EnrichmentHsSymbolsFile2 Top pathways by non-permulation

HOUNKPE HOUSEKEEPING_GENES						
DODD NASOPHARYNGEAL CARCINOMA UP			num.genes	-		
NIKOLSKY_BREAST_CANCER_20012_013_AMPLICO	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
PUJANA_BRCA1_PCC_NETWORK	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
FLECHNER_BIOPSY_KIDNEY_TRANSPLANT_OK_VS_	NIKOLSKY_BREAST_CANCER_20Q12_Q13_AMPLICO	0.10895206	126	2.453e-05	3.979e-02	
REACTOME_RNA_POLYMERASE_ILTRANSCRIPTION	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
NIKOLSKY_BREAST_CANCER_1022_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 2.1656-01 ELL:8 KDM8:65 ST13:68 AHSA1:69 PSME3:101 ZFP91:103 A5690-04 2.1656-01 OR4D1:20 OR5AR1:35 COR6T1:44 OR2AE1:96 OR763:130 OR601:165 DIAZ CHRONIC MYELOGENOUS LEUKEMIA UP -0.03029646 1248 3.793e-04 2.1656-01 PPP4R1:4 TAF2:42 CAPN7:57 ST13:68 MAN2A1:97 ZNF22:110 SCHLOSSER SERUM RESPONSE DN -0.04243824 605 3.939e-04 2.1656-01 UBR2:24 BCL7A:49 VEGFA:95 PRKY:153 ILGST:158 SECISBP2L:170 JOHNSTONE_PARYB_TARGETS_3_DN -0.03881032 748 3.352e-04 2.1656-01 UBR2:24 BCL7A:49 VEGFA:95 PRKY:153 ILGST:158 SECISBP2L:170 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 ABHD11:29 ST13:68 AHSA1:69 TMEM59L:164 GLG1:187 HIRA:219 MRRTORIATI_MDM4_TRAGETS_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 -0.05856863 208 1.117e-03 4.581e-01 PPP4R1:4 SLC44A1:14 SSBP4:26 ST13:68 TPM4:75 IRF2BPL:106 WP_GPCRS_CLASS_A_RHODOPSINLIKE -0.09389521 101 1.267e-03 4.581e-01 PPWRR:252 BDKRB1:55 GPR39:347 F5HR:352 CYSLTR2:361 MG3R:424 WP_CAD11:2 COPY_NUMBER_VARIATION_SYNDROMB -0.09389521 101 1.267e-03 4.581e-01 PPWRR:252 BDKRB1:55 GPR39:347 F5HR:352 CYSLTR2:361 MG3R:424 WP_CAD11:254 DGCR2:233 CYP26C1:249 PRODH:255 ABROAP1:254 DBM7-154 DGCR2:233 CYP26C1:249 PRODH:255 ABROAP1:254 DBM7-154 DGCR2:233 CYP26C1:249 PRODH:255 ABROAP1:254 DBM7-154 DGCR2:233 CYP36C1:249 PRODH:255 ABROAP1:254 DGCR2:233 CYP36C1:249 DGCR2:233 CYP36C1:249 PRODH:255 ABROAP1:254 DGCR2:233 CYP36C1:249 DGCR2:233 CYP36C1:249 DGCR2:233 CYP36C1:249 DGCR2:233	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
HOUNKPE_HOUSEKEEPING_GENES	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
REACTOME_OLFACTORY_SIGNALING_PATHWAY	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
DIAZ_CHRONIC_MYELOGENOUS_LEUKEMIA_UP	HOUNKPE_HOUSEKEEPING_GENES	-0.03348016	996	4.004e-04	2.165e-01	ELL:8 KDM4B:65 ST13:68 AHSA1:69 PSME3:101 ZFP91:103
SCHLOSSER_SERUM_RESPONSE_DN	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
JOHNSTONE_PARVB_TARGETS_3_DN	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
STARK_PREFRONTAL_CORTEX_22Q11_DELETION_D	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
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 IRF2BPI:106 WP_GPCRS_CLASS_A_RHODOPSINLIKE 0.06568636 208 1.117e-03 4.581e-01 PPP4R1:4 SLC44A1:14 SSBP4:26 ST13:68 TPM4:75 IRF2BPI:106 WP_GPCRS_CLASS_A_RHODOPSINLIKE 0.06568636 208 1.117e-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 KDM48:65 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 -0.05633666 328 1.765e-03 5.301e-01 SMCHD1:13 SLC44A1:14 SSBP4:26 IER2:45 KDM48:65 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 SLC44A1:14 ABHD11:29 HAS2:30 ANO8:78 ATAD2:123 CAP46:69 WP_NONALCOHOLIC_FAITY_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 PIEZO1:38 CYBA:587 ANKRD35:7 TACC2:27 TTC12:38 CCDC81:54 NIKOLSKY_BREAST_CANCER_16Q24_AMPLICON 0.12616381 46 3.080e-03 7.401e-01 PIEZO1:38 CYBA:587 ANKRD35	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_HYPPOCAMPUS_22Q11_DELETION_DN	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
MARTORIATI_MDM4_TARGETS_FETAL_LIVER_DN	KEGG_OLFACTORY_TRANSDUCTION	-0.08565371	131	7.210e-04	3.341e-01	OR4D1:20 OR5AR1:35 OR6T1:44 OR2AE1:96 CLCA4:124 OR7G3:130
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 C70ri57:57 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_16Q24_AMPLICON	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
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 CFAP46:63 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 0.023935278 15 2.673e-03 6.739e-01 DNAH2:2 DNAH9:5 ANKRD35:7 TACC2:27 TTC12:38 CCDC81:54 NIKOLSKY_BREAST_CANCER_16Q24_AMPLICON <td>MARTORIATI_MDM4_TARGETS_FETAL_LIVER_DN</td> <td>-0.04393821</td> <td>459</td> <td>1.319e-03</td> <td>4.581e-01</td> <td>PPP4R1:4 SLC44A1:14 SSBP4:26 ST13:68 TPM4:75 IRF2BPL:106</td>	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
BUYTAERT_PHOTODYNAMIC_THERAPY_STRESS_UP	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
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 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 ARHGEF11:20 ARHGEF12:51 NPBWR2:52 BDKRB1:55 CAMK2B:72 TIAM2:9-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	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
BASAKI_YBX1_TARGETS_DN	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
BENPORATH_SOX2_TARGETS	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
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 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	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
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	BENPORATH_SOX2_TARGETS	-0.03630614	649	1.715e-03	5.301e-01	SLC44A1:14 ABHD11:29 HAS2:30 ANO8:78 ATAD2:123 COA7:127
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	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
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	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_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	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
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	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
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	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_SIGNALING_BY_GPCR 0.03445715 616 3.701e-03 7.504e-01 ARHGEF11:20 ARHGEF12:51 NPBWR2:52 BDKRB1:55 CAMK2B:72 TIAM2:94	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_AMYOTROPHIC_LATERAL_SCLEROSIS_ALS	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
CHEN CMARCAS TARCETO LIR 0.04253456 202 2.6076.00 7.5045.04 LIRDOOM REFORM CARRIED TO 1.04.04	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	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	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	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	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	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	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	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	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	PEREZ_TP63_TARGETS	0.04586276	310	5.625e-03	8.273e-01	CEMIP:44 C7orf57:57 KLK15:71 EVPL:74 OTULINL:118 TUFT1:165