EnrichmentHsSymbolsFile2 Top pathways by permulation

Geneset	stat	num.genes	pval	p.adj	gene.vals
DIAZ_CHRONIC_MYELOGENOUS_LEUKEMIA_UP	−0.05987105	1101	3.658e−11	2.372e−07	SAV1:2 IQGAP2:7 COMT:10 CCT6A:20 HADHB:24 TBCB:25
SCHLOSSER_SERUM_RESPONSE_DN	−0.07905333	542	3.952e−10	8.542e−07	CMTR1:4 NAGPA:12 EPB42:42 CD2AP:69 LRP1:91 CDK7:118
DODD_NASOPHARYNGEAL_CARCINOMA_UP	0.05090702	1409	3.131e−10	8.542e−07	CEP19:2 MARCHF4:4 FNDC11:8 DNAH11:19 ANKRD35:26 DNAI2:36
PUJANA_BRCA1_PCC_NETWORK	−0.05260838	1222	1.072e−09	1.738e−06	SLC14A2:1 CARM1:18 CCT6A:20 SLC6A6:53 NUP62:63 CD2AP:69
STARK_HYPPOCAMPUS_22Q11_DELETION_DN	−0.38364159	20	2.866e−09	3.098e−06	PRODH:8 COMT:10 ARVCF:32 TRMT2A:62 RTN4R:102 TANGO2:251
JOHNSTONE_PARVB_TARGETS_3_DN	−0.06812868	667	2.613e−09	3.098e−06	MIS18BP1:29 SLC6A6:53 ATG3:59 CENPE:74 BUB1:76 WDHD1:88
DACOSTA_UV_RESPONSE_VIA_ERCC3_DN	−0.06289883	735	8.587e−09	7.748e−06	WDFY3:17 CD2AP:69 CENPE:74 WDHD1:88 MGLL:99 GINS1:105
BUYTAERT_PHOTODYNAMIC_THERAPY_STRESS_UP	−0.06524128	676	9.558e−09	7.748e−06	WDFY3:17 KDM4B:21 DNAJB4:52 SLC6A6:53 GTF2IRD1:54 ARPP19:66
RODRIGUES_THYROID_CARCINOMA_ANAPLASTIC_U	−0.07044644	570	1.121e−08	8.078e−06	SPIRE1:6 CCT6A:20 MCOLN3:23 ELOVL6:55 CENPE:74 WDHD1:88
ZHANG_BREAST_CANCER_PROGENITORS_UP	−0.08766323	357	1.453e−08	8.564e−06	MIS18BP1:29 CNOT6:58 RIDA:65 ARPP19:66 CD2AP:69 BUB1:76
WP_22Q112_COPY_NUMBER_VARIATION_SYNDROME	−0.16862472	95	1.389e−08	8.564e−06	PRODH:8 COMT:10 ARVCF:32 TRMT2A:62 SLC7A4:87 RTN4R:102
RODRIGUES_THYROID_CARCINOMA_POORLY_DIFFE	−0.07163072	521	2.670e−08	1.443e−05	SPIRE1:6 CCT6A:20 ADAM9:47 ELOVL6:55 WDHD1:88 CUL4B:96
NIKOLSKY_BREAST_CANCER_12Q24_AMPLICON	0.40594170	15	5.230e−08	2.609e−05	NOC4L:116 GALNT9:313 POLE:580 SFSWAP:595 ULK1:660 CHFR:712
SENGUPTA_NASOPHARYNGEAL_CARCINOMA_DN	0.09500764	273	7.177e−08	3.324e−05	ANKRD35:26 DNAI2:36 TOGARAM2:73 CCDC81:130 IFT172:131 CFAP45:132
DACOSTA_UV_RESPONSE_VIA_ERCC3_COMMON_DN	−0.07740417	400	1.232e−07	5.327e−05	CD2AP:69 CENPE:74 MGLL:99 GINS1:105 EHBP1:109 WAPL:123
DAZARD_RESPONSE_TO_UV_NHEK_DN	−0.09530322	258	1.475e−07	5.978e−05	WDFY3:17 WDHD1:88 WAPL:123 DST:188 MTCL1:190 CASP8:191
HSIAO_LIVER_SPECIFIC_GENES	−0.10049184	196	1.294e−06	4.937e−04	TM4SF4:16 TAT:33 SLC38A3:38 ITIH2:49 RIDA:65 ALB:80
FLECHNER_BIOPSY_KIDNEY_TRANSPLANT_OK_VS_	−0.06969136	409	1.484e−06	5.345e−04	COMT:10 WDFY3:17 TBCB:25 CD2AP:69 CLU:114 ACOT13:140
DODD_NASOPHARYNGEAL_CARCINOMA_DN	−0.04315541	1082	2.225e−06	7.596e−04	CCT6A:20 NUP62:63 RIDA:65 ARPP19:66 CENPE:74 BUB1:76
NIKOLSKY_BREAST_CANCER_1Q21_AMPLICON	0.24114948	32	2.356e−06	7.639e−04	TRIM46:71 SCAMP3:152 HCN3:311 TDRKH:323 FLAD1:538 THBS3:1093
HAMAI_APOPTOSIS_VIA_TRAIL_UP	−0.05868001	556	2.590e−06	7.998e−04	IQGAP2:7 MIS18BP1:29 ADAM9:47 ZNF654:61 CENPE:74 WDHD1:88
ENK_UV_RESPONSE_KERATINOCYTE_DN	−0.06929358	392	2.756e−06	8.123e−04	CD2AP:69 BCAT2:101 RXYLT1:108 RARS1:166 PFKM:194 IMPA1:208
HOUNKPE_HOUSEKEEPING_GENES	−0.04844210	821	2.996e−06	8.447e−04	SAV1:2 CMTR1:4 COMT:10 KDM4B:21 TBCB:25 ATG3:59
OSMAN_BLADDER_CANCER_UP	−0.07550291	320	3.708e−06	9.945e−04	PTGER2:137 ATP11B:139 G2E3:186 KBTBD6:240 APPL1:310 FAM107B:320
SENESE_HDAC3_TARGETS_UP	−0.06932856	380	3.834e−06	9.945e−04	SAV1:2 SPIRE1:6 IQGAP2:7 PTPRB:34 SLC6A6:53 CUL4B:96
DEURIG_T_CELL_PROLYMPHOCYTIC_LEUKEMIA_DN	−0.08440465	243	6.194e−06	1.545e−03	KLHL2:97 ADGRG1:170 ABCB1:209 HEG1:261 SFI1:315 PTPRM:353
REACTOME_METABOLISM_OF_LIPIDS	−0.05190881	647	7.773e−06	1.867e−03	CYP11A1:14 CARM1:18 HADHB:24 ME1:37 GBA2:45 ELOVL6:55
REACTOME_METABOLISM_OF_AMINO_ACIDS_AND_D	−0.07699113	283	8.876e−06	2.056e−03	PRODH:8 TAT:33 RIDA:65 NAGS:77 BCAT2:101 ARG1:125
IBRAHIM_NRF2_UP	−0.06153676	438	1.114e−05	2.491e−03	CCT6A:20 ME1:37 DNAJB4:52 MTMR12:64 FTH1:89 RXYLT1:108
REACTOME_CLASS_A_1_RHODOPSIN_LIKE_RECEPT	0.07394779	295	1.331e−05	2.877e−03	PROKR1:17 RXFP3:35 GNRH1:106 DRD2:170 ADRB3:200 GPR37:226
NIKOLSKY_BREAST_CANCER_20Q12_Q13_AMPLICO	0.11559790	118	1.476e−05	2.992e−03	FNDC11:8 PTK6:122 CHRNA4:143 ABHD16B:249 CASS4:467 TCFL5:540
SHEDDEN_LUNG_CANCER_POOR_SURVIVAL_A6	−0.06650115	363	1.464e−05	2.992e−03	ELOVL6:55 NUP62:63 ARPP19:66 CENPE:74 BUB1:76 WDHD1:88
MITSIADES_RESPONSE_TO_APLIDIN_DN	−0.08721012	207	1.592e−05	3.129e−03	BUB1:76 GINS1:105 EIF2AK2:183 AHCY:195 ATP13A3:210 SUGP2:233
IVANOVA_HEMATOPOIESIS_MATURE_CELL	−0.07987326	245	1.753e−05	3.343e−03	CMTR1:4 TM4SF4:16 SLC4A1:27 RHAG:75 PGLYRP1:83 SPTB:85
MILI_PSEUDOPODIA_HAPTOTAXIS_UP	−0.06336575	390	1.898e−05	3.420e−03	DNAJB4:52 ARPP19:66 CD2AP:69 BUB1:76 CUL4B:96 CISD1:164
CREIGHTON_ENDOCRINE_THERAPY_RESISTANCE_2	0.06444975	377	1.881e−05	3.420e−03	CEP19:2 DZIP1:6 DNAH11:19 TOGARAM2:73 CFAP45:132 CEP41:138
WP_METHIONINE_METABOLISM_LEADING_TO_SULF	−0.36689445	11	2.514e−05	4.406e−03	BHMT:153 AHCY:195 CSAD:494 CBS:621 MAT1A:666 GNMT:868
SHEN_SMARCA2_TARGETS_UP	−0.06604083	335	3.491e−05	5.958e−03	WDFY3:17 ATG3:59 CUL4B:96 EIF2AK2:183 RAB23:238 VPS13C:364
KEGG_ARRHYTHMOGENIC_RIGHT_VENTRICULAR_CA	0.14689327	66	3.716e−05	6.025e−03	CACNG4:85 EMD:104 DMD:228 CACNA2D3:346 ITGA3:358 ACTN1:405
WP_ARRHYTHMOGENIC_RIGHT_VENTRICULAR_CARD	0.14689327	66	3.716e−05	6.025e−03	CACNG4:85 EMD:104 DMD:228 CACNA2D3:346 ITGA3:358 ACTN1:405