

Reference Set	User Set	N	K	n	k	P	BHP_P
BLALOCK_ALZHEIMERS_DISEASE_UP	wilcox_up_in_GA	31847	1691	392	54	0	0
PILON_KLF1_TARGETS_DN	wilcox_up_in_GA	31847	1972	392	80	0	0
MEMBRANE	wilcox_up_in_GA	31847	1994	392	65	0	0
GRAESSMANN_APOPTOSIS_BY_DOXORUBICIN_DN	wilcox_up_in_GA	31847	1781	392	60	0	0
GGGAGGRR_V\$MAZ_Q6	wilcox_up_in_GA	31847	2274	392	69	0	0
SIGNAL_TRANSDUCTION	wilcox_up_in_GA	31847	1634	392	60	0	0
TTGTTT_V\$FOXO4_01	wilcox_up_in_GA	31847	2061	392	64	0	0
DUTERTRE ESTRADIOL_RESPONSE_24HR_DN	wilcox_up_in_GA	31847	505	392	30	0	0
GNF2_MATK	wilcox_up_in_GA	31847	25	392	10	0	0
PID_TCR_PATHWAY	wilcox_up_in_GA	31847	66	392	14	3.55E-12	8.55E-10
MEMBRANE_PART	wilcox_up_in_GA	31847	1670	392	53	8.99E-12	1.97E-09
BIOPOLYMER_METABOLIC_PROCESS	wilcox_up_in_GA	31847	1684	392	53	1.10E-11	2.20E-09
PID_CD8TCRDOWNSTREAMPATHWAY	wilcox_up_in_GA	31847	65	392	12	4.02E-11	7.45E-09
REACTOME_TCR_SIGNALING	wilcox_up_in_GA	31847	54	392	13	4.93E-11	8.47E-09
PID_CD8TCRPATHWAY	wilcox_up_in_GA	31847	53	392	12	7.51E-11	1.21E-08
SMID_BREAST_CANCER_NORMAL_LIKE_UP	wilcox_up_in_GA	31847	476	392	48	9.86E-11	1.44E-08
PUJANA_ATM_PCC_NETWORK	wilcox_up_in_GA	31847	1442	392	52	1.02E-10	1.44E-08
GNF2_PTPN4	wilcox_up_in_GA	31847	51	392	11	1.17E-10	1.57E-08
MODULE_64	wilcox_up_in_GA	31847	518	392	28	1.30E-10	1.59E-08
PID_IL12_STAT4PATHWAY	wilcox_up_in_GA	31847	33	392	9	1.37E-10	1.59E-08
ZHENG_BOUND_BY_FOXP3	wilcox_up_in_GA	31847	491	392	56	1.42E-10	1.59E-08
DIAZ_CHRONIC_MEYLOGENOUS_LEUKEMIA_UP	wilcox_up_in_GA	31847	1382	392	51	1.46E-10	1.59E-08
CHEN_METABOLIC_SYNDROM_NETWORK	wilcox_up_in_GA	31847	1210	392	46	1.72E-10	1.79E-08
MODULE_75	wilcox_up_in_GA	31847	399	392	29	1.86E-10	1.80E-08
MODULE_84	wilcox_up_in_GA	31847	549	392	38	1.87E-10	1.80E-08
MARSON_BOUND_BY_FOXP3_UNSTIMULATED	wilcox_up_in_GA	31847	1229	392	66	2.04E-10	1.80E-08
LINDGREN_BLADDER_CANCER_CLUSTER_2B	wilcox_up_in_GA	31847	392	392	29	2.12E-10	1.80E-08
SANSOM_APC_TARGETS_DN	wilcox_up_in_GA	31847	366	392	25	2.16E-10	1.80E-08
MODULE_46	wilcox_up_in_GA	31847	395	392	29	2.27E-10	1.80E-08
SMID_BREAST_CANCER_LUMINAL_B_DN	wilcox_up_in_GA	31847	564	392	30	2.32E-10	1.80E-08
GCACTTT,MIR-17-5P,MIR-20A,MIR-106A,MIR-106B,MI	wilcox_up_in_GA	31847	595	392	33	2.46E-10	1.80E-08
NUYTEN_EZH2_TARGETS_UP	wilcox_up_in_GA	31847	1037	392	44	2.46E-10	1.80E-08
KUMAR_TARGETS_OF_MLL_AF9_FUSION	wilcox_up_in_GA	31847	405	392	26	2.47E-10	1.80E-08
MARSON_BOUND_BY_FOXP3_STIMULATED	wilcox_up_in_GA	31847	1022	392	54	2.65E-10	1.83E-08
GOBERT_OLIGODENDROCYTE_DIFFERENTIATION_DN	wilcox_up_in_GA	31847	1080	392	44	2.67E-10	1.83E-08
REACTOME_IMMUNE_SYSTEM	wilcox_up_in_GA	31847	933	392	51	2.82E-10	1.88E-08

MODULE_45	wilcox_up_in_GA	31847	583	392	33	2.99E-10	1.95E-08
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Reference Set	User Set	N	K	n	k	P	BHP_P
CYTOPLASM	wilcox_up_in_generic	31847	2131	439	68	0	0
BLALOCK_ALZHEIMERS_DISEASE_UP	wilcox_up_in_generic	31847	1691	439	59	0	0
PUJANA_BRCA1_PCC_NETWORK	wilcox_up_in_generic	31847	1652	439	57	0	0
PILON_KLF1_TARGETS_DN	wilcox_up_in_generic	31847	1972	439	81	0	0
GRAESSMANN_APOPTOSIS_BY_DOXORUBICIN_DN	wilcox_up_in_generic	31847	1781	439	68	0	0
DIAZ_CHRONIC_MEYLOGENOUS_LEUKEMIA_UP	wilcox_up_in_generic	31847	1382	439	56	6.56E-11	2.51E-08
KRIGE_RESPONSE_TO_TOSEDOSTAT_6HR_UP	wilcox_up_in_generic	31847	953	439	46	1.20E-10	3.57E-08
KRIGE_RESPONSE_TO_TOSEDOSTAT_24HR_DN	wilcox_up_in_generic	31847	1011	439	51	1.24E-10	3.57E-08
GRAESSMANN_APOPTOSIS_BY_DOXORUBICIN_UP	wilcox_up_in_generic	31847	1142	439	46	2.24E-10	5.64E-08
REACTOME_IMMUNE_SYSTEM	wilcox_up_in_generic	31847	933	439	41	2.48E-10	5.64E-08
KRIGE_RESPONSE_TO_TOSEDOSTAT_6HR_DN	wilcox_up_in_generic	31847	911	439	45	2.74E-10	5.64E-08
CHEN_METABOLIC_SYNDROM_NETWORK	wilcox_up_in_generic	31847	1210	439	48	2.95E-10	5.64E-08
PROTEIN_METABOLIC_PROCESS	wilcox_up_in_generic	31847	1231	439	48	3.86E-10	6.58E-08
LEE_BMP2_TARGETS_DN	wilcox_up_in_generic	31847	882	439	52	4.01E-10	6.58E-08
WEI_MYCN_TARGETS_WITH_E_BOX	wilcox_up_in_generic	31847	795	439	39	5.50E-10	8.42E-08
MODULE_5	wilcox_up_in_generic	31847	434	439	26	6.51E-10	9.34E-08
GGGCGGR_V\$SP1_Q6	wilcox_up_in_generic	31847	2940	439	95	7.24E-10	9.78E-08
BYSTRYKH_HEMATOPOIESIS_STEM_CELL_QTL_TRANS	wilcox_up_in_generic	31847	882	439	38	1.16E-09	1.48E-07
ENK_UV_RESPONSE_EPIDERMIS_UP	wilcox_up_in_generic	31847	293	439	21	1.31E-09	1.59E-07
MONNIER_POSTRADIATION_TUMOR_ESCAPE_UP	wilcox_up_in_generic	31847	393	439	24	1.69E-09	1.94E-07
BROWN_MYELOID_CELL_DEVELOPMENT_UP	wilcox_up_in_generic	31847	165	439	16	1.91E-09	2.09E-07
SENESE_HDAC3_TARGETS_UP	wilcox_up_in_generic	31847	501	439	27	2.47E-09	2.58E-07
BIOPOLYMER_METABOLIC_PROCESS	wilcox_up_in_generic	31847	1684	439	55	2.71E-09	2.71E-07
GNF2_CARD15	wilcox_up_in_generic	31847	70	439	11	3.41E-09	3.26E-07
DODD_NASOPHARYNGEAL_CARCINOMA_DN	wilcox_up_in_generic	31847	1375	439	48	4.41E-09	4.05E-07
SCGGAAGY_V\$ELK1_02	wilcox_up_in_generic	31847	1199	439	44	4.79E-09	4.23E-07
VERHAAK_AML_WITH_NPM1_MUTATED_UP	wilcox_up_in_generic	31847	183	439	16	6.55E-09	5.57E-07
CAIRO_HEPATOBLASTOMA_CLASSES_UP	wilcox_up_in_generic	31847	605	439	29	8.42E-09	6.91E-07
GNF2_CD1D	wilcox_up_in_generic	31847	45	439	9	9.51E-09	7.53E-07
RUTELLA_RESPONSE_TO_CSF2RB_AND_IL4_UP	wilcox_up_in_generic	31847	338	439	21	1.29E-08	9.69E-07
LI_INDUCED_T_TO_NATURAL_KILLER_UP	wilcox_up_in_generic	31847	307	439	20	1.31E-08	9.69E-07
BOYLAN_MULTIPLE_MYELOMA_C_D_DN	wilcox_up_in_generic	31847	252	439	18	1.73E-08	1.24E-06
KEGG_TOLL_LIKE_RECEPTOR_SIGNALING_PATHWAY	wilcox_up_in_generic	31847	102	439	12	1.83E-08	1.27E-06

MODULE_6	wilcox_up_in_generic	31847	416	439	23	2.30E-08	1.55E-06
RUTELLA_RESPONSE_TO_HGF_UP	wilcox_up_in_generic	31847	418	439	23	2.51E-08	1.65E-06
MODULE_3	wilcox_up_in_generic	31847	385	439	22	2.59E-08	1.65E-06
CHARAFE_BREAST_CANCER_LUMINAL_VS_BASAL_DN	wilcox_up_in_generic	31847	455	439	24	2.78E-08	1.73E-06
MARTENS_BOUND_BY_PML_RARA_FUSION	wilcox_up_in_generic	31847	456	439	24	2.90E-08	1.75E-06
GNF2_CD33	wilcox_up_in_generic	31847	52	439	9	3.62E-08	2.13E-06
NUCLEOBASENUCLEOSIDENUCLEOTIDE_AND_NUCLEIC	wilcox_up_in_generic	31847	1244	439	43	3.88E-08	2.23E-06
TONKS_TARGETS_OF_RUNX1_RUNX1T1_FUSION_ERY	wilcox_up_in_generic	31847	157	439	14	4.29E-08	2.41E-06
FOSTER_KDM1A_TARGETS_DN	wilcox_up_in_generic	31847	211	439	16	4.64E-08	2.54E-06
NUYTEN_EZH2_TARGETS_UP	wilcox_up_in_generic	31847	1037	439	38	5.75E-08	3.05E-06
MARKEY_RB1_ACUTE_LOF_UP	wilcox_up_in_generic	31847	215	439	16	6.02E-08	3.05E-06
CASORELLI_ACUTE_PROMYELOCYTIC_LEUKEMIA_DN	wilcox_up_in_generic	31847	663	439	29	6.04E-08	3.05E-06
MODULE_16	wilcox_up_in_generic	31847	511	439	25	6.11E-08	3.05E-06
BRUINS_UVC_RESPONSE_LATE	wilcox_up_in_generic	31847	1137	439	40	7.46E-08	3.65E-06
ZHANG_TLX_TARGETS_36HR_UP	wilcox_up_in_generic	31847	221	439	16	8.79E-08	4.21E-06
RODWELL_AGING_KIDNEY_UP	wilcox_up_in_generic	31847	487	439	24	9.84E-08	4.61E-06
SEKI_INFLAMMATORY_RESPONSE_LPS_UP	wilcox_up_in_generic	31847	77	439	10	1.08E-07	4.96E-06
HESS_TARGETS_OF_HOXA9_AND_MEIS1_DN	wilcox_up_in_generic	31847	77	439	10	1.08E-07	4.96E-06
IVANOVA_HEMATOPOIESIS_EARLY_PROGENITOR	wilcox_up_in_generic	31847	532	439	25	1.31E-07	5.77E-06
CELLULAR_PROTEIN_METABOLIC_PROCESS	wilcox_up_in_generic	31847	1117	439	39	1.33E-07	5.77E-06
ACEVEDO_LIVER_TUMOR_VS_NORMAL_ADJACENT_TI	wilcox_up_in_generic	31847	863	439	33	1.69E-07	7.21E-06
WANG_IMMORTALIZED_BY_HOXA9_AND_MEIS1_UP	wilcox_up_in_generic	31847	31	439	7	1.78E-07	7.36E-06
RYTTCCTG_V\$ETS2_B	wilcox_up_in_generic	31847	1085	439	38	1.80E-07	7.36E-06
CELLULAR_MACROMOLECULE_METABOLIC_PROCESS	wilcox_up_in_generic	31847	1131	439	39	1.83E-07	7.36E-06
KOINUMA_TARGETS_OF_SMAD2_OR_SMAD3	wilcox_up_in_generic	31847	824	439	32	1.86E-07	7.37E-06
KRIGE_RESPONSE_TO_TOSEDOSTAT_24HR_UP	wilcox_up_in_generic	31847	783	439	31	1.91E-07	7.45E-06
MODULE_45	wilcox_up_in_generic	31847	583	439	26	2.03E-07	7.76E-06
RASHI_RESPONSE_TO_IONIZING_RADIATION_2	wilcox_up_in_generic	31847	127	439	12	2.09E-07	7.88E-06
RESPONSE_TO_STRESS	wilcox_up_in_generic	31847	508	439	24	2.13E-07	7.88E-06
LENAOUR_DENDRITIC_CELL_MATURATION_DN	wilcox_up_in_generic	31847	128	439	12	2.28E-07	8.31E-06
MODULE_84	wilcox_up_in_generic	31847	549	439	25	2.37E-07	8.49E-06
GROSS_HYPOXIA_VIA_ELK3_UP	wilcox_up_in_generic	31847	209	439	15	2.48E-07	8.76E-06
GTGCCAA,MIR-96	wilcox_up_in_generic	31847	303	439	18	2.73E-07	9.49E-06
MARTENS_TRETINOIN_RESPONSE_DN	wilcox_up_in_generic	31847	841	439	32	2.92E-07	1.00E-05
MGGAAGTG_V\$GABP_B	wilcox_up_in_generic	31847	757	439	30	2.96E-07	1.00E-05
ACEVEDO_LIVER_CANCER_UP	wilcox_up_in_generic	31847	973	439	35	3.01E-07	1.00E-05
NEGATIVE_REGULATION_OF_BIOLOGICAL_PROCESS	wilcox_up_in_generic	31847	677	439	28	3.18E-07	1.04E-05
MODULE_118	wilcox_up_in_generic	31847	410	439	21	3.33E-07	1.08E-05

GAL_LEUKEMIC_STEM_CELL_DN	wilcox_up_in_generic	31847	244	439	16	3.38E-07	1.08E-05
MOOTHA_MITOCHONDRIA	wilcox_up_in_generic	31847	447	439	22	3.44E-07	1.08E-05
LINDSTEDT_DENDRITIC_CELL_MATURATION_A	wilcox_up_in_generic	31847	67	439	9	3.49E-07	1.08E-05
MEMBRANE	wilcox_up_in_generic	31847	1994	439	56	3.55E-07	1.09E-05
TARTE_PLASMA_CELL_VS_PLASMABLAST_DN	wilcox_up_in_generic	31847	309	439	18	3.64E-07	1.10E-05
NEGATIVE_REGULATION_OF_CELLULAR_PROCESS	wilcox_up_in_generic	31847	646	439	27	4.22E-07	1.25E-05
GRAESSMANN_RESPONSE_TO_MC_AND_DOXORUBIC	wilcox_up_in_generic	31847	770	439	30	4.23E-07	1.25E-05
GNF2_CD14	wilcox_up_in_generic	31847	35	439	7	4.35E-07	1.26E-05
RPS14_DN.V1_UP	wilcox_up_in_generic	31847	192	439	14	5.14E-07	1.47E-05
PUJANA_CHEK2_PCC_NETWORK	wilcox_up_in_generic	31847	779	439	30	5.39E-07	1.53E-05
BERENJENO_TRANSFORMED_BY_RHOA_UP	wilcox_up_in_generic	31847	536	439	24	5.57E-07	1.56E-05
CELL_DEVELOPMENT	wilcox_up_in_generic	31847	577	439	25	5.92E-07	1.64E-05
ONDER_CDH1_TARGETS_2_DN	wilcox_up_in_generic	31847	464	439	22	6.44E-07	1.76E-05
REACTOME_ACTIVATED_TLR4_SIGNALLING	wilcox_up_in_generic	31847	93	439	10	6.52E-07	1.76E-05
MTOR_UP.N4.V1_UP	wilcox_up_in_generic	31847	196	439	14	6.59E-07	1.76E-05
CYTOPLASMIC_PART	wilcox_up_in_generic	31847	1383	439	43	6.89E-07	1.82E-05
NEGATIVE_REGULATION_OF_DEVELOPMENTAL_PROC	wilcox_up_in_generic	31847	197	439	14	7.00E-07	1.83E-05
GNF2_HCK	wilcox_up_in_generic	31847	94	439	10	7.21E-07	1.86E-05
COFACTOR_METABOLIC_PROCESS	wilcox_up_in_generic	31847	54	439	8	7.31E-07	1.87E-05
SIGNAL_TRANSDUCTION	wilcox_up_in_generic	31847	1634	439	48	7.57E-07	1.91E-05
PROGRAMMED_CELL_DEATH	wilcox_up_in_generic	31847	432	439	21	7.76E-07	1.94E-05