

EnrichmentHsSymbolsFile2 Top pathways by non-permutation

Geneset	stat	num.genes	pval	p.adj	gene.vals
REACTOME_RESPIRATORY_ELECTRON_TRANSPORT_	0.14280990	101	7.208e-07	3.506e-03	LRPPRC:9 TMEM126B:49 ATP5PD:69 UQCRH:87 NDUFB7:97 COX20:117
REACTOME_RESPIRATORY_ELECTRON_TRANSPORT	0.15412451	81	1.646e-06	3.506e-03	LRPPRC:9 TMEM126B:49 UQCRH:87 NDUFB7:97 COX20:117 TIMMDC1:134
REACTOME_COMPLEX_I_BIOGENESIS	0.19771154	48	2.161e-06	3.506e-03	TMEM126B:49 NDUFB7:97 TIMMDC1:134 NDUFB10:196 NDUFB4:411 NDUFA9:541
WP_MITOCHONDRIAL_COMPLEX_I_ASSEMBLY_MODE	0.20402989	47	1.311e-06	3.506e-03	TMEM126B:49 DMAC1:64 NDUFB7:97 TIMMDC1:134 TMEM70:190 NDUFB10:196
REACTOME_TRANSPORT_OF_SMALL_MOLECULES	-0.05023780	669	1.059e-05	1.374e-02	ABCB4:2 TRPV6:10 ASIC3:19 ANO6:37 SLC43A1:51 ATP6V0D2:52
REACTOME_THE_CITRIC_ACID_TCA_CYCLE_AND_R	0.10323753	149	1.395e-05	1.509e-02	LRPPRC:9 TMEM126B:49 ATP5PD:69 UQCRH:87 NDUFB7:97 COX20:117
REACTOME_SLC_MEDIATED_TRANSMEMBRANE_TRAN	-0.08072167	237	1.935e-05	1.794e-02	SLC43A1:51 SLCO2A1:56 SLC6A20:59 SLC6A6:68 SLC27A4:72 SLC25A18:124
NIKOLSKY_BREAST_CANCER_7P22_AMPLICON	-0.19603025	38	2.904e-05	2.204e-02	FBXL18:31 TNRC18:107 BRAT1:116 SNX8:122 SUN1:176 TMEM184A:224
WP_ELECTRON_TRANSPORT_CHAIN_OXPHOS_SYSTE	0.13930894	75	3.057e-05	2.204e-02	ATP5PD:69 UQCRH:87 NDUFB7:97 SCO1:146 NDUFB10:196 ATP5PO:316
FISCHER_DREAM_TARGETS	0.04118708	882	3.837e-05	2.489e-02	HASPIN:5 AHCTF1:15 NEIL3:42 SPAG5:67 CEP295:76 LCORL:113
FLORIO_NEOCORTEX_BASAL_RADIAL_GLIA_DN	0.08684125	179	6.287e-05	3.399e-02	SPAG5:67 CKAP2L:127 MELK:175 BLM:213 NSUN7:224 C21orf62:241
WP_OXIDATIVE_PHOSPHORYLATION	0.17061710	46	6.264e-05	3.399e-02	ATP5PD:69 NDUFB7:97 NDUFB10:196 ATP5PO:316 ATP5PB:335 NDUFB4:411
REACTOME_NEURONAL_SYSTEM	-0.05872053	386	7.908e-05	3.745e-02	RIMS1:4 PPFIA4:62 KCNC2:91 EPB41L3:127 PRKAR1B:137 KCNH4:146
RODRIGUES_THYROID_CARCINOMA_POORLY_DIFFE	0.04744323	598	8.080e-05	3.745e-02	BRWD1:8 LRPPRC:9 HPS3:32 GTPBP10:74 ENO1:115 CIT:129
REACTOME_SPERM_MOTILITY_AND_TAXES	0.39177148	8	1.243e-04	5.377e-02	CATSPERB:1 CATSPERG:77 CATSPER3:704 CATSPER4:1113 CATSPER2:1296 HVCN1:1530
DODD_NASOPHARYNGEAL_CARCINOMA_DN	0.03253679	1244	1.360e-04	5.513e-02	PTCD3:2 LRPPRC:9 AHCTF1:15 NEIL3:42 SPAG5:67 GTPBP10:74
BENPORATH_ES_WITH_H3K27ME3	-0.03487528	983	2.446e-04	9.052e-02	RASGEF1C:12 RGS9:20 SLC27A2:55 SLCO2A1:56 SLC6A20:59 LYSDM2:73
KEGG_NEUROACTIVE_LIGAND_RECEPTOR_INTERAC	-0.06609280	260	2.511e-04	9.052e-02	HRH2:118 P2RY4:121 PTH2R:166 HRH4:199 HRH1:207 NPY2R:266
NIKOLSKY_BREAST_CANCER_16P13_AMPLICON	0.10405672	100	3.268e-04	1.116e-01	MMP25:58 HS3ST6:181 NDUFB10:196 PRSS27:240 HAGH:266 NPW:391
MEBARKI_HCC_PROGENITOR_FZD8CRD_UP	0.04518910	501	5.654e-04	1.834e-01	HASPIN:5 PLEKHG4:31 SH3GL3:119 CDC7:124 CKAP2L:127 CIT:129
MIKKELSEN_MEF_HCP_WITH_H3K27ME3	-0.04248905	555	6.595e-04	1.945e-01	RASGEF1C:12 SLC27A2:55 SLC6A20:59 HRH2:118 SPRN:132 PSD:197
REACTOME_TRANSPORT_OF_INORGANIC_CATIONS_	-0.09795797	102	6.356e-04	1.945e-01	SLC43A1:51 SLC6A20:59 SLC6A6:68 SLC25A18:124 SLC6A14:129 SLC4A1:381
NIKOLSKY_BREAST_CANCER_5P15_AMPLICON	-0.20822667	22	7.227e-04	1.993e-01	LPCAT1:117 LRRC14B:482 TPPP:1208 IRX4:1226 SLC9A3:1293 SLC12A7:1671
SCHAEFFER_PROSTATE_DEVELOPMENT_48HR_DN	-0.05086104	376	7.371e-04	1.993e-01	PER2:3 ENPP3:71 LYSDM2:73 GPRASP1:98 MMP16:144 AHR:169
DACOSTA_UV_RESPONSE_VIA_ERCC3_COMMON_DN	0.04629055	452	7.796e-04	2.023e-01	LRPPRC:9 FAT1:17 GOLGA4:26 USP13:27 ZFYVE9:52 FILIP1L:65
MOOTHA_VOXPPOS	0.11282403	72	9.374e-04	2.339e-01	ATP5PD:69 UQCRH:87 NDUFB7:97 ATP5PO:316 ATP5PB:335 NDUFB4:411
REACTOME_CELL_CYCLE	0.03865575	622	1.064e-03	2.556e-01	AHCTF1:15 MLH3:61 CENPT:70 AKAP9:96 CDC7:124 PSMB11:128
MARSON_BOUND_BY_E2F4_UNSTIMULATED	0.03723610	661	1.170e-03	2.711e-01	HASPIN:5 AHCTF1:15 ANKFY1:25 NEIL3:42 SPAG5:67 ATP5PD:69
GRESHOCK_CANCER_COPY_NUMBER_UP	0.05308983	312	1.299e-03	2.907e-01	BIRC3:18 BLM:213 ATF1:239 ARNT:244 NF1:255 DDX6:267
KEGG_HUNTINGTONS_DISEASE	0.07582335	149	1.418e-03	3.067e-01	DNAH2:38 ATP5PD:69 UQCRH:87 NDUFB7:97 NDUFB10:196 ATP5PO:316
VILLANUEVA_LIVER_CANCER_KRT19_UP	0.07308321	158	1.544e-03	3.106e-01	CDC7:124 CKAP2L:127 CEP135:142 MELK:175 BLM:213 ARID3A:290
RODRIGUES_THYROID_CARCINOMA_ANAPLASTIC_U	0.03703657	637	1.514e-03	3.106e-01	BRWD1:8 BIRC3:18 SYTL2:30 HPS3:32 GTPBP10:74 LCORL:113
HAMAI_APOPTOSIS_VIA_TRAIL_UP	0.03811858	595	1.580e-03	3.106e-01	N4BP2L2:7 ARMT1:14 AHCTF1:15 GOLGA4:26 CSPP1:44 NARS1:90
WP_PROXIMAL_TUBULE_TRANSPORT	-0.12831693	49	1.893e-03	3.611e-01	ATP6V0D2:52 SLC6A20:59 CA2:220 SLC22A6:247 ATP6V1B1:382 SLC1A1:495
REACTOME_SLC_TRANSPORTER_DISORDERS	-0.09428769	90	2.004e-03	3.714e-01	SLCO2A1:56 SLC6A20:59 SLC27A4:72 SLC6A14:129 NUP160:177 NUP210:273
REACTOME_TRANSPORT_OF_BILE_SALTS_AND_ORG	-0.09731370	82	2.330e-03	4.199e-01	SLC6A20:59 SLC6A6:68 SLC6A14:129 SLC30A10:133 SLC22A6:247 RHCG:260
REACTOME_PI3K_AKT_SIGNALING_IN_CANCER	0.08632113	102	2.611e-03	4.458e-01	CHUK:104 GAB1:183 KL:263 RPS6KB2:332 FGFR1:373 MLST8:375
REACTOME_TRIGLYCERIDE_METABOLISM	-0.14519593	36	2.576e-03	4.458e-01	MOGAT3:259 LPIN2:373 MOGAT2:719 FABP5:934 ABHD5:1195 DGAT2:1270
REACTOME_MITOCHONDRIAL_TRANSLATION	0.09058098	92	2.693e-03	4.479e-01	PTCD3:2 OXA1L:62 MRPS17:162 MRPL37:297 MRPS31:320 MTIF2:460
MIKKELSEN_NPC_HCP_WITH_H3K4ME3_AND_H3K27	-0.06149309	199	2.827e-03	4.586e-01	SLC30A10:133 PTGFRN:147 BAIAP2L1:162 PCDH8:366 GPR88:400 MAPK8IP2:402