

Supplementary Table 7

Kinase.Gene	mS	Enrichment	m	z.score	p.value	FDR
ULK1	-1.003243444	-560.9791944	1	-5.981372034	1.11E-09	2.36E-08
CSNK2A1	-0.048476958	-27.10664623	269	-4.573578615	2.40E-06	3.91E-05
PKM	-0.514333179	-287.5974063	1	-3.061266791	0.001102013	0.012210305
TRKB	-0.272173976	-152.1903172	3	-2.79713566	0.002577894	0.023493319
IGF1R	-0.231866381	-129.6516976	3	-2.380154085	0.0086527	0.061456357
TRKA	-0.271520877	-151.8251263	2	-2.278335199	0.011353307	0.07313642
TRKC	-0.271520877	-151.8251263	2	-2.278335199	0.011353307	0.07313642
ATM	-0.041256997	-23.06949231	63	-1.871076489	0.03066724	0.162013937
SLK	-0.157319352	-87.96756562	4	-1.8578739	0.031593462	0.162013937
TBK1	-0.221447328	-123.8257216	2	-1.855381605	0.031770876	0.162013937
PTK2	-0.30676838	-171.5343167	1	-1.821548377	0.03426177	0.163767739
CSNK2A2	-0.040828897	-22.83011341	61	-1.821167258	0.034290718	0.163767739
PRKDC	-0.029501949	-16.49647423	113	-1.759547699	0.039242263	0.181168447
PRKD2	-0.14364809	-80.32306616	4	-1.694565706	0.045078919	0.201400974
ATR	-0.05579208	-31.19701056	27	-1.676002868	0.046868815	0.206073998
CSNK1A1	-0.033163832	-18.54407288	76	-1.633676806	0.051163366	0.216266197
STK11	-0.092769548	-51.87353751	9	-1.630204609	0.05152913	0.216266197
FLT3	-0.273480176	-152.9206991	1	-1.622728541	0.052323724	0.216323455
CDC42BPA	-0.071055971	-39.7320526	14	-1.547973263	0.060814367	0.240651138
TGFB2	-0.058860381	-32.91269837	20	-1.524429869	0.063700682	0.245070678
EPHA2	-0.08391049	-46.91985709	9	-1.47146761	0.07058235	0.260684147
EPHA1	-0.096396937	-53.90184862	6	-1.384125271	0.08316005	0.276027183
EPHA3	-0.096396937	-53.90184862	6	-1.384125271	0.08316005	0.276027183
EPHA4	-0.096396937	-53.90184862	6	-1.384125271	0.08316005	0.276027183
MARK4	-0.047795907	-26.72582566	24	-1.346182273	0.08912187	0.290432448
MAP2K4	-0.032089725	-17.94346972	53	-1.317556385	0.093826097	0.301965653
CSF1R	-0.091434127	-51.12681585	6	-1.311519245	0.094841198	0.301965653
CSNK1D	-0.023084234	-12.90790901	102	-1.284589944	0.099467807	0.308676889
NUAK1	-0.108835546	-60.85709063	4	-1.278717251	0.100498321	0.308676889
KDR	-0.120339162	-67.28951656	3	-1.226406387	0.110022892	0.331264577
NEK1	-0.039346259	-22.00107363	27	-1.165607422	0.121886603	0.346448697
PDGFRB	-0.073233621	-40.94971935	7	-1.128994112	0.129450159	0.35773093
LIMK1	-0.178874069	-100.0202211	1	-1.057676406	0.145101498	0.373991432
LIMK2	-0.178874069	-100.0202211	1	-1.057676406	0.145101498	0.373991432
TESK1	-0.178874069	-100.0202211	1	-1.057676406	0.145101498	0.373991432
GRK6	-0.103671077	-57.96929728	3	-1.053975254	0.145947123	0.373991432
CDK3	-0.045682584	-25.54412798	16	-1.048664394	0.147166304	0.373991432
ABL1	-0.047562904	-26.59553843	13	-0.985745653	0.16212897	0.399980023
EPHB2	-0.08395564	-46.94510334	4	-0.981517738	0.163168746	0.399980023
EPHB1	-0.07343598	-41.06287155	5	-0.956876748	0.169314734	0.4114051
MAP2K5	-0.039182469	-21.90948798	18	-0.947564049	0.171675718	0.413514555
CDC42BPB	-0.06101505	-34.11751551	7	-0.935913459	0.174658873	0.417073344
ACTR2	-0.087439009	-48.8928835	3	-0.886054707	0.187794024	0.435272017
TTK	-0.015125608	-8.457719026	114	-0.850525555	0.197516479	0.449001853
PRKD1	-0.039808633	-22.25961693	14	-0.849666268	0.197755329	0.449001853
PRKCI	-0.023799683	-13.30796325	40	-0.831467179	0.202854881	0.449526416
SRC	-0.041258979	-23.07060055	12	-0.816645735	0.207065455	0.451630954
SRRM1	-0.07853898	-43.91629369	3	-0.793984018	0.213602368	0.460829289
EPHA7	-0.06098029	-34.09807853	5	-0.790527002	0.21461003	0.460829289
MARK1	-0.027815231	-15.55331958	25	-0.777250473	0.218505505	0.465584806
PLK1	-0.012804163	-7.159647139	131	-0.753044093	0.225711709	0.472659249
FLT1	-0.064486065	-36.05838757	4	-0.748946608	0.226944694	0.472659249
FGR	-0.037328761	-20.87295796	12	-0.735329622	0.231069386	0.475398059
IRAK4	-0.124561608	-69.65056281	1	-0.73328538	0.231692195	0.475398059
MARK2	-0.051497281	-28.7955066	6	-0.72724232	0.233538763	0.47566351
TRPM7	-0.045066648	-25.19971818	7	-0.683893148	0.24702132	0.490613893
CSNK1E	-0.01955594	-10.93500832	39	-0.662719063	0.253755249	0.495001437
WEE1	-0.108455311	-60.64447603	1	-0.6370876	0.262033893	0.499446292
NUAK2	-0.108183139	-60.49228682	1	-0.635462003	0.26256357	0.499446292
UHMK1	-0.062832013	-35.1334985	3	-0.631495638	0.26385825	0.499446292
MAP2K7	-0.021908653	-12.25056451	25	-0.60085993	0.273966642	0.499446292
PKD1	-0.019644642	-10.98460754	31	-0.593800789	0.276322681	0.499446292
ERBB4	-0.071787645	-40.14117931	2	-0.591259088	0.277173419	0.499446292
CDK14	-0.067928841	-37.98346953	2	-0.558665141	0.288195137	0.499446292

BRK2	-0.090360508	-50.52648516	1	-0.529013107	0.298398179	0.499446292
CSNK1G2	-0.022022085	-12.31399191	19	-0.526770673	0.299176425	0.499446292
LYN	-0.029567374	-16.5330576	10	-0.524669571	0.299906457	0.499446292
CDK4	-0.013667273	-7.642268409	52	-0.511619416	0.304458697	0.499446292
NME1	-0.083856374	-46.88959735	1	-0.490165986	0.312008224	0.499446292
MST3	-0.049082604	-27.44530254	3	-0.489258176	0.312329464	0.499446292
OXSR1	-0.059691973	-33.37769624	2	-0.48909122	0.312388558	0.499446292
CDK9	-0.026071517	-14.578295	10	-0.458642361	0.323245506	0.499446292
BRAF	-0.040092683	-22.41844789	4	-0.457558804	0.323634723	0.499446292
ADRBK1	-0.012246591	-6.847871954	51	-0.446079091	0.327770058	0.499446292
PRKG2	-0.015997911	-8.945480872	27	-0.440992286	0.329609291	0.499446292
CDKL5	-0.075332703	-42.12345398	1	-0.439256815	0.330237731	0.499446292
TNK2	-0.075137921	-42.01453859	1	-0.438093444	0.330659273	0.499446292
PRKACB	-0.016369642	-9.153340096	24	-0.426648382	0.334817726	0.499446292
MAP3K1	-0.072576402	-40.58222535	1	-0.422794308	0.336222671	0.499446292
MELK	-0.042384503	-23.69995487	3	-0.4199664	0.337255	0.499446292
TAF1	-0.071887768	-40.19716493	1	-0.418681316	0.337724526	0.499446292
GRK5	-0.029667196	-16.58887453	6	-0.407867698	0.341685405	0.499446292
LMTK2	-0.068386898	-38.23959895	1	-0.397771735	0.345399227	0.499446292
STK39	-0.04727639	-26.43532967	2	-0.384221173	0.350407263	0.499446292
PLK4	-0.012898762	-7.212543616	30	-0.363461992	0.3581299	0.499446292
PDPK1	-0.03658492	-20.45702773	3	-0.359969786	0.359434864	0.499446292
WNK3	-0.060772757	-33.98203344	1	-0.352294897	0.362308557	0.499446292
CLK1	-0.00616131	-3.445192364	156	-0.326215246	0.372130754	0.499446292
PBK	-0.039757696	-22.23113483	2	-0.320713418	0.374213789	0.499446292
ADRBK2	-0.023632944	-13.21472888	5	-0.291741195	0.385242255	0.499446292
TEC	-0.050431482	-28.19954849	1	-0.290529756	0.385705495	0.499446292
AURKA	-0.004870541	-2.723439036	226	-0.276744545	0.390988133	0.499446292
CSNK1G1	-0.012437338	-6.954531002	18	-0.269843982	0.393640142	0.499446292
GRK7	-0.021385868	-11.95824089	5	-0.261730762	0.396764511	0.499446292
PDHK3	-0.031837939	-17.80267938	2	-0.253818026	0.399818073	0.499446292
PDK3	-0.04380984	-24.49695425	1	-0.250980798	0.400914478	0.499446292
PDK4	-0.04380984	-24.49695425	1	-0.250980798	0.400914478	0.499446292
BLK	-0.015251803	-8.528283214	9	-0.241238227	0.404685242	0.499446292
MAPK6	-0.039858905	-22.28772742	1	-0.227383122	0.410062922	0.499446292
PKD2	-0.022929197	-12.82121737	3	-0.218701497	0.413441292	0.499446292
STK3	-0.037463167	-20.94811321	1	-0.213074142	0.415634567	0.499446292
STK4	-0.037463167	-20.94811321	1	-0.213074142	0.415634567	0.499446292
CDK16	-0.021829707	-12.20642061	3	-0.20732729	0.417877132	0.499446292
MOS	-0.036199119	-20.24130109	1	-0.205524386	0.418581224	0.499446292
EPHA5	-0.020780794	-11.61990475	3	-0.196476301	0.42211869	0.499446292
EPHA6	-0.020780794	-11.61990475	3	-0.196476301	0.42211869	0.499446292
BCKDK	-0.012455405	-6.964633454	8	-0.1802012	0.428497308	0.499446292
PTK6	-0.031357339	-17.5339444	1	-0.176605977	0.42990895	0.499446292
MAP3K7	-0.022426524	-12.54014012	2	-0.174323126	0.430805763	0.499446292
HCK	-0.010981941	-6.140723435	10	-0.173641354	0.431073665	0.499446292
AAK1	-0.029752238	-16.63642719	1	-0.16701922	0.433677463	0.499446292
CSNK2B	-0.020375623	-11.39334717	2	-0.156999893	0.437622466	0.499446292
DYRK3	-0.027517073	-15.38659987	1	-0.153669292	0.438935249	0.499446292
GSG2	-0.019231261	-10.75345934	2	-0.147333871	0.441434249	0.499446292
CDC7	-0.013757663	-7.692811503	4	-0.142977439	0.443154	0.499446292
LATS1	-0.022316795	-12.47878345	1	-0.122609688	0.451208091	0.499446292
BTK	-0.014366578	-8.033295808	2	-0.106243607	0.457694537	0.499446292
ILK	-0.019339605	-10.8140413	1	-0.104827881	0.458256193	0.499446292
TLK2	-0.008509929	-4.758459319	6	-0.098336422	0.460832579	0.499446292
MAPKAPK3	-0.013249215	-7.408504607	2	-0.096805632	0.461440376	0.499446292
CDK2	-0.002676064	-1.496362736	312	-0.093649484	0.4626938	0.499446292
PRKACG	-0.004528603	-2.532238823	26	-0.083453021	0.466745666	0.499446292
ITK	-0.008723892	-4.878099922	4	-0.082847215	0.466986513	0.499446292
MOK	-0.008525823	-4.767346417	4	-0.080481206	0.467927272	0.499446292
MAPK15	-0.013661786	-7.639200386	1	-0.070916077	0.471732274	0.499446292
FYN	-0.007438216	-4.159194306	4	-0.067489352	0.473096069	0.499446292
CLK3	-0.006279377	-3.511211433	3	-0.046459318	0.481472079	0.499446292
HIPK2	-0.002432563	-1.360205212	118	-0.041794576	0.48333123	0.499446292
BMX	-0.00595545	-3.330082887	2	-0.035197782	0.485961016	0.499446292
MAP3K10	-0.007220374	-4.037384559	1	-0.032443575	0.487059156	0.499446292

MAP3K5	-0.004627561	-2.587572794	3	-0.029371302	0.48828423	0.49944629
MAP3K6	-0.004627561	-2.587572794	3	-0.029371302	0.48828423	0.49944629
MAP4K4	-0.003364929	-1.88155245	5	-0.021055331	0.491600759	0.49944629
KIT	-0.003081205	-1.722904036	2	-0.010920049	0.495643617	0.49944629
PLK3	-0.002420968	-1.353721771	3	-0.006544121	0.497389292	0.49944629
NEK3	-0.002256966	-1.262017685	2	-0.003957988	0.498420995	0.49944629
WNK2	-0.002322385	-1.298597737	1	-0.003189447	0.498727597	0.49944629
WNK1	-0.001952698	-1.091881215	2	-0.00138794	0.499446292	0.49944629
BUB1	-0.001370587	-0.766385344	2	0.003528938	0.49859216	0.49944629
RIPK1	0.000791	0.442299968	1	0.015405809	0.493854214	0.49944629
MAP4K6	0.000945093	0.528463328	4	0.032652312	0.486975926	0.49944629
MAK	0.000122017	0.068227706	10	0.036082179	0.485608416	0.49944629
AURKC	0.000135729	0.075894769	13	0.041435291	0.483474439	0.49944629
TLK1	0.001187762	0.664155525	6	0.043541006	0.482635139	0.49944629
DYRK1B	0.007683989	4.296622106	1	0.056575436	0.477441701	0.49944629
ACVR2B	0.004720678	2.639640615	3	0.067336115	0.473157063	0.49944629
SRPK1	0.010312635	5.76647073	2	0.102212999	0.459293805	0.49944629
CAMK1G	0.011647591	6.512931886	2	0.113488897	0.454821483	0.49944629
NEK4	0.005636379	3.151669159	8	0.125428623	0.450092114	0.49944629
CAMK1	0.004200228	2.348622893	15	0.138529031	0.444911164	0.49944629
BCR	0.017140895	9.584598361	2	0.159888897	0.436484296	0.49944629
MKNK1	0.0172312	9.635093528	2	0.160651667	0.43618388	0.49944629
MKNK2	0.0172312	9.635093528	2	0.160651667	0.43618388	0.49944629
IRR	0.027446816	15.34731457	1	0.174612506	0.430692061	0.49944629
TXK	0.027446816	15.34731457	1	0.174612506	0.430692061	0.49944629
TYK2	0.027446816	15.34731457	1	0.174612506	0.430692061	0.49944629
ACVR1B	0.029470376	16.47881966	1	0.186698585	0.425948483	0.49944629
CDK19	0.029901022	16.71962208	1	0.189270696	0.424940331	0.49944629
PNCK	0.032358573	18.09379999	1	0.203948865	0.419196729	0.49944629
CDK6	0.004978585	2.783853465	29	0.217651785	0.413850217	0.49944629
STK25	0.035702978	19.96387612	1	0.223923931	0.411408247	0.49944629
MST1	0.039125703	21.87774611	1	0.244366777	0.403473385	0.49944629
PDHK4	0.010824355	6.052606611	12	0.260957154	0.397062774	0.49944629
PAK7	0.043049167	24.0716121	1	0.267800377	0.39442649	0.49944629
NLK	0.007520852	4.205401349	24	0.272388498	0.392661658	0.49944629
PKD3	0.020268287	11.33332841	5	0.294573871	0.384159712	0.49944629
PRKG1	0.005165441	2.888336536	52	0.299498356	0.382279913	0.49944629
ICK	0.013922404	7.78492905	11	0.311217153	0.377817772	0.49944629
CAMK1D	0.01950095	10.90425987	6	0.311463349	0.377724201	0.49944629
CLK4	0.036266488	20.27897151	2	0.32143603	0.373939991	0.49944629
SMG1	0.036538976	20.4313377	2	0.323737644	0.373068334	0.49944629
PRKAA1	0.008503258	4.754729272	38	0.378918335	0.352374254	0.49944629
CHEK2	0.018338141	10.25405727	10	0.380135164	0.351922542	0.49944629
IRAK1	0.061929811	34.6290182	1	0.380568448	0.351761749	0.49944629
NEK6	0.061929811	34.6290182	1	0.380568448	0.351761749	0.49944629
PRKCG	0.006064466	3.391040634	68	0.386768269	0.349463885	0.49944629
MTOR	0.011478759	6.418526938	24	0.388197043	0.348935111	0.49944629
DYRK1A	0.027558144	15.40956558	5	0.391932259	0.347554133	0.49944629
CDK7	0.004761265	2.662335191	111	0.412143546	0.340117106	0.49944629
CDK20	0.067766485	37.89268536	1	0.415429042	0.338913925	0.49944629
PLK2	0.027817177	15.55440779	6	0.433129933	0.332460189	0.49944629
MARK3	0.013420673	7.504378103	23	0.435647677	0.331546187	0.49944629
PRKCE	0.007847001	4.387772861	59	0.442042685	0.329229158	0.49944629
PRKCA	0.004908674	2.74476128	131	0.457813621	0.323543175	0.49944629
EEF2K	0.055023034	30.76698629	2	0.479865954	0.315661356	0.49944629
PRKCQ	0.039002321	21.80875542	4	0.487259717	0.313037146	0.49944629
IKBKB	0.007158031	4.002524396	86	0.495527048	0.310114067	0.49944629
PRKCB	0.003624384	2.026630983	243	0.50395474	0.307146591	0.49944629
HIPK1	0.05835804	32.63180683	2	0.508035572	0.305714196	0.49944629
GRK1	0.026880921	15.03088551	9	0.513697783	0.303731651	0.49944629
GTF2F1	0.095703135	53.51389824	1	0.582285752	0.28018711	0.49944629
EIF2AK2	0.012817224	7.166950206	45	0.585187565	0.279210803	0.49944629
PAK1	0.014056894	7.860131266	50	0.66919715	0.251684862	0.494444729
CLK2	0.025861736	14.46099267	17	0.680911642	0.247963701	0.490613893
MAP2K6	0.017149649	9.589493531	38	0.697261863	0.242819465	0.48739849
SGK3	0.057605889	32.21122988	4	0.70948608	0.239011443	0.483256714

GRK4	0.072020167	40.27119789	3	0.763548496	0.222568176	0.470621257
DYRK2	0.046950853	26.25330037	8	0.823366173	0.205149897	0.451004138
BRSK1	0.096815964	54.13615391	2	0.832876082	0.20245731	0.449526416
CHUK	0.012972198	7.253606425	91	0.840994927	0.200175388	0.449526416
PIM2	0.058580285	32.75607877	6	0.883194877	0.188565495	0.435272017
GSK3B	0.009543164	5.336208671	172	0.887610885	0.187375048	0.435272017
GSK3A	0.010117994	5.657634168	161	0.902322506	0.183442787	0.434304717
CHEK1	0.024738742	13.83305297	39	0.989445267	0.161222668	0.399980023
MAPKAPK5	0.067712295	37.8623839	6	1.01679637	0.154625155	0.389374253
SGK2	0.123978725	69.32463498	2	1.06231034	0.144047411	0.373991432
PRKCZ	0.029728964	16.62341292	32	1.064863474	0.143468858	0.373991432
PAK3	0.05338009	29.84830847	11	1.092840099	0.137232006	0.372679079
PAK2	0.022514037	12.58907419	60	1.124331606	0.130436188	0.35773093
RPS6KB2	0.04808202	26.88581008	15	1.153606831	0.124330698	0.347874782
RPS6KA3	0.034985976	19.56295317	28	1.1622336	0.122570295	0.346448691
SGK1	0.033173222	18.54932353	31	1.162629947	0.122489837	0.346448691
PIM3	0.086276599	48.24290385	5	1.176136104	0.119770246	0.346448691
NEK11	0.098873285	55.28653684	4	1.202440093	0.114596532	0.337694039
PAK6	0.100023893	55.92991736	4	1.216184526	0.111957318	0.333464277
CDK5	0.017059012	9.538812477	128	1.273578111	0.101406487	0.308676889
PAK5	0.086347943	48.28279696	6	1.289436314	0.098623222	0.308676889
CAMK2D	0.041894507	23.42596576	28	1.38057398	0.083704994	0.276027183
AURKB	0.025279711	14.13554385	73	1.381301187	0.083593187	0.276027183
CAMK2G	0.056222771	31.43783764	16	1.385928455	0.082884376	0.276027183
NEK2	0.013018136	7.279293207	249	1.395474359	0.081436421	0.276027183
CAMK4	0.054040398	30.21753001	18	1.414697919	0.078578542	0.276027183
VRK1	0.137592045	76.93673457	3	1.441888763	0.074666878	0.272141122
RPS6KA2	0.024893255	13.91945121	89	1.503407721	0.066366968	0.248427706
MAPK10	0.041675275	23.30337884	34	1.51368337	0.065053082	0.246845258
PRKAA2	0.027329056	15.28146725	77	1.52604671	0.063499116	0.245070678
PRKACA	0.032171973	17.98945942	60	1.571148197	0.058074115	0.233138113
PDK2	0.065004583	36.34832502	16	1.595732335	0.055274283	0.225161418
MAPK7	0.0354828	19.84076039	54	1.635834506	0.050937114	0.216266197
MAPK11	0.036627919	20.48107131	55	1.701634201	0.044411981	0.201400979
PIM1	0.068833558	38.48935588	18	1.789555727	0.036762681	0.172597677
PRKCH	0.054511519	30.48096481	30	1.841779292	0.03275372	0.162013937
DAPK1	0.067248011	37.60277235	20	1.844006374	0.032591106	0.162013937
PAK4	0.051450458	28.76932462	34	1.854117977	0.031861142	0.162013937
DMPK	0.087184748	48.75070929	13	1.916019291	0.02768132	0.153354514
CAMK2A	0.057098423	31.9274723	31	1.958250131	0.025100335	0.141893728
ROCK1	0.038651944	21.61283612	75	2.091773185	0.018229405	0.105198858
TRPM6	0.102078566	57.07882	12	2.149004533	0.01581702	0.09321946
CDK1	0.01235273	6.90722108	654	2.159939964	0.015388659	0.092666488
PRKCD	0.049419882	27.63389651	50	2.162690525	0.015282495	0.092666488
CSNK1G3	0.112914636	63.13797677	10	2.166427602	0.015139263	0.092666488
CAMK2B	0.074396145	41.59976275	26	2.320185876	0.010165412	0.068678516
MAPK13	0.057179206	31.9726434	45	2.362593186	0.009073789	0.06283599
MAPK9	0.059865647	33.47480903	42	2.386467029	0.008505566	0.061456357
ARAF	0.070762353	39.56787135	31	2.412637043	0.007918791	0.059283923
VRK2	0.425972921	238.1893921	1	2.554881958	0.005311191	0.040866662
VRK3	0.425972921	238.1893921	1	2.554881958	0.005311191	0.040866662
MAPK12	0.065205397	36.46061295	44	2.654178591	0.003975087	0.032385267
RAF1	0.039115916	21.87227379	123	2.709510393	0.00336913	0.028280277
AKT3	0.084837554	47.43823957	28	2.73776578	0.003092906	0.026772968
RPS6KB1	0.065653963	36.71143562	48	2.790760766	0.002629216	0.023493319
ROCK2	0.079060579	44.20795403	34	2.815679608	0.002433709	0.023246118
PDK1	0.056156461	31.40075988	71	2.916173065	0.001771769	0.017527862
MAPK8	0.044459743	24.86035755	112	2.923293769	0.001731748	0.017527862
PRKCT	0.068672637	38.39937426	49	2.94588839	0.001610143	0.017154214
MAPKAPK2	0.137964389	77.14493667	15	3.232774394	0.000612972	0.007074719
AKT2	0.080789926	45.17494519	45	3.308579464	0.000468853	0.005646619
MAPK14	0.081442248	45.53970101	46	3.371564164	0.000373713	0.004705388
MAP2K3	0.115713348	64.70292044	25	3.509001895	0.000224896	0.002966483
STK10	0.488592487	273.2040973	2	4.142074083	1.72E-05	0.000238344
YES1	0.203288911	113.6721604	12	4.243044064	1.10E-05	0.000160739
RPS6KA1	0.166304181	92.9915725	19	4.376174593	6.04E-06	9.29E-05

MAPK3	0.047977453	26.82734007	308	5.21646116	9.12E-08	1.58E-06
AKT1	0.06923572	38.71423073	168	5.498316301	1.92E-08	3.54E-07
MAP3K8	0.549712551	307.3803331	3	5.705270301	5.81E-09	1.15E-07
MAPK1	0.065408671	36.57427687	272	6.6191772	1.81E-11	4.17E-10
EGFR	0.406950436	227.5526734	10	7.719963199	5.82E-15	1.47E-13
MET	0.419702893	234.6834085	10	7.960822391	8.54E-16	2.37E-14
DAPK3	1.011495175	565.593278	2	8.55884852	5.70E-18	1.75E-16
MAP2K1	0.176994107	98.96901112	69	8.869902906	3.66E-19	1.27E-17
DAPK2	1.908205633	1067.002895	1	11.4077857	1.91E-30	7.56E-29
INSR	0.867839605	485.2660292	5	11.6141614	1.75E-31	8.06E-30
MAP2K2	0.377140185	210.8838075	29	12.18781047	1.80E-34	1.00E-32
LCK	0.971279487	543.1060502	5	12.9956343	6.48E-39	4.48E-37
ERBB2	1.21272061	678.1116135	4	14.50775048	5.41E-48	5.00E-46
RET	1.673607902	935.8239201	3	17.33195381	1.35E-67	1.87E-65
JAK2	2.427396481	1357.316542	2	20.51846708	7.36E-94	2.04E-91