# EnrichmentHsSymbolsFile2 Top pathways by non−permulation

| Geneset | stat | num.genes | pval | p.adj | gene.vals |
|---|---|---|---|---|---|
| REACTOME_RESPIRATORY_ELECTRON_TRANSPORT_ | 0.144344380 | 101 | 5.485e−07 | 3.559e−03 | LRPPRC:13 TMEM126B:52 ATP5PD:66 NDUFB7:96 COX20:99 UQCRH:105 |
| REACTOME_RESPIRATORY_ELECTRON_TRANSPORT | 0.143748872 | 81 | 7.833e−06 | 1.694e−02 | LRPPRC:13 TMEM126B:52 NDUFB7:96 COX20:99 UQCRH:105 SCO1:149 |
| WP_MITOCHONDRIAL_COMPLEX_I_ASSEMBLY_MODE | 0.191245599 | 47 | 5.767e−06 | 1.694e−02 | TMEM126B:52 DMAC1:92 NDUFB7:96 TIMMDC1:180 NDUFB10:235 TMEM70:359 |
| REACTOME_THE_CITRIC_ACID_TCA_CYCLE_AND_R | 0.102291819 | 149 | 1.675e−05 | 2.717e−02 | LRPPRC:13 TMEM126B:52 ATP5PD:66 NDUFB7:96 COX20:99 UQCRH:105 |
| WP_ELECTRON_TRANSPORT_CHAIN_OXPHOS_SYSTE | 0.141551237 | 75 | 2.275e−05 | 2.952e−02 | ATP5PD:66 NDUFB7:96 UQCRH:105 SCO1:149 NDUFB10:235 ATP5PB:310 |
| REACTOME_COMPLEX_I_BIOGENESIS | 0.168508452 | 48 | 5.396e−05 | 5.835e−02 | TMEM126B:52 NDUFB7:96 TIMMDC1:180 NDUFB10:235 NDUFB4:461 COA1:482 |
| WP_OXIDATIVE_PHOSPHORYLATION | 0.155286983 | 46 | 2.696e−04 | 2.499e−01 | ATP5PD:66 NDUFB7:96 NDUFB10:235 ATP5PB:310 ATP5PO:426 NDUFB4:461 |
| REACTOME_TRANSPORT_OF_SMALL_MOLECULES | −0.040602988 | 655 | 4.279e−04 | 3.470e−01 | ABCB4:8 TRPV6:11 ASIC3:16 SLC6A6:33 ATP6V0D2:37 SLC43A1:43 |
| NIKOLSKY_BREAST_CANCER_7P22_AMPLICON | −0.164512874 | 37 | 5.357e−04 | 3.862e−01 | FBXL18:61 TNRC18:103 BRAT1:155 SNX8:195 SUN1:312 TMEM184A:353 |
| REACTOME_SPERM_MOTILITY_AND_TAXES | 0.343443608 | 8 | 7.680e−04 | 4.983e−01 | CATSPERB:1 CATSPERG:46 CATSPER3:674 CATSPER4:885 HVCN1:1386 CATSPER2:1396 |
| BENPORATH_ES_WITH_H3K27ME3 | −0.031947048 | 964 | 8.787e−04 | 5.183e−01 | RASGEF1C:9 RGS9:17 LYSMD2:57 KCNC2:72 NAV2:79 SLC27A2:83 |
| FLORIO_NEOCORTEX_BASAL_RADIAL_GLIA_DN | 0.071225823 | 176 | 1.136e−03 | 5.701e−01 | SPAG5:107 C21orf62:125 CKAP2L:156 BLM:157 CENPU:230 MELK:238 |
| REACTOME_SLC_MEDIATED_TRANSMEMBRANE_TRAN | −0.061203127 | 237 | 1.201e−03 | 5.701e−01 | SLC6A6:33 SLC43A1:43 SLC27A4:51 SLC25A18:75 SLC6A20:88 SLCO2A1:104 |
| MOOTHA_VOXPHOS | 0.110978165 | 71 | 1.230e−03 | 5.701e−01 | ATP5PD:66 NDUFB7:96 UQCRH:105 ATP5PB:310 ATP5PO:426 NDUFB4:461 |
| MIKKELSEN_MEF_HCP_WITH_H3K27ME3 | −0.039611356 | 546 | 1.639e−03 | 7.089e−01 | RASGEF1C:9 SLC27A2:83 SLC6A20:88 SPRN:102 HRH1:120 DNAJC6:161 |
| SHARMA_ASTROCYTOMA_WITH_NF1_SYNDROM | 0.011424862 | 4 | 9.369e−01 | 9.955e−01 | ADGRV1:7725.5 MAP3K7CL:7725.5 CLEC3B:7725.5 SLC1A3:7725.5 NA NA |
| SOGA_COLORECTAL_CANCER_MYC_DN | −0.068553983 | 65 | 5.607e−02 | 9.955e−01 | SLCO2A1:104 ECI2:151 SLC30A10:183 ACSS2:190 SLC35D1:296 SLC30A4:355 |
| CORONEL_RFX7_DIRECT_TARGETS_UP | 0.049952234 | 38 | 2.867e−01 | 9.955e−01 | RFX5:204 TOB2:279 ATRX:549 EMC9:857 CCNG2:1194 DSE:1239 |
| FOROUTAN_TGFB_EMT_UP | −0.006613651 | 183 | 7.580e−01 | 9.955e−01 | SLCO2A1:104 SACS:112 HRH1:120 TMCC1:210 ZNF365:227 GRB10:373 |
| FOROUTAN_TGFB_EMT_DN | −0.009516466 | 94 | 7.500e−01 | 9.955e−01 | SLC27A2:83 NUP210:248 TBC1D8:290 SERPINB1:412 DEPTOR:425 TSPAN1:560 |
| FOROUTAN_PRODRANK_TGFB_EMT_UP | −0.005024976 | 176 | 8.184e−01 | 9.955e−01 | SLCO2A1:104 SACS:112 HRH1:120 TMCC1:210 ZNF365:227 GRB10:373 |
| FOROUTAN_PRODRANK_TGFB_EMT_DN | −0.003556605 | 74 | 9.158e−01 | 9.955e−01 | SLC27A2:83 NUP210:248 TBC1D8:290 SERPINB1:412 DEPTOR:425 LY6E:584 |
| FOROUTAN_INTEGRATED_TGFB_EMT_UP | −0.002372620 | 116 | 9.297e−01 | 9.955e−01 | SACS:112 ZNF365:227 NT5E:558 LOX:598 CDH2:716 CDK14:795 |
| FOROUTAN_INTEGRATED_TGFB_EMT_DN | −0.005012232 | 65 | 8.889e−01 | 9.955e−01 | SLC27A2:83 TBC1D8:290 SERPINB1:412 DEPTOR:425 TSPAN1:560 LY6E:584 |
| HOUNKPE_HOUSEKEEPING_GENES | −0.015568075 | 997 | 9.960e−02 | 9.955e−01 | EXOC2:6 JAK1:35 OSBP:69 SMAP1:84 EPN1:87 C1orf174:93 |
| IBRAHIM_NRF1_UP | −0.011296071 | 376 | 4.536e−01 | 9.955e−01 | KANSL3:22 TAF2:25 SLC6A6:33 JAK1:35 NFRKB:140 GTF3C3:149 |
| IBRAHIM_NRF2_UP | 0.008151498 | 474 | 5.450e−01 | 9.955e−01 | ARMT1:16 GOLGA4:51 ATMIN:56 MLH3:59 NARS1:102 RARS1:162 |
| IBRAHIM_NRF3_UP | 0.011425604 | 5 | 9.295e−01 | 9.955e−01 | HMOX1:7725.5 CMAS:7725.5 PSMD4:7725.5 RPN2:7725.5 GCLM:7725.5 NA |
| IBRAHIM_NRF2_DOWN | −0.009795758 | 140 | 6.894e−01 | 9.955e−01 | MAMDC4:133 LIG1:150 TOP3B:221 RASSF7:327 AMDHD2:339 IP6K2:476 |
| IBRAHIM_NRF3_DOWN | −0.020228661 | 15 | 7.862e−01 | 9.955e−01 | SMAP1:84 CCNJL:1526 PMM1:8062.5 CITED2:8062.5 H1−0:8062.5 NOG:8062.5 |
| SEAVEY_EPITHELIOID_HEMANGIOENDOTHELIOMA | 0.007724366 | 86 | 8.046e−01 | 9.955e−01 | PDE3A:325 WTIP:352 CUBN:486 STON1:561 FBLN7:702 ANKRD33:731 |
| BENITEZ_GBM_PROTEASOME_INHIBITION_RESPON | 0.022071105 | 42 | 6.207e−01 | 9.955e−01 | DVL2:211 FBXO7:973 INKA2:996 IREB2:1241 ASNS:7725.5 CCND1:7725.5 |
| BLANCO_MELO_SARS_COV_1_INFECTION_MCR5_CE | 0.103542569 | 9 | 2.821e−01 | 9.955e−01 | BRCA2:319 KIF20B:1015 SGO2:1611 CENPE:7725.5 ASPM:7725.5 ESM1:7725.5 |
| BLANCO_MELO_SARS_COV_1_INFECTION_MCR5_CE | 0.067718478 | 7 | 5.349e−01 | 9.955e−01 | CYTL1:1505 INHBB:7725.5 BMP4:7725.5 RGCC:7725.5 FGFR4:7725.5 RASL12:7725.5 |
| BLANCO_MELO_MERS_COV_INFECTION_MCR5_CELL | −0.008577801 | 219 | 6.624e−01 | 9.955e−01 | FHDC1:27 GPRASP1:121 DUSP8:165 SSUH2:240 SYT16:280 NEB:317 |
| BLANCO_MELO_MERS_COV_INFECTION_MCR5_CELL | 0.090618183 | 27 | 1.032e−01 | 9.955e−01 | CFD:97 TMEM176A:708 SCN7A:965 PDGFD:966 A1BG:1075 CHI3L1:1117 |
| BLANCO_MELO_INFLUENZA_A_INFECTION_A594_C | −0.046113920 | 32 | 3.667e−01 | 9.955e−01 | PLAUR:408 DHX58:538 IDI1:638 PYGM:678 STC1:1049 FGFBP1:2001 |
| BLANCO_MELO_INFLUENZA_A_INFECTION_A594_C | −0.030802605 | 97 | 2.948e−01 | 9.955e−01 | MZF1:41 BAX:129 FAM171A2:271 SPATA2L:541 CACFD1:719 TSR2:776 |
| BLANCO_MELO_HUMAN_PARAINFLUENZA_VIRUS_3_ | −0.022356574 | 153 | 3.405e−01 | 9.955e−01 | TRANK1:28 CD38:232 PLAUR:408 CCBE1:426 EPSTI1:432 DHX58:538 |
| BLANCO_MELO_HUMAN_PARAINFLUENZA_VIRUS_3_ | 0.008957982 | 94 | 7.642e−01 | 9.955e−01 | SERPINA6:128 SERPINF2:165 HS3ST6:193 WDR97:214 NPW:457 ADH6:544 |