

Table S1-Gene Interactions In Cancer Networks

Gene Interaction	BLCA	BRCA	COAD	KIRC	KIRP	LGG	LIHC	LUAD	LUSC	PAAD	PRAD	SKCM	STAD	THCA	UCEC
BRAF-PIK3CA	0	0.314319	0.76361	0.827654	0.984052	1.034364	0.244118	0.313065	0.360177	0.618554	0.58924	0.450249	1.113763	0	0.251891
HRAS-MAP2K2	0.727919	0.233596	0.416908	0.679279	0.561394	0.942012	0	0.426186	0.27231	0	0.925564	0	0.242914	1.071146	0
PIK3CA-SOS1	0	0.546518	0.917109	0.495761	0.649995	0.796405	0.204198	0.655836	0.348315	0	0.925096	0	0.448085	0	0.634719
E2F1-E2F2	0.785634	1.373568	0	0	0	0.691712	1.127917	1.121593	0.899765	0.563442	1.494068	1.003915	0.838268	0	0
PIK3CA-PIK3CB	0	0.323032	0.692419	0.309271	0.357227	0	0.503742	0.687405	0	0	0.264905	0.845847	0.973355	0	0
BAD-MAP2K2	0	0	0.628818	0.959173	1.764856	0	0.533536	0.78368	0.26837	0	1.60303	1.328064	0	0	0.699319
MAP2K2-PIK3R2	0	0.636257	0	0.479111	0.879749	0.513855	0.464062	0.962796	0.776803	0	0	1.506865	0.386609	0	0
BAX-DDB2	0	0	0.493453	0	0	0.507666	0.945356	0.324797	0	0.448893	0	0.375922	0.406586	0.94193	0.250067
CDKN1A-DDB2	0	0.723011	0.591515	0	0	0.295522	0.555519	0.405487	0	0	0	0.235012	0.508776	0.534802	0.34457
HRAS-MAPK1	0.619128	0.472657	0.350873	0	0.494772	0	0.563431	0.449914	0	0	0.276734	0.233818	0	0	0.623723
PIK3R1-POLK	0	0.489178	0.606581	0	0	0	0.525021	0.784891	0.248774	0.419599	0	0.916277	0	0	0.286824
BAD-HRAS	0	0.491070	0	0.915383	0.631553	0	0.995368	0.313801	0.311328	0	1.88843	0.426257	0	0	0.409125
MAP2K1-MAPK1	0.648146	0.477567	0.488537	0	0	0.602448	0.250478	0	0	0	0.777271	0	0	0.339641	0.455891
AKT3-PIK3CA	0	0	0.54217	0.238337	0.2238	0.380286	0	0.216227	0	0.692663	0	0.470286	0.491766	0	0
GADD45A-GADD45B	0	0.208133	0.257749	0	0	0.606602	0.288826	0.226717	0	0.328103	0	0	0.389924	0	0
GRB2-PIK3CD	0	0.25625	0.483767	0.748854	0.416894	0.3763	0	0.319066	0	0	0	0	0.448263	0	0
CDK4-E2F1	0.461789	0.317222	0	0	0	0	0.267823	0.261198	0.252958	0.223484	0	0.253111	0	0	0
POLK-RB1	0	0.488833	0	0	0	0.255936	0.269769	0.308361	0.299201	0.316001	0	0.411508	0	0	0
SOS1-SOS2	0	0	0.224236	0	0	0.606004	0.539058	0.52011	0	0	0.525427	0	0.780799	0	0.426924
ARAF-E2F3	0.351327	0.508421	0	0	0	0.464409	0.458145	0	0	0.255898	0.297364	0.228022	0	0	0
BAD-SOS1	0	0	0.969381	0.661426	0	0	0	0.723888	0.511338	0	0.362463	0	0	0	0.336964
GSK3B-PIK3CA	0	0.528704	0.369141	0	0	0	0.767188	0	0	0	0.27133	0	0.663346	0	0.746399
MAPK1-NRAS	0.519326	0	0.254052	0.263171	0	0	0.435192	0	0	0.296068	0	0	0.206779	0	0
HRAS-SOS2	0	0.426496	0.508513	0	0	0.222081	0.319057	0	0.408264	0	0.218982	0	0	0	0
BRAF-HRAS	0	0	0	0	0.282227	0.49683	0	0.338122	0	0	0.280611	0.468948	0.75593	0	0
CDKN1A-GADD45B	0	0	0	0	0	0.361787	0	0.45748	0.431545	0.510213	0	0	0.287829	0.205602	0
CDKN1A-GADD45A	0	0.254376	0.438033	0	0	0	0.298706	0.521175	0.204209	0	0.236931	0	0	0	0
BAX-MAP2K2	0	0.625074	0	0	0	0.595445	0	0.627526	0	0	0	0	0.756485	0.255478	0.447602
BAX-PIK3CA	0	0	0.287096	0	0	0.36778	0.230169	0	0.43971	0.288357	0	0.697268	0	0	0
PIK3R1-PIK3R3	0	0.393828	0.220989	0	0	0	0.33515	0.317894	0.268165	0.218904	0	0	0	0	0
KRAS-MAP2K2	0.354301	0.32002	0	0.276244	0.568201	0	0	0	0	0	0.662049	0.412074	0	0	0
BAD-KRAS	0	0	0	0.572988	0	0	0.51028	0.316746	0	0	0.223856	0.698984	0	0	0
MTOR-PIK3R3	0	0.346002	0.468408	0	0	0.347099	0	0	0	0.522179	0	0	0.43356	0	0
GADD45B-MAP2K2	0	0.480846	0	0	0	0	0.212957	0.31393	0	0	0	0.619712	0	0	0.32657
PIK3R1-SOS2	0	0.253144	0	0	0	0.257787	0.425173	0.44925	0	0	0.320062	0	0	0	0
BAX-CDKN1A	0	0.522995	0.329806	0	0	0	0	0	0	0	0.423491	0	0.718131	0.21721	0
MAPK1-MTOR	0	0.321159	0.415867	0	0	0.265461	0	0	0.366723	0	0	0.461554	0	0	0
MAPK1-PIK3CA	0	0	0	0	0	0	0.823106	0.210061	0.310207	0.288744	0.822014	0	0	0	0
GSK3B-PIK3CB	0	1.570369	0.729404	0	0	1.298824	0	0	0	0	0	0	1.344179	0	0.300268
HRAS-SOS1	0	0.449161	0.440148	0	0	0.878197	0	0	0	0	0.257616	0	0	0	0.350521
GADD45B-GADD45A	0	0	0.207765	0	0	0.309795	0	0	0	0	0.431299	0.286882	0.398972	0	0
BAK1-CDKN1A	0	0	0.409792	0	0	0	0	0.25663	0.477893	0.364448	0	0	0.348423	0	0
AKT2-BAX	0	0.485189	0	0	0	0.507073	0	0.578859	0	0	0	0.339271	0.616878	0	0
BAD-MAPK3	0	0	0.340022	0.224409	0	0	0	0.310282	0	0	0.259024	0.335629	0	0	0
HRAS-KRAS	0.387727	0.210509	0	0	0	0.484024	0	0	0	0	0.318813	0	0	0	0.345467
MAP2K2-PIK3CA	0	0.294209	0	0	0	0	0.633203	0	0	0	0.696424	0	0.36391	0	0.419
HRAS-PIK3CA	0	0	0	0.275817	0	0.301589	0	0.214177	0	0	0.26963	0.395819	0	0	0
TGFB1-TGFB3	0	0	0.240604	0.469545	0.238197	0	0	0	0.404235	0	0	0.457977	0	0	0
E2F3-MAPK3	0	0.351422	0	0	0	0.219925	0	0.426269	0	0	0	0.673448	0.589398	0	0
E2F1-RB1	0	0.44766	0	0	0	0.2122	0	0.256778	0.333743	0.213078	0	0	0	0	0
PIK3CA-SOS2	0	0	0.325073	0.822305	0	0	0.387255	0	0	0.922296	0	0	0	0	0.216469
HRAS-POLK	0	0	0.520914	0	0	0.705809	0	0.326045	0.461666	0	0	0	0.884691	0	0
DDB2-HRAS	0	0.345302	0	0	0	0	0	0.481526	0	0	0	0.663512	0	0.562935	0
PIK3CA-RB1	0	0	0	0	0	0.2137	0	0	0	0	0.213207	0.438422	0.290319	0	0
APC-SOS1	0	0.24267	0	0	0	0	0.270277	0	0	0	0	0	0.690096	0	0.376551
HRAS-RPS6KB2	0	0.233586	0.243719	0	0	0.499769	0	0	0	0	0	0	0.829586	0	0
PIK3R1-SOS1	0	0	0.447812	0	0	0.245106	0	0	0	0.711693	0	0	0.409805	0	0
EGFR-MTOR	0	0.227055	0.594409	0	0	0.226831	0	0	0	0.234177	0	0	0	0	0
BAX-SOS1	0	0.222484	0	0	0	0	0.407829	0	0	0	0	0	0.423523	0	0.607524
KRAS-PIK3CA	0	0	0.404727	0	0	0	0	0.280526	0	0	0.285597	0	0	0	0.256221
MAPK1-PIK3CB	0	0	0	0.322755	0.888446	0	0	0	0	0.524799	0.246782	0	0	0	0
E2F2-E2F3	0	0.209261	0	0	0	0.468485	0	0.672935	0	0	0	0.270317	0	0	0
BAK1-NRAS	0	0.220434	0	0	0	0	0.203328	0	0.320522	0	0	0	0	0	0.200274
CTN1B-MAPK1	0	0.273352	0	0	0	0	0	0	0	0	0	0	0.281806	0.485703	0.303323
BAX-POLK	0	0	0	0	0	0.280049	0	0	0.551135	0	0	0	0.219166	0.336216	0
AKT1-POLK	0	0	0.433209	0	0	0	0	0.291606	0.603108	0	0	0	0.286993	0	0
SMAD2-SMAD4	0	0	0.445958	0	0	1.694154	0	0.977638	0	0	0	0	0.240868	0	0
APC-POLK	0	2.490624	0	0	0	1.362216	0	0	0	0	0	0	0.696434	0	1.002007
E2F2-PIK3CD	0	0	0	0	0	0	0	0	0.324226	0.236191	0.299406	0.21071	0	0	0
EGFR-PIK3CA	0	0	0.539613	0	0	0.213244	0	0	0.512667	0.786511	0	0	0	0	0
MAP2K2-POLK	0	0.536311	0	0	0.912472	0	0	0.437528	0	0	0	0	0	0.538091	0
NRAS-PIK3CA	0	0	0	0	0	0	0	0.272536	0	0.234674	0.415514	0	0	0	0.446625
PIK3R2-PIK3R3	0	0.419683	0	0	0	0	0	0.273446	0.207384	0	0	0	0	0	0.273329
PIK3CA-TGFB2	0	0	0.356583	0	0	0	0.297887	0	0	0.371988	0	0	0.315706	0	0
PIK3CD-PRKCB	0	0	0	0	0.235979	1.542417	0.339572	0.276718	0	0	0	0	0	0	0

AXIN1-MAPK3	0	0.956683	0.503719	0	0	0	0.541102	0	0	0	0	0	0.263365	0	0	0
BAX-PIK3CB	0	0.257328	0	0	0	0.422302	0	0.210966	0	0	0	0.292502	0	0	0	0
BAX-MAPK1	0	0.499109	0	0	0	0.456823	0.362511	0	0	0	0	0	0.406418	0	0	0
GADD45G-NRAS	0	0	0	0	0	0	0.279441	0.340462	0.228939	0	0	0	0.322331	0	0	0
BAX-HRAS	0	0.407976	0	0	0	0	0.225576	0.547573	0	0	0	0	0	0	0.743278	0
E2F3-SOS1	0	0.744829	0	0	0	0.246443	0	0.516021	0.429768	0	0	0	0	0	0	0
ARAF-MAPK3	0	0	0.248041	0	0	0	0	0.247009	0	0	0	0.655583	0.370954	0	0	0
GAB1-SOS1	0	0	0	0.421634	0.222471	0	0.406835	0	0	0	0	0	0.451963	0	0	0
BRAF-SOS2	0	0.393662	0	0.310812	0.774729	0	0	0	0	0	0	0	0	0	0	0.438567
CTNNB1-HRAS	0	0	0.286557	0	0	0	0.212531	0	0	0	0.448909	0	0	0	0.434188	0
PIK3CA-POLK	0	0	0	0	0	0	0.352231	0	0	0.277258	0	1.04513	0.392828	0	0	0
BRAF-MAPK1	0	0	0	0.275932	0.272639	0	0	0.238549	0	0	0	0	0.828362	0	0	0
BRAF-EGFR	0	0	0.824431	0	0	0	0.314071	0	0	0.315818	0.257182	0	0	0	0	0
AXIN1-DVL1	0	0.966619	0	0	0	0	0.233835	0	0	0	0	0	0.359438	0	0	0
BRAF-RAF1	0.239265	0.280645	0	0	0	0	0	0	0	0	0	0	0.337526	0	0	0
POLK-SOS2	0	0.564535	0	0	0	0	0.309052	0	0	0	0	0	0.438317	0	0	0
AKT3-TGFB2	0	0	0.288111	0	0	0	0	0	0	0.298378	0	0	0.202666	0	0	0
BAD-GADD45G	0	0	0.265685	0	0	0	0	0	0.310986	0	0	0	0	0	0.307405	0
NRAS-RXR	0	0	0	0	0	0	0	0.318291	0.216507	0	0	0	0.444251	0	0	0
KRAS-PIK3R3	0	0	0	0	0	0	0	0.267262	0	0.265963	0.22442	0	0	0	0	0
E2F1-RPS6KB2	0	0.518246	0	0	0	0	0.262004	0	0	0	0	0	0.461807	0	0	0
PDGFB-PDGFRB	0	0	0	0	0	0.505082	0	0	0	0	1.395334	0.82184	0	0	0	0
MAPK1-RB1	0.213123	0	0	0	0	0	0.341056	0	0	0	0.598154	0	0	0	0	0
AKT1-HRAS	0	0.508121	0	0	0	0	0	0.292304	0	0	0	0	0.521191	0	0	0
APC-PIK3CA	0	0.656619	0	0	0	0	0.431229	0	0	0	0	0	0.219835	0	0	0
BAX-SOS2	0	0.359807	0	0	0	0	0	0	0	0	0	0	0.242559	0	0.277983	0
GSK3B-SOS2	0	0.753019	0	0	0	0	0	0	0	0.468708	0	0	0	0	0.413418	0
DVL3-PIK3R2	0	0.557311	0	0	0	0	0.639076	0	0	0	0	0	0.235542	0	0	0
DVL1-MTOR	0	1.474212	0	0	0	0	0.796464	0	0	0	0	0	0.708976	0	0	0
FOXO3-PDPK1	0	0	0	0	0	0	0	0.663266	0.381192	0	0	0	0	0	0.309719	0
APC-RPS6KB1	0	0.234425	0	0	0.34297	0	0	0	0	0	0	0	0.260699	0	0	0
E2F2-MTOR	0	0.738886	0	0	0	0	0	0	0	0.232965	0	0	0.89171	0	0	0
E2F3-GSK3B	0	0.493821	0	0	0	0	0	0	0	0	0.271733	0	0.358925	0	0	0
LRP5-RPS6KB2	0	0.818052	0	0	0	0	1.126545	0	0	0	0	0	0.767925	0	0	0
GSK3B-PIK3R1	0	0	0.612142	0	0	0	0.340129	0	0	0	0	0	0.203144	0	0	0
MTOR-SOS1	0	0.399315	0.451478	0	0	0	0	0	0	0	0	0	0.443654	0	0	0
CREBBP-EP300	0	0	0	1.498428	1.102949	0	0	0	0	0	1.633514	0	0	0	0	0
MAP2K2-PDPK1	0	0	0	0	0	0	0	0.235708	0	0.293172	0	0	0	0	0.590056	0
FRAT1-FRAT2	0	2.492839	0	0	0	0	2.399588	0	0	0	0	0	1.787804	0	0	0
DVL3-TCF7L1	0	0.235766	0	0	0	0	0.340634	0	0	0	0	0	0.432573	0	0	0
MAP2K1-POLK	0	0	0	0	0	0.745869	0	0	0	0	0	0	0	0.411055	0.426471	0
EP300-MAPK1	0	0	0.258252	0.912524	0	0	0	0	0	0.625698	0	0	0	0	0	0
KRAS-POLK	0	0	0	0	0	0	0	0	0.238817	0	0.31089	0	0.824763	0	0	0
BCL2-PIK3R1	0	0	0.373759	0	0	0	0	0	0	0.259928	0	0.348256	0	0	0	0
APC-PIK3R1	0	0.295513	0	0	0	0.241145	0	0	0	0	0	0	0.302476	0	0	0
E2F2-NRAS	0	0	0	0	0.412097	0.200117	0.217834	0	0	0	0	0	0	0	0	0
EGFR-SOS1	0	0.3366	0.441619	0	0	0	0	0	0	0.394281	0	0	0	0	0	0
MAP2K2-SOS2	0	0.514442	0	0	0	0	0.22375	0	0	0.816339	0	0	0	0	0	0
BCL2-PIK3CD	0	0	0.32374	0	0	0	0	0	0	0.407814	0	0.655217	0	0	0	0
GRB2-RPS6KB1	0	0.38782	0.99033	0	0	0.919504	0	0	0	0	0	0	0	0	0	0
BAD-RPS6KB2	0	0	1.607682	0	0	0.281807	0	0	0.802097	0	0	0	0	0	0	0
AKT3-SOS1	0	0.24841	0.223468	0	0	0.343928	0	0	0	0	0	0	0	0	0	0
CDKN1A-MDM2	0	0	0	0	0.480498	0	0	0	0	0.505639	0.814951	0	0	0	0	0
AKT2-MAPK3	0	0	0	0	0	0	0	0	0	0	0.431118	0.20756	0	0.290398	0	0
PIK3CA-RAF1	0	0	0	0.211235	0	0	0	0	0	0	0	0.217537	0	0.553121	0	0
AKT3-SOS2	0	0	0	0	0.358746	0.451188	0	0	0	0	0	0	0	0.303273	0	0
NRAS-PIK3CB	0	0	0	0.219816	0	0.609391	0	0	0	0	0	0.522595	0	0	0	0
AKT1-DVL1	0	0.443294	0	0	0	0.472043	0	0	0	0	0	0	0.716475	0	0	0
MAP2K2-RPS6KB2	0	0.519566	0	0	0	0.910331	0	0	0	0	0	0.461409	0	0	0	0
BAX-MTOR	0	0.309406	0	0	0	0.205634	0	0	0	0	0	0.46354	0	0	0	0
DVL2-TP53	0	0.394705	0	0	0	0.575668	0	0	0	0	0	0.459266	0	0	0	0
APC-MTOR	0	1.095962	0.200578	0	0	0	0	0	0	0	0	0.410975	0	0	0	0
TCF7L1-TCF7L2	0	0.272704	0	0	0	0.268573	0	0	0	0	0	0	0.519872	0	0	0
PIK3CB-SOS2	0	0.436887	0	0.213743	0	0	0	0	0	0	0	0	0	0	0.323029	0
E2F1-SOS2	0	0.293076	0	0	0	0	0	0.307716	0	0	0	0.31727	0	0	0	0
HRAS-PIK3CB	0	0	0.25256	0.414805	0	0	0.207234	0	0	0	0	0	0	0	0	0
CDKN1A-HRAS	0.226133	0.241336	0	0	0	0	0.235072	0	0	0	0	0	0	0	0	0
IGF1R-PIK3R3	0	0	0	0	0.264101	0	0	0	0	0.202433	0.289858	0	0	0	0	0
E2F1-HRAS	0.317255	0	0	0	0	0.215662	0	0	0	0.258959	0	0	0	0	0	0
BRAF-GRB2	0	0	0	0.311983	0.285154	0	0	0	0	0	0	0	0.222546	0	0	0
MAP2K1-PIK3CA	0	0	0.268632	0.628365	0	0	0	0	0	0	0	0	0.292658	0	0	0
AXIN2-TCF7	0	0.487119	0	0	0	0.354466	0	0	0	0	0	0.427788	0	0	0	0
CDKN1A-MAP2K1	0	0.308243	0.246365	0	0	0	0	0.272429	0	0	0	0	0	0	0	0
HRAS-PIK3R1	0	0	0.32818	0.254887	0	0	0	0	0.225747	0	0	0	0	0	0	0
E2F3-PIK3R2	0	0	0	0.424097	0.226209	0	0	0	0.440691	0	0	0	0	0	0	0
ARAF-POLK	0	0.457973	0	0	0	0.380375	0	0	0	0	0	0	0.390776	0	0	0
BAK1-GRB2	0	0	0	0	0	0.402225	0	0	0	0	0	0.218104	0	0.352734	0	0

CDKN1A-GRB2	0	0	0	0.308132	0	0	0	0	0	0	0.233802	0	0
BAD-EP300	0	0	0	0.391321	0	0	0	0	0	0.599971	0	0	0
BRAF-PIK3CD	0	0	0.232568	0	0	0	0	0	0	0	0	0	0.294947
AKT1-ARAF	0	0	0	0.452571	0	0	0	0.322552	0	0	0	0	0
NRAS-TP53	0	0	0	0	0	0	0.423598	0.231588	0	0	0	0	0
NRAS-RB1	0	0	0	0	0.685602	0	0.417714	0	0	0	0	0	0
SMAD3-TGFA	0	0	0.433773	0	0	0	0	0	0.45225	0	0	0	0
RBX1-TCEB2	0	0	0	0.969816	0.246366	0	0	0	0	0	0	0	0
RBX1-TCEB1	0	0	0	1.254598	0.969527	0	0	0	0	0	0	0	0
MAP2K1-RB1	0	0	0	0	0	0	0	0	0	0.62805	0.382414	0	0
MAP2K2-SOS1	0	0.445743	0	0	0	0	0.337897	0	0	0	0	0	0
CSNK1A1-LRP5	0	0.414393	0	0	0	0	0	0	0	0	0	0.539221	0
EPAS1-ETS1	0	0	0	0.957489	0.403908	0	0	0	0	0	0	0	0
PLCG2-PRKCB	0	0	0	0	0	0	0.690568	0.416945	0	0	0	0	0
MAPK1-PIK3R1	0	0	0	0	0	0	0	0	0	0.484676	0.316109	0	0
CUL2-PIK3CA	0	0	0	0.66765	1.3476	0	0	0	0	0	0	0	0
FZD4-PIK3R3	0	0	0	0	0	0.333872	0	0	0	0	0.45159	0	0
FOS-JUN	0	0.796974	0.698061	0	0	0	0	0	0	0	0	0	0
E2F3-GADD45G	0	0	0	0	0	0	0	0	0.232395	0	0.277868	0	0
E2F1-PIK3R1	0	0	0	0	0	0	0	0	0.200248	0	0.247818	0	0
MAP2K2-PAK4	0	0	0	0.579856	0.230832	0	0	0	0	0	0	0	0
BAX-TGFB1	0	0	0	0	0	0	0.310582	0	0	0	0	0.351462	0
HRAS-TCEB2	0	0	0	0.833974	0.380993	0	0	0	0	0	0	0	0
EGFR-PIK3R1	0	0	0	0	0	0.358978	0	0	0	0.255421	0	0	0
CTNNB1-RAF1	0	0.990405	0	0	0	0	0	0	0	0	0.562293	0	0
BAK1-RPS6KB2	0	0.241831	0	0	0	0	0	0	0	0	0.406057	0	0
MLH1-TGFBR2	0	0	0.347435	0	0	0	0	0	0	0	0.773962	0	0
PIK3CD-RAC2	0	0	0.528345	0	0	0	0	0	0.585477	0	0	0	0
PDGFB-VEGFA	0	0	0	0.245382	0.363062	0	0	0	0	0	0	0	0
CRKL-MAPK1	0	0	0	0.531233	0.663346	0	0	0	0	0	0	0	0
PIK3CB-TGFB3	0	0	0	0.383472	0	0.441909	0	0	0	0	0	0	0
ARAF-GSK3B	0	0	0	0	0	0	0	0	0.221997	0	0	0	0.200563
APC-SOS2	0	0	0	0	0	0	0	0	0	0	0.585305	0	0.254886
PIK3CB-TCF7L2	0	0	0.270321	0	0	0	0	0	0	0	0.285545	0	0
GSK3B-MAPK1	0	0	0	0	0	0	0	0	0	0.29157	0	0	0.379639
EPAS1-PIK3R3	0	0	0	0.736348	0.381859	0	0	0	0	0	0	0	0
DVL1-RPS6KB1	0	0.232616	0	0	0	0	0.255777	0	0	0	0	0	0
TFE3-TGFB1	0	0	0	0.430463	0.262392	0	0	0	0	0	0	0	0
EGLN2-MAP2K2	0	0	0	0.760682	0.835966	0	0	0	0	0	0	0	0
BAX-DVL2	0	0.457833	0	0	0	0	0.371254	0	0	0	0	0	0
MAP2K1-TCF7	0	0	0	0	0	0.224585	0	0	0	0	0	0.268347	0
MET-PIK3R3	0	0	0.210734	0.265551	0	0	0	0	0	0	0	0	0
FZD6-MAP2K1	0	0.273235	0	0	0	0	0	0	0	0	0.238981	0	0
NRAS-RAP1A	0	0	0.228474	0.546303	0	0	0	0	0	0	0	0	0
ARAF-ELK1	0	0	0	0	0	0.65273	0	0	0	0	0	0	0.500072
DVL3-RAF1	0	0.476652	0	0	0	0.775884	0	0	0	0	0	0	0
PIK3R3-SHC2	0	0	0	0	0.236454	0.214933	0	0	0	0	0	0	0
RALB-TGFA	0	0	0.854061	0	0	0	0	0	0.689431	0	0	0	0
MAP2K2-TCEB2	0	0	0	0.674847	0.269447	0	0	0	0	0	0	0	0
PIK3CA-RPS6KB1	0	0	0	0	0	0	0	0	0.206058	0	0.488324	0	0
CDK6-RB1	0	0	0	0	0	0.311991	0	0	0	0	0.359335	0	0
AKT3-MAP2K1	0	0	0	0	0.303174	0	0	0	0.206376	0	0	0	0
BRAF-RBX1	0	0	0.782001	0.301873	0	0	0	0	0	0	0	0	0
MAPK3-POLK	0	0.518881	0	0	0	0	0	0	0	0.247998	0	0	0
EML4-SOS1	0	0	0	0	0	0	0.272396	0.945925	0	0	0	0	0
FHIT-MAP2K1	0	0	0	0	0	0	0.205509	0.227561	0	0	0	0	0
AXIN2-HRAS	0	0	0.251559	0	0	0	0	0	0	0	0	0	0.208713
HRAS-TGFBR2	0	0	0	0	0	0.377564	0	0	0	0	0.560032	0	0
ETS1-TCEB2	0	0	0	0.235912	0.586151	0	0	0	0	0	0	0	0
MAPK1-TCEB2	0	0	0	0.371427	0.695768	0	0	0	0	0	0	0	0
BAK1-SOS1	0	0	0	0	0	0	0.205134	0.341283	0	0	0	0	0
PIK3R2-RXRA	0	0	0	0	0	0	0.451795	0	0	0	0.460535	0	0
FGF1-MAP2K2	0	0.217557	0	0	0	0	0	0	0	0	0.219776	0	0
PLCG1-STAT5B	0	0	0	0	0	0	0.322458	0.257558	0	0	0	0	0
APC-KRAS	0	0	0.390216	0	0	0	0	0	0	0	0	0	0.443835
AXIN1-JUN	0	0.385348	0.258685	0	0	0	0	0	0	0	0	0	0
BRAF-GSK3B	0	0.304427	0	0	0	0	0	0	0	0	0.70647	0	0
BAD-HIF1A	0	0	0.202984	0.220122	0	0	0	0	0	0	0	0	0
BRCA2-E2F3	0	0.210945	0	0	0	0	0	0	0.404308	0	0	0	0
RASSF5-STAT5A	0	0	0	0	0	0	0.509138	0.551668	0	0	0	0	0
RPS6KB2-TGFBR1	0	0	0	0	0	0	0	0	0.263148	0	0.214575	0	0
PDGFC-PDGFR	0	0	0	0	0	0	0	0	0.810878	0.206371	0	0	0
EP300-TCEB2	0	0	0	0.426962	0.730214	0	0	0	0	0	0	0	0
BAD-RPS6KB1	0	0	0.368631	0	0	0	0	0	0.564494	0	0	0	0
BAK1-PIK3R3	0	0	0.325661	0	0	0	0	0	0	0	0.39443	0	0
HRAS-PAK2	0	0	0	0.224182	0.207273	0	0	0	0	0	0	0	0
BRAF-CRK	0	0	0	0.280659	0.44477	0	0	0	0	0	0	0	0

PIK3R3-SOS2	0	0	0	0.445192	0.211103	0	0	0	0	0	0	0	0	0	0	0
AKT1-AKT3	0	0.281648	0	0	0	0	0	0	0.221741	0	0	0	0	0	0	0
CDC42-RAP1A	0	0	0	0.705738	0.762829	0	0	0	0	0	0	0	0	0	0	0
EGFR-MAPK3	0	0	0	0	0	0.309134	0	0	0.20097	0	0	0	0	0	0	0
FHIT-RASSF1	0	0	0	0	0	0	0	0.235786	0.276725	0	0	0	0	0	0	0
BAK1-FRAT2	0	0	0	0	0	0	0.647729	0	0	0	0	0.3499	0	0	0	0
LEF1-TCF7	0	0	0	0	0	0	0	0	0	0.414264	0	0	0.252398	0	0	0
E2F1-MAP2K2	0	0	0	0	0.25433	0	0	0	0	0.260093	0	0	0	0	0	0
PIK3CD-STAT5A	0	0	0	0	0	0	0.796442	0.272327	0	0	0	0	0	0	0	0
CDKN1A-JUN	0	0	0.267801	0.29027	0	0	0	0	0	0	0	0	0	0	0	0
CTNNB1-TGFBR2	0	0	0	0	0	0	1.077318	0	0	0	0	0	0.469792	0	0	0
BAD-MAPK1	0	0	0	0	0	0	0	0.226672	0.461744	0	0	0	0	0	0	0
EGFR-PIK3CB	0	0	0.724544	0	0	0	0	0	0.518253	0	0	0	0	0	0	0
CTNNB1-PIK3CA	0	0	0	0	0	0.401843	0	0	0	0.277159	0	0	0	0	0	0
E2F2-POLK	0	0	0	0	0	0	0	0	0.229348	0	0	0.238919	0	0	0	0
BCL2L1-E2F1	0	0	0	0	0	0	0.214531	0	0	0.303844	0	0	0	0	0	0
BAX-PTEN	0	0.271819	0	0	0	0	0	0	0	0	0.260776	0	0	0	0	0
AKT1-MAPK3	0	0.411961	0	0	0	0	0	0	0	0	0	0.382957	0	0	0	0
ETS1-PDGFB	0	0	0	0.719837	0.362059	0	0	0	0	0	0	0	0	0	0	0
CCNE1-E2F1	0	0	0	0	0	0	0	0	0	0.82073	0	0.42546	0	0	0	0
AKT2-PDGFC	0	0	0	0	0	0	0	0	0	0.313464	0.340209	0	0	0	0	0
ARAF-SOS1	0	0.425764	0	0	0.497645	0	0	0	0	0	0	0	0	0	0	0
AKT3-BRAF	0	0	0	0	0	0.89508	0	0	0	0	0	0.230161	0	0	0	0
PIK3CA-RASSF1	0	0	0	0	0	0	0	0.579613	0.456439	0	0	0	0	0	0	0
SOS2-TCEB2	0	0	0	0.389042	0.338591	0	0	0	0	0	0	0	0	0	0	0
BRAF-E2F3	0	0	0	0	0	0.261085	0	0	0	0	0.312502	0	0	0	0	0
ARAF-KRAS	0	0	0	0	0.285672	0.388489	0	0	0	0	0	0	0	0	0	0
IGF1-PIK3CD	0	0.202371	0	0	0	0.470419	0	0	0	0	0	0	0	0	0	0
EPAS1-VEGFA	0	0	0	0.22906	0.281097	0	0	0	0	0	0	0	0	0	0	0
GAB1-TCF7L1	0	0	0	0	0	0	0.357106	0	0	0	0	0	0.346694	0	0	0
AKT2-PAK4	0	0	0	1.481072	0.838236	0	0	0	0	0	0	0	0	0	0	0
CTNNB1-PIK3R1	0	0.293707	0	0	0	0	0	0	0	0.216062	0	0	0	0	0	0
FRAT1-GADD45B	0	0.311825	0	0	0	0	0.207582	0	0	0	0	0	0	0	0	0
FRAT2-FZD5	0	0	0	0	0	0	0.559214	0	0	0	0	0	0.376151	0	0	0
PRKCB-STK4	0	0	0	0	0	0	0	0.603137	0.520907	0	0	0	0	0	0	0
PIK3R2-POLK	0	0	0.32478	0	0	0	0	0	0.444103	0	0	0	0	0	0	0
ARAF-BAX	0	0.218155	0	0	0	0.452441	0	0	0	0	0	0	0	0	0	0
CDK2-CDKN1B	0	0	0	0	0	0	0	0	0	0.243346	0	0.258471	0	0	0	0
MAPK3-MDM2	0	0	0	0	0	0.210996	0	0	0	0	0.330831	0	0	0	0	0
CDK6-NRAS	0	0	0	0	0	0.300029	0	0	0	0	0	0.46989	0	0	0	0
ARAF-RPS6KB2	0	0.425148	0	0	0	0	0	0	0	0	0	0.260443	0	0	0	0
BRAF-GADD45A	0	0	0	0	0	0	0.374967	0	0	0	0	0	0.222506	0	0	0
NRAS-PAK2	0	0	0	0.601886	0.32721	0	0	0	0	0	0	0	0	0	0	0
FRAT2-MYC	0	0.327308	0	0	0	0	0.23688	0	0	0	0	0	0	0	0	0
SMAD4-TGFBR1	0	0	0	0	0	0	0.228851	0	0	0	0	0	0.303599	0	0	0
NRAS-RPS6KB1	0	0	0	0	0	0	0.203507	0	0	0	0	0	0.255839	0	0	0
AKT3-KRAS	0	0	0	0.244623	0.519429	0	0	0	0	0	0	0	0	0	0	0
E2F1-PLCG1	0	0	0	0	0	0	0	0.31158	0.419178	0	0	0	0	0	0	0
CCNE2-MAP2K2	0	0	0	0	0	0	0	0	0	0.359772	0	0.355872	0	0	0	0
EP300-PIK3CA	0	0	0	0.361152	0.462431	0	0	0	0	0	0	0	0	0	0	0
GAB1-MAP2K2	0	0	0	0.462222	0	0	0	0	0	0	0	0	0.255242	0	0	0
HIF1A-MAP2K1	0	0	0	0.670014	0.34377	0	0	0	0	0	0	0	0	0	0	0
AXIN1-CDKN1A	0	0.208572	0.279561	0	0	0	0	0	0	0	0	0	0	0	0	0
E2F1-PDGFB	0	0	0	0	0	0	0	0	0	0.309353	0.332547	0	0	0	0	0
MAPK3-RPS6KB1	0	0	0.328144	0	0	0	0	0	0	0.200426	0	0	0	0	0	0
GSK3B-MAP2K2	0	0	0	0	0	0	0	0	0	0.295883	0	0.379001	0	0	0	0
CREBBP-RBX1	0	0	0	0.536654	0.807807	0	0	0	0	0	0	0	0	0	0	0
ARAF-TCF7L1	0	0.204119	0	0	0	0	0.235606	0	0	0	0	0	0	0	0	0
CSNK1A1-POLK	0	0.908425	0	0	0	0	0.711812	0	0	0	0	0	0	0	0	0
GADD45B-PIK3CB	0	0	0	0	0	0	0	0	0.386672	0	0.263121	0	0	0	0	0
MAP2K1-TCF7L1	0	0.208207	0	0	0	0	0	0	0	0	0	0	0.361723	0	0	0
ERBB2-MAPK3	0	0	0	0	0	0	0	0.293677	0.269425	0	0	0	0	0	0	0
BAD-BRAF	0	0	0	0	0	0	0.333424	0	0	0.487862	0	0	0	0	0	0
PIK3CA-PTEN	0	0	0	0	0.275343	0	0	0	0	0	0	0.302778	0	0	0	0
AXIN2-CTNNB1	0	0	0.201219	0	0	0	0	0	0	0	0	0	0.440535	0	0	0
CREBBP-TCEB1	0	0	0	0.435119	0.515074	0	0	0	0	0	0	0	0	0	0	0
POLK-RPS6KB2	0	0	0	0	0	0	0	0	0	0.514393	0	0.25	0	0	0	0
BRAF-POLK	0	0	0	0	0	0.860298	0	0	0	0	0	0	0.235368	0	0	0
MDM2-TP53	0	0	0	0	0	0	0	0	0	0.37053	0.308819	0	0	0	0	0
GRB2-MAPK1	0	0.249775	0	0	0	0	0	0	0	0	0	0	0	0	0.288582	0
CCND1-RB1	0	0.397255	0	0	0	0	0.23354	0	0	0	0	0	0	0	0	0
MAPK1-POLK	0	0	0	0	0	0	0	0	0	0	0	0	0	0.403686	0.331306	0
MAP2K1-PIK3CB	0	0.683612	0	0	0	0	0	0	0	0.641753	0	0	0	0	0	0
EGLN2-HRAS	0	0	0	0.866421	0.535271	0	0	0	0	0	0	0	0	0	0	0
CDK4-PIK3CB	0	0	0	0	0	0.289768	0	0	0	0	0	0.351177	0	0	0	0
KRAS-PTPN11	0	0	0	0.466511	1.15519	0	0	0	0	0	0	0	0	0	0	0
MAP2K1-SMAD3	0	0	0.30626	0	0	0	0	0	0	0	0	0	0.326473	0	0	0

BAD-POLK	0	0	0	0	0	0	0	0	0	0	0.359889	0	0	0	0	0.304918
SOS2-TGFBR1	0	0	0.341789	0	0	0	0	0	0	0	0	0	0	0.322272	0	0
DVL1-LRP5	0	0.268164	0	0	0	0	0	0.203089	0	0	0	0	0	0	0	0
JAK3-PIK3CD	0	0	0	0	0	0	0	0.722185	0.537787	0	0	0	0	0	0	0
GRB2-VEGFA	0	0	0	0.406154	0.282656	0	0	0	0	0	0	0	0	0	0	0
MAP2K1-MAPK8	0	0	0.232175	0	0	0	0	0	0	0.733925	0	0	0	0	0	0
PDGFRA-PDGFRB	0	0	0	0	0	0	0	0	0	0	1.038893	0.804524	0	0	0	0
JAK3-STAT5A	0	0	0	0	0	0	0	0.308313	0.529534	0	0	0	0	0	0	0
ERBB2-MAP2K1	0	0	0	0	0	0	0	0.311872	0.200315	0	0	0	0	0	0	0
MAPK1-TCF7	0	0	0.30577	0	0	0	0	0	0	0	0	0	0	0.259614	0	0
AXIN1-MAP2K1	0	0.258388	0.257456	0	0	0	0	0	0	0	0	0	0	0	0	0
AKT1-PIK3R3	0	0.344262	0	0	0	0	0	0	0	0	0	0	0	0	0	0.477778
GADD45A-JUN	0	0.22806	0.278362	0	0	0	0	0	0	0	0	0	0	0	0	0
BAK1-MAPK3	0	0	0.355717	0	0	0	0	0	0	0	0.566298	0	0	0	0	0
MTOR-PIK3CB	0	0	0	0	0	0	0	0.499991	0	0	0	0	0	0.221618	0	0
BAX-PLCG2	0	0	0	0	0	0.242472	0.251862	0	0	0	0	0	0	0	0	0
GADD45G-KRAS	0	0	0	0	0	0	0	0	0	0.242875	0	0.291228	0	0	0	0
AKT2-E2F1	0	0	0	0	0	0	0	0.418304	0	0	0	0.315048	0	0	0	0
MAP2K2-MAPK3	0	0.375707	0	0	0	0	0	0	0	0	0	0	0.205956	0	0	0
MAP2K2-MAPK1	0.345803	0	0	0	0	0	0.208401	0	0	0	0	0	0	0	0	0
AXIN1-CSNK1A1	0	0.262825	0	0	0	0	0.326919	0	0	0	0	0	0	0	0	0
E2F1-E2F3	0	0	0	0	0	0	0.20537	0	0	0	0	0	0	0.262894	0	0
DDB2-E2F3	0	0.562874	0	0	0	0	0	0.317747	0	0	0	0	0	0	0	0
CDK4-PIK3R2	0	0.436029	0	0	0	0	0.382863	0	0	0	0	0	0	0	0	0
ARAF-RB1	0.314476	0	0	0	0	0	0	0	0	0	0	0	0.247534	0	0	0
AKT1-PIK3CB	0	0.497795	0	0	0	0	0	0	0	0	0	0	0.333681	0	0	0
PIK3CA-PTPN11	0	0	0	0.644304	0.483738	0	0	0	0	0	0	0	0	0	0	0
BRAF-MTOR	0	0	0	0	0	0.939219	0	0	0	0	0	0	0	0.669583	0	0
MAPK1-RAF1	0.28922	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.282444
HRAS-PDPK1	0	0	0	0	0	0	0	0	0	0	0.319028	0	0	0	0	0.239265
RAC1-RALA	0	0	2.740405	0	0	0	0	0	0	0.567296	0	0	0	0	0	0
BAK1-E2F3	0	0.320504	0	0	0	0	0.609561	0	0	0	0	0	0	0	0	0
DVL3-E2F1	0	0.363	0	0	0	0	0	0	0	0	0	0	0	0.233247	0	0
STAT5A-STAT5B	0	0	0	0	0	0	0	0.548464	0.877063	0	0	0	0	0	0	0
AKT1-BRAF	0	0	0	0	0	0	0.251051	0	0	0	0	0	0	0	0	0.262446
PIK3CD-WNT10A	0	0.270273	0	0	0	0	0.380761	0	0	0	0	0	0	0	0	0
CTNNB1-MTOR	0	0.245336	0	0	0	0	0	0	0	0	0	0	0	0	0.219191	0
GADD45B-PDGFB	0	0	0	0	0	0.307646	0	0	0	0	0	0.200084	0	0	0	0
GADD45G-POLK	0	0.286949	0	0	0	0	0	0	0.206939	0	0	0	0	0	0	0
GSK3B-PDPK1	0	0	0	0	0	0	0	0	0	0	0.752136	0	0	0	0	0.43697
E2F2-PIK3R3	0	0	0	0	0	0.223444	0	0	0	0	0	0	0.234024	0	0	0
BAX-MET	0	0	0	0	0	0	0.252688	0	0	0	0	0	0	0.241571	0	0
MAPK3-MYC	0	0	0.24841	0	0	0	0	0	0	0	0	0	0.254915	0	0	0
PIK3CD-POLK	0	0	0	0	0	0	0	0	0.237168	0	0	0.604069	0	0	0	0
EPAS1-MAPK3	0	0	0	0.508518	0.335585	0	0	0	0	0	0	0	0	0	0	0
APC-TCF7L2	0	0	0.211609	0	0	0	0	0	0	0	0	0	0	0.298466	0	0
KRAS-RB1	0	0	0	0	0	0.218817	0	0	0	0	0	0.351247	0	0	0	0
GADD45A-MTOR	0	0.271805	0	0	0	0	0.215092	0	0	0	0	0	0	0	0	0
PIK3R3-TGFB1	0	0	0	0	0	0	0.25793	0	0	0.289202	0	0	0	0	0	0
APC2-MAP2K2	0	0.256438	0	0	0	0	0.223822	0	0	0	0	0	0	0	0	0
AKT3-TGFBR1	0	0	0.566866	0	0	0	0	0	0	0	0	0	0	0.248641	0	0
EGLN1-HRAS	0	0	0	0.312997	0.273165	0	0	0	0	0	0	0	0	0	0	0
KRAS-LRP6	0	0.985111	0	0	0	0	0.368645	0	0	0	0	0	0	0	0	0
BRCA2-RB1	0	0.606104	0	0	0	0	0	0	0	0.734175	0	0	0	0	0	0
EGFR-MAP2K1	0	0	0	0	0	0	0.211707	0	0	0	0	0	0	0	0	0.266849
MAPK3-TCEB2	0	0	0	0.462786	0.730835	0	0	0	0	0	0	0	0	0	0	0
E2F3-PLCG1	0	0	0	0	0	0	0	0.421437	0.435826	0	0	0	0	0	0	0
FZD4-TGFBR2	0	0	0	0	0	0	0.407349	0	0	0	0	0	0	0.316498	0	0
DVL3-FZD2	0	0.267439	0	0	0	0	0	0	0	0	0	0	0	0.315912	0	0
BAK1-DVL2	0	0.212365	0	0	0	0	0	0	0	0	0	0	0.221707	0	0	0
BAD-E2F3	0	0	0	0	0	0	0	0.51004	0.328027	0	0	0	0	0	0	0
FOXO3-SOS1	0	0	0	0	0	0	0	0.431966	0.373098	0	0	0	0	0	0	0
ERBB2-STAT3	0	0	0	0	0	0	0	0.514155	0.244047	0	0	0	0	0	0	0
NRAS-PIK3CD	0	0	0	0	0	0	0	0	0	0	0	0.470438	0	0	0	0.204256
FRAT2-SOS2	0	0	0	0	0	0	0.253249	0	0	0	0	0	0	0.211498	0	0
NRAS-POLK	0	0	0	0	0	0	0	0	0.257625	0	0	0.318003	0	0	0	0
JAK3-STK4	0	0	0	0	0	0	0	0.252551	0.273874	0	0	0	0	0	0	0
MTOR-RAF1	0	0	0	0	0	0	0.257417	0	0	0	0	0	0	0.558183	0	0
GSK3B-HRAS	0	0	0.234233	0	0	0	0	0	0	0	0.430304	0	0	0	0	0
GADD45A-KRAS	0	0	0	0	0	0	0.317055	0	0.206659	0	0	0	0	0	0	0
GAB1-SOS2	0	0	0	0.277236	0	0	0.222645	0	0	0	0	0	0	0	0	0
MAPK1-MAPK8	0	0	0.234717	0	0	0	0	0	0	0.790146	0	0	0	0	0	0
EGF-PIK3R2	0	0	0	0	0	0.421665	0	0	0	0	0.287697	0	0	0	0	0
BAD-EGLN2	0	0	0	0.20934	0.446556	0	0	0	0	0	0	0	0	0	0	0
RBX1-SOS1	0	0	0	0.371107	0.568626	0	0	0	0	0	0	0	0	0	0	0
BRCA2-KRAS	0	0.321054	0	0	0	0	0	0	0	0	0.200354	0	0	0	0	0
MET-RPS6KB2	0	0	0	0	0	0	0.29875	0	0	0	0	0	0	0.219452	0	0

CHUK-TGFB1	0	0	0	0	0	0	0	0	0	0	0.437558	0	0	0	0	0
CDC42-GADD45G	0	0	0	0	0	0	0	0	0	0	0.327066	0	0	0	0	0
ERG-GRB2	0	0	0	0	0	0	0	0	0	0	0.240709	0	0	0	0	0
RB1-TCF7L2	0	0	0	0	0	0	0	0	0	0	0.274268	0	0	0	0	0
CDK4-DVL3	0	0.285831	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHC2-SOS1	0	0.235504	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IKBKG-RP56KB2	0	0	0	0	0	0	0	0	0	0	0.787988	0	0	0	0	0
ARID1A-FRAT1	0	0	0	0	0	0	0	0	0.371945	0	0	0	0	0	0	0
IKKB8-SMAD3	0	0	0	0	0	0	0	0	0	0	0.56859	0	0	0	0	0
ARID2-KRAS	0	0	0	0	0	0	0.447953	0	0	0	0	0	0	0	0	0
ARID2-CSNK1A1	0	0	0	0	0	0	0.586132	0	0	0	0	0	0	0	0	0
HES1-NFKB2	0	0.217478	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AKT2-CCND1	0	0	0	0	0	0	0	0	0	0	0	0.387501	0	0	0	0
DDB2-GADD45A	0	0	0.266001	0	0	0	0	0	0	0	0	0	0	0	0	0
JAK1-NFKB1	0	0	0	0	0	0	0	0	0	0.520757	0	0	0	0	0	0
PBRM1-RAF1	0	0	0	0	0	0.976202	0	0	0	0	0	0	0	0	0	0
CDKN1A-RELA	0	0	0	0	0	0	0	0	0	0	0.231858	0	0	0	0	0
CALM3-CDKN1A	0	0	0	0	0	0.260076	0	0	0	0	0	0	0	0	0	0
KRAS-TP53	0	0	0	0	0	0	0	0	0	0	0	0.307936	0	0	0	0
GAB1-TCEB1	0	0	0	0	0.2839	0	0	0	0	0	0	0	0	0	0	0
PIK3R1-TGFBR2	0	0	0	0	0	0	0	0	0	0	0.528434	0	0	0	0	0
AR-MAPK1	0	0	0	0	0	0	0	0	0	0	0.331967	0	0	0	0	0
PDGFRA-RAF1	0	0	0	0	0	0.405463	0	0	0	0	0	0	0	0	0	0
AKT1-PDPK1	0	0	0	0	0	0	0	0	0.217192	0	0	0	0	0	0	0
LRP6-NOTCH2	0	0.217704	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ELK1-SOS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.369742	0
PIK3CD-TCEB1	0	0	0	0	0.208677	0	0	0	0	0	0	0	0	0	0	0
DVL1-MYC	0	0.225233	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CREB1-SOS1	0	0	0	0	0	0	0	0	0	0	0.349421	0	0	0	0	0
CREB1-SOS2	0	0	0	0	0	0	0	0	0	0	0.447227	0	0	0	0	0
NRAS-SLC2A1	0	0	0	0	0.298784	0	0	0	0	0	0	0	0	0	0	0
IL1R2-NFKBIA	0	0	0	0	0	0	0	0	0	0	0.243163	0	0	0	0	0
FGF2-JAG1	0	0.21136	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GAB1-RBX1	0	0	0	0.205484	0	0	0	0	0	0	0	0	0	0	0	0
CTNNB1-GADD45G	0	0	0	0	0	0	0	0	0	0	0	0	0	0.233837	0	0
MAP2K1-MAP2K2	0.215204	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NRAS-TCEB2	0	0	0	0.244293	0	0	0	0	0	0	0	0	0	0	0	0
BRCA1-POLK	0	0.294036	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AR-MAP2K1	0	0	0	0	0	0	0	0	0	0	0.247652	0	0	0	0	0
CSNK1A1-MAPK3	0	0	0	0	0	0	0.747263	0	0	0	0	0	0	0	0	0
NFKB1-RAC3	0	0	0	0	0	0	0	0	0	0.630047	0	0	0	0	0	0
GSK3B-RB1	0	0	0	0	0	0	0	0	0	0	0.292637	0	0	0	0	0
CASP3-TCF7L1	0	0	0.3888	0	0	0	0	0	0	0	0	0	0	0	0	0
CCNE1-CREB3L4	0	0	0	0	0	0	0	0	0	0	0.248811	0	0	0	0	0
BAK1-LRP6	0	0	0	0	0	0	0	0	0	0	0	0.338368	0	0	0	0
ARAF-FGF17	0	0	0	0	0	0	0	0	0	0	0.273158	0	0	0	0	0
GAB1-TGFA	0	0	0	0.258089	0	0	0	0	0	0	0	0	0	0	0	0
FRAT2-TP53	0	0.208908	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RP56KB2-SMARCB	0	0	0	0	0	0	0.267533	0	0	0	0	0	0	0	0	0
CASP9-PIK3R3	0	0	0	0	0	0	0	0	0.31968	0	0	0	0	0	0	0
E2F1-TGFBR1	0	0	0	0	0	0	0	0	0	0	0	0	0.21307	0	0	0
HRAS-RAC3	0	0	0.335068	0	0	0	0	0	0	0	0	0	0	0	0	0
GADD45A-TGFB3	0	0	0	0	0	0	0	0	0	0.555823	0	0	0	0	0	0
FZD2-SOS2	0	0.218595	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AXIN2-RARB	0	0	0	0	0	0	0	0	0	0	0	0.200324	0	0	0	0
ARAF-BCL2	0	0	0	0	0	0	0	0	0	0	0.266964	0	0	0	0	0
ACTL6B-PHF10	0	0	0	0	0	0	0.219453	0	0	0	0	0	0	0	0	0
GSTP1-TCF7	0	0	0	0	0	0	0	0	0	0	0.265804	0	0	0	0	0
NRAS-SMARCD2	0	0	0	0	0	0	0.238085	0	0	0	0	0	0	0	0	0
IGF1-PLCG2	0	0	0	0	0	0.57998	0	0	0	0	0	0	0	0	0	0
AKT2-RP56KB1	0	0	0	0	0	0	0.276017	0	0	0	0	0	0	0	0	0
MTOR-PIK3R2	0	0.345504	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CREB3-KLK3	0	0	0	0	0	0	0	0	0	0	0.50653	0	0	0	0	0
RB1-WNT5A	0	0	0	0	0	0	0	0	0	0	0	0.224976	0	0	0	0
ESR2-NOTCH4	0	0.266013	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PTEN-SPINT1	0	0	0	0	0	0	0	0	0	0.244767	0	0	0	0	0	0
PBRM1-SOS2	0	0	0	0	0	0	0.497418	0	0	0	0	0	0	0	0	0
PLCG1-RXR	0	0	0	0	0	0	0	0.340395	0	0	0	0	0	0	0	0
GADD45B-RASSF1	0	0	0	0	0	0	0	0	0.399178	0	0	0	0	0	0	0
PIK3CA-PRKCA	0	0	0	0	0	0.450382	0	0	0	0	0	0	0	0	0	0
AXIN2-RALB	0	0	0.229868	0	0	0	0	0	0	0	0	0	0	0	0	0
BAK1-SHC1	0	0	0	0	0	0	0.632633	0	0	0	0	0	0	0	0	0
POLK-SMAD2	0	0	0	0	0	0	0	0	0	0	0	0.396772	0	0	0	0
PIK3CA-TXNRD2	0	0	0	0	0	0	0.375032	0	0	0	0	0	0	0	0	0
APPL1-CDKN1A	0	0	0.278487	0	0	0	0	0	0	0	0	0	0	0	0	0
DVL3-TCF7L2	0	0.20612	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PDGFB-PDGFD	0	0	0	0	0	0	0	0	0	0	0.763158	0	0	0	0	0

PTPN11-TCEB2	0	0	0	0.262638	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BRAF-TPR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.220588	0	0
CALML6-SOS2	0	0	0	0	0	0.298655	0	0	0	0	0	0	0	0	0	0	0	0	0
BAK1-BAX	0	0.547029	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IGF1R-NFKB2	0	0.255978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CALM1-SHC2	0	0	0	0	0	0.210194	0	0	0	0	0	0	0	0	0	0	0	0	0
BCL2-PIK3R3	0	0	0.266205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AR-SOS1	0	0	0	0	0	0	0	0	0	0	0	0	0.371522	0	0	0	0	0	0
CREB3L2-EGFR	0	0	0	0	0	0	0	0	0	0	0	0	0.295897	0	0	0	0	0	0
PDGFRB-ZEB1	0	0	0	0	0	0	0	0	0	0	0	0	1.351613	0	0	0	0	0	0
CREB3-ERBB2	0	0	0	0	0	0	0	0	0	0	0	0	0.288558	0	0	0	0	0	0
HEY1-MTOR	0	0.412143	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CREB5-ZEB1	0	0	0	0	0	0	0	0	0	0	0	0	0.409385	0	0	0	0	0	0
HRAS-PDGFB	0	0	0	0.277643	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AKT3-ETS1	0	0	0	0.472989	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PLD1-TP53	0	0	0	0	0	0	0	0	0	0	0	0.221884	0	0	0	0	0	0	0
PLCG2-RASSF5	0	0	0	0	0	0	0	0.238648	0	0	0	0	0	0	0	0	0	0	0
CYCS-SMAD3	0	0	0.347988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PDGFA-RAF1	0	0	0	0	0	0.25127	0	0	0	0	0	0	0	0	0	0	0	0	0
NRAS-SMARCC1	0	0	0	0	0	0	0.448256	0	0	0	0	0	0	0	0	0	0	0	0
CHUK-PIK3CB	0	0	0	0	0	0	0	0	0	0	0	0	0.360463	0	0	0	0	0	0
MAPK10-PIK3CB	0	0	0	0	0	0	0	0	0	0	0	0.304838	0	0	0	0	0	0	0
MAPK10-PIK3CD	0	0	0.211821	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LRP5-RAF1	0	0	0	0	0	0	0.481335	0	0	0	0	0	0	0	0	0	0	0	0
CDK4-RB1	0	0.23835	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CASP3-RHOA	0	0	0.395617	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CDKN1A-DLL4	0	0.203882	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ACTL6A-SMAD2	0	0	0	0	0	0	0.472533	0	0	0	0	0	0	0	0	0	0	0	0
PLCG1-RB1	0	0	0	0	0	0	0	0.370419	0	0	0	0	0	0	0	0	0	0	0
MGST2-SMARCA4	0	0	0	0	0	0	0.242769	0	0	0	0	0	0	0	0	0	0	0	0
CDKN1A-CREB1	0	0	0	0	0	0	0	0	0	0	0	0.211163	0	0	0	0	0	0	0
BAK1-SOS2	0	0	0	0	0	0	0	0.218652	0	0	0	0	0	0	0	0	0	0	0
BAD-MITF	0	0	0	0	0	0	0	0	0	0	0	0	0	0.315883	0	0	0	0	0
CDK4-RAC3	0	0	0	0	0	0	0	0	0	0	0	0.213698	0	0	0	0	0	0	0
CREB3L2-PDPK1	0	0	0	0	0	0	0	0	0	0	0	0	0.400161	0	0	0	0	0	0
MAP2K1-PIK3R3	0	0	0.503344	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JAG2-WNT9A	0	0.206028	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BAD-PIK3R1	0	0	0	0	0	0	0	0	0	0	0	0.322006	0	0	0	0	0	0	0
GRB2-PIK3R3	0	0	0	0	0	0	0	0	0.201902	0	0	0	0	0	0	0	0	0	0
BAD-PIK3R2	0	0	0	0.21716	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EP300-GAB1	0	0	0	0	0.263324	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ETS1-GAB1	0	0	0	0.206555	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BIRC5-MSH6	0	0	0.416386	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BIRC5-MSH2	0	0	0.327426	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PDPK1-PIK3CB	0	0	0	0	0	0	0	0.318196	0	0	0	0	0	0	0	0	0	0	0
PDPK1-PIK3CA	0	0	0	0	0	0	0	0	0	0	0	0	0.202439	0	0	0	0	0	0
DVL3-MGST2	0	0	0	0	0	0	0.405041	0	0	0	0	0	0	0	0	0	0	0	0
CAMK2D-PIK3CA	0	0	0	0	0	0	0.425705	0	0	0	0	0	0	0	0	0	0	0	0
CTNNB1-EGF	0	0	0.241736	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MET-TGFB3	0	0	0	0.241123	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GADD45A-PMAIP1	0	0	0.378097	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LRP6-TGFB1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.445795	0	0	0	0	0
ACTB-PIK3CD	0	0	0	0	0	0	0.329534	0	0	0	0	0	0	0	0	0	0	0	0
MAP2K2-TGFB1	0	0	0.244503	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FGF7-IGF1	0	0.621354	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ARRGFE6-RAC3	0	0	0	0	0	0	0	0	0	0	0	0.238705	0	0	0	0	0	0	0
E2F3-JUP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.23769	0	0	0	0
ARRGFE6-RAC1	0	0	0	0	0	0	0	0	0	0	0	0.277059	0	0	0	0	0	0	0
GAB1-PRCC	0	0	0	0	0.383234	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STAT3-STAT5A	0	0	0	0	0	0	0	0	0	0.459631	0	0	0	0	0	0	0	0	0
MSH2-MSH6	0	0	0.873176	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ETV5-PDGFC	0	0	0	0	0	0	0	0	0	0	0	0	0.302911	0	0	0	0	0	0
FGFR2-PDGFR1	0	0	0	0	0	0	0	0	0	0	0	0	0.260812	0	0	0	0	0	0
POLK-PRKCB	0	0	0	0	0	0	0	0	0.277167	0	0	0	0	0	0	0	0	0	0
PRKCA-SOS2	0	0	0	0	0	0	0.244048	0	0	0	0	0	0	0	0	0	0	0	0
ERG-RELA	0	0	0	0	0	0	0	0	0	0	0	0.222229	0	0	0	0	0	0	0
NRAS-TXNRD2	0	0	0	0	0	0	0.21658	0	0	0	0	0	0	0	0	0	0	0	0
HSP90B1-SPINT1	0	0	0	0	0	0	0	0	0	0	0	0.475317	0	0	0	0	0	0	0
GSTM4-SMARCC1	0	0	0	0	0	0	0.289472	0	0	0	0	0	0	0	0	0	0	0	0
MTOR-NOTCH2	0	0.433068	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BRAF-PIK3R1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.276089	0	0	0	0	0
BRAF-PIK3R3	0	0	0	0	0	0.204609	0	0	0	0	0	0	0	0	0	0	0	0	0
ARAF-CSNK1A1L	0	0.24103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAP2K1-PDPK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.632354	0
BCL2-LEF1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.403203	0	0	0	0
NOTCH3-PIK3CB	0	0.227361	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DVL3-LRP5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.606255	0	0	0	0

ACTL6A-PIK3CA	0	0	0	0	0	0	0	1.27	0	0	0	0	0	0	0	0	0	0	0
KRAS-SMAD2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.242283	0	0	0	0
FGF7-PDGFRB	0	0	0	0	0	0	0	0	0	0	0	0	0	0.236938	0	0	0	0	0
FGF7-PDGFRB	0	0	0	0	0	0	0	0	0	0	0	0	0	0.329113	0	0	0	0	0
CDK2-GRB2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.521753	0	0	0	0
CDK6-STK4	0	0	0	0	0	0	0	0.460077	0	0	0	0	0	0	0	0	0	0	0
PIK3CD-RB1	0	0.449295	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FOXO3-LEF1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.214309
DDB2-PIK3CD	0	0	0	0	0	0	0	0.539547	0	0	0	0	0	0	0	0	0	0	0
NFKB2-PIK3CD	0	1.05301	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZD4-TGFB3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.459016	0	0	0	0
GRB2-PIK3CA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.235048
ERBB2-LRP5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.238359	0	0	0	0
CALML6-PLCG1	0	0	0	0	0	0	0	0.400181	0	0	0	0	0	0	0	0	0	0	0
CDKN1A-CSNK1A1	0	0.392797	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JAG2-KRAS	0	0.212342	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E2F1-TCF7L1	0	0	0	0	0	0	0	0.25043	0	0	0	0	0	0	0	0	0	0	0
RPS6KB1-SOS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.276078	0	0	0	0
E2F3-FRAT1	0	0.229177	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TGFB3-WNT5A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.230639	0	0	0	0
FZD5-FZD6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3324	0	0	0	0
PIK3CA-SMAD2	0	0	0	0	0	0	0	0.454658	0	0	0	0	0	0	0	0	0	0	0
GSTP1-RAF1	0	0	0	0	0	0	0	0.306161	0	0	0	0	0	0	0	0	0	0	0
AR-CCNE2	0	0	0	0	0	0	0	0	0	0	0	0	0.307273	0	0	0	0	0	0
CTNNB1-NRAS	0	0	0.306954	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
APC-GSK3B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.223759
GADD45G-HRAS	0	0	0	0	0	0	0	0	0	0	0	0	0	0.208987	0	0	0	0	0
BRD7-GADD45G	0	0	0	0	0	0	0	0.203684	0	0	0	0	0	0	0	0	0	0	0
RPS6KB1-SMARCE1	0	0	0	0	0	0	0	1.123968	0	0	0	0	0	0	0	0	0	0	0
DDB2-JAG2	0	0.210787	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AKT2-STAT5A	0	0	0	0	0	0	0	0	0.334702	0	0	0	0	0	0	0	0	0	0
FZD1-MAPK3	0	0	0	0	0	0	0	0.233544	0	0	0	0	0	0	0	0	0	0	0
PDGFB-POLK	0	0	0	0	0	0	0	0	0	0	0	0	0	0.414466	0	0	0	0	0
BRCA1-E2F1	0	0.370852	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DDB2-PDGFRB	0	0	0	0	0	0	0	0	0	0	0	0	0	0.217628	0	0	0	0	0
CDK4-E2F2	0	0	0	0	0	0	0	0.256515	0	0	0	0	0	0	0	0	0	0	0
PIK3R2-TGFB2	0	0	0	0	0	0.336931	0	0	0	0	0	0	0	0	0	0	0	0	0
HSP90AA1-KRAS	0	0	0	0	0	0	0	0	0	0	0	0	0.243028	0	0	0	0	0	0
BAX-MDM2	0	0	0	0	0	0	0	0	0	0	0	0	0	0.245413	0	0	0	0	0
BRCA2-MAPK8	0	0	0	0	0	0	0	0	0	0	0.264919	0	0	0	0	0	0	0	0
EP300-ETS1	0	0	0	0	0	0.200309	0	0	0	0	0	0	0	0	0	0	0	0	0
MYC-PAX8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.332934	0	0
AKT3-CDC42	0	0	0	0	0	0.224875	0	0	0	0	0	0	0	0	0	0	0	0	0
MAPK9-PIK3CD	0	0	0.328098	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AKT1-AKT2	0	0	0	0	0	0	0	0	0	0	0	0	0	0.352386	0	0	0	0	0
FRAT1-SHC2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.288997	0	0	0	0
HRAS-MAPK3	0	0	0	0	0	0	0.385823	0	0	0	0	0	0	0	0	0	0	0	0
KLK3-SRD5A2	0	0	0	0	0	0	0	0	0	0	0	0	0.239154	0	0	0	0	0	0
AREG-EREG	0	0	0.558349	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E2F1-PIK3CA	0	0	0	0	0	0	0.292679	0	0	0	0	0	0	0	0	0	0	0	0
JAG2-SP1	0	0.217679	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CREB3L2-PIK3CB	0	0	0	0	0	0	0	0	0	0	0	0	0.225433	0	0	0	0	0	0
BAD-PRCC	0	0	0.236072	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
APC-SMARCD2	0	0	0	0	0	0	0.430299	0	0	0	0	0	0	0	0	0	0	0	0
RAP1A-RAP1B	0	0	0.835693	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FHIT-KRAS	0	0	0	0	0	0	0	0	0.265836	0	0	0	0	0	0	0	0	0	0
FZD5-PIK3R2	0	0.259965	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EGFR-MAPK8	0	0	0	0	0	0	0	0	0	0	0.213322	0	0	0	0	0	0	0	0
EGLN1-VEGFA	0	0	0	0	0	0.23005	0	0	0	0	0	0	0	0	0	0	0	0	0
FZD5-PIK3R3	0	0	0	0	0	0	0	0.344422	0	0	0	0	0	0	0	0	0	0	0
FGF7-TGFB3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.240794	0	0	0	0
PDGFB-RAF1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.203225	0	0	0	0	0
LRP6-MGST1	0	0	0	0	0	0	0	0.428276	0	0	0	0	0	0	0	0	0	0	0
GADD45G-MAPK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.26539	0	0
EGLN3-SLC2A1	0	0	0.251525	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NQO1-TXNRD1	0	0	0	0	0	0	0.230981	0	0	0	0	0	0	0	0	0	0	0	0
ARHGEF6-BCL2L1	0	0	0	0	0	0	0	0	0	0	0.279268	0	0	0	0	0	0	0	0
MAPK10-MAPK3	0	0	0	0	0	0	0	0	0	0	0.398985	0	0	0	0	0	0	0	0
EGFR-KRAS	0	0	0	0	0	0	0	0	0	0	0.307069	0	0	0	0	0	0	0	0
ARID2-GSK3B	0	0	0	0	0	0	0	0.536996	0	0	0	0	0	0	0	0	0	0	0
E2F3-TGFB3	0	0	0	0	0	0	0	0	0	0	0.222119	0	0	0	0	0	0	0	0
CYCS-RALGDS	0	0	0.373861	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FOXO1-IGF1R	0	0	0	0	0	0	0	0	0	0	0	0.31634	0	0	0	0	0	0	0
AKT2-BAD	0	0	0	0	0	0	0	0	0	0	0	0	0	0.315221	0	0	0	0	0
ARNT-HRAS	0	0	0	0	0	0.217452	0	0	0	0	0	0	0	0	0	0	0	0	0
ARHGEF6-STAT3	0	0	0	0	0	0	0	0	0	0	0.379125	0	0	0	0	0	0	0	0
ARHGEF6-STAT1	0	0	0	0	0	0	0	0	0	0	0.454591	0	0	0	0	0	0	0	0

FH-PIK3R3	0	0	0	0	0.302559	0	0	0	0	0	0	0	0	0	0	0	0	0
AKT3-FZD4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.468989	0	0	0
BAD-PRKCB	0	0	0	0	0	0	0.362085	0	0	0	0	0	0	0	0	0	0	0
DVL3-SMARCA4	0	0	0	0	0	0	0.274248	0	0	0	0	0	0	0	0	0	0	0
FZD7-MYC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.219427	0	0	0
CDH1-LRP6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.237298	0	0	0
JAG2-MAP2K2	0	0.274336	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PIK3CA-VHL	0	0	0	0	0.728948	0	0	0	0	0	0	0	0	0	0	0	0	0
CCND1-TGFA	0	0	0	0	0	0	0	0	0	0	0.214264	0	0	0	0	0	0	0
E2F3-MGST2	0	0	0	0	0	0	0.275754	0	0	0	0	0	0	0	0	0	0	0
BRAF-PTPN11	0	0	0	0.259011	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BCL2L1-RAC1	0	0	0	0	0	0	0	0	0	0	0.321857	0	0	0	0	0	0	0
PDGFRA-SHC2	0	0	0	0	0	0.248559	0	0	0	0	0	0	0	0	0	0	0	0
PDGFRA-SHC1	0	0	0	0	0	0.25402	0	0	0	0	0	0	0	0	0	0	0	0
ARAF-HRAS	0	0.318407	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HGF-PDGFRB	0	0	0	0	0	0	0	0	0	0	0	0	0	0.226575	0	0	0	0
GADD45B-MTOR	0	0.33866	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PIK3R2-SMARCA4	0	0	0	0	0	0.246567	0	0	0	0	0	0	0	0	0	0	0	0
ARHGEF6-TGFB3	0	0	0	0	0	0	0	0	0	0	0.472678	0	0	0	0	0	0	0
BAD-MAPK8	0	0	0	0	0	0	0	0	0	0	0.231333	0	0	0	0	0	0	0
BAK1-POLK	0	0	0	0	0	0	0	0	0	0	0	0	0.479479	0	0	0	0	0
GSTM1-GSTM2	0	0	0	0	0	0	0.390137	0	0	0	0	0	0	0	0	0	0	0
E2F3-FLT4	0	0.284758	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AKT3-IKKB	0	0	0	0	0	0	0	0	0	0	0.316045	0	0	0	0	0	0	0
APC2-RALGDS	0	0	0.32266	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EGF-PLCG2	0	0	0	0	0	0.230478	0	0	0	0	0	0	0	0	0	0	0	0
NOTCH1-NOTCH3	0	0.827043	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
APPL1-MAPK1	0	0	0.496331	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LEF1-TGFB1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.200741	0	0	0
HRAS-ILK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.772703	0
MDM2-RB1	0	0	0	0	0	0	0	0	0	0	0.414735	0	0	0	0	0	0	0
ACTL6A-FZD1	0	0	0	0	0	0.463282	0	0	0	0	0	0	0	0	0	0	0	0
ARAF-SHC2	0	0.202796	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CDH1-EGFR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.200136	0
CRKL-HGF	0	0	0	0.226094	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BRCA2-PIK3R1	0	0	0	0	0	0	0	0	0	0	0.286615	0	0	0	0	0	0	0
FGF16-LEF1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.207882	0	0	0
BCL2L1-PLCG1	0	0	0	0	0	0.291396	0	0	0	0	0	0	0	0	0	0	0	0
BCL2L1-E2F3	0	0	0	0	0	0.29089	0	0	0	0	0	0	0	0	0	0	0	0
BCL2L1-E2F2	0	0	0	0	0	0.210148	0	0	0	0	0	0	0	0	0	0	0	0
GADD45A-MYC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.38444	0	0
BAK1-SMARCE1	0	0	0	0	0	0.20245	0	0	0	0	0	0	0	0	0	0	0	0
CTNNB1-GSK3B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.749273	0	0	0
AKT2-MAPK1	0	0	0	0	0	0	0	0	0	0	0	0.393183	0	0	0	0	0	0
IKBKG-TCF7L1	0	0	0	0	0	0	0	0	0	0	0	0.225835	0	0	0	0	0	0
PIK3R2-TCF7L2	0	0	0	0	0	0	0	0	0	0	0	0	0	0.25074	0	0	0	0
MAPK3-RAC1	0	0	0.214194	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AKT2-DVL1	0	0	0	0	0	0	0.431115	0	0	0	0	0	0	0	0	0	0	0
CCDC6-NCOA4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2253	0	0
RXR2-TCF7L2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.299019	0	0	0
AXIN2-TCF7L2	0	0.221547	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RXR2-TCF7L1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.225262	0	0
CDKN1A-E2F3	0.240949	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FH-TGFA	0	0	0	0	0.318654	0	0	0	0	0	0	0	0	0	0	0	0	0
EGLN2-PRCC	0	0	0	0.216179	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CTNNB1-HSP90B1	0	0	0	0	0	0	0	0	0	0	0	0.444463	0	0	0	0	0	0
PIK3CB-TGFB1	0	0	0	0	0.23545	0	0	0	0	0	0	0	0	0	0	0	0	0
DVL1-NCOA3	0	0.58984	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ACTB-TGFB2	0	0	0	0	0	0	0.218876	0	0	0	0	0	0	0	0	0	0	0
DVL2-MAPK3	0	0	0	0	0	0	0.406745	0	0	0	0	0	0	0	0	0	0	0
APC-LRP6	0	0.446219	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NOTCH3-SHC1	0	0.417357	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAP2K2-SHC2	0	0	0	0	0	0.284935	0	0	0	0	0	0	0	0	0	0	0	0
AKT3-ARNT	0	0	0	0.310825	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DLL4-HEYL	0	0.574532	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PDGFRB-SRD5A2	0	0	0	0	0	0	0	0	0	0	0	0.235763	0	0	0	0	0	0
APPL1-SMAD2	0	0	0.203419	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AKT1-TGFB1	0	0	0	0.276105	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FLCN-RBX1	0	0	0	0	0.256108	0	0	0	0	0	0	0	0	0	0	0	0	0
AKT2-ARNT2	0	0	0	0	0.20464	0	0	0	0	0	0	0	0	0	0	0	0	0
MAP2K1-PMAIP1	0	0	0.395946	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CTNNA1-PIK3R3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.334132	0
AKT2-TGFB2	0	0	0	0	0.244281	0	0	0	0	0	0	0	0	0	0	0	0	0
AKT2-TGFB1	0	0	0	0	0	0	0	0	0	0	0.29181	0	0	0	0	0	0	0
MAPK1-SMARCB1	0	0	0	0	0	0	1.263248	0	0	0	0	0	0	0	0	0	0	0
CCNE1-E2F3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.346549	0	0	0
BAD-SMAD2	0	0	0	0	0	0	0	0	0	0	0.283732	0	0	0	0	0	0	0

ARID1A-GAB1	0	0	0	0	0	0.356176	0	0	0	0	0	0	0	0	0	0	0
NRAS-PAK4	0	0	0	0.511263	0	0	0	0	0	0	0	0	0	0	0	0	0
E2F1-LRP5	0	0	0	0	0	0	0	0	0	0	0	0	0.245844	0	0	0	0
E2F3-PIK3CA	0	0	0	0	0	0	0	0	0	0	0	0	0.391086	0	0	0	0
EGFR-RAC1	0	0	0.448429	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AKT2-HGF	0	0	0	0	0.254002	0	0	0	0	0	0	0	0	0	0	0	0
SMAD4-TGFBR2	0	0	0	0	0	0	0	0	0	0	0	0	0.22959	0	0	0	0
MTOR-TGFA	0	0	0	0	0	0.302049	0	0	0	0	0	0	0	0	0	0	0
SHC1-TCF7L2	0	0	0	0	0	0	0.224292	0	0	0	0	0	0	0	0	0	0
ARID2-PBRM1	0	0	0	0	0	0.765713	0	0	0	0	0	0	0	0	0	0	0
SMARCA2-TGFBR1	0	0	0	0	0	0.21069	0	0	0	0	0	0	0	0	0	0	0
PIK3CA-STAT5B	0	0	0	0	0	0	0	0.31306	0	0	0	0	0	0	0	0	0
CDK4-PLCG2	0	0	0	0	0	0.243586	0	0	0	0	0	0	0	0	0	0	0
ACT16B-PRKCG	0	0	0	0	0	0.247208	0	0	0	0	0	0	0	0	0	0	0
BCL2-NFKBIA	0	0	0	0	0	0	0	0	0	0	0.449374	0	0	0	0	0	0
LEF1-TGFA	0	0	0	0	0	0	0	0	0	0.251887	0	0	0	0	0	0	0
AKT3-SMARCB1	0	0	0	0	0	0.31392	0	0	0	0	0	0	0	0	0	0	0
GSTA5-SMARCC1	0	0	0	0	0	0.213385	0	0	0	0	0	0	0	0	0	0	0
PDGFB-RBX1	0	0	0	0.304646	0	0	0	0	0	0	0	0	0	0	0	0	0
RPS6KB1-SMARCB	0	0	0	0	0	0.28472	0	0	0	0	0	0	0	0	0	0	0
DVL2-MGST1	0	0	0	0	0	0.210781	0	0	0	0	0	0	0	0	0	0	0
E2F2-MAPK3	0	0	0	0	0.316515	0	0	0	0	0	0	0	0	0	0	0	0
HRAS-NFE2L2	0	0	0	0	0	0.393917	0	0	0	0	0	0	0	0	0	0	0
GSTO1-SMARCD1	0	0	0	0	0	0.457585	0	0	0	0	0	0	0	0	0	0	0
CCND1-CYCS	0	0	0.244685	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FGFR1-FZD7	0	0.259438	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FGFR1-TCF7L1	0	0	0	0	0	0	0	0	0.91235	0	0	0	0	0	0	0	0
PIK3R3-STAT3	0	0	0	0	0	0	0	0.310554	0	0	0	0	0	0	0	0	0
E2F3-HRAS	0	0	0	0	0	0	0	0	0	0.404221	0	0	0	0	0	0	0
PIK3R3-RELA	0	0	0	0	0	0	0	0	0.210041	0	0	0	0	0	0	0	0
MAPK1-SOS2	0	0.351297	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RAPGEF1-TCEB1	0	0	0.404124	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MGST1-SMARCB1	0	0	0	0	0	0.200833	0	0	0	0	0	0	0	0	0	0	0
BCL2L1-BRAF	0	0	0	0	0	0.266965	0	0	0	0	0	0	0	0	0	0	0
APC-TXNRD2	0	0	0	0	0	0.272816	0	0	0	0	0	0	0	0	0	0	0
PRKCB-RASSF5	0	0	0	0	0	0	0	0.230141	0	0	0	0	0	0	0	0	0
GSTA1-GSTA2	0	0	0	0	0	0.221235	0	0	0	0	0	0	0	0	0	0	0
GSTA2-SMAD2	0	0	0	0	0	0.208939	0	0	0	0	0	0	0	0	0	0	0
FGF19-FGF20	0	0	0	0	0	0	0	0	0	0.374275	0	0	0	0	0	0	0
BAX-WNT3	0	0	0	0	0	0.23875	0	0	0	0	0	0	0	0	0	0	0
PLCG2-STK4	0	0	0	0	0	0	0.462608	0	0	0	0	0	0	0	0	0	0
DLL4-GADD45B	0	0.206262	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MTOR-SHC2	0	0	0	0	0.369386	0	0	0	0	0	0	0	0	0	0	0	0
ESR2-SOS1	0	0.219671	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AXIN1-CASP3	0	0	0.24093	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZD6-PIK3R1	0	0	0	0	0	0	0	0	0	0	0	0.462659	0	0	0	0	0
AXIN1-PTEN	0	0.362481	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FGF1-GAB1	0	0	0	0	0	0	0	0	0	0	0	0.208689	0	0	0	0	0
MSH2-PIK3R3	0	0	0.276769	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CREB3-EP300	0	0	0	0	0	0	0	0	0.290069	0	0	0	0	0	0	0	0
BRAF-DVL2	0	0	0	0	0	0	0	0	0	0	0.25888	0	0	0	0	0	0
FRAT1-MAPK3	0	0.722949	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MYC-TP53	0	0	0	0	0.221203	0	0	0	0	0	0	0	0	0	0	0	0
CDKN1A-EML4	0	0	0	0	0	0	0.25597	0	0	0	0	0	0	0	0	0	0
MAPK1-TPR	0	0	0	0	0	0	0	0	0	0	0	0.236418	0	0	0	0	0
E2F2-RB1	0	0.286811	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JAK1-MAPK1	0	0	0	0	0	0	0	0.240121	0	0	0	0	0	0	0	0	0
DDB2-SMAD2	0	0	0.22293	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IGF1-MAPK1	0	0	0	0	0	0	0	0	0.219266	0	0	0	0	0	0	0	0
PLCG1-PRKCB	0	0	0	0	0	0	0	0.227037	0	0	0	0	0	0	0	0	0
NOTCH4-WNT9B	0	0.224567	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CDKN1A-CTNNA1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.321856	0	0
GSTM2-GSTM4	0	0	0	0	0	0.376982	0	0	0	0	0	0	0	0	0	0	0
APPL1-MAPK8	0	0	0.411486	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E2F1-FZD5	0	0	0	0	0	0	0	0	0	0	0.20771	0	0	0	0	0	0
E2F1-PDGFC	0	0	0	0	0	0	0	0	0	0.277612	0	0	0	0	0	0	0
CDKN1A-FOS	0	0	0.284398	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BAX-FRAT1	0	0	0	0	0	0	0	0	0	0	0.325803	0	0	0	0	0	0
E2F3-IGF1R	0	0	0	0	0	0	0	0	0	0.275056	0	0	0	0	0	0	0
PLCG2-RB1	0	0	0	0	0	0.457316	0	0	0	0	0	0	0	0	0	0	0
CDKN1A-RAC2	0	0	0.206981	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IGF1R-PDPK1	0	0	0	0	0	0	0	0	0.224895	0	0	0	0	0	0	0	0
SRD5A2-ZEB1	0	0	0	0	0	0	0	0	0.245354	0	0	0	0	0	0	0	0
AKT2-SOS1	0	0	0	0	0	0	0	0	0	0	0.306655	0	0	0	0	0	0
AKT2-SOS2	0	0	0	0	0	0	0	0	0	0	0.200741	0	0	0	0	0	0
ARAF-HGF	0	0	0	0.246081	0	0	0	0	0	0	0	0	0	0	0	0	0
APC2-CDK2	0	0	0	0	0	0	0	0	0	0	0	0.2288	0	0	0	0	0

CDK2-EP300	0	0	0	0	0	0	0	0	0	0	0	0.478744	0	0	0	0	0
FGF2-NOTCH3	0	0.274212	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GADD45G-PIK3R1	0	0	0	0	0	0.275182	0	0	0	0	0	0	0	0	0	0	0
JAG2-NOTCH4	0	0.327322	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BAK1-CAMK2G	0	0	0	0	0	0.480602	0	0	0	0	0	0	0	0	0	0	0
JAG2-NOTCH1	0	0.634204	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DDB2-FZD6	0	0.22096	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
POLK-VEGFA	0	0	0	0	0	0	0	0	0	0	0.214147	0	0	0	0	0	0
RAC2-RELA	0	0	0	0	0	0	0	0	0	0	0.332777	0	0	0	0	0	0
APC-CDK4	0	0.25947	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GADD45A-PIK3R1	0	0	0	0	0	0.301507	0	0	0	0	0	0	0	0	0	0	0
GADD45A-PIK3R3	0	0	0.297827	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PIK3R2-PTEN	0	0	0	0	0	0	0	0	0	0	0.313772	0	0	0	0	0	0
PIK3CB-RAC3	0	0	0	0	0	0	0	0	0	0	0.2411	0	0	0	0	0	0
IKBK-MDM2	0	0	0	0	0	0	0	0	0	0	0.449012	0	0	0	0	0	0
MTOR-NRAS	0	0	0	0	0	0.998451	0	0	0	0	0	0	0	0	0	0	0
MAPK8-NFKB1	0	0	0	0	0	0	0	0	0	0.293029	0	0	0	0	0	0	0
AXIN1-HRAS	0	0	0.339606	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E2F3-SMARCC1	0	0	0	0	0	0.371242	0	0	0	0	0	0	0	0	0	0	0
BAK1-BRAF	0	0	0	0	0	0	0	0	0	0	0	0	0.217863	0	0	0	0
CREB3-PTEN	0	0	0	0	0	0	0	0	0	0	0.215879	0	0	0	0	0	0
AKT2-POLK	0	0.226742	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NCOA1-PIK3R2	0	0.330081	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DVL2-PLCG1	0	0	0	0	0	0.40284	0	0	0	0	0	0	0	0	0	0	0
POLK-TXNRD1	0	0	0	0	0	0.379376	0	0	0	0	0	0	0	0	0	0	0
PIK3CB-SOS1	0	0	0	0	0	0	0	0.374261	0	0	0	0	0	0	0	0	0
AKT2-RXR-1	0	0	0	0	0	0	0	0	0	0	0	0	0.506974	0	0	0	0
AKT1-LRP5	0	0	0	0	0	0.615569	0	0	0	0	0	0	0	0	0	0	0
FZD1-NCOA3	0	0.256191	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EGLN2-PIK3CD	0	0	0	0	0.673545	0	0	0	0	0	0	0	0	0	0	0	0
E2F3-RAF1	0	0.2615	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JAK3-MAP2K2	0	0	0	0	0	0.208356	0	0	0	0	0	0	0	0	0	0	0
CCND1-TGFB1	0	0	0.368877	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LRP6-SP1	0	0.487495	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CDKN1A-SOS1	0	0	0	0	0	0	0	0	0	0	0	0	0.222209	0	0	0	0
ERBB2-TGFA	0	0	0	0	0	0	0	0	0.424699	0	0	0	0	0	0	0	0
ARID1A-DPF3	0	0	0	0	0	0.265947	0	0	0	0	0	0	0	0	0	0	0
RAF1-SMARCC1	0	0	0	0	0	0.2058	0	0	0	0	0	0	0	0	0	0	0
EML4-GADD45B	0	0	0	0	0	0	0.211789	0	0	0	0	0	0	0	0	0	0
EML4-GADD45A	0	0	0	0	0	0.266666	0	0	0	0	0	0	0	0	0	0	0
CDKN1A-FRAT2	0	0.244449	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PHF10-PIK3R1	0	0	0	0	0.343824	0	0	0	0	0	0	0	0	0	0	0	0
AXIN2-MAP2K1	0	0	0	0	0	0	0	0	0	0	0	0.212451	0	0	0	0	0
HEY1-WNT5B	0	0.209237	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BAX-HMOX1	0	0	0	0	0	0.203678	0	0	0	0	0	0	0	0	0	0	0
CREB3L4-SOS2	0	0	0	0	0	0	0	0	0.254272	0	0	0	0	0	0	0	0
CREBBP-FOXO1	0	0	0	0	0	0	0	0	0	0.331653	0	0	0	0	0	0	0
SMAD4-TGFB1	0	0	0.262191	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AR-BAD	0	0	0	0	0	0	0	0	0	0.250307	0	0	0	0	0	0	0
GADD45B-PIK3CA	0	0	0	0	0	0	0	0	0	0	0	0.23293	0	0	0	0	0
AKT3-PRKCB	0	0	0	0	0	0.225301	0	0	0	0	0	0	0	0	0	0	0
KRAS-TCF7L2	0	0	0.664645	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOS1-ZEB1	0	0	0	0	0	0	0	0	0	0.244656	0	0	0	0	0	0	0
AR-ATF4	0	0	0	0	0	0	0	0	0	0.70701	0	0	0	0	0	0	0
PIK3CB-STAT3	0	0	0	0	0	0	0	0.22325	0	0	0	0	0	0	0	0	0
CTNNA1-POLK	0	0	0	0	0	0	0	0	0	0	0	0	0	0.491985	0	0	0
BAK1-MLH1	0	0	0	0	0	0	0	0	0	0	0	0.283362	0	0	0	0	0
FGF8-PIK3CD	0	0	0	0	0	0	0	0	0	0	0.206965	0	0	0	0	0	0
SMARCE1-WNT3	0	0	0	0	0	0.340935	0	0	0	0	0	0	0	0	0	0	0
BIRC5-CYCS	0	0	0.479879	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NOTCH1-NOTCH2	0	0.215271	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ERBB2-MAPK8	0	0	0	0	0	0	0	0	0.218913	0	0	0	0	0	0	0	0
MTOR-RAC1	0	0	0.439059	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NOTCH1-NOTCH4	0	0.434663	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAPK3-TP53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.217224	0	0
AXIN2-BRD7	0	0	0	0	0	0.204619	0	0	0	0	0	0	0	0	0	0	0
PDGFD-TCF7	0	0	0	0	0	0	0	0	0	0.239281	0	0	0	0	0	0	0
APPL1-RAF1	0	0	0.272237	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PIK3CD-PTEN	0	0	0	0	0	0	0	0	0	0	0.352813	0	0	0	0	0	0
ACTG1-SMARCD2	0	0	0	0	0	0.209906	0	0	0	0	0	0	0	0	0	0	0
ERBB2-RXRA	0	0	0	0	0	0	0	0.202247	0	0	0	0	0	0	0	0	0
AKT2-PLCG1	0	0	0	0	0	0.976745	0	0	0	0	0	0	0	0	0	0	0
ERBB2-JUP	0	0	0	0	0	0	0	0	0	0	0	0.434853	0	0	0	0	0
E2F3-ELK1	0	0	0	0	0	0.319492	0	0	0	0	0	0	0	0	0	0	0
FLCN-TGFB2	0	0	0	0.211492	0	0	0	0	0	0	0	0	0	0	0	0	0
POLK-RPS6KB1	0	0	0	0	0	0.267348	0	0	0	0	0	0	0	0	0	0	0
IGF1R-TCF7	0	0	0	0	0	0	0	0	0	0	0.201862	0	0	0	0	0	0

AKT1-PIK3CD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.501915	0	0	0	0
FLCN-TCEB1	0	0	0	0	0.216643	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EML4-PIK3R1	0	0	0	0	0	0	0	0	0	0.227877	0	0	0	0	0	0	0	0	0
BAD-CREB3	0	0	0	0	0	0	0	0	0	0	0	0	0.283944	0	0	0	0	0	0
NOTCH1-SP1	0	0.20095	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EGFR-PLCG1	0	0	0	0	0	0.393895	0	0	0	0	0	0	0	0	0	0	0	0	0
CSNK1A1-KRAS	0	0.390744	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CSNK1A1-CSNK1A1	0	0.610189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EGF-MAPK3	0	0	0	0	0	0	0	0	0	0	0	0	0.220693	0	0	0	0	0	0
HIF1A-NRAS	0	0	0	0	0.368707	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DDB2-ILK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.486468	0
PIK3CA-WNT9A	0	0.209413	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PIK3R1-RAC1	0	0	0.32382	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZD2-TCF7L2	0	0.240442	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GAB1-RXRA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.315798	0	0	0	0
TGFBR2-TP53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.236492	0	0	0	0
GSTO2-SMARCD2	0	0	0	0	0	0.204828	0	0	0	0	0	0	0	0	0	0	0	0	0
RAF1-TGFBR2	0	0	0	0	0	0	0	0	0	0	0.281806	0	0	0	0	0	0	0	0
GADD45B-SMAD4	0	0	0.202369	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EGLN3-TGFA	0	0	0	0.480744	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAPK1-TXNRD1	0	0	0	0	0	0	0.356327	0	0	0	0	0	0	0	0	0	0	0	0
DLL4-MAP2K1	0	0.254354	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPINT1-ZEB1	0	0	0	0	0	0	0	0	0	0	0	0	0.526372	0	0	0	0	0	0
CDK6-MAP2K1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.291923	0	0	0	0	0
EGF-EGFR	0	0	0	0	0	0	0	0	0	0	0	0	0.264206	0	0	0	0	0	0
FZD4-WNT3	0	0.206376	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GADD45G-RALB	0	0	0	0	0	0	0	0	0	0	0.514907	0	0	0	0	0	0	0	0
ARAF-PTEN	0	0	0	0	0	0	0	0	0	0	0	0	0.293578	0	0	0	0	0	0
GADD45G-RALA	0	0	0	0	0	0	0	0	0	0	0.310088	0	0	0	0	0	0	0	0
PIK3CD-VEGFA	0	0	0	0	0.230737	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TGFB1-TGFB2	0	0	0	0	0	0	0	0	0	0	0.369174	0	0	0	0	0	0	0	0
E2F3-PIK3R3	0	0	0	0	0	0.391709	0	0	0	0	0	0	0	0	0	0	0	0	0
MGST3-SMARCC1	0	0	0	0	0	0	0.473907	0	0	0	0	0	0	0	0	0	0	0	0
ARAF-EGFR	0	0	0	0	0	0	0	0	0	0	0	0	0.202544	0	0	0	0	0	0
E2F2-FGF21	0	0	0	0	0	0	0	0	0	0	0	0	0.288156	0	0	0	0	0	0
PDGFB-PLCG2	0	0	0	0	0	0.743532	0	0	0	0	0	0	0	0	0	0	0	0	0
CAMK2D-EGF	0	0	0	0	0	0.292136	0	0	0	0	0	0	0	0	0	0	0	0	0
EGFR-GAB1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.327461	0	0	0	0
FGFR3-SRC	0.216608	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ARAF-DVL3	0	0	0	0	0	0	0.732242	0	0	0	0	0	0	0	0	0	0	0	0
BBC3-RALGDS	0	0	0.211853	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BAD-BAX	0	0	0	0	0	0	0	0	0	0	0	0	0.572199	0	0	0	0	0	0
GADD45B-MAPK3	0	0.243835	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
APC-PTEN	0	0	0	0	0	0	0.207482	0	0	0	0	0	0	0	0	0	0	0	0
DVL3-E2F3	0	0.457267	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ARHGAP6-JAK1	0	0	0	0	0	0	0	0	0	0	0.659505	0	0	0	0	0	0	0	0
BAD-MTOR	0	0	0.508638	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ARAF-FGF7	0	0	0	0	0	0	0	0	0	0	0	0	0.337213	0	0	0	0	0	0
ARNT-BRAF	0	0	0	0	0.233508	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ELK1-SMARCD1	0	0	0	0	0	0	0.202405	0	0	0	0	0	0	0	0	0	0	0	0
PMAP1-TGFA	0	0	0.206645	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ETS1-VEGFA	0	0	0	0	0.259874	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CREB1-NRAS	0	0	0	0	0	0	0	0	0	0	0	0.490842	0	0	0	0	0	0	0
FGF1-NRAS	0	0	0	0	0	0	0	0	0	0	0	0	0.338607	0	0	0	0	0	0
APC-AXIN1	0	0.206435	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MGST3-MTOR	0	0	0	0	0	0	0.256206	0	0	0	0	0	0	0	0	0	0	0	0
CDK6-JAG1	0	0.274682	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CDH17-MAPK3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.20117	0	0	0	0
CALM2-TP53	0	0	0	0	0	0.252933	0	0	0	0	0	0	0	0	0	0	0	0	0
EGFR-EP300	0	0	0	0	0	0	0	0	0	0	0	0.401948	0	0	0	0	0	0	0
PIK3CD-WNT10B	0	0	0	0	0	0.215238	0	0	0	0	0	0	0	0	0	0	0	0	0
GSK3B-MYC	0	0	0	0	0	0.230412	0	0	0	0	0	0	0	0	0	0	0	0	0
ACTL6A-POLK	0	0	0	0	0	0	0.267612	0	0	0	0	0	0	0	0	0	0	0	0
AKT1-FGFR1	0	0	0	0	0	0	0	0	0	0	0	0	0.227045	0	0	0	0	0	0
FZD5-NRAS	0	0	0	0	0	0.679686	0	0	0	0	0	0	0	0	0	0	0	0	0
HSP90B1-TCF7L1	0	0	0	0	0	0	0	0	0	0	0	0.363527	0	0	0	0	0	0	0
CHUK-MAP2K2	0	0	0	0	0	0	0	0	0	0	0	0.431825	0	0	0	0	0	0	0
FGF17-FGF20	0	0	0	0	0	0	0	0	0	0	0	0	0.228528	0	0	0	0	0	0
FGF17-FGF21	0	0	0	0	0	0	0	0	0	0	0	0	0.209273	0	0	0	0	0	0
MET-TFE3	0	0	0	0	0.268299	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EML4-RXRA	0	0	0	0	0	0	0	0	0.317282	0	0	0	0	0	0	0	0	0	0
CCND1-TP53	0	0	0	0	0	0	0	0	0	0	0	0	0.393975	0	0	0	0	0	0
ARID1B-SOS2	0	0	0	0	0	0.561814	0	0	0	0	0	0	0	0	0	0	0	0	0
BAD-TGFBR2	0	0	0	0	0	0	0.273496	0	0	0	0	0	0	0	0	0	0	0	0
MAPK1-NCOA3	0	0.236352	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZD3-RPS6KB1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.212692	0	0	0	0	0
BRCA2-MTOR	0	0	0	0	0	0	0	0	0	0	0.24452	0	0	0	0	0	0	0	0

POLK-RXRA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.283993	0	0
KRAS-SP1	0	0.208094	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ACTL6B-TGFBR2	0	0	0	0	0	0	0.222836	0	0	0	0	0	0	0	0	0	0	0
BCL2-CDKN1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.221465	0	0
ARNT2-TGFB2	0	0	0	0	0.233647	0	0	0	0	0	0	0	0	0	0	0	0	0
ARRHGF6-TGFBR2	0	0	0	0	0	0	0	0	0	0.566706	0	0	0	0	0	0	0	0
GRB2-HMOX1	0	0	0	0	0	0	0.214251	0	0	0	0	0	0	0	0	0	0	0
ERG-HSP90AA1	0	0	0	0	0	0	0	0	0	0	0	0.232039	0	0	0	0	0	0
CAMK2D-GADD45	0	0	0	0	0	0.407357	0	0	0	0	0	0	0	0	0	0	0	0
PRKCB-RB1	0	0	0	0	0	0	0	0.392244	0	0	0	0	0	0	0	0	0	0
FRAT1-SOS1	0	0.244216	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PIK3CB-RASSF1	0	0	0	0	0	0	0	0	0	0.295604	0	0	0	0	0	0	0	0
FGFR1-NRAS	0	0	0	0	0	0	0	0	0	0	0	0	0.239846	0	0	0	0	0
E2F2-NOTCH1	0	0.305027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AKT2-CDKN1A	0	0	0	0	0	0.34732	0	0	0	0	0	0	0	0	0	0	0	0
AKT2-FLCN	0	0	0.468868	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CDK6-MYC	0	0	0	0	0	0	0.288344	0	0	0	0	0	0	0	0	0	0	0
AKT3-DDB2	0	0	0	0	0	0.204137	0	0	0	0	0	0	0	0	0	0	0	0
CREB3-PDPK1	0	0	0	0	0	0	0	0	0	0	0	0.358158	0	0	0	0	0	0
CCND1-MAP2K1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.294681	0	0	0	0
CHUK-HRAS	0	0	0	0	0	0	0	0	0	0	0	0	0.627169	0	0	0	0	0
CDK6-E2F1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.332004	0	0	0	0
SLC2A1-VEGFA	0	0	0	0.314745	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAPK1-RAPGEF1	0	0	0	0.569616	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CTNNA1-FZD7	0	0.209072	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JAK3-RASSF5	0	0	0	0	0	0	0	0.242178	0	0	0	0	0	0	0	0	0	0
MTOR-PLCG2	0	0	0	0	0	0	0.387234	0	0	0	0	0	0	0	0	0	0	0
FGF7-RXRA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.28897	0	0	0
ARAF-KLK3	0	0	0	0	0	0	0	0	0	0	0	0.241497	0	0	0	0	0	0
FZD1-SMARCD3	0	0	0	0	0	0	0.284299	0	0	0	0	0	0	0	0	0	0	0
FZD1-SMARCD1	0	0	0	0	0	0	0.205897	0	0	0	0	0	0	0	0	0	0	0
ARID1B-ARID2	0	0	0	0	0	0	0.286538	0	0	0	0	0	0	0	0	0	0	0
E2F3-SMARCD1	0	0	0	0	0	0	0.401843	0	0	0	0	0	0	0	0	0	0	0
MGST1-SMAD2	0	0	0	0	0	0	0.216299	0	0	0	0	0	0	0	0	0	0	0
BCL2-POLK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.234513	0	0	0
CHUK-PTEN	0	0	0	0	0	0	0	0	0	0	0	0.212609	0	0	0	0	0	0
GADD45B-NCOA3	0	0.381601	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CDKN1A-MYC	0	0	0.204453	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CCND1-PIK3CD	0	0	0	0	0	0	0	0	0	0	0	0	0.510632	0	0	0	0	0
ARAF-PDPK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.420862	0
CRK-ETS1	0	0	0	0.416034	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NFKB2-POLK	0	0.297361	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FH-VEGFA	0	0	0.361067	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ARID2-SMARCC2	0	0	0	0	0	0	1.517487	0	0	0	0	0	0	0	0	0	0	0
APC-TCF7L1	0	0.353417	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZD4-NOTCH4	0	0.440069	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DVL2-HES1	0	0.247464	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PRKCG-SHC1	0	0	0	0	0.213343	0	0	0	0	0	0	0	0	0	0	0	0	0
AKT3-SMAD2	0	0	0	0	0	0	0	0	0	0.580062	0	0	0	0	0	0	0	0
AKT3-SMAD4	0	0	0	0	0	0	0.245055	0	0	0	0	0	0	0	0	0	0	0
PIK3R1-RARB	0	0	0	0	0	0	0	0	0.210204	0	0	0	0	0	0	0	0	0
RALB-TGFB2	0	0	0	0	0	0	0	0	0	0.229797	0	0	0	0	0	0	0	0
FGF2-FRAT2	0	0.26924	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FGF10-FGF18	0	0	0	0	0	0	0	0	0	0	0	0	0.212272	0	0	0	0	0
AR-PDPK1	0	0	0	0	0	0	0	0	0	0	0.88426	0	0	0	0	0	0	0
DVL2-LRP5	0	0.22391	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MDM2-SHC2	0	0	0	0	0.206464	0	0	0	0	0	0	0	0	0	0	0	0	0
FRAT2-SHC2	0	0.207275	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FRAT2-SHC1	0	0	0	0	0	0	0.20014	0	0	0	0	0	0	0	0	0	0	0
CDK4-STK4	0	0	0	0	0	0	0	0	0	0.3094	0	0	0	0	0	0	0	0
BAD-CHUK	0	0	0	0	0	0	0	0	0	0	0.458757	0	0	0	0	0	0	0
AKT3-FGF21	0	0	0	0	0	0	0	0	0	0	0	0	0.307934	0	0	0	0	0
FGFR1-HRAS	0	0	0	0	0	0	0	0	0	0	0	0	0.231488	0	0	0	0	0
BRCA2-NOTCH1	0	0.251054	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RAC1-RAD51	0	0	0	0	0	0	0	0	0	0.256026	0	0	0	0	0	0	0	0
CYCS-PIK3R3	0	0	0.206969	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MITF-PDGFC	0	0	0	0	0	0	0	0	0	0	0	0	0.281348	0	0	0	0	0
BAK1-MET	0	0	0	0	0	0.201719	0	0	0	0	0	0	0	0	0	0	0	0
NOTCH4-PIK3CB	0	0.270211	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NCOA3-SOS1	0	0.720006	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PDGFRB-TP53	0	0	0	0	0	0	0	0	0	0	0	0	0	0.248175	0	0	0	0
CREB3L2-MTOR	0	0	0	0	0	0	0	0	0	0	0	0.632002	0	0	0	0	0	0
APC-NOTCH2	0	0.495638	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
APC-NOTCH1	0	0.404033	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AR-CREBBP	0	0	0	0	0	0	0	0	0	0	0	0.838774	0	0	0	0	0	0
DLL1-FRAT2	0	0.238087	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JUP-RAF1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.359143	0	0	0

BCL2-MAPK1	0	0	0.286626	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DVL2-GADD45A	0	0	0	0	0	0	0.23997	0	0	0	0	0	0	0	0	0	0	0	0
FH-RAP1A	0	0	0	0	0.208487	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FGF8-PIK3R1	0	0	0	0	0	0	0	0	0	0	0	0	0.220709	0	0	0	0	0	0
RAP1B-RAPGEF1	0	0	0	0.320826	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FGF7-GADD45B	0	0	0	0	0	0	0	0	0	0	0	0	0	0.303577	0	0	0	0	0
CRK-TCEB1	0	0	0	0	0.221097	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CDK4-CDKN1A	0	0	0	0	0	0	0	0	0	0.261137	0	0	0	0	0	0	0	0	0
E2F3-MAP2K1	0	0	0	0	0	0	0.23553	0	0	0	0	0	0	0	0	0	0	0	0
ACTL6A-MAP2K1	0	0	0	0	0	0	0.229089	0	0	0	0	0	0	0	0	0	0	0	0
PAK4-RAF1	0	0	0	0.223273	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAPK10-TGFB3	0	0	0	0	0	0	0	0	0	0.222512	0	0	0	0	0	0	0	0	0
POLK-TPR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.20924	0	0
GADD45A-STAT5B	0	0	0	0	0	0	0	0	0.203231	0	0	0	0	0	0	0	0	0	0
CDKN1B-DVL2	0	0	0	0	0	0	0	0	0	0	0	0	0	0.280497	0	0	0	0	0
TCF7L1-TXNRD1	0	0	0	0	0	0	0.25632	0	0	0	0	0	0	0	0	0	0	0	0
CDKN1A-SMAD4	0	0	0.244522	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOS1-WNT5A	0	0.218167	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CDKN1A-SMAD3	0	0	0	0	0	0	0	0	0	0	0	0	0	0.310751	0	0	0	0	0
BIRC5-TGFB2	0	0	0.371177	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AXIN1-LRP5	0	0	0	0	0	0	0	0	0	0	0	0	0	0.242158	0	0	0	0	0
AXIN1-AXIN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0.24774	0	0	0	0	0
BAK1-DVL1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.315203	0	0	0	0	0
CDK4-MAP2K2	0	0	0	0	0	0	0.275285	0	0	0	0	0	0	0	0	0	0	0	0
PIK3R1-PIK3R2	0	0.228314	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BAD-E2F1	0	0	0	0	0	0	0	0	0	0	0	0.315354	0	0	0	0	0	0	0
PIK3R2-SLC2A1	0	0	0	0.235486	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BAD-E2F2	0	0	0	0	0	0	0	0	0	0	0	0	0.38811	0	0	0	0	0	0
AKT2-ETS1	0	0	0.289118	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PIK3R1-SMAD4	0	0	0	0	0	0	0	0	0	0.475963	0	0	0	0	0	0	0	0	0
CTNNB1-PBRM1	0	0	0	0	0	0	0.23249	0	0	0	0	0	0	0	0	0	0	0	0
ACTL6A-SMARCC1	0	0	0	0	0	0	0.334364	0	0	0	0	0	0	0	0	0	0	0	0
FRAT1-NCOA1	0	0.360357	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TCEB2-VHL	0	0	0	0.590288	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LRP5-SMARCE1	0	0	0	0	0	0	0.324701	0	0	0	0	0	0	0	0	0	0	0	0
CCND1-MDM2	0	0	0	0	0	0	0	0	0	0	0	0	0.30224	0	0	0	0	0	0
BCL2L1-RPS6KB1	0	0	0	0	0	0	0.346367	0	0	0	0	0	0	0	0	0	0	0	0
FGF1-TGFB3	0	0	0	0	0	0	0	0	0	0	0	0	0	0.247781	0	0	0	0	0
SMAD3-VEGFA	0	0	0	0	0	0	0	0	0	0.20051	0	0	0	0	0	0	0	0	0
AKT3-MTOR	0	0	0	0	0	0	0	0	0	0	0.285961	0	0	0	0	0	0	0	0
CAMK2G-MAPK1	0	0	0	0	0	0.268222	0	0	0	0	0	0	0	0	0	0	0	0	0
GADD45G-SMARCC1	0	0	0	0	0	0	0.277302	0	0	0	0	0	0	0	0	0	0	0	0
PLAT-RELA	0	0	0	0	0	0	0	0	0	0	0.201102	0	0	0	0	0	0	0	0
CDK2-MAP2K1	0	0	0	0	0	0	0	0	0	0	0	0	0.213671	0	0	0	0	0	0
BIRC5-RPS6KB2	0	0	0.724164	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BIRC5-RPS6KB1	0	0	0.24879	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BRD7-PIK3R1	0	0	0	0	0	0	0.290659	0	0	0	0	0	0	0	0	0	0	0	0
BAD-MGST3	0	0	0	0	0	0	0.273318	0	0	0	0	0	0	0	0	0	0	0	0
FOXO3-HRAS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.271459	0
ACTL6A-MAPK1	0	0	0	0	0	0	0.30498	0	0	0	0	0	0	0	0	0	0	0	0
FH-TGFB1	0	0	0	0	0.350115	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PLAU-TGFA	0	0	0	0	0	0	0	0	0	0	0	0.272548	0	0	0	0	0	0	0
FH-TGFB3	0	0	0	0.305513	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZD2-MAPK3	0	0.238674	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KEAP1-TXNRD1	0	0	0	0	0	0	0.225117	0	0	0	0	0	0	0	0	0	0	0	0
ERBB2-PIK3CB	0	0	0	0	0	0	0	0	0	0	0	0.343181	0	0	0	0	0	0	0
AKT3-MAPK1	0	0	0	0	0	0	0	0	0	0	0.35074	0	0	0	0	0	0	0	0
TCF7L1-TGFB2	0	0	0.249535	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PTEN-TGFA	0	0	0	0	0	0	0	0	0	0	0	0.246823	0	0	0	0	0	0	0
AKT3-TCF7L1	0	0	0.735567	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAP2K1-PRKCB	0	0	0	0	0	0	0.409507	0	0	0	0	0	0	0	0	0	0	0	0
PIK3R3-RAC1	0	0	0	0	0	0	0	0	0	0	0.221016	0	0	0	0	0	0	0	0
HRAS-PRKCB	0	0	0	0	0	0	0	0.20701	0	0	0	0	0	0	0	0	0	0	0
ERG-PIK3CB	0	0	0	0	0	0	0	0	0	0	0	0.253191	0	0	0	0	0	0	0
CREBBP-KLK3	0	0	0	0	0	0	0	0	0	0	0	0.257295	0	0	0	0	0	0	0
MDM2-MITF	0	0	0	0	0	0	0	0	0	0	0	0	0.259925	0	0	0	0	0	0
EGFR-GRB2	0	0	0	0	0	0	0	0	0	0	0	0	0	0.207032	0	0	0	0	0
FZD1-MYC	0	0	0	0	0	0	0	0	0	0	0	0	0	0.22527	0	0	0	0	0
ARID2-SMARCB1	0	0	0	0	0	0	0.246559	0	0	0	0	0	0	0	0	0	0	0	0
NRAS-STAT5B	0	0	0	0	0	0	0	0	0.318542	0	0	0	0	0	0	0	0	0	0
PBRM1-PRKCG	0	0	0	0	0	0	0.207742	0	0	0	0	0	0	0	0	0	0	0	0
E2F3-RB1	0	0	0	0	0	0	0	0	0.360108	0	0	0	0	0	0	0	0	0	0
RAD51-RALB	0	0	0	0	0	0	0	0	0	0.379162	0	0	0	0	0	0	0	0	0
CREBBP-PDPK1	0	0	0	0	0	0	0	0	0	0	0	0.523949	0	0	0	0	0	0	0
DVL2-SMARCA2	0	0	0	0	0	0	0.251972	0	0	0	0	0	0	0	0	0	0	0	0
DVL2-HGF	0	0	0	0	0	0	0	0	0	0	0	0	0	0.406045	0	0	0	0	0
WNT2-WNT5A	0	0	0	0	0	0	0	0	0	0	0	0	0	0.285494	0	0	0	0	0

AKT3-FGF1	0	0.239134	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HRAS-RXRA	0	0	0	0	0	0	0	0	0.269132	0	0	0	0	0	0	0	0	0	0
PBRM1-SMARCD2	0	0	0	0	0	0	0.230443	0	0	0	0	0	0	0	0	0	0	0	0
PAK1-PIK3R3	0	0	0	0	0.294022	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BAK1-RAD51	0	0	0	0	0	0	0	0	0	0.359015	0	0	0	0	0	0	0	0	0
CAMK2B-SOS2	0	0	0	0	0	0.30475	0	0	0	0	0	0	0	0	0	0	0	0	0
MAPK9-RAC2	0	0	0	0	0	0	0	0	0	0.450155	0	0	0	0	0	0	0	0	0
GSK3B-NCOA3	0	0.569824	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IGF1-RELA	0	0	0	0	0	0	0	0	0	0	0.264962	0	0	0	0	0	0	0	0
AKT3-RPS6KB2	0	0	0.202352	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BAX-RPS6KB1	0	0.300865	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AKT3-RPS6KB1	0	0	0	0	0	0	0	0	0	0	0.244391	0	0	0	0	0	0	0	0
CREB1-PIK3R1	0	0	0	0	0	0	0	0	0	0	0.443842	0	0	0	0	0	0	0	0
BAD-GSTP1	0	0	0	0	0	0	0.209916	0	0	0	0	0	0	0	0	0	0	0	0
BRAF-STAT5A	0	0	0	0	0	0	0	0	0.212992	0	0	0	0	0	0	0	0	0	0
CTNNA1-RARB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.21069	0	0	0	0
BBC3-BIRC5	0	0	0.261104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEY1-NCOA1	0	0.22475	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GRB2-MTOR	0	0.397881	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TCF7L2-TGFA	0	0	0.20884	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RALA-RALB	0	0	0	0	0	0	0	0	0	0	0.415955	0	0	0	0	0	0	0	0
MAPK10-RALGDS	0	0	0	0	0	0	0	0	0	0	0.242565	0	0	0	0	0	0	0	0
GAB1-MGST2	0	0	0	0	0	0	0.533976	0	0	0	0	0	0	0	0	0	0	0	0
ARHGFE6-RPS6KB1	0	0	0	0	0	0	0	0	0	0	0.206206	0	0	0	0	0	0	0	0
CREB1-MAP2K2	0	0	0	0	0	0	0	0	0	0	0.797236	0	0	0	0	0	0	0	0
NRAS-RAC3	0	0	0.255011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZD7-TCF7	0	0.202651	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CCNE2-CDK2	0	0	0	0	0	0	0	0	0	0	0	1.043133	0	0	0	0	0	0	0
BBC3-MAPK1	0	0	0.28264	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FLT4-HEYL	0	0.486716	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PIK3R2-TGFA	0	0	0	0	0	0	0	0	0	0	0.206988	0	0	0	0	0	0	0	0
BAX-GSK3B	0	0.215924	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PIK3CA-TCEB2	0	0	0	0	0	0.318066	0	0	0	0	0	0	0	0	0	0	0	0	0
DDB2-MAPK8	0	0	0	0	0	0	0	0	0	0	0.280777	0	0	0	0	0	0	0	0
MMP2-THBS1	0.444402	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BAX-GADD45B	0	0.372324	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DDB2-MAPK3	0	0.265816	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BAX-GADD45G	0	0	0	0	0	0	0	0	0	0.23071	0	0	0	0	0	0	0	0	0
MAPK3-PRKCB	0	0	0	0	0	0.373451	0	0	0	0	0	0	0	0	0	0	0	0	0
CCND1-EGFR	0	0	0	0	0	0	0	0	0	0	0.249349	0	0	0	0	0	0	0	0
POLK-TP53	0	0	0	0	0	0	0	0	0	0	0.23404	0	0	0	0	0	0	0	0
MET-PDGFB	0	0	0	0.274227	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AR-CREB3L1	0	0	0	0	0	0	0	0	0	0	0	0.219272	0	0	0	0	0	0	0
AR-CREB3L2	0	0	0	0	0	0	0	0	0	0	0	0.343797	0	0	0	0	0	0	0
TCF7-TGFB2	0	0	0	0	0	0	0	0	0	0	0	0	0.226657	0	0	0	0	0	0
HMOX1-SMARCA4	0	0	0	0	0	0	0.209183	0	0	0	0	0	0	0	0	0	0	0	0
FZD1-GSK3B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.386299	0	0	0	0
BIRC5-RALGDS	0	0	0.2179	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CALM3-PRKCB	0	0	0	0	0	0.341624	0	0	0	0	0	0	0	0	0	0	0	0	0
DVL1-E2F1	0	0	0	0	0	0	0.302443	0	0	0	0	0	0	0	0	0	0	0	0
CALM3-PRKCG	0	0	0	0	0	0.409767	0	0	0	0	0	0	0	0	0	0	0	0	0
PIK3CD-RALGDS	0	0	0.389063	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOS1-TXNRD2	0	0	0	0	0	0	0.294875	0	0	0	0	0	0	0	0	0	0	0	0
BAD-SMARCC1	0	0	0	0	0	0	0.612528	0	0	0	0	0	0	0	0	0	0	0	0
PDGFD-PIK3CB	0	0	0	0	0	0	0	0	0	0	0	0	0.299912	0	0	0	0	0	0
CREB1-IKBK	0	0	0	0	0	0	0	0	0	0	0	0.320316	0	0	0	0	0	0	0
ARNT-NRAS	0	0	0	0	0.23606	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DDB2-RAF1	0	0	0	0	0	0.226744	0	0	0	0	0	0	0	0	0	0	0	0	0
GADD45B-TGFB1	0	0	0	0	0	0	0	0	0	0	0.209251	0	0	0	0	0	0	0	0
ARID1A-MGST2	0	0	0	0	0	0	0.321386	0	0	0	0	0	0	0	0	0	0	0	0
BAX-E2F3	0	0	0	0	0	0	0	0	0	0	0	0	0.227405	0	0	0	0	0	0
CSNK1A1-FGF21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.309823	0	0	0	0
PDGFRB-TCF7L1	0	0	0	0	0	0	0	0	0	0	0	0.324064	0	0	0	0	0	0	0
CREB3L1-EP300	0	0	0	0	0	0	0	0	0	0	0	0.229273	0	0	0	0	0	0	0
NCOA3-TCF7	0	0.21067	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CDK6-TCF7L1	0	0	0	0	0	0	0.247879	0	0	0	0	0	0	0	0	0	0	0	0
AKT3-PTEN	0	0	0	0	0	0	0	0	0	0	0	0.262348	0	0	0	0	0	0	0
PIK3CA-PRCC	0	0	0	0	0.280851	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LRP5-PIK3R2	0	0	0	0	0	0	0.392542	0	0	0	0	0	0	0	0	0	0	0	0
GADD45G-SHC2	0	0	0	0	0	0.300428	0	0	0	0	0	0	0	0	0	0	0	0	0
LRP6-PIK3R1	0	0	0	0	0	0	0.21539	0	0	0	0	0	0	0	0	0	0	0	0
EGFR-TGFA	0	0	0	0	0	0	0	0	0	0	0.252395	0	0	0	0	0	0	0	0
HIF1A-TGFB3	0	0	0	0.209363	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CREBBP-FH	0	0	0	0	0.272612	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AXIN2-CSNK1A1	0	0	0	0	0	0	0.223603	0	0	0	0	0	0	0	0	0	0	0	0
CDKN1B-PIK3R2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.268132	0	0	0	0
RXRG-TCF7L2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.25698	0	0	0

BRAF-RAPGEF1	0	0	0	0	0.352145	0	0	0	0	0	0	0	0	0	0	0	0	0
EGLN2-TCEB2	0	0	0	0.332285	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AKT3-CREB3L2	0	0	0	0	0	0	0	0	0	0	0.32511	0	0	0	0	0	0	0
MSH2-SOS1	0	0	0.412533	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHC4-TGFB2	0	0	0	0	0	0	0	0	0	0	0	0	0	0.24041	0	0	0	0
SLC2A1-TGFA	0	0	0	0.261288	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AXIN1-BRAF	0	0	0	0	0	0	0.223105	0	0	0	0	0	0	0	0	0	0	0
HRAS-RB1	0	0	0	0	0	0.839492	0	0	0	0	0	0	0	0	0	0	0	0
CDK4-HRAS	0	0.207384	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GAB1-LRP6	0	0	0	0	0	0	0.278245	0	0	0	0	0	0	0	0	0	0	0
HGF-HRAS	0	0	0	0	0.245928	0	0	0	0	0	0	0	0	0	0	0	0	0
AKT1-MAPK10	0	0	0	0	0	0	0	0	0	0.237153	0	0	0	0	0	0	0	0
AKT3-PIK3R1	0	0	0	0	0	0.530357	0	0	0	0	0	0	0	0	0	0	0	0
CRK-EPAS1	0	0	0	0.258903	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PIK3R3-SLC2A1	0	0	0	0.204703	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAP2K2-NFKB1	0	0	0	0	0	0	0	0	0	0	0.301747	0	0	0	0	0	0	0
E2F2-EML4	0	0	0	0	0	0	0.320788	0	0	0	0	0	0	0	0	0	0	0
MAP2K1-PDGFD	0	0	0	0	0	0	0	0	0	0	0.220536	0	0	0	0	0	0	0
MAP2K2-NFKB2	0	0.290346	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CREB1-GSK3B	0	0	0	0	0	0	0	0	0	0	0.379667	0	0	0	0	0	0	0
CCND1-RAC1	0	0	0.326014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PLCG1-SOS1	0	0	0	0	0	0	0	0.377828	0	0	0	0	0	0	0	0	0	0
ARAF-RAF1	0	0	0	0	0	0	0.399531	0	0	0	0	0	0	0	0	0	0	0
CTNNA1-SMAD3	0	0	0.399948	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DVL1-RXRA	0	0	0	0	0	0	0	0	0	0	0	0	0	0.225622	0	0	0	0
RB1-SHC2	0	0	0	0	0	0.369817	0	0	0	0	0	0	0	0	0	0	0	0
PIK3CA-RAC1	0	0	0	0.475402	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CREBBP-RAPGEF1	0	0	0	0.319265	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ACTB-SMAD3	0	0	0	0	0	0	0.321308	0	0	0	0	0	0	0	0	0	0	0
SHC1-TGFB2	0	0	0	0	0	0	0	0	0	0	0	0	0.20966	0	0	0	0	0
ACTL6B-WNT8A	0	0	0	0	0	0	1.118169	0	0	0	0	0	0	0	0	0	0	0
FZD3-MAPK3	0	0	0	0	0	0	0	0	0	0	0	0	0.212803	0	0	0	0	0
CCNE2-GSK3B	0	0	0	0	0	0	0	0	0	0	0.295818	0	0	0	0	0	0	0
APC-BRCA2	0	0.354548	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GADD45G-RXRA	0	0	0	0	0	0	0	0.22202	0	0	0	0	0	0	0	0	0	0
AKT1-JUN	0	0.214328	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JUN-RALGDS	0	0	0.297192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BAK1-FOXO3	0	0	0	0	0	0	0	0.33209	0	0	0	0	0	0	0	0	0	0
AKT1-ERG	0	0	0	0	0	0	0	0	0	0.256778	0	0	0	0	0	0	0	0
CDC42-ETS1	0	0	0	0.233406	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ARID1A-HRAS	0	0	0	0	0	0.508603	0	0	0	0	0	0	0	0	0	0	0	0
FGF10-PDGFRB	0	0	0	0	0	0	0	0	0	0	0.273401	0	0	0	0	0	0	0
GSK3B-NOTCH3	0	0.223377	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CDKN1B-HRAS	0	0	0	0	0	0	0	0	0	0	0.316209	0	0	0	0	0	0	0
HMOX1-LRP6	0	0	0	0	0	0	0.215793	0	0	0	0	0	0	0	0	0	0	0
CREBBP-IGF1R	0	0	0	0	0	0	0	0	0	0	0.22972	0	0	0	0	0	0	0
ERBB2-SMAD3	0	0	0	0	0	0	0	0	0	0.365334	0	0	0	0	0	0	0	0
FHIT-PIK3CA	0	0	0	0	0	0	0	0.32368	0	0	0	0	0	0	0	0	0	0
CAMK2B-CAMK2G	0	0	0	0	0	0.225519	0	0	0	0	0	0	0	0	0	0	0	0
CAMK2B-CAMK2D	0	0	0	0	0	0.244396	0	0	0	0	0	0	0	0	0	0	0	0
MAPK8-MTOR	0	0	0	0	0	0	0	0	0	0.256992	0	0	0	0	0	0	0	0
ARID1A-ARID1B	0	0	0	0	0	0	0.739546	0	0	0	0	0	0	0	0	0	0	0
ETS1-TGFB3	0	0	0	0.340264	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FGF2-FGF7	0	0	0	0	0	0	0	0	0	0	0	0	0.501714	0	0	0	0	0
DVL1-NFKB2	0	0.378488	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PIK3R3-TFE3	0	0	0	0.211934	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FLCN-RAC1	0	0	0	0.449524	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NCOA1-SP1	0	0.524129	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAPK3-PAK4	0	0	0	0.214814	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAPK1-RPS6KB2	0	0.247096	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NFKB1-PIK3R1	0	0	0	0	0	0	0	0	0	0.256577	0	0	0	0	0	0	0	0
HBEGF-MYC	0.22964	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZD2-MAP2K2	0	0.226238	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
APC-PBRM1	0	0	0	0	0	0.310992	0	0	0	0	0	0	0	0	0	0	0	0
STAT5A-STK4	0	0	0	0	0	0	0.324841	0	0	0	0	0	0	0	0	0	0	0
AR-EP300	0	0	0	0	0	0	0	0	0	0	1.096875	0	0	0	0	0	0	0
LRP6-MAPK3	0	0	0	0	0	0	0	0	0	0	0	0.33373	0	0	0	0	0	0
LRP6-MAPK1	0	0	0	0	0	0.304579	0	0	0	0	0	0	0	0	0	0	0	0
ARID2-SMARCD1	0	0	0	0	0	0.649996	0	0	0	0	0	0	0	0	0	0	0	0
PDGFC-SRD5A2	0	0	0	0	0	0	0	0	0	0	0.349951	0	0	0	0	0	0	0
ACTG1-MTOR	0	0	0	0	0	0	0.24358	0	0	0	0	0	0	0	0	0	0	0
ARAF-MAP2K2	0	0.432486	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CDK2-TCF7L2	0	0	0	0	0	0	0	0	0	0	0.296496	0	0	0	0	0	0	0
CREB3L2-EP300	0	0	0	0	0	0	0	0	0	0	0.336008	0	0	0	0	0	0	0
APC-CTNNA1	0	0	0	0	0	0	0	0	0	0	0	0.690492	0	0	0	0	0	0
EGFR-GSK3B	0	0	0	0	0	0	0	0	0	0	0.327957	0	0	0	0	0	0	0
CREB5-PLAU	0	0	0	0	0	0	0	0	0	0	0.30981	0	0	0	0	0	0	0

BAK1-STAT5A	0	0	0	0	0	0	0	0	0.364387	0	0	0	0	0	0	0	0	0
FGF1-NOTCH1	0	0.217739	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CREB1-RB1	0	0	0	0	0	0	0	0	0	0	0	1.045382	0	0	0	0	0	0
ARID1A-DVL1	0	0	0	0	0	0	0	0.579817	0	0	0	0	0	0	0	0	0	0
ARID1A-DVL2	0	0	0	0	0	0	0	0.540238	0	0	0	0	0	0	0	0	0	0
AXIN2-PMAIP1	0	0	0.267556	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
APC-DVL1	0	0.560331	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CAMK2B-RAF1	0	0	0	0	0	0	0.404087	0	0	0	0	0	0	0	0	0	0	0
PAX8-RXRA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.304146	0
SMAD2-TGFBR2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.232862	0	0	0
BRAF-EML4	0	0	0	0	0	0	0	0	0.487741	0	0	0	0	0	0	0	0	0
PRKCG-WNT8A	0	0	0	0	0	0	0	0.540187	0	0	0	0	0	0	0	0	0	0
GSTP1-TCF7L1	0	0	0	0	0	0	0	0	0	0	0	1.308914	0	0	0	0	0	0
AR-GSK3B	0	0	0	0	0	0	0	0	0	0	0	0.320248	0	0	0	0	0	0
BAD-NRAS	0	0	0	0	0	0	0	0	0	0	0	0	0.200559	0	0	0	0	0
CTNNA1-KRAS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.216309	0
FRAT1-FZD4	0	0.264962	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AKT3-DVL1	0	0	0	0	0	0	0	0.220608	0	0	0	0	0	0	0	0	0	0
FRAT2-MLH1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.240522	0	0	0	0
PIK3R3-RAP1A	0	0	0	0	0.278421	0	0	0	0	0	0	0	0	0	0	0	0	0
FGF20-PDGFC	0	0	0	0	0	0	0	0	0	0	0	0	0.230478	0	0	0	0	0
PRCC-SOS2	0	0	0	0.399399	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BRD7-MAP2K1	0	0	0	0	0	0	0.429272	0	0	0	0	0	0	0	0	0	0	0
MAP2K1-RXR8	0	0	0	0	0	0	0	0	0.396142	0	0	0	0	0	0	0	0	0
PDGFA-PTEN	0	0	0	0	0	0.412242	0	0	0	0	0	0	0	0	0	0	0	0
MAP2K1-MAPK10	0	0	0.356254	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ARID1A-PBRM1	0	0	0	0	0	0	0.322346	0	0	0	0	0	0	0	0	0	0	0
GSTO1-GSTO2	0	0	0	0	0	0	0.222454	0	0	0	0	0	0	0	0	0	0	0
SMAD4-TGFA	0	0	0	0	0	0	0	0	0	0.26761	0	0	0	0	0	0	0	0
FGF22-MAP2K1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.201052	0	0	0	0
E2F2-MITF	0	0	0	0	0	0	0	0	0	0	0	0.697003	0	0	0	0	0	0
IGF1R-PDGFRB	0	0	0	0	0	0	0	0	0	0	0	0	0.219673	0	0	0	0	0
AKT2-CDK2	0	0	0	0	0	0	0	0	0	0	0	0	0	0.261009	0	0	0	0
CSNK1A1-NOTCH1	0	0.361765	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CDKN1A-MTOR	0	0	0	0	0	0.619736	0	0	0	0	0	0	0	0	0	0	0	0
FRAT1-GSTO1	0	0	0	0	0	0	0.358494	0	0	0	0	0	0	0	0	0	0	0
HRAS-SRD5A2	0	0	0	0	0	0	0	0	0	0	0	0.227632	0	0	0	0	0	0
EGLN1-PAK3	0	0	0	0.20256	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E2F2-GRB2	0	0	0	0	0	0	0	0.261575	0	0	0	0	0	0	0	0	0	0
FOXO3-STK4	0	0	0	0	0	0	0	0.284358	0	0	0	0	0	0	0	0	0	0
PDGFRB-TCF7	0	0	0	0	0	0	0	0	0	0	0.251871	0	0	0	0	0	0	0
HMOX1-PIK3CD	0	0	0	0	0	0.337298	0	0	0	0	0	0	0	0	0	0	0	0
BAD-TCF7L2	0	0	0	0	0	0.260026	0	0	0	0	0	0	0	0	0	0	0	0
E2F2-RAD51	0	0	0	0	0	0	0	0	0	0.654719	0	0	0	0	0	0	0	0
AKT1-AXIN1	0	0.220507	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HES1-TCF7L2	0	0.213493	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FRAT1-GSK3B	0	0.238505	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ARNT-HGF	0	0	0	0.22851	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IGF1R-PDGFRB	0	0	0	0	0	0.359454	0	0	0	0	0	0	0	0	0	0	0	0
HMOX1-PRKCA	0	0	0	0	0	0	0.306999	0	0	0	0	0	0	0	0	0	0	0
E2F3-LEF1	0	0	0	0	0	0	0	0	0	0	0	0.261937	0	0	0	0	0	0