

TCGAcore ERposHER2neg

ID	logFC	AveExpr	t	P.Value	adj.P.Val	B
ER-ALPHA	-1.47787	2.329392	-13.0975	4.26E-33	3.67E-32	64.22869
E-CADHERIN	-1.22659	-0.46045	-9.3146	6.99E-19	2.41E-18	31.77072
GATA3	-1.16367	2.23077	-15.4116	8.79E-43	1.24E-41	86.40257
RBM15	-1.11316	-0.57786	-21.1748	3.30E-68	5.11E-66	144.68
GAPDH	-1.03379	-1.32903	-10.8059	3.54E-24	1.57E-23	43.84258
PREX1	-0.87698	1.128302	-10.3882	1.20E-22	5.02E-22	40.35281
S6	-0.87419	-0.61792	-17.4398	1.30E-51	3.36E-50	106.6347
FASN	-0.85154	1.017666	-7.77866	5.75E-14	1.44E-13	20.604
CLAUDIN-7	-0.84794	0.223816	-11.7563	8.92E-28	5.18E-27	52.06148
BETA-CATENIN	-0.8032	-0.5338	-10.3218	2.08E-22	8.49E-22	39.80568
B-RAF	-0.7698	-0.08868	-13.1798	1.97E-33	1.91E-32	64.99487
CYCLIN_B1	-0.74978	-0.79457	-10.1311	1.01E-21	4.00E-21	38.24524
ER-ALPHA_PS118	-0.64994	0.246366	-12.3023	6.54E-30	4.83E-29	56.94143
ACC1	-0.64121	0.278692	-8.80308	3.53E-17	1.16E-16	27.89668
53BP1	-0.63321	-0.16657	-13.3574	3.72E-34	3.84E-33	66.6526
MSH6	-0.62993	-0.4227	-16.1656	4.89E-46	9.48E-45	93.85875
HER2	-0.60618	0.111709	-11.3332	3.73E-26	1.81E-25	48.3577
TRFC	-0.58968	-1.15924	-6.78674	3.93E-11	8.97E-11	14.19466
VEGFR2	-0.57769	0.523007	-11.9829	1.18E-28	7.59E-28	54.07375
P62-LCK-LIGAND	-0.57655	0.029411	-9.41055	3.30E-19	1.17E-18	32.51356
ACETYL-A-TUBULIN-LYS40	-0.57415	-0.49149	-7.40857	7.09E-13	1.74E-12	18.13382
ADAR1	-0.55347	-0.02536	-17.4412	1.28E-51	3.36E-50	106.6482
P70S6K	-0.55154	-0.00547	-11.4446	1.41E-26	7.51E-26	49.32632
EIF4G	-0.52184	-0.20169	-15.7917	2.03E-44	3.50E-43	90.15058
KU80	-0.50507	-0.24581	-14.2234	9.63E-38	1.24E-36	74.86112
INPP4B	-0.48913	1.53784	-4.59577	5.71E-06	9.32E-06	2.646967
AR	-0.48004	1.191528	-6.3741	4.86E-10	1.02E-09	11.73375
SYK	-0.44969	-0.50943	-6.63805	9.86E-11	2.15E-10	13.29348
RB_PS807_S811	-0.44786	-0.28808	-7.99003	1.32E-14	3.71E-14	22.05515
ACC_PS79	-0.42803	0.31349	-5.87563	8.59E-09	1.64E-08	8.931756
BAP1-C-4	-0.4199	-0.183	-16.4264	3.59E-47	7.95E-46	96.45806
TUBERIN	-0.4187	-0.01025	-11.6373	2.57E-27	1.42E-26	51.01316
CHK2	-0.40412	-0.30038	-11.3633	2.87E-26	1.43E-25	48.61902
RAB-25	-0.40278	0.35453	-6.92846	1.61E-11	3.78E-11	15.06846
EEF2K	-0.4012	0.15602	-7.98511	1.36E-14	3.77E-14	22.02104
DVL3	-0.3816	-0.15222	-11.7551	9.02E-28	5.18E-27	52.05095
BIM	-0.35006	0.460216	-6.48228	2.54E-10	5.40E-10	12.36674
NF2	-0.34381	-0.36505	-10.7043	8.40E-24	3.62E-23	42.9865
AKT	-0.3373	0.057082	-7.91422	2.24E-14	5.99E-14	21.53133
4E-BP1	-0.33522	-0.05301	-5.43388	9.37E-08	1.67E-07	6.610911

PTEN	-0.32431	0.122358	-7.01587	9.23E-12	2.20E-11	15.61453
GSK3-ALPHA-BETA_PS21_S9	-0.32322	0.00609	-4.54806	7.10E-06	1.13E-05	2.439189
MSH2	-0.322	-0.18713	-9.9869	3.27E-21	1.24E-20	37.07729
ATM	-0.31369	-0.03282	-5.1106	4.89E-07	8.42E-07	5.012476
MYOSIN-IIA_PS1943	-0.31205	0.006008	-8.28904	1.56E-15	4.57E-15	24.15645
GSK3-ALPHA-BETA	-0.30386	-0.13312	-13.435	1.79E-34	1.98E-33	67.38074
PDK1_PS241	-0.30241	0.24186	-8.61381	1.45E-16	4.49E-16	26.50118
IGFBP2	-0.28285	0.41569	-3.28776	0.001095	0.001502	-2.32056
ASNS	-0.2736	-0.33848	-5.45483	8.39E-08	1.51E-07	6.717439
GAB2	-0.26298	0.061111	-4.37603	1.53E-05	2.39E-05	1.706313
STAT5-ALPHA	-0.25683	0.304556	-3.97853	8.17E-05	0.000121	0.112145
GSK3_PS9	-0.24689	-0.07431	-3.48122	0.000552	0.000777	-1.68316
PDCD4	-0.23963	0.075524	-2.98247	0.003026	0.003942	-3.25584
PKC-PAN_BETAI_PS660	-0.23882	-0.20997	-5.65029	2.96E-08	5.53E-08	7.728444
SCD1	-0.23231	-0.07492	-4.8483	1.76E-06	2.96E-06	3.779261
CIAP	-0.22978	-0.01572	-10.0228	2.44E-21	9.47E-21	37.36696
RAPTOR	-0.22678	0.090651	-7.82377	4.21E-14	1.09E-13	20.91126
AMPK_PT172	-0.22112	0.067264	-3.88036	0.000121	0.000177	-0.25992
JNK2	-0.1918	0.260089	-4.8349	1.87E-06	3.12E-06	3.717815
P90RSK	-0.17123	-0.02239	-5.5394	5.37E-08	9.79E-08	7.151114
YB-1	-0.15674	-0.08013	-4.86618	1.61E-06	2.75E-06	3.861462
PRDX1	-0.15284	0.053405	-4.59832	5.65E-06	9.31E-06	2.658134
XRCC1	-0.15194	0.032348	-5.88091	8.34E-09	1.62E-08	8.960412
CHK1_PS345	-0.13479	-0.15713	-5.28381	2.04E-07	3.59E-07	5.85825
14-3-3_ZETA	-0.133	0.042917	-3.03518	0.002554	0.003383	-3.1006
CYCLIN_E1	-0.13252	-0.78091	-2.93127	0.00356	0.004599	-3.40417
BCL-2	-0.12934	0.839701	-2.10084	0.036251	0.042568	-5.46201
4E-BP1_PS65	-0.1208	-0.29849	-3.7669	0.000189	0.000269	-0.6792
P53	-0.11471	-0.1637	-2.16332	0.031081	0.036775	-5.33021
FOXM1	-0.11273	-0.20133	-2.69245	0.007377	0.009372	-4.06335
HER3	-0.10798	0.334981	-2.00923	0.045153	0.052622	-5.64842
BAD_PS112	-0.10361	-0.01811	-4.01815	6.95E-05	0.000104	0.264765
NF-KB-P65_PS536	-0.10075	0.223391	-1.38628	0.166399	0.186898	-6.69878
ERK2	-0.09994	-0.25679	-2.67545	0.007755	0.009773	-4.10822
PI3K-P110-ALPHA	-0.09847	0.13909	-3.87726	0.000123	0.000178	-0.27155
MTOR_PS2448	-0.09469	0.036535	-4.03639	6.45E-05	9.71E-05	0.335504
AMPK_ALPHA	-0.09374	-0.16088	-2.41009	0.016378	0.019528	-4.77279
P38_MAPK	-0.08331	0.180511	-2.99286	0.002927	0.003845	-3.22544
PKC-DELTA_PS664	-0.08118	-0.07202	-3.84021	0.000142	0.000204	-0.40963
TSC1	-0.07934	-0.11993	-2.41604	0.016117	0.019365	-4.75864
PI3K-P85	-0.07847	0.040492	-2.4215	0.01588	0.01923	-4.74561
SMAD1	-0.06572	0.038361	-2.80498	0.005266	0.006746	-3.75948

S6_PS235_S236	-0.05429	-0.15885	-0.78231	0.434474	0.479969	-7.3518
PCNA	-0.05184	-0.15183	-1.71536	0.087018	0.09991	-6.19128
BECLIN	-0.05104	0.064736	-1.69735	0.090373	0.102999	-6.22181
A-RAF_PS299	-0.04832	0.102205	-2.43931	0.015129	0.018465	-4.70291
S6_PS240_S244	-0.04622	-0.15324	-0.62193	0.534324	0.571173	-7.4643
EIF4E	-0.04138	0.014772	-1.72095	0.085998	0.099476	-6.18175
CHK2_PT68	-0.03468	-0.01061	-0.96827	0.333469	0.371854	-7.18931
PDK1	-0.03307	0.224945	-1.45213	0.147213	0.166555	-6.60575
CYCLIN_E2	-0.03038	-0.24618	-0.73099	0.465194	0.50073	-7.39059
G6PD	-0.02505	-0.08998	-0.76572	0.444275	0.484948	-7.36463
PR	-0.01644	0.207545	-0.50167	0.616161	0.645304	-7.53182
PRAS40_PT246	-0.01436	-0.09297	-0.58079	0.561697	0.595325	-7.48902
4E-BP1_PT37T46	-0.01132	-0.03487	-0.15089	0.880133	0.885848	-7.64626
IRS1	-0.01005	0.349928	-0.25854	0.796118	0.817208	-7.62422
PAXILLIN	-0.00674	-0.16124	-0.17603	0.860356	0.871602	-7.64215
TRANSGLUTAMINASE	-0.00097	-0.47818	-0.03133	0.975018	0.975018	-7.65715
HER2_PY1248	0.00948	0.213772	0.248714	0.803703	0.819566	-7.62671
BAX	0.009946	-0.18604	0.281138	0.778743	0.804701	-7.61812
CD49B	0.016125	0.05436	0.475514	0.634668	0.660226	-7.5446
SRC	0.027465	-0.09195	0.739673	0.459912	0.498506	-7.38421
SRC_PY416	0.02836	-0.09137	0.576482	0.564599	0.595325	-7.49151
CASPASE-7_CLEAVEDD198	0.046121	-0.48931	0.778663	0.436617	0.479969	-7.35465
ANNEXIN_VII	0.049207	0.164025	2.479984	0.013531	0.016778	-4.60428
P27_PT157	0.06692	0.056068	3.404273	0.000727	0.001016	-1.94081
FOXO3A_PS318_S321	0.079899	0.091018	4.511026	8.39E-06	1.33E-05	2.279241
C-JUN_PS73	0.082614	0.076393	3.223622	0.001365	0.001839	-2.52427
P27	0.092287	0.261935	2.627799	0.008909	0.011137	-4.23251
DJ-1	0.104936	0.212465	2.462851	0.014185	0.017449	-4.64602
P90RSK_PT359_S363	0.120697	0.090725	4.205641	3.19E-05	4.89E-05	1.005897
JNK_PT183_Y185	0.129319	0.239133	4.32501	1.91E-05	2.96E-05	1.493915
LKB1	0.133883	0.064678	6.786479	3.93E-11	8.97E-11	14.19304
CD31	0.136101	0.07787	4.578699	6.18E-06	9.97E-06	2.57239
XBP1	0.145029	0.103234	3.193538	0.001511	0.00202	-2.61849
FOXO3A	0.145864	0.106185	6.091249	2.54E-09	5.17E-09	10.12038
HEREGULIN	0.149827	0.011844	6.304845	7.32E-10	1.51E-09	11.3331
C-RAF_PS338	0.160917	-0.04441	7.878293	2.88E-14	7.57E-14	21.28441
SMAD4	0.168606	-0.01695	8.302068	1.42E-15	4.32E-15	24.24926
YB-1_PS102	0.169882	-0.10752	8.031364	9.84E-15	2.83E-14	22.34224
P38_PT180_Y182	0.179955	0.059588	3.25958	0.001207	0.001641	-2.41054
PEA-15	0.185421	0.066964	5.208103	3.00E-07	5.22E-07	5.485524
ACVRL1	0.19428	0.130013	8.7603	4.86E-17	1.57E-16	27.57943
PAI-1	0.195978	0.300027	3.342767	0.000904	0.001251	-2.14284

MEK1	0.206621	0.262611	5.938091	6.06E-09	1.19E-08	9.272348
MRE11	0.210467	0.166756	8.295591	1.49E-15	4.44E-15	24.2031
NOTCH1	0.219709	-0.03028	9.130268	2.92E-18	9.84E-18	30.35779
RICTOR	0.233417	-0.02818	4.089302	5.19E-05	7.88E-05	0.542354
RICTOR_PT1135	0.235803	0.238993	6.016484	3.89E-09	7.73E-09	9.704136
N-RAS	0.24384	0.10294	9.796257	1.53E-20	5.66E-20	35.54878
PKC-ALPHA	0.278774	-0.50222	8.708439	7.17E-17	2.27E-16	27.19626
EGFR	0.317402	-0.31204	11.38629	2.34E-26	1.21E-25	48.81838
MEK1_PS217_S221	0.31852	0.209891	6.686524	7.32E-11	1.64E-10	13.58549
EGFR_PY1068	0.330018	0.128377	6.527145	1.94E-10	4.17E-10	12.63182
PKC-ALPHA_PS657	0.335489	-0.34686	11.79481	6.33E-28	3.92E-27	52.40237
LCK	0.345618	-0.07552	7.971778	1.50E-14	4.07E-14	21.92867
FIBRONECTIN	0.36569	0.785256	5.745123	1.77E-08	3.34E-08	8.229944
P70S6K_PT389	0.367181	0.136735	9.409466	3.33E-19	1.17E-18	32.50512
STATHMIN	0.383388	0.078961	12.23947	1.16E-29	8.16E-29	56.37461
BID	0.391576	0.107778	13.99049	9.04E-37	1.08E-35	72.63482
YAP_PS127	0.418742	-0.15184	7.820426	4.31E-14	1.09E-13	20.88843
NDRG1_PT346	0.425209	0.096139	6.67692	7.76E-11	1.72E-10	13.52749
AKT_PT308	0.428396	-0.26846	6.077756	2.74E-09	5.52E-09	10.04494
N-CADHERIN	0.459833	-0.01697	12.90719	2.51E-32	2.05E-31	62.46687
STAT3_PY705	0.466684	0.219456	11.30641	4.72E-26	2.22E-25	48.12522
AKT_PS473	0.469097	-0.18021	5.626251	3.37E-08	6.22E-08	7.602438
MAPK_PT202_Y204	0.537135	0.651044	7.391385	7.95E-13	1.93E-12	18.02136
C-KIT	0.584921	0.349847	10.85862	2.26E-24	1.03E-23	44.28888
RAB11	0.589801	0.331725	18.0575	2.44E-54	1.26E-52	112.8851
SRC_PY527	0.695323	0.200456	12.38322	3.13E-30	2.42E-29	57.6737
ANNEXIN-1	0.83727	-0.23586	15.64956	8.34E-44	1.29E-42	88.74571
HSP70	1.038068	0.524897	13.13263	3.07E-33	2.80E-32	64.55555
COLLAGEN_VI	1.397229	0.964249	20.02665	4.31E-63	3.34E-61	132.9497
CAVEOLIN-1	1.40624	0.241094	17.74688	5.76E-53	2.23E-51	109.738
MYH11	1.54127	0.464146	12.08208	4.81E-29	3.24E-28	54.96051

TCGA ERposHER2neg IDC

Protein	logFC	AveExpr	t	P.Value	adj.P.Val	B
ER-ALPHA	-1.246	2.3384	-7.624	2.98E-13	1.36E-12	19.3013
RBM15	-1.0449	-0.4532	-14.928	2.11E-38	3.28E-36	76.555
GATA3	-1.0446	2.27427	-9.7867	6.69E-20	6.48E-19	34.3819
GAPDH	-1.0169	-1.2124	-8.1547	8.62E-15	5.14E-14	22.7843
E-CADHERIN	-0.9745	0.01129	-8.3528	2.21E-15	1.37E-14	24.1234
S6	-0.8511	-0.536	-12.949	5.46E-31	2.11E-29	59.6421
PREX1	-0.8199	1.21816	-6.893	3.03E-11	1.12E-10	14.7717
FASN	-0.768	1.08277	-5.3762	1.49E-07	3.79E-07	6.49413
BETA-CATENIN	-0.7337	-0.2796	-9.4229	1.02E-18	7.54E-18	31.6914
CLAUDIN-7	-0.7205	0.29833	-7.2937	2.50E-12	1.02E-11	17.2141
CYCLIN_B1	-0.7035	-0.7161	-6.9835	1.74E-11	6.58E-11	15.3146
B-RAF	-0.6511	-0.0081	-8.059	1.65E-14	9.14E-14	22.1443
53BP1	-0.5992	-0.1254	-9.5517	3.92E-19	3.37E-18	32.6375
MSH6	-0.5966	-0.3542	-10.596	1.30E-22	1.68E-21	40.5511
HER2	-0.5874	0.14946	-7.8665	6.02E-14	3.11E-13	20.8732
ACETYL-A-TUBULIN-LYS40	-0.5828	-0.45	-5.4549	9.98E-08	2.58E-07	6.88322
ER-ALPHA_PS118	-0.5719	0.26184	-7.8604	6.27E-14	3.14E-13	20.833
ACC1	-0.5646	0.31981	-6.0123	5.10E-09	1.47E-08	9.76892
KU80	-0.5631	-0.2423	-12.312	1.16E-28	3.59E-27	54.3367
P62-LCK-LIGAND	-0.5619	0.0997	-6.6675	1.18E-10	3.98E-10	13.4417
TRFC	-0.5278	-1.0239	-4.5964	6.25E-06	1.40E-05	2.8996
INPP4B	-0.5104	1.54846	-3.5304	0.00048	0.00078	-1.2049
ADAR1	-0.5081	0.00671	-11.527	7.52E-26	1.46E-24	47.9247
RAB-25	-0.4946	0.326	-6.8573	3.77E-11	1.33E-10	14.5587
P70S6K	-0.4873	0.05868	-7.5494	4.85E-13	2.15E-12	18.824
VEGFR2	-0.4849	0.58382	-7.5039	6.51E-13	2.80E-12	18.5347
TUBERIN	-0.4585	0.00353	-9.411	1.12E-18	7.86E-18	31.6043
EIF4G	-0.4334	-0.1392	-9.6201	2.35E-19	2.14E-18	33.1427
RB_PS807_S811	-0.4282	-0.2729	-5.6061	4.56E-08	1.24E-07	7.64335
ACC_PS79	-0.4269	0.29751	-4.352	1.83E-05	3.89E-05	1.87368
AR	-0.4137	1.15674	-3.9629	9.18E-05	0.00017	0.34321
AKT	-0.3933	0.07297	-6.7893	5.69E-11	1.96E-10	14.156
CHK2	-0.3897	-0.2927	-7.9407	3.66E-14	1.96E-13	21.3611
MSH2	-0.387	-0.1816	-9.4312	9.60E-19	7.44E-18	31.7525
BAP1-C-4	-0.3861	-0.143	-10.996	5.44E-24	7.66E-23	43.6897
EEF2K	-0.3704	0.18135	-5.5606	5.78E-08	1.54E-07	7.41297
SYK	-0.3546	-0.3992	-4.068	6.01E-05	0.00012	0.74391
PDCD4	-0.349	0.03953	-3.4036	0.00075	0.00121	-1.6276
DVL3	-0.3352	-0.0654	-8.5513	5.54E-16	3.73E-15	25.4854
ATM	-0.3235	-0.0299	-4.0008	7.89E-05	0.00015	0.48679

4E-BP1	-0.3172	-0.0098	-3.7981	0.00018	0.00031	-0.266
GSK3-ALPHA-BETA	-0.3155	-0.1054	-11.753	1.18E-26	3.05E-25	49.7586
STAT5-ALPHA	-0.3102	0.31693	-3.5518	0.00044	0.00074	-1.1323
NF2	-0.2868	-0.3292	-6.5395	2.52E-10	8.31E-10	12.7012
ASNS	-0.2862	-0.3017	-4.0054	7.74E-05	0.00015	0.50436
BIM	-0.2844	0.48411	-3.9533	9.54E-05	0.00018	0.30711
AMPK_PT172	-0.2779	0.0635	-3.6884	0.00027	0.00046	-0.6584
PDK1_PS241	-0.275	0.25979	-5.8674	1.13E-08	3.18E-08	8.99707
MYOSIN-IIA_PS1943	-0.2541	0.08573	-5.7528	2.09E-08	5.80E-08	8.39727
GAB2	-0.2534	0.07591	-3.1731	0.00166	0.00262	-2.3593
PKC-PAN_BETAI_PS660	-0.2519	-0.1942	-4.3585	1.78E-05	3.83E-05	1.90038
GSK3-ALPHA-BETA_PS21_S9	-0.2392	0.04352	-2.4872	0.0134	0.01854	-4.2488
PTEN	-0.2341	0.1896	-4.1177	4.90E-05	9.87E-05	0.93684
SCD1	-0.2339	-0.0637	-3.7426	0.00022	0.00038	-0.4658
CIAP	-0.2311	-0.0059	-7.7309	1.48E-13	6.95E-13	19.9899
RAPTOR	-0.2287	0.11811	-6.096	3.21E-09	9.56E-09	10.2215
GSK3_PS9	-0.2245	-0.0341	-2.3326	0.0203	0.0276	-4.6139
P90RSK	-0.2076	-0.0377	-5.5001	7.91E-08	2.08E-07	7.10863
ERK2	-0.1883	-0.2747	-3.8011	0.00017	0.00031	-0.2549
TSC1	-0.1721	-0.1037	-4.2084	3.37E-05	6.96E-05	1.29415
JNK2	-0.1659	0.25416	-2.9877	0.00303	0.00466	-2.9127
XRCC1	-0.163	0.03051	-4.6829	4.22E-06	9.63E-06	3.27472
FOXO3A	-0.1486	-0.2066	-2.6307	0.00894	0.01273	-3.8894
AMPK_ALPHA	-0.1381	-0.1862	-2.6654	0.00809	0.01172	-3.7998
PRDX1	-0.1269	0.08102	-2.8575	0.00456	0.00679	-3.2826
PI3K-P110-ALPHA	-0.1166	0.15441	-3.5416	0.00046	0.00076	-1.167
YB-1	-0.1051	-0.0221	-2.5963	0.00987	0.01391	-3.9773
PI3K-P85	-0.0873	0.04306	-2.0569	0.04052	0.05368	-5.209
BAD_PS112	-0.0852	0.00922	-2.5865	0.01015	0.01417	-4.0023
P38_MAPK	-0.0842	0.17976	-2.3192	0.02103	0.02834	-4.6445
MTOR_PS2448	-0.084	0.06681	-2.7705	0.00593	0.00876	-3.5211
PKC-DELTA_PS664	-0.0646	-0.0668	-2.4309	0.01562	0.02143	-4.3842
A-RAF_PS299	-0.0514	0.11168	-2.0469	0.0415	0.05452	-5.2292
FOXO3A_PS318_S321	0.06835	0.0821	2.8928	0.00409	0.00615	-3.1838
ANNEXIN_VII	0.07451	0.14639	2.72693	0.00675	0.00988	-3.6378
LKB1	0.09517	0.04582	3.97714	8.67E-05	0.00016	0.39706
XBP1	0.10659	0.06737	2.63031	0.00895	0.01273	-3.8905
HEREGULIN	0.10957	-0.0043	3.93463	0.0001	0.00019	0.23716
YB-1_PS102	0.11747	-0.1138	4.40271	1.47E-05	3.21E-05	2.08257
FOXO3A	0.12973	0.07687	4.51225	9.10E-06	2.01E-05	2.54091
CD31	0.13641	0.08273	3.57721	0.0004	0.00068	-1.0453
PEA-15	0.14428	0.03995	2.98976	0.00301	0.00466	-2.9067

C-RAF_PS338	0.15519	-0.0564	6.42739	4.85E-10	1.50E-09	12.0618
ACVRL1	0.15575	0.1039	5.36957	1.54E-07	3.86E-07	6.46152
PAI-1	0.16982	0.29665	2.13463	0.03357	0.04486	-5.0486
SMAD4	0.17588	-0.0425	6.85768	3.76E-11	1.33E-10	14.5611
MEK1_PS217_S221	0.17654	0.17151	2.98107	0.0031	0.00471	-2.9319
MRE11	0.18586	0.13866	6.05585	4.01E-09	1.17E-08	10.0039
RICTOR_PT1135	0.20207	0.19342	5.04873	7.57E-07	1.81E-06	4.92642
NOTCH1	0.20599	-0.0539	6.36663	6.90E-10	2.10E-09	11.7188
PKC-ALPHA	0.21649	-0.5055	5.12579	5.21E-07	1.26E-06	5.28787
MEK1	0.22048	0.25537	5.01995	8.70E-07	2.04E-06	4.79267
N-RAS	0.22759	0.07413	7.46455	8.39E-13	3.52E-12	18.2857
RICTOR	0.22988	-0.0462	3.06241	0.00239	0.00374	-2.6934
P38_PT180_Y182	0.23017	0.07086	3.19067	0.00156	0.0025	-2.3051
PKC-ALPHA_PS657	0.25943	-0.3613	6.5134	2.94E-10	9.49E-10	12.5516
EGFR_PY1068	0.28366	0.07777	4.27806	2.51E-05	5.26E-05	1.57308
EGFR	0.31288	-0.3407	10.1223	5.17E-21	5.72E-20	36.9109
YAP_PS127	0.33772	-0.1903	4.85345	1.92E-06	4.44E-06	4.03141
FIBRONECTIN	0.34293	0.8504	3.94427	9.89E-05	0.00018	0.27329
STATHMIN	0.35739	0.03092	9.48362	6.50E-19	5.31E-18	32.1366
STAT3_PY705	0.36239	0.16466	7.11382	7.76E-12	3.08E-11	16.1055
P70S6K_PT389	0.36861	0.10684	7.76225	1.20E-13	5.82E-13	20.1933
LCK	0.36995	-0.0819	6.46089	3.99E-10	1.26E-09	12.252
AKT_PT308	0.38861	-0.3303	4.13717	4.53E-05	9.23E-05	1.01293
AKT_PS473	0.39748	-0.2386	3.58006	0.0004	0.00068	-1.0355
MAPK_PT202_Y204	0.40238	0.6254	4.10632	5.14E-05	0.0001	0.8925
BID	0.40515	0.076	11.4343	1.60E-25	2.75E-24	47.1799
NDRG1_PT346	0.46828	0.09135	5.36233	1.60E-07	3.94E-07	6.42602
N-CADHERIN	0.47017	-0.0374	10.0564	8.57E-21	8.86E-20	36.4108
C-KIT	0.5435	0.31985	7.10118	8.40E-12	3.25E-11	16.0284
RAB11	0.56888	0.27885	13.1899	7.07E-32	3.65E-30	61.6669
SRC_PY527	0.62369	0.17237	8.06445	1.59E-14	9.14E-14	22.1808
ANNEXIN-1	0.70205	-0.2737	10.1553	4.01E-21	4.78E-20	37.1619
CAVEOLIN-1	1.1772	0.09031	11.1906	1.14E-24	1.77E-23	45.2305
HSP70	1.18419	0.49571	11.539	6.81E-26	1.46E-24	48.0229
COLLAGEN_VI	1.37184	0.87111	14.1157	2.48E-35	1.92E-33	69.5491
MYH11	1.47034	0.43778	8.44588	1.16E-15	7.47E-15	24.7595

TCGA ERposHER2neg ILC

Protein	logFC	AveExpr	t	P.Value	adj.P.Val	B
ER-ALPHA	-1.34594	1.90153	-6.36242	5.45E-09	6.50E-08	10.1921
GATA3	-1.01189	1.87335	-7.34376	4.86E-11	1.88E-09	14.7854
GAPDH	-0.83429	-1.67302	-4.39739	2.66E-05	0.00011	2.01041
RBM15	-0.82081	-1.04267	-7.17289	1.12E-10	3.48E-09	13.969
CYCLIN_B1	-0.73492	-0.99933	-6.06359	2.18E-08	2.11E-07	8.84721
B-RAF	-0.67258	-0.40525	-6.48724	3.03E-09	3.91E-08	10.7622
AR	-0.62448	1.21435	-5.61118	1.68E-07	1.24E-06	6.87069
ACETYL-A-TUBULIN-LYS40	-0.60411	-0.70694	-4.13202	7.30E-05	0.00027	1.05128
FASN	-0.58266	0.60153	-2.69901	0.00812	0.01573	-3.31756
ACC1	-0.58258	0.02336	-3.75904	0.00028	0.00083	-0.22343
S6	-0.54067	-0.92084	-4.95894	2.78E-06	1.43E-05	4.16959
HER2	-0.50993	-0.07688	-5.71381	1.06E-07	8.68E-07	7.31227
53BP1	-0.48061	-0.37568	-5.10085	1.53E-06	8.19E-06	4.74077
MSH6	-0.47706	-0.66527	-7.88609	3.29E-12	2.55E-10	17.4126
VEGFR2	-0.46312	0.26407	-5.46614	3.18E-07	2.24E-06	6.25388
TRFC	-0.45791	-1.5136	-3.18333	0.00192	0.00461	-2.00706
EIF4G	-0.45554	-0.43292	-6.70682	1.07E-09	1.66E-08	11.776
PREX1	-0.45181	0.76443	-3.86185	0.0002	0.00061	0.11901
ADAR1	-0.44755	-0.18987	-6.99426	2.68E-10	6.92E-09	13.1224
CLAUDIN-7	-0.44476	-0.2197	-3.76637	0.00028	0.00083	-0.19927
P62-LCK-LIGAND	-0.44433	-0.17604	-4.40327	2.60E-05	0.00011	2.03212
ER-ALPHA_PS118	-0.44102	0.01334	-5.35924	5.07E-07	3.27E-06	5.80496
P70S6K	-0.43455	-0.25298	-5.3309	5.73E-07	3.42E-06	5.68678
RAB-25	-0.42559	0.43233	-3.51944	0.00064	0.00169	-0.99406
RB_PS807_S811	-0.41684	-0.41132	-4.4184	2.45E-05	0.00011	2.08807
GSK3-ALPHA-BETA_PS21_S9	-0.39547	-0.09347	-3.48007	0.00073	0.00187	-1.11689
CHK2	-0.39118	-0.33383	-6.26102	8.75E-09	9.69E-08	9.73252
EEF2K	-0.38942	0.04316	-4.36159	3.05E-05	0.00012	1.87858
SYK	-0.37205	-0.70102	-2.71749	0.00771	0.01552	-3.27093
KU80	-0.36178	-0.30012	-4.86439	4.10E-06	1.99E-05	3.79449
PTEN	-0.35775	-0.06919	-4.00464	0.00012	0.00039	0.606
TUBERIN	-0.34508	-0.07704	-5.34644	5.36E-07	3.32E-06	5.75156
BAP1-C-4	-0.32763	-0.34282	-6.18653	1.24E-08	1.28E-07	9.39695
ACC_PS79	-0.32513	0.19468	-2.48	0.01475	0.02689	-3.84879
BIM	-0.32464	0.35357	-3.5715	0.00054	0.00147	-0.82994
JNK2	-0.2862	0.24804	-4.52844	1.59E-05	7.25E-05	2.49909
PDK1_PS241	-0.2834	0.17806	-4.1114	7.88E-05	0.00028	0.97851
DVL3	-0.28093	-0.40597	-4.12998	7.35E-05	0.00027	1.04409
MYOSIN-IIA_PS1943	-0.27645	-0.22315	-3.18132	0.00193	0.00461	-2.01287
NF2	-0.26517	-0.52486	-5.2779	7.20E-07	4.13E-06	5.46671
HER3	-0.25026	0.24728	-2.20683	0.02953	0.05143	-4.45513
GSK3-ALPHA-BETA	-0.2282	-0.2116	-4.10694	8.01E-05	0.00028	0.96281
AKT	-0.19992	-0.03421	-2.59461	0.01084	0.02074	-3.5757
P38_MAPK	-0.1932	0.2412	-3.48524	0.00072	0.00186	-1.10083

CHK1_PS345	-0.18662	-0.28962	-3.39018	0.00099	0.00247	-1.39326
PRDX1	-0.16402	0.00209	-2.7079	0.00792	0.01573	-3.29515
RAPTOR	-0.16361	0.00662	-2.96885	0.00371	0.00846	-2.60987
CIAP	-0.1506	-0.09018	-3.18722	0.0019	0.00461	-1.99582
SMAD4	0.11468	0.05129	2.48824	0.01443	0.02662	-3.82953
P27_PT157	0.13114	0.0869	2.75484	0.00694	0.01433	-3.17587
PEA-15	0.13741	0.2013	2.36203	0.02004	0.0357	-4.11843
C-RAF_PS338	0.146	-0.00632	2.76618	0.00672	0.01407	-3.1468
HEREGULIN	0.15064	0.04012	2.88108	0.00482	0.01066	-2.84636
LKB1	0.16501	0.12122	3.68001	0.00037	0.00107	-0.48192
NOTCH1	0.16629	0.06295	3.63327	0.00044	0.00123	-0.63282
CD31	0.16955	0.05963	2.55823	0.01196	0.02261	-3.66356
P90RSK_PT359_S363	0.17102	0.15993	2.87157	0.00495	0.01066	-2.87162
P27	0.18012	0.31506	2.93073	0.00416	0.00934	-2.7133
ACVRL1	0.18139	0.2133	4.05559	9.69E-05	0.00033	0.7829
MEK1	0.19865	0.29938	2.77324	0.00658	0.01397	-3.12863
N-RAS	0.19956	0.18664	3.58511	0.00052	0.00143	-0.78676
PAI-1	0.2039	0.36818	2.26843	0.02537	0.04469	-4.32397
PKC-ALPHA	0.21881	-0.35765	2.72952	0.00745	0.0152	-3.24044
LCK	0.21953	0.12131	2.70029	0.00809	0.01573	-3.31433
MRE11	0.23386	0.23945	3.76428	0.00028	0.00083	-0.20616
EGFR	0.23769	-0.21075	4.50186	1.77E-05	7.82E-05	2.39918
YB-1_PS102	0.2429	-0.08337	5.20321	9.92E-07	5.49E-06	5.1587
EGFR_PY1068	0.24466	0.24214	3.09186	0.00255	0.006	-2.26842
P70S6K_PT389	0.26535	0.21416	2.87444	0.00491	0.01066	-2.86399
RICTOR	0.27153	-0.00822	2.41399	0.01753	0.03159	-4.00111
NDRG1_PT346	0.2807	0.1716	2.52739	0.013	0.02428	-3.7372
STATHMIN	0.33115	0.24824	4.28683	4.07E-05	0.00016	1.60574
BID	0.33577	0.20028	5.97732	3.24E-08	2.79E-07	8.46449
PKC-ALPHA_PS657	0.33769	-0.21073	6.89373	4.36E-10	8.44E-09	12.6491
FIBRONECTIN	0.35281	0.70898	3.06821	0.00275	0.00636	-2.33495
N-CADHERIN	0.36373	0.08806	4.81606	5.00E-06	2.35E-05	3.60448
MEK1_PS217_S221	0.37344	0.377	3.52927	0.00062	0.00166	-0.96319
YAP_PS127	0.38129	0.01222	3.949	0.00014	0.00045	0.41469
STAT3_PY705	0.45115	0.3963	4.94413	2.95E-06	1.48E-05	4.1105
RAB11	0.47744	0.51858	6.9327	3.61E-10	7.99E-09	12.8323
C-KIT	0.51699	0.52364	6.5649	2.10E-09	2.96E-08	11.1192
MAPK_PT202_Y204	0.54232	0.75809	4.18891	5.90E-05	0.00022	1.25337
SRC_PY527	0.58031	0.38742	6.00135	2.90E-08	2.64E-07	8.57084
ANNEXIN-1	0.77681	0.07426	7.62797	1.19E-11	6.16E-10	16.1559
E-CADHERIN	0.77939	-2.25052	3.94897	0.00014	0.00045	0.41461
HSP70	0.81707	0.60344	5.36677	4.91E-07	3.27E-06	5.83641
CAVEOLIN-1	1.15766	0.83832	6.86155	5.09E-10	8.76E-09	12.4982
COLLAGEN_VI	1.23452	1.36855	9.28418	2.71E-15	4.20E-13	24.3531
MYH11	1.33694	0.73535	5.615	1.65E-07	1.24E-06	6.88705

MDA ERposHER2neg

ID	logFC	AveExpr	t	P.Value	adj.P.Val	B
ER-ALPHA	-1.70232	1.635269	-6.08426	7.26E-08	3.13E-07	7.760304
GAPDH	-1.61232	-1.85803	-5.65301	3.93E-07	1.35E-06	6.116052
PREX1	-1.5145	0.911309	-6.5567	1.11E-08	5.92E-08	9.595865
GATA3	-1.46363	1.740463	-9.14899	3.11E-13	1.26E-11	19.8647
E-CADHERIN	-1.35675	-0.39395	-5.91397	1.42E-07	5.50E-07	7.106895
53BP1	-1.35224	-0.97345	-9.13754	3.25E-13	1.26E-11	19.81967
FASN	-1.25973	0.926121	-4.50797	2.85E-05	6.40E-05	1.976112
S6	-1.16625	-0.56191	-8.69272	1.95E-12	3.77E-11	18.0644
RBM15	-1.1424	-0.91323	-9.78658	2.45E-14	3.79E-12	22.35575
AR	-1.10828	0.742751	-6.79288	4.29E-09	2.56E-08	10.52335
RAB-25	-1.01517	0.42674	-6.70923	6.00E-09	3.45E-08	10.19422
ACC1	-1.01249	-0.09674	-5.02256	4.35E-06	1.07E-05	3.787781
BETA-CATENIN	-0.96203	-0.83705	-7.1322	1.09E-09	9.38E-09	11.86389
CLAUDIN-7	-0.86047	0.002828	-5.02817	4.25E-06	1.06E-05	3.808021
HER2	-0.77562	-0.39377	-6.88703	2.93E-09	1.89E-08	10.89447
P62-LCK-LIGAND	-0.77528	-0.4322	-5.88726	1.58E-07	5.96E-07	7.004847
TRFC	-0.75219	-1.51135	-3.93343	0.000209	0.000394	0.076323
SYK	-0.7428	-1.32419	-3.91807	0.00022	0.000405	0.027582
ATM	-0.73573	-0.30075	-4.61829	1.92E-05	4.44E-05	2.356587
VEGFR2	-0.71583	-0.04246	-5.43465	9.13E-07	2.67E-06	5.298169
P70S6K	-0.70578	-0.47182	-7.6521	1.32E-10	1.46E-09	13.92892
CHK2	-0.70126	-0.41264	-7.04802	1.53E-09	1.13E-08	11.53059
TUBERIN	-0.66188	-0.28751	-7.28943	5.76E-10	5.25E-09	12.48739
PK1_PS241	-0.65558	-0.06265	-7.73723	9.36E-11	1.12E-09	14.26772
KU80	-0.63995	-0.25797	-6.85739	3.31E-09	2.05E-08	10.77753
CYCLIN_B1	-0.61664	-0.94364	-4.37349	4.59E-05	9.76E-05	1.518725
AKT	-0.6091	-0.17082	-6.41492	1.95E-08	9.76E-08	9.041927
MSH6	-0.56257	-0.81734	-6.66455	7.18E-09	3.98E-08	10.01873
EIF4G	-0.55785	-0.58593	-6.10566	6.67E-08	3.04E-07	7.842766
ADAR1	-0.52062	-0.14755	-7.77729	7.95E-11	1.03E-09	14.42716
EEF2K	-0.51036	-0.25532	-4.30552	5.83E-05	0.000122	1.290363
B-RAF	-0.50713	-0.70525	-4.76711	1.12E-05	2.66E-05	2.876952
PTEN	-0.50692	-0.41933	-5.42598	9.44E-07	2.71E-06	5.265894
IGFBP2	-0.50019	0.208727	-2.85258	0.005834	0.009227	-3.03227
BAP1-C-4	-0.48953	-0.49143	-9.31144	1.62E-13	1.26E-11	20.50241
ACC_PS79	-0.47335	0.285251	-2.62605	0.010794	0.016244	-3.58973
CYCLIN_E1	-0.45638	-0.79496	-5.96334	1.17E-07	4.77E-07	7.295811
ACETYL-A-TUBULIN-LYS40	-0.45595	-1.61022	-2.47845	0.015843	0.02295	-3.93302
INPP4B	-0.4423	0.962554	-1.8192	0.073559	0.094229	-5.25811
ER-ALPHA_PS118	-0.43316	0.2055	-3.92833	0.000212	0.000396	0.060127
4E-BP1	-0.43047	-0.53803	-3.57198	0.000679	0.001183	-1.03824
NF2	-0.41839	-0.41895	-5.80646	2.16E-07	7.80E-07	6.697062
RB_PS807_S811	-0.40075	-0.74515	-4.69296	1.46E-05	3.44E-05	2.616699
PKC-PAN_BETAI_PS660	-0.4003	-0.29662	-3.66364	0.000506	0.000902	-0.76212

GSK3-ALPHA-BETA	-0.39014	-0.11984	-5.12576	2.95E-06	7.50E-06	4.161549
STAT5-ALPHA	-0.36842	-0.02703	-2.61975	0.010976	0.016358	-3.60473
GAB2	-0.35141	-0.2014	-2.59593	0.011687	0.017252	-3.66109
RAPTOR	-0.35045	0.01141	-5.52409	6.48E-07	2.14E-06	5.631827
BIM	-0.348	0.290266	-3.30939	0.001538	0.002564	-1.80298
BECLIN	-0.34611	-0.10666	-3.53234	0.00077	0.001326	-1.15623
MSH2	-0.34544	-0.03193	-5.45913	8.31E-07	2.48E-06	5.389289
PDK1	-0.33222	-0.03744	-5.81128	2.12E-07	7.80E-07	6.715366
P38_MAPK	-0.32999	0.020254	-4.79216	1.02E-05	2.47E-05	2.965322
P90RSK	-0.32414	-0.02205	-4.12646	0.000108	0.00021	0.698258
GSK3-ALPHA-BETA_PS21_S9	-0.31662	-1.00826	-2.15475	0.03495	0.04752	-4.62757
AMPK_PT172	-0.31471	-0.12663	-2.39266	0.019672	0.027719	-4.12502
PDCD4	-0.308	0.553829	-1.74407	0.085948	0.107434	-5.38622
DVL3	-0.29939	-0.44061	-4.38751	4.37E-05	9.41E-05	1.566059
GSK3_PS9	-0.29807	-0.74553	-2.32645	0.023173	0.032358	-4.26935
CIAP	-0.28765	-0.05195	-5.61214	4.61E-07	1.55E-06	5.962118
PI3K-P85	-0.27857	-0.06274	-3.84986	0.000276	0.000502	-0.18736
PI3K-P110-ALPHA	-0.27095	0.078958	-4.2362	7.43E-05	0.000151	1.059465
P53	-0.26083	-0.20439	-1.45987	0.149218	0.182116	-5.82587
BAX	-0.24894	-0.12965	-2.44086	0.017429	0.024785	-4.01783
SMAD1	-0.21221	-0.03552	-4.23103	7.56E-05	0.000152	1.042339
JNK2	-0.20416	0.049246	-3.18677	0.002225	0.003631	-2.14604
PRDX1	-0.20336	0.147561	-2.83132	0.006189	0.009497	-3.08612
CHK1_PS345	-0.19751	-0.35009	-4.39469	4.26E-05	9.35E-05	1.590343
14-3-3_ZETA	-0.19097	-0.21992	-2.02219	0.04734	0.062716	-4.88788
S6_PS240_S244	-0.18676	-0.37931	-1.35688	0.179587	0.215782	-5.96722
BAD_PS112	-0.18497	-0.17384	-3.31966	0.001491	0.002512	-1.77383
P38_PT180_Y182	-0.18195	-0.18819	-1.42609	0.158702	0.192178	-5.8733
HER3	-0.17889	0.014078	-1.7471	0.085416	0.107434	-5.38114
MYOSIN-IIA_PS1943	-0.173	-0.12567	-1.33542	0.186467	0.222326	-5.99544
TSC1	-0.1729	-0.0242	-2.44298	0.017336	0.024785	-4.01308
ANNEXIN_VII	-0.14296	0.323153	-2.1006	0.03962	0.053401	-4.73563
S6_PS235_S236	-0.12766	-0.02828	-1.01865	0.312202	0.358455	-6.36203
MTOR_PS2448	-0.12386	-0.1351	-1.91208	0.060344	0.079265	-5.09303
AMPK_ALPHA	-0.11646	-0.20177	-1.46672	0.147347	0.18126	-5.81611
YB-1	-0.11066	-0.48022	-2.21991	0.029974	0.041115	-4.49439
CD49B	-0.10663	0.173772	-1.15711	0.251528	0.295355	-6.21343
BCL-2	-0.09715	0.787522	-0.89038	0.376599	0.422991	-6.48334
4E-BP1_PS65	-0.07165	-0.68549	-1.10809	0.271971	0.316959	-6.26812
PKC-DELTA_PS664	-0.0693	-0.08375	-1.49384	0.14013	0.173761	-5.77711
4E-BP1_PT37T46	-0.06868	-0.23662	-0.50423	0.615828	0.65379	-6.75175
EIF4E	-0.06143	-0.07708	-0.85786	0.394172	0.439544	-6.51157
SRC	-0.0608	-0.27068	-0.64148	0.523502	0.571428	-6.67314
G6PD	-0.04138	-0.00461	-0.61871	0.538303	0.579424	-6.68747
PCNA	-0.04038	0.057377	-0.69063	0.492294	0.541174	-6.64047
PAXILLIN	-0.0244	-0.43055	-0.34247	0.733117	0.765151	-6.82038

PEA-15	-0.0232	0.231615	-0.29871	0.766131	0.788174	-6.83446
A-RAF_PS299	-0.0214	0.041049	-0.62594	0.533578	0.578353	-6.68297
DJ-1	-0.01781	0.41669	-0.15629	0.876298	0.881989	-6.86699
CYCLIN_E2	-0.00412	-0.09946	-0.05611	0.955432	0.955432	-6.87768
CHK2_PT68	0.01819	-0.02627	0.176916	0.860133	0.871377	-6.86354
P27	0.026592	0.334827	0.339249	0.735533	0.765151	-6.82148
FIBRONECTIN	0.028883	0.793663	0.206946	0.836709	0.853223	-6.85775
NDRG1_PT346	0.033099	-0.02629	0.296467	0.767834	0.788174	-6.83513
SCD1	0.040949	0.072588	0.378201	0.706533	0.744984	-6.80747
ERK2	0.049088	-0.12702	0.583146	0.561844	0.600592	-6.70883
PRAS40_PT246	0.052528	-0.17047	1.238943	0.219891	0.260176	-6.11707
XRCC1	0.054078	0.221059	0.936267	0.352655	0.401923	-6.44176
ASNS	0.059566	-0.32934	0.711652	0.479266	0.530616	-6.62577
JNK_PT183_Y185	0.076367	0.272002	1.087721	0.280797	0.324803	-6.29017
C-JUN_PS73	0.104313	0.143415	1.805966	0.075625	0.096082	-5.28103
TRANSGLUTAMINASE	0.104766	-0.53041	1.820733	0.073322	0.094229	-5.25544
CASPASE-7_CLEAVEDD198	0.113628	0.043761	0.901098	0.370914	0.419647	-6.47381
PKC-ALPHA_PS657	0.122281	-0.30446	1.858219	0.067737	0.088229	-5.18965
XBP1	0.149872	0.128772	2.045809	0.044889	0.059981	-4.84255
FOXO3A	0.16474	0.341718	4.202269	8.35E-05	0.000166	0.947216
PR	0.170886	0.130885	2.838205	0.006071	0.009411	-3.0687
FOXO3A_PS318_S321	0.17909	0.248724	5.29393	1.56E-06	4.18E-06	4.777196
LCK	0.209671	-0.08992	3.238473	0.001906	0.003143	-2.00252
SRC_PY416	0.213827	-0.26742	2.840857	0.006027	0.009411	-3.06199
IRS1	0.242475	0.249789	3.147741	0.002499	0.004034	-2.25328
CD31	0.250483	0.154889	5.201135	2.22E-06	5.74E-06	4.436514
FOXM1	0.258302	-0.04693	3.068253	0.003155	0.005042	-2.46869
HER2_PY1248	0.268134	0.012439	4.10881	0.000115	0.000221	0.640667
SMAD4	0.271174	0.313121	6.903602	2.74E-09	1.85E-08	10.95986
NOTCH1	0.285665	0.112829	6.546545	1.15E-08	5.96E-08	9.556114
ACVRL1	0.286088	0.348654	7.408833	3.55E-10	3.44E-09	12.96157
N-RAS	0.303779	0.338828	5.694545	3.35E-07	1.18E-06	6.272822
YAP_PS127	0.307489	0.233116	2.507184	0.014718	0.021522	-3.86746
P27_PT157	0.315172	0.241978	6.023398	9.24E-08	3.87E-07	7.526197
LKB1	0.348537	0.250803	6.156562	5.46E-08	2.56E-07	8.039176
RICTOR	0.35564	0.101047	2.223288	0.029734	0.041115	-4.48738
EGFR	0.35996	-0.17669	7.091672	1.28E-09	1.05E-08	11.70337
AKT_PS473	0.360361	-0.23808	2.780861	0.007113	0.010808	-3.21267
C-RAF_PS338	0.388597	0.14839	5.376759	1.14E-06	3.15E-06	5.083224
MRE11	0.391126	0.404603	6.991907	1.92E-09	1.35E-08	11.30867
PAI-1	0.392658	0.739378	3.319965	0.001489	0.002512	-1.77297
N-CADHERIN	0.397081	0.084499	7.567317	1.87E-10	1.93E-09	13.59165
P90RSK_PT359_S363	0.401829	0.356657	5.467694	8.04E-07	2.44E-06	5.421207
HEREGULIN	0.423466	0.21423	5.502154	7.05E-07	2.28E-06	5.549813
PKC-ALPHA	0.425819	-0.07682	5.261392	1.77E-06	4.65E-06	4.65747
MEK1	0.427392	0.050376	3.698744	0.000452	0.000815	-0.65517

BID	0.452756	0.217478	8.214726	1.35E-11	2.09E-10	16.16767
EGFR_PY1068	0.462252	0.371107	5.324948	1.39E-06	3.78E-06	4.891587
MAPK_PT202_Y204	0.491236	0.78344	3.655285	0.00052	0.000916	-0.78748
STAT3_PY705	0.496915	0.449737	4.3933	4.28E-05	9.35E-05	1.585649
YB-1_PS102	0.511282	0.118834	8.400614	6.34E-12	1.09E-10	16.90625
STATHMIN	0.528668	0.45219	7.941858	4.08E-11	5.75E-10	15.08214
P70S6K_PT389	0.529282	0.429873	5.923168	1.37E-07	5.45E-07	7.142046
AKT_PT308	0.531412	-0.34124	5.487672	7.45E-07	2.31E-06	5.495729
SRC_PY527	0.538109	0.163928	4.240991	7.31E-05	0.000151	1.075365
RICTOR_PT1135	0.539182	0.3585	8.939524	7.20E-13	2.06E-11	19.03974
MEK1_PS217_S221	0.542806	0.595416	5.491042	7.35E-07	2.31E-06	5.508311
C-KIT	0.579596	0.518908	5.391573	1.08E-06	3.04E-06	5.138144
RAB11	0.594689	0.48491	8.914	7.98E-13	2.06E-11	18.93903
CAVEOLIN-1	0.824185	0.494789	4.517595	2.75E-05	6.28E-05	2.009123
HSP70	1.00054	0.467651	6.191276	4.76E-08	2.30E-07	8.173361
ANNEXIN-1	1.037241	0.144028	7.069017	1.41E-09	1.09E-08	11.61368
NF-KB-P65_PS536	1.05101	0.401213	6.09686	6.91E-08	3.06E-07	7.808836
MYH11	1.265174	1.309184	4.157838	9.74E-05	0.000191	0.800993
COLLAGEN_VI	1.406208	1.444602	8.720104	1.74E-12	3.77E-11	18.17277

MDA ERposHER2neg IDC

Protein	logFC	AveExpr	t	P.Value	adj.P.Val	B
VHL	-2.4904	0.385762	-7.348099	2.20E-09	2.46E-08	11.278455
ER-ALPHA	-2.003231	1.8634202	-5.241879	3.55E-06	1.42E-05	4.0508694
GATA3	-1.812986	1.8725389	-9.946989	3.15E-13	4.91E-11	19.97361
E-CADHERIN	-1.789335	-0.162202	-8.314164	7.63E-11	2.41E-09	14.582639
PREX1	-1.726587	1.098124	-5.273034	3.19E-06	1.31E-05	4.1551422
GAPDH	-1.665362	-1.707897	-4.382864	6.39E-05	0.0001811	1.2546015
53BP1	-1.618167	-0.878014	-8.31047	7.73E-11	2.41E-09	14.570131
AR	-1.468365	0.8243346	-7.377049	1.99E-09	2.39E-08	11.378247
FASN	-1.281729	1.1256599	-3.385322	0.0014287	0.0029327	-1.704012
S6	-1.224125	-0.421257	-7.018688	7.02E-09	6.85E-08	10.141025
RAB-25	-1.177062	0.4272499	-5.734147	6.44E-07	2.96E-06	5.7144782
RBM15	-1.17559	-0.790538	-7.146824	4.47E-09	4.65E-08	10.583827
BETA-CATENIN	-1.030458	-0.692578	-6.317127	8.33E-08	5.20E-07	7.7157469
ACC1	-0.972898	0.0604559	-3.584604	0.0007899	0.0017115	-1.145885
CLAUDIN-7	-0.965566	0.166072	-4.073096	0.0001736	0.0004368	0.2951693
VEGFR2	-0.95317	0.0585488	-6.171141	1.39E-07	7.76E-07	7.2125495
ATM	-0.885196	-0.24283	-4.629429	2.83E-05	8.83E-05	2.0391689
TRFC	-0.862789	-1.411131	-3.308639	0.0017868	0.0035736	-1.913633
P62-LCK-LIGAND	-0.810276	-0.370868	-4.928905	1.03E-05	3.51E-05	3.0129975
CHK2	-0.806019	-0.338167	-6.036131	2.24E-07	1.16E-06	6.7482057
KU80	-0.788392	-0.213895	-8.913862	9.83E-12	7.67E-10	16.596109
IGFBP2	-0.763198	0.290107	-3.648265	0.0006515	0.0014315	-0.963718
HER2	-0.717378	-0.316384	-4.22472	0.0001068	0.0002823	0.7608478
PKD1_PS241	-0.711974	0.0070239	-6.679926	2.32E-08	1.90E-07	8.9693716
INPP4B	-0.668853	0.915462	-2.220991	0.031123	0.0475999	-4.517804
TUBERIN	-0.647844	-0.215072	-5.781927	5.45E-07	2.66E-06	5.8774978
BIM	-0.600257	0.3325017	-4.800273	1.60E-05	5.30E-05	2.5921563
P70S6K	-0.59065	-0.369956	-4.719962	2.09E-05	6.66E-05	2.3313183
PDCD4	-0.583963	0.5179995	-2.733358	0.0087622	0.0153585	-3.383784
MSH6	-0.554107	-0.750704	-4.498054	4.37E-05	0.0001289	1.6190195
BAP1-C-4	-0.554039	-0.44046	-7.927073	2.91E-10	6.49E-09	13.266136
EIF4G	-0.519422	-0.500312	-4.307136	8.17E-05	0.0002199	1.0171853
ADAR1	-0.514032	-0.094399	-5.125958	5.29E-06	1.96E-05	3.664342
CYCLIN_B1	-0.485793	-0.878323	-2.507289	0.0156177	0.0264822	-3.906354
ACETYL-A-TUBULIN-LYS40	-0.467477	-1.52614	-1.807946	0.0769073	0.1071209	-5.291596
AKT	-0.467418	-0.091268	-3.759679	0.0004634	0.001063	-0.640636
ER-ALPHA_PS118	-0.451313	0.2720109	-2.832016	0.0067497	0.012103	-3.145432
GSK3-ALPHA-BETA	-0.442898	-0.078754	-6.459256	5.05E-08	3.42E-07	8.2064771
NF2	-0.442072	-0.359981	-4.591247	3.21E-05	9.83E-05	1.9165831
RAPTOR	-0.440279	0.039402	-5.32245	2.69E-06	1.13E-05	4.3208447
P90RSK	-0.415049	0.0169247	-4.115132	0.0001518	0.0003882	0.4234775
RB_PS807_S811	-0.408529	-0.701205	-3.427587	0.0012617	0.0026244	-1.587228
EEF2K	-0.392676	-0.181656	-2.222762	0.0309952	0.0475999	-4.514203
MSH2	-0.392123	0.0197661	-5.001174	8.09E-06	2.81E-05	3.250991

SYK	-0.375359	-1.174417	-1.471484	0.147712	0.1952803	-5.81884
B-RAF	-0.361739	-0.610804	-2.339285	0.0235467	0.0374826	-4.272257
CIAP	-0.360447	-0.022159	-5.424547	1.89E-06	8.20E-06	4.6643768
PRDX1	-0.35623	0.1848335	-4.063453	0.000179	0.0004432	0.2658219
CYCLIN_E1	-0.347756	-0.714016	-3.03041	0.0039337	0.0073054	-2.648276
PI3K-P110-ALPHA	-0.347056	0.1194193	-4.359832	6.88E-05	0.0001884	1.1822094
PTEN	-0.339665	-0.343287	-2.742193	0.0085617	0.0151775	-3.362689
AMPK_PT172	-0.327665	-0.095243	-1.935764	0.0588215	0.0857584	-5.066514
ACC_PS79	-0.315119	0.3791957	-1.26797	0.2109484	0.2653867	-6.089731
PKC-PAN_BETAI_PS660	-0.307024	-0.252356	-2.101069	0.0409318	0.0602393	-4.756131
P38_MAPK	-0.305066	0.0439464	-3.531936	0.0009253	0.0019598	-1.29521
PDK1	-0.300292	0.0099318	-3.841558	0.0003597	0.0008632	-0.399879
BAX	-0.294101	-0.10906	-2.145969	0.0369805	0.0554708	-4.668171
PI3K-P85	-0.292828	-0.033351	-3.330243	0.0016781	0.0033998	-1.854877
BECLIN	-0.251778	-0.056458	-1.857736	0.0693705	0.1002018	-5.205496
4E-BP1	-0.242138	-0.464909	-1.449972	0.1535946	0.199673	-5.849222
JNK2	-0.226763	0.0779383	-2.583271	0.0129015	0.0221168	-3.734486
DVL3	-0.225852	-0.402048	-2.276742	0.0273178	0.0426158	-4.403353
GSK3_PS9	-0.221595	-0.713301	-1.257057	0.2148393	0.2681194	-6.103201
14-3-3_ZETA	-0.221416	-0.173568	-1.831653	0.0732368	0.1038631	-5.250852
CHK1_PS345	-0.215801	-0.334289	-3.818981	0.0003858	0.0008983	-0.466536
BCL-2	-0.210738	0.7993853	-1.451749	0.153102	0.199673	-5.846729
TSC1	-0.207935	-0.009938	-2.613018	0.011961	0.0207323	-3.666147
ANNEXIN_VII	-0.206215	0.3505051	-2.334804	0.0238006	0.0375039	-4.281744
CD49B	-0.206063	0.1738104	-1.741746	0.0879836	0.1203986	-5.40291
GSK3-ALPHA-BETA_PS21_S9	-0.200413	-0.989056	-0.995285	0.324608	0.3807432	-6.393225
BAD_PS112	-0.184289	-0.16688	-2.496672	0.0160361	0.0268992	-3.930059
MTOR_PS2448	-0.183629	-0.114011	-2.125273	0.0387582	0.0575836	-4.708906
MYOSIN-IIA_PS1943	-0.165183	-0.082959	-0.97472	0.3346049	0.3893512	-6.413284
SMAD1	-0.164563	-0.019014	-2.340807	0.0234611	0.0374826	-4.269034
DJ-1	-0.13975	0.4129403	-0.969979	0.3369385	0.3893512	-6.417851
S6_PS235_S236	-0.135965	0.0390371	-1.007567	0.3187345	0.3795617	-6.381055
GAB2	-0.133913	-0.108557	-0.714978	0.4780991	0.5365717	-6.631664
S6_PS240_S244	-0.110654	-0.286453	-0.747615	0.4583535	0.5181387	-6.607816
G6PD	-0.097584	-0.010335	-1.12174	0.2675751	0.3261072	-6.261103
PCNA	-0.094612	0.0516551	-1.176732	0.2451276	0.3011016	-6.198974
PEA-15	-0.093777	0.2275949	-1.000951	0.3218893	0.3804146	-6.387628
EIF4E	-0.07551	-0.076058	-0.793115	0.4316289	0.4914899	-6.572835
4E-BP1_PT37T46	-0.07431	-0.169766	-0.393869	0.6954288	0.7586496	-6.810311
FIBRONECTIN	-0.063422	0.7964677	-0.330756	0.7422739	0.7985844	-6.833353
AMPK_ALPHA	-0.06201	-0.18449	-0.57739	0.5663854	0.6266392	-6.720713
YB-1	-0.053952	-0.457229	-0.80315	0.4258629	0.4884898	-6.564849
STAT5-ALPHA	-0.04923	0.0053378	-0.262017	0.7944339	0.8447041	-6.853902
4E-BP1_PS65	-0.047022	-0.657159	-0.546884	0.5870016	0.644875	-6.737926
A-RAF_PS299	-0.046764	0.0481146	-1.071412	0.2893629	0.3499273	-6.31549
NDRG1_PT346	-0.040567	0.0017381	-0.260012	0.7959712	0.8447041	-6.854431

SRC	-0.021379	-0.253925	-0.159348	0.8740657	0.8970674	-6.875739
P53	-0.018672	-0.158446	-0.092935	0.9263439	0.9445075	-6.884201
XRCC1	-0.0044	0.2045835	-0.058221	0.9538151	0.9662023	-6.886852
PAXILLIN	0.0037106	-0.40964	0.0390918	0.96898	0.9723279	-6.887793
P38_PT180_Y182	0.0054809	-0.18856	0.0348709	0.9723279	0.9723279	-6.88795
PKC-DELTA_PS664	0.0136919	-0.074865	0.2406758	0.8108354	0.8546644	-6.859316
P27	0.016722	0.3227916	0.1711629	0.864818	0.8934543	-6.873767
CYCLIN_E2	0.0175092	-0.073456	0.1855767	0.8535617	0.8877042	-6.871171
ERK2	0.0194083	-0.117506	0.2059491	0.8377051	0.8770604	-6.867144
HER3	0.049387	0.0847051	0.3491675	0.7284967	0.7892047	-6.827044
PRAS40_PT246	0.0974554	-0.155668	1.7315734	0.089798	0.1218129	-5.419692
TRANSGLUTAMINASE	0.1102234	-0.521811	1.4300706	0.1591993	0.2052487	-5.876966
RICTOR	0.1136495	0.0098561	0.6871741	0.4952928	0.5518977	-6.65116
JNK_PT183_Y185	0.1191739	0.2508186	1.3411532	0.1862072	0.2361652	-5.996607
ASNS	0.1384948	-0.300165	1.4032764	0.1669956	0.2135353	-5.913763
PKC-ALPHA_PS657	0.1409506	-0.335752	1.6682329	0.1018064	0.1369121	-5.522231
SCD1	0.1519082	0.1074465	1.020328	0.312708	0.3752496	-6.368258
LCK	0.1561822	-0.125685	1.8230108	0.0745574	0.1047833	-5.265758
FOXO3A	0.1670597	0.3325876	3.1898668	0.0025135	0.0047842	-2.232346
PR	0.1777688	0.1071539	2.4179286	0.0194697	0.0323115	-4.103437
C-JUN_PS73	0.1855682	0.1251588	2.4120001	0.0197533	0.032437	-4.116316
CHK2_PT68	0.1970231	-0.025798	1.5517613	0.1273141	0.1697521	-5.701867
YAP_PS127	0.2026069	0.1780363	1.2168743	0.2296247	0.2842972	-6.151854
FOXO3A_PS318_S321	0.20428	0.2315098	4.7248418	2.06E-05	6.66E-05	2.3471229
CASPASE-7_CLEAVEDD198	0.2569521	0.021118	1.746647	0.0871203	0.1202723	-5.394794
CD31	0.2652862	0.1225489	4.3707305	6.64E-05	0.0001851	1.2164441
XBP1	0.2874565	0.139963	3.2732179	0.0019795	0.0039089	-2.009453
SMAD4	0.3037187	0.2949091	5.7078001	7.07E-07	3.15E-06	5.6246857
ACVRL1	0.3058088	0.3244904	5.9084185	3.50E-07	1.76E-06	6.3100998
AKT_PS473	0.3194802	-0.335019	1.839694	0.0720259	0.103083	-5.236929
FOXM1	0.3243813	-0.074377	3.1326683	0.0029556	0.0055551	-2.383156
SRC_PY416	0.3249863	-0.267433	3.5303817	0.0009296	0.0019598	-1.299597
HER2_PY1248	0.3459793	-0.003999	4.218764	0.0001088	0.000283	0.7424084
IRS1	0.3488918	0.2464823	3.8266509	0.0003767	0.0008904	-0.443915
N-RAS	0.3513395	0.320786	5.7514232	6.07E-07	2.87E-06	5.7733976
NOTCH1	0.3548407	0.096773	6.6901931	2.23E-08	1.90E-07	9.0048844
P27_PT157	0.3906463	0.217442	6.2830432	9.39E-08	5.63E-07	7.5981777
MAPK_PT202_Y204	0.3910859	0.6767863	2.1624279	0.0356183	0.0539462	-4.635544
LKB1	0.3959385	0.2165387	6.0591707	2.06E-07	1.11E-06	6.827366
STAT3_PY705	0.4103988	0.3748754	2.9379822	0.0050712	0.0091989	-2.882784
PKC-ALPHA	0.4130286	-0.12789	4.4687659	4.82E-05	0.0001392	1.5259995
MRE11	0.4146741	0.3597772	6.5752764	3.35E-08	2.50E-07	8.6074756
C-RAF_PS338	0.4303491	0.1087602	5.1379922	5.07E-06	1.93E-05	3.7043585
P90RSK_PT359_S363	0.4495327	0.3153963	5.1089408	5.60E-06	2.03E-05	3.6077986
N-CADHERIN	0.4538954	0.051976	7.3874767	1.92E-09	2.39E-08	11.414184
EGFR	0.4686269	-0.203467	7.9339063	2.85E-10	6.49E-09	13.289474

PAI-1	0.4883138	0.730793	3.0044806	0.004226	0.007756	-2.714562
BID	0.4925879	0.1678097	7.8718913	3.53E-10	6.89E-09	13.07755
HEREGULIN	0.5013426	0.203792	5.0308075	7.32E-06	2.59E-05	3.3488809
EGFR_PY1068	0.5158974	0.3243926	4.497615	4.38E-05	0.0001289	1.6176228
AKT_PT308	0.539483	-0.415484	3.9714607	0.0002395	0.0005838	-0.012425
C-KIT	0.5410818	0.4190207	3.7299366	0.0005077	0.0011479	-0.727403
RICTOR_PT1135	0.5455185	0.30136	7.4604314	1.49E-09	2.11E-08	11.665474
MEK1	0.5600791	0.0281061	3.7113726	0.0005375	0.0011978	-0.781369
RAB11	0.5816763	0.405032	7.4689286	1.44E-09	2.11E-08	11.694726
YB-1_PS102	0.583564	0.070743	8.7038247	2.01E-11	1.04E-09	15.894894
SRC_PY527	0.584068	0.1150113	3.1896845	0.0025148	0.0047842	-2.232829
STATHMIN	0.5989587	0.3951334	7.5504296	1.08E-09	1.88E-08	11.97513
P70S6K_PT389	0.6650471	0.3876134	6.1779629	1.36E-07	7.76E-07	7.2360401
MEK1_PS217_S221	0.6833646	0.5443546	6.4257151	5.68E-08	3.69E-07	8.0906111
CAVEOLIN-1	0.8098351	0.3465618	3.2391785	0.0021831	0.0042571	-2.100921
MYH11	0.857368	1.0337437	2.3448172	0.0232367	0.0374826	-4.260526
HSP70	0.9396473	0.3579326	5.1389429	5.06E-06	1.93E-05	3.7075212
ANNEXIN-1	1.2823649	0.0587676	6.5090662	4.23E-08	3.00E-07	8.3785981
NF-KB-P65_PS536	1.3423273	0.3392258	6.7521581	1.80E-08	1.65E-07	9.2192218
COLLAGEN_VI	1.4598908	1.2732798	6.5740928	3.37E-08	2.50E-07	8.6033833