

Supplemental Table 1. CBD-dependent signaling. CaOV3 and OV7 treated with MCT/DMF or 6 mM Broad spectrum CBD for 24 hrs. Protein collected for reverse phase protein array analysis. Values = median centered by antibodies.

Supplemental Table 1, Greenwood et al 2024

Antibody Name	CaOV3					
	DMF/MCT	DMF/MCT	DMF/MCT	6 uM Broad Spectrum CBD	6 uM Broad Spectrum CBD	6 uM Broad Spectrum CBD
Wee1	0.0374	0.0550	0.0707	-0.0427	-0.0564	-0.0517
ATM	0.0901	0.1955	0.1922	-0.1425	-0.1061	-0.2058
LCN2	-0.0345	-0.0393	-0.0499	0.1005	0.0803	0.0310
Lyn	-0.0706	-0.0277	-0.0905	0.0372	0.0236	0.0375
CENP-A	-0.0197	-0.0437	-0.0505	0.0144	0.0220	0.0460
ERCC5	0.0163	0.0453	0.0519	-0.1017	-0.0323	-0.0688
Glutamate-D1-2	-0.0332	-0.1162	-0.1032	0.0278	0.0883	0.0619
Grp75	-0.0659	-0.0429	-0.0255	0.0686	0.1153	0.0348
RIP	0.0509	0.0234	0.0360	-0.1165	-0.0275	-0.0875
IRF-1	0.0106	0.0441	0.0754	-0.0804	-0.0266	-0.0994
G6PD	-0.0626	-0.0895	-0.0175	0.0581	0.0143	0.0885
E2F1	-0.0129	-0.0348	-0.0242	0.0396	0.0092	0.0094
SOD2	-0.0383	-0.0879	-0.1889	0.0605	0.0892	0.0348
ERCC1	-0.0190	-0.0175	-0.0181	0.0486	0.0030	0.0412
Folliculin	-0.0383	-0.0132	-0.0462	0.0864	0.0091	0.0618
eIF4G	0.0048	0.0641	0.0618	-0.0547	-0.0208	-0.0167
S100A4	-0.0686	-0.0122	-0.0152	0.0763	0.0429	0.0206
ALKBH5	0.0615	0.1172	0.0572	-0.2426	-0.0683	-0.0480
c-Abl_pY412	-0.1489	-0.0604	-0.0221	0.0294	0.0445	0.0406
Cyclin-D1	-0.0140	-0.0149	-0.0486	0.0087	0.0541	0.0830
RPA32_pS4_S8	0.0556	0.0152	0.0245	-0.1171	-0.0193	-0.0436
CREB_pS133	0.0642	0.0490	0.0013	-0.1047	-0.0045	-0.0983
PKA-a	0.0506	0.0422	0.2055	-0.0458	-0.0463	-0.1465
Synaptophysin	-0.0416	-0.0200	-0.0017	0.0654	0.0280	0.0109
HSP70	0.0136	0.0270	0.0026	-0.0615	-0.0058	-0.0706
p21	-0.0020	0.0277	0.0302	-0.0034	-0.0214	-0.0187
YTHDF3	0.0349	0.0098	0.0785	-0.1461	-0.0139	-0.0770
ATM_pS1981	-0.0122	-0.1105	-0.0992	0.0333	-0.0038	0.0909
RBM15	0.0592	0.0687	0.0053	-0.1295	-0.0085	-0.0572
MEK1	-0.0037	0.0320	0.0230	-0.1281	-0.0123	-0.1310
FANCD2	-0.0619	-0.0080	-0.1065	0.0145	0.0128	0.0836
FASN	-0.0039	0.0516	0.1190	-0.0647	-0.0780	0.0005
Rb_pS807_S811	0.0741	0.0080	0.1653	-0.0963	-0.0122	-0.0216
PAR	-0.0216	0.3579	0.3073	-0.1611	-0.3409	0.0181
Notch1	-0.0030	-0.0310	-0.0379	-0.0024	0.0621	0.0219
SOD1	0.0852	0.0015	0.1799	-0.0686	-0.0057	-0.1927
Stat5a	0.0519	-0.0031	0.0773	-0.0425	-0.0011	-0.0177
Myt1	0.0019	0.0077	0.0720	-0.1037	-0.1364	0.0007

eIF4E_pS209	0.0242	-0.0054	0.0142	-0.0630	0.0013	-0.0483
PKC-a-b-II_pT638_T641	-0.0135	0.4325	0.4531	-0.1610	-0.0024	-0.0174
ATR_pS428	0.0321	0.0058	0.0025	-0.0651	-0.0770	0.0068
Sox17	-0.0262	-0.0004	-0.0244	0.0130	-0.0037	0.0462
TSC1	-0.0141	0.0018	-0.0560	-0.0088	0.0617	0.0740
BRD4	0.0429	-0.0149	0.0548	-0.1445	0.0108	-0.1932
DJ1	-0.0110	0.1337	0.1462	-0.0668	-0.0050	-0.0023
Akt2	0.0357	0.0042	0.0174	-0.0555	-0.0083	-0.0007
CD44	-0.0375	0.0200	-0.1701	-0.0135	0.1370	0.1657
YAP	-0.0240	0.1196	0.1330	-0.0630	-0.0942	0.0205
c-Jun_pS73	-0.0153	0.0030	-0.0221	-0.0067	0.0238	0.0276
Erk5	-0.1607	-0.0002	0.0006	0.2021	-0.0079	0.1364
IRS1	-0.0514	0.5617	0.3207	-0.1677	0.0354	-0.1730
EphA2_pS897	-0.2796	0.0058	-0.0428	0.0007	0.1097	0.1816
CIITA	-0.0352	-0.0240	0.0044	0.0507	0.0035	0.0049
PHGDH	-0.0345	-0.0810	0.0115	0.0520	0.0272	-0.0023
Src_pY527	-0.0264	0.1215	0.2110	0.0210	-0.0549	-0.1124
ZEB1	-0.0495	0.0183	-0.0863	0.1143	0.0473	-0.0100
Cyclin-D3	0.0583	-0.0058	0.0819	-0.2059	0.0017	-0.0481
MSI2	-0.0259	0.0713	0.0831	-0.0706	0.0099	-0.0502
Cdc6	-0.0050	-0.0128	-0.0090	0.0612	-0.0110	0.0520
IDO	-0.0414	-0.0343	0.0129	0.0161	0.0496	-0.0008
EphA2_pY588	-0.0948	-0.0134	-0.0038	0.0112	0.0211	0.0172
NF-kB-p65_pS536	0.0528	-0.0298	0.1398	-0.1206	0.0256	-0.2160
ATR	-0.0119	-0.0004	-0.0458	0.0040	0.0136	0.0858
P-Cadherin	-0.0115	0.0384	0.0440	-0.0436	-0.0211	0.0080
p70-S6K_pT389	-0.0249	0.2885	0.2286	0.0195	-0.0663	-0.0078
Wee1_pS642	-0.0001	-0.0295	-0.0113	0.0335	0.0361	-0.0123
Akt	-0.0073	0.0419	0.0879	-0.0733	-0.0087	-0.3247
Hexokinase-II	-0.1357	0.5898	0.6017	-0.5689	0.0804	-0.0757
Melanoma-gp100	-0.0721	0.0039	-0.0231	0.0846	-0.0080	0.0155
CtIP	-0.1368	0.0055	-0.0473	0.0437	-0.0090	0.0137
IGFBP2	-0.1857	0.0353	-0.1825	0.0299	0.0338	-0.0146
Stat1_pY701	-0.0380	0.0040	-0.0035	0.0608	0.0158	-0.0006
CD20	-0.0854	0.0358	-0.3266	0.1124	-0.0399	0.1800
TRIM24	0.0212	-0.0522	-0.0412	0.0149	0.0462	0.0004
CA9	0.0485	0.0485	-0.0106	-0.0386	0.0045	0.0002
ERRalpha	0.1057	-0.0073	0.0253	-0.0103	0.0032	-0.0824
PGM1	0.0873	-0.0415	0.1427	-0.0970	0.0374	-0.1117
CD31	-0.0356	-0.0034	0.0038	0.0537	0.1597	-0.0036
UBAC1	0.0535	-0.1476	-0.3024	0.3017	-0.0110	0.0158
BRCA1	-0.0800	0.0233	-0.0229	0.1152	0.0844	-0.0250
DDR1_pY513	-0.0706	0.0198	-0.0516	0.0438	0.0060	-0.0013
PIP4K2B	-0.0079	-0.0044	-0.0208	0.0304	-0.0159	0.0523
Folate-Binding-Protein	0.0304	0.1768	-0.0050	-0.0285	0.0018	-0.0442
TFRC	-0.0796	0.2207	0.3134	-0.1935	-0.0267	0.0314
PKD1_pS241	-0.0316	0.0193	0.0935	-0.1509	-0.3336	0.0380
JAB1	0.1279	0.0737	-0.0151	-0.0116	0.0118	-0.0098
Annexin-VII	0.0370	-0.0232	0.0733	-0.0415	0.0191	-0.1328
c-Kit	0.0918	-0.0378	0.3810	-0.0096	0.0124	-0.3405
CD4	-0.1136	0.0198	-0.0307	0.0846	0.0226	-0.0115

DM-K9-Histone-H3	0.0403	0.0248	-0.0082	-0.0292	0.0030	0.0017
Rab11FIP1	0.0003	-0.0624	-0.0327	0.2823	-0.0163	0.0578
MSH6	0.0118	-0.0241	0.1461	-0.1735	0.0323	-0.0830
PTPN12	0.0204	0.0973	-0.0071	0.0059	-0.0031	-0.0678
Myosin-IIa	-0.0225	0.0824	0.0180	-0.1749	0.0065	-0.0363
LRP6_pS1490	-0.0150	0.0212	0.0967	-0.0554	-0.0250	0.0116
PDK1	0.0376	-0.0113	0.0547	-0.0983	0.0071	-0.0027
PAK_pS474_S602_S560	-0.0174	0.0124	0.0564	0.0120	-0.0356	-0.1068
c-Met_pY1234_Y1235	0.0044	-0.0177	-0.0634	0.0120	-0.0092	0.0164
MYH11	0.1657	0.0779	-0.0342	-0.1026	0.0301	-0.0254
ARID1A	-0.0028	0.0048	-0.0044	-0.0289	0.0026	-0.0185
H2AX_pS139	0.0694	-0.0168	0.0381	-0.0247	0.0126	-0.1895
Rictor	-0.0324	0.0790	0.1223	0.0027	0.0002	-0.0444
UVRAG	0.0120	-0.0011	0.0016	-0.0636	-0.0422	0.0151
p27-Kip1	-0.0104	0.0129	-0.0010	-0.0667	0.0147	-0.0671
TEAD	-0.0233	0.0204	0.0130	-0.0868	-0.0812	0.0198
A-Raf	0.0439	-0.0528	-0.2041	0.0030	-0.0001	0.2112
Cdc42	0.0301	-0.0071	0.0212	-0.0621	0.0030	0.0010
NDRG1_pT346	-0.1230	0.5477	0.4025	-0.0483	0.0432	-0.0385
B-Raf	0.0046	-0.0013	0.0343	-0.0317	-0.1560	0.0097
SIRP-alpha	-0.0723	0.1422	0.2161	-0.1248	0.0563	-0.0730
ATRX	0.0439	-0.0377	0.3660	-0.0497	0.0335	-0.2053
A-Raf_pS299	0.0128	-0.0251	-0.0669	0.0719	0.0547	-0.0359
MEK1_pS217_S221	-0.3561	-0.0326	0.0330	-0.0641	0.0750	0.2878
E-Cadherin	-0.0091	0.0869	0.4999	0.0037	-0.0071	-0.0731
SGK1	-0.0754	0.0270	-0.0462	0.0302	-0.0274	0.1673
SDHA	0.0467	-0.1002	-0.0847	0.0081	0.0401	0.0072
GCN5L2	-0.0123	-0.3464	0.0009	0.1792	0.1001	-0.0862
p44-42-MAPK	-0.0136	0.0012	0.0766	-0.1150	-0.0189	0.0107
MIG6	-0.1034	-0.3094	0.0897	0.2591	0.0669	-0.0622
RSK	-0.0286	0.1002	0.0410	-0.0677	-0.0120	0.0167
PLK1	0.0079	-0.0119	-0.1256	0.0183	0.1348	-0.0307
KEAP1	-0.0175	0.0052	0.0397	-0.0961	-0.1222	0.0393
MLKL	-0.0428	0.1275	0.1562	0.0208	-0.0179	-0.0088
ACVRL1	0.0142	-0.0147	-0.0380	-0.0043	0.0105	0.0196
WIPI2	-0.0240	0.0386	0.1825	0.0186	-0.0172	-0.0541
Caspase-8-cleaved	0.0029	-0.0067	-0.0593	0.0114	-0.0084	0.0131
Akt_pS473	-0.1016	0.0748	-0.1315	-0.0307	0.1316	0.0460
DUSP6	-0.0747	0.1229	0.1128	-0.0752	0.0587	-0.1984
HSP27	0.0565	0.0760	-0.0303	0.0377	-0.0619	-0.0446
HER2_pY1248	-0.0880	0.0137	-0.0132	-0.0208	0.0283	0.0378
LAD1	0.1280	0.0275	-0.0271	0.0468	-0.1038	-0.0516
c-Abl	0.0013	-0.0136	0.1744	0.0521	-0.0956	-0.0759
TAZ	0.1533	0.0238	-0.0234	-0.1240	0.0452	-0.0325
Atg3	0.0658	-0.0410	0.1525	0.0347	-0.0319	-0.0500
COG3	-0.0146	0.0210	0.0382	-0.0259	-0.0093	0.0111
PD-1	-0.0368	0.0301	-0.0457	0.0123	-0.0095	0.0579
AMPKa_pT172	0.1062	-0.1463	-0.4150	-0.0552	0.1048	0.0705
PTEN	0.0133	-0.0108	0.2186	-0.0374	0.0066	-0.0152
Gli1	-0.0053	-0.0070	0.0837	-0.0485	-0.0345	0.0214
Bcl2	-0.4872	0.0744	-0.1057	-0.0679	0.0886	0.0880

TRIP13	-0.0420	-0.1039	0.0306	0.1921	-0.0608	0.0509
BAP1	0.0652	-0.0094	0.0098	-0.0114	0.0207	-0.1720
14-3-3-beta	-0.0905	-0.0102	0.0106	0.0892	-0.0663	0.1205
BiP-GRP78	0.0314	0.0534	-0.0196	0.0270	-0.0276	-0.0408
CSK	0.0000	-0.0124	-0.1414	-0.0658	0.0432	0.1091
MCT4	0.2573	-0.2696	0.4823	-0.5827	0.4348	-1.3220
RPA32	0.1018	-0.0600	0.6473	-0.0625	0.0121	-0.0074
ER-a_pS118	0.0267	-0.0434	-0.0390	-0.0074	0.0128	0.0227
Axl	-0.0548	-0.1338	0.0433	0.8798	0.0416	-0.0400
Jak2	0.0433	-0.0405	-0.1196	-0.0243	0.0472	0.0396
GSK-3a-b	0.0415	-0.0132	0.0355	0.0064	-0.0173	0.0090
eEF2	0.0115	-0.0238	0.0514	-0.6283	-0.5978	0.2635
Claudin-7	0.1071	-0.1194	0.2908	-0.1793	0.1725	-0.4567
PAI-1	0.0415	-0.0221	-0.1042	0.5444	-0.0136	0.0183
PAK4	0.0580	-0.0507	-0.1309	0.0097	0.0543	0.0056
Tuberin	0.0509	-0.0287	0.0513	-0.0356	0.0182	-0.0135
DRP1	-0.3034	-0.0703	0.0666	0.0664	-0.0335	0.0382
Histone-H3_pS10	-0.0547	0.0465	-0.0468	-0.0036	0.0064	0.0907
Coup-TFII	-0.1056	-0.0157	0.0173	0.0176	-0.0148	0.0227
GCLM	-0.0276	0.0153	-0.0536	0.0533	0.0164	-0.0301
Smad4	-0.0072	-0.0032	0.0029	-0.0003	-0.0009	0.0064
DAPK2	-0.0134	0.0273	0.0603	-0.0025	-0.0029	0.0076
Atg5	-0.0542	0.0495	0.3388	0.0000	0.0028	-0.0675
Fibronectin	-0.1040	0.0278	-0.0274	0.1860	0.0468	-0.0651
Mitofusin-1	-0.0185	0.0062	0.1246	-0.0630	-0.1146	0.0630
Cyclophilin-F	0.0544	-0.0667	-0.0995	-0.1167	0.2826	0.1337
IGFBP3	0.1190	0.0716	-0.0665	-0.1215	0.0455	-0.0408
NRF2	-0.0197	0.0074	-0.1643	0.1232	0.0073	-0.0611
IGF1R_pY1135_Y1136	0.0376	0.0097	-0.0093	-0.0745	0.0181	-0.0058
STING	0.0428	-0.0551	0.0800	-0.3614	0.1061	-0.1290
FAK_pY397	-0.2033	0.0812	-0.0912	-0.0273	0.0474	0.0426
MelanA	-0.0354	-0.0060	0.0065	0.0159	-0.0247	0.0708
Heregulin	0.0655	-0.0500	-0.2292	-0.0573	0.0950	0.0584
C-Raf	0.0447	-0.0091	0.0015	-0.2314	-0.0047	0.0168
PR	-0.0355	-0.0016	0.0131	0.0361	-0.0025	0.0020
TIGAR	-0.0359	0.0236	-0.0286	-0.0294	0.0225	0.0914
b-Actin	0.0665	-0.0261	0.0092	-0.0018	0.0096	-0.0835
Chk2_pT68	0.0455	-0.0354	-0.0477	0.0990	0.0225	-0.0178
SFRP1	0.0649	-0.0019	0.0023	-0.0680	0.0240	0.0008
IL-6	-0.1165	-0.0117	0.0430	0.0725	-0.0066	0.0113
cGAS	0.0920	0.0738	-0.0565	-0.0491	-0.0001	0.0048
Mnk1	0.1074	0.1087	-0.1012	-0.1758	0.0273	-0.0226
Smad3	0.0564	-0.1921	-0.0260	0.0697	0.0107	-0.0060
Bid	-0.0130	0.0070	-0.0379	-0.0224	0.0305	0.0095
PRMT5	0.0089	-0.0035	-0.0387	0.0100	-0.0224	0.0888
14-3-3-zeta	-0.7158	0.0197	-0.0075	-0.0578	0.0756	0.0167
IRS2	0.0809	-0.0245	-0.0788	0.0310	0.2721	-0.0189
Rad17_pS645	0.0594	-0.0336	-0.0691	-0.0086	0.0114	0.1219
Mcl-1	0.0987	-0.1299	-0.1185	-0.0795	0.1330	0.0948
MMP14	-0.3129	0.6998	0.3700	0.2779	-0.3042	-0.2626
Notch1-cleaved	0.0062	0.0036	-0.0032	-0.0247	0.0031	0.0007

Twist	0.0188	-0.0121	-0.0176	0.0033	0.0079	0.0121
EphA2	0.1283	0.0176	-0.0172	-0.1111	-0.5584	0.1719
Stat3	0.0135	-0.0258	0.1002	-0.2179	0.1156	-0.1133
C-Raf_pS338	-0.0154	0.0031	0.0067	0.1279	-0.2444	-0.2503
FGFR2	-0.1109	0.0057	-0.0053	0.0721	-0.0673	0.0479
Atg4B	-0.0224	0.0101	0.0135	-0.0697	-0.0491	0.0286
PEA-15	0.0405	-0.0848	0.1219	0.0190	-0.1967	-0.0037
PAX8	0.0190	-0.0179	-0.0119	-0.0073	0.0087	0.0360
DNMT1	0.0735	-0.0027	0.0031	-0.0087	-0.3579	0.0654
FOXM1	0.0102	-0.0225	-0.0501	0.0300	-0.0506	0.0690
CD49b	0.0025	0.0117	-0.3919	-0.0052	0.0489	-0.0402
GGPS1	0.0133	-0.0065	0.0070	-0.0154	0.0080	-0.0039
GAPDH	0.0457	-0.2119	0.1104	-1.4668	-0.0617	0.0697
MAPK_pT202_Y204	0.1041	-0.0548	-0.0476	-0.0612	0.0444	0.6946
SGK3	-0.1802	0.0067	0.0028	0.0973	-0.0612	0.0065
NQO1	0.0070	-0.0194	-0.1877	-0.1440	0.0834	0.1665
PERK	-0.0174	-0.0072	0.0060	0.0401	0.0253	-0.0260
Calnexin	-0.2409	0.0088	-0.0084	0.1058	0.0573	-0.1161
FABP5	0.0242	-0.0138	-0.0031	0.1548	-0.0002	-0.0024
Rab25	-0.0164	0.0041	0.0798	-0.0253	0.0202	-0.0154
Syk	0.6824	-0.0322	0.0326	-0.3882	0.2995	-0.0455
DDB-1	0.0758	-0.0452	0.0483	-0.0284	0.0011	0.0036
SCD	-0.0315	0.1360	-0.1951	0.0262	-0.0568	0.3877
SHP-2_pY542	0.0425	0.0417	-0.0592	-0.1305	0.0173	-0.0126
Cyclin-E1	0.0964	-0.0842	-0.1380	0.0755	0.0339	-0.0291
VHL	-0.0549	-0.0192	0.0407	0.0600	0.0151	-0.0143
CRABP2	0.0302	0.0411	-0.0295	0.0231	-0.0203	-0.0360
CD68	0.0123	0.0223	-0.0195	-0.0462	0.0120	-0.0073
WTAP	0.0260	-0.1035	0.2129	0.0302	-0.0273	-0.1491
Enolase-2	0.0109	-0.0411	0.0231	0.0027	0.0001	-0.1719
GSK-3a-b_pS21_S9	0.1149	0.0539	-0.0638	-0.0458	-0.0072	0.0119
DUSP4	0.0324	-0.0146	-0.0465	-0.0162	0.0391	0.0230
GCLC	0.0386	-0.2371	0.4559	-0.0440	0.1018	-0.5373
XPA	0.0240	0.0001	-0.0719	-0.0346	0.1233	0.0083
p38-MAPK	-0.1142	0.1019	0.2455	0.1850	-0.1403	-0.2459
Raptor	-0.0006	-0.0117	0.0405	-0.0351	0.0200	-0.0156
GRB2	-0.0372	0.0560	0.0543	-0.0104	0.0133	-0.0120
Stat3_pY705	-0.0694	0.0369	-0.0183	-0.0152	0.0151	0.0378
Tyro3	0.0087	0.1016	-0.0375	-0.0621	-0.0247	0.0325
PAX6	0.0301	-0.0044	-0.1775	0.0245	0.0003	-0.0093
Lck	0.0138	-0.0709	0.2061	0.0269	-0.0952	-0.0115
HER3	0.2189	0.2208	-0.2204	0.2356	-0.2693	-0.3249
HNRNPK	-0.0155	0.0365	0.0041	0.0298	-0.0205	-0.0587
GSK-3B	0.0008	-0.0131	0.0566	-0.0613	0.0613	-0.0703
Smad1	0.0393	-0.0090	-0.1287	0.0155	0.0423	-0.0273
PLC-gamma1_pS1248	0.0386	-0.0048	-0.0218	0.0113	0.0645	0.0001
MSH2	-0.0346	-0.0001	0.1075	0.0066	-0.0720	0.0164
GRB7	-0.0085	-0.0038	-0.0198	0.0169	0.0351	-0.0339
CD29	0.0382	0.0125	-0.0277	-0.0477	0.0135	-0.0042
PARG	-0.0449	0.0596	-0.0646	0.0396	0.0484	-0.0311
4E-BP1_pT37_T46	0.0715	-0.0850	0.0953	0.0564	-0.1017	-0.0411

MRAP	-0.0084	0.0122	-0.0030	-0.0549	-0.0226	0.0239
Ezh2	0.0415	0.0062	-0.0304	0.0003	-0.2545	0.0534
MDM2_pS166	0.0090	-0.0013	0.0017	0.0094	-0.0459	0.0055
Oct-4	0.0672	-0.0014	-0.0114	-0.0775	-0.0027	0.0402
RIP3	-0.0565	0.0706	0.0335	-0.0651	-0.0340	0.0387
Gys_pS641	0.0361	-0.0061	0.0066	-0.0371	-0.0131	0.0337
LC3A-B	-0.1380	-0.2222	0.1809	0.1326	-0.1648	0.2219
MMP2	-0.0180	0.0148	-0.0264	0.0127	-0.0223	0.0190
DDR1	0.0408	-0.0119	-0.0358	0.0184	0.1120	-0.6800
PI3K-p85	0.0854	0.0068	-0.0730	-0.1771	-0.0110	0.0368
FTO	0.0133	-0.0020	-0.2897	-0.0866	0.0173	0.0103
Complex-II-Subunit	0.0294	-0.0199	0.0203	-0.0337	0.0294	-0.0164
EVI1	-0.0205	0.0518	-0.0708	0.0151	0.0297	-0.0071
Vinculin	0.0593	-0.0806	0.1270	-0.0647	0.0937	-0.1011
Aurora-B	0.0853	-0.1260	-0.0297	0.0574	0.0044	0.0003
MERIT40_pS29	-0.0089	0.0987	-0.0196	0.0035	0.0121	-0.0276
PRMT1	0.0701	-0.0441	-0.0488	-0.0452	0.0399	0.1023
Tau	0.3797	0.2661	-0.2984	0.0011	-0.1063	0.0142
NAPSIN-A	-0.0205	0.0651	-0.0023	0.0097	0.0097	-0.0408
MITF	-0.0520	-0.0184	0.1142	0.0768	0.0142	-0.3204
Akt2_pS474	0.0471	0.1593	-0.2325	-0.5014	-0.0631	0.0998
Akt1_pS473	0.0040	0.0223	-0.0160	-0.0705	-0.0200	0.0351
DM-Histone-H3	-0.0121	0.0537	-0.0035	0.0067	-0.0288	0.0114
Cox-IV	-0.0908	0.0516	0.1210	-0.0542	0.0135	-0.0088
Glucocorticoid-Receptor	0.0093	-0.0216	0.5035	-0.2032	0.3216	-0.0917
FAK	-0.0109	-0.0988	0.0009	0.0065	0.0019	-0.0462
CD38	-0.0892	0.1104	-0.0620	0.0174	-0.0146	0.0971
AR	-0.0603	-0.0068	0.0108	0.0634	0.0027	-0.0466
ADAR1	0.0432	-0.0403	-0.1260	-0.1173	0.0361	0.1303
Transglutaminase	0.3232	-0.3027	-0.2285	-0.1751	0.1779	0.2580
Lasu1	0.0675	-0.0769	-0.0443	0.0402	-0.0345	0.0392
DNA_POLG	-0.0151	-0.1007	0.0280	0.1012	-0.0009	-0.0668
RSK1	0.0078	-0.0085	0.0089	-0.0388	-0.0773	0.0506
PMS2	-0.0329	-0.0021	0.0259	0.0086	-0.0186	0.0515
MACC1	-0.0206	-0.2303	0.2555	0.3410	-0.0142	0.0171
Pyk2_pY402	-0.1762	0.0365	-0.0360	-0.1324	0.0471	0.0783
p38-MAPK- pT180_Y182	-0.0585	0.0462	-0.1497	0.1470	0.0642	-0.1685
S6_pS240_S244	0.1624	-0.4324	0.3246	-0.4706	-0.0366	0.0413
p27_pT198	0.0363	0.0099	-0.1575	-0.0137	-0.0140	0.0326
Collagen-VI	0.0635	-0.0188	-0.1807	-0.0819	0.0146	0.0937
CRABP1	-0.0458	0.1351	-0.1157	0.0330	-0.0302	0.1345
PAICS	-0.4337	-0.2521	0.6530	0.7201	0.0731	-0.0684
mTOR_pS2448	-0.0155	-0.0345	0.1578	0.0102	0.0826	-0.1554
INPP4b	-0.0598	-0.0193	0.3957	0.0572	0.0151	-0.0175
Merlin	-0.0204	0.0080	0.1626	-0.0619	-0.0354	0.1093
Gli3	-0.1613	0.0789	-0.0752	0.0825	-0.1800	0.1604
CD134	-0.0164	0.0236	-0.0083	0.0106	-0.0078	0.0226
HLA-DR-DP-DQ-DX	0.0195	-0.0356	0.0182	-0.0057	0.0085	-0.0418
B-Raf_pS445	-0.0163	-0.0133	0.0049	-0.0576	0.0817	0.0223
N-Ras	-0.0245	0.0191	-0.0338	0.0191	-0.0381	0.0246
p70-S6K1	0.0147	-0.0347	0.0362	-0.0464	0.0285	-0.0181

ENY2	0.0941	0.0319	-0.0595	0.0173	-0.0292	-0.0019
XPF	-0.0047	0.0977	-0.0067	-0.0184	-0.0388	0.0633
Rheb	0.6576	-0.8928	0.8341	-0.0609	0.0637	-0.3695
Connexin-43	-0.2985	0.3659	-0.0917	0.3807	-0.0890	0.0937
PKCa	-0.3207	0.3313	0.2202	0.2445	-0.2235	-0.2195
Gys	-0.0044	-0.0778	0.0127	0.0198	-0.0115	-0.0260
AceCS1	0.0723	-0.0312	-0.0362	-0.0119	0.0578	0.0272
PKM2	-0.0339	0.0216	0.1139	-0.0679	0.1498	-0.1449
p38-a	0.0893	0.0326	-0.0322	0.0900	-0.0395	-0.0586
ACSL1	0.1164	-0.0337	0.0121	-0.1344	-0.0154	0.1066
Aurora-A	0.0987	-0.0335	-0.0034	0.0073	-0.0045	0.1777
VASP	0.0146	0.0506	-0.0635	-0.0199	0.1892	-0.0354
CDK1_pT14	-0.5758	-0.0314	0.0469	0.0379	-0.3554	0.1707
ACLY_pS455	0.0026	-0.0090	-0.0849	-0.0560	0.0048	0.0179
FOXO3	-0.0632	0.0515	0.0448	0.0533	-0.0481	-0.0549
SOX7	0.0353	0.0090	-0.0228	-0.0115	0.0048	-0.0001
XIAP	0.0066	-0.0392	0.0714	0.0186	-0.0158	-0.0188
HMHA1	-0.0244	0.0948	-0.0008	-0.1014	-0.0024	0.4477
AMPKa	0.1287	-0.0300	0.0236	-0.0163	0.0716	-0.0205
VEGFR2_pY1175	-0.1060	0.0604	-0.0057	0.0210	0.0016	0.0031
FRS2-alpha_pY196	-0.0161	0.0772	-0.1212	0.1413	-0.0786	0.0126
Stathmin-1	0.0234	-0.0277	-0.0585	0.0342	0.0261	-0.0622
Cox2	0.0290	0.0199	-0.0849	-0.1300	0.0132	-0.0085
Akt1	0.0114	-0.0426	0.0585	-0.0278	-0.0169	0.0217
RRM2	0.0612	-0.0350	0.0017	0.0057	-0.0429	0.1756
SHP2	-0.0754	0.0777	-0.0070	0.0707	-0.0139	0.0163
PAK1	0.0625	0.0071	-0.0066	-0.0275	0.0655	-0.0337
Cyclin-B1	0.0238	-0.0289	-0.0544	0.5907	0.0248	-0.2843
GATA3	0.1356	-0.0045	-0.0456	-0.0505	0.0004	0.0434
TTF1	-0.0035	0.0168	-0.0080	-0.0707	-0.0139	0.0405
p90RSK_pT573	-0.2574	0.2364	0.0520	0.1086	-0.3196	-0.0428
DAPK1_pS308	0.1115	-0.2395	0.1932	0.0186	-0.0157	-0.1482
ATP5A	0.0274	-0.4899	-0.0226	0.0300	-0.2923	0.0691
b-Catenin	0.3741	0.0537	-0.6353	-0.9413	0.1377	-0.0454
ACC1	-0.2855	-0.0782	0.2478	0.1542	0.0741	-0.0983
KAP1	0.0315	-0.0044	-0.0415	-0.0806	0.0003	0.0143
TUFM	-0.0673	-0.1079	0.1917	0.3024	0.0514	-0.1183
PLC-gamma2_pY759	-0.1348	0.1308	0.0924	-0.0037	-0.0476	0.0190
IMP3	-0.0584	0.0401	-0.0338	0.0631	-0.0821	0.0430
Rictor_pT1135	-0.0513	0.0394	0.0051	-0.0586	-0.0053	0.0100
Bak	0.1545	-0.0427	-0.3606	0.0492	0.1465	-0.1937
mTOR	0.0211	-0.0836	0.1020	-0.0265	0.0892	-0.1386
JNK_pT183_Y185	-0.0352	0.1654	0.0238	0.1864	-0.0419	-0.1461
ULK1_pS757	-0.0336	0.0568	0.0222	-0.0437	-0.0514	0.0747
eIF4E	-0.1235	0.0171	-0.0167	-0.1123	0.0281	0.0504
Chk2	0.1977	-0.1148	-0.1423	-0.0800	0.0828	0.1009
UBQLN4	-0.0039	0.0128	-0.0392	0.0000	0.0028	-0.0120
MR1	0.0164	0.0304	-0.0365	-0.0256	-0.0115	0.0162
PYGM	0.0244	-0.0003	-0.0398	0.0038	-0.0035	0.0087
Rad51	-0.0061	0.0033	-0.0028	0.0183	-0.0272	-0.0147
D-a-Tubulin	-0.0299	0.0503	0.0184	-0.0237	-0.0465	0.0583

EGFR	-0.1145	-0.0090	0.3205	0.0722	-0.0692	0.0173
Chk1	-0.0013	0.0344	-0.0471	-0.0129	-0.0147	0.0562
CD45	0.0615	-0.0409	0.0262	0.0029	-0.0075	0.0122
S6	0.2559	0.0933	-0.0955	-0.0869	0.2789	-0.1519
YB1_pS102	0.0000	-0.0588	0.0547	0.0947	-0.0316	-0.0034
Gab2	-0.0330	0.0933	-0.0232	0.0315	-0.0988	0.0295
PDHK1	-0.0364	0.0306	0.0216	-0.0178	-0.0094	0.0141
Glutaminase	-0.0162	-0.0490	0.0796	-0.0093	0.0002	0.0847
eEF2K	0.0214	-0.0068	-0.0285	-0.1091	0.0027	0.0350
Bax	0.1266	0.0423	-0.1902	0.0031	-0.0003	-0.1566
UGT1A	0.2957	0.0141	-0.2761	-0.2178	0.0349	-0.0057
LDHA	0.0977	-0.3283	0.0305	-0.0231	0.1237	-0.1214
Dvl3	0.1306	-0.1262	-0.0479	-0.1176	0.1451	0.0571
CDT1	-0.0119	0.1994	-0.0824	0.0066	-0.0425	0.0378
Myosin-IIa_pS1943	0.0934	-0.1011	-0.0162	-0.0529	0.0841	0.0254
CD74	0.0748	0.0696	-0.1281	-0.0713	-0.0225	0.0272
Bim	-0.0049	0.0025	-0.1583	-0.1438	0.0711	0.0058
Smac	0.1084	-0.1512	0.0448	0.1343	-0.2509	-0.0355
DNA-Ligase-IV	-0.1058	-0.0470	0.1654	0.2142	0.0428	-0.1061
MTCO1	0.0807	-0.1959	0.2062	-0.0861	0.1109	-0.0846
p27_pT157	0.0122	0.0010	-0.0006	0.0322	-0.0298	-0.0104
SLC1A5	0.0061	-0.2501	0.1750	0.1386	-0.0221	-0.0377
Cadherin-6	0.0085	-0.0208	0.1178	0.1508	-0.0901	-0.0476
cdc25C	0.0760	-0.0170	-0.0831	-0.0554	0.0129	0.0844
Enolase-1	-0.0780	-0.0421	0.0975	0.1194	0.0380	-0.3432
MERIT40	0.0208	-0.0516	0.0012	-0.0953	0.0132	0.0081
PREX1	-0.1680	0.1334	-0.0136	0.0218	0.0103	-0.2008
Bad_pS112	0.0057	-0.0642	0.0217	0.0231	-0.0202	-0.0819
ER-a	0.0202	0.2101	-0.0667	0.1278	-0.0362	-0.0300
PI3K-p110-b	-0.0090	0.0220	-0.0025	0.0570	-0.0305	-0.0516
FoxO3a_pS318_S321	-0.0036	0.0207	-0.0094	-0.0126	0.0386	0.0001
NDUFB4	-0.0095	0.0075	-0.0034	0.0041	-0.0652	0.0271
ASNS	-0.0742	-0.2019	0.4201	0.4160	-0.0963	0.0708
cdc2_pY15	0.0761	0.0459	-0.0454	-0.1128	-0.0907	0.1786
AMPK-a2_pS345	-0.0335	0.0123	0.0764	-0.0058	-0.0195	0.0435
DYRK1B	0.0377	0.0192	-0.0505	-0.0269	0.0104	-0.0057
Rad23A	0.0077	0.0522	-0.1627	-0.1999	-0.0173	0.0220
BMK1-Erk5_pT218_Y220	0.0214	-0.0349	0.0375	0.1086	-0.0374	-0.1137
TRIM25	-0.1582	-0.0773	0.2198	0.0838	0.2557	-0.1886
PARP	0.0640	-0.0134	-0.0117	-0.0520	0.0085	0.1429
4E-BP1_pS65	0.0473	-0.3217	0.3727	0.1825	-0.0633	-0.2441
FGFR1	-0.0911	0.0653	-0.0113	0.0830	-0.0801	0.0206
Bcl-xL	-0.0240	-0.1966	0.0337	0.0252	0.0080	-0.1400
VHL-EPPK1	0.1089	0.0256	-0.2236	-0.2047	-0.0027	0.0074
Paxillin	0.0076	-0.0304	-0.0190	-0.1116	0.0650	0.0578
Bedlin	-0.0327	0.0043	0.0123	0.0465	-0.0408	0.0040
Chk1_pS345	0.1062	-0.0571	-0.0120	0.0053	0.0692	0.0100
ACC_pS79	0.2175	-1.1031	-0.0407	0.0481	0.1500	-0.7025
HSP27_pS82	0.0147	-0.0812	-0.0086	0.0544	0.0054	-0.2084
H2AX_pS140	0.0024	-0.0718	0.0274	0.0342	-0.0184	-0.0278
53BP1	-0.0469	-1.9282	0.2355	0.0416	0.1668	-1.2666

Creb	-0.0114	-0.0259	0.0952	0.0430	-0.0045	-0.0155
Midkine	-0.0912	-0.0175	0.1399	0.1551	0.0134	-0.0606
Sox2	-0.1926	0.0104	0.0528	-0.0855	-0.0145	0.0397
IGFRb	0.4952	0.0285	-0.0281	0.5409	-0.0742	-0.2047
14-3-3-epsilon	-0.1006	0.0622	0.0488	0.1118	-0.0521	-0.1204
Chk1_pS296	-0.0703	0.0683	0.0081	-0.0745	-0.0113	0.1571
PCNA	0.0923	-0.0698	0.0205	-0.0934	0.0904	-0.0112
EGFR_pY1173	0.1964	-0.3214	0.1352	0.0167	-0.0138	-0.1290
Rb	0.0209	-0.1338	0.0445	0.0756	-0.0368	-0.1807
MLH1	0.0668	-0.1286	0.6566	0.5162	-0.0828	-0.0825
Caspase-3-cleaved	-0.0217	0.0156	0.0103	0.0659	-0.0311	-0.0064
PEA-15_pS116	0.0033	0.0797	-0.0569	0.0714	-0.0193	-0.0694
Atg7	0.0423	0.0087	-0.0083	-0.0111	0.0953	-0.0127
YES1	-0.0137	-0.0008	0.0013	0.0341	0.0077	-0.0389
Pdcd4	-0.2600	0.5030	0.1742	0.7490	-0.4817	-0.1649
XBP-1	0.0973	-0.2038	0.6628	0.5409	-0.1290	-0.1007
MIF	-0.6339	0.0741	0.1473	-0.0398	0.0426	-0.2267
Aurora-ABC_pT288_pT232_pT198	-0.1891	0.0065	0.0203	0.0000	-0.1282	0.0246
VEGFR-2	0.0438	-0.0166	-0.2029	-0.1880	0.0124	0.0755
Snail	0.4314	-0.0297	-0.2273	-0.2991	0.2592	0.0380
Histone-H3	0.1142	-0.0182	-0.1333	-0.1564	0.0140	0.0425
UQCRC2	-0.1372	0.1031	0.0282	0.0997	-0.0324	-0.0189
PHLPP	-0.0133	-0.0097	0.0449	0.0079	-0.0569	0.0477
b-Catenin_pT41_S45	-0.0123	-0.0001	-0.0064	0.0113	0.0008	-0.0238
FGF-basic	-0.0657	-0.0660	0.1004	0.0770	0.0497	-0.1065
Granzyme-B	-0.0603	0.1275	0.0489	-0.2208	-0.1088	0.6164
PIP4K2A	-0.1407	0.0666	0.1130	0.2026	-0.1934	-0.0582
BCL2A1	0.0539	0.0774	-0.1264	0.2838	-0.1319	-0.0574
HER3_pY1289	0.0199	-0.1555	0.0519	0.0017	0.0011	-0.1359
PDHA1	0.0349	-0.0750	-0.0053	0.0160	0.0021	-0.0410
PI3K-p110-a	0.0167	0.1567	-0.0450	0.2008	-0.1202	-0.0202
CD2	0.0195	0.0544	-0.0506	0.0001	0.0023	0.0024
4E-BP1	0.0783	-0.0939	0.0397	0.0095	-0.0224	0.0058
ATP5H	0.0443	-0.0019	0.0023	-0.0244	-0.0171	0.1140
Jagged1	-0.0381	0.0231	0.0449	-0.0166	-0.0292	0.0552
VAV1	-0.0302	-0.0291	0.8315	1.0127	0.0126	-0.0079
Hif-1-alpha	-0.0232	0.0034	0.0593	0.0798	-0.0076	-0.0117
HSP60	-0.1210	0.0024	0.1211	0.1029	-0.0066	-0.0484
PKC-b-II_pS660	-0.1444	0.0356	0.0685	-0.0389	-0.0397	0.0802
TFAM	-0.0987	0.1323	-0.0194	0.0268	0.1440	-0.1032
c-Myc	0.1889	0.0478	-0.3518	-0.0273	-0.0439	0.0426
Caspase-7-cleaved	0.0083	0.0870	-0.1242	0.1256	-0.0243	-0.0847
Src_pY416	-0.0403	0.2147	-0.1978	-0.1074	0.1171	0.0368
MTSS1	-0.0150	0.0454	-0.0287	0.0097	-0.0343	0.0124
YAP_pS127	0.0849	0.0260	-0.1113	-0.0901	0.1545	-0.0177
PRC1_pT481	-0.0210	0.0592	0.0096	0.1834	-0.0912	-0.0018
Rad50	0.0241	-0.0384	0.0468	-0.0294	0.0705	-0.0296
WIPI1	0.1345	-0.0321	-0.1153	-0.1342	0.0345	0.0405
Ets-1	-0.0267	0.1289	-0.2085	-0.2077	0.0107	0.0298
IRF-3	0.0295	0.0035	-0.0357	0.0030	0.0577	-0.0859
TRAP1	-0.0505	-0.0300	0.5401	0.6414	-0.0789	0.0383

Caveolin-1	0.0410	0.1604	-0.1557	-0.0464	0.1574	-0.1236
CHD1L	0.0516	-0.0105	-0.0235	-0.0120	0.0063	0.0359
Hexokinase-I	-0.0442	0.0615	0.0145	0.1208	-0.0567	-0.0052
Slfm11	0.0283	-0.2808	0.2584	0.1341	-0.0443	-0.1612
Elk1_pS383	0.0517	0.0175	-0.1537	0.0567	-0.0217	-0.0874
PLC-gamma1	-0.0013	-0.1645	0.5465	0.5465	-0.0428	-0.0022
TROP2	-0.0375	-0.0838	0.3104	-0.1225	0.2131	0.0340
HLA-DQA1	-0.0011	0.0064	-0.0510	-0.0632	-0.0106	0.0162
RRM1	-0.0122	0.0750	-0.1119	-0.0725	-0.0038	0.0525
Puma	0.0195	0.0036	-0.1194	-0.1723	-0.0077	0.1204
MEK2	0.0347	-0.0021	-0.0203	0.0086	0.0122	-0.0022
Mitofusin-2	0.1940	-0.0151	0.0155	-0.0418	0.2143	-0.0169
CD171	-0.1172	-0.1348	0.3522	0.3738	0.1012	-0.4848
SF2	0.0025	0.0448	-0.0816	-0.0309	-0.0185	0.0294
B7-H4	-0.0693	0.0295	0.0109	-0.0035	-0.0801	0.0394
Akt_pT308	-0.0433	0.0276	-0.0014	-0.0650	0.0502	0.0107
PRAS40_pT246	0.0471	-0.2390	0.2149	0.3692	-0.0630	-0.3637
Notch3	-0.0085	0.0322	-0.0133	0.0056	-0.0028	0.0030
Annexin-I	-0.0053	-0.0314	0.1188	0.0951	-0.0107	-0.0194
ZAP-70	-0.0058	0.0650	-0.0142	0.0005	-0.0234	0.0580
Caspase-8	0.1592	-0.0408	-0.1123	-0.1902	0.1132	0.0491
GATA6	-0.1901	0.1094	0.0599	-0.0525	-0.1227	0.1901
N-Cadherin	-0.0263	-0.0308	0.0886	0.0605	-0.0662	0.0228
PAK_pT423_T402	-0.0325	-0.0279	0.0306	0.0271	0.0238	-0.0900
Tuberin_pT1462	-0.0772	0.1073	-0.0431	0.0642	0.0399	-0.1346
YTHDF2	-0.0109	-0.0513	0.3854	0.3455	-0.0051	-0.0538
Src	-0.1214	-0.1038	0.3488	0.2392	0.0996	-0.1781
p53	-0.0932	0.0261	0.0119	-0.0524	-0.0116	0.0163
B7-H3	-0.4056	0.1524	0.1135	-0.1136	-0.0059	0.0106
CDK9	-0.0040	0.0168	-0.0350	0.0024	0.0004	-0.0279
IR-b	0.0077	-0.0739	-0.0028	0.0102	0.0594	-0.1293
HER2	-0.0190	-0.1711	0.5241	0.4493	-0.0927	0.0156
Rab11	-0.0526	0.0457	0.0145	-0.0011	-0.0094	0.0141
PDH	-0.0156	0.0041	0.0034	0.0072	-0.0044	-0.0099
Porin	0.0318	0.0171	-0.0725	-0.0374	-0.0213	0.0302
METTL3	0.0023	0.0436	-0.0720	-0.0439	-0.0183	0.0309
PD-L1	-0.1975	0.2806	0.0437	-0.0363	-0.1173	0.2596
PRAS40	0.0159	0.0486	-0.0597	0.0017	-0.0142	0.0136
Patched	-0.0188	0.0184	0.0074	-0.0200	-0.0136	0.0430
HES1	-0.1376	0.0253	0.0518	-0.0588	-0.0050	0.0097
FN14	0.1346	-0.0530	-0.0743	-0.1517	0.0488	0.1004
JNK2	0.1388	0.2871	-0.8216	0.4426	-0.7428	-0.1423
CD5	0.0333	0.0343	-0.0603	0.0000	-0.0089	0.0136
Ambra1_pS52	0.0599	-0.0371	-0.0161	0.0298	0.0129	-0.0381
XRCC1	-0.0665	0.2188	-0.0669	0.0856	-0.0509	0.0556
c-IAP2	0.0322	-0.0790	0.0329	-0.0614	0.0700	-0.0236
CDKN2A	-1.0431	0.2940	0.4753	0.2501	-0.2808	-0.2347
Shc_pY317	0.1543	0.3053	-0.8832	0.5632	-0.8241	-0.1578
S6_pS235_S236	0.0111	-0.1261	0.1900	-0.0164	0.1414	-0.0503
U-Histone-H2B	0.0437	-0.0070	-0.0237	-0.0356	0.0029	0.0458

	OV7					
	DMF/MCT	DMF/MCT	DMF/MCT	6 uM Broad Spectrum CBD	6 uM Broad Spectrum CBD	6 uM Broad Spectrum CBD
Wee1	0.0727	0.0900	-0.0565	0.0238	0.0171	-0.0102
ATM	0.2639	0.2146	-0.0423	0.0630	-0.0658	-0.0448
LCN2	0.0056	-0.0397	0.0307	0.0130	-0.0050	0.1001
Lyn	0.1382	0.0008	0.0763	0.0237	-0.1139	-0.1392
CENP-A	0.0404	0.0213	0.0425	-0.3586	-0.0153	-0.1229
ERCC5	0.0718	0.0276	-0.1060	-0.1220	-0.0216	0.0998
Glutamate-D1-2	0.0991	-0.0526	-0.1270	0.1531	-0.2026	0.0508
Grp75	-0.0008	-0.0150	0.2499	0.2613	-0.1351	-0.2250
RIP	0.0414	0.0975	-0.0261	0.0468	-0.0699	-0.1311
IRF-1	0.0330	0.0372	-0.0166	-0.1776	0.0188	-0.2501
G6PD	0.0142	0.0224	0.0867	-0.0489	-0.0366	-0.0214
E2F1	0.0239	0.0593	-0.0435	0.1330	-0.0745	-0.0711
SOD2	0.1271	-0.0363	0.0083	0.2304	-0.1573	-0.0139
ERCC1	0.0295	-0.0727	0.0517	-0.0875	-0.0290	0.1007
Folliculin	-0.0203	-0.0052	0.0181	-0.3604	0.1393	0.0034
eIF4G	0.0533	0.1253	0.1534	-0.1212	-0.0528	-0.0794
S100A4	0.0239	0.0174	0.0650	-0.1615	-0.0161	-0.0192
ALKBH5	0.2276	0.1472	0.0398	-0.5305	-0.0377	-0.5804
c-Abl_pY412	-0.0051	-0.0107	0.0531	-0.5676	-0.0193	0.0215
Cyclin-D1	0.0086	-0.0146	0.0004	-0.1264	-0.0057	0.0593
RPA32_pS4_S8	-0.0175	0.0230	-0.0427	0.0754	0.0181	-0.0644
CREB_pS133	0.0873	0.1396	0.1937	-0.3295	-0.0868	-0.1178
PKA-a	0.7856	-0.0341	-0.1933	0.2045	-0.1549	0.0323
Synaptophysin	0.0811	0.0256	0.1686	-0.0011	-0.1212	-0.0466
HSP70	0.0039	-0.0197	-0.0456	0.1077	0.0309	-0.0302
p21	0.0083	0.0150	0.1065	-0.0317	-0.0096	-0.0155
YTHDF3	0.0155	0.0168	0.0181	-0.2856	-0.0109	-0.1448
ATM_pS1981	-0.0121	-0.0773	0.5706	0.2975	-0.0329	0.0049
RBM15	-0.0506	0.0348	0.0996	-0.2197	-0.0307	0.1068
MEK1	-0.4502	0.3825	0.1572	0.0126	0.0283	-0.1549
FANCD2	0.0192	-0.0350	0.0735	-0.0259	-0.0439	0.0827
FASN	0.0968	0.0128	0.4041	-0.9066	-0.0069	-0.2569
Rb_pS807_S811	0.0901	0.1011	-0.0997	-1.1232	0.1018	-0.6645
PAR	-0.1347	0.9598	0.9241	-0.1250	-0.3035	0.1275
Notch1	0.0001	-0.0185	0.0741	-0.0989	0.0005	0.0163
SOD1	-0.0454	-0.0786	-0.0790	0.2154	0.0460	0.0579
Stat5a	0.0790	0.0917	-0.0111	-1.9464	0.0132	-0.3104
Myt1	0.0012	0.1241	-0.0828	0.1550	-0.0007	-0.1593
eIF4E_pS209	0.0181	0.0641	-0.0161	-0.0211	0.0182	-0.0753
PKC-a-b-II_pT638_T641	0.0529	0.2332	-0.4228	-0.3243	0.0797	-0.0601
ATR_pS428	-0.1381	0.1541	0.0176	0.0031	0.0569	-0.0994
Sox17	-0.0449	-0.0086	0.1174	0.1240	-0.0328	0.0068
TSC1	0.0341	-0.0088	-0.0374	0.0701	-0.0435	0.0070
BRD4	0.1487	0.0328	-0.0470	-0.6037	0.0905	-0.6027
DJ1	0.1643	0.0235	-0.0377	0.1171	-0.1092	-0.2105
Akt2	0.0071	0.0666	-0.0006	-0.0735	0.0027	-0.1336

CD44	0.2091	0.0616	0.1838	-0.3081	-0.1517	-0.0634
YAP	-0.0762	-0.3359	0.0565	-0.5354	0.1084	0.2051
c-Jun_pS73	-0.0091	0.0509	0.3519	-0.0227	-0.0853	0.0018
Erk5	0.0026	-0.0184	0.5507	-1.6481	-0.0139	0.2645
IRS1	0.0211	-0.0529	0.3728	0.5809	-0.5262	-0.0283
EphA2_pS897	-0.2179	0.4186	0.3391	0.0505	-0.0712	-0.0174
CIITA	0.0099	-0.0008	-0.0139	0.0263	0.0006	0.0068
PHGDH	-0.0052	-0.0101	-0.1968	0.0549	0.0161	-0.1434
Src_pY527	-0.0292	0.1566	0.1384	-0.8688	0.0298	-0.3643
ZEB1	0.1478	0.2140	0.2304	-0.1506	-0.1569	-0.1550
Cyclin-D3	-0.2082	0.4901	0.5495	0.2273	-0.2122	-0.3260
MSI2	-0.0017	0.0370	-0.0179	-0.1869	0.0226	-0.0272
Cdc6	0.0223	-0.0381	0.3395	-0.4996	-0.1070	0.0494
IDO	-0.0095	-0.0739	0.2198	0.1645	-0.0439	0.0022
EphA2_pY588	0.0534	-0.0348	0.1392	-2.5002	0.0303	-0.0157
NF-kB-p65_pS536	0.2448	0.2655	-0.1886	-0.1572	0.0877	-0.0732
ATR	-0.0752	-0.1354	-0.0172	0.2066	0.0193	0.0403
P-Cadherin	-0.0016	0.0282	-0.0321	-0.0380	0.0195	-0.0050
p70-S6K_pT389	-0.0068	0.0601	-0.2738	-0.3634	0.0074	0.0177
Wee1_pS642	0.0961	0.1033	0.0010	-0.2289	0.0011	-0.0883
Akt	0.1012	0.1138	0.0731	-0.2514	-0.0710	-0.3747
Hexokinase-II	0.2474	0.0781	-0.0747	-0.2944	0.0768	-0.5189
Melanoma-gp100	-0.0469	-0.0915	0.0288	0.1495	-0.0363	0.0397
CtIP	0.0204	-0.0047	0.0847	-0.4169	-0.1240	0.0029
IGFBP2	-0.2237	0.0607	0.0006	0.0201	0.1300	-0.1929
Stat1_pY701	-0.0040	-0.0296	-0.0057	0.0267	-0.0549	0.0064
CD20	0.0296	-0.0454	0.1348	-0.2283	-0.1222	0.0926
TRIM24	-0.0009	-0.0776	0.0292	-0.0570	0.0014	0.1029
CA9	-0.0448	-0.0127	-0.0343	0.0372	0.0416	0.0151
ERRalpha	-0.0384	0.0226	0.1283	-1.5945	0.0742	-0.4518
PGM1	0.0990	0.0473	-0.0448	-0.4262	0.0470	-0.0541
CD31	-0.0509	-0.0004	0.1068	-0.7151	0.1504	-0.0014
UBAC1	-0.0582	0.0630	0.0385	-0.0827	-0.0510	0.0676
BRCA1	-0.0054	-0.0247	0.0109	0.0245	0.0054	0.1294
DDR1_pY513	-0.0056	-0.0102	0.0210	-0.1507	-0.0682	0.0385
PIP4K2B	-0.0168	-0.0012	0.0291	0.0914	0.0072	-0.0522
Folate-Binding-Protein	-0.0904	-0.0122	0.0740	0.0793	0.0182	-0.0037
TFRC	-0.0337	0.1878	0.0141	-0.2393	-0.0217	0.0289
PDK1_pS241	0.2706	0.2246	0.0888	-0.0681	-0.1833	-0.4598
JAB1	-0.0281	-0.0835	-0.0286	0.2844	0.0286	0.1787
Annexin-VII	0.0099	0.0210	-0.1171	0.1195	-0.0094	-0.1104
c-Kit	0.4572	0.4617	-0.6877	0.0202	0.0206	-0.3296
CD4	-0.0087	0.0556	0.1287	-0.4914	0.0081	0.0015
DM-K9-Histone-H3	-0.0064	-0.0098	0.0258	-0.1199	0.0114	0.0031
Rab11FIP1	0.0333	0.3906	-0.0530	-0.3414	0.0689	-0.5197
MSH6	0.0635	0.2739	0.0191	-0.3182	-0.0926	-0.0248
PTPN12	0.0955	0.0741	0.1290	-0.0496	-0.1641	-0.1884
Myosin-IIa	-0.1909	0.4165	0.3502	-0.1615	0.1440	-0.1295
LRP6_pS1490	-0.0007	0.0078	-0.0438	0.0205	0.0153	-0.0007
PDK1	0.1230	0.1780	-0.0200	-0.0473	0.0221	-0.2766
PAK_pS474_S602_S560	0.1290	0.1513	0.0358	-0.2400	-0.0480	-0.0415

c-Met_pY1234_Y1235	-0.0345	-0.0657	-0.0634	0.2991	0.0350	0.0656
MYH11	-0.0561	0.0467	-0.1708	0.0588	0.0342	-0.0197
ARID1A	-0.0734	0.0557	0.0333	-0.1555	0.0853	-0.0389
H2AX_pS139	-0.0783	0.1315	-0.0611	0.0818	0.0740	-0.1421
Rictor	0.0265	0.0019	-0.0161	0.0406	-0.1313	-0.0739
UVRAG	0.0086	-0.0084	-0.0601	-0.2073	0.0439	0.0066
p27-Kip1	0.1104	-0.0493	0.0215	-0.0764	-0.0194	0.2215
TEAD	-0.0888	0.0028	0.1594	0.0622	-0.1413	-0.0046
A-Raf	0.0352	-0.1602	-0.0549	0.7652	0.1610	-0.7834
Cdc42	0.0262	0.0044	-0.0853	-0.2506	0.0134	0.0011
NDRG1_pT346	0.2081	0.1467	0.1501	-0.2427	-0.1407	-0.4606
B-Raf	0.1062	0.2216	-0.4446	-0.2948	0.0905	-0.0760
SIRP-alpha	0.2228	0.1039	-0.5556	-0.3843	0.2470	-0.1057
ATRX	-0.0591	-0.0104	-0.1195	0.1941	0.4066	0.0086
A-Raf_pS299	-0.0158	-0.1461	0.1143	-0.1442	0.0163	0.0577
MEK1_pS217_S221	0.1263	0.2117	0.0966	-0.0759	-0.1703	-0.2966
E-Cadherin	-0.0194	-0.0093	0.2708	-0.2653	0.1441	0.0075
SGK1	0.1242	0.0188	0.1200	0.0057	-0.1290	-0.0280
SDHA	-0.0090	-0.1053	-0.1324	0.4397	0.0095	0.2794
GCN5L2	-0.0679	-0.0253	-0.0761	0.3376	0.0312	0.3777
p44-42-MAPK	0.1408	0.1456	0.0128	-0.2137	-0.0107	-0.5759
MIG6	-0.1798	-0.3829	0.1160	0.2984	0.1490	-0.1216
RSK	0.0422	-0.0580	0.0906	-0.1489	-0.0777	0.1846
PLK1	0.1446	0.2692	0.5720	-0.9936	-0.1642	-0.1518
KEAP1	0.0337	0.0540	0.0900	-0.2437	-0.0332	-0.2079
MLKL	0.0124	0.0745	-0.0252	-0.0167	0.0273	-0.1393
ACVRL1	-0.0150	0.0181	0.0567	-0.4693	0.0156	-0.0478
WIPI2	-0.0245	0.0829	0.0049	-0.4948	0.0885	-0.0344
Caspase-8-cleaved	-0.0097	-0.0676	-0.0100	0.1233	0.0021	0.0394
Akt_pS473	0.2456	0.1219	0.1167	-1.4661	-0.1146	-0.3875
DUSP6	-0.1443	-0.3320	0.1247	0.7661	-0.3963	0.1486
HSP27	-0.0953	-0.1496	0.0485	0.1251	-0.0464	0.0731
HER2_pY1248	-0.0001	-0.0088	0.0920	-0.4612	-0.0282	0.0070
LAD1	0.1551	-0.0722	0.0253	-0.3137	0.3567	-0.0309
c-Abl	0.0015	-0.0131	-0.1915	0.0377	0.1897	-0.1011
TAZ	-0.0034	-0.0013	-0.0309	-0.1920	0.0468	-0.0005
Atg3	0.2665	0.1932	-0.4966	-0.3758	0.0166	-0.0021
COG3	0.0062	0.0009	-0.0699	0.0236	0.0351	-0.0329
PD-1	-0.0837	-0.0773	0.0058	0.0952	-0.0037	0.0379
AMPKa_pT172	0.1530	-0.0150	0.0008	-0.2228	-0.0573	0.1373
PTEN	0.0662	0.1081	-0.0257	-0.2147	0.0279	-0.3274
Gli1	0.0122	-0.0525	-0.0398	0.0517	-0.0037	0.0182
Bcl2	-0.1832	0.0440	0.1510	1.3765	-0.4504	-0.0458
TRIP13	0.0218	0.0835	0.1248	-0.9378	-0.0212	-0.2044
BAP1	0.0985	-0.0739	-1.8195	-0.1835	0.0798	0.2354
14-3-3-beta	0.0560	0.0161	-0.0304	0.0851	-0.1471	-0.1300
BiP-GRP78	-0.0042	-0.1031	-0.0154	-0.6449	0.0291	0.1284
CSK	-0.0353	0.0195	0.0860	-0.0445	-0.0543	0.1325
MCT4	0.1079	0.3316	-0.0194	-0.0691	0.0215	-0.0896
RPA32	0.3342	-0.0278	-0.0345	-0.1397	0.0337	0.1638
ER-a_pS118	0.0766	-0.0279	-0.0429	0.0524	-0.0341	0.1541

Axl	0.1392	0.0742	-0.1607	-0.0292	0.0701	-0.1974
Jak2	-0.0263	-0.1617	-0.1192	0.3165	0.0269	0.1471
GSK-3a-b	-0.0532	-0.0666	-0.0079	0.1694	0.0100	0.0253
eEF2	-0.1130	0.9607	0.0503	0.0544	-0.0135	-0.2713
Claudin-7	0.0447	0.0224	0.0197	-0.0231	-0.0164	-0.0924
PAI-1	0.2077	0.2309	-0.0414	0.0621	-0.0738	-0.2548
PAK4	0.1164	-0.0741	0.0038	0.0169	-0.0033	0.2975
Tuberin	0.0586	-0.0744	-0.1062	0.4417	-0.3168	0.1439
DRP1	0.2193	0.0876	-0.3068	0.0286	0.0122	-0.0163
Histone-H3_pS10	-0.0803	0.2473	0.3023	0.0338	0.0070	-0.0225
Coup-TFII	0.0073	0.0020	-0.0163	-0.2408	0.1539	-0.1806
GCLM	0.0048	-0.0565	0.0834	0.0143	-0.0350	0.0638
Smad4	-0.0645	0.0319	0.0279	-0.0088	0.0078	0.0067
DAPK2	-0.0270	-0.0001	-0.0196	0.1103	0.0060	0.0215
Atg5	0.0296	0.0387	-0.0493	-0.1292	0.2596	-0.2255
Fibronectin	0.0277	-0.0812	0.0284	0.1112	-0.0988	-0.0341
Mitofusin-1	-0.0189	0.0998	0.0331	0.0221	0.0188	-0.1298
Cyclophilin-F	0.1396	-0.0049	-0.8465	-0.5463	0.0109	0.1051
IGFBP3	0.0788	-0.0708	0.0566	-0.3782	0.1662	-0.5491
NRF2	0.0330	0.0675	-0.0527	-0.2026	0.1847	-0.0450
IGF1R_pY1135_Y1136	-0.0153	-0.0005	-0.0350	-0.5268	0.0462	0.0237
STING	0.1116	0.0587	0.0143	-0.2829	-0.0122	-0.0495
FAK_pY397	0.0073	0.0186	0.0355	-0.6405	-0.0890	-0.0145
MelanA	-0.0382	0.0193	0.1278	-0.7508	-0.0133	0.0450
Heregulin	0.1044	-0.0368	-0.0677	-1.3042	0.1000	0.0350
C-Raf	-0.0503	0.0289	0.0025	-0.1951	-0.0004	0.1192
PR	0.0002	-0.0177	0.0274	-0.2129	0.0003	0.0257
TIGAR	0.0149	-0.0406	-0.0116	0.1170	-0.0500	0.0059
b-Actin	0.3518	0.2282	0.0734	-0.0527	-0.1137	-0.2408
Chk2_pT68	-0.0011	-0.1100	-0.0749	0.2143	0.0016	0.1137
SFRP1	0.0308	0.0160	-0.0135	-0.3241	0.0156	-0.4906
IL-6	-0.0540	-0.0658	-0.0069	0.1984	0.0090	0.0532
cGAS	-0.0059	0.0066	0.0167	-0.2354	-0.0030	-0.0013
Mnk1	0.1287	-0.0401	-0.0128	0.2808	-0.0155	0.0071
Smad3	-0.0615	0.0115	-0.2595	0.3308	0.1288	-0.0133
Bid	0.0353	-0.0025	-0.0360	0.0229	0.0084	0.0132
PRMT5	-0.0537	-0.0307	-0.0333	0.1451	0.0354	0.0645
14-3-3-zeta	0.3488	0.3477	-0.7044	-0.2805	0.3214	-0.7006
IRS2	0.0670	-0.0273	0.1242	-0.2034	-0.3002	0.0255
Rad17_pS645	-0.0160	0.0868	0.0106	-0.3115	-0.0732	0.0088
Mcl-1	-0.0366	-0.1388	-0.0925	0.4336	0.0371	0.1784
MMP14	0.0605	0.1945	0.0042	-0.5023	-0.0021	-0.0603
Notch1-cleaved	0.0053	0.0023	0.0054	-0.1111	0.0036	-0.2204
Twist	-0.0078	-0.0418	-0.0305	0.0923	0.0084	0.0489
EphA2	-0.0532	0.8701	-0.3297	-0.1446	0.5257	0.0460
Stat3	-0.0601	0.0733	-0.1031	0.1017	-0.1025	0.0529
C-Raf_pS338	0.0050	-0.1042	-0.0749	0.5612	-0.0045	0.2807
FGFR2	0.0228	-0.0540	-0.0424	0.2828	-0.0391	0.0996
Atg4B	0.0361	0.0136	-0.0750	0.0567	-0.0077	-0.0434
PEA-15	-1.0215	-0.5027	-0.4005	0.7556	0.4026	0.5210
PAX8	-0.0018	0.0805	0.2602	-0.2989	-0.0682	-0.0054

DNMT1	0.1193	0.0676	0.1528	-0.7223	-0.0617	-0.2428
FOXM1	0.1142	0.1257	0.1402	-1.1612	-0.1136	-0.3862
CD49b	-0.0202	0.0044	0.3648	0.1775	-0.1197	-0.1019
GGPS1	-0.0060	-0.0755	-0.0463	0.1271	0.0065	0.0575
GAPDH	0.2412	0.3931	-0.3584	0.6943	-0.2406	-0.2732
MAPK_pT202_Y204	0.2749	0.0036	-0.0179	-1.0350	-0.0902	0.0736
SGK3	0.1201	0.0052	0.0536	-0.2493	-0.0054	-0.0070
NQO1	0.0884	-0.1042	-0.2969	0.4315	-0.5181	0.2129
PERK	-0.0141	0.0223	0.3006	-0.2321	0.0059	0.0069
Calnexin	0.1096	-0.0711	0.0317	-0.2849	-0.0296	0.1373
FABP5	0.1071	0.0528	-0.0670	-0.1491	-0.5957	0.1341
Rab25	-0.1430	-0.0143	0.0985	0.0657	0.0202	-0.1824
Syk	-0.5688	0.5530	1.6875	-3.9118	1.8874	-3.4896
DDB-1	-0.0355	0.0197	-0.0488	-0.1402	0.0903	0.0882
SCD	0.0167	-0.1201	-0.0363	0.5694	-0.0424	0.2174
SHP-2_pY542	-0.0191	0.1205	0.1374	-0.2550	0.0196	-0.0437
Cyclin-E1	0.2889	-0.0770	0.2010	-0.4959	-0.2344	0.0752
VHL	0.1984	0.1309	0.0380	-0.0404	-0.0359	-0.1753
CRABP2	-0.0370	-0.0606	0.0717	-0.4621	0.0583	0.0298
CD68	-0.0297	-0.0537	0.0101	-0.1486	0.0564	0.0245
WTAP	-0.0887	-0.2422	-0.1929	0.1078	0.1608	0.2167
Enolase-2	0.1922	0.1709	0.0272	-0.0131	-0.0251	-0.0695
GSK-3a-b_pS21_S9	0.0664	0.1508	-0.0861	0.1398	-0.1289	-0.2012
DUSP4	0.1619	0.7664	0.7500	-0.1428	-0.2749	-0.4980
GCLC	-0.0022	0.1873	-0.1586	0.0213	0.1557	-0.1324
XPA	0.0850	-0.0406	0.0263	-0.2065	-0.0608	0.1751
p38-MAPK	0.3313	0.1787	-0.0845	-0.0435	0.0843	-0.1842
Raptor	0.0203	0.0553	0.1005	-0.1912	-0.0198	-0.0291
GRB2	0.0857	0.0551	0.1464	-0.1263	-0.0491	-0.2811
Stat3_pY705	-0.0073	-0.0644	-0.0124	0.1211	-0.0921	0.0386
Tyro3	-0.0213	-0.0126	-0.0559	0.0651	0.0185	0.0679
PAX6	-0.0261	-0.2346	0.0750	0.3774	-0.1832	0.0189
Lck	0.0073	0.1249	-0.2632	0.0771	-0.0068	-0.1785
HER3	-0.3151	-0.4691	0.4756	-2.0797	0.3156	0.7966
HNRNPK	0.0186	0.0041	0.1416	-0.2017	-0.0229	-0.0059
GSK-3B	0.2354	0.0816	0.0505	-0.1885	-0.0484	-0.1421
Smad1	-0.0452	-0.1312	-0.0073	0.0524	0.0094	0.1441
PLC-gamma1_pS1248	0.0464	0.0260	-0.0395	-0.0509	-0.0700	0.0339
MSH2	0.0527	-0.0004	-0.1173	-0.2345	0.0063	0.0476
GRB7	0.0031	-0.0191	0.1072	0.0160	-0.0234	0.0546
CD29	0.0335	-0.0104	-0.0038	-0.1204	0.0451	-0.2679
PARG	-0.0321	0.0342	0.1802	-0.0106	-0.0962	0.0249
4E-BP1_pT37_T46	0.2002	0.0042	-0.0184	-0.0292	-0.0376	0.0818
MRAP	-0.0146	0.0443	-0.0637	0.1088	0.0151	-0.0235
Ezh2	-0.0456	0.6838	0.0259	-0.4001	0.0690	-0.6904
MDM2_pS166	-0.0110	0.0284	0.0142	-0.5369	0.0115	-0.1294
Oct-4	-0.1187	0.1214	-0.1184	0.2444	0.0025	0.0120
RIP3	-0.0323	-0.0208	-0.0513	0.1248	0.0298	0.0190
Gys_pS641	-0.0606	-0.0488	-0.0235	0.1519	0.0256	0.0759
LC3A-B	-0.2782	0.3950	0.1482	-0.1275	0.1889	-0.2330
MMP2	-0.0304	0.0146	0.0306	-0.0205	0.0335	-0.0215

DDR1	0.0164	-0.0387	0.2171	-0.3523	0.0259	-0.0114
PI3K-p85	0.0137	0.0530	0.0284	-0.9903	-0.0197	-0.0209
FTO	0.0279	-0.0347	-0.0185	0.1702	-0.1748	0.0129
Complex-II-Subunit	0.0074	-0.0020	-0.0054	-0.2959	0.0080	-0.1063
EV11	-0.0048	-0.0558	0.0564	0.0239	-0.0592	0.0267
Vinculin	0.5277	0.4016	0.4548	-0.3771	-0.7606	-0.5501
Aurora-B	-0.1763	0.1836	0.1567	-0.3698	0.2102	-0.7949
MERIT40_pS29	-0.0350	0.0440	0.0746	0.0541	-0.0349	-0.0384
PRMT1	-0.0093	0.3827	-0.0495	-0.0808	0.0098	0.1154
Tau	-0.2527	-0.3033	0.2618	0.3371	-0.0793	0.0938
NAPSIN-A	0.0140	-0.0298	0.0543	-0.0712	-0.0433	0.0932
MITF	0.1214	-0.0545	-0.0552	0.3379	-0.1639	0.0496
Akt2_pS474	-0.0225	0.3238	0.4201	-0.7184	0.0231	-0.1632
Akt1_pS473	-0.0164	-0.0105	-0.0559	0.0577	0.0263	0.0087
DM-Histone-H3	0.0224	0.0708	-0.0218	-0.0790	0.0239	-0.1910
Cox-IV	0.1075	0.2445	0.5730	-0.5094	-0.1070	-0.3455
Glucocorticoid-Receptor	-0.0832	0.7690	0.7737	0.1023	-0.3573	-0.1594
FAK	-0.0468	0.0581	-0.1240	0.1157	-0.0332	0.0396
CD38	0.0160	-0.0318	0.0178	-0.2608	-0.0614	0.0751
AR	-0.0174	-0.0130	0.0681	-0.1852	0.0179	0.0399
ADAR1	0.0229	-0.0031	0.0262	-0.3596	0.0091	-0.2298
Transglutaminase	0.4025	0.3294	-0.4928	0.3427	-0.5097	-0.3096
Lasu1	-0.0366	-0.2060	-0.3257	0.7901	0.0372	0.2294
DNA_POLG	0.1046	-0.0280	-0.0108	0.1399	-0.0510	0.0052
RSK1	0.1111	0.1219	0.2234	-0.2920	-0.1106	-0.6074
PMS2	0.0308	-0.0115	-0.0028	-0.2860	-0.0064	0.1334
MACC1	-0.0103	-0.0575	0.2356	-0.4816	0.0108	0.0634
Pyk2_pY402	0.0429	0.0699	-0.0432	-0.6500	0.0453	-0.3068
p38-MAPK- pT180_Y182	0.0044	-0.3768	0.2140	-0.0428	-0.0038	0.3065
S6_pS240_S244	0.0320	0.1345	0.0702	-0.6088	-0.0314	-0.4002
p27_pT198	-0.0651	-0.0519	-0.0020	0.1769	0.0041	0.1052
Collagen-VI	-0.0124	-0.0348	-0.0072	0.2836	-0.0271	0.1357
CRABP1	0.0007	-0.0165	0.1873	-0.0786	0.1396	-0.0651
PAICS	-0.8298	-0.0029	-0.6953	0.2431	0.0089	0.2504
mTOR_pS2448	0.0379	0.0465	-0.1240	0.2050	-0.0374	-0.6119
INPP4b	0.1579	0.0246	0.0510	-0.3914	-0.0187	-0.3655
Merlin	0.0261	0.2127	-0.0458	0.1368	-0.0478	-0.1045
Gli3	-0.0957	0.0060	0.0064	-0.0236	0.0103	0.0042
CD134	-0.0155	-0.0023	0.0256	-0.0113	0.0169	0.0005
HLA-DR-DP-DQ-DX	0.0950	0.0430	-0.0773	-0.0479	-0.0347	0.0493
B-Raf_pS445	-0.0016	0.0056	-0.0180	-0.0182	0.0217	-0.0116
N-Ras	-0.0062	-0.0479	-0.0135	0.2989	-0.0547	0.0336
p70-S6K1	0.0078	0.0891	-0.0684	0.1079	-0.0073	-0.0727
ENY2	0.0373	-0.1584	-0.0570	0.6642	-0.0782	0.3535
XPF	-0.0758	0.0144	0.1119	0.0102	0.0969	-0.0223
Rheb	-0.0850	1.1239	-1.2472	0.8583	-0.1055	0.0778
Connexin-43	0.0097	0.1075	0.0851	-0.6822	-0.0092	-0.7351
PKCa	-0.0133	0.1197	0.1295	0.0325	-0.2946	-0.2438
Gys	-0.2314	-0.0802	-0.0156	0.1221	0.0626	0.0100
AceCS1	0.2616	0.1671	0.0174	0.0033	-0.0754	-0.0942
PKM2	0.1019	0.4765	-0.1216	-0.1148	0.1929	-0.1252

p38-a	0.1037	0.0031	-0.3283	0.1022	-0.0986	-0.0049
ACSL1	-0.1379	-0.0258	-0.1453	0.4677	0.0318	0.2622
Aurora-A	0.1782	0.1990	0.1625	-0.4226	-0.1604	-0.5422
VASP	0.1474	-0.0865	0.0723	-0.8726	-0.2855	0.1291
CDK1_pT14	0.4660	0.3677	0.2889	-1.3851	-0.2868	-0.7894
ACLY_pS455	-0.0097	0.1439	-0.0100	-0.0462	-0.0392	0.0054
FOXO3	0.0342	0.0089	-0.0168	0.0374	-0.0250	-0.0095
SOX7	-0.0111	-0.0047	-0.0423	0.2279	-0.0123	0.0395
XIAP	0.0040	-0.0742	-0.1197	0.2120	-0.0035	0.0813
HMHA1	-1.1001	1.6548	-1.1300	0.1632	1.1296	-0.1301
AMPKa	-0.0111	0.0488	-0.0815	0.1410	-0.0349	0.0039
VEGFR2_pY1175	0.0114	0.0314	0.0746	-0.4220	-0.0642	-0.0187
FRS2-alpha_pY196	-0.0362	-0.0260	0.0226	-0.3948	0.2280	0.0242
Stathmin-1	0.0187	-0.1981	-0.1390	0.3307	-0.0182	0.0725
Cox2	0.0043	-0.0067	-0.0359	0.1540	0.0085	0.0048
Akt1	0.0633	0.1284	0.0238	-0.0031	-0.0552	-0.0599
RRM2	-0.0133	0.3313	-0.0113	0.0450	0.0134	-0.1907
SHP2	0.0117	-0.0275	0.0855	0.1912	-0.0915	-0.0195
PAK1	-0.0197	-0.1284	0.5322	0.0388	0.1607	-0.0918
Cyclin-B1	0.0767	-0.0131	0.5376	-0.2297	-0.3069	0.0113
GATA3	-0.1494	0.2692	-0.2634	0.4646	-0.0353	0.0498
TTF1	0.0571	0.1408	-0.0768	0.1808	-0.0974	-0.0939
p90RSK_pT573	0.2387	-0.0083	0.0020	-2.3897	-0.2157	0.0065
DAPK1_pS308	0.0645	0.2653	-0.4366	0.1067	-0.0639	-0.0791
ATP5A	-0.8120	0.0711	0.0510	0.1692	-0.3321	-0.0566
b-Catenin	-0.5199	0.0749	-0.2869	1.0585	-0.0690	0.1671
ACC1	0.0076	-0.0234	-0.5063	0.1836	-0.0955	0.0575
KAP1	0.1267	-0.0413	0.0270	-0.2161	0.0490	-0.3192
TUFM	0.0649	-0.0021	-0.1234	0.0266	0.0442	-0.1643
PLC-gamma2_pY759	-0.0187	0.0473	0.2702	0.0378	-0.0985	-0.0108
IMP3	-0.0129	-0.0029	0.0131	0.0234	-0.0019	0.0874
Rictor_pT1135	0.0201	0.0300	0.0312	-0.1961	-0.0862	-0.0274
Bak	-0.0121	-0.0301	0.1251	0.0256	0.0126	0.1874
mTOR	0.1146	-0.0310	-0.4031	0.0555	-0.0319	0.0471
JNK_pT183_Y185	-0.0053	-0.0397	-0.0143	0.3861	-0.0214	0.1033
ULK1_pS757	-0.0278	0.0120	0.0267	-0.0767	0.0594	-0.1441
eIF4E	0.0144	0.2159	-0.0341	-0.2260	0.1231	-0.3725
Chk2	-0.0269	-0.0180	0.0317	-0.1588	0.0239	0.2532
UBQLN4	-0.0226	-0.0657	0.0027	0.1079	-0.0006	0.0660
MR1	-0.0458	-0.0790	-0.0028	0.0871	0.0049	0.0692
PYGM	-0.0175	0.0017	-0.0946	0.2648	-0.0003	0.0455
Rad51	-0.0163	-0.0121	0.0223	0.0047	0.0168	0.0337
D-a-Tubulin	-0.0147	-0.0145	0.0011	0.0338	0.0283	-0.0349
EGFR	0.1189	0.1009	-0.1157	0.1460	-0.1432	-0.1027
Chk1	-0.0299	0.0188	0.0913	0.0490	-0.0156	-0.0181
CD45	-0.1409	-0.1505	-0.0413	0.1034	0.0434	0.1089
S6	-0.0139	0.3276	-0.0926	0.0004	0.6326	0.0067
YB1_pS102	0.0294	-0.0656	-0.1237	0.3496	-0.0289	0.0931
Gab2	0.0730	-0.0029	-0.0113	-0.1380	-0.0010	0.1745
PDHK1	-0.0096	-0.0023	-0.0523	-0.1013	0.0101	0.0087
Glutaminase	0.0296	-0.0454	-0.2837	0.1457	0.1380	-0.1254

eEF2K	0.0900	0.3760	-0.0750	0.0957	-0.3289	-0.1448
Bax	0.0248	-0.1268	0.0090	0.1876	-0.0069	-0.1046
UGT1A	-0.0394	0.0236	0.1722	-0.7808	0.0995	-0.8174
LDHA	0.1254	-0.0318	0.0860	-0.6117	-0.0253	0.0300
Dvl3	-0.0875	-0.0194	-0.0410	0.3789	0.0253	0.0798
CDT1	-0.0189	-0.0798	-0.0007	0.2632	-0.0922	0.0655
Myosin-IIa_pS1943	-0.0626	0.1305	-0.2696	0.1997	0.0632	-0.1030
CD74	-0.0034	0.0652	0.2226	-0.2264	-0.0163	-0.0038
Bim	-1.2975	-0.0031	0.9059	-1.3106	0.0091	0.2520
Smac	-0.6122	0.2641	-0.5022	-0.1359	0.1767	0.4330
DNA-Ligase-IV	-0.0145	-0.0895	-0.0051	0.0487	-0.0665	0.0742
MTCO1	-0.3400	0.3989	-0.1124	1.0926	0.0596	-0.0451
p27_pT157	-0.0090	-0.0347	-0.0749	0.1319	0.0095	0.0331
SLC1A5	0.1315	-0.0729	-0.1864	-0.0432	0.0788	0.4871
Cadherin-6	-0.0552	-0.1290	0.0551	0.0385	0.1242	-0.0054
cdc25C	0.0243	-0.1322	-0.0439	0.1081	-0.0757	0.1426
Enolase-1	0.6704	0.3543	-0.3666	0.1667	-0.1258	-0.3118
MERIT40	0.0797	0.0353	-0.5511	-0.3189	-0.0293	0.0445
PREX1	-0.1001	-0.1755	0.2800	0.3037	-0.1853	0.0929
Bad_pS112	0.0290	-0.0950	-0.1462	0.2752	-0.0284	0.2117
ER-a	-0.1622	-0.1399	-0.0005	0.6933	0.0026	0.2304
PI3K-p110-b	-0.0147	-0.0431	-0.0099	0.2080	0.0120	0.0510
FoxO3a_pS318_S321	0.0020	-0.0178	0.0481	-0.5688	-0.0578	0.1101
NDUFB4	0.0096	0.0069	0.0021	-0.2525	-0.0427	-0.0077
ASNS	-0.3168	0.4397	0.3268	-0.3216	0.3174	-0.3955
cdc2_pY15	0.0575	0.1247	-0.0004	-0.1616	0.0025	-0.6740
AMPK-a2_pS345	-0.0054	-0.0133	-0.0701	0.1781	0.0059	0.0630
DYRK1B	-0.0157	0.0421	0.0541	-0.0676	0.0162	-0.1593
Rad23A	-0.0210	0.0161	-0.1166	0.1441	-0.1670	0.0138
BMK1-Erk5_pT218_Y220	-0.0020	-0.0660	0.0320	-0.1434	0.0026	0.1801
TRIM25	-0.0379	0.0223	0.0182	-0.5395	0.1574	-0.0652
PARP	0.0008	-0.0166	0.1940	-0.5555	-0.0590	0.2146
4E-BP1_pS65	0.1083	-0.1141	-0.6053	0.2037	-0.1433	0.1122
FGFR1	-0.1246	-0.0916	0.0801	0.0993	0.0818	-0.0662
Bcl-xL	0.0017	-0.0502	-0.1790	0.0576	0.0657	-0.0090
VHL-EPPK1	-0.1886	2.1278	-0.2676	0.1261	0.1749	-0.0930
Paxillin	0.1682	0.0961	0.0348	-0.4202	-0.0327	-0.2939
Beclin	-0.0235	-0.0557	0.0457	0.0194	0.0215	0.1198
Chk1_pS345	-0.0924	-0.1108	-0.0400	0.3494	0.0421	0.0646
ACC_pS79	-0.0153	0.6961	0.4240	-0.0211	0.0158	-0.3947
HSP27_pS82	0.3086	0.3347	0.0031	-0.3238	-0.0010	-0.4187
H2AX_pS140	-0.0098	-0.0060	-0.1256	0.0748	0.0399	-0.0152
53BP1	-0.0819	-0.1407	-0.3658	0.4038	0.0825	0.2870
Creb	-0.0154	-0.0400	-0.0518	0.1564	0.0297	0.0081
Midkine	0.0207	-0.0365	0.1092	-0.1321	-0.0227	0.0379
Sox2	0.1987	-0.9342	0.1150	-0.0943	0.5998	-0.5006
IGFRb	-0.1341	-0.1060	-0.3917	0.5663	0.1120	0.2825
14-3-3-epsilon	-0.0095	-0.0625	-0.0102	0.4285	-0.0021	0.1068
Chk1_pS296	-0.0680	0.0338	-0.0347	0.0554	0.1384	-0.1035
PCNA	0.0570	-0.0332	0.0189	-0.0355	-0.0315	0.1758
EGFR_pY1173	0.0286	0.0256	-0.5075	0.4226	-0.0197	-0.0971

Rb	-0.1418	0.0001	0.0695	-0.1624	0.3299	-0.0019
MLH1	-0.0571	-0.0200	-0.1559	0.2257	0.5959	0.0182
Caspase-3-cleaved	-0.0204	-0.0501	-0.0273	0.2330	0.0210	0.0895
PEA-15_pS116	0.0115	-0.0476	-0.0093	-0.0359	0.0114	0.0803
Atg7	0.0796	-0.0358	-0.1748	0.0964	-0.1950	0.0340
YES1	0.0038	-0.0467	0.1012	-0.4043	-0.0033	0.0902
Pdcd4	-0.1687	-0.4200	-0.1216	1.2153	0.1237	0.3282
XBP-1	-0.1197	-0.4749	-0.5103	0.1881	0.3775	0.1125
MIF	-0.1813	0.1798	0.1816	0.0978	-0.1522	-0.0647
Aurora-ABC_pT288_pT232_pT198	0.0262	-0.0420	0.0741	-0.4795	-0.1275	0.0964
VEGFR-2	-0.4125	0.2247	-0.0606	0.0813	0.1341	-0.2537
Snail	-0.0065	-0.0093	0.6123	-0.6617	0.2583	-0.1991
Histone-H3	-0.1932	0.3171	0.1736	-0.9741	0.2216	-0.2067
UQCRC2	-0.0624	-0.0565	0.0532	0.3060	-0.0277	0.0422
PHLPP	0.1421	0.0263	-0.0029	-0.3035	0.0050	-0.1462
b-Catenin_pT41_S45	-0.0172	-0.0823	-0.0621	0.3542	0.0177	0.1341
FGF-basic	0.0875	0.1089	-0.0421	-0.0607	-0.2362	0.0364
Granzyme-B	-0.2866	0.1403	0.0254	0.0764	-0.0233	-0.2279
PIP4K2A	0.0527	-0.0320	-0.0662	0.0184	0.0225	0.0584
BCL2A1	-1.7994	-0.0817	-0.2381	0.4442	0.0877	0.0987
HER3_pY1289	-0.0152	-0.0029	-0.1550	0.5170	0.0089	0.1474
PDHA1	-0.0281	-0.1136	-0.0161	0.4081	0.0182	0.1854
PI3K-p110-a	-0.0406	-0.0804	-0.0384	0.3484	0.0405	0.0996
CD2	-0.0558	-0.1128	0.0099	0.1680	-0.0078	0.0416
4E-BP1	-0.2197	-0.0553	-0.2569	0.3046	0.0612	0.2308
ATP5H	0.1435	0.0215	-0.0358	-0.3234	-0.0517	0.0355
Jagged1	0.0111	0.0690	-0.0315	-0.0573	0.0953	-0.0183
VAV1	-0.2069	-0.1585	0.0643	0.5362	-0.0622	0.1551
Hif-1-alpha	-0.0753	-0.0930	0.0150	0.0840	0.0556	-0.0207
HSP60	-0.0180	-0.0358	0.0077	0.2544	0.0185	-0.1260
PKC-b-II_pS660	0.2346	0.2097	0.1428	-0.3040	-0.1530	-0.1485
TFAM	-0.0849	-0.1995	0.3643	0.5247	-0.2623	0.0777
c-Myc	-0.0142	-0.1507	-0.0054	-1.1711	0.1055	0.2975
Caspase-7-cleaved	-0.0566	-0.1162	-0.0234	0.2599	0.0255	0.1178
Src_pY416	0.3185	0.2471	0.3805	-5.4206	-0.2411	-1.7142
MTSS1	-0.0606	-0.0863	0.0198	0.1313	-0.0177	0.0967
YAP_pS127	0.2055	-0.0045	-0.1320	0.0290	-0.2976	0.0583
PRC1_pT481	-0.0495	-0.0311	0.0459	0.2359	-0.0252	0.0293
Rad50	0.0276	-0.0434	-0.2208	0.1654	-0.0402	0.0686
WIP1	-0.0382	0.0517	-0.2264	0.0598	-0.0377	0.0309
Ets-1	-0.2521	0.0599	0.1638	-0.0354	0.0802	-0.2335
IRF-3	0.0995	0.0090	0.0784	-0.1508	-0.0031	-0.1129
TRAP1	0.1347	-0.0740	-0.1880	-0.1881	0.2140	0.0722
Caveolin-1	0.0749	-0.0873	0.8129	-0.1112	-0.3026	0.0855
CHD1L	0.0433	0.0171	-0.0007	-0.3049	-0.0545	-0.0049
Hexokinase-I	-0.1038	0.1310	0.3777	0.0173	0.0043	0.0102
Sfn11	0.0821	-0.0590	-0.3845	0.3889	0.0649	-1.0710
Elk1_pS383	0.0269	-0.0301	0.0158	0.1584	-0.0488	-0.0524
PLC-gamma1	-0.3920	0.4680	0.0690	-0.4796	0.4442	-0.0746
TROP2	-0.0635	0.1452	-0.0187	0.0394	0.1416	-0.1024

HLA-DQA1	-0.4305	-0.0066	-0.0076	0.0694	0.0397	-0.0784
RRM1	-0.0245	0.0087	0.0534	-0.0663	-0.0150	0.0357
Puma	-3.0366	-0.0130	0.2896	-0.5754	0.2850	0.0112
MEK2	-0.0030	-0.0296	-0.0250	0.1942	0.0036	0.0724
Mitofusin-2	-0.0443	0.0948	0.0197	-0.1466	-0.0176	0.1806
CD171	-1.2696	-0.1365	0.1223	0.4556	0.2282	-0.3567
SF2	-0.1324	-0.0242	0.1904	0.0488	0.0890	-0.1131
B7-H4	-0.0275	0.0308	0.0079	-0.2230	0.0362	-0.0684
Akt_pT308	0.1476	0.2142	0.0012	0.0195	-0.2649	-0.2471
PRAS40_pT246	0.0349	-0.2039	-0.3108	0.8744	-0.0344	0.6522
Notch3	-0.0278	-0.0201	0.0101	0.0304	0.0344	0.0027
Annexin-I	0.4316	0.1741	-0.0418	-0.1006	0.0439	-0.4262
ZAP-70	-0.0144	-0.0127	0.1227	0.0102	0.0445	0.0071
Caspase-8	0.1216	-0.0026	-0.0116	0.1920	-0.0284	-0.0662
GATA6	-0.0035	-0.0123	0.2500	-0.2470	-0.0334	0.1052
N-Cadherin	-0.0174	-0.0597	0.1275	0.0365	-0.1074	0.0729
PAK_pT423_T402	0.0275	0.0150	-0.2765	0.1550	-0.0091	-0.5099
Tuberin_pT1462	0.0367	0.0798	0.3517	-0.8534	-0.0362	-0.8739
YTHDF2	0.0131	-0.0289	0.4029	-0.5825	-0.1160	0.0470
Src	0.0444	-0.0053	-0.2041	-0.3705	0.0133	0.0035
p53	-0.0139	0.1243	-0.0057	-0.1057	0.0306	-0.0912
B7-H3	-0.0239	-0.0608	-0.1739	0.0632	0.3369	0.0167
CDK9	0.0529	-0.0031	0.0233	-0.1491	-0.0566	0.0013
IR-b	-0.1718	-0.4279	0.3881	0.1322	0.4965	-0.0991
HER2	-0.0369	0.0752	-0.6789	0.3782	0.0374	-0.2355
Rab11	0.0088	0.0131	0.0049	-0.0004	-0.0028	-0.0158
PDH	-0.0048	-0.0391	-0.0388	0.1262	0.0054	0.0534
Porin	-0.0617	-0.0209	0.0672	0.0455	-0.0199	0.0496
METTL3	-0.1073	-0.0204	-0.0376	0.0544	0.0264	0.0261
PD-L1	-0.0036	-0.0122	-0.1041	0.1759	0.0194	-0.1352
PRAS40	-0.0477	-0.0701	0.0238	0.0447	-0.0038	0.0298
Patched	-0.0186	0.0092	-0.0353	0.0554	0.0192	-0.0210
HES1	0.0393	0.0325	-0.0467	-0.1388	0.1605	-0.3697
FN14	0.0264	0.1856	-0.0461	-0.5998	0.0702	-0.0762
JNK2	-0.7032	-0.1473	-1.0520	0.1719	0.8380	0.4729
CD5	-0.0739	-0.0929	-0.0071	0.1228	0.0092	0.0732
Ambra1_pS52	-0.0797	0.0018	-0.0161	-0.1657	0.0294	0.0324
XRCC1	0.0502	-0.1879	0.1378	0.3891	-0.4358	-0.0575
c-IAP2	-0.0587	0.2901	-0.1135	-0.2429	0.0592	0.4091
CDKN2A	0.3621	0.3335	0.1987	-1.6723	-0.1966	-1.1377
Shc_pY317	-0.5026	-0.2236	-0.5532	0.2481	1.0796	0.6385
S6_pS235_S236	0.1767	0.1910	0.1205	-0.3666	-0.1184	-0.2826
U-Histone-H2B	-0.0122	-0.0036	-0.0367	-0.0112	0.0226	0.0236

