

Supplemental Table 1

Signatures	N	pCR rate	Univariate Analysis				Multivariate Analysis			
			OR	Lower 95%	Upper 95%	p-value	OR	Lower 95%	Upper 95%	p-value
Age (cont. variable)	-	-	1.0	0.95	1.01	0.169	-	-	-	-
Tumor size										
T0-T1	23	35%	1.0	-	-	-	1.0	-	-	-
T2-T4	203	19%	2.3	0.92	5.86	0.076	0.4	0.12	1.78	0.093
PAM50										
Luminal A	75	1%	1.0	-	-	-	1.0	-	-	-
Luminal B	42	14%	12.3	1.43	106.32	0.022	55.7	2.11	1469.08	0.018
HER2-E	32	38%	44.4	7.29	431.35	<0.001	27.2	1.32	584.27	0.006
Basal-like	58	43%	56.1	5.44	362.21	<0.001	75.7	3.57	1691.25	0.033
Normal-like	19	11%	8.7	0.75	101.67	0.084	6.1	0.53	79.54	0.142
3-Gene Signature										
ER+/HER2-/Low Prolif	52	4%	1.0	-	-	-	1.0	-	-	-
ER+/HER2-/High Prolif	85	8%	2.2	0.45	11.23	0.325	0.2	0.01	2.89	0.213
HER2+	24	50%	25.0	4.93	126.80	<0.001	2.7	0.18	42.90	0.565
ER-/HER2-	65	38%	15.6	3.49	69.93	<0.001	0.5	0.03	8.45	0.632

Supplemental Figure 1

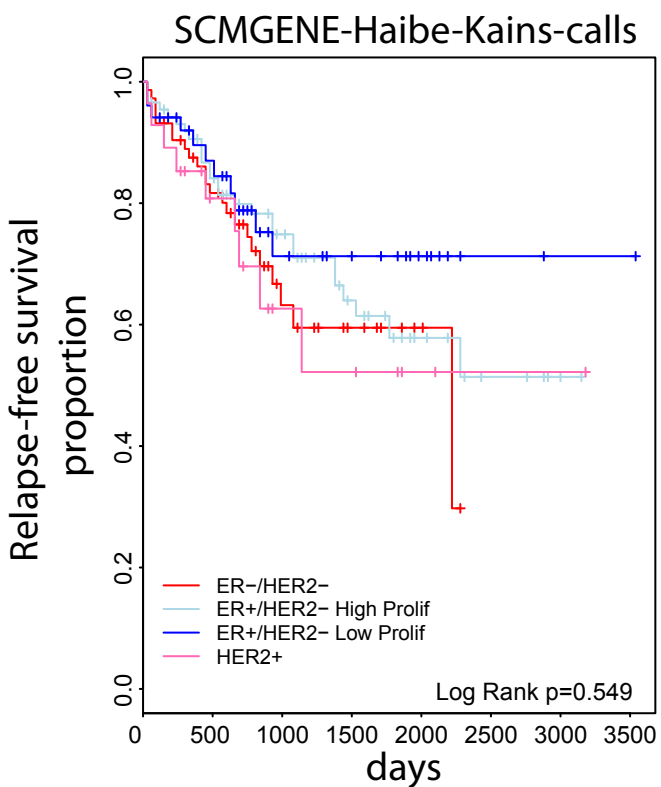
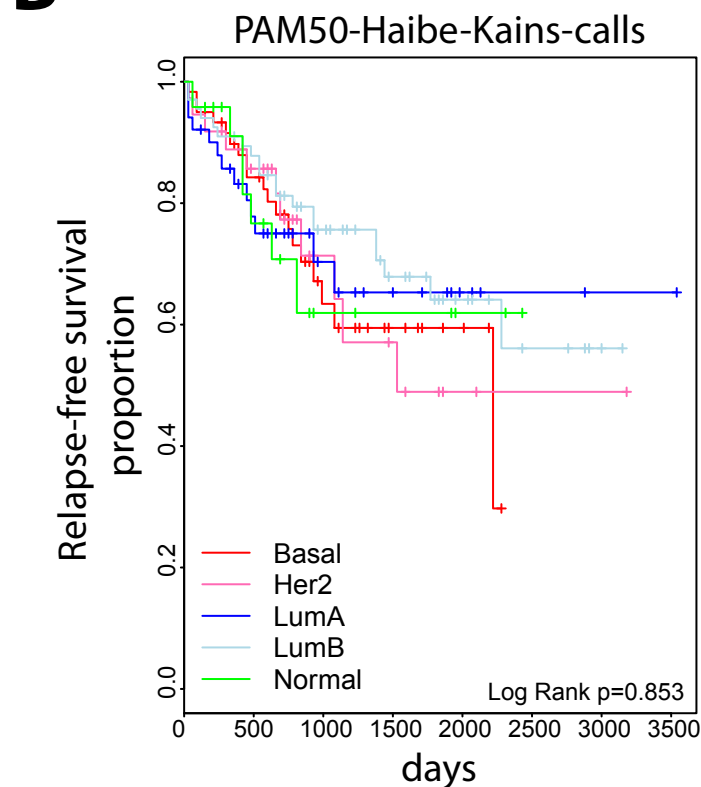
A

Haibe-Kains calls

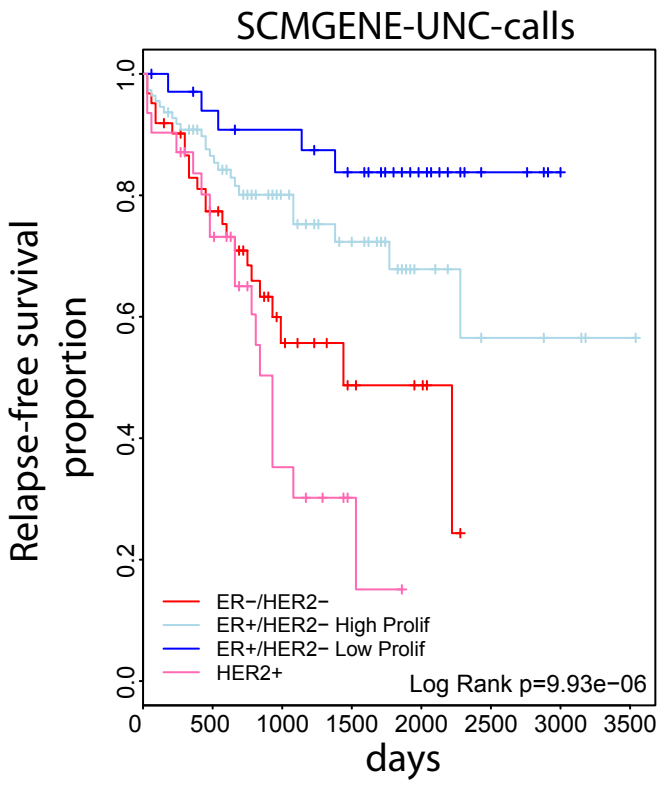
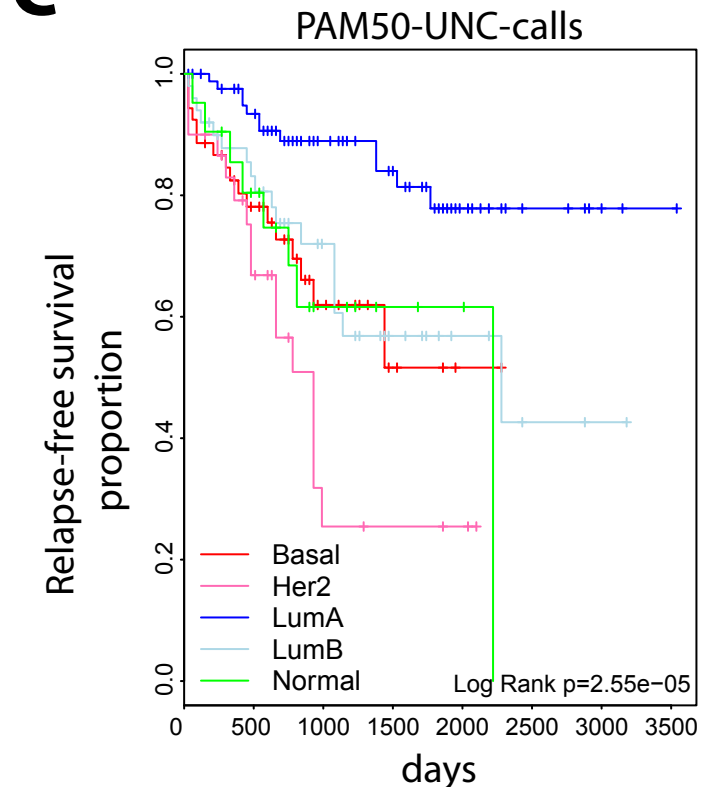
UNC-calls

	ER-/HER2-	ER+/HER2- High Prolif	ER+/HER2- Low Prolif	HER2+		Basal-like	HER2-E	Luminal A	Luminal B	Normal-like
ER-/HER2-	62	25	0	8	Basal-like	52	3	0	15	13
ER+/HER2- High Prolif	14	54	28	18	HER2-E	9	14	6	13	4
ER+/HER2- Low Prolif	2	39	9	10	Luminal A	1	12	33	18	0
HER2+	9	17	3	7	Luminal B	7	12	56	7	2
Kappa score = 0.193					Normal-like	9	0	4	10	5
					Kappa score = 0.182					

B



C



Supplemental Figure 2

