

Response to Methotrexate (DHFR) for PANCAN cell lines

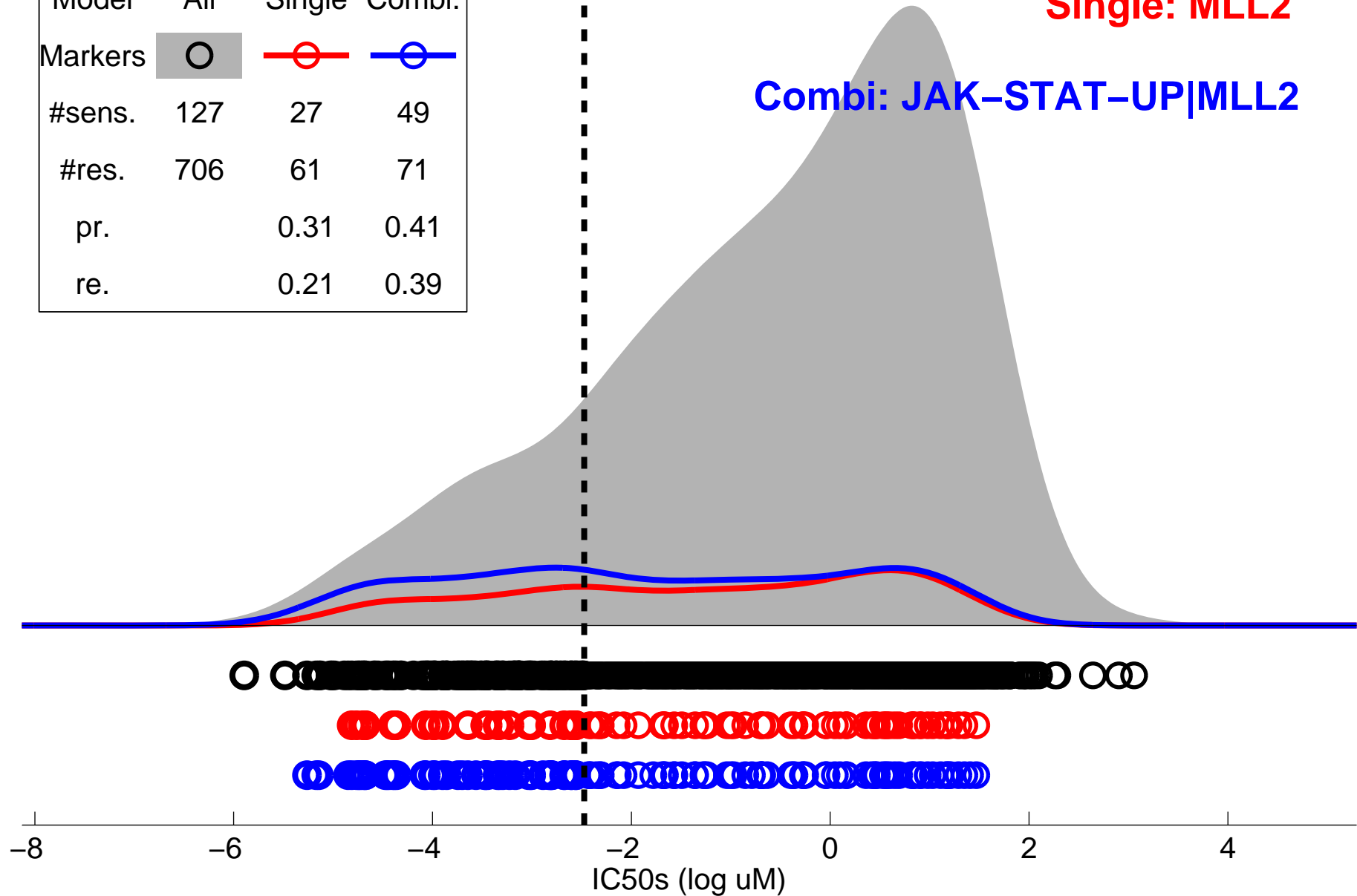
Sensitive Resistant



Model	All	Single	Combi.
Markers	○	○	○
#sens.	127	27	49
#res.	706	61	71
pr.		0.31	0.41
re.		0.21	0.39

Single: MLL2

Combi: JAK-STAT-UP|MLL2



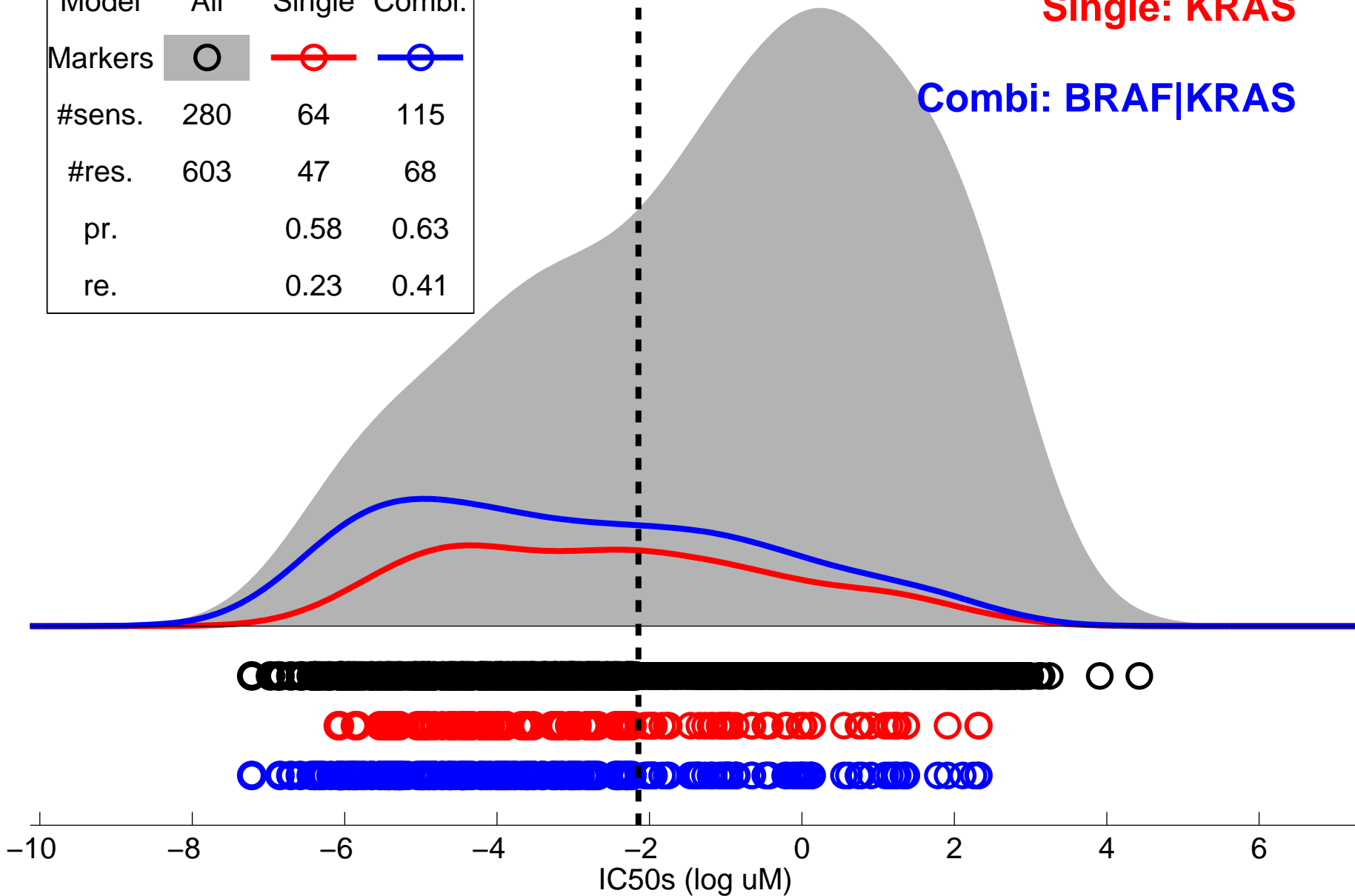
Response to Trametinib (MEK1/2) for PANCAN cell lines

Sensitive ← Resistant →

Model	All	Single	Combi.
Markers	○	○	○
#sens.	280	64	115
#res.	603	47	68
pr.		0.58	0.63
re.		0.23	0.41

Single: KRAS

Combi: BRAF|KRAS



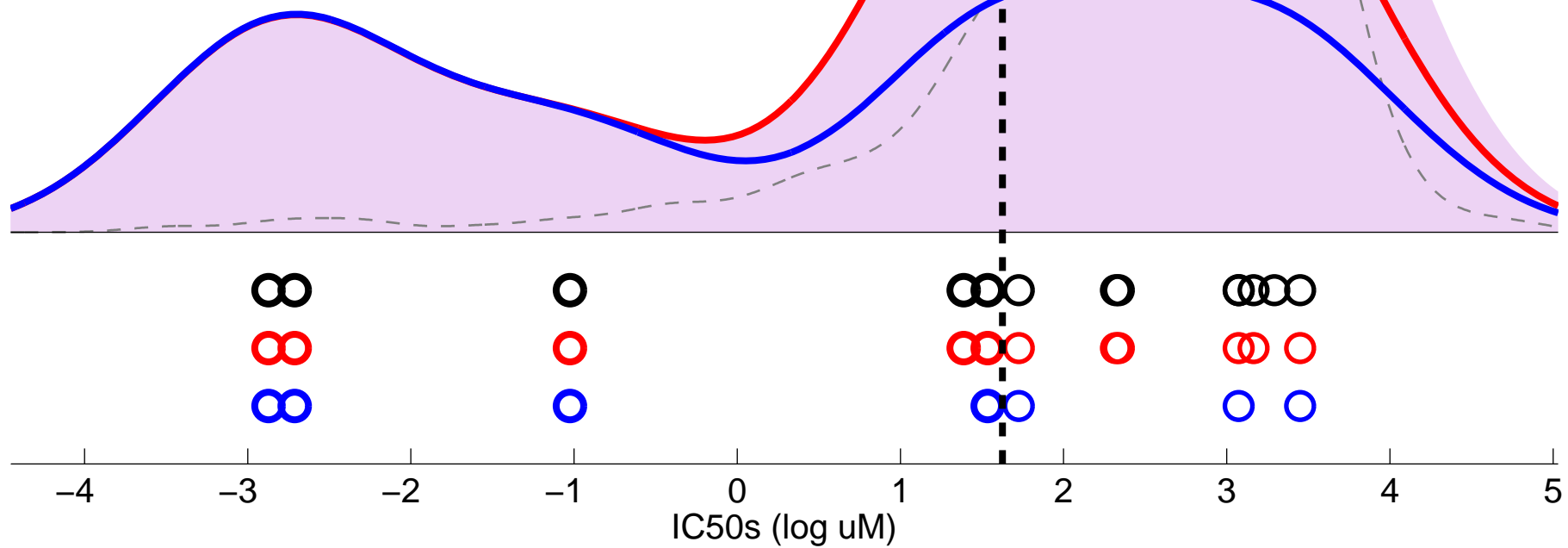
Response to Lapatinib (ERBB2,EGFR) for BRCA cell lines

Sensitive ← Resistant →

Model	All	Single	Combi.
Markers	○	○	○
#sens.	5	5	4
#res.	8	6	3
pr.		0.45	0.57
re.		1	0.8

Single: $\neg d(\text{FAT1}, \text{IRF2})$

Combi: TP53 & $\neg d(\text{FAT1}, \text{IRF2})$



Response to Afatinib (ERBB2,EGFR) for BRCA cell lines

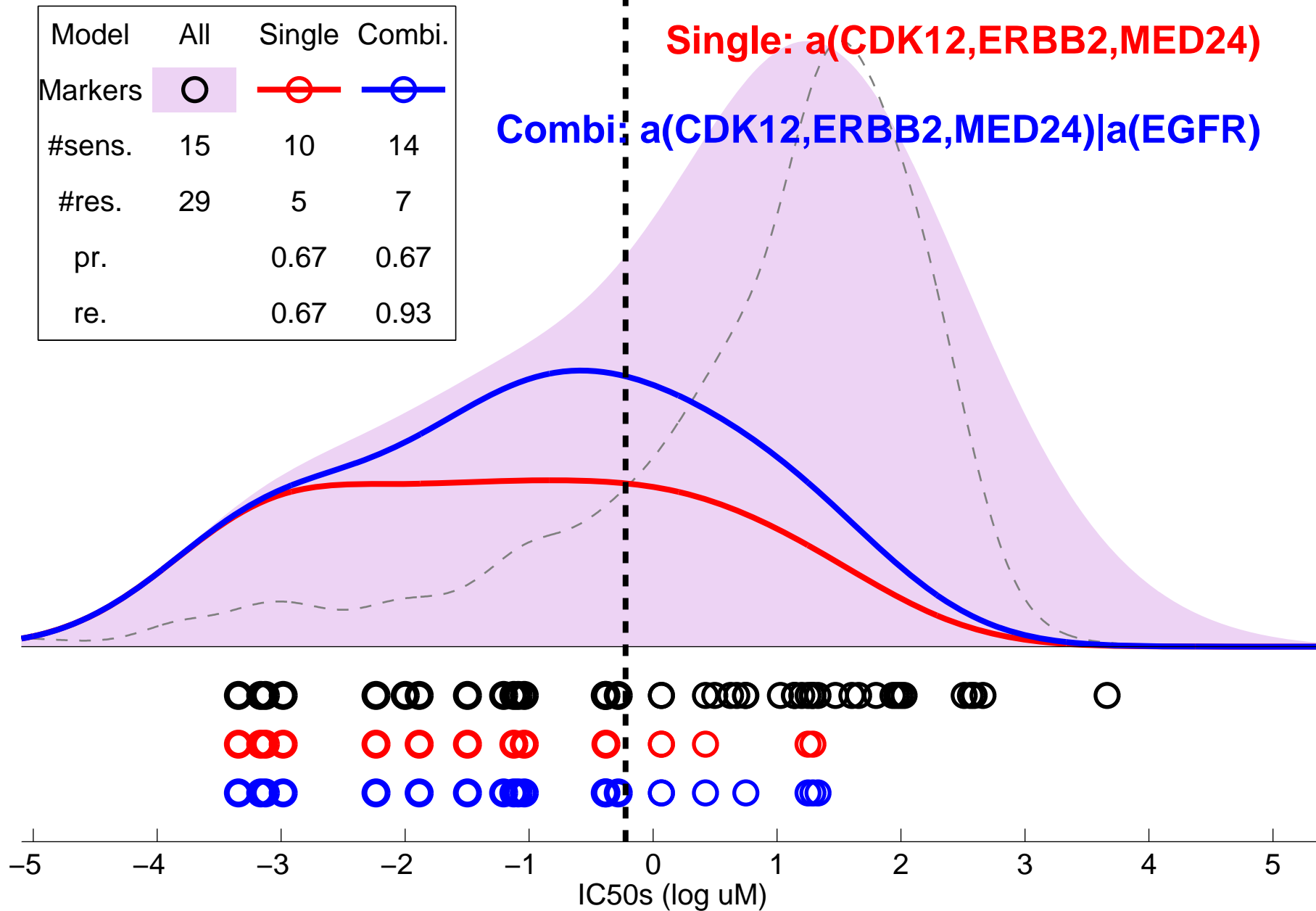
Sensitive ← Resistant



Model	All	Single	Combi.
Markers	○	○	○
#sens.	15	10	14
#res.	29	5	7
pr.		0.67	0.67
re.		0.67	0.93

Single: a(CDK12,ERBB2,MED24)

Combi: a(CDK12,ERBB2,MED24)|a(EGFR)



Response to Lenalidomide (TNFA) for DLBC cell lines

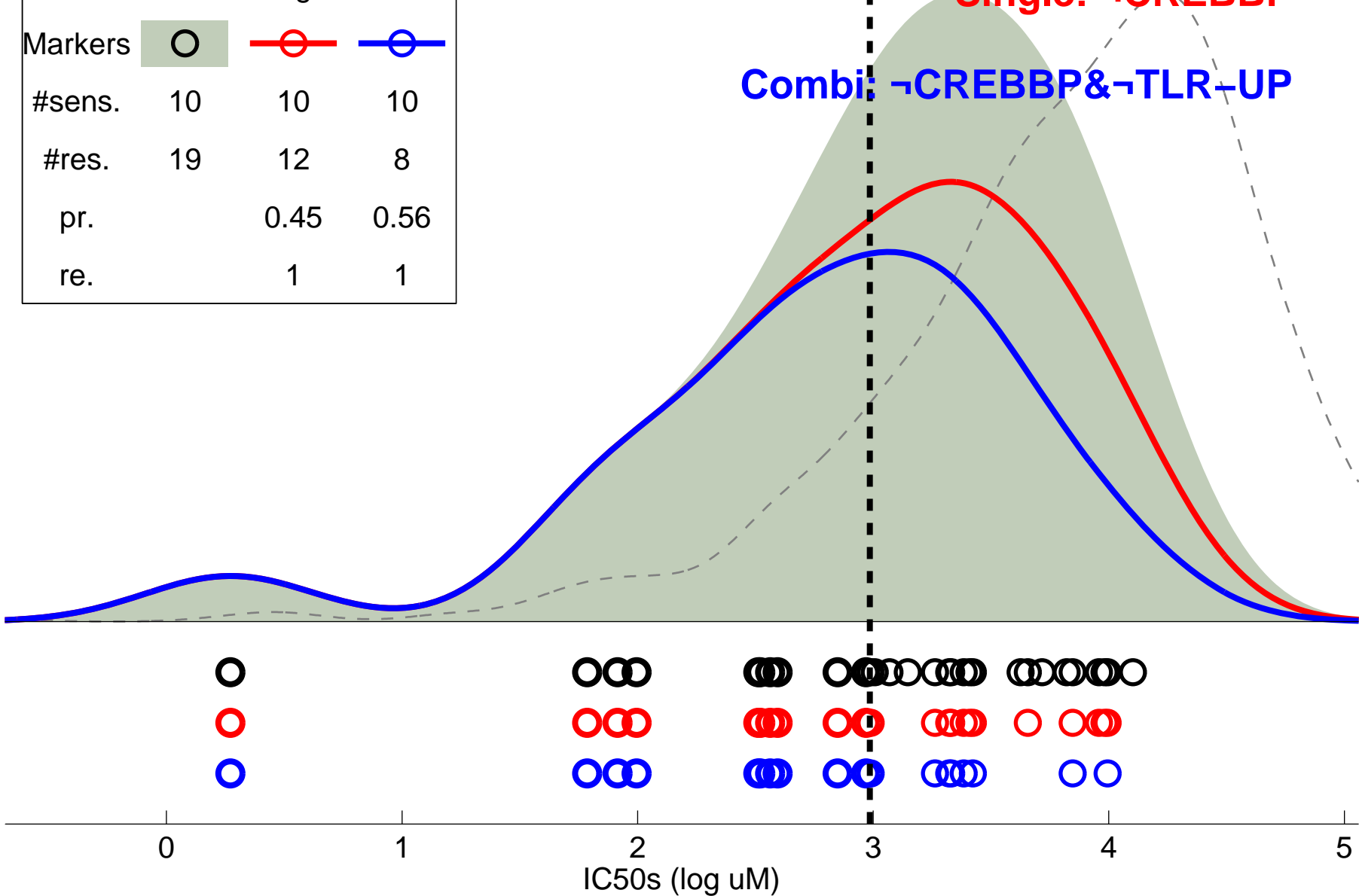
Sensitive • Resistant



Model	All	Single	Combi.
Markers	○	○	○
#sens.	10	10	10
#res.	19	12	8
pr.		0.45	0.56
re.		1	1

Single: -CREBBP

Combi: -CREBBP & -TLR-UP



Response to CAL-101 (PI3Kdelta) for DLBC cell lines

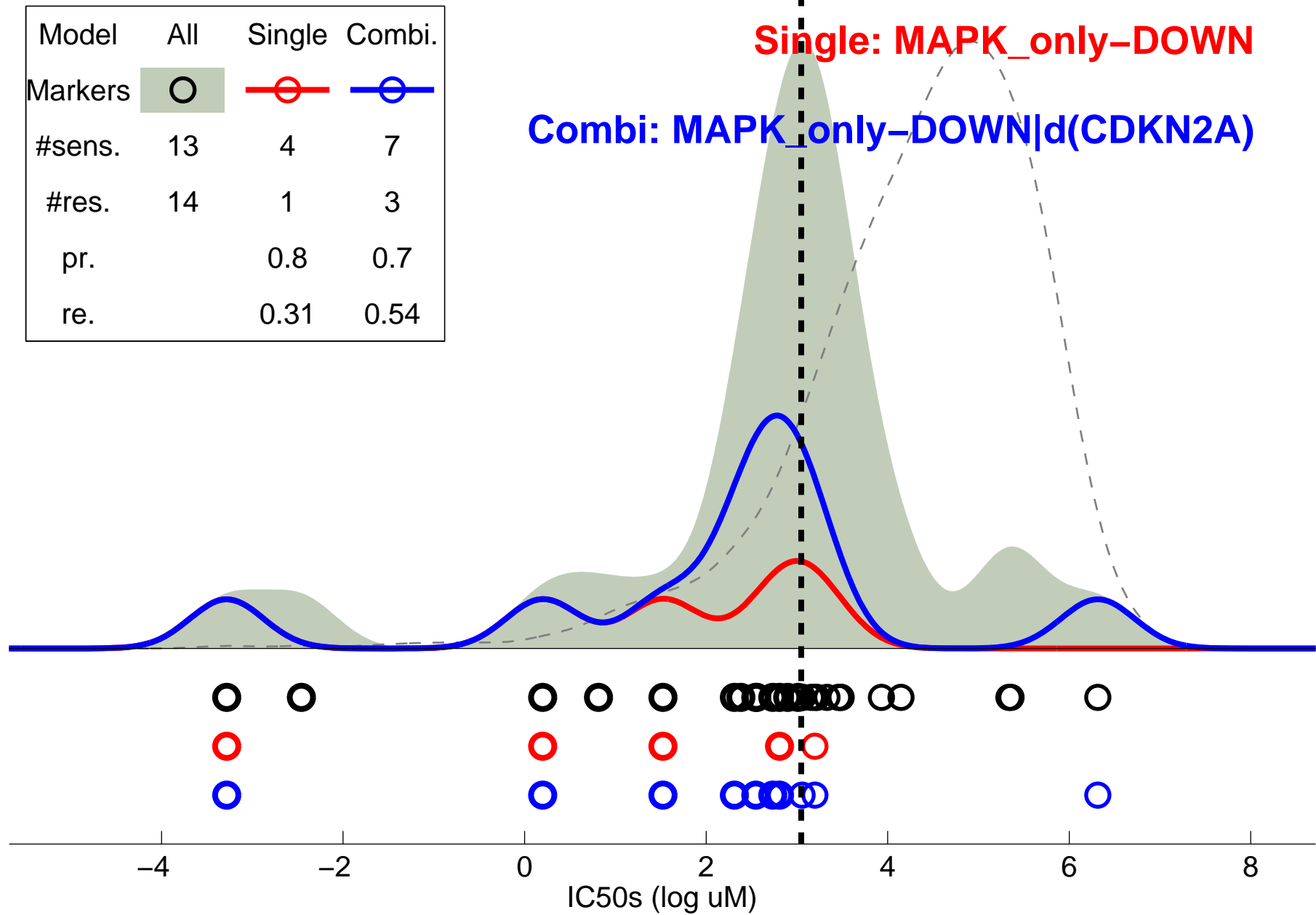
Sensitive Resistant



Model	All	Single	Combi.
Markers	○	○	○
#sens.	13	4	7
#res.	14	1	3
pr.		0.8	0.7
re.		0.31	0.54

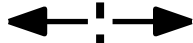
Single: MAPK_only-DOWN

Combi: MAPK_only-DOWN|d(CDKN2A)



Response to Bosutinib (SRC,ABL,TEC) for DLBC cell lines

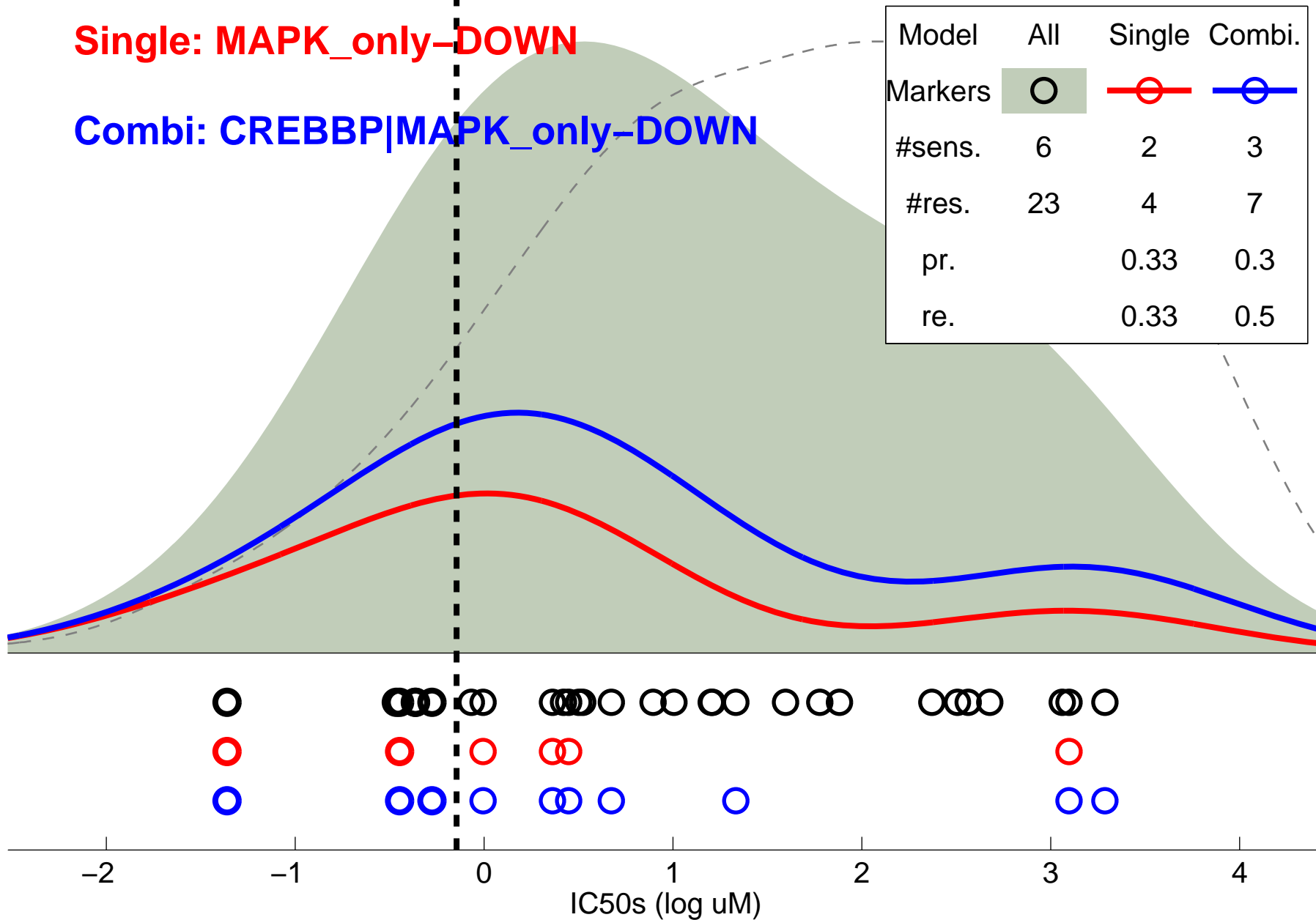
Sensitive Resistant



Single: MAPK_only-DOWN

Combi: CREBBP|MAPK_only-DOWN

Model	All	Single	Combi.
Markers	○	○	○
#sens.	6	2	3
#res.	23	4	7
pr.		0.33	0.3
re.		0.33	0.5



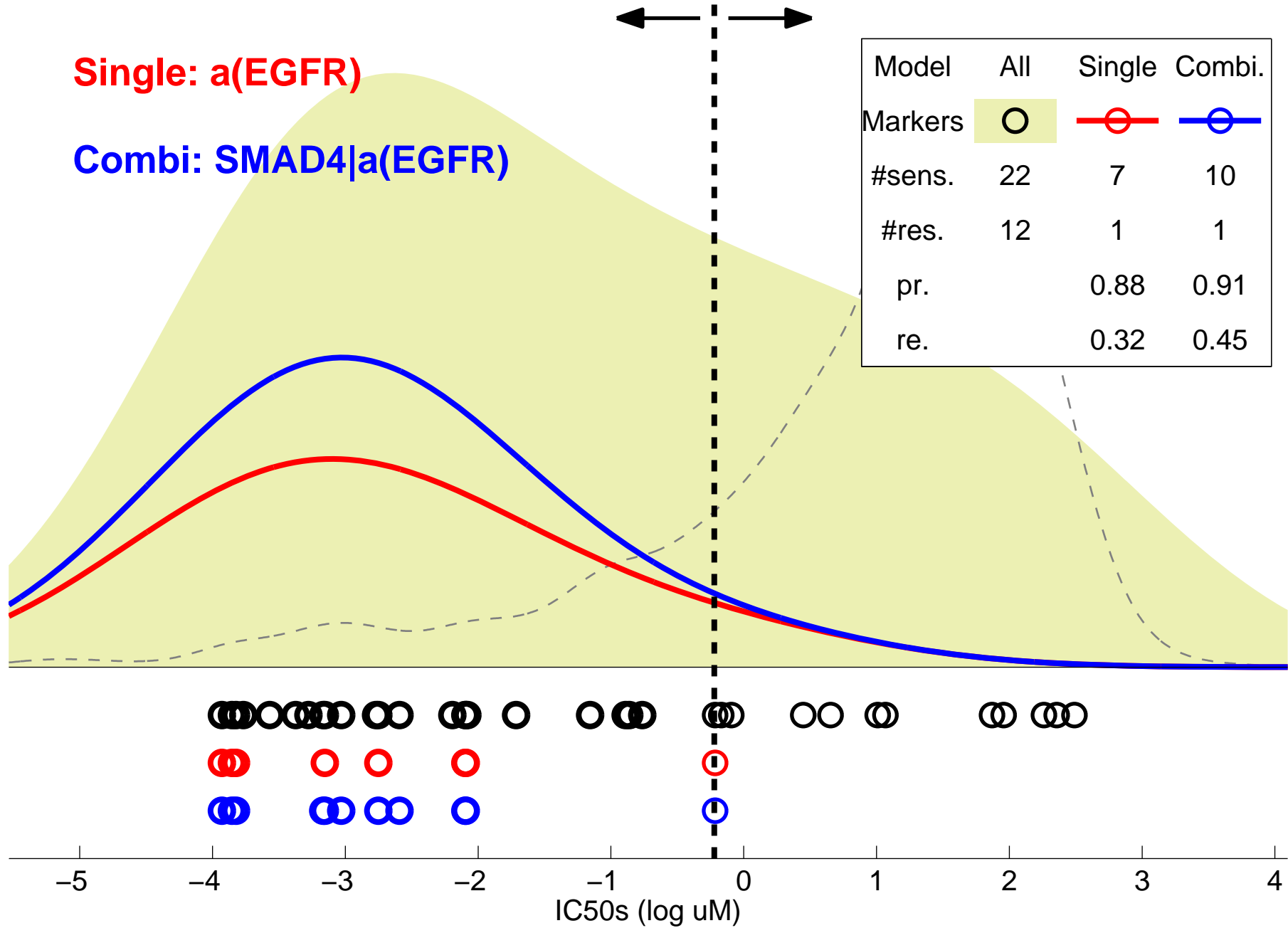
Response to Afatinib (ERBB2,EGFR) for HNSC cell lines

Sensitive ← Resistant

Single: a(EGFR)

Combi: SMAD4|a(EGFR)

Model	All	Single	Combi.
Markers	○	○	○
#sens.	22	7	10
#res.	12	1	1
pr.		0.88	0.91
re.		0.32	0.45



Response to Trametinib (MEK1/2) for HNSC cell lines

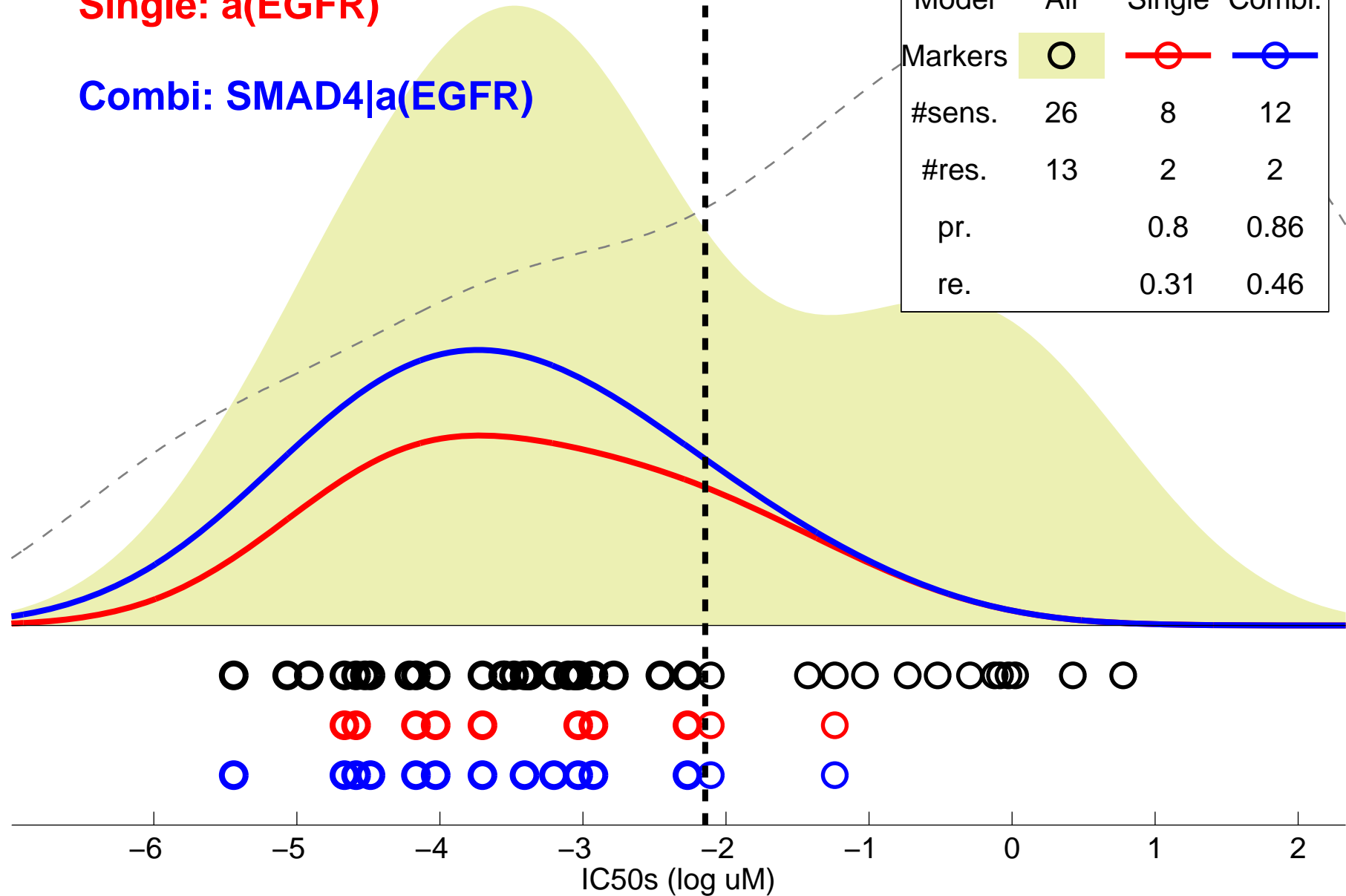
Sensitive Resistant



Single: a(EGFR)

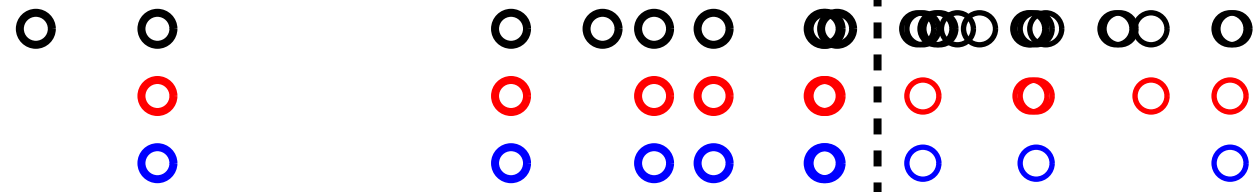
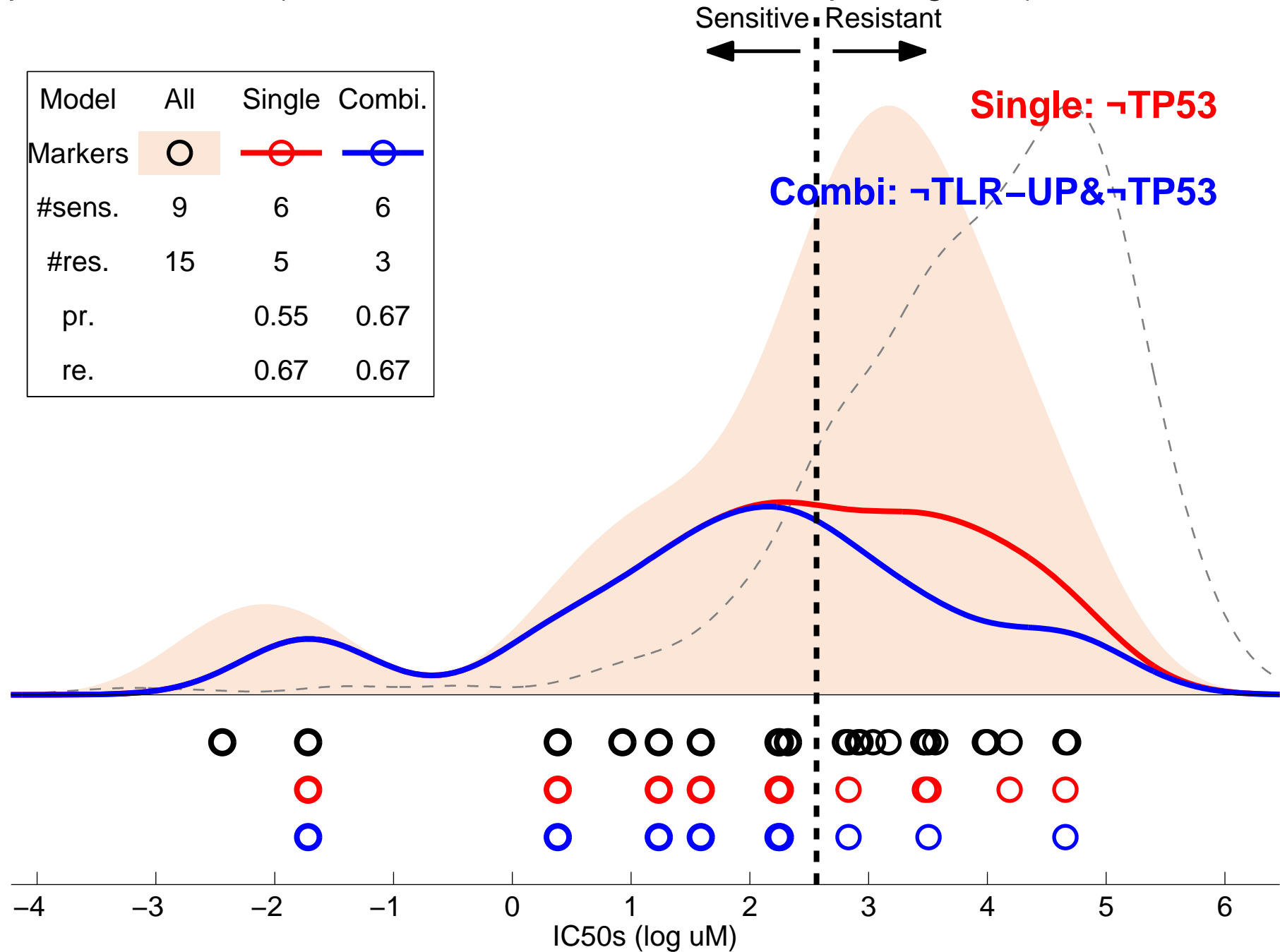
Combi: SMAD4|a(EGFR)

Model	All	Single	Combi.
Markers	○	○	○
#sens.	26	8	12
#res.	13	2	2
pr.		0.8	0.86
re.		0.31	0.46

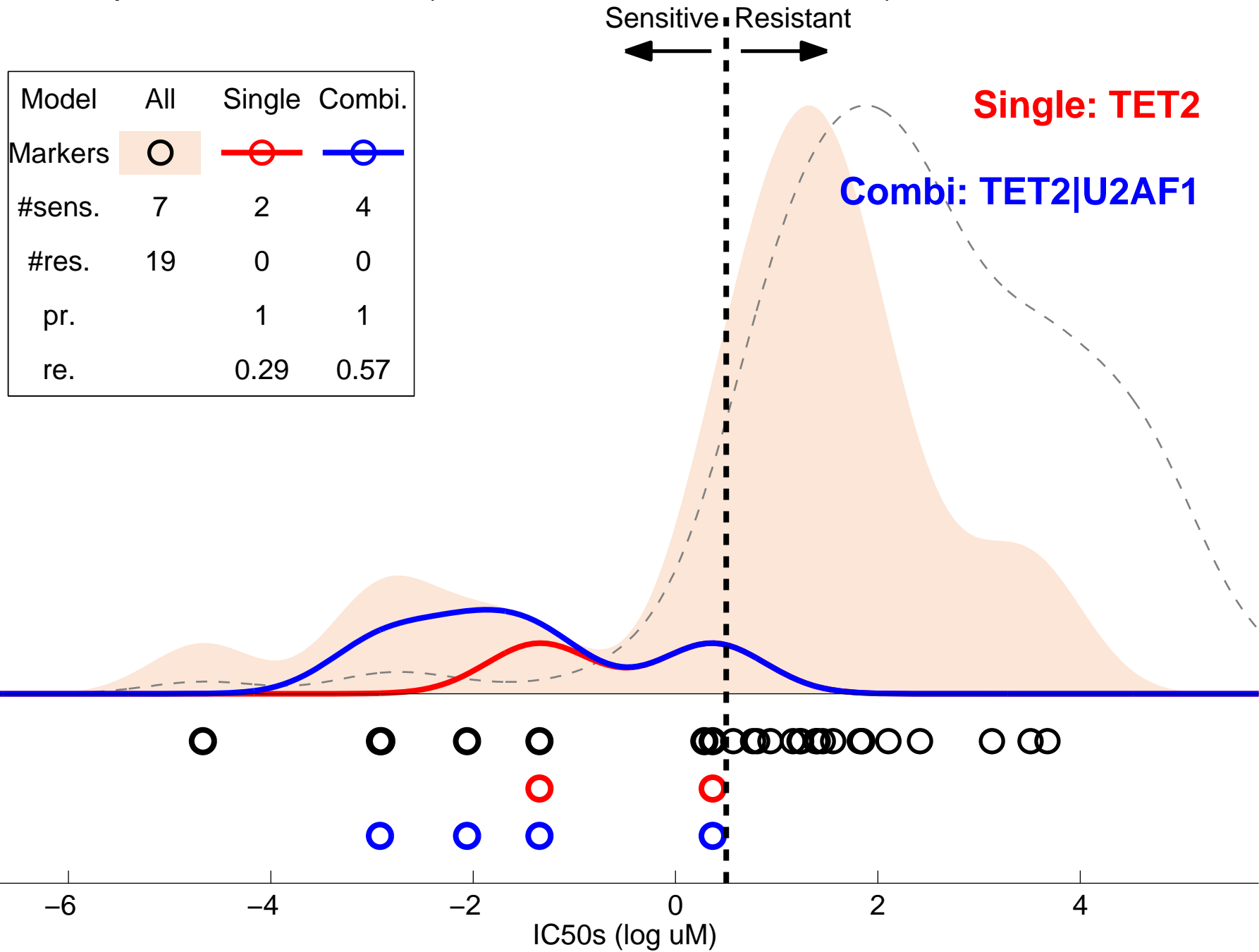


Response to ATRA (Retinoic acid and retinoid X receptor agonist) for LAML cell lines

Model	All	Single	Combi.
Markers	○	○	○
#sens.	9	6	6
#res.	15	5	3
pr.		0.55	0.67
re.		0.67	0.67



Response to Sunitinib (PDGFRA/B,KDR,KIT,FLT3) for LAML cell lines



Response to XL-184 (VEGFR,MET,RET,KIT,FLT1/3/4,Tie2,AXL) for LAML cell lines

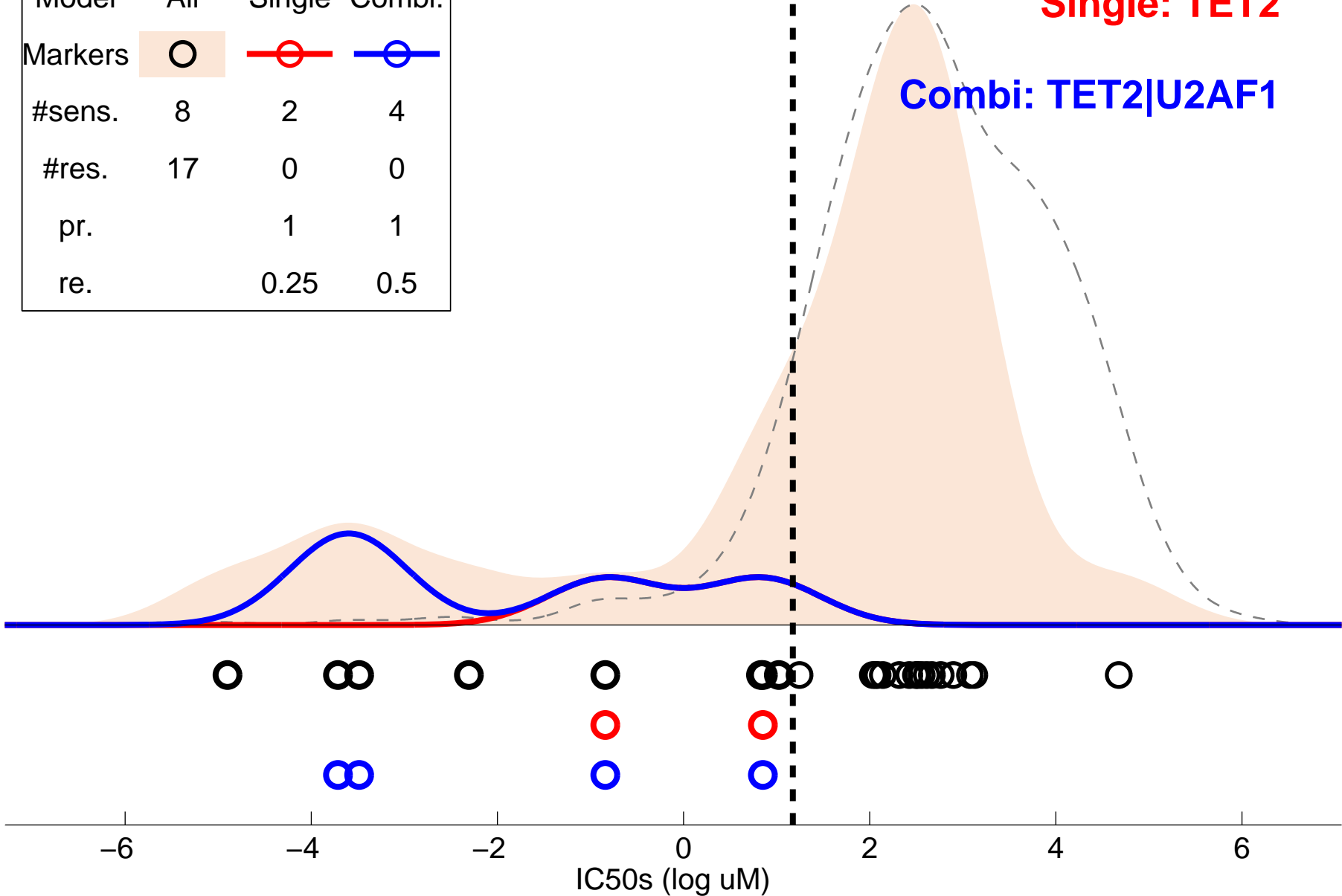
Sensitive Resistant



Model	All	Single	Combi.
Markers	○	○	○
#sens.	8	2	4
#res.	17	0	0
pr.		1	1
re.		0.25	0.5

Single: TET2

Combi: TET2|U2AF1



-6 -4 -2 0 2 4 6

IC50s (log uM)

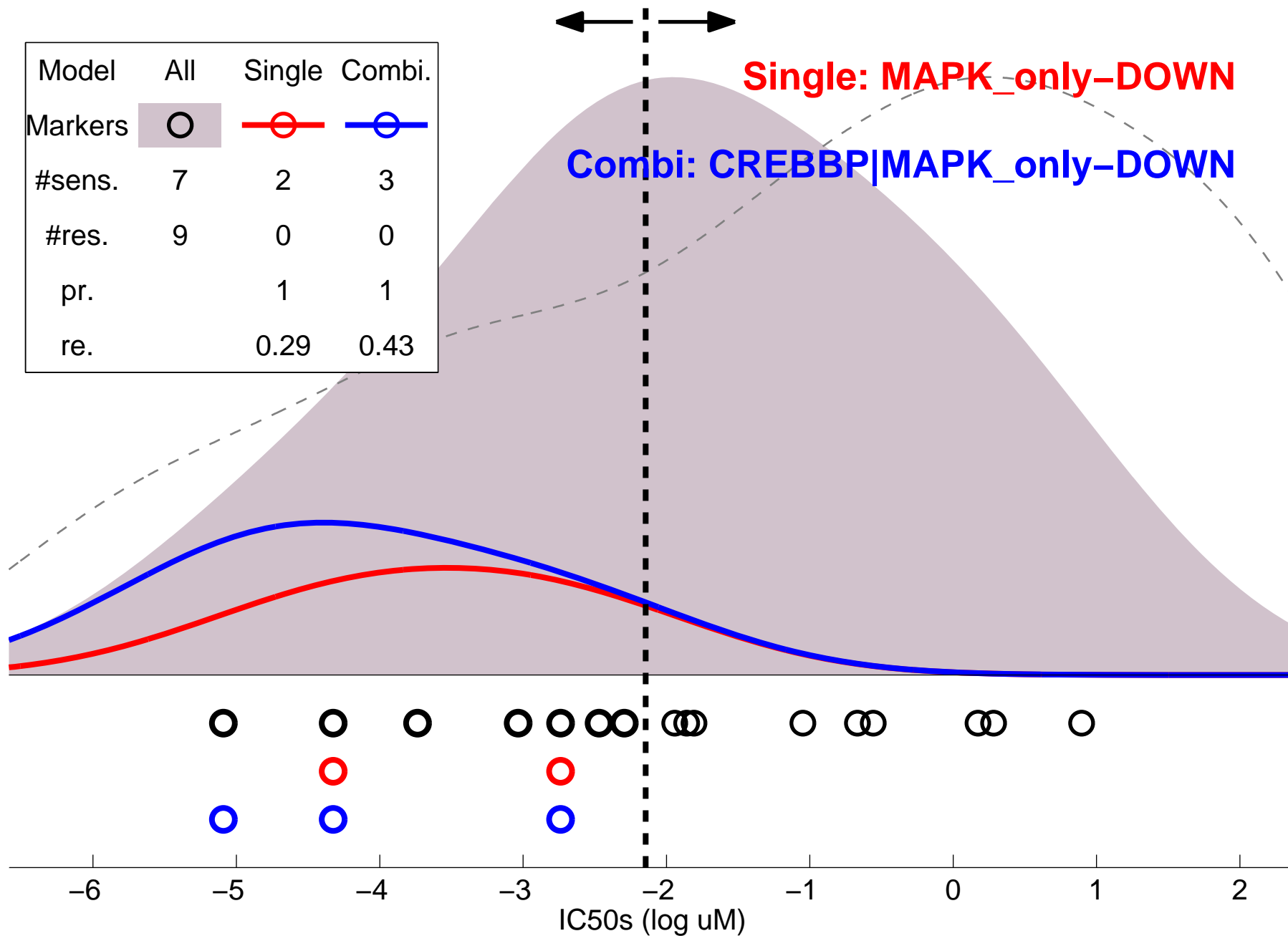
Response to Trametinib (MEK1/2) for LIHC cell lines

Sensitive ← Resistant →

Model	All	Single	Combi.
Markers	○	○	○
#sens.	7	2	3
#res.	9	0	0
pr.		1	1
re.		0.29	0.43

Single: MAPK_only-DOWN

Combi: CREBBP|MAPK_only-DOWN



Response to Dasatinib (ABL, SRC, KIT, PDGFR) for LUAD cell lines

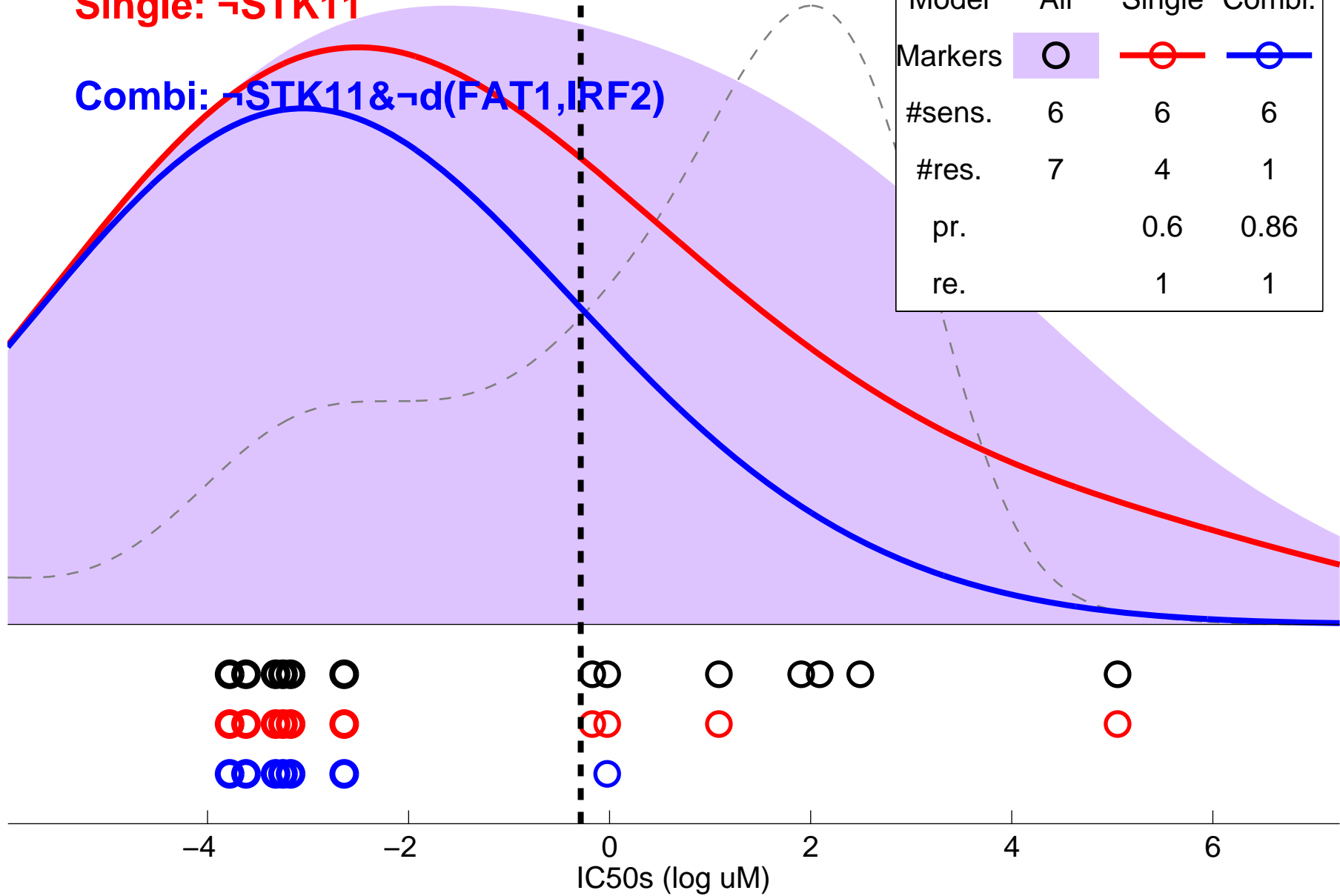
Sensitive ← Resistant



Single: \neg STK11

Combi: \neg STK11 & \neg d(FAT1, IRF2)

Model	All	Single	Combi.
Markers	○	○	○
#sens.	6	6	6
#res.	7	4	1
pr.		0.6	0.86
re.		1	1



Response to Dabrafenib (BRAF) for SKCM cell lines

Sensitive ← Resistant →

Single: a(FOXP1,MITF)

Combi: TGFB-DOWN|a(FOXP1,MITF)

Model	All	Single	Combi.
Markers	○	○	○
#sens.	34	6	11
#res.	10	1	1
pr.		0.86	0.92
re.		0.18	0.32

