Table: Gene sets enriched in phenotype *Mettl14 (3 samples)* **[plain text format]**

	Shorthand Name for Figure	Gene Set Name(collapsed to mouse orthologs)	GS DETAILS	SIZE	ES	NES	NOM p-val	FDR q-val	FWER p-val	RANK AT MAX	LEADING EDGE
2	Signature upregulated genes: invasive hepatoblastoma	CAIRO_LIVER_DEVELOPMENT_UP	Details ...	90	0.34	1.61	0	0.902	0.968	1236	tags=23%, list=12%, signal=26%
3	c-Myc targets: hepatocyte proliferation and regeneration	YU_MYC_TARGETS_UP	Details ...	27	0.44	1.66	0.016	0.983	0.931	481	tags=22%, list=5%, signal=23%
20		GAUSSMANN_MLL_AF4_FUSION_TARGETS_D_UP	Details ...	18	0.44	1.46	0.075	0.693	1	1050	tags=28%, list=10%, signal=31%
4	signature upregulated HNF1A targets: hepatocellular carcinoma state	SERVITIA_LIVER_HNF1A_TARGETS_UP	Details ...	89	0.33	1.6	0	0.748	0.978	1062	tags=31%, list=11%, signal=35%
7	Sphingolipid metabolism	REACTOME_SPHINGOLIPID_METABOLISM	Details ...	54	0.34	1.5	0	0.791	0.998	562	tags=17%, list=6%, signal=18%
1	Fatty acid metabolism	WP_FATTY_ACID_BIOSYNTHESIS	Details ...	21	0.49	1.7	0.013	1	0.871	1692	tags=38%, list=17%, signal=46%
9	Mitochondrial fatty acid beta oxidation	REACTOME_MITOCHONDRIAL_FATTY_ACID_BETA_OXIDATION	Details ...	34	0.39	1.51	0.021	0.835	0.997	1282	tags=26%, list=13%, signal=30%
19	PPAR signaling pathway	WP_PPAR_SIGNALING_PATHWAY	Details ...	58	0.3	1.31	0.061	0.821	1	1507	tags=29%, list=15%, signal=34%
6	signature upregulated HFN4A targets: hepatocellular carcinoma	CHIQUOIR_LIVER_HNF4A_TARGETS_DC	Details ...	27	0.4	1.48	0.066	0.676	0.999	1275	tags=37%, list=13%, signal=42%
40		REACTOME_FATTY_ACID_METABOLISM		119	0.24	1.16	0.085	0.837	1	1302	tags=22%, list=13%, signal=27%
11		WP_SPHINGOLIPID_METABOLISM_OVERVIEW	Details ...	16	0.44	1.38	0.107	0.963	1	486	tags=25%, list=5%, signal=26%
12		WP_SPHINGOLIPID_METABOLISM_INTEGRATED_PATHWAY	Details ...	16	0.44	1.38	0.11	0.887	1	486	tags=25%, list=5%, signal=26%
14		REACTOME_SPHINGOLIPID_DE_NOVO_BIOSYNTHESIS	Details ...	15	0.42	1.35	0.113	0.885	1	486	tags=20%, list=5%, signal=21%
28		WENG_POR_TARGETS_LIVER_UP		46	0.28	1.22	0.133	0.897	1	562	tags=17%, list=7%, signal=19%
22	Classic adipogenic targets of PPARG	WANG_CLASSIC_ADIPOGENIC_TARGETS_OF_PPARG		21	0.37	1.29	0.143	0.786	1	1412	tags=38%, list=14%, signal=44%
56	Nucleotide di and triphosphate conversion	REACTOME_INTERCONVERSION_OF_NUCLEOTIDE_DI_AND_TRIPHOSPHATES		19	0.32	1.08	0.352	0.88	1	399	tags=16%, list=4%, signal=16%
79	RNA polymerase III transcription	REACTOME_RNA_POLYMERASE_III_TRANSCRIPTION		31	0.26	0.98	0.474	0.924	1	1273	tags=29%, list=13%, signal=33%
90	Metabolism of Nucleotides	REACTOME_METABOLISM_OF_NUCLEOTIDES		72	0.2	0.94	0.611	0.949	1	1618	tags=24%, list=16%, signal=28%
112	Nucleotide salvage	REACTOME_NUCLEOTIDE_SALVAGE		17	0.26	0.85	0.711	0.971	1	1200	tags=24%, list=12%, signal=27%
135	Trans-lesion synthesis by PolH, DNA damage repair	REACTOME_TRANSLESION_SYNTHESIS_BY_POLH		17	0.24	0.74	0.8	0.992	1	991	tags=18%, list=10%, signal=20%
129	rRNA processing in nucleolus and cytosol	REACTOME_MAJOR_PATHWAY_OF_RRNA_PROCESSING_IN_THE_NUCLEOLUS_AND_CYTOSOL		167	0.15	0.78	1	0.975	1	1524	tags=17%, list=15%, signal=20%
20		REACTOME_RECRUITMENT_OF_NUMA_TO_MITOTIC_CENTROSOMES	Details ...	64	0.3	1.31	0.051	0.785	1	628	tags=16%, list=6%, signal=17%
44		REACTOME_REGULATION_OF_PLK1_ACTIVITY_AT_G2_M_TRANSITION		66	0.26	1.15	0.177	0.799	1	991	tags=17%, list=10%, signal=18%
30		REACTOME_MISCELLANEOUS_TRANSPORT_AND_BINDING_EVENTS		16	0.36	1.15	0.249	0.769	1	707	tags=19%, list=7%, signal=20%
29		LAZARO_GENETIC_MOUSE_MODEL_HIGH_GRADE_LARGE_CELL_NEUROENDOCRINE_LUNG_CARCINOMA_DN		222	0.21	1.21	0	0.895	1	1541	tags=24%, list=15%, signal=28%
5		MCCLUNG_COCAINE_REWARD_5D	Details ...	38	0.4	1.59	0.013	0.62	0.981	349	tags=16%, list=3%, signal=16%
35		SOVLAN_MULTIPLE_MYELOMA_PCA3_UP	Details ...	58	0.31	1.35	0.029	0.861	1	1398	tags=31%, list=14%, signal=36%
13		REACTOME_CARDIAC_CONDUCTION	Details ...	29	0.37	1.38	0.051	0.843	1	1604	tags=31%, list=16%, signal=37%
8		CUI_TCF21_TARGETS_DN	Details ...	19	0.45	1.49	0.058	0.742	0.999	1150	tags=37%, list=11%, signal=41%
16		REACTOME_DOWNREGULATION_OF_TGF_BETA_RECEPTOR_SIGNALING	Details ...	15	0.41	1.34	0.097	0.841	1	991	tags=27%, list=10%, signal=30%
24		WENG_POR_TARGETS_GLOBAL_DN		23	0.35	1.28	0.104	0.777	1	1302	tags=39%, list=13%, signal=45%
21		REACTOME_SYNTHESIS_OF_IP3_AND_IP4_IN_THE_CYTOSOL		15	0.4	1.3	0.115	0.8	1	1025	tags=33%, list=10%, signal=37%
17		WENG_POR_DOSAGE	Details ...	22	0.39	1.33	0.122	0.838	1	599	tags=27%, list=6%, signal=29%
27		REACTOME_AURKA_ACTIVATION_BY_TPX2		53	0.29	1.23	0.122	0.877	1	504	tags=13%, list=5%, signal=14%
18		GAUSSMANN_MLL_AF4_FUSION_TARGETS_F_DN	Details ...	21	0.39	1.32	0.128	0.836	1	779	tags=29%, list=8%, signal=31%
47		SANSOM_APC_TARGETS_REQUIRE_MYC		155	0.22	1.15	0.143	0.754	1	1314	tags=21%, list=13%, signal=23%
26		REACTOME_SYNTHESIS_OF_PC		18	0.38	1.27	0.145	0.75	1	179	tags=11%, list=2%, signal=11%
34		MCCLUNG_CREB1_TARGETS_DN		40	0.3	1.19	0.155	0.865	1	95	tags=10%, list=1%, signal=10%
23		ZHENG_IL22_SIGNALING_DN		19	0.37	1.28	0.162	0.8	1	1368	tags=26%, list=14%, signal=30%
33		BURTON_ADIPOGENESIS_PEAK_AT_8HR		31	0.31	1.19	0.172	0.856	1	704	tags=19%, list=7%, signal=21%
39		CHEBOTAEV_GR_TARGETS_DN		58	0.26	1.17	0.177	0.797	1	664	tags=19%, list=7%, signal=20%
25		WP_EICOSANOID_METABOLISM_VIA_LIPOXYGENASES_LOX		17	0.39	1.27	0.18	0.777	1	615	tags=24%, list=6%, signal=25%
32		HEVNER_CORTEX_CAUDAL_SUBVENTRICULAR_ZONE		19	0.35	1.2	0.186	0.866	1	1045	tags=21%, list=10%, signal=23%
36		REACTOME_G_PROTEIN_MEDIATED_EVENTS		22	0.33	1.18	0.186	0.826	1	1025	tags=27%, list=10%, signal=30%
30		WANG_ADIPOGENIC_GENES_REPRESSED_BY_SIRT1		22	0.34	1.2	0.189	0.899	1	610	tags=18%, list=6%, signal=19%
38		REACTOME_GLYCOSPHINGOLIPID_CATABOLISM		25	0.33	1.18	0.197	0.817	1	562	tags=16%, list=6%, signal=17%
41		ZHENG_IL22_SIGNALING_UP		33	0.3	1.16	0.2	0.819	1	292	tags=12%, list=3%, signal=12%
35		WP_CHOLESTEROL_METABOLISM_WITH_BLOCH_AND_KANDUTSCH_RUSSELL_PATHWAYS		47	0.28	1.18	0.203	0.849	1	567	tags=17%, list=6%, signal=18%
31		REACTOME_METABOLISM_OF_COFACTORS		15	0.38	1.2	0.216	0.877	1	382	tags=20%, list=4%, signal=21%
37		TSENG_ADIPOGENIC_POTENTIAL_UP		38	0.35	1.18	0.239	0.817	1	1395	tags=44%, list=14%, signal=51%
43		REACTOME_FORMATION_OF_THE_BETA_CATENIN_TCF_TRANSACTIVATING_COMPLEX		17	0.36	1.16	0.244	0.791	1	909	tags=30%, list=9%, signal=39%
48		ZHANG_GATA6_TARGETS_DN		24	0.32	1.15	0.246	0.743	1	1147	tags=29%, list=11%, signal=33%
52		WP_PRIMARY_FOCAL_SEGMENTAL_GLOMERULOSCLEROSIS_FSGS		45	0.26	1.1	0.254	0.872	1	364	tags=9%, list=4%, signal=9%
57		YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_11		92	0.22	1.07	0.26	0.912	1	1412	tags=18%, list=14%, signal=21%
49		HU_GENOTOXIN_ACTION_DIRECT_VS_INDIRECT_4HR		23	0.33	1.14	0.273	0.754	1	1	tags=4%, list=0%, signal=4%
45		BIOCARTA_CCR5_PATHWAY		15	0.37	1.15	0.294	0.785	1	1287	tags=40%, list=13%, signal=46%
51		MCCLUNG_DELTA_FOSB_TARGETS_2WK		23	0.32	1.11	0.297	0.824	1	1190	tags=30%, list=12%, signal=34%
53		REACTOME_FATTY_ACYL_COA_BIOSYNTHESIS		25	0.3	1.09	0.304	0.892	1	1154	tags=28%, list=11%, signal=32%
42		REACTOME_AZATHIOPRINE_ADME		17	0.37	1.16	0.308	0.805	1	1598	tags=41%, list=16%, signal=49%
54		TERAMOTO_OPN_TARGETS_CLUSTER_6		16	0.34	1.08	0.313	0.899	1	471	tags=25%, list=5%, signal=26%
59		WORSCHECH_TUMOR_REJECTION_UP		24	0.29	1.05	0.313	0.943	1	757	tags=17%, list=7%, signal=18%
50		NADLER_OBESITY_DN		45	0.27	1.12	0.323	0.824	1	848	tags=24%, list=8%, signal=27%
55		REACTOME_DNA_DAMAGE_TELOMERE_STRESS_INDUCED_SENESCENCE		16	0.36	1.08	0.326	0.896	1	257	tags=13%, list=3%, signal=13%
58		REACTOME_SIGNAL_AMPLIFICATION		19	0.31	1.05	0.368	0.943	1	1425	tags=47%, list=14%, signal=55%
60		REACTOME_OPIOID_SIGNALLING		37	0.26	1.04	0.368	0.982	1	1025	tags=27%, list=10%, signal=30%
61		HEVNER_INTERMEDIATE_ZONE_AND_UP_POSTMITOTIC_NEURONS		21	0.31	1.03	0.389	1	1	689	tags=14%, list=7%, signal=15%
62		WP_GPCRS_ODORANT		17	0.32	1.02	0.398	1	1	1294	tags=53%, list=24%, signal=69%
65		WP_PURINE_METABOLISM		108	0.2	1.01	0.404	1	1	1618	tags=26%, list=16%, signal=31%
68		GROSS_HYPOXIA_VIA_ELK3_ONLY_DN		31	0.26	1	0.435	0.986	1	1287	tags=26%, list=13%, signal=29%
67		WENG_POR_TARGETS_GLOBAL_UP		22	0.29	1.01	0.436	0.998	1	848	tags=23%, list=8%, signal=25%
70		RAMPON_ENRICHED_LEARNING_ENVIRONMENT_LATE_UP		15	0.32	1	0.44	0.976	1	440	tags=13%, list=4%, signal=14%
85		REACTOME_IKK_COMPLEX_RECRUITMENT_MEDIATED_BY_RIP1		18	0.3	0.96	0.441	0.917	1	991	tags=17%, list=10%, signal=18%
69		NADLER_HYPERGLYCEMIA_AT_OBESITY		38	0.25	1	0.451	0.978	1	1575	tags=32%, list=16%, signal=37%
66		BERENJENO_TRANSFORMED_BY_RHOA_FOREVER_UP		19	0.3	1.01	0.452	1	1	593	tags=21%, list=6%, signal=22%
77		WP_MITOCHONDRIAL_LONG_CHAIN_FATTY_ACID_BETA_OXIDATION		16	0.3	0.99	0.453	0.933	1	610	tags=19%, list=6%, signal=20%
78		SERVITIA_ILET_HNF1A_TARGETS_UP		88	0.21	1	0.459	0.965	1	1233	tags=22%, list=12%, signal=24%
72		REACTOME_GLYCOSPHINGOLIPID_METABOLISM		31	0.27	1	0.46	0.956	1	562	tags=13%, list=6%, signal=14%
73		REACTOME_TP53_REGULATES_TRANSCRIPTION_OF_CELL_CYCLE_GENES		23	0.28	0.99	0.462	0.959	1	193	tags=13%, list=2%, signal=13%
74		HOLLERN_SQUAMOUS_BREAST_TUMOR		38	0.25	0.99	0.463	0.956	1	1716	tags=34%, list=17%, signal=41%
75		MARSHALL_VIRAL_INFECTION_RESPONSE_DN		17	0.31	0.99	0.463	0.946	1	1280	tags=29%, list=13%, signal=34%
83		REACTOME_SIGNALING_BY_HIPPO		19	0.29	0.97	0.465	0.915	1	172	tags=11%, list=2%, signal=11%
63		BOYLAN_MULTIPLE_MYELOMA_C_DN		43	0.24	1.02	0.466	0.987	1	1270	tags=28%, list=13%, signal=32%
84		REACTOME_MITOTIC_PROMETAPHASE		129	0.2	1.02	0.468	0.977	1	825	tags=13%, list=8%, signal=14%
80		HEVNER_CORTICAL_PLATE_POSTMITOTIC_PROJECTION_NEURONS		52	0.23	0.98	0.468	0.924	1	101	tags=9%, list=1%, signal=9%
81		BIOCARTA_EDG1_PATHWAY		17	0.3	0.97	0.468	0.93	1	555	tags=18%, list=5%, signal=19%
82		RAO_BOUND_BY_SALL4_ISOFORM_A		101	0.2	0.97	0.475	0.924	1	938	tags=14%, list=9%, signal=15%
84		DARWICHE_PAPILLOMA_PROGRESSION_RISK		37	0.24	0.97	0.494	0.914	1	1092	tags=24%, list=11%, signal=27%
89		REACTOME_SYNTHESIS_OF_VERY_LONG_CHAIN_FATTY_ACYL_COAS		15	0.31	0.94	0.494	0.957	1	993	tags=27%, list=10%, signal=30%
78		REACTOME_RAC3_GTPASE_CYCLE		61	0.22	0.98	0.508	0.93	1	1104	tags=16%, list=11%, signal=18%
76		REACTOME_ACTIVATION_OF_ATR_IN_RESPONSE_TO_REPLICATION_STRESS		23	0.29	0.99	0.522	0.939	1	1115	tags=26%, list=11%, signal=29%
87		REACTOME_CA2_PATHWAY		25	0.26	0.95	0.542	0.936	1	1133	tags=28%, list=11%, signal=31%
86		NABA_ECM_AFFILIATED		52	0.22	0.96	0.571	0.937	1	498	tags=12%, list=5%, signal=12%
91		WP_EICOSANOID_METABOLISM_VIA_CYCLOOXYGENASES_COX		16	0.29	0.91	0.581	1	1	1721	tags=36%, list=17%, signal=43%
88		REACTOME_MUSCLE_CONTRACTION		51	0.22	0.94	0.59	0.957	1	1604	tags=24%, list=16%, signal=28%
101		HOFFMANN_PRE_BI_TO_LARGE_PRE_BII_LYMPHOCYTE_UP		15	0.28	0.88	0.6	0.996	1	2199	tags=53%, list=22%, signal=68%
97		DAWSON_METHYLATED_IN_LYMPHOMA_TCL1		21	0.26	0.9	0.607	1	1	7464	tags=100%, list=74%, signal=382%
94		GERHOLD_ADIPOGENESIS_UP		42	0.22	0.91	0.608	1	1	1154	tags=24%, list=11%, signal=27%
93		REACTOME_TELOMERE_C_STRAND_LAGGING_STRAND_SYNTHESIS		23	0.26	0.91	0.619	1	1	1114	tags=22%, list=11%, signal=24%
105		BIOCARTA_G1_PATHWAY		17	0.27	0.88	0.62	0.972	1	652	tags=18%, list=6%, signal=19%
104		BIOCARTA_CASPASE_PATHWAY		17	0.27	0.88	0.623	0.976	1	2126	tags=53%, list=21%, signal=67%
96		SCHUNGEMANN_SKIN_CARCINOGENESIS_TPA_DN		17	0.28	0.9	0.624	1	1	607	tags=18%, list=6%, signal=19%
99		WP_GLUTATHIONE_METABOLISM		15	0.28	0.89	0.628	0.997	1	520	tags=13%, list=5%, signal=14%
100		ISHIDA_E2F_TARGETS		31	0.24	0.89	0.629	1	1	346	tags=13%, list=3%, signal=13%
111		MATZUK_SPERMATID_DIFFERENTIATION		19	0.25	0.86	0.636	0.987	1	533	tags=11%, list=5%, signal=11%
95		REACTOME_BASE_EXCISION_REPAIR		25	0.25	0.9	0.644	1	1	516	tags=12%, list=5%, signal=13%
98		REACTOME_PEROXISOMAL_LIPID_METABOLISM		24	0.26	0.89	0.651	0.998	1	1765	tags=42%, list=17%, signal=50%
107		WP_TRACYLGLYCERINE_SYNTHESIS		18	0.26	0.88	0.651	0.964	1	1213	tags=22%, list=12%, signal=25%
103		LIANG_HEMATOPOIESIS_STEM_CELL_NUMBER_SMALL_VS_HUGE_UP		32	0.24	0.88	0.658	0.978	1	1520	tags=20%, list=15%, signal=23%
114		REACTOME_RESOLUTION_OF_D_LOOP_STRUCTURES		16	0.28	0.85	0.659	0.957	1	2053	tags=44%, list=20%, signal=55%
119		REACTOME_FANCONI_ANEMIA_PATHWAY		20	0.24	0.83	0.672	0.972	1	1065	tags=20%, list=11%, signal=22%
110		KAMINNGA_E2H2_TARGETS		29	0.23	0.86	0.674	0.968	1	316	tags=10%, list=3%, signal=11%
106		REACTOME_SYNTHESIS_OF_SUBSTRATES_IN_N_GLYCAN_BIOSYTHESIS		38	0.22	0.88	0.675	0.971	1	874	tags=18%, list=9%, signal=20%
92		WP_CYTOPLASMIC_RIBOSOMAL_PROTEINS		77	0.2	0.91	0.688	1	1	6994	tags=96%, list=69%, signal=[illegible]
124		REACTOME_POLYMERASE_SWITCHING_ON_THE_C_STRAND_OF_THE_TELOMERE		17	0.25	0.81	0.702	0.962	1	1114	tags=24%, list=11%, signal=26%
115		REACTOME_CHONDROITIN_SULFATE_DERMATAN_SULFATE_METABOLISM		26	0.23	0.85	0.706	0.954	1	646	tags=12%, list=6%, signal=12%
116		REACTOME_VITAMIN_B5_PANTOTHENATE_METABOLISM		15	0.26	0.84	0.715	0.977	1	1154	tags=27%, list=11%, signal=30%
113		REACTOME_HEPARAN_SULFATE_HEPARIN_HS_GAG_METABOLISM		29	0.23	0.85	0.718	0.964	1	695	tags=17%, list=7%, signal=18%
121		REACTOME_ION_HOMEOSTASIS		21	0.24	0.83	0.726	0.959	1	1505	tags=29%, list=15%, signal=34%
122		REACTOME_PURINE_CATABOLISM		15	0.26	0.82	0.73	0.964	1	7463	tags=100%, list=74%, signal=382%
118		REACTOME_GLUTATHIONE_CONJUGATION		29	0.23	0.83	0.735	0.969	1	848	tags=17%, list=8%, signal=19%
117		SHETH_LIVER_CANCER_VS_TINIP_LOSS_PAM5		35	0.21	0.83	0.736	0.973	1	1535	tags=29%, list=15%, signal=34%
109		REACTOME_RND1_GTPASE_CYCLE		29	0.22	0.86	0.741	0.976	1	1620	tags=31%, list=16%, signal=37%
108		COATES_MACROPHAGE_M1_VS_M2_UP		64	0.19	0.87	0.755	0.96	1	890	tags=14%, list=9%, signal=15%
123		REACTOME_ION_TRANSPORT_BY_P_TYPE_ATPASES		25	0.22	0.82	0.759	0.962	1	1505	tags=28%, list=15%, signal=33%
102		BURTON_ADIPOGENESIS_3		59	0.19	0.88	0.794	0.987	1	1443	tags=20%, list=14%, signal=24%
134		BIOCARTA_HDAC_PATHWAY		17	0.23	0.74	0.795	0.997	1	1687	tags=29%, list=17%, signal=35%
126		REACTOME_HDR_THROUGH_HOMOLOGOUS_RECOMBINATION_HRR		33	0.21	0.81	0.799	0.957	1	2053	tags=33%, list=20%, signal=42%
125		WP_FATTY_ACID_BETA_OXIDATION		29	0.21	0.81	0.801	0.956	1	1028	tags=17%, list=10%, signal=19%
128		MIKKELSEN_ES_ICP_WITH_H3K4ME3_AND_H3K27ME3		24	0.22	0.79	0.802	0.979	1	469	tags=13%, list=5%, signal=13%
131		SCHRAETS_MLL_TARGETS_DN		21	0.22	0.76	0.833	0.993	1	1198	tags=19%, list=12%, signal=22%
133		MESSINA_BRAIN_HCP_WITH_H3K27ME3		56	0.2	0.74	0.834	1	1	1126	tags=17%, list=11%, signal=19%
136		REACTOME_HSF1_DEPENDENT_TRANSACTIVATION		17	0.23	0.74	0.836	0.985	1	1294	tags=24%, list=13%, signal=27%
120		REACTOME_NONSENSE_MEDIATED_DECAY_NMD_INDEPENDENT_OF_THE_EXON_JUNCTION_COMPLEX_EJC		86	0.17	0.83	0.864	0.967	1	8350	tags=100%, list=83%, signal=572%
138		REACTOME_METABOLISM_OF_PORPHYRINS		25	0.2	0.71	0.872	1	1	1674	tags=32%, list=17%, signal=38%
130		CHEBOTAEV_GR_TARGETS_UP		45	0.18	0.77	0.883	0.986	1	984	tags=13%, list=10%, signal=15%
127		LEIN_PONS_MARKERS		41	0.19	0.79	0.887	0.979	1	1056	tags=15%, list=10%, signal=16%
132		REACTOME_PKMTS_METHYLATE_HISTONE_LYSINES		37	0.19	0.76	0.89	0.99	1	1392	tags=24%, list=14%, signal=28%
139		REACTOME_TRANSLESION_SYNTHESIS_BY_POLK		16	0.22	0.7	0.897	1	1	991	tags=19%, list=10%, signal=21%
137		WP_ALZHEIMER_39_S_DISEASE		50	0.17	0.74	0.916	0.979	1	762	tags=10%, list=8%, signal=11%
142		REACTOME_CYTOSOLIC_SULFONATION_OF_SMALL_MOLECULES		15	0.2	0.61	0.935	1	1	589	tags=13%, list=6%, signal=14%
140		BRDEAU_IMPRINTED_GENES		27	0.18	0.67	0.949	1	1	945	tags=15%, list=9%, signal=16%
141		WP_STATIN_PATHWAY		18	0.19	0.62	0.962	1	1	1464	tags=22%, list=14%, signal=26%
143		REACTOME_GAP_FILLING_DNA_REPAIR_SYNTHESIS_AND_LIGATION_IN_GG_NER		17	0.18	0.6	0.962	1	1	1114	tags=18%, list=11%, signal=20%
145		REACTOME_CONDENSATION_OF_PROPHASE_CHROMOSOMES		15	0.19	0.57	0.974	1	1	2418	tags=47%, list=24%, signal=61%
144		REACTOME_RUNX1_REGULATES_GENES_INVOLVED_IN_MEGAKARYOCYTE_DIFFERENTIATION_AND_PLATELET_FUNCTION		25	0.16	0.59	0.985	1	1	1747	tags=28%, list=17%, signal=34%
149		REACTOME_ONCOGENE_INDUCED_SENESCENCE		15	0.17	0.53	0.988	1	1	1930	tags=27%, list=19%, signal=33%
147		JIANG_AGING_CEREBRAL_CORTEX_UP		28	0.15	0.54	0.989	1	1	1280	tags=14%, list=13%, signal=16%
150		REACTOME_INTRINSIC_PATHWAY_FOR_APOPTOSIS		52	0.14	0.52	0.994	1	1	1657	tags=22%, list=16%, signal=26%
146		REACTOME_SULFUR_AMINO_ACID_METABOLISM		24	0.16	0.55	0.995	1	1	7432	tags=96%, list=74%, signal=[illegible]
148		WP_TOLL_LIKE_RECEPTOR_SIGNALING		26	0.15	0.54	1	1	1	8586	tags=100%, list=85%, signal=665%
151		REACTOME_RECOGNITION_OF_DNA_DAMAGE_BY_PCNA_CONTAINING_REPLICATION_COMPLEX		23	0.14	0.49	1	1	1	8707	tags=100%, list=86%, signal=727%
152		REACTOME_INTERFERON_ALPHA_BETA_SIGNALING		17	0.14	0.46	1	0.999	1	5719	tags=88%, list=57%, signal=[illegible]

Table: Gene sets enriched in phenotype *WT (3 samples)* **[plain text format]**

	Shorthand name for figure	GS follow link to MSigDB	GS DETAILS	SIZE	ES	NES	NOM p-val	FDR q-val	FWER p-val	RANK AT MAX	LEADING EDGE	
1	signature downregulated HNF1A targets: hepatocellular carcinoma state	SERVITJA_LIVER_HNF1A_TARGETS_DN	Details ...	169	-0.53	-1.98	0	0.03	0.029	2604	tags=51%, list=26%,	
2	Complement activation: liver regeneration and autoimmunity	WP_COMPLEMENT_ACTIVATION_CLASSICAL_PATHWAY	Details ...	15	-0.72	-1.85	0	0.125	0.221	976	tags=60%, list=10%,	
5	Integrin cell-surface interactions: disruption of hepatocyte polarity leading to widespread fibrosis	REACTOME_INTEGRIN_CELL_SURFACE_INTERACTIONS	Details ...	36	-0.58	-1.78	0	0.166	0.552	1953	tags=50%, list=19%,	
6	Assembly of collagen fibrils	REACTOME_ASSEMBLY_OF_COLLAGEN_FIBRILS_AND_OTHER_MULTIMERIC_STRUCTURES	Details ...	19	-0.66	-1.75	0.003	0.221	0.715	1810	tags=58%, list=18%,	
7	ERBB4 signaling: Liver injury response defects	REACTOME_SIGNALING_BY_ERBB4	Details ...	25	-0.61	-1.75	0.004	0.194	0.721	2416	tags=48%, list=24%,	
8	IL6 pathway: impaired liver regeneration	BIOCARTA_IL6_PATHWAY	Details ...	18	-0.64	-1.74	0	0.185	0.759	2648	tags=72%, list=26%,	
9	MET signaling: Hepatocyte growth factor receptor	REACTOME_SIGNALING_BY_MET	Details ...	49	-0.54	-1.74	0.003	0.172	0.776	2597	tags=47%, list=26%,	
19	Metabolism of steroid hormones	REACTOME_METABOLISM_OF_STEROID_HORMONES	Details ...	19	-0.62	-1.68	0.001	0.171	0.955	1281	tags=37%, list=13%,	
110	Lysosome vesicle biogenesis	REACTOME_LYSOSOME_VESICLE_BIOGENESIS		23	-0.52	-1.47	0.047	0.32	1	1336	tags=35%, list=13%,	
119	Regulation of Insulin-like Growth Factor (IGF) transport and uptake by Insulin-like Growth Factor Binding Proteins (IGFBPs	REACTOME_REGULATION_OF_INSULIN_LIKE_GROWTH_FACTOR_IGF_TRANSPORT_AND_UPTAKE_BY_INSULIN_LIKE_GROWTH_FACTOR_BINDING_PROTEINS_IGFBPS		76	-0.42	-1.46	0.026	0.327	1	2988	tags=49%, list=30%, signal=69%	
239	Focal adhesion PI3K/Akt/mTOR Signaling Pathway: dysregulation of autophagy in liver injury progression	WP_FOCAL_ADHESION_PI3K_AKT_MTOR_SIGNALING_PATHWAY		167	-0.36	-1.34	0.026	0.41	1	2745	tags=37%, list=27%,	
11	signature downregulated genes: invasive and metastatic hepatoblastoma	CAIRO_LIVER_DEVELOPMENT_DN	Details ...	190	-0.46	-1.73	0	0.167	0.831	3437	tags=54%, list=34%,	
16	signature downregulated HFN4A targets: hepatocellular carcinoma	OHGUCHI_LIVER_HNF4A_TARGETS_DN	Details ...	190	-0.46	-1.71	0	0.147	0.906	2604	tags=45%, list=26%,	
43	PTEN regulation	REACTOME_PTEN_REGULATION		97	-0.45	-1.6	0	0.208	0.999	2710	tags=41%, list=27%,	
287	Recycling of bile acids and salts	REACTOME_RECYCLING_OF_BILE_ACIDS_AND_SALTS		15	-0.52	-1.31	0.143	0.428	1	2653	tags=47%, list=26%,	
366	Transport of bile salts	REACTOME_TRANSPORT_OF_BILE_SALTS_AND_ORGANIC_ACIDS_METAL_IONS_AND_AMINE_COMPOUNDS		34	-0.41	-1.25	0.155	0.493	1	2378	tags=38%, list=24%, signal=50%	
440	Synthesis of bile acid salts via 7 alpha hydroxycholesterol	REACTOME_SYNTHESIS_OF_BILE_ACIDS_AND_BILE_SALTS_VIA_7ALPHA_HYDROXYCHOLESTEROL		20	-0.43	-1.2	0.22	0.548	1	3437	tags=45%, list=34%, signal=68%	
574	Bile acid and bile salt metabolism	REACTOME_BILE_ACID_AND_BILE_SALT_METABOLISM		34	-0.37	-1.13	0.3	0.635	1	3437	tags=44%, list=34%,	
39	mRNA decay by 3' to 5' exoribonuclease	REACTOME_MRNA_DECAY_BY_3_TO_5_EXORIBONUCLEASE		15	-0.63	-1.61	0.016	0.201	0.998	356	tags=27%, list=4%, signal=28%	
51	Deadenylation dependent mRNA decay	REACTOME_DEADENYLATION_DEPENDENT_MRNA_DECAY		49	-0.48	-1.56	0.008	0.271	1	3006	tags=47%, list=30%,	
64	Deadenylation of mRNA	REACTOME_DEADENYLATION_OF_MRNA		21	-0.55	-1.53	0.031	0.297	1	2993	tags=57%, list=30%,	
278	Auf1 Hnrnp D0 binding: degradation of mRNAs	REACTOME_AUF1_HNRNP_D0_BINDS_AND_DESTABILIZES_MRNA		52	-0.4	-1.32	0.093	0.425	1	3600	tags=52%, list=36%,	
303	Processing of intronless pre-mRNA	REACTOME_PROCESSING_OF_INTRONLESS_PRE_MRNAS		18	-0.49	-1.3	0.165	0.445	1	2029	tags=39%, list=20%,	
362	Processing of capped intron containing pre-mRNA	REACTOME_PROCESSING_OF_CAPPED_INTRON_CONTAINING_PRE_MRNA		245	-0.33	-1.25	0.041	0.493	1	3999	tags=46%, list=40%,	
399	AU-rich element binding proteins: mRNA destabilization	REACTOME_REGULATION_OF_MRNA_STABILITY_BY_PROTEINS_THAT_BIND_AU_RICH_ELEMENTS		79	-0.35	-1.24	0.157	0.5	1	3600	tags=46%, list=36%, signal=70%	
414	RNA Polymerase I transcription	REACTOME_RNA_POLYMERASE_I_TRANSCRIPTION		41	-0.39	-1.22	0.182	0.53	1	1585	tags=29%, list=16%,	Loss of ERBB4 related to increased liver injury and HBV chronicity https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4826259/
447	mRNA splicing	REACTOME_MRNA_SPLICING		186	-0.32	-1.2	0.106	0.552	1	3970	tags=45%, list=39%,	
500	RNA polymerase II transcription termination	REACTOME_RNA_POLYMERASE_II_TRANSCRIPTION_TERMINATION		56	-0.35	-1.17	0.234	0.587	1	2222	tags=29%, list=22%,	
521	Sumoylation of RNA binding proteins	REACTOME_SUMOYLATION_OF_RNA_BINDING_PROTEINS		36	-0.38	-1.15	0.289	0.607	1	1967	tags=28%, list=19%,	
551	mRNA processing	WP_MRNA_PROCESSING		358	-0.29	-1.14	0.144	0.616	1	3540	tags=39%, list=35%,	
23	Proteasome degradation	WP_PROTEASOME_DEGRADATION		47	-0.52	-1.67	0	0.165	0.971	2710	tags=51%, list=27%,	
80	Circadian clock peripheral genes	UEDA_PERIFERAL_CLOCK		167	-0.41	-1.51	0	0.305	1	2416	tags=38%, list=24%,	
101	Antigen processing: Ubiquitination & Proteasome degradation	REACTOME_ANTIGEN_PROCESSING_UBIQUITINATION_PROTEASOME_DEGRADATI		233	-0.39	-1.49	0	0.282	1	2751	tags=36%, list=27%,	
24	Degradation of extracellular matrix	REACTOME_DEGRADATION_OF_THE_EXTRACELLULAR_MATRIX		40	-0.53	-1.66	0.002	0.179	0.977	2121	tags=48%, list=21%,	
40	Inflammatory response	NEMETH_INFLAMMATORY_RESPONSE_LPS_UP		70	-0.47	-1.61	0.003	0.206	0.999	1685	tags=26%, list=17%,	
63	Gap junction trafficking and regulation: hepatocyte cell cycle regulation	REACTOME_GAP_JUNCTION_TRAFFICKING_AND_REGULATION		21	-0.55	-1.54	0.031	0.286	1	999	tags=33%, list=10%,	
100	Adaptive immune system	REACTOME_ADAPTIVE_IMMUNE_SYSTEM		450	-0.38	-1.49	0	0.279	1	2751	tags=37%, list=27%,	
102	Collagen degradation	REACTOME_COLLAGEN_DEGRADATION		20	-0.55	-1.49	0.036	0.28	1	1621	tags=45%, list=16%,	
133	Degradation of mitotic proteins in late mitosis / early G1 phase	REACTOME_APC_C_CDH1_MEDIATED_DEGRADATION_OF_CDC20_AND_OTHER_APC_C_CDH1_TARGETED_PROTEINS_IN_LATE_MITOSIS_EARLY_G1		65	-0.43	-1.44	0.033	0.35	1	2710	tags=42%, list=27%, signal=56%	
382	G1-S phase transition	REACTOME_MITOTIC_G1_PHASE_AND_G1_S_TRANSITION		109	-0.35	-1.25	0.108	0.491	1	2710	tags=38%, list=27%,	
469	Regulation of lipid metabolism by PPAR alpha	REACTOME_REGULATION_OF_LIPID_METABOLISM_BY_PPARALPHA		15	-0.47	-1.19	0.269	0.568	1	755	tags=20%, list=7%, signal=22%	
10	Lif signaling	ABBUD_LIF_SIGNALING_1_UP	Details ...	33	-0.57	-1.74	0	0.164	0.797	2597	tags=55%, list=26%,	
17	Notch signaling: inhibition of hepatic stellate cell activation to myofibroblasts	REACTOME_SIGNALING_BY_NOTCH	Details ...	28	-0.58	-1.69	0.006	0.174	0.945	784	tags=25%, list=8%, signal=27%	
26	EGF pathway: amelioration of liver fibrosis	BIOCARTA_EGF_PATHWAY		25	-0.57	-1.65	0.006	0.198	0.986	2648	tags=60%, list=26%,	
65	RTK signaling	REACTOME_SIGNALING_BY_RECEPTOR_TYROSINE_KINASES		267	-0.4	-1.53	0	0.293	1	2655	tags=37%, list=26%,	
74	Pluripotency associated mechanisms	WP_MECHANISMS_ASSOCIATED_WITH_PLURIPOTENCY		201	-0.4	-1.52	0	0.284	1	2111	tags=32%, list=21%,	
79	ABC protein family mediated transport: bile salt transport	REACTOME_ABC_FAMILY_PROTEINS_MEDIATED_TRANSPORT		82	-0.44	-1.51	0.008	0.298	1	3048	tags=48%, list=30%,	
103	Cargo targeting to cilia: Hedgehog signaling and liver development	REACTOME_VXPX_CARGO_TARGETING_TO_CILIUM		15	-0.58	-1.49	0.039	0.279	1	2419	tags=60%, list=24%,	
97	MAPK family signaling cascades	REACTOME_MAPK_FAMILY_SIGNALING_CASCADES		183	-0.4	-1.49	0	0.286	1	2735	tags=39%, list=27%,	
159	Deubiquitination: inhibition of hepatic stellate cell activation to myofibroblasts	REACTOME_DEUBIQUITINATION		189	-0.38	-1.41	0.004	0.372	1	2783	tags=35%, list=28%,	
153	Intracellular signaling by second messangers	REACTOME_INTRACELLULAR_SIGNALING_BY_SECOND_MESSENGERS		178	-0.38	-1.41	0.006	0.364	1	2726	tags=38%, list=27%,	
228	Hedgehog ligand biogenesis	REACTOME_HEDGEHOG_LIGAND_BIOGENESIS		54	-0.41	-1.35	0.067	0.405	1	3701	tags=52%, list=37%,	
343	Hedgehog on state	REACTOME_HEDGEHOG_ON_STATE		63	-0.37	-1.27	0.112	0.475	1	3600	tags=48%, list=36%,	
435	Vesicle mediated transport: hepatocellular bile secretion	REACTOME_VESICLE_MEDIATED_TRANSPORT		430	-0.31	-1.21	0.032	0.538	1	3596	tags=42%, list=36%,	
591	signaling by hedgehog	REACTOME_SIGNALING_BY_HEDGEHOG		94	-0.32	-1.11	0.304	0.66	1	3600	tags=44%, list=36%,	
47		REACTOME_REGULATION_OF_PTEN_STABILITY_AND_ACTIVITY		63	-0.47	-1.58	0	0.235	1	2710	tags=43%, list=27%,	
3		REACTOME_COMPLEMENT_CASCADE	Details ...	37	-0.59	-1.82	0	0.137	0.341	2395	tags=59%, list=24%,	
216		PILON_KLF1_TARGETS_UP		390	-0.35	-1.36	0	0.407	1	2442	tags=32%, list=24%,	
196		MARTORIATI_MDM4_TARGETS_FETAL_LIVER_DN		430	-0.35	-1.37	0.001	0.403	1	2820	tags=35%, list=28%,	
309		MARTINEZ_TP53_TARGETS_UP		442	-0.33	-1.29	0.001	0.448	1	3044	tags=35%, list=30%,	
4		WANG_RESPONSE_TO_BEXAROTENE_DN	Details ...	17	-0.69	-1.8	0.001	0.169	0.487	1264	tags=47%, list=13%,	
44		GROSS_HYPOXIA_VIA_ELK3_AND_HIF1A_DN		88	-0.45	-1.6	0.001	0.21	0.999	3687	tags=55%, list=37%,	
34		BREDEMEYER_RAG_SIGNALING_NOT_VIA_ATM_DN		39	-0.52	-1.62	0.006	0.201	0.995	1591	tags=31%, list=16%,	
304		REACTOME_TRANSPORT_OF_SMALL_MOLECULES		377	-0.33	-1.3	0.008	0.445	1	3065	tags=37%, list=30%,	
49		WUNDER_INFLAMMATORY_RESPONSE_AND_CHOLESTEROL_UP		51	-0.48	-1.57	0.01	0.25	1	2126	tags=41%, list=21%,	
141		REACTOME_REGULATION_OF_RUNX2_EXPRESSION_AND_ACTIVITY		50	-0.44	-1.42	0.039	0.361	1	3600	tags=52%, list=36%,	
136		REACTOME_UBIQUITIN_MEDIATED_DEGRADATION_OF_PHOSPHORYLATED_CDC25		46	-0.45	-1.43	0.039	0.349	1	2710	tags=43%, list=27%,	
183		REACTOME_ACTIVATION_OF_APC_C_AND_APC_C_CDC20_MEDIATED_DEGRADATION_OF_MITOTIC_PROTEINS		66	-0.41	-1.38	0.041	0.398	1	2710	tags=41%, list=27%, signal=56%	
147		SHETH_LIVER_CANCER_VS_TXNIP_LOSS_PAM3		43	-0.45	-1.42	0.044	0.363	1	1817	tags=40%, list=18%,	
205		REACTOME_TRANSCRIPTIONAL_REGULATION_BY_RUNX2		61	-0.41	-1.36	0.047	0.408	1	2710	tags=41%, list=27%,	
210		REACTOME_PINK1_PRKN_MEDIATED_MITOPHAGY		20	-0.5	-1.36	0.112	0.412	1	882	tags=20%, list=9%, signal=22%	
456		REACTOME_HEDGEHOG_OFF_STATE		76	-0.35	-1.19	0.203	0.569	1	3600	tags=45%, list=36%,	
596		REACTOME_GENE_SILENCING_BY_RNA		36	-0.36	-1.11	0.329	0.657	1	1967	tags=25%, list=19%,	
624		REACTOME_ACTIVATION_OF_THE_MRNA_UPON_BINDING_OF_THE_CAP_BINDING_COMPLEX_AND_EIFS_AND_SUBSEQUENT_BINDING_TO_43S		57	-0.33	-1.09	0.334	0.684	1	4335	tags=47%, list=43%, signal=83%	
660		REACTOME_TRANSPORT_OF_MATURE_MRNAS_DERIVED_FROM_INTRONLESS_TRANSCRIPTS		37	-0.35	-1.07	0.38	0.712	1	2029	tags=27%, list=20%, signal=34%	
709		YAUCH_HEDGEHOG_SIGNALING_PARACRINE_DN		64	-0.31	-1.04	0.418	0.737	1	1844	tags=22%, list=18%,	
719		REACTOME_SYNTHESIS_OF_BILE_ACIDS_AND_BILE_SALTS		26	-0.36	-1.04	0.424	0.738	1	1192	tags=19%, list=12%,	
808		REACTOME_RNA_POLYMERASE_II_PRE_TRANSCRIPTION_EVENTS		68	-0.29	-0.99	0.481	0.779	1	3907	tags=44%, list=39%,	
853		WP_DYSREGULATED_MIRNA_TARGETING_IN_INSULIN_PI3K_AKT_SIGNALING		23	-0.34	-0.97	0.514	0.802	1	1621	tags=30%, list=16%,	
858		REACTOME_PROCESSING_OF_CAPPED_INTRONLESS_PRE_MRNA		25	-0.33	-0.97	0.533	0.801	1	2029	tags=28%, list=20%,	
859		REACTOME_TRISTETRAPROLIN_TTP_ZFP36_BINDS_AND_DESTABILIZES_MRNA		16	-0.37	-0.97	0.541	0.801	1	2655	tags=38%, list=26%,	
863		REACTOME_FORMATION_OF_RNA_POL_II_ELONGATION_COMPLEX		48	-0.3	-0.96	0.546	0.803	1	4385	tags=52%, list=43%,	
947		REACTOME_MRNA_CAPPING		26	-0.32	-0.92	0.606	0.833	1	633	tags=12%, list=6%, signal=12%	
964		REACTOME_TRANSCRIPTIONAL_REGULATION_BY_SMALL_RNAS		30	-0.31	-0.91	0.606	0.837	1	5345	tags=70%, list=53%,	
961		REACTOME_BUTYRATE_RESPONSE_FACTOR_1_BRF1_BINDS_AND_DESTABILIZES		16	-0.35	-0.91	0.614	0.836	1	1193	tags=19%, list=12%,	
988		REACTOME_POSITIVE_EPIGENETIC_REGULATION_OF_RRNA_EXPRESSION		26	-0.31	-0.89	0.624	0.859	1	3987	tags=58%, list=39%,	
1036		REACTOME_MRNA_SPLICING_MINOR_PATHWAY		45	-0.27	-0.86	0.696	0.875	1	3704	tags=38%, list=37%,	
1058		ULE_SPLICING_VIA_NOVA2		27	-0.29	-0.84	0.708	0.896	1	2818	tags=33%, list=28%,	
1078		REACTOME_RNA_POLYMERASE_III_TRANSCRIPTION_INITIATION_FROM_TYPE_3_PROMOTER		24	-0.29	-0.82	0.728	0.901	1	775	tags=17%, list=8%, signal=18%	
1096		REACTOME_RNA_POLYMERASE_III_TRANSCRIPTION_INITIATION_FROM_TYPE_1_PROMOTER		25	-0.28	-0.81	0.745	0.907	1	775	tags=16%, list=8%, signal=17%	
1090		YAUCH_HEDGEHOG_SIGNALING_PARACRINE_UP		60	-0.24	-0.81	0.774	0.909	1	3224	tags=33%, list=32%,	
1081		REACTOME_RNA_POLYMERASE_II_TRANSCRIBES_SNRNA_GENES		67	-0.24	-0.82	0.774	0.902	1	3315	tags=34%, list=33%,	
1120		REACTOME_RNA_POLYMERASE_II_PROMOTER_ESCAPE		41	-0.25	-0.79	0.804	0.915	1	712	tags=12%, list=7%, signal=13%	
1205		REACTOME_TRANSPORT_OF_THE_SLBP_DEPENDANT_MATURE_MRNA		31	-0.23	-0.69	0.907	0.965	1	5134	tags=58%, list=51%,	
1242		WP_SPLICING_FACTOR_NOVA_REGULATED_SYNAPTIC_PROTEINS		26	-0.22	-0.63	0.933	0.979	1	2902	tags=42%, list=29%,	
1267		REACTOME_FGFR2_ALTERNATIVE_SPLICING		16	-0.19	-0.5	0.977	0.997	1	3315	tags=31%, list=33%,	
20		ICHIBA_GRAFT_VERSUS_HOST_DISEASE_D7_UP	Details ...	107	-0.47	-1.68	0	0.175	0.963	2651	tags=45%, list=26%,	
38		GROSS_HYPOXIA_VIA_ELK3_DN		112	-0.45	-1.61	0	0.203	0.998	2354	tags=38%, list=23%,	
68		REACTOME_CLASS_I_MHC_MEDIATED_ANTIGEN_PROCESSING_PRESENTATION		270	-0.4	-1.53	0	0.289	1	2537	tags=35%, list=25%,	
15		HOWLIN_CITED1_TARGETS_1_UP	Details ...	17	-0.66	-1.71	0.001	0.15	0.893	2155	tags=59%, list=21%,	
225		MARTINEZ_RB1_TARGETS_UP		468	-0.35	-1.35	0.001	0.406	1	2568	tags=31%, list=25%,	
21		REACTOME_ANTIGEN_PROCESSING_CROSS_PRESENTATION		68	-0.5	-1.68	0.002	0.168	0.965	2710	tags=50%, list=27%,	
27		YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_0		60	-0.49	-1.65	0.002	0.193	0.987	965	tags=33%, list=10%,	
86		MARKEY_RB1_ACUTE_LOF_DN		183	-0.4	-1.5	0.002	0.293	1	2718	tags=39%, list=27%,	
42		REACTOME_METABOLISM_OF_POLYAMINES		54	-0.49	-1.6	0.003	0.21	0.999	2710	tags=48%, list=27%,	
77		GAVIN_FOXP3_TARGETS_CLUSTER_T4		77	-0.44	-1.52	0.003	0.292	1	3616	tags=57%, list=36%,	
132		REACTOME_NEDDYLATION		178	-0.38	-1.44	0.003	0.351	1	2969	tags=38%, list=29%,	
13		RUAN_RESPONSE_TO_TNF_TROGLITAZONE_UP	Details ...	16	-0.65	-1.72	0.004	0.158	0.865	952	tags=38%, list=9%, signal=41%	
14		WP_BLOOD_CLOTTING_CASCADE	Details ...	15	-0.65	-1.71	0.004	0.157	0.886	2395	tags=73%, list=24%,	
46		BOYLAN_MULTIPLE_MYELOMA_PCA1_UP		63	-0.47	-1.58	0.004	0.239	1	2082	tags=40%, list=21%,	
71		REACTOME_EXTRACELLULAR_MATRIX_ORGANIZATION		100	-0.43	-1.53	0.004	0.283	1	3853	tags=61%, list=38%,	
137		ZHENG_FOXP3_TARGETS_IN_THYMUS_UP		166	-0.38	-1.43	0.004	0.352	1	2112	tags=33%, list=21%,	
140		PASQUALUCCI_LYMPHOMA_BY_GC_STAGE_UP		202	-0.38	-1.43	0.004	0.361	1	3173	tags=43%, list=31%,	
25		GUILLAUMOND_KLF10_TARGETS_UP		30	-0.55	-1.66	0.005	0.182	0.979	2553	tags=57%, list=25%,	
33		BIOCARTA_INTRINSIC_PATHWAY		19	-0.61	-1.63	0.005	0.2	0.995	1953	tags=58%, list=19%,	
59		REACTOME_DOWNSTREAM_TCR_SIGNALING		73	-0.45	-1.55	0.005	0.265	1	2710	tags=42%, list=27%,	
81		GUO_TARGETS_OF_IRS1_AND_IRS2		87	-0.43	-1.51	0.005	0.303	1	3433	tags=52%, list=34%,	
117		GRAESSMANN_RESPONSE_TO_MC_AND_SERUM_DEPRIVATION_UP		147	-0.39	-1.46	0.005	0.33	1	2137	tags=33%, list=21%,	
12		REACTOME_RHOBTB1_GTPASE_CYCLE	Details ...	21	-0.62	-1.72	0.006	0.167	0.862	2370	tags=48%, list=23%,	
18		MA_MYELOID_DIFFERENTIATION_UP	Details ...	29	-0.58	-1.69	0.006	0.173	0.951	1825	tags=34%, list=18%,	
126		BROWN_MYELOID_CELL_DEVELOPMENT_UP		110	-0.4	-1.45	0.006	0.34	1	3253	tags=44%, list=32%,	
48		KHETCHOUMIAN_TRIM24_TARGETS_UP		37	-0.51	-1.58	0.007	0.249	1	2314	tags=43%, list=23%,	
30		YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_5		21	-0.61	-1.64	0.008	0.19	0.992	2030	tags=48%, list=20%,	
31		REACTOME_ELASTIC_FIBRE_FORMATION		18	-0.62	-1.63	0.008	0.198	0.992	2120	tags=61%, list=21%,	
53		WP_DELTA_NOTCH_SIGNALING_PATHWAY		56	-0.47	-1.56	0.008	0.269	1	1685	tags=32%, list=17%,	
125		REACTOME_UB_SPECIFIC_PROCESSING_PROTEASES		136	-0.4	-1.45	0.009	0.342	1	2768	tags=38%, list=27%,	
131		GAUSSMANN_MLL_AF4_FUSION_TARGETS_C_UP		127	-0.39	-1.44	0.009	0.352	1	2198	tags=31%, list=22%,	
22		REACTOME_ER_PHAGOSOME_PATHWAY		17	-0.63	-1.67	0.01	0.17	0.971	2520	tags=65%, list=25%,	
29		BIOCARTA_AGR_PATHWAY		19	-0.61	-1.64	0.01	0.183	0.988	1345	tags=42%, list=13%,	
41		NADLER_OBESITY_UP		51	-0.48	-1.61	0.01	0.203	0.999	2718	tags=49%, list=27%,	
92		REACTOME_TCR_SIGNALING		84	-0.44	-1.5	0.01	0.295	1	2710	tags=43%, list=27%,	
98		BRUINS_UVC_RESPONSE_MIDDLE		73	-0.44	-1.49	0.01	0.284	1	2171	tags=38%, list=21%,	
107		REACTOME_PCP_CE_PATHWAY		72	-0.44	-1.48	0.01	0.303	1	2834	tags=43%, list=28%,	
37		CUI_TCF21_TARGETS_UP		20	-0.59	-1.62	0.011	0.202	0.998	688	tags=40%, list=7%, signal=43%	
45		REACTOME_PLATELET_AGGREGATION_PLUG_FORMATION		25	-0.55	-1.6	0.011	0.215	1	2652	tags=52%, list=26%,	
104		ICHIBA_GRAFT_VERSUS_HOST_DISEASE_35D_DN		56	-0.45	-1.49	0.011	0.277	1	1799	tags=30%, list=18%,	
122		WP_EGFR1_SIGNALING_PATHWAY		132	-0.4	-1.45	0.011	0.332	1	2875	tags=39%, list=28%,	
201		REACTOME_METABOLISM_OF_AMINO_ACIDS_AND_DERIVATIVES		201	-0.36	-1.37	0.011	0.406	1	3677	tags=45%, list=36%,	
377		GRAESSMANN_APOPTOSIS_BY_SERUM_DEPRIVATION_UP		388	-0.32	-1.25	0.011	0.49	1	2547	tags=29%, list=25%,	
35		REACTOME_ECM_PROTEOGLYCANS		19	-0.6	-1.62	0.012	0.199	0.995	1811	tags=53%, list=18%,	
54		HAN_JNK_SINGALING_DN		30	-0.52	-1.56	0.012	0.264	1	949	tags=30%, list=9%, signal=33%	
58		REACTOME_RHOBTB_GTPASE_CYCLE		32	-0.53	-1.55	0.012	0.259	1	1321	tags=31%, list=13%,	
32		KOHOUTEK_CCNT1_TARGETS		25	-0.57	-1.63	0.013	0.206	0.994	1426	tags=40%, list=14%,	
28		REACTOME_NON_INTEGRIN_MEMBRANE_ECM_INTERACTIONS		16	-0.63	-1.65	0.014	0.187	0.987	1849	tags=56%, list=18%,	
56		WP_TYPE_II_INTERFERON_SIGNALING_IFNG		21	-0.57	-1.56	0.014	0.262	1	1367	tags=38%, list=14%,	
145		HUANG_GATA2_TARGETS_UP		104	-0.4	-1.42	0.014	0.366	1	2635	tags=37%, list=26%,	
170		REACTOME_CELLULAR_RESPONSE_TO_CHEMICAL_STRESS		145	-0.38	-1.4	0.014	0.369	1	2710	tags=35%, list=27%,	
36		OUYANG_PROSTATE_CANCER_PROGRESSION_UP		19	-0.6	-1.62	0.015	0.197	0.996	625	tags=32%, list=6%, signal=34%	
94		REACTOME_G_ALPHA_Q_SIGNALLING_EVENTS		66	-0.44	-1.49	0.015	0.292	1	1031	tags=23%, list=10%,	
96		REACTOME_DEGRADATION_OF_AXIN		52	-0.45	-1.49	0.015	0.287	1	2710	tags=40%, list=27%,	
148		REACTOME_FC_EPSILON_RECEPTOR_FCERI_SIGNALING		98	-0.4	-1.42	0.016	0.365	1	2902	tags=45%, list=29%,	
217		RAO_BOUND_BY_SALL4		147	-0.37	-1.36	0.016	0.408	1	2341	tags=32%, list=23%,	
60		REACTOME_SIGNALING_BY_ERBB2		32	-0.52	-1.55	0.017	0.261	1	2539	tags=41%, list=25%,	
69		BIOCARTA_TPO_PATHWAY		23	-0.54	-1.53	0.017	0.286	1	2648	tags=57%, list=26%,	
75		YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_1		51	-0.46	-1.52	0.017	0.28	1	1911	tags=33%, list=19%,	
127		REACTOME_UCH_PROTEINASES		72	-0.43	-1.44	0.017	0.339	1	3600	tags=50%, list=36%,	
361		MARTINEZ_RB1_AND_TP53_TARGETS_UP		443	-0.32	-1.25	0.017	0.492	1	3044	tags=34%, list=30%,	
52		REACTOME_SIGNALING_BY_PDGF		35	-0.51	-1.56	0.018	0.271	1	2597	tags=51%, list=26%,	
95		ZHONG_SECRETOME_OF_LUNG_CANCER_AND_ENDOTHELIUM		60	-0.44	-1.49	0.018	0.29	1	4012	tags=57%, list=40%,	
62		REACTOME_ANTIGEN_PRESENTATION_FOLDING_ASSEMBLY_AND_PEPTIDE_LOADING_OF_CLASS_I_MHC		24	-0.55	-1.55	0.019	0.26	1	1914	tags=42%, list=19%, signal=51%	
66		BIOCARTA_TFF_PATHWAY		18	-0.58	-1.53	0.019	0.289	1	1213	tags=33%, list=12%,	
105		ZENG_GU_ICB_CONTROL_METAGENE_31_PRECICTIVE_ICB_RESISTANCE		46	-0.46	-1.48	0.019	0.299	1	2557	tags=39%, list=25%,	
249		DURCHDEWALD_SKIN_CARCINOGENESIS_DN		191	-0.35	-1.33	0.019	0.414	1	3272	tags=39%, list=32%,	
380		MARTINEZ_RB1_AND_TP53_TARGETS_DN		375	-0.32	-1.25	0.019	0.492	1	3044	tags=36%, list=30%,	
89		HESS_TARGETS_OF_HOXA9_AND_MEIS1_UP		49	-0.47	-1.5	0.02	0.296	1	1216	tags=20%, list=12%,	
154		IVANOVA_HEMATOPOIESIS_STEM_CELL		105	-0.4	-1.41	0.02	0.363	1	1977	tags=39%, list=20%,	
231		KARLSSON_TGFB1_TARGETS_DN		167	-0.36	-1.35	0.02	0.408	1	2901	tags=35%, list=29%,	
57		REACTOME_RHOU_GTPASE_CYCLE		31	-0.52	-1.56	0.021	0.26	1	783	tags=29%, list=8%, signal=31%	
67		MCDOWELL_ACUTE_LUNG_INJURY_UP		34	-0.51	-1.53	0.021	0.291	1	2314	tags=44%, list=23%,	
50		BIOCARTA_IL2_PATHWAY		15	-0.6	-1.57	0.022	0.269	1	2648	tags=60%, list=26%,	
90		WP_IL_7_SIGNALING_PATHWAY		37	-0.49	-1.5	0.022	0.296	1	799	tags=27%, list=8%, signal=29%	
108		LEE_AGING_NEOCORTEX_UP		58	-0.44	-1.47	0.022	0.314	1	2762	tags=38%, list=27%,	
61		SHIN_B_CELL_LYMPHOMA_CLUSTER_2		16	-0.6	-1.55	0.023	0.26	1	1267	tags=38%, list=13%,	
111		REACTOME_REGULATION_OF_RAS_BY_GAPS		57	-0.44	-1.47	0.023	0.317	1	2735	tags=42%, list=27%,	
190		WP_FOCAL_ADHESION		108	-0.38	-1.38	0.023	0.4	1	2745	tags=37%, list=27%,	
185		LANDIS_ERBB2_BREAST_TUMORS_324_UP		121	-0.38	-1.38	0.024	0.396	1	3241	tags=40%, list=32%,	
374		ZHENG_BOUND_BY_FOXP3		346	-0.32	-1.25	0.024	0.491	1	2725	tags=31%, list=27%,	
55		REACTOME_MET_PROMOTES_CELL_MOTILITY		20	-0.58	-1.56	0.025	0.262	1	2579	tags=60%, list=26%,	
83		REACTOME_ENDOGENOUS_STEROLS		15	-0.6	-1.5	0.025	0.299	1	1375	tags=47%, list=14%,	
93		REACTOME_FORMATION_OF_FIBRIN_CLOT_CLOTTING_CASCADE		25	-0.53	-1.5	0.025	0.292	1	2540	tags=56%, list=25%,	
99		REACTOME_PEPTIDE_LIGAND_BINDING_RECEPTORS		33	-0.49	-1.49	0.025	0.282	1	2713	tags=45%, list=27%,	
112		LEE_AGING_CEREBELLUM_UP		61	-0.44	-1.46	0.025	0.325	1	2919	tags=41%, list=29%,	
176		ZENG_GU_ICB_CONTROL_METAGENE_42_PRECICTIVE_ICB_RESISTANCE		120	-0.38	-1.38	0.025	0.405	1	2817	tags=35%, list=28%,	
70		HAN_JNK_SINGALING_UP		29	-0.51	-1.53	0.026	0.284	1	884	tags=28%, list=9%, signal=30%	
78		REACTOME_EPH_EPHRIN_SIGNALING		38	-0.49	-1.51	0.026	0.301	1	2654	tags=42%, list=26%,	
142		REACTOME_SIGNALING_BY_THE_B_CELL_RECEPTOR_BCR		85	-0.41	-1.42	0.026	0.365	1	2894	tags=41%, list=29%,	
84		BILANGES_SERUM_SENSITIVE_VIA_TSC2		26	-0.52	-1.5	0.027	0.298	1	1885	tags=42%, list=19%,	
88		WANG_TARGETS_OF_MLL_CBP_FUSION_UP		31	-0.5	-1.5	0.027	0.295	1	2150	tags=48%, list=21%,	
158		REACTOME_FCERI_MEDIATED_NF_KB_ACTIVATION		69	-0.41	-1.41	0.027	0.364	1	2710	tags=42%, list=27%,	
87		REACTOME_DAP12_INTERACTIONS		25	-0.54	-1.5	0.028	0.292	1	2520	tags=56%, list=25%,	
91		LEIN_NEURON_MARKERS		24	-0.53	-1.5	0.028	0.294	1	2408	tags=46%, list=24%,	
181		REACTOME_DEATH_RECEPTOR_SIGNALING		102	-0.39	-1.38	0.028	0.398	1	2654	tags=35%, list=26%,	
130		WP_IL_5_SIGNALING_PATHWAY		50	-0.44	-1.44	0.029	0.353	1	2597	tags=44%, list=26%,	
157		KIM_GLIS2_TARGETS_UP		57	-0.43	-1.41	0.029	0.363	1	2534	tags=47%, list=25%,	
73		BIOCARTA_GLEEVEC_PATHWAY		21	-0.56	-1.52	0.03	0.285	1	2579	tags=48%, list=26%,	
82		KUNINGER_IGF1_VS_PDGFB_TARGETS_DN		25	-0.53	-1.51	0.031	0.302	1	907	tags=28%, list=9%, signal=31%	
109		REACTOME_N_GLYCAN_TRIMMING_IN_THE_ER_AND_CALNEXIN_CALRETICULIN_C		15	-0.58	-1.47	0.031	0.319	1	1684	tags=40%, list=17%,	
411		SWEET_LUNG_CANCER_KRAS_UP		362	-0.32	-1.22	0.031	0.525	1	2550	tags=30%, list=25%,	
149		REACTOME_CELL_SURFACE_INTERACTIONS_AT_THE_VASCULAR_WALL		55	-0.43	-1.42	0.032	0.37	1	2646	tags=40%, list=26%,	
262		MCBRYAN_PUBERTAL_BREAST_4_5WK_UP		144	-0.36	-1.32	0.032	0.422	1	1679	tags=26%, list=17%,	
323		RAMALHO_STEMNESS_UP		183	-0.34	-1.28	0.032	0.466	1	3372	tags=39%, list=33%,	
115		HOWLIN_PUBERTAL_MAMMARY_GLAND		38	-0.48	-1.46	0.033	0.332	1	1026	tags=21%, list=10%,	
155		REACTOME_KEAP1_NFE2L2_PATHWAY		73	-0.41	-1.41	0.033	0.36	1	2710	tags=40%, list=27%,	
409		REACTOME_HEMOSTASIS		302	-0.32	-1.23	0.033	0.519	1	2713	tags=33%, list=27%,	
72		BERENJENO_ROCK_SIGNALING_NOT_VIA_RHOA_UP		16	-0.59	-1.52	0.034	0.286	1	2774	tags=63%, list=27%,	
120		BYSTROEM_CORRELATED_WITH_IL5_DN		46	-0.45	-1.45	0.034	0.334	1	2985	tags=41%, list=30%,	
106		BIOCARTA_HER2_PATHWAY		18	-0.56	-1.48	0.035	0.303	1	2597	tags=50%, list=26%,	
161		REACTOME_CDK_MEDIATED_PHOSPHORYLATION_AND_REMOVAL_OF_CDC6		64	-0.42	-1.41	0.035	0.372	1	2710	tags=41%, list=27%,	
139		REACTOME_REGULATION_OF_RUNX3_EXPRESSION_AND_ACTIVITY		50	-0.44	-1.43	0.036	0.36	1	2710	tags=42%, list=27%,	
113		APRELIKOVA_BRCA1_TARGETS		37	-0.48	-1.46	0.037	0.334	1	1770	tags=35%, list=18%,	
123		WP_TRANSLATION_FACTORS		45	-0.46	-1.45	0.037	0.339	1	3250	tags=53%, list=32%,	
114		REACTOME_HDACS_DEACETYLATE_HISTONES		21	-0.53	-1.46	0.038	0.334	1	3647	tags=67%, list=36%,	
118		LIN_NPAS4_TARGETS_DN		34	-0.47	-1.46	0.038	0.327	1	3358	tags=53%, list=33%,	
193		REACTOME_ACTIVATION_OF_NF_KAPPAB_IN_B_CELLS		61	-0.41	-1.37	0.038	0.399	1	3600	tags=49%, list=36%,	
251		REACTOME_NERVOUS_SYSTEM_DEVELOPMENT		147	-0.36	-1.33	0.038	0.412	1	2369	tags=31%, list=23%,	
85		REACTOME_MOLECULES_ASSOCIATED_WITH_ELASTIC_FIBRES		16	-0.58	-1.5	0.039	0.295	1	2120	tags=56%, list=21%,	

135		ZHENG_FOXP3_TARGETS_IN_T_LYMPHOCYTE_DN		31	-0.48	-1.43	0.039	0.35	1	2895	tags=45%, list=29%,
156		REACTOME_CROSS_PRESENTATION_OF_SOLUBLE_EXOGENOUS_ANTIGENS_ENDOSOMES		44	-0.44	-1.41	0.039	0.358	1	2710	tags=45%, list=27%, signal=62%
116		REACTOME_EGFR_DOWNREGULATION		19	-0.54	-1.46	0.04	0.33	1	458	tags=16%, list=5%, signal=17%
169		HUMMERICH_SKIN_CANCER_PROGRESSION_UP		64	-0.42	-1.4	0.04	0.371	1	3648	tags=53%, list=36%,
299		REACTOME_SIGNALING_BY_INTERLEUKINS		175	-0.35	-1.3	0.04	0.434	1	2935	tags=38%, list=29%,
121		MCBRYAN_PUBERTAL_TGFB1_TARGETS_DN		42	-0.46	-1.45	0.043	0.333	1	1044	tags=21%, list=10%,
209		ZENG_GU_ICB_CONTROL_METAGENE_25_PRECICTIVE_ICB_RESPONSE		83	-0.39	-1.36	0.044	0.41	1	2578	tags=40%, list=26%,
76		REACTOME_EPH_EPHRIN_MEDIATED_REPULSION_OF_CELLS		15	-0.6	-1.52	0.045	0.284	1	908	tags=33%, list=9%, signal=37%
168		REACTOME_CELL_CELL_COMMUNICATION		54	-0.43	-1.4	0.045	0.368	1	2707	tags=41%, list=27%,
194		REACTOME_DEGRADATION_OF_BETA_CATENIN_BY_THE_DESTRUCTION_COMPLE		71	-0.4	-1.37	0.046	0.398	1	2710	tags=38%, list=27%,
247		ZHENG_GLIOBLASTOMA_PLASTICITY_UP		125	-0.37	-1.34	0.046	0.414	1	2660	tags=38%, list=26%,
358		GOLDRATH_ANTIGEN_RESPONSE		239	-0.33	-1.26	0.046	0.485	1	2546	tags=31%, list=25%,
296		BRUINS_UVC_RESPONSE_VIA_TP53_GROUP_D		152	-0.35	-1.3	0.048	0.438	1	3456	tags=42%, list=34%,
195		BIOCARTA_MAPK_PATHWAY		55	-0.42	-1.37	0.049	0.4	1	4488	tags=67%, list=44%,
283		ZHONG_SECRETOME_OF_LUNG_CANCER_AND_FIBROBLAST		112	-0.36	-1.31	0.049	0.429	1	4096	tags=47%, list=41%,
165		LANDIS_BREAST_CANCER_PROGRESSION_UP		37	-0.46	-1.4	0.05	0.368	1	2363	tags=41%, list=23%,
187		JACKSON_DNMT1_TARGETS_UP		61	-0.41	-1.38	0.05	0.396	1	3160	tags=46%, list=31%,
215		REACTOME_FACTORS_INVOLVED_IN_MEGAKARYOCYTE_DEVELOPMENT_AND_PLATELET_PRODUCTION		65	-0.41	-1.36	0.05	0.408	1	3495	tags=48%, list=35%, signal=72%
221		YAO_HOXA10_TARGETS_VIA_PROGESTERONE_UP		58	-0.41	-1.35	0.05	0.405	1	1190	tags=24%, list=12%,
164		YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_16		42	-0.44	-1.4	0.051	0.369	1	2507	tags=43%, list=25%,
290		SANSOM_APC_TARGETS		113	-0.36	-1.31	0.051	0.435	1	3597	tags=47%, list=36%,
230		REACTOME_MHC_CLASS_II_ANTIGEN_PRESENTATION		71	-0.4	-1.35	0.052	0.409	1	3581	tags=49%, list=35%,
413		REACTOME_CYTOKINE_SIGNALING_IN_IMMUNE_SYSTEM		285	-0.32	-1.22	0.052	0.531	1	2935	tags=35%, list=29%,
124		STARK_HYPPOCAMPUS_22Q11_DELETION_DN		18	-0.54	-1.45	0.053	0.338	1	2266	tags=50%, list=22%,
452		MARTINEZ_TP53_TARGETS_DN		380	-0.31	-1.19	0.053	0.568	1	3044	tags=35%, list=30%,
138		REACTOME_SIGNALING_BY_EGFR		33	-0.47	-1.43	0.055	0.353	1	1524	tags=24%, list=15%,
204		REACTOME_STABILIZATION_OF_P53		52	-0.41	-1.36	0.055	0.409	1	2710	tags=40%, list=27%,
235		YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_9		62	-0.4	-1.34	0.055	0.407	1	2430	tags=34%, list=24%,
175		LEIN_MEDULLA_MARKERS		44	-0.44	-1.39	0.056	0.403	1	2061	tags=34%, list=20%,
188		REACTOME_SELECTIVE_AUTOPHAGY		48	-0.43	-1.38	0.056	0.394	1	2728	tags=42%, list=27%,
192		REACTOME_DEGRADATION_OF_DVL		53	-0.42	-1.38	0.056	0.397	1	3676	tags=53%, list=36%,
128		REACTOME_BINDING_AND_UPTAKE_OF_LIGANDS_BY_SCAVENGER_RECEPTORS		26	-0.49	-1.44	0.057	0.355	1	1756	tags=38%, list=17%,
172		REACTOME_CELL_JUNCTION_ORGANIZATION		43	-0.44	-1.4	0.057	0.377	1	2306	tags=37%, list=23%,
178		REACTOME_P75_NTR_RECEPTOR_MEDIATED_SIGNALLING		56	-0.42	-1.38	0.057	0.401	1	2654	tags=38%, list=26%,
134		REACTOME_INTEGRIN_SIGNALING		22	-0.51	-1.43	0.058	0.35	1	2652	tags=45%, list=26%,
318		PLASARI_TGFB1_TARGETS_10HR_DN		164	-0.35	-1.28	0.058	0.462	1	1004	tags=20%, list=10%,
184		MCBRYAN_PUBERTAL_BREAST_6_7WK_DN		49	-0.43	-1.38	0.059	0.397	1	1335	tags=29%, list=13%,
202		WP_INTEGRIN_MEDIATED_CELL_ADHESION		61	-0.41	-1.37	0.059	0.405	1	2817	tags=39%, list=28%,
167		WP_OXIDATIVE_DAMAGE_RESPONSE		27	-0.48	-1.4	0.06	0.366	1	976	tags=26%, list=10%,
311		REACTOME_TRANSPORT_TO_THE_GOLGI_AND_SUBSEQUENT_MODIFICATION		138	-0.35	-1.29	0.06	0.452	1	3596	tags=43%, list=36%,
150		REACTOME_NCAM_SIGNALING_FOR_NEURITE_OUT_GROWTH		20	-0.52	-1.42	0.061	0.368	1	1621	tags=35%, list=16%,
163		STEARMAN_LUNG_CANCER_EARLY_VS_LATE_DN		45	-0.44	-1.4	0.061	0.371	1	949	tags=27%, list=9%, signal=29%
229		REACTOME_SIGNALING_BY_NTRK1_TRKA		46	-0.42	-1.35	0.061	0.409	1	2834	tags=43%, list=28%,
324		GROSS_HYPOXIA_VIA_ELK3_UP		158	-0.34	-1.28	0.061	0.468	1	2313	tags=29%, list=23%,
375		BOYLAN_MULTIPLE_MYELOMA_C_D_DN		154	-0.34	-1.25	0.061	0.49	1	3354	tags=44%, list=33%,
144		LA_MEN1_TARGETS		15	-0.56	-1.42	0.062	0.368	1	2033	tags=40%, list=20%,
180		BERENJENO_ROCK_SIGNALING_NOT_VIA_RHOA_DN		43	-0.44	-1.38	0.062	0.398	1	2621	tags=42%, list=26%,
281		ZENG_GU_ICB_CONTROL_METAGENE_44_PRECICTIVE_ICB_RESPONSE		117	-0.36	-1.31	0.062	0.43	1	1406	tags=22%, list=14%,
351		REACTOME_SIGNALING_BY_GPCR		170	-0.34	-1.26	0.062	0.485	1	2654	tags=32%, list=26%,
410		DELACROIX_RARG_BOUND_MEF		244	-0.32	-1.23	0.062	0.518	1	2143	tags=27%, list=21%,
146		REACTOME_RUNX1_INTERACTS_WITH_CO_FACTORS_WHOSE_PRECISE_EFFECT_ON_RUNX1_TARGETS_IS_NOT_KNOWN		25	-0.49	-1.42	0.063	0.365	1	1530	tags=36%, list=15%, signal=42%
151		KASLER_HDAC7_TARGETS_2_DN		21	-0.51	-1.41	0.063	0.366	1	3192	tags=48%, list=32%,
276		REACTOME_DNA_REPLICATION_PRE_INITIATION		88	-0.37	-1.32	0.063	0.427	1	2710	tags=38%, list=27%,
166		BIOCARTA_PDGF_PATHWAY		26	-0.5	-1.4	0.064	0.368	1	2648	tags=58%, list=26%,
208		SEKI_INFLAMMATORY_RESPONSE_LPS_UP		45	-0.42	-1.36	0.064	0.412	1	3432	tags=51%, list=34%,
129		REACTOME_DOWNREGULATION_OF_ERBB2_SIGNALING		15	-0.56	-1.44	0.065	0.354	1	148	tags=20%, list=1%, signal=20%
162		GREENBAUM_E2A_TARGETS_UP		16	-0.55	-1.4	0.065	0.372	1	2004	tags=31%, list=20%,
353		REACTOME_DEVELOPMENTAL_BIOLOGY		184	-0.34	-1.26	0.066	0.486	1	3113	tags=38%, list=31%,
143		GROSS_HYPOXIA_VIA_ELK3_ONLY_UP		23	-0.5	-1.42	0.067	0.364	1	2197	tags=48%, list=22%,
233		REACTOME_GLI3_IS_PROCESSED_TO_GLI3R_BY_THE_PROTEASOME		54	-0.41	-1.35	0.068	0.407	1	3600	tags=50%, list=36%,
284		FOSTER_KDM1A_TARGETS_UP		94	-0.37	-1.31	0.068	0.427	1	2745	tags=38%, list=27%,
320		ZHANG_BREAST_CANCER_PROGENITORS_DN		102	-0.36	-1.28	0.069	0.462	1	2769	tags=34%, list=27%,
152		BIOCARTA_EPO_PATHWAY		17	-0.54	-1.41	0.07	0.366	1	2648	tags=53%, list=26%,
198		REACTOME_COSTIMULATION_BY_THE_CD28_FAMILY		34	-0.45	-1.37	0.07	0.4	1	2652	tags=44%, list=26%,
261		REACTOME_THE_ROLE_OF_GTSE1_IN_G2_M_PROGRESSION_AFTER_G2_CHECKP		59	-0.4	-1.33	0.07	0.423	1	2710	tags=42%, list=27%,
253		ZEMEK_IMMUNE_CHECKPOINT_BLOCKADE_OVARIAN_CANCER_RENCA_UP		51	-0.42	-1.33	0.072	0.411	1	2869	tags=45%, list=28%,
334		MCBRYAN_PUBERTAL_BREAST_5_6WK_DN		114	-0.36	-1.27	0.072	0.472	1	3721	tags=48%, list=37%,
213		GAVIN_FOXP3_TARGETS_CLUSTER_P2		41	-0.44	-1.36	0.073	0.41	1	2297	tags=39%, list=23%,
246		REACTOME_NUCLEAR_EVENTS_MEDIATED_BY_NFE2L2		54	-0.41	-1.34	0.074	0.415	1	3600	tags=48%, list=36%,
255		REACTOME_DOWNSTREAM_SIGNALING_EVENTS_OF_B_CELL_RECEPTOR_BCR		74	-0.39	-1.33	0.074	0.421	1	2894	tags=41%, list=29%,
298		TSENG_IRS1_TARGETS_DN		93	-0.37	-1.3	0.074	0.435	1	2477	tags=38%, list=25%,
289		REACTOME_C_TYPE_LECTIN_RECEPTORS_CLRS		91	-0.37	-1.31	0.075	0.431	1	3287	tags=46%, list=33%,
171		STEARMAN_TUMOR_FIELD_EFFECT_UP		30	-0.46	-1.4	0.076	0.368	1	2082	tags=40%, list=21%,
174		BRACHAT_RESPONSE_TO_CAMPTOTHECIN_UP		20	-0.51	-1.39	0.076	0.402	1	1132	tags=30%, list=11%,
244		REACTOME_ASYMMETRIC_LOCALIZATION_OF_PCP_PROTEINS		55	-0.41	-1.34	0.076	0.416	1	3676	tags=51%, list=36%,
245		CASTELLANO_NRAS_TARGETS_UP		58	-0.4	-1.34	0.076	0.414	1	2955	tags=43%, list=29%,
266		WP_ESC_PLURIPOTENCY_PATHWAYS		63	-0.39	-1.32	0.076	0.424	1	998	tags=21%, list=10%,
160		LEE_AGING_MUSCLE_UP		26	-0.48	-1.41	0.077	0.373	1	1619	tags=27%, list=16%,
302		RASHI_RESPONSE_TO_IONIZING_RADIATION_5		94	-0.37	-1.3	0.078	0.441	1	3096	tags=40%, list=31%,
237		ZEMEK_IMMUNE_CHECKPOINT_BLOCKADE_OVARIAN_CANCER_OVERLAP_UP		50	-0.42	-1.34	0.079	0.407	1	2869	tags=46%, list=28%,
238		IKEDA_MIR1_TARGETS_UP		49	-0.41	-1.34	0.081	0.406	1	2037	tags=35%, list=20%,
482		NABA_MATRISOME		325	-0.31	-1.18	0.081	0.582	1	3068	tags=41%, list=30%,
173		REACTOME_CARGO_CONCENTRATION_IN_THE_ER		25	-0.48	-1.39	0.082	0.378	1	3581	tags=52%, list=35%,
186		JOHANSSON_BRAIN_CANCER_EARLY_VS_LATE_DN		36	-0.44	-1.38	0.082	0.397	1	2722	tags=42%, list=27%,
291		REACTOME_CARGO_RECOGNITION_FOR_CLATHRIN_MEDIATED_ENDOCYTOSIS		70	-0.38	-1.31	0.082	0.435	1	3113	tags=41%, list=31%,
352		CHYLA_CBFA2T3_TARGETS_DN		127	-0.35	-1.26	0.082	0.484	1	3353	tags=41%, list=33%,
232		LEE_TARGETS_OF_PTCH1_AND_SUFU_UP		36	-0.44	-1.35	0.083	0.407	1	2672	tags=44%, list=26%,
301		REACTOME_APC_C_MEDIATED_DEGRADATION_OF_CELL_CYCLE_PROTEINS		74	-0.38	-1.3	0.083	0.433	1	2710	tags=38%, list=27%,
331		REACTOME_MACROAUTOPHAGY		99	-0.36	-1.28	0.083	0.469	1	2743	tags=35%, list=27%,
243		CHIARADONNA_NEOPLASTIC_TRANSFORMATION_KRAS_CDC25_DN		37	-0.43	-1.34	0.084	0.416	1	2669	tags=46%, list=26%,
257		BURTON_ADIPOGENESIS_11		48	-0.41	-1.33	0.084	0.42	1	2306	tags=31%, list=23%,
212		LEE_AGING_MUSCLE_DN		31	-0.46	-1.36	0.085	0.411	1	2203	tags=45%, list=22%,
236		BIOCARTA_KERATINOCYTE_PATHWAY		37	-0.44	-1.34	0.085	0.408	1	807	tags=22%, list=8%, signal=23%
275		REACTOME_MAPK6_MAPK4_SIGNALING		63	-0.39	-1.32	0.085	0.425	1	2710	tags=41%, list=27%,
407		WANG_TUMOR_INVASIVENESS_DN		184	-0.33	-1.23	0.085	0.52	1	4724	tags=53%, list=47%,
223		ZHENG_GLIOBLASTOMA_PLASTICITY_DN		29	-0.46	-1.35	0.086	0.404	1	2089	tags=52%, list=21%,
248		MCCLUNG_COCAIN_REWARD_4WK		46	-0.41	-1.34	0.086	0.413	1	2323	tags=43%, list=23%,
345		REACTOME_CLATHRIN_MEDIATED_ENDOCYTOSIS		100	-0.36	-1.27	0.086	0.476	1	2890	tags=39%, list=29%,
514		REACTOME_CELLULAR_RESPONSES_TO_STIMULI		371	-0.3	-1.16	0.087	0.594	1	3728	tags=41%, list=37%,
177		GROSS_ELK3_TARGETS_UP		21	-0.5	-1.38	0.088	0.403	1	1927	tags=33%, list=19%,
206		BIOCARTA_NUCLEARRS_PATHWAY		25	-0.47	-1.36	0.088	0.409	1	3052	tags=48%, list=30%,
260		MARSON_FOXP3_TARGETS_UP		53	-0.4	-1.33	0.088	0.424	1	3046	tags=45%, list=30%,
288		REACTOME_TRANSPORT_OF_MATURE_TRANSCRIPT_TO_CYTOPLASM		69	-0.39	-1.31	0.088	0.427	1	2222	tags=30%, list=22%,
207		WP_IL_9_SIGNALING_PATHWAY		18	-0.51	-1.36	0.089	0.411	1	2597	tags=50%, list=26%,
234		JIANG_AGING_CEREBRAL_CORTEX_DN		37	-0.43	-1.35	0.09	0.406	1	4208	tags=51%, list=42%,
182		BAUS_TFF2_TARGETS_UP		23	-0.49	-1.38	0.091	0.398	1	2649	tags=61%, list=26%,
219		REACTOME_EPHB_MEDIATED_FORWARD_SIGNALING		25	-0.48	-1.35	0.091	0.407	1	2451	tags=36%, list=24%,
280		MORI_PRE_BI_LYMPHOCYTE_DN		64	-0.39	-1.31	0.091	0.429	1	2335	tags=39%, list=23%,
328		NABA_CORE_MATRISOME		95	-0.36	-1.28	0.091	0.469	1	2745	tags=40%, list=27%,
191		BIOCARTA_NGF_PATHWAY		16	-0.52	-1.38	0.092	0.398	1	2648	tags=50%, list=26%,
199		REACTOME_FCERI_MEDIATED_MAPK_ACTIVATION		20	-0.5	-1.37	0.092	0.4	1	3699	tags=70%, list=37%,
200		LEE_AGING_NEOCORTEX_DN		35	-0.45	-1.37	0.092	0.398	1	2593	tags=34%, list=26%,
218		WP_ONE_CARBON_METABOLISM		24	-0.47	-1.35	0.092	0.409	1	3582	tags=50%, list=35%,
240		HOUSTIS_ROS		33	-0.45	-1.34	0.092	0.414	1	4692	tags=70%, list=46%,
386		ICHIBA_GRAFT_VERSUS_HOST_DISEASE_35D_UP		116	-0.35	-1.24	0.092	0.491	1	2530	tags=36%, list=25%,
400		GRAESSMANN_APOPTOSIS_BY_SERUM_DEPRIVATION_DN		139	-0.34	-1.23	0.092	0.509	1	2620	tags=32%, list=26%,
241		LEE_AGING_CEREBELLUM_DN		37	-0.44	-1.34	0.093	0.412	1	1761	tags=32%, list=17%,
267		REACTOME_CELL_DEATH_SIGNALLING_VIA_NRAGE_NRIF_AND_NADE		44	-0.41	-1.32	0.093	0.423	1	2654	tags=39%, list=26%,
509		WANG_TUMOR_INVASIVENESS_UP		340	-0.3	-1.16	0.093	0.596	1	4011	tags=40%, list=40%,
279		WP_ALPHA_6_BETA_4_INTEGRIN_SIGNALING_PATHWAY		42	-0.42	-1.31	0.094	0.426	1	1213	tags=24%, list=12%,
344		REACTOME_ASSEMBLY_OF_THE_PRE_REPLICATIVE_COMPLEX		77	-0.37	-1.27	0.094	0.476	1	2710	tags=38%, list=27%,
189		STEGER_ADIPOGENESIS_UP		16	-0.52	-1.38	0.095	0.393	1	952	tags=31%, list=9%, signal=34%
203		BIOCARTA_MET_PATHWAY		28	-0.47	-1.36	0.095	0.407	1	2597	tags=39%, list=26%,
314		REACTOME_SCF_SKP2_MEDIATED_DEGRADATION_OF_P27_P21		55	-0.39	-1.29	0.095	0.453	1	2710	tags=40%, list=27%,
342		INGRAM_SHH_TARGETS_UP		93	-0.36	-1.27	0.095	0.472	1	2726	tags=32%, list=27%,
179		REACTOME_SUMOYLATION_OF_INTRACELLULAR_RECEPTORS		19	-0.51	-1.38	0.096	0.399	1	3052	tags=53%, list=30%,
211		REACTOME_SIGNAL_TRANSDUCTION_BY_L1		17	-0.52	-1.36	0.096	0.41	1	4509	tags=82%, list=45%,
294		REACTOME_CYCLIN_A_CDK2_ASSOCIATED_EVENTS_AT_S_PHASE_ENTRY		63	-0.39	-1.3	0.096	0.439	1	2710	tags=38%, list=27%,
242		BIOCARTA_ECM_PATHWAY		19	-0.5	-1.34	0.098	0.411	1	1213	tags=26%, list=12%,
286		BILANGES_RAPAMYCIN_SENSITIVE_VIA_TSC1_AND_TSC2		63	-0.39	-1.31	0.098	0.427	1	2225	tags=29%, list=22%,
305		ZENG_GU_ICB_CONTROL_METAGENE_8_PRECICTIVE_ICB_RESPONSE		57	-0.39	-1.3	0.098	0.446	1	1949	tags=28%, list=19%,
306		GAVIN_FOXP3_TARGETS_CLUSTER_P7		51	-0.4	-1.29	0.099	0.446	1	3342	tags=47%, list=33%,
197		REACTOME_THROMBIN_SIGNALLING_THROUGH_PROTEINASE_ACTIVATED_RECEPTORS_PARS		17	-0.52	-1.37	0.1	0.402	1	804	tags=24%, list=8%, signal=26%
227		REACTOME_COMMON_PATHWAY_OF_FIBRIN_CLOT_FORMATION		15	-0.53	-1.35	0.1	0.403	1	3530	tags=73%, list=35%,
254		POS_HISTAMINE_RESPONSE_NETWORK		20	-0.49	-1.33	0.101	0.413	1	2519	tags=50%, list=25%,
297		CHESLER_BRAIN_QTL_CIS		52	-0.4	-1.3	0.101	0.436	1	2128	tags=29%, list=21%,
513		BOCHKIS_FOXA2_TARGETS		383	-0.3	-1.16	0.101	0.594	1	3472	tags=38%, list=34%,
224		RASHI_NFKB1_TARGETS		15	-0.53	-1.35	0.102	0.404	1	2621	tags=47%, list=26%,
264		BORLAK_LIVER_CANCER_EGF_UP		38	-0.43	-1.32	0.102	0.423	1	2651	tags=47%, list=26%,
347		GAVIN_FOXP3_TARGETS_CLUSTER_T7		87	-0.36	-1.26	0.102	0.481	1	2635	tags=29%, list=26%,
359		REACTOME_METABOLISM_OF_STEROIDS		85	-0.36	-1.26	0.102	0.488	1	3437	tags=45%, list=34%,
222		REACTOME_INTERLEUKIN_2_FAMILY_SIGNALING		17	-0.52	-1.35	0.103	0.406	1	2597	tags=53%, list=26%,
250		BIOCARTA_P38MAPK_PATHWAY		25	-0.47	-1.33	0.104	0.413	1	4410	tags=72%, list=44%,
271		MARSON_FOXP3_TARGETS_DN		38	-0.43	-1.32	0.105	0.426	1	2649	tags=37%, list=26%,
424		TORCHIA_TARGETS_OF_EWSR1_FLI1_FUSION_UP		173	-0.33	-1.22	0.105	0.527	1	1572	tags=23%, list=16%,
325		ZAMORA_NOS2_TARGETS_DN		71	-0.38	-1.28	0.107	0.468	1	3406	tags=45%, list=34%,
330		REACTOME_TRANSCRIPTIONAL_REGULATION_BY_RUNX3		67	-0.38	-1.28	0.107	0.468	1	2710	tags=37%, list=27%,
357		REACTOME_BETA_CATENIN_INDEPENDENT_WNT_SIGNALING		94	-0.36	-1.26	0.107	0.486	1	2834	tags=37%, list=28%,
392		NABA_ECM_REGULATORS		106	-0.35	-1.24	0.107	0.497	1	3068	tags=46%, list=30%,
270		BURTON_ADIPOGENESIS_4		35	-0.43	-1.32	0.108	0.424	1	1946	tags=34%, list=19%,
537		REACTOME_MEMBRANE_TRAFFICKING		405	-0.3	-1.15	0.108	0.607	1	3596	tags=41%, list=36%,
263		MCDOWELL_ACUTE_LUNG_INJURY_DN		32	-0.45	-1.32	0.109	0.424	1	1340	tags=31%, list=13%,
327		QI_PLASMACYTOMA_DN		68	-0.38	-1.28	0.109	0.468	1	3330	tags=46%, list=33%,
312		REACTOME_GAMMA_CARBOXYLATION_HYPUSINYLATION_HYDROXYLATION_AND_ARYLSULFATASE_ACTIVATION		44	-0.41	-1.29	0.11	0.451	1	3630	tags=52%, list=36%, signal=81%
341		REACTOME_TNFR2_NON_CANONICAL_NF_KB_PATHWAY		61	-0.38	-1.27	0.11	0.473	1	3600	tags=49%, list=36%,
226		GAZIN_EPIGENETIC_SILENCING_BY_KRAS		16	-0.53	-1.35	0.111	0.405	1	1547	tags=31%, list=15%,
497		MONNIER_POSTRADIATION_TUMOR_ESCAPE_DN		304	-0.3	-1.17	0.111	0.588	1	2670	tags=31%, list=26%,
220		REACTOME_GPVI_MEDIATED_ACTIVATION_CASCADE		20	-0.5	-1.35	0.112	0.406	1	2241	tags=45%, list=22%,
259		REACTOME_ISG15_ANTIVIRAL_MECHANISM		27	-0.45	-1.33	0.113	0.423	1	3585	tags=52%, list=35%,
256		MIKKELSEN_ES_HCP_WITH_H3_UNMETHYLATED		15	-0.51	-1.33	0.114	0.421	1	3065	tags=60%, list=30%,
214		REACTOME_PARACETAMOL_ADME		21	-0.49	-1.36	0.115	0.409	1	2442	tags=33%, list=24%,
417		REACTOME_SUMOYLATION		121	-0.34	-1.22	0.115	0.531	1	2170	tags=27%, list=21%,
370		GROSS_HYPOXIA_VIA_ELK3_AND_HIF1A_UP		109	-0.35	-1.25	0.116	0.492	1	2938	tags=37%, list=29%,
252		REACTOME_CLASS_B_2_SECRETIN_FAMILY_RECEPTORS		17	-0.51	-1.33	0.117	0.412	1	521	tags=18%, list=5%, signal=19%
258		WP_WHITE_FAT_CELL_DIFFERENTIATION		20	-0.48	-1.33	0.118	0.424	1	4116	tags=65%, list=41%,
282		REACTOME_FLT3_SIGNALING		25	-0.46	-1.31	0.119	0.428	1	604	tags=20%, list=6%, signal=21%
384		GAUSSMANN_MLL_AF4_FUSION_TARGETS_F_UP		102	-0.35	-1.25	0.119	0.491	1	3061	tags=39%, list=30%,
437		YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_17		174	-0.32	-1.21	0.119	0.543	1	3368	tags=36%, list=33%,
395		GERY_CEBP_TARGETS		94	-0.35	-1.24	0.12	0.495	1	2690	tags=36%, list=27%,
273		HEVNER_CORTEX_CAUDAL_VENTRICULAR_ZONE		26	-0.46	-1.32	0.121	0.427	1	1723	tags=31%, list=17%,
316		REACTOME_DECTIN_1_MEDIATED_NONCANONICAL_NF_KB_SIGNALING		52	-0.39	-1.29	0.121	0.46	1	2710	tags=40%, list=27%,
315		MODY_HIPPOCAMPUS_POSTNATAL		34	-0.43	-1.29	0.122	0.461	1	3585	tags=44%, list=35%,
268		REACTOME_SIGNALING_BY_SCF_KIT		24	-0.47	-1.32	0.123	0.423	1	2597	tags=42%, list=26%,
313		REACTOME_TRANS_GOLGI_NETWORK_VESICLE_BUDDING		56	-0.39	-1.29	0.123	0.452	1	2061	tags=34%, list=20%,
272		BURTON_ADIPOGENESIS_1		25	-0.46	-1.32	0.124	0.426	1	2089	tags=32%, list=21%,
365		MIKKELSEN_MEF_LCP_WITH_H3K4ME3		71	-0.37	-1.25	0.125	0.495	1	3172	tags=49%, list=31%,
265		REACTOME_CD28_CO_STIMULATION		20	-0.49	-1.32	0.126	0.425	1	2552	tags=45%, list=25%,
355		HUMMERICH_SKIN_CANCER_PROGRESSION_DN		66	-0.37	-1.26	0.126	0.486	1	2044	tags=29%, list=20%,
308		RASHI_RESPONSE_TO_IONIZING_RADIATION_3		33	-0.43	-1.29	0.127	0.449	1	1563	tags=30%, list=15%,
348		SAFFORD_T_LYMPHOCYTE_ANERGY		46	-0.39	-1.26	0.127	0.48	1	627	tags=15%, list=6%, signal=16%
402		REACTOME_CLEC7A_DECTIN_1_SIGNALING		80	-0.35	-1.23	0.128	0.518	1	2894	tags=41%, list=29%,
408		MA_RAT_AGING_DN		117	-0.34	-1.23	0.129	0.519	1	2137	tags=30%, list=21%,
422		BYSTRYKH_HEMATOPOIESIS_STEM_CELL_AND_BRAIN_QTL_TRANS		114	-0.34	-1.22	0.129	0.529	1	3111	tags=39%, list=31%,
292		BIOCARTA_INSULIN_PATHWAY		18	-0.49	-1.31	0.13	0.434	1	2648	tags=50%, list=26%,
360		YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_7		63	-0.37	-1.26	0.13	0.488	1	2796	tags=38%, list=28%,
397		REACTOME_CELLULAR_RESPONSE_TO_HYPOXIA		65	-0.37	-1.24	0.13	0.501	1	2749	tags=35%, list=27%,
269		ONO_FOXP3_TARGETS_DN		16	-0.5	-1.32	0.131	0.422	1	2577	tags=56%, list=26%,
285		HOFFMANN_IMMATURE_TO_MATURE_B_LYMPHOCYTE_UP		19	-0.48	-1.31	0.131	0.426	1	2919	tags=53%, list=29%,
319		LEIN_MIDBRAIN_MARKERS		32	-0.44	-1.28	0.133	0.463	1	1309	tags=22%, list=13%,
431		MCBRYAN_PUBERTAL_BREAST_3_4WK_UP		124	-0.33	-1.21	0.133	0.531	1	2651	tags=35%, list=26%,
434		REACTOME_SEPARATION_OF_SISTER_CHROMATIDS		136	-0.33	-1.21	0.133	0.535	1	2710	tags=36%, list=27%,
453		REACTOME_ASPARAGINE_N_LINKED_GLYCOSYLATION		201	-0.32	-1.19	0.133	0.567	1	3596	tags=41%, list=36%,
317		REACTOME_SUMOYLATION_OF_TRANSCRIPTION_COFACTORS		28	-0.44	-1.29	0.136	0.46	1	2091	tags=36%, list=21%,
293		BRACHAT_RESPONSE_TO_METHOTREXATE_DN		22	-0.48	-1.3	0.138	0.439	1	2068	tags=36%, list=20%,
335		REACTOME_CYTOPROTECTION_BY_HMOX1		46	-0.4	-1.27	0.138	0.472	1	3728	tags=46%, list=37%,
338		RASHI_RESPONSE_TO_IONIZING_RADIATION_1		33	-0.42	-1.27	0.138	0.474	1	2503	tags=36%, list=25%,
428		REACTOME_G1_S_TRANSITION		90	-0.35	-1.22	0.14	0.527	1	2710	tags=36%, list=27%,
555		SCHAEFFER_PROSTATE_DEVELOPMENT_6HR_DN		372	-0.29	-1.14	0.14	0.619	1	3313	tags=37%, list=33%,
321		SCHAEFFER_PROSTATE_DEVELOPMENT_AND_CANCER_BOX4_DN		31	-0.43	-1.28	0.141	0.464	1	2503	tags=42%, list=25%,
340		MORI_PLASMA_CELL_UP		45	-0.4	-1.27	0.141	0.473	1	3176	tags=40%, list=31%,
356		REACTOME_SIGNALING_BY_NTRKS		54	-0.39	-1.26	0.141	0.485	1	2655	tags=39%, list=26%,
426		REACTOME_SLC_MEDIATED_TRANSMEMBRANE_TRANSPORT		107	-0.34	-1.22	0.141	0.527	1	2417	tags=33%, list=24%,
307		BURTON_ADIPOGENESIS_PEAK_AT_2HR		28	-0.44	-1.29	0.142	0.45	1	3021	tags=39%, list=30%,
329		LIAN_LIPA_TARGETS_3M		40	-0.4	-1.28	0.142	0.469	1	3482	tags=48%, list=34%,
396		REACTOME_SUMOYLATION_OF_DNA_DAMAGE_RESPONSE_AND_REPAIR_PROTEI		58	-0.37	-1.24	0.142	0.496	1	2091	tags=29%, list=21%,
332		REACTOME_NUCLEAR_RECEPTOR_TRANSCRIPTION_PATHWAY		28	-0.43	-1.28	0.143	0.469	1	3052	tags=50%, list=30%,
322		REACTOME_MAPK_TARGETS_NUCLEAR_EVENTS_MEDIATED_BY_MAP_KINASES		23	-0.45	-1.28	0.144	0.466	1	4697	tags=83%, list=47%,
406		ZENG_GU_ICB_CONTROL_METAGENE_14_PRECICTIVE_ICB_RESPONSE		67	-0.37	-1.23	0.144	0.519	1	2073	tags=30%, list=21%,
436		REACTOME_TRANSCRIPTIONAL_REGULATION_BY_RUNX1		113	-0.34	-1.21	0.144	0.541	1	2710	tags=35%, list=27%,
277		WP_MICROGLIA_PATHOGEN_PHAGOCYTOSIS_PATHWAY		23	-0.46	-1.32	0.145	0.425	1	2451	tags=48%, list=24%,
300		REACTOME_CARGO_TRAFFICKING_TO_THE_PERICILIARY_MEMBRANE		27	-0.45	-1.3	0.145	0.433	1	2836	tags=48%, list=28%,
274		REACTOME_RHO_GTPASES_ACTIVATE_NADPH_OXIDASES		17	-0.5	-1.32	0.146	0.426	1	2149	tags=47%, list=21%,
398		REACTOME_AMINO_ACIDS_REGULATE_MTORC1		40	-0.4	-1.24	0.148	0.5	1	2436	tags=35%, list=24%,
295		REACTOME_DAP12_SIGNALING		16	-0.5	-1.3	0.15	0.438	1	2369	tags=44%, list=23%,
310		REACTOME_INTRINSIC_PATHWAY_OF_FIBRIN_CLOT_FORMATION		16	-0.5	-1.29	0.151	0.45	1	4545	tags=94%, list=45%,
523		KUMAR_TARGETS_OF_MLL_AF9_FUSION		261	-0.3	-1.15	0.153	0.607	1	2598	tags=28%, list=26%,
333		WP_RETINOL_METABOLISM		25	-0.44	-1.27	0.154	0.472	1	1219	tags=24%, list=12%,
372		VANDESLUIS_COMMD1_TARGETS_GROUP_3_UP		47	-0.39	-1.25	0.154	0.491	1	638	tags=15%, list=6%, signal=16%
403		KATSANOU_ELAVL1_TARGETS_DN		69	-0.36	-1.23	0.155	0.517	1	1988	tags=30%, list=20%,
326		TERAO_AOX4_TARGETS_SKIN_UP		20	-0.46	-1.28	0.156	0.467	1	2364	tags=35%, list=23%,
337		REACTOME_REGULATION_OF_PTEN_GENE_TRANSCRIPTION		32	-0.42	-1.27	0.157	0.475	1	3069	tags=44%, list=30%,
378		REACTOME_SIGNALING_BY_INSULIN_RECEPTOR		47	-0.39	-1.25	0.157	0.49	1	3023	tags=38%, list=30%,
557		MILI_PSEUDOPODIA_CHEMOTAXIS_DN		326	-0.3	-1.14	0.158	0.621	1	3496	tags=37%, list=35%,
390		LIM_MAMMARY_LUMINAL_MATURE_UP		59	-0.37	-1.24	0.16	0.494	1	1431	tags=25%, list=14%,

415		BILANGES_SERUM_SENSITIVE_GENES		52	-0.38	-1.22	0.16	0.529	1	2716	tags=35%, list=27%,
336		MULLIGAN_NTF3_SIGNALING_VIA_INSR_AND_IGF1R_UP		19	-0.47	-1.27	0.161	0.473	1	3610	tags=58%, list=36%,
383		WP_EXERCISE_INDUCED_CIRCADIAN_REGULATION		42	-0.39	-1.25	0.161	0.491	1	2391	tags=40%, list=24%,
394		BURTON_ADIPOGENESIS_7		38	-0.4	-1.24	0.161	0.496	1	3785	tags=58%, list=37%,
421		REACTOME_INTERLEUKIN_1_FAMILY_SIGNALING		93	-0.35	-1.22	0.161	0.53	1	3654	tags=44%, list=36%,
350		BIOCARTA_ERK_PATHWAY		22	-0.45	-1.26	0.163	0.486	1	2597	tags=41%, list=26%,
387		TSENG_ADIPOGENIC_POTENTIAL_DN		34	-0.4	-1.24	0.163	0.491	1	1381	tags=29%, list=14%,
582		MARTINEZ_RB1_TARGETS_DN		371	-0.29	-1.12	0.163	0.649	1	3037	tags=35%, list=30%,
354		WP_NOTCH_SIGNALING_PATHWAY		28	-0.44	-1.26	0.164	0.486	1	2342	tags=29%, list=23%,
419		SCHAEFFER_PROSTATE_DEVELOPMENT_12HR_UP		70	-0.36	-1.22	0.164	0.53	1	2518	tags=37%, list=25%,
373		WANG_RESPONSE_TO_BEXAROTENE_UP		18	-0.47	-1.25	0.166	0.49	1	1921	tags=44%, list=19%,
518		VANOEVELEN_MYOGENESIS_SIN3A_TARGETS		171	-0.31	-1.16	0.167	0.603	1	3056	tags=33%, list=30%,
346		RIZ_ERYTHROID_DIFFERENTIATION_12HR		23	-0.45	-1.26	0.168	0.482	1	2314	tags=39%, list=23%,
349		VANASSE_BCL2_TARGETS_UP		21	-0.46	-1.26	0.168	0.479	1	3196	tags=52%, list=32%,
376		REACTOME_L1CAM_INTERACTIONS		44	-0.39	-1.25	0.168	0.489	1	1997	tags=32%, list=20%,
368		REACTOME_DNA_DOUBLE_STRAND_BREAK_RESPONSE		38	-0.41	-1.25	0.169	0.492	1	292	tags=13%, list=3%, signal=13%
339		LANDIS_ERBB2_BREAST_TUMORS_65_UP		20	-0.47	-1.27	0.172	0.473	1	2368	tags=40%, list=23%,
369		SHIN_B_CELL_LYMPHOMA_CLUSTER_8		20	-0.46	-1.25	0.172	0.491	1	1685	tags=35%, list=17%,
367		CHESLER_BRAIN_HIGHEST_GENETIC_VARIANCE		29	-0.42	-1.25	0.175	0.492	1	2978	tags=45%, list=29%,
450		REACTOME_SWITCHING_OF_ORIGINS_TO_A_POST_REPLICATIVE_STATE		81	-0.35	-1.2	0.176	0.562	1	2710	tags=36%, list=27%,
459		NABA_ECM_GLYCOPROTEINS		71	-0.35	-1.19	0.177	0.569	1	2745	tags=41%, list=27%,
391		YU_MYC_TARGETS_DN		40	-0.4	-1.24	0.179	0.495	1	2846	tags=43%, list=28%,
418		QUINTENS_EMBRYONIC_BRAIN_RESPONSE_TO_IR		50	-0.37	-1.22	0.18	0.531	1	2106	tags=32%, list=21%,
488		REACTOME_ER_TO_GOLGI_ANTEROGRADE_TRANSPORT		120	-0.33	-1.18	0.181	0.577	1	3596	tags=42%, list=36%,
393		REACTOME_INITIAL_TRIGGERING_OF_COMPLEMENT		16	-0.48	-1.24	0.183	0.497	1	976	tags=31%, list=10%,
576		FOSTER_TOLERANT_MACROPHAGE_DN		302	-0.29	-1.12	0.183	0.64	1	2876	tags=33%, list=28%,
427		REACTOME_GOLGI_ASSOCIATED_VESICLE_BIOGENESIS		43	-0.39	-1.22	0.184	0.528	1	2061	tags=35%, list=20%,
532		LI_INDUCED_T_TO_NATURAL_KILLER_UP		191	-0.31	-1.15	0.184	0.608	1	2774	tags=36%, list=27%,
505		MCBRYAN_PUBERTAL_TGFB1_TARGETS_UP		133	-0.32	-1.16	0.185	0.593	1	1626	tags=24%, list=16%,
423		REACTOME_SIGNALING_BY_PTK6		32	-0.41	-1.22	0.186	0.528	1	1165	tags=22%, list=12%,
404		REACTOME_INSULIN_RECEPTOR_SIGNALLING_CASCADE		26	-0.42	-1.23	0.187	0.516	1	2726	tags=42%, list=27%,
472		MARKEY_RB1_CHRONIC_LOF_DN		82	-0.34	-1.18	0.187	0.579	1	3136	tags=37%, list=31%,
528		REACTOME_PLATELET_ACTIVATION_SIGNALING_AND_AGGREGATION		169	-0.31	-1.15	0.187	0.607	1	2713	tags=34%, list=27%,
363		WANG_IMMORTALIZED_BY_HOXA9_AND_MEIS1_UP		19	-0.46	-1.25	0.188	0.493	1	1267	tags=32%, list=13%,
487		WP_IL_6_SIGNALING_PATHWAY		80	-0.34	-1.18	0.188	0.578	1	2416	tags=31%, list=24%,
485		CHIARADONNA_NEOPLASTIC_TRANSFORMATION_KRAS_DN		112	-0.32	-1.18	0.19	0.579	1	905	tags=17%, list=9%, signal=18%
438		REACTOME_CYTOCHROME_P450_ARRANGED_BY_SUBSTRATE_TYPE		38	-0.39	-1.21	0.191	0.547	1	1658	tags=34%, list=16%,
495		REACTOME_S_PHASE		123	-0.33	-1.17	0.191	0.589	1	1713	tags=24%, list=17%,
364		WP_GPCRS_CLASS_A_RHODOPSIN_LIKE		17	-0.47	-1.25	0.192	0.496	1	668	tags=18%, list=7%, signal=19%
371		REACTOME_MTORC1_MEDIATED_SIGNALLING		21	-0.45	-1.25	0.192	0.491	1	2655	tags=48%, list=26%,
381		OUYANG_PROSTATE_CANCER_MARKERS		16	-0.48	-1.25	0.193	0.491	1	2857	tags=44%, list=28%,
433		SASAI_RESISTANCE_TO_NEOPLASTIC_TRANSFROMATION		30	-0.41	-1.21	0.193	0.535	1	2214	tags=33%, list=22%,
483		PLASARI_TGFB1_SIGNALING_VIA_NFIC_1HR_DN		71	-0.35	-1.18	0.193	0.581	1	1890	tags=28%, list=19%,
444		REACTOME_GPCR_LIGAND_BINDING		65	-0.36	-1.2	0.195	0.549	1	1337	tags=20%, list=13%,
446		LEE_CALORIE_RESTRICTION_NEOCORTEX_UP		42	-0.38	-1.2	0.195	0.553	1	2695	tags=33%, list=27%,
468		PANGAS_TUMOR_SUPPRESSION_BY_SMAD1_AND_SMAD5_UP		79	-0.34	-1.19	0.195	0.569	1	2203	tags=25%, list=22%,
593		IVANOVA_HEMATOPOIESIS_STEM_CELL_AND_PROGENITOR		349	-0.29	-1.11	0.196	0.658	1	2661	tags=30%, list=26%,
464		REACTOME_NEGATIVE_REGULATION_OF_THE_PI3K_AKT_NETWORK		58	-0.36	-1.19	0.198	0.567	1	2534	tags=34%, list=25%,
379		REACTOME_TRANSCRIPTIONAL_REGULATION_BY_E2F6		18	-0.47	-1.25	0.199	0.49	1	1267	tags=28%, list=13%,
389		REACTOME_NEGATIVE_REGULATION_OF_MET_ACTIVITY		17	-0.47	-1.24	0.199	0.492	1	2539	tags=35%, list=25%,
385		NABA_MATRISOME_PRIMARY_METASTATIC_LUNG_TUMOR		21	-0.45	-1.24	0.201	0.491	1	2395	tags=48%, list=24%,
405		SHIN_B_CELL_LYMPHOMA_CLUSTER_7		19	-0.46	-1.23	0.201	0.517	1	2024	tags=32%, list=20%,
602		IVANOVA_HEMATOPOIESIS_LATE_PROGENITOR		364	-0.29	-1.11	0.201	0.657	1	2559	tags=27%, list=25%,
481		WP_REGULATION_OF_ACTIN_CYTOSKELETON		87	-0.33	-1.18	0.203	0.583	1	2652	tags=33%, list=26%,
486		REACTOME_PROTEIN_UBIQUITINATION		51	-0.36	-1.18	0.204	0.579	1	3726	tags=41%, list=37%,
507		IVANOVA_HEMATOPOIESIS_STEM_CELL_LONG_TERM		107	-0.33	-1.16	0.204	0.597	1	2019	tags=29%, list=20%,
432		WP_G13_SIGNALING_PATHWAY		27	-0.41	-1.21	0.205	0.534	1	2322	tags=30%, list=23%,
484		MA_RAT_AGING_UP		74	-0.34	-1.18	0.205	0.58	1	3796	tags=46%, list=38%,
388		BIOCARTA_VDR_PATHWAY		19	-0.46	-1.24	0.206	0.493	1	1078	tags=32%, list=11%,
443		REACTOME_CLASS_A_1_RHODOPSIN_LIKE_RECEPTORS		47	-0.37	-1.2	0.206	0.55	1	2713	tags=36%, list=27%,
420		REACTOME_CELL_CELL_JUNCTION_ORGANIZATION		26	-0.42	-1.22	0.207	0.531	1	3645	tags=54%, list=36%,
448		BOYLAN_MULTIPLE_MYELOMA_C_UP		36	-0.39	-1.2	0.207	0.558	1	1136	tags=19%, list=11%,
498		QI_HYPOXIA		86	-0.34	-1.17	0.207	0.588	1	3165	tags=38%, list=31%,
425		REACTOME_PROTEIN_HYDROXYLATION		15	-0.48	-1.22	0.212	0.526	1	3416	tags=40%, list=34%,
412		CHEN_PDGF_TARGETS		17	-0.47	-1.22	0.213	0.525	1	3298	tags=59%, list=33%,
462		WP_TGF_BETA_SIGNALING_PATHWAY		38	-0.38	-1.19	0.213	0.568	1	868	tags=21%, list=9%, signal=23%
465		ZHONG_SECRETOME_OF_LUNG_CANCER_AND_MACROPHAGE		64	-0.35	-1.19	0.213	0.566	1	3685	tags=42%, list=36%,
430		REACTOME_MITOPHAGY		26	-0.42	-1.21	0.214	0.531	1	1530	tags=27%, list=15%,
525		MIKKELSEN_MCV6_LCP_WITH_H3K4ME3		73	-0.34	-1.15	0.214	0.61	1	3172	tags=40%, list=31%,
460		REACTOME_G_ALPHA_S_SIGNALLING_EVENTS		29	-0.41	-1.19	0.215	0.568	1	1615	tags=24%, list=16%,
441		REACTOME_RHOBTB2_GTPASE_CYCLE		21	-0.44	-1.2	0.216	0.548	1	2682	tags=38%, list=27%,
478		REACTOME_PLASMA_LIPOPROTEIN_ASSEMBLY_REMODELING_AND_CLEARANCE		56	-0.36	-1.18	0.216	0.582	1	3126	tags=41%, list=31%,
489		RASHI_RESPONSE_TO_IONIZING_RADIATION_6		56	-0.36	-1.18	0.217	0.579	1	3548	tags=52%, list=35%,
502		LI_INDUCED_T_TO_NATURAL_KILLER_DN		85	-0.34	-1.17	0.217	0.588	1	2466	tags=32%, list=24%,
449		JIANG_AGING_HYPOTHALAMUS_UP		47	-0.37	-1.2	0.221	0.559	1	2742	tags=30%, list=27%,
475		GUO_HEX_TARGETS_UP		58	-0.36	-1.18	0.221	0.578	1	2408	tags=33%, list=24%,
401		REACTOME_FOXO_MEDIATED_TRANSCRIPTION		16	-0.48	-1.23	0.222	0.514	1	2655	tags=38%, list=26%,
517		REACTOME_ORC1_REMOVAL_FROM_CHROMATIN		63	-0.35	-1.16	0.225	0.598	1	2710	tags=37%, list=27%,
439		REACTOME_COLLAGEN_FORMATION		31	-0.4	-1.21	0.226	0.545	1	3820	tags=68%, list=38%,
416		HU_GENOTOXIC_DAMAGE_4HR		21	-0.44	-1.22	0.228	0.53	1	2209	tags=38%, list=22%,
429		REACTOME_SMAD2_SMAD3_SMAD4_HETEROTRIMER_REGULATES_TRANSCRIPTI		23	-0.43	-1.21	0.228	0.529	1	750	tags=22%, list=7%, signal=23%
458		QI_HYPOXIA_TARGETS_OF_HIF1A_AND_FOXA2		20	-0.43	-1.19	0.228	0.571	1	1615	tags=25%, list=16%,
559		REACTOME_CHROMATIN_MODIFYING_ENZYMES		127	-0.31	-1.13	0.229	0.625	1	3105	tags=35%, list=31%,
445		REACTOME_REGULATION_OF_TP53_ACTIVITY_THROUGH_ACETYLATION		27	-0.41	-1.2	0.23	0.553	1	4034	tags=56%, list=40%,
451		REACTOME_IRS_MEDIATED_SIGNALLING		21	-0.44	-1.19	0.23	0.566	1	2726	tags=43%, list=27%,
463		WP_MECP2_AND_ASSOCIATED_RETT_SYNDROME		27	-0.41	-1.19	0.231	0.567	1	1616	tags=30%, list=16%,
473		REACTOME_TRANSCRIPTIONAL_ACTIVITY_OF_SMAD2_SMAD3_SMAD4_HETEROT		34	-0.39	-1.18	0.232	0.578	1	1626	tags=24%, list=16%,
476		MEISSNER_NPC_HCP_WITH_H3K4ME3_AND_H3K27ME3		35	-0.39	-1.18	0.234	0.58	1	2871	tags=43%, list=28%,
457		REACTOME_LDL_CLEARANCE		17	-0.45	-1.19	0.235	0.57	1	1465	tags=35%, list=15%,
554		REACTOME_DNA_REPLICATION		107	-0.32	-1.14	0.235	0.62	1	1799	tags=25%, list=18%,
455		REACTOME_ADHERENS_JUNCTIONS_INTERACTIONS		22	-0.43	-1.19	0.237	0.566	1	3645	tags=59%, list=36%,
546		REACTOME_TOLL_LIKE_RECEPTOR_CASCADES		111	-0.32	-1.14	0.237	0.615	1	2902	tags=36%, list=29%,
516		WP_IL_3_SIGNALING_PATHWAY		72	-0.34	-1.16	0.239	0.596	1	1367	tags=19%, list=14%,
577		MARKEY_RB1_ACUTE_LOF_UP		167	-0.3	-1.12	0.241	0.641	1	3006	tags=31%, list=30%,
470		REACTOME_HATS_ACETYLATE_HISTONES		32	-0.39	-1.19	0.243	0.57	1	1787	tags=31%, list=18%,
503		BREDEMEYER_RAG_SIGNALING_NOT_VIA_ATM_UP		44	-0.37	-1.17	0.243	0.59	1	2392	tags=30%, list=24%,
512		REACTOME_G1_S_DNA_DAMAGE_CHECKPOINTS		55	-0.36	-1.16	0.243	0.595	1	2710	tags=38%, list=27%,
494		REACTOME_E3_UBIQUITIN_LIGASES_UBIQUITINATE_TARGET_PROTEINS		35	-0.39	-1.17	0.244	0.588	1	3706	tags=43%, list=37%,
508		CHANGOLKAR_H2AFY_TARGETS_DN		40	-0.37	-1.16	0.244	0.596	1	3209	tags=45%, list=32%,
570		REACTOME_SIGNALING_BY_WNT		170	-0.3	-1.13	0.244	0.634	1	2710	tags=32%, list=27%,
520		MORI_MATURE_B_LYMPHOCYTE_UP		64	-0.34	-1.16	0.249	0.606	1	3806	tags=50%, list=38%,
527		REACTOME_COPI_MEDIATED_ANTEROGRADE_TRANSPORT		75	-0.34	-1.15	0.249	0.608	1	3715	tags=43%, list=37%,
467		WELCH_GATA1_TARGETS		16	-0.45	-1.19	0.25	0.57	1	3385	tags=56%, list=34%,
471		REACTOME_COLLAGEN_BIOSYNTHESIS_AND_MODIFYING_ENZYMES		27	-0.4	-1.18	0.251	0.579	1	1653	tags=37%, list=16%,
474		GROSS_ELK3_TARGETS_DN		21	-0.44	-1.18	0.251	0.578	1	3116	tags=48%, list=31%,
511		CHIARADONNA_NEOPLASTIC_TRANSFORMATION_KRAS_CDC25_UP		38	-0.37	-1.16	0.252	0.596	1	2654	tags=39%, list=26%,
579		GOTZMANN_EPITHELIAL_TO_MESENCHYMAL_TRANSITION_DN		163	-0.3	-1.12	0.252	0.643	1	3131	tags=36%, list=31%,
442		REACTOME_CONVERSION_FROM_APC_C_CDC20_TO_APC_C_CDH1_IN_LATE_ANA		17	-0.46	-1.2	0.253	0.55	1	1626	tags=35%, list=16%,
530		ICHIBA_GRAFT_VERSUS_HOST_DISEASE_D7_DN		41	-0.37	-1.15	0.253	0.608	1	928	tags=22%, list=9%, signal=24%
493		REACTOME_SIGNALING_BY_FGFR1		29	-0.4	-1.17	0.254	0.585	1	3997	tags=55%, list=40%,
504		WANG_TARGETS_OF_MLL_CBP_FUSION_DN		42	-0.37	-1.17	0.254	0.591	1	3563	tags=50%, list=35%,
548		WP_ADIPOGENESIS_GENES		84	-0.33	-1.14	0.254	0.614	1	1030	tags=21%, list=10%,
575		ZENG_GU_ICB_CONTROL_METAGENE_3_PRECICTIVE_ICB_RESPONSE		107	-0.31	-1.13	0.254	0.634	1	2662	tags=35%, list=26%,
492		REACTOME_PREDNISONE_ADME		15	-0.45	-1.17	0.255	0.585	1	3599	tags=47%, list=36%,
543		VANLOO_SP3_TARGETS_DN		66	-0.34	-1.15	0.256	0.606	1	1847	tags=26%, list=18%,
547		GAUSSMANN_MLL_AF4_FUSION_TARGETS_E_UP		51	-0.35	-1.14	0.257	0.615	1	3548	tags=51%, list=35%,
461		XU_CREBBP_TARGETS_UP		16	-0.46	-1.19	0.258	0.569	1	2778	tags=44%, list=28%,
466		BOYLAN_MULTIPLE_MYELOMA_C_CLUSTER_UP		27	-0.41	-1.19	0.258	0.571	1	996	tags=22%, list=10%,
585		REACTOME_TCF_DEPENDENT_SIGNALING_IN_RESPONSE_TO_WNT		122	-0.31	-1.12	0.258	0.649	1	2710	tags=34%, list=27%,
454		BIOCARTA_AT1R_PATHWAY		23	-0.42	-1.19	0.259	0.568	1	1213	tags=30%, list=12%,
538		GOLDRATH_IMMUNE_MEMORY		52	-0.36	-1.15	0.259	0.607	1	1136	tags=19%, list=11%,
480		BIOCARTA_FCER1_PATHWAY		29	-0.4	-1.18	0.261	0.582	1	2800	tags=45%, list=28%,
549		BURTON_ADIPOGENESIS_9		68	-0.34	-1.14	0.262	0.614	1	3004	tags=41%, list=30%,
566		RIZ_ERYTHROID_DIFFERENTIATION		57	-0.34	-1.13	0.262	0.63	1	1591	tags=25%, list=16%,
501		REACTOME_SIGNALING_BY_TYPE_1_INSULIN_LIKE_GROWTH_FACTOR_1_RECEPT OR_IGF1R		24	-0.41	-1.17	0.263	0.588	1	2726	tags=42%, list=27%, signal=57%
529		TERAO_AOX4_TARGETS_HG_UP		24	-0.41	-1.15	0.263	0.608	1	2722	tags=42%, list=27%,
563		GROSS_HYPOXIA_VIA_HIF1A_DN		77	-0.33	-1.13	0.263	0.631	1	3345	tags=39%, list=33%,
477		BIOCARTA_CXCR4_PATHWAY		18	-0.44	-1.18	0.265	0.582	1	783	tags=22%, list=8%, signal=24%
544		REACTOME_IRON_UPTAKE_AND_TRANSPORT		44	-0.36	-1.15	0.265	0.605	1	3445	tags=43%, list=34%,
510		REACTOME_INSULIN_RECEPTOR_RECYCLING		22	-0.42	-1.16	0.266	0.595	1	4704	tags=64%, list=47%,
479		BIOCARTA_MTOR_PATHWAY		19	-0.44	-1.18	0.267	0.583	1	3997	tags=58%, list=40%,
539		REACTOME_NUCLEAR_ENVELOPE_BREAKDOWN		41	-0.37	-1.15	0.267	0.606	1	1602	tags=24%, list=16%,
499		TERAO_AOX4_TARGETS_SKIN_DN		16	-0.45	-1.17	0.268	0.588	1	1311	tags=25%, list=13%,
533		REACTOME_NEGATIVE_REGULATION_OF_MAPK_PATHWAY		32	-0.39	-1.15	0.268	0.608	1	4651	tags=66%, list=46%,
534		IKEDA_MIR133_TARGETS_UP		41	-0.36	-1.15	0.268	0.609	1	5098	tags=66%, list=50%,
490		VILIMAS_NOTCH1_TARGETS_UP		15	-0.46	-1.18	0.269	0.579	1	2335	tags=47%, list=23%,
515		WP_P38_MAPK_SIGNALING_PATHWAY		28	-0.4	-1.16	0.269	0.596	1	2746	tags=43%, list=27%,
641		MATSUDA_NATURAL_KILLER_DIFFERENTIATION		321	-0.28	-1.08	0.269	0.692	1	2576	tags=28%, list=26%,
619		PASINI_SUZ12_TARGETS_DN		229	-0.29	-1.1	0.27	0.674	1	2707	tags=30%, list=27%,
491		REACTOME_GPER1_SIGNALING		15	-0.46	-1.17	0.271	0.582	1	1615	tags=33%, list=16%,
496		REACTOME_SIGNALING_BY_CSF3_G_CSF		18	-0.44	-1.17	0.271	0.589	1	2749	tags=39%, list=27%,
569		REACTOME_SIGNALING_BY_TGFB_FAMILY_MEMBERS		77	-0.33	-1.13	0.272	0.632	1	1635	tags=22%, list=16%,
553		REACTOME_IMMUNOREGULATORY_INTERACTIONS_BETWEEN_A_LYMPHOID_AND _A_NON_LYMPHOID_CELL		36	-0.37	-1.14	0.273	0.618	1	2520	tags=47%, list=25%, signal=63%
597		REACTOME_MITOTIC_METAPHASE_AND_ANAPHASE		170	-0.3	-1.11	0.273	0.657	1	2710	tags=32%, list=27%,
531		REACTOME_REGULATION_OF_TNFR1_SIGNALING		41	-0.37	-1.15	0.275	0.607	1	2563	tags=32%, list=25%,
622		NABA_MATRISOME_ASSOCIATED		230	-0.29	-1.09	0.275	0.681	1	3195	tags=42%, list=32%,
564		REACTOME_SIGNALING_BY_VEGF		77	-0.33	-1.13	0.277	0.63	1	2387	tags=31%, list=24%,
545		REACTOME_TRANSPORT_OF_INORGANIC_CATIONS_ANIONS_AND_AMINO_ACIDS_ OLIGOPEPTIDES		45	-0.36	-1.14	0.28	0.615	1	2012	tags=31%, list=20%, signal=39%
542		REACTOME_SIGNALING_BY_BMP		22	-0.42	-1.15	0.282	0.604	1	1635	tags=27%, list=16%,
595		REACTOME_METABOLISM_OF_WATER_SOLUBLE_VITAMINS_AND_COFACTORS		91	-0.32	-1.11	0.282	0.658	1	3163	tags=36%, list=31%,
603		STARK_PREFRONTAL_CORTEX_22Q11_DELETION_UP		139	-0.3	-1.11	0.282	0.66	1	2735	tags=34%, list=27%,
608		WANG_MLL_TARGETS		139	-0.3	-1.1	0.282	0.665	1	2288	tags=29%, list=23%,
506		RUAN_RESPONSE_TO_TROGLITAZONE_UP		18	-0.44	-1.16	0.283	0.596	1	135	tags=11%, list=1%, signal=11%
561		WP_NEURAL_CREST_DIFFERENTIATION		42	-0.36	-1.13	0.283	0.628	1	2707	tags=33%, list=27%,
610		FOSTER_KDM1A_TARGETS_DN		131	-0.3	-1.1	0.285	0.666	1	1934	tags=24%, list=19%,
524		WP_NUCLEAR_RECEPTORS_IN_LIPID_METABOLISM_AND_TOXICITY		24	-0.4	-1.15	0.286	0.609	1	3052	tags=42%, list=30%,
584		RAY_TUMORIGENESIS_BY_ERBB2_CDC25A_UP		93	-0.32	-1.12	0.286	0.649	1	1921	tags=26%, list=19%,
635		IVANOVA_HEMATOPOIESIS_MATURE_CELL		219	-0.29	-1.09	0.287	0.692	1	2363	tags=29%, list=23%,
522		REACTOME_NRAGE_SIGNALS_DEATH_THROUGH_JNK		29	-0.39	-1.15	0.288	0.607	1	3854	tags=59%, list=38%,
587		REACTOME_RHOA_GTPASE_CYCLE		90	-0.32	-1.12	0.288	0.654	1	3061	tags=39%, list=30%,
562		MILI_PSEUDOPODIA_CHEMOTAXIS_UP		71	-0.33	-1.13	0.29	0.63	1	3461	tags=45%, list=34%,
617		ZENG_GU_POST_ICB_METAGENE_41		156	-0.3	-1.1	0.29	0.672	1	3379	tags=39%, list=33%,
535		REACTOME_METHYLATION		15	-0.45	-1.15	0.291	0.609	1	2759	tags=33%, list=27%,
552		REACTOME_ASPIRIN_ADME		20	-0.42	-1.14	0.291	0.618	1	2442	tags=35%, list=24%,
526		REACTOME_INHIBITION_OF_THE_PROTEOLYTIC_ACTIVITY_OF_APC_C_REQUIRED _FOR_THE_ONSET_OF_ANAPHASE_BY_MITOTIC_SPINDLE_CHECKPOINT_COMPO		17	-0.44	-1.15	0.292	0.609	1	1626	tags=29%, list=16%, signal=35%
572		GALINDO_IMMUNE_RESPONSE_TO_ENTEROTOXIN		53	-0.34	-1.13	0.292	0.634	1	912	tags=21%, list=9%, signal=23%
669		REACTOME_SIGNALING_BY_RHO_GTPASES_MIRO_GTPASES_AND_RHOBTB3		428	-0.28	-1.07	0.292	0.712	1	2700	tags=32%, list=27%,
550		BIOCARTA_INTEGRIN_PATHWAY		27	-0.39	-1.14	0.294	0.613	1	3585	tags=48%, list=35%,
540		BERENJENO_TRANSFORMED_BY_RHOA_REVERSIBLY_DN		23	-0.41	-1.15	0.295	0.605	1	1937	tags=30%, list=19%,
519		NABA_MATRISOME_METASTATIC_LUNG_LYMPH_NODE_METASTASIS		19	-0.43	-1.16	0.296	0.603	1	1879	tags=53%, list=19%,
536		REACTOME_METABOLISM_OF_NITRIC_OXIDE_NOS3_ACTIVATION_AND_REGULATI		15	-0.45	-1.15	0.296	0.608	1	1208	tags=33%, list=12%,
565		REACTOME_REGULATION_OF_TLR_BY_ENDOGENOUS_LIGAND		15	-0.44	-1.13	0.296	0.63	1	1953	tags=47%, list=19%,
567		HU_GENOTOXIC_DAMAGE_24HR		29	-0.39	-1.13	0.296	0.629	1	2374	tags=24%, list=24%,
625		WP_MAPK_SIGNALING_PATHWAY		107	-0.3	-1.09	0.299	0.684	1	908	tags=14%, list=9%, signal=15%
581		BIOCARTA_IL2RB_PATHWAY		25	-0.39	-1.12	0.3	0.643	1	2579	tags=36%, list=26%,
541		REACTOME_CELL_EXTRACELLULAR_MATRIX_INTERACTIONS		17	-0.44	-1.15	0.304	0.604	1	2177	tags=35%, list=22%,
600		WP_COMPREHENSIVE_IL_17A_SIGNALING		74	-0.33	-1.11	0.304	0.657	1	1607	tags=26%, list=16%,
560		LEE_CALORIE_RESTRICTION_MUSCLE_UP		26	-0.4	-1.13	0.305	0.626	1	3356	tags=42%, list=33%,
580		WP_FIBRIN_COMPLEMENT_RECEPTOR_3_SIGNALING_PATHWAY		31	-0.38	-1.12	0.305	0.644	1	2102	tags=29%, list=21%,
556		SCHLINGEMANN_SKIN_CARCINOGENESIS_TPA_UP		26	-0.39	-1.14	0.306	0.621	1	3260	tags=38%, list=32%,
558		MIKKELSEN_MCV6_HCP_WITH_H3K27ME3		43	-0.36	-1.13	0.306	0.625	1	1605	tags=28%, list=16%,
573		BIOCARTA_GSK3_PATHWAY		19	-0.42	-1.13	0.31	0.633	1	579	tags=16%, list=6%, signal=17%
589		WP_APOPTOSIS		57	-0.34	-1.11	0.31	0.656	1	3270	tags=39%, list=32%,
616		WP_ENDOCHONDRAL_OSSIFICATION		36	-0.35	-1.1	0.31	0.67	1	1593	tags=28%, list=16%,
640		YAMAZAKI_TCEB3_TARGETS_DN		146	-0.29	-1.08	0.312	0.691	1	3341	tags=38%, list=33%,
592		WP_ESTROGEN_SIGNALING		64	-0.33	-1.11	0.314	0.659	1	1327	tags=17%, list=13%,
633		SHETH_LIVER_CANCER_VS_TXNIP_LOSS_PAM1		158	-0.29	-1.09	0.314	0.69	1	2080	tags=25%, list=21%,
598		WP_KIT_RECEPTOR_SIGNALING_PATHWAY		49	-0.34	-1.11	0.316	0.656	1	2735	tags=33%, list=27%,
571		REACTOME_RAF_INDEPENDENT_MAPK1_3_ACTIVATION		16	-0.43	-1.13	0.317	0.635	1	1583	tags=31%, list=16%,
594		LIAN_LIPA_TARGETS_6M		47	-0.35	-1.11	0.318	0.658	1	2737	tags=36%, list=27%,
586		REACTOME_PLASMA_LIPOPROTEIN_CLEARANCE		30	-0.37	-1.12	0.32	0.649	1	3126	tags=47%, list=31%,
590		BIOCARTA_IGF1_PATHWAY		19	-0.41	-1.11	0.321	0.661	1	2648	tags=42%, list=26%,
605		CHANGOLKAR_H2AFY_TARGETS_UP		43	-0.35	-1.11	0.322	0.66	1	3692	tags=44%, list=37%,
628		CHIARADONNA_NEOPLASTIC_TRANSFORMATION_KRAS_UP		94	-0.31	-1.09	0.322	0.691	1	1989	tags=22%, list=20%,
614		WP_SELENIUM_METABOLISM_SELENOPROTEINS		40	-0.35	-1.1	0.323	0.666	1	644	tags=15%, list=6%, signal=16%
631		WP_MYOMETRIAL_RELAXATION_AND_CONTRACTION_PATHWAYS		74	-0.32	-1.09	0.325	0.691	1	1817	tags=24%, list=18%,
613		REACTOME_SUMOYLATION_OF_CHROMATIN_ORGANIZATION_PROTEINS		42	-0.35	-1.1	0.326	0.667	1	2091	tags=26%, list=21%,
604		REACTOME_SIGNALING_BY_FGFR		48	-0.34	-1.11	0.328	0.661	1	3997	tags=50%, list=40%,
646		REACTOME_REGULATION_OF_TP53_ACTIVITY		117	-0.3	-1.08	0.328	0.694	1	3190	tags=38%, list=32%,
599		WP_DRAVET_SYNDROME_SCN1A_A1783V_POINT_MUTATION_MODEL		29	-0.38	-1.11	0.329	0.655	1	1596	tags=24%, list=16%,
578		KAMMINGA_SENESCENCE		26	-0.39	-1.12	0.331	0.64	1	2900	tags=35%, list=29%,
606		KAMIKUBO_MYELOID_CEBPA_NETWORK		22	-0.39	-1.11	0.332	0.663	1	1156	tags=23%, list=11%,
568		PAL_PRMT5_TARGETS_DN		16	-0.43	-1.13	0.333	0.629	1	1833	tags=38%, list=18%,
583		XU_CREBBP_TARGETS_DN		23	-0.4	-1.12	0.335	0.648	1	1612	tags=30%, list=16%,
620		BYSTRYKH_HEMATOPOIESIS_STEM_CELL_AND_BRAIN_QTL_CIS		63	-0.33	-1.1	0.336	0.676	1	2358	tags=33%, list=23%,
607		BILANGES_RAPAMYCIN_SENSITIVE_GENES		27	-0.38	-1.1	0.337	0.664	1	1882	tags=26%, list=19%,
639		REACTOME_RUNX1_REGULATES_TRANSCRIPTION_OF_GENES_INVOLVED_IN_DIFF ERENTIATION_OF_HSCS		58	-0.33	-1.08	0.338	0.691	1	2710	tags=36%, list=27%, signal=49%
621		REACTOME_CHAPERONIN_MEDIATED_PROTEIN_FOLDING		22	-0.39	-1.1	0.34	0.675	1	2928	tags=41%, list=29%,
655		REACTOME_INTRA_GOLGI_AND_RETROGRADE_GOLGI_TO_ER_TRAFFIC		133	-0.29	-1.07	0.34	0.708	1	3537	tags=41%, list=35%,
642		BRUNO_HEMATOPOIESIS		49	-0.33	-1.08	0.341	0.691	1	1345	tags=20%, list=13%,
601		BIOCARTA_TOLL_PATHWAY		21	-0.41	-1.11	0.342	0.657	1	3699	tags=52%, list=37%,
611		CAIRO_PML_TARGETS_BOUND_BY_MYC_UP		19	-0.41	-1.1	0.343	0.667	1	796	tags=16%, list=8%, signal=17%
637		HESS_TARGETS_OF_HOXA9_AND_MEIS1_DN		56	-0.33	-1.09	0.343	0.69	1	3433	tags=41%, list=34%,
647		WP_INSULIN_SIGNALING		114	-0.3	-1.08	0.343	0.694	1	2743	tags=33%, list=27%,
588		REACTOME_PHOSPHORYLATION_OF_THE_APC_C		17	-0.42	-1.11	0.346	0.657	1	1626	tags=35%, list=16%,
623		BIOCARTA_BCR_PATHWAY		23	-0.39	-1.09	0.346	0.681	1	625	tags=22%, list=6%, signal=23%
654		YAMAZAKI_TCEB3_TARGETS_UP		125	-0.29	-1.07	0.347	0.709	1	3409	tags=34%, list=34%,
615		LIM_MAMMARY_LUMINAL_PROGENITOR_UP		22	-0.39	-1.1	0.348	0.667	1	2182	tags=36%, list=22%,
630		RAMALHO_STEMNESS_DN		44	-0.34	-1.09	0.348	0.692	1	3505	tags=50%, list=35%,
629		GOBERT_CORE_OLIGODENDROCYTE_DIFFERENTIATION		24	-0.38	-1.09	0.349	0.69	1	3780	tags=50%, list=37%,
665		WP_CHEMOKINE_SIGNALING_PATHWAY		91	-0.3	-1.07	0.349	0.713	1	2652	tags=31%, list=26%,
686		ZHANG_BREAST_CANCER_PROGENITORS_UP		340	-0.27	-1.06	0.349	0.723	1	2502	tags=28%, list=25%,
612		REACTOME_MITOCHONDRIAL_CALCIUM_ION_TRANSPORT		16	-0.42	-1.1	0.35	0.668	1	4343	tags=56%, list=43%,
638		HOFFMANN_LARGE_TO_SMALL_PRE_BII_LYMPHOCYTE_DN		36	-0.35	-1.09	0.35	0.691	1	3368	tags=42%, list=33%,

618		BRACHAT_RESPONSE_TO_METHOTREXATE_UP		17	-0.42	-1.1	0.352	0.671	1	515	tags=18%, list=5%, signal=19%
636		RASHI_RESPONSE_TO_IONIZING_RADIATION_4		39	-0.36	-1.09	0.352	0.691	1	1937	tags=26%, list=19%,
627		GAVIN_FOXP3_TARGETS_CLUSTER_P4		57	-0.33	-1.09	0.353	0.69	1	3682	tags=49%, list=36%,
652		GOLDRATH_HOMEOSTATIC_PROLIFERATION		131	-0.3	-1.07	0.355	0.711	1	2590	tags=28%, list=26%,
703		GRAESSMANN_RESPONSE_TO_MC_AND_DOXORUBICIN_UP		417	-0.27	-1.05	0.356	0.733	1	2966	tags=32%, list=29%,
683		REACTOME_BIOLOGICAL_OXIDATIONS		144	-0.29	-1.06	0.36	0.721	1	2929	tags=32%, list=29%,
626		REACTOME_MTOR_SIGNALLING		36	-0.35	-1.09	0.362	0.686	1	2743	tags=36%, list=27%,
609		REACTOME_ERK_MAPK_TARGETS		15	-0.43	-1.1	0.364	0.665	1	4651	tags=80%, list=46%,
632		REACTOME_DDX58_IFIH1_MEDIATED_INDUCTION_OF_INTERFERON_ALPHA_BETA		28	-0.37	-1.09	0.364	0.69	1	3101	tags=43%, list=31%,
648		MORI_LARGE_PRE_BII_LYMPHOCYTE_UP		58	-0.33	-1.08	0.364	0.701	1	1591	tags=26%, list=16%,
644		REACTOME_MITOCHONDRIAL_BIOGENESIS		25	-0.38	-1.08	0.365	0.691	1	4131	tags=40%, list=41%,
657		MORI_SMALL_PRE_BII_LYMPHOCYTE_DN		63	-0.32	-1.07	0.365	0.714	1	3898	tags=56%, list=39%,
662		STEARMAN_LUNG_CANCER_EARLY_VS_LATE_UP		115	-0.3	-1.07	0.366	0.713	1	1807	tags=25%, list=18%,
653		REACTOME_MAP2K_AND_MAPK_ACTIVATION		30	-0.36	-1.07	0.367	0.71	1	3636	tags=43%, list=36%,
656		GUILLAUMOND_KLF10_TARGETS_DN		30	-0.36	-1.07	0.367	0.71	1	2195	tags=33%, list=22%,
682		BRUINS_UVC_RESPONSE_EARLY_LATE		228	-0.28	-1.06	0.367	0.722	1	3273	tags=36%, list=32%,
710		MONNIER_POSTRADIATION_TUMOR_ESCAPE_UP		329	-0.27	-1.04	0.367	0.737	1	2701	tags=28%, list=27%,
650		NABA_SECRETED_FACTORS		72	-0.32	-1.08	0.368	0.7	1	2621	tags=36%, list=26%,
664		LEIN_CHOROID_PLEXUS_MARKERS		60	-0.32	-1.07	0.368	0.712	1	600	tags=12%, list=6%, signal=12%
680		REACTOME_G2_M_CHECKPOINTS		108	-0.29	-1.06	0.368	0.718	1	2710	tags=31%, list=27%,
684		WP_AMINO_ACID_METABOLISM		82	-0.3	-1.06	0.369	0.721	1	3589	tags=39%, list=36%,
634		HEVNER_CORTEX_BASAL_INTERMEDIATE_PROGENITOR_CELLS		32	-0.37	-1.09	0.37	0.69	1	2006	tags=28%, list=20%,
645		WORSCHECH_TUMOR_EVASION_AND_TOLEROGENICITY_UP		15	-0.42	-1.08	0.37	0.692	1	1458	tags=40%, list=14%,
666		GOTZMANN_EPITHELIAL_TO_MESENCHYMAL_TRANSITION_UP		47	-0.34	-1.07	0.37	0.713	1	2707	tags=45%, list=27%,
674		MCBRYAN_PUBERTAL_BREAST_4_5WK_DN		151	-0.29	-1.06	0.37	0.715	1	1800	tags=21%, list=18%,
679		INGRAM_SHH_TARGETS_DN		37	-0.34	-1.06	0.371	0.717	1	1721	tags=30%, list=17%,
661		REACTOME_RHOB_GTPASE_CYCLE		45	-0.33	-1.07	0.372	0.713	1	2553	tags=38%, list=25%,
663		REACTOME_GLYOXYLATE_METABOLISM_AND_GLYCINE_DEGRADATION		28	-0.36	-1.07	0.373	0.713	1	5881	tags=79%, list=58%,
643		MORI_IMMATURE_B_LYMPHOCYTE_UP		35	-0.35	-1.08	0.374	0.69	1	2335	tags=37%, list=23%,
649		MARTIN_NFKB_TARGETS_UP		28	-0.37	-1.08	0.374	0.7	1	2262	tags=36%, list=22%,
651		REACTOME_SEALING_OF_THE_NUCLEAR_ENVELOPE_NE_BY_ESCRT_III		18	-0.41	-1.07	0.381	0.712	1	3336	tags=50%, list=33%,
673		REACTOME_G_ALPHA_12_13_SIGNALLING_EVENTS		40	-0.34	-1.06	0.381	0.716	1	2654	tags=33%, list=26%,
689		REACTOME_PHASE_II_CONJUGATION_OF_COMPOUNDS		75	-0.31	-1.06	0.382	0.728	1	2759	tags=28%, list=27%,
670		REACTOME_TNFR1_INDUCED_PROAPOPTOTIC_SIGNALING		19	-0.4	-1.07	0.386	0.711	1	2563	tags=42%, list=25%,
685		WP_MAPK_CASCADE		22	-0.38	-1.06	0.386	0.721	1	625	tags=18%, list=6%, signal=19%
672		BIOCARTA_PYK2_PATHWAY		24	-0.38	-1.07	0.387	0.715	1	1213	tags=25%, list=12%,
658		REACTOME_RND3_GTPASE_CYCLE		29	-0.36	-1.07	0.388	0.714	1	3410	tags=48%, list=34%,
678		LIU_OVARIAN_CANCER_TUMORS_AND_XENOGRAFTS_XDGS_UP		21	-0.39	-1.06	0.388	0.718	1	3103	tags=38%, list=31%,
659		VANASSE_BCL2_TARGETS_DN		34	-0.35	-1.07	0.389	0.713	1	2782	tags=32%, list=28%,
681		REACTOME_MYD88_MAL_TIRAP_CASCADE_INITIATED_ON_PLASMA_MEMBRANE		66	-0.31	-1.06	0.391	0.721	1	3724	tags=45%, list=37%,
696		IWANAGA_CARCINOGENESIS_BY_KRAS_PTEN_UP		121	-0.29	-1.05	0.391	0.728	1	2994	tags=33%, list=30%,
698		WP_SPINAL_CORD_INJURY		48	-0.32	-1.05	0.391	0.729	1	4051	tags=50%, list=40%,
692		REACTOME_RESPONSE_TO_ELEVATED_PLATELET_CYTOSOLIC_CA2		93	-0.3	-1.05	0.392	0.727	1	3028	tags=39%, list=30%,
702		WP_MICRORNAS_IN_CARDIOMYOCYTE_HYPERTROPHY		58	-0.31	-1.05	0.393	0.731	1	2800	tags=33%, list=28%,
675		SHETH_LIVER_CANCER_VS_TXNIP_LOSS_PAM6		33	-0.35	-1.06	0.396	0.715	1	2654	tags=39%, list=26%,
690		MODY_HIPPOCAMPUS_PRENATAL		39	-0.34	-1.06	0.396	0.727	1	4290	tags=49%, list=42%,
701		REACTOME_SIGNALING_BY_TGF_BETA_RECEPTOR_COMPLEX		61	-0.31	-1.05	0.396	0.73	1	1626	tags=21%, list=16%,
671		BIOCARTA_HCMV_PATHWAY		16	-0.42	-1.07	0.398	0.716	1	644	tags=19%, list=6%, signal=20%
695		KASLER_HDAC7_TARGETS_1_UP		125	-0.29	-1.05	0.399	0.728	1	2729	tags=34%, list=27%,
668		LIAN_NEUTROPHIL_GRANULE_CONSTITUENTS		16	-0.41	-1.07	0.401	0.713	1	3581	tags=50%, list=35%,
706		GAUSSMANN_MLL_AF4_FUSION_TARGETS_G_UP		116	-0.29	-1.05	0.401	0.739	1	2262	tags=27%, list=22%,
708		MATZUK_SPERMATOZOA		53	-0.31	-1.04	0.403	0.738	1	3832	tags=53%, list=38%,
700		BOYLAN_MULTIPLE_MYELOMA_PCA3_DN		46	-0.33	-1.05	0.404	0.731	1	4274	tags=52%, list=42%,
713		REACTOME_COPII_MEDIATED_VESICLE_TRANSPORT		58	-0.31	-1.04	0.405	0.736	1	4091	tags=50%, list=41%,
667		REACTOME_XENOBIOTICS		16	-0.41	-1.07	0.406	0.712	1	1658	tags=31%, list=16%,
676		REACTOME_SIALIC_ACID_METABOLISM		16	-0.41	-1.06	0.407	0.718	1	3595	tags=56%, list=36%,
677		BIOCARTA_NFKB_PATHWAY		18	-0.39	-1.06	0.408	0.718	1	3180	tags=44%, list=31%,
694		REACTOME_DISASSEMBLY_OF_THE_DESTRUCTION_COMPLEX_AND_RECRUITMENT_OF_AXIN_TO_THE_MEMBRANE		22	-0.38	-1.05	0.408	0.729	1	4557	tags=59%, list=45%, signal=107%
717		BRACHAT_RESPONSE_TO_CAMPTOTHECIN_DN		37	-0.34	-1.04	0.408	0.735	1	2177	tags=27%, list=22%,
688		REACTOME_SIGNALING_BY_FGFR3		25	-0.37	-1.06	0.41	0.728	1	3997	tags=52%, list=40%,
697		RIZ_ERYTHROID_DIFFERENTIATION_CCNE1		32	-0.36	-1.05	0.411	0.728	1	2245	tags=38%, list=22%,
712		REACTOME_AGGREPHAGY		22	-0.37	-1.04	0.411	0.735	1	2728	tags=36%, list=27%,
724		REACTOME_RHO_GTPASE_EFFECTORS		160	-0.28	-1.04	0.411	0.739	1	2655	tags=33%, list=26%,
727		HOLLERN_EMT_BREAST_TUMOR_DN		65	-0.31	-1.04	0.412	0.741	1	1235	tags=20%, list=12%,
687		REACTOME_RECYCLING_PATHWAY_OF_L1		22	-0.38	-1.06	0.414	0.729	1	1389	tags=27%, list=14%,
726		MCBRYAN_PUBERTAL_BREAST_6_7WK_UP		158	-0.28	-1.04	0.414	0.742	1	3241	tags=37%, list=32%,
699		BYSTRYKH_HEMATOPOIESIS_STEM_CELL_QTL_CIS		108	-0.3	-1.05	0.415	0.732	1	2358	tags=25%, list=23%,
721		BIOCARTA_IGF1MTOR_PATHWAY		18	-0.39	-1.04	0.417	0.741	1	2004	tags=28%, list=20%,
714		REACTOME_O_LINKED_GLYCOSYLATION		32	-0.34	-1.04	0.418	0.735	1	2393	tags=34%, list=24%,
716		FOSTER_TOLERANT_MACROPHAGE_UP		110	-0.29	-1.04	0.418	0.736	1	1379	tags=19%, list=14%,
691		JEPSEN_SMRT_TARGETS		21	-0.38	-1.05	0.419	0.726	1	3522	tags=57%, list=35%,
705		WP_SIDS_SUSCEPTIBILITY_PATHWAYS		22	-0.37	-1.05	0.419	0.74	1	4403	tags=64%, list=44%,
739		REACTOME_RMTS_METHYLATE_HISTONE_ARGININES		29	-0.35	-1.03	0.42	0.754	1	1284	tags=21%, list=13%,
693		LIANG_HEMATOPOIESIS_STEM_CELL_NUMBER_LARGE_VS_TINY_UP		26	-0.36	-1.05	0.421	0.728	1	1891	tags=31%, list=19%,
707		WP_FOLIC_ACID_NETWORK		17	-0.4	-1.04	0.422	0.738	1	4256	tags=59%, list=42%,
729		MCCLUNG_CREB1_TARGETS_UP		57	-0.31	-1.04	0.423	0.741	1	2445	tags=28%, list=24%,
720		LEIN_OLIGODENDROCYTE_MARKERS		43	-0.33	-1.04	0.425	0.737	1	2883	tags=47%, list=29%,
740		GAUSSMANN_MLL_AF4_FUSION_TARGETS_A_UP		132	-0.28	-1.03	0.425	0.754	1	3037	tags=33%, list=30%,
734		BIOCARTA_WNT_PATHWAY		19	-0.37	-1.03	0.426	0.746	1	1530	tags=21%, list=15%,
711		WP_OVARIAN_INFERTILITY		15	-0.41	-1.04	0.427	0.736	1	2444	tags=47%, list=24%,
723		REACTOME_APC_CDC20_MEDIATED_DEGRADATION_OF_NEK2A		21	-0.38	-1.04	0.427	0.74	1	1626	tags=24%, list=16%,
756		LEE_CALORIE_RESTRICTION_NEOCORTEX_DN		46	-0.32	-1.02	0.427	0.764	1	1390	tags=20%, list=14%,
743		LANG_MYB_FAMILY_TARGETS		26	-0.36	-1.03	0.428	0.756	1	3014	tags=38%, list=30%,
704		REACTOME_SIGNALING_BY_FGFR4		26	-0.36	-1.05	0.429	0.736	1	3997	tags=50%, list=40%,
741		REACTOME_REGULATION_OF_APC_C_ACTIVATORS_BETWEEN_G1_S_AND_EARLY_ANAPHASE		28	-0.35	-1.03	0.429	0.753	1	1626	tags=25%, list=16%, signal=30%
731		REACTOME_RHOV_GTPASE_CYCLE		27	-0.35	-1.03	0.43	0.743	1	779	tags=19%, list=8%, signal=20%
736		REACTOME_EPIGENETIC_REGULATION_OF_GENE_EXPRESSION		78	-0.29	-1.03	0.43	0.752	1	4010	tags=49%, list=40%,
732		REACTOME_EXTRA_NUCLEAR_ESTROGEN_SIGNALING		41	-0.33	-1.03	0.431	0.746	1	1547	tags=27%, list=15%,
728		BIOCARTA_CTCF_PATHWAY		17	-0.4	-1.04	0.433	0.741	1	817	tags=24%, list=8%, signal=26%
730		BIOCARTA_MTA3_PATHWAY		15	-0.4	-1.04	0.433	0.742	1	3336	tags=47%, list=33%,
733		BANG_VERTEPORFIN_ENDOMETRIAL_CANCER_CELLS_UP		16	-0.4	-1.03	0.433	0.747	1	4734	tags=81%, list=47%,
722		MIKKELSEN_ES_LCP_WITH_H3K4ME3		48	-0.32	-1.04	0.435	0.74	1	1465	tags=25%, list=15%,
715		BIOCARTA_NTHI_PATHWAY		19	-0.39	-1.04	0.436	0.736	1	4488	tags=63%, list=44%,
746		JECHLINGER_EPITHELIAL_TO_MESENCHYMAL_TRANSITION_DN		45	-0.32	-1.02	0.438	0.757	1	2459	tags=33%, list=24%,
757		REACTOME_CHOLESTEROL_BIOSYNTHESIS		25	-0.35	-1.02	0.438	0.763	1	3663	tags=52%, list=36%,
751		MARTORIATI_MDM4_TARGETS_NEUROEPITHELIUM_UP		112	-0.28	-1.02	0.441	0.76	1	4096	tags=47%, list=41%,
758		MORI_SMALL_PRE_BII_LYMPHOCYTE_UP		49	-0.31	-1.02	0.441	0.763	1	2823	tags=31%, list=28%,
744		REACTOME_VASOPRESSIN_REGULATES_RENAL_WATER_HOMEOSTASIS_VIA_AQUAPORINS		16	-0.39	-1.03	0.444	0.755	1	466	tags=13%, list=5%, signal=13%
748		REACTOME_PHASE_I_FUNCTIONALIZATION_OF_COMPOUNDS		67	-0.3	-1.02	0.444	0.756	1	1835	tags=27%, list=18%,
725		MILI_PSEUDOPODIA		40	-0.34	-1.04	0.446	0.742	1	3458	tags=48%, list=34%,
749		REACTOME_RNA_POLYMERASE_I_TRANSCRIPTION_TERMINATION		26	-0.35	-1.02	0.446	0.756	1	1002	tags=23%, list=10%,
754		BIOCARTA_ARENRF2_PATHWAY		19	-0.38	-1.02	0.446	0.764	1	3809	tags=63%, list=38%,
737		ZENG_GU_ICB_CONTROL_METAGENE_21_PRECICTIVE_ICB_RESISTANCE		128	-0.28	-1.03	0.447	0.752	1	1682	tags=18%, list=17%,
738		WP_FAS_PATHWAY_AND_STRESS_INDUCTION_OF_HSP_REGULATION		28	-0.35	-1.03	0.447	0.754	1	625	tags=14%, list=6%, signal=15%
750		REACTOME_NEUROTRANSMITTER_RECEPTORS_AND_POSTSYNAPTIC_SIGNAL_TRANSMISSION		43	-0.32	-1.02	0.447	0.757	1	1561	tags=21%, list=15%, signal=25%
764		WP_GLYCOLYSIS_AND_GLUCONEOGENESIS		31	-0.35	-1.02	0.447	0.765	1	4130	tags=48%, list=41%,
768		MCBRYAN_PUBERTAL_BREAST_5_6WK_UP		93	-0.29	-1.01	0.447	0.767	1	1769	tags=27%, list=18%,
747		REACTOME_DETOXIFICATION_OF_REACTIVE_OXYGEN_SPECIES		28	-0.35	-1.02	0.449	0.757	1	4222	tags=50%, list=42%,
718		ABBUD_LIF_SIGNALING_1_DN		20	-0.38	-1.04	0.45	0.737	1	2347	tags=35%, list=23%,
765		SWEET_LUNG_CANCER_KRAS_DN		271	-0.27	-1.02	0.45	0.765	1	1991	tags=22%, list=20%,
742		REACTOME_KINESINS		20	-0.37	-1.03	0.451	0.753	1	3457	tags=50%, list=34%,
755		REACTOME_VEGFR2_MEDIATED_VASCULAR_PERMEABILITY		23	-0.37	-1.02	0.451	0.764	1	1596	tags=35%, list=16%,
753		REACTOME_COPI_INDEPENDENT_GOLGI_TO_ER_RETROGRADE_TRAFFIC		34	-0.33	-1.02	0.452	0.764	1	3801	tags=50%, list=38%,
745		DELASERNA_MYOD_TARGETS_DN		40	-0.33	-1.03	0.455	0.756	1	1980	tags=25%, list=20%,
769		GERHOLD_ADIPOGENESIS_DN		53	-0.31	-1.01	0.459	0.769	1	1473	tags=19%, list=15%,
793		WP_OXIDATIVE_STRESS_RESPONSE		24	-0.35	-1	0.459	0.775	1	4403	tags=54%, list=44%,
770		BERENJENO_TRANSFORMED_BY_RHOA_DN		330	-0.26	-1.01	0.461	0.77	1	3027	tags=34%, list=30%,
761		MCCLUNG_DELTA_FOSB_TARGETS_8WK		30	-0.34	-1.02	0.462	0.767	1	3089	tags=50%, list=31%,
752		REACTOME_APC_C_CDC20_MEDIATED_DEGRADATION_OF_CYCLIN_B		21	-0.38	-1.02	0.463	0.763	1	1626	tags=29%, list=16%,
762		REACTOME_AQUAPORIN_MEDIATED_TRANSPORT		19	-0.38	-1.02	0.463	0.766	1	810	tags=16%, list=8%, signal=17%
771		REACTOME_ION_CHANNEL_TRANSPORT		72	-0.3	-1.01	0.464	0.769	1	2191	tags=22%, list=22%,
786		REACTOME_INOSITOL_PHOSPHATE_METABOLISM		30	-0.33	-1	0.464	0.778	1	1499	tags=27%, list=15%,
735		REACTOME_ACTIVATION_OF_KAINATE_RECEPTORS_UPON_GLUTAMATE_BINDIN		16	-0.4	-1.03	0.465	0.748	1	51	tags=13%, list=1%, signal=13%
775		REACTOME_TOLL_LIKE_RECEPTOR_4_TLR4_CASCADE		88	-0.29	-1.01	0.466	0.77	1	3724	tags=43%, list=37%,
799		HOFFMANN_IMMATURE_TO_MATURE_B_LYMPHOCYTE_DN		34	-0.33	-1	0.467	0.777	1	3429	tags=41%, list=34%,
759		PASQUALUCCI_LYMPHOMA_BY_GC_STAGE_DN		108	-0.28	-1.02	0.468	0.765	1	2827	tags=29%, list=28%,
783		REACTOME_RHOG_GTPASE_CYCLE		56	-0.31	-1.01	0.468	0.774	1	3693	tags=48%, list=37%,
763		MIKKELSEN_IPS_LCP_WITH_H3K4ME3		64	-0.3	-1.02	0.47	0.766	1	1465	tags=22%, list=15%,
772		IRITANI_MAD1_TARGETS_DN		42	-0.32	-1.01	0.47	0.769	1	1864	tags=19%, list=18%,
760		WP_P53_SIGNALING		45	-0.32	-1.02	0.471	0.765	1	1944	tags=24%, list=19%,
781		WP_WNT_SIGNALING_PATHWAY_WP403		32	-0.33	-1.01	0.471	0.774	1	908	tags=19%, list=9%, signal=21%
774		BROWN_MYELOID_CELL_DEVELOPMENT_DN		96	-0.28	-1.01	0.472	0.771	1	1147	tags=15%, list=11%,
778		REACTOME_ROS_AND_RNS_PRODUCTION_IN_PHAGOCYTES		22	-0.37	-1.01	0.472	0.775	1	3023	tags=36%, list=30%,
767		BIOCARTA_STRESS_PATHWAY		21	-0.37	-1.01	0.473	0.768	1	4697	tags=67%, list=47%,
790		WP_G1_TO_S_CELL_CYCLE_CONTROL		43	-0.32	-1	0.473	0.776	1	1944	tags=26%, list=19%,
789		REACTOME_SYNTHESIS_OF_PIPS_AT_THE_PLASMA_MEMBRANE		31	-0.34	-1	0.475	0.777	1	2241	tags=29%, list=22%,
766		REACTOME_NUCLEAR_EVENTS_KINASE_AND_TRANSCRIPTION_FACTOR_ACTIVAT		20	-0.38	-1.01	0.476	0.765	1	4697	tags=75%, list=47%,
779		KONG_E2F3_TARGETS		44	-0.32	-1.01	0.476	0.775	1	796	tags=11%, list=8%, signal=12%
782		JECHLINGER_EPITHELIAL_TO_MESENCHYMAL_TRANSITION_UP		47	-0.31	-1.01	0.479	0.773	1	3120	tags=45%, list=31%,
773		BIOCARTA_BIOPEPTIDES_PATHWAY		27	-0.34	-1.01	0.48	0.769	1	3585	tags=52%, list=35%,
777		HEVNER_TELENCEPHALON_MICROGLIA		18	-0.38	-1.01	0.48	0.775	1	328	tags=17%, list=3%, signal=17%
795		REACTOME_RHOF_GTPASE_CYCLE		29	-0.33	-1	0.48	0.776	1	1461	tags=31%, list=14%,
780		WP_WNT_SIGNALING_PATHWAY_WP539		68	-0.3	-1.01	0.481	0.774	1	1556	tags=22%, list=15%,
785		LIANG_HEMATOPOIESIS_STEM_CELL_NUMBER_LARGE_VS_TINY_DN		28	-0.34	-1	0.481	0.776	1	971	tags=21%, list=10%,
810		HU_GENOTOXIN_ACTION_DIRECT_VS_INDIRECT_24HR		37	-0.32	-0.99	0.481	0.779	1	3526	tags=38%, list=35%,
791		SARTIPY_NORMAL_AT_INSULIN_RESISTANCE_DN		15	-0.39	-1	0.483	0.775	1	3225	tags=53%, list=32%,
798		BIOCARTA_RAS_PATHWAY		17	-0.38	-1	0.483	0.776	1	471	tags=12%, list=5%, signal=12%
815		WP_EPO_RECEPTOR_SIGNALING		20	-0.36	-0.99	0.483	0.778	1	2597	tags=35%, list=26%,
784		LIM_MAMMARY_LUMINAL_MATURE_DN		63	-0.29	-1	0.484	0.775	1	1000	tags=17%, list=10%,
801		REACTOME_TNF_SIGNALING		50	-0.3	-1	0.485	0.776	1	2563	tags=28%, list=25%,
800		REACTOME_CELL_CYCLE_CHECKPOINTS		187	-0.26	-1	0.486	0.776	1	2710	tags=31%, list=27%,
811		BOYLAN_MULTIPLE_MYELOMA_D_UP		62	-0.3	-0.99	0.486	0.778	1	1717	tags=24%, list=17%,
776		CHYLA_CBFA2T3_TARGETS_UP		214	-0.27	-1.01	0.487	0.775	1	3402	tags=36%, list=34%,
796		REACTOME_NEUTROPHIL_DEGRANULATION		336	-0.26	-1	0.487	0.775	1	2869	tags=31%, list=28%,
788		COATES_MACROPHAGE_M1_VS_M2_DN		61	-0.3	-1	0.488	0.777	1	1652	tags=21%, list=16%,
817		UEDA_CENTRAL_CLOCK		74	-0.29	-0.99	0.488	0.779	1	1301	tags=16%, list=13%,
787		AFFAR_YY1_TARGETS_UP		88	-0.29	-1	0.489	0.777	1	3119	tags=38%, list=31%,
816		REACTOME_GLUCONEOGENESIS		24	-0.35	-0.99	0.489	0.778	1	4096	tags=50%, list=41%,
819		WP_TRYPTOPHAN_METABOLISM		33	-0.33	-0.99	0.49	0.783	1	1001	tags=15%, list=10%,
794		PIONTEK_PKD1_TARGETS_UP		34	-0.33	-1	0.491	0.776	1	2915	tags=41%, list=29%,
806		VIETOR_IFRD1_TARGETS		19	-0.37	-1	0.494	0.775	1	2814	tags=37%, list=28%,
831		REACTOME_RIPK1_MEDIATED_REGULATED_NECROSIS		26	-0.34	-0.98	0.496	0.79	1	3270	tags=38%, list=32%,
807		DARWICHE_PAPILLOMA_RISK_LOW_DN		105	-0.28	-1	0.497	0.774	1	2064	tags=25%, list=20%,
830		LIANG_HEMATOPOIESIS_STEM_CELL_NUMBER_SMALL_VS_HUGE_DN		23	-0.35	-0.98	0.497	0.791	1	1891	tags=26%, list=19%,
826		WENG_POR_TARGETS_LIVER_DN		22	-0.35	-0.98	0.499	0.786	1	1264	tags=18%, list=13%,
829		REACTOME_RAS_PROCESSING		18	-0.37	-0.98	0.499	0.791	1	1300	tags=22%, list=13%,
818		REACTOME_RAB_GEFS_EXCHANGE_GTP_FOR_GDP_ON_RABS		69	-0.29	-0.99	0.5	0.779	1	1324	tags=19%, list=13%,
812		WP_G_PROTEIN_SIGNALING_PATHWAYS		49	-0.31	-0.99	0.501	0.781	1	807	tags=14%, list=8%, signal=15%
802		VARELA_ZMPSTE24_TARGETS_UP		34	-0.33	-1	0.502	0.777	1	1769	tags=29%, list=18%,
804		HOFFMANN_LARGE_TO_SMALL_PRE_BII_LYMPHOCYTE_UP		88	-0.28	-1	0.502	0.777	1	1799	tags=20%, list=18%,
803		DELACROIX_RAR_BOUND_ES		281	-0.26	-1	0.503	0.777	1	1890	tags=22%, list=19%,
825		REACTOME_NEUROTRANSMITTER_RELEASE_CYCLE		21	-0.36	-0.99	0.505	0.787	1	2389	tags=33%, list=24%,
792		HEVNER_CORTEX_RADIAL_GLIA_PROGENITORS		255	-0.26	-1	0.506	0.775	1	2163	tags=22%, list=21%,
836		MIKKELSEN_MEF_HCP_WITH_H3K27ME3		64	-0.29	-0.98	0.508	0.79	1	3096	tags=38%, list=31%,
851		REACTOME_ACTIVATION_OF_THE_PRE_REPLICATIVE_COMPLEX		24	-0.35	-0.97	0.509	0.796	1	1799	tags=29%, list=18%,
820		WP_EUKARYOTIC_TRANSCRIPTION_INITIATION		38	-0.32	-0.99	0.51	0.786	1	1327	tags=18%, list=13%,
809		REACTOME_GOLGI_TO_ER_RETROGRADE_TRANSPORT		85	-0.28	-0.99	0.511	0.779	1	4065	tags=47%, list=40%,
839		REACTOME_PLASMA_LIPOPROTEIN_REMODELING		25	-0.34	-0.98	0.511	0.795	1	1574	tags=24%, list=16%,
822		BURTON_ADIPOGENESIS_PEAK_AT_16HR		29	-0.34	-0.99	0.512	0.785	1	2794	tags=38%, list=28%,
824		REACTOME_TOLL_LIKE_RECEPTOR_9_TLR9_CASCADE		72	-0.29	-0.99	0.512	0.785	1	3724	tags=44%, list=37%,
797		REACTOME_RHO_GTPASE_CYCLE		297	-0.26	-1	0.513	0.776	1	3377	tags=37%, list=33%,
805		REACTOME_TRANSCRIPTIONAL_REGULATION_BY_TP53		239	-0.26	-1	0.513	0.776	1	3914	tags=43%, list=39%,
827		SANSOM_APC_TARGETS_UP		86	-0.28	-0.98	0.513	0.786	1	2761	tags=34%, list=27%,
813		REACTOME_GLUCAGON_LIKE_PEPTIDE_1_GLP1_REGULATES_INSULIN_SECRETIO		15	-0.39	-0.99	0.514	0.78	1	1247	tags=20%, list=12%,
828		REACTOME_RETROGRADE_TRANSPORT_AT_THE_TRANS_GOLGI_NETWORK		41	-0.32	-0.98	0.514	0.79	1	4070	tags=51%, list=40%,
832		REACTOME_TBC_RABGAPS		26	-0.34	-0.98	0.515	0.79	1	3914	tags=58%, list=39%,
823		IVANOVA_HEMATOPOIESIS_INTERMEDIATE_PROGENITOR		110	-0.28	-0.99	0.516	0.785	1	3305	tags=35%, list=33%,
834		BIOCARTA_CHEMICAL_PATHWAY		17	-0.38	-0.98	0.516	0.79	1	573	tags=18%, list=6%, signal=19%
837		REACTOME_MYD88_INDEPENDENT_TLR4_CASCADE		79	-0.28	-0.98	0.516	0.79	1	3724	tags=44%, list=37%,
838		REACTOME_RAF_ACTIVATION		29	-0.33	-0.98	0.516	0.79	1	4557	tags=62%, list=45%,
840		WOTTON_RUNX_TARGETS_DN		17	-0.38	-0.98	0.518	0.794	1	978	tags=18%, list=10%,
848		REACTOME_NUCLEAR_ENVELOPE_NE_REASSEMBLY		52	-0.3	-0.97	0.521	0.796	1	999	tags=17%, list=10%,
821		REACTOME_ESR_MEDIATED_SIGNALING		85	-0.28	-0.99	0.522	0.785	1	1573	tags=21%, list=16%,
875		REACTOME_MITOTIC_PROPHASE		64	-0.28	-0.96	0.522	0.801	1	5211	tags=63%, list=52%,
814		REACTOME_RAB_REGULATION_OF_TRAFFICKING		88	-0.28	-0.99	0.523	0.779	1	4546	tags=58%, list=45%,
845		REACTOME_FORMATION_OF_ATP_BY_CHEMIOSMOTIC_COUPLING		15	-0.38	-0.97	0.524	0.794	1	5948	tags=73%, list=59%,
833		PASINI_SUZ12_TARGETS_UP		50	-0.3	-0.98	0.525	0.789	1	1864	tags=28%, list=18%,
841		MORI_PRE_BI_LYMPHOCYTE_UP		50	-0.3	-0.98	0.527	0.794	1	1828	tags=22%, list=18%,
867		BOYLAN_MULTIPLE_MYELOMA_D_CLUSTER_UP		18	-0.36	-0.96	0.528	0.801	1	1717	tags=28%, list=17%,
869		REACTOME_SENESCENCE_ASSOCIATED_SECRETORY_PHENOTYPE_SASP		32	-0.32	-0.96	0.528	0.8	1	1944	tags=28%, list=19%,
862		SEKI_INFLAMMATORY_RESPONSE_LPS_DN		16	-0.37	-0.96	0.529	0.804	1	2135	tags=25%, list=21%,
852		REACTOME_COPI_DEPENDENT_GOLGI_TO_ER_RETROGRADE_TRAFFIC		58	-0.29	-0.97	0.53	0.796	1	3537	tags=41%, list=35%,
872		REACTOME_REGULATED_NECROSIS		41	-0.31	-0.96	0.53	0.802	1	3270	tags=39%, list=32%,
849		LEE_CALORIE_RESTRICTION_MUSCLE_DN		37	-0.32	-0.97	0.532	0.795	1	4473	tags=59%, list=44%,
844		YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_14		125	-0.27	-0.98	0.533	0.794	1	2139	tags=27%, list=21%,
847		REACTOME_OVARIAN_TUMOR_DOMAIN_PROTEASES		25	-0.35	-0.97	0.533	0.794	1	2525	tags=28%, list=25%,
870		REACTOME_FCERI_MEDIATED_CA_2_MOBILIZATION		16	-0.37	-0.96	0.533	0.8	1	2800	tags=50%, list=28%,
843		REACTOME_G_ALPHA_I_SIGNALLING_EVENTS		74	-0.28	-0.98	0.534	0.795	1	2540	tags=30%, list=25%,
885		REACTOME_OXIDATIVE_STRESS_INDUCED_SENESCENCE		29	-0.32	-0.95	0.536	0.813	1	4329	tags=55%, list=43%,
866		REACTOME_FCGAMMA_RECEPTOR_FCGR_DEPENDENT_PHAGOCYTOSIS		56	-0.29	-0.96	0.54	0.802	1	2478	tags=32%, list=25%,
892		WP_NOVEL_JUN_DMP1_PATHWAY		21	-0.35	-0.95	0.541	0.814	1	625	tags=14%, list=6%, signal=15%
854		WP_ERBB_SIGNALING_PATHWAY		29	-0.33	-0.97	0.542	0.802	1	2416	tags=38%, list=24%,
884		MIKKELSEN_MEF_ICP_WITH_H3K27ME3		30	-0.32	-0.95	0.542	0.814	1	1975	tags=30%, list=20%,
880		REACTOME_SIGNALING_BY_ROBO_RECEPTORS		15	-0.38	-0.96	0.544	0.804	1	2172	tags=33%, list=22%,
871		SERVITJA_ISLET_HNF1A_TARGETS_DN		67	-0.29	-0.96	0.545	0.802	1	2669	tags=30%, list=26%,
879		REACTOME_HDMS_DEMETHYLATE_HISTONES		23	-0.34	-0.96	0.545	0.803	1	1746	tags=26%, list=17%,
883		REACTOME_REGULATION_OF_TP53_DEGRADATION		30	-0.32	-0.95	0.545	0.809	1	1696	tags=27%, list=17%,
890		DELACROIX_RAR_TARGETS_UP		33	-0.31	-0.95	0.545	0.814	1	1440	tags=21%, list=14%,
846		BAKKER_FOXO3_TARGETS_DN		116	-0.27	-0.97	0.547	0.795	1	3330	tags=36%, list=33%,
864		REACTOME_ARACHIDONIC_ACID_METABOLISM		24	-0.34	-0.96	0.547	0.802	1	2799	tags=38%, list=28%,
882		BURTON_ADIPOGENESIS_10		29	-0.32	-0.95	0.547	0.809	1	1879	tags=34%, list=19%,
856		REACTOME_PEROXISOMAL_PROTEIN_IMPORT		59	-0.29	-0.97	0.548	0.803	1	2983	tags=34%, list=30%,
888		ZENG_GU_POST_ICB_METAGENE_39		33	-0.31	-0.95	0.548	0.814	1	2684	tags=33%, list=27%,
895		WP_OXIDATION_BY_CYTOCHROME_P450		23	-0.34	-0.95	0.548	0.815	1	1374	tags=26%, list=14%,

855			REACTOME_SYNTHESIS_OF_PA		18	-0.36	-0.97	0.55	0.803	1	4421	tags=61%, list=44%,
897			REACTOME_NUCLEOTIDE_BINDING_DOMAIN_LEUCINE_RICH_REPEAT_CONTAINING_RECEPTOR_NLR_SIGNALING_PATHWAYS		30	-0.32	-0.95	0.55	0.817	1	2525	tags=30%, list=25%, signal=40%
868			SAUL_SEN_MAYO		58	-0.29	-0.96	0.552	0.8	1	2621	tags=29%, list=26%,
873			SCHAEFFER_PROSTATE_DEVELOPMENT_12HR_DN		21	-0.35	-0.96	0.553	0.802	1	804	tags=19%, list=8%, signal=21%
876			ZENG_GU_ICB_CONTROL_METAGENE_19_PRECICTIVE_ICB_RESPONSE		84	-0.27	-0.96	0.555	0.801	1	2380	tags=25%, list=24%,
886			LEIN_CEREBELLUM_MARKERS		41	-0.3	-0.95	0.555	0.813	1	3402	tags=46%, list=34%,
899			BIOCARTA_CREB_PATHWAY		17	-0.36	-0.95	0.556	0.815	1	573	tags=18%, list=6%, signal=19%
835			REACTOME_M_PHASE		263	-0.26	-0.98	0.559	0.791	1	2710	tags=29%, list=27%,
860			DARWICHE_SKIN_TUMOR_PROMOTER_UP		92	-0.28	-0.97	0.559	0.802	1	2180	tags=27%, list=22%,
902			WP_CHOLESTEROL_BIOSYNTHESIS		15	-0.37	-0.94	0.559	0.817	1	1672	tags=33%, list=17%,
914			BOYLAN_MULTIPLE_MYELOMA_D_CLUSTER_DN		23	-0.33	-0.94	0.559	0.825	1	1489	tags=26%, list=15%,
865			BIOCARTA_GH_PATHWAY		22	-0.34	-0.96	0.56	0.802	1	2369	tags=36%, list=23%,
915			BIOCARTA_TCR_PATHWAY		30	-0.31	-0.94	0.56	0.824	1	625	tags=17%, list=6%, signal=18%
891			ZHENG_FOXP3_TARGETS_UP		20	-0.34	-0.95	0.561	0.813	1	4301	tags=45%, list=43%,
904			BIOCARTA_EIF4_PATHWAY		21	-0.35	-0.94	0.562	0.817	1	3845	tags=57%, list=38%,
861			HOLLERN_EMT_BREAST_TUMOR_UP		78	-0.28	-0.97	0.563	0.803	1	2696	tags=32%, list=27%,
901			BREDEMEYER_RAG_SIGNALING_VIA_ATM_NOT_VIA_NFKB_UP		34	-0.31	-0.95	0.563	0.815	1	1504	tags=26%, list=15%,
903			REACTOME_TRANSFERRIN_ENDOCYTOSIS_AND_RECYCLING		24	-0.33	-0.94	0.563	0.817	1	4704	tags=58%, list=47%,
935			SAENZ_DETOX_PATHWAY_AND_CARCINOGENESIS_DN		17	-0.35	-0.93	0.566	0.825	1	4790	tags=59%, list=47%,
907			CLASPER_LYMPHATIC_VESSELS_DURING_METASTASIS_DN		18	-0.35	-0.94	0.567	0.818	1	1849	tags=33%, list=18%,
898			LEE_TARGETS_OF_PTCH1_AND_SUFU_DN		32	-0.31	-0.95	0.568	0.816	1	2268	tags=34%, list=22%,
929			REACTOME_REGULATION_OF_INSULIN_SECRETION		30	-0.32	-0.93	0.57	0.825	1	1247	tags=20%, list=12%,
932			REACTOME_REGULATION_OF_TP53_ACTIVITY_THROUGH_METHYLATION		16	-0.36	-0.93	0.57	0.826	1	4034	tags=56%, list=40%,
912			BILANGES_SERUM_RESPONSE_TRANSLATION		26	-0.33	-0.94	0.572	0.821	1	4996	tags=62%, list=49%,
850			TORCHIA_TARGETS_OF_EWSR1_FLI1_FUSION_DN		228	-0.26	-0.97	0.573	0.796	1	2478	tags=27%, list=25%,
877			DURAND_STROMA_S_UP		147	-0.26	-0.96	0.573	0.802	1	2578	tags=30%, list=26%,
911			REACTOME_FORMATION_OF_WDR5_CONTAINING_HISTONE_MODIFYING_COMPLE		34	-0.31	-0.94	0.573	0.821	1	1475	tags=24%, list=15%,
927			PLASARI_TGFB1_SIGNALING_VIA_NFIC_1HR_UP		21	-0.34	-0.93	0.574	0.826	1	1375	tags=24%, list=14%,
900			REACTOME_SEMAPHORIN_INTERACTIONS		30	-0.32	-0.95	0.576	0.816	1	1370	tags=20%, list=14%,
905			REACTOME_STIMULI_SENSING_CHANNELS		34	-0.31	-0.94	0.577	0.816	1	228	tags=9%, list=2%, signal=9%
874			DARWICHE_SQUAMOUS_CELL_CARCINOMA_UP		102	-0.27	-0.96	0.578	0.801	1	3648	tags=41%, list=36%,
889			DARWICHE_PAPILLOMA_RISK_HIGH_UP		93	-0.27	-0.95	0.579	0.814	1	3648	tags=40%, list=36%,
941			WP_NUCLEAR_RECEPTORS		24	-0.32	-0.92	0.579	0.833	1	3052	tags=42%, list=30%,
906			REACTOME_TGF_BETA_RECEPTOR_SIGNALING_ACTIVATES_SMADS		31	-0.31	-0.94	0.581	0.817	1	1564	tags=23%, list=15%,
918			YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_6		59	-0.28	-0.93	0.581	0.824	1	2044	tags=25%, list=20%,
937			BIOCARTA_TEL_PATHWAY		17	-0.35	-0.92	0.581	0.83	1	178	tags=12%, list=2%, signal=12%
910			REACTOME_DOWNREGULATION_OF_SMAD2_3_SMAD4_TRANSCRIPTIONAL_ACTIV		20	-0.34	-0.94	0.582	0.821	1	1626	tags=20%, list=16%,
925			REACTOME_RHOC_GTPASE_CYCLE		49	-0.28	-0.93	0.582	0.826	1	2553	tags=31%, list=25%,
928			REACTOME_RHOD_GTPASE_CYCLE		39	-0.29	-0.93	0.582	0.825	1	3663	tags=49%, list=36%,
936			REACTOME_RHO_GTPASES_ACTIVATE_IQGAPS		20	-0.34	-0.93	0.583	0.827	1	1208	tags=25%, list=12%,
955			MCBRYAN_PUBERTAL_BREAST_3_4WK_DN		25	-0.32	-0.91	0.584	0.835	1	1932	tags=24%, list=19%,
893			LIN_NPAS4_TARGETS_UP		109	-0.26	-0.95	0.585	0.814	1	2559	tags=28%, list=25%,
916			MIKKELSEN_NPC_HCP_WITH_H3K27ME3		51	-0.29	-0.94	0.588	0.823	1	1949	tags=29%, list=19%,
931			GRAESSMANN_RESPONSE_TO_MC_AND_SERUM_DEPRIVATION_DN		51	-0.28	-0.93	0.588	0.825	1	1269	tags=18%, list=13%,
887			IKEDA_MIR30_TARGETS_UP		100	-0.27	-0.95	0.589	0.813	1	2054	tags=24%, list=20%,
926			REACTOME_INTERLEUKIN_3_INTERLEUKIN_5_AND_GM_CSF_SIGNALING		28	-0.31	-0.93	0.589	0.827	1	2579	tags=29%, list=26%,
919			REACTOME_SIGNALING_BY_FGFR2		40	-0.29	-0.93	0.591	0.825	1	3997	tags=45%, list=40%,
954			BERENJENO_TRANSFORMED_BY_RHOA_FOREVER_DN		22	-0.33	-0.91	0.592	0.836	1	2306	tags=32%, list=23%,
924			REACTOME_SIGNALLING_TO_ERKS		19	-0.35	-0.93	0.593	0.825	1	4406	tags=58%, list=44%,
959			REACTOME_PROTEIN_PROTEIN_INTERACTIONS_AT_SYNAPSES		25	-0.31	-0.91	0.595	0.836	1	1348	tags=16%, list=13%,
963			BIOCARTA_IL1R_PATHWAY		21	-0.33	-0.91	0.595	0.838	1	3253	tags=38%, list=32%,
842			MILI_PSEUDOPODIA_HAPTOTAXIS_UP		482	-0.25	-0.98	0.596	0.795	1	3053	tags=28%, list=30%,
943			SHIN_B_CELL_LYMPHOMA_CLUSTER_3		16	-0.35	-0.92	0.596	0.835	1	4918	tags=75%, list=49%,
971			BIOCARTA_PML_PATHWAY		15	-0.35	-0.9	0.597	0.846	1	5496	tags=67%, list=54%,
909			CHIARADONNA_NEOPLASTIC_TRANSFORMATION_CDC25_DN		115	-0.26	-0.94	0.598	0.822	1	2053	tags=23%, list=20%,
878			RAY_TUMORIGENESIS_BY_ERBB2_CDC25A_DN		197	-0.26	-0.96	0.601	0.801	1	3228	tags=36%, list=32%,
894			IGLESIAS_E2F_TARGETS_UP		121	-0.26	-0.95	0.601	0.815	1	2955	tags=33%, list=29%,
951			REACTOME_VISUAL_PHOTOTRANSDUCTION		47	-0.28	-0.92	0.601	0.834	1	3771	tags=40%, list=37%,
934			MORI_EMU_MYC_LYMPHOMA_BY_ONSET_TIME_UP		72	-0.27	-0.93	0.602	0.826	1	3794	tags=42%, list=38%,
857			IVANOVA_HEMATOPOIESIS_EARLY_PROGENITOR		349	-0.25	-0.97	0.605	0.802	1	2492	tags=25%, list=25%,
939			HORTON_SREBF_TARGETS		24	-0.33	-0.92	0.607	0.833	1	1672	tags=25%, list=17%,
980			REACTOME_CLASS_I_PEROXISOMAL_MEMBRANE_PROTEIN_IMPORT		17	-0.34	-0.9	0.607	0.845	1	2488	tags=35%, list=25%,
944			REACTOME_PRC2_METHYLATES_HISTONES_AND_DNA		20	-0.33	-0.92	0.609	0.834	1	4232	tags=45%, list=42%,
985			WAKABAYASHI_ADIPOGENESIS_PPARG_BOUND_36HR		22	-0.32	-0.9	0.609	0.849	1	1824	tags=23%, list=18%,
956			BOYLAN_MULTIPLE_MYELOMA_D_DN		55	-0.28	-0.91	0.61	0.835	1	2026	tags=24%, list=20%,
953			REACTOME_TP53_REGULATES_METABOLIC_GENES		61	-0.28	-0.92	0.611	0.835	1	2743	tags=30%, list=27%,
965			BOYLAN_MULTIPLE_MYELOMA_C_CLUSTER_DN		24	-0.32	-0.91	0.612	0.837	1	1784	tags=33%, list=18%,
923			BURTON_ADIPOGENESIS_8		54	-0.29	-0.93	0.613	0.823	1	4792	tags=57%, list=47%,
922			SHETH_LIVER_CANCER_VS_TXNIP_LOSS_PAM2		93	-0.27	-0.93	0.615	0.824	1	796	tags=13%, list=8%, signal=14%
940			REACTOME_RESOLUTION_OF_SISTER_CHROMATID_COHESION		76	-0.26	-0.92	0.615	0.833	1	2406	tags=30%, list=24%,
952			REACTOME_CDC42_GTPASE_CYCLE		57	-0.28	-0.92	0.616	0.836	1	3693	tags=46%, list=37%,
973			HOFFMANN_PRE_BI_TO_LARGE_PRE_BII_LYMPHOCYTE_DN		47	-0.28	-0.9	0.618	0.846	1	3511	tags=43%, list=35%,
976			REACTOME_RHO_GTPASES_ACTIVATE_PKNS		16	-0.35	-0.9	0.618	0.845	1	4984	tags=50%, list=49%,
981			WP_GLUTATHIONE_AND_ONE_CARBON_METABOLISM		25	-0.31	-0.9	0.618	0.844	1	4222	tags=48%, list=42%,
974			REACTOME_TELOMERE_EXTENSION_BY_TELOMERASE		15	-0.35	-0.9	0.619	0.845	1	4513	tags=67%, list=45%,
969			DELACROIX_RAR_TARGETS_DN		17	-0.34	-0.91	0.62	0.84	1	608	tags=12%, list=6%, signal=12%
948			WP_METAPATHWAY_BIOTRANSFORMATION		76	-0.27	-0.92	0.625	0.832	1	2489	tags=25%, list=25%,
917			MEISSNER_NPC_HCP_WITH_H3_UNMETHYLATED		153	-0.25	-0.93	0.626	0.824	1	3150	tags=37%, list=31%,
967			WP_IL_2_SIGNALING_PATHWAY		62	-0.27	-0.91	0.626	0.837	1	1367	tags=18%, list=14%,
930			PLASARI_TGFB1_TARGETS_10HR_UP		90	-0.26	-0.93	0.628	0.825	1	1864	tags=27%, list=18%,
1000			REACTOME_RHO_GTPASES_ACTIVATE_WASPS_AND_WAVES		28	-0.3	-0.88	0.629	0.865	1	2478	tags=36%, list=25%,
993			JIANG_AGING_HYPOTHALAMUS_DN		28	-0.3	-0.89	0.63	0.857	1	4215	tags=50%, list=42%,
1007			BYSTRYKH_HEMATOPOIESIS_STEM_CELL_SCP2_QTL_TRANS		17	-0.33	-0.88	0.631	0.866	1	640	tags=18%, list=6%, signal=19%
982			REACTOME_INTRA_GOLGI_TRAFFIC		30	-0.31	-0.9	0.633	0.844	1	3537	tags=43%, list=35%,
987			BIOCARTA_CERAMIDE_PATHWAY		21	-0.33	-0.89	0.634	0.859	1	5085	tags=71%, list=50%,
977			DELASERNA_MYOD_TARGETS_UP		49	-0.28	-0.9	0.635	0.844	1	3290	tags=37%, list=33%,
881			REACTOME_CELL_CYCLE		412	-0.25	-0.96	0.636	0.805	1	2710	tags=28%, list=27%,
950			REACTOME_TRANSMISSION_ACROSS_CHEMICAL_SYNAPSES		68	-0.27	-0.92	0.636	0.835	1	2389	tags=25%, list=24%,
938			REACTOME_MITOTIC_SPINDLE_CHECKPOINT		73	-0.27	-0.92	0.637	0.834	1	2406	tags=30%, list=24%,
1003			HOFFMANN_SMALL_PRE_BII_TO_IMMATURE_B_LYMPHOCYTE_DN		23	-0.31	-0.88	0.637	0.866	1	1834	tags=26%, list=18%,
972			REACTOME_ESTROGEN_DEPENDENT_GENE_EXPRESSION		42	-0.29	-0.9	0.638	0.846	1	1934	tags=21%, list=19%,
997			SARTIPY_NORMAL_AT_INSULIN_RESISTANCE_UP		23	-0.32	-0.88	0.638	0.863	1	935	tags=17%, list=9%, signal=19%
979			REACTOME_ANCHORING_OF_THE_BASAL_BODY_TO_THE_PLASMA_MEMBRANE		66	-0.27	-0.9	0.639	0.844	1	1191	tags=17%, list=12%,
1004			SCHMIDT_POR_TARGETS_IN_LIMB_BUD_UP		25	-0.31	-0.88	0.643	0.866	1	1672	tags=28%, list=17%,
946			LE_EGR2_TARGETS_DN		72	-0.27	-0.92	0.644	0.833	1	2831	tags=32%, list=28%,
1006			WP_GLYCEROLIPIDS_AND_GLYCEROPHOSPHOLIPIDS_WP4345		17	-0.33	-0.88	0.645	0.865	1	876	tags=18%, list=9%, signal=19%
1010			REACTOME_PROTEIN_METHYLATION		17	-0.33	-0.87	0.645	0.869	1	2318	tags=35%, list=23%,
968			REACTOME_PI_METABOLISM		50	-0.28	-0.91	0.647	0.838	1	1636	tags=20%, list=16%,
996			REACTOME_DOWNSTREAM_SIGNAL_TRANSDUCTION		22	-0.31	-0.88	0.648	0.861	1	2597	tags=36%, list=26%,
958			REACTOME_ANTIVIRAL_MECHANISM_BY_IFN_STIMULATED_GENES		71	-0.27	-0.91	0.65	0.835	1	3654	tags=41%, list=36%,
970			REACTOME_PROGRAMMED_CELL_DEATH		102	-0.25	-0.9	0.65	0.843	1	3270	tags=33%, list=32%,
994			REACTOME_METABOLISM_OF_FAT_SOLUBLE_VITAMINS		33	-0.29	-0.89	0.651	0.86	1	3771	tags=39%, list=37%,
1019			BIOCARTA_PTEN_PATHWAY		16	-0.33	-0.87	0.651	0.873	1	1547	tags=25%, list=15%,
1005			REACTOME_SUMOYLATION_OF_SUMOYLATION_PROTEINS		28	-0.3	-0.88	0.652	0.865	1	5134	tags=68%, list=51%,
1013			WP_GLYCEROLIPIDS_AND_GLYCEROPHOSPHOLIPIDS_WP5296		17	-0.33	-0.87	0.652	0.87	1	876	tags=18%, list=9%, signal=19%
975			WP_OXIDATIVE_STRESS_AND_REDOX_PATHWAY		69	-0.26	-0.9	0.655	0.844	1	1234	tags=14%, list=12%,
990			REACTOME_NEGATIVE_REGULATION_OF_FGFR3_SIGNALING		17	-0.34	-0.89	0.655	0.858	1	3997	tags=53%, list=40%,
1035			REACTOME_GLYCOGEN_METABOLISM		15	-0.34	-0.86	0.656	0.875	1	1208	tags=27%, list=12%,
1039			REACTOME_NEGATIVE_REGULATION_OF_FGFR2_SIGNALING		16	-0.32	-0.85	0.656	0.881	1	3997	tags=50%, list=40%,
1028			MORI_EMU_MYC_LYMPHOMA_BY_ONSET_TIME_DN		17	-0.33	-0.86	0.657	0.875	1	2649	tags=29%, list=26%,
1023			PLASARI_TGFB1_SIGNALING_VIA_NFIC_10HR_DN		16	-0.33	-0.87	0.658	0.873	1	1688	tags=25%, list=17%,
896			LIM_MAMMARY_STEM_CELL_DN		300	-0.25	-0.95	0.659	0.815	1	3371	tags=36%, list=33%,
1001			GAVIN_FOXP3_TARGETS_CLUSTER_P6		44	-0.28	-0.88	0.661	0.866	1	1799	tags=20%, list=18%,
1002			REACTOME_NEGATIVE_REGULATION_OF_FGFR4_SIGNALING		18	-0.33	-0.88	0.661	0.867	1	3997	tags=50%, list=40%,
962			REACTOME_RHO_GTPASES_ACTIVATE_FORMINS		84	-0.26	-0.91	0.662	0.837	1	2406	tags=29%, list=24%,
957			SCHAEFFER_PROSTATE_DEVELOPMENT_6HR_UP		114	-0.25	-0.91	0.664	0.835	1	1182	tags=15%, list=12%,
1012			WP_GPCRS_NON_ODORANT		39	-0.28	-0.87	0.664	0.871	1	2806	tags=28%, list=28%,
992			REACTOME_GLUCOSE_METABOLISM		59	-0.27	-0.89	0.665	0.858	1	4397	tags=47%, list=44%,
983			REACTOME_NUCLEOTIDE_EXCISION_REPAIR		93	-0.26	-0.9	0.669	0.844	1	3918	tags=41%, list=39%,
998			REACTOME_INTERLEUKIN_17_SIGNALING		49	-0.27	-0.88	0.669	0.863	1	4697	tags=59%, list=47%,
1016			REACTOME_PKR_MEDIATED_SIGNALING		45	-0.27	-0.87	0.67	0.869	1	3101	tags=38%, list=31%,
1027			WP_HEART_DEVELOPMENT		24	-0.31	-0.86	0.67	0.875	1	750	tags=13%, list=7%, signal=13%
908			RAO_BOUND_BY_SALL4_ISOFORM_B		330	-0.24	-0.94	0.671	0.818	1	2882	tags=27%, list=29%,
945			QI_PLASMACYTOMA_UP		140	-0.25	-0.92	0.671	0.834	1	3558	tags=35%, list=35%,
1025			REACTOME_PEPTIDE_HORMONE_METABOLISM		32	-0.29	-0.87	0.672	0.873	1	3830	tags=56%, list=38%,
960			REACTOME_METABOLISM_OF_VITAMINS_AND_COFACTORS		138	-0.25	-0.91	0.673	0.837	1	3163	tags=32%, list=31%,
1033			REACTOME_SUMOYLATION_OF_DNA_REPLICATION_PROTEINS		33	-0.29	-0.86	0.676	0.874	1	2091	tags=24%, list=21%,
1011			MIKKELSEN_NPC_HCP_WITH_H3K4ME3_AND_H3K27ME3		43	-0.28	-0.87	0.677	0.869	1	2745	tags=40%, list=27%,
1015			MEISSNER_NPC_HCP_WITH_H3K4ME2_AND_H3K27ME3		52	-0.27	-0.87	0.677	0.87	1	2391	tags=35%, list=24%,
933			SCHAEFFER_PROSTATE_DEVELOPMENT_48HR_UP		255	-0.24	-0.93	0.679	0.826	1	2593	tags=27%, list=26%,
1034			REACTOME_SMOOTH_MUSCLE_CONTRACTION		20	-0.31	-0.86	0.68	0.875	1	1403	tags=20%, list=14%,
1022			BAKKER_FOXO3_TARGETS_UP		47	-0.27	-0.87	0.681	0.874	1	2650	tags=34%, list=26%,
1060			REACTOME_BRANCHED_CHAIN_AMINO_ACID_CATABOLISM		19	-0.31	-0.84	0.685	0.895	1	4944	tags=58%, list=49%,
921			SHETH_LIVER_CANCER_VS_TXNIP_LOSS_PAM4		255	-0.24	-0.93	0.686	0.824	1	2389	tags=23%, list=24%,
984			DARWICHE_PAPILLOMA_RISK_HIGH_DN		110	-0.25	-0.9	0.686	0.848	1	3534	tags=39%, list=35%,
1029			REACTOME_CYCLIN_D_ASSOCIATED_EVENTS_IN_G1		35	-0.28	-0.86	0.686	0.876	1	2577	tags=29%, list=26%,
1040			HEVNER_TELENCEPHALON_MENINGEAL_CELLS		25	-0.3	-0.85	0.686	0.88	1	2545	tags=40%, list=25%,
966			ZENG_GU_POST_ICB_METAGENE_31		118	-0.25	-0.91	0.687	0.837	1	3023	tags=35%, list=30%,
1043			REACTOME_TRANSPORT_OF_VITAMINS_NUCLEOSIDES_AND_RELATED_MOLECUL		25	-0.3	-0.85	0.687	0.879	1	3423	tags=40%, list=34%,
1026			MA_MYELOID_DIFFERENTIATION_DN		29	-0.29	-0.86	0.688	0.874	1	2649	tags=38%, list=26%,
913			MIKKELSEN_ES_ICP_WITH_H3K4ME3		354	-0.24	-0.94	0.691	0.82	1	2388	tags=25%, list=24%,
1050			REACTOME_RHOH_GTPASE_CYCLE		29	-0.29	-0.84	0.693	0.891	1	2652	tags=38%, list=26%,
995			CHIARADONNA_NEOPLASTIC_TRANSFORMATION_CDC25_UP		87	-0.25	-0.89	0.695	0.859	1	3372	tags=34%, list=33%,
986			GAVIN_FOXP3_TARGETS_CLUSTER_P3		99	-0.25	-0.89	0.697	0.854	1	1291	tags=16%, list=13%,
1045			REACTOME_NONHOMOLOGOUS_END_JOINING_NHEJ		32	-0.28	-0.85	0.698	0.879	1	4834	tags=53%, list=48%,
1041			REACTOME_TP53_REGULATES_TRANSCRIPTION_OF_DNA_REPAIR_GENES		39	-0.27	-0.85	0.703	0.88	1	4385	tags=49%, list=43%,
989			LANDIS_ERBB2_BREAST_TUMORS_324_DN		125	-0.24	-0.89	0.705	0.858	1	2578	tags=26%, list=26%,
991			DARWICHE_SKIN_TUMOR_PROMOTER_DN		111	-0.25	-0.89	0.705	0.858	1	4061	tags=44%, list=40%,
920			BRUINS_UVC_RESPONSE_VIA_TP53_GROUP_A		436	-0.24	-0.93	0.706	0.824	1	3519	tags=38%, list=35%,
1032			REACTOME_CHROMOSOME_MAINTENANCE		60	-0.26	-0.86	0.71	0.875	1	4091	tags=47%, list=41%,
1063			REACTOME_DEACTIVATION_OF_THE_BETA_CATENIN_TRANSACTIVATING_COMPL		25	-0.29	-0.83	0.71	0.896	1	2563	tags=24%, list=25%,
1046			HUANG_GATA2_TARGETS_DN		42	-0.27	-0.85	0.712	0.883	1	1403	tags=21%, list=14%,
1055			YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_8		36	-0.27	-0.84	0.712	0.893	1	3454	tags=39%, list=34%,
1038			REACTOME_CELLULAR_SENESCENCE		68	-0.26	-0.86	0.713	0.88	1	4069	tags=46%, list=40%,
1067			STEGER_ADIPOGENESIS_DN		15	-0.32	-0.83	0.717	0.896	1	509	tags=13%, list=5%, signal=14%
1037			REACTOME_DRUG_ADME		66	-0.25	-0.86	0.719	0.876	1	3599	tags=32%, list=36%,
1024			LANDIS_BREAST_CANCER_PROGRESSION_DN		57	-0.26	-0.87	0.72	0.873	1	2253	tags=25%, list=22%,
1048			REACTOME_PROCESSING_OF_DNA_DOUBLE_STRAND_BREAK_ENDS		43	-0.27	-0.85	0.72	0.884	1	3898	tags=40%, list=39%,
1076			ONGUSAHA_TP53_TARGETS		27	-0.29	-0.82	0.72	0.902	1	1187	tags=22%, list=12%,
999			ZENG_GU_POST_ICB_METAGENE_22		116	-0.24	-0.88	0.722	0.864	1	4051	tags=39%, list=40%,
1066			REACTOME_SYNTHESIS_OF_ACTIVE_UBIQUITIN_ROLES_OF_E1_AND_E2_ENZYME		26	-0.28	-0.83	0.722	0.896	1	2228	tags=23%, list=22%,
1071			REACTOME_TAK1_DEPENDENT_IKK_AND_NF_KAPPA_B_ACTIVATION		29	-0.29	-0.83	0.722	0.9	1	3453	tags=38%, list=34%,
1047			BIOCARTA_HIVNEF_PATHWAY		47	-0.26	-0.85	0.723	0.884	1	3270	tags=32%, list=32%,
1069			REACTOME_DNA_DAMAGE_RECOGNITION_IN_GG_NER		34	-0.28	-0.83	0.723	0.897	1	4508	tags=50%, list=45%,
1021			DURAND_STROMA_NS_UP		89	-0.25	-0.87	0.725	0.874	1	2530	tags=28%, list=25%,
1044			YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_10		65	-0.25	-0.85	0.725	0.88	1	1836	tags=22%, list=18%,
1079			REACTOME_CITRIC_ACID_CYCLE_TCA_CYCLE		19	-0.31	-0.82	0.725	0.902	1	5476	tags=63%, list=54%,
1088			KAMIKUBO_MYELOID_MN1_NETWORK		17	-0.31	-0.81	0.725	0.909	1	5132	tags=76%, list=51%,
942			LAZARO_GENETIC_MOUSE_MODEL_HIGH_GRADE_SMALL_CELL_NEUROENDOCRINE_LUNG_CARCINOMA_UP		290	-0.24	-0.92	0.726	0.836	1	2437	tags=24%, list=24%, signal=31%
1018			DARWICHE_SQUAMOUS_CELL_CARCINOMA_DN		101	-0.25	-0.87	0.729	0.871	1	3822	tags=42%, list=38%,
1014			REACTOME_PROTEIN_LOCALIZATION		90	-0.25	-0.87	0.73	0.87	1	3256	tags=32%, list=32%,
1051			GUO_HEX_TARGETS_DN		51	-0.26	-0.84	0.73	0.891	1	425	tags=8%, list=4%, signal=8%
1102			REACTOME_METALLOPROTEASE_DUBS		17	-0.31	-0.81	0.73	0.905	1	4511	tags=59%, list=45%,
1056			MORI_IMMATURE_B_LYMPHOCYTE_DN		58	-0.25	-0.84	0.731	0.895	1	1799	tags=21%, list=18%,
978			REACTOME_METABOLISM_OF_CARBOHYDRATES		167	-0.24	-0.9	0.732	0.843	1	4023	tags=41%, list=40%,
1098			REACTOME_G_PROTEIN_BETA_GAMMA_SIGNALLING		16	-0.31	-0.81	0.732	0.907	1	1547	tags=19%, list=15%,
1054			BRUINS_UVC_RESPONSE_VIA_TP53_GROUP_C		52	-0.26	-0.84	0.735	0.891	1	1624	tags=21%, list=16%,
1065			REACTOME_RAB_GERANYLGERANYLATION		39	-0.27	-0.83	0.737	0.896	1	1460	tags=18%, list=14%,
1074			REACTOME_ACTIVATION_OF_BH3_ONLY_PROTEINS		16	-0.32	-0.82	0.737	0.903	1	5108	tags=63%, list=51%,
1082			MIKKELSEN_MEF_LCP_WITH_H3K27ME3		16	-0.31	-0.82	0.737	0.902	1	473	tags=13%, list=5%, signal=13%
1009			REACTOME_ORGANELLE_BIOGENESIS_AND_MAINTENANCE		149	-0.24	-0.88	0.738	0.866	1	2419	tags=25%, list=24%,
1042			REACTOME_DNA_DOUBLE_STRAND_BREAK_REPAIR		88	-0.24	-0.85	0.739	0.88	1	3629	tags=34%, list=36%,
1059			WP_CALCIUM_REGULATION_IN_CARDIAC_CELLS		56	-0.26	-0.84	0.739	0.896	1	1879	tags=20%, list=19%,
1061			BURTON_ADIPOGENESIS_PEAK_AT_24HR		29	-0.28	-0.83	0.741	0.897	1	3068	tags=38%, list=30%,
1073			WP_OXIDATIVE_PHOSPHORYLATION		47	-0.26	-0.83	0.741	0.9	1	5948	tags=62%, list=59%,
1077			REACTOME_TRANSLESION_SYNTHESIS_BY_Y_FAMILY_DNA_POLYMERASES_BYPASSES_LESIONS_ON_DNA_TEMPLATE		31	-0.28	-0.82	0.744	0.901	1	1417	tags=19%, list=14%, signal=22%
1091			WP_LUNG_FIBROSIS		26	-0.28	-0.81	0.744	0.908	1	3330	tags=46%, list=33%,
1080			REACTOME_POST_TRANSLATIONAL_MODIFICATION_SYNTHESIS_OF_GPI_ANCHORED_PROTEINS		36	-0.27	-0.82	0.747	0.901	1	3995	tags=50%, list=40%, signal=82%
1093			REACTOME_DEPOSITION_OF_NEW_CENPA_CONTAINING_NUCLEOSOMES_AT_THE_CENTROMERE		24	-0.29	-0.81	0.747	0.907	1	3982	tags=46%, list=39%, signal=75%
1106			REACTOME_POSTMITOTIC_NUCLEAR_PORE_COMPLEX_NPC_REFORMATION		18	-0.3	-0.81	0.747	0.904	1	986	tags=17%, list=10%,
1083			REACTOME_SENSORY_PERCEPTION		48	-0.26	-0.82	0.748	0.904	1	2224	tags=23%, list=22%,
1084			BURTON_ADIPOGENESIS_PEAK_AT_0HR		44	-0.26	-0.82	0.748	0.904	1	2716	tags=27%, list=27%,
1109			REACTOME_NOD1_2_SIGNALING_PATHWAY		25	-0.28	-0.8	0.749	0.905	1	2525	tags=28%, list=25%,
1020			REACTOME_SIGNALING_BY_NUCLEAR_RECEPTORS		119	-0.24	-0.87	0.75	0.874	1	1573	tags=18%, list=16%,
1114			REACTOME_CYCLIN_A_B1_B2_ASSOCIATED_EVENTS_DURING_G2_M_TRANSITIO		16	-0.31	-0.8	0.75	0.913	1	2677	tags=31%, list=27%,
949			WAKABAYASHI_ADIPOGENESIS_PPARG_BOUND_8D		497	-0.24	-0.92	0.752	0.832	1	2140	tags=21%, list=21%,
1130			MARCINIAK_ER_STRESS_RESPONSE_VIA_CHOP		16	-0.31	-0.79	0.752	0.914	1	1465	tags=19%, list=15%,
1075			DURCHDEWALD_SKIN_CARCINOGENESIS_UP		54	-0.25	-0.82	0.756	0.903	1	1993	tags=20%, list=20%,
1087			REACTOME_APOPTOTIC_EXECUTION_PHASE		36	-0.26	-0.81	0.756	0.909	1	3225	tags=33%, list=32%,
1094			BURTON_ADIPOGENESIS_12		27	-0.28	-0.81	0.757	0.908	1	4738	tags=63%, list=47%,
1008			REACTOME_DNA_REPAIR		197	-0.23	-0.88	0.758	0.866	1	4049	tags=41%, list=40%,
1062			REACTOME_FORMATION_OF_TC_NER_PRE_INCISION_COMPLEX		50	-0.26	-0.83	0.759	0.897	1	4508	tags=50%, list=45%,
1100			REACTOME_CYTOSOLIC_SENSORS_OF_PATHOGEN_ASSOCIATED_DNA		27	-0.28	-0.81	0.759	0.906	1	1841	tags=22%, list=18%,
1089			MODY_HIPPOCAMPUS_NEONATAL		24	-0.29	-0.81	0.76	0.909	1	3584	tags=46%, list=35%,
1111			STARK_HYPPOCAMPUS_22Q11_DELETION_UP		32	-0.27	-0.8	0.76	0.908	1	3476	tags=44%, list=34%,
1121			REACTOME_KERATAN_SULFATE_KERATIN_METABOLISM		16	-0.31	-0.79	0.761	0.915	1	3326	tags=38%, list=33%,
1049			DARWICHE_PAPILLOMA_RISK_LOW_UP		98	-0.24	-0.85	0.762	0.883	1	3648	tags=40%, list=36%,
1068			REACTOME_GLOBAL_GENOME_NUCLEOTIDE_EXCISION_REPAIR_GG_NER		68	-0.24	-0.83	0.762	0.897	1	3567	tags=32%, list=35%,
1117			WP_FACTORS_AND_PATHWAYS_AFFECTING_INSULIN_LIKE_GROWTH_FACTOR_IGF1_AKT_SIGNALING		25	-0.27	-0.79	0.764	0.915	1	3749	tags=44%, list=37%, signal=70%
1017			SCHAEFFER_PROSTATE_DEVELOPMENT_48HR_DN		185	-0.24	-0.87	0.765	0.871	1	2281	tags=23%, list=23%,
1057			CHEN_LIVER_METABOLISM_QTL_CIS		77	-0.24	-0.84	0.766	0.894	1	3352	tags=34%, list=33%,
1070			YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_2		39	-0.27	-0.83	0.768	0.9	1	677	tags=13%, list=7%, signal=14%
1053			RASHI_RESPONSE_TO_IONIZING_RADIATION_2		89	-0.24	-0.84	0.769	0.89	1	2621	tags=29%, list=26%,
1134			WP_TCA_CYCLE		29	-0.26	-0.78	0.769	0.915	1	4993	tags=48%, list=49%,
1110			REACTOME_TELOMERE_MAINTENANCE		36	-0.26	-0.8	0.77	0.906	1	4542	tags=56%, list=45%,
1142			REACTOME_RET_SIGNALING		17	-0.29	-0.77	0.772	0.92	1	4107	tags=53%, list=41%,
1064			PANGAS_TUMOR_SUPPRESSION_BY_SMAD1_AND_SMAD5_DN		94	-0.24	-0.83	0.773	0.896	1	2476	tags=27%, list=25%,
1085			CADWELL_ATG16L1_TARGETS_UP		59	-0.25	-0.82	0.781	0.904	1	1966	tags=22%, list=19%,
1132			MCMURRAY_TP53_HRAS_COOPERATION_RESPONSE_DN		28	-0.27	-0.79	0.781	0.914	1	3732	tags=46%, list=37%,
1138			CHESLER_BRAIN_HIGHEST_EXPRESSION		33	-0.26	-0.78	0.782	0.919	1	4411	tags=42%, list=44%,
1118			WP_PARKINSON_39_S_DISEASE		23	-0.28	-0.79	0.783	0.916	1	428	tags=9%, list=4%, signal=9%
1145			BIOCARTA_IGF1R_PATHWAY		19	-0.29	-0.77	0.783	0.921	1	1213	tags=16%, list=12%,
1031			YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_13		163	-0.23	-0.86	0.786	0.875	1	3070	tags=26%, list=30%,

1115		JOHNSON GLIOMAGENESIS BY PDGFR UP	66	0.25	0.8	0.786	0.912	1	3326		sig=24%, lid=23%,
1164		SCHAEFFER SOX9 TARGETS IN PROSTATE DEVELOPMENT DN	51	0.26	0.77	0.786	0.951	1	3597		sig=45%, lid=33%,
1097		REACTOME SNRNP ASSEMBLY	64	0.26	0.81	0.786	0.967	1	3383		sig=24%, lid=21%,
1137		BIOCARTA FAS PATHWAY	24	0.28	0.78	0.787	0.918	1	830		sig=13%, lid=5%, qval=1%
1093		FARRELL ATG14L1 TARGETS DN	64	0.24	0.81	0.787	0.967	1	3358		sig=24%, lid=21%,
1104		REACTOME AMPLIFICATION OF SIGNAL FROM THE KINETOCHORES	60	0.24	0.81	0.788	0.954	1	3371		sig=21%, lid=22%,
1155		REACTOME ACTIVATION OF NMDA RECEPTORS AND POSTSYNAPTIC EVENTS	15	0.3	0.76	0.789	0.935	1	51		sig=7%, lid=3%, qval=1%
1133		REACTOME SUMOYLATION OF UBIQUITINATION PROTEINS	54	0.25	0.78	0.79	0.944	1	3462		sig=18%, lid=18%,
1149		BIOCARTA BAD PATHWAY	18	0.29	0.78	0.79	0.927	1	1840		sig=61%, lid=33%,
1123		DATZA SPERMATOCYTE	24	0.27	0.78	0.792	0.914	1	1284		sig=33%, lid=33%,
1151		GAUSMANN MLL AF4 FUSION TARGETS B UP	17	0.29	0.78	0.792	0.932	1	3762		sig=32%, lid=32%,
1107		PATSANOU ELAVL1 TARGETS UP	31	0.27	0.81	0.793	0.955	1	2367		sig=22%, lid=17%,
1072		REACTOME TRANSCRIPTION COUPLED NUCLEOTIDE EXCISION REPAIR TC NER	67	0.23	0.81	0.794	0.954	1	3918		sig=24%, lid=23%,
1136		YANAGA CARCINOGENESIS BY KRAS UP	106	0.23	0.83	0.799	0.899	1	3195		sig=22%, lid=22%,
1136		REACTOME G2 M DNA DAMAGE CHECKPOINT	58	0.24	0.78	0.804	0.916	1	3934		sig=24%, lid=24%,
1152		REACTOME PYRIMIDINE METABOLISM	18	0.26	0.78	0.805	0.955	1	3594		sig=64%, lid=33%,
1141		REACTOME PLATELET HOMEOSTASIS	36	0.25	0.79	0.807	0.92	1	3430		sig=24%, lid=24%,
1175		HP PROSTAGLANDIN SYNTHESIS AND REGULATION	15	0.29	0.74	0.81	0.942	1	2430		sig=27%, lid=21%,
1140		REACTOME GLYCOLYSIS	24	0.24	0.79	0.811	0.919	1	3107		sig=17%, lid=17%,
1153		REACTOME ENERGY DEPENDENT REGULATION OF MTOR BY LKB1 AMPK	30	0.27	0.78	0.812	0.934	1	3743		sig=24%, lid=21%,
1176		SCHRAETS MEL TARGETS UP	18	0.27	0.74	0.814	0.941	1	3934		sig=24%, lid=24%,
1190		MORI LARGE PRE BII LYMPHOCYTE DN	36	0.25	0.78	0.815	0.922	1	3478		sig=24%, lid=24%,
1171		REACTOME RESOLUTION OF AP SITES VIA THE MULTIPLE NUCLEOTIDE PATCH REPLACEMENT PATHWAY	18	0.27	0.74	0.817	0.943	1	3362		sig=32%, lid=32%, qval=17%
1135		HOWLIN CTEN1 TARGETS 1 DN	28	0.27	0.78	0.818	0.915	1	3138		sig=22%, lid=21%,
1129		REACTOME APOPTOSIS	75	0.23	0.81	0.821	0.911	1	3370		sig=21%, lid=21%,
1157		BIOCARTA FMLP PATHWAY	24	0.27	0.75	0.822	0.937	1	717		sig=33%, lid=3%, qval=6%
1163		MIKKELSEN MEF LCP WITH H3K4M3	31	0.26	0.76	0.823	0.92	1	3530		sig=24%, lid=24%,
1172		REACTOME RHO GTPASES ACTIVATE PAKS	31	0.29	0.74	0.823	0.943	1	3927		sig=24%, lid=24%,
1030		CUI TCF21 TARGETS 2 UP	232	0.23	0.88	0.824	0.878	1	1831		sig=17%, lid=15%,
1112		FIEDLER BRD1 TARGETS UP	58	0.24	0.8	0.824	0.91	1	1869		sig=24%, lid=18%,
1183		HP IL 1 SIGNALING PATHWAY	52	0.25	0.74	0.828	0.942	1	3385		sig=28%, lid=33%,
1095		REACTOME PHOSPHOLIPID METABOLISM	74	0.22	0.81	0.829	0.908	1	3945		sig=18%, lid=18%,
1108		REACTOME RAC1 GTPASE CYCLE	116	0.22	0.81	0.829	0.903	1	3856		sig=24%, lid=24%,
1154		MAKELENA IF5 WITH H3K4M3 AND H3K27M3	28	0.28	0.75	0.83	0.914	1	3263		sig=24%, lid=24%,
1154		REACTOME TNFR1 INDUCED NF KAPPA B SIGNALING PATHWAY	28	0.28	0.76	0.83	0.914	1	3263		sig=24%, lid=24%,
1092		IWAKABAYASHI ARPC5SENS PPARG RXRA BOUND WITH IMR90MET MARK	132	0.22	0.81	0.831	0.908	1	3731		sig=25%, lid=24%,
1105		REACTOME INTERFERON SIGNALING	96	0.23	0.81	0.833	0.903	1	3937		sig=25%, lid=24%,
1122		REACTOME NEURONAL SYSTEM	51	0.24	0.79	0.834	0.914	1	3389		sig=22%, lid=21%,
1160		BIOCARTA GPCR PATHWAY	21	0.27	0.75	0.834	0.938	1	635		sig=14%, lid=5%, qval=12%
1116		REACTOME RESPIRATORY ELECTRON TRANSPORT ATP SYNTHESIS BY CHEMIOSMOTIC COUPLING AND HEAT PRODUCTION BY UNCOUPLING PROTEINS	110	0.22	0.79	0.835	0.915	1	4238		sig=30%, lid=46%,
1143		REACTOME HOMOLOGY DIRECTED REPAIR	61	0.23	0.77	0.836	0.92	1	3596		sig=24%, lid=24%,
1165		REACTOME APOPTOTIC CLEAVAGE OF CELLULAR PROTEINS	24	0.26	0.75	0.837	0.942	1	3940		sig=24%, lid=24%,
1187		HARRIS BRAIN CANCER PROGENITORS	30	0.27	0.73	0.838	0.934	1	3864		sig=24%, lid=24%,
1173		GAUSMANN MLL AF4 FUSION TARGETS D DN	18	0.27	0.74	0.837	0.943	1	583		sig=11%, lid=5%, qval=12%
1181		MATRIX MALE REPRODUCTION SERTOLI	18	0.28	0.73	0.839	0.941	1	3946		sig=24%, lid=24%,
1169		REACTOME NUCLEAR PORE COMPLEX NPC DISASSEMBLY	28	0.25	0.74	0.84	0.941	1	1987		sig=21%, lid=13%,
1188		SYSTROM CORRELATED WITH IL3 UP	24	0.26	0.74	0.84	0.945	1	3303		sig=41%, lid=41%,
1101		REACTOME EUKARYOTIC TRANSLATION INITIATION	119	0.23	0.81	0.841	0.906	1	3310		sig=21%, lid=21%,
1113		REACTOME RESPIRATORY ELECTRON TRANSPORT	60	0.22	0.79	0.841	0.915	1	4017		sig=18%, lid=15%,
1139		BURTON ADIPOGENESIS 2	30	0.24	0.78	0.841	0.92	1	3816		sig=18%, lid=15%,
1148		HOFFMANN SMALL PRE BII TO IMMATURE B LYMPHOCYTE UP	24	0.24	0.77	0.841	0.927	1	3378		sig=24%, lid=24%,
1125		YANAGA CARCINOGENESIS BY KRAS DN	79	0.23	0.79	0.843	0.917	1	3931		sig=24%, lid=24%,
1164		SUNWOO MYC TARGETS DN	54	0.25	0.74	0.844	0.943	1	3841		sig=24%, lid=23%,
1128		HARRY IRX1 CHRONIC LOF UP	73	0.23	0.79	0.845	0.912	1	3372		sig=16%, lid=17%,
1180		REACTOME REGULATION OF SIGNALING BY CBL	17	0.28	0.73	0.845	0.942	1	3379		sig=24%, lid=24%,
1183		REACTOME DNA STRAND ELONGATION	24	0.27	0.73	0.848	0.943	1	3940		sig=24%, lid=24%,
1185		WILLERN MICROCACHAR BREAST TUMOR UP	30	0.25	0.73	0.848	0.942	1	3106		sig=24%, lid=11%,
1146		YAO TEMPORAL RESPONSE TO PROGESTERONE CLUSTER 12	79	0.23	0.77	0.85	0.923	1	3596		sig=24%, lid=24%,
1178		PLASARI TIPF1 SIGNALING VIA NFKI IKBB UP	19	0.28	0.73	0.854	0.943	1	3934		sig=24%, lid=24%,
1177		HP TYROBP CAUSAL NETWORK IN MICROGLIA	28	0.24	0.73	0.855	0.941	1	3374		sig=21%, lid=21%,
1052		MIKKELSEN NPC ICP WITH H3K4M3	293	0.22	0.84	0.861	0.861	1	3341		sig=20%, lid=20%,
1189		BIOCARTA VIP PATHWAY	17	0.28	0.71	0.861	0.952	1	3106		sig=21%, lid=21%,
1093		HP MITOCHONDRIAL GENE EXPRESSION	31	0.26	0.76	0.861	0.953	1	3107		sig=21%, lid=17%,
1179		YANGYIN NOS2 TARGETS UP	30	0.25	0.75	0.867	0.942	1	3362		sig=24%, lid=24%,
1168		REACTOME INTEGRATION OF ENERGY METABOLISM	62	0.24	0.74	0.868	0.942	1	1247		sig=18%, lid=18%,
1184		REACTOME RHO GTPASE CYCLE	58	0.24	0.7	0.872	0.942	1	3914		sig=24%, lid=24%,
1191		REACTOME NICOTINATE METABOLISM	21	0.25	0.71	0.876	0.958	1	1117		sig=13%, lid=11%,
1214		SEDA MIR30 TARGETS DN	15	0.27	0.67	0.879	0.972	1	3317		sig=7%, lid=3%, qval=12%
1195		RUAN RESPONSE TO TNF TROGLITAZONE DN	24	0.24	0.7	0.88	0.963	1	1860		sig=17%, lid=17%,
1199		BIOCARTA AKT PATHWAY	24	0.26	0.7	0.884	0.963	1	3311		sig=21%, lid=17%,
1196		REACTOME RUNX INDSIGN IN SIG NER	24	0.23	0.7	0.884	0.963	1	1316		sig=16%, lid=16%,
1113		REACTOME THE CITRIC ACID TCA CYCLE AND RESPIRATORY ELECTRON TRANSPORT	149	0.22	0.8	0.885	0.913	1	4038		sig=40%, lid=46%, qval=21%
1127		LAZARO GENETIC MOUSE MODEL HIGH GRADE LARGE CELL NEUROENDOCRINE LUNG CARCINOMA UP	176	0.21	0.79	0.886	0.912	1	2163		sig=21%, lid=21%, qval=24%
1182		REACTOME BIOSYNTHESIS OF THE N GLYCAN PRECURSOR DOLICHOL LIPID	45	0.23	0.73	0.886	0.942	1	1661		sig=18%, lid=18%,
1166		REACTOME GLYCEROPHOSPHOLIPID BIOSYNTHESIS	88	0.22	0.74	0.888	0.941	1	3379		sig=18%, lid=17%,
1203		REACTOME DNA DAMAGE BYPASS	58	0.22	0.68	0.893	0.963	1	3417		sig=18%, lid=14%,
1124		AFFAR YY1 TARGETS DN	139	0.22	0.75	0.89	0.913	1	1825		sig=18%, lid=18%,
1161		HP ELECTRON TRANSPORT CHAIN	51	0.21	0.75	0.893	0.94	1	3320		sig=35%, lid=15%,
1216		REACTOME REGULATION OF FZD BY UBIQUITINATION	13	0.26	0.62	0.893	0.973	1	3927		sig=47%, lid=39%,
1193		REACTOME REGULATION OF IRF3 ACTIVITY THROUGH PHOSPHORYLATION	31	0.22	0.73	0.894	0.943	1	3130		sig=22%, lid=22%,
1186		RUAN RESPONSE TO TNF DN	51	0.22	0.72	0.894	0.944	1	3318		sig=16%, lid=20%,
1224		REACTOME O LINKED GLYCOSYLATION OF MUCINS	17	0.25	0.66	0.895	0.972	1	2597		sig=35%, lid=24%,
1190		IE EGR3 TARGETS UP	31	0.21	0.74	0.896	0.957	1	3107		sig=18%, lid=18%,
1198		KARLSSON TGFB1 TARGETS UP	110	0.21	0.75	0.897	0.937	1	3871		sig=38%, lid=38%,
1211		REACTOME INTRAFLAGELLAR TRANSPORT	35	0.21	0.67	0.897	0.972	1	3320		sig=38%, lid=23%,
1151		HANSON APC MYC TARGETS	149	0.21	0.75	0.898	0.914	1	3894		sig=38%, lid=37%,
1192		REACTOME RAC1 GTPASE CYCLE	85	0.21	0.73	0.898	0.937	1	3383		sig=27%, lid=28%,
1207		RUNINGER IGF1 VS PDGFB TARGETS UP	31	0.21	0.68	0.898	0.969	1	3316		sig=24%, lid=24%,
1206		REACTOME INITIATION OF NUCLEAR ENVELOPE NE REFORMATION	18	0.26	0.66	0.899	0.969	1	3936		sig=68%, lid=50%,
1193		MEYNER CORTICAL PLATE POSTMITOTIC NEURONS	58	0.22	0.73	0.9	0.92	1	3382		sig=31%, lid=37%,
1197		REACTOME HSP90 CHAPERONE CYCLE FOR STEROID HORMONE RECEPTORS SHR IN THE PRESENCE OF LIGANDS	38	0.22	0.7	0.9	0.963	1	3625		sig=42%, lid=35%,
1147		REACTOME MITOTIC G2 G2 M PHASES	139	0.21	0.72	0.901	0.926	1	3716		sig=27%, lid=27%,
1208		BIOCARTA DEATH PATHWAY	23	0.24	0.68	0.901	0.972	1	3190		sig=35%, lid=31%,
1176		KOHLAN MLL TELE MYELOMA C D UP	31	0.21	0.75	0.902	0.941	1	345		sig=25%, lid=3%, qval=7%
1204		REACTOME FGFR2 PKC SIGNALING VIA ATM NOT VIA NFKB DN	31	0.21	0.68	0.902	0.961	1	3313		sig=24%, lid=24%,
1200		BIOCARTA MAPK PATHWAY	31	0.22	0.68	0.902	0.972	1	3179		sig=35%, lid=3%, qval=10%
1198		HP CHE CARBON METABOLISM AND RELATED PATHWAYS	62	0.22	0.7	0.904	0.963	1	3236		sig=48%, lid=43%,
1219		MORI PLASMA CELL DN	31	0.24	0.63	0.904	0.973	1	3373		sig=67%, lid=53%,
1221		BIOCARTA MITOCHONDRIA PATHWAY	18	0.26	0.66	0.904	0.974	1	3977		sig=69%, lid=55%,
1201		BRACHAT RESPONSE TO CISPLATIN	35	0.24	0.68	0.909	0.972	1	3322		sig=35%, lid=32%,
1213		HP GLYCOGEN METABOLISM	26	0.23	0.65	0.91	0.973	1	3938		sig=35%, lid=35%,
1228		PLASARI TIPF1 TARGETS 1HR UP	13	0.21	0.63	0.911	0.973	1	1119		sig=7%, lid=7%, qval=7%
1222		REACTOME ACTIVATED TAK1 MEDIATES P38 MAPK ACTIVATION	13	0.25	0.65	0.911	0.973	1	3389		sig=38%, lid=21%,
1212		REACTOME PYRUVATE METABOLISM AND CITRIC ACID TCA CYCLE	35	0.21	0.67	0.912	0.973	1	3835		sig=46%, lid=46%,
1235		REACTOME TERMINATION OF TRANSLESION DNA SYNTHESIS	13	0.22	0.59	0.913	0.972	1	3389		sig=38%, lid=46%,
1235		BIOCARTA TNFR1 PATHWAY	24	0.22	0.64	0.913	0.973	1	3890		sig=25%, lid=25%,
1208		EMBELAN PAPR1 TARGETS UP	23	0.23	0.65	0.915	0.972	1	3391		sig=31%, lid=13%,
1218		REACTOME ENDOSOMAL SORTING COMPLEX REQUIRED FOR TRANSPORT ESCRT	35	0.23	0.65	0.917	0.972	1	3936		sig=43%, lid=43%,
1240		HP GLUTAMATE MYOSYNUCLEIN NETWORK	13	0.21	0.59	0.923	0.96	1	3320		sig=77%, lid=42%,
1201		BLANDES SERUM AND RAPAMYCIN SENSITIVE GENES	51	0.21	0.63	0.923	0.953	1	3301		sig=35%, lid=55%,
1223		HP IR SIGNALING PATHWAY	31	0.22	0.66	0.923	0.972	1	3894		sig=31%, lid=28%,
1224		REACTOME PYROPTOSIS	24	0.22	0.64	0.923	0.973	1	3934		sig=40%, lid=33%,
1227		LANDIS ERBB2 BREAST TUMORS 85 DN	23	0.22	0.65	0.923	0.973	1	1839		sig=17%, lid=18%,
1231		BIOCARTA RACCYCD PATHWAY	13	0.22	0.64	0.923	0.977	1	871		sig=10%, lid=5%, qval=10%
1238		REACTOME JNK C JUN KINASES PHOSPHORYLATION AND ACTIVATION MEDIATED BY ACTIVATED HUMAN TAK1	18	0.23	0.63	0.924	0.979	1	2102		sig=21%, lid=21%,
1241		REACTOME PCNA DEPENDENT LONG PATCH BASE EXCISION REPAIR	18	0.24	0.63	0.924	0.972	1	3896		sig=38%, lid=31%,
1237		HP SIGNAL TRANSDUCER	13	0.24	0.63	0.93	0.96	1	3177		sig=18%, lid=18%,
1237		REACTOME NUCLEOTIDE CATABOLISM	13	0.22	0.63	0.93	0.973	1	1319		sig=3%, lid=3%, qval=6%
1232		NEMETH INFLAMMATORY RESPONSE LPS DN	30	0.23	0.64	0.934	0.977	1	3384		sig=21%, lid=21%,
1242		MEISSNER NPC HCP WITH H3K4M3	18	0.21	0.61	0.94	0.973	1	3341		sig=21%, lid=21%,
1193		BERENZENO TRANSFORMED BY RHOA UP	100	0.21	0.61	0.94	0.895	1	3106		sig=22%, lid=21%,
1196		GOBERT OLIGODENDROCYTE DIFFERENTIATION UP	93	0.21	0.78	0.94	0.912	1	3323		sig=22%, lid=21%,
1219		REACTOME DUAL INCISION IN TC NER	35	0.2	0.65	0.94	0.973	1	3918		sig=38%, lid=32%,
1245		MEYNER INTERMEDIATE ZONE AND UP POSTMITOTIC PROJECTION NEURONS	58	0.21	0.61	0.942	0.95	1	3307		sig=22%, lid=24%,
1248		MEYNER CORTEX APICAL AND BASAL INTERMEDIATE PROGENITOR CELLS	58	0.2	0.6	0.944	0.955	1	3366		sig=21%, lid=21%,
1226		HP VMT SIGNALING PATHWAY AND PLURIPOTENCY	35	0.2	0.65	0.945	0.974	1	3172		sig=24%, lid=21%,
1245		REACTOME SIGNALING BY RETINOIC ACID	35	0.21	0.61	0.947	0.95	1	3313		sig=24%, lid=21%,
1233		REACTOME RHOD GTPASE CYCLE	62	0.2	0.54	0.948	0.976	1	3738		sig=21%, lid=27%,
1252		REACTOME LAGGING STRAND SYNTHESIS	13	0.22	0.59	0.949	0.947	1	3320		sig=35%, lid=22%,
1251		HP VMT SIGNALING IN KIDNEY DISEASE	22	0.22	0.6	0.953	0.964	1	3936		sig=41%, lid=40%,
1217		REACTOME TRANSLATION	216	0.2	0.74	0.95	0.941	1	3310		sig=24%, lid=21%,
1225		REACTOME CELLULAR RESPONSE TO HEAT STRESS	216	0.19	0.66	0.953	0.972	1	3236		sig=24%, lid=21%,
1174		LIM MAMMARY STEM CELL UP	23	0.2	0.74	0.961	0.942	1	3380		sig=21%, lid=21%,
1253		YAO TEMPORAL RESPONSE TO PROGESTERONE CLUSTER 10	79	0.22	0.55	0.963	0.969	1	3596		sig=24%, lid=24%,
1202		PAL PRMT5 TARGETS UP	139	0.19	0.65	0.968	0.963	1	3703		sig=31%, lid=27%,
1250		REACTOME FORMATION OF THE EARLY ELONGATION COMPLEX	35	0.2	0.6	0.968	0.965	1	3320		sig=31%, lid=21%,
1257		KOHOUTEK CDK12 TARGETS	23	0.2	0.52	0.97	0.969	1	3336		sig=22%, lid=22%,
1253		CAPELLA ZMPSTE24 TARGETS DN	42	0.19	0.58	0.971	0.968	1	3302		sig=24%, lid=24%,
1230		HANSON VMT PATHWAY REGULATE MYC	62	0.18	0.58	0.973	0.952	1	3730		sig=31%, lid=31%,
1256		REACTOME FORMATION OF INCISION COMPLEX IN GG NER	35	0.18	0.56	0.98	0.969	1	3697		sig=31%, lid=31%,
1259		MAGNA OPRA4 TARGETS	18	0.18	0.56	0.981	0.969	1	3894		sig=3%, lid=3%, qval=4%
1254		REACTOME REGULATION OF HSF1 MEDIATED HEAT SHOCK RESPONSE	58	0.18	0.55	0.983	0.96	1	3236		sig=24%, lid=24%,
1247		REACTOME GLYCOSAMINOGLYCAN METABOLISM	62	0.18	0.49	0.983	0.964	1	3533		sig=31%, lid=31%,
1248		BURTON ADIPOGENESIS 3	132	0.17	0.61	0.986	0.964	1	3327		sig=21%, lid=22%,
1236		IWAKABAYASHI ARPC5SENS PPARG RXRA BOUND 3HR	116	0.17	0.63	0.989	0.978	1	3322		sig=18%, lid=22%,
1244		LANDIS ERBB2 BREAST PRENEOPLASTIC DN	139	0.17	0.55	0.991	0.953	1	3318		sig=17%, lid=22%,
1260		MARTORIATI MDM4 TARGETS NEUROEPITHELIUM DN	139	0.17	0.61	0.993	0.983	1	3278		sig=24%, lid=24%,
1262		GAUSMANN MLL AF4 FUSION TARGETS A DN	68	0.17	0.54	0.993	0.994	1	3393		sig=31%, lid=31%,
1264		MORI MATURE B LYMPHOCYTE DN	93	0.16	0.49	0.993	0.987	1	3310		sig=24%, lid=24%,
1268		LEIN ASTROCYTE MARKERS	28	0.17	0.49	0.994	0.987	1	1795		sig=14%, lid=7%,
1257		REACTOME HDR THROUGH SINGLE STRAND ANNEALING SSA	23	0.2	0.47	0.995	0.987	1	3320		sig=24%, lid=24%,
1255		YANAGA CARCINOGENESIS BY KRAS PTEN DN	174	0.17	0.43	0.996	0.98	1	3370		sig=31%, lid=31%,
1265		MIKKELSEN MEF HCP WITH H3 UNMETHYLATED	93	0.17	0.51	0.998	0.998	1	3535		sig=24%, lid=24%,
1269		REACTOME NONSENSE MEDIATED DECAY NMD	93	0.16	0.37	0.998	0.991	1	3340		sig=24%, lid=24%,
1266		REACTOME MITOCHONDRIAL TRANSLATION	87	0.14	0.5	0.998	0.998	1	3700		sig=24%, lid=27%,
1210		STARK PREFRONTAL CORTEX 22Q11 DELETION DN	209	0.17	0.67	0.999	0.972	1	3318		sig=24%, lid=24%,
1217		REACTOME METABOLISM OF LIPIDS	492	0.17	0.62	0.999	0.972	1	3921		sig=22%, lid=23%,
1261		BURTON ADIPOGENESIS 4	116	0.14	0.54	1	0.995	1	3340		sig=24%, lid=24%,
1271		REACTOME COMPLEX I BIOGENESIS	58	0.12	0.44	1	0.998	1	3236		sig=24%, lid=24%,