

NAME	SIZE	ES	NES	NOM p-val	FDR q-val	FWER p-val
CHARAFE_I	431	0.539515	2.843872	0	0	0
WU_CELL_I	180	0.591739	2.834126	0	0	0
ONDER_CD	455	0.506793	2.677947	0	0	0
ZHANG_RE	207	0.542992	2.656739	0	0	0
REN_ALVEC	400	0.497504	2.601917	0	0	0
MISSIAGLIA	97	0.591785	2.590789	0	0	0
LIN_SILENC	101	0.586855	2.588637	0	0	0
SANA_TNF_I	75	0.617773	2.581962	0	0	0
TAKEDA_T/	167	0.538111	2.57526	0	0	0
BROWNE_I	67	0.618092	2.545484	0	0	0
BILD_HRAS	244	0.512776	2.536006	0	0	0
GRAHAM_C	90	0.569964	2.496806	0	0	0
HUANG_D/	74	0.600444	2.471039	0	0	0
KOBAYASH	96	0.569797	2.467323	0	0	0
MOSERLE_I	29	0.723569	2.463894	0	0	0
GUENTHER	25	0.746949	2.457667	0	0	0
NOJIMA_SF	24	0.741336	2.446814	0	0	0
SANA_RESF	64	0.598933	2.437727	0	0	0
NAGASHIM	172	0.514007	2.43458	0	0	0
XU_HGF_SI	24	0.736744	2.432169	0	0	0
AMIT_SERU	56	0.62064	2.417766	0	0	0
LI_WILMS_I	177	0.506134	2.414015	0	0	0
ELVIDGE_H	164	0.517474	2.41294	0	0	0
RASHI_RES	118	0.53874	2.409351	0	0	0
SEITZ_NEO	72	0.57692	2.397869	0	0	0
LIANG_SILE	33	0.67905	2.395818	0	0	0
BRUECKNEI	76	0.568301	2.394786	0	0	0
HINATA_NI	70	0.578664	2.38143	0	0	0
ELVIDGE_H	125	0.530131	2.375566	0	0	0
WEINMANI	34	0.663224	2.364121	0	0	0
TURASHVIL	184	0.49217	2.363517	0	0	0
ONDER_CD	80	0.563088	2.341849	0	0	0
COLDREN_I	216	0.474647	2.325055	0	0	0

WANG_SM	157	0.49565	2.323904	0	0	0
PICCALUGA	192	0.484652	2.313886	0	0	0
LIU_TARGE	40	0.633013	2.311573	0	0	0
WANG_ME	32	0.663353	2.3088	0	0	0
ONDER_CD	54	0.597549	2.297358	0	3.21E-05	0.001
BENNETT_S	22	0.727866	2.295636	0	3.12E-05	0.001
HUPER_BR	59	0.571365	2.293372	0	3.05E-05	0.001
SMIRNOV_	155	0.491484	2.286377	0	5.92E-05	0.002
GRAHAM_I	63	0.569249	2.285899	0	5.77E-05	0.002
PRAMOON	48	0.591069	2.28403	0	5.64E-05	0.002
RIGGINS_T	208	0.465666	2.262708	0	8.32E-05	0.003
CHANG_IM	47	0.595705	2.258928	0	8.13E-05	0.003
HENDRICKS	47	0.592845	2.255618	0	7.95E-05	0.003
AMIT_EGF_	65	0.559197	2.25472	0	7.79E-05	0.003
RICKMAN_	364	0.43431	2.251587	0	7.62E-05	0.003
CHARAFE_I	435	0.424498	2.248678	0	7.47E-05	0.003
TAKEDA_T/	147	0.487256	2.248242	0	7.32E-05	0.003
PODAR_RE	142	0.487316	2.242055	0	9.58E-05	0.004
GILDEA_MI	30	0.664021	2.229203	0	9.39E-05	0.004
JEON_SMA	23	0.683169	2.22482	0	9.22E-05	0.004
VANHARAN	63	0.548974	2.218002	0	9.05E-05	0.004
YAO_TEMP	67	0.54569	2.217606	0	8.88E-05	0.004
DER_IFN_A	56	0.564425	2.210776	0	8.72E-05	0.004
AMIT_EGF_	39	0.609587	2.209976	0	8.57E-05	0.004
MAHADEV/	16	0.748241	2.209027	0	8.42E-05	0.004
MANALO_I	193	0.460969	2.208596	0	8.28E-05	0.004
NAGASHIM	58	0.557273	2.202813	0	8.14E-05	0.004
HELLEBREK	56	0.56766	2.202602	0	8.01E-05	0.004
SEKI_INFLA	73	0.52853	2.202579	0	7.88E-05	0.004
DAUER_ST/	37	0.615187	2.20121	0	7.75E-05	0.004
BIOCARTA_	17	0.746394	2.198624	0	7.63E-05	0.004
BEGUM_T/	36	0.60876	2.195535	0	9.32E-05	0.005
KRASNOSEI	30	0.632091	2.193383	0	1.46E-04	0.008
JAEGER_M	249	0.446416	2.192454	0	1.44E-04	0.008

SHEDDEN_	188	0.458036	2.191855	0	1.41E-04	0.008
AMIT_SERU	65	0.536924	2.191242	0	1.39E-04	0.008
SCHUETZ_E	337	0.42299	2.190212	0	1.37E-04	0.008
HORIUCHI_	278	0.436505	2.185714	0	1.70E-04	0.01
TSAI_RESP	30	0.635782	2.184003	0	1.85E-04	0.011
RICKMAN_	100	0.493422	2.179813	0	1.82E-04	0.011
KIM_WT1_	208	0.446363	2.178399	0	1.80E-04	0.011
DELYS_THY	388	0.416089	2.171774	0	1.77E-04	0.011
XU_HGF_T/	16	0.732107	2.166799	0	2.07E-04	0.013
ELVIDGE_H	100	0.496479	2.165234	0	2.04E-04	0.013
BERENJENC	32	0.629008	2.164999	0	2.02E-04	0.013
FRIDMAN_	75	0.520095	2.164978	0	1.99E-04	0.013
BIOCARTA_	17	0.736686	2.159759	0	2.27E-04	0.015
LIU_VAV3_	84	0.501945	2.15747	0	2.39E-04	0.016
FRASOR_RI	62	0.522971	2.142793	0	3.25E-04	0.022
SIMBULAN_	27	0.640784	2.141205	0	3.21E-04	0.022
RHEIN_ALL	75	0.509743	2.139633	0	3.17E-04	0.022
UDAYAKUM	232	0.436309	2.131987	0	3.84E-04	0.027
LIU_SOX4_	130	0.46815	2.129202	0	3.94E-04	0.028
EMT_NSCL	254	0.429599	2.128889	0	3.89E-04	0.028
EINAV_INT	27	0.648119	2.126973	0	3.85E-04	0.028
DAUER_ST/	37	0.595637	2.113216	0	4.35E-04	0.032
OSWALD_F	217	0.432735	2.109999	0	4.70E-04	0.035
KINSEY_TA	307	0.418125	2.109105	0	4.65E-04	0.035
OSWALD_F	217	0.432735	2.108392	0	4.73E-04	0.036
LU_AGING_	252	0.42056	2.107556	0	4.81E-04	0.037
OSADA_AS	24	0.649473	2.106729	0	4.89E-04	0.038
TAKEDA_T/	133	0.457201	2.104497	0	4.96E-04	0.039
MAHADEV/	19	0.684952	2.103781	0	5.16E-04	0.041
AMIT_SERU	57	0.535033	2.102679	0	5.11E-04	0.041
HOFFMANI	51	0.544763	2.101305	0	5.19E-04	0.042
CHIARADOI	137	0.458533	2.100396	0	5.38E-04	0.044
DANG_REG	235	0.426816	2.098686	0	5.57E-04	0.046
AKL_HTLV1	65	0.516591	2.09613	0	5.63E-04	0.047

KOBAYASH	17	0.709204	2.095785	0	5.70E-04	0.048
ZHU_CMV_	31	0.60597	2.092684	0	6.34E-04	0.054
AMIT_EGF_	42	0.568481	2.092193	0	6.51E-04	0.056
HAHTOLA_	61	0.515292	2.091059	0	6.45E-04	0.056
TAKEDA_T/	179	0.438082	2.090065	0	6.50E-04	0.057
CHIBA_RES	43	0.578968	2.085615	0	6.67E-04	0.059
BROWNE_I	107	0.468323	2.085601	0	6.61E-04	0.059
FOSTER_IN	143	0.449148	2.077954	0	7.75E-04	0.07
LIU_PROST	449	0.394876	2.077272	0	7.68E-04	0.07
KEGG_ECM	80	0.489685	2.076471	0	7.62E-04	0.07
CHARAFE_I	117	0.462904	2.072185	0	8.09E-04	0.075
UZONYI_RE	36	0.574514	2.071265	0	8.34E-04	0.078
FOSTER_IN	363	0.398	2.070784	0	8.26E-04	0.078
FARMER_B	39	0.567941	2.070749	0	8.19E-04	0.078
MAHAJAN_	63	0.511772	2.064959	0	8.75E-04	0.084
RODRIGUE:	67	0.507278	2.060121	0	9.70E-04	0.094
APPEL_IMA	33	0.584666	2.058423	0	9.82E-04	0.096
BLUM_RES	241	0.418366	2.055993	0	9.94E-04	0.098
KYNG_DNA	98	0.466825	2.054869	0	9.96E-04	0.098
VERHAAK_	177	0.426655	2.051279	0	0.001037	0.103
THEILGAAR	75	0.488087	2.050966	0	0.001029	0.103
ZHOU_INFI	383	0.393498	2.04666	0	0.00107	0.108
ONDER_CD	244	0.415588	2.044309	0	0.0011	0.112
MCLACHLA	198	0.422154	2.042045	0	0.00114	0.116
TONKS_TAI	152	0.438748	2.04088	0	0.00115	0.117
SENGUPTA	165	0.432171	2.039546	0	0.001161	0.119
CORRE_ML	64	0.499107	2.035861	0	0.001189	0.123
ZHU_CMV_	71	0.496	2.028866	0	0.001311	0.136
VECCHI_GA	153	0.43706	2.027735	0	0.001347	0.14
BOYLAN_M	226	0.410903	2.026785	0	0.001346	0.141
ZHANG_IN	21	0.649705	2.026515	0	0.001336	0.141
ROZANOV_	257	0.407866	2.024101	0	0.001326	0.141
TAKEDA_T/	36	0.560278	2.022152	0	0.001334	0.143
CROONQUI	45	0.540481	2.021279	0	0.001369	0.147

SESTO_RES	69	0.495645	2.020958	0	0.001359	0.147
LENAOUR_	90	0.473515	2.018372	0	0.001411	0.154
TIEN_INTE	203	0.416859	2.018274	0	0.001401	0.154
REACTOME	79	0.481914	2.017522	0	0.001399	0.155
LIEN_BREA	77	0.487127	2.01679	0	0.001415	0.157
KEGG_HEM	81	0.481034	2.016028	0	0.001414	0.157
ZHU_CMV_	53	0.513181	2.01551	0	0.001404	0.157
HASLINGER	19	0.656429	2.007934	0	0.00147	0.164
COLIN_PILC	26	0.608091	2.007298	0	0.001476	0.166
CERVERA_S	109	0.450905	2.006873	0	0.001466	0.166
RODWELL_	323	0.393584	2.006523	0	0.001456	0.166
RUTELLA_R	404	0.384514	2.002827	0	0.001479	0.167
RADAEVA_	32	0.566863	2.001897	0	0.001486	0.169
TONKS_TAI	181	0.418565	2.000832	0	0.001516	0.173
DEBIASI_AF	241	0.405633	1.999514	0	0.001546	0.177
REACTOME	82	0.474152	1.997793	0	0.001616	0.185
HUANG_FC	36	0.558044	1.994573	0	0.001724	0.196
BOYALT_I	17	0.680259	1.992663	0	0.001776	0.203
ZHOU_INFL	431	0.380146	1.991526	0	0.001796	0.206
JISON_SICK	175	0.413665	1.99101	0	0.001808	0.209
BACODOD_	19	0.648173	1.990251	0	0.001804	0.21
MARKEY_R	199	0.412436	1.989944	0	0.0018	0.21
MCLACHLA	224	0.401545	1.989652	0	0.001805	0.211
LI_PROSTA	27	0.603537	1.988846	0	0.001801	0.212
MENSE_HY	94	0.457226	1.988806	0	0.001797	0.213
ZHU_CMV_	31	0.579945	1.988548	0	0.001786	0.213
UROSEVIC_	16	0.669328	1.987307	0	0.001842	0.221
FULCHER_I	424	0.379708	1.983561	0	0.00192	0.231
ZHANG_AN	24	0.622405	1.982538	0	0.001945	0.235
TURASHVIL	91	0.454319	1.982229	0	0.001948	0.237
SENESE_HC	219	0.407667	1.977743	0	0.002059	0.252
DER_IFN_B	81	0.466072	1.975654	0	0.002098	0.259
MITSIADES	423	0.376911	1.970431	0	0.002302	0.278
DOANE_BR	32	0.574405	1.968726	0	0.002345	0.283

GARGALOV	18	0.651937	1.967622	0.001754	0.002338	0.284
BECKER_TA	36	0.541713	1.965681	0	0.002381	0.291
TONKS_TAI	179	0.413163	1.964286	0	0.002388	0.292
GRUETZMA	339	0.380693	1.963133	0	0.002403	0.294
TURASHVIL	65	0.487393	1.962689	0	0.002403	0.296
KONDO_EZ	139	0.422725	1.960449	0	0.002473	0.306
BERTUCCI_	156	0.414744	1.959739	0	0.002472	0.307
GOZGIT_ES	137	0.421273	1.959067	0	0.002479	0.309
GRAHAM_(	23	0.609124	1.958158	0	0.002478	0.311
FRIDMAN_	33	0.550587	1.951969	0	0.00264	0.327
RUIZ_TNC_	145	0.422816	1.951719	0	0.002632	0.327
CHANDRAN	92	0.444153	1.947979	0	0.002758	0.342
RIGGI_EWI	175	0.407657	1.947319	0	0.00277	0.344
CHIARADOI	47	0.519501	1.946184	0.001684	0.002814	0.35
CHIARADOI	131	0.427078	1.941379	0	0.003075	0.375
TAKEDA_T/	165	0.410279	1.938028	0	0.003169	0.386
CHEN_LVAI	41	0.537139	1.937762	0.001667	0.003159	0.386
SHI_SPARC	23	0.610421	1.937321	0	0.003161	0.389
MYLLYKAN	16	0.666928	1.937256	0	0.003151	0.39
REACTOME	67	0.471626	1.933337	0	0.003269	0.402
KEGG_LEIS	67	0.473563	1.932408	0	0.003283	0.405
RORIE_TAR	25	0.596164	1.932279	0	0.003272	0.406
RUGO_ENV	28	0.575146	1.927266	0	0.003525	0.427
KRIGE_AMI	26	0.585726	1.926281	0.001698	0.003576	0.431
GRAHAM_(	44	0.518211	1.926146	0	0.003557	0.431
TAKEDA_T/	29	0.570318	1.926133	0	0.003539	0.431
AMIT_EGF_	156	0.411591	1.925923	0	0.00354	0.432
KEGG_JAK_	151	0.417738	1.924869	0	0.003552	0.435
BIOCARTA_	33	0.55396	1.924399	0	0.003552	0.437
CASORELLI	164	0.406883	1.924242	0	0.003547	0.439
LINDSTEDT	56	0.486431	1.923315	0	0.003565	0.442
KEGG_SMA	82	0.456146	1.923184	0	0.003554	0.443
GERY_CEBF	113	0.434117	1.922955	0	0.003548	0.444
KEGG_CELL	125	0.426785	1.922163	0	0.003572	0.446

DORSAM_H	29	0.567097	1.9211	0.001704	0.003596	0.45
HAN_SATB	310	0.378951	1.920808	0	0.003584	0.451
HALMOS_C	40	0.529529	1.91961	0	0.003613	0.454
CREIGHTON	447	0.36399	1.91858	0	0.003625	0.455
WANG_ESC	105	0.434521	1.917763	0	0.003625	0.458
SWEET_LUI	393	0.371823	1.916175	0	0.003677	0.465
TSENG_IRS	122	0.423925	1.915811	0	0.003677	0.467
GARCIA_TA	44	0.514182	1.914233	0	0.003768	0.475
BROWNE_H	141	0.413234	1.913908	0	0.003761	0.477
RODWELL_	142	0.414548	1.912825	0	0.003772	0.478
LEE_META	74	0.461077	1.910582	0.001577	0.003878	0.486
LINDSTEDT	53	0.49155	1.908652	0	0.004001	0.496
BROCKE_AI	139	0.417193	1.907364	0	0.004028	0.502
HOSHIDA_I	228	0.390873	1.906827	0	0.004015	0.503
LIANG_HEM	35	0.533652	1.906071	0.001718	0.004041	0.508
LANDIS_ER	36	0.537371	1.905036	0	0.004083	0.512
LEE_LIVER_	59	0.478041	1.900736	0	0.004294	0.528
BROWNE_H	168	0.406383	1.898508	0	0.004383	0.539
SAKAI_CHR	32	0.541206	1.898355	0.001724	0.004369	0.54
KORKOLA_U	32	0.545231	1.896288	0.001704	0.004496	0.551
ZHOU_INFL	489	0.358741	1.894215	0	0.004637	0.565
SUNG_MET	105	0.425635	1.892682	0	0.004676	0.567
AMIT_EGF_	58	0.472909	1.892209	0.001567	0.004682	0.568
TARTE_PLA	372	0.362083	1.890811	0	0.004784	0.576
SENESE_HC	420	0.364955	1.890551	0	0.004768	0.577
LEE_LIVER_	15	0.646105	1.89017	0	0.004779	0.582
HINATA_NI	64	0.468375	1.886222	0	0.005021	0.601
SESTO_RES	20	0.610962	1.885075	0.008375	0.005052	0.606
DIAZ_CHRC	114	0.421019	1.884211	0	0.005108	0.614
BROWNE_H	53	0.482419	1.882197	0	0.005221	0.624
JIANG_TIP	44	0.491296	1.880575	0	0.005302	0.633
SIMBULAN	30	0.551696	1.879517	0.001695	0.005336	0.636
MASSARWI	56	0.471367	1.877191	0	0.005482	0.647
RUTELLA_R	324	0.366429	1.876321	0	0.005515	0.651

RUTELLA_R	391	0.360146	1.876172	0	0.005497	0.652
RICKMAN_	106	0.429572	1.8755	0	0.005525	0.658
LIANG_SILE	20	0.608952	1.873386	0.001681	0.005668	0.668
ELVIDGE_H	86	0.442417	1.873307	0	0.005655	0.669
LINDGREN_	374	0.362527	1.87215	0	0.005691	0.671
KYNG_ENV	30	0.550117	1.870303	0	0.005797	0.679
KEGG_CYT	257	0.37529	1.87019	0	0.005788	0.681
KHETCHOU	44	0.4998	1.869784	0.001623	0.005775	0.681
NAKAYAMA	41	0.513659	1.869739	0	0.005756	0.681
KANG_CISF	19	0.610447	1.869696	0	0.005737	0.681
LANDIS_ER	134	0.406149	1.869194	0	0.005758	0.684
ST_GA12_F	21	0.588663	1.867959	0.003419	0.005817	0.692
GAUSSMAN	73	0.451671	1.865219	0	0.005948	0.699
TSUNODA_	27	0.545562	1.865072	0.003425	0.005933	0.699
VALK_AML	33	0.53851	1.864473	0	0.005944	0.701
KEGG_FOC	194	0.388503	1.862534	0	0.00603	0.709
KOKKINAKI	124	0.417078	1.858696	0	0.006306	0.724
PUIFFE_IN	141	0.403826	1.858449	0	0.006304	0.725
KANG_FLU	16	0.640989	1.857166	0.001783	0.006379	0.73
HELLER_SIL	239	0.373423	1.854191	0	0.006566	0.744
MCBRYAN_	185	0.389294	1.853717	0	0.006583	0.748
DER_IFN_G	57	0.476081	1.85279	0.00161	0.006614	0.748
HELLER_HC	235	0.371783	1.852764	0	0.006588	0.748
GEORGANT	17	0.625695	1.852452	0.003396	0.006572	0.748
VERHAAK_	237	0.373464	1.850994	0	0.00669	0.76
KIM_RESPC	126	0.411211	1.850912	0	0.006665	0.76
WANG_HCI	80	0.443899	1.850279	0	0.00669	0.762
REACTOME	82	0.437484	1.849858	0	0.006678	0.764
MIDORIKAI	36	0.511962	1.848495	0	0.006767	0.772
RUTELLA_R	306	0.364373	1.847216	0	0.006819	0.775
MORI_EML	16	0.629284	1.84578	0.003454	0.006866	0.779
MUELLER_I	42	0.492726	1.84525	0	0.006876	0.779
ICHIBA_GR	117	0.413093	1.843296	0	0.006989	0.785
MCBRYAN_	235	0.376803	1.842586	0	0.007034	0.789

ROZANOV_	33	0.516574	1.840892	0	0.00715	0.794
FUJII_YBX1	27	0.560496	1.840254	0.001842	0.007164	0.794
CHUNG_BL	40	0.50878	1.83999	0	0.00716	0.795
HELLER_SIL	87	0.428186	1.838923	0	0.007195	0.799
YAO_TEMP	67	0.448267	1.83852	0	0.007186	0.8
STOSSI_RE	36	0.518744	1.838473	0.0016	0.007165	0.8
RASHI_RES	37	0.515992	1.83751	0	0.007226	0.804
DAVICIONI_	248	0.368647	1.836825	0	0.007252	0.806
XU_HGF_SI	34	0.516154	1.835698	0	0.007335	0.811
BOYALT_I	25	0.55542	1.834857	0	0.007399	0.816
CONCANN	232	0.368256	1.834516	0	0.007394	0.817
BERENJENC	40	0.502435	1.833464	0	0.007453	0.819
ZHANG_AN	41	0.491567	1.832908	0.001709	0.007466	0.82
KIM_LRRC3	29	0.529281	1.830617	0	0.00765	0.827
HALMOS_C	41	0.495426	1.830013	0	0.007691	0.829
GARGALOV	124	0.402206	1.827688	0	0.007841	0.835
LE_SKI_TAF	16	0.636244	1.826788	0.005291	0.007911	0.84
FARMER_B	16	0.621075	1.825893	0.008389	0.007959	0.842
TENEDINI_I	53	0.463506	1.823745	0	0.008102	0.845
PETRETTO_	33	0.521374	1.823708	0.003367	0.008078	0.846
RUTELLA_R	239	0.36677	1.823096	0	0.008117	0.85
COULOUAF	85	0.423183	1.822346	0	0.008147	0.852
FARMER_B	15	0.632909	1.821963	0.007143	0.00814	0.854
LEE_LIVER_	59	0.455714	1.821763	0	0.008116	0.854
WINTER_H	211	0.375843	1.820282	0	0.008215	0.855
DE_YY1_TA	17	0.606188	1.819042	0.003317	0.008305	0.861
MCBRYAN_	107	0.417016	1.817186	0	0.008467	0.866
WALLACE_I	271	0.35918	1.814366	0	0.00867	0.875
REACTOME	82	0.431057	1.814118	0.001543	0.008666	0.876
LAIHO_COL	107	0.405876	1.813826	0	0.008669	0.877
SHAFFER_II	65	0.447655	1.811748	0	0.00884	0.881
NEWMAN_	26	0.542635	1.810954	0.003328	0.008886	0.883
TONKS_TAI	42	0.485378	1.808493	0.001724	0.009052	0.889
KEGG_ARR	73	0.439649	1.80634	0	0.009204	0.894

VERRECCHI	50	0.469022	1.805371	0.001605	0.009253	0.894
HOEBEKE_I	84	0.426219	1.804345	0	0.009308	0.897
CLASPER_L	19	0.598984	1.803695	0.007055	0.009325	0.898
AMIT_DELA	17	0.609711	1.800585	0.003503	0.009588	0.906
TIEN_INTES	48	0.472173	1.797936	0.001661	0.009826	0.912
CERVERA_S	103	0.411011	1.797669	0	0.009825	0.912
MACLACHL	16	0.625464	1.797662	0.005226	0.009793	0.912
CAIRO_HEF	203	0.370563	1.796702	0	0.009851	0.913
MISHRA_C	22	0.562562	1.796617	0.003384	0.009823	0.913
MAHADEV	19	0.590678	1.796419	0.003503	0.009815	0.913
ROSS_AML	51	0.470753	1.796147	0	0.009826	0.913
GEISS_RESF	31	0.511858	1.794401	0.001712	0.009982	0.916
GENTILE_U	30	0.521747	1.793295	0.001639	0.010054	0.919
AMIT_EGF_	20	0.572022	1.793236	0.006633	0.010026	0.919
BIOCARTA_	33	0.509244	1.792758	0.001608	0.010037	0.921
KIM_WT1_	157	0.38034	1.791592	0	0.01016	0.926
FLECHNER_	39	0.486075	1.791321	0.001595	0.010147	0.926
HOEGERKO	16	0.618207	1.787388	0.005181	0.010501	0.936
GARGALOV	17	0.608517	1.785305	0.010187	0.010703	0.937
BASSO_CD	95	0.411651	1.781786	0	0.011052	0.94
OKUMURA	180	0.371213	1.77912	0	0.011366	0.944
REACTOME	23	0.553462	1.778894	0.005137	0.011382	0.944
BOYLAN_M	71	0.435528	1.778598	0	0.011377	0.945
BIOCARTA_	16	0.624422	1.777184	0.003367	0.011504	0.949
WOO_LIVE	103	0.40134	1.776149	0	0.011615	0.951
HUPER_BR	53	0.453789	1.775431	0	0.011653	0.952
ADDYA_ER	59	0.448797	1.77533	0	0.011628	0.952
SEIDEN_ON	83	0.412849	1.774538	0	0.011684	0.952
DUTTA_AP	31	0.515937	1.772869	0	0.011898	0.957
SENESE_HC	214	0.360877	1.772342	0	0.011946	0.958
HAN_SATB	315	0.34983	1.772088	0	0.011943	0.958
CHEBOTAE	115	0.39362	1.77183	0	0.011951	0.958
ODONNELL	387	0.342713	1.771158	0	0.012001	0.961
DORSEY_G	22	0.552846	1.771115	0.003344	0.011986	0.961

REACTOME	116	0.397837	1.769877	0	0.012122	0.961
SESTO_RES	53	0.457483	1.769642	0.001626	0.012107	0.961
LI_CISPLAT	28	0.524952	1.769388	0.003378	0.012111	0.961
COATES_M	62	0.438223	1.768892	0	0.012135	0.962
AMIT_SERL	32	0.509319	1.767832	0.001653	0.012254	0.964
HARRIS_HY	77	0.425934	1.767164	0.003049	0.012296	0.964
CROMER_M	60	0.447119	1.764366	0.00491	0.012606	0.967
KORKOLA_	49	0.456416	1.762485	0	0.012824	0.972
ZHAN_MUI	17	0.599818	1.761617	0.005495	0.012895	0.973
BOYLAN_M	80	0.421287	1.761471	0	0.012879	0.973
HESS_TARC	69	0.432013	1.757904	0.001582	0.013281	0.976
FONTAINE_	25	0.540589	1.757035	0.003268	0.013402	0.977
MCBRYAN_	32	0.50537	1.756976	0.001745	0.013367	0.977
AIYAR_COE	37	0.48708	1.75686	0.003226	0.013353	0.978
BROWNE_I	97	0.399046	1.755712	0	0.013462	0.978
AMIT_EGF_	19	0.571406	1.755373	0.008834	0.013475	0.978
SA_MMP_C	15	0.61107	1.752766	0.003454	0.013797	0.979
SANA_TNF_	81	0.420119	1.749737	0.001582	0.014191	0.983
KOKKINAKI	116	0.388635	1.748003	0	0.014457	0.984
ODONNELL	77	0.41467	1.747788	0	0.014447	0.984
BROWNE_I	288	0.344474	1.746346	0	0.014574	0.984
BIOCARTA_	29	0.523653	1.745547	0.001751	0.014647	0.984
WATTEL_A	24	0.539659	1.745295	0.005329	0.014653	0.984
DORN_ADE	35	0.488214	1.742939	0.008264	0.015003	0.985
LINDGREN_	135	0.37837	1.74219	0	0.015104	0.985
SABATES_C	126	0.383318	1.74186	0	0.015102	0.985
KEGG_CON	66	0.421752	1.739259	0.00165	0.015501	0.987
FURUKAWA	67	0.423235	1.738238	0.001623	0.015626	0.987
BROWNE_I	83	0.405263	1.737481	0	0.015728	0.989
CHEN_LVAI	100	0.402812	1.737172	0	0.015732	0.989
KAN_RESPC	113	0.39024	1.737108	0	0.015696	0.989
KIM_WT1_	153	0.377019	1.737104	0	0.015653	0.989
HOOI_ST7_	82	0.415033	1.736776	0.00159	0.015663	0.989
CHIARADOI	47	0.462616	1.732363	0.004902	0.016369	0.992

MASRI_RES	19	0.565438	1.73121	0.005386	0.016529	0.992
ICHIBA_GR	91	0.404079	1.73058	0	0.016572	0.992
VANTVEER_	217	0.354675	1.729205	0	0.016756	0.992
VART_KSH	132	0.380279	1.729	0	0.016753	0.992
CHIN_BREA	20	0.559682	1.728463	0.005119	0.016815	0.992
KANNAN_T	48	0.459102	1.727769	0.003344	0.016878	0.993
ONDER_CD	127	0.379871	1.727489	0	0.016875	0.993
CLASPER_L	34	0.488387	1.727329	0.0016	0.016869	0.993
IZADPANAF	124	0.380264	1.726848	0	0.016894	0.993
REACTOME	98	0.392199	1.726233	0.001522	0.016932	0.993
KEGG_GRA	32	0.507555	1.725837	0.003367	0.016976	0.993
REACTOME	103	0.388221	1.725743	0.001536	0.016944	0.993
GRAHAM_(	53	0.445104	1.725311	0	0.016982	0.993
TANG_SEN	22	0.545552	1.724383	0.008237	0.017072	0.993
SENESE_HC	116	0.386379	1.723151	0.001527	0.017243	0.993
FLOTHO_PI	51	0.442626	1.722498	0.003356	0.017345	0.993
RODRIGUE:	152	0.366354	1.719892	0	0.017742	0.994
CHEN_LUN	21	0.545179	1.719574	0.006897	0.017752	0.994
DORN_ADE	31	0.497973	1.719007	0.001712	0.017802	0.994
THUM_SYS	393	0.328201	1.718622	0	0.017815	0.994
WANG_BAI	31	0.496315	1.718288	0.006861	0.017831	0.995
SMID_BRE/	296	0.343404	1.71792	0	0.017832	0.995
VALK_AML	36	0.477413	1.716969	0.005155	0.017957	0.995
REACTOME	16	0.576718	1.716591	0.017513	0.017952	0.995
SENESE_HC	463	0.325216	1.715686	0	0.018073	0.995
YAO_TEMP	65	0.420886	1.715673	0	0.018031	0.995
GU_PDEF_	31	0.49942	1.714534	0.006757	0.018203	0.995
KEGG_PAN	68	0.418134	1.714148	0.001558	0.018215	0.995
WIELAND_	97	0.389992	1.713235	0.001524	0.018377	0.995
BIOCARTA_	18	0.578543	1.712625	0.014035	0.018448	0.995
HADDAD_T	77	0.405033	1.711177	0.00157	0.018674	0.995
TAKEDA_T/	186	0.356656	1.71108	0	0.01864	0.995
AMUNDSO	175	0.359495	1.71041	0	0.018686	0.995
KIM_MYCN	80	0.404547	1.709852	0.001603	0.018732	0.995

HOUSTIS_R	30	0.492962	1.708948	0.001733	0.018828	0.995
LAU_APOP	54	0.435195	1.708183	0.001634	0.018954	0.996
LU_IL4_SIG	61	0.42317	1.707581	0	0.019022	0.996
GAL_LEUKE	125	0.376243	1.706648	0	0.019179	0.996
KEGG_BLA1	40	0.466607	1.706231	0.003356	0.019232	0.996
DORN_ADE	31	0.502904	1.705994	0.009788	0.01922	0.996
SASSON_RI	71	0.415608	1.705551	0.003082	0.019235	0.996
ROVERSI_G	39	0.471136	1.705476	0.001681	0.019197	0.996
CASORELLI	37	0.483142	1.705389	0.008361	0.019166	0.996
KEGG_PATI	321	0.334045	1.705293	0	0.019143	0.996
MARZEC_IL	103	0.391007	1.704774	0	0.019172	0.996
GARGALOV	22	0.530021	1.704364	0.008818	0.019195	0.996
WEINMANI	23	0.532277	1.703586	0.005042	0.019316	0.997
TSENG_AD	42	0.462701	1.703398	0.003252	0.019307	0.997
PASPYPRI	50	0.447034	1.701435	0.003328	0.019685	0.997
ZHAN_MUI	41	0.464055	1.701204	0.001656	0.019678	0.997
HAHTOLA_	15	0.602194	1.700218	0.006849	0.019814	0.998
SESTO_RES	70	0.413927	1.699297	0.001642	0.019986	0.998
BILBAN_B_	38	0.465245	1.699255	0.010239	0.019948	0.998
HOFFMANI	22	0.535251	1.698405	0.010601	0.020068	0.998
ENK_UV_R	497	0.320425	1.698355	0	0.020024	0.998
GARGALOV	67	0.419975	1.698058	0	0.020042	0.998
RICKMAN_	248	0.340818	1.696253	0	0.020335	0.999
GAJATE_RE	50	0.433835	1.695266	0.003115	0.020476	0.999
KIM_WT1_	198	0.350929	1.694307	0	0.020646	1
BIOCARTA_	20	0.556384	1.694061	0.006803	0.020657	1
LIU_CMYB_	156	0.360751	1.693517	0	0.020701	1
WOTTON_I	17	0.579952	1.693192	0.014901	0.020723	1
VECCHI_GA	338	0.332398	1.693087	0	0.020714	1
ENGELMAN	63	0.422362	1.693047	0	0.020669	1
KEGG_RIBC	85	0.401546	1.692728	0	0.020666	1
LIU_VAV3_	17	0.570704	1.692406	0.01275	0.020669	1
KEGG_DILA	89	0.391039	1.690596	0	0.020965	1
KOBAYASH	18	0.556498	1.690584	0.010638	0.020918	1

ASTON_M/	46	0.448255	1.690067	0.003419	0.020974	1
KYNG_DNA	17	0.564266	1.686799	0.016043	0.021564	1
WEIGEL_O/	56	0.425722	1.684831	0.001608	0.021937	1
FERRANDO	75	0.404576	1.684212	0	0.021989	1
GENTILE_U	241	0.34025	1.683347	0	0.022083	1
FERRANDO	17	0.569292	1.682932	0.012727	0.022107	1
DAVICIONI_	166	0.35531	1.68267	0	0.022125	1
REACTOME	116	0.376741	1.681687	0.001475	0.02228	1
MATTIOLI_	35	0.477732	1.681624	0.010345	0.022247	1
TURASHVIL	87	0.393508	1.680968	0	0.022326	1
MUELLER_	23	0.536134	1.680585	0.023256	0.022322	1
SEITZ_NEO	30	0.496515	1.679074	0.008278	0.022621	1
MARZEC_IL	33	0.477689	1.679055	0.008264	0.02258	1
FERRARI_R	16	0.565818	1.677984	0.024096	0.022764	1
DIRMEIER_	52	0.42975	1.677697	0.003263	0.022756	1
TSAI_RESP	118	0.372497	1.675702	0	0.023103	1
TONKS_TAI	16	0.569811	1.673062	0.021661	0.023628	1
STEARMAN	31	0.477463	1.672404	0.005059	0.023736	1
RUGO_RES	17	0.564266	1.671843	0.006981	0.023795	1
BILD_CTNN	71	0.404607	1.671768	0	0.023757	1
STREICHER_	19	0.55449	1.670454	0.003509	0.023966	1
LANDIS_BR	64	0.412647	1.66843	0.00316	0.024325	1
LI_CISPLAT	33	0.471455	1.667778	0.006667	0.024426	1
MARCHINI_	45	0.439686	1.666765	0.006483	0.024571	1
CASTELLAN	55	0.43063	1.666765	0.007911	0.024518	1
VART_KSH	160	0.35181	1.665638	0	0.024722	1
YAO_TEMP	63	0.417592	1.664652	0.003448	0.02489	1
REACTOME	320	0.324666	1.659739	0	0.026063	1
GARGALOV	68	0.40812	1.658352	0.003072	0.026295	1
CHIARADOI	106	0.377823	1.657875	0.001634	0.026386	1
NELSON_RI	81	0.388929	1.657199	0.003035	0.026451	1
ENGELMAN	47	0.429508	1.65697	0.006791	0.026454	1
DOUGLAS_	274	0.330393	1.656319	0	0.026546	1
LI_CYTIDIN	16	0.560241	1.656217	0.01083	0.026515	1

DORN_ADE	23	0.519228	1.655783	0.012069	0.026556	1
GRATIAS_R	17	0.557726	1.654402	0.017212	0.026818	1
YAO_TEMP	28	0.48585	1.653358	0.010345	0.027052	1
LEONARD_	33	0.469368	1.652615	0.011986	0.027185	1
GAZDA_DI/	38	0.45996	1.650975	0.006981	0.027478	1
ZUCCHI_M/	27	0.498538	1.650375	0.015464	0.027593	1
BOHN_PRII	25	0.502483	1.650228	0.012259	0.027573	1
VALK_AML	31	0.48223	1.649545	0.001634	0.027631	1
PICCALUGA	125	0.359148	1.649056	0	0.027666	1
KYNG_DNA	32	0.466371	1.64788	0.010239	0.02792	1
FARMER_B	322	0.32144	1.646622	0	0.028183	1
IZADPANAF	102	0.372396	1.645421	0.001608	0.028425	1
TAKEDA_T/	126	0.360654	1.645229	0.004292	0.028409	1
KEGG_STAI	41	0.44513	1.643462	0.008418	0.028809	1
BIOCARTA_	15	0.574767	1.641292	0.016334	0.029373	1
TIAN_TNF_	16	0.56429	1.639586	0.02069	0.029722	1
PEPPER_CF	33	0.464664	1.639499	0.017094	0.029699	1
GAUSSMAN	29	0.480309	1.639467	0.016639	0.02966	1
ZHAN_MUI	39	0.451355	1.638911	0.008636	0.029759	1
NGUYEN_N	64	0.402983	1.638009	0.00312	0.029953	1
AMIT_EGF_	42	0.445496	1.634444	0.013722	0.03102	1
NAKAMUR,	264	0.331212	1.634103	0	0.031045	1
RUTELLA_R	226	0.331661	1.632511	0	0.031444	1
CROMER_T	44	0.435726	1.630188	0.010101	0.032041	1
BARRIER_C	16	0.56154	1.629196	0.02385	0.032242	1
REACTOME	18	0.552186	1.629115	0.017271	0.032204	1
NIKOLSKY_	21	0.526258	1.628628	0.017668	0.032281	1
REACTOME	16	0.558894	1.628445	0.018966	0.03227	1
CHIBA_RES	18	0.539376	1.628099	0.014519	0.032299	1
SENESE_HC	107	0.362426	1.627775	0.001531	0.032328	1
LEE_LIVER_	41	0.442824	1.627524	0.008224	0.032357	1
KEGG_THYI	28	0.486775	1.626448	0.006981	0.032611	1
JI_METAST.	23	0.515183	1.625356	0.012153	0.032849	1
LIAO_HAVE	38	0.45211	1.624849	0.01528	0.032925	1

DORN_ADE	26	0.481335	1.624843	0.014414	0.03286	1
MURATA_\	16	0.553052	1.624634	0.01642	0.032864	1
RIGGI_EWI	398	0.314157	1.624571	0	0.03283	1
REACTOME	92	0.376338	1.624373	0	0.032841	1
YAMASHIT/	55	0.40522	1.623832	0.006309	0.032961	1
YAMASHIT/	46	0.429345	1.62275	0.006329	0.033254	1
KEGG_ERBI	85	0.378866	1.621414	0.003091	0.03362	1
SENGUPTA	331	0.313878	1.621086	0	0.033681	1
SWEET_LUI	421	0.309474	1.620985	0	0.033644	1
BASSO_HA|	78	0.387595	1.620602	0.003263	0.033693	1
SCHEIDERE	15	0.566478	1.620073	0.017153	0.033765	1
CUI_TCF21	27	0.484608	1.620061	0.01642	0.033705	1
TAVOR_CEI	21	0.51459	1.619688	0.022222	0.033754	1
KEGG_VIR#	63	0.401822	1.619332	0.004815	0.033782	1
RUGO_STR	32	0.466371	1.618922	0.009934	0.033846	1
BIOCARTA_	31	0.469394	1.618842	0.020202	0.033805	1
BAELDE_DI	35	0.45442	1.618834	0.003344	0.033743	1
REACTOME	111	0.364905	1.618321	0.001493	0.033838	1
KAPOSI_LIV	17	0.539026	1.61798	0.019713	0.033856	1
NAKAYAM/	70	0.394826	1.615875	0.006441	0.03441	1
GAUSSMA#	130	0.353426	1.615798	0.00303	0.034366	1
SASSON_RI	69	0.392967	1.615313	0.00311	0.034467	1
KEGG_APO	87	0.37693	1.614792	0	0.034582	1
AMIT_SERL	38	0.445546	1.614473	0.003356	0.034623	1
YAGI_AML_	35	0.450897	1.614399	0.01318	0.034569	1
DEURIG_T_	298	0.317193	1.612666	0	0.03508	1
INGA_TP53	16	0.551457	1.61063	0.016216	0.035618	1
BASAKI_YB	345	0.313115	1.610156	0	0.035696	1
BIOCARTA_	17	0.530209	1.609824	0.017331	0.035713	1
SMID_BRE/	446	0.30752	1.60973	0	0.03568	1
OLSSON_E;	27	0.482304	1.60943	0.014085	0.035697	1
SMITH_TEF	69	0.391656	1.608288	0.006452	0.035948	1
SHAFFER_II	36	0.442071	1.607133	0.008292	0.036227	1
REACTOME	19	0.527661	1.606554	0.027826	0.036398	1

KOYAMA_S	218	0.329035	1.606264	0	0.036416	1
SASSON_RI	72	0.385433	1.604794	0.006088	0.036796	1
FARMER_B	313	0.314762	1.603445	0	0.037174	1
TOOKER_RI	74	0.381604	1.601219	0.011058	0.037801	1
LEE_NEUR/	115	0.358945	1.598431	0.001548	0.038576	1
LEE_LIVER_	41	0.442824	1.59773	0.010309	0.038724	1
KLEIN_PRIN	55	0.40449	1.59747	0.008091	0.03873	1
GHO_ATF5	15	0.560743	1.597329	0.034539	0.038706	1
ZHANG_RE	16	0.558812	1.597163	0.032759	0.038697	1
AMUNDSO	78	0.37663	1.595291	0.004967	0.03923	1
REACTOME	21	0.507097	1.595077	0.021886	0.039212	1
BIOCARTA_	16	0.54313	1.593592	0.023214	0.039664	1
BERENJENC	348	0.310455	1.5934	0	0.039653	1
REACTOME	65	0.396381	1.592826	0.003279	0.039819	1
MILI_PSEU|	416	0.306664	1.59153	0	0.04016	1
LINDGREN_	215	0.328123	1.589982	0	0.040587	1
TOOKER_G	74	0.381604	1.588854	0.009132	0.040875	1
AIGNER_ZE	29	0.469561	1.587925	0.016639	0.041153	1
KEGG_NOE	61	0.399353	1.587895	0.006525	0.04109	1
LEE_LIVER_	61	0.389959	1.586358	0.009836	0.041538	1
BROWNE_I	47	0.42023	1.585971	0.014851	0.041621	1
BILBAN_B_	60	0.398288	1.585732	0.011475	0.041626	1
WENDT_CC	28	0.46809	1.585687	0.025597	0.041572	1
ZHU_CMV_	59	0.402575	1.585313	0.009615	0.041639	1
CHIARETTI_	26	0.469277	1.584227	0.020374	0.042003	1
LEE_NEUR/	144	0.339022	1.58352	0.001447	0.042198	1
NAM_FXYC	17	0.538739	1.583259	0.019366	0.042207	1
MARSON_F	22	0.504799	1.582159	0.026502	0.04257	1
REACTOME	48	0.408679	1.581954	0.009983	0.042588	1
ZHAN_MUI	41	0.4234	1.581441	0.008347	0.042682	1
KEGG_MET	58	0.401263	1.581014	0.014901	0.042776	1
RODRIGUE:	118	0.353487	1.580539	0.003017	0.04287	1
ZHAN_MUI	37	0.434375	1.579619	0.014151	0.043085	1
BILD_SRC_I	55	0.405859	1.579202	0.009615	0.043162	1

REACTOME	39	0.427786	1.578992	0.020478	0.04316	1
LINDSTEDT	58	0.399704	1.578661	0.011513	0.0432	1
TOOKER_G	122	0.348616	1.578489	0.004478	0.043205	1
BROWNE_I	52	0.403687	1.578124	0.019969	0.043276	1
SUH_COEX	17	0.530777	1.577886	0.021898	0.04326	1
TONKS_TAI	52	0.410766	1.577709	0.016287	0.043252	1
HOSHIDA_I	73	0.38298	1.576855	0.004724	0.043481	1
TURASHVIL	64	0.394296	1.576338	0.010972	0.043597	1
BIOCARTA_	18	0.512585	1.576242	0.035149	0.043545	1
VERRECCHI	19	0.519802	1.575895	0.027539	0.043578	1
DACOSTA_	75	0.377846	1.574765	0.00641	0.043898	1
VERRECCHI	18	0.529241	1.574366	0.037702	0.043975	1
MOHANKU	155	0.338388	1.572298	0.00292	0.044608	1
BIOCARTA_	36	0.435901	1.572124	0.018707	0.04459	1
REACTOME	17	0.532861	1.571101	0.024561	0.044843	1
ST_TUMOR	28	0.464839	1.570678	0.038851	0.044958	1
ENK_UV_R	278	0.312524	1.570384	0	0.044996	1
TING_SILEN	27	0.464461	1.569704	0.025338	0.045156	1
LINDGREN_	43	0.425017	1.569044	0.011589	0.04536	1
FINETTI_BF	15	0.555538	1.568091	0.03259	0.045624	1
MASSARWI	225	0.318047	1.567464	0	0.045764	1
KEGG_HYP	82	0.370502	1.567279	0.01248	0.045758	1
MONNIER_	311	0.307114	1.567061	0.001339	0.045789	1
KEGG_TOLI	100	0.359537	1.566512	0.001538	0.045915	1
TOOKER_R	122	0.348616	1.563952	0.00607	0.046762	1
LINDSTEDT	45	0.410963	1.560872	0.010221	0.047891	1
BIOCARTA_	21	0.505695	1.559907	0.021207	0.048174	1
YAGI_AML_	403	0.300423	1.55921	0	0.048379	1
BIOCARTA_	55	0.39283	1.5558	0.016611	0.049685	1
LEE_LIVER_	59	0.39318	1.55577	0.012618	0.049615	1
YANG_BRE	19	0.497427	1.555132	0.03405	0.049772	1
NUTT_GBM	44	0.413537	1.554588	0.015571	0.049956	1
KANG_IMN	88	0.359543	1.551576	0.00768	0.051159	1
DOANE_BR	48	0.407986	1.551433	0.022298	0.051141	1

BIOCARTA_	22	0.490116	1.550991	0.027586	0.051239	1
JAATINEN_	298	0.304535	1.550483	0.001337	0.05138	1
DE_YY1_TA	89	0.354359	1.5497	0.007874	0.051591	1
SATO_SILEI	399	0.297003	1.546678	0	0.052709	1
MCBRYAN_	69	0.378926	1.545262	0.018898	0.05317	1
ROSS_LEUK	74	0.373173	1.544164	0.011254	0.053502	1
SPIRA_SMC	38	0.426173	1.543768	0.034602	0.05359	1
PARK_TRET	18	0.516248	1.543161	0.029825	0.053757	1
DAZARD_U	21	0.498241	1.541369	0.033043	0.054411	1
MCBRYAN_	167	0.322033	1.541253	0	0.054382	1
KYNG_DNA	26	0.464387	1.540484	0.022968	0.054614	1
SHAFFER_II	95	0.357432	1.54018	0.009404	0.054664	1
GAURNIER_	54	0.39055	1.539661	0.026016	0.05478	1
XU_AKT1_1	24	0.475417	1.538437	0.043178	0.055275	1
HUTTMANI	261	0.307033	1.537916	0	0.055418	1
HELLER_HC	242	0.308657	1.537031	0.001385	0.055732	1
FAELT_B_C	45	0.409551	1.536885	0.021523	0.055709	1
GAUSSMAN	152	0.330353	1.5361	0.001441	0.055983	1
BIOCARTA_	17	0.517999	1.53605	0.021016	0.055908	1
WONG_EN	18	0.520596	1.535874	0.037866	0.055892	1
RUGO_UV_	26	0.464387	1.53565	0.030875	0.055914	1
ROPERO_H	89	0.355253	1.535616	0.01454	0.055843	1
LEE_LIVER_	58	0.388921	1.535368	0.011345	0.055831	1
FRASOR_RI	29	0.45949	1.534243	0.025253	0.05622	1
MATSUDA_	423	0.29337	1.533797	0	0.056278	1
PARK_TRET	25	0.468496	1.531622	0.032787	0.057178	1
REACTOME	28	0.454641	1.531508	0.02109	0.057124	1
NING_CHRI	59	0.381446	1.531278	0.009539	0.057133	1
KEGG_FC_C	94	0.349411	1.530602	0.004747	0.057357	1
TONKS_TAI	195	0.316838	1.529751	0.002899	0.05765	1
SMID_BRE/	80	0.361569	1.527967	0.009245	0.05834	1
LEE_LIVER_	57	0.39033	1.527646	0.010017	0.058404	1
BROWNE_H	474	0.287888	1.527447	0	0.058377	1
DAZARD_R	81	0.365908	1.52706	0.010972	0.058463	1

ZHAN_V1_I	31	0.436125	1.526248	0.023891	0.058738	1
REACTOME	56	0.385472	1.525214	0.016103	0.059143	1
SAGIV_CD2	44	0.404166	1.52449	0.02385	0.05939	1
HUTTMANI	57	0.383659	1.524488	0.022082	0.059298	1
ZHAN_LATI	23	0.481977	1.524291	0.032986	0.059288	1
ABE_VEGF/	19	0.49977	1.524123	0.036728	0.059275	1
REACTOME	57	0.380583	1.521324	0.018957	0.060501	1
CHIANG_LI'	142	0.334209	1.520682	0	0.060721	1
GRADE_CO	27	0.451563	1.519505	0.035413	0.06115	1
TOMLINS_I	39	0.417117	1.516352	0.020513	0.062609	1
YANG_BRE.	18	0.513787	1.515986	0.026132	0.062689	1
BERENJENC	24	0.476084	1.514882	0.039519	0.06313	1
DASU_IL6_	56	0.382456	1.514827	0.016	0.063049	1
WOOD_EB'	45	0.403584	1.514788	0.023529	0.062968	1
TIAN_TNF_	21	0.4823	1.514451	0.028381	0.063035	1
DAZARD_U	17	0.51113	1.514447	0.046931	0.062939	1
BIOCARTA_	23	0.469411	1.514237	0.032086	0.062961	1
LEE_LIVER_	58	0.376277	1.512419	0.014377	0.063792	1
ZHAN_MUI	49	0.394165	1.512223	0.025641	0.063792	1
FOURNIER_	19	0.499495	1.511632	0.048986	0.063989	1
REACTOME	47	0.396511	1.511504	0.027539	0.063954	1
HOFFMANI	18	0.501629	1.510519	0.049404	0.064357	1
VERRECCHI	36	0.418713	1.510513	0.025554	0.064263	1
ROYLANCE_	32	0.434448	1.509482	0.035	0.064711	1
MORI_PRE_	65	0.370427	1.509363	0.014827	0.064669	1
HOFMANN	24	0.470968	1.509103	0.033275	0.064718	1
WU_SILEN	44	0.399901	1.508732	0.023729	0.064811	1
CHO_NR4A	23	0.471301	1.508556	0.043919	0.064819	1
KEGG_OTH	16	0.516236	1.50832	0.05	0.06483	1
ROY_WOU	45	0.395753	1.506142	0.025338	0.065842	1
HENDRICKS	38	0.410868	1.504581	0.014851	0.06655	1
WOOD_EB'	100	0.3424	1.503827	0.00936	0.066799	1
GENTILE_U	33	0.428466	1.50333	0.028381	0.066998	1
ST_WNT_B	31	0.43	1.502705	0.033956	0.067186	1

LIEN_BREA	33	0.442906	1.502575	0.033841	0.067146	1
TARTE_PLA	74	0.359793	1.502467	0.012945	0.067111	1
GNATENKC	33	0.429013	1.501282	0.031524	0.06758	1
IVANOVA_I	71	0.362495	1.500851	0.019969	0.067691	1
KYNG_DNA	39	0.411563	1.499949	0.035273	0.068067	1
CROONQUI	15	0.529545	1.499423	0.057793	0.068244	1
BIOCARTA_	19	0.495147	1.499271	0.040925	0.068222	1
GOLDRATH	56	0.384446	1.498683	0.018364	0.068441	1
KAAB_HEA	236	0.307067	1.497923	0.002778	0.06877	1
BIOCARTA_	32	0.434265	1.497066	0.030844	0.069175	1
TRAYNOR_	22	0.474223	1.496749	0.054237	0.069225	1
BIOCARTA_	46	0.393454	1.496045	0.02385	0.069476	1
SENGUPTA	369	0.289438	1.495606	0	0.069633	1
JIANG_HYP	215	0.306368	1.495281	0.002813	0.069697	1
YANG_BRE	25	0.450798	1.495233	0.05151	0.069616	1
GU_PDEF_	67	0.371141	1.494864	0.023401	0.069677	1
HUANG_FC	45	0.405492	1.494835	0.028381	0.069597	1
SESTO_RES	37	0.419417	1.494272	0.034539	0.069823	1
WINTER_H	45	0.401051	1.493835	0.030151	0.069927	1
CHIANG_LI	138	0.324559	1.492864	0.006024	0.07034	1
KEGG_DRU	62	0.366835	1.491294	0.0192	0.071085	1
RUGO_STR	39	0.411563	1.491076	0.0256	0.071103	1
CHEMNITZ	341	0.290951	1.489906	0	0.071662	1
ACEVEDO_	275	0.296223	1.488443	0.002732	0.072358	1
DACOSTA_	28	0.436849	1.487573	0.046745	0.072677	1
KEGG_ARA	54	0.381102	1.486289	0.022544	0.073242	1
TONKS_TAI	19	0.481174	1.48452	0.049002	0.074087	1
BIOCARTA_	17	0.500819	1.483456	0.049296	0.074577	1
KEGG_AXO	128	0.325073	1.482987	0.007669	0.074727	1
ELLWOOD_	33	0.434142	1.482034	0.033929	0.075177	1
GENTILE_U	48	0.381863	1.481589	0.043974	0.075272	1
TOMLINS_I	33	0.420043	1.481497	0.042808	0.075214	1
XU_GH1_A	118	0.326755	1.479759	0.014196	0.076074	1
LE_EGR2_T	97	0.342891	1.478591	0.015129	0.076684	1

BERENJENC	27	0.448767	1.478587	0.046205	0.076578	1
GESERICK_	20	0.471223	1.47833	0.037906	0.076623	1
MARSON_F	36	0.411276	1.478322	0.033445	0.076519	1
BRUECKNE	110	0.328832	1.47811	0.012384	0.076515	1
SATO_SILEI	43	0.39501	1.477641	0.032929	0.076659	1
OLSSON_E	19	0.479619	1.477443	0.052189	0.076661	1
DOANE_BR	69	0.358685	1.476121	0.014446	0.077303	1
TAVOR_CEI	43	0.395485	1.476011	0.028617	0.077281	1
BOYLAN_M	37	0.414216	1.475962	0.040636	0.077202	1
ST_INTEGR	76	0.35114	1.475598	0.018868	0.077276	1
TAKEDA_T	81	0.346705	1.474699	0.012384	0.077693	1
BIOCARTA_	15	0.512422	1.474077	0.060137	0.077963	1
BIOCARTA_	27	0.440936	1.474037	0.041379	0.077874	1
GINESTIER_	103	0.331929	1.473692	0.013575	0.077971	1
BHATI_G2M	126	0.324065	1.47365	0.010279	0.077885	1
ONDER_CD	163	0.315508	1.472733	0.007299	0.07823	1
VALK_AML	26	0.438933	1.471873	0.051155	0.078648	1
BROWNE_I	53	0.383676	1.471043	0.033167	0.079043	1
GOTTWEIN	60	0.369889	1.470383	0.023847	0.079328	1
TAKADA_G	22	0.465075	1.469547	0.044326	0.079707	1
REACTOME	21	0.473809	1.469262	0.058201	0.079764	1
PAPASPYRI	43	0.404268	1.468723	0.035831	0.080024	1
ZHAN_MUI	46	0.392021	1.468324	0.038961	0.080144	1
VALK_AML	23	0.463476	1.467622	0.061856	0.080468	1
KEGG_ACU	55	0.37468	1.46655	0.030695	0.081	1
BERNARD_	53	0.374912	1.4657	0.039216	0.081412	1
DANG_MY	30	0.431428	1.464663	0.044905	0.081922	1
REACTOME	64	0.360353	1.463504	0.0209	0.082518	1
CHIBA_RES	38	0.402588	1.462347	0.033389	0.083056	1
ZHANG_TA	83	0.34295	1.461994	0.015456	0.083145	1
TURASHVIL	67	0.360684	1.46086	0.030894	0.083693	1
SMITH_TEF	127	0.318947	1.460838	0.009317	0.08359	1
KANG_IMN	99	0.329909	1.46061	0.018018	0.083613	1
SASSON_RI	70	0.359226	1.459868	0.028708	0.083911	1

BIOCARTA_	16	0.495701	1.459763	0.063492	0.083881	1
THUM_MIF	17	0.491179	1.457307	0.082474	0.085187	1
RIZ_ERYTHI	38	0.402487	1.457064	0.044068	0.085192	1
EBAUER_T/	196	0.301161	1.456057	0.002907	0.085666	1
RAGHAVAC	69	0.360572	1.454889	0.03231	0.086269	1
KARAKAS_1	15	0.50584	1.452838	0.067138	0.08746	1
WU_HBX_1	22	0.456586	1.452602	0.057627	0.087503	1
WANG_CIS	140	0.314101	1.452521	0.004601	0.087458	1
DASU_IL6_	16	0.503579	1.45228	0.058076	0.087492	1
MANN_RE	18	0.478065	1.449904	0.071429	0.088869	1
REACTOME	51	0.368802	1.449787	0.035473	0.088818	1
LEE_LIVER_	53	0.366119	1.449188	0.039683	0.089083	1
DACOSTA_	409	0.278937	1.448262	0	0.089547	1
ZHAN_MUI	43	0.385708	1.448072	0.042693	0.089577	1
ZHAN_MUI	42	0.392912	1.448062	0.041051	0.089463	1
SNIJDERS_	31	0.41767	1.446711	0.042904	0.090253	1
DAZARD_R	152	0.310677	1.446657	0.008511	0.090163	1
REACTOME	96	0.335251	1.446352	0.01461	0.09026	1
KEGG_O_G	26	0.432329	1.446256	0.06446	0.090204	1
ST_P38_M/	35	0.401374	1.445043	0.046552	0.090885	1
BALDWIN_	33	0.411695	1.444848	0.053913	0.090911	1
REACTOME	29	0.419179	1.444492	0.06383	0.091024	1
KIM_MYCN	72	0.349335	1.442562	0.03962	0.092245	1
AMUNDSO	147	0.308774	1.439935	0.010309	0.093916	1
RADMACHI	75	0.349722	1.439391	0.024272	0.094132	1
GUTIERREZ	54	0.369058	1.438881	0.033654	0.094325	1
KEGG_NAT	129	0.316033	1.437805	0.013534	0.094864	1
FONTAINE_	59	0.364657	1.43751	0.032949	0.094944	1
KEGG_ADH	73	0.350022	1.437305	0.029921	0.094981	1
LOPEZ_EPI	16	0.502715	1.437232	0.083624	0.094902	1
FLECHNER_	48	0.378644	1.436578	0.038143	0.095191	1
REACTOME	161	0.307159	1.43631	0.016035	0.095249	1
SMID_BRE/	25	0.443866	1.4358	0.064892	0.095478	1
STEIN_ESTI	17	0.494759	1.433558	0.069808	0.096891	1

REACTOME	268	0.284939	1.433246	0	0.096997	1
REACTOME	81	0.340967	1.432898	0.030488	0.097099	1
KEGG_LYSC	120	0.31838	1.432698	0.021212	0.097153	1
LIAN_LIPA_	51	0.361458	1.431679	0.034146	0.097744	1
MCMURRA	25	0.425188	1.430415	0.065141	0.098465	1
REACTOME	15	0.509811	1.429826	0.084838	0.098733	1
BIOCARTA_	15	0.497255	1.429778	0.074266	0.09864	1
BARIS_THY	52	0.36663	1.428503	0.050489	0.099372	1
OUYANG_F	18	0.470529	1.427609	0.079646	0.099856	1
REACTOME	27	0.425627	1.427233	0.054237	0.099991	1
KEGG_MTC	51	0.368083	1.427032	0.034483	0.1	1
IIZUKA_LIV	20	0.450993	1.426359	0.06518	0.100345	1
FINAK_BRE	25	0.432091	1.426308	0.071553	0.100262	1
SENESE_HC	492	0.269456	1.425082	0.001284	0.100992	1
YAO_HOXA	16	0.493397	1.423686	0.082585	0.101861	1
REACTOME	15	0.502884	1.423566	0.091743	0.101836	1
BOGNI_TRI	28	0.41379	1.422916	0.058929	0.102158	1
CHEOK_RE!	22	0.455763	1.422493	0.087931	0.102316	1
FARMER_B	319	0.276646	1.420638	0.004144	0.103491	1
FLECHNER_	85	0.327851	1.420453	0.022117	0.103492	1
HASLINGER	18	0.478576	1.419692	0.058824	0.103898	1
KEGG_CHR	71	0.339692	1.418715	0.03268	0.104518	1
MCGARVEY	42	0.379458	1.417545	0.054517	0.105175	1
REACTOME	23	0.441633	1.417017	0.072727	0.105445	1
JI_RESPON!	53	0.358266	1.416597	0.036007	0.105601	1
YAMASHIT/	74	0.339127	1.41591	0.039823	0.105995	1
HAHTOLA_	27	0.425937	1.41559	0.07309	0.106069	1
BIOCARTA_	18	0.472103	1.413886	0.079038	0.107246	1
GOLUB_ALI	17	0.47176	1.411863	0.098616	0.108656	1
LANDIS_ER	128	0.309044	1.411659	0.019345	0.108691	1
SESTO_RES	46	0.375663	1.411594	0.060656	0.108603	1
LEE_DOUBI	18	0.470076	1.411401	0.076661	0.108621	1
WINTER_H	88	0.331003	1.411374	0.026154	0.108516	1
RIZKI_TUM	54	0.356593	1.411116	0.04085	0.108553	1

NAKAJIMA_	30	0.408257	1.40907	0.073826	0.110014	1
BAELDE_DI	30	0.411267	1.408998	0.07109	0.109929	1
WEST_ADR	23	0.435801	1.408789	0.064145	0.10996	1
BOYALT_I	17	0.466516	1.408109	0.101968	0.110368	1
BONOME_I	224	0.285935	1.407971	0.007153	0.11032	1
SCIBETTA_I	17	0.488215	1.407316	0.074576	0.110644	1
REACTOME	29	0.412107	1.406793	0.060345	0.110866	1
WANG_LM	339	0.274471	1.405556	0.004087	0.111689	1
KOKKINAKI	68	0.347289	1.404854	0.039746	0.112104	1
BEIER_GLIC	60	0.352949	1.403781	0.039409	0.112807	1
SABATES_C	275	0.279411	1.403243	0.01087	0.11312	1
WANG_ESC	79	0.334105	1.403048	0.042925	0.113136	1
REACTOME	93	0.328859	1.403018	0.035874	0.11303	1
OSADA_AS	45	0.369826	1.402994	0.060163	0.112911	1
KEGG_TRYI	37	0.391757	1.402767	0.061258	0.112958	1
KANG_DOX	19	0.463732	1.401957	0.09596	0.113399	1
CHOW_RA	29	0.416447	1.401393	0.068421	0.113676	1
MOROSETT	20	0.448159	1.399962	0.094812	0.114629	1
MELLMAN_	19	0.458063	1.398827	0.09375	0.115426	1
CHIANG_LI	20	0.455836	1.398499	0.1	0.11555	1
BIOCARTA_	20	0.46268	1.398195	0.084691	0.115647	1
VALK_AML	27	0.415837	1.397627	0.068143	0.115984	1
DIRMEIER_	47	0.364137	1.397605	0.039088	0.115863	1
NEWMAN_	35	0.395557	1.396805	0.071057	0.11638	1
KEGG_GLY	22	0.435036	1.396108	0.080342	0.116811	1
IGARASHI_	82	0.329047	1.39554	0.033123	0.117143	1
ST_DIFFER	42	0.379532	1.394212	0.073826	0.118019	1
RIZ_ERYTH	39	0.379563	1.392336	0.075	0.119484	1
POOLA_INV	130	0.308449	1.391799	0.023774	0.119784	1
LEE_LIVER_	55	0.360487	1.391705	0.056075	0.119717	1
ST_GAQ_P	26	0.419547	1.391173	0.094118	0.119997	1
MARTINEZ_	42	0.376146	1.390101	0.049658	0.120732	1
BONOME_I	480	0.263089	1.390063	0.001263	0.120619	1
PASQUALU	254	0.279057	1.389714	0.008451	0.120765	1

COWLING_	42	0.374515	1.388807	0.065916	0.121352	1
MURAKAM	20	0.449279	1.388528	0.094527	0.12145	1
UEDA_PERI	143	0.303331	1.386393	0.031532	0.1231	1
AMIT_EGF_	42	0.365407	1.386233	0.067114	0.123109	1
ST_JNK_M/	38	0.387268	1.384324	0.077572	0.124574	1
WAMUNYC	176	0.290882	1.384283	0.017493	0.124471	1
BIOCARTA_	23	0.426711	1.383441	0.10052	0.125025	1
LUI_THYRC	45	0.36436	1.382552	0.056027	0.125566	1
HOSHIDA_I	258	0.274368	1.382514	0.013736	0.125439	1
STEARMAN	110	0.312511	1.382468	0.034125	0.125325	1
BLALOCK_#	379	0.2676	1.380181	0.002642	0.127116	1
WU_HBX_1	21	0.439005	1.380081	0.079038	0.127043	1
KUMAR_TA	362	0.266642	1.380014	0.009296	0.126963	1
EBAUER_M	50	0.36363	1.379779	0.070261	0.126982	1
KENNY_CTI	43	0.366609	1.37961	0.076087	0.126976	1
YAGI_AML_	187	0.285754	1.37904	0.022504	0.127304	1
CHUANG_C	28	0.41024	1.37879	0.092383	0.127362	1
RODRIGUE:	478	0.259973	1.378418	0.002528	0.12753	1
REACTOME	180	0.285757	1.377928	0.026239	0.127826	1
LIAN_LIPA_	64	0.343971	1.377154	0.060855	0.128349	1
HADDAD_E	271	0.276064	1.373289	0.005533	0.131409	1
VANTVEER_	31	0.397252	1.373268	0.089041	0.131278	1
VALK_AML_	27	0.413439	1.373108	0.073084	0.13126	1
REACTOME	18	0.446891	1.373062	0.098446	0.131155	1
REACTOME	58	0.342189	1.372789	0.056385	0.131257	1
SHAFFER_II	76	0.32826	1.371906	0.0375	0.131852	1
LEE_LIVER_	59	0.347023	1.371346	0.070513	0.132193	1
BROWNE_I	39	0.377774	1.368443	0.077686	0.134598	1
HELLER_HC	384	0.264333	1.367129	0.007843	0.135661	1
BIOCARTA_	23	0.419616	1.366762	0.073883	0.135847	1
LENAOUR_	100	0.317117	1.366537	0.037994	0.135898	1
KEGG_RETI	52	0.354499	1.365436	0.063622	0.136737	1
OUYANG_F	18	0.452103	1.365302	0.112676	0.136699	1
MULLIGHA	229	0.278555	1.364968	0.013643	0.136855	1

WILCOX_PI	57	0.346898	1.364162	0.078493	0.137437	1
REACTOME	23	0.431764	1.363603	0.08642	0.137794	1
KEGG_AUT	44	0.365229	1.363523	0.081833	0.1377	1
MARTINEZ_	472	0.256803	1.362234	0.001312	0.138654	1
KEGG_GNR	98	0.310266	1.361721	0.040248	0.138982	1
RICKMAN_	83	0.32231	1.361196	0.060748	0.13935	1
NOJIMA_SF	30	0.398886	1.359391	0.095406	0.1409	1
SCHWAB_T	16	0.471311	1.35915	0.12	0.14097	1
RODRIGUE:	33	0.392527	1.359145	0.098639	0.140814	1
TONKS_TAI	51	0.354091	1.35668	0.065217	0.142898	1
CAIRO_HEF	264	0.273449	1.356431	0.016349	0.14294	1
BOYLAN_M	52	0.349108	1.35599	0.066667	0.143163	1
SCHWAB_T	16	0.471311	1.354658	0.120219	0.144214	1
BOYALT_I	15	0.467241	1.35415	0.13369	0.14449	1
HOLLMAN_	249	0.275761	1.351945	0.018414	0.146536	1
KEGG_NICC	24	0.412864	1.351839	0.104895	0.146488	1
SCIAN_INV	28	0.398598	1.351669	0.089655	0.146514	1
REACTOME	61	0.337854	1.351558	0.057234	0.146503	1
KEGG_INTE	42	0.364034	1.350531	0.076547	0.147273	1
IVANOVA_I	125	0.294214	1.350186	0.031437	0.147464	1
NAKAMUR,	40	0.364616	1.34897	0.070724	0.148503	1
LEE_EARLY	42	0.365927	1.347848	0.090047	0.149362	1
COATES_M	68	0.328589	1.346995	0.053659	0.150071	1
JAATINEN_	213	0.273485	1.346417	0.027285	0.150458	1
WANG_BAI	24	0.417295	1.345839	0.096661	0.15089	1
REACTOME	20	0.441277	1.345535	0.110535	0.150997	1
LIU_BREAS	15	0.474012	1.342761	0.12766	0.153625	1
KIM_WT1_	118	0.29715	1.34264	0.039695	0.153584	1
REACTOME	54	0.34726	1.342477	0.069355	0.153596	1
ST_GRANU	25	0.409899	1.339913	0.115385	0.155932	1
KEGG_ETHI	31	0.380441	1.339251	0.110535	0.156438	1
GARY_CD5	447	0.255512	1.33894	0.003797	0.156562	1
KEGG_END	50	0.349515	1.338559	0.078905	0.156744	1
SATO_SILEI	45	0.353929	1.338149	0.076539	0.156982	1

NAKAMUR,	40	0.363778	1.337512	0.076539	0.157465	1
SAMOLS_T,	57	0.338938	1.337086	0.07815	0.157695	1
WANG_SM	327	0.260585	1.336611	0.01178	0.158009	1
ROYLANCE_	16	0.472971	1.33582	0.119298	0.158577	1
CROONQUI	81	0.318785	1.335307	0.065421	0.158916	1
THEILGAAR	212	0.273938	1.335291	0.02809	0.158759	1
REACTOME	27	0.394624	1.334995	0.100334	0.158868	1
TSENG_AD	26	0.400347	1.334839	0.103873	0.158869	1
KEGG_GAL	25	0.410367	1.334549	0.115385	0.158976	1
SMID_BRE/	134	0.289977	1.333824	0.045524	0.159492	1
REACTOME	29	0.399228	1.333392	0.095318	0.159768	1
NAKAYAM/	78	0.316719	1.331596	0.059011	0.161404	1
KEGG_NEU	126	0.294308	1.330106	0.04142	0.16275	1
GRABARCZ	52	0.34024	1.329185	0.102479	0.163479	1
SILIGAN_T/	15	0.468967	1.328034	0.150808	0.16447	1
AMIT_EGF_	43	0.359406	1.327452	0.095552	0.164871	1
BIOCARTA_	21	0.422764	1.327166	0.123264	0.164984	1
OSMAN_BI	375	0.255476	1.327122	0.009126	0.164852	1
REACTOME	22	0.406922	1.324831	0.107452	0.167058	1
KYNG_DNA	100	0.30215	1.324535	0.056962	0.167204	1
BIOCARTA_	18	0.433769	1.323929	0.116928	0.167672	1
KEGG_VAS	111	0.294009	1.320842	0.054878	0.170947	1
SHEPARD_I	140	0.286598	1.32031	0.046043	0.171332	1
IVANOVA_I	77	0.311384	1.319477	0.072981	0.172018	1
ST_ADRENI	34	0.370847	1.319195	0.112416	0.172139	1
ABE_VEGF/	20	0.422941	1.318055	0.13036	0.173212	1
DUNNE_TA	44	0.358029	1.316166	0.105785	0.175146	1
CHNG_MU	49	0.347045	1.314745	0.111486	0.176482	1
COULOUAF	115	0.292573	1.314291	0.050691	0.176794	1
BIOCARTA_	21	0.420273	1.314145	0.125217	0.176783	1
TIEN_INTES	85	0.305868	1.313716	0.076555	0.177095	1
HOFMANN	17	0.449029	1.312337	0.14032	0.178434	1
SAKAI_CHR	78	0.310641	1.311469	0.076246	0.179144	1
BIOCARTA_	22	0.418764	1.310218	0.140138	0.180335	1

SILIGAN_BK	36	0.369127	1.309727	0.11147	0.18071	1
HOFMANN	35	0.369692	1.309353	0.121795	0.180968	1
SCHAVOLT_	16	0.447941	1.308329	0.134168	0.181931	1
REACTOME	31	0.383061	1.307547	0.122241	0.182663	1
ACEVEDO_	125	0.286715	1.307484	0.049034	0.182546	1
ZHAN_MUI	37	0.36037	1.307276	0.105442	0.182591	1
TIEN_INTE	24	0.404733	1.307042	0.153448	0.18265	1
CHEN_HOX	214	0.266208	1.306913	0.040057	0.182616	1
HEIDENBLA	21	0.425209	1.306609	0.146259	0.182741	1
TIEN_INTE	157	0.2787	1.305864	0.048571	0.183419	1
PACHER_T/	33	0.380425	1.305058	0.131313	0.184182	1
BIOCARTA_	17	0.444591	1.304975	0.119565	0.184088	1
PROVENZA	133	0.285953	1.304239	0.045455	0.184708	1
MARKEY_R	108	0.295422	1.303819	0.066768	0.185034	1
REACTOME	63	0.321608	1.303757	0.086817	0.184913	1
NING_CHR	73	0.312933	1.303587	0.088853	0.184919	1
REACTOME	106	0.293018	1.303184	0.072289	0.185188	1
WEBER_MI	18	0.437675	1.303108	0.147826	0.185093	1
WEBER_MI	22	0.40815	1.301962	0.12709	0.186193	1
ZHONG_RE	176	0.273625	1.301243	0.047076	0.186865	1
WELCSH_B	167	0.275324	1.300298	0.039381	0.187722	1
REACTOME	25	0.400397	1.300247	0.127469	0.187595	1
MASRI_RES	18	0.425163	1.299264	0.129252	0.188481	1
BREDEMEY	53	0.337793	1.298785	0.09164	0.188847	1
ROY_WOU	22	0.414697	1.297649	0.137868	0.190026	1
RIZKI_TUM	186	0.27002	1.297611	0.038516	0.189869	1
KEGG_GLY	75	0.304864	1.296766	0.086751	0.190689	1
ALCALAY_A	138	0.282501	1.296589	0.051908	0.190699	1
ST_T_CELL	42	0.349861	1.296496	0.121163	0.190611	1
REACTOME	68	0.319656	1.296411	0.092767	0.190514	1
SENESE_HC	235	0.262943	1.296369	0.034384	0.190377	1
ZHAN_MUI	79	0.306471	1.295961	0.09539	0.190621	1
KEGG_NON	52	0.333388	1.295484	0.101329	0.190949	1
MACLACHL	17	0.439642	1.294264	0.148973	0.192193	1

BIOCARTA_	36	0.366731	1.293905	0.129693	0.192407	1
BIOCARTA_	15	0.441371	1.292865	0.152015	0.193404	1
AMUNDSO	17	0.431356	1.292643	0.149091	0.193447	1
HOFFMANI	36	0.359259	1.291415	0.133672	0.194703	1
LINDGREN_	114	0.290087	1.291357	0.051128	0.194578	1
IWANAGA_	296	0.255609	1.28993	0.020979	0.196109	1
REACTOME	15	0.449433	1.289692	0.141623	0.19619	1
GINESTIER_	64	0.316392	1.289565	0.099844	0.196153	1
BIOCARTA_	22	0.402204	1.288906	0.137391	0.196701	1
REACTOME	16	0.437786	1.286208	0.158645	0.199804	1
FAELT_B_C	47	0.334535	1.286023	0.115	0.199823	1
HOOI_ST7_	104	0.294011	1.285478	0.069124	0.200301	1
WANG_CLI	164	0.271114	1.284491	0.054572	0.201342	1
REACTOME	25	0.389321	1.284432	0.158163	0.201212	1
REACTOME	126	0.284841	1.284342	0.07571	0.201119	1
URS_ADIPC	30	0.374194	1.284309	0.154839	0.20096	1
HOSHIDA_I	52	0.332875	1.284302	0.1198	0.20077	1
BIOCARTA_	25	0.384761	1.283811	0.136602	0.201193	1
PARENT_M	43	0.348961	1.283371	0.11794	0.201565	1
ZHAN_MUI	44	0.344671	1.283273	0.104132	0.201467	1
TAVAZOIE_	100	0.292215	1.282244	0.078195	0.202494	1
KEGG_ALLC	31	0.371032	1.282036	0.142857	0.202537	1
SATO_SILEI	46	0.336684	1.281882	0.136364	0.202536	1
BROWNE_I	98	0.293011	1.281618	0.091047	0.202673	1
IVANOVA_I	95	0.298245	1.28106	0.095238	0.203171	1
DEURIG_T_	346	0.250304	1.28055	0.020548	0.203616	1
REACTOME	222	0.261821	1.280079	0.04578	0.204017	1
BIOCARTA_	22	0.397482	1.280068	0.16129	0.203827	1
ABRAHAM_	18	0.425354	1.279442	0.161512	0.20443	1
NADERI_BF	17	0.43491	1.278618	0.14795	0.205245	1
RICKMAN_	44	0.343652	1.2784	0.115843	0.205345	1
SWEET_KR,	43	0.339284	1.278355	0.133443	0.205206	1
RODWELL_	103	0.290933	1.278218	0.082111	0.205169	1
KEGG_ANT	74	0.306542	1.278175	0.099349	0.205013	1

LIEN_BREA	107	0.287435	1.275159	0.076443	0.208671	1
REACTOME	167	0.269718	1.274189	0.062222	0.209676	1
SMID_BRE/	21	0.401375	1.274025	0.15544	0.2097	1
PASQUALU	143	0.280302	1.27395	0.074671	0.20957	1
KEGG_TIGF	131	0.280061	1.273698	0.070149	0.209703	1
SMID_BRE/	38	0.346455	1.273169	0.133013	0.21023	1
DAZARD_R	255	0.256426	1.273158	0.041551	0.210036	1
VALK_AML	31	0.366223	1.272773	0.158756	0.210386	1
BYSTRYKH_	115	0.285247	1.272665	0.077037	0.210309	1
NIKOLSKY_	20	0.414659	1.272534	0.176776	0.210248	1
BIOCARTA_	84	0.296491	1.27253	0.110606	0.210047	1
LANDIS_BR	41	0.344872	1.272282	0.140962	0.210139	1
BREDEMEY	44	0.337473	1.272159	0.133556	0.210097	1
KAAB_FAIL	138	0.273535	1.271342	0.073463	0.210924	1
VARELA_ZM	36	0.351558	1.271112	0.146597	0.211005	1
KEGG_TGF_	84	0.300748	1.270954	0.105344	0.211015	1
WAMUNYC	128	0.281621	1.270005	0.069486	0.212015	1
WEIGEL_O:	30	0.382922	1.269429	0.152941	0.212535	1
WATANABI	86	0.300849	1.268331	0.099057	0.213759	1
WEIGEL_O:	35	0.358504	1.267382	0.127419	0.214787	1
GENTILE_U	28	0.378339	1.267263	0.144538	0.214725	1
KERLEY_RE	39	0.349236	1.267105	0.151771	0.214684	1
WILLERT_V	17	0.438729	1.266298	0.191489	0.215502	1
VALK_AML	29	0.372162	1.266222	0.167488	0.215382	1
POTTI_CYT	32	0.36211	1.265336	0.159734	0.216335	1
DELYS_THY	209	0.260193	1.265278	0.042735	0.216224	1
KAYO_CALC	69	0.308619	1.264251	0.098131	0.217402	1
JAZAG_TGF	63	0.315476	1.263144	0.124161	0.218583	1
FALVELLA_:	63	0.315535	1.263018	0.121951	0.218527	1
REACTOME	15	0.439153	1.262542	0.16179	0.218978	1
BIOCARTA_	25	0.384035	1.262031	0.157439	0.219461	1
CORRE_ML	59	0.312156	1.259878	0.118616	0.222105	1
REACTOME	27	0.37618	1.258096	0.165247	0.224248	1
OSMAN_BI	360	0.244164	1.25791	0.028683	0.224284	1

SMID_BRE/	84	0.29601	1.25784	0.107477	0.224163	1
RASHI_RES	130	0.275254	1.257623	0.089666	0.224217	1
WAGNER_/	23	0.399145	1.256513	0.156928	0.225539	1
BIOCARTA_	35	0.351571	1.256471	0.1504	0.225371	1
GENTILE_U	17	0.425677	1.256126	0.18887	0.225641	1
LEE_LIVER_	50	0.325239	1.256124	0.136725	0.22543	1
SEMENZA_	33	0.360304	1.255221	0.152824	0.226387	1
CHANG_PC	15	0.437118	1.255043	0.17094	0.226408	1
SHEPARD_(	139	0.271138	1.254419	0.079755	0.227073	1
NAGASHIM	52	0.325462	1.252244	0.129485	0.229717	1
MURAKAM	28	0.371146	1.252127	0.137521	0.229666	1
MARKS_HC	20	0.404251	1.251522	0.181973	0.230258	1
TURASHVIL	59	0.317619	1.25149	0.136585	0.230086	1
SASAKI_AD	136	0.271783	1.251211	0.078056	0.230229	1
MULLIGHA	367	0.241963	1.251187	0.032215	0.230042	1
BROWNE_†	56	0.319438	1.251052	0.131229	0.230002	1
GALE_APL_	17	0.423368	1.251048	0.178634	0.229792	1
VALK_AML	21	0.39691	1.249937	0.169408	0.231059	1
WALLACE_]	75	0.301296	1.249479	0.118196	0.231491	1
BIOCARTA_	26	0.373018	1.248708	0.170284	0.232343	1
AMUNDSO	16	0.419179	1.248215	0.178571	0.232812	1
ENK_UV_R	469	0.234915	1.247996	0.026786	0.232879	1
WNT_SIGN	87	0.295468	1.247401	0.114332	0.233483	1
MCBRYAN_	171	0.26336	1.246402	0.069869	0.234686	1
WU_HBX_†	16	0.424874	1.245809	0.19469	0.23528	1
MOREAUX_	354	0.242614	1.245735	0.040897	0.23516	1
LI_AMPLIFI	160	0.265448	1.245332	0.087209	0.235481	1
STEIN_ESRI	101	0.285085	1.24503	0.106481	0.235671	1
WEBER_MI	30	0.371688	1.244661	0.158261	0.235989	1
ASTON_M/	152	0.270567	1.244579	0.079595	0.235885	1
REACTOME	85	0.292232	1.241918	0.118902	0.23942	1
GENTILE_U	17	0.425677	1.240867	0.191756	0.24068	1
RODWELL_	118	0.275551	1.240835	0.098485	0.240497	1
CHIARETTI_	65	0.305711	1.239806	0.14003	0.24171	1

TURASHVIL	43	0.337078	1.239729	0.143351	0.241585	1
IIZUKA_LIV	23	0.379879	1.238712	0.193772	0.242784	1
COLIN_PILC	34	0.351106	1.23841	0.158348	0.243043	1
ROSS_ACU	79	0.296528	1.237755	0.136	0.243709	1
YAO_TEMP	74	0.296921	1.237168	0.127925	0.244299	1
MORI_PLA	36	0.347797	1.236972	0.152397	0.244373	1
BONOME_I	30	0.356154	1.236831	0.183391	0.244337	1
CHIANG_LI	151	0.264295	1.236346	0.091317	0.244795	1
DAZARD_U	37	0.348019	1.235737	0.169872	0.245454	1
REACTOME	15	0.429967	1.234929	0.217153	0.246309	1
KEGG_B_CI	75	0.298997	1.233811	0.123867	0.247665	1
SAKAI_TUN	27	0.366394	1.233538	0.178808	0.247846	1
MARTORIA	88	0.286924	1.233373	0.124807	0.24786	1
STEARMAN	54	0.318772	1.233344	0.168285	0.24768	1
BERENJENC	18	0.415245	1.232699	0.196396	0.248357	1
BROWNE_I	211	0.251561	1.231886	0.078014	0.249288	1
REACTOME	93	0.280941	1.229745	0.138249	0.252196	1
TCGA_GLIC	67	0.304805	1.229572	0.146774	0.252214	1
KEGG_PPA	67	0.304013	1.228969	0.147152	0.252824	1
ZHANG_PR	47	0.324989	1.228123	0.161859	0.253886	1
WEST_ADR	20	0.394882	1.228026	0.210526	0.253794	1
REACTOME	48	0.31898	1.227445	0.151858	0.254463	1
VANTVEER	44	0.327412	1.227271	0.169967	0.254475	1
KEGG_UBIC	133	0.268125	1.226197	0.118421	0.255787	1
NAKAMUR	21	0.39541	1.22489	0.210069	0.257524	1
REACTOME	16	0.415664	1.224869	0.204319	0.257333	1
KEGG_MAF	263	0.246405	1.22463	0.07619	0.257463	1
YOSHIOKA	54	0.312191	1.224198	0.145455	0.257899	1
KEGG_CAL	175	0.25834	1.224042	0.082517	0.25789	1
ACEVEDO	265	0.243998	1.223826	0.077029	0.257992	1
CREIGHTON	283	0.242436	1.223786	0.067476	0.257835	1
HAHTOLA	37	0.344501	1.223439	0.183775	0.258148	1
BIOCARTA	24	0.379305	1.22281	0.207705	0.25881	1
KEGG_NEU	262	0.246041	1.222737	0.065129	0.258717	1

KEGG_LEUI	115	0.271818	1.222624	0.13099	0.258644	1
KEGG_PRO	85	0.288099	1.222319	0.1264	0.258879	1
MCCABE_H	29	0.362722	1.221193	0.190317	0.260356	1
VALK_AML	25	0.370779	1.220546	0.210351	0.261071	1
ZIRN_TRET	18	0.412346	1.220323	0.189853	0.261199	1
BIOCARTA_	16	0.419529	1.220259	0.206349	0.261059	1
BECKER_TA	48	0.321549	1.220067	0.16748	0.261107	1
TURASHVIL	20	0.386283	1.219249	0.21466	0.262045	1
GARGALOV	33	0.341058	1.21909	0.186869	0.262076	1
CAMPS_CC	54	0.31097	1.218618	0.13245	0.262543	1
BARRIER_C	42	0.324867	1.217474	0.163934	0.264047	1
REACTOME	30	0.358146	1.216872	0.217755	0.264715	1
BREUHAHN	15	0.425334	1.216731	0.22813	0.264685	1
BIOCARTA_	15	0.429381	1.216671	0.212174	0.264553	1
MULLIGHA	399	0.234267	1.215808	0.051348	0.265649	1
LUND_SILE	16	0.415579	1.215674	0.208621	0.265631	1
REACTOME	22	0.396221	1.215382	0.19573	0.265815	1
VALK_AML	33	0.341954	1.214716	0.192053	0.266615	1
KEGG_MEL	100	0.276289	1.213762	0.122449	0.267863	1
MOREAUX_	69	0.299747	1.21376	0.160256	0.267628	1
XU_CREBBI	37	0.336672	1.213658	0.183007	0.267533	1
BIOCARTA_	23	0.373805	1.213391	0.205782	0.267706	1
LANDIS_ER	15	0.421168	1.212778	0.214162	0.268404	1
TONKS_TAI	15	0.42943	1.212149	0.206093	0.269129	1
BIOCARTA_	21	0.384779	1.210636	0.210145	0.271238	1
KEGG_P53_	67	0.297576	1.210394	0.15949	0.27134	1
ALONSO_M	16	0.421201	1.210153	0.215986	0.271463	1
KEGG_LINC	26	0.364126	1.209998	0.191489	0.271443	1
TURASHVIL	69	0.290976	1.20937	0.165605	0.272178	1
CADWELL_	55	0.309066	1.208893	0.175896	0.272648	1
BIOCARTA_	18	0.405764	1.208032	0.229642	0.27371	1
BIOCARTA_	17	0.406421	1.207666	0.218472	0.274002	1
BIOCARTA_	32	0.339968	1.206486	0.22164	0.275621	1
HAMAI_AP	327	0.235734	1.205837	0.079195	0.276355	1

MCCABE_H	20	0.388733	1.205605	0.20742	0.276479	1
ALCALA_AF	86	0.279913	1.205004	0.141966	0.277155	1
LOPES_ME	22	0.383976	1.203224	0.233857	0.279628	1
BIOCARTA_	16	0.410399	1.20305	0.219799	0.279676	1
MULLIGHA	158	0.258343	1.202661	0.10847	0.280062	1
SETLUR_PR	59	0.30712	1.201218	0.186885	0.282093	1
HSIAO_HOI	374	0.232403	1.200377	0.069987	0.283188	1
HSIAO_LIVI	230	0.243211	1.199386	0.105339	0.28448	1
REACTOME	35	0.339244	1.198563	0.196891	0.285555	1
BIOCARTA_	56	0.305462	1.196797	0.190779	0.288038	1
IVANOVA_I	199	0.248701	1.196301	0.117733	0.288587	1
KEGG_HED	56	0.297577	1.19533	0.180272	0.289869	1
MULLIGHA	268	0.239291	1.19526	0.11236	0.289708	1
MMS_MOL	32	0.340129	1.195193	0.198165	0.289551	1
FONTAINE_	62	0.29908	1.193232	0.179775	0.292473	1
KLEIN_TAR	31	0.346452	1.1902	0.219835	0.297164	1
MARTORIA	96	0.271181	1.189781	0.161919	0.297577	1
CREIGHTON	492	0.223965	1.189704	0.060226	0.297473	1
REACTOME	47	0.318305	1.189397	0.191987	0.297736	1
REACTOME	44	0.320052	1.189308	0.2	0.297626	1
ICHIBA_GR	39	0.324418	1.188441	0.217317	0.298828	1
CLIMENT_E	21	0.383745	1.18825	0.242321	0.298891	1
DAZARD_R	93	0.273853	1.188014	0.168254	0.299012	1
RAMALHO_	68	0.293111	1.186687	0.180354	0.300892	1
SWEET_KR	25	0.366854	1.184856	0.22877	0.303587	1
ZHAN_MUI	43	0.317495	1.184596	0.212903	0.303726	1
GARGALOV	27	0.355944	1.183837	0.23127	0.304706	1
BORCZUK_	95	0.272003	1.182083	0.173776	0.307329	1
WOO_LIVE	80	0.277814	1.181271	0.171157	0.308393	1
WANG_BAI	43	0.316069	1.181191	0.204319	0.308265	1
MORI_LARI	44	0.318048	1.18083	0.207237	0.308612	1
PEPPER_CF	20	0.389014	1.18023	0.247878	0.309362	1
BIOCARTA_	15	0.413818	1.180093	0.254516	0.309326	1
HAHTOLA_	95	0.269556	1.180064	0.165152	0.309121	1

KEGG_ALDI	41	0.321262	1.179785	0.231419	0.309312	1
KEGG_TYPI	36	0.324772	1.1797	0.222756	0.309199	1
CHARAFE_I	429	0.224277	1.177431	0.086957	0.312598	1
REACTOME	18	0.390747	1.176632	0.25945	0.313671	1
DOANE_BR	107	0.265147	1.1765	0.155864	0.313638	1
YANG_BRE	18	0.386619	1.175347	0.231579	0.315318	1
MCCABE_B	428	0.226422	1.175064	0.089494	0.315553	1
MARCHINI	19	0.38095	1.174646	0.238261	0.315994	1
BOYALT_I	39	0.326434	1.173994	0.23339	0.316844	1
REACTOME	30	0.348318	1.173806	0.247892	0.316922	1
BIOCARTA	24	0.359337	1.172543	0.236975	0.318758	1
BOYALT_I	61	0.294664	1.172169	0.193603	0.319193	1
BIOCARTA	18	0.393101	1.171492	0.246504	0.32007	1
CHEN_HOX	41	0.318373	1.171036	0.232323	0.320617	1
WILENSKY	24	0.362423	1.170551	0.24055	0.321224	1
BIDUS_ME	147	0.25125	1.170159	0.167155	0.321643	1
KEGG_ASTI	25	0.349727	1.169939	0.224779	0.321743	1
BIOCARTA	20	0.37708	1.168441	0.251318	0.324062	1
SOTIRIOU	46	0.310101	1.166649	0.227273	0.326812	1
KEGG_DRU	42	0.316496	1.166557	0.230132	0.326701	1
WIKMAN_I	27	0.344819	1.166134	0.248276	0.327137	1
RUIZ_TNC	137	0.252748	1.164051	0.171254	0.330428	1
ZHU_CMV	41	0.3179	1.16278	0.243902	0.332342	1
CROONQUI	33	0.335364	1.16244	0.257191	0.33267	1
KEGG_GLYC	15	0.402632	1.161217	0.252747	0.334593	1
IWANAGA	144	0.249839	1.160891	0.185552	0.334888	1
KEGG_SPHI	38	0.323147	1.160823	0.231579	0.334726	1
VALK_AML	35	0.321659	1.160584	0.255	0.334887	1
KEGG_GLYC	21	0.375822	1.159763	0.25394	0.336057	1
HAMAI_AP	123	0.254083	1.159571	0.176119	0.336124	1
GRUETZMA	192	0.241788	1.159056	0.158114	0.336797	1
AKL_HTLV1	27	0.347585	1.159049	0.253521	0.336534	1
POOLA_INV	273	0.230943	1.15891	0.13764	0.336491	1
DITTMER_F	71	0.280458	1.158867	0.216529	0.336285	1

KONDO_PF	194	0.24048	1.158682	0.16309	0.336311	1
MISHRA_C	21	0.370948	1.158132	0.273535	0.337017	1
WU_HBX_1	15	0.404419	1.158042	0.261905	0.33691	1
STEIN_ESRI	29	0.347136	1.157256	0.256623	0.338084	1
KEGG_LON	67	0.281874	1.157185	0.221509	0.337919	1
LANDEMAI	21	0.367442	1.156971	0.264055	0.338043	1
OHM_MET	26	0.350539	1.156739	0.259631	0.338184	1
CHIANG_LI	61	0.290058	1.156453	0.222756	0.338398	1
JAZAG_TGF	102	0.261016	1.15587	0.202552	0.339157	1
KEGG_GLYC	15	0.409174	1.155423	0.285714	0.339699	1
REACTOME	120	0.259281	1.155418	0.169565	0.339436	1
LI_LUNG_C	41	0.311152	1.153034	0.245315	0.343419	1
BROWNE_I	173	0.243661	1.152784	0.174487	0.343588	1
ZHAN_MUI	41	0.310464	1.150968	0.263339	0.346677	1
OUYANG_F	19	0.373767	1.150811	0.296501	0.346674	1
KOYAMA_S	291	0.227477	1.149814	0.137283	0.348219	1
DAIRKEE_C	25	0.341962	1.149464	0.258865	0.348567	1
TAYLOR_M	62	0.284094	1.149246	0.238562	0.348691	1
LEE_LIVER_	60	0.288791	1.149078	0.236395	0.348723	1
MORI_SMA	60	0.283855	1.149032	0.231125	0.348536	1
SHIPP_DLB	43	0.303666	1.14889	0.239617	0.348497	1
BROWNE_I	44	0.30749	1.148176	0.242928	0.349513	1
BREDEMEY	53	0.298438	1.144586	0.240204	0.355682	1
ROZANOV_	35	0.324397	1.144444	0.262458	0.355645	1
ST_GA13_F	35	0.321732	1.144154	0.259322	0.355877	1
ST_ERK1_E	29	0.336144	1.14319	0.267559	0.357422	1
LUI_THYRO	41	0.310177	1.142373	0.255354	0.358588	1
KEGG_T_CI	106	0.258644	1.141189	0.203733	0.360519	1
BIOCARTA_	38	0.311897	1.140598	0.280919	0.361286	1
GARGALOV	29	0.339791	1.14003	0.271758	0.362007	1
CHOI_ATL_	15	0.404286	1.13976	0.297872	0.362244	1
MUNSHI_M	54	0.294435	1.138184	0.2608	0.364889	1
DAVICIONI	67	0.281807	1.137744	0.259504	0.365436	1
HELLER_HC	261	0.228499	1.136146	0.181189	0.368074	1

DIRMEIER_	23	0.352808	1.13345	0.281619	0.372969	1
ABRAHAM_	23	0.360839	1.132769	0.295	0.373944	1
KEGG_RIG_	70	0.278996	1.132193	0.239683	0.374749	1
BIOCARTA_	24	0.354164	1.131758	0.290941	0.375264	1
SCHEIDERE	24	0.349271	1.131691	0.284722	0.375112	1
DITTMER_F	108	0.253489	1.131367	0.230159	0.375445	1
FONTAINE_	68	0.277011	1.13085	0.254747	0.376136	1
REACTOME	53	0.289576	1.12857	0.269044	0.380151	1
FLECHNER_	62	0.279031	1.128452	0.256866	0.380095	1
ALONSO_M	22	0.349261	1.128017	0.305115	0.380622	1
YAGI_AML_	334	0.219916	1.127786	0.179521	0.380782	1
GRESHOCK	325	0.219802	1.127631	0.170799	0.380752	1
BIOCARTA_	17	0.377776	1.127608	0.30648	0.380508	1
FERREIRA_	87	0.26125	1.127413	0.252322	0.380586	1
NIKOLSKY_	151	0.243147	1.127307	0.217968	0.380523	1
BROWNE_	143	0.245562	1.127122	0.210123	0.380603	1
NOUZOVA_	58	0.286593	1.126358	0.268371	0.381808	1
OUILLETTE	54	0.29251	1.124604	0.27787	0.384867	1
BIOCARTA_	38	0.313073	1.123982	0.281034	0.385766	1
ZHAN_MUI	61	0.284645	1.123338	0.2768	0.38671	1
NATSUME_	68	0.274289	1.122893	0.270764	0.387251	1
BENPORAT	99	0.259457	1.122695	0.239437	0.387294	1
KANNAN_T	16	0.384623	1.121848	0.308797	0.388658	1
ZHOU_INFI	355	0.216363	1.120954	0.166013	0.390136	1
REACTOME	149	0.241489	1.120846	0.22017	0.390014	1
BOYALT_I	51	0.289367	1.120812	0.279365	0.389774	1
KEGG_WN	149	0.243501	1.120616	0.22006	0.389863	1
BILD_MYC_	188	0.235678	1.11839	0.223547	0.393898	1
SU_PLACEN	24	0.344002	1.118245	0.299833	0.393857	1
VALK_AML_	33	0.316311	1.117847	0.286195	0.394278	1
GAZDA_DI/	444	0.214467	1.117404	0.177097	0.394817	1
CADWELL_	82	0.26446	1.116064	0.274143	0.397194	1
STREICHER	40	0.306055	1.115833	0.291246	0.397347	1
SA_TRKA_F	15	0.388641	1.11511	0.304196	0.398456	1

MCCLUNG_	88	0.259906	1.114659	0.258114	0.399016	1
WANG_LM	326	0.217442	1.113855	0.195739	0.400265	1
HOFMANN	41	0.301968	1.113611	0.293515	0.400425	1
DACOSTA_	75	0.270066	1.11357	0.276899	0.400202	1
WAMUNYC	60	0.277423	1.113185	0.274351	0.400653	1
FONTAINE_	63	0.27376	1.113007	0.259084	0.400702	1
REACTOME	208	0.226338	1.112959	0.220461	0.400474	1
LU_TUMOF	25	0.347005	1.112456	0.321492	0.401179	1
ZHOU_INFL	355	0.216363	1.111957	0.195622	0.401835	1
WANG_PRC	62	0.275525	1.111105	0.284375	0.40321	1
FINETTI_BF	18	0.370894	1.110247	0.304647	0.40464	1
CHIARADOI	113	0.255118	1.109456	0.276692	0.405859	1
ST_MYOCY	23	0.348407	1.109214	0.326821	0.406019	1
REACTOME	53	0.283927	1.108878	0.288676	0.406357	1
WAMUNYC	249	0.22203	1.106112	0.220816	0.411669	1
REACTOME	16	0.375886	1.105865	0.33677	0.411864	1
REACTOME	17	0.38203	1.105793	0.315884	0.411692	1
ALONSO_M	30	0.323206	1.105295	0.302721	0.412334	1
GOLDRATH	310	0.215219	1.105085	0.214774	0.41244	1
ST_B_CELL	39	0.300578	1.101858	0.303905	0.418633	1
CHNG_MU	27	0.326003	1.099592	0.33389	0.422991	1
BROWNE_I	222	0.22367	1.097925	0.247566	0.426028	1
BENPORAT	177	0.23102	1.097722	0.260553	0.426091	1
BIOCARTA_	15	0.376352	1.097695	0.341241	0.425817	1
REACTOME	23	0.345287	1.097626	0.308824	0.425634	1
VALK_AML	23	0.350651	1.096036	0.328231	0.428524	1
OUILLETTE	69	0.266345	1.095884	0.30303	0.428506	1
BIOCARTA_	19	0.360168	1.09581	0.322004	0.428335	1
SHIPP_DLB	44	0.294152	1.095446	0.297521	0.428749	1
CAIRO_LIVI	204	0.22562	1.095222	0.26383	0.428891	1
BIOCARTA_	44	0.289476	1.094289	0.311424	0.430389	1
BANDRES_I	25	0.335045	1.09281	0.341256	0.433121	1
KEGG_GLYC	26	0.324661	1.091669	0.327332	0.435149	1
REACTOME	24	0.334413	1.091114	0.341584	0.436011	1

GRESHOCK	312	0.21536	1.090751	0.227147	0.436402	1
FIRESTEIN_	159	0.232754	1.090101	0.26393	0.437416	1
VALK_AML	32	0.309033	1.089008	0.311367	0.439351	1
REACTOME	157	0.230505	1.08854	0.285088	0.440043	1
BIOCARTA_	22	0.341607	1.088248	0.316327	0.440313	1
MULLIGHA	122	0.242188	1.088039	0.286834	0.440407	1
KEGG_REG	206	0.224252	1.087361	0.287157	0.44152	1
SCHLESING	87	0.254187	1.087229	0.298137	0.441468	1
PAL_PRMT	27	0.326525	1.086955	0.315526	0.441725	1
KORKOLA_	31	0.311725	1.086501	0.332773	0.442333	1
SANA_RESF	79	0.258516	1.086101	0.280255	0.442806	1
BEGUM_TA	49	0.283169	1.085724	0.299669	0.443316	1
JIANG_HYP	57	0.273878	1.085537	0.315372	0.443363	1
LEE_TARGE	76	0.263179	1.08552	0.295752	0.443078	1
MCBRYAN_	118	0.241076	1.085329	0.282246	0.443136	1
TAKAO_RE	71	0.262654	1.084803	0.327014	0.443901	1
BOYLAN_M	28	0.317205	1.084674	0.332215	0.443847	1
DAVICIONI	56	0.279231	1.08452	0.318493	0.443835	1
SA_PTEN_F	16	0.371198	1.083829	0.352622	0.444931	1
TARTE_PLA	38	0.300329	1.083181	0.344768	0.44596	1
YAGI_AML	126	0.240481	1.082463	0.285501	0.447142	1
DAZARD_U	122	0.238139	1.081986	0.298063	0.447828	1
GENTILE_U	31	0.315446	1.081582	0.345299	0.448329	1
LEE_LIVER	59	0.270315	1.080618	0.327044	0.449959	1
MAHADEV	18	0.355216	1.080387	0.349091	0.450144	1
LANDIS_ER	51	0.275239	1.0803	0.323777	0.449987	1
VANTVEER	137	0.233603	1.080148	0.273932	0.449989	1
LIU_VMYB	122	0.237517	1.07948	0.300296	0.451101	1
KEGG_AMI	42	0.293224	1.079026	0.335034	0.451682	1
LU_TUMOF	29	0.314155	1.077321	0.333916	0.454909	1
MULLIGHA	319	0.210573	1.077018	0.280323	0.455175	1
JAEGER_M	43	0.289619	1.076928	0.333333	0.455006	1
YAO_HOXA	70	0.260609	1.075411	0.350413	0.458014	1
DELLA_RES	20	0.342863	1.074307	0.357522	0.459995	1

KEGG_POR	32	0.310562	1.074053	0.344715	0.460213	1
NATSUME_	47	0.281613	1.072496	0.342373	0.463182	1
KEGG_ADIF	67	0.260952	1.071966	0.345902	0.463943	1
STEIN_ESR:	82	0.250994	1.071494	0.345483	0.464645	1
CAIRO_LIVI	152	0.230227	1.071448	0.31339	0.464403	1
FLECHNER_	24	0.331949	1.07037	0.348214	0.466464	1
MILI_PSEU	39	0.297818	1.069065	0.338141	0.468812	1
HEIDENBLA	29	0.318379	1.067241	0.335582	0.472446	1
BIOCARTA_	19	0.355158	1.066921	0.382003	0.472815	1
YANAGIHAI	22	0.336177	1.06631	0.35506	0.473735	1
BYSTRYKH_	160	0.226492	1.06556	0.306902	0.475029	1
REACTOME	17	0.360486	1.064838	0.364437	0.476225	1
ICHIBA_GR	43	0.287831	1.063963	0.359143	0.477797	1
DOANE_RE	173	0.225173	1.063735	0.333333	0.477957	1
KEGG_REN.	68	0.264526	1.062832	0.355372	0.479574	1
REACTOME	15	0.36988	1.062687	0.377193	0.479558	1
HOFMANN	21	0.343251	1.062191	0.367857	0.480269	1
SU_THYML	20	0.347642	1.061927	0.38676	0.480496	1
CAFFAREL_	25	0.323513	1.060085	0.363328	0.484202	1
LU_TUMOF	22	0.34114	1.059669	0.380379	0.484782	1
REACTOME	28	0.315702	1.059427	0.380789	0.484961	1
ZHAN_MUI	50	0.276502	1.058985	0.362205	0.485616	1
REACTOME	59	0.264331	1.058396	0.363192	0.486526	1
REACTOME	25	0.325138	1.05815	0.374113	0.486707	1
GUTIERREZ	34	0.3037	1.057566	0.385382	0.487651	1
KEGG_ASC	17	0.360152	1.057535	0.387097	0.48736	1
VANHARAM	42	0.286331	1.057011	0.366612	0.488155	1
BASAKI_YB	280	0.210343	1.056362	0.313172	0.489267	1
BIOCARTA_	18	0.35719	1.056198	0.40395	0.489261	1
OUELLET_C	113	0.238944	1.05607	0.358521	0.489188	1
HAHTOLA_	111	0.23831	1.056007	0.334884	0.488976	1
CHEBOTAE'	68	0.254742	1.055386	0.348243	0.489894	1
FARMER_B	19	0.349866	1.055138	0.401372	0.49009	1
REACTOME	23	0.332231	1.054205	0.394295	0.49174	1

BIOCARTA_	26	0.322551	1.053738	0.382353	0.492374	1
LEE_META	41	0.285641	1.052652	0.383721	0.494406	1
BIOCARTA_	28	0.304495	1.05182	0.367973	0.495913	1
NAKAMUR	45	0.275348	1.050492	0.356452	0.498541	1
REACTOME	277	0.21011	1.049534	0.34069	0.500294	1
BARRIER_C	30	0.302631	1.049436	0.385643	0.500136	1
FLECHNER_	147	0.224869	1.048035	0.342688	0.50292	1
REACTOME	26	0.322355	1.047797	0.360485	0.503069	1
KEGG_MEL	69	0.255118	1.047573	0.385	0.50322	1
KEGG_COL	60	0.260705	1.046744	0.363636	0.504691	1
WATANABI	63	0.260842	1.046704	0.385382	0.504423	1
KUROKAW	17	0.347824	1.046429	0.388601	0.504699	1
BASSO_CD	64	0.261538	1.045799	0.373997	0.505764	1
CHIANG_LI	26	0.317033	1.045297	0.393238	0.506552	1
FONTAINE_	31	0.300911	1.044848	0.402377	0.507133	1
DOANE_RE	231	0.21257	1.04483	0.335277	0.506816	1
ZHANG_BR	132	0.229794	1.043726	0.343195	0.508881	1
LAMB_CCN	15	0.361097	1.043239	0.408772	0.509596	1
HOQUE_M	56	0.266263	1.042318	0.395	0.511342	1
KORKOLA_	40	0.280483	1.042305	0.383471	0.511019	1
FRASOR_T	47	0.275707	1.041305	0.394945	0.512928	1
KIM_WT1_	432	0.199111	1.041149	0.362809	0.512909	1
JISON_SICK	164	0.221029	1.040837	0.357143	0.513217	1
RAMALHO_	187	0.217313	1.040607	0.361151	0.513371	1
PARK_APL_	38	0.286744	1.039683	0.405	0.515	1
BOYLAN_M	37	0.290855	1.037601	0.392092	0.519311	1
STARK_PRE	170	0.218638	1.037443	0.358382	0.519289	1
KEGG_PEN	26	0.31604	1.036949	0.40894	0.520074	1
VANHARAN	63	0.256373	1.036452	0.396694	0.520826	1
LUI_THYRC	42	0.280108	1.035432	0.384095	0.522726	1
ACEVEDO_	162	0.21984	1.034779	0.37092	0.523836	1
GAL_LEUKE	234	0.209276	1.034036	0.372155	0.525137	1
WU_HBX_1	17	0.347197	1.033926	0.426471	0.525017	1
REACTOME	27	0.306368	1.033685	0.418033	0.525192	1

LUI_THYRC	25	0.311929	1.03328	0.412727	0.525698	1
HADDAD_T	63	0.25658	1.03309	0.399679	0.525733	1
THUM_SYS	206	0.211223	1.032566	0.382436	0.526542	1
KIM_MYC_	65	0.256778	1.031705	0.404605	0.528153	1
REACTOME	62	0.25452	1.031488	0.410494	0.5283	1
RASHI_RES	76	0.249189	1.03095	0.405145	0.52912	1
PEREZ_TP6	320	0.202216	1.030676	0.384717	0.529331	1
BIOCARTA_	20	0.335769	1.030611	0.4	0.529116	1
SESTO_RES	103	0.234779	1.030484	0.402941	0.529042	1
LEE_RECEN	99	0.233311	1.030002	0.381818	0.529748	1
KEGG_ALPI	17	0.348518	1.02998	0.415929	0.529445	1
KOKKINAKI	60	0.260564	1.029721	0.402191	0.529659	1
KEGG_GLYC	48	0.269014	1.029665	0.39531	0.529415	1
BROWNE_I	156	0.220188	1.028508	0.389381	0.531724	1
LIN_NPAS4	62	0.256662	1.028359	0.401274	0.53167	1
LANDIS_ER	20	0.329255	1.028276	0.411867	0.531475	1
HATADA_N	31	0.294496	1.027868	0.420099	0.531983	1
HINATA_NI	17	0.345687	1.027637	0.432574	0.532175	1
ZHAN_V2_I	33	0.29438	1.027587	0.424779	0.531933	1
GAZDA_DI/	23	0.3218	1.027319	0.436396	0.532161	1
KEGG_FC_I	77	0.245782	1.027288	0.410628	0.531854	1
GRADE_CO	73	0.248327	1.024859	0.407524	0.536906	1
SHAFFER_II	62	0.254657	1.022898	0.403624	0.540997	1
SAGIV_CD2	23	0.318768	1.022805	0.422003	0.540818	1
REACTOME	49	0.270671	1.022282	0.42691	0.541649	1
BIOCARTA_	15	0.357095	1.022017	0.40177	0.541906	1
KEGG_PEN	19	0.333869	1.021393	0.428571	0.542935	1
KEGG_TYPI	46	0.271029	1.020371	0.421488	0.544891	1
SU_PANCR	51	0.261725	1.020318	0.416268	0.544631	1
REACTOME	216	0.208696	1.020118	0.40085	0.544706	1
WOTTON_I	26	0.307885	1.01963	0.433735	0.545444	1
CHENG_RE	27	0.299658	1.019612	0.410935	0.545104	1
EBAUER_T/	46	0.268794	1.019546	0.411667	0.544882	1
GAUSSMAN	19	0.338442	1.018926	0.416813	0.545925	1

HOFMANN	21	0.324042	1.01852	0.409091	0.54648	1
DING_LUNG	20	0.324507	1.018351	0.453752	0.546469	1
BOGNI_TRE	24	0.318722	1.017197	0.427365	0.548662	1
KEGG_GLU	49	0.264709	1.016645	0.430921	0.549591	1
VARELA_ZN	33	0.295008	1.014831	0.44426	0.553209	1
GARGALOV	58	0.253693	1.014071	0.443163	0.5546	1
XU_CREBBI	24	0.312049	1.013921	0.428082	0.554579	1
KEGG_PRIM	34	0.286387	1.013038	0.445161	0.55618	1
REACTOME	18	0.334184	1.012808	0.433798	0.556295	1
BIOCARTA_	22	0.316607	1.011866	0.447602	0.558055	1
GRABARCZ	70	0.248266	1.011628	0.447712	0.558233	1
ROVERSI_G	79	0.236871	1.011558	0.398074	0.558012	1
SU_SALIVA	15	0.354312	1.011452	0.442478	0.557889	1
SMID_BRE/	93	0.232662	1.011308	0.44164	0.557859	1
KEGG_PYRI	40	0.272926	1.0109	0.437186	0.558427	1
WATANABI	26	0.305767	1.009986	0.453767	0.560191	1
BOYLAN_M	37	0.278496	1.009511	0.434122	0.560913	1
VALK_AML	28	0.298861	1.008744	0.434343	0.562219	1
REACTOME	431	0.190115	1.007941	0.427056	0.563656	1
REACTOME	21	0.317912	1.007665	0.448582	0.563891	1
BIOCARTA_	23	0.318966	1.007406	0.430769	0.564131	1
OUELLET_C	67	0.246541	1.007297	0.428571	0.564032	1
BIOCARTA_	41	0.269742	1.00641	0.459459	0.565631	1
YAGI_AML	349	0.197026	1.0054	0.439689	0.567621	1
VANHARAN	35	0.279774	1.005046	0.452769	0.568085	1
SIG_IL4REC	27	0.308697	1.005006	0.45975	0.567804	1
KEGG_VEG	73	0.241562	1.004887	0.450082	0.567697	1
BENPORAT	217	0.206883	1.004391	0.45706	0.56841	1
BENPORAT	288	0.19896	1.003605	0.449931	0.569842	1
KEGG_LON	69	0.244599	1.003508	0.4464	0.569676	1
IWANAGA_	107	0.225645	1.000711	0.460961	0.575599	1
AMIT_SERL	19	0.324876	1.000225	0.465157	0.576306	1
BIOCARTA_	23	0.303284	0.998808	0.45098	0.579151	1
ODONNELL	77	0.237455	0.996879	0.444109	0.5832	1

HAHTOLA_	24	0.307377	0.996457	0.451014	0.583813	1
FERNANDE	173	0.210984	0.995946	0.500728	0.584595	1
RIZKI_TUM	228	0.200968	0.995753	0.457971	0.58466	1
REACTOME	81	0.237386	0.995529	0.48336	0.584794	1
KEGG_ABC	43	0.269979	0.995008	0.433836	0.585634	1
ROSS_AML	75	0.241859	0.993796	0.459168	0.588095	1
MORI_SMA	60	0.250713	0.993164	0.475793	0.589172	1
KESHELAV	77	0.236188	0.992408	0.488525	0.59058	1
YAGI_AML	121	0.223483	0.992152	0.482496	0.590772	1
KEGG_CYT	54	0.25668	0.992004	0.482003	0.590737	1
REACTOME	166	0.207999	0.991282	0.468148	0.591973	1
NIKOLSKY_	127	0.218104	0.99049	0.47181	0.593368	1
RAMASWA	57	0.250423	0.989594	0.460237	0.595036	1
VALK_AML	27	0.297022	0.989099	0.480475	0.595787	1
MULLIGHA	127	0.217663	0.988479	0.490798	0.596819	1
HWANG_PI	28	0.291737	0.987661	0.464286	0.598364	1
GARGALOV	25	0.301556	0.987179	0.478849	0.599075	1
NIKOLSKY_	70	0.240051	0.986192	0.471407	0.600934	1
SIG_PIP3_S	33	0.278372	0.985703	0.458746	0.601707	1
LIANG_HEM	15	0.344719	0.98414	0.486207	0.604985	1
KEGG_SNA	38	0.273874	0.983966	0.499136	0.605016	1
BIOCARTA_	23	0.30634	0.98254	0.464883	0.608046	1
REACTOME	377	0.189123	0.980397	0.512821	0.612662	1
KORKOLA_	15	0.351537	0.979836	0.50613	0.613528	1
BOYALT_I	104	0.222177	0.979771	0.495298	0.613282	1
BROWNE_I	67	0.241377	0.979292	0.477049	0.614031	1
NUNODA_I	27	0.293	0.978691	0.497569	0.615051	1
REACTOME	37	0.274947	0.97776	0.511745	0.61677	1
ASTIER_INT	55	0.247145	0.977608	0.492891	0.616728	1
REACTOME	16	0.343155	0.977294	0.478417	0.617059	1
LINDGREN_	369	0.190483	0.976964	0.507246	0.61743	1
ZUCCHI_M	25	0.302579	0.975922	0.508651	0.619425	1
SWEET_KR	20	0.321161	0.975395	0.498227	0.620241	1
YAMASHIT	45	0.262773	0.975022	0.491776	0.620726	1

BIOCARTA_	21	0.309524	0.974804	0.493976	0.62083	1
SHEDDEN_	281	0.193231	0.974372	0.546575	0.621465	1
MOOTHA_	31	0.281193	0.973861	0.48552	0.622236	1
URS_ADIPC	59	0.248783	0.973365	0.497592	0.623011	1
SCIBETTA_I	77	0.232101	0.972785	0.516746	0.623899	1
DAVIES_MI	20	0.317046	0.972701	0.514681	0.623691	1
LUI_THYRO	40	0.263054	0.971395	0.475	0.626341	1
WATANABI	97	0.222104	0.971154	0.507716	0.626499	1
DAVICIONI_	64	0.242875	0.970472	0.506998	0.627612	1
ZHAN_MUI	29	0.2856	0.970278	0.524735	0.627669	1
KEGG_END	176	0.205492	0.969785	0.534207	0.628437	1
YU_MYC_T	43	0.260483	0.969744	0.491883	0.628127	1
HAHTOLA_	171	0.204324	0.969572	0.5317	0.628099	1
KEGG_GLYC	62	0.243829	0.969105	0.50641	0.628753	1
APPIERTO_	33	0.275978	0.968744	0.50678	0.629183	1
AMBROSIN	107	0.21818	0.968189	0.522936	0.630056	1
CAVARD_LI	26	0.291852	0.967264	0.502564	0.631815	1
LINDGREN_	116	0.217377	0.96549	0.524691	0.635536	1
XU_GH1_A	174	0.203059	0.96464	0.541298	0.637071	1
GENTILE_U	22	0.300181	0.963286	0.517529	0.639845	1
MILI_PSEU	64	0.238686	0.963053	0.51634	0.639994	1
BIOCARTA_	19	0.315527	0.962726	0.517483	0.640347	1
VERRECCHI	20	0.30935	0.962218	0.512479	0.641173	1
SHIPP_DLB	43	0.261099	0.961963	0.542857	0.641351	1
REACTOME	23	0.303591	0.961141	0.512028	0.642789	1
PEREZ_TP5	185	0.20101	0.961068	0.539568	0.642549	1
RICKMAN_	101	0.220434	0.958976	0.533437	0.647172	1
CHAUHAN_	94	0.224058	0.958962	0.544304	0.646775	1
BERTUCCI_	45	0.256276	0.958499	0.509934	0.647433	1
LEE_TARGE	49	0.252203	0.956579	0.537438	0.651412	1
DACOSTA_	46	0.250638	0.955969	0.528926	0.652474	1
BIOCARTA_	36	0.261653	0.955872	0.523973	0.652295	1
REACTOME	76	0.231981	0.955791	0.551988	0.652056	1
REACTOME	330	0.185258	0.955742	0.591588	0.651751	1

LOPES_ME	26	0.289781	0.955695	0.529215	0.651461	1
BOYLAN_M	79	0.229725	0.955528	0.542636	0.651451	1
SENGUPTA	268	0.189463	0.95415	0.590848	0.654272	1
MOHANKU	383	0.183131	0.95284	0.617801	0.656881	1
REACTOME	47	0.246232	0.952763	0.525253	0.656631	1
POMEROY_	38	0.25804	0.952755	0.540362	0.656232	1
KORKOLA_	21	0.305385	0.951469	0.520548	0.658739	1
SHEN_SMA	319	0.186952	0.948804	0.615702	0.664548	1
BYSTRYKH_	57	0.24017	0.948462	0.524116	0.664925	1
GOLDRATH	152	0.205906	0.948237	0.591041	0.665036	1
REACTOME	36	0.265933	0.94608	0.570234	0.669856	1
ACEVEDO_	186	0.196192	0.945767	0.596567	0.67018	1
NIKOLSKY_	327	0.183583	0.945524	0.609211	0.670291	1
BIOCARTA_	22	0.298014	0.94552	0.53886	0.669874	1
WANG_CLI	225	0.193123	0.944699	0.609244	0.671325	1
ST_FAS_SIC	58	0.240269	0.943707	0.540881	0.673142	1
WILCOX_PI	148	0.203482	0.942726	0.561765	0.674998	1
MCMURRA	64	0.235774	0.942692	0.565287	0.674663	1
WHITEHUR	33	0.264907	0.941427	0.560935	0.677191	1
SCHUETZ_E	83	0.220721	0.940455	0.595541	0.679102	1
KEGG_BAS	55	0.240419	0.940165	0.538206	0.679313	1
KEGG_INSL	134	0.205916	0.938888	0.590164	0.68185	1
SHIPP_DLB	35	0.261914	0.938493	0.55574	0.68235	1
MORI_PLA	19	0.310357	0.938466	0.531306	0.681981	1
BIOCARTA_	27	0.278569	0.937823	0.538983	0.683064	1
BHATI_G2M	115	0.20931	0.937005	0.599398	0.684565	1
MULLIGHA	256	0.187823	0.936693	0.620397	0.684832	1
BERTUCCI_	188	0.194631	0.936045	0.623734	0.685922	1
BOYLAN_M	109	0.208654	0.935089	0.580398	0.687744	1
UDAYAKUN	128	0.207032	0.933475	0.602447	0.691031	1
KEGG_REN	17	0.313602	0.932577	0.535473	0.692636	1
NGUYEN_N	21	0.299613	0.932005	0.539364	0.693538	1
BIOCARTA_	19	0.312895	0.93112	0.563574	0.695148	1
REACTOME	30	0.270969	0.930423	0.544465	0.69632	1

YAO_TEMP	44	0.249452	0.929523	0.591803	0.698041	1
HEIDENBLA	31	0.270823	0.929468	0.553922	0.697738	1
SETLUR_PR	20	0.300156	0.929129	0.549822	0.698091	1
CHANG_CC	31	0.267411	0.927975	0.565217	0.700285	1
RIZ_ERYTHI	37	0.257314	0.927916	0.587748	0.69998	1
MAHAJAN_	60	0.230858	0.927679	0.601318	0.700119	1
KENNY_CTI	41	0.255172	0.927418	0.574879	0.700289	1
KEGG_PRO	32	0.268349	0.926889	0.548495	0.701049	1
BIOCARTA_	16	0.319191	0.926545	0.554007	0.701392	1
MARIADAS	23	0.289469	0.925969	0.580205	0.702357	1
WANG_RES	22	0.292238	0.924741	0.553633	0.704727	1
KAAB_HEA	251	0.185358	0.924562	0.658904	0.704692	1
ROSS_AML	71	0.222329	0.923613	0.60155	0.706463	1
OKAWA_NI	20	0.300959	0.922632	0.566494	0.708195	1
ST_G_ALPH	34	0.26251	0.922506	0.579392	0.70804	1
NIKOLSKY_	52	0.238284	0.921509	0.602291	0.709905	1
RIZ_ERYTHI	25	0.279351	0.920226	0.578595	0.712412	1
BROWNE_I	175	0.193581	0.919259	0.649499	0.714228	1
KEGG_TYR	40	0.247988	0.917706	0.593646	0.717478	1
SIG_PIP3_S	62	0.228273	0.917669	0.585526	0.717118	1
YAUCH_HE	128	0.201983	0.917654	0.647059	0.716707	1
BIOCARTA_	15	0.31782	0.917276	0.577193	0.717124	1
WILLIAMS_	21	0.295812	0.916213	0.58348	0.719106	1
MORI_MAI	70	0.223217	0.916027	0.579439	0.719058	1
MORI_IMM	41	0.25145	0.915771	0.594324	0.719192	1
NIKOLSKY_	17	0.313579	0.914887	0.571675	0.720813	1
REACTOME	32	0.258806	0.914664	0.597623	0.720848	1
REACTOME	19	0.303063	0.914102	0.589606	0.721715	1
DING_LUN	26	0.273242	0.913482	0.571895	0.722731	1
ZHAN_MUI	51	0.238838	0.913459	0.608547	0.722331	1
SEKI_INFLA	22	0.28625	0.913444	0.612174	0.721929	1
WANG_REC	16	0.308878	0.912522	0.577465	0.723567	1
LUI_TARGE	30	0.268883	0.912103	0.594324	0.724084	1
KEGG_OLF	373	0.174663	0.910553	0.746819	0.727172	1

REACTOME	26	0.274246	0.910349	0.588435	0.727191	1
ZHAN_MUI	44	0.241861	0.910143	0.608547	0.727212	1
BIOCARTA_	23	0.283373	0.908136	0.573171	0.731353	1
HSC_MATL	15	0.317501	0.90783	0.56239	0.731631	1
HATADA_M	354	0.175351	0.906659	0.730871	0.73387	1
KEGG_PHE	16	0.312287	0.905929	0.571429	0.735071	1
CHARAFE_I	47	0.240678	0.905617	0.62585	0.735364	1
SENGUPTA	143	0.19786	0.905265	0.678312	0.735681	1
YAO_TEMP	72	0.219115	0.904591	0.661417	0.736801	1
FARMER_B	20	0.289828	0.903667	0.587611	0.738429	1
REACTOME	48	0.235642	0.901016	0.625207	0.743959	1
KORKOLA_	42	0.244859	0.901006	0.623064	0.743525	1
KEGG_GLIC	63	0.222482	0.900136	0.64918	0.744989	1
GARGALOV	22	0.284741	0.898609	0.595925	0.747855	1
MULLIGHA	73	0.21488	0.898506	0.667727	0.747655	1
PYEON_CA	28	0.262907	0.895985	0.614122	0.752858	1
RASHI_RES	48	0.232989	0.895672	0.650564	0.753072	1
VECCHI_GA	126	0.195802	0.894244	0.706949	0.755821	1
REACTOME	42	0.241564	0.892187	0.661667	0.759895	1
REACTOME	18	0.298449	0.892036	0.608084	0.759781	1
SU_KIDNEY	15	0.311735	0.891496	0.60274	0.760499	1
PETRETTO_	23	0.279877	0.890639	0.623489	0.761937	1
BIOCARTA_	22	0.28318	0.887333	0.616695	0.768768	1
REACTOME	54	0.226688	0.886207	0.655556	0.770767	1
KEGG_SELE	26	0.26578	0.886092	0.629964	0.770534	1
REACTOME	214	0.18337	0.885703	0.759887	0.770915	1
KEGG_PERI	77	0.212637	0.885384	0.69278	0.771115	1
BONCI_TAF	78	0.208633	0.885076	0.675969	0.771309	1
REACTOME	102	0.202723	0.885012	0.693939	0.77098	1
BIOCARTA_	18	0.294879	0.884288	0.625	0.772099	1
CHANDRAN	77	0.210027	0.883999	0.672078	0.772291	1
RIZKI_TUM	63	0.220026	0.883359	0.683706	0.773147	1
RICKMAN_	33	0.252154	0.882755	0.649215	0.77398	1
BIOCARTA_	17	0.297609	0.882175	0.615385	0.774774	1

REACTOME	34	0.249124	0.881494	0.629005	0.775823	1
KEGG_EPIT	68	0.214779	0.880907	0.681967	0.776579	1
SIG_CD40P	33	0.250821	0.88077	0.642017	0.776409	1
KEGG_PAN	16	0.296157	0.880594	0.613757	0.776371	1
JAZAG_TGF	106	0.200204	0.878251	0.713405	0.78106	1
BIOCARTA_	17	0.291775	0.878091	0.632689	0.78094	1
REACTOME	121	0.194395	0.878061	0.730475	0.780544	1
REACTOME	24	0.274062	0.877337	0.650338	0.781677	1
REACTOME	34	0.252744	0.876925	0.663317	0.782109	1
BIOCARTA_	18	0.287788	0.876657	0.637607	0.782219	1
KEGG_VAS	43	0.238443	0.876497	0.641997	0.782092	1
DAVICIONI_	315	0.172498	0.876438	0.801351	0.781759	1
RIZ_ERYTH	29	0.254075	0.875564	0.679466	0.783173	1
MURAKAM	18	0.29488	0.875092	0.648881	0.783722	1
BARRIER_C	33	0.25104	0.874918	0.652921	0.783652	1
NAKAJIMA_	21	0.275755	0.874906	0.649485	0.783216	1
MARTINEZ_	58	0.21837	0.874797	0.705387	0.782979	1
JI_RESPON:	46	0.23178	0.872541	0.678457	0.787197	1
BIOCARTA_	18	0.287499	0.871036	0.629693	0.789902	1
WEI_MIR3:	145	0.188748	0.870999	0.737075	0.789513	1
MILI_PSEU	445	0.166169	0.870262	0.86514	0.79059	1
KEGG_PATI	55	0.218239	0.868799	0.693548	0.793187	1
KEGG_CHE	185	0.179382	0.866976	0.796243	0.796532	1
SA_B_CELL	24	0.262522	0.866002	0.674783	0.798059	1
REACTOME	49	0.227305	0.865852	0.69802	0.797921	1
BIOCARTA_	37	0.242196	0.864834	0.662771	0.799549	1
KEGG_GAP	89	0.199935	0.863347	0.738999	0.802185	1
LOPEZ_MB	16	0.293659	0.862786	0.651203	0.802834	1
ROSS_AML	75	0.208831	0.86214	0.739771	0.80366	1
ST_WNT_C	19	0.278911	0.861627	0.660929	0.804237	1
NELSON_RI	16	0.296267	0.860921	0.65913	0.805208	1
BIOCARTA_	24	0.262325	0.859777	0.665517	0.807036	1
BIOCARTA_	22	0.268911	0.85937	0.6875	0.807365	1
WANG_BAI	25	0.263271	0.858613	0.669611	0.808351	1

NIKOLSKY_	30	0.251141	0.857097	0.678511	0.8109	1
YEGNASUB	121	0.189756	0.856653	0.766214	0.811326	1
KEGG_AMY	53	0.222077	0.856189	0.710863	0.811803	1
LEE_DIFFEF	126	0.188489	0.855509	0.783133	0.812732	1
REACTOME	26	0.260863	0.854825	0.653846	0.813611	1
HU_ANGIO	15	0.301787	0.852592	0.681739	0.817619	1
REACTOME	36	0.236785	0.852132	0.708126	0.818062	1
BREDEMEY	35	0.239167	0.851209	0.714527	0.81939	1
ABE_INNEF	23	0.266733	0.850122	0.678992	0.821119	1
MARSON_F	53	0.216108	0.849546	0.724026	0.821767	1
ALONSO_M	152	0.17889	0.848002	0.826607	0.82428	1
REACTOME	130	0.18605	0.847858	0.802413	0.824075	1
CHIANG_LI	27	0.256433	0.847503	0.709059	0.824325	1
KEGG_PRIC	34	0.241127	0.846673	0.703704	0.825428	1
NIKOLSKY_	143	0.182814	0.846443	0.806597	0.825412	1
CHEOK_RE	23	0.26264	0.846036	0.689165	0.825688	1
DACOSTA_	54	0.216674	0.844897	0.757732	0.827379	1
BOYALT_I	38	0.236632	0.842092	0.705061	0.832243	1
LIU_NASOF	59	0.20877	0.841388	0.764331	0.833071	1
REACTOME	28	0.254812	0.84066	0.706306	0.833969	1
KEGG_MAT	24	0.261616	0.839683	0.724382	0.835295	1
DORSAM_F	30	0.242348	0.839255	0.729494	0.835574	1
STANELLE_	17	0.276103	0.838711	0.671304	0.83612	1
HESS_TARC	56	0.211694	0.838437	0.721582	0.836155	1
CHUNG_BL	126	0.185814	0.83812	0.808801	0.836242	1
BROWNE_I	107	0.189845	0.836565	0.807692	0.838662	1
BIOCARTA_	29	0.244402	0.835941	0.712069	0.839334	1
ROSS_AML	68	0.205565	0.833198	0.783654	0.844069	1
NIKOLSKY_	36	0.229655	0.832137	0.725424	0.845502	1
MOLENAAF	60	0.210671	0.831751	0.755521	0.845724	1
IWANAGA_	149	0.181094	0.831408	0.82853	0.845866	1
WANG_REC	15	0.29577	0.831367	0.694581	0.845458	1
REACTOME	22	0.260415	0.831345	0.711185	0.845006	1
REACTOME	24	0.252206	0.830534	0.723906	0.846033	1

GRADE_CO	40	0.226932	0.829392	0.763934	0.847672	1
REACTOME	85	0.192718	0.827974	0.809816	0.849696	1
ZHAN_MUI	45	0.218865	0.825621	0.764007	0.85341	1
GAUSSMAN	18	0.279162	0.824325	0.708475	0.85519	1
REACTOME	132	0.180126	0.823643	0.845833	0.855891	1
CREIGHTON	34	0.233301	0.82156	0.729915	0.859059	1
DUNNE_TA	19	0.268438	0.82127	0.724739	0.859075	1
KEGG_GLYC	26	0.251498	0.820348	0.753873	0.860137	1
REACTOME	20	0.26179	0.820252	0.732323	0.859814	1
MOREIRA_	18	0.271999	0.818112	0.698606	0.863005	1
BIOCARTA_	23	0.257829	0.817576	0.730375	0.863425	1
SCHLOSSER	127	0.181725	0.816114	0.851064	0.86539	1
DACOSTA_	16	0.283965	0.815787	0.705882	0.865401	1
KLEIN_PRIN	50	0.213023	0.81464	0.769475	0.866938	1
BROWNE_I	142	0.175095	0.812478	0.857355	0.870051	1
REACTOME	16	0.278803	0.809665	0.723776	0.87418	1
CROONQUI	31	0.232589	0.809425	0.760908	0.874069	1
CHESLER_B	29	0.236538	0.809037	0.754934	0.874208	1
BOYALT_I	50	0.207596	0.808172	0.791667	0.875133	1
XU_GH1_E	99	0.185036	0.807498	0.831269	0.875715	1
XU_HGF_T	75	0.195619	0.80694	0.83033	0.87616	1
REACTOME	28	0.239551	0.806001	0.760399	0.87716	1
KONDO_PF	94	0.186917	0.804228	0.834862	0.879586	1
REACTOME	31	0.230987	0.803337	0.767055	0.880524	1
KONDO_CC	26	0.242403	0.803195	0.766169	0.880252	1
BIOCARTA_	38	0.219239	0.801291	0.781553	0.882815	1
REACTOME	31	0.235489	0.801206	0.772174	0.882471	1
DAIRKEE_T	89	0.18796	0.800308	0.862745	0.883378	1
CUI_GLUCC	47	0.20828	0.798478	0.776451	0.885761	1
WIKMAN_I	17	0.269099	0.797647	0.750883	0.886551	1
RUGO_RES	44	0.211112	0.797274	0.788525	0.886635	1
SIG_REGUL	34	0.227843	0.79724	0.791736	0.88619	1
BIOCARTA_	15	0.279694	0.797111	0.736185	0.885868	1
REACTOME	61	0.197334	0.796979	0.836703	0.885567	1

REACTOME	17	0.265314	0.795436	0.755672	0.88742	1
SESTO_RES	67	0.194748	0.793517	0.849057	0.88984	1
BIOCARTA_	18	0.261783	0.791311	0.756993	0.892679	1
REACTOME	82	0.1876	0.791248	0.865204	0.892259	1
REACTOME	21	0.254574	0.79079	0.752066	0.892415	1
BIOCARTA_	17	0.266699	0.787385	0.757366	0.896943	1
KYNG_DNA	44	0.211112	0.786657	0.803987	0.897492	1
KEGG_N_G	45	0.206035	0.786101	0.83871	0.897762	1
KEGG_GLYC	30	0.230962	0.785333	0.801406	0.898372	1
OUELLET_C	33	0.225468	0.784605	0.821124	0.898864	1
BIOCARTA_	15	0.280842	0.781473	0.745975	0.902891	1
LEE_LIVER_	121	0.173108	0.779437	0.886263	0.905366	1
KEGG_VIBF	54	0.199083	0.778802	0.835237	0.905756	1
JIANG_TIP3	21	0.245088	0.777935	0.798987	0.90646	1
MCCLUNG_	51	0.198253	0.777532	0.841845	0.906454	1
REACTOME	60	0.190326	0.777187	0.853354	0.906426	1
SUZUKI_AN	15	0.272776	0.775176	0.788091	0.908629	1
KORKOLA_	23	0.242461	0.774987	0.801695	0.908381	1
REACTOME	23	0.24615	0.774355	0.806612	0.908666	1
BIOCARTA_	16	0.262148	0.77345	0.781513	0.909384	1
KEGG_STEF	44	0.20489	0.772247	0.850848	0.910495	1
HOFFMANI	29	0.229669	0.770767	0.810903	0.911913	1
REACTOME	43	0.21111	0.770604	0.828479	0.911627	1
YANG_BRE	35	0.2145	0.768799	0.839744	0.91353	1
REACTOME	16	0.265109	0.768567	0.797578	0.91332	1
SARRIO_EP	15	0.266611	0.767019	0.79558	0.914841	1
HOFFMANI	21	0.246673	0.765522	0.813726	0.916198	1
PENG_LEUC	22	0.241784	0.765403	0.804207	0.915863	1
BIOCARTA_	22	0.240605	0.763533	0.815254	0.917671	1
JAZAERI_BI	37	0.213103	0.762508	0.824324	0.918472	1
KEGG_DOR	24	0.234961	0.759289	0.808171	0.921883	1
CAMPS_CC	75	0.181252	0.758412	0.904908	0.922396	1
KEGG_STEF	17	0.259104	0.75804	0.79046	0.922329	1
KEGG_CYST	33	0.212625	0.757222	0.824561	0.922813	1

CHESLER_B	32	0.220137	0.755694	0.8438	0.9241	1
WATANABI	18	0.254701	0.755528	0.822719	0.923776	1
NICK_RESP	27	0.222035	0.754972	0.84669	0.923913	1
LIU_TARGE	16	0.260193	0.753876	0.832727	0.924669	1
REACTOME	18	0.2478	0.753627	0.812606	0.924482	1
SU_LIVER	55	0.193537	0.752703	0.909236	0.925032	1
REACTOME	17	0.261222	0.752454	0.808712	0.924795	1
YAUCH_HE	211	0.15467	0.751682	0.975504	0.925134	1
BIOCARTA_	31	0.215081	0.74988	0.846535	0.926678	1
LIU_LIVER_	24	0.23031	0.746376	0.827471	0.930153	1
HOEGERKO	22	0.233676	0.745498	0.849916	0.930604	1
ZHOU_INFL	259	0.148751	0.744441	0.98762	0.931206	1
XU_HGF_SI	17	0.254959	0.743371	0.802721	0.931836	1
DASU_IL6_	28	0.221042	0.738106	0.851792	0.936878	1
MAYBURD_	27	0.225522	0.736678	0.842756	0.937824	1
REACTOME	28	0.221625	0.732727	0.858824	0.94124	1
GALE_APL_	54	0.190097	0.731928	0.9125	0.941487	1
FIRESTEIN_	28	0.21669	0.731477	0.854484	0.941387	1
REACTOME	16	0.245421	0.724575	0.833043	0.947441	1
REACTOME	37	0.200308	0.724335	0.879661	0.947148	1
NIELSEN_G	20	0.233592	0.724324	0.860034	0.946639	1
BIOCARTA_	17	0.242324	0.716845	0.862712	0.953062	1
DAVICIONI_	20	0.228166	0.715522	0.878049	0.953739	1
REACTOME	17	0.241739	0.715482	0.859862	0.953256	1
REACTOME	16	0.24521	0.714007	0.852893	0.954	1
BOQUEST_	31	0.205822	0.710623	0.898164	0.956337	1
KEGG_NOT	47	0.187637	0.709802	0.92163	0.956497	1
REACTOME	21	0.226116	0.708403	0.884342	0.957154	1
RICKMAN_	53	0.183733	0.707885	0.919872	0.957043	1
BIOCARTA_	34	0.198861	0.705748	0.913323	0.958259	1
WINNEPEN	43	0.188866	0.705201	0.918605	0.958196	1
KUNINGER_	19	0.235056	0.705168	0.855462	0.957705	1
REACTOME	22	0.220288	0.70454	0.894249	0.957679	1
BARRIER_C	18	0.236341	0.70295	0.867347	0.958459	1

BHATTACH	75	0.169326	0.701419	0.96672	0.959143	1
HOSHIDA_I	115	0.156016	0.696936	0.982759	0.961987	1
REACTOME	19	0.227636	0.691216	0.872449	0.965654	1
KUNINGER	41	0.188434	0.690877	0.909385	0.965366	1
WU_ALZHE	15	0.241827	0.689878	0.875	0.965583	1
CONRAD_S	37	0.190592	0.682213	0.942149	0.970244	1
RODRIGUE'	15	0.239636	0.680597	0.899099	0.97083	1
ROVERSI_G	49	0.176372	0.6794	0.944715	0.971099	1
POMEROY_	35	0.191821	0.677164	0.923858	0.972002	1
BIOCARTA_	36	0.188984	0.675445	0.93823	0.972523	1
BOYLAN_M	29	0.197289	0.675014	0.907618	0.972271	1
KEGG_BIOS	22	0.215932	0.672129	0.902174	0.973466	1
WEBER_MI	15	0.234155	0.671796	0.896739	0.973129	1
MATTIOLI_	16	0.228533	0.667049	0.897033	0.975283	1
REACTOME	84	0.157009	0.666652	0.979688	0.97497	1
REACTOME	170	0.141181	0.666432	0.997126	0.97456	1
COLLIS_PRI	17	0.225651	0.665067	0.914634	0.974816	1
NIKOLSKY_	16	0.224437	0.664963	0.905429	0.974351	1
HEDENFALI	16	0.228069	0.662833	0.921005	0.975006	1
EHLERS_AN	35	0.190299	0.662735	0.948187	0.974536	1
KANG_FLU	22	0.209011	0.66188	0.925087	0.974476	1
NIKOLSKY_	44	0.177409	0.657484	0.955665	0.976275	1
BIOCARTA_	23	0.204613	0.646756	0.939444	0.980972	1
AIYAR_COE	27	0.192033	0.644962	0.94087	0.981256	1
BIOCARTA_	32	0.186545	0.644578	0.95922	0.980904	1
CUI_TCF21	36	0.181009	0.643858	0.956007	0.980695	1
ST_INTERLI	26	0.194438	0.641547	0.942708	0.981154	1
REACTOME	15	0.224105	0.641211	0.913124	0.980789	1
SCHLOSSER	46	0.169445	0.640537	0.974068	0.980529	1
NIKOLSKY_	55	0.163666	0.638371	0.980614	0.980935	1
BIOCARTA_	18	0.211876	0.635791	0.918773	0.981494	1
AUNG_GAS	37	0.179137	0.635471	0.97265	0.981091	1
SCHLOSSER	28	0.188868	0.633404	0.958188	0.981426	1
SIG_BCR_S	46	0.168959	0.632989	0.971524	0.981058	1

DAVICIONI_	15	0.219914	0.632252	0.929947	0.980854	1
SIG_CHEM	43	0.169353	0.627362	0.964646	0.982246	1
REACTOME	20	0.203772	0.623982	0.93437	0.982906	1
KEGG_NITF	21	0.198808	0.622256	0.945614	0.98297	1
POMEROY_	47	0.162847	0.622142	0.976431	0.98248	1
REACTOME	29	0.181844	0.615869	0.966159	0.984031	1
POMEROY_	47	0.162847	0.615226	0.978723	0.983724	1
WONG_EN	41	0.162067	0.600378	0.981908	0.987659	1
REACTOME	53	0.151686	0.59971	0.991987	0.98732	1
REACTOME	24	0.184518	0.598915	0.959184	0.987026	1
HAHTOLA_	15	0.209308	0.597234	0.936953	0.986933	1
BIOCARTA_	28	0.176352	0.58893	0.97084	0.988505	1
BOHN_PRII	36	0.162049	0.572205	0.990083	0.991595	1
REACTOME	20	0.18218	0.558414	0.970395	0.993474	1
KEGG_PRIM	16	0.187479	0.543114	0.97582	0.99514	1
BERTUCCI_	23	0.16034	0.523614	0.99308	0.996772	1
YOKOE_CA	18	0.163494	0.485425	0.994728	0.998887	1
REACTOME	21	0.144722	0.451797	0.994941	0.999572	1
REACTOME	41	0.119423	0.440497	1	0.999303	1