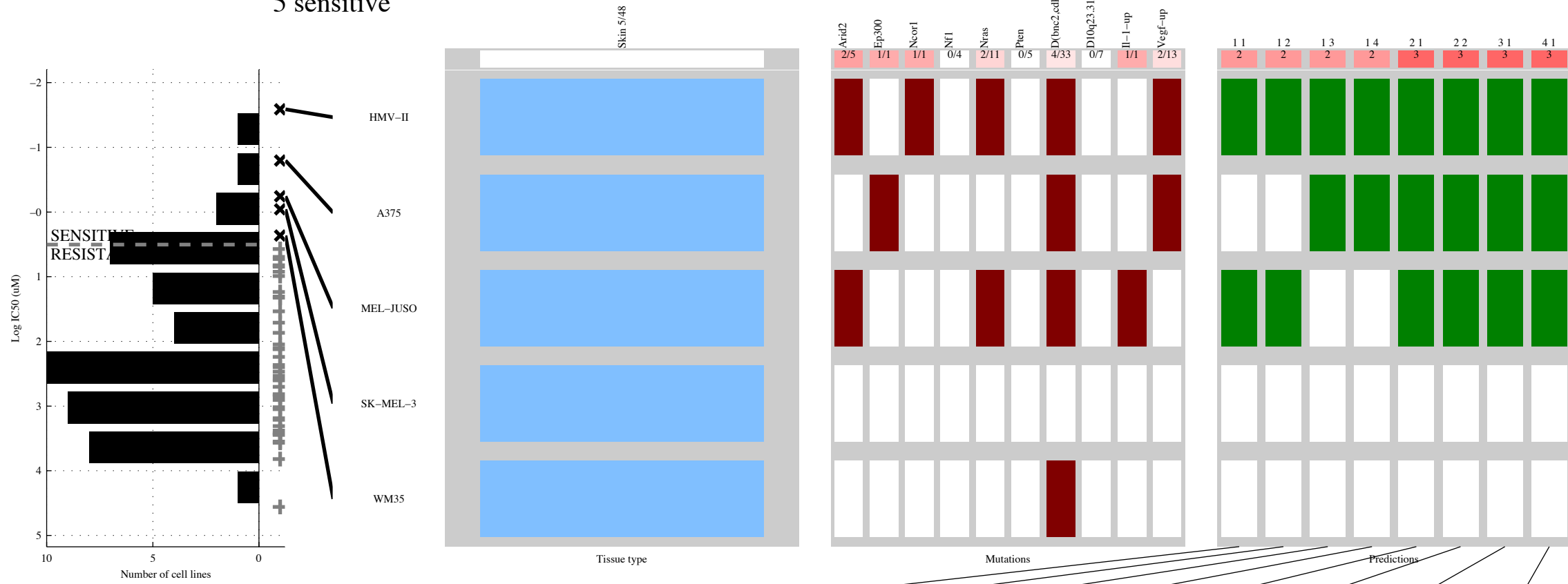
49 cell lines  
 7 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>NRAS</b>	<b>NRAS &amp; d(BNC2)</b>	<b>NRAS &amp; ~PLCB1 &amp; d(BNC2)</b>	<b>NRAS &amp; ~PLCB1 &amp; d(BNC2) &amp; d(CASP)</b>	<b>ARID2   TGFB-U</b>	<b>[~d10q23.31 &amp; TGFB-U]   [NRAS &amp; d(BNC2)]</b>	<b>CREBBP   EP300   NRAS</b>	<b>ARID2   BAP1   CREBBP   EP300</b>
TP   FP	3   8	3   4	3   3	3   1	4   6	5   5	5   8	5   3
Specificity	0.81	0.9	0.93	0.98	0.86	0.88	0.81	0.93
FN   TN	4   34	4   38	4   39	4   41	3   36	2   37	2   34	2   39
Precision	0.27	0.43	0.5	0.75	0.4	0.5	0.38	0.63
Recall	0.43	0.43	0.43	0.43	0.57	0.71	0.71	0.71

SKCM  
 id: 185 name: OSI-906  
 target: IGF1R class: IGFR signaling

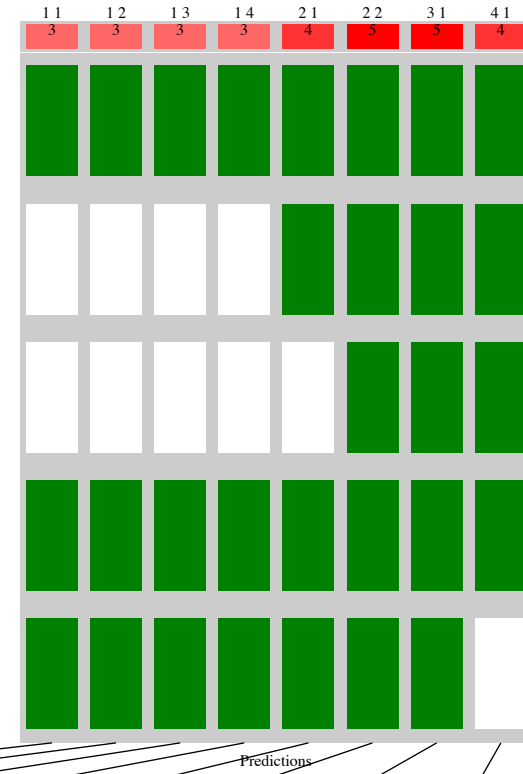
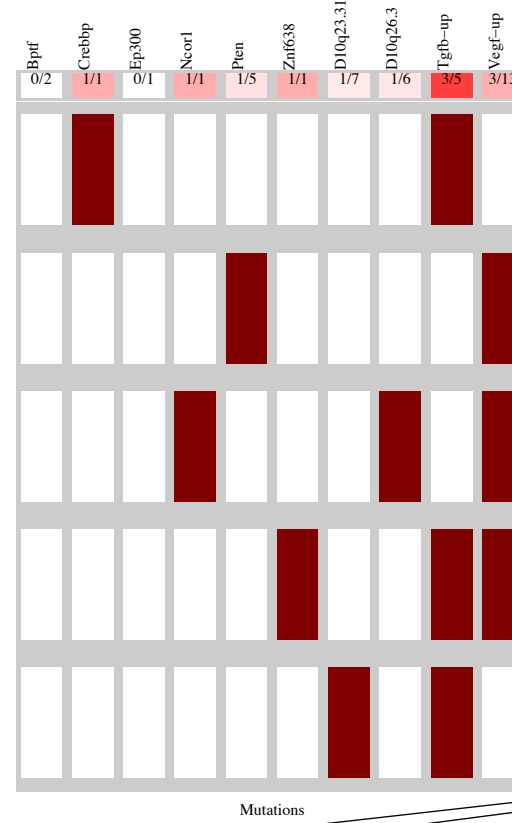
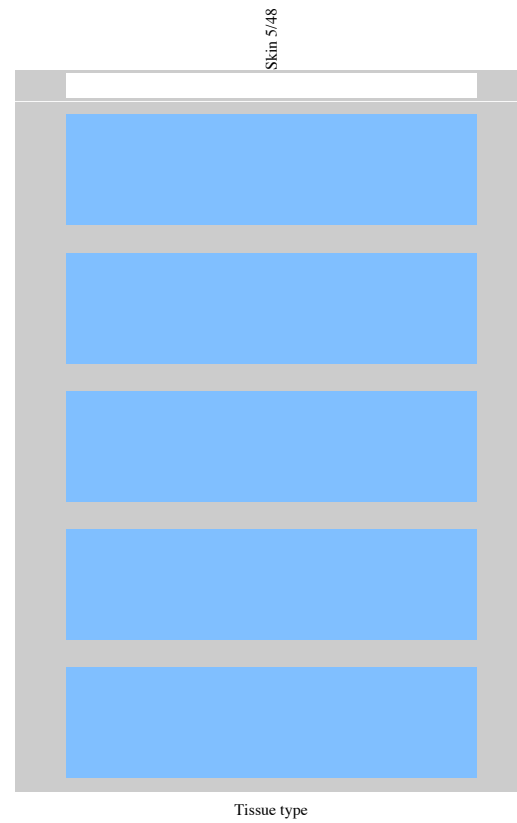
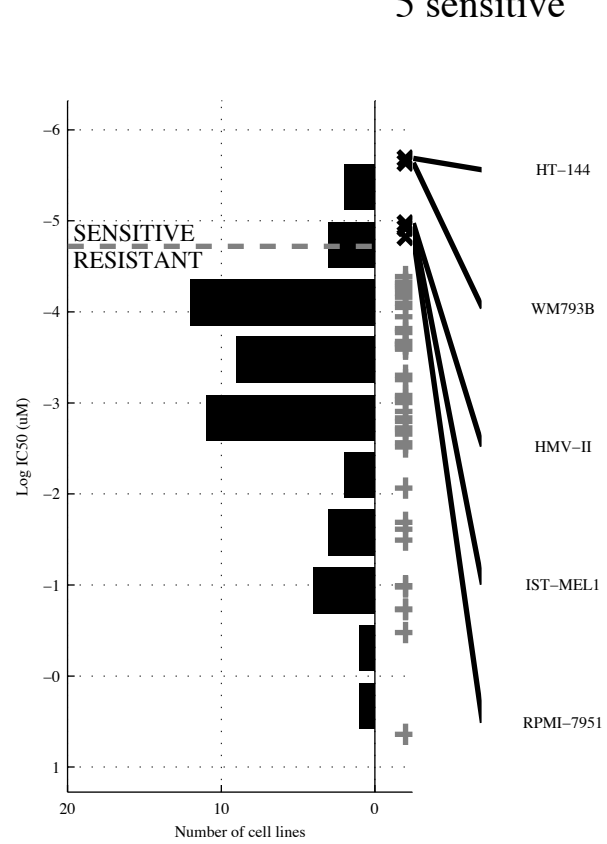
48 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>ARID2</b>	<b>ARID2 &amp; -NF1</b>	<b>-PTEN &amp; -d10q23&amp;</b> <b>VEGF-U</b>	<b>-PTEN &amp; d(BNC2 &amp;</b> <b>-d10q23 &amp; VEGF-U</b>	<b>ARID2   EP300</b>	[ <b>EP300 &amp;</b> ]   [ <b>ARID2 &amp; NRAS</b> ]	<b>EP300   NCOR1  </b> <b>IL-1-U</b>	<b>EP300   NCOR1  </b> <b>IL-1-U  </b>
TP   FP Specificity FN   TN Precision Recall	$\frac{2}{3} \mid \frac{3}{40}$ 0.93 0.4 0.4	$\frac{2}{3} \mid \frac{1}{42}$ 0.98 0.67 0.4	$\frac{2}{3} \mid \frac{5}{38}$ 0.88 0.29 0.4	$\frac{2}{3} \mid \frac{3}{40}$ 0.93 0.4 0.4	$\frac{3}{2} \mid \frac{3}{40}$ 0.93 0.5 0.6	$\frac{3}{2} \mid \frac{1}{42}$ 0.98 0.75 0.6	$\frac{3}{2} \mid \frac{0}{43}$ 1 1 0.6	$\frac{3}{2} \mid \frac{0}{43}$ 1 1 0.6

SKCM  
 id: 194 name: AUY922  
 target: HSP90 class: other

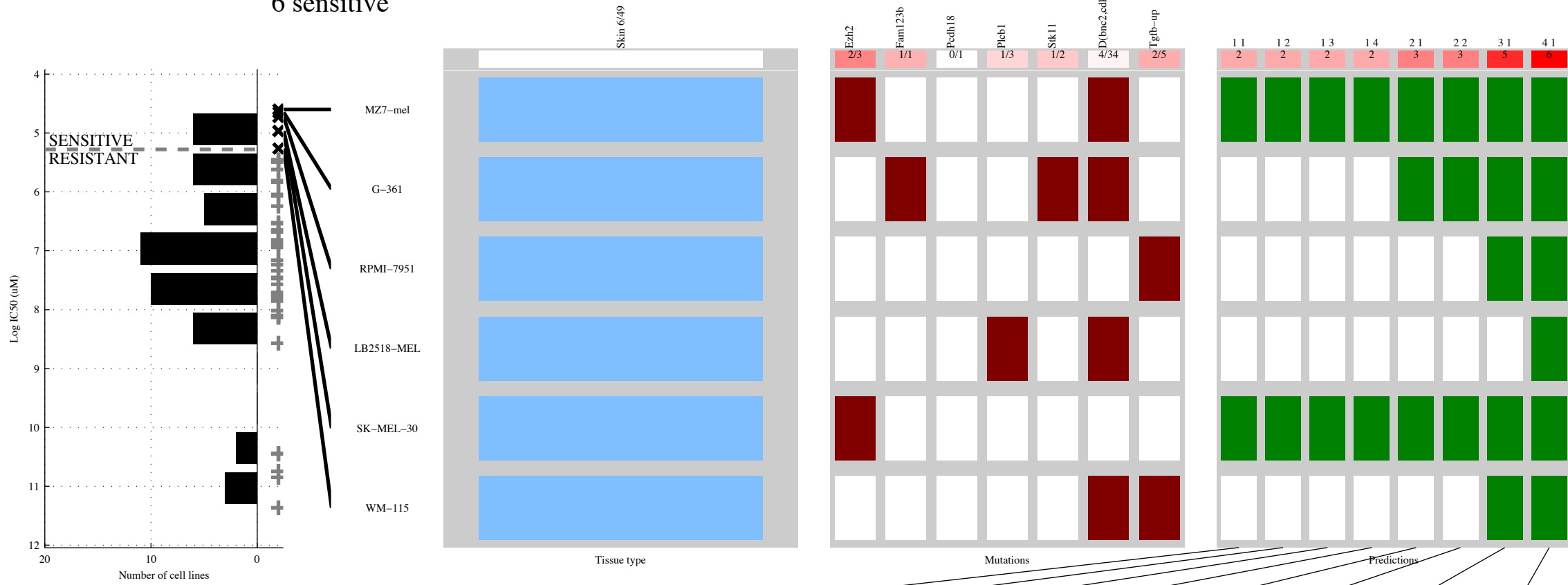
48 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>TGFB-U</b>	<b>-d10q26&amp;TGFB-U</b>	<b>-BPTF &amp; -EP300 &amp; TGFB-U</b>	<b>-BPTF &amp; -EP300 &amp; TGFB-U &amp;</b>	<b>PTEN   TGFB-U</b>	<b>[ -BPTF &amp; TGFB-U ]   [ -d10q23 &amp; EGF-U ]</b>	<b>NCOR1   PTEN   TGFB-U</b>	<b>CREBBP   NCOR1   PTEN   ZNF638</b>
TP   FP	3   2	3   1	3   0	3   0	4   6	5   7	5   6	4   4
Specificity	0.95	0.98	1	1	0.86	0.84	0.86	0.91
FN   TN	2   41	2   42	2   43	2   43	1   37	0   36	0   37	1   39
Precision	0.6	0.75	1	1	0.4	0.42	0.45	0.5
Recall	0.6	0.6	0.6	0.6	0.8	1	1	0.8

SKCM  
 id: 196 name: Phenformin  
 target: AAPK1 (AMPK) agonist class: metabolism

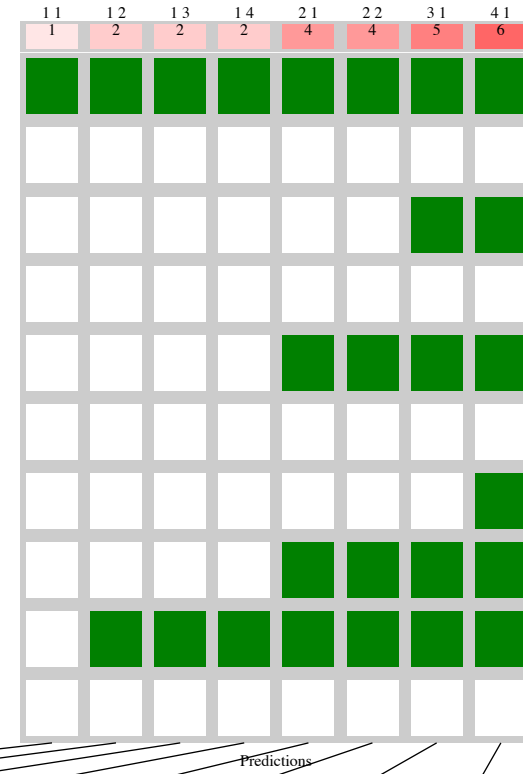
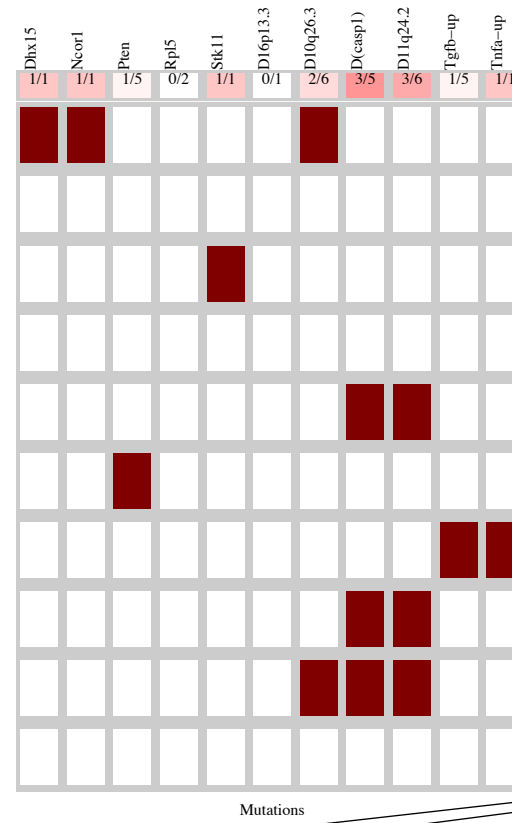
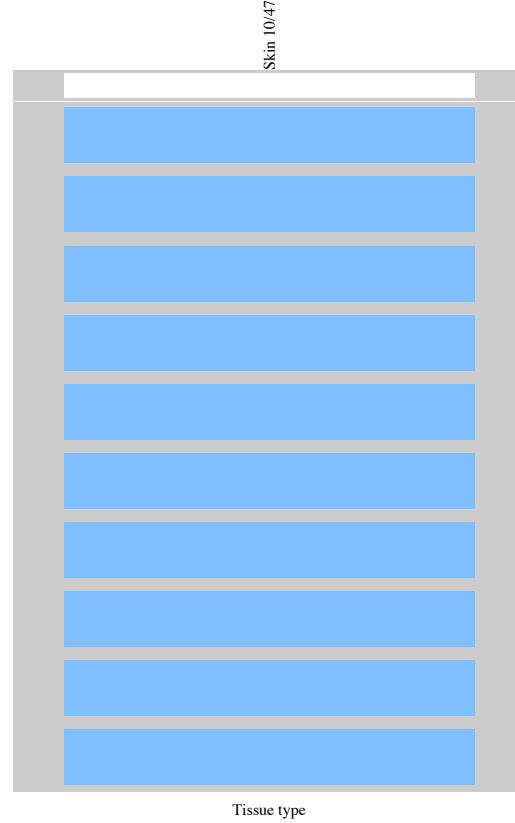
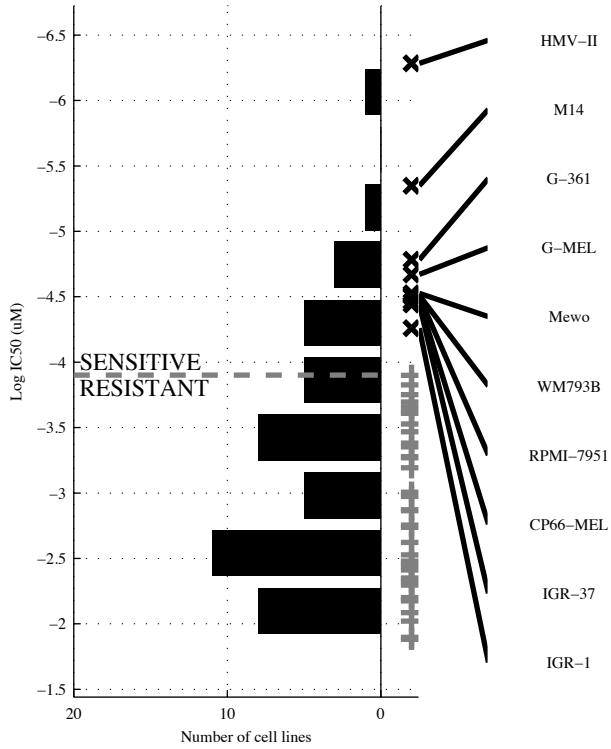
49 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>EZH2</b>	<b>EZH2 &amp;PCDH18</b>	<b>EZH2 &amp;PCDH1&amp;</b>	<b>EZH2 &amp;PCDH1&amp;</b>	<b>EZH2  FAM123</b>	[ <b>STK11</b> &d(BNC2) ]   [ <b>EZH2 &amp;PCDH1&amp;</b> ]	<b>EZH2  FAM123 </b>  <b>TGFB-U</b>	<b>EZH2  FAM123 </b>  <b>PLCB1  TGFB-U</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{2}{4} \mid \frac{1}{42}$ 0.98 0.67 0.33	$\frac{2}{4} \mid \frac{0}{43}$ 1 1 0.33	$\frac{2}{4} \mid \frac{0}{43}$ 1 1 0.33	$\frac{2}{4} \mid \frac{0}{43}$ 1 1 0.33	$\frac{3}{3} \mid \frac{1}{42}$ 0.98 0.75 0.5	$\frac{3}{3} \mid \frac{0}{43}$ 1 1 0.5	$\frac{5}{1} \mid \frac{4}{39}$ 0.91 0.56 0.83	$\frac{6}{0} \mid \frac{6}{37}$ 0.86 0.5 1

SKCM  
 id: 197 name: Bryostatin 1  
 target: PRKC class: other

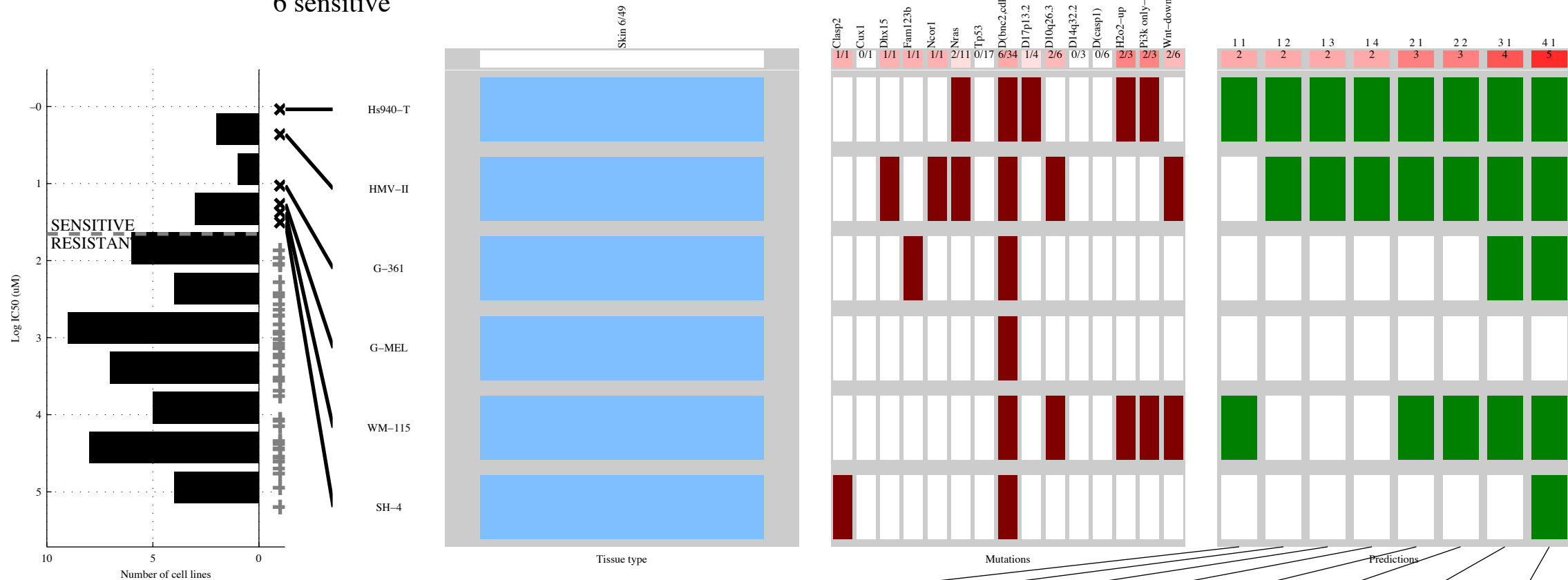
47 cell lines  
 10 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>NCOR1</b>	<b>-PTEN &amp; d10q26</b>	<b>-PTEN &amp; -d16p13 &amp; d10q26</b>	<b>-PTEN &amp; -RPL5 &amp; d10q26 &amp; TGFB-U</b>	<b>NCOR1   d(CASP)</b>	<b>[ DHX15 &amp; -PTEN ]   [ d(CASP &amp; d11q24) ]</b>	<b>NCOR1   STK11   d(CASP)</b>	<b>NCOR1   STK11   d(CASP   TNFa-U)</b>
TP   FP Specificity	1   0 1	2   2 0.95	2   1 0.97	2   0 1	4   2 0.95	4   1 0.97	5   2 0.95	6   2 0.95
FN   TN Precision	9   37 1	8   35 0.5	8   36 0.67	8   37 1	6   35 0.67	6   36 0.8	5   35 0.71	4   35 0.75
Recall	0.1	0.2	0.2	0.2	0.4	0.4	0.5	0.6

SKCM  
 id: 199 name: Pazopanib  
 target: VEGFR, PDGFRA, PDGFRB, KIT class: RTK signaling

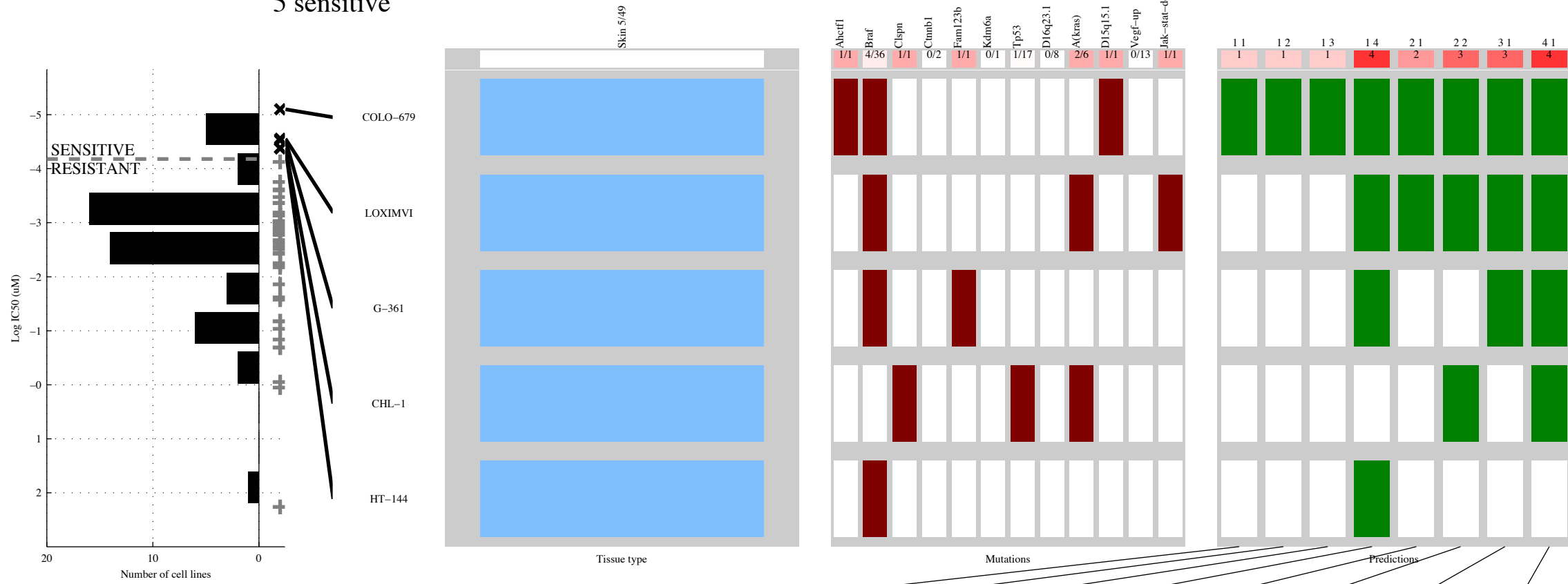
49 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>H2O2-U</b>	<b>NRAS &amp; -TP53</b>	<b>-CUX1 &amp; NRAS &amp; -TP53</b>	<b>NRAS &amp; d(BNC2&amp; d14q32&amp; d(CASP</b>	<b>DHX15   H2O2-U</b>	<b>[ d10q26 &amp; Wnt-DO ]   [ d17p13 &amp; d(CASP ]</b>	<b>DHX15   FAM123   PI3K o</b>	<b>CLASP2   FAM123   NCOR1   PI3K o</b>
TP   FP Specificity	2   1 0.98	2   6 0.86	2   5 0.88	2   2 0.95	3   1 0.98	3   0 1	4   1 0.98	5   1 0.98
FN   TN Precision	4   42 0.67	4   37 0.25	4   38 0.29	4   41 0.5	3   42 0.75	3   43 1	2   42 0.8	1   42 0.83
Recall	0.33	0.33	0.33	0.33	0.5	0.5	0.67	0.83

SKCM  
 id: 200 name: LAQ824  
 target: HDAC class: chromain histone acetylation

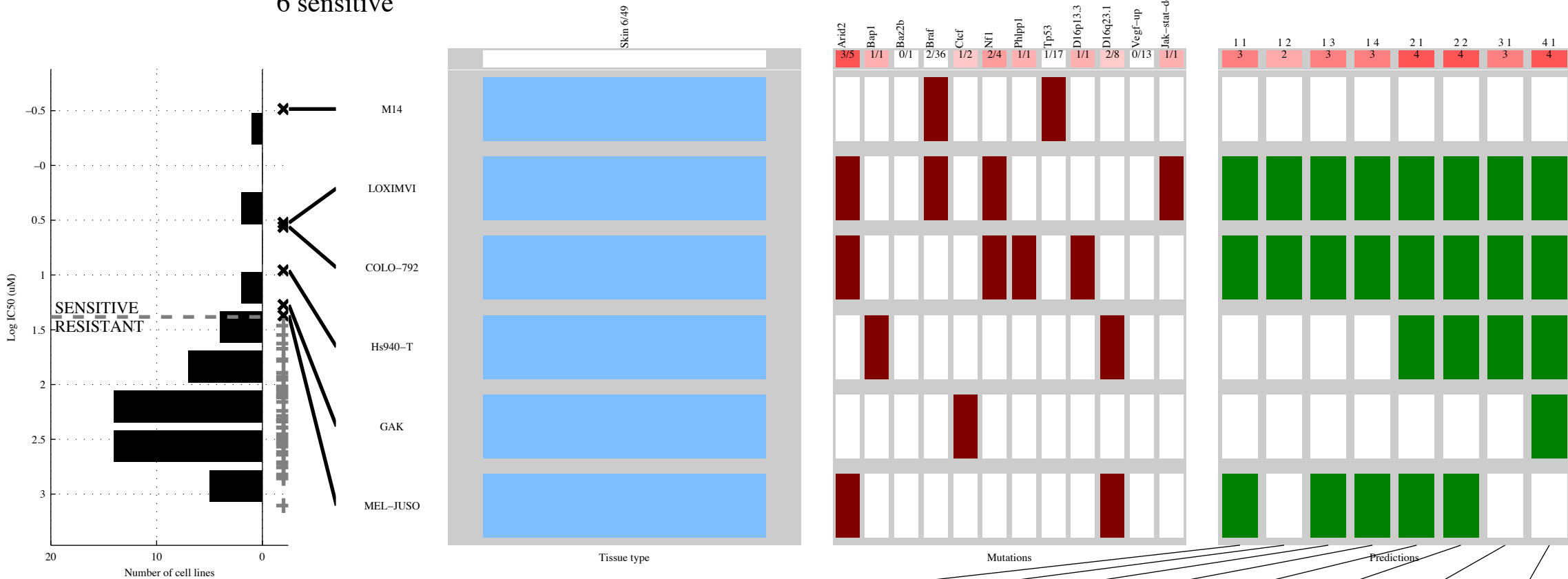
49 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	AHCTF1	AHCTF &	AHCTF & &	BRAF & -TP53 & -d16q23 & VEGF-U	d15q15   JAK-ST	[AHCTF & KDM6A]   [CTNNB3 & KRAS]	FAM123   d15q15   JAK-ST	CLSPN   FAM123   d15q15   JAK-ST
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{4} \mid \frac{0}{44}$ 1 0.2	$\frac{1}{4} \mid \frac{0}{44}$ 1 0.2	$\frac{1}{4} \mid \frac{0}{44}$ 1 0.2	$\frac{4}{1} \mid \frac{8}{36}$ 0.82 0.33 0.8	$\frac{2}{3} \mid \frac{0}{44}$ 1 0.4	$\frac{3}{2} \mid \frac{3}{41}$ 0.93 0.5 0.6	$\frac{3}{2} \mid \frac{0}{44}$ 1 0.6	$\frac{4}{1} \mid \frac{0}{44}$ 1 0.8

SKCM  
 id: 202 name: GSK-1904529A  
 target: IGF1R class: IGFR signaling

49 cell lines  
 6 sensitive

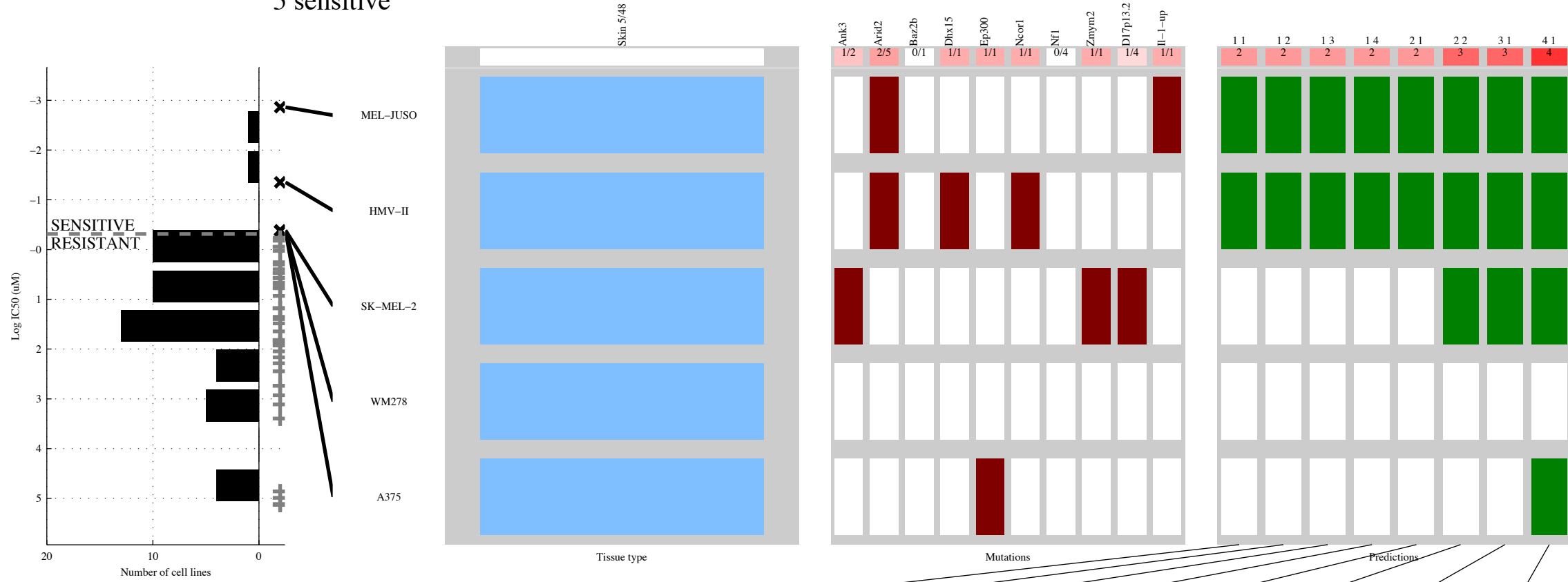


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>ARID2</b>	<b>ARID2 &amp; NF1</b>	<b>ARID2 &amp; ~BAZ2B</b> <b>~VEGF-U</b>	<b>ARID2 &amp; ~BAZ2B</b> <b>~VEGF-&amp;</b>	<b>ARID2   BAP1</b>	<b>[ ~BRAFF &amp; d16q23 ]</b> <b> </b> <b>[ NF1 &amp; ~TP53 ]</b>	<b>BAP1   d16p13  </b> <b>JAK-ST</b>	<b>BAP1   CTCF  </b> <b>PHLPP1 JAK-ST</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{3}{3} \mid \frac{2}{41}$ 0.95 0.6 0.5	$\frac{2}{4} \mid \frac{0}{43}$ 1 1 0.33	$\frac{3}{3} \mid \frac{0}{43}$ 1 1 0.5	$\frac{3}{3} \mid \frac{0}{43}$ 1 1 0.5	$\frac{4}{2} \mid \frac{2}{41}$ 0.95 0.67 0.67	$\frac{4}{2} \mid \frac{0}{43}$ 1 1 0.67	$\frac{3}{3} \mid \frac{0}{43}$ 1 1 0.5	$\frac{4}{2} \mid \frac{1}{42}$ 0.98 0.8 0.67



SKCM  
 id: 204 name: Tipifarnib  
 target: Farnesyl-transferase (FNTA) class: other

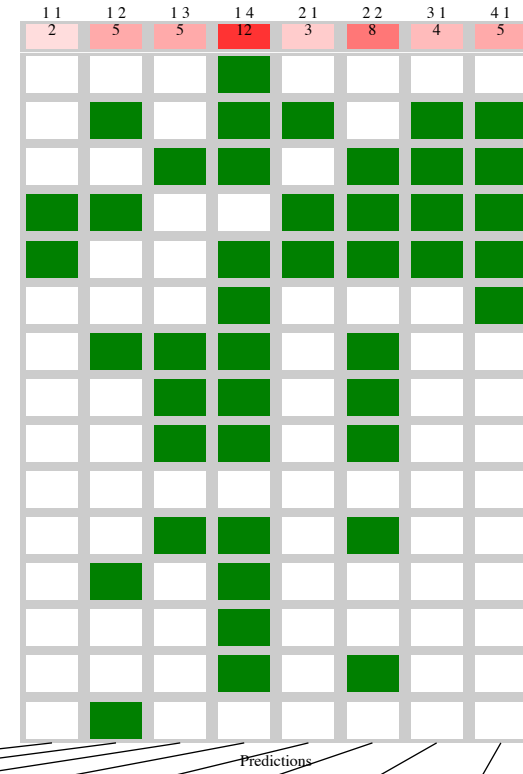
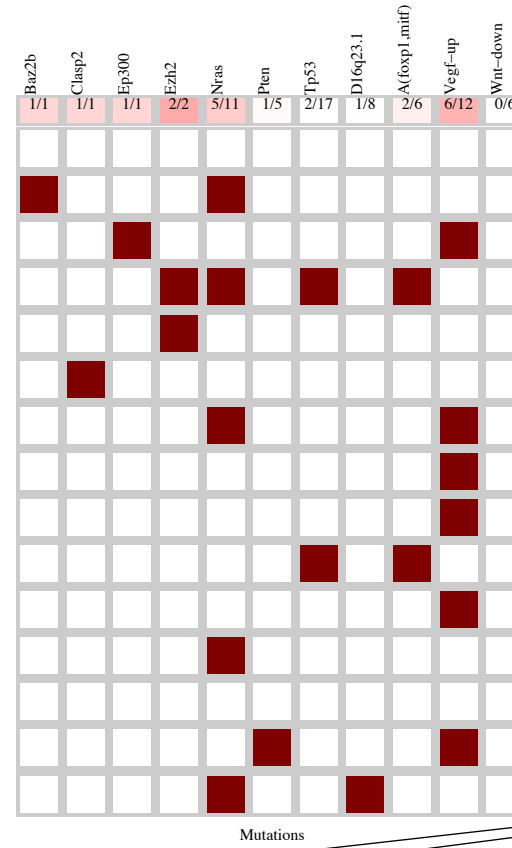
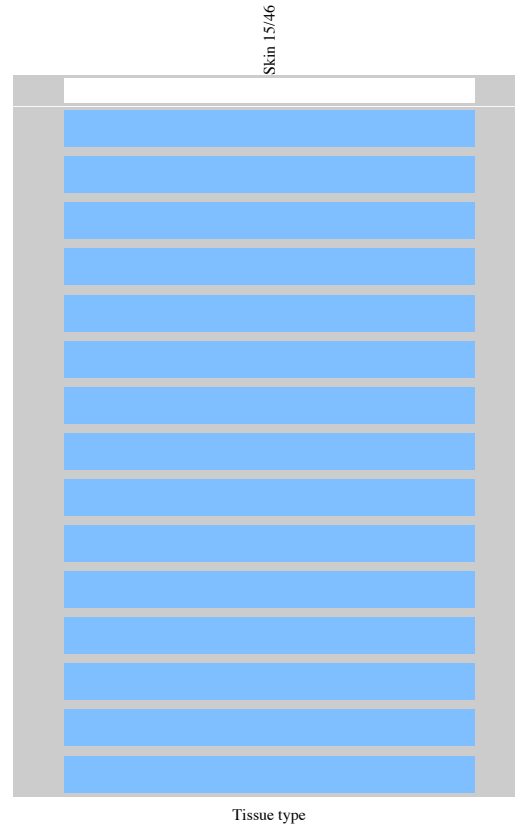
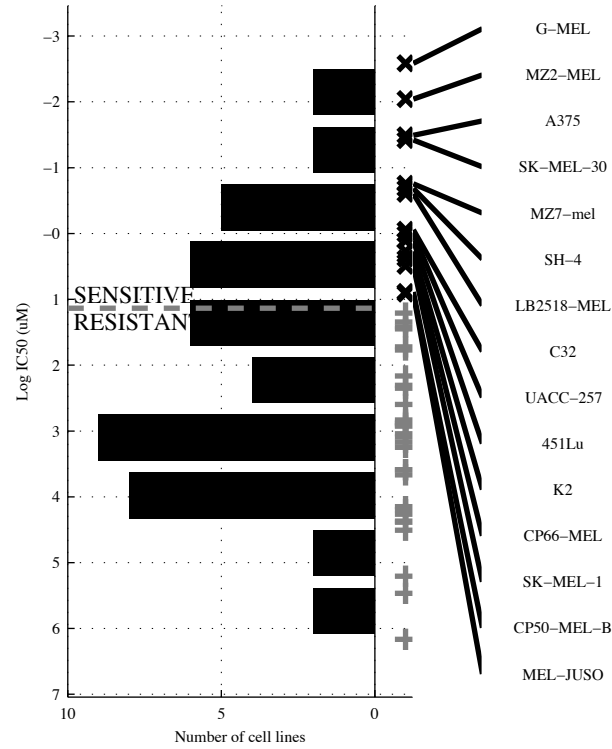
48 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>ARID2</b>	<b>ARID2 &amp; -NF1</b>	<b>ARID2 &amp; -BAZ2B &amp; -NF1</b>	<b>ARID2 &amp; -BAZ2B &amp; -NF1 &amp;</b>	<b>DHX15   IL-1-U</b>	<b>[ ANK3 &amp; d17p13 ]   [ ARID2 &amp; -NF1 ]</b>	<b>NCOR1   ZMYM2   IL-1-U</b>	<b>DHX15   EP300   ZMYM2   IL-1-U</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{2}{3} \mid \frac{3}{40}$ 0.93 0.4 0.4	$\frac{2}{3} \mid \frac{1}{42}$ 0.98 0.67 0.4	$\frac{2}{3} \mid \frac{0}{43}$ 1 1 0.4	$\frac{2}{3} \mid \frac{0}{43}$ 1 1 0.4	$\frac{2}{3} \mid \frac{0}{43}$ 1 1 0.4	$\frac{3}{2} \mid \frac{1}{42}$ 0.98 0.75 0.6	$\frac{3}{2} \mid \frac{0}{43}$ 1 1 0.6	$\frac{4}{1} \mid \frac{0}{43}$ 1 1 0.8

SKCM  
 id: 224 name: AS605240  
 target: PI3Kgamma class: PI3K signaling

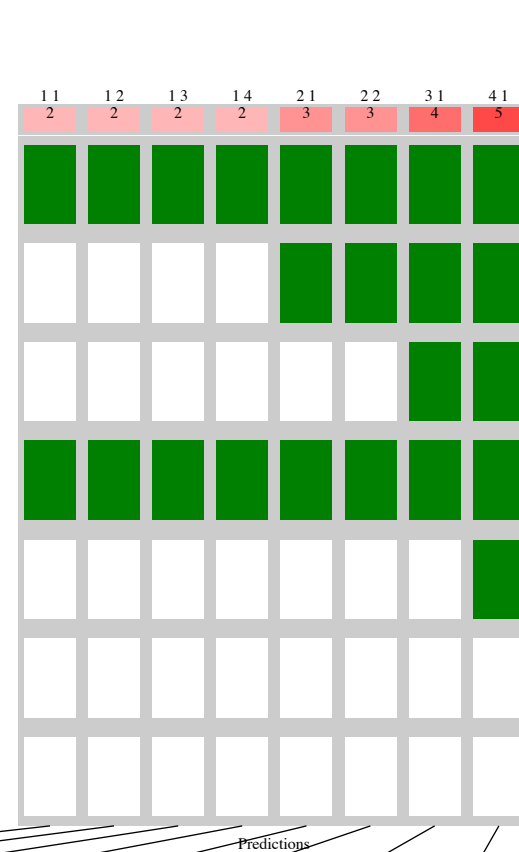
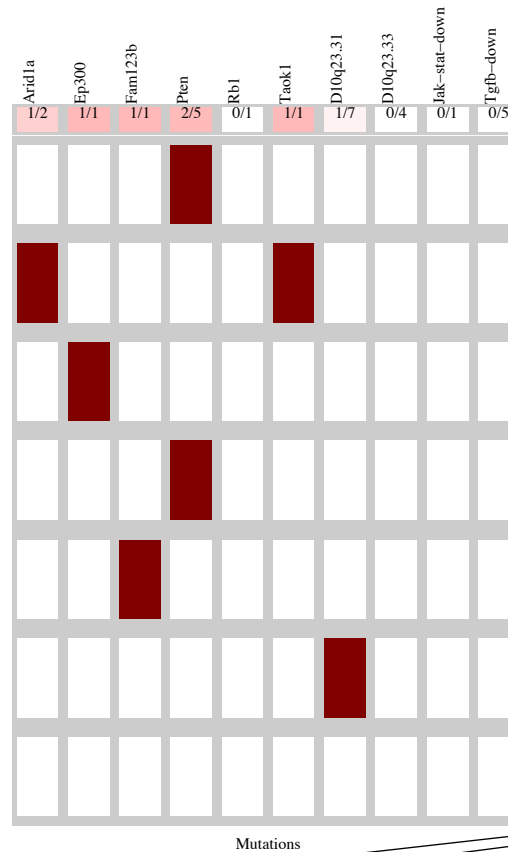
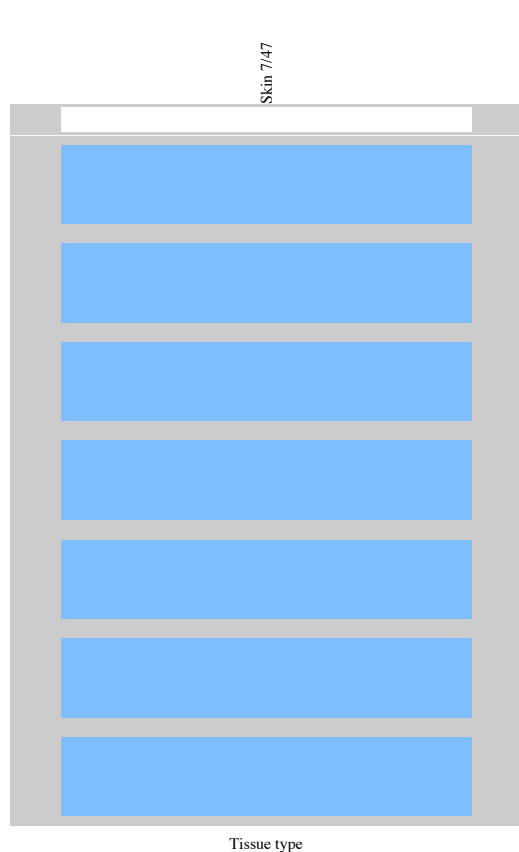
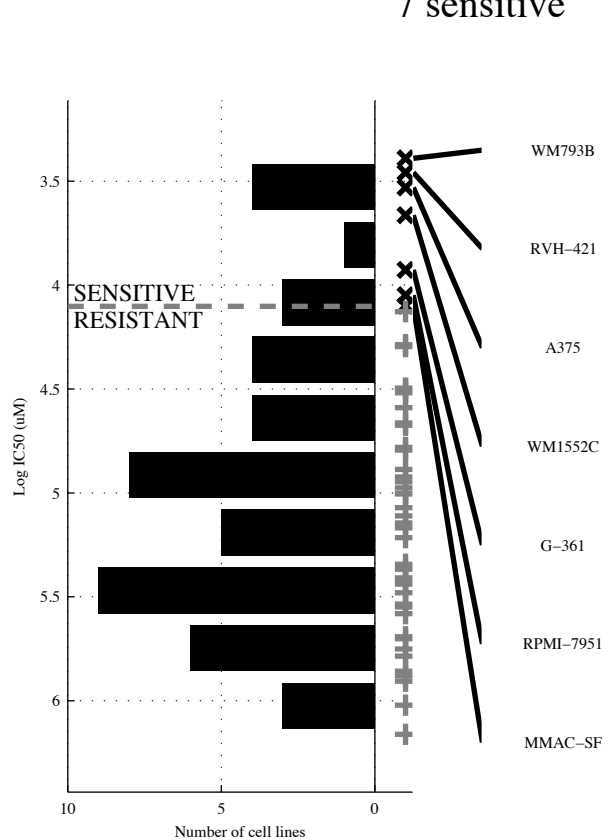
46 cell lines  
 15 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>EZH2</b>		<b>NRAS &amp; Wnt-DO</b>		<b>¬PTEN &amp; VEGF-∩ &amp; ¬Wnt-DO</b>		<b>¬TP53 &amp; ¬d16q23 &amp; ¬a(FOX) &amp; Wnt-DO</b>		<b>BAZ2B   EZH2</b>		<b>[VEGF-∩ &amp; Wnt-DO]   [EZH2 &amp; ]</b>		<b>BAZ2B   EP300   EZH2</b>		<b>BAZ2B   CLASP2   EP300   EZH2</b>	
TP   FP	2   0	1	5   4	0.87	5   1	0.97	12   6	0.81	3   0	1	8   3	0.9	4   0	1	5   0	1
FN   TN	13   31	1	10   27	0.56	10   30	0.83	3   25	0.67	12   31	1	7   28	0.73	11   31	1	10   31	1
Specificity																
Precision																
Recall		0.13		0.33		0.33		0.8		0.2		0.53		0.27		0.33

SKCM  
 id: 231 name: FMK  
 target: RSK class: ERK MAPK signaling

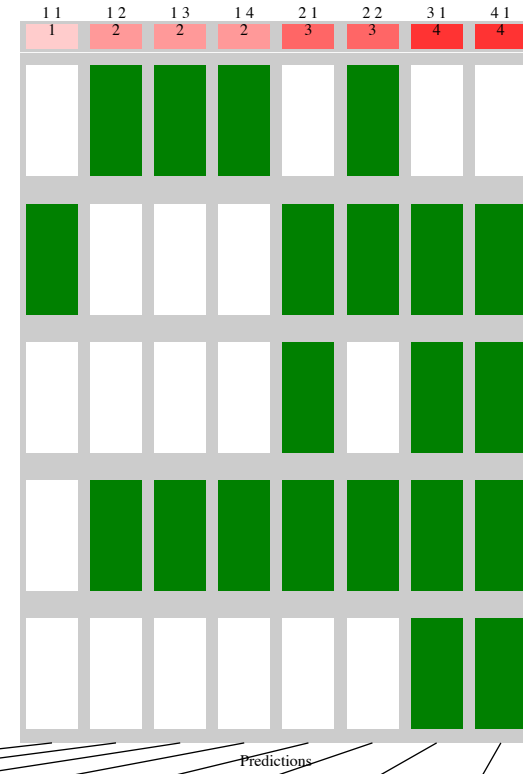
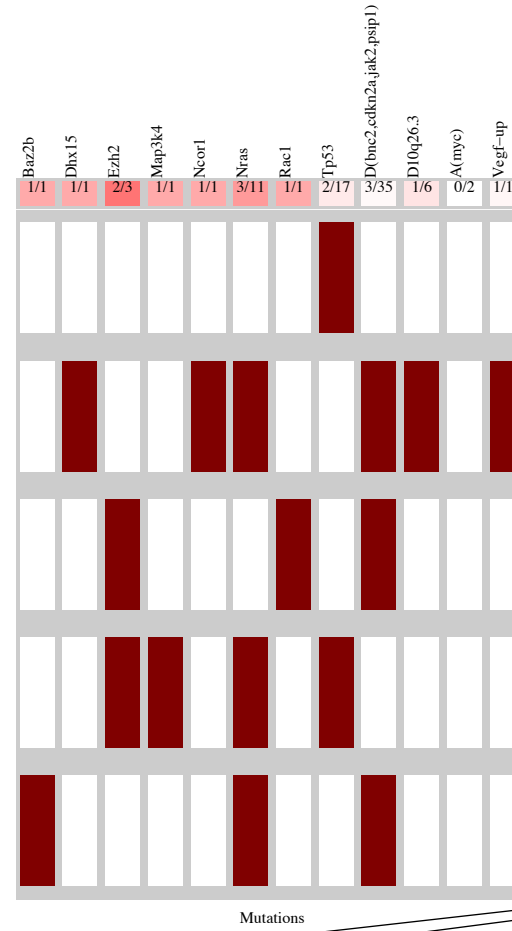
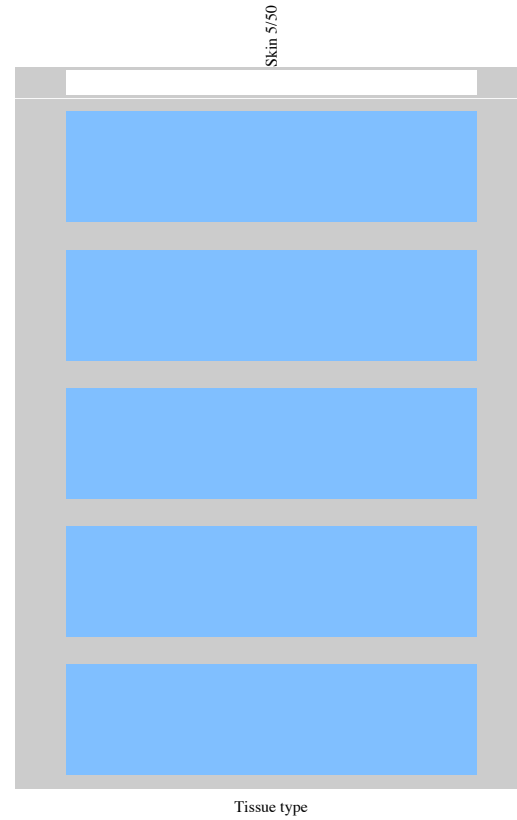
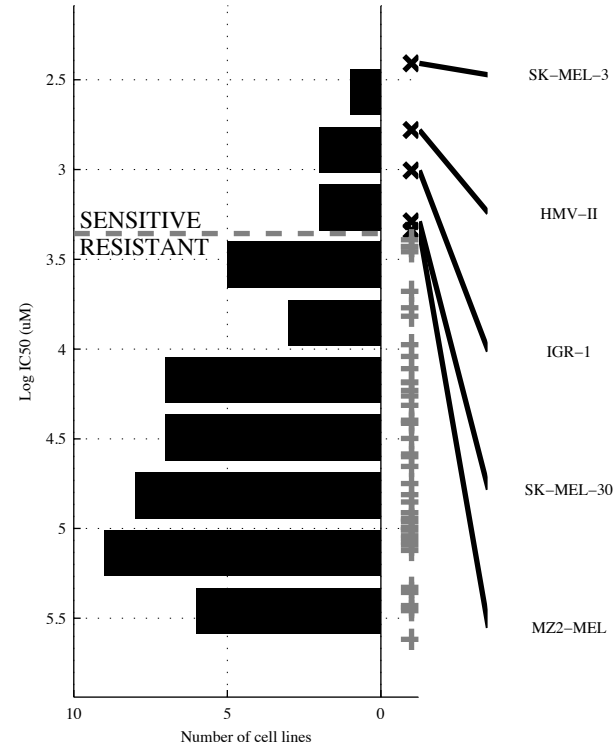
47 cell lines  
 7 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>PTEN</b>	<b>PTEN &amp; ¬d10q23</b>	<b>PTEN &amp; ¬d10q23 &amp; ¬TGFB-D</b>	<b>PTEN &amp; ¬RB1 &amp; ¬d10q23 &amp; TGFB-D</b>	<b>PTEN   TAOK1</b>	<b>[ARID1A &amp; JAK-ST]   [PTEN &amp; ¬d10q23]</b>	<b>EP300   PTEN   TAOK1</b>	<b>EP300   FAM123   PTEN   TAOK1</b>
TP   FP Specificity	2   3 0.93	2   2 0.95	2   1 0.97	2   0 1	3   3 0.93	3   2 0.95	4   3 0.93	5   3 0.93
FN   TN Precision	5   37 0.4	5   38 0.5	5   39 0.67	5   40 1	4   37 0.5	4   38 0.6	3   37 0.57	2   37 0.63
Recall	0.29	0.29	0.29	0.29	0.43	0.43	0.57	0.71

SKCM  
 id: 253 name: XMD14-99  
 target: EPHB3, CAMK1 class: RTK signaling

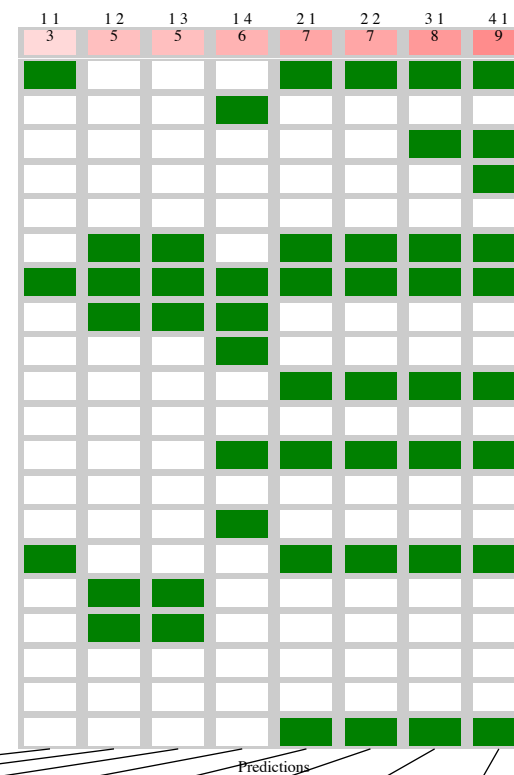
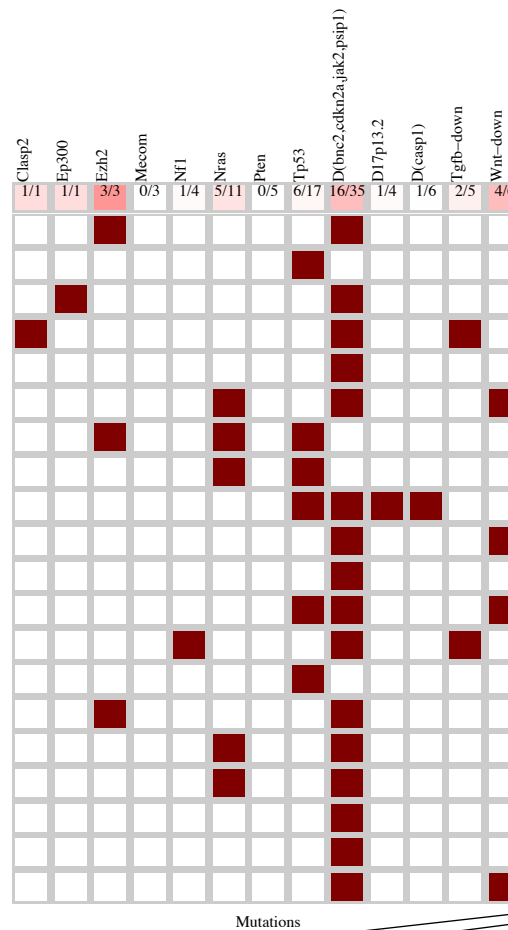
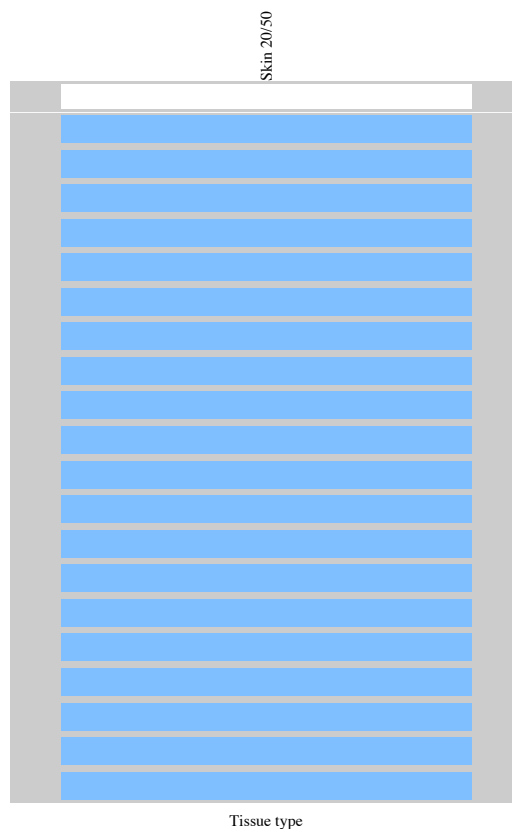
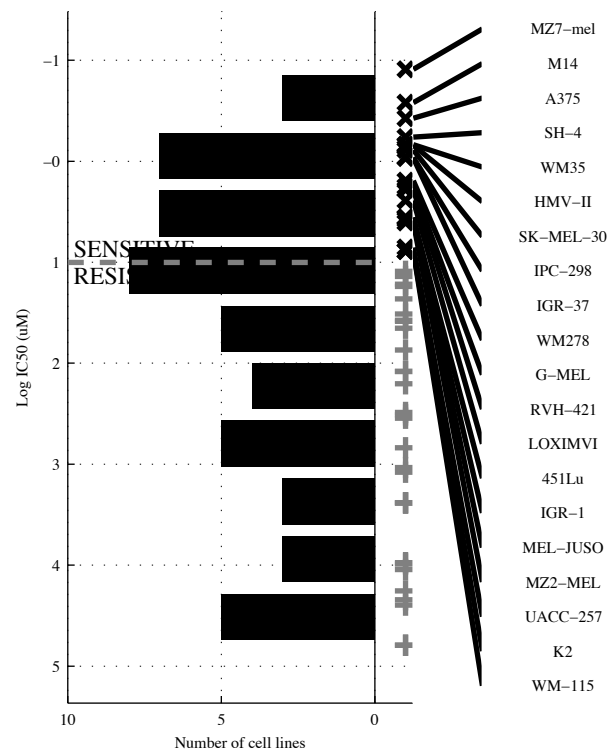
50 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>NCOR1</b>	<b>TP53 &amp;d(BNC2)</b>	<b>TP53 &amp;d(BNC2)</b> <b>-VEGF-U</b>	<b>TP53 &amp;d(BNC2)</b> <b>-a(MYC&amp;VEGF-U</b>	<b>DHX15   EZH2</b>	<b>[ TP53 &amp;d(BNC2)  </b> <b>[ NRAS &amp;d10q26 ]</b>	<b>BAZ2B   EZH2  </b> <b>NCOR1</b>	<b>BAZ2B   MAP3K4  </b> <b>NCOR1   RAC1</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{4} \mid \frac{0}{45}$ 1 0.2	$\frac{2}{3} \mid \frac{9}{36}$ 0.8 0.18 0.4	$\frac{2}{3} \mid \frac{6}{39}$ 0.87 0.25 0.4	$\frac{2}{3} \mid \frac{4}{41}$ 0.91 0.33 0.4	$\frac{3}{2} \mid \frac{1}{44}$ 0.98 0.75 0.6	$\frac{3}{2} \mid \frac{9}{36}$ 0.8 0.25 0.6	$\frac{4}{1} \mid \frac{1}{44}$ 0.98 0.8 0.8	$\frac{4}{1} \mid \frac{0}{45}$ 1 1 0.8

SKCM  
 id: 262 name: VX-11e  
 target: ERK class: ERK MAPK signaling

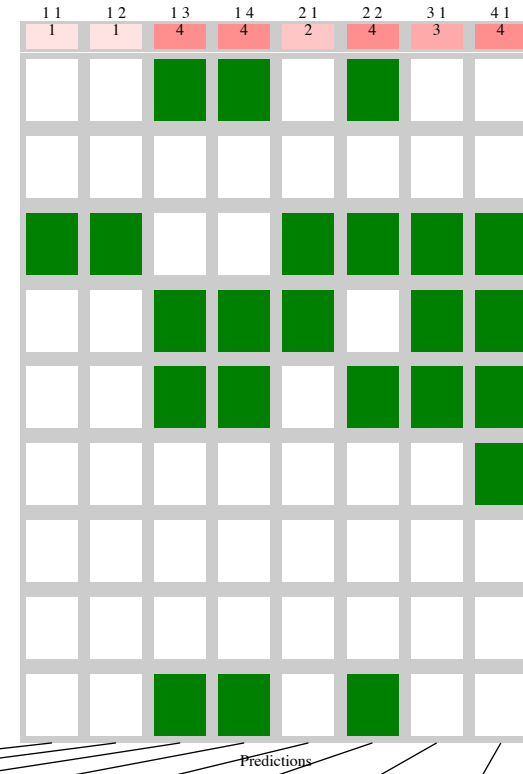
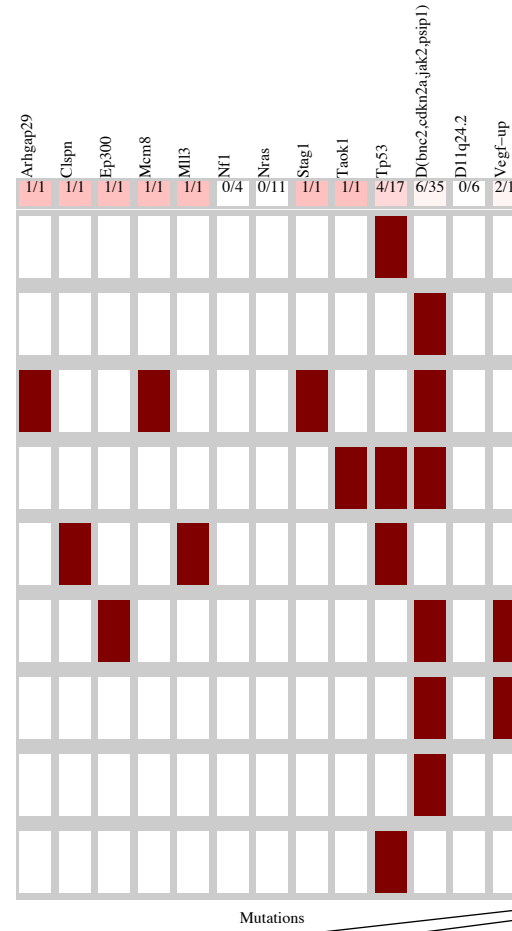
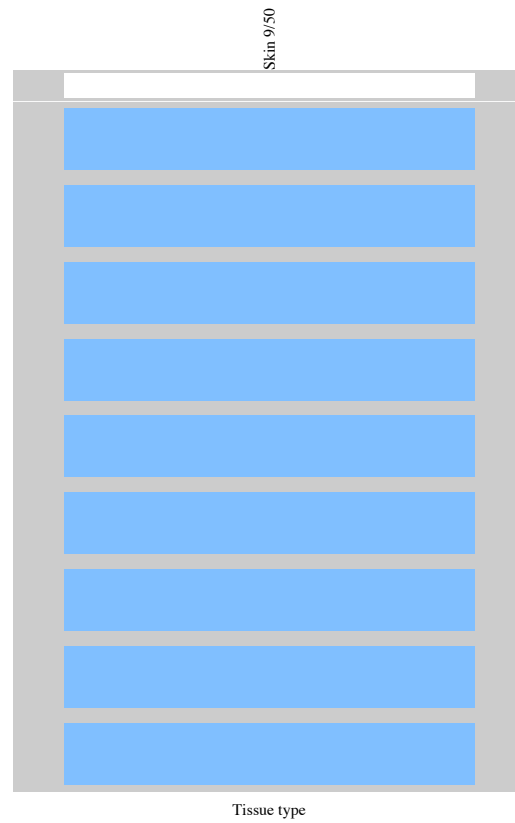
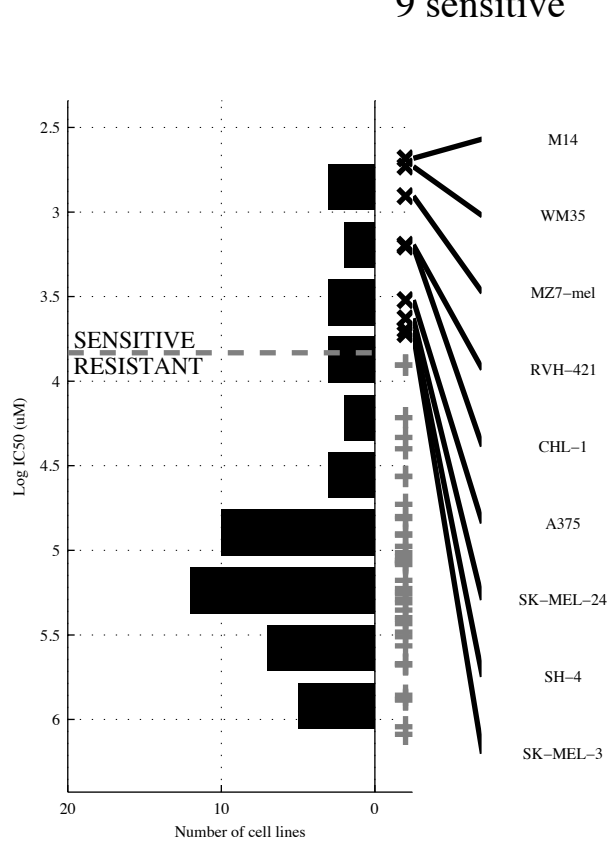
50 cell lines  
 20 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>EZH2</b>	<b>NRAS &amp; ~d17p13</b>	<b>NRAS &amp; ~d17p13 &amp; ~d(CASP</b>	<b>~MECOM &amp; ~NF1 &amp; ~PTEN &amp; TP53</b>	<b>EZH2   Wnt-DO</b>	<b>[ EZH2 &amp; TGFB-D ]   [ d(BNC2 &amp; Wnt-DO) ]</b>	<b>EP300   EZH2   Wnt-DO</b>	<b>CLASP2   EP300   EZH2   Wnt-DO</b>
TP   FP Specificity	3   0 1	5   3 0.9	5   2 0.93	6   5 0.83	7   2 0.93	7   0 1	8   2 0.93	9   2 0.93
FN   TN Precision	17   30 1	15   27 0.63	15   28 0.71	14   25 0.55	13   28 0.78	13   30 1	12   28 0.8	11   28 0.82
Recall	0.15	0.25	0.25	0.3	0.35	0.35	0.4	0.45

SKCM  
 id: 263 name: FR-180204  
 target: ERK class: ERK MAPK signaling

50 cell lines  
 9 sensitive

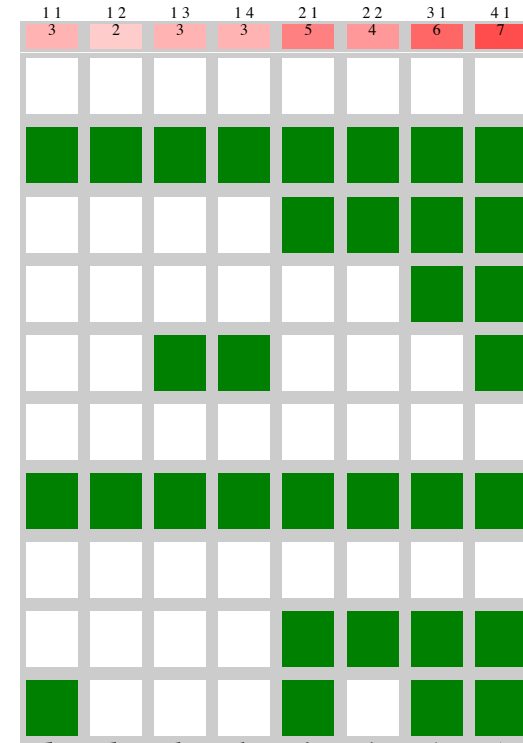
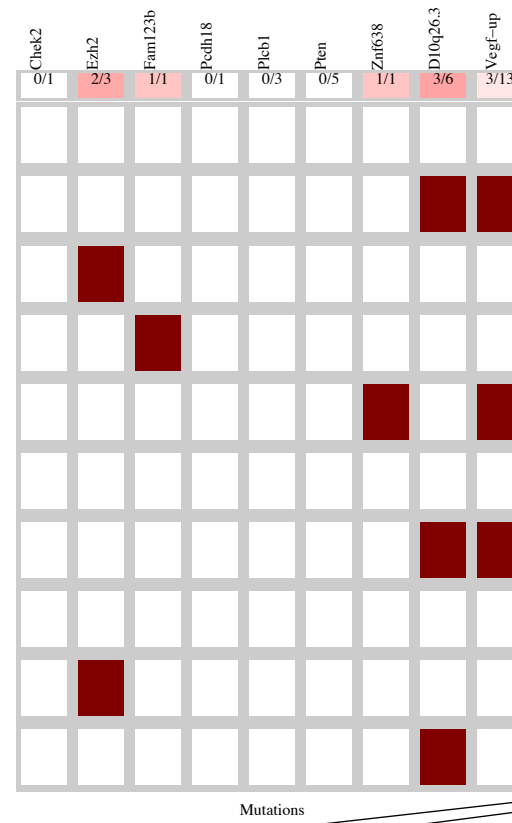
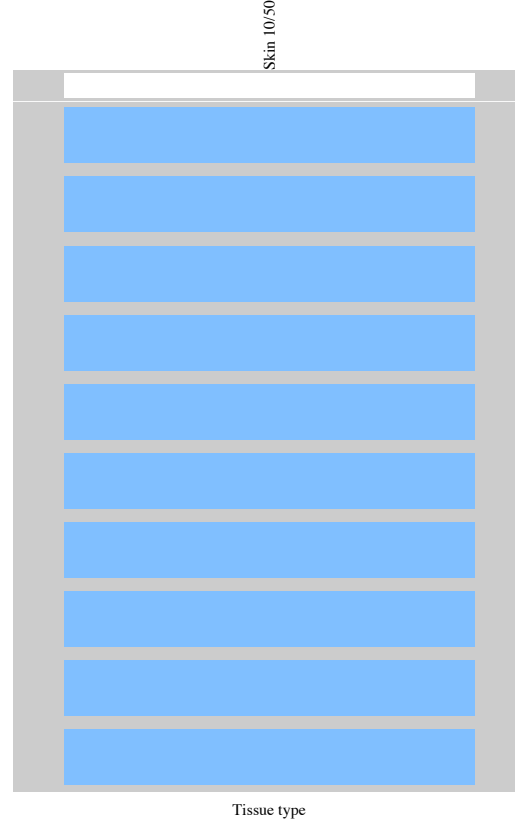
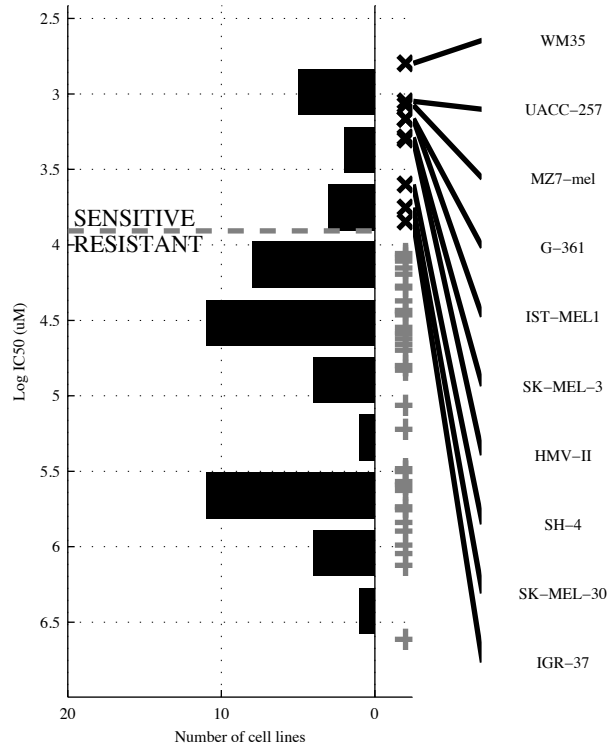


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>MCM8</b>	<b>ARHGAP</b>	<b>TP53 &amp; -d11q24</b>	<b>-NF1 &amp; -NRAS</b> <b>TP53 &amp; VEGF-U</b>	<b>MCM8   TAOK1</b>	[ <b>STAG1</b> & ]   [ <b>TP53</b> & d(BNC2) ]	<b>ARHGAP CLSPN</b>   <b>TAOK1</b>	<b>ARHGAP EP300</b>   <b>MLL3   TAOK1</b>
TP   FP Specificity FN   TN Precision Recall	1   0 1 8   41 1 0.11	1   0 1 8   41 1 0.11	4   6 0.85 5   35 0.4 0.44	4   5 0.88 5   36 0.44 0.44	2   0 1 7   41 1 0.22	4   8 0.8 5   33 0.33 0.44	3   0 1 6   41 1 0.33	4   0 1 5   41 1 0.44



SKCM  
 id: 290 name: KIN001-260  
 target: IKK class: other

50 cell lines  
 10 sensitive

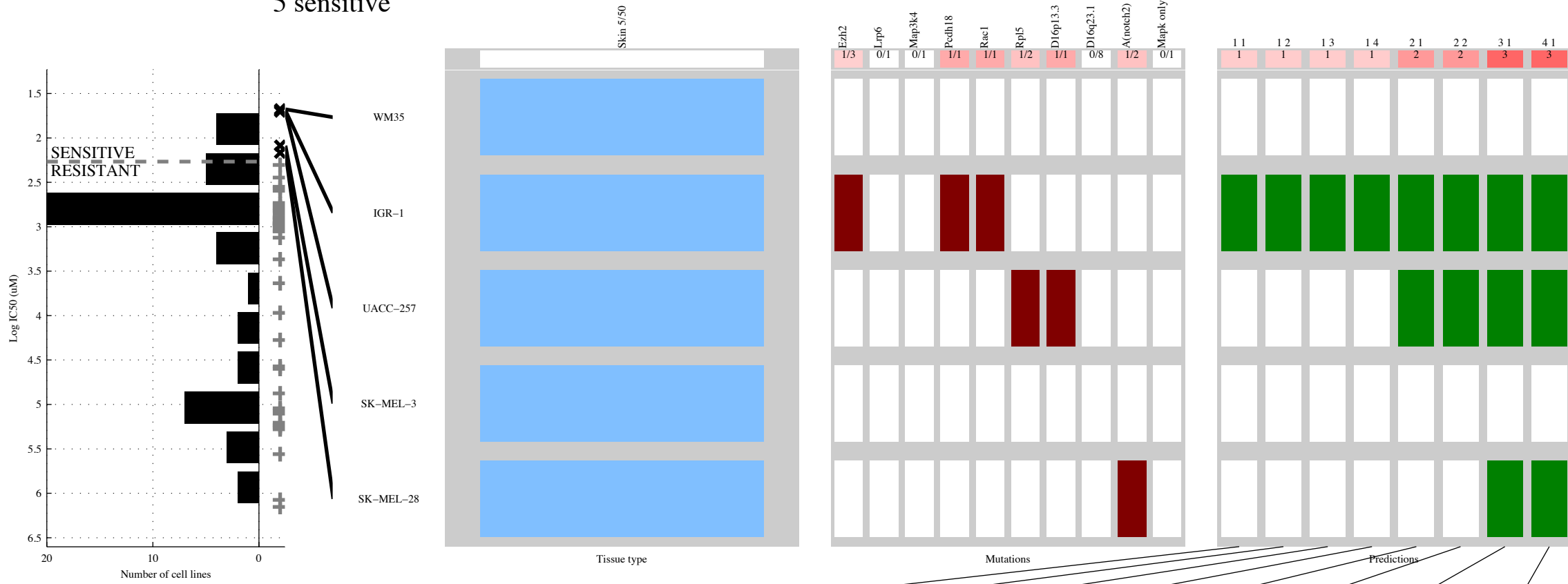


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d10q26</b>	<b>d10q26 &amp; VEGF-U</b>	<b>-CHEK2 &amp; -PLCB1 &amp; VEGF-U</b>	<b>-CHEK2 &amp; -PLCB1 &amp; -PTEN &amp; VEGF-U</b>	<b>EZH2   d10q26</b>	<b>[ EZH2 &amp; PCDH18   d10q26 &amp; VEGF-U ]</b>	<b>EZH2   FAM123   d10q26</b>	<b>EZH2   FAM123   ZNF638   d10q26</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{3}{7}   \frac{3}{37}$ 0.93 0.5 0.3	$\frac{2}{8}   \frac{0}{40}$ 1 1 0.2	$\frac{3}{7}   \frac{7}{33}$ 0.82 0.3 0.3	$\frac{3}{7}   \frac{5}{35}$ 0.88 0.38 0.3	$\frac{5}{5}   \frac{4}{36}$ 0.9 0.56 0.5	$\frac{4}{6}   \frac{0}{40}$ 1 1 0.4	$\frac{6}{4}   \frac{4}{36}$ 0.9 0.6 0.6	$\frac{7}{3}   \frac{4}{36}$ 0.9 0.64 0.7



SKCM  
 id: 291 name: KIN001-266  
 target: MAP3K8 (COT) class: other

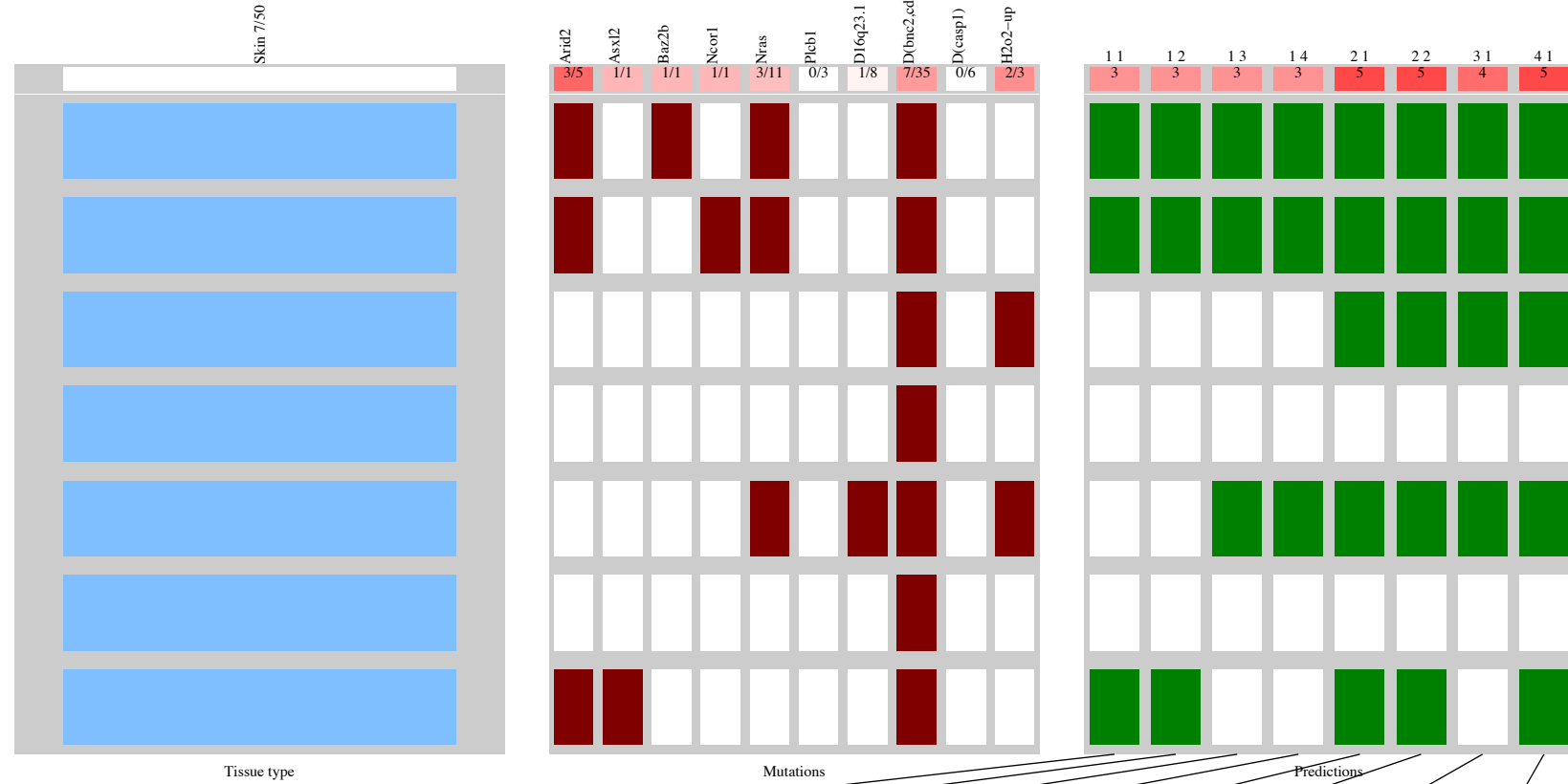
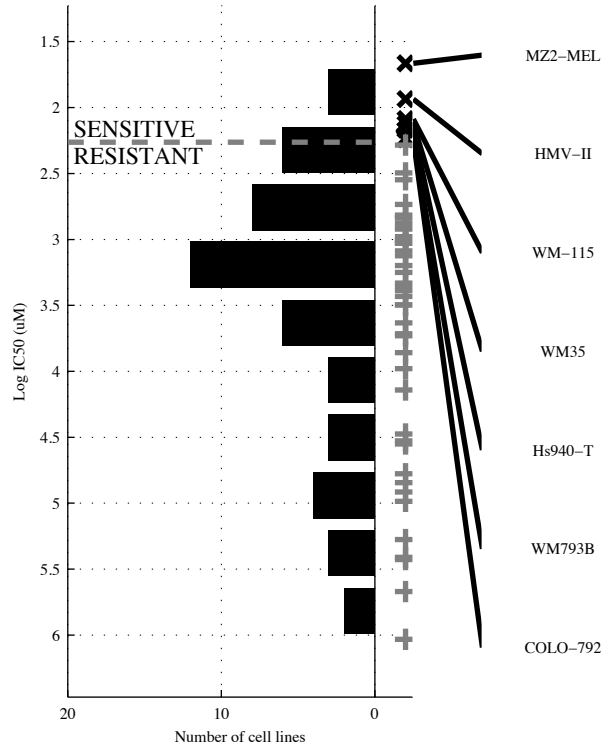
50 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>RAC1</b>	<b>PCDH18 &amp; d16q23</b>	<b>EZH2 &amp; -LRP6 &amp; -MAP3K4</b>	<b>EZH2 &amp; -LRP6 &amp; -MAP3K4</b>	<b>PCDH18   d16p13</b>	[ <b>RAC1 &amp; RPL5 &amp; MAPK</b> ]	<b>PCDH18   d16p13   a(NOTC</b>	<b>PCDH18   d16p13   a(NOTC  </b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{4} \mid \frac{0}{45} \quad 1$ 0.2	$\frac{1}{4} \mid \frac{0}{45} \quad 1$ 0.2	$\frac{1}{4} \mid \frac{0}{45} \quad 1$ 0.2	$\frac{1}{4} \mid \frac{0}{45} \quad 1$ 0.2	$\frac{2}{3} \mid \frac{0}{45} \quad 1$ 0.4	$\frac{2}{3} \mid \frac{0}{45} \quad 1$ 0.4	$\frac{3}{2} \mid \frac{1}{44} \quad 0.98$ 0.75 0.6	$\frac{3}{2} \mid \frac{1}{44} \quad 0.98$ 0.75 0.6

SKCM  
 id: 292 name: Masitinib  
 target: KIT class: RTK signaling

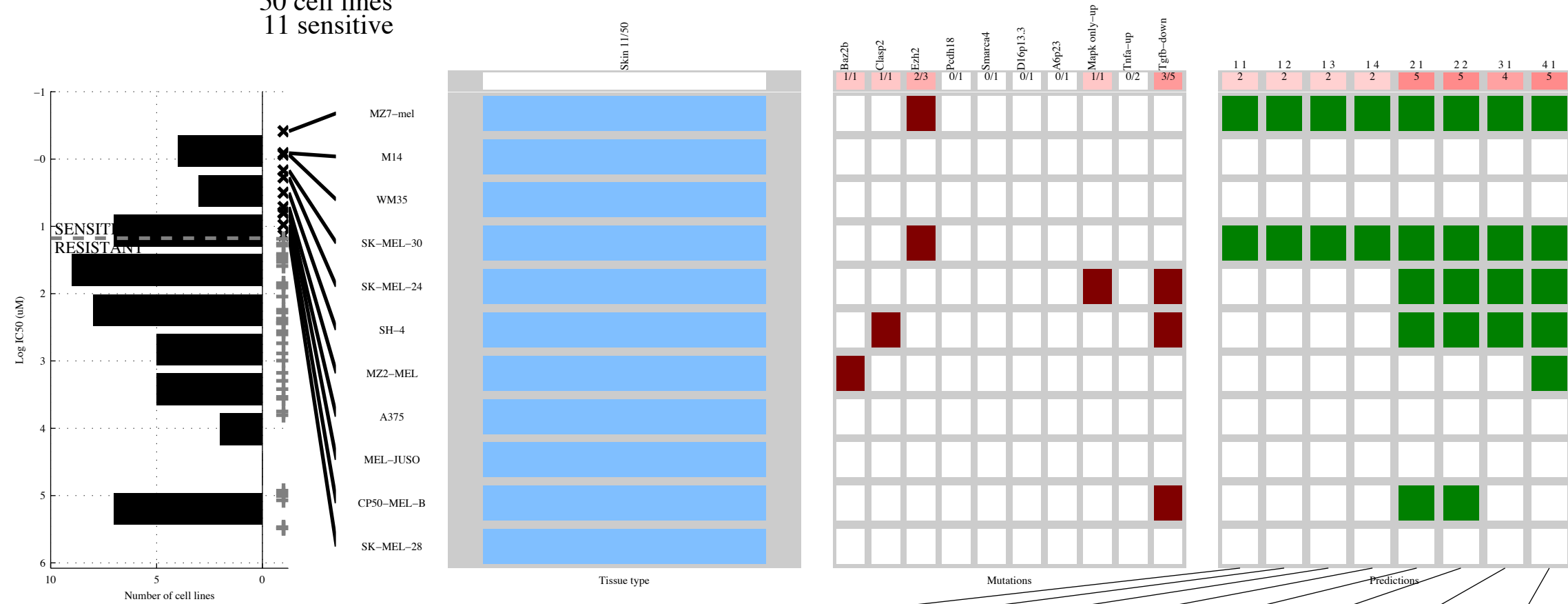
50 cell lines  
 7 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>ARID2</b>	<b>ARID2 &amp; ¬d16q23</b>	<b>NRAS &amp; d(BNC2 &amp; ¬d(CASP</b>	<b>NRAS &amp; ¬PLCB1 &amp; d(BNC2 &amp; d(CASP</b>	<b>ARID2   H2O2-U</b>	<b>[ d(BNC2 &amp; H2O2-U)   [ ARID2 &amp; ¬d16q23 ]</b>	<b>BAZ2B   NCOR1   H2O2-U</b>	<b>ASXL2   BAZ2B   NCOR1   H2O2-U</b>
TP   FP	3   2	3   1	3   2	3   1	5   3	5   1	4   1	5   1
Specificity	0.95	0.98	0.95	0.98	0.93	0.98	0.98	0.98
FN   TN	4   41	4   42	4   41	4   42	2   40	2   42	3   42	2   42
Precision	0.6	0.75	0.6	0.75	0.63	0.83	0.8	0.83
Recall	0.43	0.43	0.43	0.43	0.71	0.71	0.57	0.71

SKCM  
 id: 295 name: NVP-BHG712  
 target: EPHB4 class: RTK signaling

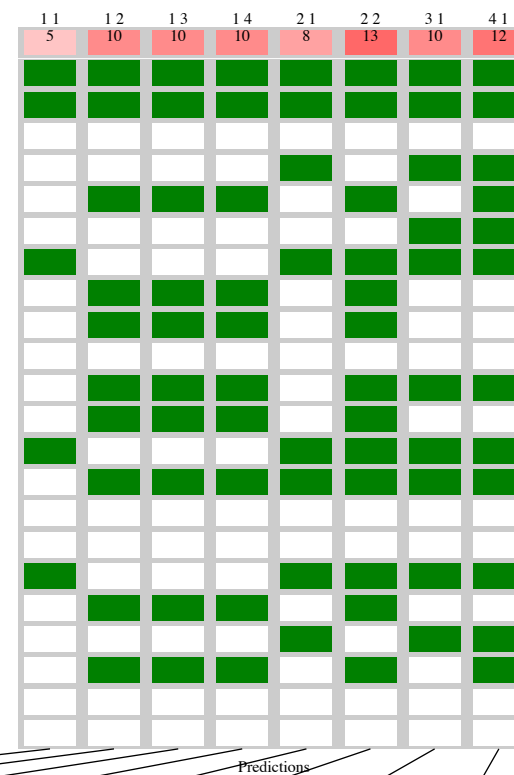
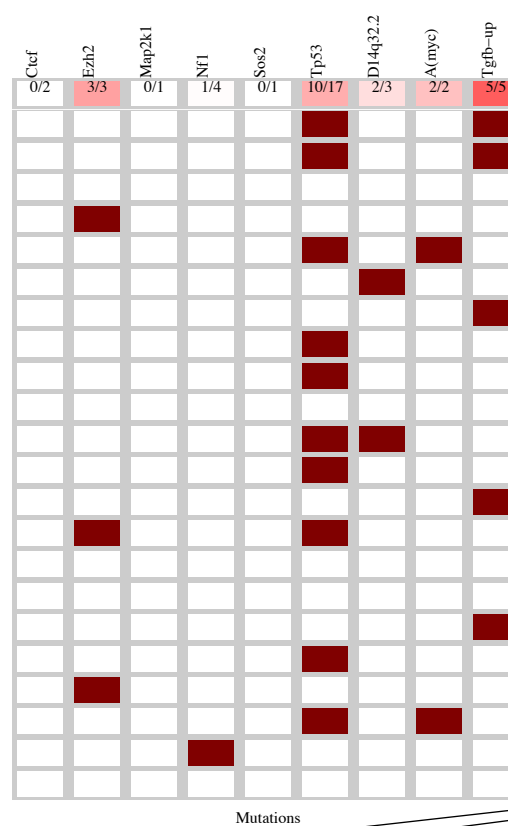
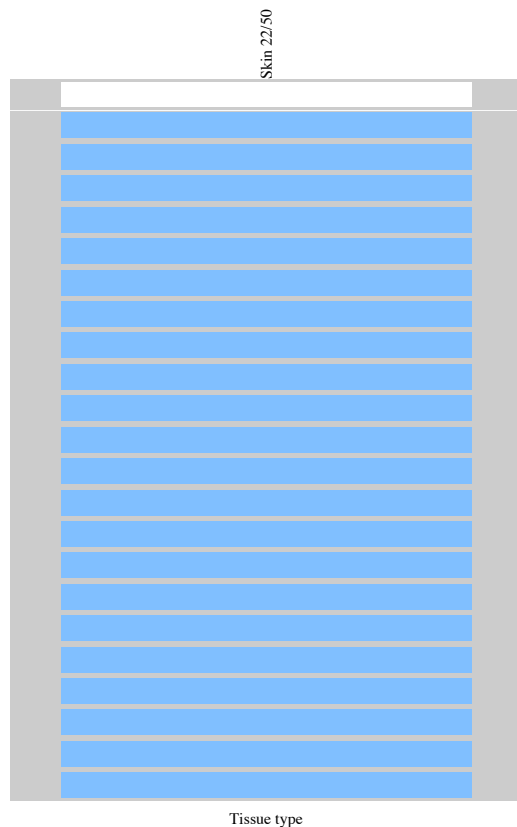
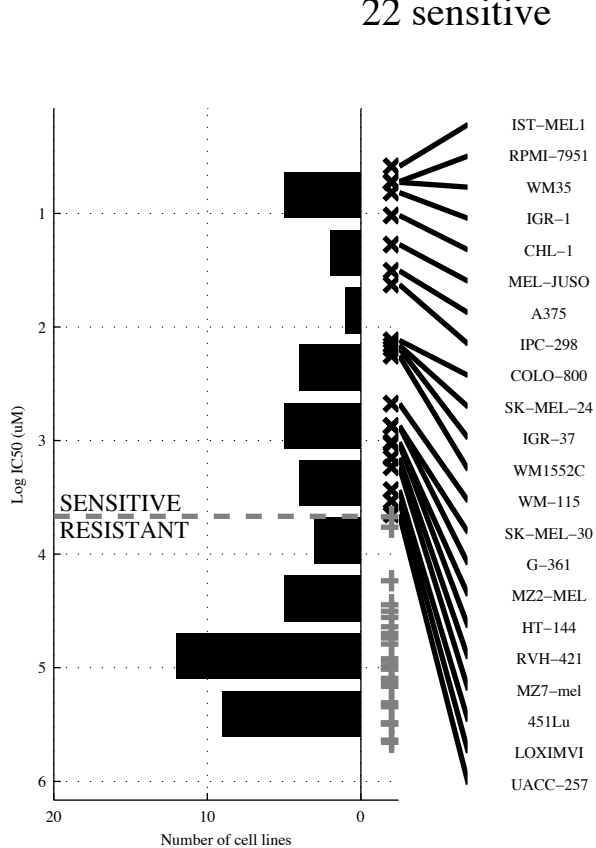
50 cell lines  
 11 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>EZH2</b>	<b>EZH2 &amp;PCDH18</b>	<b>EZH2 &amp;PCDH18</b> <b>¬TNFa-U</b>	<b>EZH2 &amp;PCDH18</b> <b>¬d16p13&amp;¬a6p23</b>	<b>EZH2  TGFB-D</b>	<b>[ EZH2 &amp;PCDH18 ]</b> <b>¬[SMARCA4&amp;TGFB-D]</b>	<b>CLASP2  EZH2  </b> <b>MAPK o</b>	<b>BAZ2B  CLASP2 </b> <b>EZH2  MAPK o</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{2}{9} \mid \frac{1}{38}$ 0.97 0.67 0.18	$\frac{2}{9} \mid \frac{0}{39}$ 1 1 0.18	$\frac{2}{9} \mid \frac{0}{39}$ 1 1 0.18	$\frac{2}{9} \mid \frac{0}{39}$ 1 1 0.18	$\frac{5}{6} \mid \frac{3}{36}$ 0.92 0.63 0.45	$\frac{5}{6} \mid \frac{1}{38}$ 0.97 0.83 0.45	$\frac{4}{7} \mid \frac{1}{38}$ 0.97 0.8 0.36	$\frac{5}{6} \mid \frac{1}{38}$ 0.97 0.83 0.45

SKCM  
 id: 300 name: CX-5461  
 target: RNA Pol I class: other

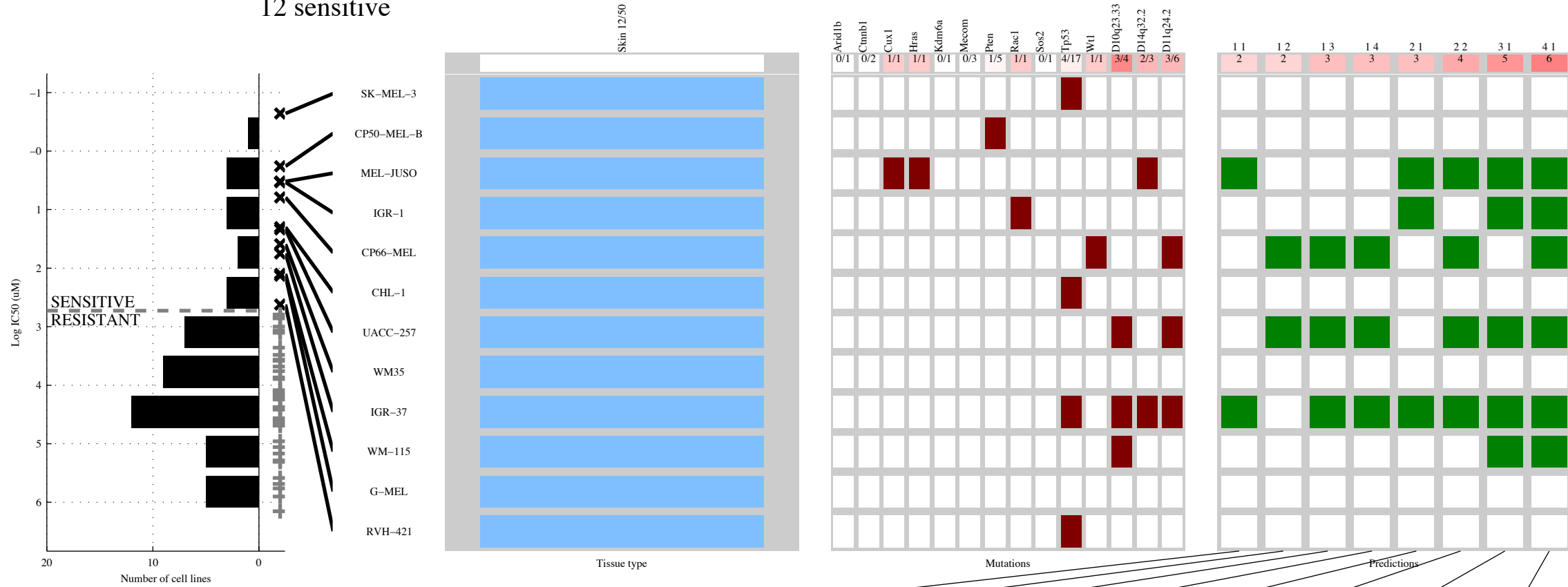
50 cell lines  
 22 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>TGFB-U</b>	<b>-NF1 &amp; TP53</b>	<b>-MAP2K&amp; -NF1 &amp; TP53</b>	<b>-CTCF&amp; -NF1 &amp; -SOS2 &amp; TP53</b>	<b>EZH2  TGFB-U</b>	[ <b>-NF1 &amp; TP53</b> ]   [ <b>TGFB-U&amp;</b> ]	<b>EZH2   d14q32   TGFB-U</b>	<b>EZH2   d14q32   a(MYC)  TGFB-U</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{5}{17} \mid \frac{0}{28}$ 1 0.23	$\frac{10}{12} \mid \frac{5}{23}$ 0.82 0.67 0.45	$\frac{10}{12} \mid \frac{4}{24}$ 0.86 0.71 0.45	$\frac{10}{12} \mid \frac{3}{25}$ 0.89 0.77 0.45	$\frac{8}{14} \mid \frac{0}{28}$ 1 1 0.36	$\frac{13}{9} \mid \frac{5}{23}$ 0.82 0.72 0.59	$\frac{10}{12} \mid \frac{1}{27}$ 0.96 0.91 0.45	$\frac{12}{10} \mid \frac{1}{27}$ 0.96 0.92 0.55

SKCM  
 id: 304 name: SB52334  
 target: ALK5 class: RTK signaling

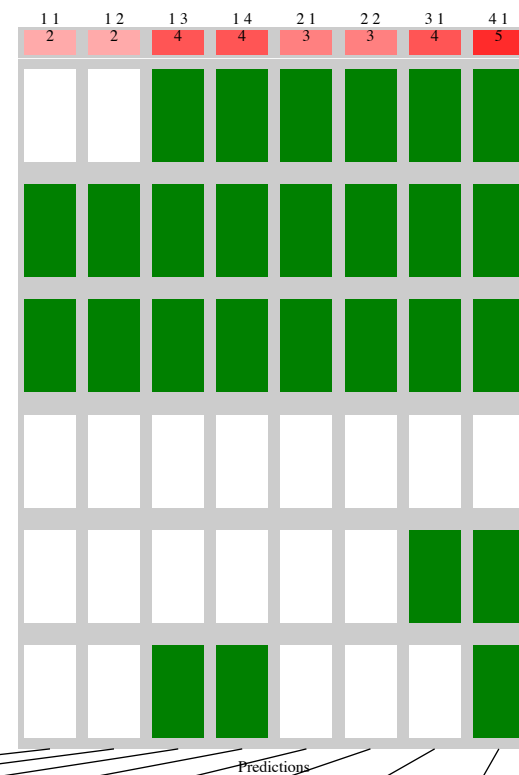
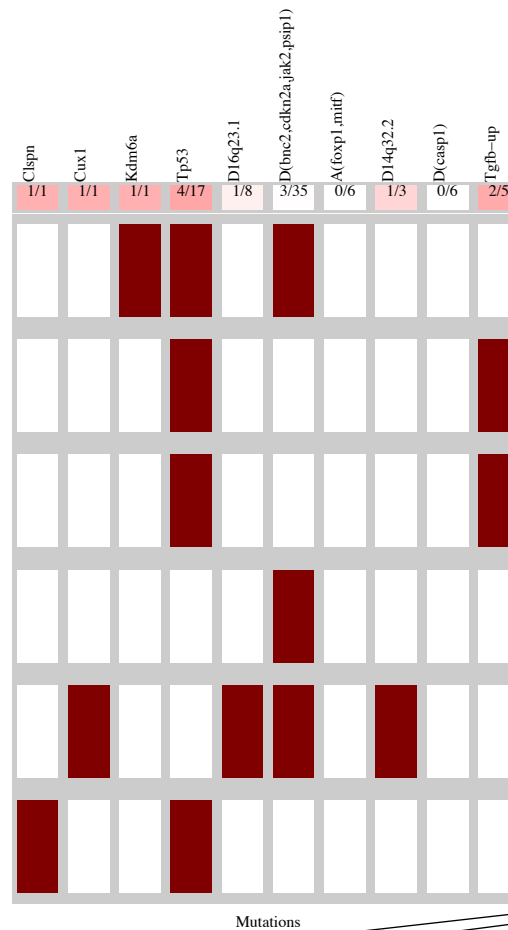
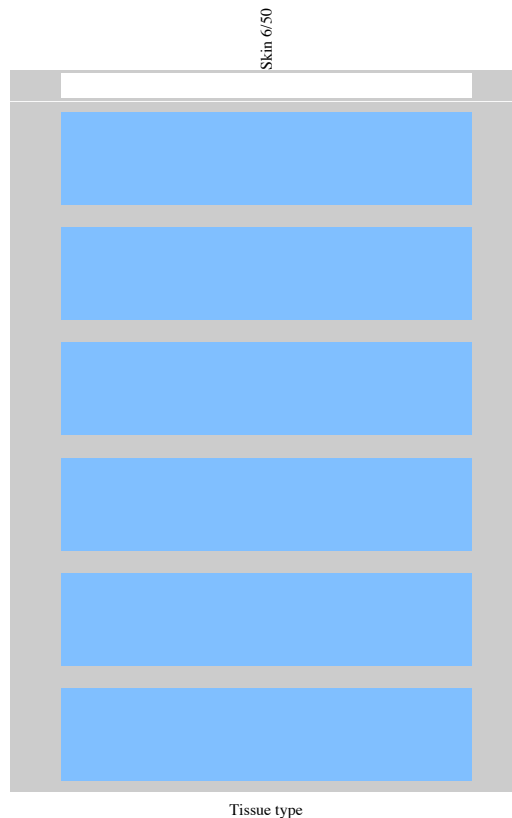
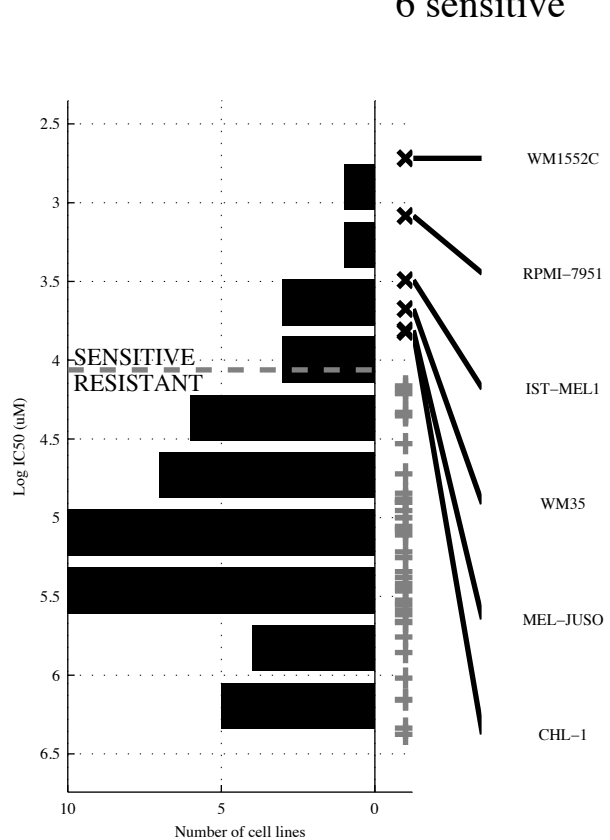
50 cell lines  
 12 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d14q32</b>	<b>-TP53 &amp; d11q24</b>	<b>-PTEN &amp; -SOS2 &amp; d11q24</b>	<b>-ARID1B &amp; KDM6A &amp; -MECOM &amp; d11q24</b>	<b>RAC1   d14q32</b>	<b>[ -TP53 &amp; d11q24 ]   [ CTNNB1 &amp; d14q32 ]</b>	<b>HRAS   RAC1   d10q23</b>	<b>CUX1   RAC1   WT1   d10q23</b>
TP   FP	2   1	2   0	3   1	3   0	3   1	4   0	5   1	6   1
Specificity	0.97	1	0.97	1	0.97	1	0.97	0.97
FN   TN	10   37	10   38	9   37	9   38	9   37	8   38	7   37	6   37
Precision	0.67	1	0.75	1	0.75	1	0.83	0.86
Recall	0.17	0.17	0.25	0.25	0.25	0.33	0.42	0.5

SKCM  
 id: 309 name: Y-39983  
 target: ROCK class: cytoskeleton

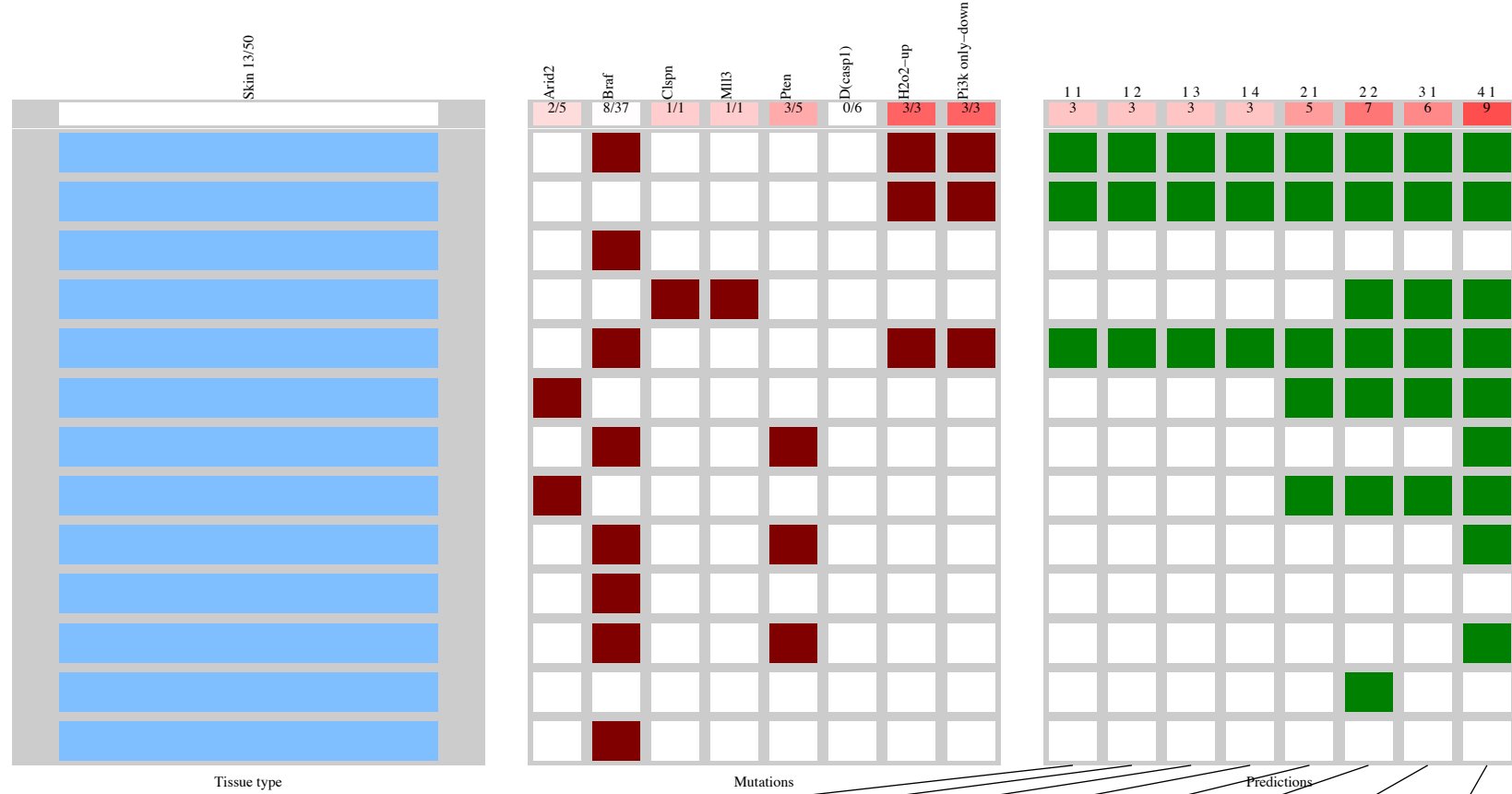
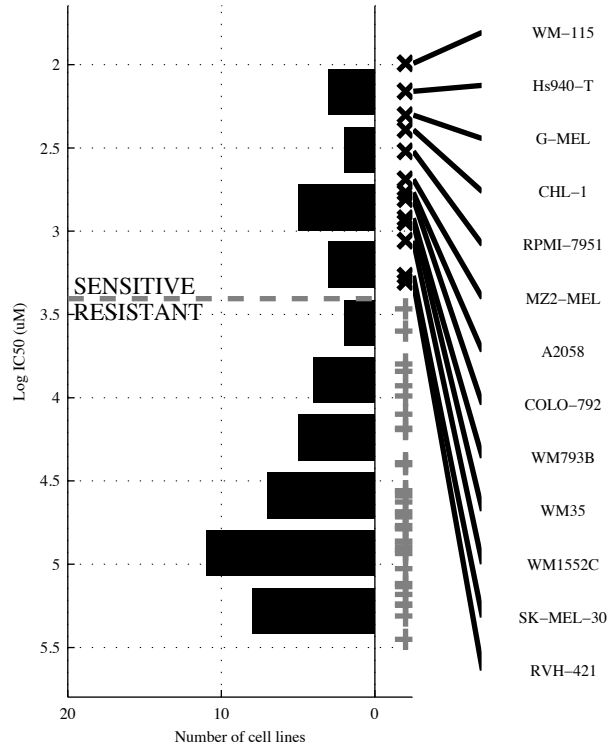
50 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>TGFB-U</b>	<b>~d(BNC2) &amp; TGFB-U</b>	<b>TP53 &amp; ~a(FOXO1) &amp; ~d(CASP1)</b>	<b>TP53 &amp; ~d16q23.1 &amp; ~a(FOXO1) &amp; ~d(CASP1)</b>	<b>KDM6A   TGFB-U</b>	<b>[KDM6A &amp; ~d14q32.2]   [TP53 &amp; TGFB-U]</b>	<b>CUX1   KDM6A   TGFB-U</b>	<b>CLSPN   CUX1   KDM6A   TGFB-U</b>
TP   FP Specificity	2   3 0.93	2   0 1	4   6 0.86	4   4 0.91	3   3 0.93	3   0 1	4   3 0.93	5   3 0.93
FN   TN Precision	4   41 0.4	4   44 1	2   38 0.4	2   40 0.5	3   41 0.5	3   44 1	2   41 0.57	1   41 0.63
Recall	0.33	0.33	0.67	0.67	0.5	0.5	0.67	0.83

SKCM  
 id: 329 name: QL-XI-92  
 target: DDR1 class: RTK signaling

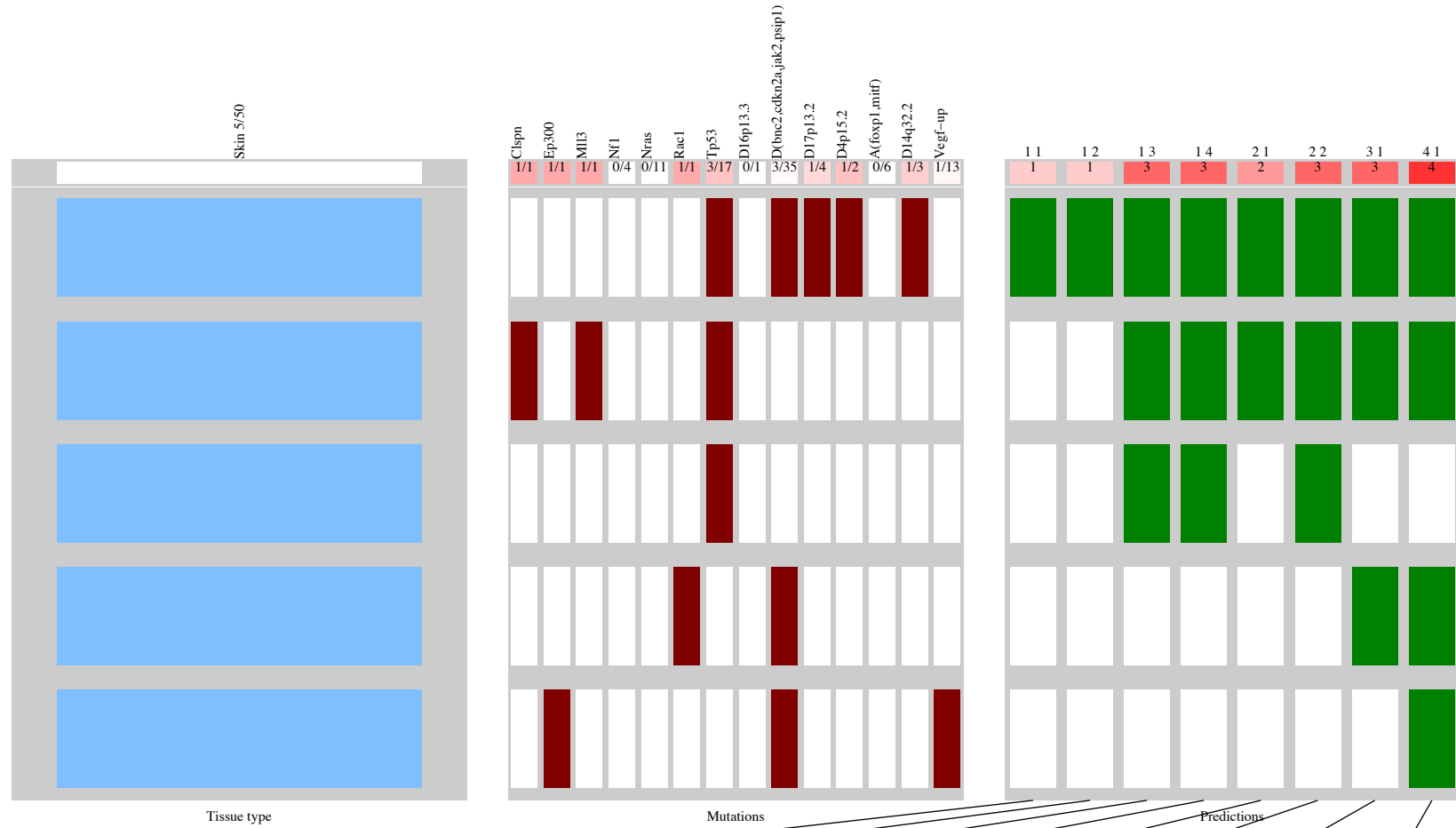
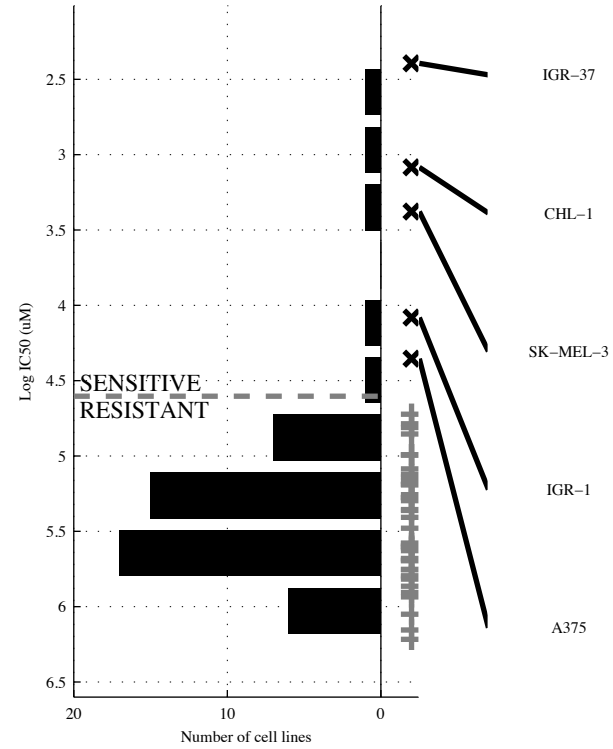
50 cell lines  
 13 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>PI3K o</b>	<b>H2O2-U&amp;</b>	<b>H2O2-U&amp;</b> &	<b>H2O2-U&amp;</b> &	<b>ARID2  H2O2-U</b>	[ <b>-BRAf&amp;d(CASP)</b>   <b>PI3K o&amp;</b> ]	<b>ARID2   CLSPN  </b> <b>H2O2-U</b>	<b>ARID2   MLL3  </b> <b>PTEN  H2O2-U</b>
TP   FP Specificity	3   0	3   0	3   0	3   0	5   3	7   4	6   3	9   5
FN   TN Precision	10   37	10   37	10   37	10   37	8   34	6   33	7   34	4   32
Recall	0.23	0.23	0.23	0.23	0.92 0.63 0.38	0.89 0.64 0.54	0.92 0.67 0.46	0.86 0.64 0.69

SKCM  
 id: 341 name: EX-527  
 target: SIRT1 class: other

50 cell lines  
 5 sensitive

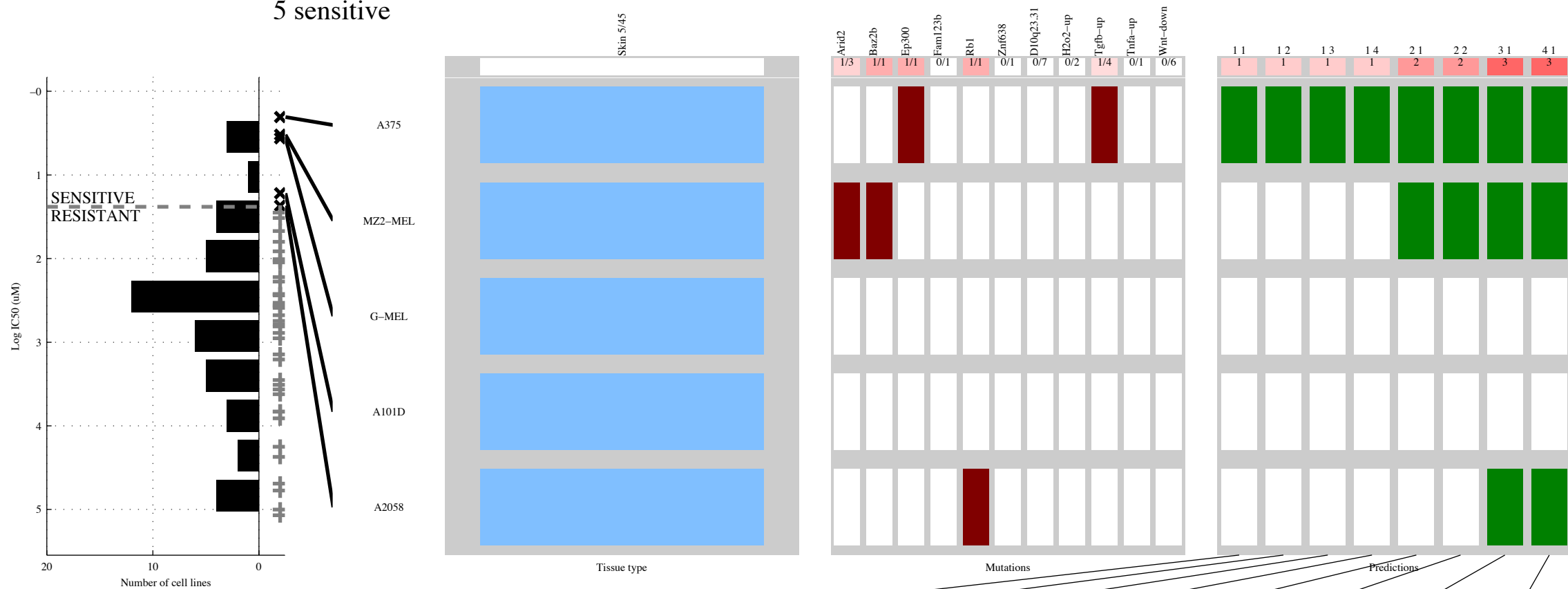


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d14q32</b>	<b>¬d16p13&amp; d4p15.</b>	<b>TP53 &amp;a(FOX&amp;</b> <b>¬VEGF-U</b>	<b>¬NF1 &amp; TP53 &amp;</b> <b>¬a(FOX&amp;VEGF-U</b>	<b>CLSPN   d14q32</b>	<b>[ d17p13&amp; d4p15. ]</b> <b> </b> <b>[ ¬NRAS&amp;d(BNC2]</b>	<b>MLL3   RAC1  </b> <b>d14q32</b>	<b>EP300   MLL3  </b> <b>RAC1   d14q32</b>
TP   FP Specificity	1   2 0.96	1   0 1	3   7 0.84	3   5 0.89	2   2 0.96	3   9 0.8	3   2 0.96	4   2 0.96
FN   TN Precision	4   43 0.33	4   45 1	2   38 0.3	2   40 0.38	3   43 0.5	2   36 0.25	2   43 0.6	1   43 0.67
Recall	0.2	0.2	0.6	0.6	0.4	0.6	0.6	0.8



SKCM  
 id: 1005 name: Cisplatin  
 target: DNA crosslinker class: DNA replication

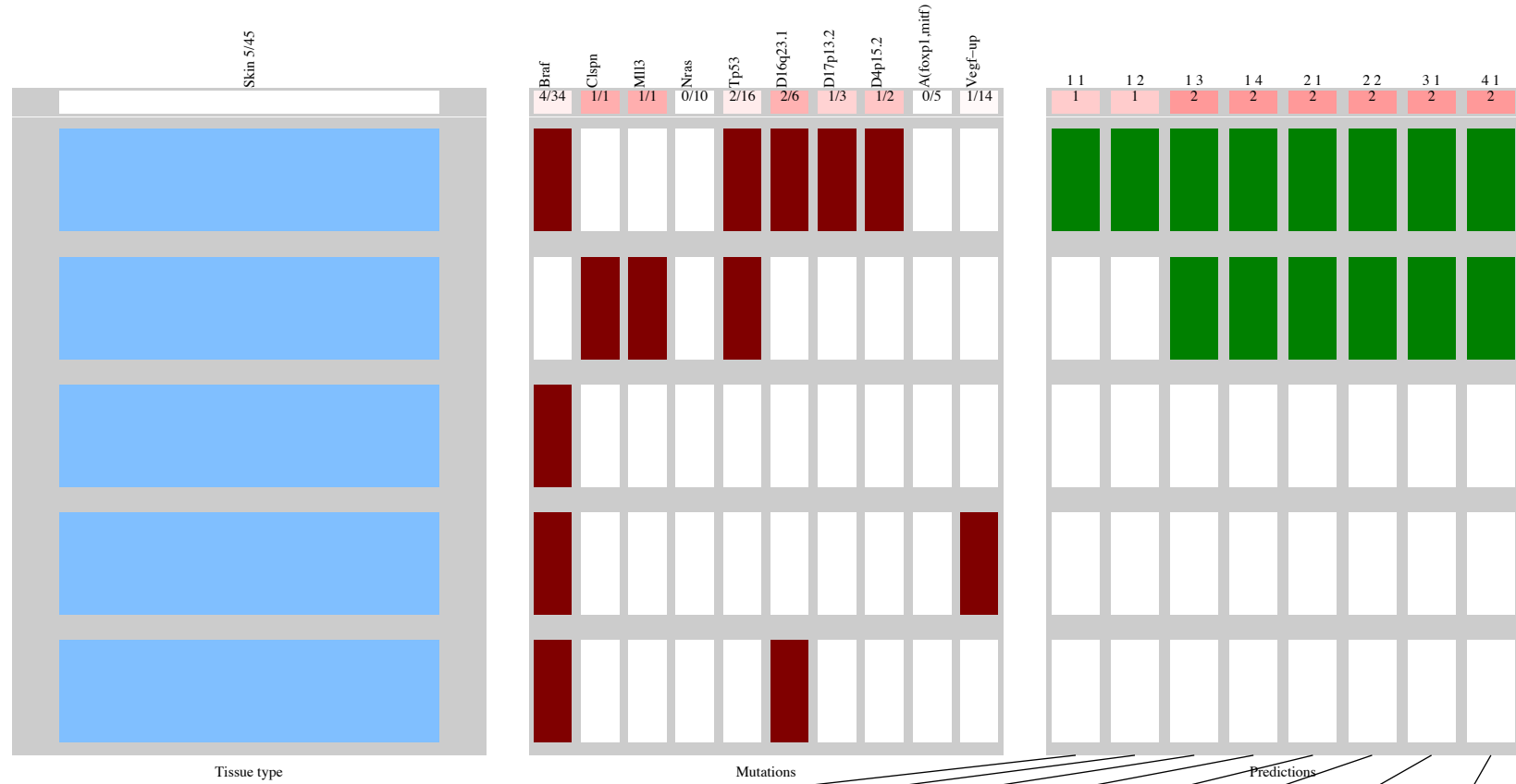
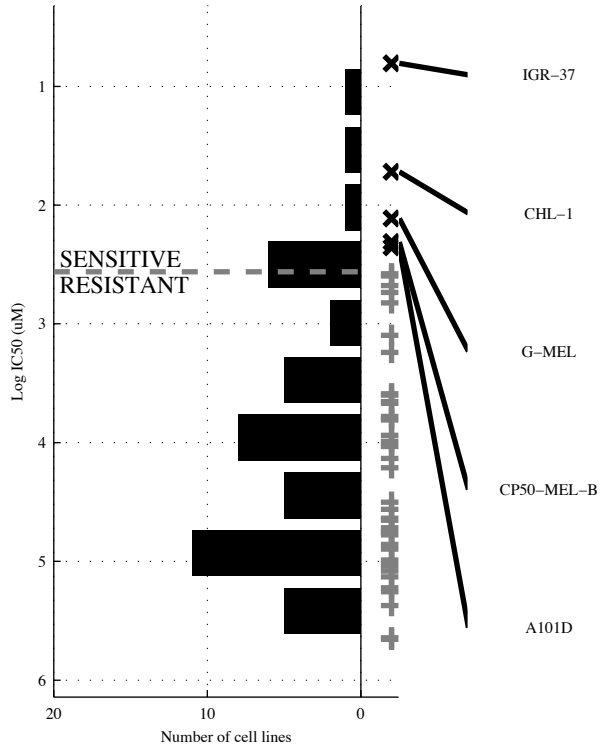
45 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>EP300</b>	<b>EP300 &amp; -d10q23</b>	<b>-ZNF638 &amp; H2O2-U</b> <b>TGFB-U</b>	<b>-ZNF638 &amp; TGFB-U</b> <b>-TNFa-U &amp; Wnt-DO</b>	<b>BAZ2B   EP300</b>	<b>[ ARID2 &amp; BAZ2B ]</b> <b> </b> <b>[ EP300 &amp; FAM123 ]</b>	<b>BAZ2B   EP300  </b> <b>RB1</b>	<b>BAZ2B   EP300  </b> <b>RB1  </b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{4} \mid \frac{0}{40}$ 1 0.2	$\frac{1}{4} \mid \frac{0}{40}$ 1 0.2	$\frac{1}{4} \mid \frac{0}{40}$ 1 0.2	$\frac{1}{4} \mid \frac{0}{40}$ 1 0.2	$\frac{2}{3} \mid \frac{0}{40}$ 1 0.4	$\frac{2}{3} \mid \frac{0}{40}$ 1 0.4	$\frac{3}{2} \mid \frac{0}{40}$ 1 0.6	$\frac{3}{2} \mid \frac{0}{40}$ 1 0.6

SKCM  
 id: 1009 name: ATRA  
 target: Retinoic acid and retinoid X receptor agonist class: other

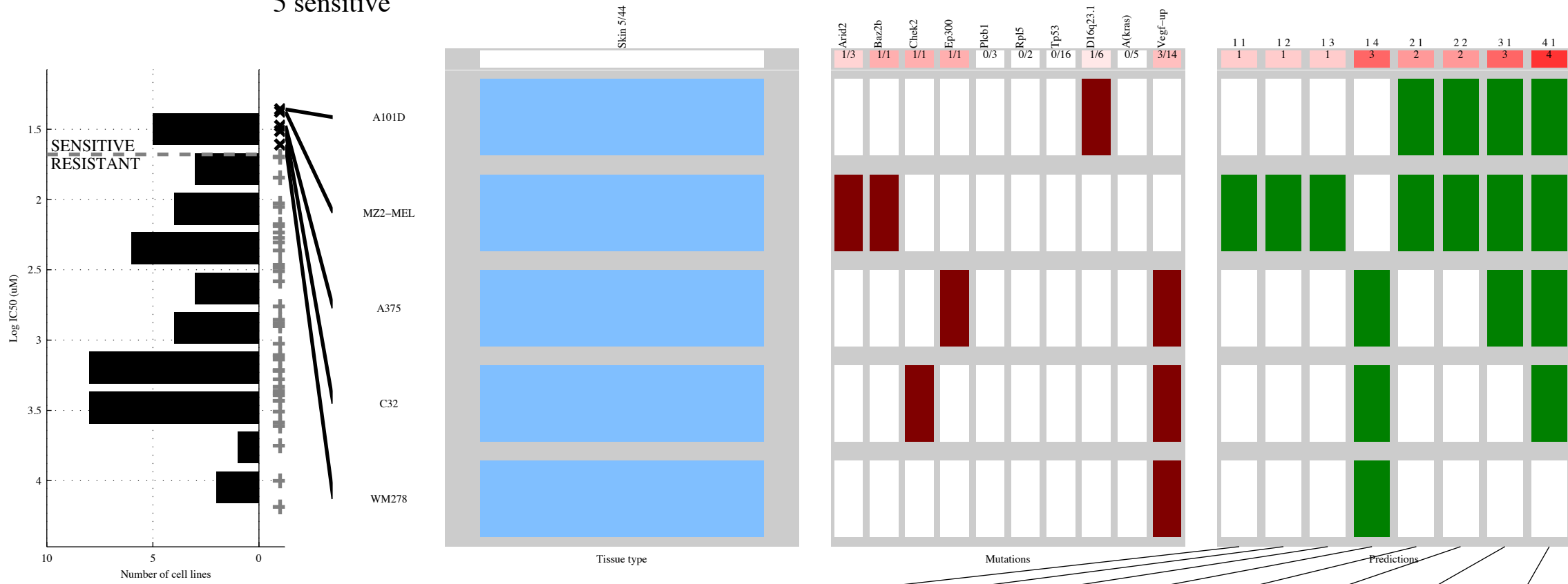
45 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d4p15.</b>	<b>-NRAS &amp; d17p13</b>	<b>TP53 &amp; a(FOXK</b> <b>-VEGF-U</b>	<b>-NRAS &amp; TP53 &amp;</b> <b>-a(FOXK &amp; VEGF-U</b>	<b>MLL3   d4p15.</b>	<b>[ -BRAF &amp; MLL3 ]</b> <b> </b> <b>[ d16q23 &amp; d17p13 ]</b>	<b>CLSPN   d4p15.  </b>	<b>MLL3   d4p15.  </b> <b> </b>
TP   FP Specificity	1   1 0.97	1   1 1	2   8 0.8	2   6 0.85	2   1 0.97	2   0 1	2   1 0.97	2   1 0.97
FN   TN Precision	4   39 0.5	4   40 1	3   32 0.2	3   34 0.25	3   39 0.67	3   40 1	3   39 0.67	3   39 0.67
Recall	0.2	0.2	0.4	0.4	0.4	0.4	0.4	0.4

SKCM  
 id: 1013 name: Nilotinib  
 target: ABL class: ABL signaling

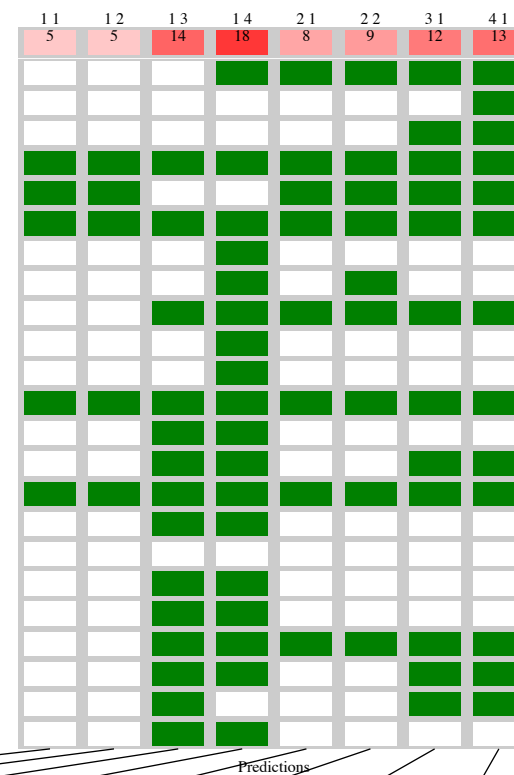
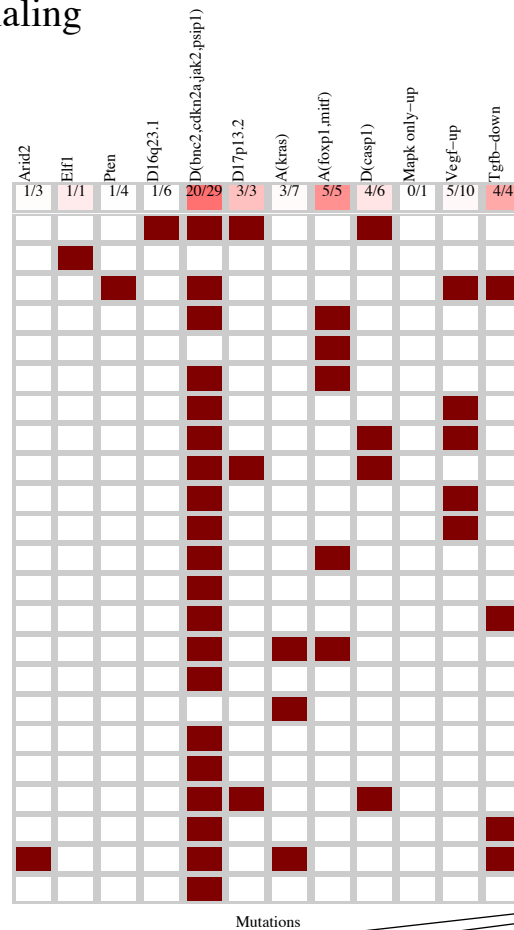
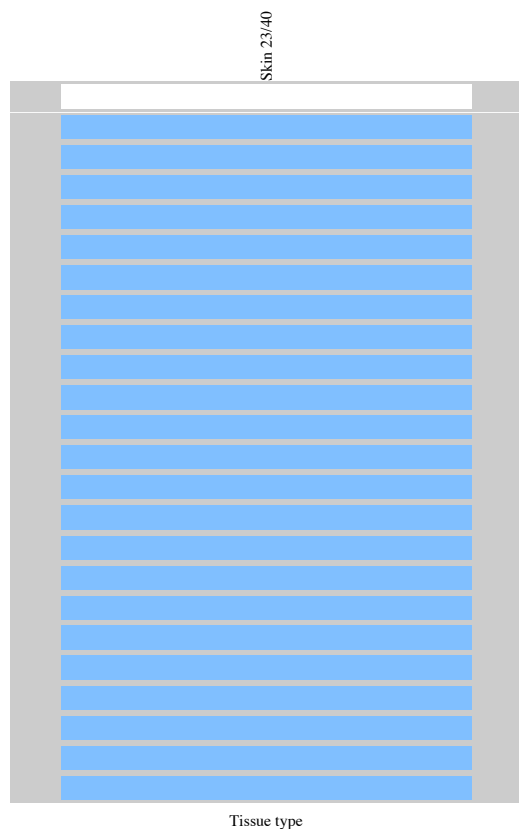
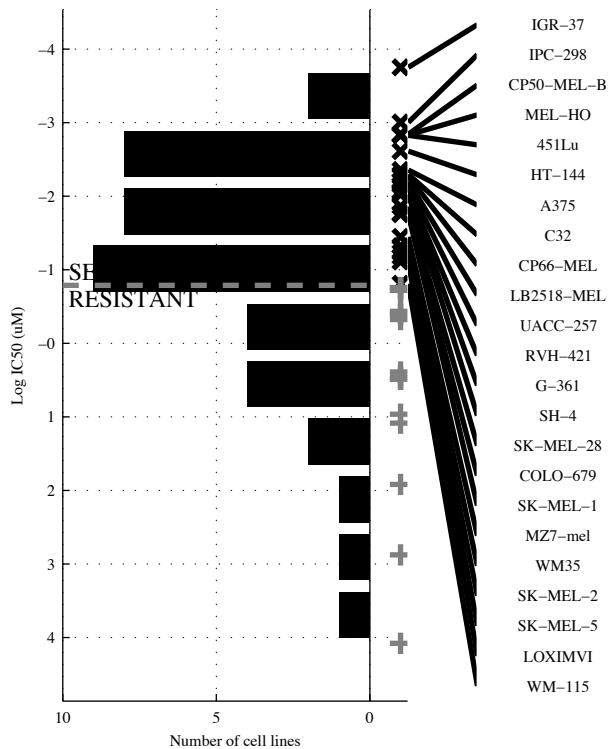
44 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>BAZ2B</b>	<b>BAZ2B &amp;</b>	<b>BAZ2B &amp; -TP53 &amp;</b>	<b>-PLCB1 &amp; -RPL5 &amp;</b> <b>-a(KRAS) &amp; VEGF-U</b>	<b>BAZ2B   d16q23</b>	<b>[ ARID2 &amp; BAZ2B ]</b> <b> </b> <b>[ -TP53 &amp; d16q23 ]</b>	<b>BAZ2B   EP300  </b> <b>d16q23</b>	<b>BAZ2B   CHEK2  </b> <b>EP300   d16q23</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{4} \mid \frac{0}{39}$ 1 0.2	$\frac{1}{4} \mid \frac{0}{39}$ 1 0.2	$\frac{1}{4} \mid \frac{0}{39}$ 1 0.2	$\frac{3}{2} \mid \frac{5}{34}$ 0.87 0.38 0.6	$\frac{2}{3} \mid \frac{5}{34}$ 0.87 0.29 0.4	$\frac{2}{3} \mid \frac{2}{37}$ 0.95 0.5 0.4	$\frac{3}{2} \mid \frac{5}{34}$ 0.87 0.38 0.6	$\frac{4}{1} \mid \frac{5}{34}$ 0.87 0.44 0.8

SKCM  
 id: 1014 name: RDEA119  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

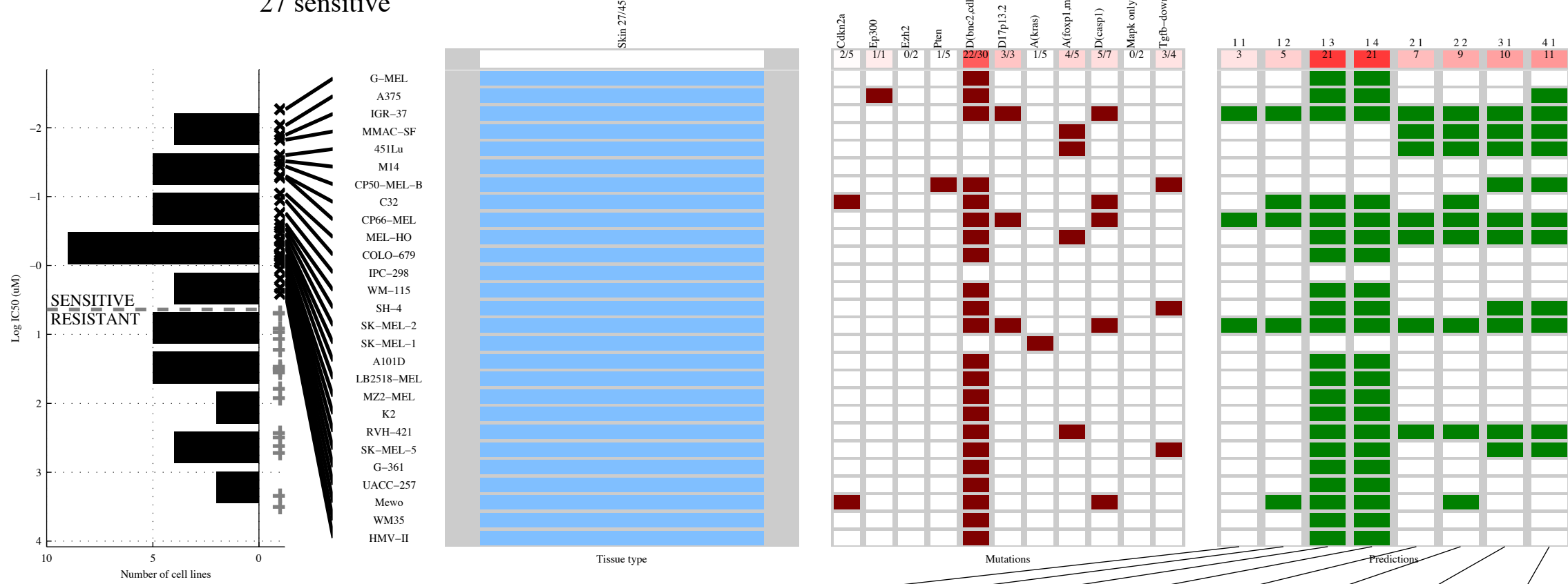
40 cell lines  
 23 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a(FOXP)</b>	<b>a(FOXP&amp;</b>	<b>-d16q23&amp;d(BNC2&amp;</b> <b>-VEGF-U</b>	<b>-ARID2&amp;-PTEN&amp;</b> <b>d(BNC2&amp;MAPK o</b>	<b>d17p13   a(FOXP</b>	<b>[a(KRAS&amp;d(CASP</b> <b> </b> <b>[ a(FOXP&amp;</b>	<b>d17p13   a(FOXP  </b> <b>TGFB-D</b>	<b>ELF1   d17p13  </b> <b>a(FOXP   TGFB-D</b>
TP   FP	5   0	5   0	14   3	18   3	8   0	9   0	12   0	13   0
Specificity	1	1	0.82	0.82	1	1	1	1
FN   TN	18   17	18   17	9   14	5   14	15   17	14   17	11   17	10   17
Precision	1	1	0.82	0.86	1	1	1	1
Recall	0.22	0.22	0.61	0.78	0.35	0.39	0.52	0.57

SKCM  
 id: 1015 name: CI-1040  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

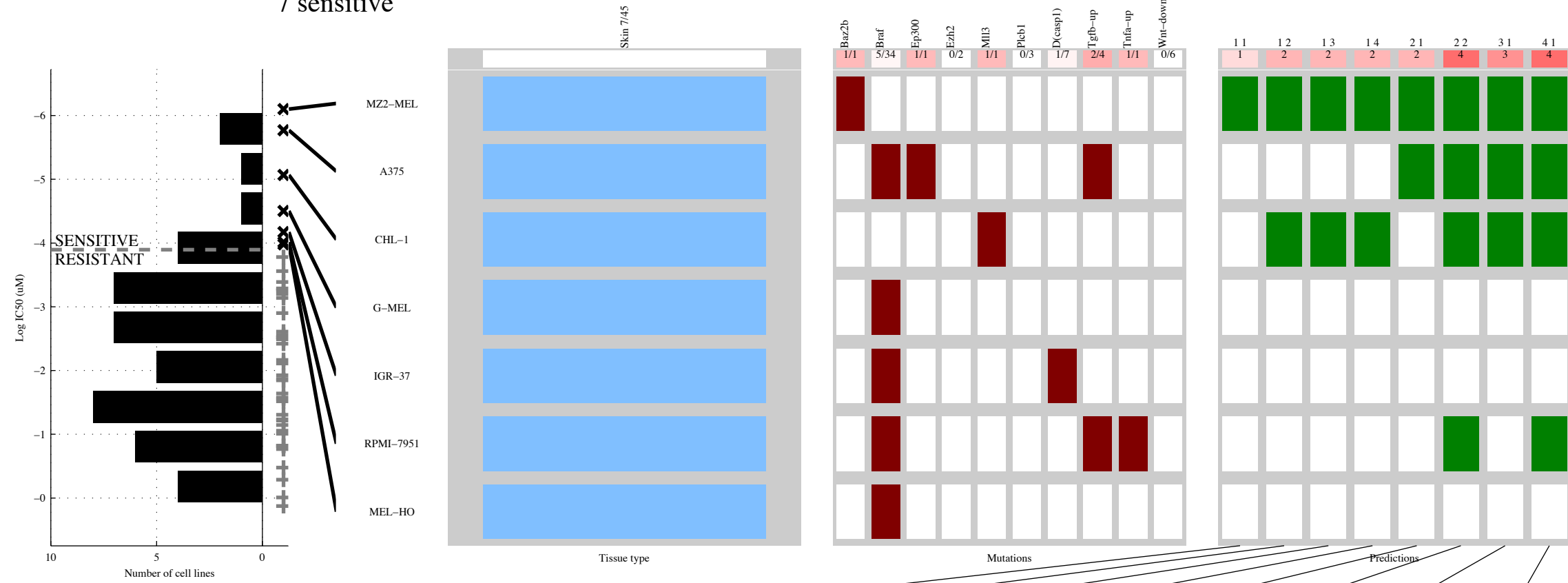
45 cell lines  
 27 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d17p13</b>	<b>¬a(KRAS)&amp;d(CASP</b>	<b>¬PTEN&amp;d(BNC2&amp;</b>	<b>¬EZH2&amp;¬PTEN&amp;</b> <b>d(BNC2&amp;MAPK o</b>	<b>d17p13   a(FOXP</b>	<b>¬a(KRAS&amp;d(CASP  </b> <b>¬CDKN2&amp;a(FOXP  </b>	<b>d17p13   a(FOXP  </b>	<b>EP300   d17p13  </b> <b>a(FOXP TGFB-D</b>
TP   FP	3   0	5   0	21   3	21   2	7   1	9   0	10   2	11   2
FN   TN	24   18	22   18	6   15	6   16	20   17	18   18	17   16	16   16
Specificity	1	1	0.83	0.89	0.94	1	0.89	0.89
Precision	1	1	0.88	0.91	0.88	1	0.83	0.85
Recall	0.11	0.19	0.78	0.78	0.26	0.33	0.37	0.41

SKCM  
 id: 1016 name: Temsirolimus  
 target: MTOR class: TOR signaling

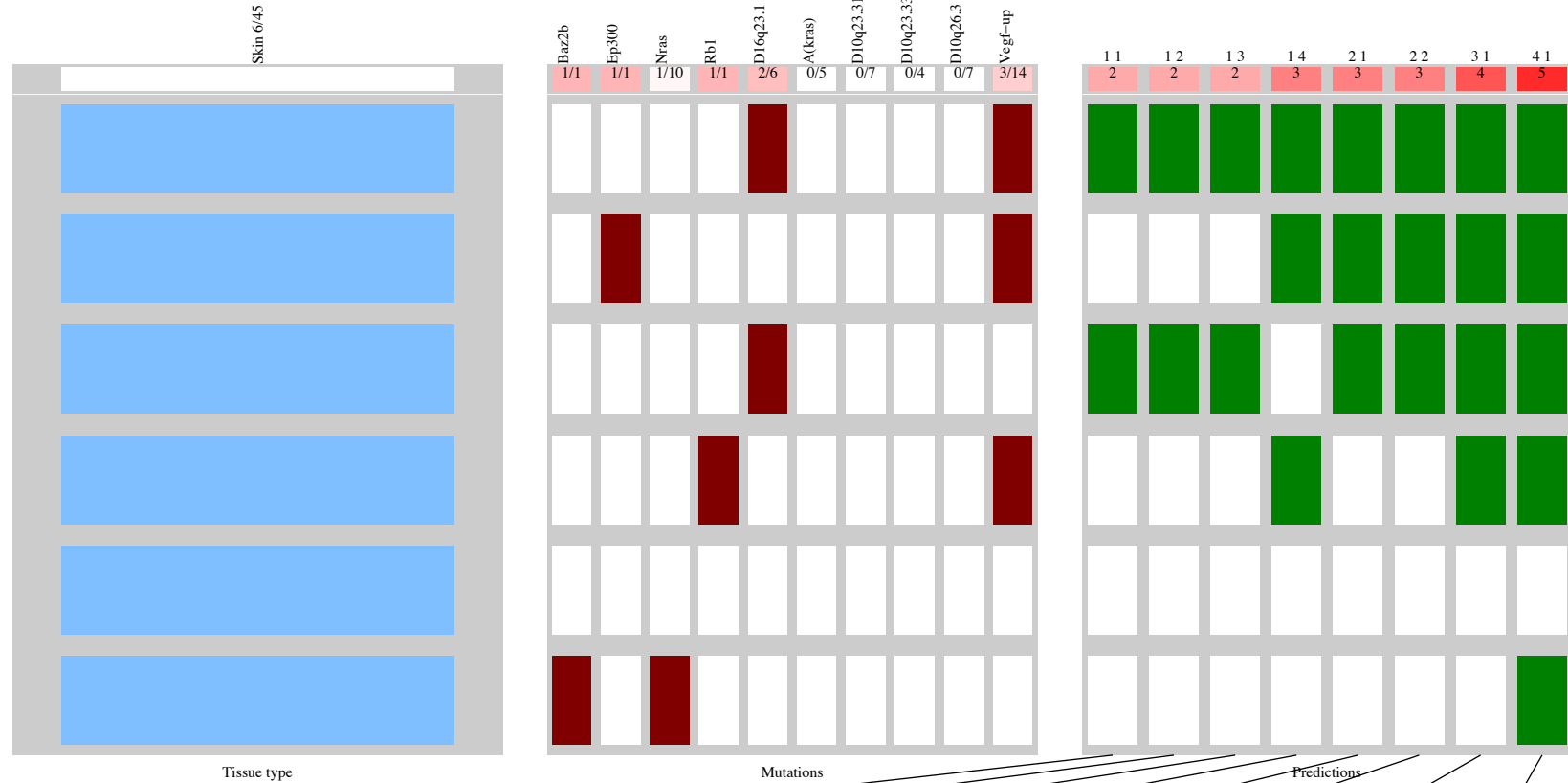
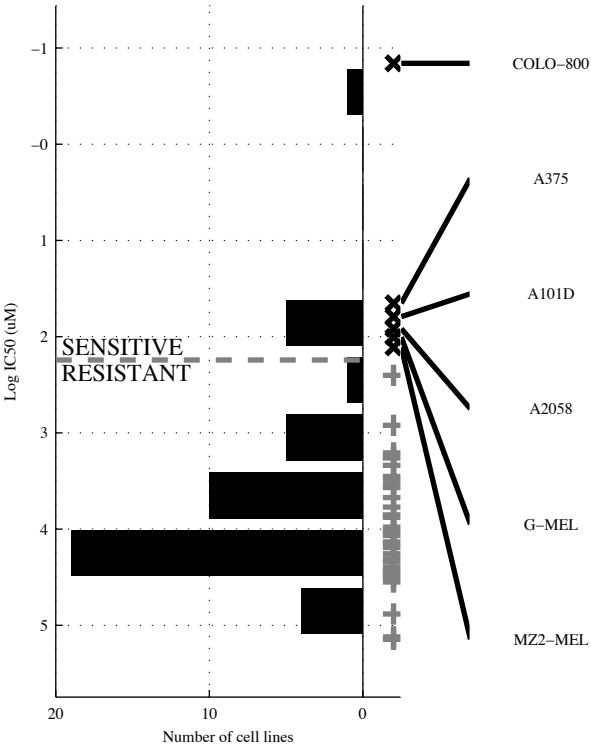
45 cell lines  
 7 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>BAZ2B</b>		<b>¬BRAF &amp; ¬d(CASP)</b>		<b>¬BRAF &amp; ¬PLCB1 &amp; ¬d(CASP)</b>		<b>¬BRAF &amp; ¬EZH2 &amp; ¬PLCB1 &amp; d(CASP)</b>		<b>BAZ2B   EP300</b>		<b>[TGFB-U &amp; Wnt-DQ]   [¬BRAF &amp; d(CASP)]</b>		<b>BAZ2B   EP300   MLL3</b>		<b>BAZ2B   EP300   MLL3   TNFA-U</b>	
TP   FP	1   0	1	2   5	0.87	2   4	0.89	2   3	0.92	2   0	1	4   6	0.84	3   0	1	4   0	1
FN   TN	6   38	1	5   33	0.29	5   34	0.33	5   35	0.4	5   38	1	3   32	0.4	4   38	1	3   38	1
Specificity																
Precision																
Recall		0.14		0.29		0.29		0.29		0.29		0.57		0.43		0.57

SKCM  
 id: 1017 name: Olaparib  
 target: PARP1, PARP2 class: Genome integrity

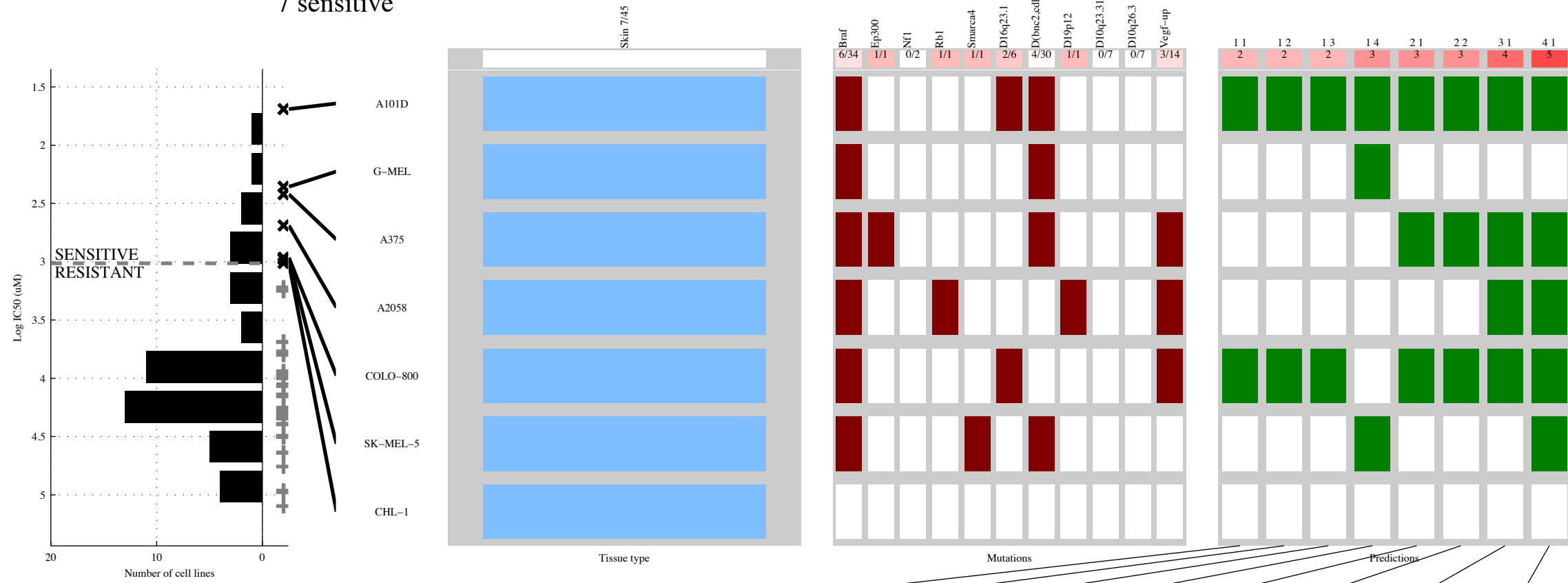
45 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d16q23</b>	<b>d16q23 &amp; ¬d10q26</b>	<b>¬NRAS &amp; d16q23 &amp; ¬d10q26</b>	<b>¬NRAS &amp; a(KRAS &amp; ¬d10q23 &amp; VEGF-U</b>	<b>EP300   d16q23</b>	<b>[ EP300 &amp;   [ d16q23 &amp; ¬d10q23 ]</b>	<b>EP300   RB1   d16q23</b>	<b>BAZ2B   EP300   RB1   d16q23</b>
TP   FP Specificity	2   4 0.9	2   2 0.95	2   1 0.97	3   4 0.9	3   4 0.9	3   2 0.95	4   4 0.9	5   4 0.9
FN   TN Precision	4   35 0.33	4   37 0.5	4   38 0.67	3   35 0.43	3   35 0.43	3   37 0.6	2   35 0.5	1   35 0.56
Recall	0.33	0.33	0.33	0.5	0.5	0.5	0.67	0.83

SKCM  
 id: 1018 name: ABT-888  
 target: PARP1, PARP2 class: Genome integrity

45 cell lines  
 7 sensitive

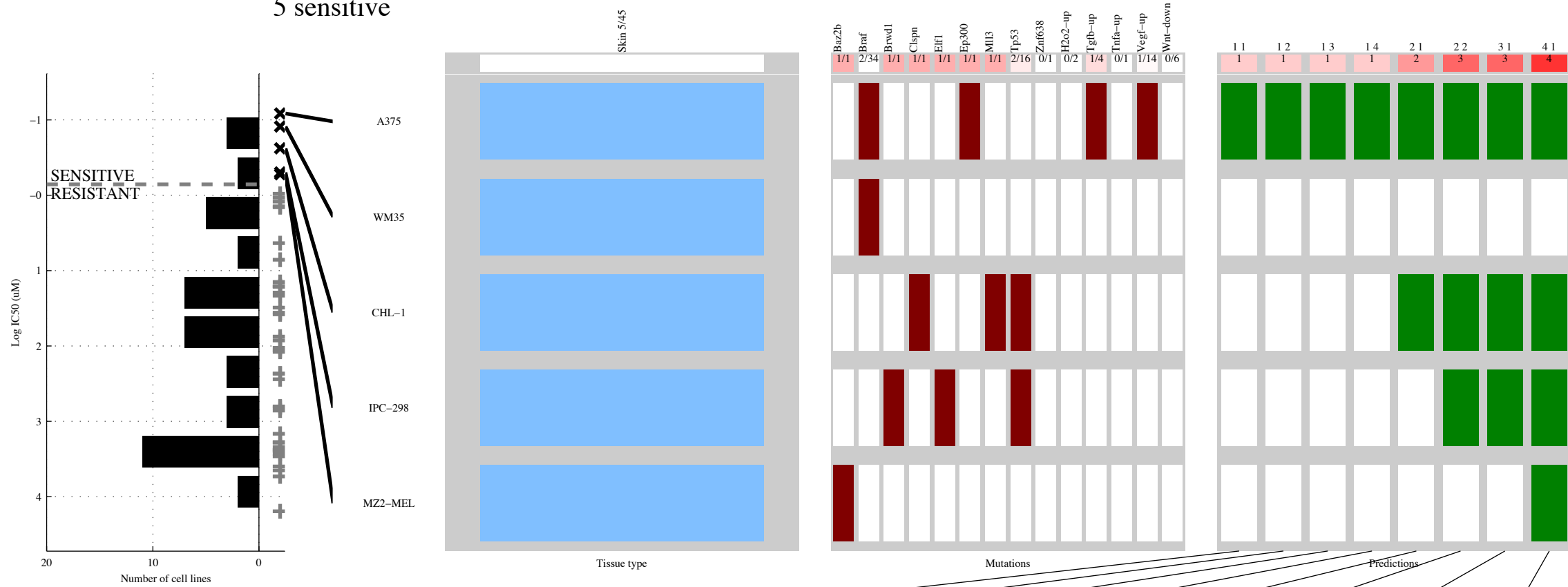


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d16q23</b>	<b>d16q23 &amp; ¬d10q26</b>	<b>¬NF1 &amp; d16q23 &amp; ¬d10q26</b>	<b>BRAF &amp; d(BNC2) &amp; ¬d10q26 &amp; VEGF-U</b>	<b>EP300   d16q23</b>	<b>[ d16q23 &amp; ¬d10q23 ]   [ EP300 &amp; ¬NF1 ]</b>	<b>EP300   d16q23   d19p12</b>	<b>EP300   RB1   SMARCA4 d16q23</b>
TP   FP Specificity	2   4 0.89	2   2 0.95	2   1 0.97	3   7 0.82	3   4 0.89	3   2 0.95	4   4 0.89	5   4 0.89
FN   TN Precision	5   34 0.33	5   36 0.5	5   37 0.67	4   31 0.3	4   34 0.43	4   36 0.6	3   34 0.5	2   34 0.56
Recall	0.29	0.29	0.29	0.43	0.43	0.43	0.57	0.71



SKCM  
 id: 1019 name: Bosutinib  
 target: SRC, ABL, TEC class: ABL signaling

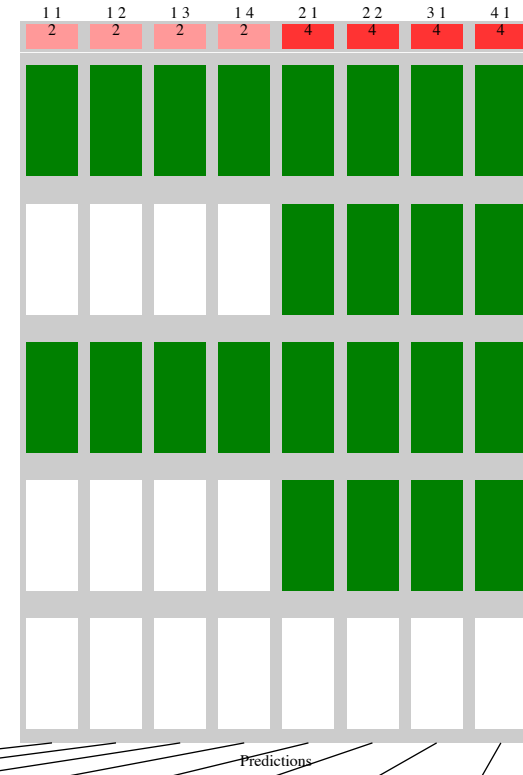
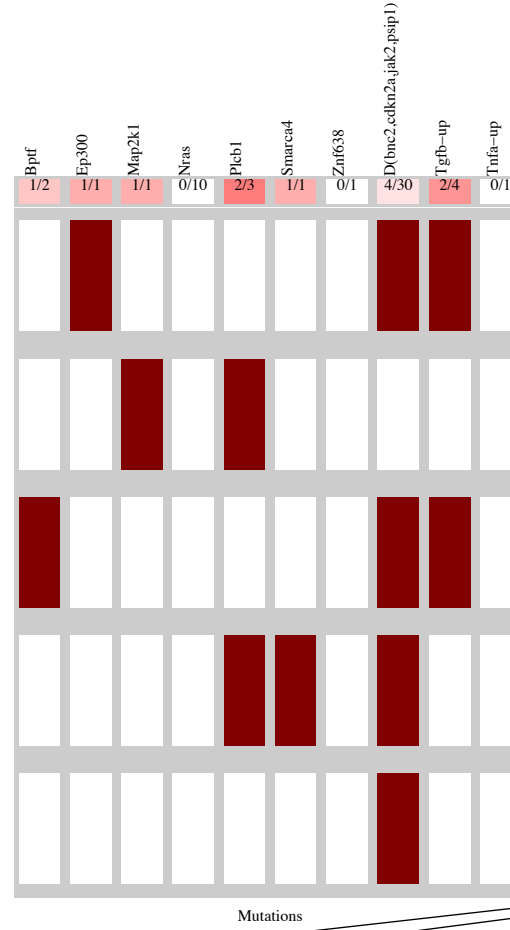
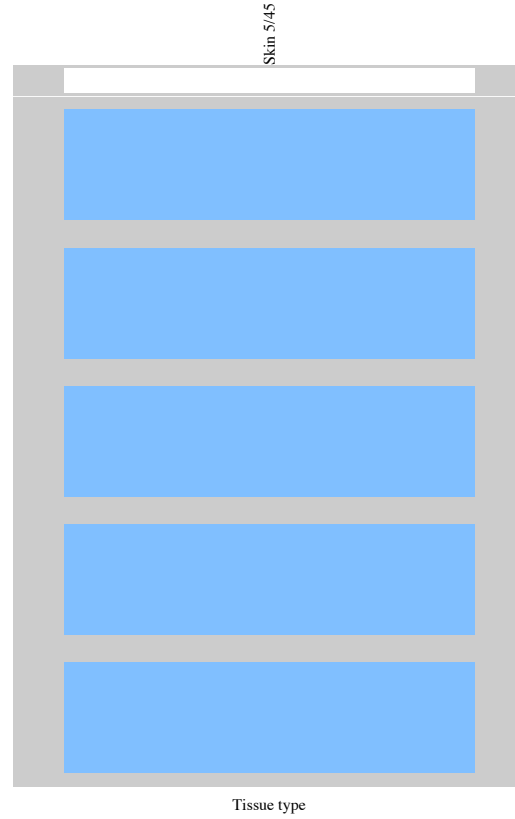
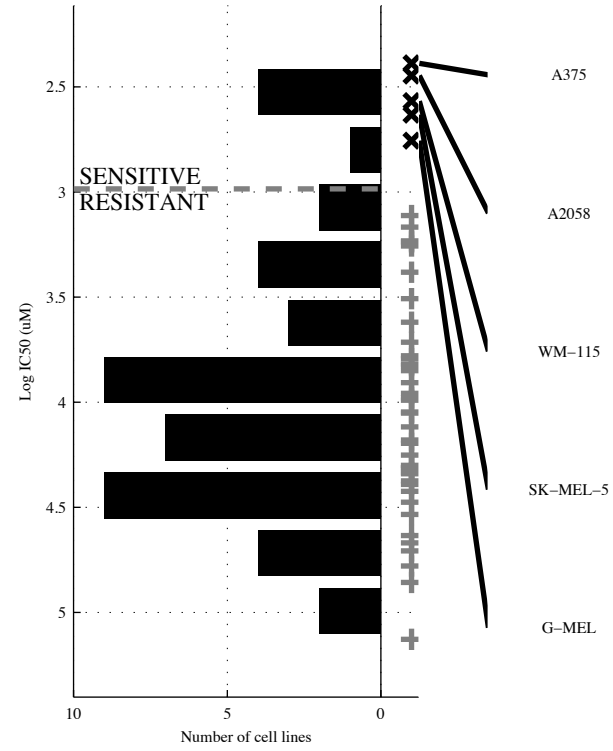
45 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>EP300</b>	<b>EP300 &amp; TNFa-U</b>	<b>-ZNF638 &amp; H2O2-U &amp; TGFB-U</b>	<b>-ZNF638 &amp; TGFB-U &amp; -TNFa-U &amp; Wnt-DO</b>	<b>CLSPN   EP300</b>	<b>[ EP300 &amp; VEGF-U ]   [ -BRAFF &amp; TP53 ]</b>	<b>BRWD1   CLSPN   EP300</b>	<b>BAZ2B   ELF1   EP300   MLL3</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{4} \mid \frac{0}{40}$ 1 1 0.2	$\frac{1}{4} \mid \frac{0}{40}$ 1 1 0.2	$\frac{1}{4} \mid \frac{0}{40}$ 1 1 0.2	$\frac{1}{4} \mid \frac{0}{40}$ 1 1 0.2	$\frac{2}{3} \mid \frac{0}{40}$ 1 1 0.4	$\frac{3}{2} \mid \frac{3}{37}$ 0.93 0.5 0.6	$\frac{3}{2} \mid \frac{0}{40}$ 1 1 0.6	$\frac{4}{1} \mid \frac{0}{40}$ 1 1 0.8

SKCM  
 id: 1020 name: Lenalidomide  
 target: TNFA class: other

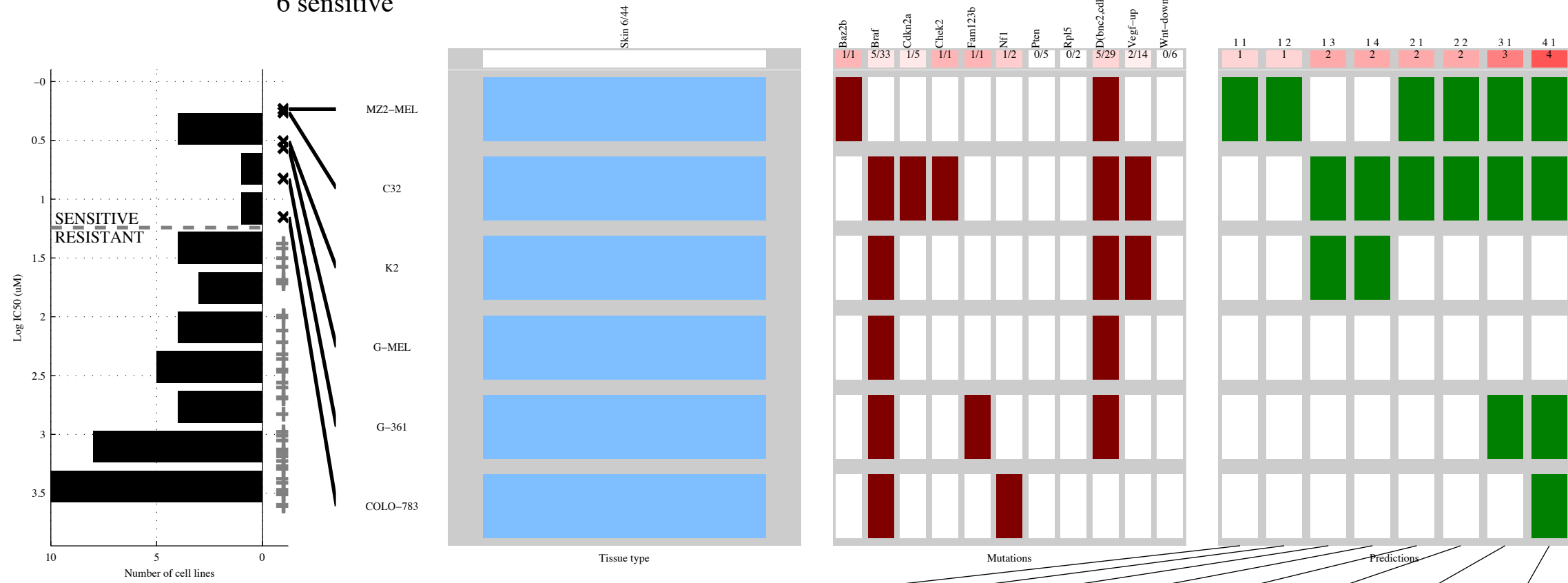
45 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>TGFB-U</b>	<b>d(BNC2&amp;TGFB-U)</b>	<b>-ZNF638&amp;TGFB-U&amp; -TNFa-U</b>	<b>-ZNF638&amp;TGFB-U&amp; -TNFa-U</b>	<b>PLCB1  TGFB-U</b>	<b>[ -NRAS&amp;PLCB1 ]   [ d(BNC2&amp;TGFB-U) ]</b>	<b>BPTF   EP300   PLCB1</b>	<b>BPTF   EP300   MAP2K1SMARCA</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{2}{3} \mid \frac{2}{38}$ 0.95 0.5 0.4	$\frac{2}{3} \mid \frac{0}{40}$ 1 1 0.4	$\frac{2}{3} \mid \frac{0}{40}$ 1 1 0.4	$\frac{2}{3} \mid \frac{0}{40}$ 1 1 0.4	$\frac{4}{1} \mid \frac{3}{37}$ 0.93 0.57 0.8	$\frac{4}{1} \mid \frac{0}{40}$ 1 1 0.8	$\frac{4}{1} \mid \frac{2}{38}$ 0.95 0.67 0.8	$\frac{4}{1} \mid \frac{1}{39}$ 0.97 0.8

SKCM  
 id: 1023 name: GW 441756  
 target: NTRK1 class: RTK signaling

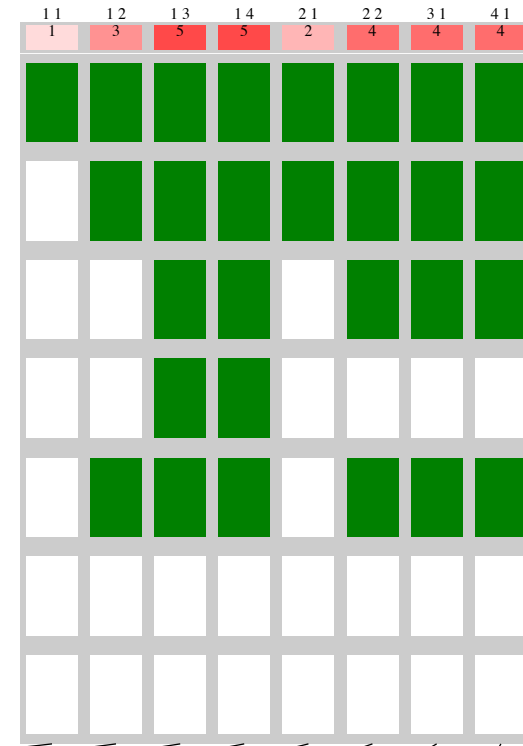
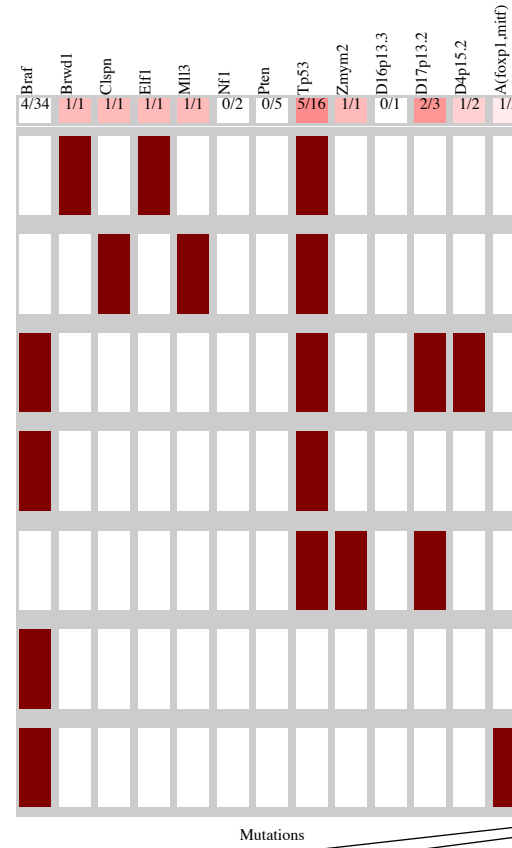
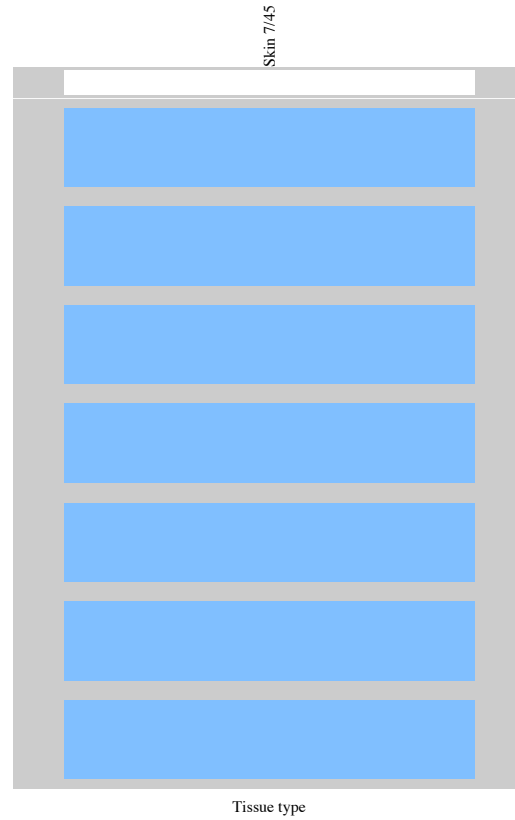
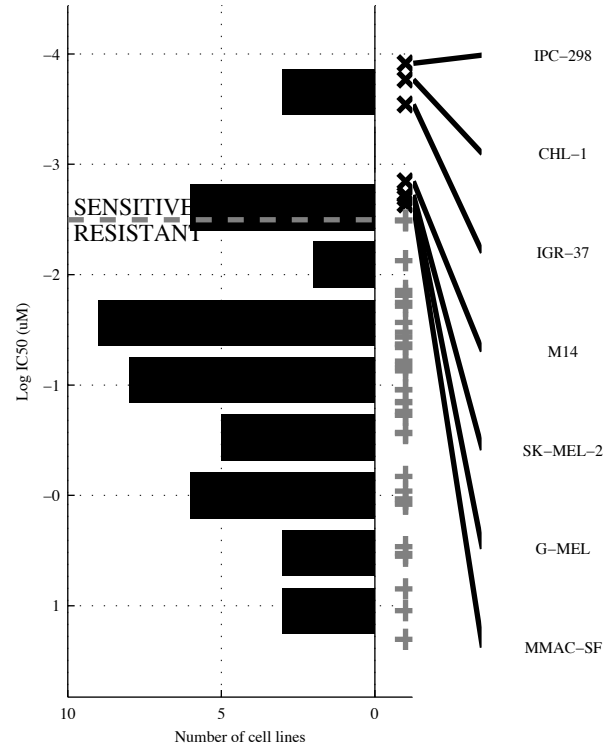
44 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>BAZ2B</b>	<b>BAZ2B &amp;</b>	<b>-PTEN &amp; VEGF- &amp;</b> <b>-Wnt-DO</b>	<b>-PTEN &amp; -RPL5 &amp;</b> <b>VEGF- &amp; Wnt-DO</b>	<b>BAZ2B   CHEK2</b>	<b>[ BRAF &amp; CDKN2A ]</b> <b> </b> <b>[ BAZ2B &amp; d(BNC2) ]</b>	<b>BAZ2B   CHEK2  </b> <b>FAM123</b>	<b>BAZ2B   CHEK2  </b> <b>FAM123   NF1</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{5} \mid \frac{0}{38}$ 1 1 0.17	$\frac{1}{5} \mid \frac{0}{38}$ 1 1 0.17	$\frac{2}{4} \mid \frac{6}{32}$ 0.84 0.25 0.33	$\frac{2}{4} \mid \frac{4}{34}$ 0.89 0.33 0.33	$\frac{2}{4} \mid \frac{0}{38}$ 1 1 0.33	$\frac{2}{4} \mid \frac{0}{38}$ 1 1 0.33	$\frac{3}{3} \mid \frac{0}{38}$ 1 1 0.5	$\frac{4}{2} \mid \frac{1}{37}$ 0.97 0.8 0.67

SKCM  
 id: 1024 name: CEP-701  
 target: FLT3, JAK2, NTRK1, RET class: RTK signaling

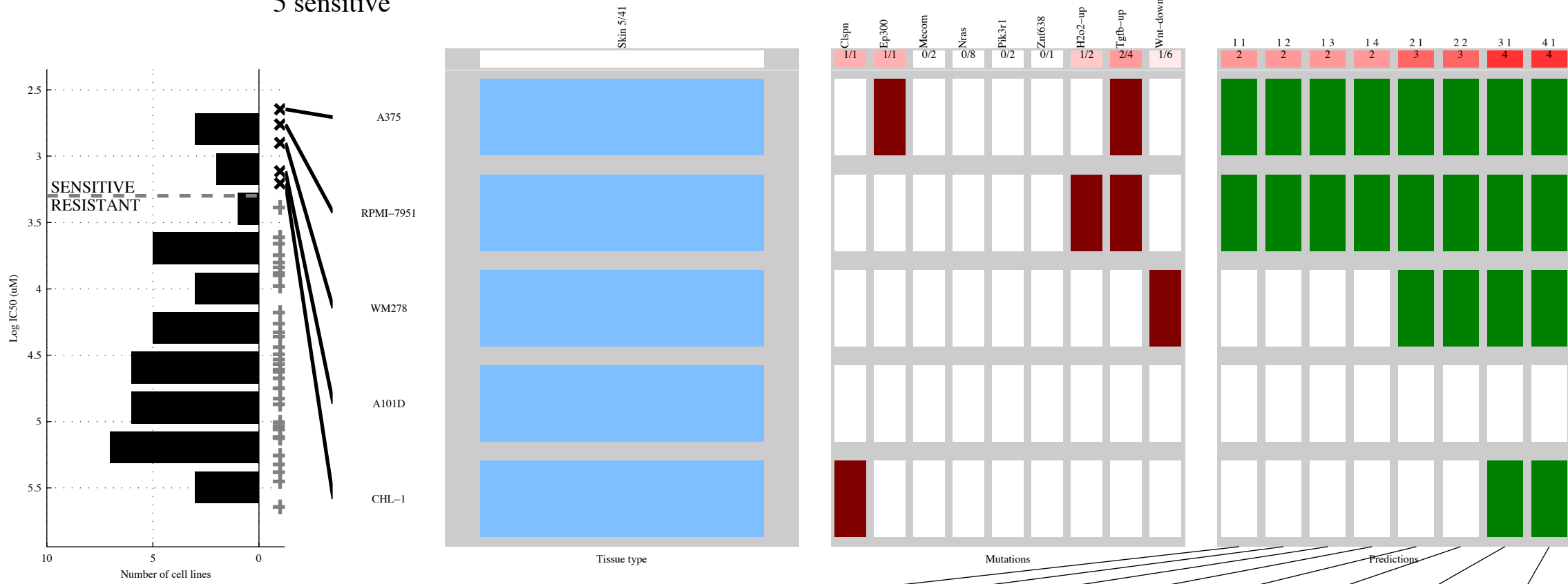
45 cell lines  
 7 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>ELF1</b>	<b>¬BRAF &amp; TP53</b>	<b>¬NF1 &amp; ¬PTEN &amp; TP53</b>	<b>¬NF1 &amp; ¬PTEN &amp; TP53 &amp; a(FOXP)</b>	<b>BRWD1   CLSPN</b>	<b>[¬d16p13 &amp; d4p15.]   [¬BRAF &amp; TP53]</b>	<b>BRWD1   MLL3   d17p13</b>	<b>BRWD1   MLL3   ZMYM2   d4p15.</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{6} \mid \frac{0}{38}$ 1 0.14	$\frac{3}{4} \mid \frac{2}{36}$ 0.95 0.6 0.43	$\frac{5}{2} \mid \frac{7}{31}$ 0.82 0.42 0.71	$\frac{5}{2} \mid \frac{4}{34}$ 0.89 0.56 0.71	$\frac{2}{5} \mid \frac{0}{38}$ 1 1 0.29	$\frac{4}{3} \mid \frac{2}{36}$ 0.95 0.67 0.57	$\frac{4}{3} \mid \frac{1}{37}$ 0.97 0.8 0.57	$\frac{4}{3} \mid \frac{1}{37}$ 0.97 0.8 0.57

SKCM  
 id: 1025 name: SB 216763  
 target: GSK3A, GSK3B class: WNT signaling

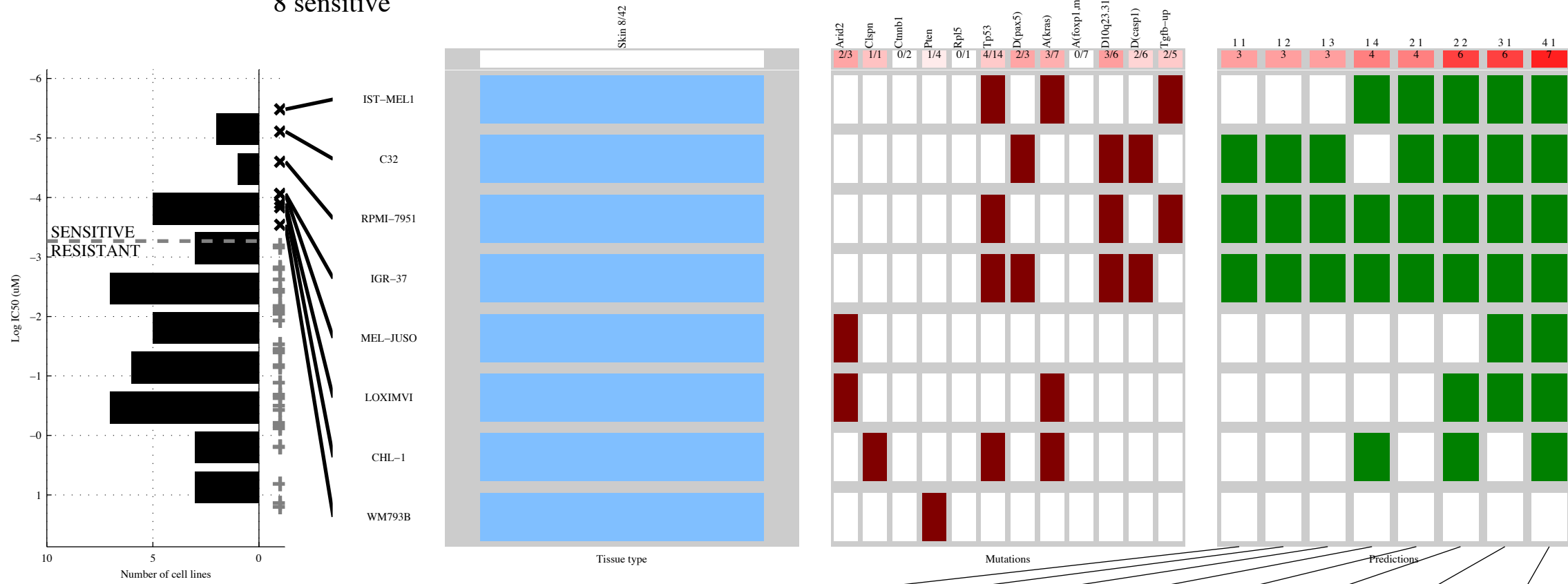
41 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>TGFB-U</b>	<b>~MECOM &amp; TGFB-U</b>	<b>~PIK3R1 &amp; ~ZNF638 &amp; TGFB-U</b>	<b>~PIK3R1 &amp; ~ZNF638 &amp; TGFB-U</b>	<b>TGFB-U   Wnt-DO</b>	<b>[~ZNF638 &amp; TGFB-U]   [~NRAS &amp; Wnt-DO]</b>	<b>CLSPN   TGFB-U   Wnt-DO</b>	<b>CLSPN   EP300   H2O2-U   Wnt-DO</b>
TP   FP	2   2	2   1	2   0	2   0	3   6	3   3	4   6	4   5
Specificity	0.94	0.97	1	1	0.83	0.92	0.83	0.86
FN   TN	3   34	3   35	3   36	3   36	2   30	2   33	1   30	1   31
Precision	0.5	0.67	1	1	0.33	0.5	0.4	0.44
Recall	0.4	0.4	0.4	0.4	0.6	0.6	0.8	0.8

SKCM  
 id: 1026 name: 17-AAG  
 target: HSP90 class: other

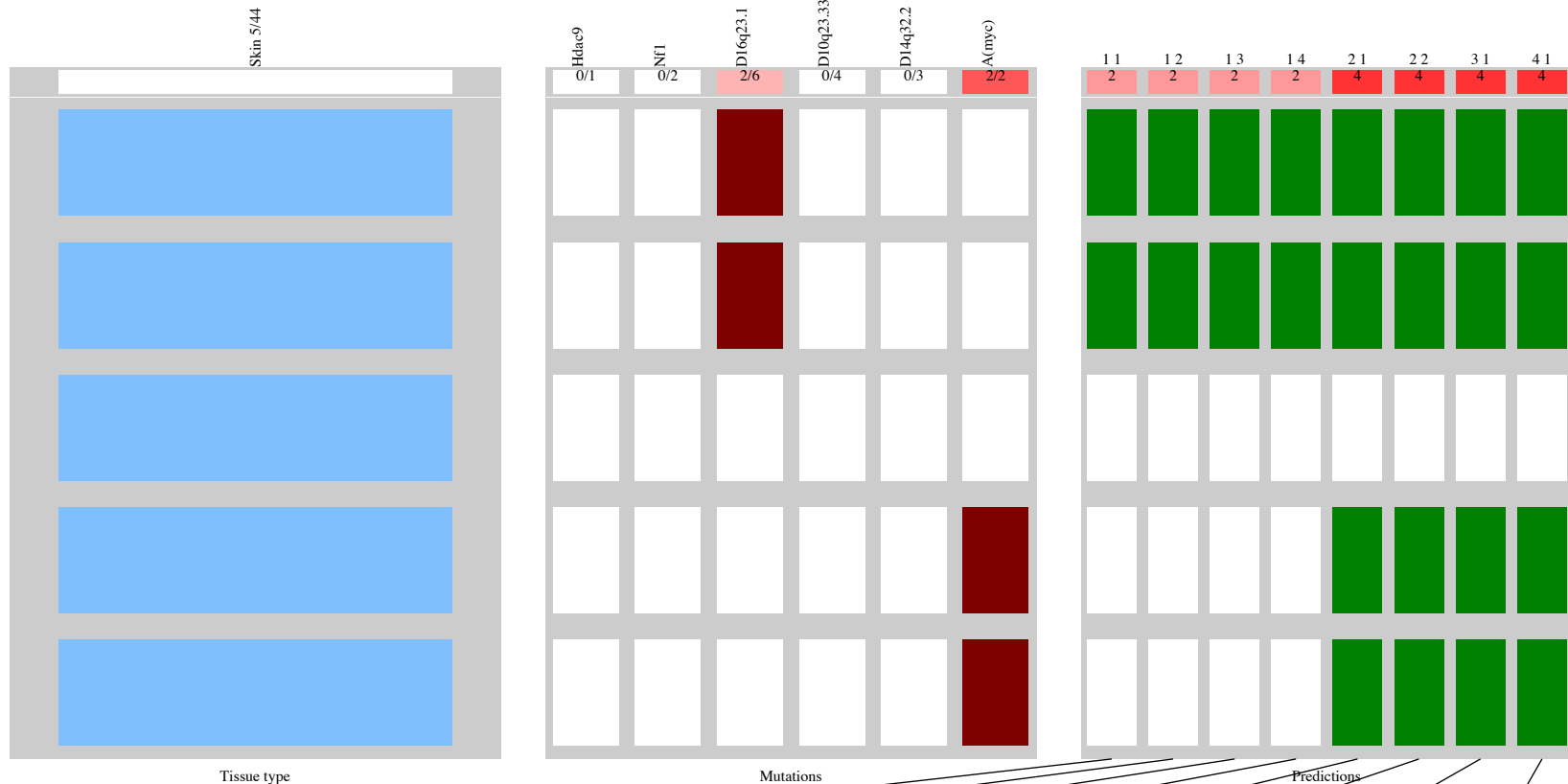
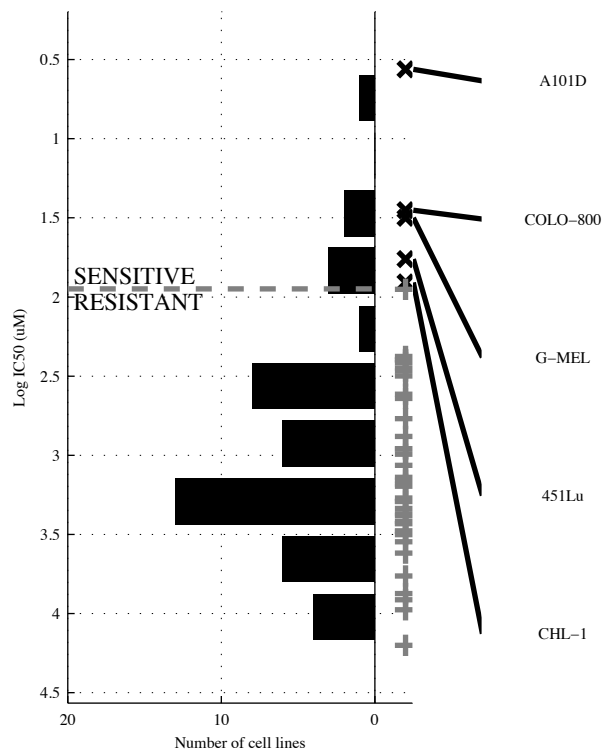
42 cell lines  
 8 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	M															
Logic formula	<b>d10q23</b>		<b>-RPL5 &amp; d10q23</b>		<b>-PTEN &amp; -RPL5 &amp; d10q23</b>		<b>-CTNNB &amp; -PTEN &amp; TP53 &amp; a(FOXP)</b>		<b>d(PAX5   TGFB-U</b>		<b>[ -RPL5 &amp; d10q23 ]   [ a(KRAS &amp; d(CASP)</b>		<b>ARID2   d(PAX5   TGFB-U</b>		<b>ARID2   CLSPN   d(PAX5   TGFB-U</b>	
TP   FP	3   3	0.91	3   2	0.94	3   1	0.97	4   4	0.88	4   4	0.88	6   4	0.88	6   5	0.85	7   5	0.85
FN   TN	5   31	0.5	5   32	0.6	5   33	0.75	4   30	0.5	4   30	0.5	2   30	0.6	2   29	0.55	1   29	0.58
Specificity	0.91		0.94		0.97		0.88		0.88		0.88		0.85		0.85	
Precision	0.5		0.6		0.75		0.5		0.5		0.6		0.55		0.58	
Recall	0.38		0.38		0.38		0.5		0.5		0.75		0.75		0.88	

SKCM  
 id: 1028 name: VX-702  
 target: p38 class: JNK and p38 signaling

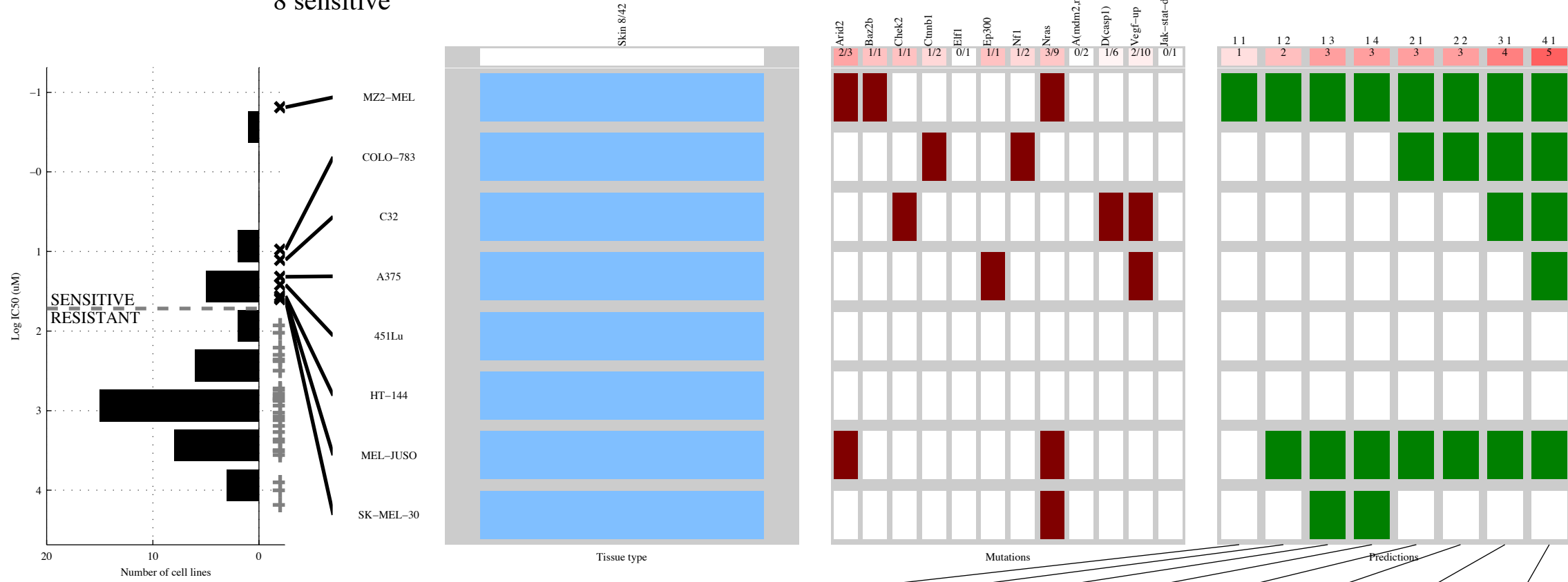
44 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d16q23</b>	<b>d16q23 &amp; ¬d14q32</b>	<b>¬NF1 &amp; d16q23 &amp; ¬d14q32</b>	<b>¬HDAC &amp; ¬NF1 &amp; d16q23 &amp; ¬d10q32</b>	<b>d16q23   a(MYC)</b>	<b>[ d16q23 &amp; ¬d14q32 ]   [ a(MYC) &amp; ]</b>	<b>d16q23   a(MYC)  </b>	<b>d16q23   a(MYC)  </b>
TP   FP Specificity	2   4 0.9	2   2 0.95	2   1 0.97	2   0 1	4   4 0.9	4   2 0.95	4   4 0.9	4   4 0.9
FN   TN Precision	3   35 0.33	3   37 0.5	3   38 0.67	3   39 1	1   35 0.5	1   37 0.67	1   35 0.5	1   35 0.5
Recall	0.4	0.4	0.4	0.4	0.8	0.8	0.8	0.8

SKCM  
 id: 1029 name: AMG-706  
 target: VEGFR, RET, c-KIT, PDGFR class: RTK signaling

42 cell lines  
 8 sensitive

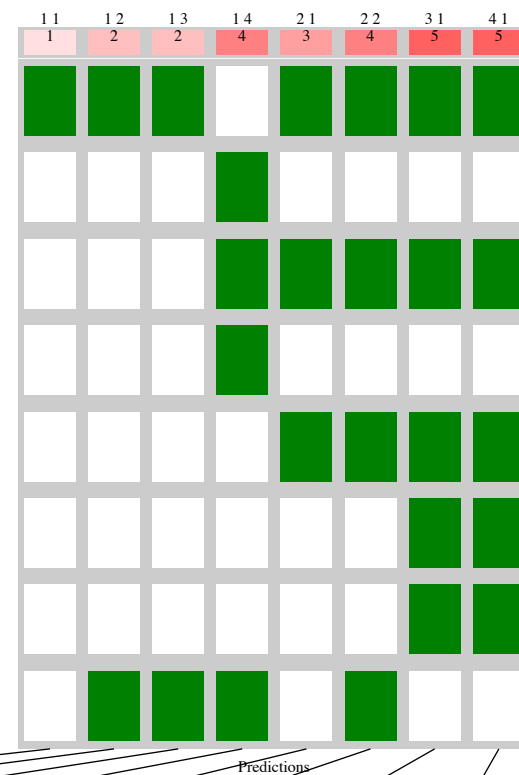
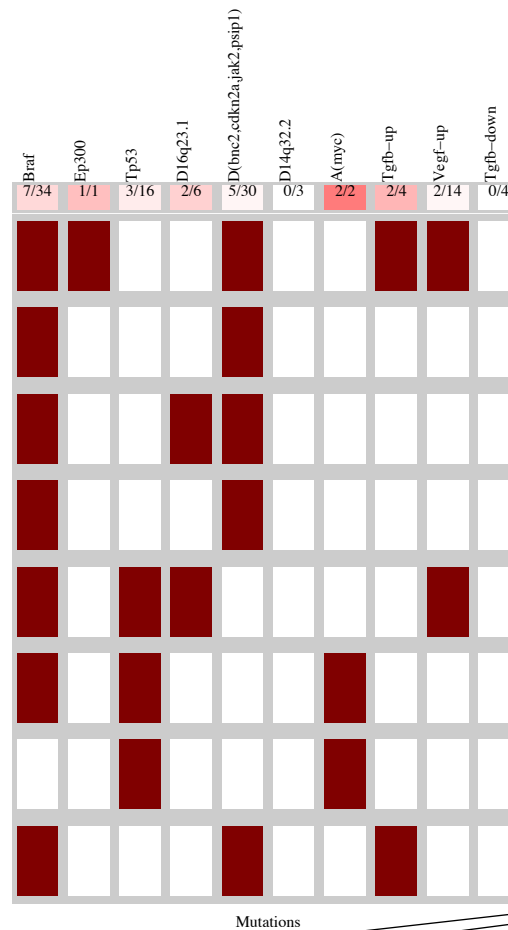
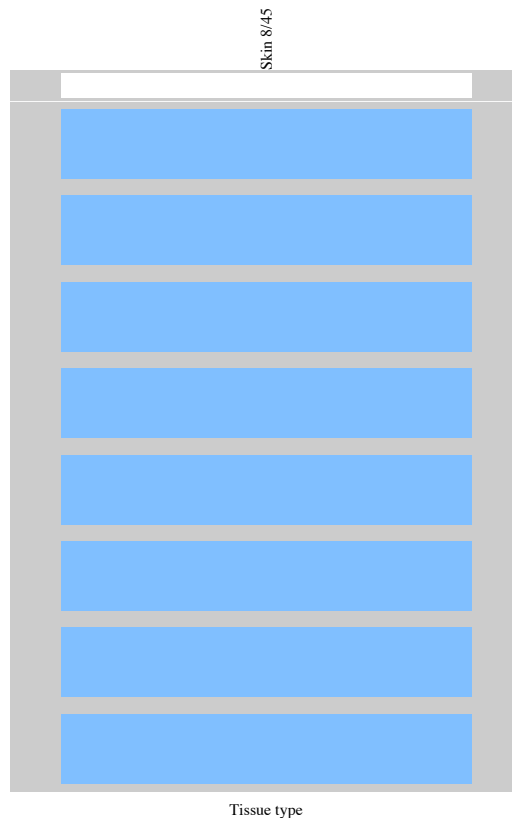
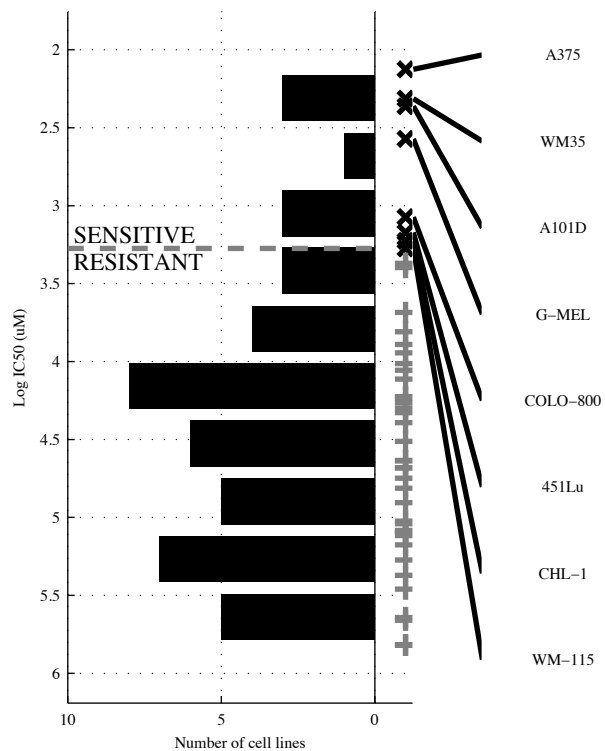


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>BAZ2B</b>	<b>ARID2 &amp; JAK-ST</b>	<b>NRAS &amp; d(CASR)</b> <b>-VEGF-U</b>	<b>-ELF1 &amp; NRAS &amp; d(CASR)</b> <b>-d(CASR) &amp; VEGF-U</b>	<b>ARID2   NF1</b>	<b>[CTNNB1 &amp; d(CASR)]</b> <b> </b> <b>[ ARID2 &amp; NRAS ]</b>	<b>ARID2   CHEK2   NF1</b>	<b>ARID2   CHEK2   EP300   NF1</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{7} \mid \frac{0}{34}$ 1 0.13	$\frac{2}{6} \mid \frac{0}{34}$ 1 0.25	$\frac{3}{5} \mid \frac{2}{32}$ 0.94 0.6 0.38	$\frac{3}{5} \mid \frac{1}{33}$ 0.97 0.75 0.38	$\frac{3}{5} \mid \frac{1}{33}$ 0.97 0.75 0.38	$\frac{3}{5} \mid \frac{0}{34}$ 1 1 0.38	$\frac{4}{4} \mid \frac{1}{33}$ 0.97 0.8 0.5	$\frac{5}{3} \mid \frac{1}{33}$ 0.97 0.83 0.63



SKCM  
 id: 1033 name: Vismodegib  
 target: SMO class: other

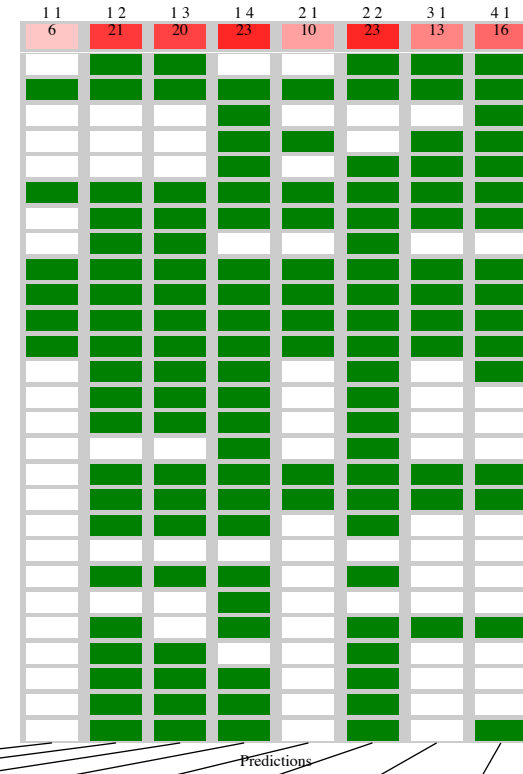
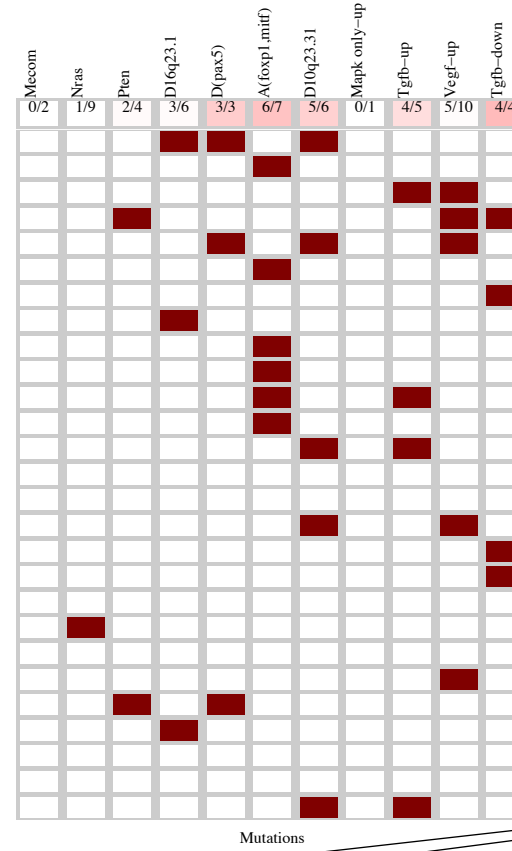
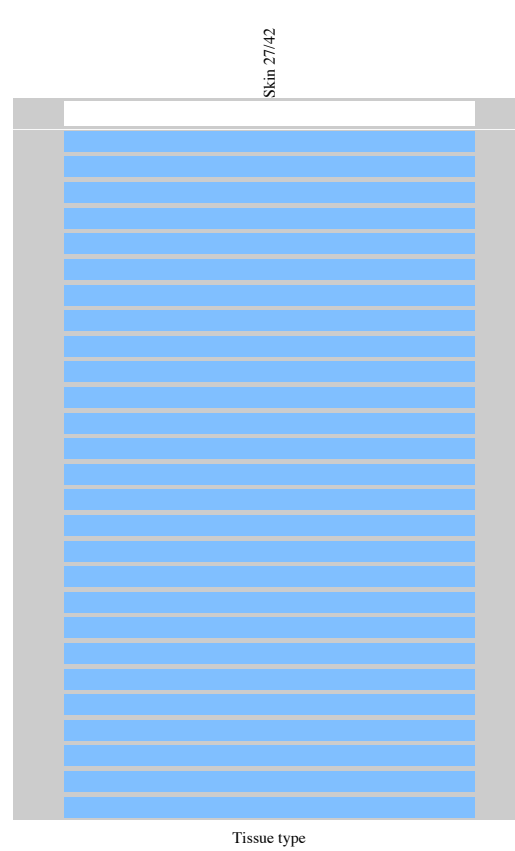
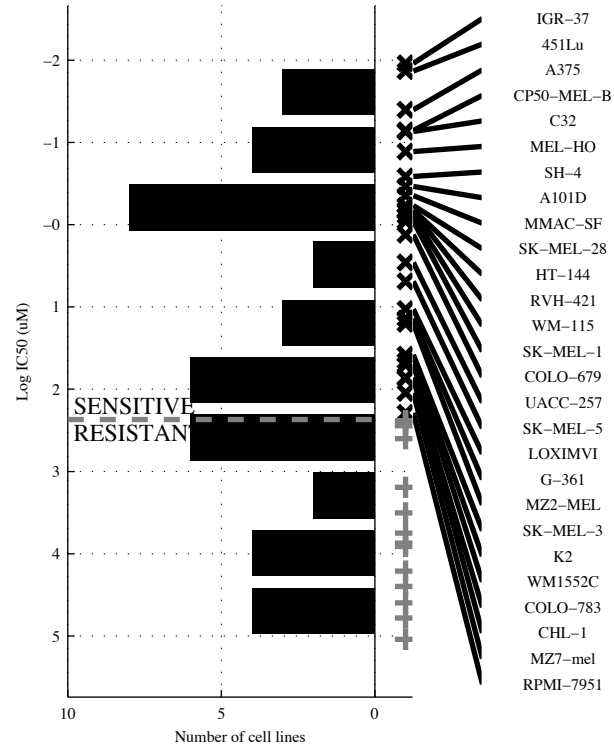
45 cell lines  
 8 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>EP300</b>	<b>d(BNC2&amp;TGFB-U)</b>	<b>BRAF &amp; -TP53 &amp; TGFB-U</b>	<b>BRAF &amp; -TP53 &amp; -VEGF &amp; TGFB-D</b>	<b>EP300   d16q23</b>	<b>[ d16q23 &amp; -d14q32 ]   [ d(BNC2 &amp; TGFB-U) ]</b>	<b>EP300   d16q23   a(MYC)</b>	<b>EP300   d16q23   a(MYC)  </b>
TP   FP	1   0	2   0	2   0	4   7	3   4	4   2	5   4	5   4
FN   TN	7   37	6   37	6   37	4   30	5   33	4   35	3   33	3   33
Specificity	1	1	1	0.81	0.89	0.95	0.89	0.89
Precision	1	1	1	0.36	0.43	0.67	0.56	0.56
Recall	0.13	0.25	0.25	0.5	0.38	0.5	0.63	0.63

SKCM  
 id: 1036 name: PLX4720  
 target: BRAF class: ERK MAPK signaling

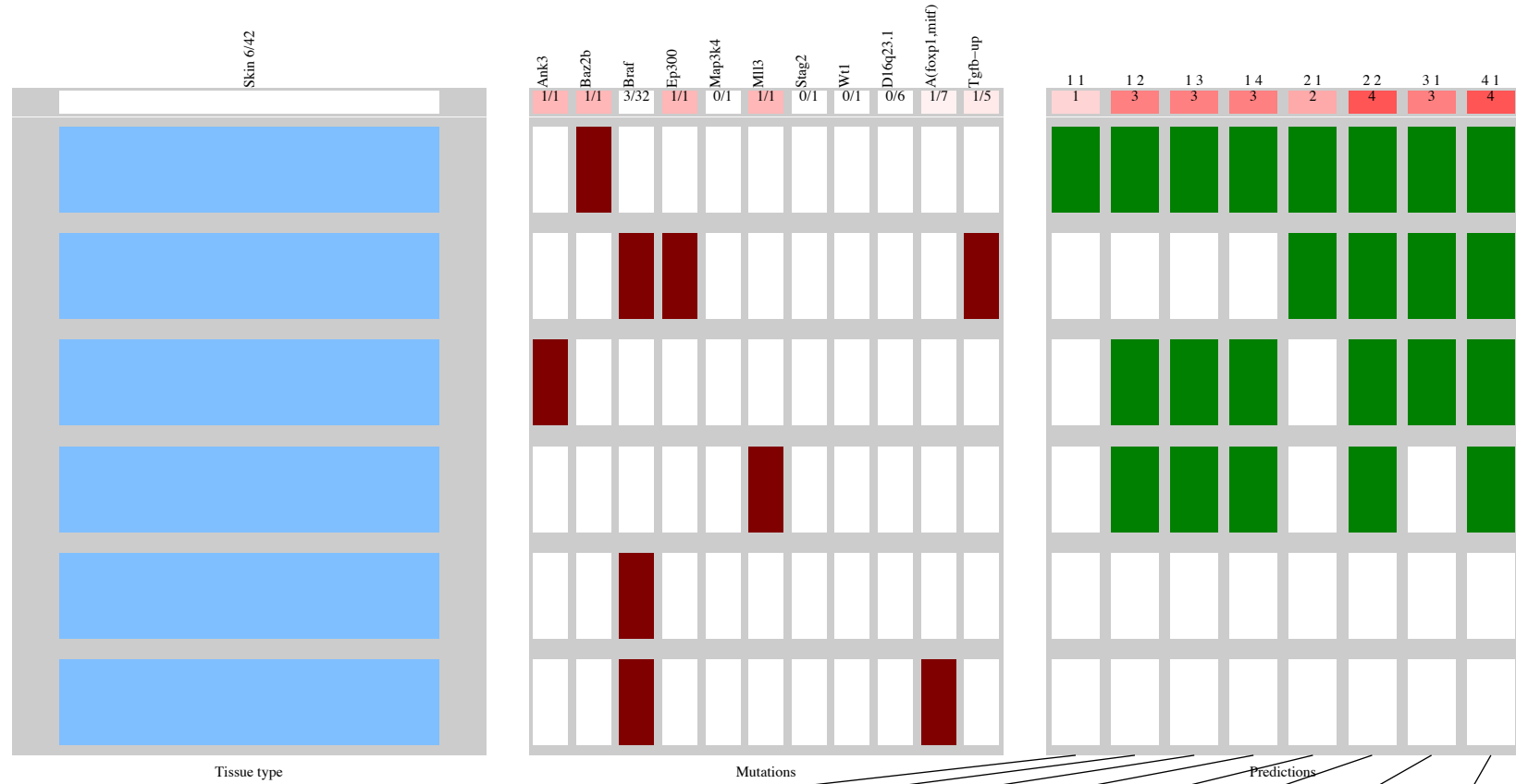
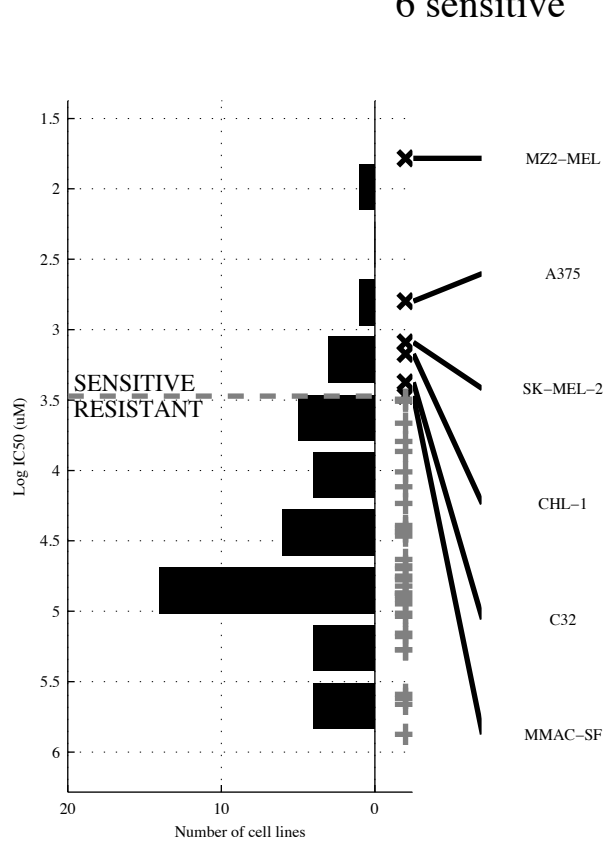
42 cell lines  
 27 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a(FOXP)</b>	<b>-NRAS &amp; VEGF-U</b>	<b>-NRAS &amp; -PTEN &amp; -VEGF-U</b>	<b>-MECOM &amp; -NRAS &amp; -d16q23.1 &amp; MAPK o</b>	<b>a(FOXP   TGFB-D)</b>	<b>[ -PTEN &amp; d10q23 ]   [ -NRAS &amp; VEGF-U ]</b>	<b>d(PAX5   a(FOXP   TGFB-D)</b>	<b>d(PAX5   a(FOXP   TGFB-U   TGFB-D)</b>
TP   FP	6   1	21   3	20   2	23   3	10   1	23   3	13   1	16   2
Specificity	0.93	0.8	0.87	0.8	0.93	0.8	0.93	0.87
FN   TN	21   14	6   12	7   13	4   12	17   14	4   12	14   14	11   13
Precision	0.86	0.88	0.91	0.88	0.91	0.88	0.93	0.89
Recall	0.22	0.78	0.74	0.85	0.37	0.85	0.48	0.59

SKCM  
id: 1043 name: JNK Inhibitor VIII  
target: JNK class: JNK and p38 signaling

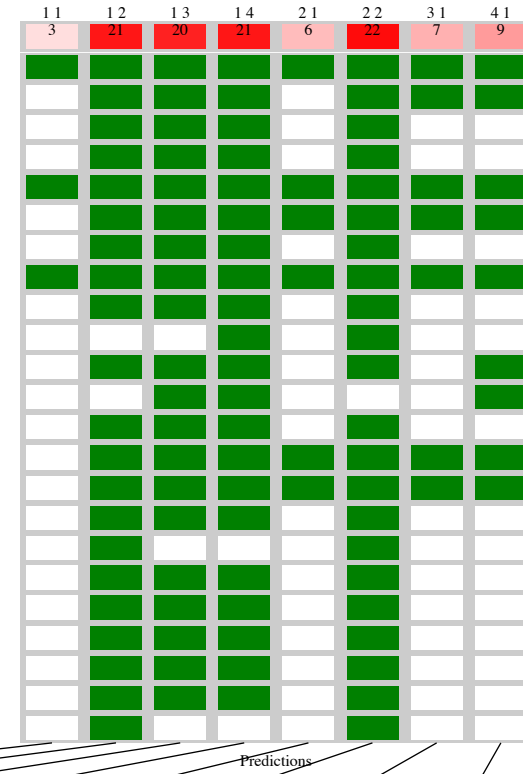
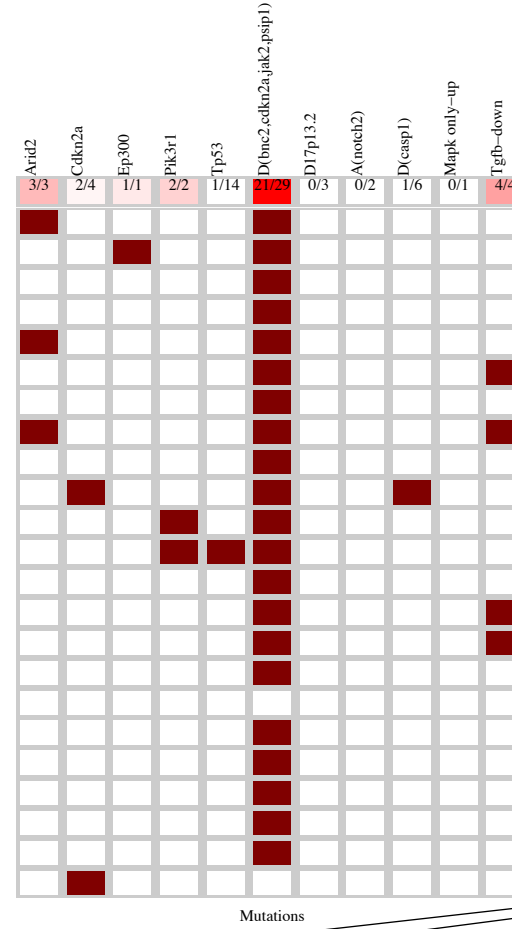
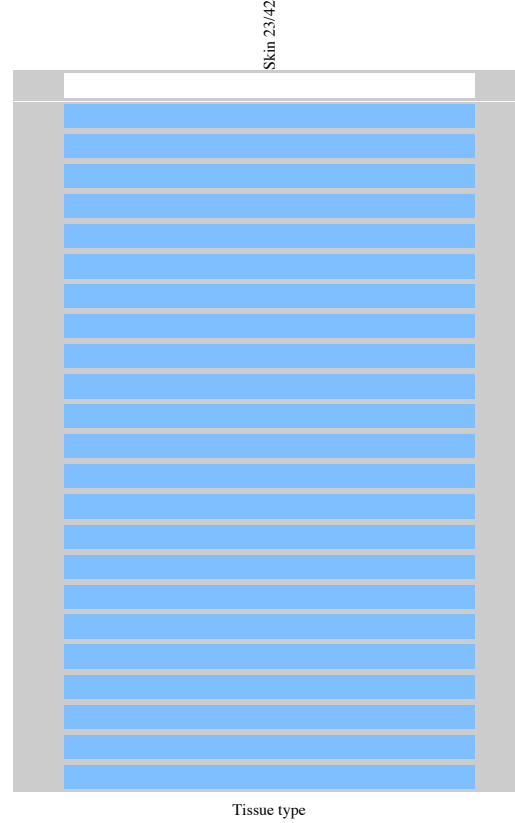
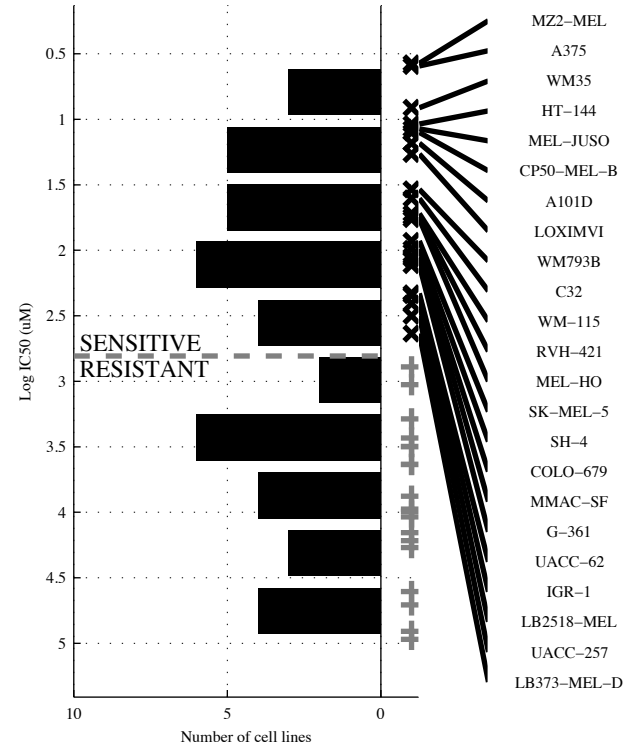
42 cell lines  
6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>BAZ2B</b>	<b>¬BRAFF &amp; ¬WT1</b>	<b>¬BRAFF &amp; ¬WT1 &amp; ¬a(FOXP</b>	<b>¬BRAFF &amp; MAP3K &amp; ¬WT1 &amp; ¬d16q23</b>	<b>BAZ2B   EP300</b>	<b>[ EP300 &amp; TGFβ-U ]   [ ¬BRAFF &amp; ¬STAG2 ]</b>	<b>ANK3   BAZ2B   EP300</b>	<b>ANK3   BAZ2B   EP300   MLL3</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{5} \mid \frac{0}{36}$ 1 0.17	$\frac{3}{3} \mid \frac{6}{30}$ 0.83 0.33 0.5	$\frac{3}{3} \mid \frac{5}{31}$ 0.86 0.38 0.5	$\frac{3}{3} \mid \frac{4}{32}$ 0.89 0.43 0.5	$\frac{2}{4} \mid \frac{0}{36}$ 1 0.33	$\frac{4}{2} \mid \frac{6}{30}$ 0.83 0.4 0.67	$\frac{3}{3} \mid \frac{0}{36}$ 1 0.5	$\frac{4}{2} \mid \frac{0}{36}$ 1 0.67

SKCM  
 id: 1047 name: Nutlin-3a  
 target: MDM2 class: p53 pathway

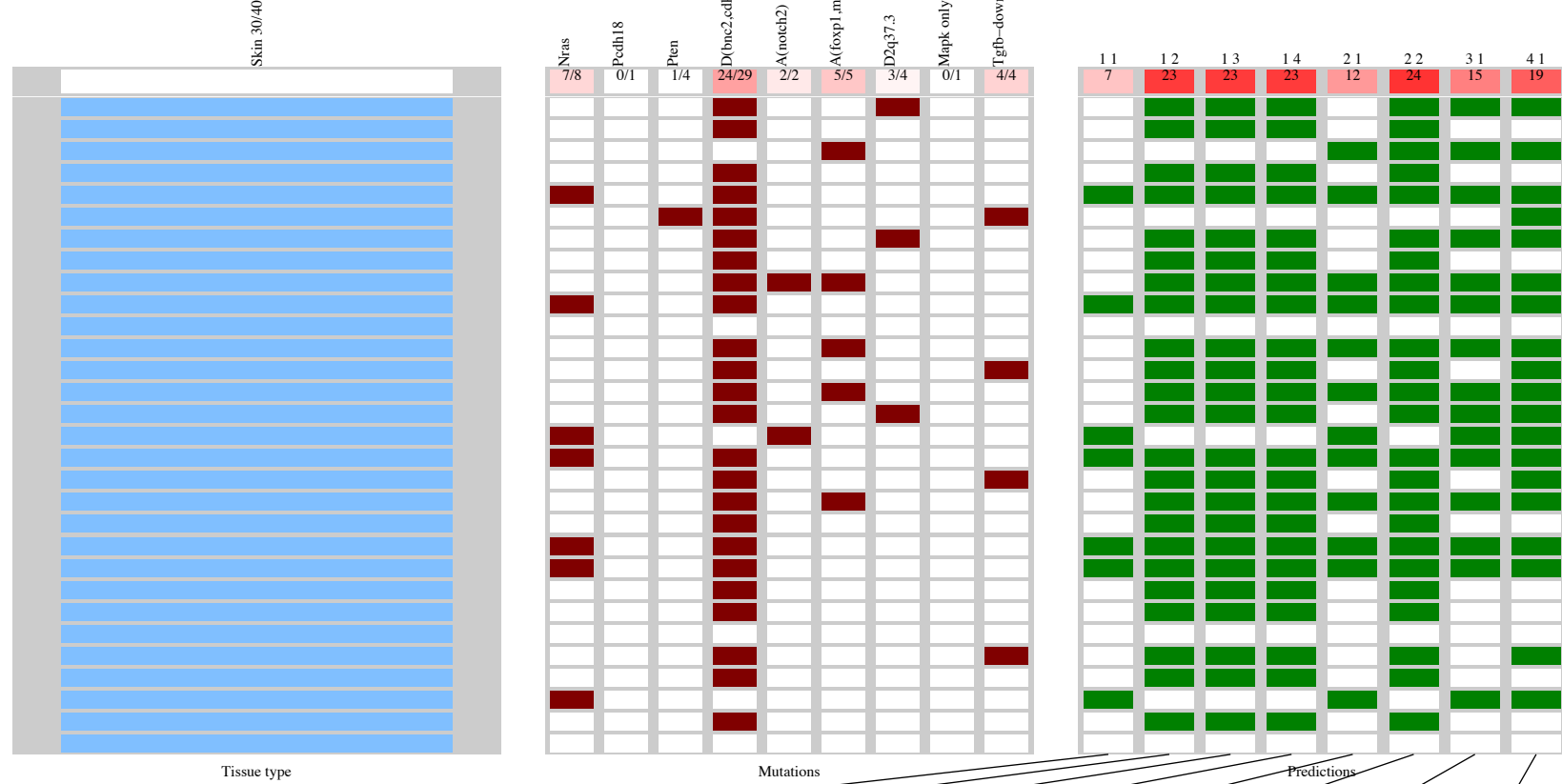
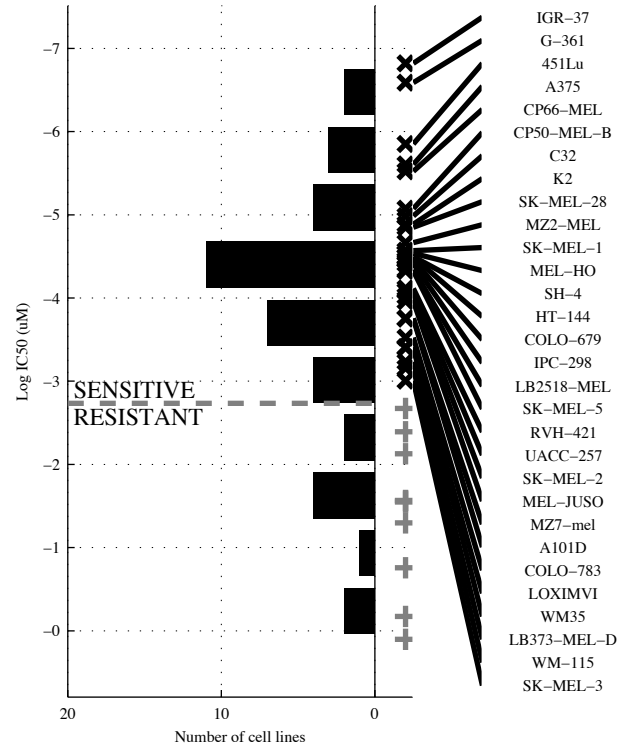
42 cell lines  
 23 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	ARID2	<b>-TP53 &amp; d(CASP)</b>	<b>d(BNC2 &amp; a(NOT &amp;</b>	<b>d(BNC2 &amp; d17p13 &amp;</b>	<b>ARID2   TGFB-D</b>	<b>[ -TP53 &amp; d(CASP)  </b>	<b>ARID2   EP300  </b>	<b>ARID2   EP300  </b>
			<b>d(CASP)</b>	<b>a(NOT &amp; MAPK o</b>		<b>[ CDKN2A &amp; d(BNC2) ]</b>	<b>TGFB-D</b>	<b>PIK3R1   TGFB-D</b>
TP   FP Specificity	3   0	21   3	20   3	21   3	6   0	22   3	7   0	9   0
FN   TN Precision	20   19	2   16	3   16	2   16	17   19	1   16	16   19	14   19
Recall	0.13	0.84	0.84	0.84	0.26	0.84	0.3	0.39
		0.88	0.87	0.88		0.88		1
		0.91	0.87	0.91		0.96		0.39

SKCM  
 id: 1060 name: PD-0325901  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

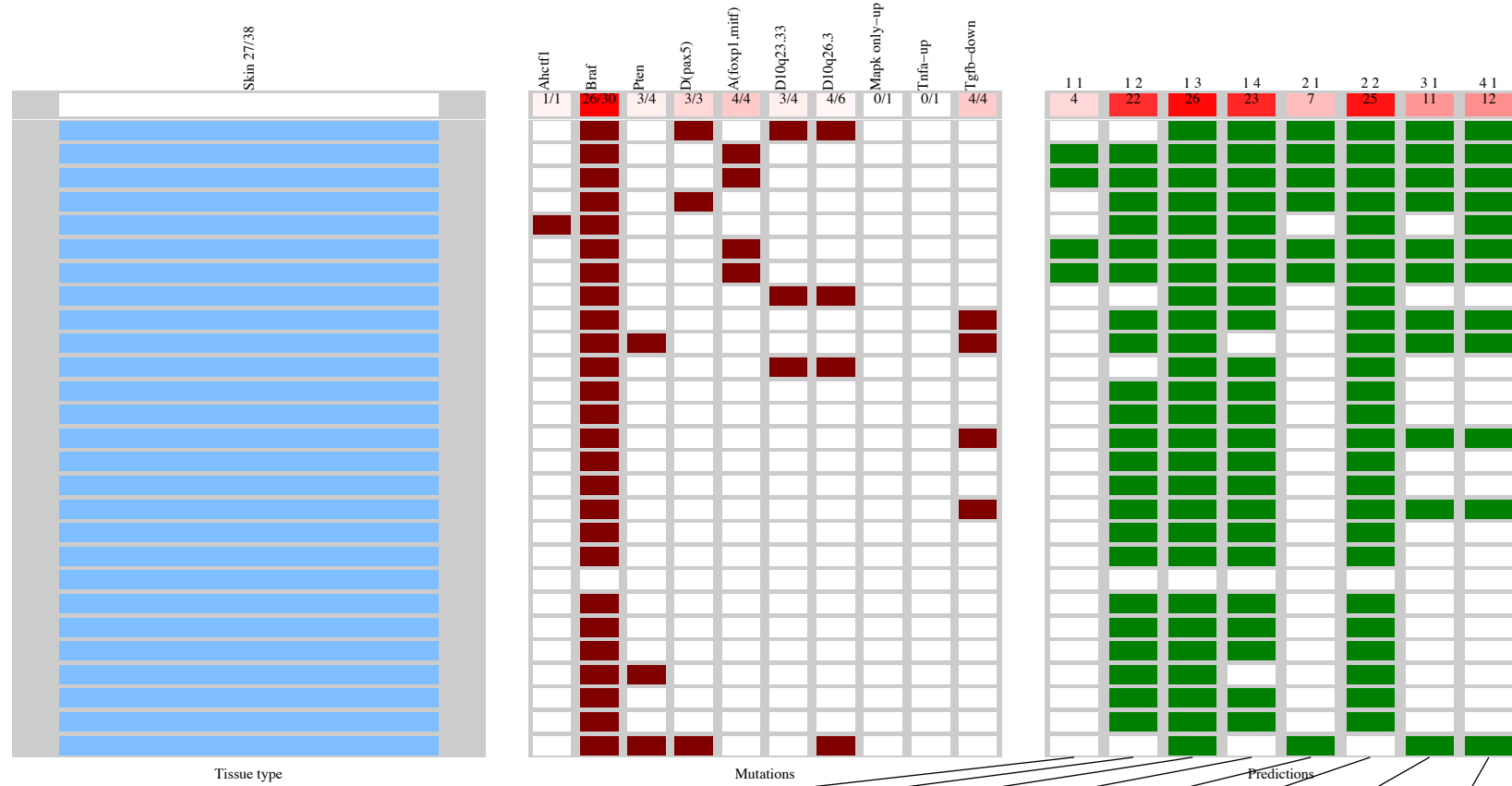
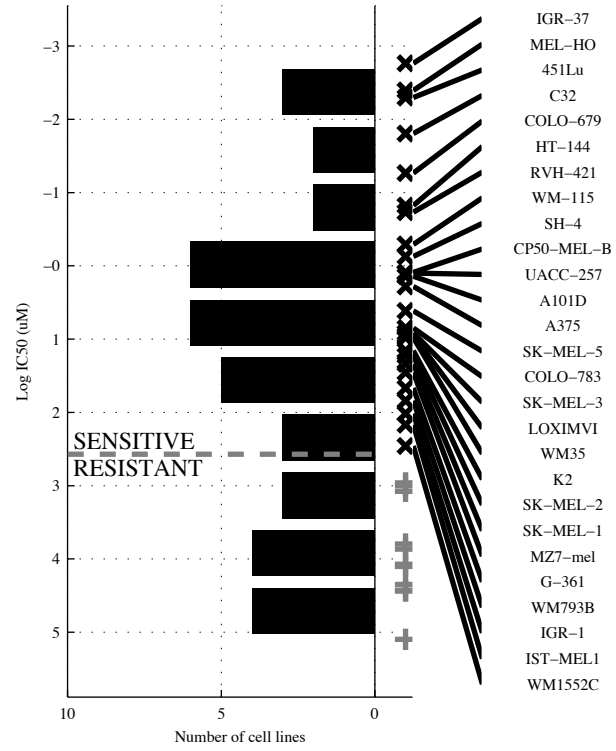
40 cell lines  
 30 sensitive



Model name	11	12	13	14	21	22	31	41
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>NRAS</b>	<b>-PTEN &amp; d(BNC2)</b>	<b>-PCDH1 &amp; -PTEN &amp; d(BNC2)</b>	<b>-PCDH1 &amp; -PTEN &amp; d(BNC2) &amp; MAPK o</b>	<b>NRAS   a(FOXP)</b>	<b>[ -a(NOTC) &amp; a(FOXP) ]   [ -PTEN &amp; d(BNC2) ]</b>	<b>NRAS   a(FOXP)   d2q37.</b>	<b>NRAS   a(FOXP)   d2q37.   ITGFB-D</b>
TP   FP	7   1	23   2	23   1	23   0	12   1	24   2	15   2	19   2
Specificity	0.9	0.8	0.9	1	0.9	0.8	0.8	0.8
FN   TN	23   9	7   8	7   9	7   10	18   9	6   8	15   8	11   8
Precision	0.88	0.92	0.96	1	0.92	0.92	0.88	0.9
Recall	0.23	0.77	0.77	0.77	0.4	0.8	0.5	0.63

SKCM  
 id: 1061 name: SB590885  
 target: BRAF class: ERK MAPK signaling

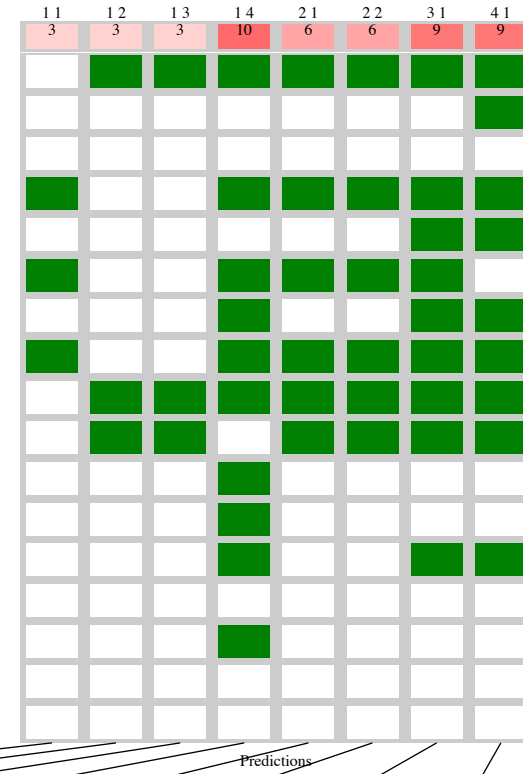
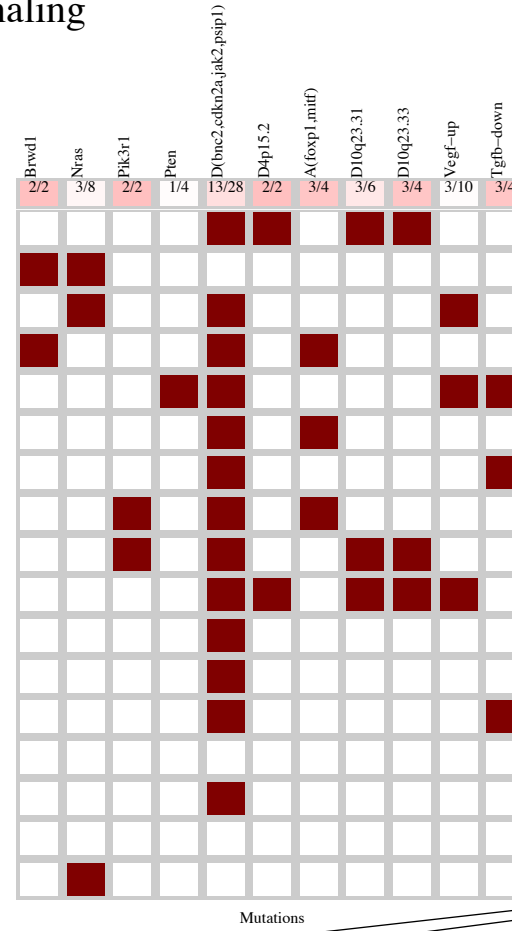
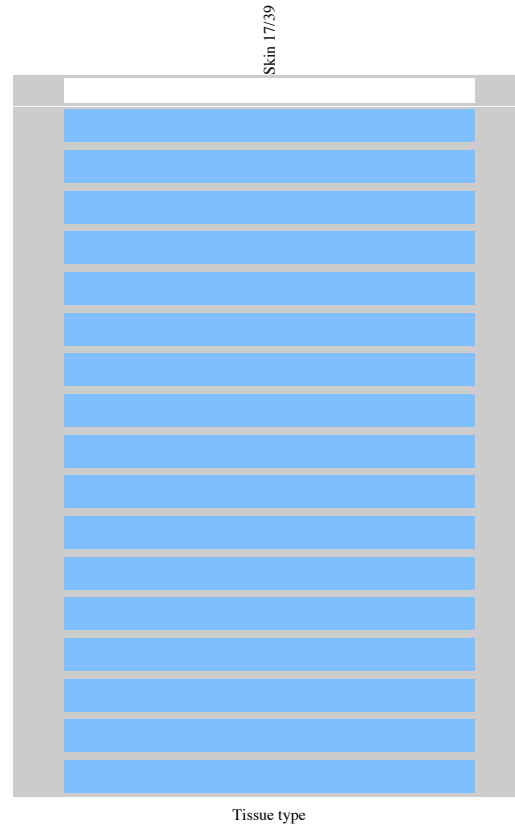
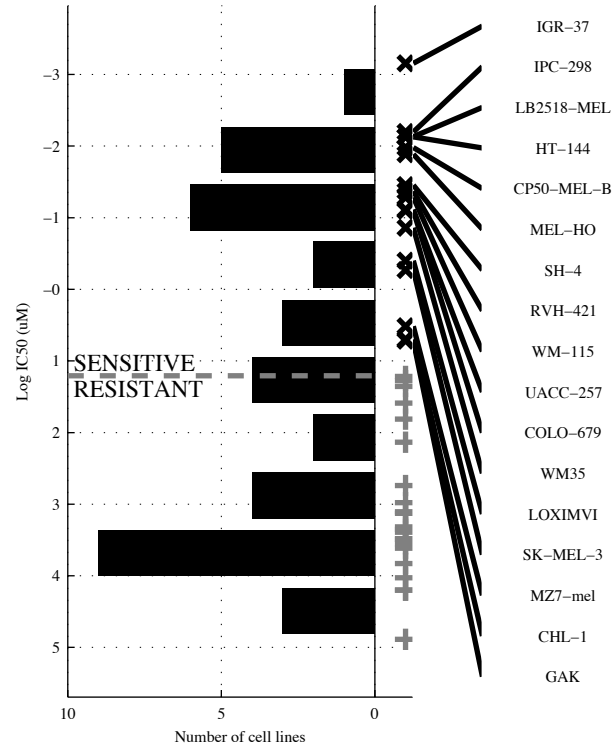
38 cell lines  
 27 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	a(FOXP)	BRAF & -d10q26	BRAF & MAPK & -TNFa-U	BRAF & -PTEN & -MAPK & TNFa-U	d(PAX5   a(FOXP	[ BRAF & -d10q26 ]   [ -PTEN & d10q23 ]	d(PAX5   a(FOXP   TGFB-D	AHCTF1   d(PAX5   a(FOXP   TGFB-D
TP   FP	4   0	22   2	26   2	23   1	7   0	25   2	11   0	12   0
Specificity	1	0.82	0.82	0.91	1	0.82	1	1
FN   TN	23   11	5   9	1   9	4   10	20   11	2   9	16   11	15   11
Precision	1	0.92	0.93	0.96	1	0.93	1	1
Recall	0.15	0.81	0.96	0.85	0.26	0.93	0.41	0.44

SKCM  
 id: 1062 name: AZD6244  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

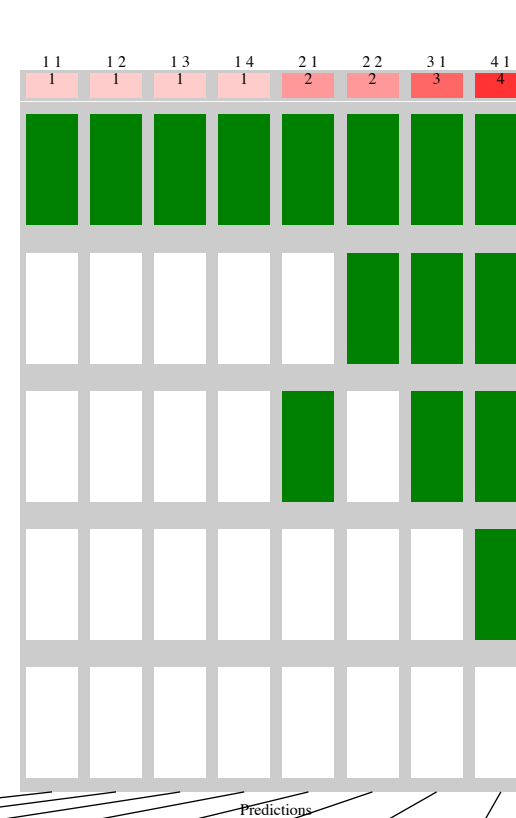
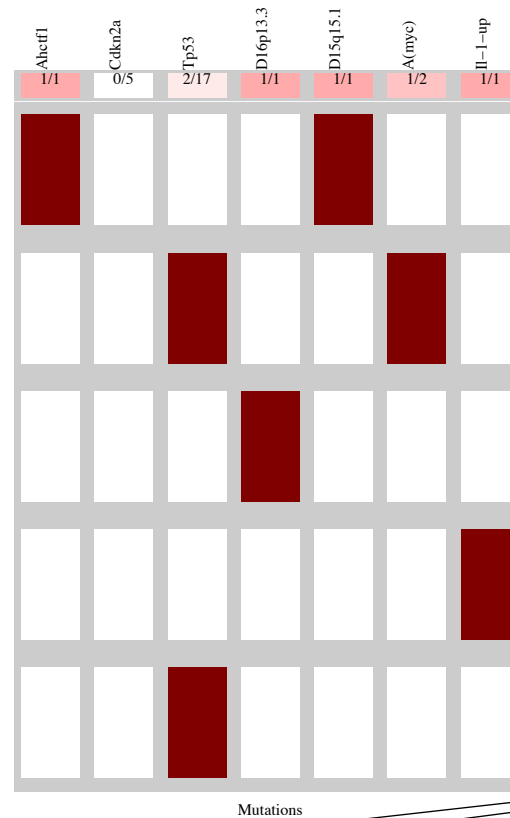
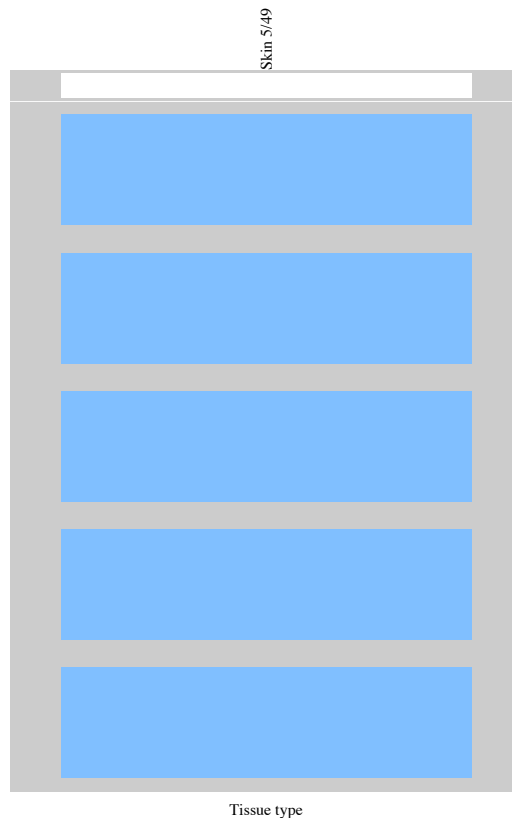
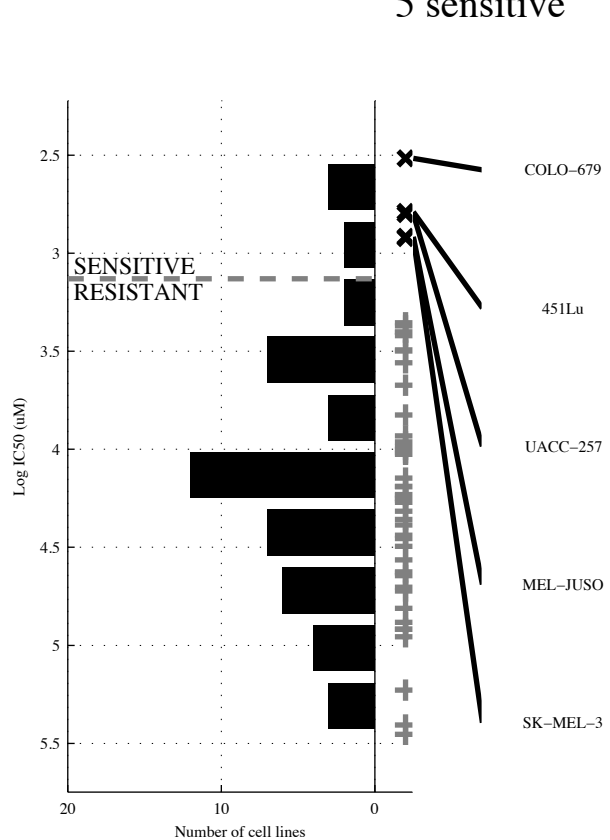
39 cell lines  
 17 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a(FOXP)</b>	<b>¬PTEN &amp; d10q23</b>	<b>¬PTEN &amp; d10q23 &amp; d10q23</b>	<b>¬NRAS &amp; ¬PTEN &amp; d(BNC2 &amp; VEGF-U)</b>	<b>a(FOXP   d10q23</b>	<b>[ d(BNC2 &amp; a(FOXP)   [ ¬PTEN &amp; d10q23 ]</b>	<b>a(FOXP   d10q23   TGFB-D</b>	<b>BRWD1   PIK3R1   d4p15. ITGFB-D</b>
TP   FP	3   1	3   0	3   0	10   4	6   2	6   0	9   3	9   1
Specificity	0.95	1	1	0.82	0.91	1	0.86	0.95
FN   TN	14   21	14   22	14   22	7   18	11   20	11   22	8   19	8   21
Precision	0.75	1	1	0.71	0.75	1	0.75	0.9
Recall	0.18	0.18	0.18	0.59	0.35	0.35	0.53	0.53

SKCM  
 id: 1067 name: CCT007093  
 target: PPM1D class: other

49 cell lines  
 5 sensitive

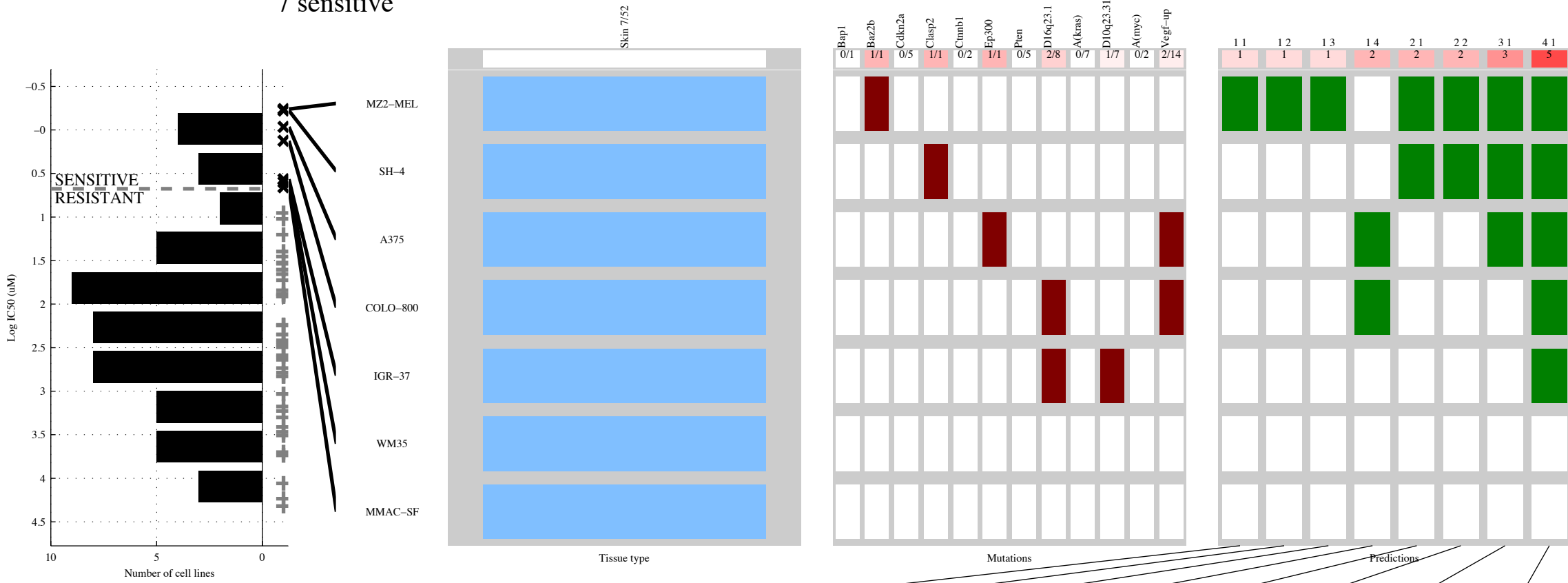


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d15q15</b>	<b>AHCTF &amp;</b>	<b>AHCTF &amp; &amp;</b>	<b>AHCTF &amp; &amp;</b>	<b>d16p13   d15q15</b>	<b>[ -TP53 &amp; d15q15 ]   [CDKN2 &amp; a(MYC)]</b>	<b>d16p13   d15q15   a(MYC)</b>	<b>d16p13   d15q15   a(MYC)   IL-1-U</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{4} \mid \frac{0}{44}$ 1 0.2	$\frac{1}{4} \mid \frac{0}{44}$ 1 0.2	$\frac{1}{4} \mid \frac{0}{44}$ 1 0.2	$\frac{1}{4} \mid \frac{0}{44}$ 1 0.2	$\frac{2}{3} \mid \frac{0}{44}$ 1 0.4	$\frac{2}{3} \mid \frac{0}{44}$ 1 0.4	$\frac{3}{2} \mid \frac{1}{43}$ 0.98 0.75 0.6	$\frac{4}{1} \mid \frac{1}{43}$ 0.98 0.8



SKCM  
 id: 1091 name: BMS-536924  
 target: IGF1R class: IGFR signaling

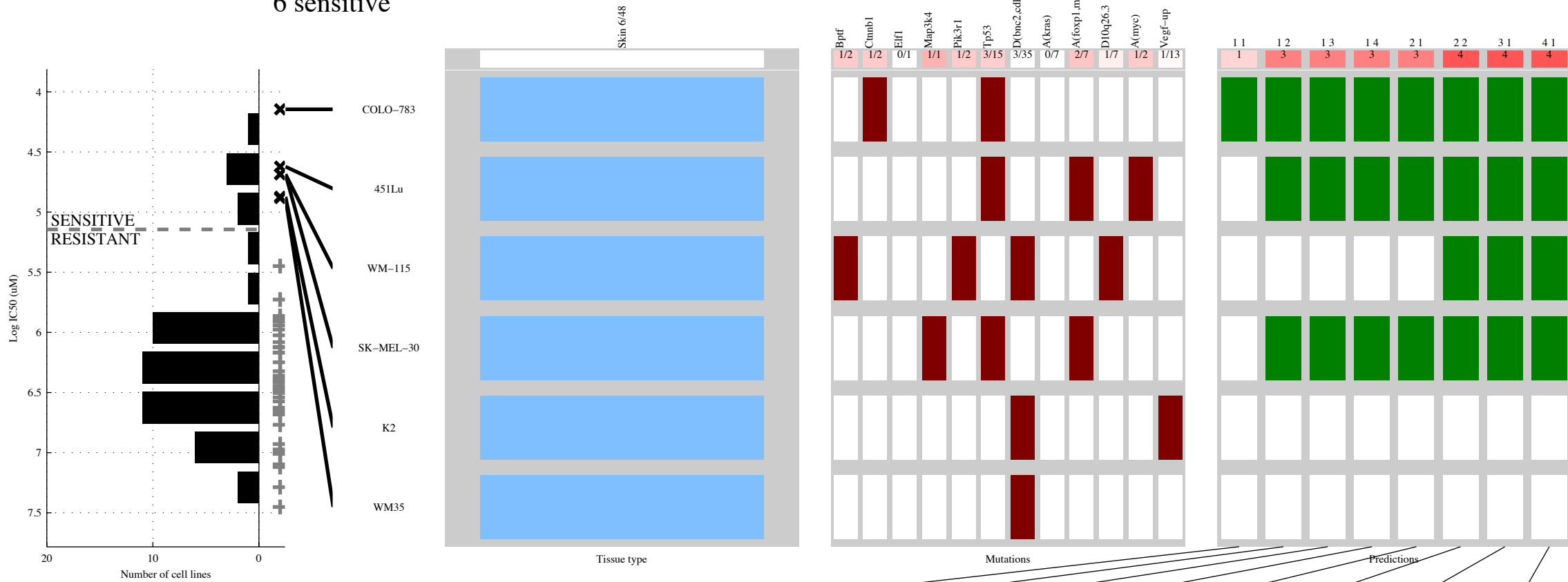
52 cell lines  
 7 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>BAZ2B</b>	<b>BAZ2B &amp; CTNNB1</b>	<b>BAZ2B &amp; CDKN2A</b> <b>¬PTEN</b>	<b>¬PTEN &amp; a(KRAS)</b> <b>¬d10q23 &amp; VEGF-U</b>	<b>BAZ2B   CLASP2</b>	<b>[CLASP2 &amp; a(MYC)]</b> <b> </b> <b>[ ¬BAP1 &amp; BAZ2B ]</b>	<b>BAZ2B   CLASP2</b>  <b>EP300</b>	<b>BAZ2B   CLASP2</b>  <b>EP300   d16q23</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{6} \mid \frac{0}{45}$ 1 0.14	$\frac{1}{6} \mid \frac{0}{45}$ 1 0.14	$\frac{1}{6} \mid \frac{0}{45}$ 1 0.14	$\frac{2}{5} \mid \frac{4}{41}$ 0.91 0.33 0.29	$\frac{2}{5} \mid \frac{0}{45}$ 1 0.29	$\frac{2}{5} \mid \frac{0}{45}$ 1 0.29	$\frac{3}{4} \mid \frac{0}{45}$ 1 0.43	$\frac{5}{2} \mid \frac{6}{39}$ 0.87 0.45 0.71

SKCM  
 id: 1114 name: Cetuximab  
 target: EGFR class: EGFR signaling

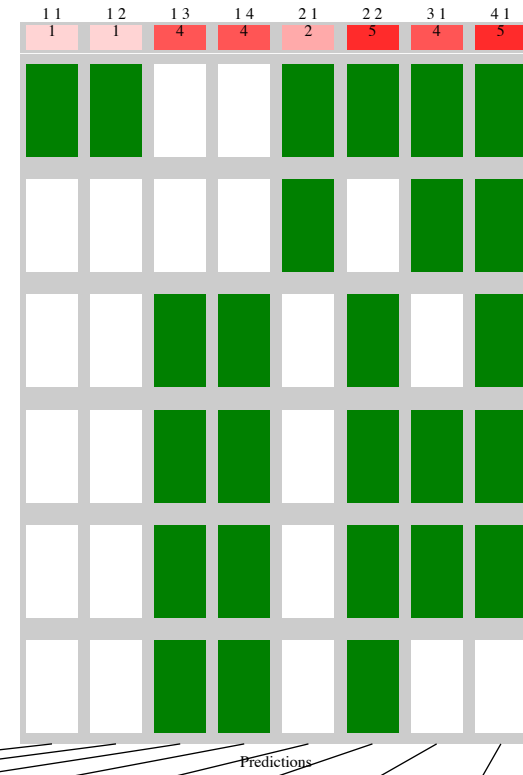
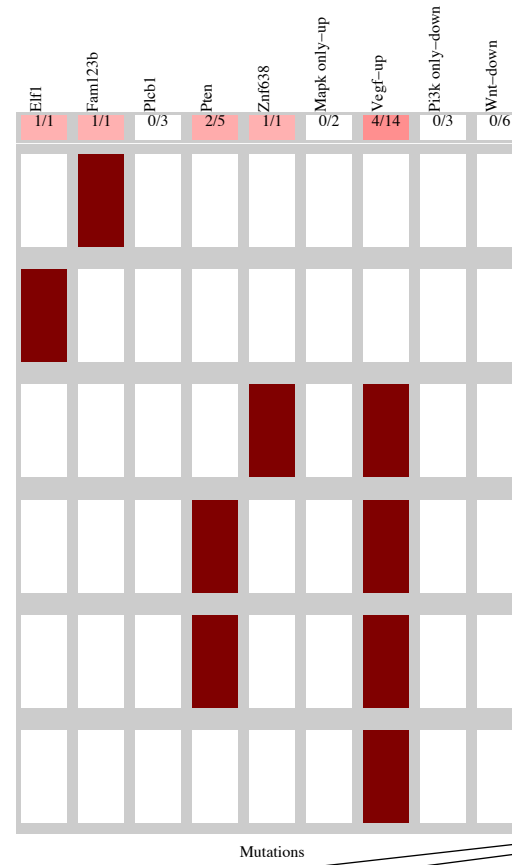
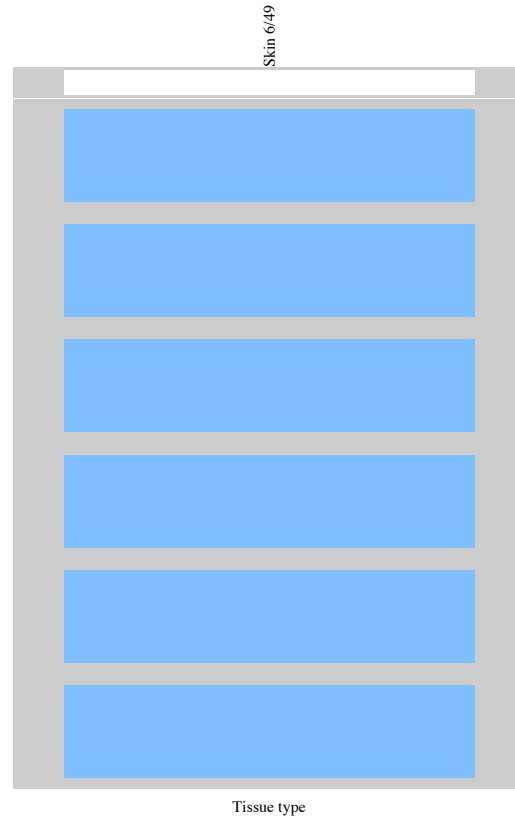
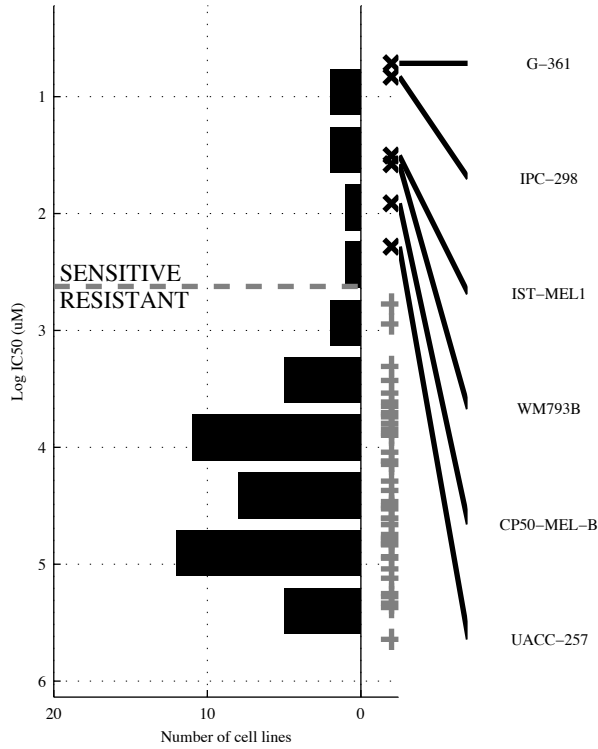
48 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>CTNNB1</b>	<b>-d(BNC2) &amp; a(KRAS)</b>	<b>TP53 &amp; d(BNC2) &amp; -VEGF-U</b>	<b>-ELF1 &amp; TP53 &amp; -d(BNC2) &amp; VEGF-U</b>	<b>CTNNB1 &amp; a(FOXP)</b>	<b>-d(BNC2) &amp; a(KRAS)   [PIK3R1 &amp; d10q26]</b>	<b>CTNNB1   PIK3R1   a(FOXP)</b>	<b>BPTF   CTNNB1   MAP3K4   a(MYC)</b>
TP   FP Specificity	1   1 0.98	3   6 0.86	3   4 0.9	3   3 0.93	3   6 0.86	4   6 0.86	4   6 0.86	4   3 0.93
FN   TN Precision	5   41 0.5	3   36 0.33	3   38 0.43	3   39 0.5	3   36 0.33	2   36 0.4	2   36 0.4	2   39 0.57
Recall	0.17	0.5	0.5	0.5	0.5	0.67	0.67	0.67

SKCM  
 id: 1129 name: PF-4708671  
 target: RPS6KB1 (p70S6KA) class: TOR signaling

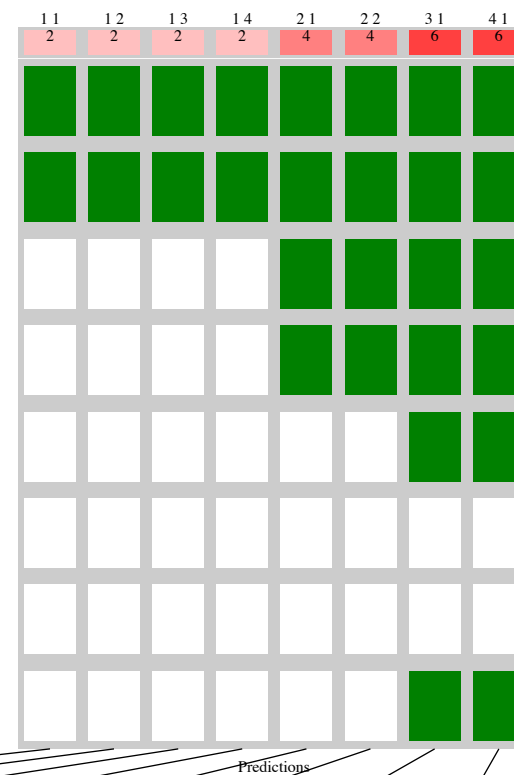
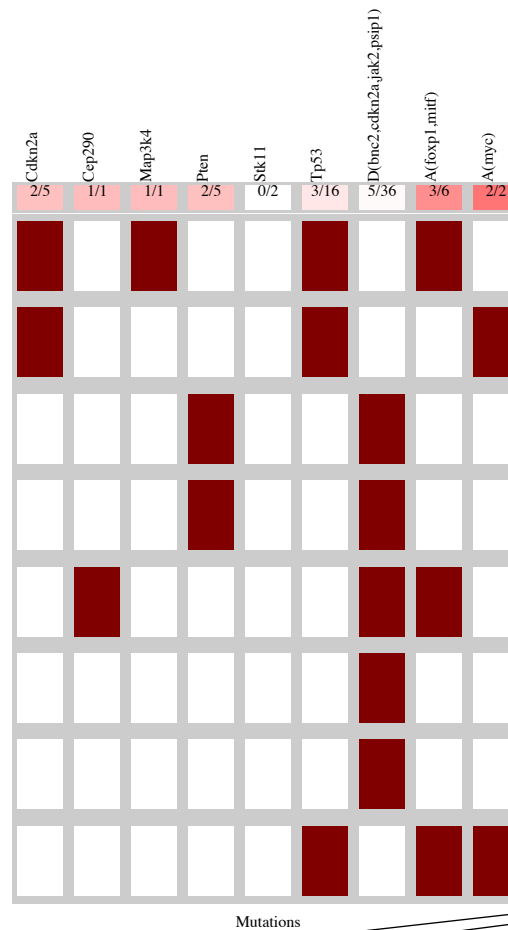
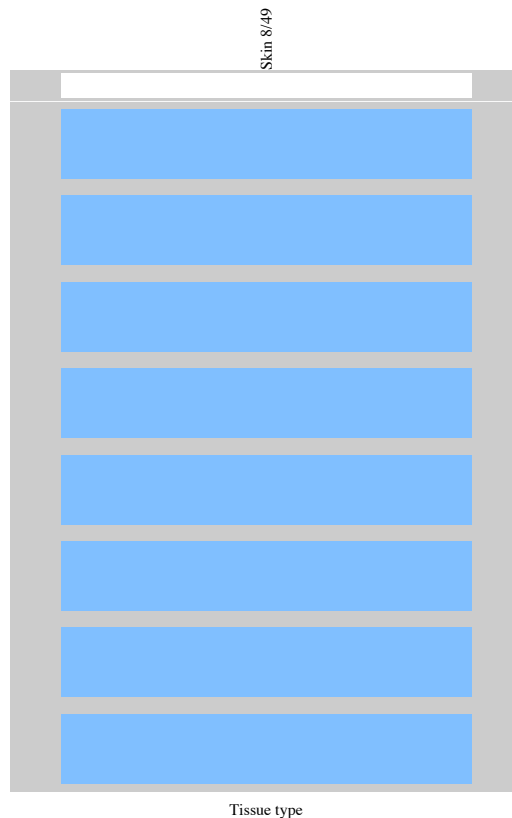
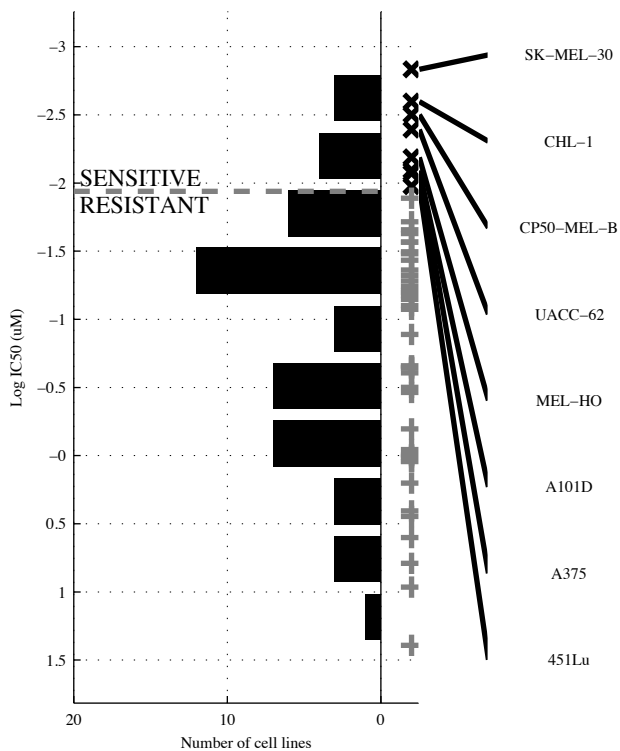
49 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>FAM123</b>	<b>FAM123 &amp; Wnt-DO</b>	<b>-PLCB1 &amp; VEGF- &amp; -Wnt-DO</b>	<b>-PLCB1 &amp; MAPK &amp; VEGF- &amp; Wnt-DO</b>	<b>ELF1   FAM123</b>	<b>[FAM123 &amp; -PI3K o]   [VEGF- &amp; Wnt-DO]</b>	<b>ELF1   FAM123   PTEN</b>	<b>ELF1   FAM123   PTEN   ZNF638</b>
TP   FP	1   0	1   0	4   5	4   3	2   0	5   7	4   3	5   3
Specificity	1	1	0.88	0.93	1	0.84	0.93	0.93
FN   TN	5   43	5   43	2   38	2   40	4   43	1   36	2   40	1   40
Precision	1	1	0.44	0.57	1	0.42	0.57	0.63
Recall	0.17	0.17	0.67	0.67	0.33	0.83	0.67	0.83

SKCM  
 id: 1149 name: TW 37  
 target: BCL2, BCL2L1 class: apoptosis regulation

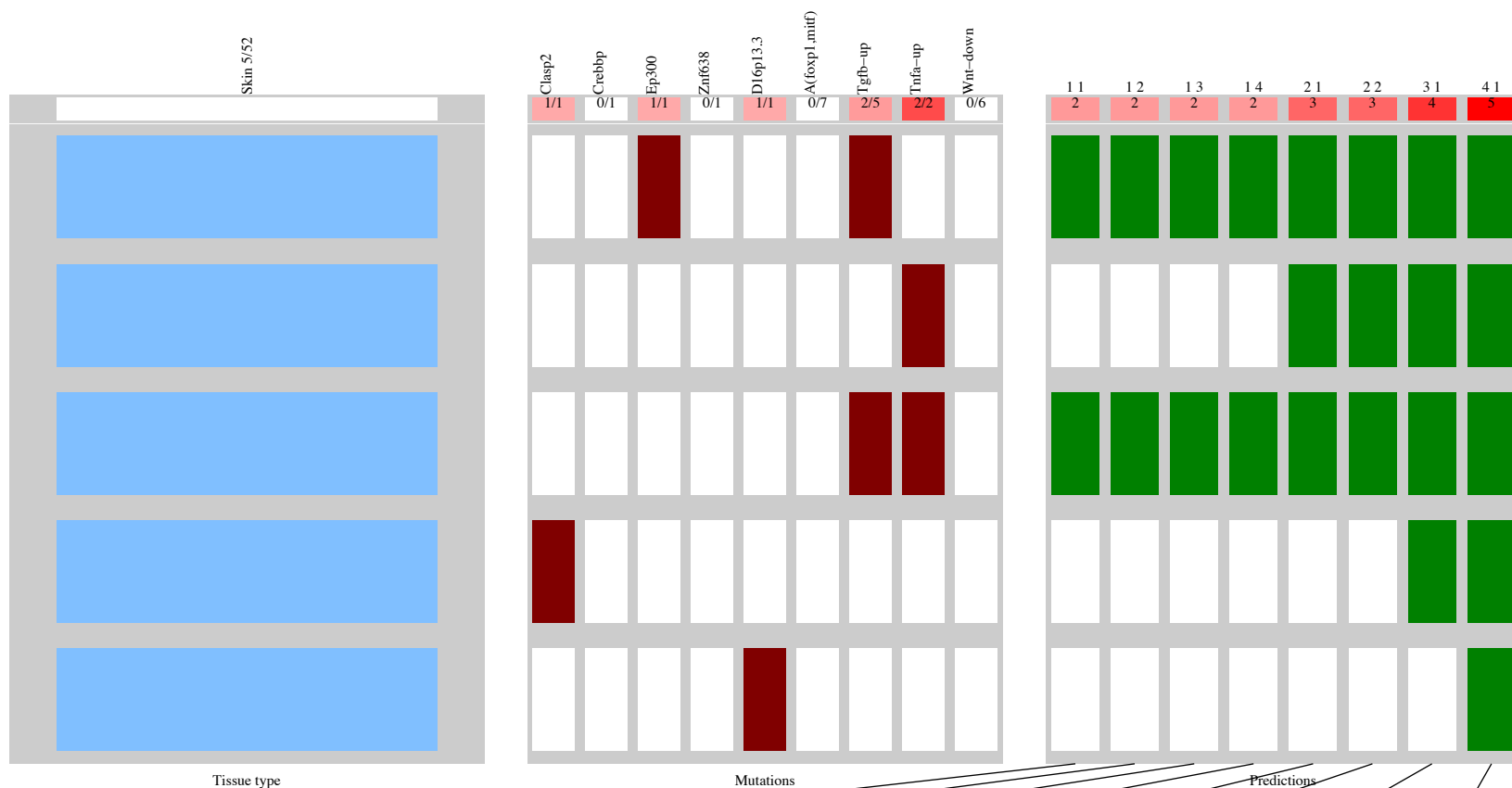
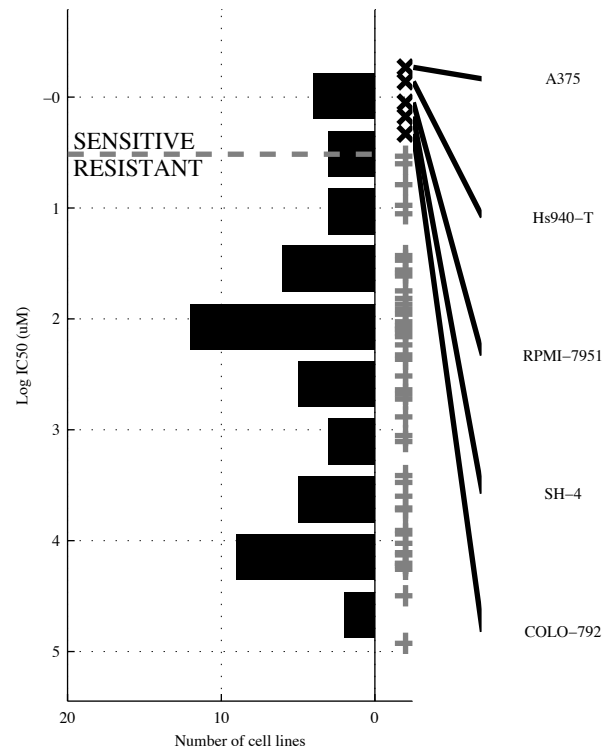
49 cell lines  
 8 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>CDKN2A</b>	<b>CDKN2A &amp; TP53</b>	<b>CDKN2A &amp; TP53 &amp; -d(BNC2)</b>	<b>CDKN2A &amp; -STK11 &amp; TP53 &amp; -d(BNC2)</b>	<b>CDKN2A   PTEN</b>	<b>[ PTEN &amp; -TP53 ]   [CDKN2A &amp; TP53 ]</b>	<b>PTEN   a(FOXP1)   a(MYC)</b>	<b>CEP290   MAP3K4   PTEN   a(MYC)</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{2}{6} \mid \frac{3}{38}$ 0.93 0.4 0.25	$\frac{2}{6} \mid \frac{1}{40}$ 0.98 0.67 0.25	$\frac{2}{6} \mid \frac{0}{41}$ 1 1 0.25	$\frac{2}{6} \mid \frac{0}{41}$ 1 1 0.25	$\frac{4}{4} \mid \frac{6}{35}$ 0.85 0.4 0.5	$\frac{4}{4} \mid \frac{2}{39}$ 0.95 0.67 0.5	$\frac{6}{2} \mid \frac{6}{35}$ 0.85 0.5 0.75	$\frac{6}{2} \mid \frac{3}{38}$ 0.93 0.67 0.75

SKCM  
 id: 1192 name: GSK269962A  
 target: ROCK1, ROCK2 class: cytoskeleton

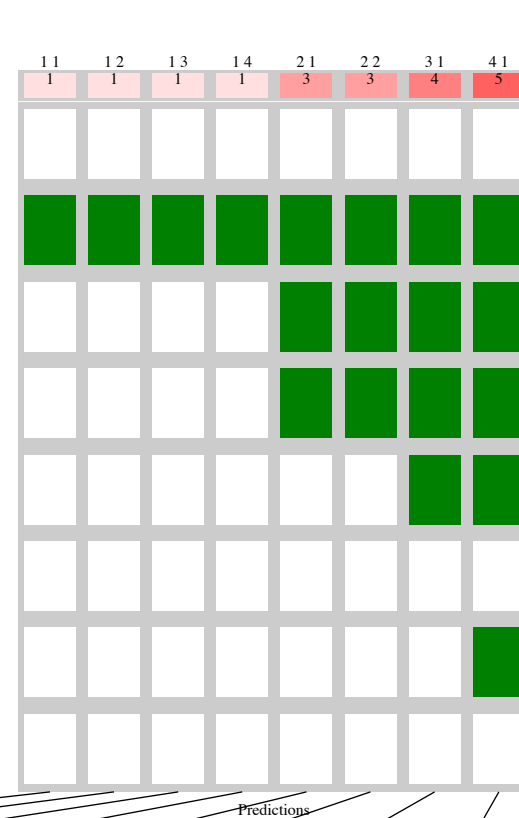
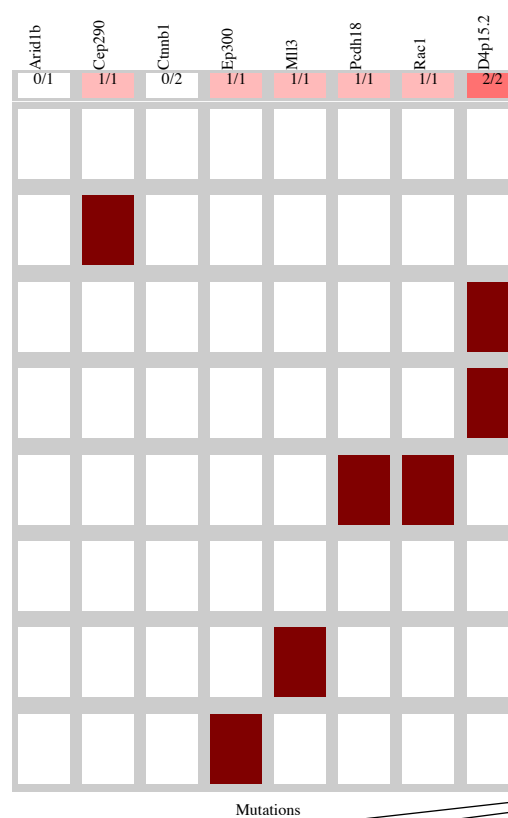
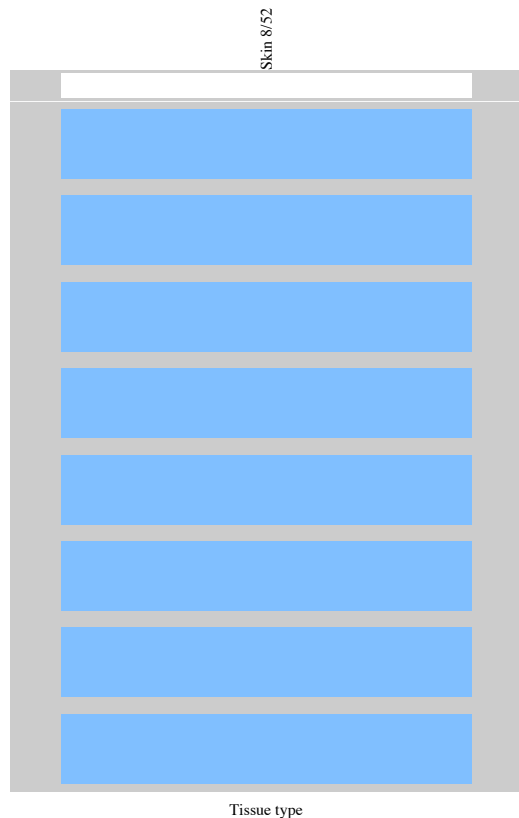
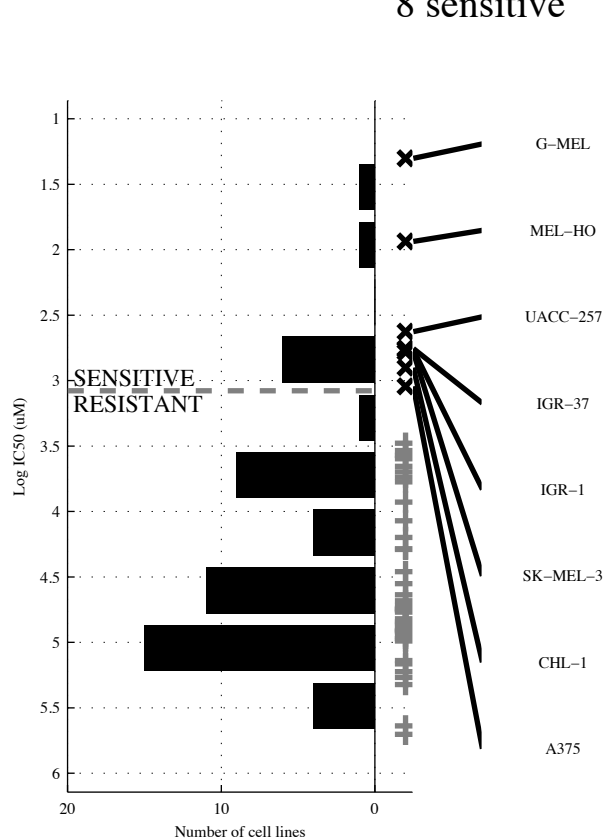
52 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>TGFB-U</b>	<b>TGFB-U &amp; Wnt-DO</b>	<b>¬a(FOXP1) &amp; TGFB-U &amp; ¬Wnt-DO</b>	<b>¬CREBBP &amp; ZNF638 &amp; TGFB-U &amp; Wnt-DO</b>	<b>EP300   TNFa-U</b>	<b>¬CREBBP &amp; EP300  </b> <b>¬a(FOXP1) &amp; TNFa-U</b>	<b>CLASP2   EP300  </b> <b>TNFa-U</b>	<b>CLASP2   EP300  </b> <b>d16p13   TNFa-U</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{2}{3} \mid \frac{3}{44}$ 0.94 0.4 0.4	$\frac{2}{3} \mid \frac{2}{45}$ 0.96 0.5 0.4	$\frac{2}{3} \mid \frac{1}{46}$ 0.98 0.67 0.4	$\frac{2}{3} \mid \frac{0}{47}$ 1 1 0.4	$\frac{3}{2} \mid \frac{0}{47}$ 1 1 0.6	$\frac{3}{2} \mid \frac{0}{47}$ 1 1 0.6	$\frac{4}{1} \mid \frac{0}{47}$ 1 1 0.8	$\frac{5}{0} \mid \frac{0}{47}$ 1 1 1

SKCM  
 id: 1194 name: SB-505124  
 target: TGFR1 (ALK5) class: other

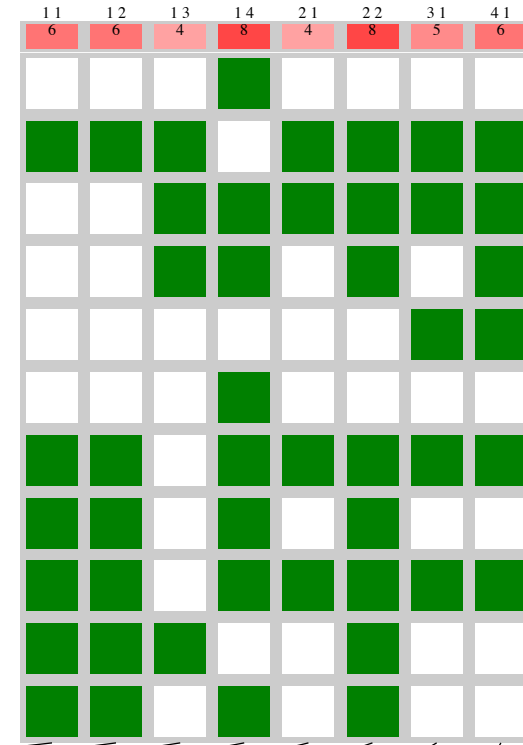
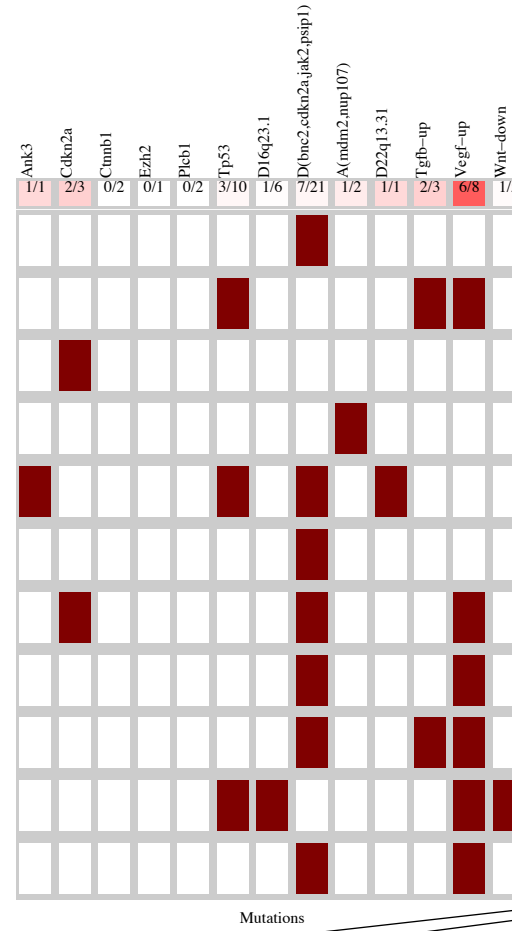
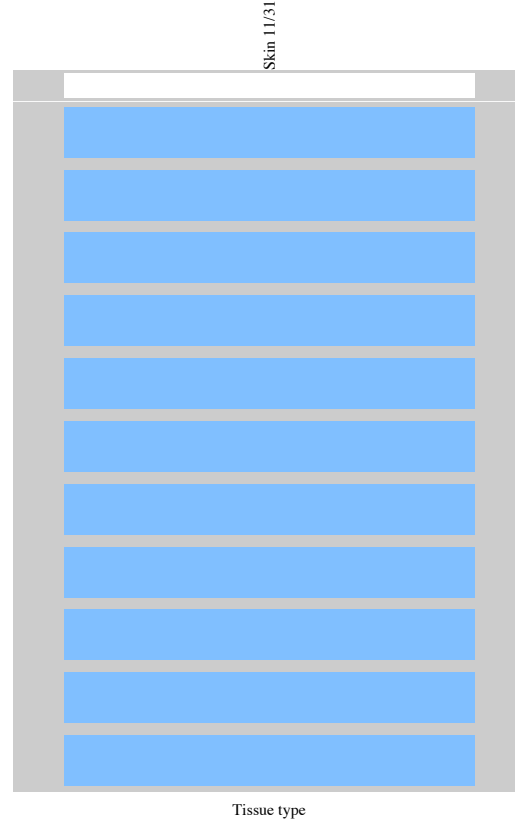
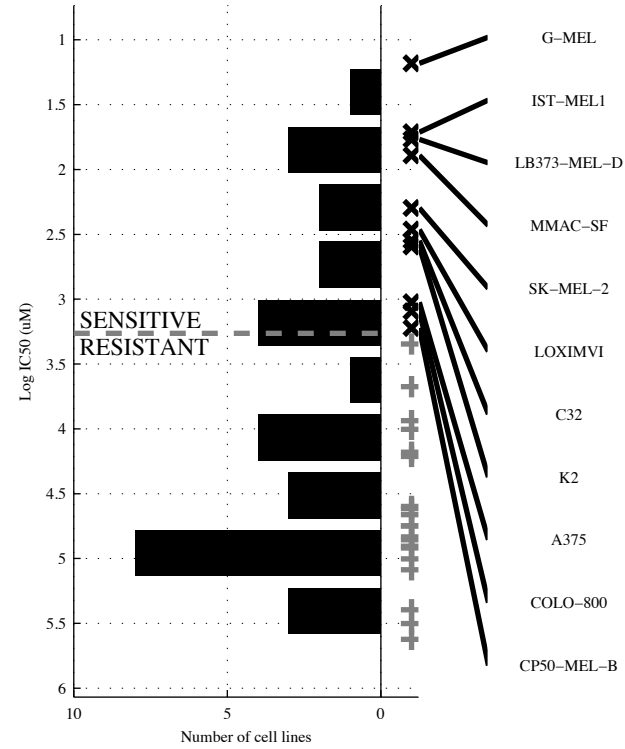
52 cell lines  
 8 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>CEP290</b>	<b>CEP290 &amp; CTNNB1</b>	<b>CEP290 &amp; &amp;</b>	<b>CEP290 &amp; &amp; &amp;</b>	<b>CEP290   d4p15.</b>	<b>[ CEP290 &amp; ~EP300 ]   [ ~ARID1B &amp; d4p15. ]</b>	<b>CEP290   RAC1   d4p15.</b>	<b>CEP290   MLL3   PCDH18   d4p15.</b>
TP   FP	1   0	1   0	1   0	1   0	3   0	3   0	4   0	5   0
Specificity	1	1	1	1	1	1	1	1
FN   TN	7   44	7   44	7   44	7   44	5   44	5   44	4   44	3   44
Precision	1	1	1	1	1	1	1	1
Recall	0.13	0.13	0.13	0.13	0.38	0.38	0.5	0.63

SKCM  
 id: 1203 name: QL-XII-61  
 target: BTK class: other

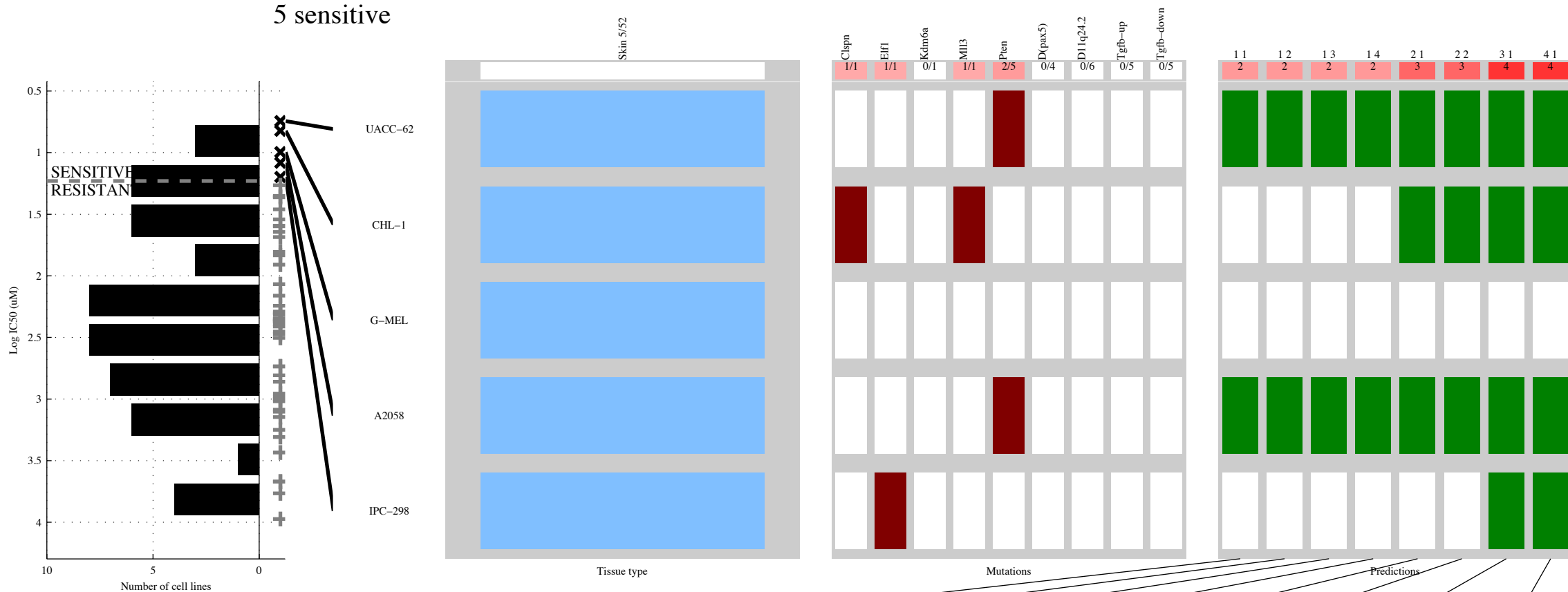
31 cell lines  
 11 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>VEGF-U</b>	<b>-PLCB1 &amp; VEGF-U</b>	<b>-CTNNB &amp; -EZH2 &amp; -d(BNC2)</b>	<b>-PLCB1 &amp; -TP53 &amp; -d16q23 &amp; Wnt-DO</b>	<b>CDKN2A ITGFB-U</b>	<b>[ -TP53 &amp; -d(BNC2)   [-PLCB1 &amp; VEGF-U]</b>	<b>ANK3   CDKN2A   TGFB-U</b>	<b>CDKN2A   d(MDM2)   d22q13   ITGFB-U</b>
TP   FP Specificity	6   2 0.9	6   1 0.95	4   3 0.85	8   4 0.8	4   2 0.9	8   3 0.85	5   2 0.9	6   3 0.85
FN   TN Precision	5   18 0.75	5   19 0.86	7   17 0.57	3   16 0.67	7   18 0.67	3   17 0.73	6   18 0.71	5   17 0.67
Recall	0.55	0.55	0.36	0.73	0.36	0.73	0.45	0.55

SKCM  
 id: 1219 name: PFI-1  
 target: BRD2, BRD3, BRD4 class: chromatin other

52 cell lines  
 5 sensitive

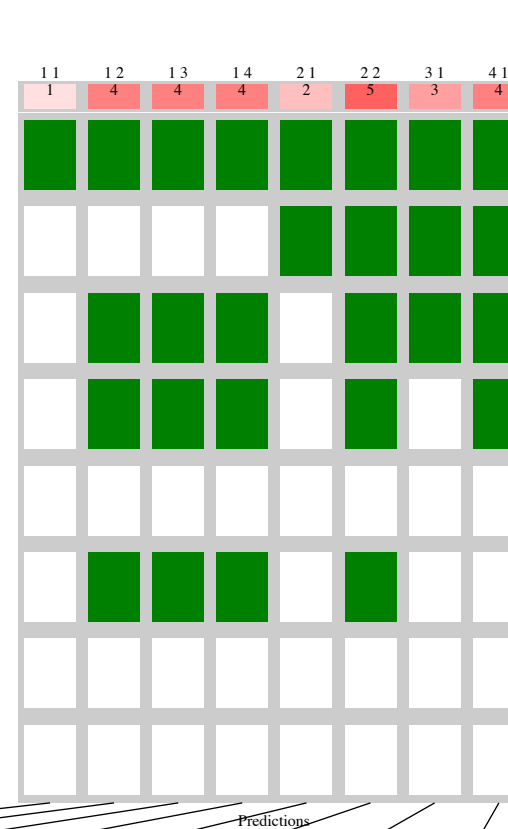
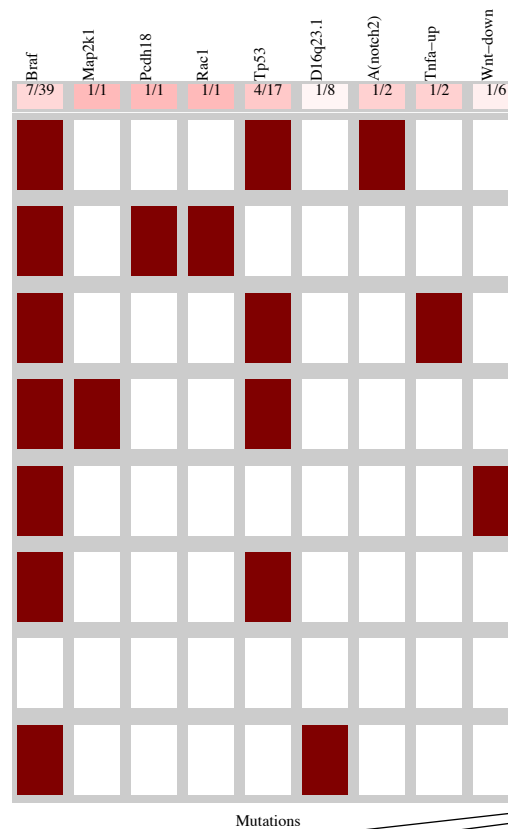
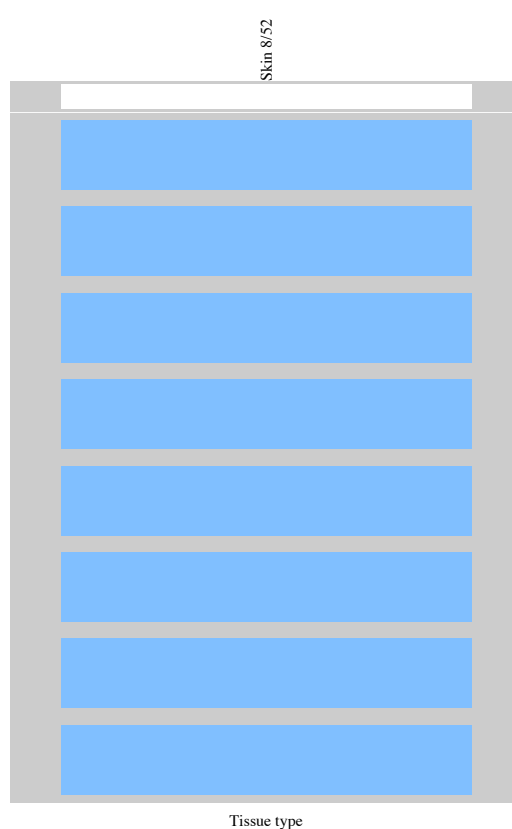
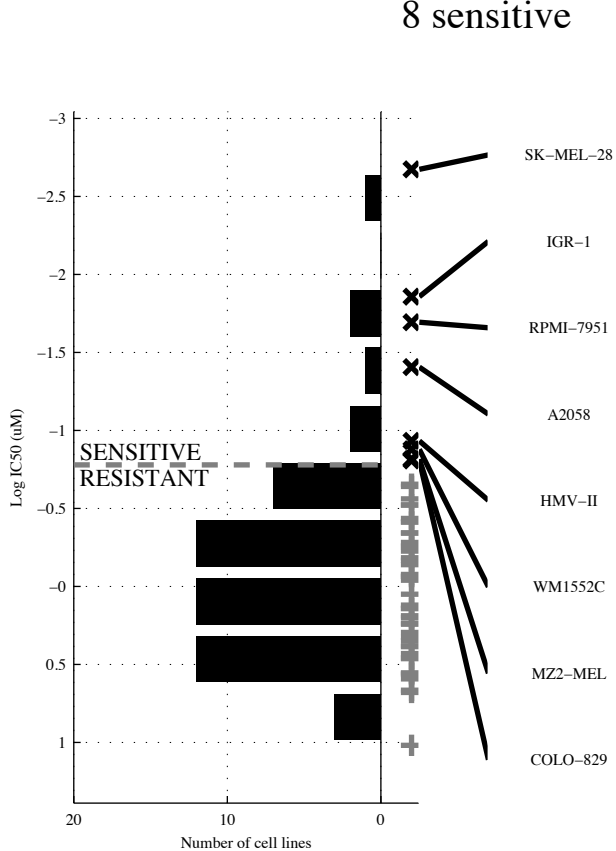


Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>PTEN</b>		<b>-KDM6A &amp; PTEN</b>		<b>PTEN &amp; -d11q24</b>		<b>-KDM6A &amp; PTEN &amp; -TGFB-D</b>		<b>CLSPN   PTEN</b>		<b>[ PTEN &amp; -d(PAX5)   CLSPN &amp; ]</b>		<b>ELF1   MLL3   PTEN</b>		<b>ELF1   MLL3   PTEN  </b>	
TP   FP Specificity	2   3	0.94	2   2	0.96	2   1	0.98	2   1	0.98	3   3	0.94	3   2	0.96	4   3	0.94	4   3	0.94
FN   TN Precision	3   44	0.4	3   45	0.5	3   46	0.67	3   46	0.67	2   44	0.5	2   45	0.6	1   44	0.57	1   44	0.57
Recall		0.4		0.4		0.4		0.4		0.6		0.6		0.8		0.8



SKCM  
 id: 1230 name: IOX2  
 target: EGLN1 class: other

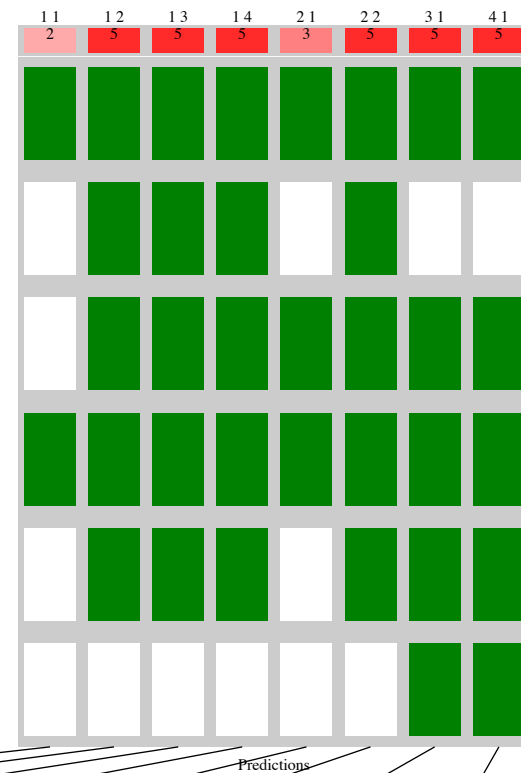
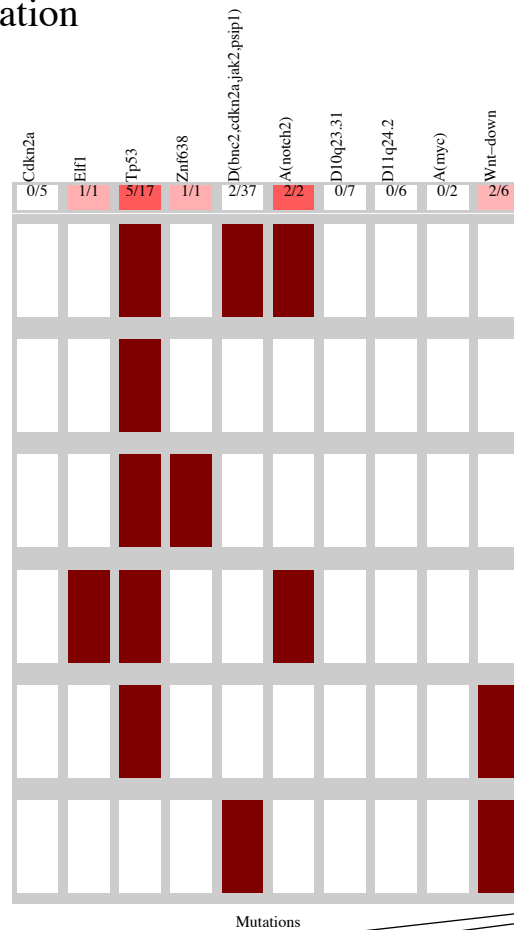
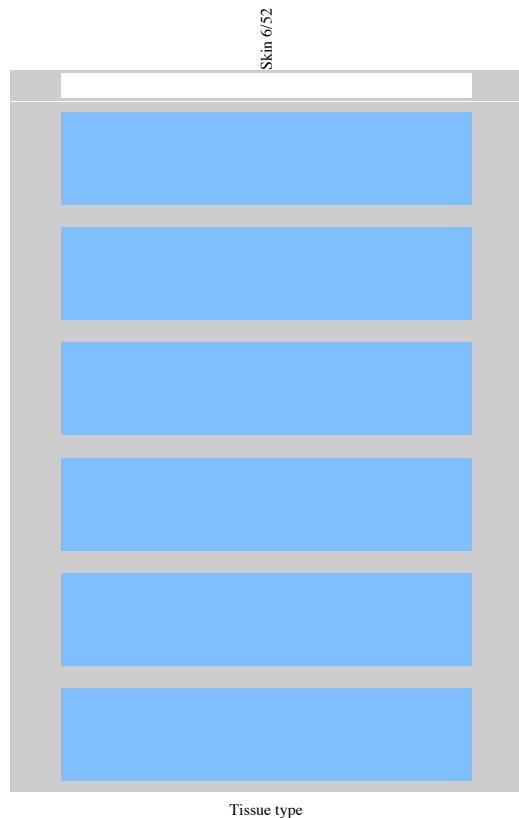
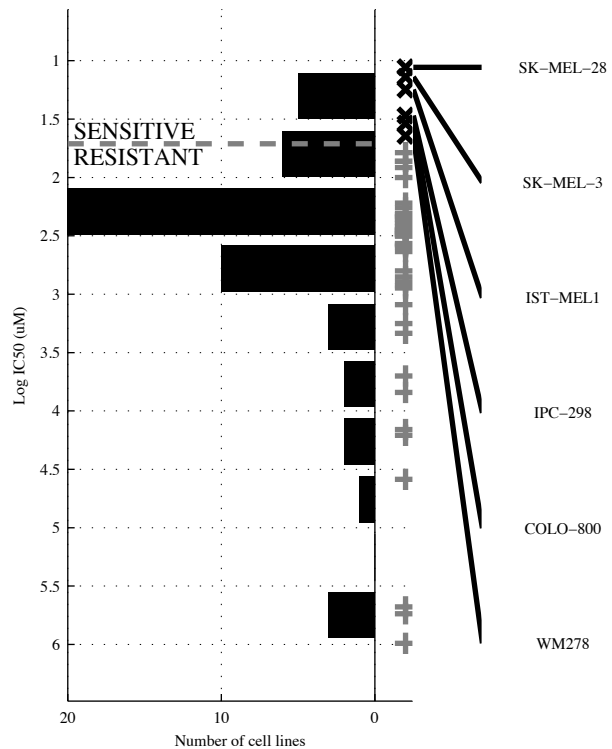
52 cell lines  
 8 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	a(NOTC)	BRAF & TP53	BRAF & TP53 & -d16q23	BRAF & TP53 & -d16q23 & Wnt-DO	RAC1   a(NOTC)	[ BRAF & TP53 ]   [ RAC1 & -TP53 ]	PCDH18   a(NOTC)   TNFa-U	MAP2K1   PCDH18   a(NOTC)   TNFa-U
TP   FP	1   1	4   8	4   5	4   4	2   1	5   8	3   2	4   2
Specificity	0.98	0.82	0.89	0.91	0.98	0.82	0.95	0.95
FN   TN	7   43	4   36	4   39	4   40	6   43	3   36	5   42	4   42
Precision	0.5	0.33	0.44	0.5	0.67	0.38	0.6	0.67
Recall	0.13	0.5	0.5	0.5	0.25	0.63	0.38	0.5

SKCM  
 id: 1236 name: UNC0638  
 target: G9a(EHMT2), GLP(EHMT1) class: chromatin histone methylation

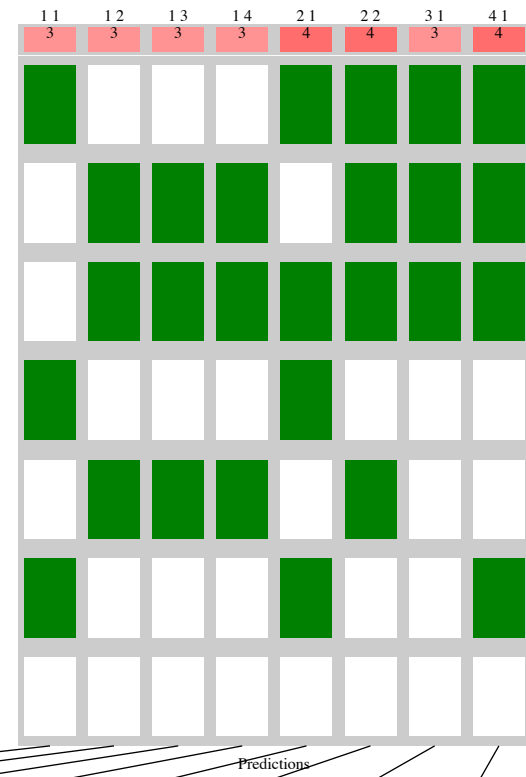
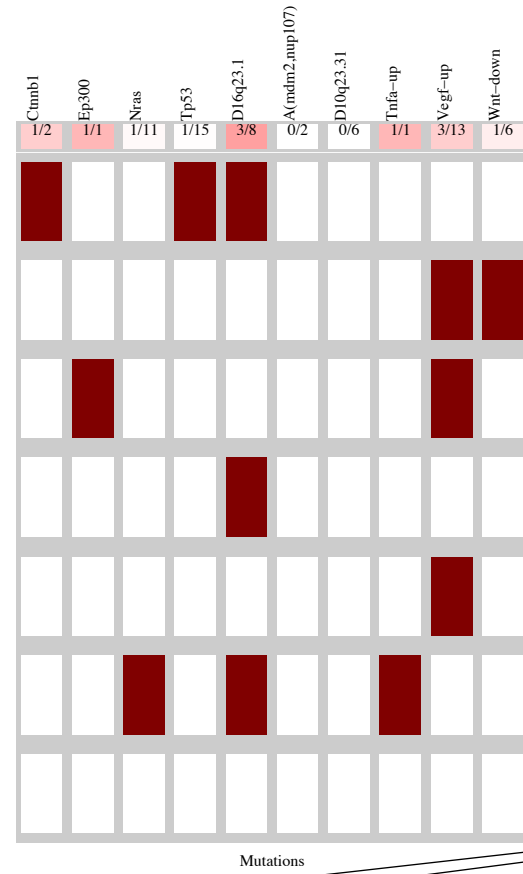
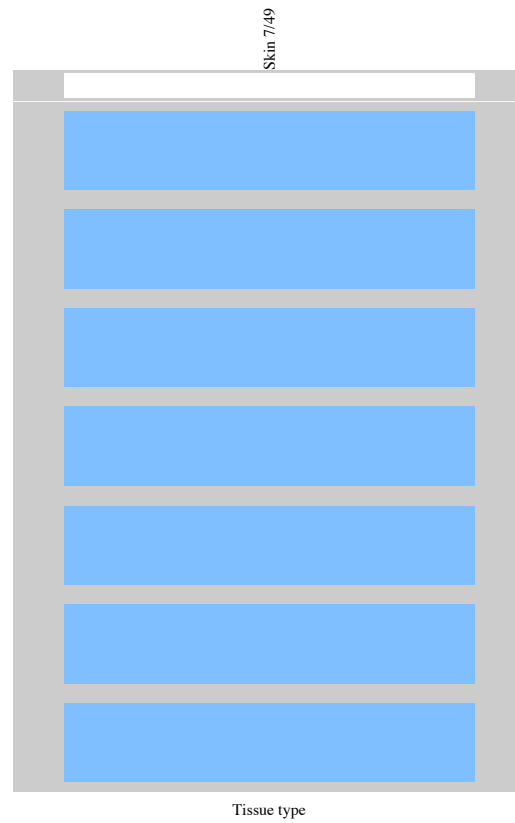
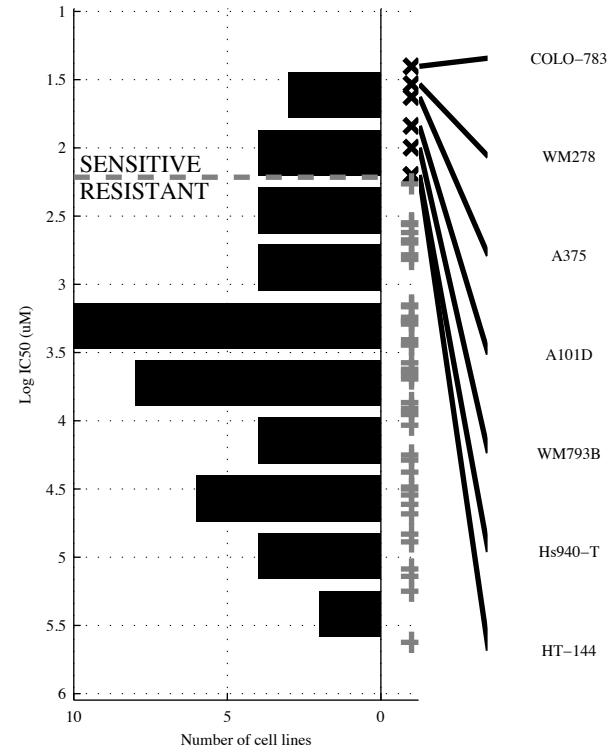
52 cell lines  
 6 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>a(NOTC</b>		<b>¬CDKN2&amp; TP53</b>		<b>TP53 &amp;¬d11q24&amp;</b> <b>¬a(MYC)</b>		<b>TP53 &amp;¬d10q23&amp;</b> <b>¬d11q24&amp;a(MYC)</b>		<b>ZNF638  a(NOTC</b>		<b>[a(NOTC&amp; ]</b> <b> </b> <b>[¬d(BNC&amp;a(MYC)]</b>		<b>ZNF638  a(NOTC </b>		<b>ELF1   ZNF638  </b> <b>a(NOTC Wnt-DO</b>	
TP   FP Specificity	2   0	1	5   9	0.8	5   6	0.87	5   5	0.89	3   0	1	5   9	0.8	5   4	0.91	5   4	0.91
FN   TN Precision	4   46	1	1   37	0.36	1   40	0.45	1   41	0.5	3   46	1	1   37	0.36	1   42	0.56	1   42	0.56
Recall		0.33		0.83		0.83		0.83		0.5		0.83		0.83		0.83

SKCM  
 id: 1241 name: CHIR-99021  
 target: GSK3B class: WNT signaling

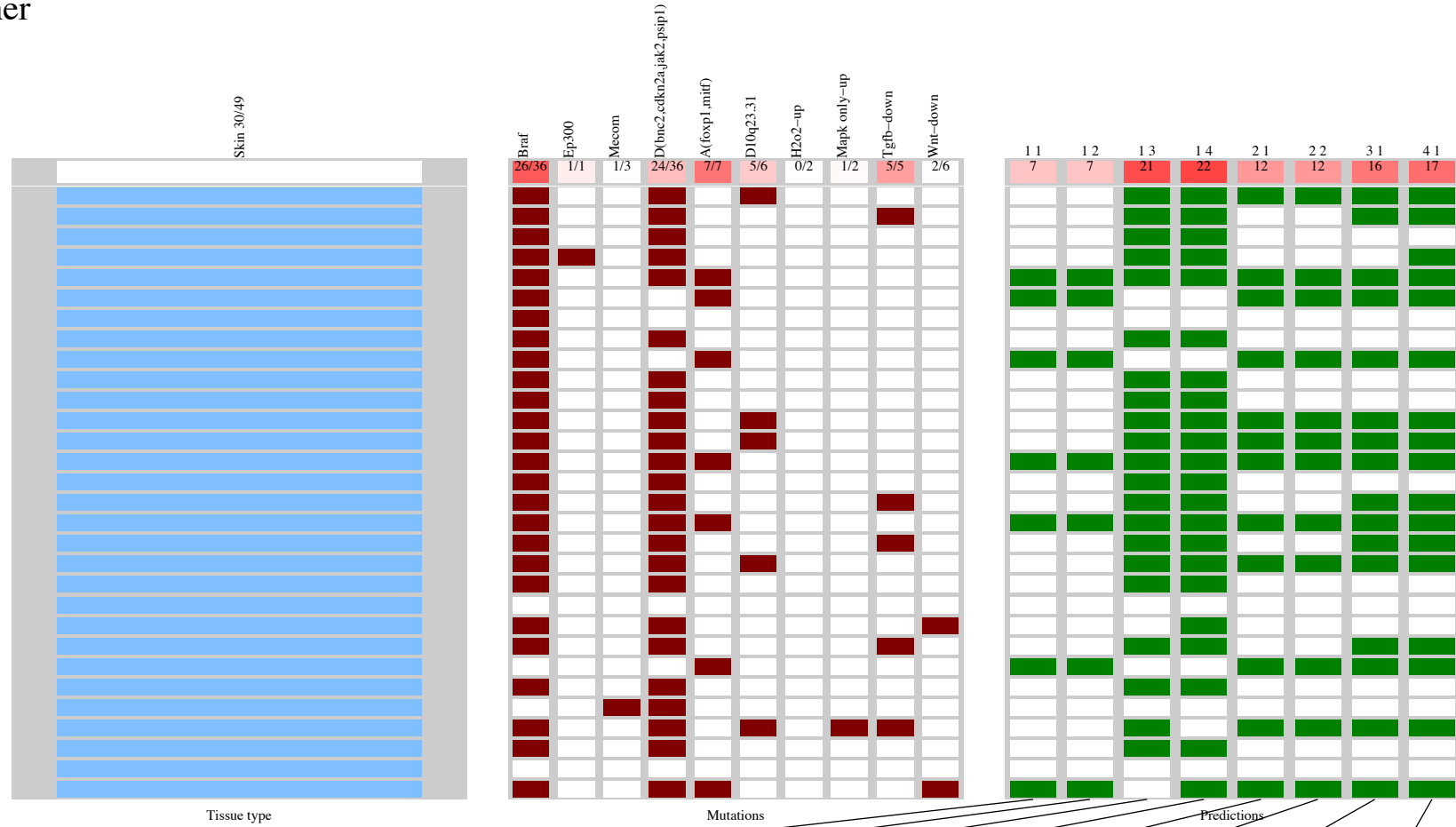
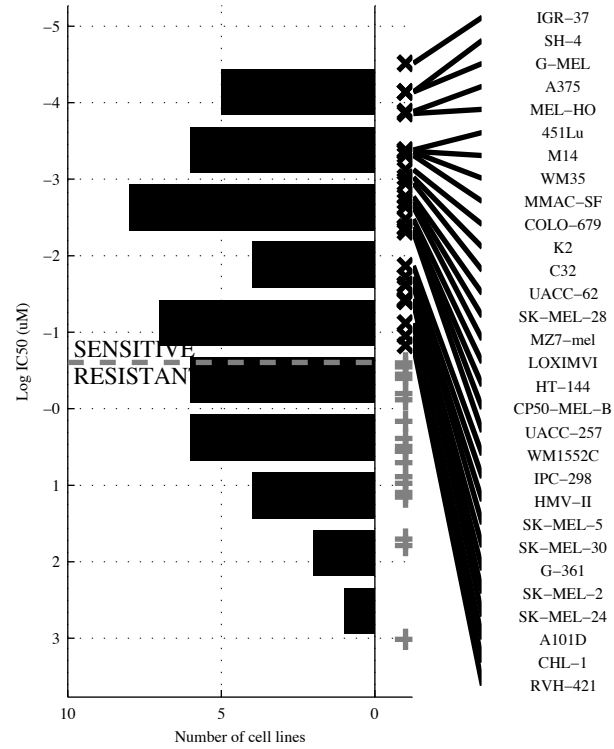
49 cell lines  
 7 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d16q23</b>	<b>-d10q23 &amp; VEGF-U</b>	<b>-TP53 &amp; -d10q23 &amp; VEGF-U</b>	<b>-NRAS &amp; -TP53 &amp; -d10q23 &amp; VEGF-U</b>	<b>EP300   d16q23</b>	<b>[-d10q23 &amp; VEGF-U]   [CTNNB1 &amp; (MDM2)]</b>	<b>CTNNB1   EP300   Wnt-DO</b>	<b>CTNNB1   EP300   TNFa-UIWnt-DO</b>
TP   FP Specificity	3   5 0.88	3   7 0.83	3   5 0.88	3   3 0.93	4   5 0.88	4   7 0.83	3   6 0.86	4   6 0.86
FN   TN Precision	4   37 0.38	4   35 0.3	4   37 0.38	4   39 0.5	3   37 0.44	3   35 0.36	4   36 0.33	3   36 0.4
Recall	0.43	0.43	0.43	0.43	0.57	0.57	0.43	0.57

SKCM  
 id: 1242 name: (5Z)-7-Oxozeaenol  
 target: MAP3K7 (TAK1) class: other

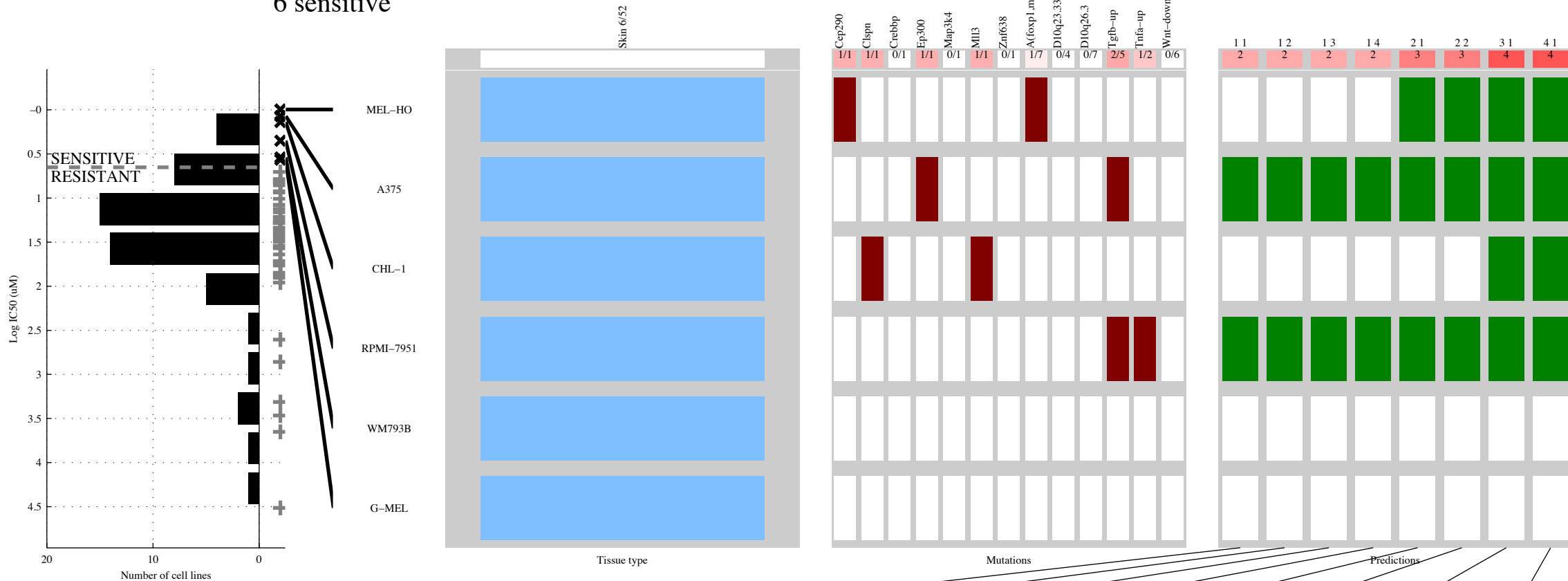
49 cell lines  
 30 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	a(FOXP)	a(FOXP & MECOM)	BRAF & d(BNC2 & MAPK3) & !Wnt-DO	BRAF & MECOM & d(BNC2 & MAPK3)	a(FOXP   d10q23)	[ d10q23 & H2O2-U ]   [ a(FOXP & MECOM) ]	a(FOXP   d10q23   TGFB-D)	EP300   a(FOXP   d10q23   TGFB-D)
TP   FP	7   0	7   0	21   3	22   3	12   1	12   0	16   1	17   1
Specificity	1	1	0.84	0.84	0.95	1	0.95	0.95
FN   TN	23   19	23   19	9   16	8   16	18   18	18   19	14   18	13   18
Precision	1	1	0.88	0.88	0.92	1	0.94	0.94
Recall	0.23	0.23	0.7	0.73	0.4	0.4	0.53	0.57

SKCM  
 id: 1243 name: piperlongumine  
 target: Increases ROS levels class: other

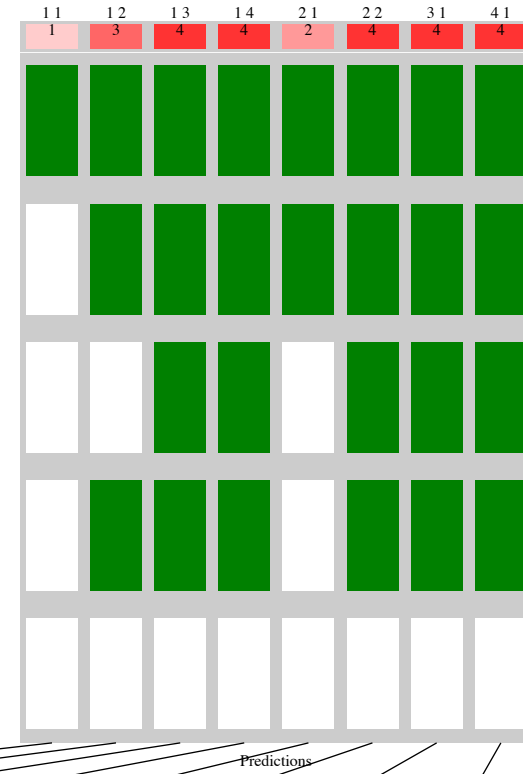
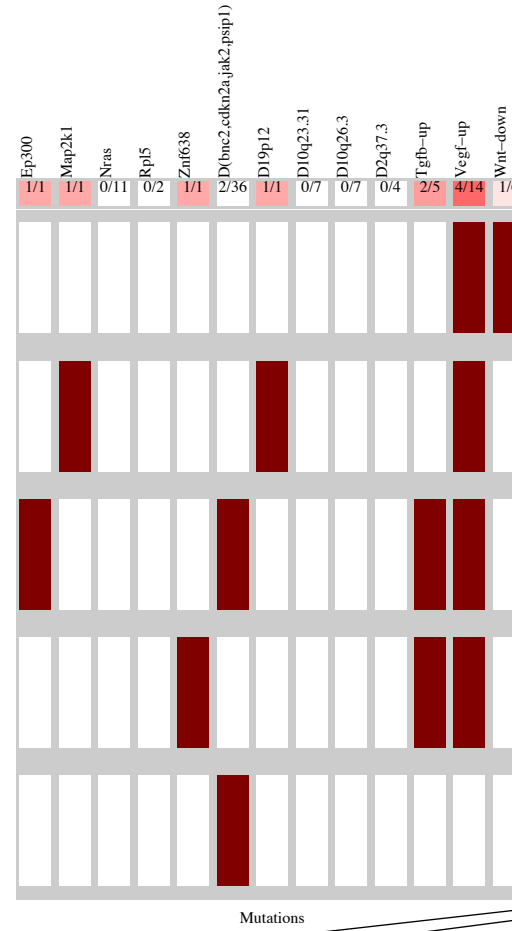
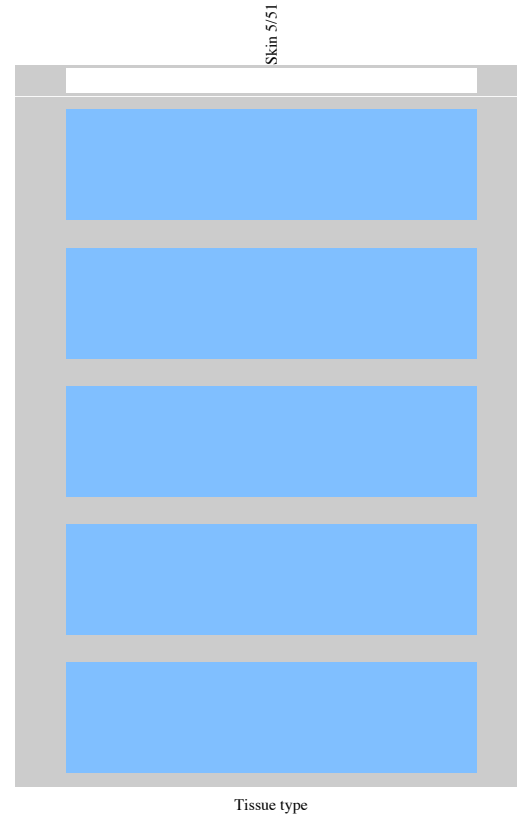
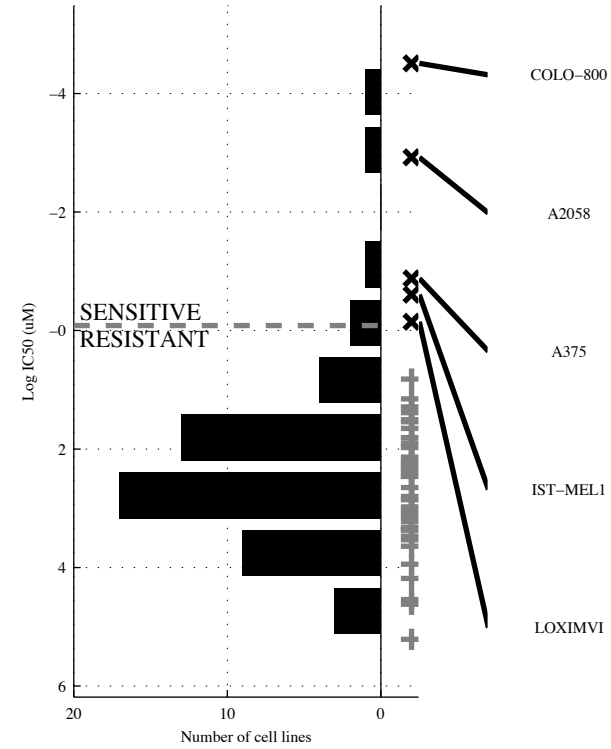
52 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>TGFB-U</b>	<b>¬d10q26 &amp; TGFB-U</b>	<b>¬a(FOXO &amp; TGFB-U &amp; Wnt-DO)</b>	<b>¬CREBB &amp; ZNF638 &amp; TGFB-U &amp; Wnt-DO</b>	<b>CEP290   TGFB-U</b>	<b>[¬d10q23 &amp; TGFB-U]   [CEP290 &amp; MAP3K4]</b>	<b>CEP290   CLSPN   TGFB-U</b>	<b>CEP290   EP300   MLL3   TNFa-U</b>
TP   FP Specificity	2   3 0.93	2   2 0.96	2   1 0.98	2   0 1	3   3 0.93	3   2 0.96	4   3 0.93	4   1 0.98
FN   TN Precision	4   43 0.4	4   44 0.5	4   45 0.67	4   46 1	3   43 0.5	3   44 0.6	2   43 0.57	2   45 0.8
Recall	0.33	0.33	0.33	0.33	0.5	0.5	0.67	0.67

SKCM  
 id: 1259 name: BMN-673  
 target: PARP1 class: Genome integrity

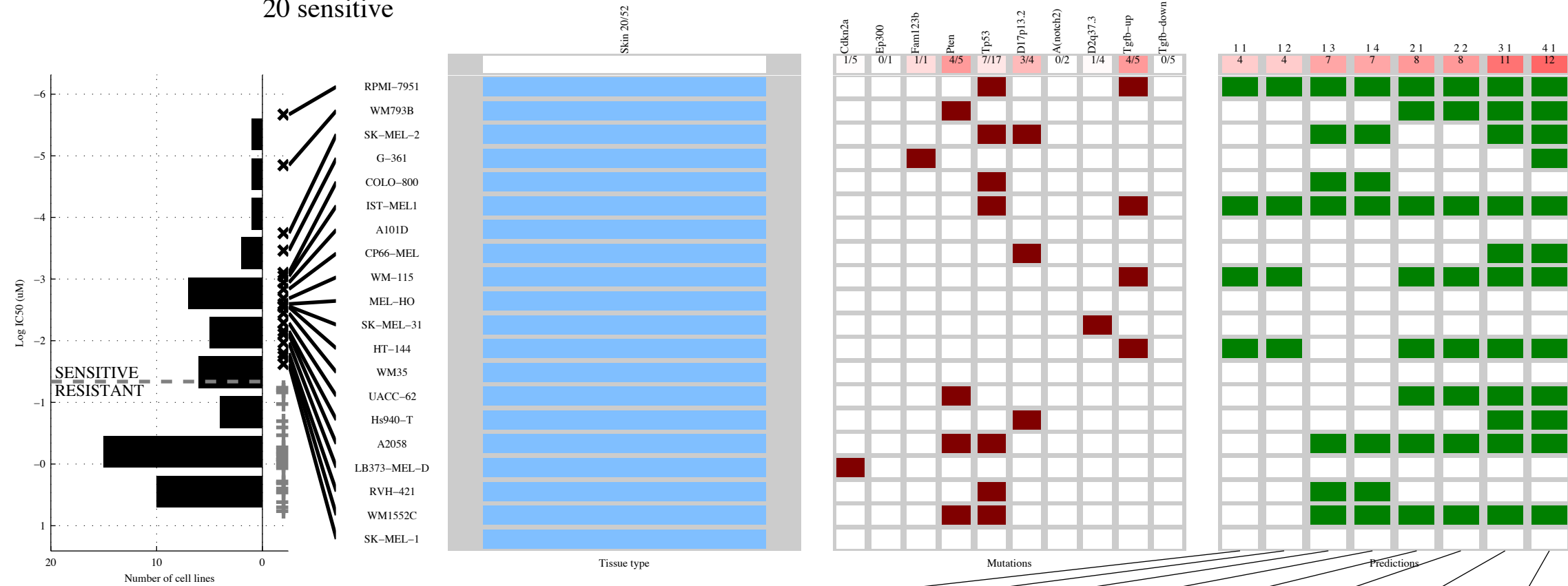
51 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>Wnt-DO</b>	<b>~d(BNC2)&amp;VEGF-U</b>	<b>~d10q23&amp;~d10q26&amp;VEGF-U</b>	<b>~NRAS&amp;~RPL5&amp;~d2q37&amp;VEGF-U</b>	<b>d19p12  Wnt-DO</b>	[ EP300 & ]   [~d(BNC2)&VEGF-U]	<b>MAP2K1 TGFB-U</b>  <b>Wnt-DO</b>	<b>EP300   ZNF638  </b>  <b>d19p12  Wnt-DO</b>
TP   FP Specificity	1   5 0.89	3   0 1	4   5 0.89	4   4 0.91	2   5 0.89	4   0 1	4   7 0.85	4   5 0.89
FN   TN Precision	4   41 0.17	2   46 1	1   41 0.44	1   42 0.5	3   41 0.29	1   46 1	1   39 0.36	1   41 0.44
Recall	0.2	0.6	0.8	0.8	0.4	0.8	0.8	0.8

SKCM  
 id: 1261 name: rTRAIL  
 target: TR10A (DR4), TR10B (DR5) class: apoptosis regulation

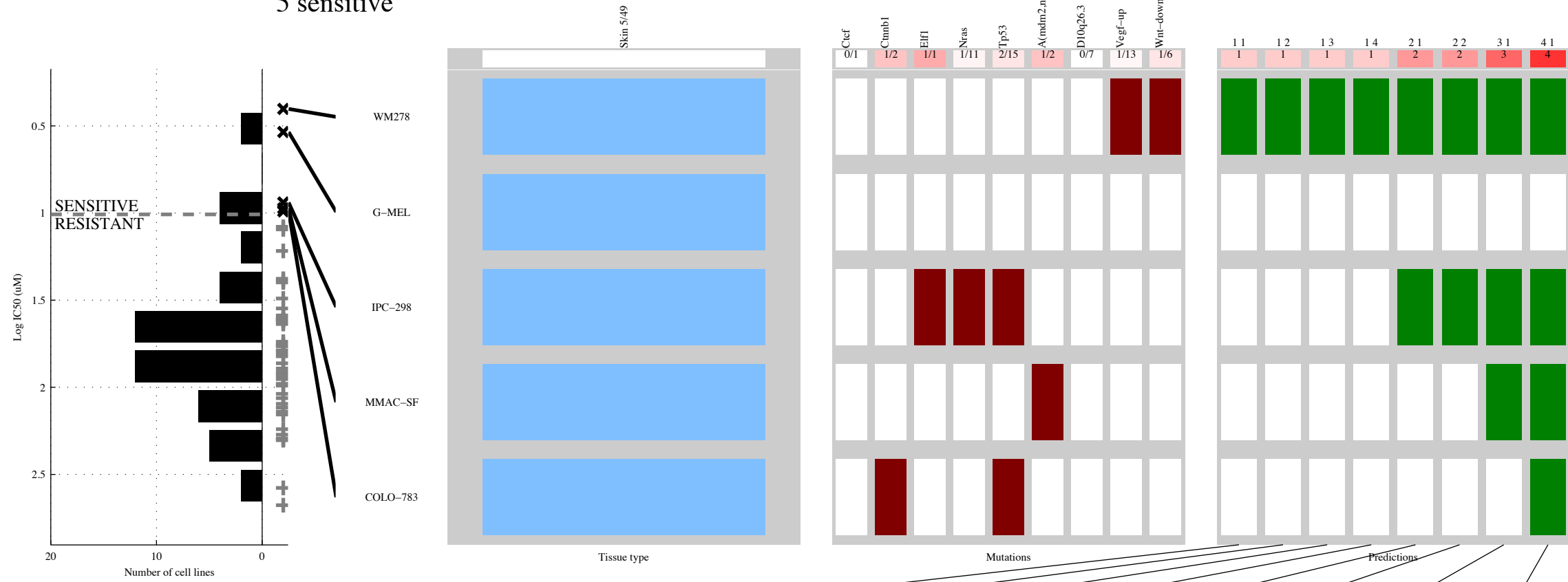
52 cell lines  
 20 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	M															
Logic formula	<b>TGFB-U</b>		<b>-EP300 &amp; TGFB-U</b>		<b>-CDKN2 &amp; TP53 &amp; -a(NOTC</b>		<b>-CDKN2 &amp; TP53 &amp; -a(NOT &amp; -d2q37.</b>		<b>PTEN   TGFB-U</b>		<b>[ PTEN &amp; TGFB-U ]   [ -EP300 &amp; TGFB-U ]</b>		<b>PTEN   d17p13   TGFB-U</b>		<b>FAM123   PTEN   d17p13   TGFB-U</b>	
TP   FP Specificity	4   1 0.97		4   0 1		7   5 0.84		7   4 0.88		8   2 0.94		8   0 1		11   3 0.91		12   3 0.91	
FN   TN Precision	16   31 0.8		16   32 1		13   27 0.58		13   28 0.64		12   30 0.8		12   32 1		9   29 0.79		8   29 0.8	
Recall	0.2		0.2		0.35		0.35		0.4		0.4		0.55		0.6	

SKCM  
 id: 1264 name: SGC0946  
 target: Q8TEK3 (DOT1L) class: chromatin histone methylation

49 cell lines  
 5 sensitive

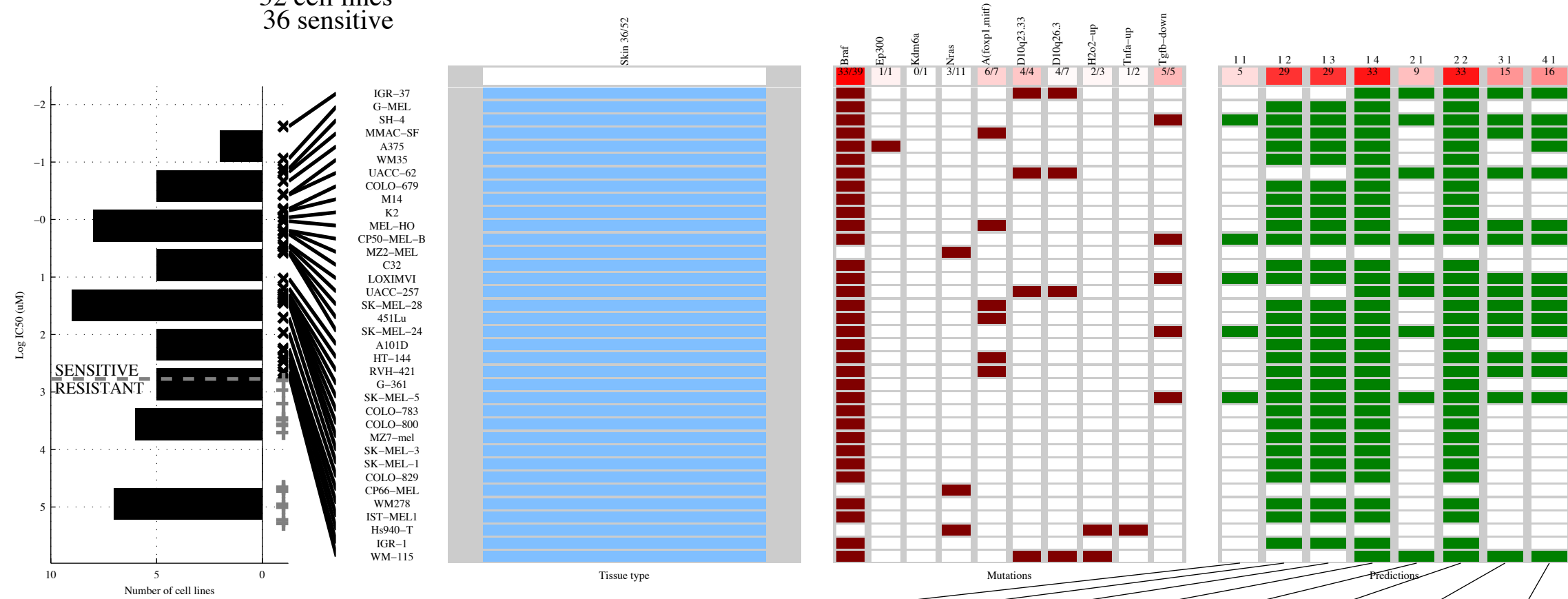


Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>Wnt-DO</b>		<b>VEGF-DO &amp; Wnt-DO</b>		<b>~NRAS &amp; ~TP53 &amp; Wnt-DO</b>		<b>~CTCF &amp; ~TP53 &amp; ~d10q26 &amp; Wnt-DO</b>		<b>ELF1   Wnt-DO</b>		<b>[VEGF-DO &amp; Wnt-DO]</b>		<b>ELF1   a(MDM2)   Wnt-DO</b>		<b>CTNNB1   ELF1   a(MDM2)   Wnt-DO</b>	
TP   FP Specificity	1   5	0.89	1   2	0.95	1   1	0.98	1   0	1	2   5	0.89	2   2	0.95	3   6	0.86	4   6	0.86
FN   TN Precision	4   39	0.17	4   42	0.33	4   43	0.5	4   44	1	3   39	0.29	3   42	0.5	2   38	0.33	1   38	0.4
Recall	0.2		0.2		0.2		0.2		0.4		0.4		0.6		0.8	



SKCM  
 id: 1371 name: PLX4720 (rescreen)  
 target: BRAF class: ERK MAPK signaling

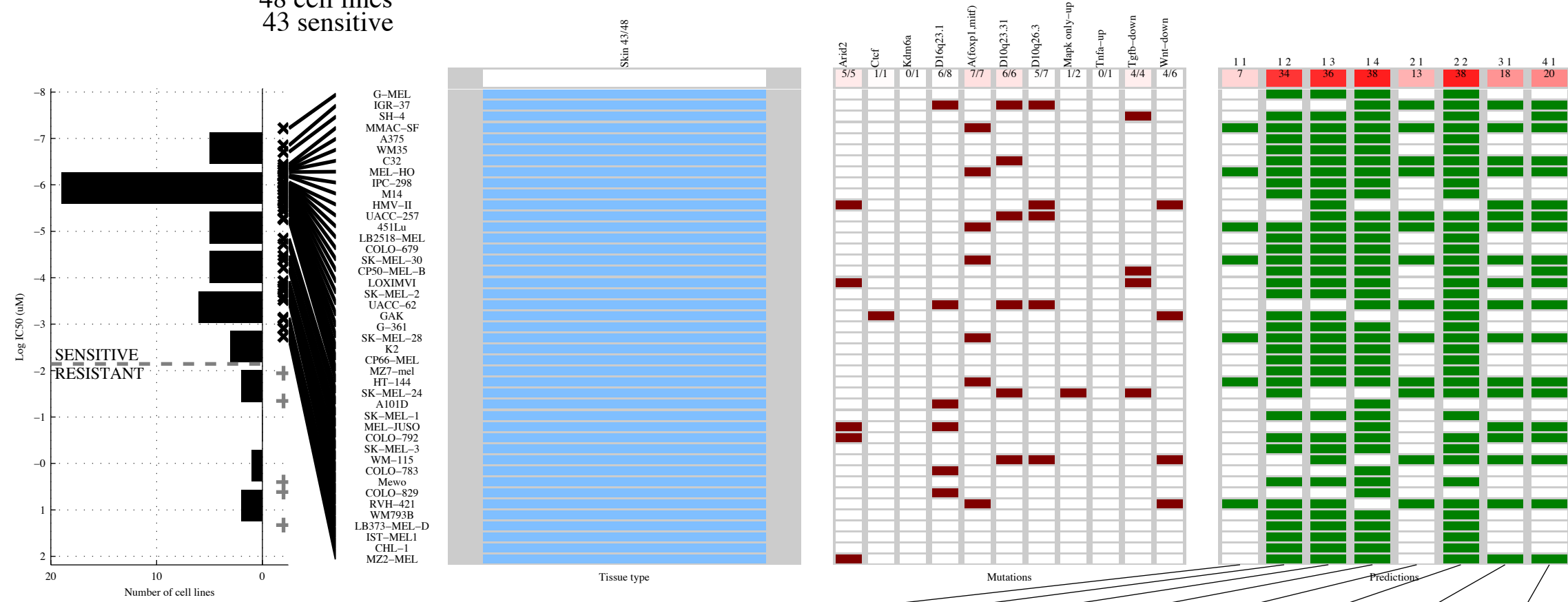
52 cell lines  
 36 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>TGFB-D</b>	<b>BRAF &amp; ¬d10q26</b>	<b>BRAF &amp; ¬d10q26 &amp; ¬H2O2-U</b>	<b>BRAF &amp; KDM6 &amp; ¬NRAS &amp; TNFa-U</b>	<b>d10q23   TGFB-D</b>	<b>[ BRAF &amp; ¬d10q26 ]   [ d10q23 &amp; ]</b>	<b>a(FOXP   d10q23   TGFB-D</b>	<b>EP300   a(FOXP   d10q23   TGFB-D</b>
TP   FP	5   0	29   3	29   2	33   3	9   0	33   3	15   1	16   1
Specificity	1	0.81	0.88	0.81	1	0.81	0.94	0.94
FN   TN	31   16	7   13	7   14	3   13	27   16	3   13	21   15	20   15
Precision	1	0.91	0.94	0.92	1	0.92	0.94	0.94
Recall	0.14	0.81	0.81	0.92	0.25	0.92	0.42	0.44

SKCM  
 id: 1372 name: Trametinib  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

48 cell lines  
 43 sensitive

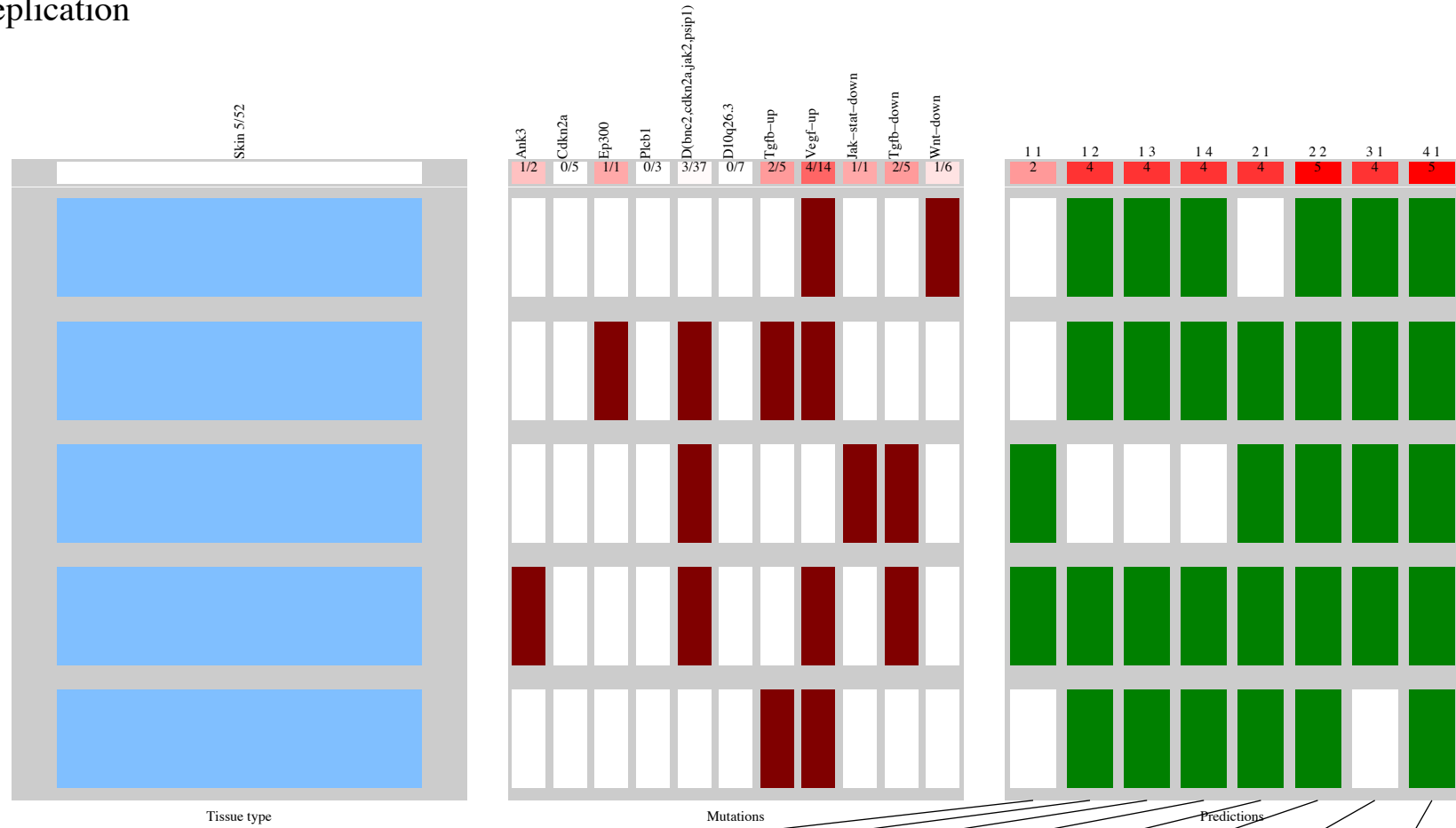
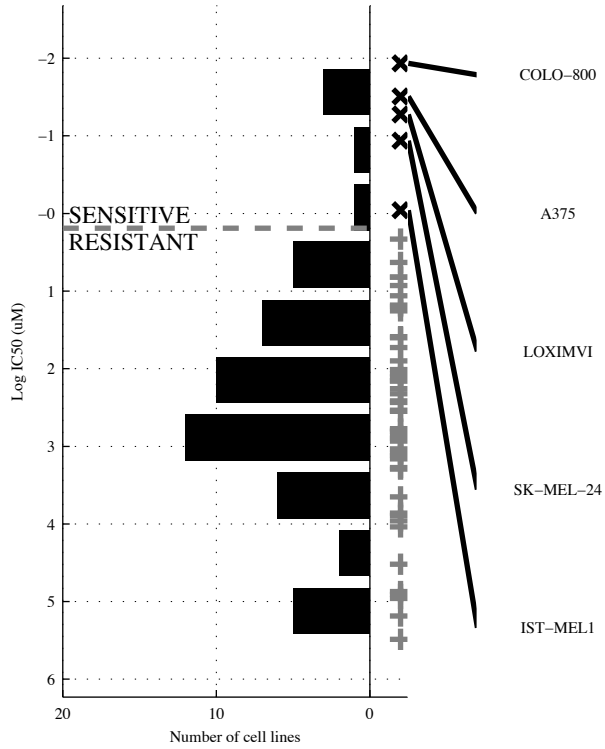


Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
M																
Logic formula	<b>a(FOXP)</b>		<b>¬d16q23&amp;¬d10q26</b>		<b>¬KDM6&amp;¬d16q23&amp;¬MAPK o</b>		<b>¬KDM6&amp;MAPK &amp;¬TNFa-&amp;Wnt-DO</b>		<b>a(FOXP   d10q23</b>		<b>[ ¬CTCF&amp;d10q23 ]   [ ¬d16q23&amp;¬d10q26 ]</b>		<b>ARID2   a(FOXP   d10q23</b>		<b>ARID2   a(FOXP   d10q23   TGFB-D</b>	
TP   FP	7   0	1	34   1	0.8	36   1	0.8	38   0	1	13   0	1	38   1	0.8	18   0	1	20   0	1
FN   TN	36   5	1	9   4	0.97	7   4	0.97	5   5	1	30   5	1	5   4	0.97	25   5	1	23   5	1
Specificity																
Precision																
Recall		0.16		0.79		0.84		0.88		0.3		0.88		0.42		0.47



SKCM  
 id: 1378 name: Bleomycin (50 uM)  
 target: DNA damage class: DNA replication

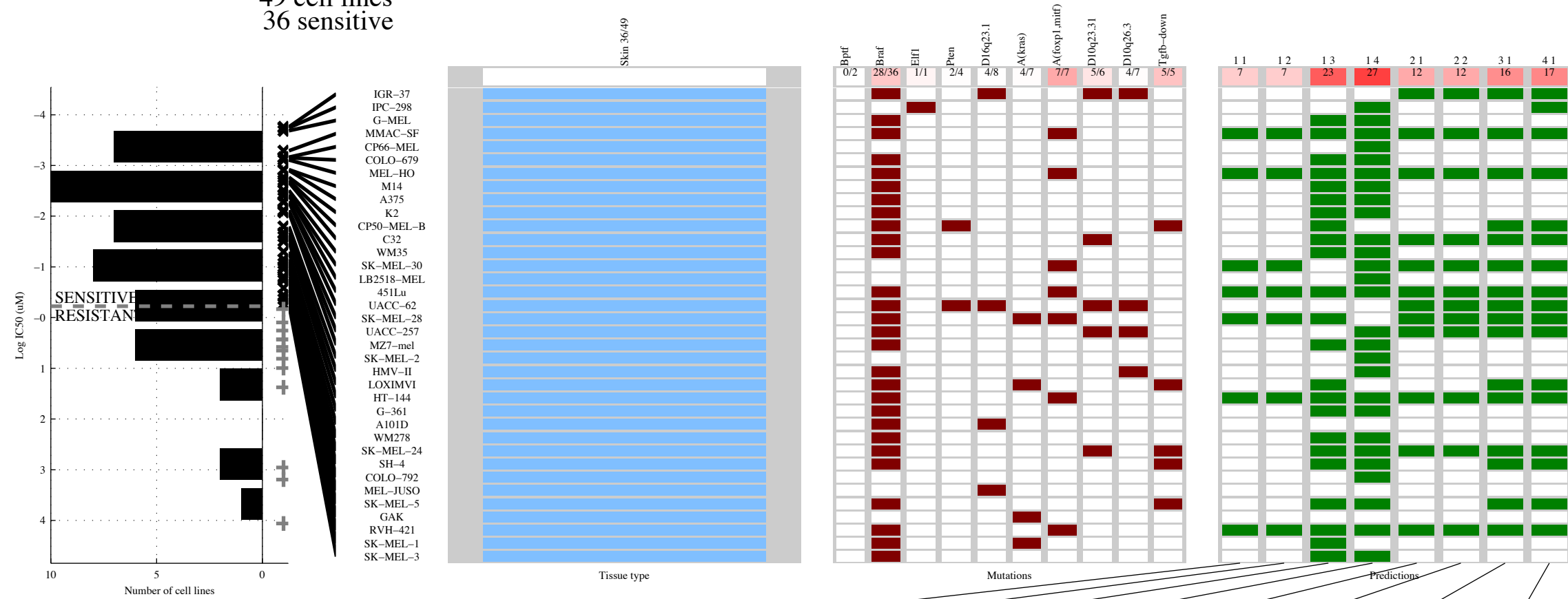
52 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>TGFB-D</b>	<b>-d10q26&amp;VEGF-U</b>	<b>-PLCB1&amp;-d10q26&amp;VEGF-U</b>	<b>-CDKN2&amp;-PLCB1&amp;-d10q26&amp;VEGF-U</b>	<b>TGFB-U TGFB-D</b>	<b>[ -d10q26&amp;VEGF-U ]   [ d(BNC2&amp;JAK-ST) ]</b>	<b>EP300  TGFB-D  Wnt-DO</b>	<b>ANK3  TGFB-U  JAK-ST Wnt-DO</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{2}{3} \mid \frac{3}{44}$ 0.94 0.4 0.4	$\frac{4}{1} \mid \frac{7}{40}$ 0.85 0.36 0.8	$\frac{4}{1} \mid \frac{5}{42}$ 0.89 0.44 0.8	$\frac{4}{1} \mid \frac{4}{43}$ 0.91 0.5 0.8	$\frac{4}{1} \mid \frac{6}{41}$ 0.87 0.4 0.8	$\frac{5}{0} \mid \frac{7}{40}$ 0.85 0.42 1	$\frac{4}{1} \mid \frac{8}{39}$ 0.83 0.33 0.8	$\frac{5}{0} \mid \frac{8}{39}$ 0.83 0.38 1

SKCM  
 id: 1498 name: AZD6244  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

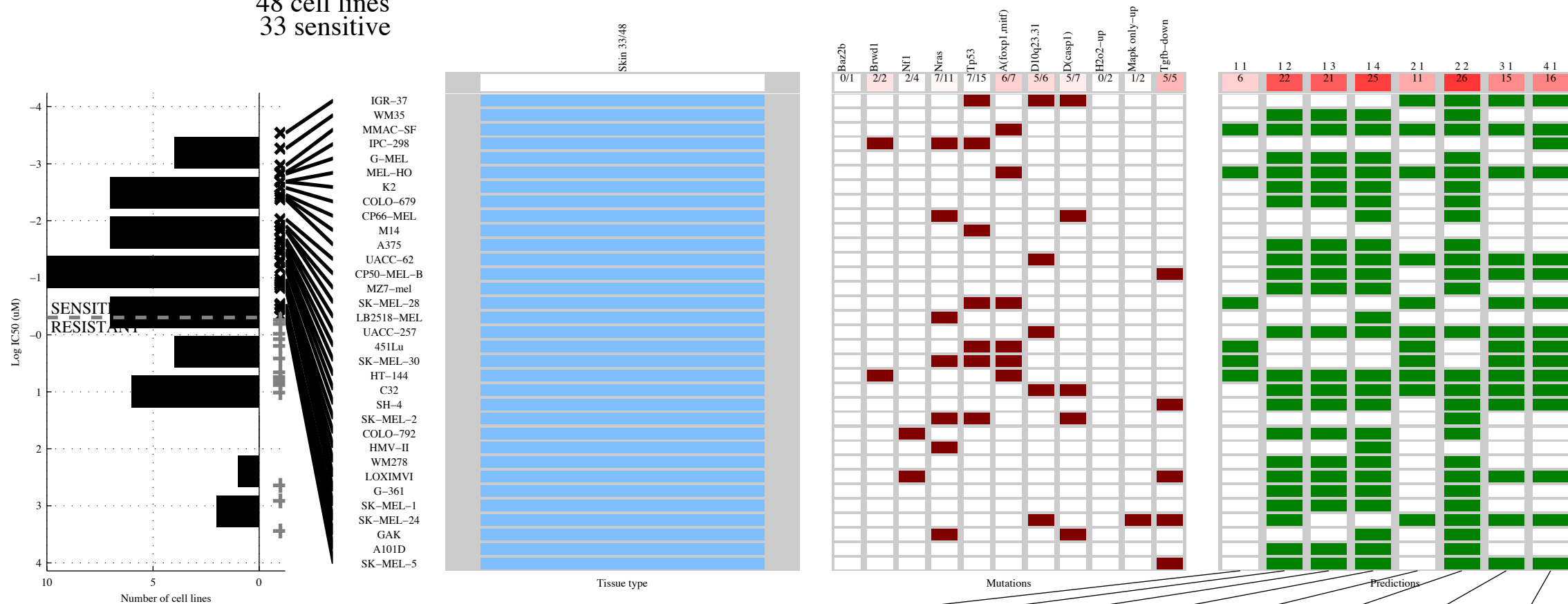
49 cell lines  
 36 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1									
K	M																							
Logic formula	<b>a(FOXP</b>		<b>a(FOXP&amp;</b>		<b>BRAF &amp;-d16q23&amp;</b> <b>-d10q26</b>		<b>-BPTF &amp;-PTEN&amp;</b> <b>-d16q23&amp;a(KRAS</b>		<b>a(FOXP   d10q23</b>		<b>[ a(FOXP&amp;</b> <b> </b> <b>[ -BPTF &amp;d10q23 ]</b>		<b>a(FOXP   d10q23  </b> <b>TGFB-D</b>		<b>ELF1   a(FOXP  </b> <b>d10q23  TGFB-D</b>									
Specificity	7	0	1	7	0	1	23	2	0.85	27	2	0.85	12	1	0.92	12	0	1	16	1	0.92	17	1	0.92
Precision	7	0	1	7	0	1	23	2	0.92	27	2	0.93	12	1	0.92	12	0	1	16	1	0.94	17	1	0.94
Recall	29	13	0.19	29	13	0.19	13	11	0.64	9	11	0.75	24	12	0.33	24	13	0.33	20	12	0.44	19	12	0.47

SKCM  
 id: 1526 name: RDEA119 (rescreen)  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

48 cell lines  
 33 sensitive

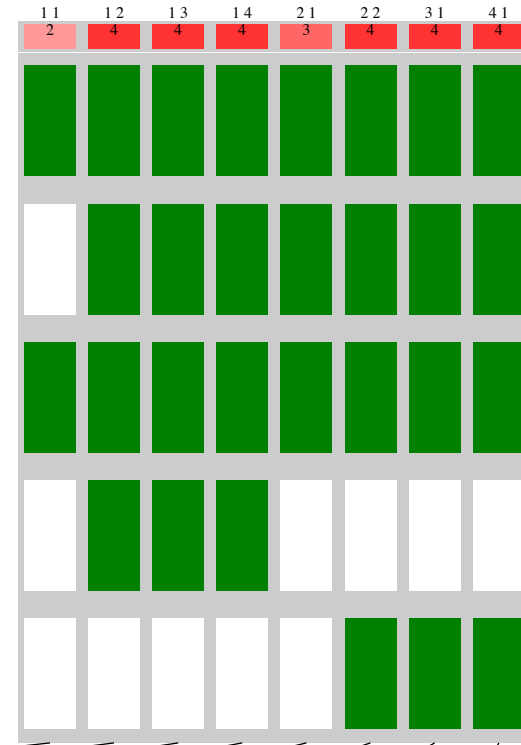
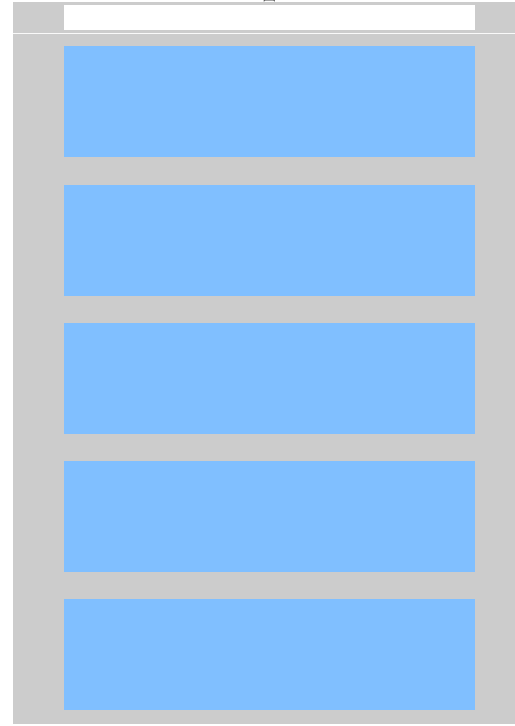
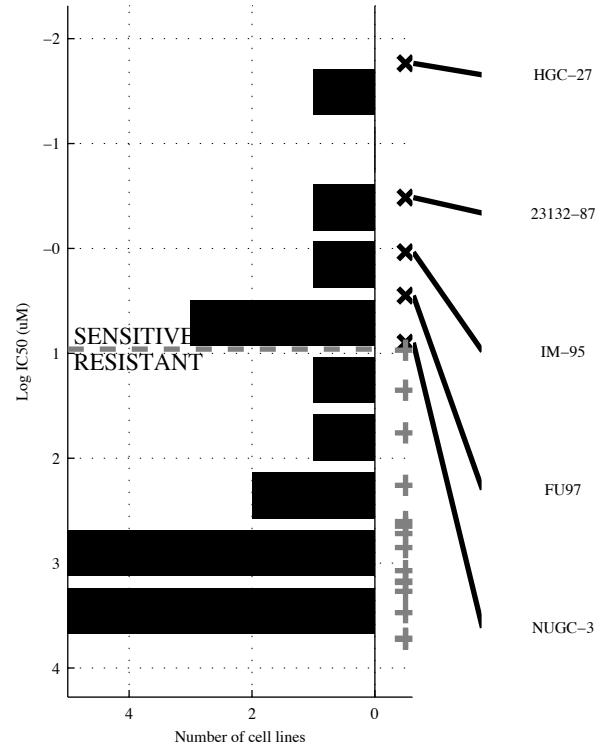


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>a(FOXP)</b>	<b>¬NRAS &amp; ¬TP53</b>	<b>¬NRAS &amp; ¬TP53 &amp; ¬MAPK o</b>	<b>¬BAZ2B &amp; ¬TP53 &amp; ¬H2O2- &amp; MAPK o</b>	<b>a(FOXP   d10q23</b>	<b>[ ¬NF1 &amp; d(CASP)   [ ¬NRAS &amp; ¬TP53 ]</b>	<b>a(FOXP   d10q23   TGFB-D</b>	<b>BRWD1   a(FOXP   d10q23   TGFB-D</b>
TP   FP	6   1	22   3	21   2	25   3	11   2	26   3	15   2	16   2
Specificity	0.93	0.8	0.87	0.8	0.87	0.8	0.87	0.87
FN   TN	27   14	11   12	12   13	8   12	22   13	7   12	18   13	17   13
Precision	0.86	0.88	0.91	0.89	0.85	0.9	0.88	0.89
Recall	0.18	0.67	0.64	0.76	0.33	0.79	0.45	0.48

STAD  
 id: 171 name: AKT inhibitor VIII  
 target: AKT1, AKT2, AKT3 class: PI3K signaling

20 cell lines  
 5 sensitive

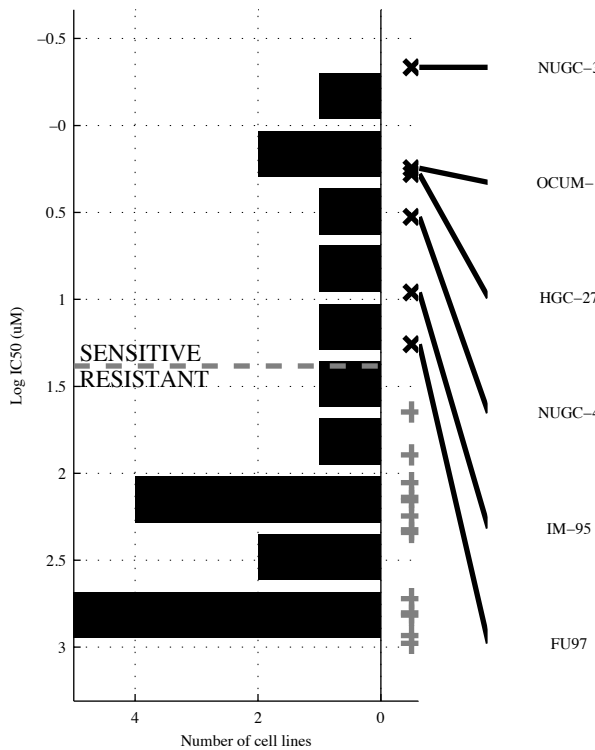
Digestive system 5/20



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>PIK3CA</b>	<b>¬d(CDK1&amp;d20p12</b>	<b>¬d(CDK1&amp;d20p12&amp;¬a18q11</b>	<b>¬FAM123&amp;d(CDK1&amp;d20p12&amp;¬a18q11</b>	<b>TP53BP1 d(PTEN</b>	<b>[ d20p12&amp;d(PTEN )   [ARID1A&amp;ARID1B]</b>	<b>ACVR2A  CEP290   d(PTEN</b>	<b>CEP290   NR4A2   d(PTEN  </b>
TP   FP	2   2	4   2	4   1	4   0	3   0	4   0	4   0	4   0
FN   TN	3   13	1   13	1   14	1   15	2   15	1   15	1   15	1   15
Specificity	0.87	0.87	0.93	1	1	1	1	1
Precision	0.5	0.67	0.8	1	1	1	1	1
Recall	0.4	0.8	0.8	0.8	0.6	0.8	0.8	0.8

STAD  
 id: 202 name: GSK-1904529A  
 target: IGF1R class: IGFR signaling

19 cell lines  
 6 sensitive

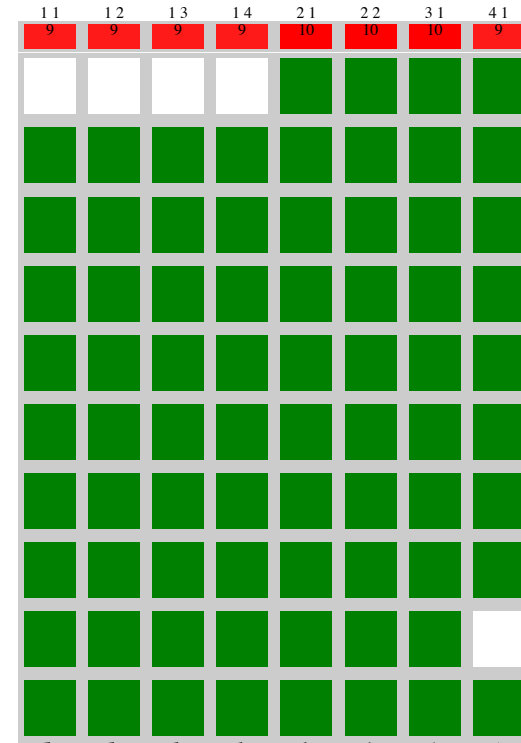
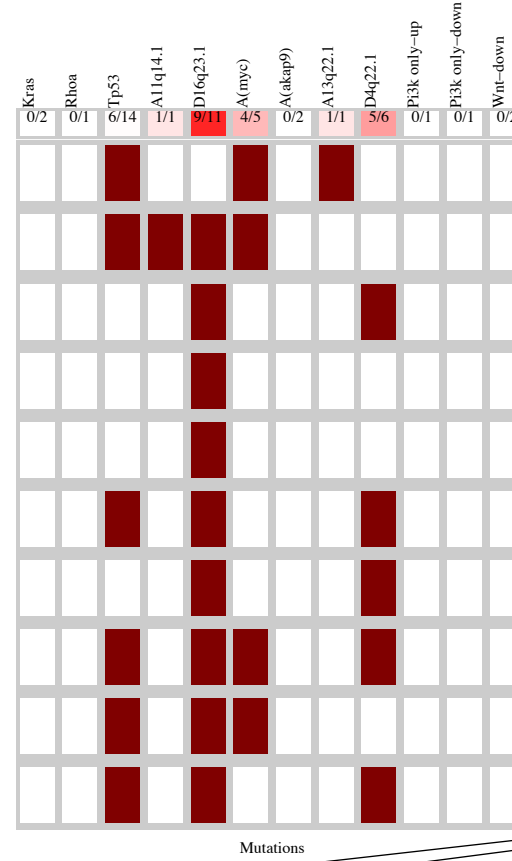
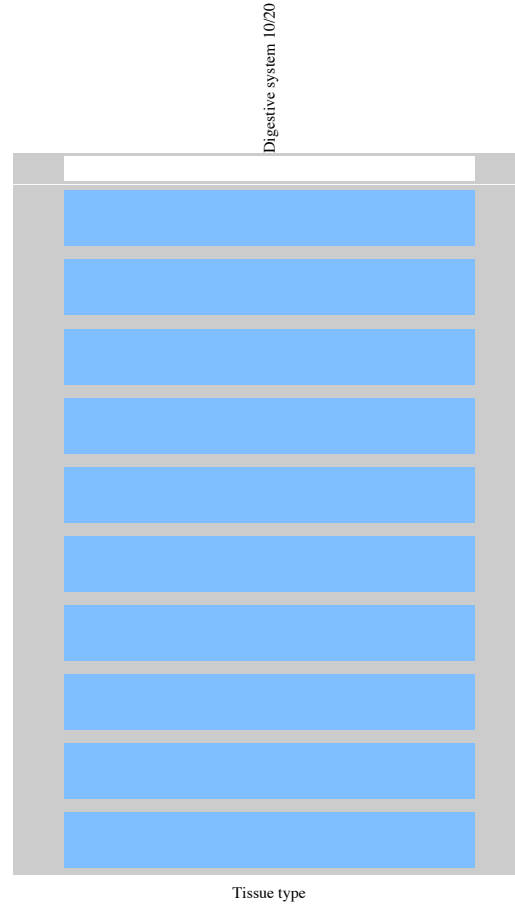
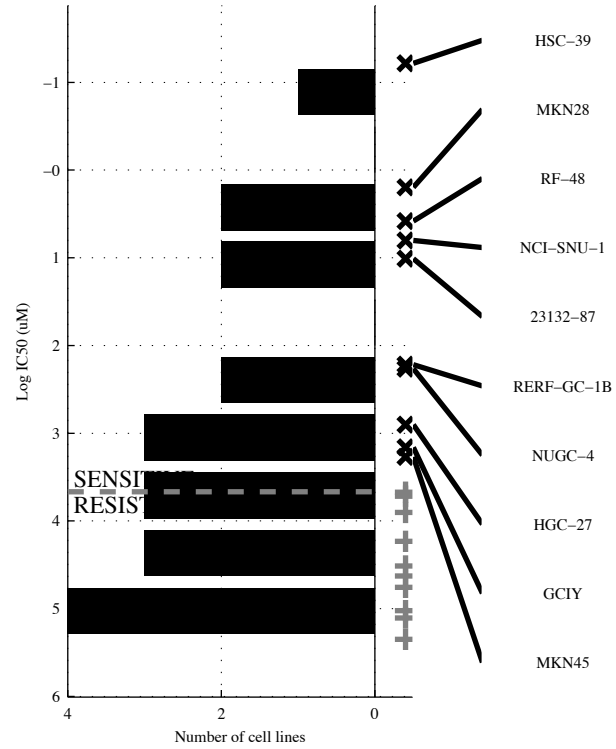


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>ARID1A</b>	<b>ARID1A &amp; d16q23</b>	<b>-CDH1 &amp; TP53 &amp; d(CDKN</b>	<b>-CDH1 &amp; EIF4G &amp; TP53 &amp; d(CDKN</b>	<b>ARID1A   ATR</b>	<b>[ARID1A &amp; d20p12]   [PIK3CA &amp; d(FAT1]</b>	<b>ARID1A   ATR   TJP2</b>	<b>ACVR2A   ATR   TJP2   Wnt-DO</b>
TP   FP	3   2	3   0	4   2	4   1	4   2	4   0	5   2	5   0
Specificity	0.85	1	0.85	0.92	0.85	1	0.85	1
FN   TN	3   11	3   13	2   11	2   12	2   11	2   13	1   11	1   13
Precision	0.6	1	0.67	0.8	0.67	1	0.71	1
Recall	0.5	0.5	0.67	0.67	0.67	0.67	0.83	0.83



STAD  
 id: 300 name: CX-5461  
 target: RNA Pol I class: other

20 cell lines  
 10 sensitive

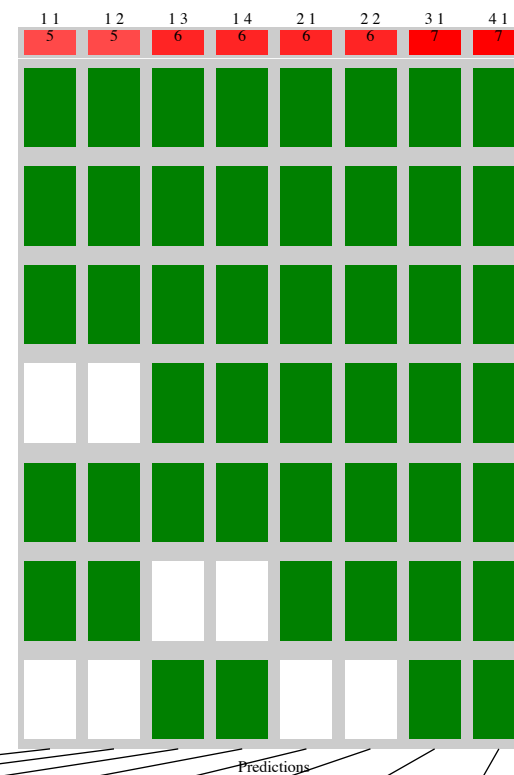
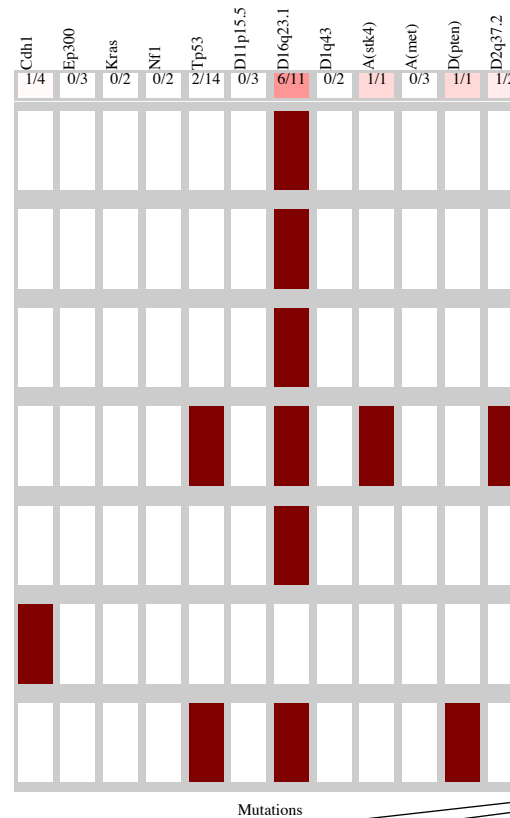
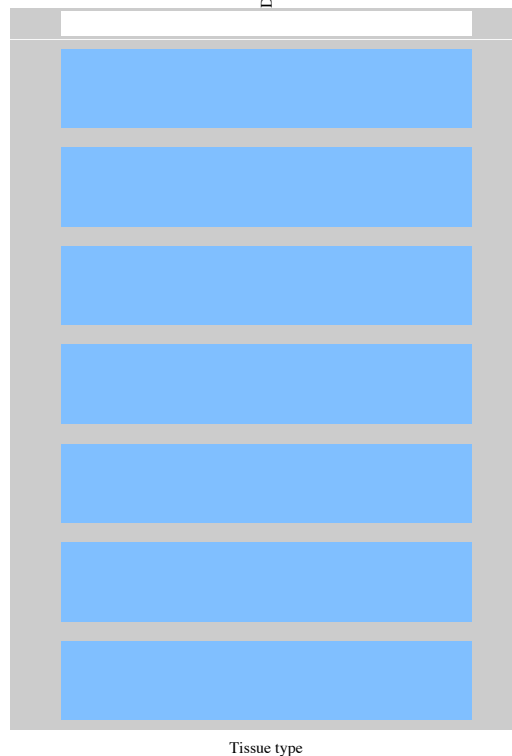
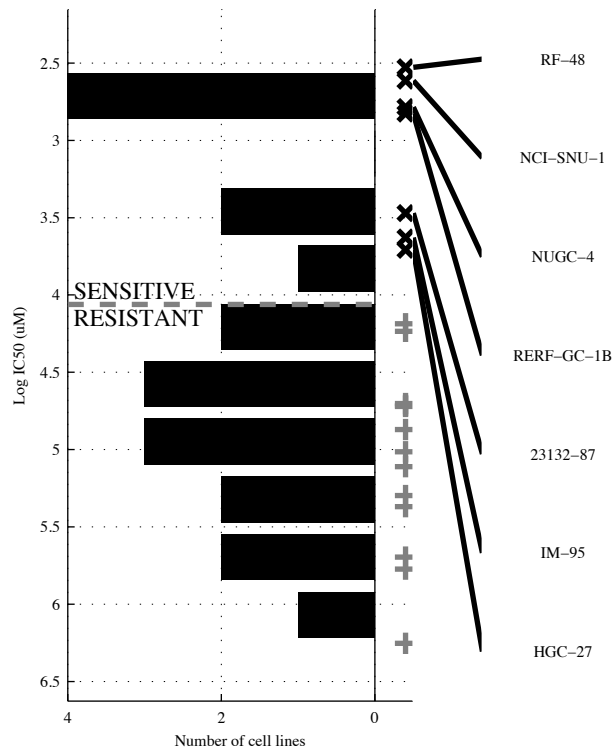


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d16q23</b>	<b>d16q23 &amp; ~PI3K o</b>	<b>d16q23 &amp; ~PI3K o &amp; ~PI3K o</b>	<b>~KRAS &amp; d16q23 &amp; ~a(AKAI &amp;</b>	<b>d16q23   a13q22</b>	<b>[ d16q23 &amp; Wnt-DQ   [-RHOA &amp; a(MYC) ]</b>	<b>d16q23   a13q22  </b>	<b>-TP53   a11q14   a13q22   d4q22.</b>
TP   FP	9   2	9   1	9   0	9   0	10   2	10   1	10   2	9   2
Specificity	0.8	0.9	1	1	0.8	0.9	0.8	0.8
FN   TN	1   8	1   9	1   10	1   10	0   8	0   9	0   8	1   8
Precision	0.82	0.9	1	1	0.83	0.91	0.83	0.82
Recall	0.9	0.9	0.9	0.9	1	1	1	0.9

STAD  
 id: 309 name: Y-39983  
 target: ROCK class: cytoskeleton

20 cell lines  
 7 sensitive

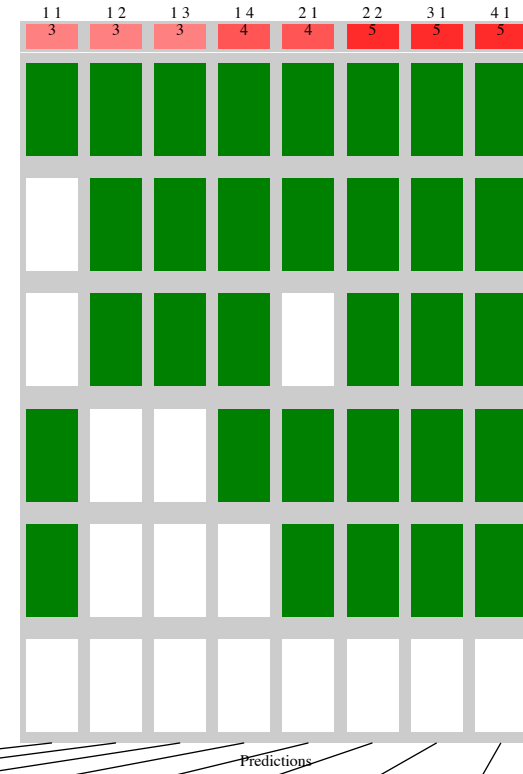
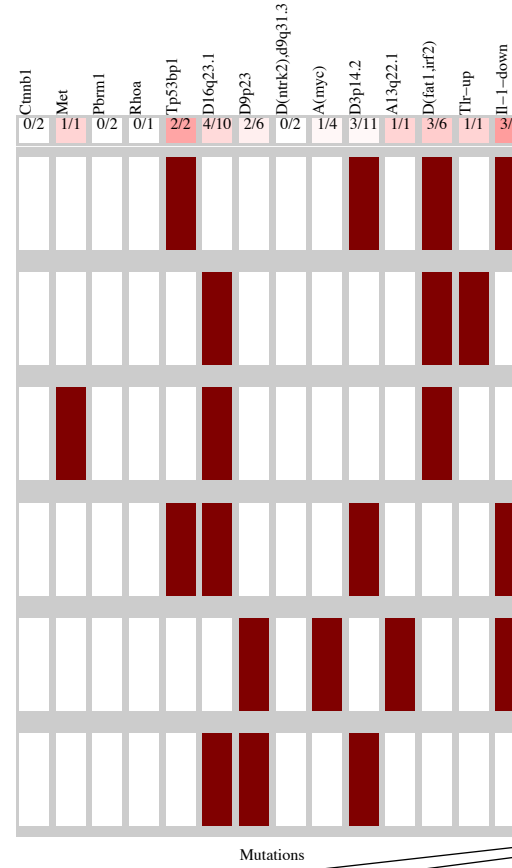
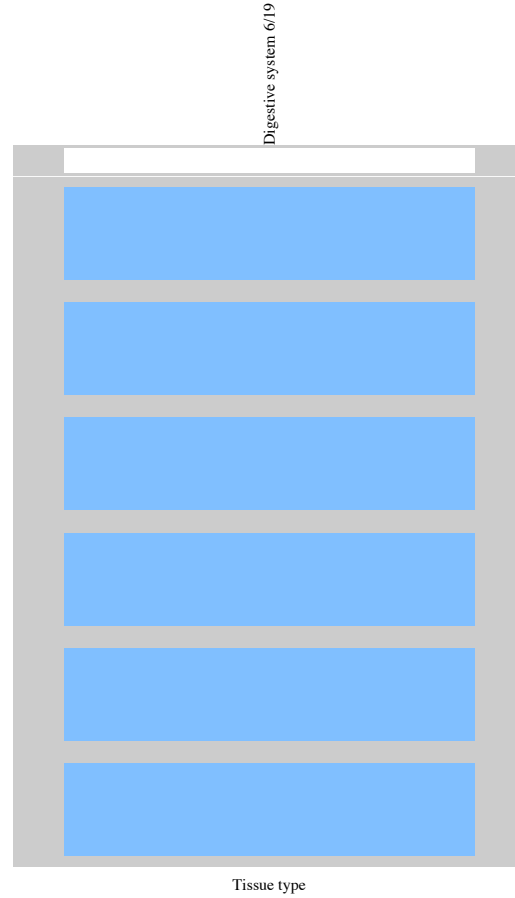
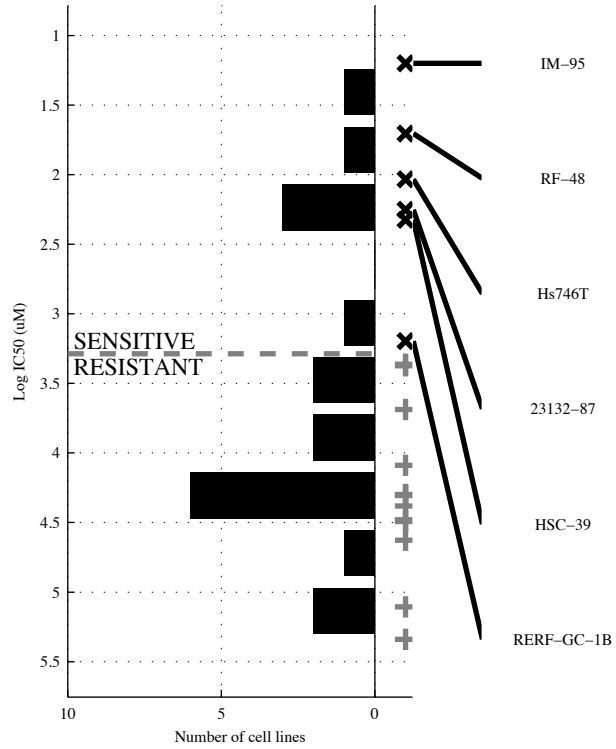
Digestive system 7/20



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>-TP53</b>	<b>-EP300 &amp; -TP53</b>	<b>-CDH1 &amp; d16q23 &amp; -d1q43</b>	<b>-CDH1 &amp; -NF1 &amp; -d11p15 &amp; d16q23</b>	<b>-TP53   a(STK4)</b>	<b>[ -KRAS &amp; -TP53 ]   [ -a(MET) &amp; d2q37. ]</b>	<b>-TP53   a(STK4)   d(PTEN)</b>	<b>-TP53   a(STK4)   d(PTEN)</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{5}{2} \mid \frac{1}{12}$ 0.92 0.83 0.71	$\frac{5}{2} \mid \frac{0}{13}$ 1 1 0.71	$\frac{6}{1} \mid \frac{1}{12}$ 0.92 0.86 0.86	$\frac{6}{1} \mid \frac{0}{13}$ 1 1 0.86	$\frac{6}{1} \mid \frac{1}{12}$ 0.92 0.86 0.86	$\frac{6}{1} \mid \frac{0}{13}$ 1 1 0.86	$\frac{7}{0} \mid \frac{1}{12}$ 0.92 0.88 1	$\frac{7}{0} \mid \frac{1}{12}$ 0.92 0.88 1

STAD  
 id: 326 name: GSK690693  
 target: AKT class: PI3K signaling

19 cell lines  
 6 sensitive



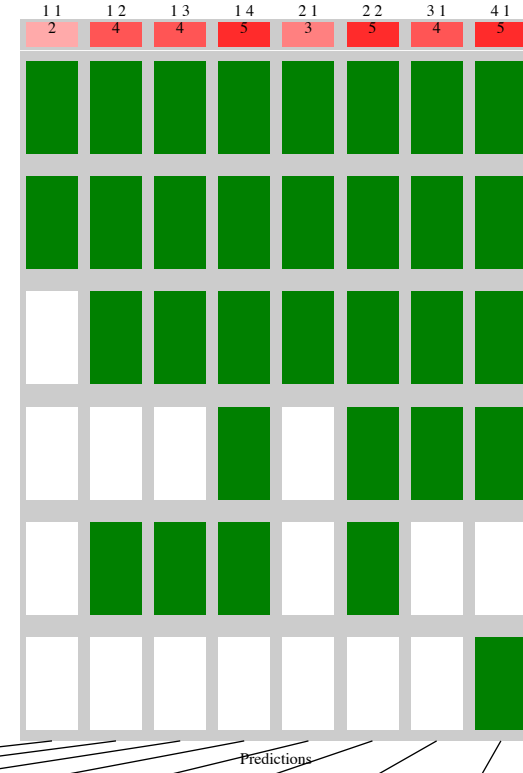
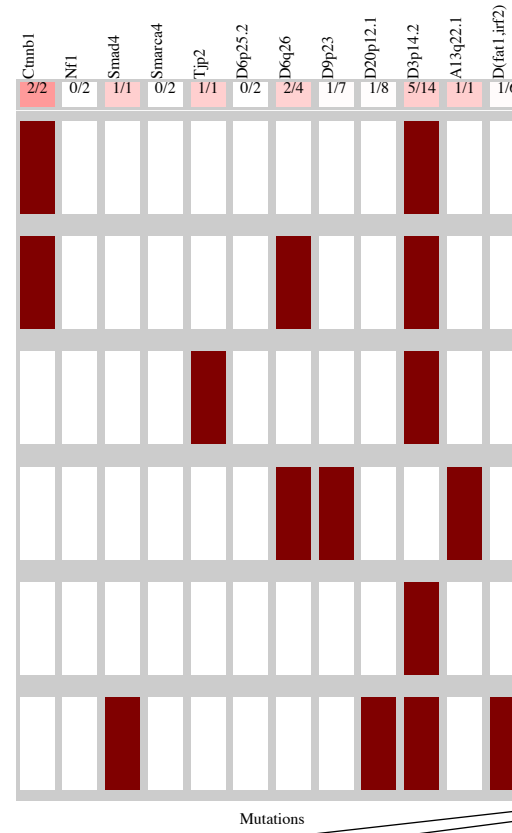
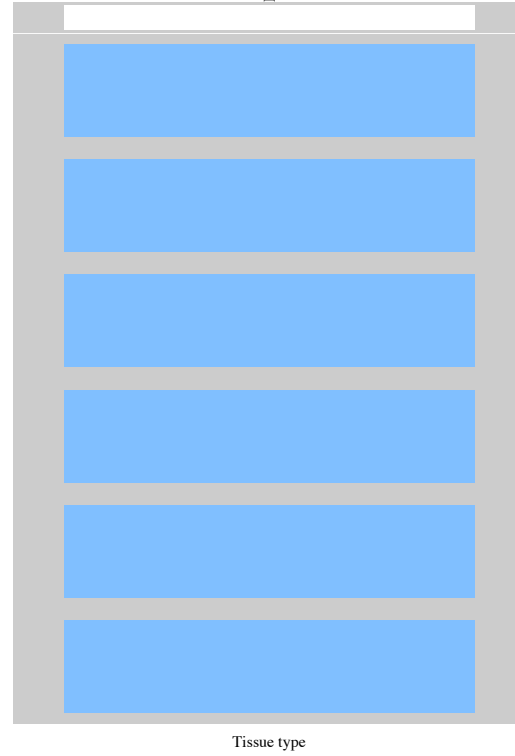
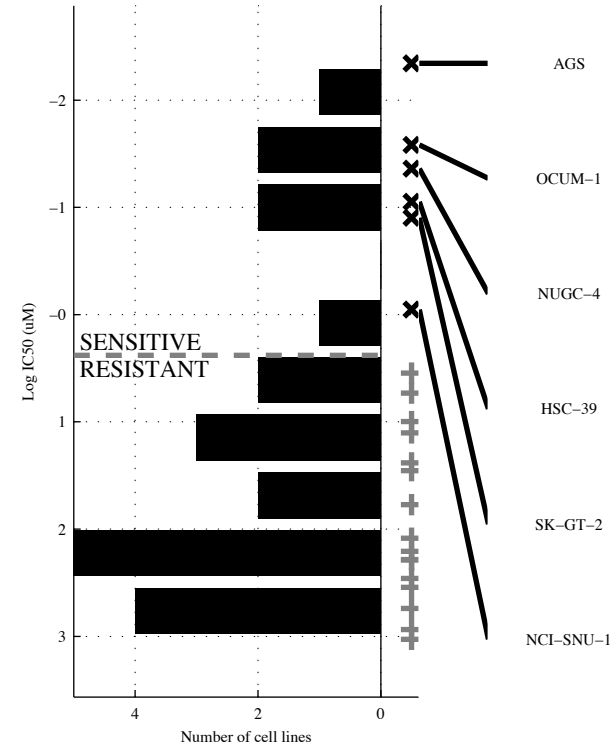
Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>IL-1-D</b>	<b>-PBRM1 &amp; d(FAT1)</b>	<b>-PBRM1 &amp; d(NTRK2)</b> <b>d(FAT1)</b>	<b>-CTNNA1 &amp; PBRM1</b> <b>-d9p23 &amp; a(MYC)</b>	<b>TLR-UP   IL-1-D</b>	<b>[ -RHOA &amp; IL-1-D ]</b> <b> </b> <b>[ d16q23 &amp; -d3p14. ]</b>	<b>MET   TLR-UP  </b> <b>IL-1-D</b>	<b>MET   TP53BP1</b> <b>a13q22   TLR-UP</b>
TP   FP	3   1	3   1	3   0	4   2	4   1	5   0	5   1	5   0
Specificity	0.92	0.92	1	0.85	0.92	1	0.92	1
FN   TN	3   12	3   12	3   13	2   11	2   12	1   13	1   12	1   13
Precision	0.75	0.75	1	0.67	0.8	1	0.83	1
Recall	0.5	0.5	0.5	0.67	0.67	0.83	0.83	0.83



STAD  
 id: 1011 name: ABT-263  
 target: BCL2, BCL2L1, BCL2L2 class: apoptosis regulation

22 cell lines  
 6 sensitive

Digestive system 6/22

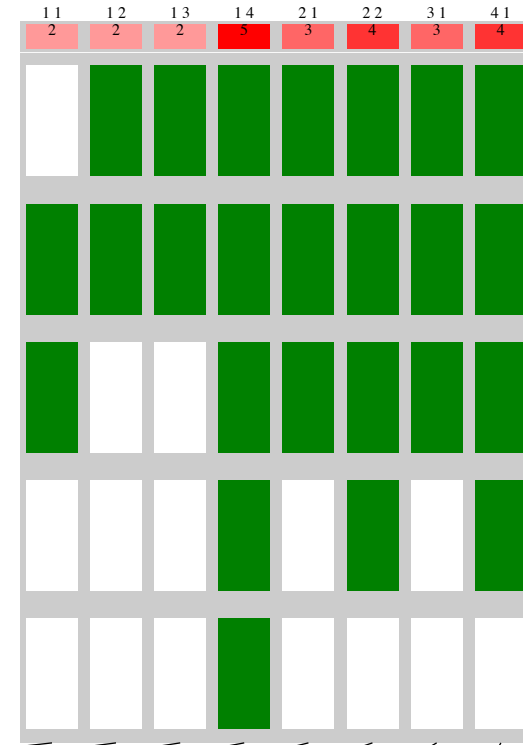
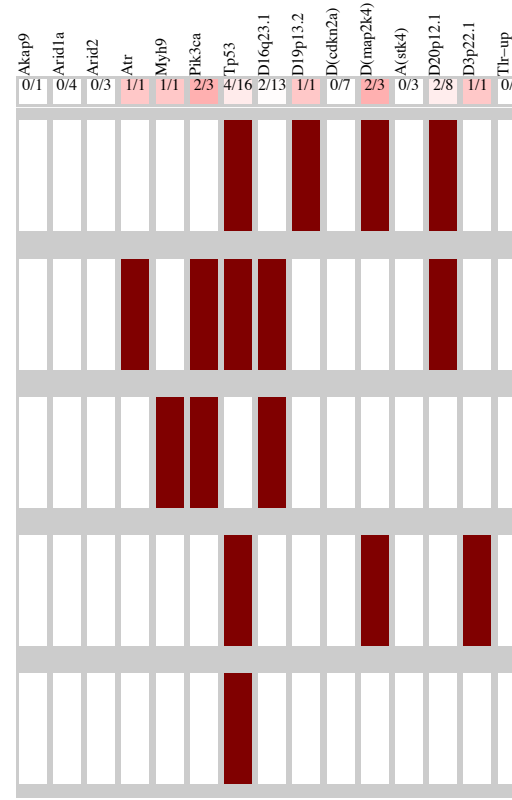
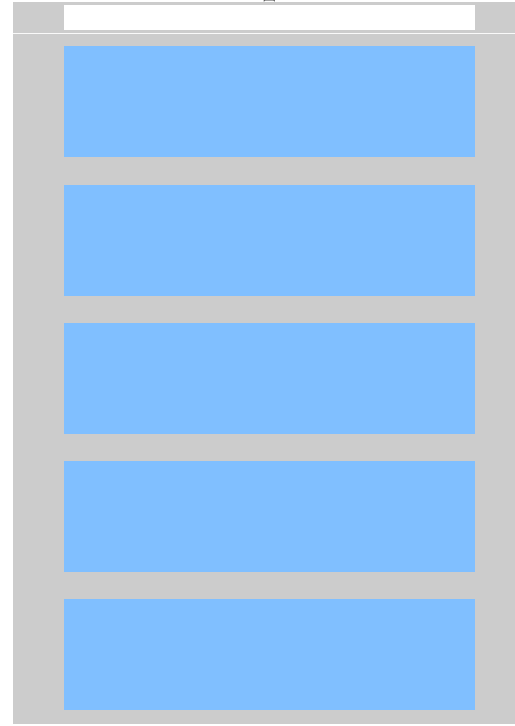
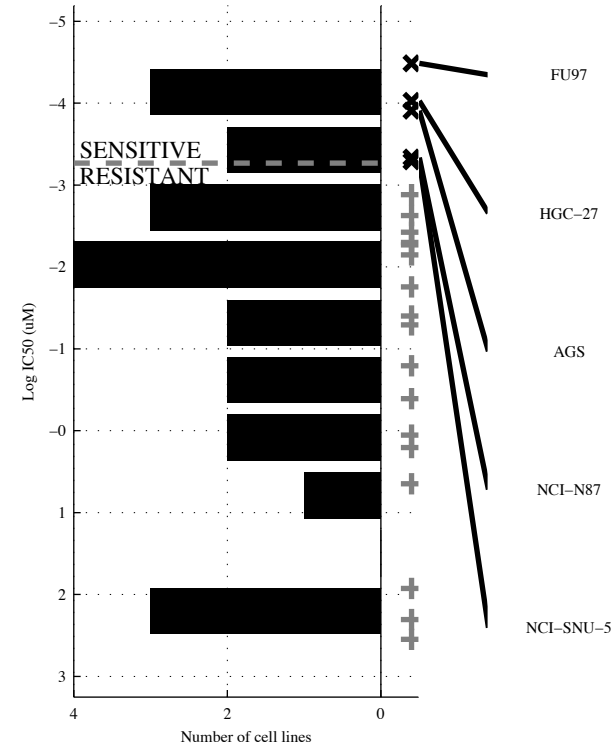


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>CTNNB1</b>	<b>~d20p12 &amp; d3p14.</b>	<b>~d9p23 &amp; ~d20p12 &amp; d3p14.</b>	<b>~NF1 &amp; ~d6p25 &amp; ~d20p12 &amp; ~d(FAT1)</b>	<b>CTNNB1   TJP2</b>	<b>[~SMARC4 &amp; d6q26]   [~d20p12 &amp; d3p14.]</b>	<b>CTNNB1   TJP2   a13q22</b>	<b>CTNNB1   SMAD4   TJP2   a13q22</b>
TP   FP	2   0	4   3	4   1	5   2	3   0	5   3	4   0	5   0
Specificity	1	0.81	0.94	0.88	1	0.81	1	1
FN   TN	4   16	2   13	2   15	1   14	3   16	1   13	2   16	1   16
Precision	1	0.57	0.8	0.71	1	0.63	1	1
Recall	0.33	0.67	0.67	0.83	0.5	0.83	0.67	0.83

STAD  
 id: 1026 name: 17-AAG  
 target: HSP90 class: other

22 cell lines  
 5 sensitive

Digestive system 5/22

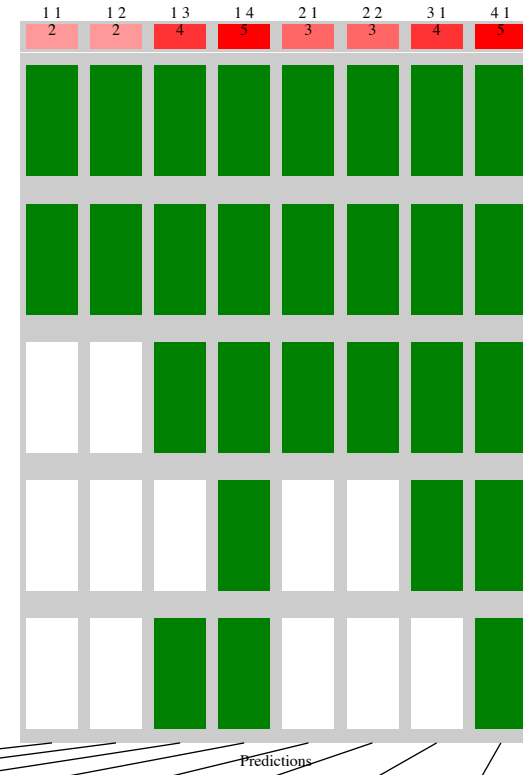
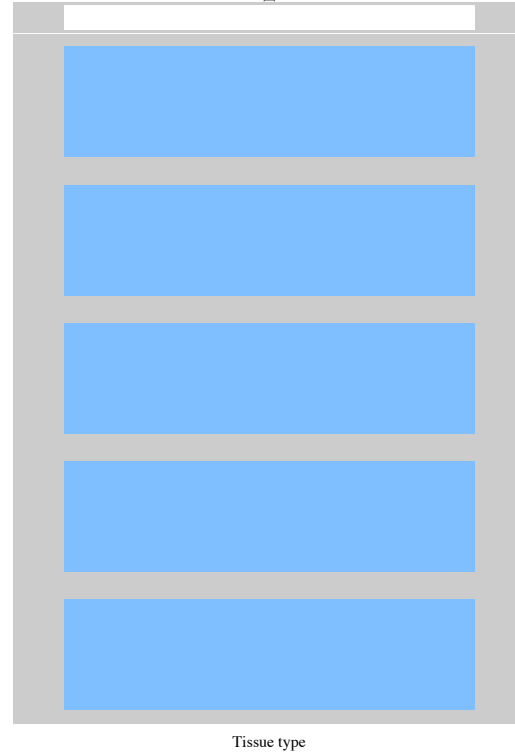
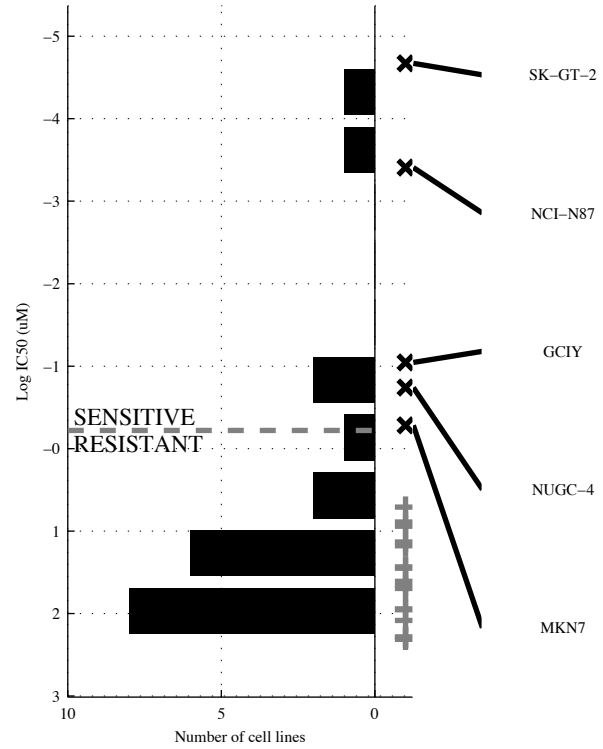


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>PIK3CA</b>	<b>~a(STK4 &amp; d20p12</b>	<b>TP53 &amp; d(CDK2 &amp; d20p12</b>	<b>~ARID1A &amp; ~ARID2 &amp; ~d(CDK2 &amp; TLR-UP</b>	<b>PIK3CA   d19p13</b>	<b>[~d16q23.1 &amp; d(MAP2)   [~AKAP9 &amp; PIK3CA]</b>	<b>ATR   MYH9   d19p13</b>	<b>ATR   MYH9   d19p13   d3p22.</b>
TP   FP Specificity	2   1 0.94	2   3 0.82	2   1 0.94	5   3 0.82	3   1 0.94	4   0 1	3   0 1	4   0 1
FN   TN Precision	3   16 0.67	3   14 0.4	3   16 0.67	0   14 0.63	2   16 0.75	1   17 1	2   17 1	1   17 1
Recall	0.4	0.4	0.4	1	0.6	0.8	0.6	0.8

STAD  
 id: 1032 name: Afatinib  
 target: ERBB2, EGFR class: EGFR signaling

21 cell lines  
 5 sensitive

Digestive system 5/21

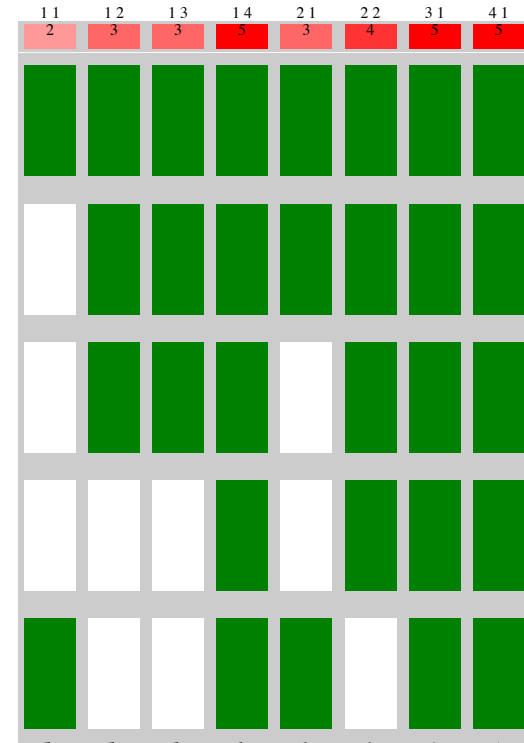
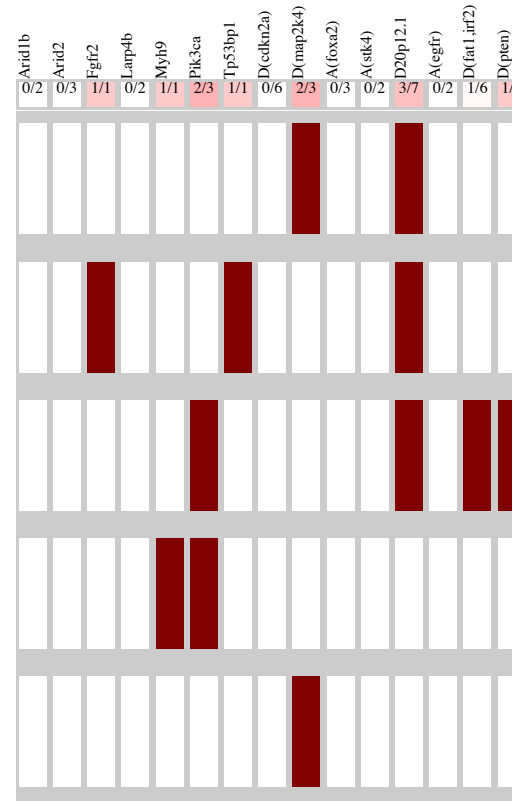
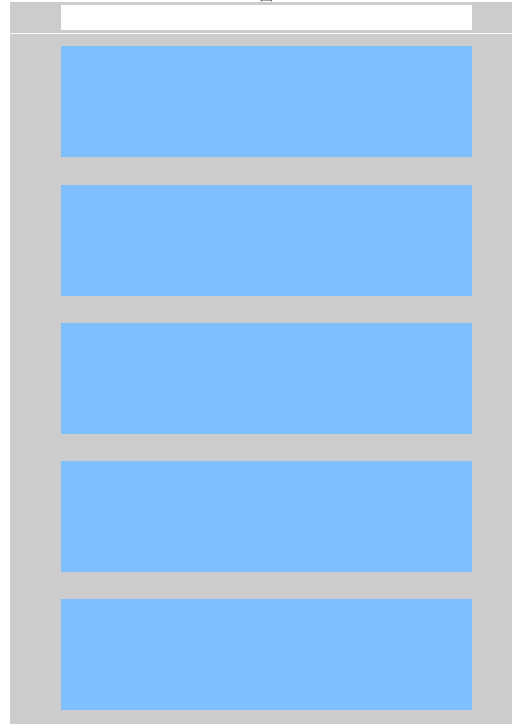
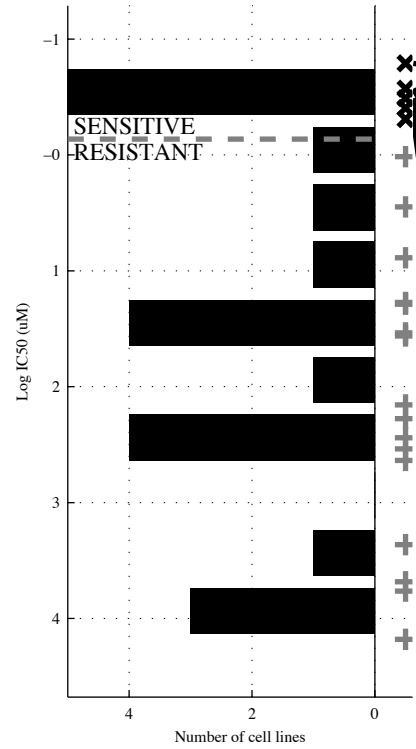


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d(MAP2)</b>	<b>¬d19p13&amp;d(MAP2)</b>	<b>TP53 &amp; ¬d6q26&amp;d3p14.</b>	<b>¬APC &amp; ARID1&amp;¬d6q25.&amp; d3p14.</b>	<b>d(MAP2  a18q11)</b>	<b>[d(MAP2&amp;¬d20p12)   [ CDH1 &amp; d20p12 ]</b>	<b>TJP2  d(MAP2  a18q11)</b>	<b>TJP2  a(ARID   d(MAP2  a18q11)</b>
TP   FP Specificity	$\frac{2}{3}$   $\frac{2}{14}$ 0.88	$\frac{2}{3}$   $\frac{0}{16}$ 1	$\frac{4}{1}$   $\frac{2}{14}$ 0.88	$\frac{5}{0}$   $\frac{1}{15}$ 0.94	$\frac{3}{2}$   $\frac{2}{14}$ 0.88	$\frac{3}{2}$   $\frac{0}{16}$ 1	$\frac{4}{1}$   $\frac{2}{14}$ 0.88	$\frac{5}{0}$   $\frac{2}{14}$ 0.88
FN   TN Precision	$\frac{2}{3}$   $\frac{0}{14}$ 0.5	$\frac{2}{3}$   $\frac{0}{16}$ 1	$\frac{4}{1}$   $\frac{2}{14}$ 0.67	$\frac{5}{0}$   $\frac{1}{15}$ 0.83	$\frac{3}{2}$   $\frac{2}{14}$ 0.6	$\frac{3}{2}$   $\frac{0}{16}$ 1	$\frac{4}{1}$   $\frac{2}{14}$ 0.67	$\frac{5}{0}$   $\frac{2}{14}$ 0.71
Recall	0.4	0.4	0.8	1	0.6	0.6	0.8	1

STAD  
 id: 1053 name: MK-2206  
 target: AKT1, AKT2 class: PI3K signaling

21 cell lines  
 5 sensitive

Digestive system 5/21

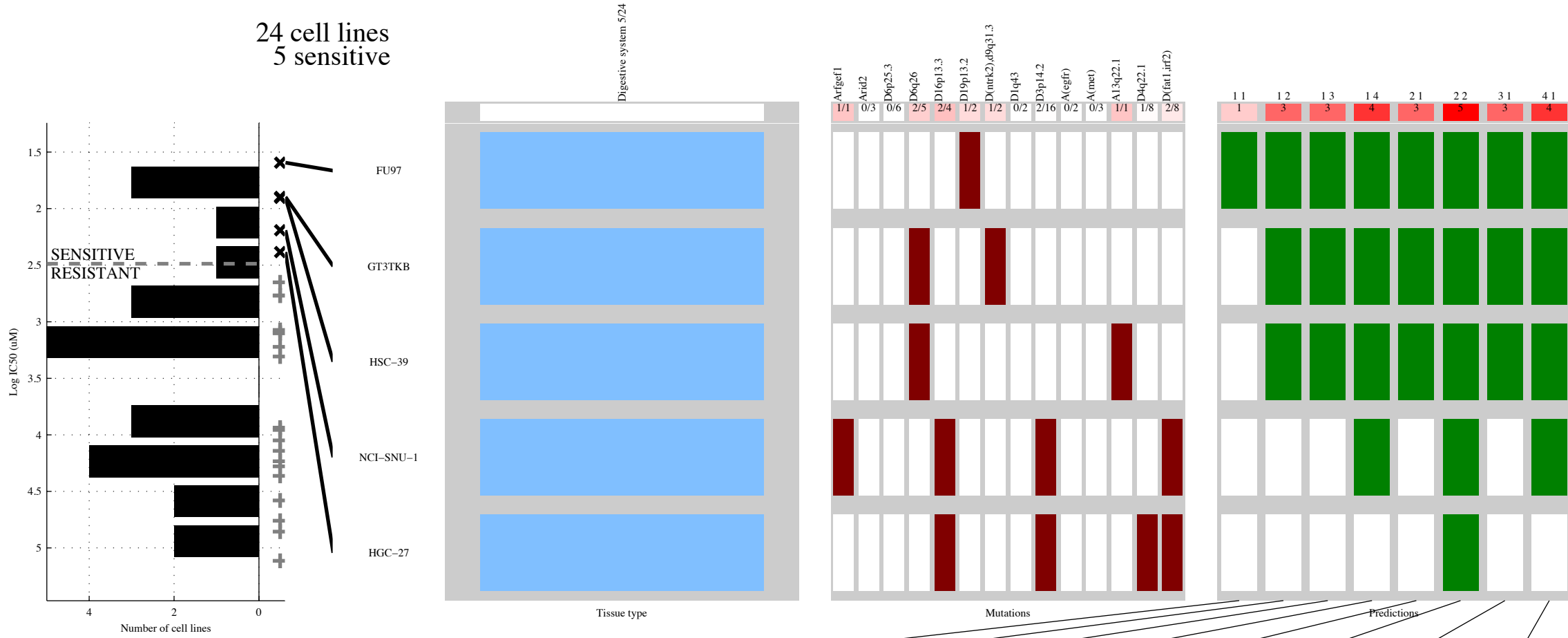


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d(MAP2)</b>	<b>¬a(STK4 &amp; d20p12)</b>	<b>¬ARID1B &amp; a(FOXO3) &amp; d20p12</b>	<b>¬ARID1B &amp; ¬ARID2 &amp; ¬d(CDK4) &amp; a(EGFR)</b>	<b>FGFR2   d(MAP2)</b>	<b>[ d20p12 &amp; ¬d(FAT1) ]   [¬LARP4 &amp; PIK3CA]</b>	<b>PIK3CA   TP53BP1   d(MAP2)</b>	<b>MYH9   TP53BP1   d(MAP2)   d(PTEN)</b>
TP   FP	2   1	3   2	3   1	5   3	3   1	4   2	5   2	5   1
Specificity	0.94	0.88	0.94	0.81	0.94	0.88	0.88	0.94
FN   TN	3   15	2   14	2   15	0   13	2   15	1   14	0   14	0   15
Precision	0.67	0.6	0.75	0.63	0.75	0.67	0.71	0.83
Recall	0.4	0.6	0.6	1	0.6	0.8	1	1



STAD  
 id: 1069 name: EHT 1864  
 target: Rac GTPases class: cytoskeleton

24 cell lines  
 5 sensitive

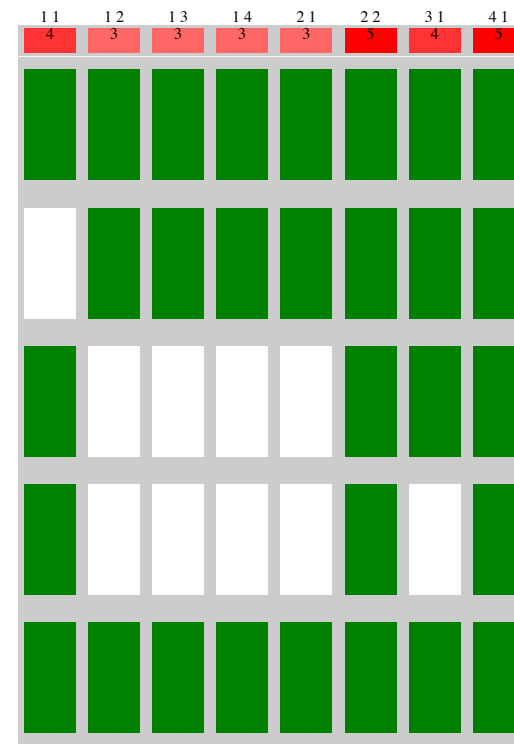
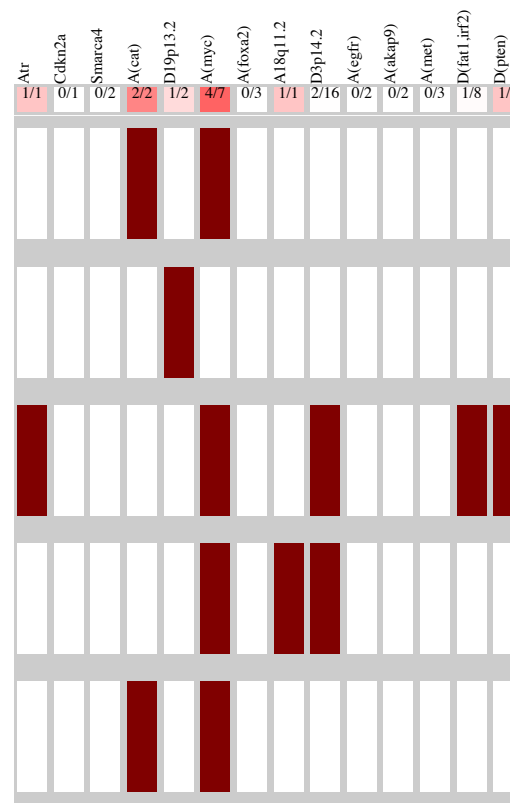
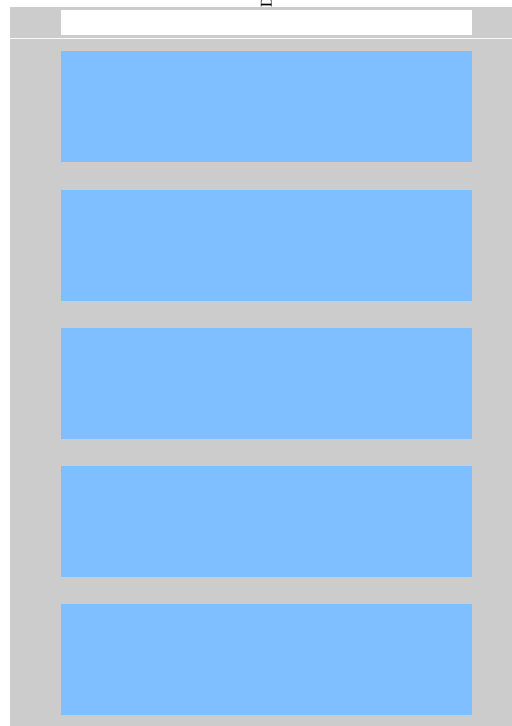
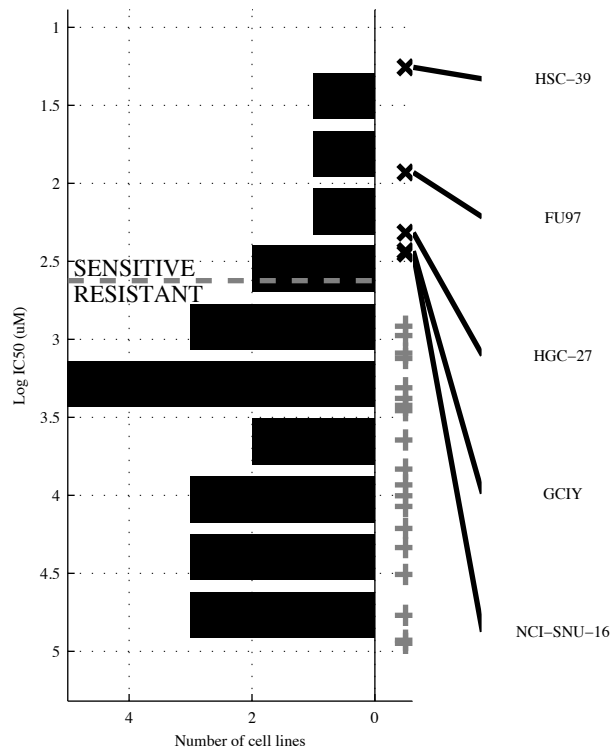


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d19p13</b>	<b>~d3p14 &amp; ~d(FAT1)</b>	<b>~d3p14 &amp; a(EGFR) &amp; ~d(FAT1)</b>	<b>~ARID2 &amp; ~d6p25 &amp; ~a(MET) &amp; ~d4q22.</b>	<b>d6q26   d19p13</b>	<b>[ ~d3p14 &amp; ~d(FAT1)   d16p13 &amp; ~d1q43 ]</b>	<b>d19p13   d(NTRK)   a13q22</b>	<b>ARFGEF   d19p13   d(NTRK)   a13q22</b>
TP   FP	1   1	3   2	3   1	4   2	3   3	5   2	3   1	4   1
Specificity	0.95	0.89	0.95	0.89	0.84	0.89	0.95	0.95
FN   TN	4   18	2   17	2   18	1   17	2   16	0   17	2   18	1   18
Precision	0.5	0.6	0.75	0.67	0.5	0.71	0.75	0.8
Recall	0.2	0.6	0.6	0.8	0.6	1	0.6	0.8

STAD  
 id: 1129 name: PF-4708671  
 target: RPS6KB1 (p70S6KA) class: TOR signaling

24 cell lines  
 5 sensitive

Digestive system 5/24



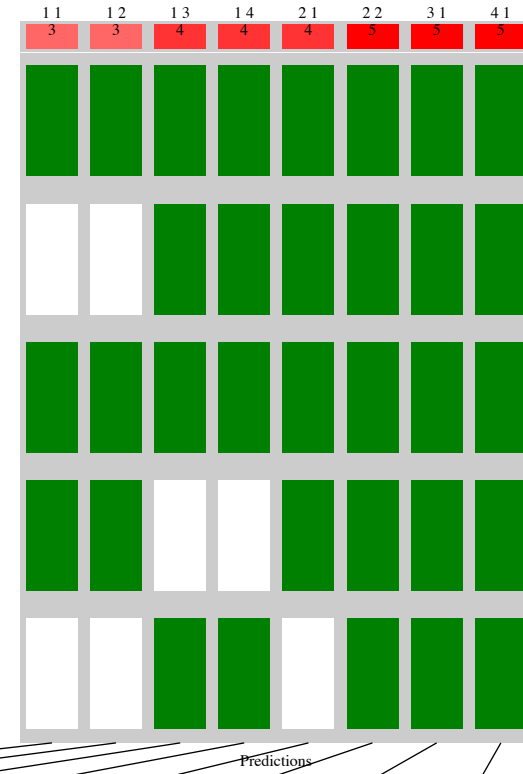
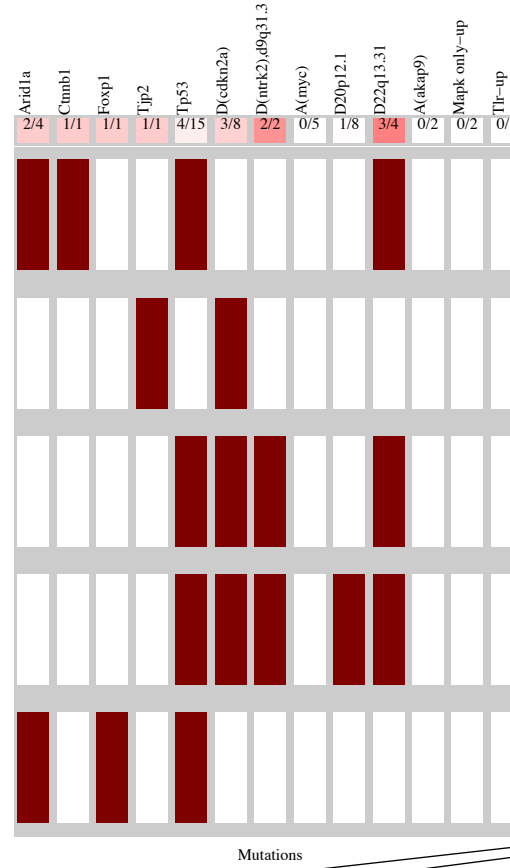
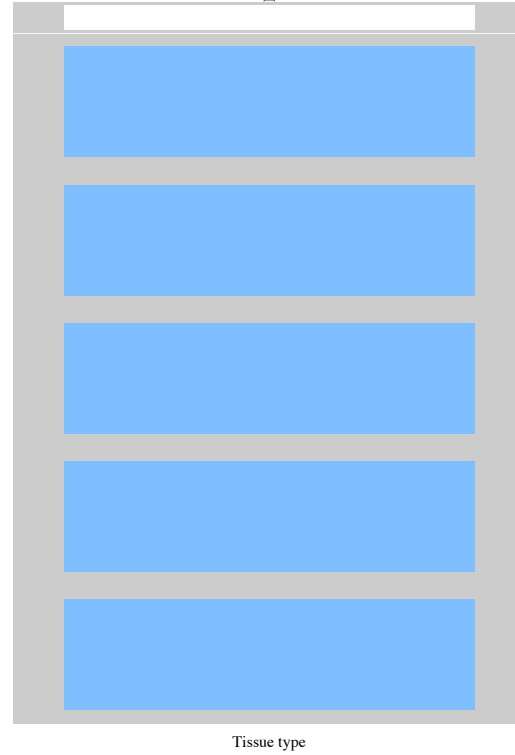
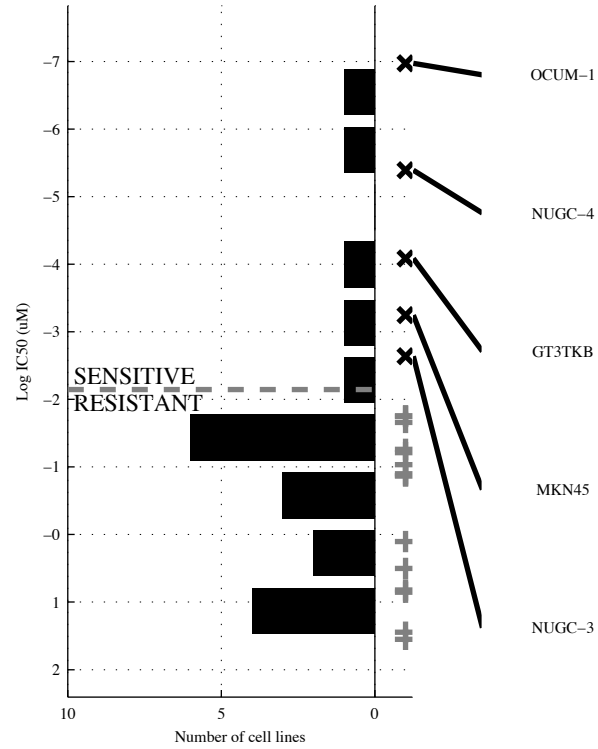
Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>a(MYC)</b>		<b>-d3p14 &amp; a(AKAP)</b>		<b>-CDKN2 &amp; -d3p14 &amp; -d(FAT1)</b>		<b>-SMARCA4 &amp; -d3p14 &amp; -a(EGFR) &amp; -d(FAT1)</b>		<b>a(CAT)   d19p13</b>		<b>[ d19p13 &amp; a(MET) ]   [ a(MYC) &amp; a(FOXA) ]</b>		<b>ATR   a(CAT)   d19p13</b>		<b>a(CAT)   d19p13   a18q11   d(PTEN)</b>	
TP   FP	4   3	0.84	3   3	0.84	3   1	0.95	3   0	1	3   1	0.95	5   1	0.95	4   1	0.95	5   1	0.95
FN   TN	1   16	0.57	2   16	0.5	2   18	0.75	2   19	1	2   18	0.75	0   18	0.83	1   18	0.8	0   18	0.83
Recall		0.8		0.6		0.6		0.6		0.6		1		0.8		1



STAD  
 id: 1372 name: Trametinib  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

20 cell lines  
 5 sensitive

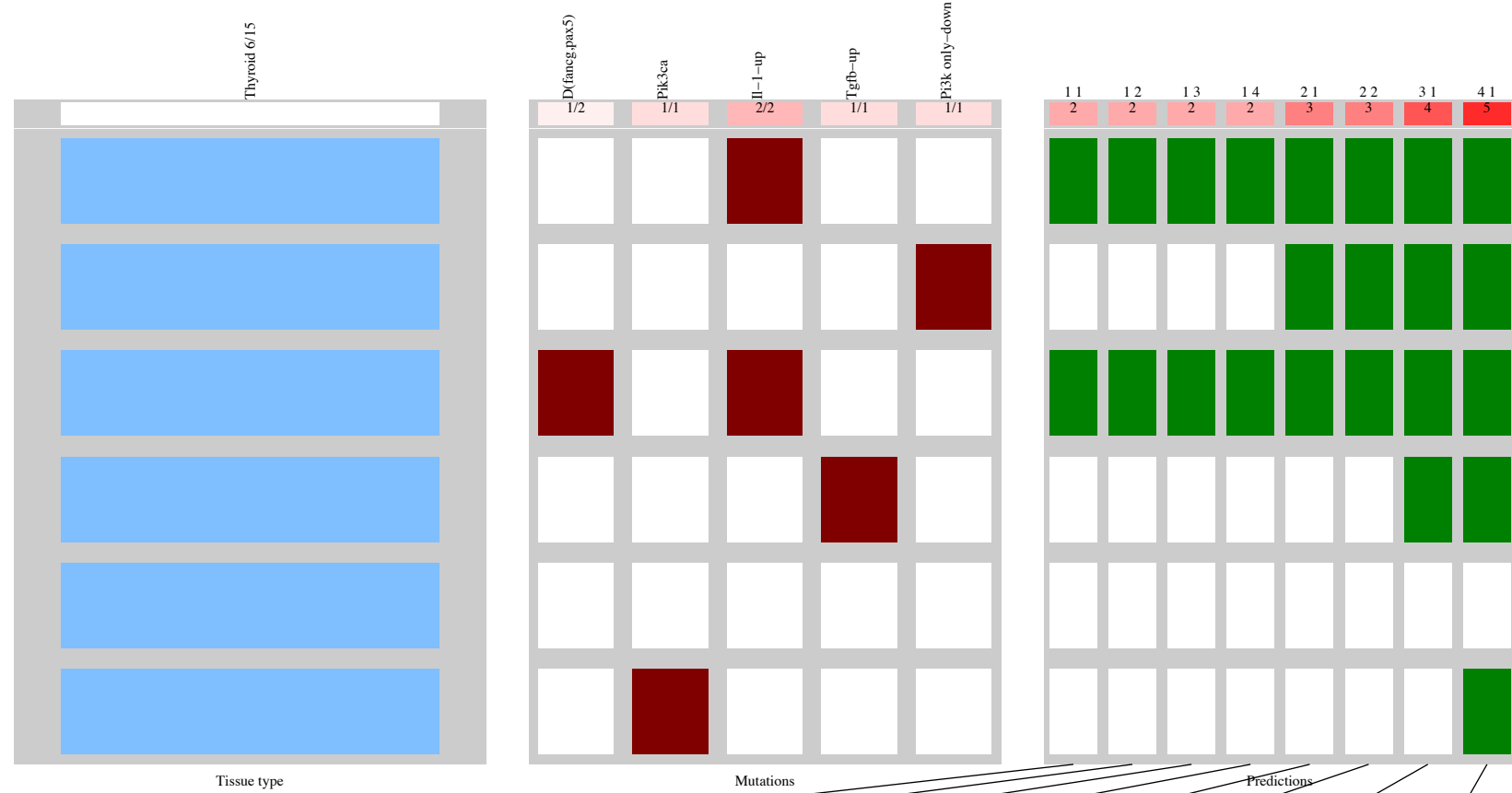
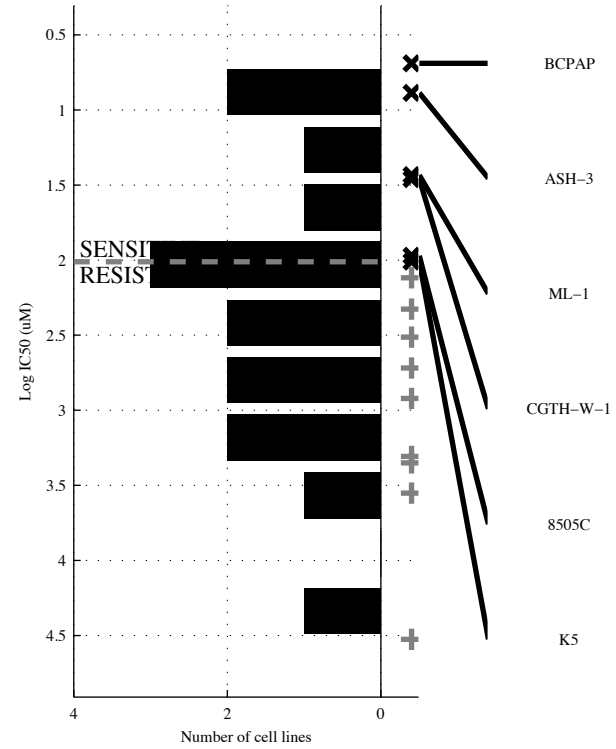
Digestive system 5/20



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>d22q13</b>	<b>d22q13 &amp; a(AKAP</b>	<b>¬a(MYC &amp; ¬d20p12 &amp;</b>	<b>¬a(MYC &amp; ¬d20p12 &amp;</b>	<b>TJP2   d22q13</b>	<b>[ARID1A &amp; TP53 ]</b>   <b>[d(CDKN &amp; a(MYC)]</b>	<b>FOXP1   TJP2  </b>  <b>d22q13</b>	<b>CTNNB1   FOXP1  </b>  <b>TJP2   d(NTRK</b>
TP   FP Specificity	3   1 0.93	3   0 1	4   3 0.8	4   2 0.87	4   1 0.93	5   2 0.87	5   1 0.93	5   0 1
FN   TN Precision	2   14 0.75	2   15 1	1   12 0.57	1   13 0.67	1   14 0.8	0   13 0.71	0   14 0.83	0   15 1
Recall	0.6	0.6	0.8	0.8	0.8	1	1	1

THCA  
 id: 154 name: CHIR-99021  
 target: GSK3B class: WNT signaling

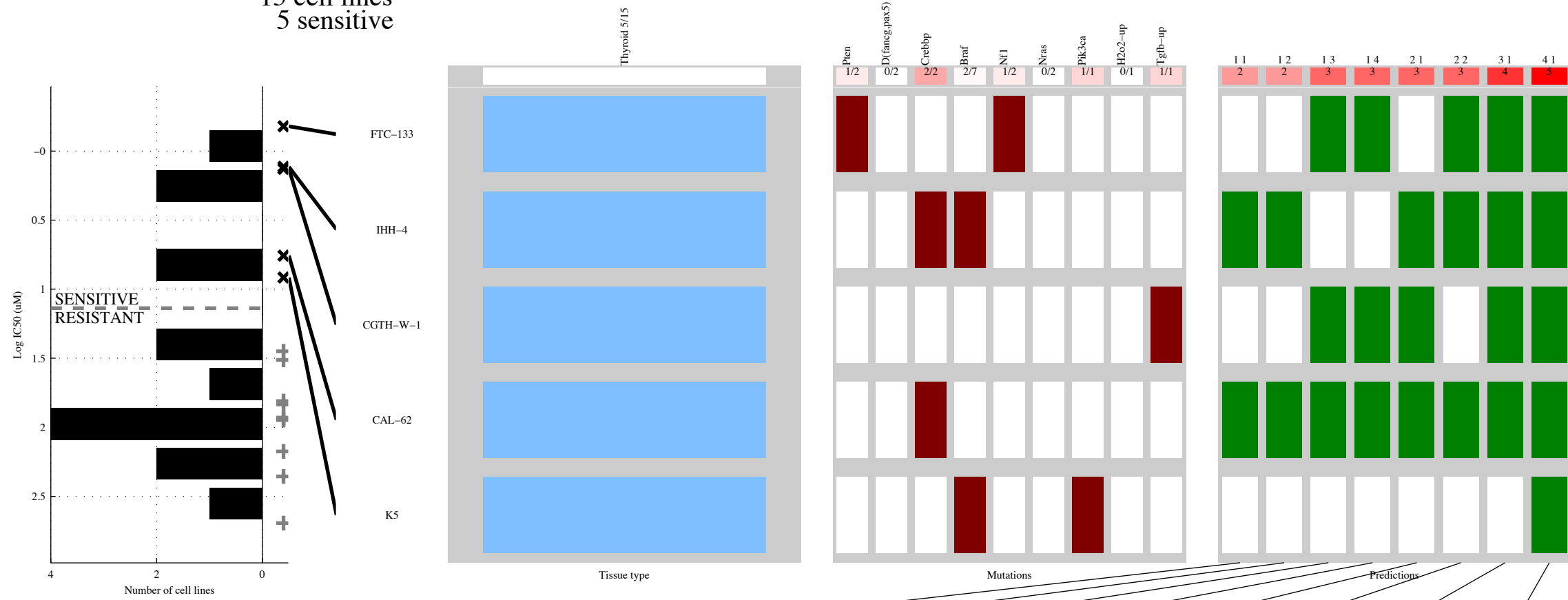
15 cell lines  
 6 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>IL-1-U</b>		<b>IL-1-U &amp;</b>		<b>IL-1-U &amp; &amp;</b>		<b>IL-1-U &amp; &amp;</b>		<b>IL-1-U   PI3K o</b>		<b>[¬d(FAN&amp; PI3K o)   [IL-1-U&amp; ]]</b>		<b>IL-1-U [TGFB-U] PI3K o</b>		<b>PIK3CA   IL-1-U   TGFB-U   PI3K o</b>	
TP   FP Specificity FN   TN Precision Recall	2   0 4   9	1 1	2   0 4   9	1 1	2   0 4   9	1 1	2   0 4   9	1 1	3   0 3   9	1 1	3   0 3   9	1 1	4   0 2   9	1 1	5   0 1   9	1 1
	0.33		0.33		0.33		0.33		0.5		0.5		0.67		0.83	

THCA  
 id: 166 name: FTI-277  
 target: Farnesyl transferase (FNTA) class: other

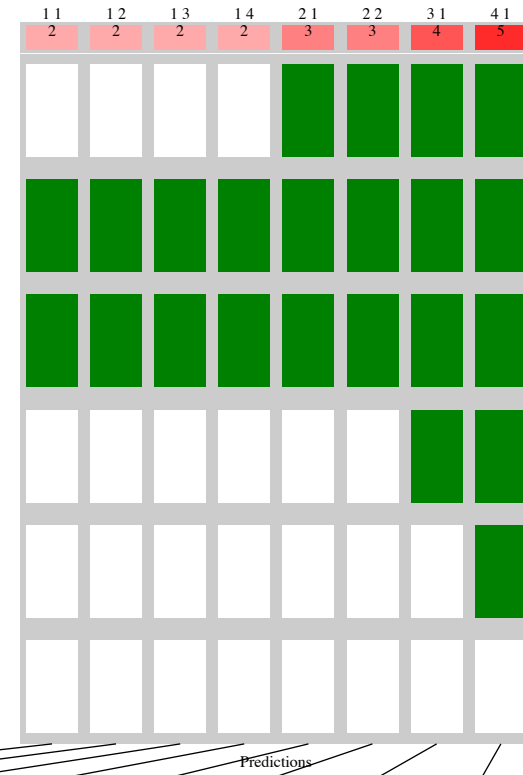
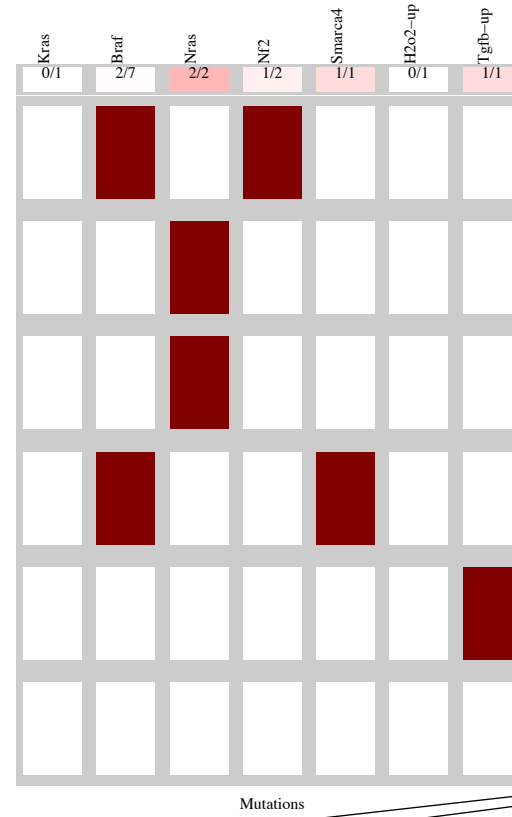
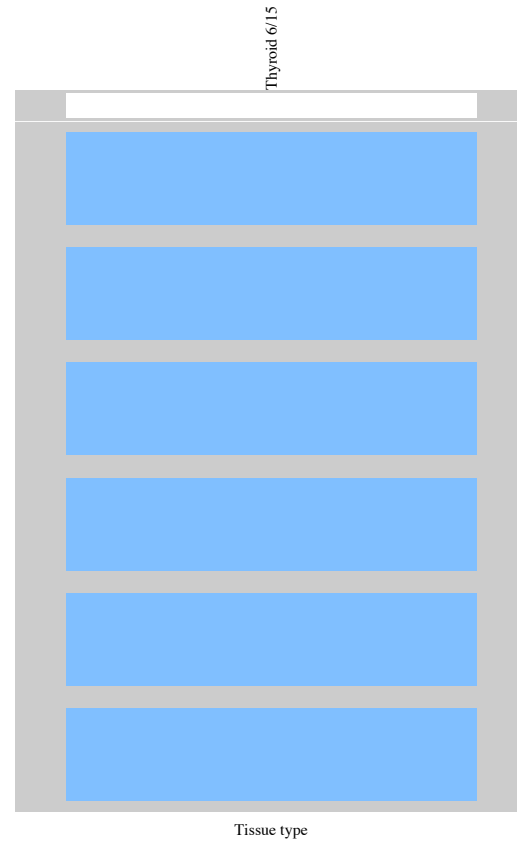
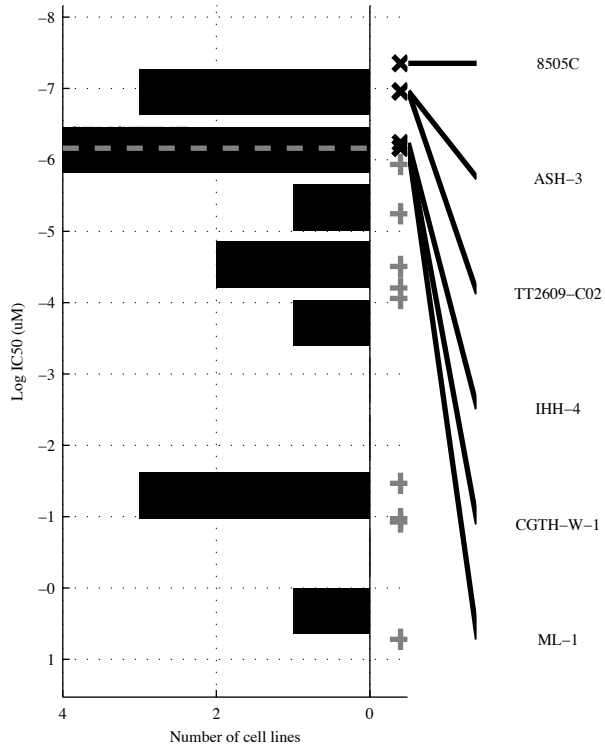
15 cell lines  
 5 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>CREBBP</b>		<b>CREBBP</b>		<b>~d(FAN&amp;~BRAFF</b>		<b>~d(FAN&amp;~BRAFF</b>		<b>CREBBPTGFB-U</b>		<b>[ PTEN &amp;~NRAS ]</b>		<b>CREBBP NF1  </b>		<b>CREBBP NF1  </b>	
					<b>~NRAS</b>		<b>~NRAS&amp;H2O2-U</b>				<b>[~d(FAN&amp;CREBBP]</b>		<b>TGFB-U</b>		<b>PIK3CAITGFB-U</b>	
TP   FP Specificity	2   0	1	2   0	1	3   1	0.9	3   0	1	3   0	1	3   0	1	4   1	0.9	5   1	0.9
FN   TN Precision	3   10	1	3   10	1	2   9	0.75	2   10	1	2   10	1	2   10	1	1   9	0.8	0   9	0.83
Recall	0.4		0.4		0.6		0.6		0.6		0.6		0.8		1	

THCA  
 id: 180 name: Thapsigargin  
 target: sarco-endoplasmic reticulum Ca<sup>2+</sup>-ATPases class: other

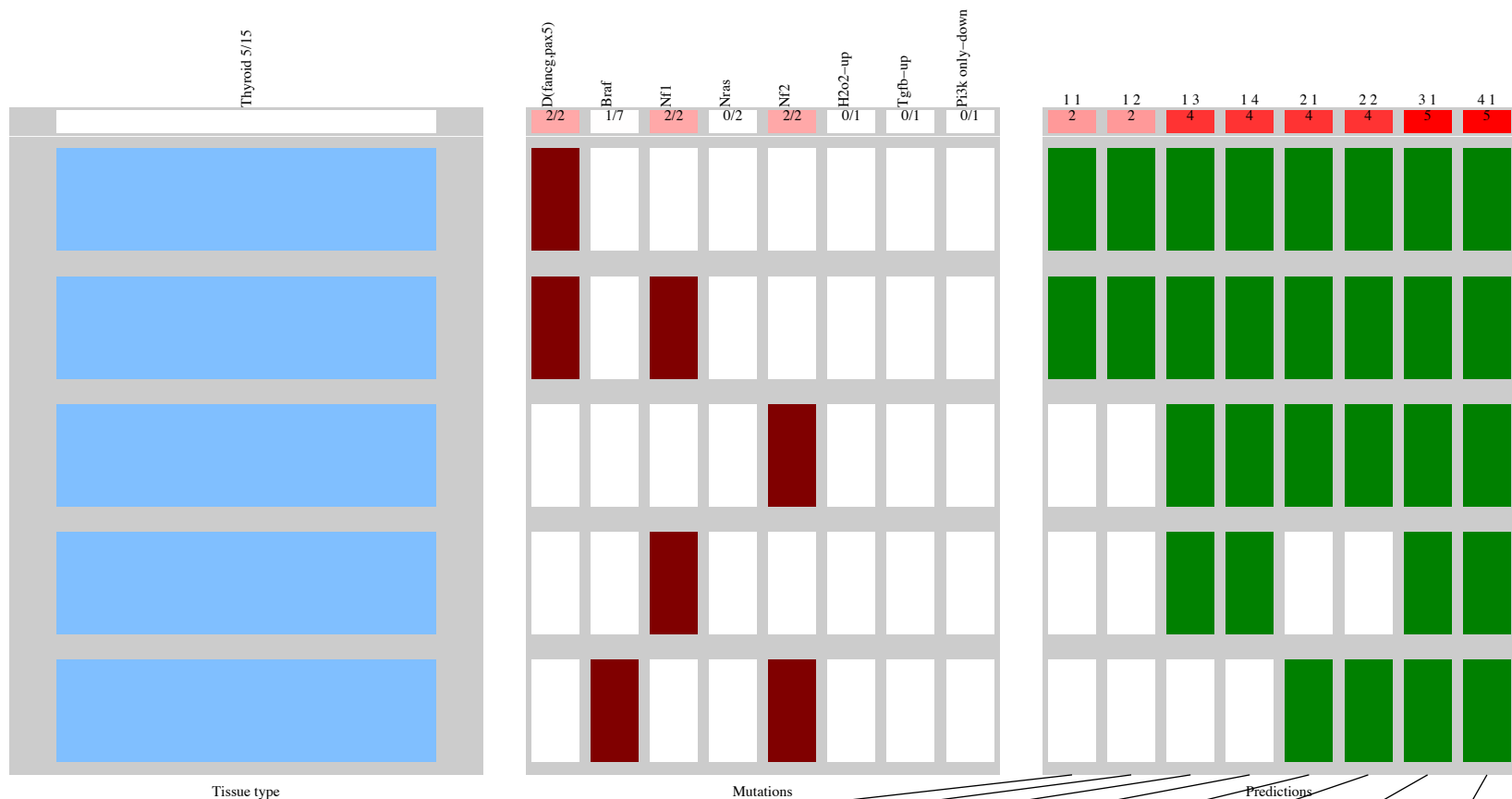
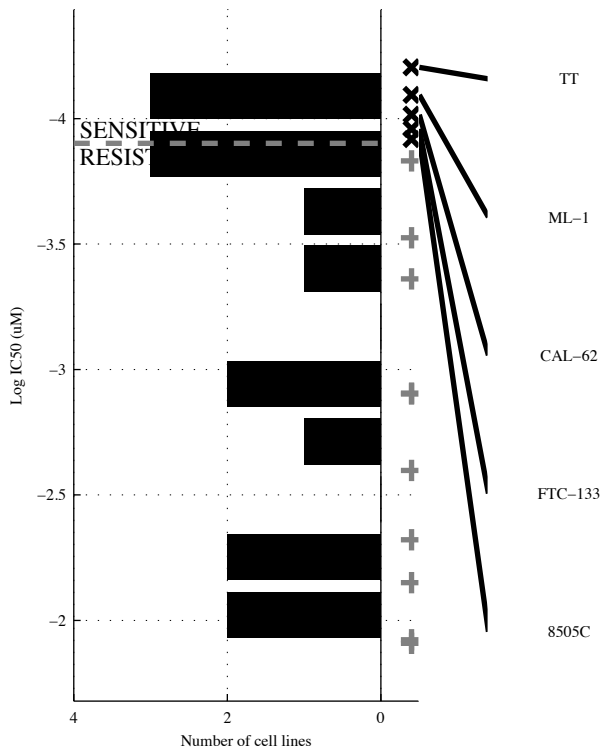
15 cell lines  
 6 sensitive



Model name	11	12	13	14	21	22	31	41
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>NRAS</b>	<b>NRAS &amp;</b>	<b>NRAS &amp; &amp;</b>	<b>-KRAS &amp; NRAS &amp; -H2O2-&amp;</b>	<b>NRAS   NF2</b>	<b>[ -BRAF &amp; NRAS ]   [ -KRAS &amp; NF2 ]</b>	<b>NRAS   NF2   SMARCA</b>	<b>NRAS   NF2   SMARCATGFB-U</b>
TP   FP	2   0	2   0	2   0	2   0	3   1	3   0	4   1	5   1
FN   TN	4   9	4   9	4   9	4   9	3   8	3   9	2   8	1   8
Specificity	1	1	1	1	0.89	1	0.89	0.89
Precision	1	1	1	1	0.75	1	0.8	0.83
Recall	0.33	0.33	0.33	0.33	0.5	0.5	0.67	0.83

THCA  
 id: 197 name: Bryostatin 1  
 target: PRKC class: other

15 cell lines  
 5 sensitive

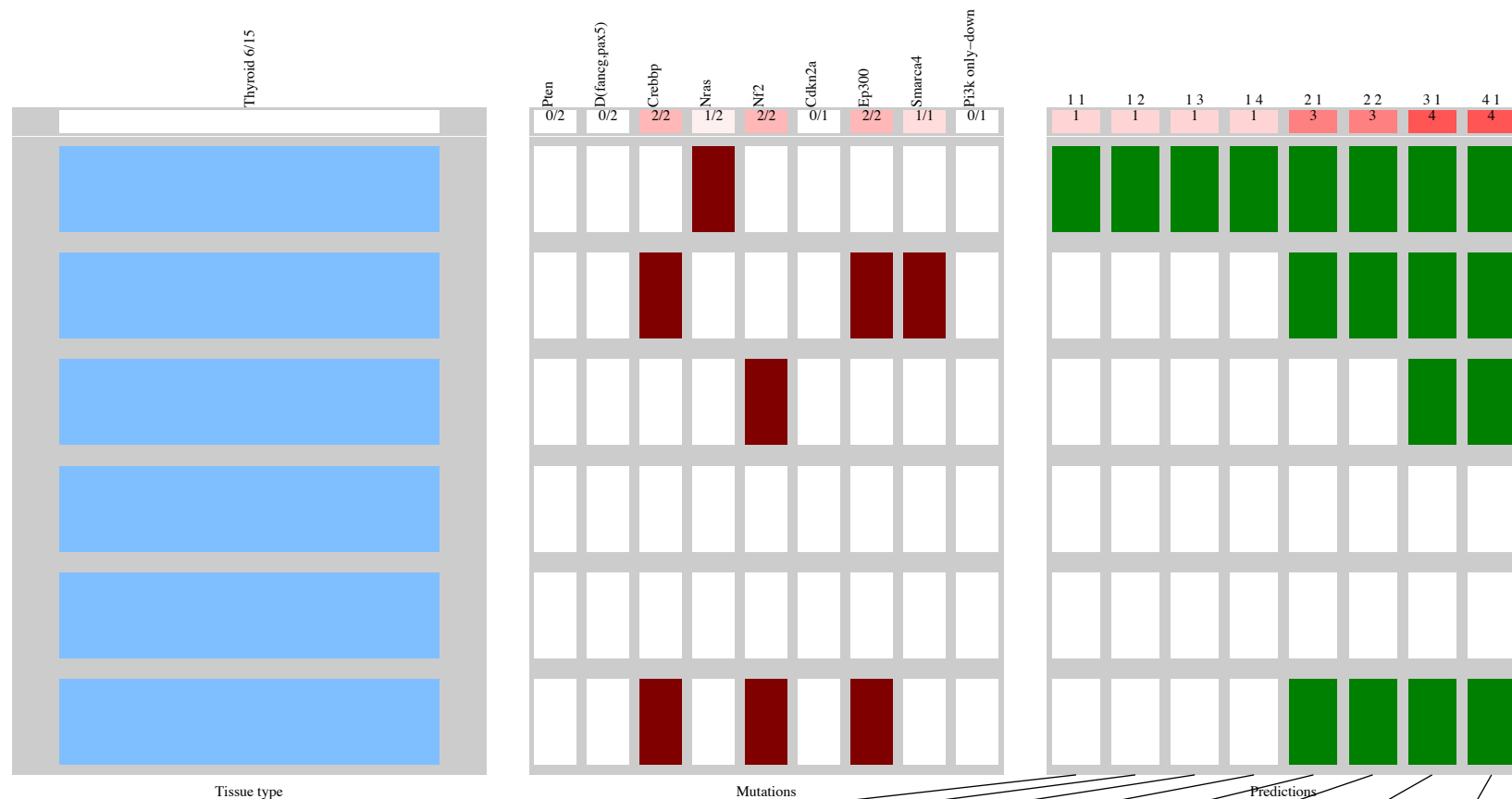
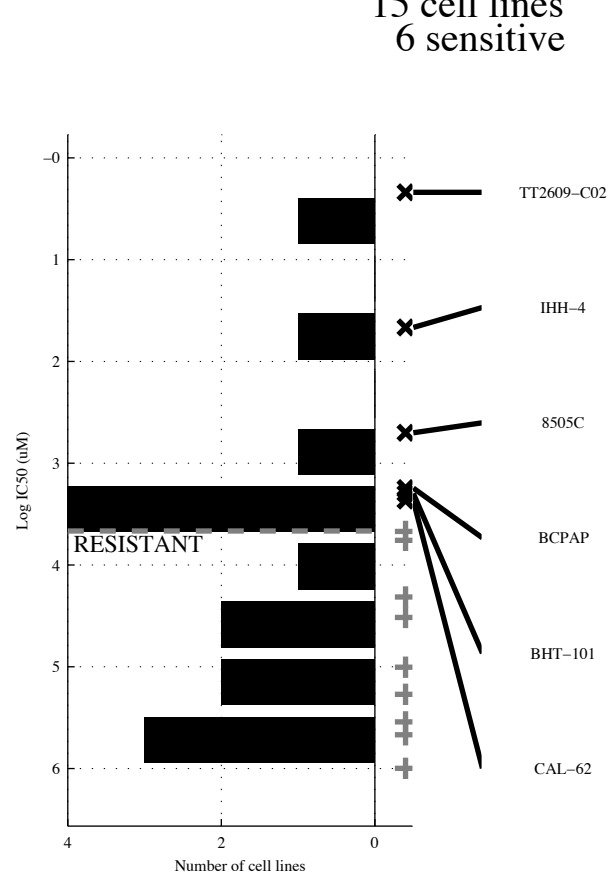


Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>d(FANC)</b>	<b>d(FANC &amp; N1)</b>	<b>¬BRAF &amp; ¬NRAS &amp; ¬H2O2-U</b>	<b>¬BRAF &amp; ¬NRAS &amp; ¬H2O2-U &amp; ¬TGFB-U</b>	<b>d(FANC   NF2)</b>	<b>[ ¬NRAS &amp; NF2 ]   [ d(FANC &amp; ¬PI3K o) ]</b>	<b>d(FANC   NF1   NF2)</b>	<b>d(FANC   NF1   NF2   PI3K)</b>
TP   FP	2   0	2   0	4   1	4   0	4   0	4   0	5   0	5   0
FN   TN	3   10	3   10	1   9	1   10	1   10	1   10	0   10	0   10
Specificity	1	1	0.9	1	1	1	1	1
Precision	1	1	0.8	1	1	1	1	1
Recall	0.4	0.4	0.8	0.8	0.8	0.8	1	1



THCA  
 id: 300 name: CX-5461  
 target: RNA Pol I class: other

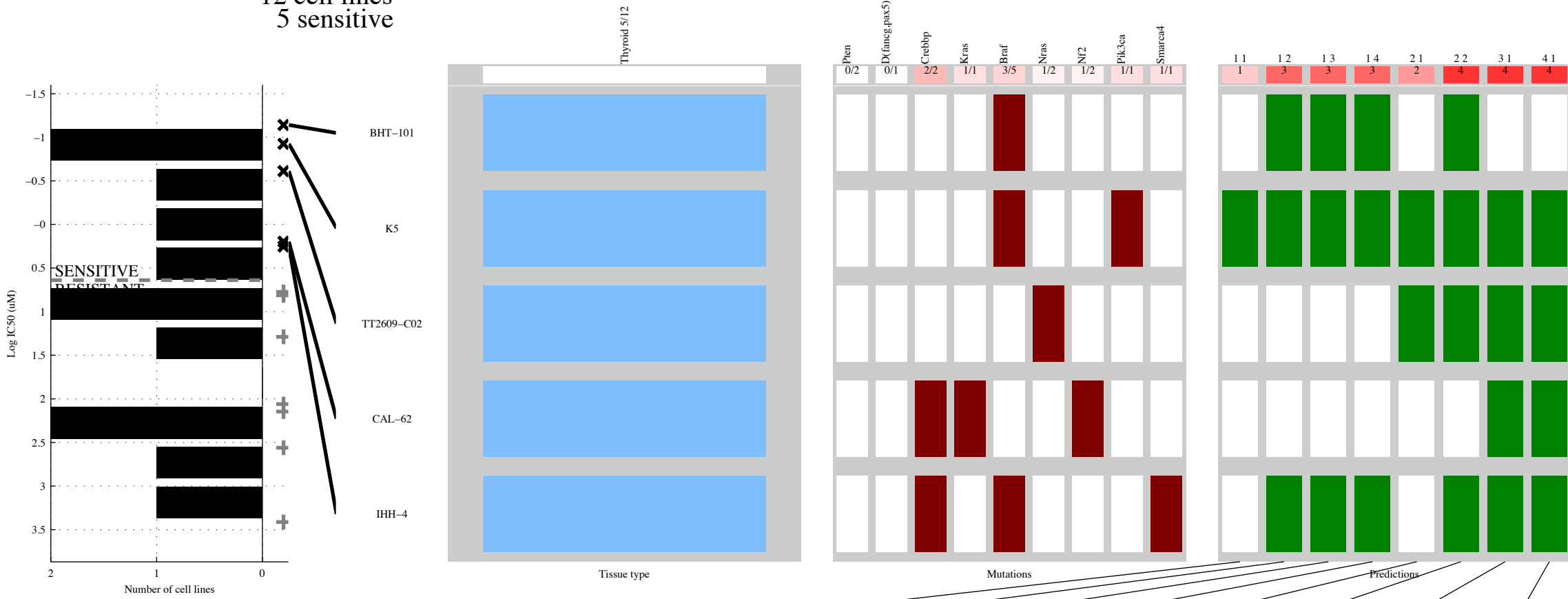
15 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>NRAS</b>	<b>NRAS &amp; ¬PI3K o</b>	<b>NRAS &amp; ¬PI3K o &amp;</b>	<b>¬PTEN &amp; NRAS &amp; ¬CDKN2&amp;</b>	<b>CREBBP NRAS</b>	<b>[ NRAS &amp; ¬PI3K o ]</b>   <b>[¬d(FAN&amp; EP300 )]</b>	<b>NRAS   NF2  </b>  <b>SMARCA</b>	<b>NRAS   NF2  </b>  <b>SMARCA</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{5} \mid \frac{1}{8}$ 0.89 0.5 0.17	$\frac{1}{5} \mid \frac{0}{9}$ 1 1 0.17	$\frac{1}{5} \mid \frac{0}{9}$ 1 1 0.17	$\frac{1}{5} \mid \frac{0}{9}$ 1 1 0.17	$\frac{3}{3} \mid \frac{1}{8}$ 0.89 0.75 0.5	$\frac{3}{3} \mid \frac{0}{9}$ 1 1 0.5	$\frac{4}{2} \mid \frac{1}{8}$ 0.89 0.8 0.67	$\frac{4}{2} \mid \frac{1}{8}$ 0.89 0.8 0.67

THCA  
 id: 1015 name: CI-1040  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

12 cell lines  
 5 sensitive

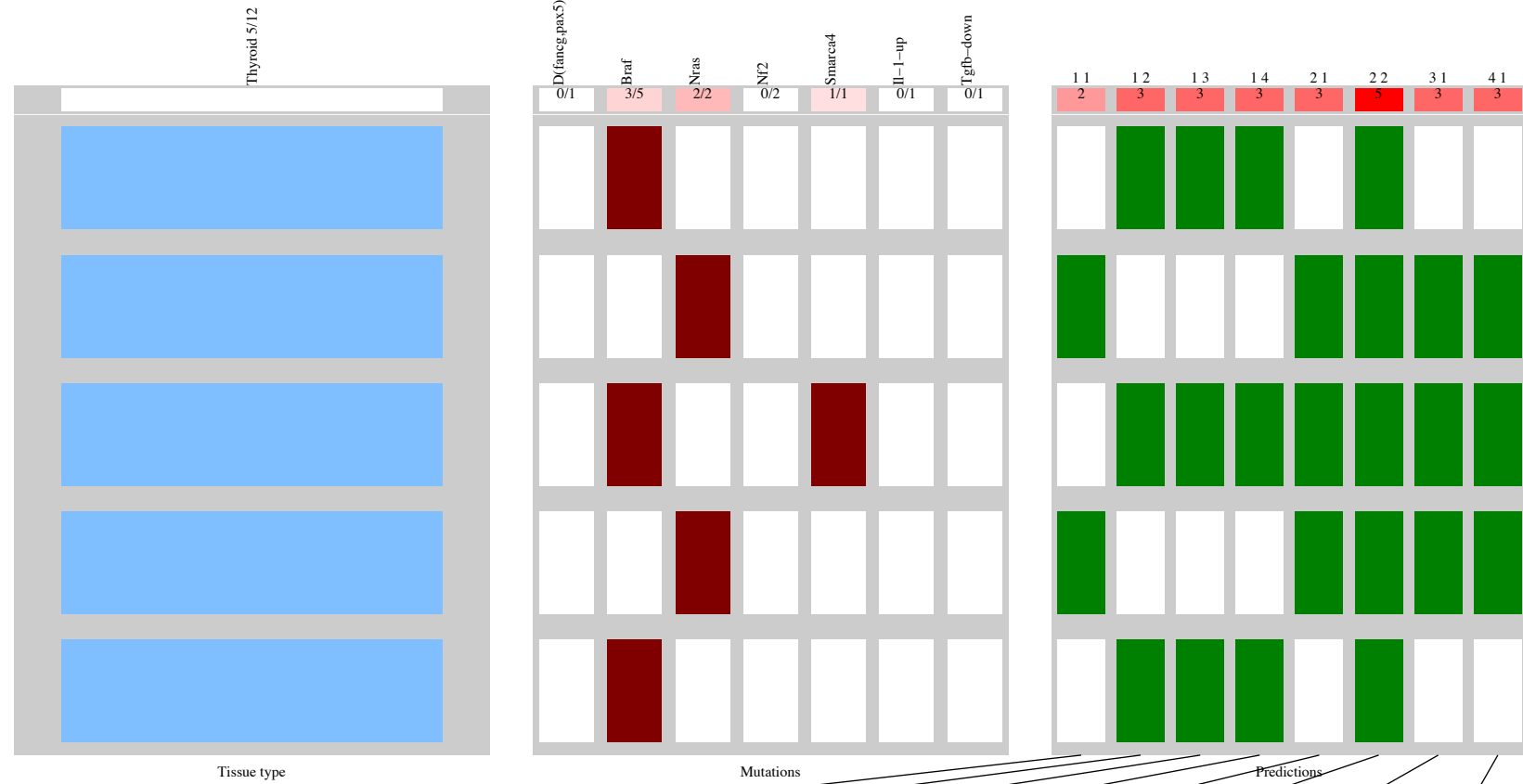
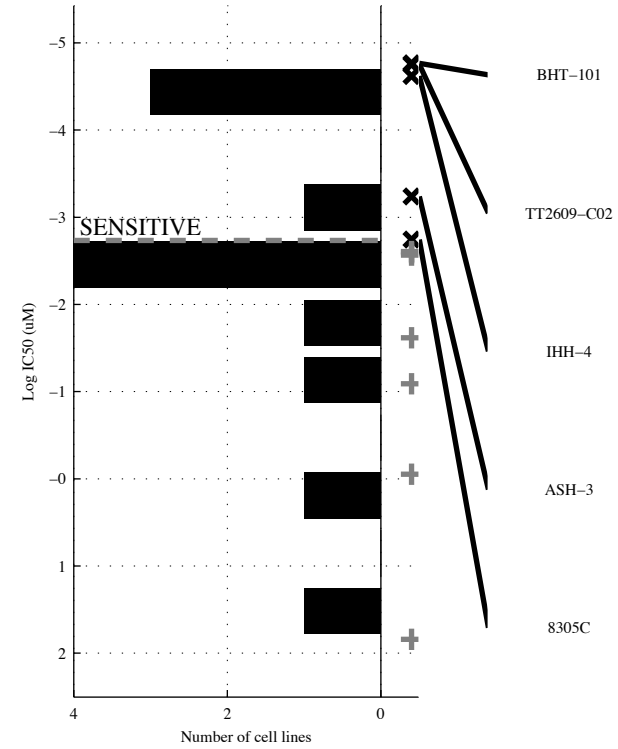


Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
M																
Logic formula	<b>PIK3CA</b>		<b>BRAF &amp; ¬NF2</b>		<b>BRAF &amp; ¬NF2 &amp;</b>		<b>¬PTEN&amp;d(FAN&amp;</b>		<b>NRAS  PIK3CA</b>		<b>[ ¬PTEN&amp; NRAS ]</b>		<b>CREBBP  NRAS  </b>		<b>KRAS   NRAS  </b>	
							<b>BRAF &amp; ¬NF2</b>				<b>[ BRAF &amp; ¬NF2 ]</b>		<b>PIK3CA</b>		<b>PIK3CASMARCA</b>	
TP   FP	1   0	1	3   1	0.86	3   1	0.86	3   1	0.86	2   1	0.86	4   1	0.86	4   1	0.86	4   1	0.86
FN   TN	4   7	1	2   6	0.75	2   6	0.75	2   6	0.75	3   6	0.67	1   6	0.8	1   6	0.8	1   6	0.8
Specificity																
Precision																
Recall		0.2		0.6		0.6		0.6		0.4		0.8		0.8		0.8



THCA  
 id: 1060 name: PD-0325901  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

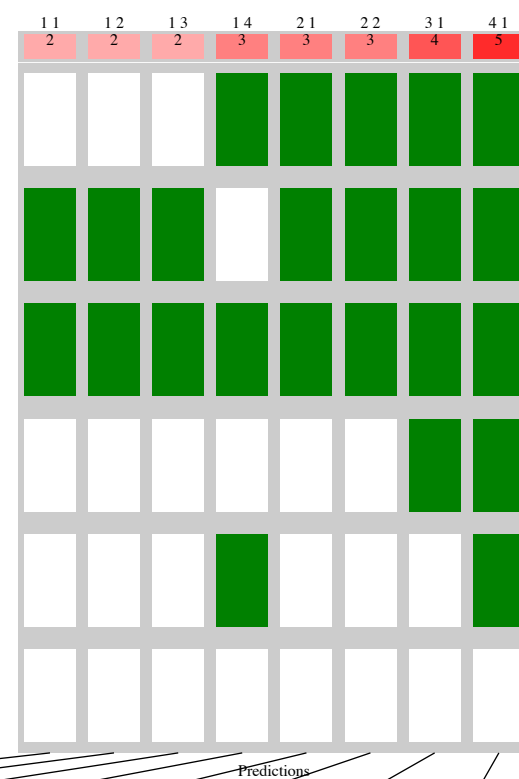
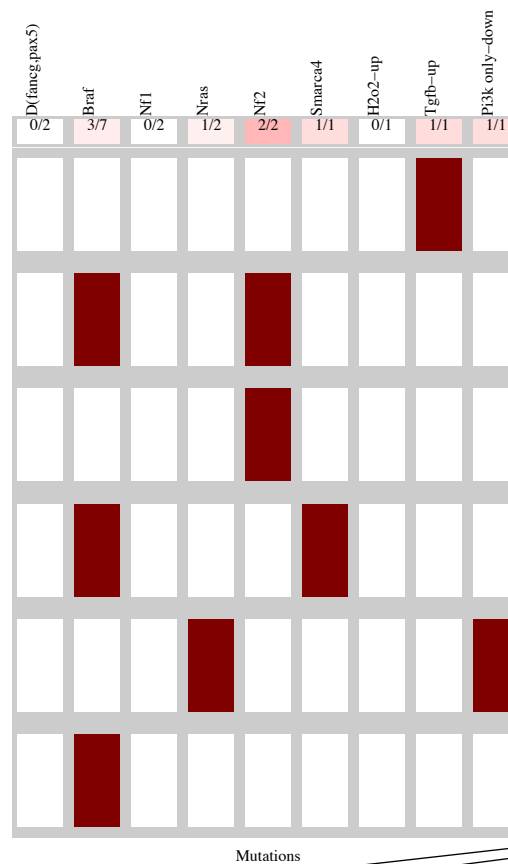
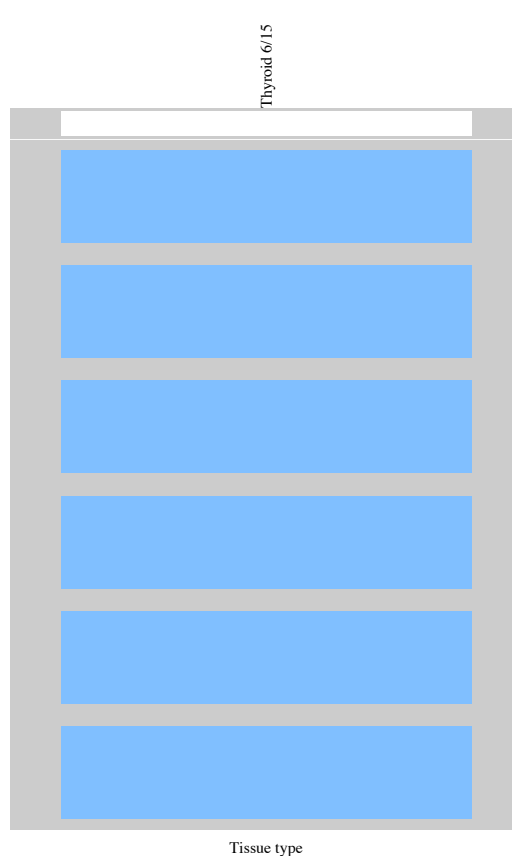
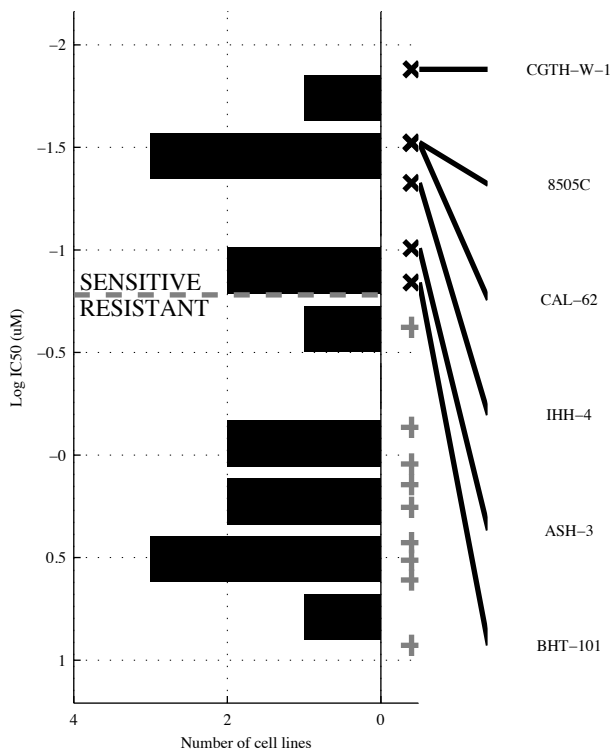
12 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>NRAS</b>	<b>BRAF &amp; -IL-1-U</b>	<b>BRAF &amp; -NF2 &amp; -IL-1-U</b>	<b>-d(FAN&amp; BRAF &amp; -NF2 &amp; -IL-1-U</b>	<b>NRAS SMARCA</b>	<b>[ NRAS &amp; TGFB-D ]   [ BRAF &amp; -IL-1-U ]</b>	<b>NRAS SMARCA</b>	<b>NRAS SMARCA</b>
TP   FP Specificity	2   0	3   1	3   0	3   0	3   0	5   1	3   0	3   0
FN   TN Precision	3   7	2   6	2   7	2   7	2   7	0   6	2   7	2   7
Recall	1	0.86	1	1	1	0.86	1	1
	1	0.75	1	1	1	0.83	1	1
	0.4	0.6	0.6	0.6	0.6	1	0.6	0.6

THCA  
 id: 1230 name: IOX2  
 target: EGLN1 class: other

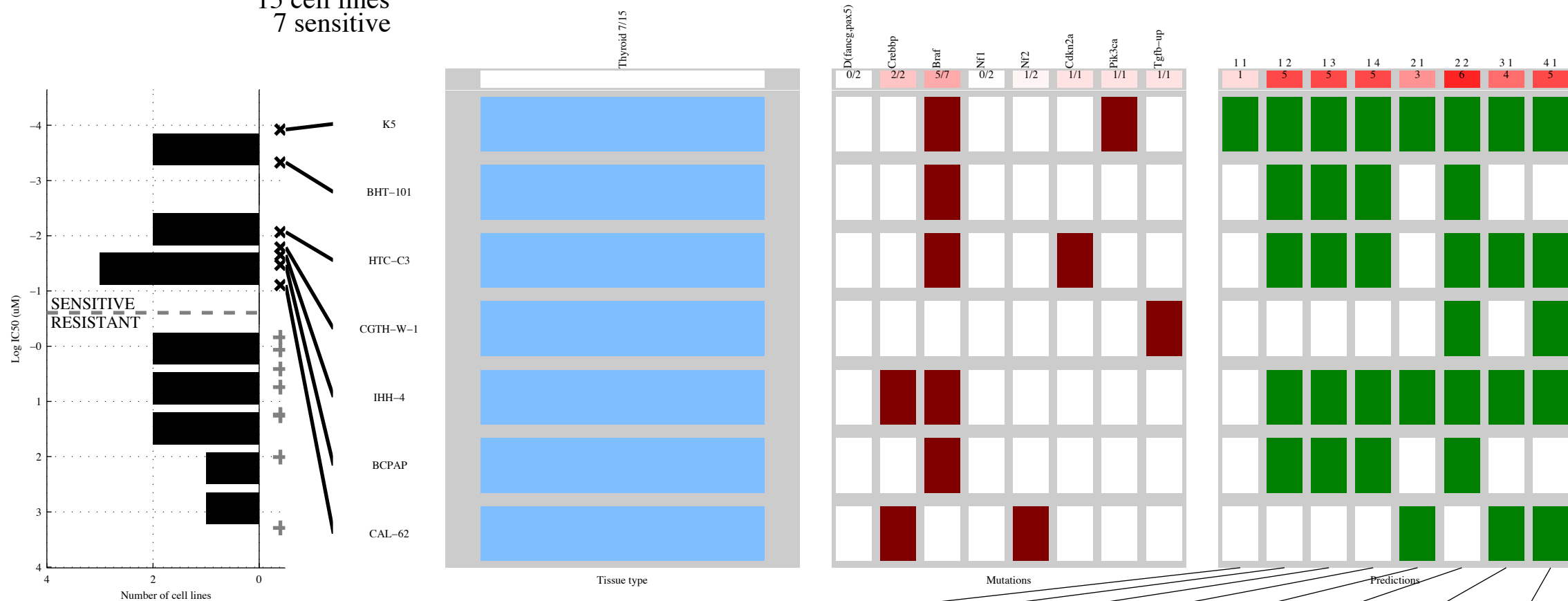
15 cell lines  
 6 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>NF2</b>	<b>¬NRAS &amp; NF2</b>	<b>¬d(FAN&amp; ¬NF1 &amp; NF2</b>	<b>¬d(FAN&amp;¬BRAF &amp; ¬NF1 &amp; H2O2-U</b>	<b>NF2   TGFB-U</b>	<b>[TGFB-U &amp;   [ NF2 &amp; ]</b>	<b>NF2 SMARCA</b> <b>TGFB-U</b>	<b>NF2 SMARCA</b> <b>TGFB-U   PI3K o</b>
TP   FP	2   0	2   0	2   0	3   1	3   0	3   0	4   0	5   0
Specificity	1	1	1	0.89	1	1	1	1
FN   TN	4   9	4   9	4   9	3   8	3   9	3   9	2   9	1   9
Precision	1	1	1	0.75	1	1	1	1
Recall	0.33	0.33	0.33	0.5	0.5	0.5	0.67	0.83

THCA  
 id: 1242 name: (5Z)-7-Oxozeaenol  
 target: MAP3K7 (TAK1) class: other

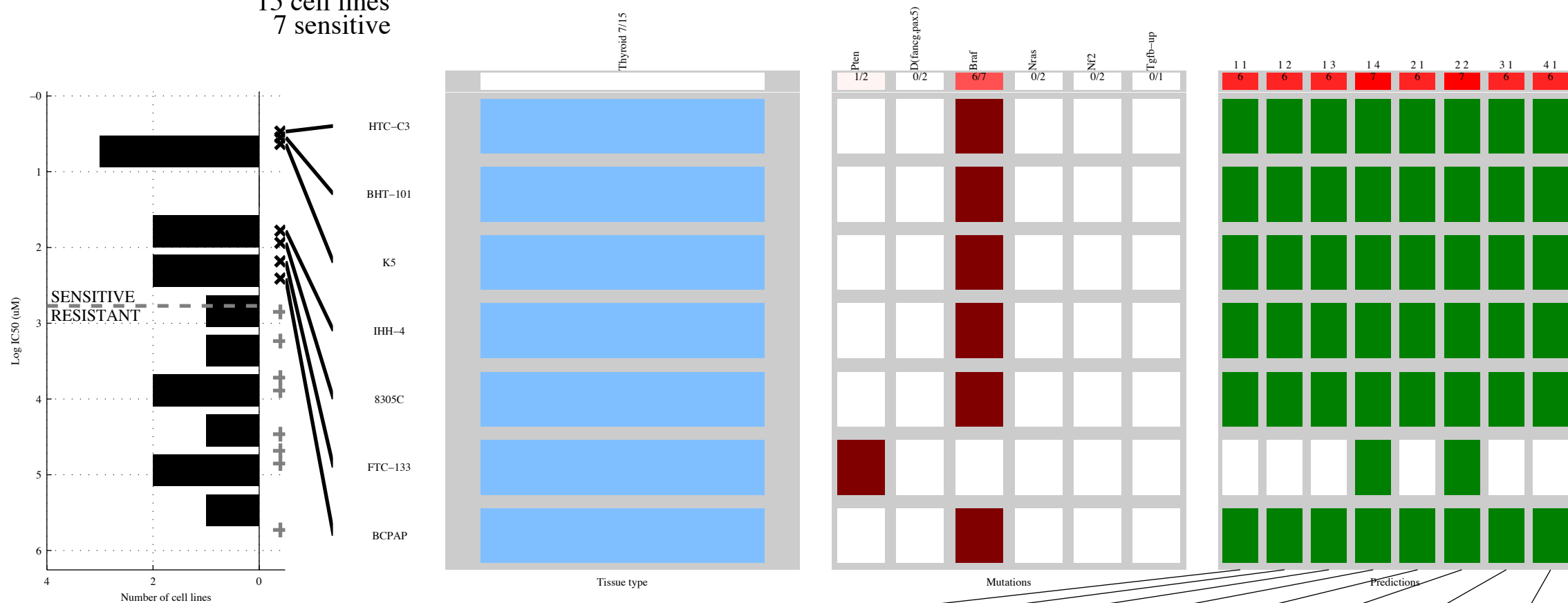
15 cell lines  
 7 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	M															
Logic formula	<b>PIK3CA</b>		<b>BRAF &amp; -NF2</b>		<b>BRAF &amp; -NF2 &amp;</b>		<b>-d(FAN&amp; BRAF &amp;</b>		<b>CREBBPIPIK3CA</b>		<b>[ -NF2 &amp;TGFB-U]</b>		<b>CREBBPICDKN2AI</b>		<b>CREBBPICDKN2AI</b>	
							<b>-NF1 &amp; -NF2</b>				<b>[ BRAF &amp; -NF2 ]</b>		<b>PIK3CA</b>		<b>PIK3CAITGFB-U</b>	
TP   FP Specificity	1   0 1		5   1 0.88		5   1 0.88		5   1 0.88		3   0 1		6   1 0.88		4   0 1		5   0 1	
FN   TN Precision	6   8 1		2   7 0.83		2   7 0.83		2   7 0.83		4   8 1		1   7 0.86		3   8 0.57		2   8 1	
Recall	0.14		0.71		0.71		0.71		0.43		0.86		0.57		0.71	

THCA  
 id: 1371 name: PLX4720 (rescreen)  
 target: BRAF class: ERK MAPK signaling

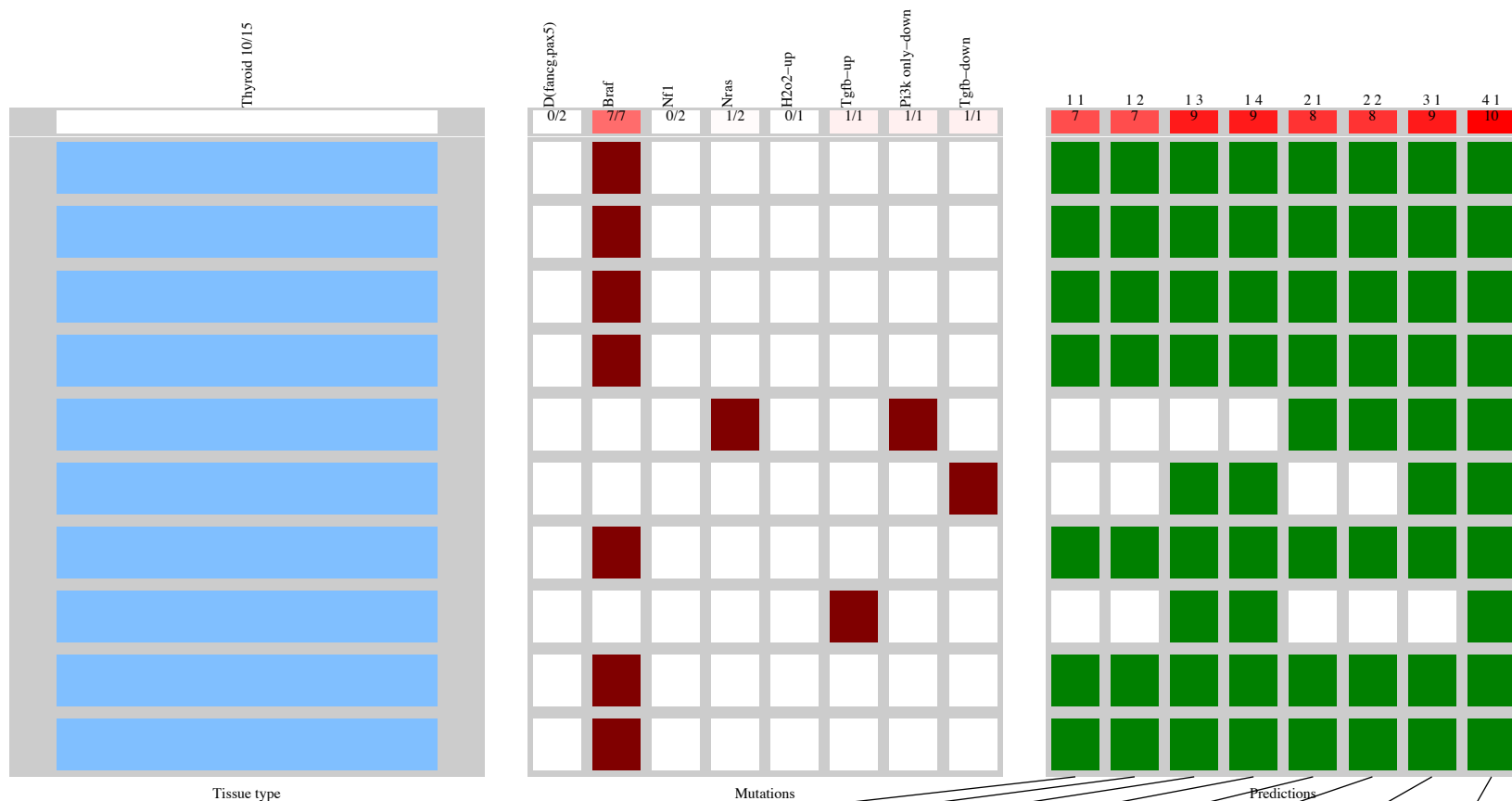
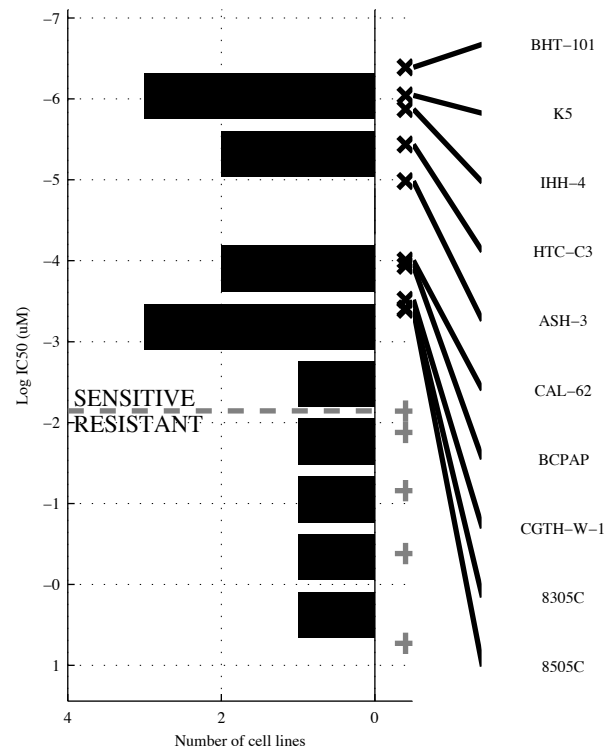
15 cell lines  
 7 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K M	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>BRAF</b>		<b>BRAF &amp; -NF2</b>		<b>BRAF &amp; -NF2 &amp;</b>		<b>-d(FAN&amp;-NRAS&amp;</b>		<b>BRAF  </b>		<b>[ BRAF &amp; -NF2 ]</b>		<b>BRAF    </b>		<b>BRAF      </b>	
							<b>-NF2 &amp;TGFB-U</b>				<b>[ PTEN &amp;-NRAS ]</b>					
TP   FP Specificity	6   1	0.88	6   0	1	6   0	1	7   1	0.88	6   1	0.88	7   0	1	6   1	0.88	6   1	0.88
FN   TN Precision	1   7	0.86	1   8	1	1   8	1	0   7	0.88	1   7	0.86	0   8	1	1   7	0.86	1   7	0.86
Recall		0.86		0.86		0.86		1		0.86		1		0.86		0.86

THCA  
 id: 1372 name: Trametinib  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

15 cell lines  
 10 sensitive

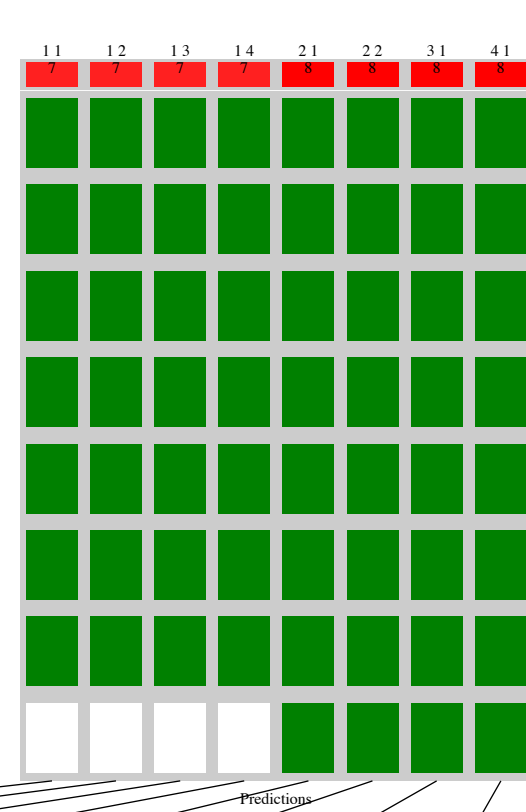
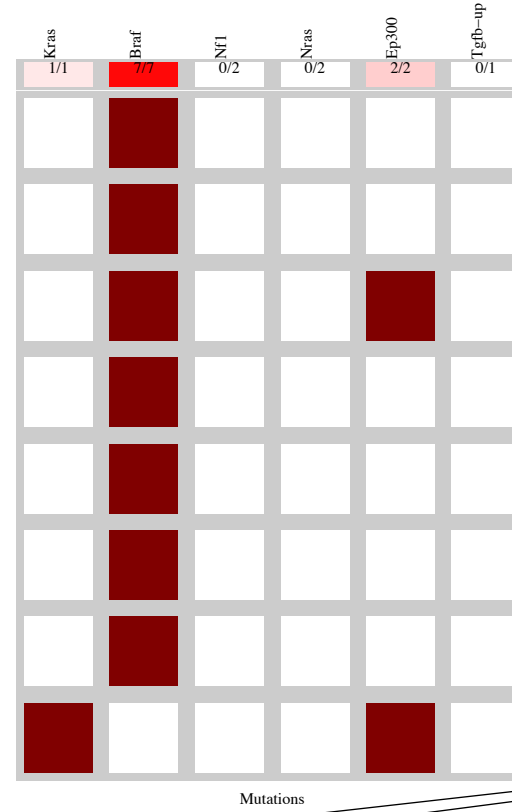
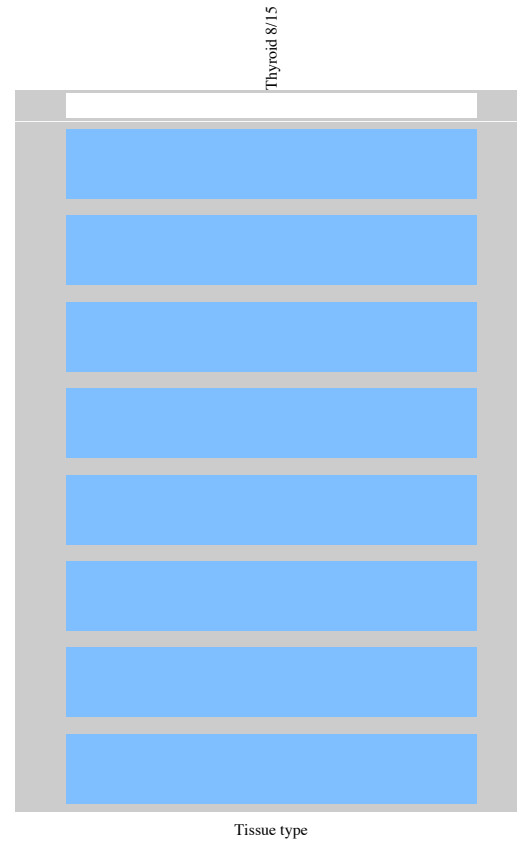
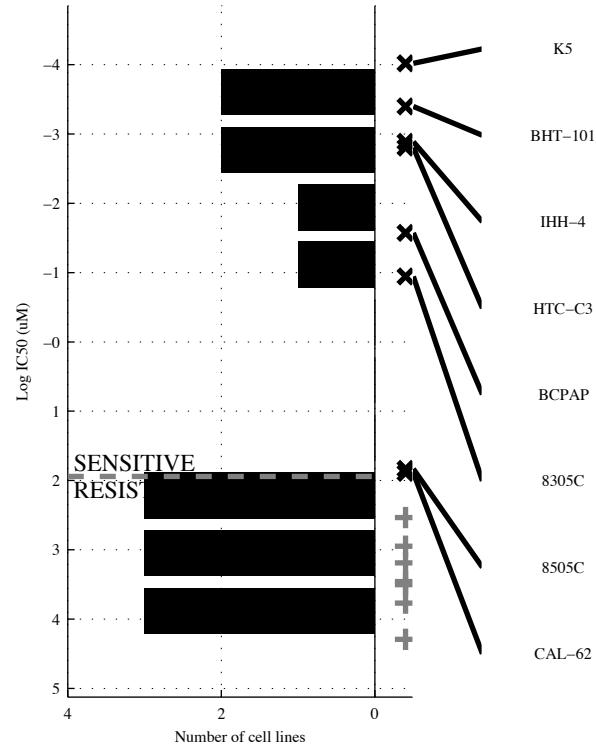


Model name	11	12	13	14	21	22	31	41
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>BRAF</b>	<b>BRAF &amp; ¬NRAS</b>	<b>¬d(FAN&amp; ¬NF1 &amp; ¬NRAS</b>	<b>¬d(FAN&amp; ¬NF1 &amp; ¬NRAS&amp;H2O2-U</b>	<b>BRAF   PI3K o</b>	<b>[ BRAF &amp;   [ PI3K o &amp; ]</b>	<b>BRAF   PI3K o   TGFB-D</b>	<b>BRAF   TGFB-U   PI3K o   TGFB-D</b>
TP   FP	7   0	7   0	9   1	9   0	8   0	8   0	9   0	10   0
Specificity	1	1	0.8	1	1	1	1	1
FN   TN	3   5	3   5	1   4	1   5	2   5	2   5	1   5	0   5
Precision	1	1	0.9	1	1	1	1	1
Recall	0.7	0.7	0.9	0.9	0.8	0.8	0.9	1



THCA  
 id: 1373 name: Dabrafenib  
 target: BRAF class: ERK MAPK signaling

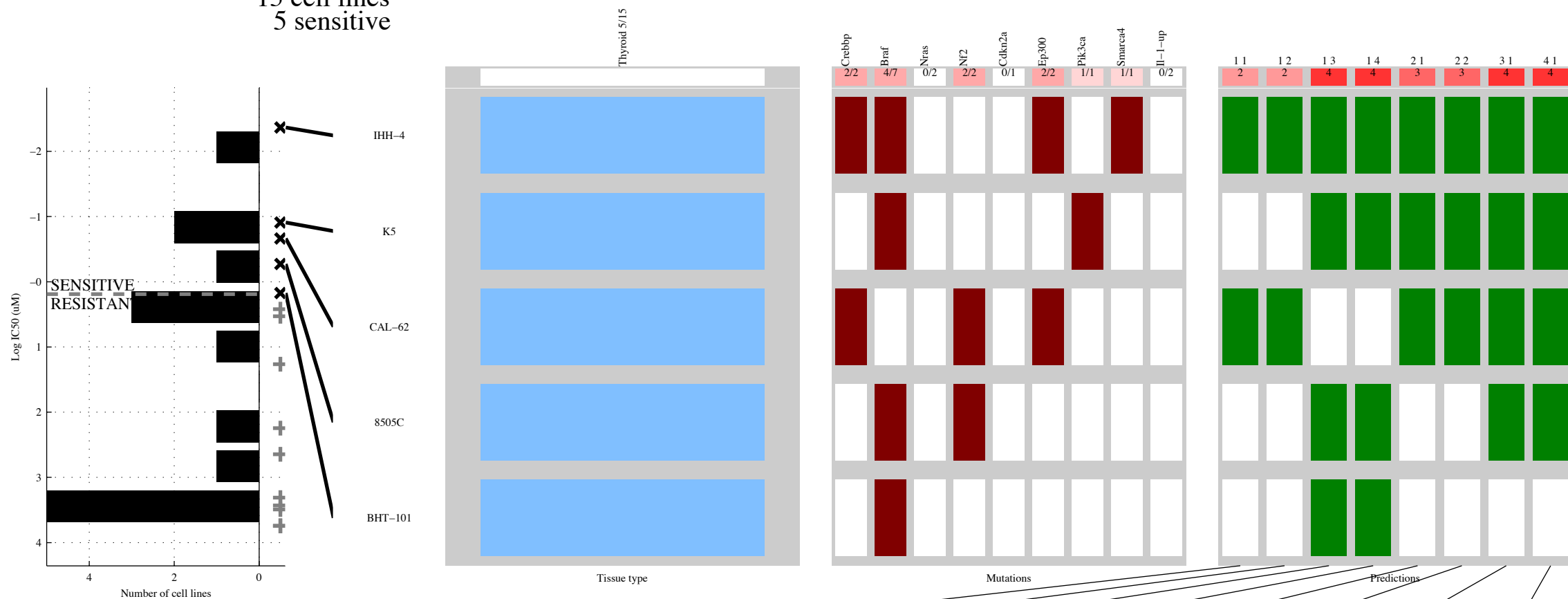
15 cell lines  
 8 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K	1	1	1	1	2	2	3	4
M	1	2	3	4	1	2	1	1
Logic formula	<b>BRAF</b>	<b>BRAF &amp;</b>	<b>BRAF &amp; ¬NF1 &amp; ¬NRAS</b>	<b>BRAF &amp; ¬NF1 &amp; ¬NRAS&amp;TGFB-U</b>	<b>KRAS   BRAF</b>	[ EP300 &   [ <b>BRAF &amp;</b> ]	<b>KRAS   BRAF  </b>	<b>KRAS   BRAF  </b>
TP   FP Specificity	7   0	7   0	7   0	7   0	8   0	8   0	8   0	8   0
FN   TN Precision	1   7	1   7	1   7	1   7	0   7	0   7	0   7	0   7
Recall	0.88	0.88	0.88	0.88	1	1	1	1

THCA  
 id: 1378 name: Bleomycin (50 uM)  
 target: DNA damage class: DNA replication

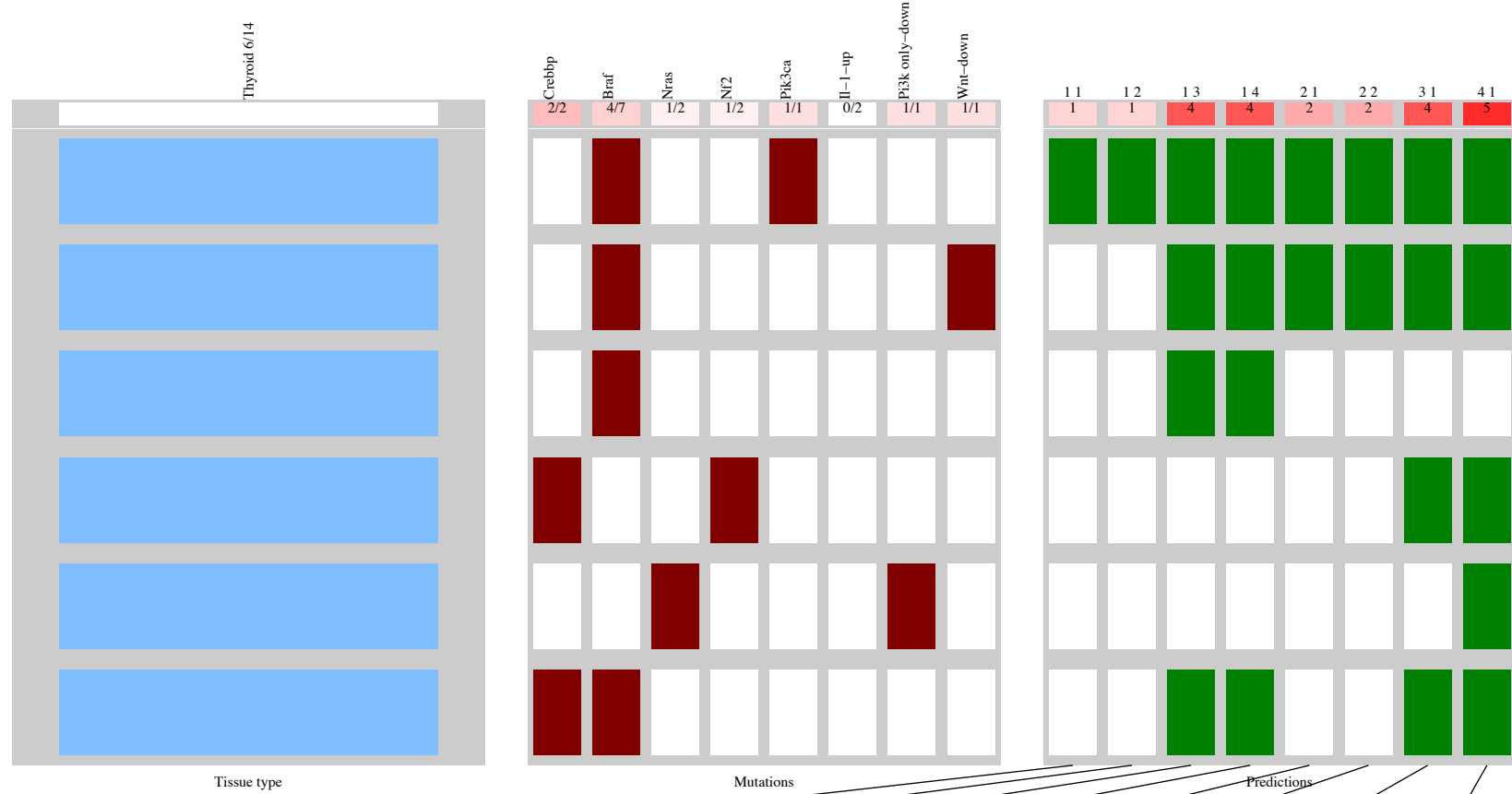
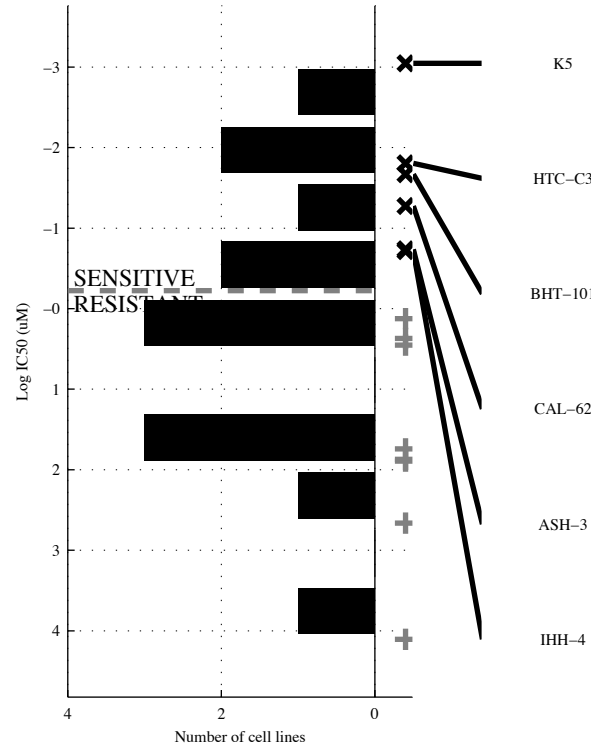
15 cell lines  
 5 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>CREBBP</b>		<b>CREBBP &amp; -NRAS</b>		<b>BRAF &amp; CDKN2 &amp; -IL-1-U</b>		<b>BRAF &amp; CDKN2 &amp; -IL-1-U</b>		<b>CREBBP   PIK3CA</b>		[ EP300 & ]   [ BRAF & PIK3CA ]		<b>NF2   PIK3CA   SMARCA</b>		<b>NF2   PIK3CA   SMARCA</b>	
TP   FP FN   TN	2   0 3   10	1 1 0.4	2   0 3   10	1 1 0.4	4   1 1   9	0.9 0.8 0.8	4   1 1   9	0.9 0.8 0.8	3   0 2   10	1 1 0.6	3   0 2   10	1 1 0.6	4   0 1   10	1 1 0.8	4   0 1   10	1 1 0.8

THCA  
 id: 1498 name: AZD6244  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

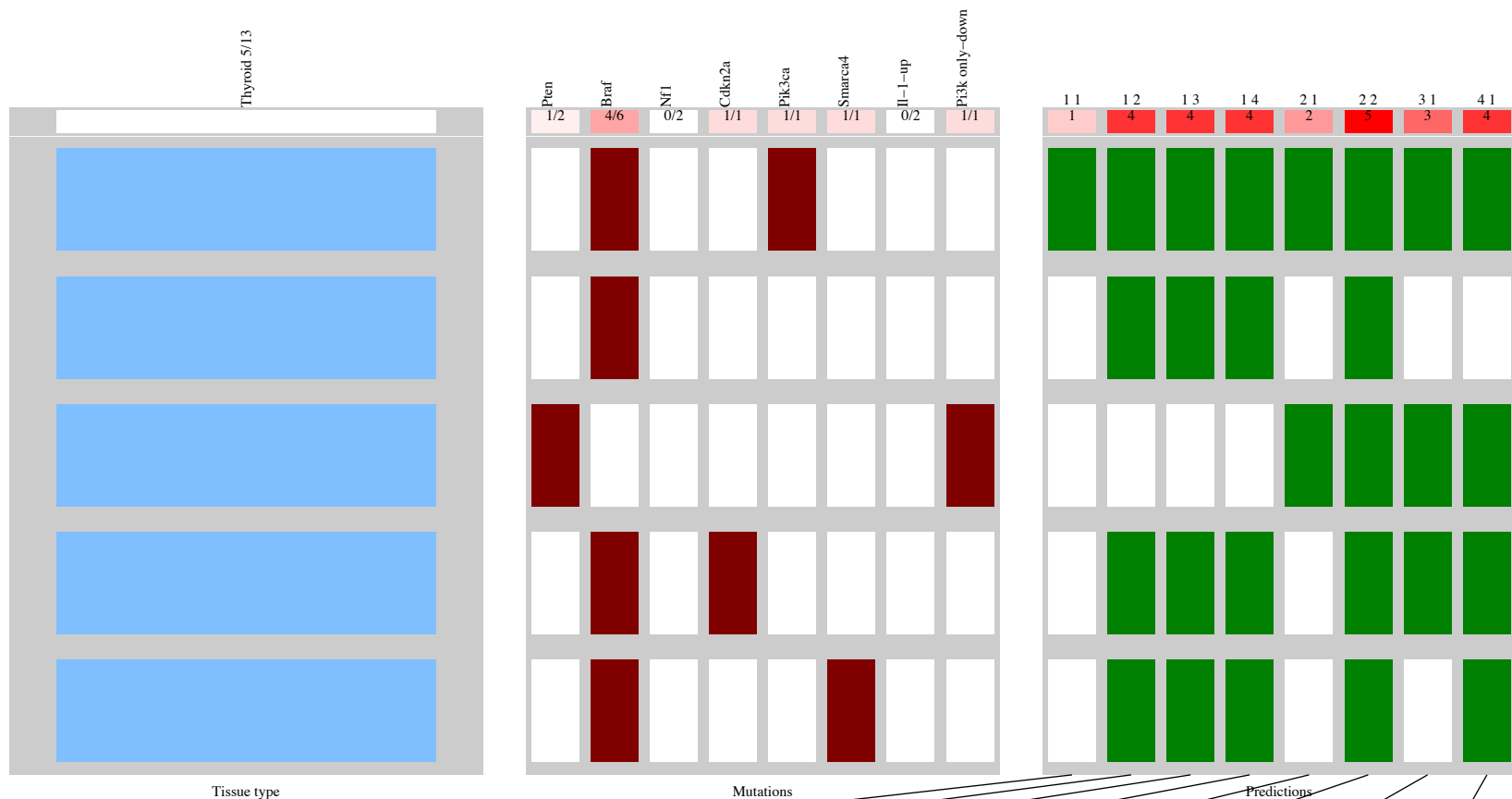
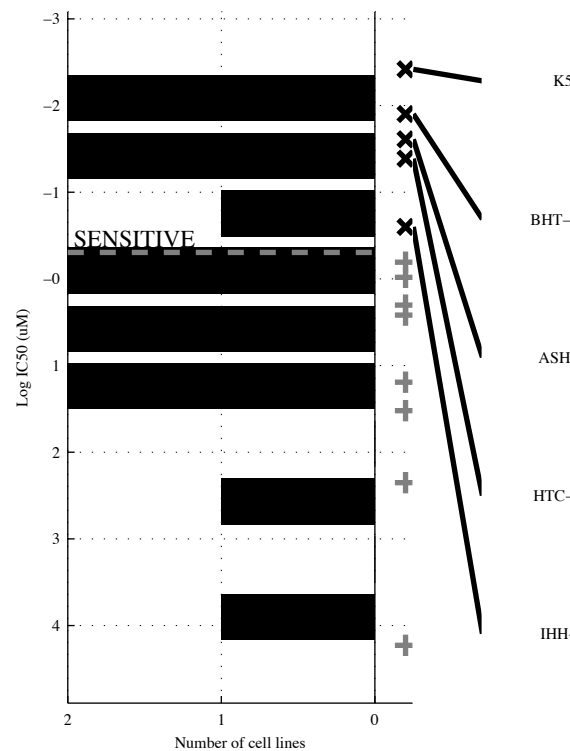
14 cell lines  
 6 sensitive



Model name	1 1		1 2		1 3		1 4		2 1		2 2		3 1		4 1	
K	1	1	1	2	1	3	1	4	2	1	2	2	3	1	4	1
Logic formula	<b>PIK3CA</b>		<b>PIK3CA &amp;</b>		<b>BRAF &amp; ¬NF2 &amp; ¬IL-1-U</b>		<b>BRAF &amp; ¬NRAS &amp; ¬NF2 &amp; IL-1-U</b>		<b>PIK3CA   Wnt-DO</b>		<b>[Wnt-DO &amp;   PIK3CA &amp; ]</b>		<b>CREBBP   PIK3CA   Wnt-DO</b>		<b>CREBBP   PIK3CA   PI3K o   Wnt-DO</b>	
TP   FP FN   TN	1   0 5   8	1 0.17	1   0 5   8	1 0.17	4   1 2   7	0.88 0.8 0.67	4   1 2   7	0.88 0.8 0.67	2   0 4   8	1 0.33	2   0 4   8	1 0.33	4   0 2   8	1 0.67	5   0 1   8	1 0.83
Specificity	1		1		0.88		0.88		1		1		1		1	
Precision	1		1		0.8		0.8		1		1		1		1	
Recall	0.17		0.17		0.67		0.67		0.33		0.33		0.67		0.83	

THCA  
 id: 1526 name: RDEA119 (rescreen)  
 target: MAP2K1 (MEK1), MAP2K2 (MEK2) class: ERK MAPK signaling

13 cell lines  
 5 sensitive



Model name	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
K M	1 1	1 2	1 3	1 4	2 1	2 2	3 1	4 1
Logic formula	<b>PIK3CA</b>	<b>BRAF &amp; IL-1-U</b>	<b>BRAF &amp; IL-1-U &amp;</b>	<b>BRAF &amp; IL-1-U &amp;</b>	<b>PIK3CA   PIK3 o</b>	[ <b>BRAF &amp; IL-1-U</b> ]   [ <b>PTEN &amp; -NF1</b> ]	<b>CDKN2A   PIK3CA  </b>  <b>PIK3 o</b>	<b>CDKN2A   PIK3CA  </b>  <b>SMARCA PIK3 o</b>
TP   FP Specificity FN   TN Precision Recall	$\frac{1}{4} \mid \frac{0}{8}$ 1 0.2	$\frac{4}{1} \mid \frac{1}{7}$ 0.88 0.8 0.8	$\frac{4}{1} \mid \frac{1}{7}$ 0.88 0.8 0.8	$\frac{4}{1} \mid \frac{1}{7}$ 0.88 0.8 0.8	$\frac{2}{3} \mid \frac{0}{8}$ 1 0.4	$\frac{5}{0} \mid \frac{1}{7}$ 0.88 0.83 1	$\frac{3}{2} \mid \frac{0}{8}$ 1 0.6	$\frac{4}{1} \mid \frac{0}{8}$ 1 0.8