

EnrichmentHsSymbolsFile2 Top pathways by permulation

| Geneset | stat | num.genes | pval | p.adj | gene.vals |
|--|------------|-----------|-----------|-----------|---|
| REACTOME_CHYLOMICRON_CLEARANCE | -0.4270646 | 5 | 9.417e-04 | 7.207e-01 | APOB:107 APOE:246 LDLR:1315 LIPC:1642 LDLRAP1:2603 NA |
| REACTOME_EICOSANOIDS | -0.3748340 | 4 | 9.417e-03 | 9.378e-01 | TBXAS1:1054 CYP8B1:1278 CYP4B1:2853 PTGIS:2929 NA NA |
| REACTOME_BETA_OXIDATION_OF_DECANOYL_COA_ | -0.3640254 | 6 | 2.014e-03 | 7.730e-01 | HADH:66 ACADM:388 MECR:2183 ECHS1:2401 HADHA:2626 HADHB:5554 |
| REACTOME_BETA_OXIDATION_OF_OCTANOYL_COA_ | -0.3637663 | 5 | 4.845e-03 | 7.730e-01 | HADH:66 ACADM:388 ECHS1:2401 HADHA:2626 HADHB:5554 NA |
| REACTOME_ALPHA_DEFENSINS | -0.3598466 | 3 | 3.087e-02 | 9.398e-01 | ART1:1786 CD4:2248 PRSS3:2772 NA NA NA |
| IBRAHIM_NRF3_UP | -0.3402808 | 5 | 8.406e-03 | 9.378e-01 | RPN2:1382 CMAS:1464 PSMD4:1875 HMOX1:3572 GCLM:4655 NA |
| BAFNA_MUC4_TARGETS_UP | -0.3296240 | 3 | 4.799e-02 | 9.398e-01 | NEK6:275 AVPR2:2798 SNAI1:5209 NA NA NA |
| WP_PILOCYTIC_ASTROCYTOMA | 0.3220873 | 6 | 6.288e-03 | 8.868e-01 | NF1:522 PTPN11:1349 BRAF:2370 GRB2:4051 SOS1:4070 RAF1:4951 |
| MCCOLLUM_GELDANAMYCIN_RESISTANCE_UP | -0.3179774 | 9 | 9.550e-04 | 7.207e-01 | FOXN3:339 SMPD1:717 CDH11:879 PMCH:1639 SLC16A7:1851 SULF2:2927 |
| REACTOME_BETA_OXIDATION_OF_LAUROYL_COA_T | -0.3153029 | 5 | 1.461e-02 | 9.398e-01 | HADH:66 ECHS1:2401 HADHA:2626 ACADL:4315 HADHB:5554 NA |
| WP_EFFECT_OF_INTESTINAL_MICROBIOME_ON_AN | 0.3106366 | 7 | 4.423e-03 | 7.730e-01 | NR1I2:886 VDR:1275 PPARA:2537 NPC1L1:3800 PPARD:4081 CD36:4307 |
| REACTOME_ATOMASTATIN_ADME | 0.2876818 | 5 | 2.588e-02 | 9.398e-01 | ABCB1:3 PON3:1308 SLCO1B1:2894 PON1:6359 SLCO2B1:6659 NA |
| BIOCARTA_NPP1_PATHWAY | -0.2865456 | 10 | 1.702e-03 | 7.730e-01 | SPP1:566 ALPL:661 COL4A2:1158 COL4A4:2014 ENPP1:2036 COL4A5:2383 |
| SCHAEFFER_PROSTATE_DEVELOPMENT_AND_CANCE | 0.2848615 | 5 | 2.738e-02 | 9.398e-01 | ZNF22:1342 SOX9:1459 CDC27:2525 PDIA4:2882 IGF1R:9251 NA |
| REACTOME_PREDNISONE_ADME | 0.2820033 | 5 | 2.896e-02 | 9.398e-01 | ABCB1:3 ALB:64 HSD11B1:605 SERPINA6:7506 HSD11B2:9492 NA |
| MIZUKAMI_HYPOXIA_DN | -0.2779689 | 5 | 3.134e-02 | 9.398e-01 | PDGFB:529 LRP1:745 CXCL8:3229 FGF2:5431 CXCR1:8060 NA |
| WP_ALTERNATIVE_PATHWAY_OF_FETAL_ANDROGEN | 0.2770188 | 9 | 4.003e-03 | 7.730e-01 | HSD17B6:150 POR:1825 HSD17B3:2212 CYB5A:2320 CYP17A1:2556 STAR:2615 |
| MIKKELSEN_IPS_LCP_WITH_H3K4ME3_AND_H3K27 | -0.2757051 | 5 | 3.274e-02 | 9.398e-01 | CDH7:184 SLC16A8:1899 PPP1R26:3927 FUT7:5732 SLC17A7:6436 NA |
| REACTOME_CA2_ACTIVATED_K_CHANNELS | 0.2732905 | 9 | 4.522e-03 | 7.730e-01 | KCNN3:174 KCNN2:612.5 KCNMB1:1064 KCNN1:1408 KCNN4:2896 KCNMB4:5762 |
| DONATO_CELL_CYCLE_TRETINOIN | -0.2726870 | 6 | 2.071e-02 | 9.398e-01 | SKAP2:1849 ABI1:2513 BTG2:3242 TOB1:3862 ATR:5148 MNT:5488 |
| REACTOME_LEUKOTRIENE_RECEPTORS | 0.2680283 | 5 | 3.792e-02 | 9.398e-01 | CYSLTR2:305 LTB4R:1121 LTB4R2:2034 GPR17:7159 CYSLTR1:8200 NA |
| REACTOME_TERMINAL_PATHWAY_OF_COMPLEMENT | -0.2638915 | 6 | 2.518e-02 | 9.398e-01 | C8B:98 C6:433 C5:2207 C8G:2879 C8A:8519.5 CLU:8826 |
| REACTOME_REGULATION_OF_NPAS4_GENE_TRANSC | -0.2629308 | 4 | 6.855e-02 | 9.398e-01 | NR3C1:1336 SRF:1407 KCNIP3:3221 NPAS4:9404 NA NA |
| WILSON_PROTEASES_AT_TUMOR_BONE_INTERFACE | -0.2599469 | 5 | 4.410e-02 | 9.398e-01 | SERPINI2:94 CTSH:3812 CTSB:4590 CTSE:4790 ADAMTS7:6163 NA |
| BYSTRYKH_HEMATOPOIESIS_STEM_CELL_FGF3 | -0.2568035 | 6 | 2.936e-02 | 9.398e-01 | EFNB1:30 SH3RF1:34 EFNB3:1512 PKNOX1:4813 POU5F1:7550 MAP2K6:9715 |
| GALI_TP53_TARGETS_APOPTOTIC_UP | 0.2560171 | 7 | 1.898e-02 | 9.398e-01 | BAX:4 GADD45A:1024 CASP8:1109 BIRC3:1804 BIRC2:6062 CD40:6618 |
| IGARASHI_ATF4_TARGETS_UP | -0.2531141 | 4 | 7.954e-02 | 9.398e-01 | ITFG2:676 PDP1:4113 SFXN4:4437 ASB4:6782 NA NA |
| BIOCARTA_RAN_PATHWAY | -0.2476446 | 4 | 8.626e-02 | 9.430e-01 | RCC1:17 RANGAP1:1865 RAN:5397 RANBP1:9078 NA NA |
| IKEDA_MIR1_TARGETS_DN | -0.2472354 | 7 | 2.349e-02 | 9.398e-01 | CLCN3:1378 SMIM36:1628 EIF4E:1999 STK39:2773 MTSS1:3162 HSPD1:6532 |
| BERENJENO_TRANSFORMED_BY_RHOA_REVERSIBLY | -0.2448934 | 6 | 3.775e-02 | 9.398e-01 | PIK3R1:270 DNM1:997 SQSTM1:4525 TNFRSF1B:4594 DAP:5978 MGST3:8442 |
| BIOCARTA_NEUTROPHIL_PATHWAY | -0.2443868 | 8 | 1.667e-02 | 9.398e-01 | ITGB2:129 ICAM1:807 ITGAL:1308 ITGAM:1860 CD44:3352 SELL:5686 |
| SAMOLS_TARGETS_OF_KHSV_MIRNAS_UP | -0.2442821 | 6 | 3.823e-02 | 9.398e-01 | CDH11:879 GALNT3:1721 SLC31A1:3765 COCH:4031 GAL:4887 AK3:9584 |
| LIU_CDX2_TARGETS_DN | 0.2436449 | 5 | 5.917e-02 | 9.398e-01 | KRT14:905 KRT15:920 KRT19:2546 SOX2:2674 HES1:13763 NA |
| REACTOME_COBALAMIN_CBL_METABOLISM | -0.2434498 | 7 | 2.570e-02 | 9.398e-01 | MTR:656 MTRR:1163 MMADHC:1825 MMAA:2716 MMAB:4723 MMACHC:5597 |
| REACTOME_SYNTHESIS_OF_5_EICOSATETRAENOIC | 0.2427929 | 9 | 1.166e-02 | 9.378e-01 | PON2:463 PON3:1308 GPX1:1447 GPX2:1556 ALOX5:2324 ALOX5AP:2391 |
| MIKHAYLOVA_OXIDATIVE_STRESS_RESPONSE_VIA | 0.2427749 | 6 | 3.944e-02 | 9.398e-01 | PGAM1:165 CALU:1887 HSPB1:3062 CTSD:3746 AKR1B1:6329 OAT:9840 |
| BIOCARTA_SLRP_PATHWAY | -0.2420635 | 6 | 4.002e-02 | 9.398e-01 | EPYC:92.5 BGN:748 KERA:1213 LUM:6609 FMOD:6666 DCN:9760 |
| REACTOME_BETA_OXIDATION_OF_HEXANOYL_COA_ | -0.2415328 | 5 | 6.141e-02 | 9.398e-01 | HADH:66 ECHS1:2401 HADHA:2626 HADHB:5554 ACADS:10292 NA |
| WP_SCFA_AND_SKELETAL_MUSCLE_SUBSTRATE_ME | 0.2409621 | 6 | 4.094e-02 | 9.398e-01 | SLC2A4:160 GCG:299 FFAR2:2149 PPARD:4081 FFAR3:6844 PYY:11669 |
| REACTOME_ARYL_HYDROCARBON_RECEPTOR_SIGNA | 0.2406143 | 6 | 4.123e-02 | 9.398e-01 | AHR:86 PTGES3:1634 ARNT:3459 AIP:3798 ARNT2:4740 HSP90AB1:11524 |