EnrichmentHsSymbolsFile2 Top pathways by non−permulation

Geneset	stat	num.genes	pval	p.adj	gene.vals
MIKKELSEN_MEF_HCP_WITH_H3K27ME3	−0.09301802	555	8.918e−14	2.893e−10	CSMD1:23 RYR2:32 UGT8:36 PCNX2:40 KCNQ3:69 IKZF1:76
KEGG_NEUROACTIVE_LIGAND_RECEPTOR_INTERAC	−0.13514559	259	7.904e−14	2.893e−10	VIPR2:58 VIPR1:62 GRM2:88 HTR1B:114 HRH2:118 GABRR1:123
REACTOME_NEURONAL_SYSTEM	−0.10806347	385	4.027e−13	8.709e−10	PPFIA4:15 ADCY1:53 KCNQ3:69 APBA2:85 KCNV1:90 KCNF1:98
BENPORATH_ES_WITH_H3K27ME3	−0.06539734	983	6.091e−12	9.879e−09	LMOD1:20 CSMD1:23 SYT6:45 BRINP3:66 KCNQ3:69 HSF4:70
REACTOME_SIGNALING_BY_GPCR	−0.07888953	629	1.874e−11	2.432e−08	ADCY1:53 GPR37L1:54 VIPR2:58 VIPR1:62 GRM2:88 HTR1B:114
NIKOLSKY_BREAST_CANCER_16P13_AMPLICON	0.19077763	100	4.472e−11	4.836e−08	PGAP6:197 SPSB3:489 ZNF213:564 PRSS27:587 DECR2:649 WDR24:837
REACTOME_GPCR_LIGAND_BINDING	−0.08938534	396	1.175e−09	1.089e−06	GPR37L1:54 VIPR2:58 VIPR1:62 GRM2:88 HTR1B:114 HRH2:118
MEISSNER_NPC_HCP_WITH_H3K4ME2_AND_H3K27M	−0.09588533	331	2.244e−09	1.820e−06	RYR2:32 VIPR1:62 ZNF536:136 PTGFRN:140 BNC1:181 KCNK1:187
BENPORATH_SUZ12_TARGETS	−0.05813332	918	3.200e−09	2.307e−06	CYP4X1:12 CSMD1:23 SYT6:45 VIPR2:58 BRINP3:66 KCNQ3:69
NIKOLSKY_BREAST_CANCER_7P22_AMPLICON	−0.27105765	38	7.424e−09	4.491e−06	CHST12:160 ADAP1:380 INTS1:436 SUN1:487 TMEM184A:758 TTYH3:850
REACTOME_CLASS_A_1_RHODOPSIN_LIKE_RECEPT	−0.09818012	294	7.614e−09	4.491e−06	GPR37L1:54 HTR1B:114 HRH2:118 PLPPR4:128 TAC1:150 S1PR1:222
REACTOME_POTASSIUM_CHANNELS	−0.17178428	91	1.513e−08	7.550e−06	KCNQ3:69 KCNV1:90 KCNF1:98 KCNJ14:149 KCNA10:185 KCNK1:187
WP_MITOCHONDRIAL_COMPLEX_I_ASSEMBLY_MODE	0.23914035	47	1.423e−08	7.550e−06	ECSIT:52 COA1:124 TIMMDC1:438 DMAC2:510 TMEM126B:644 TMEM186:753
WP_GPCRS_CLASS_A_RHODOPSINLIKE	−0.11406410	206	1.763e−08	8.168e−06	GPR37L1:54 HTR1B:114 HRH2:118 OPN3:250 GPR17:279 CHRM1:287
MIKKELSEN_MCV6_HCP_WITH_H3K27ME3	−0.07791280	419	5.021e−08	2.172e−05	PCNX2:40 SYT6:45 KCNQ3:69 HS3ST2:133 SLC35F3:144 CLMP:208
REACTOME_COMPLEX_I_BIOGENESIS	0.22501657	48	6.968e−08	2.825e−05	ECSIT:52 COA1:124 TIMMDC1:438 NDUFA9:570 TMEM126B:644 TMEM186:753
REACTOME_VOLTAGE_GATED_POTASSIUM_CHANNEL	−0.23936212	42	8.035e−08	3.067e−05	KCNQ3:69 KCNV1:90 KCNF1:98 KCNA10:185 KCNA4:216 KCNAB1:236
REACTOME_G_ALPHA_I_SIGNALLING_EVENTS	−0.09487304	269	9.097e−08	3.279e−05	ADCY1:53 GPR37L1:54 GRM2:88 HTR1B:114 ITPR1:186 OPN3:250
KIM_ALL_DISORDERS_CALB1_CORR_UP	−0.06759978	528	1.224e−07	4.181e−05	CAMSAP2:21 RYR2:32 DOCK4:35 SORL1:47 CHL1:57 VIPR1:62
REACTOME_MUSCLE_CONTRACTION	−0.11095553	190	1.395e−07	4.526e−05	SCN9A:5 LMOD1:20 RYR2:32 KCNJ14:149 NEB:157 ITPR1:186
REACTOME_RESPIRATORY_ELECTRON_TRANSPORT_	0.14868490	101	2.476e−07	7.650e−05	LRPPRC:39 ECSIT:52 COA1:124 TIMMDC1:438 NDUFA9:570 TMEM126B:644
WP_CALCIUM_REGULATION_IN_CARDIAC_CELLS	−0.12656194	137	3.237e−07	9.546e−05	RYR2:32 ADCY1:53 CACNA1S:100 CACNA1B:152 ITPR1:186 GJC2:258
BENPORATH_EED_TARGETS	−0.04937037	928	4.325e−07	1.220e−04	CSMD1:23 VIPR2:58 BRINP3:66 KCNQ3:69 HSF4:70 GPR88:72
MARSON_BOUND_BY_E2F4_UNSTIMULATED	0.05786627	661	4.552e−07	1.231e−04	KIAA0825:2 DLGAP5:12 KIF24:18 UBAP2:22 TBCCD1:35 PARPBP:47
MIKKELSEN_NPC_HCP_WITH_H3K27ME3	−0.07963433	331	6.844e−07	1.708e−04	RYR2:32 VIPR1:62 HECW1:67 IKZF1:76 ZNF536:136 BNC1:181
REACTOME_TRANSMISSION_ACROSS_CHEMICAL_SY	−0.09225929	246	6.584e−07	1.708e−04	PPFIA4:15 ADCY1:53 GABRR1:123 GABRB3:124 CACNA1B:152 KCNJ12:195
REACTOME_MITOCHONDRIAL_TRANSLATION	0.14944352	92	7.390e−07	1.776e−04	PTCD3:8 GFM2:86 GADD45GIP1:199 MRPS31:244 MRPS35:413 MTIF2:429
REACTOME_RESPIRATORY_ELECTRON_TRANSPORT	0.15771680	81	9.375e−07	2.172e−04	LRPPRC:39 ECSIT:52 COA1:124 TIMMDC1:438 NDUFA9:570 TMEM126B:644
WP_OXIDATIVE_PHOSPHORYLATION	0.20731567	46	1.153e−06	2.580e−04	ATP6AP2:408 NDUFA9:570 ATP5PD:747 NDUFV3:952 ATP5PO:1120 NDUFS3:1122
REACTOME_TRANSPORT_OF_SMALL_MOLECULES	−0.05489583	665	1.593e−06	3.445e−04	WWP1:16 RYR2:32 TRPM1:49 ADCY1:53 SLC22A6:59 ATP11C:63
HAMAI_APOPTOSIS_VIA_TRAIL_UP	0.05693541	594	2.413e−06	5.051e−04	BPTF:5 PTPN13:6 CEP192:7 MBD4:10 DLGAP5:12 BDP1:16
BLALOCK_ALZHEIMERS_DISEASE_DN	−0.04088708	1165	3.285e−06	6.660e−04	NETO2:24 NOS1AP:25 HERC2:34 LRRN3:41 CHL1:57 UAP1:65
FISCHER_DREAM_TARGETS	0.04627947	882	3.730e−06	7.333e−04	CEP192:7 DLGAP5:12 LCORL:14 KIF24:18 PARPBP:47 ATAD5:61
MIKKELSEN_NPC_HCP_WITH_H3K4ME3_AND_H3K27	−0.09508381	199	3.895e−06	7.433e−04	CSMD1:23 ELFN1:46 GPR88:72 PTGFRN:140 KCNK1:187 CDHR1:234
YOSHIMURA_MAPK8_TARGETS_UP	−0.04133177	1108	4.323e−06	8.014e−04	SCN9A:5 KCNQ3:69 AQP6:73 APBA2:85 RNF112:93 CACNA1S:100
DACOSTA_UV_RESPONSE_VIA_ERCC3_COMMON_DN	0.06252872	452	5.667e−06	1.021e−03	BPTF:5 AKAP9:9 ZNF292:19 C2CD3:30 LRPPRC:39 MDN1:62
REACTOME_PEPTIDE_LIGAND_BINDING_RECEPTOR	−0.10141779	166	6.718e−06	1.178e−03	GPR37L1:54 TAC1:150 MC4R:361 TACR1:365 CCR1:517 UTS2R:538
LEE_TARGETS_OF_PTCH1_AND_SUFU_DN	−0.14131846	83	8.666e−06	1.480e−03	ITPR1:186 KCNK1:187 CALB1:271 CAMK2D:334 PRKCG:375 SEZ6L2:396
LIU_OVARIAN_CANCER_TUMORS_AND_XENOGRAFTS	−0.03663151	1337	9.052e−06	1.506e−03	MMP16:4 SCN9A:5 KCNT2:17 LMOD1:20 CSMD1:23 DOCK4:35
REACTOME_CARDIAC_CONDUCTION	−0.11669499	121	9.448e−06	1.532e−03	SCN9A:5 RYR2:32 KCNJ14:149 ITPR1:186 KCNK1:187 KCNJ12:195