EnrichmentHsSymbolsFile2 Top pathways by non−permulation

Geneset	stat	num.genes	pval	p.adj	gene.vals
DODD_NASOPHARYNGEAL_CARCINOMA_UP	0.04865634	1463	8.213e−10	5.328e−06	DNAH2:1 DNAH9:5 ANKRD35:6 SIK3:12 CARD14:20 CFAP45:25
WP_GPCRS_CLASS_A_RHODOPSINLIKE	0.11697118	208	6.434e−09	2.087e−05	BDKRB1:16 NPBWR2:100 MTNR1B:130 SSTR4:173 PTAFR:318 GPR68:347
NIKOLSKY_BREAST_CANCER_20Q12_Q13_AMPLICO	0.13902808	128	5.748e−08	1.180e−04	HELZ2:90 FNDC11:99 NPBWR2:100 COL20A1:155 FAM217B:166 RTEL1:223
JOHNSTONE_PARVB_TARGETS_3_DN	−0.05673816	790	7.278e−08	1.180e−04	MTBP:3 MAN2A1:5 QSER1:10 SLC6A6:51 SMCHD1:52 RBL1:78
NIKOLSKY_BREAST_CANCER_1Q21_AMPLICON	0.25526664	34	2.599e−07	3.373e−04	PBXIP1:35 DCST1:63 THBS3:220 ZBTB7B:275 RUSC1:312 PMVK:491
PUJANA_BRCA1_PCC_NETWORK	−0.03974413	1501	3.896e−07	4.213e−04	TMEM131L:2 FNBP4:8 SLC16A5:25 SLC6A6:51 HIRA:62 RBL1:78
ZHANG_BREAST_CANCER_PROGENITORS_UP	−0.07016918	415	1.028e−06	6.950e−04	PROM1:1 SMCHD1:52 CTH:53 CEP192:59 TTC3:65 MAP7D2:72
REACTOME_CLASS_A_1_RHODOPSIN_LIKE_RECEPT	0.08276707	295	1.071e−06	6.950e−04	BDKRB1:16 TACR2:18 NPBWR2:100 GPR132:118 MTNR1B:130 SSTR4:173
RODRIGUES_THYROID_CARCINOMA_POORLY_DIFFE	−0.05949181	598	7.689e−07	6.950e−04	ADAM9:39 RBL1:78 SPDL1:86 WDR76:116 HLTF:133 RHOBTB3:186
SCHLOSSER_SERUM_RESPONSE_DN	−0.05672426	646	1.004e−06	6.950e−04	UBR2:14 ASMTL:27 PJA2:47 CTH:53 PARG:98 ICAM2:101
DODD_NASOPHARYNGEAL_CARCINOMA_DN	−0.04093223	1244	1.588e−06	9.364e−04	QSER1:10 FGD6:43 CEP192:59 RBL1:78 SPDL1:86 CD80:109
REACTOME_SIGNALING_BY_GPCR	0.05593227	631	1.854e−06	1.003e−03	BDKRB1:16 TACR2:18 ARHGEF11:24 ARHGEF12:32 CAMK2B:37 PIK3R5:95
WP_22Q112_COPY_NUMBER_VARIATION_SYNDROME	−0.12640769	112	3.883e−06	1.938e−03	SLC7A4:50 CLTCL1:55 HIRA:62 CYP26C1:102 DGCR2:211 DEPDC5:224
REACTOME_RNA_POLYMERASE_II_TRANSCRIPTION	−0.04250066	1026	5.118e−06	2.372e−03	ELL:9 ZNF446:28 GATAD2A:74 MGA:76 RBL1:78 TAF2:87
NIKOLSKY_BREAST_CANCER_21Q22_AMPLICON	0.33717555	14	1.253e−05	5.418e−03	COL6A1:61 PCNT:325 DIP2A:374 SPATC1L:544 COL6A2:937 MCM3AP:978
MILI_PSEUDOPODIA_HAPTOTAXIS_UP	−0.05540040	490	2.895e−05	9.574e−03	PJA2:47 SMCHD1:52 CDV3:158 LTN1:250 DPP8:282 ARPP19:302
REACTOME_G_ALPHA_Q_SIGNALLING_EVENTS	0.08679044	197	2.749e−05	9.574e−03	BDKRB1:16 TACR2:18 GPR132:118 MMP3:226 PTAFR:318 GPR68:347
REACTOME_KERATINIZATION	0.13115066	85	2.951e−05	9.574e−03	EVPL:42 KRT80:59 KRT20:102 KRT4:148 DSC3:180 TGM1:199
REACTOME_FORMATION_OF_THE_CORNIFIED_ENVE	0.13836075	78	2.417e−05	9.574e−03	EVPL:42 KRT80:59 KRT20:102 KRT4:148 DSC3:180 TGM1:199
REACTOME_METABOLISM_OF_AMINO_ACIDS_AND_D	−0.06493504	357	2.649e−05	9.574e−03	PRODH2:18 SDS:30 CTH:53 DHTKD1:121 AGXT:136 AZIN1:140
STARK_HYPPOCAMPUS_22Q11_DELETION_DN	−0.25464896	22	3.557e−05	1.099e−02	HIRA:62 DGCR2:211 TANGO2:277 ARVCF:390 DGCR8:430 PRODH:607
FISCHER_DREAM_TARGETS	−0.04052402	882	5.104e−05	1.505e−02	MTBP:3 FNBP4:8 ZNF518A:40 SMCHD1:52 CEP192:59 HAUS8:68
HAMAI_APOPTOSIS_VIA_TRAIL_UP	−0.04828799	595	6.267e−05	1.768e−02	QSER1:10 HAS2:29 ADAM9:39 PJA2:47 SMCHD1:52 CEP192:59
CREIGHTON_ENDOCRINE_THERAPY_RESISTANCE_2	0.05832990	398	6.896e−05	1.864e−02	CFAP45:25 PTPN22:50 CFAP46:83 C7orf57:88 ZHX3:98 DRC3:144
DIAZ_CHRONIC_MYELOGENOUS_LEUKEMIA_UP	−0.03275112	1338	7.184e−05	1.864e−02	MAN2A1:5 PPP4R1:12 ASMTL:27 CTH:53 HIRA:62 TAF2:87
MARTENS_TRETINOIN_RESPONSE_UP	0.04424366	676	9.679e−05	2.415e−02	CARD14:20 SMTNL2:38 GGT6:56 COL6A1:61 PIK3R5:95 ANKK1:106
NIKOLSKY_BREAST_CANCER_16Q24_AMPLICON	0.16237164	46	1.394e−04	3.164e−02	PIEZO1:22 CTU2:572 ANKRD11:602 GAS8:674 CBFA2T3:838 CPNE7:943
REACTOME_MUSCLE_CONTRACTION	0.08018808	190	1.414e−04	3.164e−02	CAMK2B:37 DMD:86 CASQ1:108 MYH8:146 SLC8A3:171 ATP1A4:189
SHEDDEN_LUNG_CANCER_POOR_SURVIVAL_A6	−0.05406198	427	1.351e−04	3.164e−02	QSER1:10 RBL1:78 WDR76:116 TPX2:161 VEGFA:216 CDC45:279
KEGG_STEROID_HORMONE_BIOSYNTHESIS	−0.20547611	28	1.679e−04	3.631e−02	HSD17B6:77 HSD11B1:167 SULT1E1:230 HSD17B2:466 CYP17A1:499 CYP11A1:608
KINSEY_TARGETS_OF_EWSR1_FLII_FUSION_UP	−0.03232678	1201	1.913e−04	3.956e−02	PROM1:1 GYG2:44 CTH:53 HAUS8:68 MAP7D2:72 SPDL1:86
RODRIGUES_THYROID_CARCINOMA_ANAPLASTIC_U	−0.04349600	637	1.951e−04	3.956e−02	QSER1:10 TTC3:65 RLF:81 TPX2:161 ANAPC1:163 ATP13A3:173
REACTOME_GPCR_LIGAND_BINDING	0.05343416	398	2.666e−04	4.941e−02	BDKRB1:16 TACR2:18 NPBWR2:100 GPR132:118 MTNR1B:130 SSTR4:173
REACTOME_POST_TRANSLATIONAL_PROTEIN_MODI	−0.03052690	1298	2.625e−04	4.941e−02	MAN2A1:5 ALB:20 DCAF4:31 ANO8:80 KTN1:128 HLTF:133
FLECHNER_BIOPSY_KIDNEY_TRANSPLANT_OK_VS_	−0.04753086	509	2.580e−04	4.941e−02	PJA2:47 PARG:98 VCAM1:125 HLTF:133 AZIN1:140 N4BP1:159
BENPORATH_SOX2_TARGETS	−0.04096629	685	2.806e−04	5.057e−02	ABHD11:7 HAS2:29 CTH:53 ANO8:80 PARG:98 CDK12:117
HOUNKPE_HOUSEKEEPING_GENES	−0.03293887	1083	2.903e−04	5.090e−02	ELL:9 MORC2:84 KXD1:99 KDM4B:174 RNF216:178 SLC35E1:214
ALONSO_METASTASIS_UP	−0.07688606	179	3.956e−04	6.021e−02	MDM2:283 MAL:303 MAP4K3:334 KLF10:379 EXOC2:486 FGG:488
BUYTAERT_PHOTODYNAMIC_THERAPY_STRESS_UP	−0.03821878	751	3.990e−04	6.021e−02	FNBP4:8 ELL:9 UBR2:14 BTN3A3:23 ZNF16:32 FGD6:43
HSIAO_LIVER_SPECIFIC_GENES	−0.07258776	201	3.970e−04	6.021e−02	ALB:20 SDS:30 MGST1:54 AGXT:136 HSD11B1:167 ATP13A3:173