

EnrichmentHsSymbolsFile2 Top pathways by non-permutation

Geneset	stat	num.genes	pval	p.adj	gene.vals
REACTOME_SENSORY_PERCEPTION	-0.11103414	308	2.354e-11	1.527e-07	CALHM1:7 OR10Z1:26 OR6B1:27 OTOF:32 OPN1SW:52 CABP2:61
REACTOME_FORMATION_OF_THE_CORNIFIED_ENVE	-0.17220518	78	1.481e-07	3.698e-04	KRT80:10 DSP:22 DSC3:28 TGM1:29 TGM5:96 KRT4:102
KEGG_OLFACTORY_TRANSDUCTION	-0.13294112	130	1.710e-07	3.698e-04	OR10Z1:26 OR6B1:27 OR5AU1:64 CAMK2B:141 GUCA1B:164 OR10G3:165
REACTOME KERATINIZATION	-0.16206017	85	2.452e-07	3.978e-04	KRT80:10 DSP:22 DSC3:28 TGM1:29 TGM5:96 KRT4:102
KEGG_STEROID_HORMONE_BIOSYNTHESIS	0.27509784	28	4.707e-07	6.108e-04	CYP17A1:61 SULT1E1:98 HSD17B2:111 CYP11A1:128 CYP1A1:146 HSD11B1:220
REACTOME_OLFACTORY_SIGNALING_PATHWAY	-0.13126254	116	1.068e-06	1.155e-03	OR10Z1:26 OR6B1:27 OR5AU1:64 OR10G3:165 OR52W1:181 OR52B6:199
WP_GPCRS_CLASS_A_RHODOPSINLIKE	-0.09115606	207	6.410e-06	5.941e-03	MTNR1B:13 SSTR4:14 OR6B1:27 BDKRB1:44 OPN1SW:52 OPN3:112
REACTOME_MUSCLE_CONTRACTION	-0.09461589	181	1.168e-05	8.423e-03	MYH8:20 DMD:30 MYH3:78 SLC8A3:103 TNNI2:135 CAMK2B:141
WP_STRIATED_MUSCLE_CONTRACTION_PATHWAY	-0.23134396	30	1.160e-05	8.423e-03	MYH8:20 DMD:30 MYH3:78 TNNI2:135 TNNT2:225 MYBPC1:269
KEGG_CYTOKINE_CYTOKINE_RECEPTOR_INTERACT	0.08540864	208	2.256e-05	1.463e-02	EGF:67 OSMR:96 IL23R:104 IFNAR1:124 LEPR:149 CXCL13:194
EBAUER_TARGETS_OF_PAX3_FOXO1_FUSION_UP	-0.09296819	173	2.532e-05	1.493e-02	MYH8:20 PYGM:50 AEBP1:73 MYH3:78 CLSTN2:100 TNNI2:135
EBAUER_MYOGENIC_TARGETS_OF_PAX3_FOXO1_FU	-0.18175600	44	3.042e-05	1.645e-02	MYH8:20 AEBP1:73 MYH3:78 TNNI2:135 MYH1:253 MYBPC1:269
REACTOME_SIGNALING_BY_GPCR	-0.04847234	615	4.504e-05	2.248e-02	TACR2:9 MTNR1B:13 SSTR4:14 PIK3R5:36 BDKRB1:44 OPN1SW:52
REACTOME_CELL_CELL_COMMUNICATION	-0.10705319	119	5.587e-05	2.589e-02	ITGB4:1 PLEC:5 ACTN1:45 SFTPA1:65 SFTPA2:85 FLNC:136
HSIAO_LIVER_SPECIFIC_GENES	0.08232132	199	6.426e-05	2.779e-02	SDS:15 F11:77 ALB:93 AGXT:103 ABCC6:109 C1S:145
FISCHER_DREAM_TARGETS	0.04004492	846	8.772e-05	3.557e-02	MTBP:4 WDR76:10 FANCM:20 HAUS8:30 ZNF518A:31 MIS18BP1:57
FLORIO_NEOCORTEX_BASAL_RADIAL_GLIA_DN	0.08541469	176	9.511e-05	3.583e-02	VCAM1:46 MIS18BP1:57 CDCA2:69 KIF18A:97 ANO5:126 CENPE:196
JAEGER_METASTASIS_DN	-0.07734551	214	9.940e-05	3.583e-02	ITGB4:1 DSP:22 DSC3:28 ANK3:68 ABCA12:101 KLK10:120
REACTOME_STRIATED_MUSCLE_CONTRACTION	-0.19889184	31	1.271e-04	4.339e-02	MYH8:20 DMD:30 MYH3:78 TNNI2:135 TNNT2:225 MYBPC1:269
REACTOME_NEURONAL_SYSTEM	-0.05758017	374	1.389e-04	4.505e-02	KCNV2:31 GABRR3:89 KCNA10:117 CAMK2B:141 CACNA1E:154 KCNN3:183
CHIANG_LIVER_CANCER_SUBCLASS_PROLIFERATI	0.08812013	154	1.639e-04	5.063e-02	ABCA6:16 AGXT:103 EHHADH:117 CTH:152 HSD11B1:220 SLC46A3:241
WP_CALCIUM_REGULATION_IN_CARDIAC_CELLS	-0.09562221	126	2.132e-04	6.287e-02	SLC8A3:103 CAMK2B:141 CACNA1E:154 ADRB3:193 CASQ1:209 RYR3:282
REACTOME_METABOLISM_OF_STEROIDS	0.09074096	137	2.496e-04	7.041e-02	SLCO1B1:51 CYP17A1:61 ALB:93 HSD17B2:111 CYP11A1:128 HSD11B1:220
REACTOME_DEVELOPMENTAL_BIOLOGY	-0.03633403	856	3.455e-04	8.172e-02	KRT80:10 DSP:22 DSC3:28 TGM1:29 PLXNA4:55 ANK3:68
REACTOME_TYPE_I_HEMIDESMOSOME_ASSEMBLY	-0.31239659	11	3.335e-04	8.172e-02	ITGB4:1 PLEC:5 KRT14:171 ITGA6:290 LAMC2:341 COL17A1:572
REACTOME_SENSORY_PROCESSING_OF_SOUND	-0.12241499	71	3.641e-04	8.172e-02	OTOF:32 CABP2:61 GSN:281 CACNB2:294 USH1C:464 PLS1:544
DUTERTRE ESTRADIOL_RESPONSE_24HR_UP	0.05985272	306	3.300e-04	8.172e-02	WDR76:10 HAUS8:30 CDCA2:69 EPS15L1:155 TET2:160 BRCA2:245
KEGG_CALCIUM_SIGNALING_PATHWAY	-0.08027533	169	3.243e-04	8.172e-02	TACR2:9 BDKRB1:44 SLC25A31:46 SLC8A3:103 CAMK2B:141 CACNA1E:154
KEGG_TIGHT_JUNCTION	-0.09672084	114	3.653e-04	8.172e-02	MYH7B:2 MYH13:4 MYH8:20 ACTN1:45 MYH3:78 CLDN11:218
WP_STEROID_BIOSYNTHESIS	0.34090154	9	3.977e-04	8.485e-02	CYP17A1:61 HSD17B2:111 HSD3B2:378 HSD17B1:685 HSD17B4:968 HSD17B3:1021
WP_DEGRADATION_PATHWAY_OF_SPHINGOLIPIDS_	0.25536852	16	4.054e-04	8.485e-02	HEXB:5 GLB1:200 GLA:278 NEU3:558 GALC:792 NEU1:869
REACTOME_PEROXISOMAL_PROTEIN_IMPORT	0.13600370	56	4.330e-04	8.780e-02	ACOX3:78 AGXT:103 EHHADH:117 HAO2:236 ACOX2:266 NUDT7:297
REACTOME_CLASS_A_1_RHODOPSIN_LIKE_RECEPT	-0.05933292	294	4.825e-04	9.487e-02	TACR2:9 MTNR1B:13 SSTR4:14 BDKRB1:44 OPN1SW:52 OPN3:112
REACTOME_FERTILIZATION	0.21795920	21	5.452e-04	1.040e-01	ADAM20:6 ADAM2:12 CATSPERG:40 CATSPERD:75 ZP4:287 CATSPER2:386
REACTOME_METABOLISM_OF_STEROID_HORMONES	0.18038616	30	6.282e-04	1.137e-01	CYP17A1:61 HSD17B2:111 CYP11A1:128 HSD11B1:220 HSD3B2:378 HSD17B1:685
REACTOME_ASSEMBLY_OF_COLLAGEN_FIBRILS_AN	-0.12867254	59	6.330e-04	1.137e-01	ITGB4:1 PLEC:5 COL6A1:111 COL10A1:184 ITGA6:290 COL3A1:297
HAMAI_APOPTOSIS_VIA_TRAIL_UP	0.04150257	585	6.485e-04	1.137e-01	BDP1:9 QSER1:56 MIS18BP1:57 IQGAP2:62 PJA2:74 ADAM9:81
BENPORATH_ES_WITH_H3K27ME3	-0.03241912	964	7.361e-04	1.253e-01	PLEC:5 CHAD:17 ANKRD35:19 DSC3:28 TMEM132E:42 SYNE1:58
KEGG_OTHER_GLYCAN_DEGRADATION	0.26897073	13	7.853e-04	1.253e-01	HEXB:5 GLB1:200 MANBA:202 NEU3:558 MAN2B1:830 NEU1:869
MIKKELSEN_MCV6_HCP_WITH_H3K27ME3	-0.04826371	414	7.918e-04	1.253e-01	CHAD:17 TMEM132E:42 AEBP1:73 RBP4:83 ASIC4:97 CLSTN2:100