

Table SI. The parameter estimates from the regression model with their 95% confidence intervals.

	Control						Epirubicin					
Analyzed RNA	Intercept	BT474	MCF7	MDA-MB-231	SKBR-3	T-47D	BT-20	BT474	MCF7	MDA-MB-231	SKBR-3	T-47D
HOTAIR	0.03 (0.02, 0.04), P=0.00	-0.03 (-0.05, -0.01), P=0.00	-0.02 (-0.03, -0.00), P=0.03	-0.03 (-0.05, -0.02), P=0.00	-0.01 (-0.02, 0.01), P=0.30	0.004 (-0.01, 0.02), P=0.62	0.03 (0.02, 0.05), P=0.00	0.001 (-0.02, 0.02), P=0.92	0.009 (-0.01, 0.02), P=0.29	0.000 (-0.02, 0.02), P=0.99	0.084 (0.07, 0.10), P=0.00	0.061 (0.05, 0.08), P=0.00
TERC	0.31 (0.201, 0.41) P=0,00	-0.15 (-0.30, -0.01) P=0.05	-0.23 (-0.38, -0.08) P=0.003	-0.23 (-0.34, -0.08) P=0.003	-0.15 (-0.30, -0.01) P=0.05	-0.26 (-0.40, -0.11) P=0.001	-0.06 (-0.21, 0.08) P=0.40	-0.03 (-0.17, 0.12) P=0.73	0.06 (-0.08, 0.21) P=0.40	-0.02 (-0.17, 0.12) P= 0.76	-0.06 (-0.21, 0.09) P=0.43	0.02 (-0.13, 0.16) P=0.84
MALAT1	0.57 (-1.03, 2.16) P=0.49	0.92 (-1.33, 3.18) P=0.42	4.38 (2.12, 6.63) P=0.00	0.31 (-1.94, 2.56) P=0.79	-0.18 (-2.43, 2.08) P=0.88	3.70 (1.45, 5.95) P=0.002	-0.01 (-2.26, 2.24) P=0.99	0.20 (-2.06, 2.45) P=0.87	1.07 (-1.18, 3.32) P=0.36	-0.15 (-2.40, 2.11) P=0.90	0.17 (-2.08, 2.42) P=0.88	-1.70 (-3.96, 0.55) P=0.143
Linc312	0.01 (-0.02, 0.03) P=0.70	-0.003 (-0.04, 0.03) P=0.87	0.04 (-0.003, 0.07) P=0.07	-0.001 (-0.04, 0.04) P=0.98	0.00 (-0.04, 0.04) P=0.10	0.03 (-0.01, 0.06) P=0.17	0.01 (-0.03, 0.04) P=0.75	0.00 (-0.04, 0.04) P=0.98	0.03 (-0.01, 0.06) P=0.19	-0.001 (-0.04, 0.04) P=0.96	0.00 (-0.04, 0.04) P=0.10	0.001 (-0.04, 0.04) P=0.95
CYTOR	0.43 (0.31, 0.55) P=0.00	-0.39 (-0.57, -0.22) P=0.00	-0.33 (-0.51, -0.16) P=0.00	0.41 (0.23, 0.58) P=0.00	-0.08 (-0.26, 0.09) P=0.36	-0.39 (-0.56, -0.21) P=0.00	0.34 (0.17, 0.52) P=0.00	0.28 (0.10, 0.45) P=0.003	0.04 (-0.14, 0.21) P=0.66	0.33 (0.16, 0.51) P=0.00	0.16 (-0.02, 0.33) P=0.08	0.01 (-0.17, 0.18) P=0.94
Wspar	0.02 (0.004, 0.03) P=0.02											
BC4	0.04 (0.03, 0.04) P=0.00	-0.03 (-0.04, -0.01) P=0.00	-0.03 (-0.04, -0.02) P=0.00		-0.01 (-0.02, 0.01) P=0.335	-0.03 (-0.04, -0.02) P=0.00	0.08 (0.07, 0.09) P=0.00	0.00 (-0.01, 0.01) P=0.72	0.00 (-0.01, 0.01) P=0.84		0.02 (0.00, 0.03) P=0.01	-0.00 (-0.01, 0.01) P=0.7

BCAR4	0.002 (-0.003, 0.01) P=0.47	-0.001 (-0.01, 0.01) P=0.83	0.02 (0.01, 0.02) P=0.00	-0.001 (-0.01, 0.02) P=0.70	0.004 (-0.003, 0.01) P=0.30	0.012 (0.01, 0.02) P=0.002	0.002 (-0.01, 0.01) P=0.57	0.00 (-0.01, 0.02) P=0.91	-0.003 (-0.01, 0.004) P=0.44	0.00 (-0.01, 0.01) P=0.93	0.001 (-0.01, 0.01) P=0.72	0.01 (0.002, 0.02) P=0.01
CCAT2	0.02 (0.01, 0.03) P=0.003				-0.02 (-0.03, 0.002) P=0.09	-0.02 (-0.03, 0.001) P=0.07			-0.01 (-0.03, 0.01) P=0.37		-0.002 (-0.02, 0.02) P=0.83	0.00 (-0.02, 0.02) P=0.98
NKILA	0.003 (-0.14, 0.15) P=0.97	-0.002 (-0.21, 0.20) P=0.98	0.26 (0.05, 0.46) P=0.02	0.00 (-0.20, 0.20) P=1.00	0.002 (-0.20, 0.20) P=0.98	0.02 (-0.19, 0.22) P=0.88	0.02 (-0.19, 0.22) P=0.89	0.01 (-0.20, 0.21) P=0.94	0.88 (0.68, 1.08) P=0.0	0.003 (-0.20, 0.21) P=0.98	0.00 (-0.20, 0.20) P=1.0	0.01 (-0.2, 0.21) P=0.96
FTX	0.001 (-0.002, 0.01) P=0.49	0.002 (-0.003, 0.01) P=0.53	0.02 (0.02, 0.03) P=0.00	-0.001 (-0.01, 0.004) P=0.82	0.002 (-0.003, 0.01) P=0.37	0.00 (-0.01, 0.01) P=0.85	0.00 (-0.01, 0.01) P=0.90	0.00 (-0.01, 0.01) P=0.98	0.002 (-0.003, 0.01) P=0.40	0.00 (-0.01, 0.01) P=0.99	0.001 (-0.004, 0.01) P=0.64	0.001 (-0.004, 0.01) P=0.77
JPX	0.01 (0.004, 0.01) P=0.00	0.001 (-0.002, 0.01) P=0.56	0.02 (0.02, 0.02) P=0.00	-0.004 (-0.01, -0.001) P=0.02	0.00 (0.00, 0.01) P=0.06	-0.003 (-0.01, 0.00) P=0.06	-0.004 (-0.01, 0.00) P=0.04	-0.01 (-0.01, -0.001) P=0.01	-0.004 (-0.01, -0.001) P=0.03	-0.001 (-0.01, 0.002) P=0.55	-0.004 (-0.01, 0.00) P=0.04	-0.001 (-0.004, 0.003) P=0.71
Ki67	0.81 (0.68, 0.94) P=0.00	-0.15 (-0.33, 0.04) P=0.13	0.15 (-0.04, 0.34) P=0.12	-0.19 (-0.38, -0.003) P=0.05	0.26 (0.07, 0.45) P=0.01	-0.37 (-0.56, -0.18) P=0.00	0.04 (-0.15, 0.23) P=0.70	-0.28 (-0.47, -0.09) P=0.01	-0.39 (-0.58, -0.21) P=0.00	-0.18 (-0.37, 0.01) P=0.07	-0.1 (-0.29, 0.09) P=0.30	-0.08 (-0.27, 0.11) P=0.40
Cycl.D1	0.18 (-0.57, 0.92) P=0.64	2.06 (1.01, 3.12) P=0.0	3.45 (2.4, 4.50) P=0.00	0.59 (-0.46, 1.65) P=0.27	-0.16 (-1.22, 0.89) P=0.76	0.16 (-0.89, 1.21) P=0.77	-0.08 (-1.13, 0.97) P=0.89	-1.4 (-2.45, -0.35) P=0.01	0.38 (-0.68, 1.43) P=0.49	-0.38 (-1.43, 0.67) P=0.48	0.00 (-1.05, 1.06) P=0.99	-0.04 (-1.09, 1.01) P=0.94
	Gemcitabine						Paclitaxel					
	BT-20	BT474	MCF7	MDA-	SKBR-3	T-47D	BT-20	BT474	MCF7	MDA-	SKBR-3	T-47D

				MB-231						MB-231		
HOTAIR	0.01 (-0.01, 0.03) P=0.24	0.001 (-0.02, 0.02) P=0.94	0.01 (-0.01, 0.03) P=0.21	0.00 (-0.02, 0.02) P=0.99	0.01 (-0.01, 0.03) P=0.28	0.01 (-0.003, 0.03) P=0.10	0.001 (-0.02, 0.02) P=0.93	0.00 (-0.02, 0.02) P=0.10	0.01 (-0.01, 0.03) P=0.25	0.00 (-0.02, 0.02) P=1.00	-0.001 (-0.02, 0.02) P=0.95	-0.001 (-0.02, 0.02) P=0.88
TERC	0.05 (-0.10, 0.20) P=0.51	-0.04 (-0.19, 0.11) P=0.62	0.03 (-0.12, 0.18) P=0.71	-0.01 (-0.16, 0.14) P=0.91	0.05 (-0.09, 0.20) P=0.48	0.01 (-0.13, 0.16) P=0.86	0.03 (-0.12, 0.18) P=0.71	-0.01 (-0.16, 0.14) P=0.87	0.03 (-0.12, 0.17) P=0.72	0.01 (-0.14, 0.15) P=0.93	0.09 (-0.06, 0.24) P=0.23	0.00 (-0.15, 0.15) P=0.10
MALAT1	0.002 (-2.25, 2.26) P=0.10	0.35 (-1.90, 2.60) P=0.76	0.55 (-1.70, 2.80) P=0.63	-0.25 (-2.50, 2.01) P=0.83	-0.07 (-2.32, 2.19) P=0.95	-0.70 (-2.96, 1.55) P=0.54	-0.12 (-2.37, 2.14) P=0.92	0.02 (-2.23, 2.28) P=0.98	-0.67 (-2.93, 1.58) P=0.56	-0.21 (-2.46, 2.04) P=0.86	-0.10 (-2.36, 2.15) P=0.93	-0.55 (-2.80, 1.71) P=0.64
Linc312	0.001 (-0.04, 0.04) P= 0.94	0.001 (-0.04, 0.04) P=0.97	0.006 (-0.03, 0.04) P=0.743	-0.001(-0.04, 0.04) P=0.95	-0.001 (-0.04, 0.04) P=0.95	-0.01 (-0.04, 0.03) P: 0.71	0.00 (-0.04, 0.04) P=0.98	0.00 (-0.04, 0.04) P=0.98	0.01 (-0.03, 0.04) P=0.73	0.00 (-0.04,0.04) P=0.99	-0.001(-0.04, 0.04) P=0.97	-0.001 (-0.04, 0.04) P=0.97
CYTOR	0.26 (0.08, 0.43) P=0.01	0.32 (0.15, 0.50) P=0.001	0.12 (-0.05, 0.30) P=0.18	0.04 (-0.14, 0.21) P=0.70	0.17 (-0.01, 0.35) P=0.06	0.06 (-0.11, 0.24) P=0.49	0.04 (-0.13, 0.22) P=0.63	0.001 (-0.18, 0.18) P=1.00	0.05 (-0.13, 0.22) P=0.61	-0.001 (-0.18, 0.18) P=1.00	-0.01 (-0.18, 0.17) P=0.95	-0.002 (-0.18, 0.17) P=0.98
Wspar												
BC4	0.02 (0.01, 0.03) P=0.00	0.00 (-0.01, 0.01) P=0.54	0.00 (-0.01, 0.01) 0.77		0.01 (0.00, 0.02) P=0.03	0.00 (-0.01, 0.01) P=0.92	0.00 (-0.01, 0.01) P=0.70	-0.00 (-0.01, 0.01) P=0.92	0.00 (-0.01, 0.01) P=0.91		0.01 (-0.00, 0.02) P=0.24	0.00 (-0.01, 0.01) P=0.97
BCAR4	0.00 (-0.01, 0.01) P=0.98	0.00 (-0.01, 0.01) P=0.91	0.003 (-0.004, 0.01) P=0.43	0.00 (-0.01, 0.01) P=0.98	-0.002 (-0.01, 0.01) P=0.64	-0.004 (-0.01, 0.003) P=0.28	0.00 (-0.01, 0.01) P=0.94	0.00 (-0.01, 0.01) P=0.98	0.002 (-0.01, 0.01) P=0.56	0.00 (-0.01, 0.01) P=1.0	-0.001 (-0.01, 0.01) P=0.82	-0.001 (-0.01, 0.01) P=0.77

CCAT2			0.01 (-0.01, 0.03) P=0.43		-0.003 (-0.02, 0.02) P=0.77	0.001 (-0.02, 0.02) P=0.92				-0.003 (-0.02, 0.02) P=0.74		-0.001 (-0.02, 0.02) P=0.88	0.000 (-0.02, 0.02) P=0.97
NKILA	0.002 (-0.20, 0.20) P=0.99	0.003 (-0.199, 0.21) P=0.98	0.27 (0.06, 0.47) P=0.01	-0.001 (-0.20, 0.20) P=0.99	-0.003 (-0.21, 0.20) P=0.98	-0.002 (-0.20, 0.20) P=0.99	0.001 (-0.20, 0.20) P=0.99	0.000 (-0.20, 0.20) P=1.00	0.12 (-0.09, 0.32) P=0.26	0.00 (-0.20, 0.20) P=1.00	0.00 (-0.20, 0.20) P=1.00	-0.002 (-0.20, 0.20) P=0.99	
FTX	0.001 (-0.004, 0.01) P=0.79	0.00 (-0.01, 0.01) P=0.85	0.001 (-0.004, 0.01) P=0.70	0.00 (-0.01, 0.01) P=0.93	-0.001 (-0.01, 0.004) P=0.78	0.001 (-0.004, 0.01) P=0.81	0.00 (-0.01, 0.01) P=0.86	0.00 (-0.01, 0.01) P=0.90	0.01 (0.002, 0.01) P=0.01	0.00 (-0.01, 0.01) P=0.95	0.001 (-0.004, 0.01) P=0.68	0.00 (-0.01, 0.01) P=0.91	
JPX	-0.002 (-0.01, 0.002) P=0.39	-0.001 (-0.004, 0.003) P=0.65	-0.004 (-0.01, 0.00) P=0.04	-0.001 (-0.01, 0.002) P=0.56	-0.003 (-0.01, 0.00) P=0.06	-0.001 (-0.004, 0.003) P=0.67	0.001 (-0.003, 0.01) P=0.57	-0.003 (-0.01, 0.001) P=0.11	-0.001 (-0.004, 0.003) P=0.61	0.000 (-0.004, 0.003) P=0.91	0.000 (-0.004, 0.003) P=0.91	0.00 (-0.004, 0.003) P=0.95	
Ki67	-0.23 (-0.42, -0.04) P=0.02	-0.31 (-0.5, -0.12) P=0.00	-0.04 (-0.22, 0.15) P=0.71	-0.22 (-0.41, -0.03) P=0.03	-0.4 (-0.59, -0.21) P=0.00	-0.01 (-0.2, 0.18) P=0.91	0.03 (-0.16, 0.21) P=0.8	-0.14 (-0.32, 0.05) P=0.16	0.03 (-0.16, 0.22) P=0.76	0.00 (-0.19, 0.19) P=0.98	-0.05 (-0.24, 0.14) P=0.61	-0.01 (-0.2, 0.18) P=0.93	
Cycl.D1	0.00 (-1.05, 1.06) P=1.0	-1.17 (-2.23, -0.12) P=0.03	-0.27 (-1.32, 0.78) P=0.62	-0.37 (-1.42, 0.68) P=0.49	-0.01 (-1.06, 1.05) P=0.99	-0.05 (-1.11, 1.0) P=0.92	-0.01 (-1.06, 1.04) P=0.99	-0.23 (-1.28, 0.82) P=0.67	-0.47 (-1.53, 0.58) P=0.38	0.07 (-0.99, 1.12) P=0.9	-0.01 (-1.06, 1.05) P=0.99	-0.05 (-1.10, 1.00) P=0.93	
	Zoledronic acid						Fulvestrant						
	BT-20	BT474	MCF7	MDA-MB-231	SKBR-3	T-47D	BT-20	BT474	MCF7	MDA-MB-231	SKBR-3	T-47D	
HOTAIR	0.00 (-0.02, 0.02) P=0.97	0.00 (-0.02, 0.02) P=0.10	0.01 (-0.01, 0.03) P=0.20	0.00 (-0.02, 0.02) P=0.99	0.001 (-0.02, 0.02) P=0.93	-0.004 (-0.02, 0.01) P=0.65	0.003 (-0.01, 0.02) P=0.71	0.00 (-0.02, 0.02) P=0.99	0.005 (-0.01, 0.02)	0.00 (-0.02, 0.02) P=0.99	0.001 (-0.014, 0.02)	-0.002 (-0.02, 0.013)	

									P=0.51		P=0.87	P=0.77
TERC	-0.01 (-0.16, 0.14) P=0.90	-0.01 (-0.15, 0.14) P=0.94	0.04 (-0.11, 0.19) P=0.57	0.01 (-0.14, 0.16) P=0.92	0.05 (-0.10, 0.20) P=0.50	0.01 (-0.14, 0.16) P=0.90	0.01 (-0.14, 0.15) P=0.92	0.01 (-0.13, 0.16) P=0.86	0.05 (-0.10, 0.19) P=0.54	0.00 (-0.15, 0.15) P=0.10	0.07 (-0.08, 0.21) P=0.39	0.001 (-0.15, 0.15) P=0.99
MALAT1	-0.24 (-2.49, 2.02) P=0.84	-0.03 (-2.29, 2.22) P=0.98	-0.22 (-2.47, 2.04) P=0.85	-0.19 (-2.44, 2.07) P=0.87	-0.10 (-2.35, 2.16) P=0.93	-0.97 (-3.22, 1.29) P=0.40	-0.19 (-2.45, 2.06) P=0.87	0.03 (-2.22, 2.28) P=0.98	-0.28 (-2.53, 1.97) P=0.81	-0.17 (-2.42, 2.08) P=0.88	-0.03 (-2.28, 2.23) P=0.98	-0.83 (-3.08, 1.43) P=0.47
Linc312	0.00 (-0.04, 0.04) P=0.99	0.00 (-0.04, 0.04) P=0.99	0.02 (-0.02, 0.05) P=0.37	0.00 (-0.04, 0.04) P=0.99	-0.001 (-0.04, 0.04) P=0.95	-0.001 (-0.04, 0.04) P=0.98	0.00 (-0.04, 0.04) P=0.10	0.00 (-0.04, 0.04) P=0.99	0.02 (-0.02, 0.05) P=0.43	-0.001 (-0.04, 0.04) P=0.97	-0.001 (-0.04, 0.04) P=0.95	-0.01 (-0.04, 0.03) P=0.79
CYTOR	0.02 (-0.15, 0.20) P=0.80	0.004 (-0.17, 0.18) P=0.97	0.03 (-0.15, 0.20) P=0.76	0.05 (-0.13, 0.22) P=0.59	0.02 (-0.15, 0.20) P=0.79	-0.001 (-0.18, 0.17) P=0.99	0.01 (-0.16, 0.19) P=0.90	-0.003 (-0.18, 0.17) P=0.97	0.01 (-0.16, 0.19) P=0.89	-0.06 (-0.23, 0.12) P=0.52	0.004 (-0.17, 0.18) P=0.97	-0.004 (-0.18, 0.17) P=0.96
Wspar												
BC4	-0.00 (-0.01, 0.01) P=0.57	0.00 (-0.01, 0.01) P=0.99	0.00 (-0.01, 0.01) P=0.99		0.01 (-0.01, 0.02) P=0.28	-0.00 (-0.01, 0.01) P=0.83	0.01 (-0.00, 0.02) P=0.21	0.00 (-0.01, 0.01) P=0.91	0.00 (-0.01, 0.01) P=0.86		0.01 (-0.01, 0.02) P=0.40	-0.00 (-0.01, 0.01) P=0.91
BCAR4	0.001 (-0.01, 0.01) P=0.89	0.00 (-0.01, 0.01) P=0.98	0.00 (-0.01, 0.01) P=0.98	0.00 (-0.01, 0.01) P=0.98	-0.001 (-0.01, 0.01) P=0.78	-0.004 (-0.01, 0.004) P=0.33	0.001 (-0.01, 0.01) P=0.87	0.00 (-0.01, 0.01) P=1.00	-0.001 (-0.01, 0.01) P=0.85	0.00 (-0.01, 0.01) P=0.95	-0.002 (-0.01, 0.01) P=0.61	-0.003 (-0.01, 0.01) P=0.47
CCAT2			-0.001 (-0.02, 0.02) P=0.90		-0.002 (-0.02, 0.02) P=0.80	0.00 (-0.02, 0.02) P=0.97			0.00 (-0.02, 0.02) P=0.97		-0.002 (-0.02, 0.02) P=0.85	0.00 (-0.02, 0.02) P=0.99

NKILA	0.001 (-0.2, 0.20) P=0.99	0.00 (-0.20, 0.20) P=1.00	0.06 (-0.14, 0.26) P=0.56	0.00 (-0.20, 0.20) P=1.00	0.00 (-0.20, 0.20) P=1.00	-0.003 (-0.21, 0.20) P=0.98	0.001 (-0.20, 0.20) P=0.99	0.00 (-0.20, 0.20) P=1.00	0.15 (-0.05, 0.6) P=5 0.14	0.001 (-0.20, 0.20) P=0.99	-0.002 (-0.21, 0.20) P=0.98	-0.002 (-0.21, 0.20) P=0.98
FTX	0.00 (-0.01, 0.01) P=0.92	-0.001 (-0.01, 0.004) P=0.61	0.001 (-0.004, 0.01) P=0.59	0.00 (-0.01, 0.01) P=0.92	0.00 (-0.01, 0.01) P=0.97	0.001 (-0.004, 0.001) P=0.80	0.00 (-0.01, 0.01) P=0.90	-0.001 (-0.01, 0.004) P=0.71	0.003 (-0.002, 0.01) p 0.321	0.00 (-0.01, 0.01) P=0.89	0.001 (-0.004, 0.01) P=0.66	0.00 (-0.01, 0.01) P=0.99
JPX	0.00 (-0.004, 0.004) P=0.99	-0.001 (-0.01, 0.002) P=0.49	-0.003 (-0.01, 0.001) P=0.15	0.00 (-0.004, 0.003) P=0.90	0.00 (-0.003, 0.004) P=0.80	-0.001 (-0.004, 0.003) P=0.69	0.001 (-0.003, 0.004) P=0.71	0.00 (-0.004, 0.003) P=0.86	-0.004 (-0.01, 0.00) P=0.04	0.00 (-0.004, 0.003) P=0.85	0.00 (-0.003, 0.004) P=0.79	-0.001 (-0.004, 0.003) P=0.74
Ki67	-0.03 (-0.22, 0.16) P=0.74	-0.02 (-0.21, 0.17) P=0.81	-0.12 (-0.31, 0.07) P=0.23	-0.00 (-0.19, 0.19) P=0.98	-0.01 (-0.20, 0.18) P=0.89	0.02 (-0.17, 0.20) P=0.87	0.02 (-0.17, 0.20) P=0.87	-0.02 (-0.21, 0.17) P=0.83	0.06 (-0.13, 0.25) P=0.54	-0.03 (-0.22, 0.16) P=0.77	-0.06 (-0.25, 0.13) P=0.56	-0.01 (-0.2, 0.18) P=0.92
Cycl.D1	-0.04 (-1.09, 1.01) P=0.94	-0.28 (-1.39, 0.78) P=0.61	-0.3 (-1.35, 0.75) P=0.58	0.09 (-0.97, 1.14) P=0.87	-0.01 (-1.06, 1.05) P=0.99	0.10 (-1.16, 0.95) P=0.85	-0.03 (-1.08, 1.02) P=0.96	-0.33 (-1.38, 0.72) P=0.54	0.06 (-0.99, 1.11) P=0.91	0.09 (-0.97, 1.14) P=0.87	-0.01 (-1.06, 1.05) P=0.99	-0.07 (-1.12, 0.98) P=0.9

HOTAIR, HOX transcript antisense RNA; TERC, telomerase RNA component; MALAT-1, metastasis associated lung adenocarcinoma transcript 1; CYTOR, cytoskeleton regulator RNA; WSPAR, WNT signaling pathway activating non-coding RNA; BCAR4, breast cancer antiestrogen resistance 4; CCAT2, colon cancer associated transcript 2 RNA; NKILA, NF- κ B interacting long non-coding RNA.