EnrichmentHsSymbolsFile2 Top pathways by non−permulation

Geneset	stat	num.genes	pval	p.adj	gene.vals
NIKOLSKY_BREAST_CANCER_1Q21_AMPLICON	0.26528349	32	2.070e−07	1.343e−03	PBXIP1:49 RUSC1:178 ZBTB7B:197 MTX1:234 ADAM15:245 PMVK:314
DODD_NASOPHARYNGEAL_CARCINOMA_UP	0.03764487	1446	2.356e−06	7.642e−03	DNAH2:2 USP43:3 DNAH9:5 ANKRD35:7 SIK3:16 TACC2:27
NIKOLSKY_BREAST_CANCER_20Q12_Q13_AMPLICO	0.10895206	126	2.453e−05	3.979e−02	NPBWR2:52 LAMA5:56 CASS4:79 MTG2:82 FAM217B:85 SYCP2:173
PUJANA_BRCA1_PCC_NETWORK	−0.03476028	1388	1.877e−05	3.979e−02	GPR3:5 TMEM131L:6 SLC16A5:21 DAXX:31 TAF2:42 BCL7A:49
FLECHNER_BIOPSY_KIDNEY_TRANSPLANT_OK_VS_	−0.05363445	468	7.567e−05	9.819e−02	RHOBTB3:59 WDFY3:72 VEGFA:95 N4BP1:145 IL6ST:158 KNG1:186
REACTOME_RNA_POLYMERASE_II_TRANSCRIPTION	−0.03619949	947	1.852e−04	1.717e−01	ELL:8 DAXX:31 TAF2:42 BAX:52 HDAC8:61 GATAD2A:73
NIKOLSKY_BREAST_CANCER_21Q22_AMPLICON	0.28998394	14	1.721e−04	1.717e−01	COL6A1:121 COL6A2:736 PCNT:771 ADARB1:972 MCM3AP:1165 LSS:1400
HOUNKPE_HOUSEKEEPING_GENES	−0.03348016	996	4.004e−04	2.165e−01	ELL:8 KDM4B:65 ST13:68 AHSA1:69 PSME3:101 ZFP91:103
REACTOME_OLFACTORY_SIGNALING_PATHWAY	−0.09584496	117	3.469e−04	2.165e−01	OR4D1:20 OR5AR1:35 OR6T1:44 OR2AE1:96 OR7G3:130 OR6Q1:165
DIAZ_CHRONIC_MYELOGENOUS_LEUKEMIA_UP	−0.03029646	1248	3.793e−04	2.165e−01	PPP4R1:4 TAF2:42 CAPN7:57 ST13:68 MAN2A1:97 ZNF22:110
SCHLOSSER_SERUM_RESPONSE_DN	−0.04243824	605	3.939e−04	2.165e−01	UBR2:24 BCL7A:49 VEGFA:95 PRKY:153 IL6ST:158 SECISBP2L:170
JOHNSTONE_PARVB_TARGETS_3_DN	−0.03881032	748	3.352e−04	2.165e−01	QSER1:7 SMCHD1:13 MTBP:19 RAB12:50 AOX1:62 RBL1:77
STARK_PREFRONTAL_CORTEX_22Q11_DELETION_D	−0.04684228	466	5.619e−04	2.804e−01	ABHD11:29 ST13:68 AHSA1:69 TMEM59L:164 GLG1:187 HIRA:219
KEGG_OLFACTORY_TRANSDUCTION	−0.08565371	131	7.210e−04	3.341e−01	OR4D1:20 OR5AR1:35 OR6T1:44 OR2AE1:96 CLCA4:124 OR7G3:130
STARK_HYPPOCAMPUS_22Q11_DELETION_DN	−0.19752029	22	1.342e−03	4.581e−01	HIRA:219 DGCR2:233 PRODH:253 DGCR8:357 TANGO2:830 ESS2:849
MARTORIATI_MDM4_TARGETS_FETAL_LIVER_DN	−0.04393821	459	1.319e−03	4.581e−01	PPP4R1:4 SLC44A1:14 SSBP4:26 ST13:68 TPM4:75 IRF2BPL:106
WP_GPCRS_CLASS_A_RHODOPSINLIKE	0.06568636	208	1.117e−03	4.581e−01	NPBWR2:52 BDKRB1:55 GPR39:347 FSHR:352 CYSLTR2:361 MC3R:424
WP_22Q112_COPY_NUMBER_VARIATION_SYNDROME	−0.09289521	101	1.267e−03	4.581e−01	CLTCL1:85 HIRA:219 DGCR2:233 CYP26C1:249 PRODH:253 RANGAP1:254
BUYTAERT_PHOTODYNAMIC_THERAPY_STRESS_UP	−0.03549496	723	1.249e−03	4.581e−01	ELL:8 UBR2:24 ZNF16:39 FGD6:64 KDM4B:65 AHSA1:69
NIKOLSKY_BREAST_CANCER_16P13_AMPLICON	0.09048871	99	1.879e−03	5.301e−01	EME2:322 NPW:336 TELO2:402 MEIOB:510 C1QTNF8:518 IFT140:519
BASAKI_YBX1_TARGETS_DN	−0.05038506	328	1.765e−03	5.301e−01	SMCHD1:13 SLC44A1:14 SSBP4:26 IER2:45 KDM4B:65 VEGFA:95
BENPORATH_SOX2_TARGETS	−0.03630614	649	1.715e−03	5.301e−01	SLC44A1:14 ABHD11:29 HAS2:30 ANO8:78 ATAD2:123 COA7:127
CREIGHTON_ENDOCRINE_THERAPY_RESISTANCE_2	0.04602910	390	1.879e−03	5.301e−01	PTPN22:36 TTC12:38 C7orf57:57 ZHX3:62 CFAP45:63 CFAP46:69
WP_NONALCOHOLIC_FATTY_LIVER_DISEASE	−0.07946152	125	2.177e−03	5.886e−01	BAX:52 TNF:80 NDUFS5:108 LEP:159 PPARA:201 NDUFB5:247
NIKOLSKY_BREAST_CANCER_12Q24_AMPLICON	0.22395278	15	2.673e−03	6.739e−01	SFSWAP:4 GOLGA3:24 NOC4L:100 DDX51:534 EP400:709 GALNT9:900
SENGUPTA_NASOPHARYNGEAL_CARCINOMA_DN	0.05232368	279	2.701e−03	6.739e−01	DNAH2:2 DNAH9:5 ANKRD35:7 TACC2:27 TTC12:38 CCDC81:54
NIKOLSKY_BREAST_CANCER_16Q24_AMPLICON	0.12616381	46	3.080e−03	7.401e−01	PIEZO1:382 CYBA:587 ANKRD11:649 GAS8:657 SNAI3:699 CTU2:772
REACTOME_EPIGENETIC_REGULATION_OF_GENE_E	−0.09065091	88	3.311e−03	7.408e−01	GATAD2A:73 SIN3A:104 DDX21:173 DNMT3B:228 GTF2H1:236 ERCC6:238
WP_HEPATITIS_B_INFECTION	−0.07625576	125	3.269e−03	7.408e−01	BAX:52 TNF:80 MAP2K2:199 TGFB2:552 BID:554 IL6:568
REACTOME_SIGNALING_BY_GPCR	0.03445715	616	3.701e−03	7.504e−01	ARHGEF11:20 ARHGEF12:51 NPBWR2:52 BDKRB1:55 CAMK2B:72 TIAM2:94
WP_AMYOTROPHIC_LATERAL_SCLEROSIS_ALS	−0.14671205	33	3.542e−03	7.504e−01	DAXX:31 BAX:52 TNF:80 MAP2K2:199 GPX1:314 BID:554
SHEN_SMARCA2_TARGETS_UP	−0.04353456	382	3.607e−03	7.504e−01	UBR2:24 DPF2:43 CAPN7:57 ST13:68 WDFY3:72 DLG1:94
WU_HBX_TARGETS_3_DN	−0.25850276	10	4.644e−03	8.057e−01	GSTA4:180 GLG1:187 MAP2K2:199 IL6:568 WT1:1145 TGFB1:7162.5
PID_HDAC_CLASSI_PATHWAY	−0.11017708	55	4.723e−03	8.057e−01	HDAC8:61 GATAD2A:73 TNF:80 SIN3A:104 RANGAP1:254 KAT2B:331
KIM_WT1_TARGETS_DN	−0.04127660	410	4.285e−03	8.057e−01	ZNF292:15 DPF2:43 CAPN7:57 FGD6:64 TAF5:81 FNBP4:88
RODRIGUES_THYROID_CARCINOMA_POORLY_DIFFE	−0.03465547	572	4.843e−03	8.057e−01	RHOBTB3:59 TPM4:75 RBL1:77 ATAD2:123 COA7:127 IL6ST:158
BENPORATH_NANOG_TARGETS	−0.02866073	871	4.427e−03	8.057e−01	SLC44A1:14 ABHD11:29 HAS2:30 WDR6:66 AHSA1:69 ANO8:78
BLALOCK_ALZHEIMERS_DISEASE_DN	−0.02560743	1093	4.704e−03	8.057e−01	ABCB1:25 AHSA1:69 VEGFA:95 RPL6:99 PSME3:101 HSF2:140
WILENSKY_RESPONSE_TO_DARAPLADIB	0.16299870	25	4.790e−03	8.057e−01	GM2A:202 DENND2D:508 CD48:963 CCR2:1023 BIN2:1057 EVI2A:1088
PEREZ_TP63_TARGETS	0.04586276	310	5.625e−03	8.273e−01	CEMIP:44 C7orf57:57 KLK15:71 EVPL:74 OTULINL:118 TUFT1:165