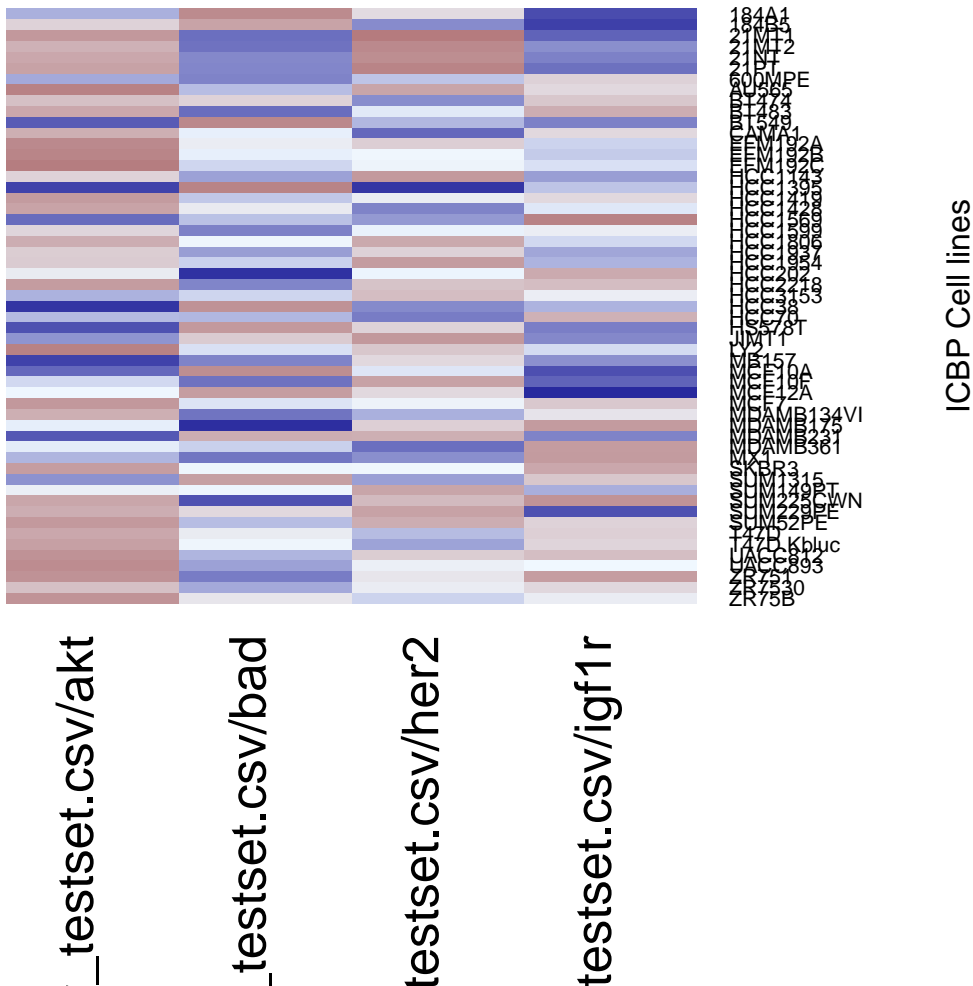
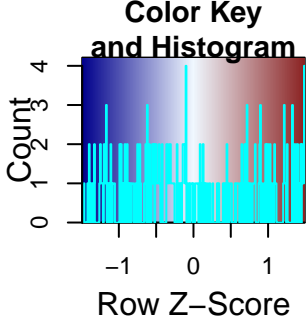
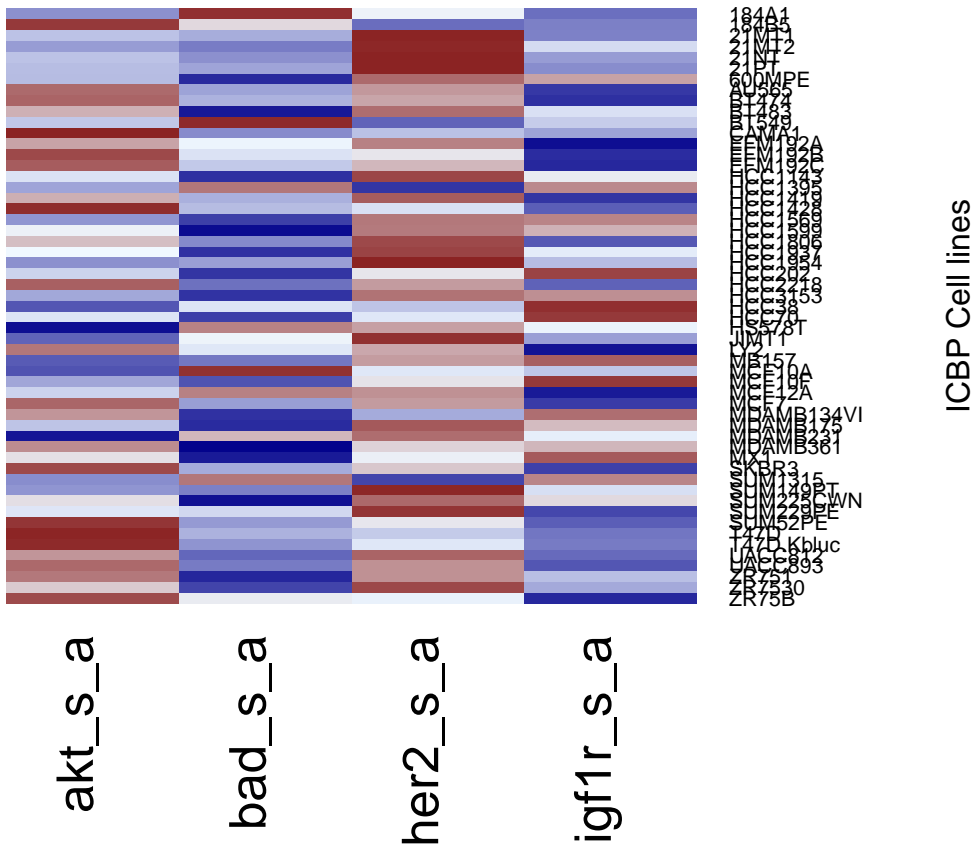


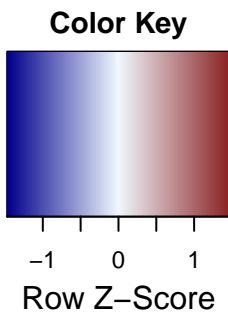
ected Multipathway Adaptive Activity





redicted Single Pathway Activity

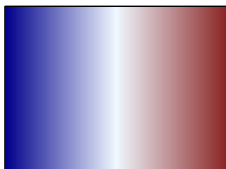




Multi Adap Pathway Activation Status

0.35	0.2	0.49	0.19	HCC1143
0.35	0.16	0.29	0.31	HCC1599
0.41	0.3	0.43	0.26	HCC1806
0.36	0.19	0.36	0.2	HCC1937
0.21	0.26	0.38	0.31	HCC3153
0.22	0.22	0.15	0.4	HCC70
0.08	0.16	0.34	0.18	MB157
0.22	0.14	0.17	0.49	MX1
0.31	0.3	0.45	0.21	SUM149PT
0.41	0.34	0.46	0.1	SUM229PE
all_4/A/akt	all_4/A/bad	all_4/A/her2	all_4/A/igf1r	

Color Key



-1 0 1
Row Z-Score

Single Adap Pathway Activation Status

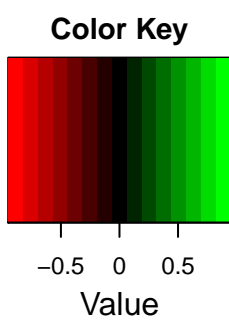
0.27	0.16	0.42	0.3	HCC1143
0.33	0.14	0.43	0.38	HCC1599
0.34	0.31	0.36	0.3	HCC1806
0.31	0.13	0.51	0.3	HCC1937
0.2	0.11	0.38	0.35	HCC3153
0.25	0.14	0.26	0.42	HCC70
0.04	0.06	0.24	0.29	MB157
0.28	0.05	0.27	0.43	MX1
0.26	0.25	0.38	0.29	SUM149PT
0.35	0.34	0.51	0.24	SUM229PE

akt_s_a

bad_s_a

her2_s_a

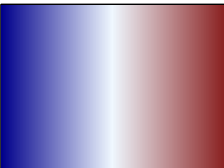
igf1r_s_a



Correlations of predicted way activation with drug response in BASAL

Lapatinib	AKT1.2.inhibitor					all_4/A/akt	
			-0.64	-0.65	-0.19	-0.36	
			-0.43	-0.43	-0.63	-0.55	all_4/A/bad
			-0.92	-0.95	-0.49	-0.54	all_4/A/her2
			0.76	0.81	0.2	0.29	all_4/A/igf1r
			-0.22	-0.22		-0.26	akt_s_a
			-0.42	-0.45	-0.48	-0.47	bad_s_a
			-0.79	-0.8	-0.11	-0.28	her2_s_a
	0.83	0.87	0.37	0.46	igf1r_s_a		

Color Key



-1 0 1

Row Z-Score

Simplified Multi Adap Pathway Activation Status

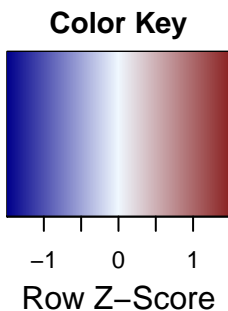
0.59	0.23	0.44	0.34	AU565
0.38	0.35	0.17	0.37	BT474
0.56	0.32	0.36	0.25	EFM192A
0.58	0.29	0.3	0.25	EFM192B
0.61	0.26	0.31	0.27	EFM192C
0.49	0.24	0.32	0.34	HCC1419
0.13	0.23	0.19	0.59	HCC1569
0.36	0.25	0.48	0.22	HCC1954
0.32	0.06	0.3	0.42	HCC202
0.48	0.16	0.37	0.38	HCC2218
0.18	0.36	0.5	0.17	JIMT1
0.29	0.25	0.14	0.48	MDAMB361
0.47	0.3	0.3	0.43	SKBR3
0.44	0.1	0.39	0.52	SUM225CWN
0.53	0.22	0.36	0.38	UACC812
0.55	0.2	0.31	0.3	UACC893
0.38	0.21	0.32	0.35	ZR7530

all_4/A/akt

all_4/A/bad

all_4/A/her2

all_4/A/igf1r



ified Single Adap Pathway Activation Status

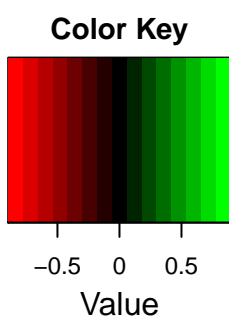
0.54	0.35	0.5	0.27	AU565
0.44	0.34	0.41	0.28	BT474
0.51	0.42	0.55	0.21	EFM192A
0.57	0.39	0.42	0.25	EFM192B
0.57	0.37	0.48	0.23	EFM192C
0.44	0.35	0.49	0.29	HCC1419
0.23	0.15	0.47	0.46	HCC1569
0.24	0.26	0.71	0.3	HCC1954
0.36	0.09	0.46	0.77	HCC202
0.43	0.27	0.4	0.26	HCC2218
0.14	0.33	0.6	0.21	JIMT1
0.4	0.24	0.36	0.38	MDAMB361
0.51	0.33	0.42	0.26	SKBR3
0.46	0.21	0.59	0.47	SUM225CWN
0.5	0.31	0.54	0.32	UACC812
0.51	0.29	0.47	0.27	UACC893
0.34	0.24	0.41	0.28	ZR7530

akt_s_a

bad_s_a

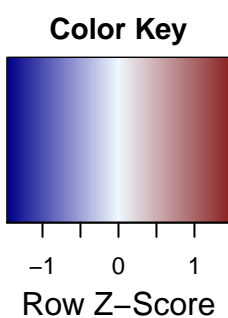
her2_s_a

igf1r_s_a

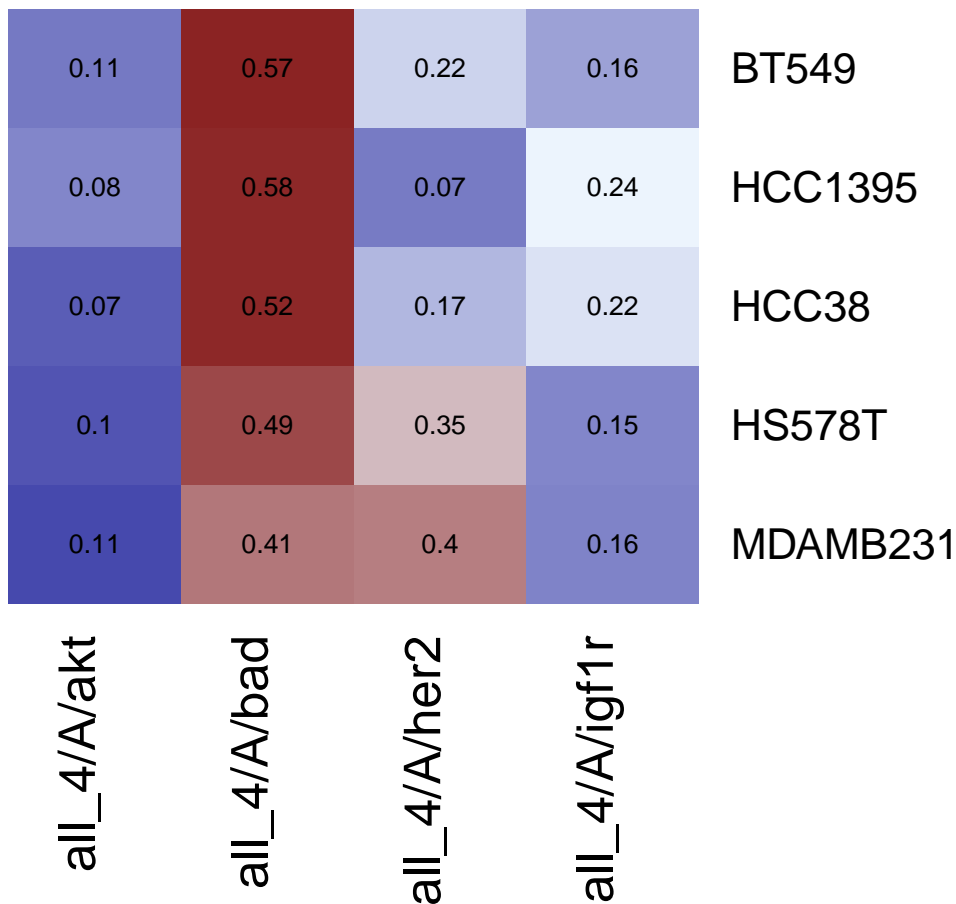


Correlations of predicted way activation with drug response in ERBB2 amplified

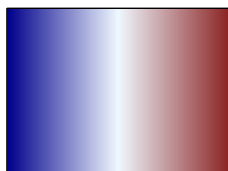
0.78	0.3	0.43	0.6	all_4/A/akt
	-0.07	0.78		all_4/A/bad
0.29	-0.31	-0.12	0.17	all_4/A/her2
-0.3	0.15	-0.6	-0.65	all_4/A/igf1r
0.75	0.59	0.36	0.63	akt_s_a
0.58	0.33	0.87	0.57	bad_s_a
-0.08	-0.46	-0.34		her2_s_a
-0.23		-0.9	-0.37	igf1r_s_a
Lapatinib	AKT1.2.inhibitor	Temsirolimus	Everolimus	



How Multi Adap Pathway Activation Status

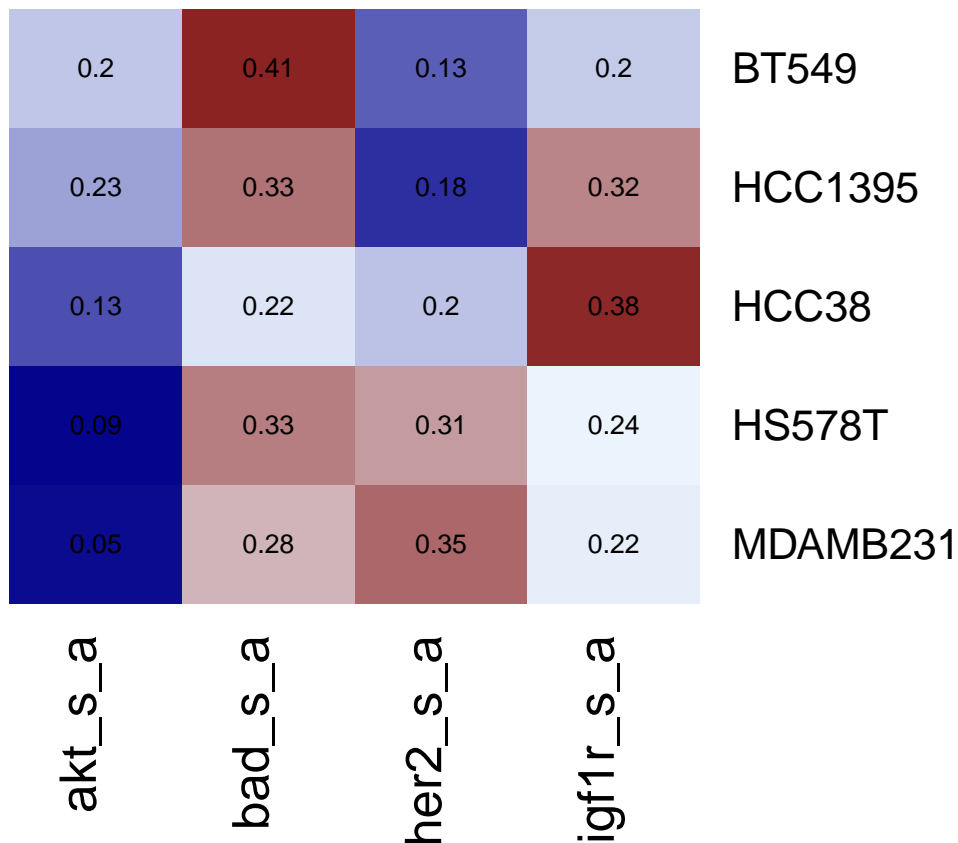


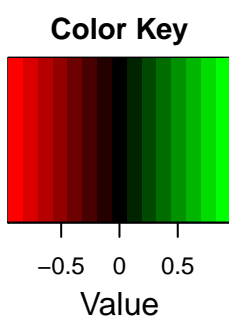
Color Key



-1 0 1
Row Z-Score

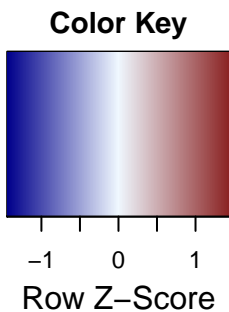
w Single Adap Pathway Activation Status





Correlations of predicted way activation with drug response in Claudin Low

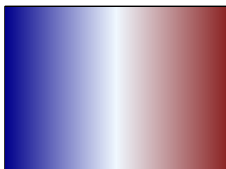
Lapatinib AKT1.2.inhibitor Temsirolimus Everolimus				
	-0.13	0.63	-0.1	all_4/A/akt
	0.87	0.46	0.61	all_4/A/bad
	-0.83		-0.36	all_4/A/her2
	0.57	-0.44	-0.09	all_4/A/igf1r
	0.95	0.45	0.47	akt_s_a
	0.51	0.67	0.33	bad_s_a
	-0.74	-0.73	-0.82	her2_s_a
	0.18	-0.6	0.1	igf1r_s_a



Multi Adap Pathway Activation Status

0.43	0.13	0.28	0.41	BT483
0.4	0.29	0.13	0.34	CAMA1
0.45	0.32	0.16	0.28	HCC1428
0.59	0.27	0.37	0.27	LY2
0.5	0.28	0.31	0.37	MCF7
0.4	0.14	0.21	0.33	MDAMB134VI
0.49	0.23	0.41	0.35	SUM52PE
0.44	0.32	0.23	0.36	T47D
0.52	0.15	0.33	0.48	ZR751
0.52	0.33	0.26	0.32	ZR75B
all_4/A/akt	all_4/A/bad	all_4/A/her2	all_4/A/igf1r	

Color Key



Row Z-Score

Single Adap Pathway Activation Status

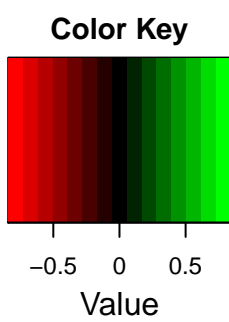
0.44	0.19	0.5	0.35	BT483
0.47	0.28	0.31	0.29	CAMA1
0.51	0.35	0.37	0.3	HCC1428
0.55	0.42	0.51	0.24	LY2
0.52	0.35	0.48	0.29	MCF7
0.37	0.14	0.23	0.4	MDAMB134VI
0.49	0.34	0.39	0.31	SUM52PE
0.52	0.36	0.37	0.33	T47D
0.52	0.28	0.51	0.39	ZR751
0.49	0.38	0.37	0.25	ZR75B

akt_s_a

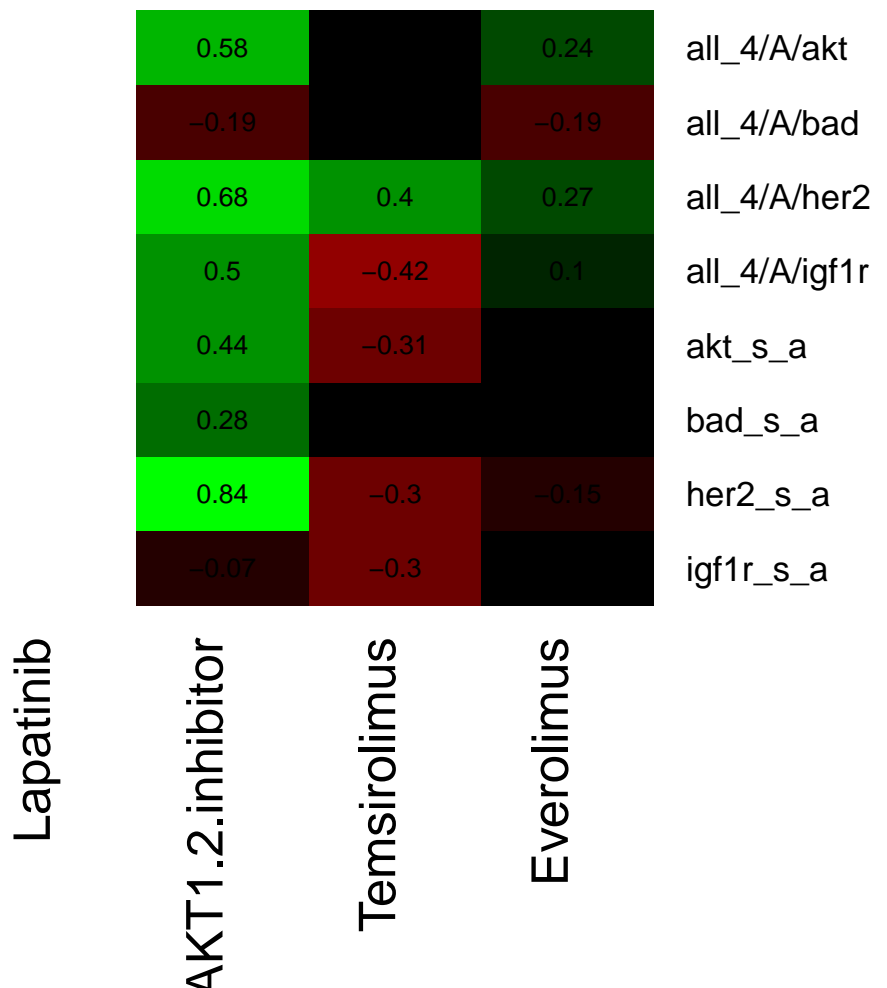
bad_s_a

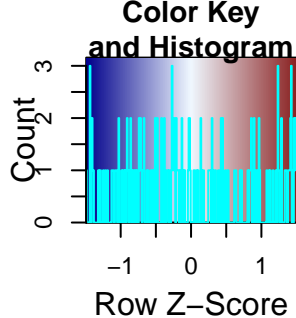
her2_s_a

igf1r_s_a

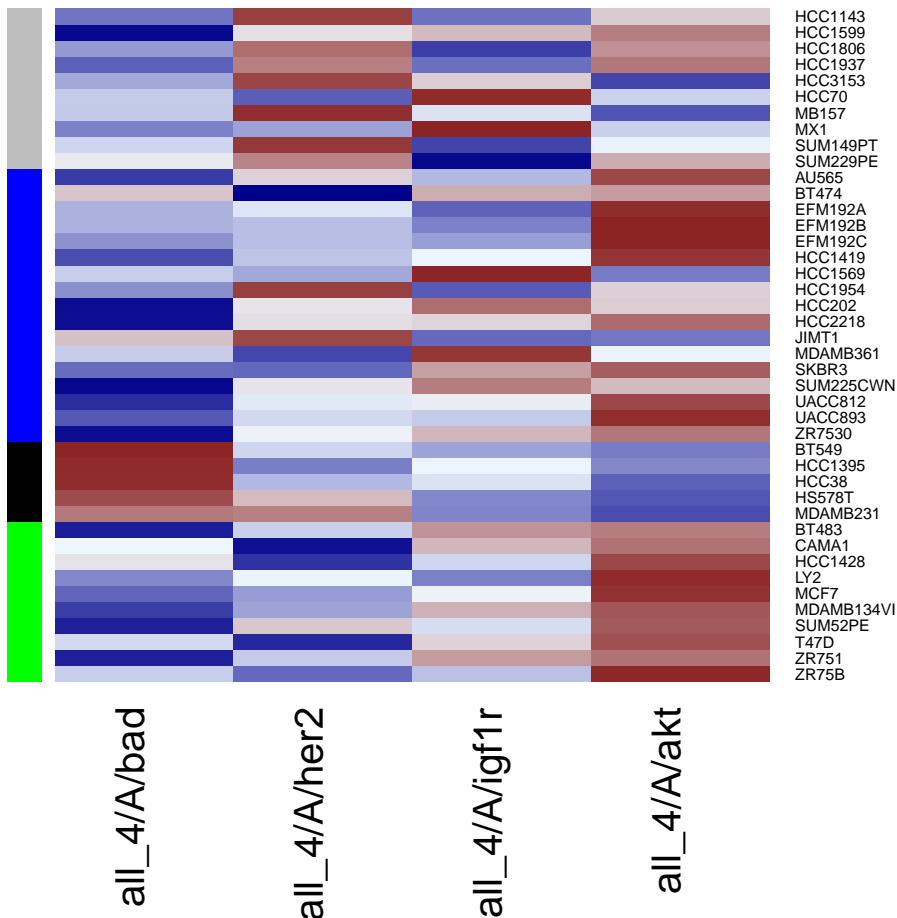
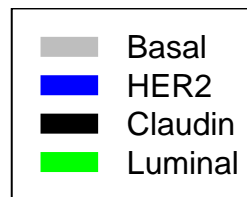


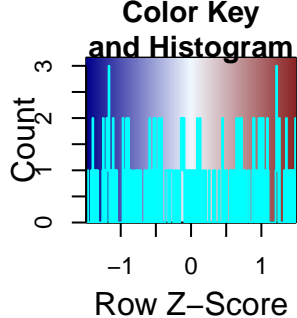
Correlations of predicted way activation with drug response in Luminal





Multi Preds within Subtypes





Single Preds within Subtypes

