EnrichmentHsSymbolsFile2 Top pathways by non−permulation

Geneset	stat	num.genes	pval	p.adj	gene.vals
DODD_NASOPHARYNGEAL_CARCINOMA_UP	−0.04169566	1446	1.712e−07	1.111e−03	C7orf57:5 USP43:8 DNAH9:13 PER2:15 CAMSAP1:18 MLPH:21
JOHNSTONE_PARVB_TARGETS_3_DN	0.04828482	748	8.120e−06	2.634e−02	NDUFS5:11 QSER1:12 SMCHD1:13 RBL1:31 SUCO:38 TFAM:41
REACTOME_NEURONAL_SYSTEM	−0.06134259	373	5.038e−05	6.940e−02	KCNH3:110 CAMK2B:126 KCNF1:127 SLC18A2:169 DBNL:239 ALDH5A1:297
REACTOME_FORMATION_OF_THE_CORNIFIED_ENVE	−0.13149871	78	6.001e−05	6.940e−02	EVPL:25 KRT85:155 KRT15:222 KRT80:242 KRT35:402 KRT20:443
DODD_NASOPHARYNGEAL_CARCINOMA_DN	0.03502325	1175	6.418e−05	6.940e−02	QSER1:12 RBL1:31 TFAM:41 SUV39H2:46 CEP192:67 TMEM70:86
RODRIGUES_THYROID_CARCINOMA_ANAPLASTIC_U	0.04777025	615	5.797e−05	6.940e−02	QSER1:12 IGF2BP2:19 TPTE:73 SIX4:74 ANKHD1:77 DLG1:102
REACTOME_THE_CITRIC_ACID_TCA_CYCLE_AND_R	0.08925897	149	1.727e−04	8.789e−02	NDUFS5:11 TMEM126B:22 NDUFB5:27 NDUFB3:49 NDUFB4:126 LRPPRC:133
REACTOME_RESPIRATORY_ELECTRON_TRANSPORT_	0.10915382	101	1.522e−04	8.789e−02	NDUFS5:11 TMEM126B:22 NDUFB5:27 NDUFB3:49 NDUFB4:126 LRPPRC:133
REACTOME_RESPIRATORY_ELECTRON_TRANSPORT	0.12405256	81	1.147e−04	8.789e−02	NDUFS5:11 TMEM126B:22 NDUFB5:27 NDUFB3:49 NDUFB4:126 LRPPRC:133
REACTOME_KERATINIZATION	−0.11664721	85	2.032e−04	8.789e−02	EVPL:25 KRT85:155 KRT15:222 KRT80:242 KRT35:402 KRT20:443
WP_2Q37_COPY_NUMBER_VARIATION_SYNDROME	−0.10315047	110	1.884e−04	8.789e−02	PER2:15 MLPH:21 PASK:64 TRAF3IP1:87 ANO7:98 USP40:144
WP_MITOCHONDRIAL_COMPLEX_I_ASSEMBLY_MODE	0.16045487	47	1.420e−04	8.789e−02	NDUFS5:11 TMEM126B:22 NDUFB5:27 NDUFB3:49 TMEM70:86 NDUFB4:126
PUJANA_BRCA1_PCC_NETWORK	0.03062355	1388	1.633e−04	8.789e−02	DAXX:1 TMEM131L:21 RBL1:31 TFAM:41 LARP4:42 NDUFB3:49
BENPORATH_SOX2_TARGETS	0.04310142	649	1.972e−04	8.789e−02	NDUFB5:27 HAS2:54 ACIN1:69 ORC1:76 ANKHD1:77 KLHL5:128
SHEN_SMARCA2_TARGETS_UP	0.05791129	382	1.080e−04	8.789e−02	TMEM126B:22 UBR2:50 ATF1:59 ST13:60 ANKHD1:77 DPF2:85
REACTOME_RNA_POLYMERASE_II_TRANSCRIPTION	0.03551941	947	2.444e−04	9.326e−02	DAXX:1 ZNF641:10 RBL1:31 TEAD3:43 NR2C1:66 DEK:94
RODRIGUES_THYROID_CARCINOMA_POORLY_DIFFE	0.04530663	572	2.304e−04	9.326e−02	RBL1:31 TFAM:41 SUV39H2:46 MTFP1:99 ZNF644:107 LRPPRC:133
SENGUPTA_NASOPHARYNGEAL_CARCINOMA_DN	−0.06352079	279	2.707e−04	9.756e−02	C7orf57:5 DNAH9:13 COBL:23 CLIC3:73 TRAF3IP1:87 TACC2:89
REACTOME_COMPLEX_I_BIOGENESIS	0.14843055	48	3.756e−04	1.283e−01	NDUFS5:11 TMEM126B:22 NDUFB5:27 NDUFB3:49 NDUFB4:126 NDUFA12:142
WP_NONALCOHOLIC_FATTY_LIVER_DISEASE	0.09180000	125	3.989e−04	1.294e−01	NDUFS5:11 NDUFB5:27 NDUFB3:49 NDUFB4:126 NDUFA12:142 NDUFS8:239
WP_GPCRS_CLASS_A_RHODOPSINLIKE	−0.07084204	208	4.395e−04	1.358e−01	NPBWR2:177 GPR12:192 HTR1B:195 BDKRB1:265 OPRK1:357 NMBR:371
REACTOME_VOLTAGE_GATED_POTASSIUM_CHANNEL	−0.15436903	42	5.387e−04	1.589e−01	KCNH3:110 KCNF1:127 KCNV2:315 KCNH1:616 KCNAB3:778 KCNS1:786
NIKOLSKY_BREAST_CANCER_1Q21_AMPLICON	−0.17581047	32	5.786e−04	1.632e−01	RUSC1:160 LINGO4:278 PBXIP1:412 PKLR:435 TDRKH:537 PMVK:606
FISCHER_DREAM_TARGETS	0.03491175	846	6.273e−04	1.696e−01	SMCHD1:13 EHBP1:17 RBL1:31 SUV39H2:46 CEP192:67 ORC1:76
WP_ELECTRON_TRANSPORT_CHAIN_OXPHOS_SYSTE	0.11163122	75	8.358e−04	2.169e−01	NDUFS5:11 NDUFB5:27 NDUFB3:49 NDUFB4:126 NDUFA12:142 ATP5PD:238
NIKOLSKY_BREAST_CANCER_12Q24_AMPLICON	−0.24825644	15	8.716e−04	2.175e−01	SFSWAP:22 GOLGA3:77 NOC4L:203 GALNT9:342 EP400:798 P2RX2:843
KEGG_CYTOKINE_CYTOKINE_RECEPTOR_INTERACT	0.06673066	208	9.291e−04	2.184e−01	LTA:100 IL12B:195 GH2:226 GHR:263 VEGFB:267 KDR:296
KEGG_ALLOGRAFT_REJECTION	0.20369002	22	9.427e−04	2.184e−01	HLA−DOB:81 IL12B:195 CD86:233 CD80:256 IL4:494 FASLG:532
DACOSTA_UV_RESPONSE_VIA_ERCC3_DN	0.03448223	794	1.046e−03	2.340e−01	SMCHD1:13 EHBP1:17 ATP2B4:20 TMEM131L:21 ZFYVE9:33 ZNF292:35
BENPORATH_NANOG_TARGETS	0.03270059	871	1.166e−03	2.521e−01	EHBP1:17 NDUFB3:49 HAS2:54 ORC1:76 KLHL5:128 ATAD2:134
DACOSTA_UV_RESPONSE_VIA_ERCC3_COMMON_DN	0.04544523	432	1.256e−03	2.630e−01	SMCHD1:13 EHBP1:17 ZFYVE9:33 ZNF292:35 LARP4:42 UBR2:50
REACTOME_CLASS_A_1_RHODOPSIN_LIKE_RECEPT	−0.05435933	295	1.360e−03	2.757e−01	TAAR6:70 TACR2:134 NPBWR2:177 HTR1B:195 GPR132:253 BDKRB1:265
WONG_MITOCHONDRIA_GENE_MODULE	0.06580844	197	1.478e−03	2.905e−01	NDUFS5:11 NDUFB5:27 TFAM:41 NDUFB3:49 NDUFB4:126 LRPPRC:133
EBAUER_MYOGENIC_TARGETS_OF_PAX3_FOXO1_FU	−0.13782838	44	1.565e−03	2.986e−01	MYBPC2:31 MYO10:72 DES:463 MEF2D:467 TNNI2:670 TNNT3:800
STARK_PREFRONTAL_CORTEX_22Q11_DELETION_D	0.04278149	466	1.631e−03	3.023e−01	NARS1:39 SMIM26:52 ST13:60 TMEM59L:65 DEK:94 PRODH:119
HOUNKPE_HOUSEKEEPING_GENES	0.02963321	996	1.730e−03	3.031e−01	NARS1:39 ST13:60 MBD1:117 LRPPRC:133 KDM4B:174 AHSA1:183
MIKKELSEN_NPC_HCP_WITH_H3K27ME3	−0.05042116	326	1.809e−03	3.031e−01	COBL:23 BNC1:100 JAG2:125 RIPK4:128 FAM163B:204 HECW1:218
REACTOME_SPERM_MOTILITY_AND_TAXES	0.31754157	8	1.869e−03	3.031e−01	CATSPER2:3 CATSPERB:63 CATSPERG:276 CATSPER4:289 KCNU1:1091 HVCN1:7111
REACTOME_BETA_OXIDATION_OF_PRISTANOYL_CO	−0.29964493	9	1.852e−03	3.031e−01	ACOX3:233 SCP2:1047 ACOX2:1395 CRAT:1777 CROT:2019 HSD17B4:2196
HAMAI_APOPTOSIS_VIA_TRAIL_UP	0.03794803	585	1.818e−03	3.031e−01	QSER1:12 SMCHD1:13 SUCO:38 NARS1:39 ETAA1:40 HAS2:54