GSEA persister	SIZE	ES	NES	NOM p-val
KOBAYASHI_EGFR_SIGNALING_24HF	91	0.6158914	1.6774119	0
PODAR_RESPONSE_TO_ADAPHOSTII	133	0.5725425	1.5245929	0
KIM_MYC_AMPLIFICATION_TARGET	64	0.54878587	1.5159117	0
KEGG_PHOSPHATIDYLINOSITOL_SIG	67	0.5428106	1.5079663	0.02469136
CASORELLI_ACUTE_PROMYELOCYTIC	157	0.5315123	1.5032824	0
GARGALOVIC_RESPONSE_TO_OXIDIZ	68	0.60288537	1.4995856	0
RUIZ_TNC_TARGETS_UP	141	0.5757926	1.4893037	0
KINSEY_TARGETS_OF_EWSR1_FLII_F	279	0.5749149	1.4852284	0
ODONNELL_TARGETS_OF_MYC_AND	75	0.5468729	1.482517	0
KEGG_AXON_GUIDANCE	127	0.49388975	1.4782517	0
KEGG_ERBB_SIGNALING_PATHWAY	85	0.53274053	1.476202	0.05060729
CHEN_LVAD_SUPPORT_OF_FAILING_	96	0.50175303	1.4699547	0
PEREZ_TP53_AND_TP63_TARGETS	182	0.5070127	1.4665049	0
REN_ALVEOLAR_RHABDOMYOSARC	95	0.5072178	1.4482498	0
RAMASWAMY_METASTASIS_DN	57	0.53284335	1.4450008	0.02845529
PEREZ_TP63_TARGETS	313	0.48958525	1.4428053	0
RAGHAVACHARI_PLATELET_SPECIFIC	66	0.46943298	1.4421027	0.02729045
KONDO_EZH2_TARGETS	127	0.48753598	1.4404864	0
YAO_TEMPORAL_RESPONSE_TO_PR	62	0.5411703	1.4343483	0.01976285
FRIDMAN_SENESCENCE_UP	74	0.45868224	1.4332204	0
ONDER_CDH1_TARGETS_1_UP	121	0.5146014	1.4303304	0
TONKS_TARGETS_OF_RUNX1_RUNX	169	0.48695454	1.4272393	0
KEGG_JAK_STAT_SIGNALING_PATHV	151	0.49312404	1.4251015	0.10606061
BASSO_CD40_SIGNALING_DN	62	0.5220066	1.4244918	0
SHEDDEN_LUNG_CANCER_GOOD_SU	176	0.48414	1.4195551	0
MANALO_HYPOXIA_UP	188	0.45177537	1.4195414	0.02380952
HADDAD_B_LYMPHOCYTE_PROGEN	260	0.52739084	1.4188768	0.05357143
TAKEDA_TARGETS_OF_NUP98_HOX	127	0.4857181	1.417315	0
MORI_PRE_BI_LYMPHOCYTE_DN	58	0.5139085	1.4162353	0.01996008
RIGGI_EWING_SARCOMA_PROGENIT	169	0.46557203	1.412686	0.02631579
UDAYAKUMAR_MED1_TARGETS_DN	224	0.4565625	1.407881	0.04761905
BASSO_HAIRY_CELL_LEUKEMIA_DN	80	0.48023602	1.4075651	0.05175984
GUTIERREZ_CHRONIC_LYMPHOCYTIC	52	0.48992756	1.4039485	0
HOSHIDA_LIVER_CANCER_LATE_REC	54	0.4463246	1.4028294	0
KIM_MYCN_AMPLIFICATION_TARGE	78	0.5070885	1.3984165	0.01984127
RICKMAN_TUMOR_DIFFERENTIATED	95	0.47890902	1.3954363	0
JISON_SICKLE_CELL_DISEASE_DN	155	0.38862175	1.394877	0
REACTOME_G_ALPHA_12_13_SIGNA	54	0.47326234	1.3939317	0
YAGI_AML_WITH_T_9_11_TRANSLO	123	0.44005904	1.3917896	0.07326733
REACTOME_SIGNALING_BY_PDGF	62	0.45207527	1.3891764	0

YAO_TEMPORAL_RESPONSE_TO_PR	58	0.50059855	1.3824391	0.05964215
KEGG_B_CELL_RECEPTOR_SIGNALIN	71	0.47322947	1.382014	0.09760957
FRASOR_RESPONSE_TO_ESTRADIOL_	59	0.5148646	1.3796513	0
YAO_HOXA10_TARGETS_VIA_PROGE	70	0.44908115	1.369926	0.02453988
VECCHI_GASTRIC_CANCER_ADVANC	153	0.40948686	1.3698292	0.027833
LIU_SOX4_TARGETS_UP	124	0.508156	1.3686172	0.02524272
CAIRO_LIVER_DEVELOPMENT_UP	142	0.40611255	1.3671103	0
ADDYA_ERYTHROID_DIFFERENTIATI	61	0.4657917	1.3670291	0.1734104
MITSIADES_RESPONSE_TO_APLIDIN_	396	0.44485784	1.3655837	0
AKL_HTLV1_INFECTION_DN	61	0.498177	1.3646672	0.0268714
WANG_HCP_PROSTATE_CANCER	72	0.48395416	1.3626598	0.02702703
KEGG_RIG_I_LIKE_RECEPTOR_SIGNA	65	0.43737304	1.3579061	0.0491453
SMID_BREAST_CANCER_LUMINAL_A	84	0.4924884	1.3575382	0.03853956
LIU_VMYB_TARGETS_UP	116	0.44444662	1.3511465	0.07444668
ODONNELL_TFRC_TARGETS_UP	377	0.40345985	1.3451083	0
KEGG_T_CELL_RECEPTOR_SIGNALIN	107	0.4856167	1.3417171	0.10580913
WAMUNYOKOLI_OVARIAN_CANCER_	57	0.5168954	1.3414065	0.05432596
BOYLAN_MULTIPLE_MYELOMA_C_D	210	0.3771994	1.3407238	0.02862986
BOYLAN_MULTIPLE_MYELOMA_D_D	59	0.42097592	1.3388982	0
REACTOME_TRKA_SIGNALLING_FRO	95	0.44174373	1.3376374	0.1018711
HELLER_HDAC_TARGETS_SILENCED_	390	0.4176472	1.3358787	0.02636917
SU_PANCREAS	51	0.5102027	1.3358334	0.09939148
REACTOME_RHO_GTPASE_CYCLE	112	0.40499625	1.334832	0.075
MOLENAAR_TARGETS_OF_CCND1_A	51	0.49148968	1.334731	0.02514507
PICCALUGA_ANGIOIMMUNOBLASTIC	113	0.54786867	1.3345056	0.03359684
RODRIGUES_THYROID_CARCINOMA_	64	0.49674913	1.3327749	0.054
MULLIGHAN_NPM1_MUTATED_SIGI	124	0.43127728	1.3315524	0
BILD_HRAS_ONCOGENIC_SIGNATUR	231	0.42058337	1.3281891	0.13793103
TARTE_PLASMA_CELL_VS_PLASMAB	370	0.38418844	1.3222635	0
POOLA_INVASIVE_BREAST_CANCER_	130	0.45643428	1.3215894	0.09387755
MARTORIATI_MDM4_TARGETS_NEU	70	0.47038174	1.3215454	0.12704918
BILD_E2F3_ONCOGENIC_SIGNATURE	213	0.4098842	1.3209893	0.09645669
GAUSSMANN_MLL_AF4_FUSION_TA	130	0.4394639	1.3201853	0
AMBROSINI_FLAVOPIRIDOL_TREATM	99	0.4171646	1.3170831	0
KEGG_CHRONIC_MYELOID_LEUKEM	72	0.46137348	1.3168845	0.18525897
MOHANKUMAR_TLX1_TARGETS_DN	141	0.3956353	1.316461	0
BERTUCCI_MEDULLARY_VS_DUCTAL	144	0.43593678	1.3129913	0.03258656
SENGUPTA_EBNA1_ANTICORRELATE	142	0.55239195	1.3116581	0.16458334
ZHANG_RESPONSE_TO_IKK_INHIBIT	200	0.3990992	1.3113973	0.07383966
ACEVEDO_LIVER_CANCER_WITH_H3	101	0.4169172	1.3097173	0.07756814
HELLER_HDAC_TARGETS_UP	266	0.46568292	1.30689	0

WANG_CLIM2_TARGETS_UP	224	0.42862147	1.3060523	0.07453416
ZHOU_INFLAMMATORY_RESPONSE_	460	0.35298988	1.3020673	0
FULCHER_INFLAMMATORY_RESPON	400	0.4170444	1.3011527	0.02642277
DEURIG_T_CELL_PROLYMPHOCYTIC_	286	0.40285972	1.3001875	0.09919028
KEGG_ACUTE_MYELOID_LEUKEMIA	56	0.49770784	1.2996211	0.07322176
BASAKI_YBX1_TARGETS_DN	325	0.43127054	1.2995566	0.03455285
KIM_WT1_TARGETS_12HR_UP	142	0.44510192	1.2982161	0.11064718
LAIHO_COLORECTAL_CANCER_SERR	76	0.49898133	1.2981821	0.03265306
WANG_SMARCE1_TARGETS_UP	155	0.39235464	1.2968512	0.04624277
ELVIDGE_HYPOXIA_UP	149	0.43090093	1.2965916	0.14884695
BOYLAN_MULTIPLE_MYELOMA_PCA	75	0.43387312	1.2945749	0.128
KEGG_FOCAL_ADHESION	189	0.3852044	1.292666	0.0501002
KEGG_OLFACTORY_TRANSDUCTION	114	0.40262318	1.2922213	0.20281124
KEGG_VEGF_SIGNALING_PATHWAY	71	0.47846046	1.2894677	0.10251046
GRABARCZYK_BCL11B_TARGETS_DN	51	0.41557428	1.288305	0.07436399
KEGG_NEUROACTIVE_LIGAND_RECE	252	0.37908873	1.2865744	0.11340206
LIAN_LIPA_TARGETS_6M	64	0.44594964	1.2855456	0.02610442
KEGG_TOLL_LIKE_RECEPTOR_SIGNA	98	0.4477897	1.2822225	0.10560345
REACTOME_DOWNSTREAM_EVENTS	405	0.3637825	1.2821368	0.05154639
REACTOME_CELL_CELL_ADHESION_S	55	0.41442513	1.2820818	0.07768925
LENAOUR_DENDRITIC_CELL_MATUR	94	0.40147325	1.2796301	0.07070707
KEGG_CHEMOKINE_SIGNALING_PAT	173	0.4084638	1.2795932	0.1120332
KEGG_LEUKOCYTE_TRANSENDOTHE	108	0.40742838	1.2792054	0.04572565
LIU_CMYB_TARGETS_UP	149	0.42893252	1.2772199	0.10470086
RODRIGUES_DCC_TARGETS_DN	109	0.48206672	1.2766842	0.10805501
MULLIGHAN_NPM1_SIGNATURE_3_	313	0.3692032	1.2761894	0
REACTOME_SIGNALLING_BY_NGF	206	0.41689014	1.2745504	0.17052631
HORIUCHI_WTAP_TARGETS_UP	275	0.39906043	1.2726916	0.07662083
KEGG_ENDOMETRIAL_CANCER	51	0.46219844	1.2719004	0.10470086
DAVICIONI_TARGETS_OF_PAX_FOXC	234	0.35651743	1.2714262	0.05060729
LU_IL4_SIGNALING	61	0.40127	1.2705237	0.0981964
TAKEDA_TARGETS_OF_NUP98_HOXA	155	0.3914002	1.2701629	0.02692308
RAMALHO_STEMNESS_DN	64	0.4999636	1.2687471	0.17336152
YAO_TEMPORAL_RESPONSE_TO_PR	65	0.43058753	1.267184	0.03238867
LEE_DIFFERENTIATING_T_LYMPHOC	122	0.5244807	1.2642219	0.3995943
REACTOME_G_ALPHA_S_SIGNALLIN	118	0.4022577	1.2636833	0.07755102
REACTOME_NCAM_SIGNALING_FOR	65	0.4423553	1.2613224	0.15560167
JAEGER_METASTASIS_DN	242	0.38337627	1.2601357	0.09859155
TONKS_TARGETS_OF_RUNX1_RUNX	149	0.4121514	1.2589469	0.09879033
KEGG_PANCREATIC_CANCER	69	0.4490533	1.2589389	0.2417154
GARGALOVIC_RESPONSE_TO_OXIDIZ	118	0.4351096	1.2560349	0.21568628

RODRIGUES_NTN1_TARGETS_DN	148	0.40269896	1.2547984	0.10294118
KEGG_REGULATION_OF_ACTIN_CYT	198	0.372426	1.2547804	0.13429752
ROSS_AML_WITH_PML_RARA_FUSI	73	0.43374562	1.2523332	0.06860707
REACTOME_PHASE_1_FUNCTIONALI	66	0.4536945	1.252205	0.1884058
KEGG_NATURAL_KILLER_CELL_MEDI	129	0.41163868	1.2512742	0.3153527
BROWNE_HCMV_INFECTION_8HR_U	99	0.4016118	1.2503346	0.07254902
CREIGHTON_ENDOCRINE_THERAPY_	421	0.3965528	1.2479771	0.09760957
REACTOME_CELL_DEATH_SIGNALLIN	59	0.46463647	1.2473775	0.11561866
MCLACHLAN_DENTAL_CARIES_DN	227	0.3608665	1.2448943	0.10272536
SENESE_HDAC1_TARGETS_DN	208	0.3674892	1.2444957	0.04968944
SMID_BREAST_CANCER_RELAPSE_IN	88	0.45086023	1.2440289	0.10309278
ODONNELL_METASTASIS_UP	77	0.4432743	1.2408775	0.16837782
CHANDRAN_METASTASIS_DN	85	0.39745462	1.240782	0.14020619
CHEBOTAEV_GR_TARGETS_DN	105	0.44063678	1.2407697	0.09861933
TAVAZOIE_METASTASIS	98	0.42072836	1.2398747	0.15445544
MARSON_FOXP3_TARGETS_UP	53	0.4816155	1.2376312	0.24116424
LIAN_LIPA_TARGETS_3M	52	0.42937717	1.2375363	0.08151093
TURASHVILI_BREAST_LOBULAR_CAR	60	0.4574188	1.2373856	0.07072692
KEGG_PATHWAYS_IN_CANCER	315	0.3583355	1.2362479	0.16232465
ST_INTEGRIN_SIGNALING_PATHWAY	77	0.40199038	1.2352307	0.1018711
BOYAULT_LIVER_CANCER_SUBCLASS	104	0.38319013	1.2350473	0.1362764
WANG_PROSTATE_CANCER_ANDRO	59	0.39996722	1.234572	0.13333334
KEGG_GAP_JUNCTION	77	0.41051733	1.2345402	0.15430862
VERHAAK_AML_WITH_NPM1_MUTA	225	0.39160678	1.2341539	0.11405295
OSMAN_BLADDER_CANCER_DN	347	0.38591516	1.232514	0.0987395
ONDER_CDH1_TARGETS_3_DN	52	0.42267764	1.232291	0.12195122
REACTOME_PLATELET_ACTIVATION_	56	0.43164802	1.2312487	0.17943548
STARK_PREFRONTAL_CORTEX_22Q1	157	0.42304182	1.2308868	0.11287129
DANG_REGULATED_BY_MYC_DN	230	0.36733833	1.2298362	0.13374485
BROWNE_HCMV_INFECTION_20HR_	217	0.34533653	1.229301	0.07361963
CHEN_HOXA5_TARGETS_9HR_UP	194	0.48807135	1.2288975	0.17738791
ELVIDGE_HYPOXIA_BY_DMOG_UP	114	0.40861934	1.2276644	0.22362868
THEILGAARD_NEUTROPHIL_AT_SKIN	212	0.3946743	1.2248803	0.21255061
IWANAGA_CARCINOGENESIS_BY_KR	277	0.3495528	1.2248042	0.09683795
VANTVEER_BREAST_CANCER_ESR1_	123	0.3773309	1.2232652	0.0473251
IVANOVA_HEMATOPOIESIS_STEM_C	76	0.4080925	1.2224627	0.07039338
HOOI_ST7_TARGETS_DN	99	0.42153716	1.2220458	0.18410853
LIU_PROSTATE_CANCER_DN	423	0.33689776	1.2215215	0.046
LEE_LIVER_CANCER_CIPROFIBRATE_	57	0.44340593	1.2207477	0.17671518
TSAI_RESPONSE_TO_IONIZING_RAD	116	0.3662097	1.2207059	0.10272536
KEGG_FC_EPSILON_RI_SIGNALING_F	75	0.42997625	1.2203802	0.18163265

VERHAAK_AML_WITH_NPM1_MUTA	172	0.3127978	1.2203654	0.02755906
HUPER_BREAST_BASAL_VS_LUMINA	51	0.3954108	1.2201629	0.178
NIKOLSKY_MUTATED_AND_AMPLIFI	78	0.39321968	1.219867	0.01972387
RIGGI_EWING_SARCOMA_PROGENIT	382	0.35616276	1.2181606	0.03950104
YAGI_AML_WITH_T_8_21_TRANSLO	334	0.36494446	1.2177687	0.08315565
DAZARD_RESPONSE_TO_UV_SCC_DI	87	0.4601344	1.2166588	0.20272905
PASQUALUCCI_LYMPHOMA_BY_GC_	136	0.43097225	1.216432	0.09861933
MULLIGHAN_NPM1_MUTATED_SIGI	251	0.3471685	1.2154729	0.0368217
GRAHAM_CML_QUIESCENT_VS_NOI	54	0.42121887	1.2129577	0.12871288
KEGG_NOD_LIKE_RECEPTOR_SIGNA	51	0.37888658	1.2119392	0.09072978
LINDGREN_BLADDER_CANCER_CLUS	124	0.41555423	1.2119381	0.11218569
KEGG_MELANOMA	71	0.45083886	1.2108351	0.25477707
ZHOU_INFLAMMATORY_RESPONSE_	376	0.33106548	1.210176	0
SMIRNOV_CIRCULATING_ENDOTHEL	150	0.4338302	1.2087048	0.13519314
HOEBEKE_LYMPHOID_STEM_CELL_U	84	0.46709928	1.208143	0.14007781
CHARAFE_BREAST_CANCER_LUMINA	329	0.4281158	1.2078655	0.16993465
VECCHI_GASTRIC_CANCER_EARLY_D	321	0.36475363	1.2073817	0.0515873
ENK_UV_RESPONSE_EPIDERMIS_DN	477	0.3550995	1.2069579	0.09760957
KEGG_NON_SMALL_CELL_LUNG_CA	52	0.4677049	1.2058402	0.16309012
ZHOU_INFLAMMATORY_RESPONSE_	421	0.32994333	1.2054284	0.04831933
DACOSTA_UV_RESPONSE_VIA_ERCC	53	0.47512308	1.2050289	0.24520256
ZHONG_RESPONSE_TO_AZACITIDINE	174	0.40474108	1.2043792	0.10515022
KEGG_APOPTOSIS	82	0.40512478	1.2039039	0.20682302
STEARMAN_LUNG_CANCER_EARLY_	103	0.37335765	1.2035456	0.1284585
ELVIDGE_HIF1A_TARGETS_DN	78	0.4074502	1.201559	0.18737271
MISSIAGLIA_REGULATED_BY_METHY	92	0.4518109	1.2012372	0.12311015
JAATINEN_HEMATOPOIETIC_STEM_(	209	0.41921663	1.1995181	0.23493975
SUNG_METASTASIS_STROMA_UP	99	0.35110122	1.1985117	0.1194605
KAN_RESPONSE_TO_ARSENIC_TRIOX	113	0.411272	1.1975267	0.32156864
ACEVEDO_LIVER_CANCER_WITH_H3	161	0.35052255	1.1965338	0.074
BROWNE_HCMV_INFECTION_12HR_	89	0.3735143	1.194533	0.17681728
KIM_WT1_TARGETS_UP	193	0.36727235	1.1942621	0.24110672
KEGG_MAPK_SIGNALING_PATHWAY	256	0.38835284	1.1920052	0.10515022
HESS_TARGETS_OF_HOXA9_AND_M	66	0.3858265	1.1891128	0.18255578
SCHLESINGER_METHYLATED_DE_NC	84	0.42997482	1.1877693	0.26680243
KYNG_DNA_DAMAGE_DN	96	0.38289332	1.1868193	0.04518664
KEGG_SMALL_CELL_LUNG_CANCER	82	0.42057368	1.1859946	0.18074656
SHEDDEN_LUNG_CANCER_GOOD_SU	62	0.48675415	1.185534	0.14613779
MOREAUX_B_LYMPHOCYTE_MATUR	68	0.43913424	1.1850774	0.18125
DAVICIONI_MOLECULAR_ARMS_VS_	293	0.35593575	1.1837449	0.13147411
ONDER_CDH1_TARGETS_2_UP	223	0.34410807	1.1833997	0.23809524

ROPERO_HDAC2_TARGETS	100	0.42586043	1.1827534	0.10583153
GAUSSMANN_MLL_AF4_FUSION_TA	154	0.33767113	1.1826043	0.11332008
BROWNE_HCMV_INFECTION_1HR_U	60	0.4109765	1.1820824	0.26877472
RASHI_RESPONSE_TO_IONIZING_RA	110	0.3868224	1.1817733	0.15118791
BIOCARTA_MAPK_PATHWAY	85	0.41575593	1.1809988	0.12340426
REACTOME_AXON_GUIDANCE	153	0.34086478	1.1801571	0.08163265
XU_GH1_AUTOCRINE_TARGETS_DN	110	0.33849064	1.1799335	0.0545809
SASSON_RESPONSE_TO_FORSKOLIN	67	0.37356463	1.1797415	0.1391129
LIN_SILENCED_BY_TUMOR_MICROE	99	0.37641522	1.1770471	0.22520661
KEGG_WNT_SIGNALING_PATHWAY	144	0.3987847	1.1768159	0.17181467
VANHARANTA_UTERINE_FIBROID_D	61	0.4154877	1.173141	0.18871595
KEGG_PROSTATE_CANCER	87	0.3740779	1.1722951	0.20866142
DOUGLAS_BMI1_TARGETS_DN	273	0.386121	1.1722437	0.25651303
KEGG_ECM_RECEPTOR_INTERACTIO	81	0.35844445	1.1679835	0.17886178
GRAHAM_NORMAL_QUIESCENT_VS_	60	0.4328446	1.1668861	0.2946768
NAGASHIMA_EGF_SIGNALING_UP	52	0.4161244	1.1666657	0.2771855
YAUCH_HEDGEHOG_SIGNALING_PA	200	0.2982796	1.1660457	0.06517312
KEGG_GNRH_SIGNALING_PATHWAY	97	0.38695678	1.1652427	0.2
KEGG_CALCIUM_SIGNALING_PATHV	171	0.32541904	1.1636158	0.14968815
ELVIDGE_HIF1A_AND_HIF2A_TARGE	87	0.38025445	1.1628108	0.24
ALCALAY_AML_BY_NPM1_LOCALIZA	131	0.3315463	1.1610203	0.12450593
BROWNE_HCMV_INFECTION_6HR_D	149	0.39014378	1.1603156	0.20467836
GAL_LEUKEMIC_STEM_CELL_UP	118	0.34952947	1.1581453	0.11045365
LEE_NEURAL_CREST_STEM_CELL_DN	113	0.35361084	1.157332	0.17330678
GENTILE_UV_HIGH_DOSE_DN	229	0.40066326	1.1555562	0.15280464
AMIT_EGF_RESPONSE_120_HELA	60	0.40779173	1.1526644	0.1440501
SWEET_LUNG_CANCER_KRAS_DN	375	0.32272097	1.1516347	0.15682282
REACTOME_TRANSMISSION_ACROSS	128	0.37608746	1.1505253	0.27484143
BIOCARTA_NFAT_PATHWAY	53	0.4140322	1.150463	0.19277108
GU_PDEF_TARGETS_UP	68	0.35580167	1.150355	0.14734773
BIOCARTA_PPARA_PATHWAY	53	0.38170183	1.1497239	0.18548387
DACOSTA_UV_RESPONSE_VIA_ERCC	60	0.44168228	1.1491199	0.16764133
LINDGREN_BLADDER_CANCER_CLUS	361	0.34920135	1.1486058	0.3299595
THUM_SYSTOLIC_HEART_FAILURE_D	204	0.37255386	1.1485217	0.20558882
KEGG_HEDGEHOG_SIGNALING_PATH	53	0.3965562	1.1465054	0.30664062
KEGG_NEUROTROPHIN_SIGNALING_	122	0.36269733	1.14565	0.20454545
MCLACHLAN_DENTAL_CARIES_UP	200	0.33512148	1.145268	0.10315789
BROCKE_APOPTOSIS_REVERSED_BY_	129	0.3580366	1.141388	0.29961088
KEGG_GLIOMA	63	0.38326266	1.1347499	0.23175965
CADWELL_ATG16L1_TARGETS_UP	77	0.3463892	1.1329441	0.16666667
MASSARWEH_TAMOXIFEN_RESISTAN	216	0.32267812	1.1310253	0.13235295

BROWNE_HCMV_INFECTION_30MIN	52	0.3929653	1.1301934	0.23140496
LEE_LIVER_CANCER_CIPROFIBRATE_	64	0.41181433	1.1284692	0.23541667
SASSON_RESPONSE_TO_GONADOTF	68	0.34594	1.1273862	0.2387755
BROWNE_HCMV_INFECTION_10HR_	96	0.3505007	1.126895	0.22266401
VART_KSHV_INFECTION_ANGIOGEN	161	0.3352563	1.1267769	0.28542915
RODRIGUES_THYROID_CARCINOMA_	451	0.31601313	1.1265513	0.22406639
KAYO_CALORIE_RESTRICTION_MUSC	66	0.36511657	1.1237798	0.20328543
LEE_LIVER_CANCER_MYC_DN	57	0.3844479	1.1237129	0.2851485
ZHAN_MULTIPLE_MYELOMA_CD1_A	74	0.3861021	1.1230007	0.2548638
HAHTOLA_MYCOSIS_FUNGOIDES_CI	62	0.38715437	1.1221932	0.26987448
REACTOME_P75_NTR_RECEPTOR_M	80	0.40357912	1.1217499	0.22453223
DAZARD_RESPONSE_TO_UV_NHEK_	234	0.45494655	1.1191416	0.35992217
SENESE_HDAC1_AND_HDAC2_TARG	206	0.29841807	1.1185673	0.13333334
GRAHAM_CML_DIVIDING_VS_NORM	88	0.3654781	1.1179024	0.24609375
YAGI_AML_FAB_MARKERS	179	0.3282183	1.1169182	0.15714286
KEGG_ENDOCYTOSIS	158	0.3748256	1.1167022	0.27136752
KEGG_BASAL_CELL_CARCINOMA	53	0.38822937	1.1158081	0.2827443
XU_HGF_TARGETS_REPRESSED_BY_A	71	0.37878585	1.1152025	0.24190065
TAKEDA_TARGETS_OF_NUP98_HOXA	171	0.31649512	1.114698	0.21062993
KEGG_INSULIN_SIGNALING_PATHWA	131	0.37392858	1.1125729	0.19870411
BROWNE_HCMV_INFECTION_6HR_U	64	0.35099256	1.1116118	0.22268042
WAMUNYOKOLI_OVARIAN_CANCER_	168	0.41026217	1.1112523	0.30710173
GRADE_COLON_AND_RECTAL_CANC	76	0.3745549	1.1106257	0.21703854
KEGG_FC_GAMMA_R_MEDIATED_P	87	0.36500072	1.1105838	0.24074075
REACTOME_TOLL_LIKE_RECEPTOR_3	55	0.4099486	1.10832	0.2262931
BONOME_OVARIAN_CANCER_SURV	457	0.35076845	1.1078565	0.21505377
WEIGEL_OXIDATIVE_STRESS_BY_HN	53	0.4172019	1.1066067	0.30607966
KANG_IMMORTALIZED_BY_TERT_DN	101	0.34828216	1.1057116	0.2173913
HATADA_METHYLATED_IN_LUNG_C	323	0.32235232	1.1022075	0.3109756
BIDUS_METASTASIS_DN	131	0.40525073	1.099161	0.19396552
LINDGREN_BLADDER_CANCER_CLUS	197	0.31677142	1.0991374	0.26077586
RUTELLA_RESPONSE_TO_HGF_DN	213	0.34275195	1.0965414	0.19126819
RICKMAN_TUMOR_DIFFERENTIATED	205	0.32823905	1.0965014	0.251938
TONKS_TARGETS_OF_RUNX1_RUNX	52	0.3955758	1.0958911	0.21856867
LU_AGING_BRAIN_DN	236	0.34327164	1.0953928	0.26223093
AMUNDSON_RESPONSE_TO_ARSEN	178	0.34234342	1.09014	0.3806706
STEIN_ESRRA_TARGETS_DN	93	0.3073778	1.089157	0.20159681
TURASHVILI_BREAST_LOBULAR_CAR	62	0.32852843	1.0887614	0.20283976
BILD_SRC_ONCOGENIC_SIGNATURE	55	0.42858905	1.0882602	0.29310346
BLALOCK_ALZHEIMERS_DISEASE_INC	358	0.28850436	1.0880213	0.22745901
DOANE_RESPONSE_TO_ANDROGEN_	226	0.3230206	1.0877495	0.23260869

RUTELLA_RESPONSE_TO_HGF_VS_C	230	0.3119705	1.0873144	0.28865978
BROWNE_HCMV_INFECTION_4HR_U	53	0.38504657	1.0857345	0.34122288
REACTOME_IRS_RELATED_EVENTS	74	0.35144776	1.0850166	0.32304525
KEGG_ARRHYTHMOGENIC_RIGHT_V	73	0.3336918	1.0833889	0.3146998
KEGG_LYSOSOME	115	0.4522363	1.0826173	0.31769723
MOREAUX_MULTIPLE_MYELOMA_B	348	0.3448393	1.0793391	0.30703625
REACTOME_NEURORANSMITTER_RE	82	0.34014452	1.0792315	0.39019188
DAZARD_UV_RESPONSE_CLUSTER_G	111	0.4601421	1.0790933	0.38003838
REACTOME_CELL_SURFACE_INTERA	94	0.354557	1.078962	0.24901186
HAN_SATB1_TARGETS_DN	309	0.33785033	1.0766716	0.38607594
CAIRO_HEPATOBLASTOMA_CLASSES	190	0.3608829	1.0763242	0.36460555
IVANOVA_HEMATOPOIESIS_STEM_C	73	0.33829823	1.0751115	0.23673469
TAKEDA_TARGETS_OF_NUP98_HOX	78	0.38613507	1.0743943	0.38353413
IZADPANAH_STEM_CELL_ADIPOSE_	98	0.3427729	1.073423	0.24063116
WANG_LMO4_TARGETS_UP	308	0.28583038	1.0710001	0.21663442
HADDAD_T_LYMPHOCYTE_AND_NK	75	0.3680651	1.0688589	0.27272728
TAKEDA_TARGETS_OF_NUP98_HOX	182	0.32860756	1.0678092	0.28370222
KIM_WT1_TARGETS_8HR_UP	157	0.32599878	1.066548	0.3616601
TURASHVILI_BREAST_LOBULAR_CAR	86	0.3458034	1.0659101	0.39884394
ONDER_CDH1_TARGETS_2_DN	432	0.29789165	1.0655122	0.3081511
NIKOLSKY_BREAST_CANCER_20Q12_	125	0.38901845	1.0646172	0.39751554
SENESE_HDAC1_AND_HDAC2_TARG	211	0.30037293	1.064082	0.27494907
WANG_CISPLATIN_RESPONSE_AND_	131	0.36712894	1.0600071	0.31556502
KEGG_RENAL_CELL_CARCINOMA	69	0.3714853	1.0598243	0.4367589
WANG_ESOPHAGUS_CANCER_VS_N	81	0.4112478	1.0589694	0.34773663
EBAUER_TARGETS_OF_PAX3_FOXO1	189	0.31038457	1.058596	0.37768242
FERREIRA_EWINGS_SARCOMA_UNS	85	0.4616447	1.0575894	0.4904051
HELLER_SILENCED_BY_METHYLATIO	238	0.30179504	1.0568818	0.36421052
RIGGINS_TAMOXIFEN_RESISTANCE_	197	0.33098996	1.0560753	0.33587787
BERENJENO_TRANSFORMED_BY_RH	337	0.3371288	1.0537398	0.31982943
LE_EGR2_TARGETS_DN	96	0.33263463	1.0528522	0.35123968
KEGG_COLORECTAL_CANCER	61	0.37690282	1.0512284	0.39138943
MASSARWEH_TAMOXIFEN_RESISTA	498	0.31207564	1.0509264	0.2485323
YAGI_AML_WITH_INV_16_TRANSLO	389	0.27604577	1.0502065	0.21311475
ONDER_CDH1_SIGNALING_VIA_CTN	72	0.30167496	1.0494354	0.3627451
TONKS_TARGETS_OF_RUNX1_RUNX	179	0.35654694	1.0489032	0.35607675
THUM_SYSTOLIC_HEART_FAILURE_U	383	0.3374246	1.0484829	0.25244617
HUTTMANN_B_CLL_POOR_SURVIVA	257	0.38320005	1.0482906	0.42616034
LEE_TARGETS_OF_PTCH1_AND_SUF	73	0.3174769	1.0474081	0.36956522
TAYLOR_METHYLATED_IN_ACUTE_L	62	0.3172251	1.0463265	0.43021032
SCHLOSSER_SERUM_RESPONSE_UP	122	0.40326366	1.0459418	0.44906446

KEGG_DILATED_CARDIOMYOPATHY	89	0.32212374	1.0444894	0.30443975
KEGG_VASCULAR_SMOOTH_MUSCL	110	0.28405514	1.0444667	0.31434184
BEIER_GLIOMA_STEM_CELL_DN	56	0.38491148	1.0432105	0.4064516
MCCLUNG_CREB1_TARGETS_UP	85	0.34101045	1.0430443	0.39569893
MORI_SMALL_PRE_BII_LYMPHOCYT	56	0.35606205	1.0422119	0.42094457
SEKI_INFLAMMATORY_RESPONSE_L	71	0.34854952	1.041889	0.41598362
REACTOME_REGULATION_OF_LIPID_	54	0.35217595	1.0416139	0.37575758
ZHANG_BREAST_CANCER_PROGENIT	125	0.329018	1.0409758	0.40416667
RICKMAN_HEAD_AND_NECK_CANCE	85	0.28228292	1.0399145	0.31176472
REACTOME_CENTROSOME_MATURA	64	0.37469113	1.0393798	0.4078675
VART_KSHV_INFECTION_ANGIOGEN	131	0.31880403	1.0381992	0.3395445
ROSS_LEUKEMIA_WITH_MLL_FUSIO	72	0.3246643	1.0371605	0.3249476
PICCALUGA_ANGIOIMMUNOBLASTIC	192	0.28367025	1.0365236	0.35658914
LENAOUR_DENDRITIC_CELL_MATUR	88	0.33506662	1.0363197	0.39914164
CHIARADONNA_NEOPLASTIC_TRANS	106	0.30789673	1.0350902	0.43796992
ASTON_MAJOR_DEPRESSIVE_DISOR	149	0.2788244	1.0343875	0.31712472
CHARAFE_BREAST_CANCER_LUMINA	387	0.36847076	1.0325224	0.4362851
IVANOVA_HEMATOPOIESIS_MATUR	85	0.34820563	1.0323967	0.38217822
MCBRYAN_PUBERTAL_BREAST_4_5\	225	0.2754534	1.0302092	0.38477802
BROWNE_HCMV_INFECTION_24HR_	136	0.2870174	1.0293595	0.37142858
SHAFFER_IRF4_TARGETS_IN_PLASM	64	0.36614472	1.0279773	0.37044534
NAGASHIMA_NRG1_SIGNALING_UP	157	0.31716996	1.0277357	0.2611336
YAO_TEMPORAL_RESPONSE_TO_PR	63	0.33782175	1.0271956	0.3814433
BROWNE_HCMV_INFECTION_10HR_	52	0.37520814	1.0266947	0.38551858
BROWNE_HCMV_INFECTION_4HR_D	230	0.32830152	1.0262395	0.44444445
BROWNE_HCMV_INFECTION_18HR_	165	0.32409585	1.0259099	0.4328063
FOSTER_INFLAMMATORY_RESPONS	134	0.30127972	1.0249763	0.37651822
SANA_TNF_SIGNALING_DN	74	0.30996063	1.0228864	0.4939759
OKUMURA_INFLAMMATORY_RESPC	167	0.2740544	1.0220658	0.3936842
REACTOME_SEMAPHORIN_INTERAC	63	0.30061415	1.0218022	0.31610337
BASSO_CD40_SIGNALING_UP	91	0.41903967	1.0207855	0.4064516
CORRE_MULTIPLE_MYELOMA_UP	58	0.29731745	1.0207154	0.37006238
CHIARETTI_ACUTE_LYMPHOBLASTIC	62	0.3877758	1.0206375	0.42332613
TAKEDA_TARGETS_OF_NUP98_HOX/	131	0.2895198	1.0192989	0.42574257
SENESE_HDAC3_TARGETS_UP	460	0.3409386	1.0185231	0.42857143
MENSE_HYPOXIA_UP	81	0.3596628	1.01822	0.39676112
BROWNE_HCMV_INFECTION_30MIN	133	0.31292805	1.0170729	0.42828685
CHEMNITZ_RESPONSE_TO_PROSTAC	313	0.27587658	1.0156329	0.31944445
REACTOME_SLC_MEDIATED_TRANSI	162	0.2991203	1.0149838	0.4311377
OSWALD_HEMATOPOIETIC_STEM_C	207	0.29963133	1.014494	0.50870407
OSWALD_HEMATOPOIETIC_STEM_C	207	0.29963133	1.014494	0.50870407

SHEDDEN_LUNG_CANCER_GOOD_SI	280	0.30375057	1.014059	0.47741935
KEGG_MELANOGENESIS	98	0.28652224	1.0139173	0.37964776
REACTOME_LOSS_OF_NLP_FROM_M	57	0.35206157	1.0135851	0.40451744
THEILGAARD_NEUTROPHIL_AT_SKIN	69	0.34726304	1.0122912	0.41700405
FONTAINE_PAPILLARY_THYROID_CA	65	0.32279894	1.0119041	0.39019188
DIAZ_CHRONIC_MEYLOGENOUS_LEU	110	0.34436154	1.0099543	0.454
YAUCH_HEDGEHOG_SIGNALING_PA	119	0.26579952	1.0091696	0.42626262
CHENG_IMPRINTED_BY_ESTRADIOL	98	0.31309626	1.0076854	0.49137932
COATES_MACROPHAGE_M1_VS_M2	56	0.3346964	1.0072129	0.48670757
KEGG_ADHERENS_JUNCTION	73	0.34026745	1.0069637	0.37524557
FOSTER_INFLAMMATORY_RESPONS	336	0.29577386	1.0068642	0.5
MCBRYAN_PUBERTAL_BREAST_6_7\	166	0.30296052	1.0065808	0.45526838
LEE_METASTASIS_AND_ALTERNATIV	71	0.3374341	1.0056792	0.43632567
SATO_SILENCED_BY_METHYLATION_	394	0.3092124	1.0029159	0.42765957
FONTAINE_PAPILLARY_THYROID_CA	58	0.2948412	1.0020891	0.42436975
REACTOME_OPIOID_SIGNALLING	81	0.30405745	1.0020766	0.45530146
REACTOME_SIGNALING_IN_IMMUN	322	0.32449198	1.0017958	0.45182014
RICKMAN_HEAD_AND_NECK_CANCE	98	0.3071285	0.99969095	0.43907562
CHIANG_LIVER_CANCER_SUBCLASS_	143	0.29626858	0.99885076	0.51012146
LEE_LIVER_CANCER_MYC_E2F1_DN	60	0.3722807	0.9967902	0.42505133
NAKAYAMA_SOFT_TISSUE_TUMORS	71	0.3002325	0.9960593	0.3935743
SASSON_RESPONSE_TO_GONADOTF	65	0.343255	0.99283195	0.42505133
GINESTIER_BREAST_CANCER_20Q13	96	0.33263922	0.9911753	0.46242774
REACTOME_RNA_POLYMERASE_I_PI	69	0.3086931	0.9909287	0.41666666
GRESHOCK_CANCER_COPY_NUMBEI	323	0.3070305	0.9904384	0.5155642
ZHANG_TARGETS_OF_EWSR1_FLI1_	82	0.3247644	0.9889967	0.5193133
BIOCARTA_HIVNEF_PATHWAY	55	0.30862254	0.98896223	0.50101835
RHEIN_ALL_GLUCOCORTICOID_THEF	72	0.28089088	0.98864985	0.40880504
DAVICIONI_RHABDOMYOSARCOMA_	61	0.30792215	0.98833054	0.5165289
MCBRYAN_PUBERTAL_BREAST_3_4\	176	0.2858824	0.98815536	0.39235413
COULOUARN_TEMPORAL_TGFB1_SI	84	0.39833817	0.9880056	0.62818
GOLDRATH_IMMUNE_MEMORY	54	0.33363748	0.9857638	0.45770064
LEE_NEURAL_CREST_STEM_CELL_UP	140	0.296312	0.9854703	0.4460888
NIKOLSKY_BREAST_CANCER_8P12_P	51	0.31296936	0.98420274	0.41894737
NAKAYAMA_SOFT_TISSUE_TUMORS	76	0.2855274	0.9839324	0.48232847
BROWNE_HCMV_INFECTION_14HR_	144	0.29999906	0.9801808	0.4717742
BOYAULT_LIVER_CANCER_SUBCLASS	58	0.32345894	0.97988546	0.3768421
RUTELLA_RESPONSE_TO_CSF2RB_AI	281	0.2814139	0.978447	0.50319827
COATES_MACROPHAGE_M1_VS_M2	59	0.34094274	0.9782006	0.5233266
ENGELMANN_CANCER_PROGENITOI	61	0.2980492	0.97810787	0.47291666
REACTOME_HEMOSTASIS	262	0.2689123	0.977091	0.49380165

ZHANG_RESPONSE_TO_IKK_INHIBIT	94	0.3033442	0.9768533	0.5267327
URS_ADIPOCYTE_DIFFERENTIATION_	59	0.33662495	0.9753253	0.5010707
HAHTOLA_MYCOSIS_FUNGOIDES_SK	161	0.2861199	0.9742423	0.63983905
LINDSTEDT_DENDRITIC_CELL_MATU	55	0.3241166	0.9739135	0.4055794
BROWNE_HCMV_INFECTION_12HR_	100	0.30128133	0.97324675	0.49315068
GRESHOCK_CANCER_COPY_NUMBEI	308	0.31035733	0.9732012	0.54247105
SABATES_COLORECTAL_ADENOMA_	262	0.2593522	0.9730176	0.43222004
KAYO_AGING_MUSCLE_UP	177	0.28354374	0.97145784	0.4877551
DELYS_THYROID_CANCER_DN	206	0.26441735	0.9701128	0.5137795
MARKEY_RB1_CHRONIC_LOF_DN	96	0.34707427	0.9698883	0.43383947
TURASHVILI_BREAST_DUCTAL_CARC	180	0.28595066	0.9668552	0.48425198
MULLIGHAN_MLL_SIGNATURE_1_DI	221	0.25591087	0.96614933	0.5051975
DEBIASI_APOPTOSIS_BY_REOVIRUS_	222	0.3382863	0.96609133	0.6144814
WEST_ADRENOCORTICAL_TUMOR_I	495	0.32190958	0.9653423	0.5586354
MAHAJAN_RESPONSE_TO_IL1A_UP	64	0.30495495	0.96332985	0.56646216
MASSARWEH_RESPONSE_TO_ESTRA	53	0.31130135	0.9612613	0.54633206
CHIANG_LIVER_CANCER_SUBCLASS_	63	0.34022743	0.96088845	0.57051283
IVANOVA_HEMATOPOIESIS_STEM_C	183	0.25867727	0.9607133	0.5502092
CHARAFE_BREAST_CANCER_BASAL_	109	0.3409062	0.9583383	0.52903223
LAIHO_COLORECTAL_CANCER_SERR	103	0.29254526	0.95768005	0.5777311
REACTOME_INNATE_IMMUNITY_SIG	105	0.33456513	0.9574215	0.626327
REACTOME_TOLL_RECEPTOR_CASCA	82	0.34040293	0.9547298	0.62236285
WATANABE_RECTAL_CANCER_RADI	98	0.26718062	0.9543686	0.55424064
SIG_PIP3_SIGNALING_IN_CARDIAC_I	63	0.28746653	0.95365447	0.4785276
LI_WILMS_TUMOR_VS_FETAL_KIDN	173	0.2898956	0.9534966	0.60749507
BROWNE_HCMV_INFECTION_20HR_	106	0.31436417	0.95321935	0.4488189
PYEON_HPV_POSITIVE_TUMORS_UP	73	0.39330927	0.95303154	0.6019608
KEGG_CYTOKINE_CYTOKINE_RECEPT	245	0.2611456	0.9528427	0.5419355
GOTTWEIN_TARGETS_OF_KSHV_MII	53	0.32693282	0.95191497	0.5852156
IWANAGA_CARCINOGENESIS_BY_KR	94	0.27387667	0.948852	0.57575756
LIN_NPAS4_TARGETS_UP	123	0.31159285	0.94877946	0.6143411
KEGG_LONG_TERM_POTENTIATION	68	0.30138555	0.9481255	0.5883534
HOFFMANN_PRE_BI_TO_LARGE_PRI	53	0.3354312	0.9479333	0.60714287
WALLACE_PROSTATE_CANCER_RACI	71	0.2857669	0.94780564	0.60229445
KEGG_LEISHMANIA_INFECTION	62	0.31393185	0.94757956	0.64853555
YOSHIOKA_LIVER_CANCER_EARLY_R	52	0.3247331	0.94694376	0.52978724
TIEN_INTESTINE_PROBIOTICS_24HR_	197	0.29160067	0.94533086	0.5264188
CONCANNON_APOPTOSIS_BY_EPOX	213	0.29683164	0.9452435	0.4676409
KEGG_ADIPOCYTOKINE_SIGNALING_	66	0.331484	0.944571	0.6293996
AMIT_SERUM_RESPONSE_120_MCF	61	0.31231058	0.94353896	0.47280335
SMID_BREAST_CANCER_NORMAL_L	438	0.30771172	0.9425362	0.5153374

KEGG_HYPERTROPHIC_CARDIOMYO	82	0.28696188	0.94249713	0.5878661
HOQUE_METHYLATED_IN_CANCER	54	0.31285623	0.94039094	0.583682
HUTTMANN_B_CLL_POOR_SURVIVA	58	0.3525089	0.9398471	0.48956355
WNT_SIGNALING	87	0.282412	0.938912	0.61523044
SASSON_RESPONSE_TO_FORSKOLIN	66	0.33121288	0.9377694	0.52244896
BRUECKNER_TARGETS_OF_MIRLET7	103	0.2712521	0.9363663	0.667319
KEGG_P53_SIGNALING_PATHWAY	65	0.33354774	0.9336085	0.62167686
REACTOME_INORGANIC_CATION_AI	91	0.3025401	0.9333219	0.56512606
REACTOME_FORMATION_OF_PLATE	174	0.2565168	0.93301517	0.60493827
WILCOX_PRESPONSE_TO_ROGESTEF	59	0.31674287	0.93284	0.607767
TIEN_INTESTINE_PROBIOTICS_2HR_I	79	0.3194391	0.9326134	0.57338554
REACTOME_PLATELET_ACTIVATION	155	0.25813422	0.93223447	0.5962733
LANDIS_ERBB2_BREAST_TUMORS_3	126	0.3049437	0.93210965	0.62139916
GARGALOVIC_RESPONSE_TO_OXIDIZ	61	0.2975809	0.9314793	0.49686846
BROWNE_HCMV_INFECTION_48HR_	461	0.2673683	0.9300536	0.6567164
GAUSSMANN_MLL_AF4_FUSION_TA	75	0.23400703	0.9292734	0.6437247
DAVICIONI_TARGETS_OF_PAX_FOXC	63	0.35452753	0.927207	0.59884834
KOKKINAKIS_METHIONINE_DEPRIVA	117	0.2839384	0.9268913	0.6131687
REACTOME_REGULATION_OF_INSUI	60	0.3265495	0.9261685	0.5769231
GARY_CD5_TARGETS_UP	427	0.3041211	0.9243785	0.5567452
GERY_CEBP_TARGETS	109	0.27731848	0.9241079	0.64300203
WOO_LIVER_CANCER_RECURRENCE	98	0.2581275	0.92331994	0.6545454
LIAO_METASTASIS	475	0.3058694	0.9220995	0.6609442
MCCABE_BOUND_BY_HOXC6	346	0.25079516	0.9217426	0.61875
WU_CELL_MIGRATION	168	0.27069712	0.9192638	0.69960475
SHEN_SMARCA2_TARGETS_DN	318	0.26349404	0.91814643	0.58773786
LIN_MELANOMA_COPY_NUMBER_U	65	0.29290843	0.9181389	0.64179105
KEGG_SYSTEMIC_LUPUS_ERYTHEMA	107	0.2785009	0.9178562	0.4915254
TAKEDA_TARGETS_OF_NUP98_HOX	142	0.269254	0.9173712	0.69758064
MORI_MATURE_B_LYMPHOCYTE_UI	67	0.33671778	0.915337	0.592955
RUTELLA_RESPONSE_TO_CSF2RB_AI	315	0.25264636	0.9151177	0.68958336
FALVELLA_SMOKERS_WITH_LUNG_C	66	0.33511114	0.9146422	0.60687023
JAZAG_TGFB1_SIGNALING_VIA_SMA	60	0.31935957	0.9137758	0.5983087
DACOSTA_UV_RESPONSE_VIA_ERCC	371	0.37084475	0.9124249	0.5549133
DIRMEIER_LMP1_RESPONSE_EARLY	51	0.33529842	0.911953	0.6172043
FLECHNER_PBL_KIDNEY_TRANSPLAN	57	0.3503168	0.91056216	0.69617707
GOZGIT_ESR1_TARGETS_UP	131	0.27527317	0.90958756	0.5862069
MULLIGHAN_MLL_SIGNATURE_2_DI	254	0.24713755	0.90906996	0.81086516
BILD_CTNNB1_ONCOGENIC_SIGNAT	66	0.3382868	0.9082447	0.52975047
REACTOME_GOLGI_ASSOCIATED_VE	51	0.3369234	0.90715235	0.70883536
ACEVEDO_LIVER_CANCER_WITH_H3	233	0.2559195	0.9071124	0.71705425

TURASHVILI_BREAST_LOBULAR_CAR	86	0.24815214	0.90565896	0.6368932
MCBRYAN_PUBERTAL_BREAST_5_6\	99	0.26627815	0.905175	0.6720322
KEGG_COMPLEMENT_AND_COAGUI	66	0.29552883	0.90138906	0.5
ACEVEDO_LIVER_CANCER_WITH_H3	92	0.318561	0.900944	0.5852713
MCBRYAN_PUBERTAL_BREAST_5_6\	111	0.2796627	0.90046275	0.6269531
HELLER_SILENCED_BY_METHYLATIO	93	0.29394054	0.89953244	0.49183673
REACTOME_CLATHRIN_DERIVED_VE	58	0.3354593	0.8988894	0.7429719
REACTOME_GPCR_LIGAND_BINDINC	347	0.24133931	0.8970561	0.64065707
KEGG_CELL_ADHESION_MOLECULES	125	0.33530375	0.8960414	0.6147541
CHIANG_LIVER_CANCER_SUBCLASS_	140	0.24745788	0.89586544	0.6489152
RODWELL_AGING_KIDNEY_NO_BLO	136	0.31513518	0.89466554	0.63752663
DACOSTA_UV_RESPONSE_VIA_ERCC	63	0.3558879	0.89430606	0.63829786
DAVICIONI_PAX_FOXO1_SIGNATURE	51	0.31487313	0.893724	0.59026366
GINESTIER_BREAST_CANCER_20Q13	152	0.29305884	0.8922483	0.5961945
MARTINEZ_TP53_TARGETS_UP	500	0.2527506	0.8917144	0.78701824
SHEPARD_BMYB_MORPHOLINO_DN	155	0.29519603	0.8909371	0.6969697
OSMAN_BLADDER_CANCER_UP	348	0.2938167	0.8890761	0.69803923
XU_GH1_EXOGENOUS_TARGETS_DN	91	0.25217494	0.88736016	0.7758985
JIANG_HYPOXIA_NORMAL	203	0.29492652	0.8865789	0.6268344
CHIARADONNA_NEOPLASTIC_TRANS	130	0.3187439	0.88637656	0.56751055
COULOUARN_TEMPORAL_TGFB1_SI	116	0.28637782	0.88433474	0.6820084
KEGG_PROGESTERONE_MEDIATED_	82	0.30560413	0.8833731	0.62753034
KLEIN_PRIMARY_EFFUSION_LYMPHC	53	0.30923107	0.8803885	0.6923077
REACTOME_CLASS_B2_SECRETIN_FA	79	0.31469798	0.88037163	0.6048565
ZHOU_INFLAMMATORY_RESPONSE_	246	0.2860389	0.88016015	0.7068607
MARTINEZ_RB1_AND_TP53_TARGET	500	0.2469803	0.87684894	0.6646586
BORCZUK_MALIGNANT_MESOTHELI	90	0.29277793	0.8755655	0.57894737
SHEPARD_BMYB_TARGETS	60	0.31156945	0.87230635	0.67722774
MILI_PSEUDOPODIA_CHEMOTAXIS_	392	0.26833358	0.87190425	0.7388535
MONNIER_POSTRADIATION_TUMOR	286	0.28010297	0.8714158	0.71308017
RODWELL_AGING_KIDNEY_UP	308	0.30542412	0.8703365	0.59528905
ROSS_AML_WITH_MLL_FUSIONS	73	0.28873077	0.8689296	0.6603774
MCMURRAY_TP53_HRAS_COOPERA	62	0.27647632	0.86861634	0.6360153
REACTOME_TELOMERE_MAINTENAI	64	0.30765522	0.86587244	0.6979167
SHEN_SMARCA2_TARGETS_UP	359	0.38265043	0.86188954	0.64285713
NIKOLSKY_BREAST_CANCER_7Q21_C	61	0.27296764	0.8611576	0.8032787
FIRESTEIN_PROLIFERATION	154	0.2539844	0.8593694	0.9204082
KYNG_DNA_DAMAGE_UP	96	0.2575145	0.8592532	0.7366255
MCBRYAN_PUBERTAL_BREAST_6_7\	62	0.28534576	0.85624945	0.7406639
HAN_SATB1_TARGETS_UP	284	0.2530252	0.8552107	0.7944112
FLECHNER_BIOPSY_KIDNEY_TRANSP	81	0.34519768	0.85472494	0.6738197

CROONQUIST_NRAS_VS_STROMAL_	74	0.29143515	0.85081345	0.7672065
RICKMAN_HEAD_AND_NECK_CANCE	83	0.29440653	0.8497076	0.7579618
REACTOME_BIOLOGICAL_OXIDATIOI	113	0.2752495	0.84923214	0.79317695
DAIRKEE_TERT_TARGETS_DN	80	0.2801108	0.8490168	0.7411765
AMIT_EGF_RESPONSE_480_HELA	144	0.30013186	0.84815085	0.6624473
RICKMAN_HEAD_AND_NECK_CANCE	52	0.25383765	0.84643227	0.76875
REACTOME_CELL_JUNCTION_ORGAI	78	0.26818278	0.8463407	0.86262625
LINDGREN_BLADDER_CANCER_CLUS	111	0.2712056	0.8437166	0.7069307
JI_RESPONSE_TO_FSH_UP	52	0.28265136	0.8430939	0.906639
OUELLET_CULTURED_OVARIAN_CAN	68	0.28235033	0.8426254	0.75456387
WATANABE_COLON_CANCER_MSI_\	64	0.29357615	0.83966434	0.69625247
KEGG_TGF_BETA_SIGNALING_PATH\	82	0.2532571	0.83694917	0.8765182
FERRANDO_T_ALL_WITH_MLL_ENL_	71	0.2808284	0.8341173	0.8466387
CREIGHTON_ENDOCRINE_THERAPY_	370	0.2507513	0.8335505	0.6481481
REACTOME_TCR_SIGNALING	57	0.336203	0.8329772	0.68653846
GAZDA_DIAMOND_BLACKFAN_ANEI	417	0.26336882	0.83275133	0.8160173
LEE_LIVER_CANCER_ACOX1_UP	59	0.2827584	0.83094305	0.78131634
CERVERA_SDHB_TARGETS_1_UP	98	0.2825995	0.83079684	0.8301075
BENPORATH_ES_CORE_NINE_CORRE	97	0.249256	0.8295484	0.8873239
TCGA_GLIOBLASTOMA_COPY_NUMI	65	0.30796093	0.8272346	0.8476954
MULLIGHAN_MLL_SIGNATURE_2_UI	382	0.29518405	0.8268195	0.8137045
CAMPS_COLON_CANCER_COPY_NUI	69	0.26330727	0.82423455	0.87763715
WANG_ESOPHAGUS_CANCER_VS_N	106	0.28124565	0.82397944	0.7668067
MARTORIATI_MDM4_TARGETS_FET/	250	0.25609598	0.8235843	0.8551859
AMIT_SERUM_RESPONSE_60_MCF1	54	0.28104696	0.8230121	0.751434
WELCSH_BRCA1_TARGETS_1_UP	160	0.25963593	0.8225952	0.764
RICKMAN_TUMOR_DIFFERENTIATED	325	0.2699024	0.8217856	0.69857436
CHEBOTAEV_GR_TARGETS_UP	65	0.2709669	0.8195579	0.9055118
RASHI_RESPONSE_TO_IONIZING_RA	73	0.29650927	0.8194116	0.7257384
CORRE_MULTIPLE_MYELOMA_DN	58	0.25575018	0.81622165	0.87573963
KAAB_HEART_ATRIUM_VS_VENTRIC	232	0.28707206	0.8152669	0.7548387
ST_FAS_SIGNALING_PATHWAY	57	0.28404966	0.812999	0.79193205
ACEVEDO_NORMAL_TISSUE_ADJACE	150	0.24408221	0.81151646	0.82738096
TANAKA_METHYLATED_IN_ESOPHA(	91	0.25517306	0.81027764	0.7773196
SENGUPTA_NASOPHARYNGEAL_CAR	285	0.23897475	0.81008893	0.90618336
UEDA_CENTRAL_CLOCK	79	0.2622952	0.8087872	0.81762296
REACTOME_G2_M_TRANSITION	76	0.29726198	0.8083704	0.7464213
PASQUALUCCI_LYMPHOMA_BY_GC_	240	0.24775794	0.8076936	0.9435484
CADWELL_ATG16L1_TARGETS_DN	53	0.24926685	0.8050452	0.849711
CHIARADONNA_NEOPLASTIC_TRANS	112	0.28393432	0.80485696	0.8792079
LEE_LIVER_CANCER_E2F1_DN	57	0.3009489	0.8046126	0.78435516

REACTOME_GLUCOSE_AND_OTHER_	78	0.2777374	0.80409926	0.85265225
BENPORATH_NOS_TARGETS	156	0.2629447	0.8018954	0.8007663
DEBIASI_APOPTOSIS_BY_REOVIRUS_	205	0.28151885	0.80093884	0.76842105
NIKOLSKY_BREAST_CANCER_8Q23_(	134	0.30540022	0.80013347	0.5897436
NELSON_RESPONSE_TO_ANDROGEN	76	0.264534	0.79996645	0.7917526
BROWNE_HCMV_INFECTION_18HR_	163	0.25987056	0.7980771	0.8821053
REACTOME_CLASS_A1_RHODOPSIN_	254	0.20290774	0.79349124	0.91848904
REACTOME_MEMBRANE_TRAFFICKI	74	0.28971267	0.79197615	0.94578314
TIEN_INTESTINE_PROBIOTICS_6HR_I	150	0.2597132	0.78689307	0.84232366
DE_YY1_TARGETS_DN	84	0.3233339	0.7867374	0.76447874
KEGG_METABOLISM_OF_XENOBIOT	60	0.2626595	0.78600067	0.7177419
HAMAI_APOPTOSIS_VIA_TRAIL_DN	123	0.2863232	0.78550804	0.68619245
YAGI_AML_WITH_11Q23_REARRAN(	332	0.2404963	0.78438604	0.91260165
CASTELLANO_NRAS_TARGETS_UP	58	0.2846987	0.78190184	0.8816326
TURASHVILI_BREAST_DUCTAL_CARC	64	0.27751747	0.7804712	0.7523992
REACTOME_G_ALPHA_Q_SIGNALLIN	140	0.2149569	0.77585155	0.93361884
SHEPARD_CRUSH_AND_BURN_MUT	146	0.24829343	0.7755922	0.78137654
SABATES_COLORECTAL_ADENOMA_	124	0.22996187	0.7749905	0.96842104
HUANG_DASATINIB_RESISTANCE_UI	74	0.27022624	0.77349275	0.8722555
KANG_IMMORTALIZED_BY_TERT_UP	85	0.2227057	0.7732314	0.9107505
ICHIBA_GRAFT_VERSUS_HOST_DISE/	110	0.2537272	0.7723839	0.8568421
CHANDRAN_METASTASIS_UP	73	0.2581657	0.7722989	0.83908045
ACEVEDO_LIVER_TUMOR_VS_NORM	241	0.24436288	0.76877165	0.8939394
KOYAMA_SEMA3B_TARGETS_DN	264	0.22883666	0.76701576	0.96781117
REACTOME_G_ALPHA_I_SIGNALLINC	151	0.22150713	0.7668938	0.8580508
KEGG_DRUG_METABOLISM_CYTOCH	61	0.26710817	0.76661485	0.7966805
BERNARD_PPAPDC1B_TARGETS_DN	51	0.25894463	0.76376814	0.9318182
AMUNDSON_POOR_SURVIVAL_AFTE	81	0.2472766	0.75517416	0.8773389
IGARASHI_ATF4_TARGETS_DN	81	0.28862256	0.75005925	0.9295499
CHARAFE_BREAST_CANCER_LUMINA	405	0.24461153	0.7477649	0.827853
KEGG_EPITHELIAL_CELL_SIGNALING_	62	0.2577934	0.7448317	0.9269777
REACTOME_COSTIMULATION_BY_TH	62	0.2630114	0.74430037	0.81724846
CHARAFE_BREAST_CANCER_LUMINA	406	0.24822828	0.74274343	0.9112426
MULLIGHAN_MLL_SIGNATURE_1_UI	354	0.26784524	0.7411629	0.8669528
SENESE_HDAC1_TARGETS_UP	404	0.25732073	0.7410744	0.9510763
HARRIS_HYPOXIA	79	0.26387277	0.7409238	0.7610063
KIM_RESPONSE_TO_TSA_AND_DECI	124	0.25806186	0.74065006	0.7832618
RICKMAN_METASTASIS_DN	239	0.2744839	0.7398007	0.8231579
IWANAGA_CARCINOGENESIS_BY_KR	134	0.23161595	0.7374404	0.9128713
HUPER_BREAST_BASAL_VS_LUMINA	57	0.2811768	0.7354711	0.805668
STEARMAN_LUNG_CANCER_EARLY_	51	0.245867	0.72974277	0.940552

PYEON_CANCER_HEAD_AND_NECK_	162	0.30066553	0.72623754	0.78805393
REACTOME_INTEGRIN_CELL_SURFAC	80	0.2734687	0.72547406	0.875
GRAHAM_CML_QUIESCENT_VS_NOI	85	0.25790972	0.7231567	0.8702929
YAMASHITA_LIVER_CANCER_STEM_	72	0.22879332	0.72176933	0.9686192
REN_ALVEOLAR_RHABDOMYOSARC(	392	0.24052411	0.7199733	0.96868473
LAU_APOPTOSIS_CDKN2A_UP	55	0.2686193	0.71980715	0.8589212
KEGG_VIRAL_MYOCARDITIS	67	0.2684054	0.71918947	0.8469828
DAZARD_RESPONSE_TO_UV_NHEK_	146	0.25850958	0.7188308	0.82377917
MARTORIATI_MDM4_TARGETS_FET/	90	0.25184676	0.69085133	0.9683544
BLUM_RESPONSE_TO_SALIRASIB_UI	230	0.25615865	0.6840535	0.95606697
LEE_LIVER_CANCER_ACOX1_DN	62	0.28677472	0.68042	0.9456067
JISON_SICKLE_CELL_DISEASE_UP	169	0.24990278	0.6759622	0.9683544
GINESTIER_BREAST_CANCER_ZNF21	275	0.2577377	0.6740856	0.8789809
NAKAYAMA_SOFT_TISSUE_TUMORS	85	0.21723817	0.6660491	0.9435484
HAMAI_APOPTOSIS_VIA_TRAIL_UP	328	0.25483793	0.66603905	0.8585086
REACTOME_IMMUNOREGULATORY_	72	0.30420104	0.6594633	0.8296146
KEGG_GLYCEROPHOSPHOLIPID_MET	65	0.3008476	0.6545679	0.93459916
HOSHIDA_LIVER_CANCER_LATE_REC	65	0.24814317	0.642793	0.9683544
ZHAN_MULTIPLE_MYELOMA_CD1_V	61	0.23742329	0.63728935	0.8983402
LEE_LIVER_CANCER_SURVIVAL_UP	126	0.2325017	0.62524295	0.9275053
KESHELAVA_MULTIPLE_DRUG_RESIS	76	0.2465888	0.61300653	0.96753246
NIKOLSKY_BREAST_CANCER_16P13_	99	0.3087279	0.5874377	0.9275053

FDR q-val	FWER p-val	RANK AT MA	LEADING EDGE
0.8160555	0.252	1558	tags=24%, list=8%, signal=26%
1	0.855	4505	tags=47%, list=22%, signal=60%
1	0.855	5338	tags=45%, list=26%, signal=61%
0.93709844	0.886	2023	tags=28%, list=10%, signal=31%
0.9611517	0.898	3598	tags=41%, list=17%, signal=50%
0.9487064	0.914	3753	tags=50%, list=18%, signal=61%
0.9275164	0.924	2625	tags=33%, list=13%, signal=37%
0.92396384	0.935	4622	tags=45%, list=22%, signal=57%
0.9139193	0.935	3598	tags=39%, list=17%, signal=47%
0.9195182	0.935	2979	tags=28%, list=14%, signal=32%
0.90509427	0.935	4393	tags=42%, list=21%, signal=54%
0.8713794	0.95	3989	tags=34%, list=19%, signal=42%
0.8482097	0.95	4693	tags=36%, list=23%, signal=46%
0.70865256	0.966	4384	tags=31%, list=21%, signal=39%
0.719016	0.966	3503	tags=25%, list=17%, signal=29%
0.70559406	0.966	4032	tags=32%, list=20%, signal=39%
0.667602	0.966	1752	tags=17%, list=8%, signal=18%
0.6529022	0.966	4270	tags=34%, list=21%, signal=42%
0.6816711	0.966	3956	tags=32%, list=19%, signal=40%
0.654573	0.966	1822	tags=19%, list=9%, signal=21%
0.59185064	0.966	4034	tags=36%, list=20%, signal=44%
0.6032912	0.979	4457	tags=37%, list=22%, signal=47%
0.5965214	0.979	4637	tags=32%, list=22%, signal=41%
0.5923852	0.979	4200	tags=40%, list=20%, signal=50%
0.6090417	0.979	4111	tags=35%, list=20%, signal=43%
0.600675	0.979	2067	tags=22%, list=10%, signal=25%
0.59605324	0.979	3539	tags=41%, list=17%, signal=49%
0.5982868	0.979	3677	tags=28%, list=18%, signal=34%
0.59631795	0.979	2613	tags=38%, list=13%, signal=43%
0.5886974	0.979	4115	tags=28%, list=20%, signal=34%
0.5867157	1	4608	tags=42%, list=22%, signal=53%
0.5807079	1	4387	tags=38%, list=21%, signal=47%
0.5740293	1	3432	tags=31%, list=17%, signal=37%
0.57416594	1	1891	tags=24%, list=9%, signal=26%
0.5852472	1	4635	tags=42%, list=22%, signal=54%
0.59097284	1	3867	tags=37%, list=19%, signal=45%
0.58797103	1	2412	tags=25%, list=12%, signal=28%
0.58647037	1	2692	tags=31%, list=13%, signal=36%
0.5803544	1	4286	tags=33%, list=21%, signal=42%
0.58743393	1	6894	tags=47%, list=33%, signal=70%

0.5881151	1	5315	tags=38%, list=26%, signal=51%
0.58384866	1	2900	tags=31%, list=14%, signal=36%
0.5851373	1	3598	tags=39%, list=17%, signal=47%
0.5976704	1	6029	tags=40%, list=29%, signal=56%
0.58807874	1	3682	tags=22%, list=18%, signal=27%
0.5887967	1	4690	tags=41%, list=23%, signal=53%
0.58325946	1	3612	tags=30%, list=17%, signal=36%
0.579298	1	4330	tags=38%, list=21%, signal=48%
0.5754096	1	4227	tags=40%, list=20%, signal=50%
0.5673049	1	3774	tags=30%, list=18%, signal=36%
0.5666431	1	4412	tags=42%, list=21%, signal=53%
0.5650953	1	2318	tags=20%, list=11%, signal=22%
0.56324404	1	5805	tags=32%, list=28%, signal=45%
0.5722912	1	4422	tags=42%, list=21%, signal=53%
0.5954292	1	3270	tags=24%, list=16%, signal=28%
0.5963502	1	2649	tags=31%, list=13%, signal=35%
0.59118336	1	3793	tags=30%, list=18%, signal=36%
0.5901049	1	3657	tags=23%, list=18%, signal=28%
0.58918524	1	3072	tags=27%, list=15%, signal=32%
0.5921412	1	6800	tags=54%, list=33%, signal=80%
0.5971512	1	3318	tags=25%, list=16%, signal=29%
0.59393185	1	3475	tags=29%, list=17%, signal=35%
0.5950509	1	4777	tags=38%, list=23%, signal=50%
0.59200174	1	5021	tags=49%, list=24%, signal=65%
0.589309	1	2935	tags=45%, list=14%, signal=52%
0.59098536	1	5191	tags=45%, list=25%, signal=60%
0.5907466	1	3582	tags=31%, list=17%, signal=38%
0.6031263	1	4407	tags=35%, list=21%, signal=44%
0.6204978	1	4114	tags=22%, list=20%, signal=27%
0.61712295	1	3726	tags=28%, list=18%, signal=34%
0.613948	1	4539	tags=31%, list=22%, signal=40%
0.6102582	1	3202	tags=31%, list=16%, signal=36%
0.60713744	1	3659	tags=25%, list=18%, signal=30%
0.60763484	1	5243	tags=38%, list=25%, signal=51%
0.60586494	1	4975	tags=44%, list=24%, signal=58%
0.60474896	1	4444	tags=23%, list=22%, signal=30%
0.59047467	1	3586	tags=25%, list=17%, signal=30%
0.59333026	1	4885	tags=54%, list=24%, signal=70%
0.59182155	1	5457	tags=38%, list=26%, signal=50%
0.59559304	1	5523	tags=26%, list=27%, signal=35%
0.5923945	1	4045	tags=35%, list=20%, signal=43%

0.5928207	1	4129	tags=36%, list=20%, signal=44%
0.6028582	1	4677	tags=26%, list=23%, signal=33%
0.6013521	1	4448	tags=38%, list=22%, signal=47%
0.6024876	1	3332	tags=30%, list=16%, signal=36%
0.5968579	1	5112	tags=48%, list=25%, signal=64%
0.59422255	1	4759	tags=41%, list=23%, signal=52%
0.5943974	1	5228	tags=39%, list=25%, signal=52%
0.5917541	1	3811	tags=43%, list=18%, signal=53%
0.5920025	1	4578	tags=25%, list=22%, signal=32%
0.5906752	1	3598	tags=34%, list=17%, signal=40%
0.59014744	1	3657	tags=24%, list=18%, signal=29%
0.59324753	1	5743	tags=37%, list=28%, signal=51%
0.59236616	1	6883	tags=17%, list=33%, signal=25%
0.59703034	1	3104	tags=27%, list=15%, signal=31%
0.59695786	1	2647	tags=31%, list=13%, signal=36%
0.5960654	1	4194	tags=14%, list=20%, signal=18%
0.5927591	1	3421	tags=14%, list=17%, signal=17%
0.5906606	1	1831	tags=16%, list=9%, signal=18%
0.588507	1	4451	tags=19%, list=22%, signal=23%
0.5862643	1	6936	tags=36%, list=34%, signal=55%
0.5866264	1	4161	tags=31%, list=20%, signal=38%
0.5843848	1	5057	tags=31%, list=24%, signal=40%
0.58359927	1	5730	tags=33%, list=28%, signal=46%
0.5809397	1	4074	tags=34%, list=20%, signal=42%
0.58154494	1	4082	tags=39%, list=20%, signal=48%
0.5785744	1	3609	tags=27%, list=17%, signal=32%
0.58235854	1	4932	tags=36%, list=24%, signal=47%
0.5848209	1	4747	tags=37%, list=23%, signal=47%
0.58100474	1	5590	tags=47%, list=27%, signal=64%
0.58050853	1	4546	tags=29%, list=22%, signal=37%
0.5797766	1	2987	tags=23%, list=14%, signal=27%
0.5789995	1	3371	tags=26%, list=16%, signal=31%
0.5804931	1	4006	tags=36%, list=19%, signal=44%
0.5762562	1	2104	tags=20%, list=10%, signal=22%
0.5820624	1	3312	tags=50%, list=16%, signal=59%
0.5825581	1	5499	tags=25%, list=27%, signal=33%
0.58542204	1	6675	tags=38%, list=32%, signal=57%
0.5867274	1	5517	tags=22%, list=27%, signal=30%
0.5867536	1	4528	tags=32%, list=22%, signal=41%
0.58476967	1	4948	tags=42%, list=24%, signal=55%
0.5882544	1	4636	tags=46%, list=22%, signal=59%

0.5886868	1	3788	tags=28%, list=18%, signal=34%
0.5867218	1	5747	tags=39%, list=28%, signal=54%
0.59378177	1	3926	tags=36%, list=19%, signal=44%
0.59042704	1	6778	tags=35%, list=33%, signal=52%
0.5898272	1	3069	tags=21%, list=15%, signal=24%
0.5906982	1	2295	tags=22%, list=11%, signal=25%
0.5890965	1	5075	tags=37%, list=25%, signal=48%
0.589688	1	4906	tags=42%, list=24%, signal=55%
0.5975913	1	4274	tags=26%, list=21%, signal=32%
0.5951627	1	4079	tags=25%, list=20%, signal=30%
0.5950435	1	5605	tags=27%, list=27%, signal=37%
0.59853905	1	5291	tags=32%, list=26%, signal=43%
0.59721494	1	4049	tags=22%, list=20%, signal=28%
0.5954341	1	3395	tags=22%, list=16%, signal=26%
0.5934901	1	4174	tags=26%, list=20%, signal=32%
0.5960114	1	3793	tags=38%, list=18%, signal=46%
0.5947769	1	3421	tags=12%, list=17%, signal=14%
0.5937152	1	3644	tags=30%, list=18%, signal=36%
0.59407055	1	6081	tags=40%, list=29%, signal=56%
0.5969833	1	5415	tags=40%, list=26%, signal=54%
0.59567636	1	2482	tags=24%, list=12%, signal=27%
0.5958784	1	1706	tags=17%, list=8%, signal=18%
0.59416145	1	4939	tags=30%, list=24%, signal=39%
0.59384644	1	4148	tags=30%, list=20%, signal=37%
0.5960231	1	3279	tags=30%, list=16%, signal=35%
0.58993334	1	5009	tags=25%, list=24%, signal=33%
0.5850112	1	3291	tags=27%, list=16%, signal=32%
0.584486	1	4167	tags=33%, list=20%, signal=41%
0.5869099	1	4200	tags=30%, list=20%, signal=37%
0.5860606	1	2331	tags=22%, list=11%, signal=24%
0.5857997	1	4576	tags=45%, list=22%, signal=57%
0.58693165	1	3598	tags=31%, list=17%, signal=37%
0.5876066	1	4516	tags=38%, list=22%, signal=48%
0.58634216	1	4527	tags=30%, list=22%, signal=37%
0.5897529	1	4505	tags=37%, list=22%, signal=48%
0.58908826	1	4477	tags=36%, list=22%, signal=45%
0.58901745	1	4244	tags=27%, list=21%, signal=34%
0.58788586	1	5277	tags=30%, list=26%, signal=40%
0.58906096	1	3651	tags=28%, list=18%, signal=34%
0.58766145	1	3507	tags=29%, list=17%, signal=35%
0.58510125	1	4357	tags=33%, list=21%, signal=42%

0.58208704	1	4603	tags=24%, list=22%, signal=30%
0.5795801	1	3571	tags=18%, list=17%, signal=21%
0.57901055	1	3580	tags=29%, list=17%, signal=36%
0.5771417	1	3513	tags=20%, list=17%, signal=24%
0.57690465	1	2568	tags=21%, list=12%, signal=24%
0.576414	1	4000	tags=46%, list=19%, signal=57%
0.5756489	1	4332	tags=40%, list=21%, signal=51%
0.57804626	1	4162	tags=28%, list=20%, signal=35%
0.578769	1	3833	tags=28%, list=19%, signal=34%
0.5808148	1	4932	tags=31%, list=24%, signal=41%
0.5793568	1	3111	tags=28%, list=15%, signal=33%
0.57998616	1	4588	tags=31%, list=22%, signal=40%
0.58099216	1	4241	tags=24%, list=21%, signal=29%
0.58354515	1	4704	tags=32%, list=23%, signal=41%
0.5844047	1	2036	tags=31%, list=10%, signal=34%
0.5838917	1	4904	tags=39%, list=24%, signal=51%
0.58430004	1	5893	tags=31%, list=29%, signal=42%
0.5825202	1	4448	tags=34%, list=22%, signal=42%
0.5804106	1	4357	tags=38%, list=21%, signal=49%
0.5802922	1	4665	tags=26%, list=23%, signal=33%
0.57892007	1	4505	tags=45%, list=22%, signal=58%
0.5793807	1	2891	tags=24%, list=14%, signal=27%
0.57964796	1	2944	tags=23%, list=14%, signal=27%
0.57897615	1	2450	tags=28%, list=12%, signal=32%
0.5801868	1	4221	tags=31%, list=20%, signal=39%
0.5797548	1	2891	tags=25%, list=14%, signal=29%
0.5828666	1	3782	tags=25%, list=18%, signal=30%
0.5830644	1	1955	tags=17%, list=9%, signal=19%
0.5851742	1	4874	tags=35%, list=24%, signal=45%
0.5856449	1	4913	tags=30%, list=24%, signal=39%
0.5887774	1	4124	tags=38%, list=20%, signal=48%
0.58839154	1	4693	tags=36%, list=23%, signal=46%
0.58698815	1	5062	tags=33%, list=25%, signal=43%
0.5899237	1	3659	tags=21%, list=18%, signal=26%
0.5900852	1	4297	tags=27%, list=21%, signal=34%
0.59288263	1	5982	tags=44%, list=29%, signal=61%
0.59381175	1	5461	tags=44%, list=26%, signal=59%
0.5924586	1	4850	tags=48%, list=23%, signal=63%
0.5925395	1	4289	tags=34%, list=21%, signal=43%
0.59511673	1	3665	tags=26%, list=18%, signal=31%
0.59471124	1	4612	tags=29%, list=22%, signal=37%

0.5957317	1	3990	tags=29%, list=19%, signal=36%
0.5937765	1	4399	tags=23%, list=21%, signal=29%
0.5942407	1	4461	tags=35%, list=22%, signal=45%
0.593909	1	5488	tags=40%, list=27%, signal=54%
0.5923268	1	5155	tags=42%, list=25%, signal=56%
0.5910272	1	5768	tags=36%, list=28%, signal=50%
0.5903957	1	4772	tags=28%, list=23%, signal=36%
0.58971024	1	4471	tags=36%, list=22%, signal=46%
0.5933656	1	5114	tags=26%, list=25%, signal=35%
0.5928606	1	5872	tags=41%, list=28%, signal=57%
0.5952169	1	4448	tags=36%, list=22%, signal=46%
0.59520847	1	4932	tags=37%, list=24%, signal=48%
0.5942609	1	2649	tags=26%, list=13%, signal=30%
0.60144293	1	6707	tags=38%, list=32%, signal=56%
0.60097796	1	4330	tags=38%, list=21%, signal=48%
0.60032755	1	3636	tags=33%, list=18%, signal=40%
0.59972906	1	4772	tags=23%, list=23%, signal=29%
0.60102946	1	6106	tags=37%, list=30%, signal=52%
0.60358876	1	4348	tags=19%, list=21%, signal=24%
0.602535	1	3571	tags=30%, list=17%, signal=36%
0.6049046	1	4954	tags=28%, list=24%, signal=37%
0.6050437	1	3757	tags=32%, list=18%, signal=39%
0.60704887	1	3432	tags=26%, list=17%, signal=31%
0.6047022	1	4910	tags=31%, list=24%, signal=40%
0.60835487	1	2028	tags=25%, list=10%, signal=28%
0.6124294	1	4237	tags=32%, list=21%, signal=40%
0.61394286	1	4289	tags=25%, list=21%, signal=31%
0.6159855	1	5889	tags=33%, list=29%, signal=46%
0.61506826	1	6456	tags=45%, list=31%, signal=66%
0.614363	1	3479	tags=24%, list=17%, signal=28%
0.61503977	1	5007	tags=42%, list=24%, signal=55%
0.61569035	1	3283	tags=42%, list=16%, signal=49%
0.6158533	1	3914	tags=26%, list=19%, signal=31%
0.61493367	1	4926	tags=41%, list=24%, signal=53%
0.618284	1	1908	tags=13%, list=9%, signal=15%
0.61956346	1	4932	tags=32%, list=24%, signal=42%
0.6194137	1	4274	tags=24%, list=21%, signal=30%
0.62521696	1	4448	tags=35%, list=22%, signal=44%
0.64052576	1	4932	tags=32%, list=24%, signal=42%
0.64301807	1	5738	tags=30%, list=28%, signal=41%
0.64361644	1	4422	tags=31%, list=21%, signal=39%

0.64482075	1	2137	tags=17%, list=10%, signal=19%
0.6463913	1	713	tags=8%, list=3%, signal=8%
0.64846957	1	4471	tags=32%, list=22%, signal=41%
0.64770925	1	1430	tags=17%, list=7%, signal=18%
0.64687914	1	5148	tags=22%, list=25%, signal=29%
0.6463576	1	3412	tags=25%, list=17%, signal=29%
0.64835674	1	4064	tags=27%, list=20%, signal=34%
0.64728034	1	1846	tags=14%, list=9%, signal=15%
0.6483324	1	2797	tags=26%, list=14%, signal=30%
0.6496459	1	4693	tags=42%, list=23%, signal=54%
0.649901	1	4906	tags=39%, list=24%, signal=51%
0.6505431	1	4286	tags=45%, list=21%, signal=56%
0.65026623	1	3517	tags=18%, list=17%, signal=22%
0.65002006	1	2746	tags=20%, list=13%, signal=23%
0.65149075	1	4592	tags=28%, list=22%, signal=36%
0.6508955	1	4128	tags=30%, list=20%, signal=37%
0.65138716	1	6022	tags=36%, list=29%, signal=50%
0.6522469	1	4695	tags=31%, list=23%, signal=40%
0.6512539	1	2346	tags=16%, list=11%, signal=18%
0.65093875	1	4361	tags=30%, list=21%, signal=38%
0.6521203	1	1896	tags=14%, list=9%, signal=15%
0.65242857	1	2378	tags=21%, list=12%, signal=24%
0.6522768	1	4016	tags=29%, list=19%, signal=36%
0.65124273	1	5385	tags=40%, list=26%, signal=54%
0.65608186	1	5592	tags=51%, list=27%, signal=70%
0.6562465	1	2649	tags=21%, list=13%, signal=23%
0.65448916	1	3371	tags=45%, list=16%, signal=54%
0.65531707	1	4444	tags=27%, list=22%, signal=34%
0.6591831	1	5189	tags=27%, list=25%, signal=35%
0.6618066	1	5321	tags=46%, list=26%, signal=61%
0.6607839	1	3733	tags=29%, list=18%, signal=35%
0.6655093	1	4989	tags=39%, list=24%, signal=51%
0.6645166	1	4156	tags=33%, list=20%, signal=41%
0.6649716	1	1962	tags=23%, list=10%, signal=25%
0.66541034	1	4455	tags=27%, list=22%, signal=34%
0.66781664	1	4200	tags=31%, list=20%, signal=39%
0.66967356	1	2470	tags=18%, list=12%, signal=21%
0.670062	1	2625	tags=18%, list=13%, signal=20%
0.67041004	1	2682	tags=29%, list=13%, signal=33%
0.67017126	1	3700	tags=24%, list=18%, signal=29%
0.6701157	1	4112	tags=28%, list=20%, signal=34%

0.67072797	1	4106	tags=30%, list=20%, signal=37%
0.66986144	1	4950	tags=36%, list=24%, signal=47%
0.66770244	1	4932	tags=38%, list=24%, signal=50%
0.67185795	1	7092	tags=42%, list=34%, signal=64%
0.6718568	1	4638	tags=38%, list=22%, signal=49%
0.67304	1	4340	tags=26%, list=21%, signal=33%
0.6722281	1	5889	tags=33%, list=29%, signal=46%
0.6715932	1	3800	tags=41%, list=18%, signal=51%
0.6709536	1	5074	tags=32%, list=25%, signal=42%
0.67587775	1	4287	tags=29%, list=21%, signal=36%
0.6757421	1	4693	tags=25%, list=23%, signal=32%
0.6759344	1	4612	tags=33%, list=22%, signal=42%
0.6770117	1	4287	tags=29%, list=21%, signal=37%
0.67755944	1	4483	tags=28%, list=22%, signal=35%
0.6792509	1	3006	tags=20%, list=15%, signal=24%
0.68440735	1	4551	tags=29%, list=22%, signal=37%
0.68611103	1	3409	tags=20%, list=17%, signal=24%
0.687348	1	4448	tags=36%, list=22%, signal=45%
0.6870338	1	4150	tags=24%, list=20%, signal=30%
0.6875335	1	5116	tags=26%, list=25%, signal=34%
0.6891952	1	6328	tags=41%, list=31%, signal=58%
0.68972653	1	4528	tags=29%, list=22%, signal=37%
0.6955346	1	4199	tags=37%, list=20%, signal=46%
0.6950182	1	4948	tags=35%, list=24%, signal=46%
0.69537866	1	4614	tags=35%, list=22%, signal=44%
0.69455343	1	4280	tags=25%, list=21%, signal=32%
0.6966989	1	5942	tags=41%, list=29%, signal=58%
0.69655335	1	3346	tags=18%, list=16%, signal=22%
0.6970647	1	3160	tags=24%, list=15%, signal=28%
0.70111257	1	4760	tags=35%, list=23%, signal=44%
0.7027837	1	5337	tags=38%, list=26%, signal=50%
0.70473343	1	4357	tags=31%, list=21%, signal=39%
0.7044768	1	4899	tags=33%, list=24%, signal=42%
0.7051745	1	4297	tags=25%, list=21%, signal=31%
0.7047961	1	4786	tags=31%, list=23%, signal=40%
0.7057774	1	3869	tags=28%, list=19%, signal=35%
0.70622385	1	2413	tags=19%, list=12%, signal=21%
0.70556664	1	4929	tags=37%, list=24%, signal=48%
0.7066158	1	6144	tags=36%, list=30%, signal=51%
0.70858264	1	3360	tags=27%, list=16%, signal=33%
0.70856243	1	5005	tags=39%, list=24%, signal=52%

0.7094276	1	6849	tags=36%, list=33%, signal=54%
0.7085149	1	5959	tags=32%, list=29%, signal=44%
0.7099039	1	4984	tags=38%, list=24%, signal=49%
0.70933044	1	6056	tags=34%, list=29%, signal=48%
0.7086818	1	2218	tags=21%, list=11%, signal=24%
0.70876133	1	4457	tags=32%, list=22%, signal=41%
0.7065688	1	3830	tags=28%, list=19%, signal=34%
0.70722204	1	3734	tags=30%, list=18%, signal=36%
0.7053537	1	5419	tags=20%, list=26%, signal=27%
0.7061334	1	5230	tags=42%, list=25%, signal=56%
0.7051189	1	6132	tags=34%, list=30%, signal=49%
0.70398325	1	4760	tags=28%, list=23%, signal=36%
0.70481527	1	3852	tags=17%, list=19%, signal=21%
0.7036157	1	1389	tags=15%, list=7%, signal=16%
0.7037836	1	4778	tags=26%, list=23%, signal=34%
0.70418304	1	4348	tags=28%, list=21%, signal=35%
0.7049096	1	4949	tags=31%, list=24%, signal=40%
0.70430225	1	3702	tags=33%, list=18%, signal=40%
0.7074409	1	5843	tags=29%, list=28%, signal=40%
0.70899653	1	5676	tags=35%, list=27%, signal=48%
0.70983547	1	3617	tags=31%, list=18%, signal=38%
0.70959145	1	5148	tags=41%, list=25%, signal=54%
0.710433	1	1618	tags=14%, list=8%, signal=15%
0.71106017	1	4385	tags=40%, list=21%, signal=51%
0.71154296	1	3598	tags=27%, list=17%, signal=32%
0.7114284	1	4697	tags=33%, list=23%, signal=43%
0.7131893	1	3835	tags=24%, list=19%, signal=29%
0.71639127	1	2896	tags=22%, list=14%, signal=25%
0.71700716	1	3877	tags=26%, list=19%, signal=31%
0.7159303	1	5723	tags=38%, list=28%, signal=53%
0.717108	1	3665	tags=33%, list=18%, signal=40%
0.71649617	1	4247	tags=19%, list=21%, signal=24%
0.71581614	1	4086	tags=34%, list=20%, signal=42%
0.71543586	1	5098	tags=24%, list=25%, signal=32%
0.71485656	1	3778	tags=29%, list=18%, signal=34%
0.7145619	1	3245	tags=30%, list=16%, signal=35%
0.7159623	1	4418	tags=31%, list=21%, signal=39%
0.7193832	1	5465	tags=32%, list=26%, signal=43%
0.7175988	1	5073	tags=30%, list=25%, signal=39%
0.7168213	1	3090	tags=20%, list=15%, signal=24%
0.7177275	1	3090	tags=20%, list=15%, signal=24%

0.7172012	1	3811	tags=20%, list=18%, signal=25%
0.7165536	1	6151	tags=31%, list=30%, signal=43%
0.7167536	1	5396	tags=44%, list=26%, signal=59%
0.7174391	1	2331	tags=25%, list=11%, signal=28%
0.71747434	1	4966	tags=26%, list=24%, signal=34%
0.7197615	1	2923	tags=19%, list=14%, signal=22%
0.7185303	1	4573	tags=22%, list=22%, signal=28%
0.7181717	1	5377	tags=34%, list=26%, signal=45%
0.71828485	1	1870	tags=16%, list=9%, signal=18%
0.71816605	1	4932	tags=36%, list=24%, signal=47%
0.71767217	1	4036	tags=29%, list=20%, signal=35%
0.7165357	1	3099	tags=21%, list=15%, signal=25%
0.71785575	1	4111	tags=27%, list=20%, signal=33%
0.7241462	1	5057	tags=28%, list=24%, signal=36%
0.7249066	1	5592	tags=36%, list=27%, signal=50%
0.7240602	1	6151	tags=35%, list=30%, signal=49%
0.7239619	1	4981	tags=30%, list=24%, signal=38%
0.72767645	1	3726	tags=14%, list=18%, signal=17%
0.7291575	1	2625	tags=15%, list=13%, signal=18%
0.73271024	1	1482	tags=8%, list=7%, signal=9%
0.73280656	1	4910	tags=25%, list=24%, signal=33%
0.7369195	1	4252	tags=26%, list=21%, signal=33%
0.7392161	1	4058	tags=30%, list=20%, signal=37%
0.73907095	1	2151	tags=22%, list=10%, signal=24%
0.73956656	1	5451	tags=40%, list=26%, signal=53%
0.7416351	1	3947	tags=29%, list=19%, signal=36%
0.7408972	1	2629	tags=20%, list=13%, signal=23%
0.74070275	1	3861	tags=25%, list=19%, signal=31%
0.7407003	1	3467	tags=23%, list=17%, signal=28%
0.740237	1	5453	tags=30%, list=26%, signal=41%
0.7398646	1	4319	tags=37%, list=21%, signal=46%
0.74392784	1	2147	tags=22%, list=10%, signal=25%
0.7438244	1	5207	tags=26%, list=25%, signal=35%
0.74575824	1	5296	tags=35%, list=26%, signal=47%
0.7454543	1	4485	tags=18%, list=22%, signal=23%
0.74975795	1	3286	tags=22%, list=16%, signal=25%
0.7498007	1	917	tags=12%, list=4%, signal=13%
0.75267106	1	4775	tags=32%, list=23%, signal=41%
0.7514346	1	3628	tags=25%, list=18%, signal=31%
0.7508368	1	3064	tags=16%, list=15%, signal=19%
0.7517423	1	5116	tags=26%, list=25%, signal=34%

0.75165033	1	3226	tags=27%, list=16%, signal=31%
0.7517913	1	5463	tags=32%, list=26%, signal=44%
0.7527936	1	2388	tags=17%, list=12%, signal=20%
0.7526757	1	4901	tags=38%, list=24%, signal=50%
0.75349367	1	1668	tags=14%, list=8%, signal=15%
0.75281686	1	5451	tags=40%, list=26%, signal=53%
0.7523112	1	4646	tags=16%, list=23%, signal=20%
0.7529712	1	2393	tags=14%, list=12%, signal=15%
0.75308114	1	6037	tags=34%, list=29%, signal=48%
0.75263536	1	4247	tags=27%, list=21%, signal=34%
0.7591629	1	3642	tags=19%, list=18%, signal=23%
0.7602618	1	2511	tags=16%, list=12%, signal=18%
0.7596339	1	3907	tags=32%, list=19%, signal=39%
0.7604276	1	5532	tags=35%, list=27%, signal=46%
0.7638687	1	2956	tags=22%, list=14%, signal=25%
0.7653799	1	4387	tags=30%, list=21%, signal=38%
0.76460695	1	4830	tags=25%, list=23%, signal=33%
0.7641924	1	3041	tags=19%, list=15%, signal=22%
0.7684977	1	4949	tags=24%, list=24%, signal=31%
0.7692532	1	4392	tags=32%, list=21%, signal=40%
0.767205	1	4950	tags=30%, list=24%, signal=39%
0.77183247	1	4950	tags=37%, list=24%, signal=48%
0.7710026	1	2426	tags=19%, list=12%, signal=22%
0.771966	1	2427	tags=21%, list=12%, signal=23%
0.7716122	1	4625	tags=28%, list=22%, signal=35%
0.77140766	1	4247	tags=26%, list=21%, signal=33%
0.7710647	1	4020	tags=34%, list=19%, signal=42%
0.7705626	1	4667	tags=17%, list=23%, signal=21%
0.7718612	1	2259	tags=23%, list=11%, signal=25%
0.7753771	1	4743	tags=28%, list=23%, signal=36%
0.7746994	1	3449	tags=24%, list=17%, signal=28%
0.7743257	1	6200	tags=35%, list=30%, signal=50%
0.7739306	1	2511	tags=19%, list=12%, signal=21%
0.7726038	1	3038	tags=23%, list=15%, signal=26%
0.77219224	1	4932	tags=26%, list=24%, signal=34%
0.771212	1	4364	tags=31%, list=21%, signal=39%
0.7742111	1	5249	tags=36%, list=25%, signal=47%
0.7736224	1	4447	tags=28%, list=22%, signal=36%
0.7748877	1	4474	tags=30%, list=22%, signal=39%
0.7763776	1	3757	tags=33%, list=18%, signal=40%
0.77693933	1	3870	tags=24%, list=19%, signal=29%

0.7761733	1	6607	tags=35%, list=32%, signal=52%
0.77841806	1	2138	tags=13%, list=10%, signal=14%
0.7787128	1	3907	tags=34%, list=19%, signal=42%
0.7800891	1	5987	tags=32%, list=29%, signal=45%
0.7809371	1	1494	tags=14%, list=7%, signal=15%
0.7824771	1	3571	tags=21%, list=17%, signal=26%
0.7857889	1	3237	tags=23%, list=16%, signal=27%
0.7856398	1	5182	tags=30%, list=25%, signal=39%
0.7855829	1	5116	tags=24%, list=25%, signal=32%
0.78515565	1	3843	tags=25%, list=19%, signal=31%
0.7841413	1	3630	tags=33%, list=18%, signal=40%
0.78339493	1	5091	tags=25%, list=25%, signal=32%
0.78284675	1	2975	tags=22%, list=14%, signal=26%
0.7826097	1	2660	tags=23%, list=13%, signal=26%
0.7847617	1	3914	tags=23%, list=19%, signal=28%
0.7848363	1	6392	tags=31%, list=31%, signal=44%
0.7881269	1	3339	tags=22%, list=16%, signal=26%
0.78650934	1	4533	tags=25%, list=22%, signal=32%
0.7867585	1	5915	tags=37%, list=29%, signal=51%
0.7884564	1	4180	tags=32%, list=20%, signal=39%
0.7883788	1	4447	tags=26%, list=22%, signal=33%
0.78973067	1	4690	tags=31%, list=23%, signal=39%
0.78994906	1	3261	tags=23%, list=16%, signal=27%
0.79018784	1	3782	tags=21%, list=18%, signal=25%
0.7903022	1	5408	tags=27%, list=26%, signal=37%
0.7921777	1	5542	tags=20%, list=27%, signal=27%
0.79138947	1	5083	tags=31%, list=25%, signal=41%
0.7913491	1	1537	tags=10%, list=7%, signal=11%
0.7910253	1	4737	tags=25%, list=23%, signal=32%
0.79381025	1	3208	tags=28%, list=16%, signal=33%
0.7934238	1	3514	tags=23%, list=17%, signal=27%
0.793676	1	3636	tags=26%, list=18%, signal=31%
0.7950737	1	4362	tags=27%, list=21%, signal=34%
0.7965803	1	4001	tags=35%, list=19%, signal=43%
0.79612964	1	3636	tags=29%, list=18%, signal=36%
0.7964702	1	1827	tags=21%, list=9%, signal=23%
0.7971507	1	3705	tags=21%, list=18%, signal=26%
0.79742974	1	4373	tags=27%, list=21%, signal=34%
0.7973822	1	4615	tags=41%, list=22%, signal=53%
0.79832345	1	3204	tags=27%, list=16%, signal=32%
0.79686415	1	3404	tags=18%, list=16%, signal=21%

0.7971185	1	3851	tags=17%, list=19%, signal=21%
0.7976255	1	5409	tags=30%, list=26%, signal=41%
0.8015551	1	4386	tags=15%, list=21%, signal=19%
0.8019722	1	4643	tags=33%, list=22%, signal=42%
0.80142105	1	4620	tags=30%, list=22%, signal=38%
0.79959375	1	3369	tags=23%, list=16%, signal=27%
0.79969794	1	3204	tags=26%, list=16%, signal=31%
0.80214524	1	4294	tags=12%, list=21%, signal=14%
0.8034847	1	5409	tags=30%, list=26%, signal=41%
0.80295575	1	1876	tags=9%, list=9%, signal=9%
0.805005	1	5792	tags=32%, list=28%, signal=44%
0.805034	1	3283	tags=38%, list=16%, signal=45%
0.8056708	1	2963	tags=18%, list=14%, signal=21%
0.8071306	1	4181	tags=37%, list=20%, signal=46%
0.80687094	1	4055	tags=22%, list=20%, signal=26%
0.8071735	1	4282	tags=24%, list=21%, signal=30%
0.80773675	1	2850	tags=24%, list=14%, signal=27%
0.8075083	1	4535	tags=23%, list=22%, signal=29%
0.8085853	1	3113	tags=23%, list=15%, signal=27%
0.80835515	1	3570	tags=28%, list=17%, signal=34%
0.8116197	1	4405	tags=24%, list=21%, signal=31%
0.8116903	1	2741	tags=16%, list=13%, signal=18%
0.81686664	1	3869	tags=28%, list=19%, signal=35%
0.8161584	1	5987	tags=25%, list=29%, signal=36%
0.815711	1	4669	tags=33%, list=23%, signal=42%
0.81867796	1	4055	tags=22%, list=20%, signal=26%
0.8186287	1	4863	tags=23%, list=24%, signal=30%
0.8184995	1	4169	tags=22%, list=20%, signal=27%
0.8185203	1	3053	tags=21%, list=15%, signal=25%
0.8186805	1	3217	tags=21%, list=16%, signal=25%
0.82025164	1	4698	tags=27%, list=23%, signal=35%
0.8211791	1	4436	tags=21%, list=21%, signal=26%
0.82117176	1	4579	tags=21%, list=22%, signal=27%
0.8245389	1	1537	tags=16%, list=7%, signal=17%
0.830796	1	3138	tags=30%, list=15%, signal=35%
0.8317423	1	4605	tags=28%, list=22%, signal=36%
0.8335642	1	3781	tags=21%, list=18%, signal=26%
0.83297694	1	2921	tags=19%, list=14%, signal=22%
0.83755994	1	4737	tags=27%, list=23%, signal=35%
0.83909327	1	4904	tags=27%, list=24%, signal=35%
0.83944726	1	3869	tags=30%, list=19%, signal=36%

0.8462576	1	3276	tags=22%, list=16%, signal=26%
0.84699035	1	6561	tags=24%, list=32%, signal=35%
0.8473517	1	6609	tags=28%, list=32%, signal=41%
0.8470172	1	3309	tags=19%, list=16%, signal=22%
0.847468	1	4457	tags=33%, list=22%, signal=42%
0.8491589	1	3467	tags=12%, list=17%, signal=14%
0.8486426	1	5846	tags=31%, list=28%, signal=43%
0.85254353	1	2620	tags=21%, list=13%, signal=24%
0.85317844	1	3867	tags=19%, list=19%, signal=24%
0.8533981	1	3501	tags=29%, list=17%, signal=35%
0.8549668	1	2531	tags=19%, list=12%, signal=21%
0.8571804	1	4932	tags=27%, list=24%, signal=35%
0.86107254	1	2117	tags=23%, list=10%, signal=25%
0.8616159	1	4915	tags=28%, list=24%, signal=36%
0.86171335	1	2427	tags=26%, list=12%, signal=30%
0.86138815	1	4267	tags=28%, list=21%, signal=35%
0.8631193	1	4218	tags=22%, list=20%, signal=28%
0.8626356	1	3851	tags=21%, list=19%, signal=26%
0.86456263	1	4901	tags=32%, list=24%, signal=42%
0.86778504	1	2140	tags=20%, list=10%, signal=22%
0.8678741	1	4867	tags=32%, list=24%, signal=42%
0.8696066	1	4339	tags=26%, list=21%, signal=33%
0.86860967	1	3259	tags=21%, list=16%, signal=25%
0.86794496	1	3683	tags=21%, list=18%, signal=25%
0.867386	1	5843	tags=41%, list=28%, signal=57%
0.8666802	1	4417	tags=28%, list=21%, signal=36%
0.8674956	1	4461	tags=27%, list=22%, signal=34%
0.86954576	1	4702	tags=32%, list=23%, signal=42%
0.86913085	1	3914	tags=25%, list=19%, signal=30%
0.8725282	1	6260	tags=29%, list=30%, signal=42%
0.8735348	1	3507	tags=20%, list=17%, signal=24%
0.8768328	1	4457	tags=32%, list=22%, signal=40%
0.87878484	1	1788	tags=13%, list=9%, signal=14%
0.8785637	1	2590	tags=13%, list=13%, signal=15%
0.87752753	1	6320	tags=32%, list=31%, signal=46%
0.87796146	1	1389	tags=11%, list=7%, signal=12%
0.87721825	1	5070	tags=37%, list=25%, signal=49%
0.8770676	1	3041	tags=18%, list=15%, signal=21%
0.8788891	1	3717	tags=21%, list=18%, signal=25%
0.8785582	1	1575	tags=13%, list=8%, signal=13%
0.87832344	1	2982	tags=11%, list=14%, signal=12%

0.87871486	1	4795	tags=29%, list=23%, signal=38%
0.8815754	1	3639	tags=23%, list=18%, signal=28%
0.88117063	1	3621	tags=25%, list=18%, signal=30%
0.8818793	1	2428	tags=19%, list=12%, signal=22%
0.8816684	1	1444	tags=14%, list=7%, signal=16%
0.8841892	1	4124	tags=25%, list=20%, signal=31%
0.88838387	1	4294	tags=9%, list=21%, signal=12%
0.88877654	1	3204	tags=22%, list=16%, signal=26%
0.89460963	1	2667	tags=19%, list=13%, signal=22%
0.89410865	1	4533	tags=35%, list=22%, signal=44%
0.8937877	1	3518	tags=12%, list=17%, signal=14%
0.89228904	1	4119	tags=26%, list=20%, signal=32%
0.8927257	1	4592	tags=26%, list=22%, signal=32%
0.8956885	1	4067	tags=24%, list=20%, signal=30%
0.89600325	1	4562	tags=23%, list=22%, signal=30%
0.9003468	1	3291	tags=11%, list=16%, signal=13%
0.8993345	1	4901	tags=22%, list=24%, signal=29%
0.89956295	1	4902	tags=19%, list=24%, signal=25%
0.90016043	1	4737	tags=30%, list=23%, signal=38%
0.8997729	1	3611	tags=15%, list=17%, signal=18%
0.90048414	1	4690	tags=25%, list=23%, signal=32%
0.8999149	1	5590	tags=37%, list=27%, signal=51%
0.9032547	1	3622	tags=17%, list=18%, signal=21%
0.9037663	1	5052	tags=27%, list=24%, signal=35%
0.90336764	1	4294	tags=13%, list=21%, signal=16%
0.9016583	1	3518	tags=13%, list=17%, signal=16%
0.9044607	1	3079	tags=22%, list=15%, signal=25%
0.91221786	1	4615	tags=31%, list=22%, signal=40%
0.91811436	1	3467	tags=25%, list=17%, signal=30%
0.92007405	1	4089	tags=25%, list=20%, signal=30%
0.9225974	1	4766	tags=32%, list=23%, signal=42%
0.92265356	1	2427	tags=15%, list=12%, signal=16%
0.9238122	1	3666	tags=21%, list=18%, signal=26%
0.9240214	1	4748	tags=31%, list=23%, signal=40%
0.92345333	1	3361	tags=23%, list=16%, signal=27%
0.92303437	1	3464	tags=22%, list=17%, signal=26%
0.9225708	1	3659	tags=15%, list=18%, signal=19%
0.9222607	1	4722	tags=31%, list=23%, signal=39%
0.92257565	1	5346	tags=29%, list=26%, signal=39%
0.9236681	1	1791	tags=14%, list=9%, signal=15%
0.92851853	1	4390	tags=24%, list=21%, signal=30%

0.93053555	1	4020	tags=33%, list=19%, signal=40%
0.93077946	1	5743	tags=29%, list=28%, signal=40%
0.93122995	1	4422	tags=26%, list=21%, signal=33%
0.931458	1	2170	tags=10%, list=11%, signal=11%
0.93200356	1	4678	tags=29%, list=23%, signal=36%
0.9314999	1	3035	tags=20%, list=15%, signal=23%
0.93147206	1	3069	tags=12%, list=15%, signal=14%
0.9311121	1	3118	tags=21%, list=15%, signal=24%
0.9551761	1	3347	tags=19%, list=16%, signal=22%
0.9579898	1	3195	tags=23%, list=15%, signal=27%
0.96057785	1	5989	tags=27%, list=29%, signal=39%
0.9614316	1	3316	tags=22%, list=16%, signal=26%
0.9615646	1	4349	tags=32%, list=21%, signal=40%
0.9642992	1	6069	tags=33%, list=29%, signal=46%
0.96357894	1	5091	tags=32%, list=25%, signal=42%
0.96528167	1	5542	tags=28%, list=27%, signal=38%
0.96745574	1	3460	tags=26%, list=17%, signal=31%
0.9718703	1	2366	tags=14%, list=11%, signal=16%
0.97380346	1	5076	tags=30%, list=25%, signal=39%
0.9739346	1	5942	tags=26%, list=29%, signal=37%
0.97672886	1	2778	tags=17%, list=13%, signal=20%
0.98626447	1	4221	tags=25%, list=20%, signal=32%

GSEA naïve	SIZE	ES	NES	NOM p-val	FDR q-val	FWER p-val
KIM_MYC_AM	153	-0.6418862	-1.661922	0	0.6891278	0.324
DANG_MYC_T	116	-0.6832407	-1.652132	0	0.43988755	0.352
SCHUHMACH	63	-0.817979	-1.6110455	0	0.25020444	0.473
YAO_TEMPOI	81	-0.6587936	-1.6020976	0.0815534	0.28732654	0.501
REACTOME_S	85	-0.7153829	-1.5868316	0	0.21152626	0.557
MANALO_HY	255	-0.6841856	-1.5834608	0.06324111	0.20916107	0.566
REACTOME_S	98	-0.7008486	-1.5818608	0.03168317	0.20364259	0.566
WONG_EMBI	302	-0.6793587	-1.5818086	0.03285421	0.19316247	0.566
REACTOME_C	105	-0.6598846	-1.5693891	0.03149606	0.221453	0.61
RHEIN_ALL_G	339	-0.5827666	-1.5688276	0.06694561	0.21219218	0.61
CHIANG_LIVE	156	-0.6157149	-1.5678009	0.06570842	0.20445858	0.61
RHODES_CAN	52	-0.6483098	-1.5668383	0.03271984	0.19984928	0.63
MUELLER_PL	269	-0.6228557	-1.5636499	0.03187251	0.2002651	0.643
TONKS_TARG	176	-0.5959745	-1.5601593	0.03155819	0.19531362	0.643
REACTOME_D	73	-0.7020421	-1.5579257	0.04590818	0.1992485	0.654
REACTOME_M	67	-0.5958011	-1.5504525	0.06570842	0.2090527	0.702
REACTOME_I	130	-0.6225595	-1.5427034	0	0.20632334	0.765
DANG_REGUL	64	-0.6617448	-1.5394275	0	0.21186863	0.765
OUELLET_OV	110	-0.5868403	-1.5334356	0.08571429	0.21875893	0.84
GRADE_COLO	218	-0.597384	-1.5316771	0.06570842	0.19461206	0.84
ZHANG_RESP	52	-0.7133327	-1.5276015	0.06324111	0.19499928	0.853
TARTE_PLASM	279	-0.6076724	-1.5235753	0.0661157	0.19800347	0.853
KAUFFMANN_	57	-0.5837209	-1.5086545	0.13402061	0.22657481	0.905
YAO_TEMPOI	115	-0.6559276	-1.5030755	0.08414873	0.23975565	0.917
HESS_TARGET	57	-0.5967166	-1.5030217	0.05338809	0.235623	0.917
REACTOME_C	62	-0.7033287	-1.4994453	0.10958904	0.23303285	0.933
REACTOME_M	60	-0.699696	-1.4975079	0.08219178	0.23459795	0.933
REACTOME_P	118	-0.6315736	-1.4973652	0.03298969	0.23117106	0.933
KEGG_GLYCO	60	-0.6387362	-1.4970669	0.08349515	0.22750725	0.933
REACTOME_T	101	-0.6056638	-1.4950502	0	0.225123	0.933
SCHLOSSER_M	138	-0.7137181	-1.4949878	0.06185567	0.22195165	0.933
DAIRKEE_CAN	112	-0.5690742	-1.4940515	0.08187135	0.2212227	0.933
REACTOME_H	102	-0.5977187	-1.4917243	0.03187251	0.21557891	0.933
JAIN_NFKB_S	69	-0.5836847	-1.4908149	0.06470589	0.21642081	0.933
REACTOME_L	90	-0.6310243	-1.4882547	0.03206413	0.21034057	0.946
REACTOME_H	118	-0.5834425	-1.4852542	0.03258656	0.20320903	0.946
FOURNIER_AC	258	-0.5898745	-1.4846032	0.10282258	0.19978766	0.946
REACTOME_M	87	-0.6308053	-1.4837458	0.03174603	0.19982329	0.946
ZHU_CMV_AI	55	-0.5565695	-1.4835439	0	0.19853544	0.946
REACTOME_C	358	-0.5125299	-1.48124	0	0.19557716	0.946

REACTOME_M	90	-0.6083123	-1.4750415	0.08484849	0.1996711	0.959
IVANOVA_HE	91	-0.6128252	-1.4735972	0.11637081	0.20092872	0.959
REACTOME_P	132	-0.5904247	-1.4712297	0.03187251	0.19655888	0.959
RHODES_UNI	59	-0.5915229	-1.4707505	0.08366534	0.1964494	0.972
REACTOME_H	180	-0.574705	-1.4688153	0.03174603	0.19968574	0.972
GOLDRATH_H	134	-0.5185754	-1.468785	0.06517312	0.19783893	0.972
KEGG_PURIN	151	-0.5744978	-1.4685779	0.06547619	0.19673623	0.972
REACTOME_C	51	-0.7224518	-1.468515	0.08219178	0.19507268	0.972
REACTOME_C	95	-0.6466311	-1.4663094	0.17886178	0.19339734	0.972
REACTOME_P	90	-0.5807316	-1.4643952	0.03285421	0.19224396	0.972
REACTOME_E	114	-0.5901226	-1.4637014	0.03187251	0.19200082	0.972
MOREAUX_M	117	-0.5560883	-1.4635373	0.13347022	0.1905147	0.972
REACTOME_C	87	-0.6142947	-1.457053	0	0.19343369	0.972
FERRANDO_T	73	-0.549032	-1.453954	0.084	0.19948883	0.972
WINNEPENNI	138	-0.5897581	-1.4503616	0.13292433	0.20169394	0.972
BHATTACHAR	67	-0.5597349	-1.4502351	0.09979633	0.20036604	0.972
CHANG_CORI	61	-0.5828909	-1.4479418	0.17751479	0.203817	0.972
GARCIA_TAR	132	-0.5661267	-1.4451828	0.09514563	0.20418638	0.972
PENG_RAPAM	63	-0.6911757	-1.4437215	0.08414873	0.20322943	0.972
KEGG_SPLICE	107	-0.5519686	-1.4406697	0.07216495	0.20831935	0.972
SANA_RESPO	76	-0.5351266	-1.4342608	0.04093567	0.21610032	0.972
REACTOME_C	60	-0.6966596	-1.4338229	0	0.2148472	0.972
WANG_SMAR	310	-0.4887385	-1.4323376	0.0661157	0.21195017	0.972
BASSO_B_LYM	122	-0.5484485	-1.4323009	0.11545988	0.21065336	0.972
BOYAULT_LIV	158	-0.5683063	-1.4316065	0.06666667	0.2098184	0.972
NAKAMURA_	244	-0.5188274	-1.4271162	0.05335968	0.21381308	0.972
BERENJENO_T	444	-0.5157563	-1.4208814	0.13184585	0.22222857	0.972
SAKAI_TUMO	77	-0.5364299	-1.4179845	0.13319673	0.22669142	0.972
KIM_WT1_TA	194	-0.4521625	-1.4175017	0	0.22628918	0.972
REACTOME_A	55	-0.7070924	-1.415474	0.0446602	0.23085055	1
GRAHAM_NC	81	-0.572921	-1.410351	0.19472617	0.23703942	1
KEGG_PYRIM	88	-0.6092678	-1.4051157	0.08498024	0.23839638	1
KEGG_RIBOS	79	-0.6073539	-1.4046878	0.0673077	0.23754387	1
REACTOME_T	59	-0.6175638	-1.4040161	0.06457926	0.23615953	1
MATTIOLI_M	94	-0.4911623	-1.4014796	0.06776181	0.23946218	1
CROONQUIST	60	-0.5654656	-1.3994416	0.17907445	0.24166033	1
WAKASUGI_H	54	-0.568078	-1.3991883	0.02169625	0.24099888	1
YAO_TEMPOI	58	-0.6218213	-1.3983984	0.13786408	0.24142484	1
REACTOME_M	155	-0.5614449	-1.3976507	0.04572565	0.24213096	1
GRAHAM_CM	170	-0.5339696	-1.3971128	0.15717092	0.24196646	1
REACTOME_D	101	-0.5412315	-1.395614	0.0503876	0.24417323	1

REACTOME_T	51	-0.6315866	-1.3926868	0.06666667	0.24703458	1
REACTOME_I	93	-0.6142849	-1.3919538	0	0.24710995	1
REACTOME_C	56	-0.6808872	-1.3915929	0.23483366	0.24663617	1
KOKKINAKIS_	72	-0.4872278	-1.3885987	0.08481263	0.2501276	1
REACTOME_F	67	-0.6615928	-1.3880033	0.1409002	0.25086936	1
REACTOME_F	77	-0.6015298	-1.3872831	0.03696498	0.25080258	1
BILD_MYC_O	172	-0.5135472	-1.3803197	0.08365759	0.26339033	1
LEE_LIVER_CA	119	-0.5009579	-1.3802904	0.06666667	0.26221374	1
REACTOME_\	78	-0.569999	-1.3787587	0.06130268	0.26251996	1
PENG_GLUTA	75	-0.6229199	-1.3786939	0.1553398	0.2614286	1
WELCSH_BRC	108	-0.5780168	-1.3726543	0.08349515	0.27350262	1
MORI_MATU	54	-0.5251288	-1.3682581	0.21084337	0.27747488	1
KOKKINAKIS_	61	-0.4619945	-1.3641806	0	0.28519845	1
WONG_MITC	205	-0.6559397	-1.3640212	0.05273438	0.28293929	1
REACTOME_I	119	-0.4804048	-1.3601166	0.13549618	0.28820944	1
BERTUCCI_M	176	-0.464394	-1.3577771	0.06639839	0.29290646	1
REACTOME_M	185	-0.4721814	-1.3571051	0.05283757	0.2911283	1
SHAFFER_IRF	74	-0.5180983	-1.3556399	0.2813765	0.29101923	1
GARY_CD5_T	383	-0.5488758	-1.3549427	0.13541667	0.2918604	1
BORCZUK_MA	274	-0.5012184	-1.3547962	0.13513513	0.2912217	1
TSENG_IRS1_	98	-0.496733	-1.3507485	0.15810277	0.29888135	1
SOTIRIOU_BR	138	-0.5717442	-1.3504398	0.2601626	0.29840484	1
CROONQUIST	75	-0.5313381	-1.3476	0.27290836	0.30465376	1
REACTOME_F	78	-0.5776159	-1.3440849	0.11627907	0.30949172	1
SASAKI_ADUL	129	-0.4289966	-1.3434459	0.06420233	0.3084957	1
MONNIER_PC	313	-0.429094	-1.3409959	0.0989899	0.31367955	1
REACTOME_T	182	-0.4372748	-1.337763	0.08498024	0.31538585	1
MOOTHA_HU	415	-0.599403	-1.3370091	0.12790698	0.31459278	1
BENPORATH_	335	-0.4808596	-1.3361936	0.13541667	0.31567696	1
LI_AMPLIFIED	162	-0.497939	-1.3355703	0.08349515	0.31614602	1
TIEN_INTESTI	50	-0.3541307	-1.3330935	0.03501094	0.32221985	1
KEGG_PEROX	73	-0.5022102	-1.3266461	0.05232558	0.32956246	1
LI_WILMS_TU	150	-0.5061736	-1.3250344	0.13513513	0.33154562	1
REACTOME_S	50	-0.6655102	-1.3247126	0.27184466	0.33083895	1
REACTOME_F	91	-0.5142816	-1.3243072	0.1879845	0.33052436	1
YAO_TEMPOI	154	-0.5884818	-1.3235397	0.10658915	0.33110738	1
CROMER_ME	57	-0.5307072	-1.3220961	0.07335907	0.33234188	1
VECCHI_GAST	379	-0.4739111	-1.3217607	0.1553398	0.33188158	1
KEGG_RNA_D	51	-0.5229855	-1.3190761	0.19921105	0.33809775	1
KAUFFMANN_	203	-0.4612153	-1.3190284	0.10742188	0.33707827	1
SHEDDEN_LU	408	-0.4931512	-1.3189093	0.31034482	0.33605176	1

BENPORATH_	134	-0.5290666	-1.3141717	0.39087301	0.34169137	1
ELVIDGE_HIF	59	-0.5250878	-1.3138316	0.12778905	0.34177384	1
HAHTOLA_SE	92	-0.4494093	-1.3129678	0.10778443	0.34145525	1
MISSIAGLIA_I	96	-0.520232	-1.310602	0.2248996	0.3443926	1
REACTOME_F	100	-0.4828555	-1.3069311	0.2034549	0.34674838	1
REACTOME_M	114	-0.5509951	-1.3063464	0.15904573	0.34727055	1
KEGG_PARKIN	106	-0.6605981	-1.3055019	0.05273438	0.34848502	1
KEGG_ARGIN	52	-0.512484	-1.3042612	0.13592233	0.35119972	1
KAAB_FAILED	130	-0.4307994	-1.3033732	0.08349515	0.35301486	1
REACTOME_M	143	-0.5440286	-1.3023854	0.29740518	0.35186106	1
PAL_PRMT5_	167	-0.4527556	-1.3006499	0.28458497	0.35319325	1
MOOTHA_MI	431	-0.5904467	-1.2985077	0.16860466	0.35358194	1
COLDREN_GE	77	-0.5182432	-1.2960839	0.1553398	0.3559391	1
KAAB_HEART	244	-0.4525031	-1.2905723	0.12427185	0.36658025	1
SMID_BREAST	293	-0.3545717	-1.2877625	0.07755102	0.3712533	1
FURUKAWA_	60	-0.5113373	-1.2874913	0.32388663	0.3706728	1
STEIN_ESRRA	338	-0.4784859	-1.2777203	0.1553398	0.38833797	1
SANA_TNF_SI	68	-0.4052816	-1.2775831	0.06438632	0.3873477	1
SAMOLS_TAR	53	-0.3642736	-1.2742635	0.03660886	0.392668	1
KOBAYASHI_E	230	-0.4983923	-1.2738163	0.31034482	0.3923611	1
SESTO_RESPO	99	-0.4324351	-1.2722359	0.15748031	0.39502725	1
KONDO_PROS	76	-0.368914	-1.2721289	0.11660079	0.39418766	1
MOOTHA_VC	83	-0.7060596	-1.2685155	0.07617188	0.39763057	1
BLALOCK_ALZ	160	-0.4089759	-1.2671424	0.16064256	0.40020552	1
BARIS_THYRO	53	-0.3799824	-1.2648767	0.0233463	0.4049065	1
PUJANA_BRC	92	-0.4956178	-1.2643517	0.13513513	0.4055777	1
ALONSO_MET	154	-0.4539203	-1.2628458	0.16730769	0.4066785	1
WHITEFORD_	90	-0.502296	-1.2626287	0.21149898	0.4059182	1
NOUZOVA_TH	110	-0.4074654	-1.2594832	0.08565737	0.40912405	1
ELVIDGE_HYP	133	-0.4810664	-1.258399	0.16129032	0.40926328	1
MARZEC_IL2_	105	-0.4692576	-1.2568729	0.15384616	0.41122514	1
LIEN_BREAST_	74	-0.4057939	-1.2540761	0.06521739	0.41417712	1
REACTOME_E	62	-0.721508	-1.2526418	0.14257812	0.4134827	1
MORI_EMU_I	85	-0.4370332	-1.2524612	0.12598425	0.41308045	1
RAMALHO_ST	174	-0.4599876	-1.2522851	0.13211381	0.41212106	1
KEGG_OXIDA	110	-0.6365363	-1.2520667	0.09320388	0.41153806	1
REACTOME_A	123	-0.4471209	-1.2505245	0.34724858	0.41330475	1
REACTOME_H	50	-0.428389	-1.2503687	0.15294118	0.41269854	1
YAO_TEMPOI	144	-0.6299365	-1.2494569	0.17248061	0.41422084	1
WINTER_HYP	84	-0.501353	-1.246003	0.18446602	0.4178674	1
BENPORATH_	214	-0.4456046	-1.2442733	0.16730769	0.42150545	1

VANHARANT/	62	-0.4351894	-1.2437884	0.09879033	0.42164436	1
MOOTHA_PG	326	-0.5188286	-1.2422372	0.14757282	0.42306152	1
FUJII_YBX1_T	130	-0.4901755	-1.2410928	0.32443532	0.42267728	1
SENGUPTA_N	161	-0.3240172	-1.2395768	0.05957447	0.42405406	1
BROWNE_INT	64	-0.4548487	-1.2356449	0.24361493	0.430211	1
ALCALAY_AM	169	-0.4283003	-1.2346032	0.12427185	0.43104813	1
YAO_TEMPOI	63	-0.4704592	-1.2330472	0.21579961	0.43248606	1
KAUFFMANN_	127	-0.4393896	-1.2282141	0.20542635	0.43802482	1
REACTOME_D	353	-0.4725681	-1.2236784	0.1553398	0.4439209	1
GAZDA_DIAM	54	-0.4800229	-1.2214751	0.2413793	0.44797376	1
RUIZ_TNC_TA	132	-0.4574575	-1.2200356	0.316	0.45113102	1
LASTOWSKA_	158	-0.4594837	-1.2197671	0.25527832	0.45090625	1
KEGG_HEMAT	83	-0.4128289	-1.2194581	0.10516252	0.45080572	1
REACTOME_C	144	-0.6027851	-1.2188203	0.16893204	0.4512594	1
REACTOME_S	56	-0.58262	-1.2150712	0.38178295	0.4606927	1
SESTO_RESPO	70	-0.4252488	-1.2098674	0.19066937	0.47135812	1
SHAFFER_IRF-	63	-0.4573358	-1.2088468	0.21384929	0.4733499	1
STEIN_ESRRA	467	-0.4142055	-1.2071981	0.1553398	0.47677138	1
GRUETZMAN	316	-0.380804	-1.2046068	0.15968063	0.48112333	1
STARK_PREFF	380	-0.5161644	-1.2015812	0.23938224	0.48709565	1
KIM_MYCN_A	72	-0.3809195	-1.1999311	0.07572816	0.4904528	1
SESTO_RESPO	68	-0.5101607	-1.1998107	0.21832359	0.48948923	1
CREIGHTON_	256	-0.3461021	-1.1972799	0	0.4948843	1
BYSTRYKH_HI	154	-0.4025171	-1.1967976	0.3707415	0.49513605	1
TOYOTA_TAR	378	-0.420269	-1.1959964	0.22920893	0.4963395	1
REACTOME_F	194	-0.5467549	-1.1909614	0.16893204	0.5059935	1
PUJANA_BRE-	96	-0.4138039	-1.1893785	0.24180327	0.5076247	1
HOLLMAN_AI	244	-0.3890375	-1.1892165	0.05242718	0.50677335	1
HINATA_NFKI	64	-0.380841	-1.1861471	0.19238476	0.5118058	1
ZHANG_BREA	333	-0.4365039	-1.1855044	0.21010101	0.512256	1
CREIGHTON_	447	-0.3381601	-1.1841289	0.10576923	0.5151913	1
REACTOME_S	62	-0.4627756	-1.18321	0.31496063	0.51530546	1
REACTOME_I	207	-0.5420064	-1.1797718	0.2	0.52072585	1
MOHANKUM-	351	-0.3936176	-1.178795	0.31349206	0.5221975	1
PUJANA_BRE-	50	-0.4528785	-1.1720262	0.23138833	0.53818524	1
KEGG_HUNTI	164	-0.503288	-1.1702696	0.33009708	0.5389609	1
JAATINEN_HE	276	-0.342362	-1.1682794	0.20286885	0.54190016	1
LEE_EARLY_T	73	-0.4165179	-1.168069	0.18951613	0.54156435	1
MARKEY_RB1	192	-0.4364416	-1.1674321	0.26358148	0.5420055	1
BASAKI_YBX1	262	-0.4585308	-1.1661386	0.34541985	0.54391074	1
CONCANNON	150	-0.4036144	-1.162848	0.20970874	0.54930824	1

HINATA_NFKI	69	-0.3495684	-1.1608984	0.17348927	0.5526149	1
LEE_LIVER_CA	59	-0.3862476	-1.159062	0.10650887	0.55421835	1
SEITZ_NEOPL	71	-0.3509899	-1.1569247	0.05907173	0.55691266	1
ZHONG_RESP	58	-0.4187189	-1.1560605	0.15459883	0.55835396	1
SHEPARD_CR	140	-0.4597594	-1.1559997	0.25675675	0.5572786	1
REACTOME_F	107	-0.3659113	-1.1548	0.2326923	0.5584743	1
UDAYAKUMA	118	-0.4232274	-1.1529273	0.3011811	0.56158614	1
YEGNASUBRA	119	-0.3300796	-1.1507051	0.16293278	0.5665782	1
WOOD_EBV_	102	-0.4098697	-1.1500839	0.18640776	0.5672332	1
RASHI_RESPC	125	-0.324042	-1.1481168	0.07436399	0.57129115	1
AMIT_SERUM	55	-0.3537347	-1.1479938	0.16763006	0.5703853	1
TONKS_TARG	51	-0.3927748	-1.1476088	0.22586873	0.5677961	1
RIZ_ERYTHRC	71	-0.3485245	-1.147597	0.19959266	0.56662995	1
KEGG_ALZHE	149	-0.4760751	-1.1469146	0.40697673	0.5674311	1
CHEMNITZ_R	121	-0.4119982	-1.146371	0.394	0.56803983	1
LINDSTEDT_D	56	-0.3360081	-1.1435229	0.12273642	0.5718636	1
FERREIRA_EW	129	-0.4348196	-1.1428102	0.27565393	0.5730901	1
REACTOME_(	277	-0.4455677	-1.14243	0.39321357	0.57178473	1
SMITH_TERT_	121	-0.4112362	-1.1416941	0.3840156	0.5724808	1
TAKAO_RESP(	70	-0.4883811	-1.1409997	0.31791908	0.57319564	1
KEGG_CYTOS	51	-0.4220471	-1.1405275	0.28654972	0.57353455	1
RIZKI_TUMOF	55	-0.368187	-1.1388958	0.33595285	0.57574296	1
SANA_RESPO	57	-0.4173769	-1.1383814	0.21568628	0.57566935	1
WEST_ADREN	275	-0.4099651	-1.13777	0.3722334	0.57627547	1
DAIRKEE_TER	299	-0.4885585	-1.1320616	0.3697318	0.589414	1
ROME_INSUL	86	-0.4481734	-1.1316464	0.3759542	0.5895083	1
IZADPANAH_	114	-0.3593126	-1.1302102	0.24856597	0.59077054	1
TOOKER_RES	111	-0.3844552	-1.1254687	0.2019802	0.59861106	1
TOOKER_GEN	111	-0.3844552	-1.1254687	0.2019802	0.5998106	1
KEGG_ARACH	51	-0.4519492	-1.1251076	0.23800384	0.5982173	1
VANTVEER_B	207	-0.3635569	-1.1247321	0.31034482	0.59834594	1
JAZAG_TGFB1	99	-0.371744	-1.123764	0.22044088	0.5988704	1
SESTO_RESPC	64	-0.3829368	-1.121021	0.27724665	0.60244274	1
LIU_SOX4_TA	275	-0.3817637	-1.1196979	0.32815534	0.60513455	1
FERNANDEZ_	175	-0.3625211	-1.1196048	0.2620424	0.6042379	1
HUANG_DAS/	58	-0.3810321	-1.1151493	0.15686275	0.6107992	1
ROSTY_CERVI	127	-0.4558013	-1.1148914	0.36127743	0.61021346	1
DER_IFN_ALP	56	-0.3863511	-1.1145473	0.21917808	0.60882735	1
LEE_LIVER_CA	51	-0.4195087	-1.1145402	0.332696	0.6077005	1
LEE_RECENT_	98	-0.3462753	-1.1138343	0.2081712	0.60856587	1
HSIAO_HOUS	364	-0.3855977	-1.113719	0.29672447	0.6076923	1

LIU_NASOPH/	59	-0.385915	-1.1090871	0.23339659	0.6143487	1
PUJANA_BRC	388	-0.3429618	-1.1081359	0.1609658	0.61501926	1
DER_IFN_GAI	56	-0.410899	-1.1071697	0.21832359	0.6154242	1
MCBRYAN_PU	161	-0.3608815	-1.1048793	0.20231214	0.61702573	1
YAO_TEMPOI	71	-0.4195082	-1.1019137	0.36100388	0.6204504	1
MATSUDA_N.	397	-0.3274542	-1.099308	0.28375733	0.62375546	1
MAHAJAN_RI	59	-0.312027	-1.0963986	0.26530612	0.62705797	1
REACTOME_T	211	-0.3133526	-1.0919464	0.19959678	0.63400507	1
BOYLAN_MU	98	-0.3661209	-1.0915235	0.37704918	0.6341056	1
HELLER_HDA(	247	-0.3364086	-1.0872804	0.36237624	0.64402777	1
KEGG_CELL_C	119	-0.3864707	-1.0833633	0.39243028	0.6500959	1
PUJANA_XPR.	155	-0.3811128	-1.0803035	0.402863	0.6544248	1
PROVENZANI_	178	-0.3119761	-1.0803003	0.21471173	0.653285	1
WANG_CLIM:	150	-0.3438613	-1.0796276	0.29961088	0.6526676	1
PUIFFE_INVA:	74	-0.3808572	-1.0776199	0.32427186	0.65554255	1
REACTOME_C	55	-0.4785849	-1.0760766	0.42773438	0.65670586	1
WEI_MIR34A_	131	-0.3102503	-1.0751	0.2804878	0.6574501	1
ELVIDGE_HYP	54	-0.4082237	-1.0733055	0.31650487	0.66156006	1
KAYO_AGING	99	-0.4159857	-1.0712173	0.38728324	0.66308665	1
MARTINEZ_R	439	-0.2930113	-1.0692912	0.2485323	0.6636939	1
BOYLAN_MU	73	-0.3240312	-1.0690569	0.3225191	0.6632726	1
HAHTOLA_M'	102	-0.3253757	-1.0620123	0.24248497	0.679664	1
BLUM_RESPC	317	-0.3702589	-1.0618302	0.41338584	0.678901	1
HORIUCHI_W	273	-0.3679996	-1.0601991	0.3722334	0.6810416	1
ONDER_CDH:	152	-0.3758776	-1.0579518	0.37860084	0.6826063	1
DER_IFN_BET	78	-0.3955305	-1.0569249	0.32793522	0.68315494	1
GAURNIER_P:	53	-0.3544779	-1.0552689	0.31238094	0.6842891	1
CERVERA_SDI	106	-0.3301604	-1.0539551	0.46783626	0.6854173	1
KEGG_ANTIG	81	-0.3737024	-1.0506358	0.36022514	0.68862295	1
LIN_NPAS4_T	57	-0.3248476	-1.0476446	0.3031496	0.692432	1
MARTORIATI_	85	-0.3633533	-1.0470937	0.39453125	0.6930303	1
ZHU_CMV_24	53	-0.3680171	-1.0436509	0.39175257	0.6998216	1
FONTAINE_FC	60	-0.34014	-1.0398704	0.37721023	0.70901966	1
SMID_BREAST	153	-0.2915503	-1.0390773	0.3920792	0.7102946	1
DITTMER_PTI	69	-0.3371848	-1.0388869	0.3669903	0.7097871	1
JIANG_HYPOX	53	-0.4008202	-1.0385572	0.3625954	0.70952487	1
OUILLETTE_C	67	-0.3665491	-1.0383172	0.45364892	0.70804656	1
HOEBEKE_LYI	81	-0.352762	-1.0382442	0.36711282	0.7070532	1
MORI_SMALL	57	-0.3693739	-1.0329837	0.39321357	0.7204028	1
KEGG_CARDI/	70	-0.4133113	-1.032743	0.52115387	0.7199432	1
FARMER_BRE	298	-0.2924777	-1.0325378	0.47420636	0.71936417	1

TAKAO_RESP	82	-0.3504328	-1.0322977	0.41814595	0.7188021	1
HOSHIDA_LIV	68	-0.283112	-1.0304874	0.3192389	0.7228517	1
CHESLER_BRA	60	-0.3324119	-1.0293567	0.36272544	0.72464067	1
GRUETZMAN	183	-0.3056466	-1.0288798	0.41666666	0.7247442	1
ALCALA_APO	82	-0.3502962	-1.0285752	0.41060904	0.72462773	1
ICHIBA_GRAF	88	-0.396823	-1.0273074	0.40458015	0.7268128	1
YAO_TEMPOI	70	-0.3870886	-1.024348	0.43822393	0.72882193	1
LINDSTEDT_D	53	-0.363831	-1.0241903	0.40726578	0.72822094	1
TOOKER_RES	75	-0.404373	-1.0221282	0.5028791	0.730367	1
TOOKER_GEN	75	-0.404373	-1.0221282	0.5028791	0.73151904	1
YAGI_AML_SU	113	-0.2986885	-1.0208124	0.42447418	0.73204887	1
LOCKWOOD_	157	-0.3816338	-1.0200093	0.42857143	0.7328862	1
AMIT_EGF_RI	56	-0.2952578	-1.0182083	0.4488978	0.7330778	1
LEE_LIVER_CA	60	-0.3444166	-1.0166882	0.3816047	0.73339623	1
TAKEDA_TAR	159	-0.3135388	-1.0161191	0.49126214	0.7325618	1
POOLA_INVA	260	-0.2936435	-1.0146232	0.48554912	0.7347855	1
XU_GH1_AUT	157	-0.3230025	-1.013039	0.5106796	0.7363847	1
ACEVEDO_NC	315	-0.3915371	-1.0127143	0.52030945	0.73595923	1
MARTINEZ_R	493	-0.2651711	-1.0087678	0.46271512	0.742056	1
MARTINEZ_TI	494	-0.2734388	-1.0086303	0.45142856	0.74138844	1
LINDGREN_BI	106	-0.3187355	-1.0079539	0.500998	0.74188304	1
SCHLOSSER_S	97	-0.4050652	-1.0076109	0.45559844	0.74174523	1
WOO_LIVER_	76	-0.371278	-1.0068648	0.46564886	0.74284893	1
MAYBURD_RI	51	-0.4046713	-1.0061988	0.34808853	0.7424954	1
WANG_CISPL	126	-0.3419569	-1.0054569	0.47440946	0.7433551	1
RAMASWAMY	53	-0.3384594	-1.0046715	0.42074364	0.74290764	1
LEE_LIVER_CA	59	-0.3676456	-1.0024371	0.4815534	0.74717134	1
SENESE_HDAC	110	-0.2978038	-1.0023861	0.41617358	0.7461379	1
RIZKI_TUMOR	62	-0.3718867	-1.001459	0.5152672	0.7456128	1
PELLICCIOTTA	59	-0.4151308	-1.001345	0.4431599	0.7449962	1
RIZKI_TUMOR	179	-0.3098745	-1.0001413	0.5037879	0.7474916	1
RIGGINS_TAM	63	-0.3260548	-0.9946014	0.5009346	0.7548613	1
SWEET_LUNG	410	-0.3385793	-0.9944515	0.41346154	0.7541448	1
ENK_UV_RES	274	-0.3627843	-0.9904503	0.54385966	0.7562291	1
RIZKI_TUMOR	214	-0.3124524	-0.9840325	0.52998066	0.76868266	1
REACTOME_M	79	-0.4101688	-0.9837903	0.36619717	0.7679933	1
MITSIADES_R	219	-0.3760661	-0.9833235	0.45564517	0.76798356	1
JAZAG_TGFB1	95	-0.345918	-0.9827587	0.47206166	0.7681966	1
YAMASHITA_	54	-0.3552377	-0.9809061	0.4848485	0.7708841	1
SMID_BREAST	75	-0.3108173	-0.9804359	0.60365856	0.76984483	1
SHAFFER_IRF	95	-0.3360494	-0.9791313	0.48118812	0.7709234	1

ROSS_AML_C	67	-0.3438277	-0.9783158	0.53949904	0.7706256	1
IVANOVA_HE	120	-0.3528948	-0.9777002	0.5396518	0.7716081	1
DEURIG_T_CE	337	-0.3277135	-0.9772406	0.61950284	0.7716744	1
KIM_WT1_TA	120	-0.3043606	-0.9771964	0.50784314	0.7707165	1
RODWELL_AC	117	-0.3221055	-0.9762177	0.52112675	0.7711596	1
ENK_UV_RES	446	-0.3285475	-0.9714161	0.4657258	0.7765956	1
SCHUETZ_BR	326	-0.2587204	-0.9705526	0.58300394	0.7780966	1
KEGG_UBIQU	122	-0.3073748	-0.9702977	0.5666004	0.7766397	1
WANG_LMO4	291	-0.3060895	-0.9702168	0.48594376	0.775835	1
HOSHIDA_LIV	223	-0.3095534	-0.9676534	0.6052104	0.77858484	1
ODONNELL_T	117	-0.3899526	-0.9654841	0.5070994	0.78252065	1
SAKAI_CHROI	75	-0.3417657	-0.9618278	0.46137786	0.78427714	1
KEGG_VIBRIC	50	-0.369909	-0.9617921	0.44781783	0.78329176	1
SLEBOS_HEAI	67	-0.3728686	-0.9605607	0.4466403	0.78560245	1
TARTE_PLASM	74	-0.3805366	-0.959293	0.4949495	0.78693193	1
DOANE_BREA	65	-0.3233479	-0.9560806	0.6403846	0.7935546	1
CAIRO_HEPAT	250	-0.2934293	-0.9548129	0.525	0.79604614	1
JIANG_VHL_T	80	-0.3570948	-0.9545515	0.6539197	0.794529	1
KAYO_CALOR	61	-0.3557881	-0.9539402	0.46462715	0.7934869	1
WAMUNYOK(	121	-0.3406864	-0.9530064	0.6043307	0.7940593	1
ROZANOV_M	237	-0.2619145	-0.9517499	0.592803	0.79401904	1
DAVICIONI_M	160	-0.3127678	-0.9508251	0.4980695	0.7956671	1
RICKMAN_TU	101	-0.3380928	-0.9446272	0.56130266	0.8074123	1
DOANE_BREA	106	-0.2531155	-0.9439417	0.60940695	0.8071192	1
RICKMAN_MI	283	-0.2870836	-0.9433311	0.6	0.8074987	1
HOSHIDA_LIV	105	-0.3448028	-0.942555	0.6851145	0.80831254	1
AGUIRRE_PAI	209	-0.3073517	-0.936431	0.59655833	0.8186116	1
FONTAINE_FC	63	-0.3137474	-0.9361925	0.6103896	0.81810945	1
AMUNDSON_	147	-0.278187	-0.9356629	0.75936884	0.81601423	1
ONKEN_UVEA	481	-0.2429971	-0.9343532	0.76363635	0.81808656	1
VECCHI_GAST	120	-0.3656235	-0.9338912	0.48183557	0.81800383	1
ASTIER_INTEG	53	-0.2924691	-0.9276373	0.6990476	0.8261596	1
DOANE_RESP	166	-0.2970314	-0.9266563	0.60190475	0.82785386	1
WIELAND_UP	95	-0.3338194	-0.9236935	0.67241377	0.83217925	1
HOLLMAN_AI	183	-0.3001521	-0.9225384	0.5518591	0.8336994	1
BRUECKNER_	68	-0.2814288	-0.9206731	0.6904277	0.8341345	1
BILBAN_B_CL	59	-0.2940368	-0.9206262	0.57258064	0.8331968	1
CAIRO_LIVER_	203	-0.2669882	-0.9196979	0.67172676	0.8332192	1
SHEPARD_BM	142	-0.2828862	-0.9188023	0.69902915	0.8324424	1
HELLER_HDAC	243	-0.2811207	-0.9169477	0.711501	0.8317271	1
CHIANG_LIVE	151	-0.2974355	-0.9155186	0.51937985	0.83438736	1

FLECHNER_BI	499	-0.298811	-0.9151684	0.5550935	0.83405244	1
HOSHIDA_LIV	257	-0.3078447	-0.9147793	0.7251908	0.83388007	1
BHATI_G2M_	112	-0.3250134	-0.911683	0.6603053	0.83581674	1
REACTOME_F	153	-0.2436305	-0.9081653	0.5923077	0.8396795	1
KUMAR_TAR(	338	-0.2579385	-0.9071497	0.7343454	0.84094113	1
SCHUETZ_BRI	80	-0.2747019	-0.9054932	0.6284501	0.8407914	1
MARTINEZ_R	218	-0.3449727	-0.9013303	0.6099585	0.84678864	1
CAIRO_HEPA	188	-0.2864524	-0.9000708	0.666	0.8484675	1
SU_LIVER	54	-0.2990434	-0.8992533	0.6673152	0.84770817	1
GOLDRATH_A	292	-0.305927	-0.8979427	0.49902153	0.8497494	1
SEIDEN_ONC(	79	-0.3548252	-0.8976307	0.6020833	0.84859896	1
NIKOLSKY_BR	108	-0.3276146	-0.897614	0.6111111	0.8475847	1
LINDGREN_BI	289	-0.3314688	-0.8961681	0.5476673	0.84911627	1
REACTOME_(	78	-0.375043	-0.8952501	0.5412262	0.8503485	1
BROWNE_HC	171	-0.274107	-0.8922122	0.7737374	0.85450435	1
KANG_DOXO	50	-0.3639341	-0.8873357	0.6848485	0.8614031	1
BIDUS_META	175	-0.3773604	-0.8858271	0.6458753	0.8596656	1
AGUIRRE_PAI	262	-0.3270772	-0.8851425	0.7594697	0.8601408	1
ZHU_CMV_AI	71	-0.2822881	-0.8839456	0.65756303	0.86074567	1
HOFFMANN_	84	-0.3614145	-0.8829031	0.69818914	0.86189646	1
FARMER_BRE	303	-0.2697084	-0.8814256	0.75303644	0.8632857	1
BHATI_G2M_	102	-0.280622	-0.8786677	0.72904485	0.86730015	1
KOYAMA_SEM	198	-0.26486	-0.876282	0.8590476	0.8684702	1
KONDO_PRO	145	-0.2754374	-0.8753896	0.62815124	0.8687326	1
NATSUME_RE	65	-0.2841014	-0.8735826	0.75403225	0.8707923	1
ROSS_AML_V	72	-0.2956686	-0.8727115	0.6959847	0.8709751	1
LINDGREN_BI	337	-0.2924564	-0.8692275	0.61969113	0.8738992	1
ZHOU_INFLAI	330	-0.2928656	-0.866739	0.740458	0.8741089	1
ZHOU_INFLAI	330	-0.2928656	-0.866739	0.740458	0.8751194	1
IWANAGA_CA	136	-0.2806022	-0.8666261	0.80730224	0.87337893	1
MULLIGHAN_	66	-0.3344865	-0.8643585	0.65725046	0.87558186	1
SPIELMAN_LY	441	-0.3247343	-0.8628827	0.63584906	0.87777865	1
MARKEY_RB1	188	-0.2904491	-0.8620555	0.8854962	0.87846506	1
DITTMER_PTI	106	-0.3434042	-0.8612489	0.6961538	0.87900627	1
MARKEY_RB1	105	-0.2967989	-0.8600718	0.7010101	0.87982064	1
RODWELL_AC	108	-0.2637229	-0.857745	0.7234469	0.8842135	1
RUTELLA_RES	383	-0.2605397	-0.8571928	0.77115387	0.8845832	1
SENGUPTA_N	343	-0.2907109	-0.8569896	0.5932914	0.88397676	1
STEIN_ESR1_	78	-0.3186398	-0.8562509	0.61676645	0.88259596	1
LIU_PROSTAT	82	-0.2957766	-0.855306	0.6796116	0.88348216	1
REACTOME_F	81	-0.3089139	-0.8543689	0.672	0.88473487	1

MILI_PSEUDC	405	-0.3346343	-0.8538587	0.6380753	0.88475466	1
BROWNE_HC	143	-0.2548392	-0.8529682	0.82751936	0.8856205	1
KEGG_PPAR_	66	-0.3221043	-0.8506193	0.7476099	0.88775945	1
LEE_LIVER_CA	71	-0.3077478	-0.8480868	0.76620823	0.89154917	1
BONOME_OV	221	-0.2540836	-0.8459849	0.8778626	0.89208215	1
UEDA_PERIFE	128	-0.267193	-0.8438611	0.7534517	0.8943381	1
OUILLETTE_C	56	-0.3116391	-0.8423911	0.7561905	0.896265	1
LU_AGING_BI	144	-0.2551121	-0.8414801	0.740519	0.8951121	1
CHIANG_LIVE	136	-0.2922877	-0.8396241	0.6472946	0.89716476	1
LIU_VAV3_PR	84	-0.2807069	-0.8386084	0.801636	0.8979248	1
BANDRES_RE	136	-0.3041973	-0.8375271	0.6780952	0.8965441	1
LANDIS_ERBE	130	-0.2651681	-0.8342724	0.8181818	0.8980462	1
LIEN_BREAST	96	-0.2477619	-0.8337745	0.7552182	0.8973147	1
CHUNG_BLIST	115	-0.3758003	-0.8324079	0.8244275	0.89688206	1
BENPORATH_	260	-0.2603228	-0.8315069	0.8145161	0.896825	1
DACOSTA_UV	286	-0.3322809	-0.8283957	0.665392	0.89761573	1
PUIFFE_INVA	127	-0.2464297	-0.825785	0.8762089	0.901547	1
ROSS_ACUTE_	75	-0.2732314	-0.8257077	0.83778626	0.9007997	1
SENESE_HDA	445	-0.2427111	-0.8228235	0.9292543	0.90413415	1
MARTINEZ_R	60	-0.3154635	-0.8223677	0.66795367	0.90321195	1
BYSTRYKH_HI	106	-0.273853	-0.8219459	0.7981132	0.902039	1
SETLUR_PROS	62	-0.2599259	-0.8150966	0.90548205	0.9087158	1
WATANABE_I	86	-0.2901737	-0.8126655	0.86612576	0.9127322	1
NGUYEN_NOT	61	-0.2886415	-0.8119819	0.8217054	0.9130655	1
WALLACE_PR	265	-0.2653019	-0.8096488	0.73457944	0.91461027	1
WINTER_HYP	211	-0.2794309	-0.8094928	0.72848946	0.91390306	1
RUTELLA_RES	366	-0.2448901	-0.8073219	0.93032014	0.91431534	1
KEGG_OOCYT	106	-0.2822633	-0.806928	0.7559055	0.9140155	1
KIM_WT1_TA	416	-0.2605581	-0.806675	0.82270914	0.9134137	1
LE_EGR2_TAR	92	-0.2714395	-0.8065515	0.7983871	0.9128009	1
GRABARCZYK	63	-0.2964406	-0.8062483	0.8023952	0.91247815	1
BROWNE_HC	207	-0.2601065	-0.8058392	0.82835823	0.91226524	1
SMID_BREAST	128	-0.2616979	-0.8055444	0.84250474	0.91001904	1
LEE_LIVER_CA	61	-0.3057366	-0.8013715	0.7457306	0.9106787	1
TSENG_IRS1_	111	-0.2297818	-0.7970244	0.97137403	0.91685843	1
FLECHNER_PB	145	-0.2725078	-0.7934017	0.8298279	0.9205074	1
ROVERSI_GLI	81	-0.2962192	-0.7911503	0.6977186	0.9222958	1
HADDAD_T_L	59	-0.2767328	-0.7899646	0.8904959	0.9223327	1
NING_CHRON	57	-0.2870721	-0.7894023	0.780303	0.92237896	1
SU_TESTIS	75	-0.3094584	-0.7888103	0.79116464	0.9223165	1
COLDREN_GE	198	-0.2041221	-0.7841621	0.9442231	0.9280222	1

CHAUHAN_RI	91	-0.2599164	-0.7798342	0.84644914	0.92807543	1
MULLIGHAN_	147	-0.2710086	-0.7790073	0.83870965	0.9270181	1
GAL_LEUKEM	228	-0.2423286	-0.77823	0.84190476	0.92741996	1
ENK_UV_RES	500	-0.2892262	-0.7773304	0.74857146	0.92778677	1
HOSHIDA_LIV	110	-0.2496625	-0.7765051	0.85979384	0.9272498	1
FURUKAWA_	61	-0.2710258	-0.7746694	0.79962546	0.92918026	1
SENGUPTA_N	247	-0.2941559	-0.7740096	0.7095436	0.929273	1
MULLIGHAN_	111	-0.2921068	-0.7712747	0.82649255	0.9308273	1
WILCOX_PRE	138	-0.2917172	-0.7708877	0.8832998	0.93050575	1
BROWNE_HC	273	-0.2303934	-0.7685891	0.88385826	0.9302829	1
FARMER_BRE	308	-0.2524852	-0.7677495	0.87525153	0.9306177	1
DAZARD_RES	76	-0.2916238	-0.7673611	0.8792757	0.9303122	1
TURASHVILI_	55	-0.2700284	-0.7646492	0.85287845	0.9337436	1
HOOI_ST7_TA	77	-0.2966016	-0.7599952	0.8485477	0.93533754	1
REACTOME_M	212	-0.255204	-0.7577043	0.905303	0.9370708	1
SMITH_TERT_	65	-0.3152388	-0.7568986	0.9351145	0.93742955	1
BROWNE_HC	208	-0.2413174	-0.753243	0.9694501	0.93907964	1
LANDIS_BREA	61	-0.225582	-0.7483723	0.94219655	0.94185543	1
LEE_LIVER_CA	53	-0.27608	-0.7481397	0.94015443	0.9412167	1
TURASHVILI_	60	-0.2797666	-0.747795	0.9526749	0.94080156	1
BONCI_TARG	80	-0.2558667	-0.7457694	0.8961303	0.9396484	1
BROWNE_HC	79	-0.239701	-0.7434099	0.9580838	0.9401598	1
DING_LUNG_	93	-0.2828725	-0.737722	0.828866	0.9432354	1
NING_CHRON	68	-0.3128604	-0.7370656	0.7169811	0.94307405	1
GINESTIER_BI	61	-0.2859843	-0.7299922	0.802521	0.94889814	1
VANTVEER_B	98	-0.2729015	-0.726835	0.89134806	0.947888	1
SCIBETTA_KD	70	-0.270724	-0.7265728	0.7729084	0.9473695	1
KEGG_TIGHT_	125	-0.2121862	-0.7258444	0.9701789	0.9475045	1
NIKOLSKY_BR	101	-0.2260089	-0.7255135	0.91791046	0.94701326	1
AMUNDSON_	84	-0.2783401	-0.7250298	0.97137403	0.94589376	1
NAKAYAMA_S	77	-0.2128104	-0.7238988	0.890595	0.9462871	1
KOKKINAKIS_	128	-0.2422213	-0.7196002	0.7274472	0.94749206	1
CHIARADONN	134	-0.2726491	-0.7178737	0.9717514	0.94687814	1
HSIAO_LIVER_	232	-0.2261119	-0.7161241	0.9337121	0.9464838	1
MUNSHI_MU	55	-0.2878308	-0.7100655	0.857685	0.94741523	1
PROVENZANI_	130	-0.2597885	-0.7020589	0.9082218	0.955176	1
KIM_GASTRIC	92	-0.2837916	-0.6987378	0.79664177	0.9578551	1
ACEVEDO_LIV	482	-0.2445096	-0.6968145	0.91729325	0.957867	1
MILI_PSEUDC	54	-0.2594633	-0.6917952	0.90631366	0.95866984	1
DELYS_THYRC	392	-0.2129058	-0.6910699	0.9714286	0.9585902	1
NIKOLSKY_BR	133	-0.2735274	-0.6794151	0.8383459	0.9647341	1

RADMACHER	69	-0.2398906	-0.6726118	0.9265873	0.9691358	1
DASU_IL6_SI	56	-0.2615259	-0.6698028	0.89341086	0.96939325	1
SENESE_HDA	106	-0.2385291	-0.661691	0.9531568	0.9702911	1
WAMUNYOK	227	-0.2490672	-0.6374595	0.9720149	0.9754081	1
KEGG_LONG_	67	-0.2131573	-0.6278753	0.97115386	0.9755457	1
NIKOLSKY_BR	299	-0.2533623	-0.6230111	0.9720149	0.9762877	1
GEORGES_CE	58	-0.2531993	-0.6112686	0.920082	0.98059565	1

RANK AT MA) LEADING EDGE

3049 tags=47%, list=15%, signal=55%
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1722 tags=65%, list=8%, signal=71%
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3651 tags=27%, list=18%, signal=33%
4387 tags=28%, list=21%, signal=35%
4012 tags=33%, list=19%, signal=41%
4114 tags=37%, list=20%, signal=45%
2217 tags=16%, list=11%, signal=18%
3966 tags=37%, list=19%, signal=45%
3750 tags=30%, list=18%, signal=36%
4968 tags=36%, list=24%, signal=47%
3236 tags=20%, list=16%, signal=23%
3347 tags=22%, list=16%, signal=25%
4045 tags=36%, list=20%, signal=44%
3387 tags=29%, list=16%, signal=35%
2760 tags=14%, list=13%, signal=16%

3995 tags=33%, list=19%, signal=41%
4261 tags=29%, list=21%, signal=37%
4045 tags=24%, list=20%, signal=30%
3050 tags=14%, list=15%, signal=16%
3399 tags=23%, list=16%, signal=27%
2402 tags=19%, list=12%, signal=21%
2879 tags=29%, list=14%, signal=33%
2733 tags=16%, list=13%, signal=18%
3680 tags=30%, list=18%, signal=36%
3571 tags=19%, list=17%, signal=23%
2579 tags=15%, list=12%, signal=18%
3732 tags=22%, list=18%, signal=27%
2879 tags=10%, list=14%, signal=12%
3718 tags=33%, list=18%, signal=40%
3410 tags=23%, list=17%, signal=28%
3917 tags=34%, list=19%, signal=41%
4585 tags=35%, list=22%, signal=44%
2873 tags=20%, list=14%, signal=23%
3763 tags=22%, list=18%, signal=27%
4746 tags=40%, list=23%, signal=52%
3234 tags=25%, list=16%, signal=29%
5022 tags=39%, list=24%, signal=51%
3044 tags=24%, list=15%, signal=29%
2044 tags=16%, list=10%, signal=18%
2042 tags=12%, list=10%, signal=14%
1762 tags=16%, list=9%, signal=17%
4295 tags=28%, list=21%, signal=34%
4177 tags=25%, list=20%, signal=31%
2627 tags=22%, list=13%, signal=24%
3687 tags=28%, list=18%, signal=34%
3274 tags=33%, list=16%, signal=39%
1989 tags=13%, list=10%, signal=14%
1480 tags=10%, list=7%, signal=11%
878 tags=7%, list=4%, signal=7%
2808 tags=14%, list=14%, signal=17%
4519 tags=41%, list=22%, signal=52%
3526 tags=22%, list=17%, signal=27%
2042 tags=15%, list=10%, signal=17%
2357 tags=23%, list=11%, signal=26%
4215 tags=33%, list=20%, signal=42%
3878 tags=15%, list=19%, signal=18%

3382 tags=30%, list=16%, signal=35%
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3841 tags=19%, list=19%, signal=22%
3126 tags=21%, list=15%, signal=25%

1984 tags=13%, list=10%, signal=14%
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3858 tags=16%, list=19%, signal=20%
2187 tags=16%, list=11%, signal=17%
4678 tags=43%, list=23%, signal=56%