

| The complete information of the functional enrichment of tar-DEmRNAs analyzed by GSEA software | | | | | | | | | |
|--|---------------------------------------|------|--------|--------|----------------|----------------|-----------------|----------------|---------------------------------------|
| NAME | GS follow link to MSigDB | SIZE | ES | NES | NOM P value | FDR q value | FWER P value | RANK AT MAX | LEADING EDGE |
| ABE_INNER_EAR | ABE_INNER_EAR | 16 | 0.2170 | 0.8699 | 0.6188 | 0.7150 | 1.0000 | 986 | tags=31%, list=22%, signal=40% |
| ACEVEDO_LIVER_CANCER_UP | ACEVEDO_LIVER_CANCER_UP | 181 | 0.2431 | 1.8945 | 0.0000 | 0.0120 | 0.9060 | 1283 | tags=50%, list=29%, signal=67% |
| ACEVEDO_LIVER_CANCER_WITH_H3K27ME3_DN | ACEVEDO_LIVER_CANCER_WITH_H3K27ME3_DN | 29 | 0.2433 | 1.2141 | 0.2055 | 0.2760 | 1.0000 | 1889 | tags=69%, list=43%, signal=119% |
| ACEVEDO_LIVER_CANCER_WITH_H3K27ME3_UP | ACEVEDO_LIVER_CANCER_WITH_H3K27ME3_UP | 64 | 0.2601 | 1.6626 | 0.0105 | 0.0416 | 1.0000 | 708 | tags=33%, list=16%, signal=38% |
| ACEVEDO_LIVER_CANCER_WITH_H3K9ME3_DN | ACEVEDO_LIVER_CANCER_WITH_H3K9ME3_DN | 24 | 0.2968 | 1.3702 | 0.0986 | 0.1524 | 1.0000 | 1532 | tags=63%, list=35%, signal=95% |
| ACEVEDO_LIVER_CANCER_WITH_H3K9ME3_UP | ACEVEDO_LIVER_CANCER_WITH_H3K9ME3_UP | 28 | 0.2196 | 1.0189 | 0.4118 | 0.5138 | 1.0000 | 419 | tags=18%, list=9%, signal=20% |

| | | | | | | | | | |
|--|--|-----|--------|--------|--------|--------|--------|------|--------------------------------------|
| ACEVEDO_LIVER_TUMOR_VS_NORMAL_ADJACENT_TISSUE_UP | ACEVEDO_LIVER_TUMOR_VS_NORMAL_ADJACENT_TISSUE_UP | 162 | 0.2149 | 1.6769 | 0.0000 | 0.0391 | 1.0000 | 1235 | tags=46%, list=28%, signal=62% |
| ACEVEDO_METHYLATED_IN_LIVER_CANCER_DN | ACEVEDO_METHYLATED_IN_LIVER_CANCER_DN | 159 | 0.1227 | 0.9399 | 0.6180 | 0.6182 | 1.0000 | 994 | tags=27%, list=22%, signal=34% |
| ACOSTA_PROLIFERATION_INDEPENDENT_MYC_TARGETS_UP | ACOSTA_PROLIFERATION_INDEPENDENT_MYC_TARGETS_UP | 22 | 0.3619 | 1.5819 | 0.0468 | 0.0609 | 1.0000 | 761 | tags=50%, list=17%, signal=60% |
| ADDYA_ERYTHROID_DIFFERENTIATION_BY_HEMIN | ADDYA_ERYTHROID_DIFFERENTIATION_BY_HEMIN | 17 | 0.2036 | 0.8456 | 0.6517 | 0.7467 | 1.0000 | 560 | tags=24%, list=13%, signal=27% |
| AFFAR_YY1_TARGETS_DN | AFFAR_YY1_TARGETS_DN | 92 | 0.3879 | 2.6602 | 0.0000 | 0.0000 | 0.0030 | 1122 | tags=59%, list=25%, signal=77% |
| AFFAR_YY1_TARGETS_UP | AFFAR_YY1_TARGETS_UP | 70 | 0.1523 | 0.9606 | 0.5556 | 0.5898 | 1.0000 | 320 | tags=14%, list=7%, signal=15% |
| AGUIRRE_PANCREATIC_CANCER_COPY_NUMBER_DN | AGUIRRE_PANCREATIC_CANCER_COPY_NUMBER_DN | 31 | 0.1701 | 0.8685 | 0.6533 | 0.7154 | 1.0000 | 1223 | tags=42%, list=28%, signal=57% |

| | | | | | | | | | |
|--|--|----|--------|--------|--------|--------|--------|------|--------------------------------------|
| AGUIRRE_PANCRE ATIC_CANCER_CO PY_NUMBER_UP | AGUIRRE_PANCREA TIC_CANCER_COPY_ NUMBER_UP | 53 | 0.2262 | 1.2858 | 0.1215 | 0.2127 | 1.0000 | 1200 | tags=43%, list=27%, signal=59% |
| AIYAR_COBRA1_T ARGETS_UP | AIYAR_COBRA1_TAR GETS_UP | 15 | 0.2534 | 1.0094 | 0.4596 | 0.5270 | 1.0000 | 1462 | tags=60%, list=33%, signal=89% |
| ALCALA_APOPTOS IS | ALCALA_APOPTOSIS | 17 | 0.2571 | 1.0355 | 0.4256 | 0.4894 | 1.0000 | 741 | tags=35%, list=17%, signal=42% |
| ALCALAY_AML_B Y_NPM1_LOCALIZ ATION_DN | ALCALAY_AML_BY_ NPM1_LOCALIZATIO N_DN | 72 | 0.2780 | 1.8024 | 0.0000 | 0.0208 | 0.9860 | 1165 | tags=49%, list=26%, signal=65% |
| ALCALAY_AML_B Y_NPM1_LOCALIZ ATION_UP | ALCALAY_AML_BY_ NPM1_LOCALIZATIO N_UP | 39 | 0.3104 | 1.6405 | 0.0160 | 0.0465 | 1.0000 | 1044 | tags=49%, list=24%, signal=63% |
| ALFANO_MYC_TA RGETS | ALFANO_MYC_TARG ETS | 73 | 0.2088 | 1.3544 | 0.0568 | 0.1621 | 1.0000 | 1174 | tags=44%, list=26%, signal=59% |
| ALONSO_METAST ASIS_EMT_UP | ALONSO_METASTASI S_EMT_UP | 18 | 0.5335 | 2.1799 | 0.0000 | 0.0020 | 0.2440 | 1117 | tags=67%, list=25%, signal=89% |
| ALONSO_METAST ASIS_UP | ALONSO_METASTASI S_UP | 49 | 0.3421 | 2.0248 | 0.0000 | 0.0053 | 0.6330 | 1273 | tags=53%, list=29%, signal=74% |

| | | | | | | | | | |
|--|--|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| AMIT_EGF_RESPONSE_480_HELA | AMIT_EGF_RESPONSE_480_HELA | 46 | 0.4025 | 2.3241 | 0.0000 | 0.0006 | 0.0700 | 899 | tags=50%, list=20%, signal=62% |
| ANASTASSIOU_MULTICANCER_INVASIVENESS_SIGNATURE | ANASTASSIOU_MULTICANCER_INVASIVENESS_SIGNATURE | 43 | 0.7054 | 3.9410 | 0.0000 | 0.0000 | 0.0000 | 731 | tags=77%, list=16%, signal=91% |
| ANDERSEN_CHOLANGIOCARCINOMA_CLASS1 | ANDERSEN_CHOLANGIOCARCINOMA_CLASS1 | 16 | 0.6378 | 2.5936 | 0.0000 | 0.0001 | 0.0040 | 1298 | tags=88%, list=29%, signal=123% |
| ANDERSEN_CHOLANGIOCARCINOMA_CLASS2 | ANDERSEN_CHOLANGIOCARCINOMA_CLASS2 | 60 | 0.5590 | 3.4457 | 0.0000 | 0.0000 | 0.0000 | 1687 | tags=87%, list=38%, signal=138% |
| AZARE_NEOPLASTIC_TRANSFORMATION_BY_STAT3_UP | AZARE_NEOPLASTIC_TRANSFORMATION_BY_STAT3_UP | 36 | 0.1995 | 1.0392 | 0.3993 | 0.4841 | 1.0000 | 698 | tags=31%, list=16%, signal=36% |
| BAE_BRCA1_TARGETS_UP | BAE_BRCA1_TARGETS_UP | 18 | 0.2740 | 1.1326 | 0.2693 | 0.3651 | 1.0000 | 600 | tags=28%, list=14%, signal=32% |
| BAELDE_DIABETIC_NEPHROPATHY_DN | BAELDE_DIABETIC_NEPHROPATHY_DN | 124 | 0.2838 | 2.0576 | 0.0000 | 0.0045 | 0.5490 | 823 | tags=37%, list=19%, signal=44% |
| BAKKER_FOXO3_TARGETS_DN | BAKKER_FOXO3_TARGETS_DN | 38 | 0.1512 | 0.8032 | 0.7920 | 0.7949 | 1.0000 | 1358 | tags=47%, list=31%, signal=68% |

| | | | | | | | | | |
|---|---|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| BARIS_THYROID_C ANCER_DN | BARIS_THYROID_CA NCER_DN | 15 | 0.4410 | 1.7132 | 0.0115 | 0.0326 | 0.9990 | 1482 | tags=73%, list=33%, signal=110% |
| BASAKI_YBX1_TA RGETS_UP | BASAKI_YBX1_TARG ETS_UP | 115 | 0.5307 | 3.8279 | 0.0000 | 0.0000 | 0.0000 | 1520 | tags=84%, list=34%, signal=125% |
| BASSO_B_LYMPHO CYTE_NETWORK | BASSO_B_LYMPHOC YTE_NETWORK | 31 | 0.3556 | 1.7776 | 0.0036 | 0.0236 | 0.9960 | 1696 | tags=74%, list=38%, signal=119% |
| BASSO_CD40_SIGN ALING_UP | BASSO_CD40_SIGNA LING_UP | 18 | 0.4256 | 1.7860 | 0.0091 | 0.0227 | 0.9950 | 1467 | tags=67%, list=33%, signal=99% |
| BASSO_HAIRY_CE LL_LEUKEMIA_UP | BASSO_HAIRY_CELL _LEUKEMIA_UP | 24 | 0.1797 | 0.8240 | 0.7175 | 0.7703 | 1.0000 | 1056 | tags=33%, list=24%, signal=44% |
| BEGUM_TARGETS_ OF_PAX3_FOXO1_F USION_DN | BEGUM_TARGETS_O F_PAX3_FOXO1_FUSI ON_DN | 18 | 0.4938 | 2.0802 | 0.0032 | 0.0039 | 0.4780 | 1488 | tags=72%, list=34%, signal=108% |
| BENPORATH_CYCL ING_GENES | BENPORATH_CYCLI NG_GENES | 190 | 0.4101 | 3.2572 | 0.0000 | 0.0000 | 0.0000 | 1382 | tags=66%, list=31%, signal=92% |
| BENPORATH_ES_1 | BENPORATH_ES_1 | 113 | 0.3134 | 2.3098 | 0.0000 | 0.0007 | 0.0820 | 1212 | tags=51%, list=27%, signal=69% |

| | | | | | | | | | |
|--|--|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| BENPORATH_ES_C ORE_NINE_CORRE LATED | BENPORATH_ES_CO RE_NINE_CORRELAT ED | 27 | 0.4764 | 2.2574 | 0.0033 | 0.0010 | 0.1260 | 1871 | tags=85%, list=42%, signal=146% |
| BENPORATH_MYC _MAX_TARGETS | BENPORATH_MYC_M AX_TARGETS | 122 | 0.1951 | 1.4350 | 0.0261 | 0.1174 | 1.0000 | 1482 | tags=51%, list=33%, signal=74% |
| BENPORATH_NAN OG_TARGETS | BENPORATH_NANOG _TARGETS | 174 | 0.3203 | 2.4746 | 0.0000 | 0.0001 | 0.0090 | 1282 | tags=53%, list=29%, signal=72% |
| BENPORATH_NOS_ TARGETS | BENPORATH_NOS_T ARGETS | 40 | 0.2496 | 1.3499 | 0.0966 | 0.1648 | 1.0000 | 429 | tags=23%, list=10%, signal=25% |
| BENPORATH_OCT4 _TARGETS | BENPORATH_OCT4_T ARGETS | 54 | 0.2576 | 1.5299 | 0.0222 | 0.0772 | 1.0000 | 429 | tags=24%, list=10%, signal=26% |
| BENPORATH_PROL IFERATION | BENPORATH_PROLIF ERATION | 54 | 0.6010 | 3.5982 | 0.0000 | 0.0000 | 0.0000 | 1122 | tags=81%, list=25%, signal=108% |
| BENPORATH_SOX2 _TARGETS | BENPORATH_SOX2_T ARGETS | 134 | 0.2807 | 2.0469 | 0.0000 | 0.0046 | 0.5690 | 1148 | tags=46%, list=26%, signal=60% |
| BERENJENO_ROCK _SIGNALING_NOT_ VIA_RHOA_DN | BERENJENO_ROCK_S IGNALING_NOT_VIA _RHOA_DN | 18 | 0.4065 | 1.6810 | 0.0338 | 0.0383 | 1.0000 | 1269 | tags=61%, list=29%, signal=85% |

| | | | | | | | | | |
|---|---|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| BERENJENO_TRAN SFORMED_BY_RHO A_DN | BERENJENO_TRANSF ORMED_BY_RHOA_D N | 114 | 0.2006 | 1.4443 | 0.0217 | 0.1134 | 1.0000 | 1160 | tags=40%, list=26%, signal=53% |
| BERENJENO_TRAN SFORMED_BY_RHO A_UP | BERENJENO_TRANSF ORMED_BY_RHOA_U P | 166 | 0.4176 | 3.2340 | 0.0000 | 0.0000 | 0.0000 | 1516 | tags=69%, list=34%, signal=101% |
| BERNARD_PPAPDC 1B_TARGETS_DN | BERNARD_PPAPDC1 B_TARGETS_DN | 17 | 0.2456 | 0.9911 | 0.4583 | 0.5500 | 1.0000 | 1056 | tags=47%, list=24%, signal=62% |
| BERTUCCI_MEDUL LARY_VS_DUCTAL _BREAST_CANCER _DN | BERTUCCI_MEDULL ARY_VS_DUCTAL_B REAST_CANCER_DN | 64 | 0.4671 | 2.8216 | 0.0000 | 0.0000 | 0.0000 | 1191 | tags=63%, list=27%, signal=84% |
| BERTUCCI_MEDUL LARY_VS_DUCTAL _BREAST_CANCER _UP | BERTUCCI_MEDULL ARY_VS_DUCTAL_B REAST_CANCER_UP | 44 | 0.1582 | 0.8708 | 0.6762 | 0.7141 | 1.0000 | 1411 | tags=45%, list=32%, signal=66% |
| BHAT_ESR1_TARG ETS_VIA_AKT1_DN | BHAT_ESR1_TARGET S_VIA_AKT1_DN | 19 | 0.3967 | 1.7100 | 0.0184 | 0.0331 | 0.9990 | 1170 | tags=63%, list=26%, signal=85% |
| BHATI_G2M_ARRE ST_BY_2METHOXY ESTRADIOL_UP | BHATI_G2M_ARREST _BY_2METHOXYEST RADIOL_UP | 28 | 0.6250 | 3.0317 | 0.0000 | 0.0000 | 0.0000 | 1429 | tags=89%, list=32%, signal=131% |

| | | | | | | | | | |
|--|--|----|--------|--------|--------|--------|--------|------|---------------------------------------|
| BHATTACHARYA_EMBRYONIC_STEM_CELL | BHATTACHARYA_EMBRYONIC_STEM_CELL | 37 | 0.2870 | 1.5202 | 0.0327 | 0.0808 | 1.0000 | 1954 | tags=81%, list=44%, signal=144% |
| BIDUS_METASTASIS_DN | BIDUS_METASTASIS_DN | 28 | 0.2000 | 0.9828 | 0.4731 | 0.5614 | 1.0000 | 145 | tags=14%, list=3%, signal=15% |
| BIDUS_METASTASIS_UP | BIDUS_METASTASIS_UP | 47 | 0.5022 | 2.8446 | 0.0000 | 0.0000 | 0.0000 | 1365 | tags=74%, list=31%, signal=106% |
| BILANGES_RAPAMYCIN_SENSITIVE_VIA_TSC1_AND_TSC2 | BILANGES_RAPAMYCIN_SENSITIVE_VIA_TSC1_AND_TSC2 | 18 | 0.2228 | 0.9304 | 0.5316 | 0.6307 | 1.0000 | 728 | tags=28%, list=16%, signal=33% |
| BILANGES_SERUM_AND_RAPAMYCIN_SENSITIVE_GENES | BILANGES_SERUM_AND_RAPAMYCIN_SENSITIVE_GENES | 27 | 0.4335 | 2.0629 | 0.0036 | 0.0043 | 0.5360 | 2137 | tags=93%, list=48%, signal=178% |
| BILANGES_SERUM_SENSITIVE_GENES | BILANGES_SERUM_SENSITIVE_GENES | 21 | 0.1912 | 0.8366 | 0.6824 | 0.7569 | 1.0000 | 924 | tags=33%, list=21%, signal=42% |
| BILD_E2F3_ONCOGENIC_SIGNATURE | BILD_E2F3_ONCOGENIC_SIGNATURE | 55 | 0.1335 | 0.8130 | 0.7537 | 0.7844 | 1.0000 | 1799 | tags=58%, list=41%, signal=97% |
| BILD_HRAS_ONCOGENIC_SIGNATURE | BILD_HRAS_ONCOGENIC_SIGNATURE | 70 | 0.2742 | 1.7480 | 0.0000 | 0.0275 | 0.9970 | 1518 | tags=57%, list=34%, signal=85% |

| | | | | | | | | | |
|---|---|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| BILD_MYC_ONCOGENIC_SIGNATURE | BILD_MYC_ONCOGENIC_SIGNATURE | 42 | 0.2223 | 1.2078 | 0.2017 | 0.2834 | 1.0000 | 1003 | tags=40%, list=23%, signal=52% |
| BILD_SRC_ONCOGENIC_SIGNATURE | BILD_SRC_ONCOGENIC_SIGNATURE | 17 | 0.2950 | 1.1768 | 0.2568 | 0.3119 | 1.0000 | 1043 | tags=47%, list=24%, signal=61% |
| BLALOCK_ALZHEIMERS_DISEASE_DN | BLALOCK_ALZHEIMERS_DISEASE_DN | 249 | 0.1378 | 1.1475 | 0.1556 | 0.3464 | 1.0000 | 1253 | tags=37%, list=28%, signal=49% |
| BLALOCK_ALZHEIMERS_DISEASE_INCIPIENT_DN | BLALOCK_ALZHEIMERS_DISEASE_INCIPIENT_DN | 23 | 0.3026 | 1.4039 | 0.0816 | 0.1336 | 1.0000 | 905 | tags=39%, list=20%, signal=49% |
| BLALOCK_ALZHEIMERS_DISEASE_INCIPIENT_UP | BLALOCK_ALZHEIMERS_DISEASE_INCIPIENT_UP | 81 | 0.1611 | 1.0506 | 0.3727 | 0.4696 | 1.0000 | 1695 | tags=58%, list=38%, signal=92% |
| BLALOCK_ALZHEIMERS_DISEASE_UP | BLALOCK_ALZHEIMERS_DISEASE_UP | 369 | 0.1133 | 0.9673 | 0.5652 | 0.5807 | 1.0000 | 1449 | tags=41%, list=33%, signal=56% |
| BLANCO_MELO_BETA_INTERFERON_TREATED_BRONCHIAL_EPITHELIAL_CELLS_DN | BLANCO_MELO_BETA_INTERFERON_TREATED_BRONCHIAL_EPITHELIAL_CELLS_DN | 47 | 0.1434 | 0.8083 | 0.7489 | 0.7887 | 1.0000 | 3467 | tags=96%, list=78%, signal=433% |

| | | | | | | | | | |
|---|---|----|--------|--------|--------|--------|--------|------|---------------------------------------|
| BLANCO_MELO_BETA_INTERFERON_TREATED_BRONCHIAL_EPITHELIAL_CELLS_UP | BLANCO_MELO_BETA_INTERFERON_TREATED_BRONCHIAL_EPITHELIAL_CELLS_UP | 72 | 0.1399 | 0.9195 | 0.6277 | 0.6424 | 1.0000 | 1241 | tags=39%, list=28%, signal=53% |
| BLANCO_MELO_BRONCHIAL_EPITHELIAL_CELLS_INFLUENZA_A_DEL_NS1_INFECTION_DN | BLANCO_MELO_BRONCHIAL_EPITHELIAL_CELLS_INFLUENZA_A_DEL_NS1_INFECTION_DN | 87 | 0.5846 | 3.9218 | 0.0000 | 0.0000 | 0.0000 | 1558 | tags=91%, list=35%, signal=137% |
| BLANCO_MELO_BRONCHIAL_EPITHELIAL_CELLS_INFLUENZA_A_DEL_NS1_INFECTION_UP | BLANCO_MELO_BRONCHIAL_EPITHELIAL_CELLS_INFLUENZA_A_DEL_NS1_INFECTION_UP | 93 | 0.1229 | 0.8450 | 0.7681 | 0.7464 | 1.0000 | 663 | tags=19%, list=15%, signal=22% |
| BLANCO_MELO_BRONCHIAL_EPITHELIAL_CELLS_INFLUENZA_A_INFECTION_DN | BLANCO_MELO_BRONCHIAL_EPITHELIAL_CELLS_INFLUENZA_A_INFECTION_DN | 16 | 0.2240 | 0.8844 | 0.5759 | 0.6964 | 1.0000 | 1234 | tags=50%, list=28%, signal=69% |
| BLANCO_MELO_BRONCHIAL_EPITHELIAL_CELLS_INFLUENZA_A_INFECTION_UP | BLANCO_MELO_BRONCHIAL_EPITHELIAL_CELLS_INFLUENZA_A_INFECTION_UP | 24 | 0.2338 | 1.0770 | 0.3793 | 0.4337 | 1.0000 | 1429 | tags=50%, list=32%, signal=73% |

| | | | | | | | | | |
|---|--|-----|--------|--------|--------|--------|--------|------|--------------------------------------|
| BLANCO_MELO_C OVID19_BRONCHIA L_EPITHELIAL_CEL LS_SARS_COV_2_I NFECTIION_UP | BLANCO_MELO_COV ID19_BRONCHIAL_EP ITHELIAL_CELLS_SA RS_COV_2_INFECTIO N_UP | 39 | 0.1625 | 0.8673 | 0.6626 | 0.7168 | 1.0000 | 72 | tags=8%, list=2%, signal=8% |
| BLANCO_MELO_C OVID19_SARS_COV _2_INFECTIION_A59 4_CELLS_UP | BLANCO_MELO_COV ID19_SARS_COV_2_I NFECTIION_A594_CEL LS_UP | 31 | 0.1595 | 0.8089 | 0.7398 | 0.7885 | 1.0000 | 1509 | tags=48%, list=34%, signal=73% |
| BLANCO_MELO_C OVID19_SARS_COV _2_POS_PATIENT_L UNG_TISSUE_DN | BLANCO_MELO_COV ID19_SARS_COV_2_P OS_PATIENT_LUNG_ TISSUE_DN | 21 | 0.3255 | 1.4103 | 0.1048 | 0.1299 | 1.0000 | 465 | tags=33%, list=10%, signal=37% |
| BLANCO_MELO_RE SPIRATORY_SYNC YTIAL_VIRUS_INFE CTION_A594_CELL S_UP | BLANCO_MELO_RES PIRATORY_SYNCYTI AL_VIRUS_INFECTIO N_A594_CELLS_UP | 66 | 0.1436 | 0.9197 | 0.6584 | 0.6431 | 1.0000 | 1037 | tags=32%, list=23%, signal=41% |
| BLUM_RESPONSE_ TO_SALIRASIB_DN | BLUM_RESPONSE_T O_SALIRASIB_DN | 113 | 0.4567 | 3.4135 | 0.0000 | 0.0000 | 0.0000 | 1089 | tags=62%, list=25%, signal=80% |
| BLUM_RESPONSE_ TO_SALIRASIB_UP | BLUM_RESPONSE_T O_SALIRASIB_UP | 44 | 0.1481 | 0.8203 | 0.7572 | 0.7746 | 1.0000 | 828 | tags=27%, list=19%, signal=33% |

| | | | | | | | | | |
|---|--|-----|--------|--------|--------|--------|--------|------|--|
| BOHN_PRIMARY_I MMUNODEFICIENC Y_SYNDROM_DN | BOHN_PRIMARY_IM MUNODEFICIENCY_S YNDROM_DN | 15 | 0.2975 | 1.1692 | 0.2477 | 0.3209 | 1.0000 | 1696 | tags=73%, list=38%, signal=118% |
| BOHN_PRIMARY_I MMUNODEFICIENC Y_SYNDROM_UP | BOHN_PRIMARY_IM MUNODEFICIENCY_S YNDROM_UP | 20 | 0.3555 | 1.5371 | 0.0499 | 0.0750 | 1.0000 | 870 | tags=45%, list=20%, signal=56% |
| BONCI_TARGETS_ OF_MIR15A_AND_ MIR16_1 | BONCI_TARGETS_OF _MIR15A_AND_MIR16 _1 | 20 | 0.2231 | 0.9636 | 0.4809 | 0.5857 | 1.0000 | 1506 | tags=60%, list=34%, signal=90% |
| BONOME_OVARIA N_CANCER_SURVI VAL_SUBOPTIMAL _DEBULKING | BONOME_OVARIAN_ CANCER_SURVIVAL_ SUBOPTIMAL_DEBU L_KING | 112 | 0.2011 | 1.4209 | 0.0315 | 0.1242 | 1.0000 | 473 | tags=23%, list=11%, signal=25% |
| BOQUEST_STEM_C ELL_UP | BOQUEST_STEM_CEL L_UP | 127 | 0.2503 | 1.8511 | 0.0000 | 0.0157 | 0.9530 | 731 | tags=35%, list=16%, signal=41% |
| BORCZUK_MALIG NANT_MESOTHELI OMA_UP | BORCZUK_MALIGNA NT_MESOTHELIOMA _UP | 66 | 0.5174 | 3.2276 | 0.0000 | 0.0000 | 0.0000 | 1382 | tags=74%, list=31%, signal=106% |
| BORLAK_LIVER_C ANCER_EGF_UP | BORLAK_LIVER_CAN CER_EGF_UP | 24 | 0.5568 | 2.5260 | 0.0000 | 0.0001 | 0.0070 | 926 | tags=67%, list=21%, signal=84% |
| BOSCO_EPITHELIA L_DIFFERENTIATIO N_MODULE | BOSCO_EPITHELIAL_ DIFFERENTIATION_ MODULE | 19 | 0.2288 | 0.9773 | 0.4781 | 0.5687 | 1.0000 | 3425 | tags=100%, list=77%, signal=437% |

| | | | | | | | | | |
|--|--|----|--------|--------|--------|--------|--------|------|--|
| BOUDOUKHA_BOU ND_BY_IGF2BP2 | BOUDOUKHA_BOUN D_BY_IGF2BP2 | 24 | 0.4550 | 2.1534 | 0.0000 | 0.0025 | 0.3000 | 2037 | tags=88%, list=46%, signal=161% |
| BOYAUULT_LIVER_ CANCER_SUBCLAS S_G1_UP | BOYAUULT_LIVER_CA NCER_SUBCLASS_G1 _UP | 30 | 0.5610 | 2.7915 | 0.0000 | 0.0000 | 0.0000 | 811 | tags=60%, list=18%, signal=73% |
| BOYAUULT_LIVER_ CANCER_SUBCLAS S_G123_UP | BOYAUULT_LIVER_CA NCER_SUBCLASS_G1 23_UP | 16 | 0.7105 | 2.7381 | 0.0000 | 0.0000 | 0.0010 | 1295 | tags=100%, list=29%, signal=141% |
| BOYAUULT_LIVER_ CANCER_SUBCLAS S_G23_UP | BOYAUULT_LIVER_CA NCER_SUBCLASS_G2 3_UP | 22 | 0.5888 | 2.6171 | 0.0000 | 0.0001 | 0.0040 | 1683 | tags=95%, list=38%, signal=153% |
| BOYAUULT_LIVER_ CANCER_SUBCLAS S_G3_UP | BOYAUULT_LIVER_CA NCER_SUBCLASS_G3 _UP | 44 | 0.6166 | 3.3494 | 0.0000 | 0.0000 | 0.0000 | 1449 | tags=89%, list=33%, signal=130% |
| BOYLAN_MULTIP LE_MYELOMA_C_D N | BOYLAN_MULTIPLE_ MYELOMA_C_DN | 15 | 0.4793 | 1.7893 | 0.0032 | 0.0224 | 0.9950 | 441 | tags=40%, list=10%, signal=44% |
| BROCKE_APOPTOS IS_REVERSED_BY_ IL6 | BROCKE_APOPTOSIS _REVERSED_BY_IL6 | 29 | 0.2202 | 1.0739 | 0.3474 | 0.4380 | 1.0000 | 1282 | tags=48%, list=29%, signal=67% |
| BROWNE_HCMV_I NFECTIION_12HR_D N | BROWNE_HCMV_INF ECTION_12HR_DN | 25 | 0.1487 | 0.7147 | 0.8379 | 0.8878 | 1.0000 | 551 | tags=20%, list=12%, signal=23% |

| | | | | | | | | | |
|--|---------------------------------------|-----|--------|--------|--------|--------|--------|------|--------------------------------------|
| BROWNE_HCMV_INF FECTION_12HR_UP | BROWNE_HCMV_INF ECTION_12HR_UP | 19 | 0.2952 | 1.2219 | 0.1827 | 0.2685 | 1.0000 | 920 | tags=47%, list=21%, signal=60% |
| BROWNE_HCMV_INF FECTION_14HR_D N | BROWNE_HCMV_INF ECTION_14HR_D N | 80 | 0.2199 | 1.4755 | 0.0321 | 0.0991 | 1.0000 | 386 | tags=21%, list=9%, signal=23% |
| BROWNE_HCMV_INF FECTION_16HR_D N | BROWNE_HCMV_INF ECTION_16HR_D N | 27 | 0.2436 | 1.1870 | 0.2199 | 0.3012 | 1.0000 | 1056 | tags=44%, list=24%, signal=58% |
| BROWNE_HCMV_INF FECTION_20HR_D N | BROWNE_HCMV_INF ECTION_20HR_D N | 33 | 0.3463 | 1.7371 | 0.0077 | 0.0288 | 0.9980 | 1124 | tags=55%, list=25%, signal=73% |
| BROWNE_HCMV_INF FECTION_24HR_D N | BROWNE_HCMV_INF ECTION_24HR_D N | 51 | 0.3047 | 1.7875 | 0.0043 | 0.0225 | 0.9950 | 600 | tags=35%, list=14%, signal=40% |
| BROWNE_HCMV_INF FECTION_2HR_D N | BROWNE_HCMV_INF ECTION_2HR_D N | 21 | 0.7068 | 3.1605 | 0.0000 | 0.0000 | 0.0000 | 610 | tags=76%, list=14%, signal=88% |
| BROWNE_HCMV_INF FECTION_48HR_D N | BROWNE_HCMV_INF ECTION_48HR_D N | 127 | 0.1870 | 1.3809 | 0.0263 | 0.1458 | 1.0000 | 1231 | tags=44%, list=28%, signal=59% |
| BROWNE_HCMV_INF FECTION_6HR_D N | BROWNE_HCMV_INF ECTION_6HR_D N | 26 | 0.3025 | 1.4530 | 0.0772 | 0.1094 | 1.0000 | 1591 | tags=62%, list=36%, signal=95% |

| | | | | | | | | | |
|--|--|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| BRUECKNER_TAR GETS_OF_MIRLET7 A3_DN | BRUECKNER_TARGE TS_OF_MIRLET7A3_D N | 28 | 0.4805 | 2.3534 | 0.0000 | 0.0005 | 0.0520 | 1202 | tags=64%, list=27%, signal=88% |
| BRUINS_UVC_RESP ONSE_EARLY_LAT E | BRUINS_UVC_RESPO NSE_EARLY_LATE | 46 | 0.2206 | 1.2412 | 0.1522 | 0.2513 | 1.0000 | 892 | tags=39%, list=20%, signal=48% |
| BRUINS_UVC_RESP ONSE_LATE | BRUINS_UVC_RESPO NSE_LATE | 263 | 0.1891 | 1.6046 | 0.0000 | 0.0547 | 1.0000 | 1011 | tags=35%, list=23%, signal=43% |
| BRUINS_UVC_RESP ONSE_VIA_TP53_G ROUP_D | BRUINS_UVC_RESPO NSE_VIA_TP53_GROU P_D | 71 | 0.1472 | 0.9618 | 0.5503 | 0.5884 | 1.0000 | 898 | tags=28%, list=20%, signal=35% |
| BRUNO_HEMATOP OIESIS | BRUNO_HEMATOPOI ESIS | 26 | 0.1981 | 0.9270 | 0.5906 | 0.6338 | 1.0000 | 192 | tags=15%, list=4%, signal=16% |
| BUFFA_HYPOXIA_ METAGENE | BUFFA_HYPOXIA_M ETAGENE | 21 | 0.3592 | 1.5529 | 0.0364 | 0.0702 | 1.0000 | 1860 | tags=86%, list=42%, signal=147% |
| BURTON_ADIPOGE NESIS_2 | BURTON_ADIPOGEN ESIS_2 | 26 | 0.2263 | 1.0625 | 0.3583 | 0.4555 | 1.0000 | 825 | tags=31%, list=19%, signal=38% |
| BURTON_ADIPOGE NESIS_3 | BURTON_ADIPOGEN ESIS_3 | 48 | 0.6014 | 3.5140 | 0.0000 | 0.0000 | 0.0000 | 1382 | tags=85%, list=31%, signal=123% |

| | | | | | | | | | |
|---|---|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| BURTON_ADIPOGE NESIS_7 | BURTON_ADIPOGEN ESIS_7 | 18 | 0.4767 | 2.0158 | 0.0000 | 0.0057 | 0.6600 | 1608 | tags=83%, list=36%, signal=130% |
| BURTON_ADIPOGE NESIS_8 | BURTON_ADIPOGEN ESIS_8 | 31 | 0.4652 | 2.3572 | 0.0000 | 0.0004 | 0.0490 | 1080 | tags=65%, list=24%, signal=85% |
| BURTON_ADIPOGE NESIS_9 | BURTON_ADIPOGEN ESIS_9 | 25 | 0.3219 | 1.5329 | 0.0453 | 0.0763 | 1.0000 | 980 | tags=48%, list=22%, signal=61% |
| BURTON_ADIPOGE NESIS_PEAK_AT_0 HR | BURTON_ADIPOGEN ESIS_PEAK_AT_0HR | 30 | 0.3495 | 1.7763 | 0.0037 | 0.0237 | 0.9960 | 661 | tags=43%, list=15%, signal=51% |
| BURTON_ADIPOGE NESIS_PEAK_AT_24 HR | BURTON_ADIPOGEN ESIS_PEAK_AT_24HR | 22 | 0.7038 | 3.1150 | 0.0000 | 0.0000 | 0.0000 | 610 | tags=73%, list=14%, signal=84% |
| BURTON_ADIPOGE NESIS_PEAK_AT_2 HR | BURTON_ADIPOGEN ESIS_PEAK_AT_2HR | 15 | 0.3159 | 1.2146 | 0.2012 | 0.2757 | 1.0000 | 1377 | tags=60%, list=31%, signal=87% |
| BUYTAERT_PHOTO DYNAMIC_THERAP Y_STRESS_DN | BUYTAERT_PHOTOD YNAMIC_THERAPY_ STRESS_DN | 153 | 0.2777 | 2.0515 | 0.0000 | 0.0045 | 0.5620 | 1175 | tags=49%, list=26%, signal=64% |
| BUYTAERT_PHOTO DYNAMIC_THERAP Y_STRESS_UP | BUYTAERT_PHOTOD YNAMIC_THERAPY_ STRESS_UP | 137 | 0.2417 | 1.7972 | 0.0000 | 0.0212 | 0.9910 | 1464 | tags=54%, list=33%, signal=78% |

| | | | | | | | | | |
|---|---|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| CAFFAREL_RESPOSE_TO_THC_24HR_5_DN | CAFFAREL_RESPONSE_TO_THC_24HR_5_DN | 19 | 0.4400 | 1.8609 | 0.0195 | 0.0148 | 0.9480 | 592 | tags=42%, list=13%, signal=48% |
| CAIRO_HEPATOBLASTOMA_CLASSES_UP | CAIRO_HEPATOBLASTOMA_CLASSES_UP | 148 | 0.4623 | 3.5656 | 0.0000 | 0.0000 | 0.0000 | 1349 | tags=66%, list=30%, signal=92% |
| CAIRO_HEPATOBLASTOMA_UP | CAIRO_HEPATOBLASTOMA_UP | 62 | 0.4987 | 3.0826 | 0.0000 | 0.0000 | 0.0000 | 1022 | tags=65%, list=23%, signal=83% |
| CAIRO_LIVER_DEVELOPMENT_UP | CAIRO_LIVER_DEVELOPMENT_UP | 50 | 0.4447 | 2.5597 | 0.0000 | 0.0001 | 0.0050 | 1689 | tags=82%, list=38%, signal=131% |
| CARD_MIR302A_TARGETS | CARD_MIR302A_TARGETS | 18 | 0.2767 | 1.1525 | 0.2928 | 0.3395 | 1.0000 | 1993 | tags=78%, list=45%, signal=141% |
| CASORELLI_ACUTE_PROMYELOCYTIC_LEUKEMIA_DN | CASORELLI_ACUTE_PROMYELOCYTIC_LEUKEMIA_DN | 202 | 0.2554 | 2.0714 | 0.0000 | 0.0041 | 0.5090 | 1251 | tags=47%, list=28%, signal=62% |
| CASORELLI_ACUTE_PROMYELOCYTIC_LEUKEMIA_UP | CASORELLI_ACUTE_PROMYELOCYTIC_LEUKEMIA_UP | 30 | 0.1514 | 0.7498 | 0.8132 | 0.8541 | 1.0000 | 774 | tags=30%, list=17%, signal=36% |
| CASTELLANO_NRAS_TARGETS_UP | CASTELLANO_NRAS_TARGETS_UP | 26 | 0.1253 | 0.5967 | 0.9386 | 0.9601 | 1.0000 | 78 | tags=8%, list=2%, signal=8% |

| | | | | | | | | | |
|---|---|----|--------|--------|--------|--------|--------|------|---------------------------------------|
| CERVERA_SDHB_TARGETS_1_UP | CERVERA_SDHB_TARGETS_1_UP | 49 | 0.3615 | 2.0452 | 0.0000 | 0.0047 | 0.5710 | 919 | tags=47%, list=21%, signal=59% |
| CHANDRAN_META_STASIS_DN | CHANDRAN_METASTASIS_DN | 77 | 0.2868 | 1.9005 | 0.0000 | 0.0117 | 0.8980 | 1130 | tags=49%, list=25%, signal=65% |
| CHANDRAN_META_STASIS_UP | CHANDRAN_METASTASIS_UP | 46 | 0.1953 | 1.1238 | 0.2965 | 0.3752 | 1.0000 | 738 | tags=28%, list=17%, signal=34% |
| CHANG_IMMORTALIZED_BY_HP31_UP | CHANG_IMMORTALIZED_BY_HP31_UP | 23 | 0.2275 | 1.0111 | 0.4250 | 0.5250 | 1.0000 | 801 | tags=35%, list=18%, signal=42% |
| CHANGOLKAR_H2AFY_TARGETS_UP | CHANGOLKAR_H2AFY_TARGETS_UP | 15 | 0.1903 | 0.7212 | 0.8328 | 0.8820 | 1.0000 | 794 | tags=33%, list=18%, signal=40% |
| CHARAFE_BREAST_CANCER_BASAL_VS_MESENCHYMAL_DN | CHARAFE_BREAST_CANCER_BASAL_VS_MESENCHYMAL_DN | 23 | 0.4717 | 2.1326 | 0.0000 | 0.0028 | 0.3530 | 1672 | tags=78%, list=38%, signal=125% |
| CHARAFE_BREAST_CANCER_BASAL_VS_MESENCHYMAL_UP | CHARAFE_BREAST_CANCER_BASAL_VS_MESENCHYMAL_UP | 36 | 0.4897 | 2.5954 | 0.0000 | 0.0001 | 0.0040 | 1795 | tags=89%, list=40%, signal=148% |

| | | | | | | | | | |
|---|---|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| CHARAFE_BREAST_CANCER_LUMINAL_VS_BASAL_DN | CHARAFE_BREAST_CANCER_LUMINAL_VS_BASAL_DN | 142 | 0.3324 | 2.4508 | 0.0000 | 0.0001 | 0.0140 | 1275 | tags=54%, list=29%, signal=73% |
| CHARAFE_BREAST_CANCER_LUMINAL_VS_BASAL_UP | CHARAFE_BREAST_CANCER_LUMINAL_VS_BASAL_UP | 71 | 0.2208 | 1.4445 | 0.0345 | 0.1134 | 1.0000 | 398 | tags=23%, list=9%, signal=24% |
| CHARAFE_BREAST_CANCER_LUMINAL_VS_MESENCHYMAL_DN | CHARAFE_BREAST_CANCER_LUMINAL_VS_MESENCHYMAL_DN | 156 | 0.4395 | 3.2127 | 0.0000 | 0.0000 | 0.0000 | 1493 | tags=72%, list=34%, signal=105% |
| CHARAFE_BREAST_CANCER_LUMINAL_VS_MESENCHYMAL_UP | CHARAFE_BREAST_CANCER_LUMINAL_VS_MESENCHYMAL_UP | 117 | 0.2472 | 1.8036 | 0.0000 | 0.0207 | 0.9860 | 582 | tags=27%, list=13%, signal=31% |
| CHAUHAN_RESPONSE_TO_METHOXYESTRADIOL_DN | CHAUHAN_RESPONSE_TO_METHOXYESTRADIOL_DN | 24 | 0.2895 | 1.3307 | 0.1246 | 0.1774 | 1.0000 | 2108 | tags=79%, list=48%, signal=150% |
| CHEMNITZ_RESPONSE_TO_PROSTAGLANDIN_E2_UP | CHEMNITZ_RESPONSE_TO_PROSTAGLANDIN_E2_UP | 57 | 0.4802 | 2.8973 | 0.0000 | 0.0000 | 0.0000 | 1349 | tags=74%, list=30%, signal=105% |
| CHEN_HOXA5_TARGETS_9HR_UP | CHEN_HOXA5_TARGETS_9HR_UP | 27 | 0.2087 | 0.9850 | 0.4478 | 0.5586 | 1.0000 | 1269 | tags=52%, list=29%, signal=72% |

| | | | | | | | | | |
|---|---|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| CHEN_METABOLIC _SYNDROM_NETWORK | CHEN_METABOLIC_S YNDROM_NETWORK | 378 | 0.1932 | 1.6236 | 0.0000 | 0.0503 | 1.0000 | 1212 | tags=44%, list=27%, signal=56% |
| CHENG_IMPRINTE D_BY ESTRADIOL | CHENG_IMPRINTED_ BY ESTRADIOL | 16 | 0.1569 | 0.6174 | 0.9324 | 0.9516 | 1.0000 | 1321 | tags=44%, list=30%, signal=62% |
| CHESLER_BRAIN_ HIGHEST_GENETIC _VARIANCE | CHESLER_BRAIN_HI GHEST_GENETIC_VA RIANCE | 15 | 0.2498 | 0.9317 | 0.5377 | 0.6289 | 1.0000 | 1489 | tags=60%, list=34%, signal=90% |
| CHESLER_BRAIN_ QTL_CIS | CHESLER_BRAIN_QT L_CIS | 27 | 0.3856 | 1.8224 | 0.0099 | 0.0186 | 0.9770 | 585 | tags=41%, list=13%, signal=47% |
| CHIANG_LIVER_CA NCER_SUBCLASS_ CTNNB1_DN | CHIANG_LIVER_CAN CER_SUBCLASS_CT NB1_DN | 84 | 0.1922 | 1.2616 | 0.1118 | 0.2336 | 1.0000 | 363 | tags=20%, list=8%, signal=22% |
| CHIANG_LIVER_CA NCER_SUBCLASS_ PROLIFERATION_U P | CHIANG_LIVER_CAN CER_SUBCLASS_PRO LIFERATION_UP | 110 | 0.6848 | 4.9487 | 0.0000 | 0.0000 | 0.0000 | 1161 | tags=89%, list=26%, signal=118% |
| CHIANG_LIVER_CA NCER_SUBCLASS_ UNANNOTATED_D N | CHIANG_LIVER_CAN CER_SUBCLASS_UN ANNOTATED_DN | 41 | 0.4701 | 2.6194 | 0.0000 | 0.0001 | 0.0040 | 1475 | tags=76%, list=33%, signal=112% |

| | | | | | | | | | |
|---|---|----|--------|--------|--------|--------|--------|------|--------------------------------------|
| CHIARADONNA_N EOPLASTIC_TRANS FORMATION_CDC2 5_DN | CHIARADONNA_NEO PLASTIC_TRANSFOR MATION_CDC25_DN | 51 | 0.2835 | 1.7173 | 0.0050 | 0.0320 | 0.9990 | 558 | tags=31%, list=13%, signal=35% |
| CHIARADONNA_N EOPLASTIC_TRANS FORMATION_CDC2 5_UP | CHIARADONNA_NEO PLASTIC_TRANSFOR MATION_CDC25_UP | 44 | 0.2293 | 1.2739 | 0.1345 | 0.2223 | 1.0000 | 257 | tags=18%, list=6%, signal=19% |
| CHIARADONNA_N EOPLASTIC_TRANS FORMATION_KRAS _CDC25_DN | CHIARADONNA_NEO PLASTIC_TRANSFOR MATION_KRAS_CDC 25_DN | 24 | 0.2098 | 0.9872 | 0.4503 | 0.5560 | 1.0000 | 1151 | tags=46%, list=26%, signal=62% |
| CHIARADONNA_N EOPLASTIC_TRANS FORMATION_KRAS _CDC25_UP | CHIARADONNA_NEO PLASTIC_TRANSFOR MATION_KRAS_CDC 25_UP | 17 | 0.5376 | 2.1461 | 0.0065 | 0.0026 | 0.3170 | 1192 | tags=71%, list=27%, signal=96% |
| CHIARADONNA_N EOPLASTIC_TRANS FORMATION_KRAS _DN | CHIARADONNA_NEO PLASTIC_TRANSFOR MATION_KRAS_DN | 47 | 0.3636 | 2.1072 | 0.0000 | 0.0033 | 0.4070 | 658 | tags=40%, list=15%, signal=47% |
| CHIARADONNA_N EOPLASTIC_TRANS FORMATION_KRAS _UP | CHIARADONNA_NEO PLASTIC_TRANSFOR MATION_KRAS_UP | 42 | 0.4186 | 2.3177 | 0.0000 | 0.0006 | 0.0710 | 1160 | tags=62%, list=26%, signal=83% |

| | | | | | | | | | |
|--|--|-----|--------|--------|--------|--------|--------|------|--|
| CHIARETTI_ACUTE_LYMPHOBLASTIC_LEUKEMIA_ZAP70 | CHIARETTI_ACUTE_LYMPHOBLASTIC_LEUKEMIA_ZAP70 | 15 | 0.5089 | 2.0282 | 0.0085 | 0.0053 | 0.6240 | 1161 | tags=67%, list=26%, signal=90% |
| CHIBA_RESPONSE_TO_TSA_UP | CHIBA_RESPONSE_TO_TSA_UP | 19 | 0.3498 | 1.4913 | 0.0678 | 0.0921 | 1.0000 | 437 | tags=32%, list=10%, signal=35% |
| CHICAS_RB1_TARGETS_CONFLUENT | CHICAS_RB1_TARGETS_CONFLUENT | 217 | 0.3379 | 2.7629 | 0.0000 | 0.0000 | 0.0000 | 1618 | tags=66%, list=36%, signal=99% |
| CHICAS_RB1_TARGETS_GROWING | CHICAS_RB1_TARGETS_GROWING | 89 | 0.4410 | 2.8924 | 0.0000 | 0.0000 | 0.0000 | 1251 | tags=64%, list=28%, signal=87% |
| CHICAS_RB1_TARGETS_LOW_SERUM | CHICAS_RB1_TARGETS_LOW_SERUM | 29 | 0.3862 | 1.8820 | 0.0069 | 0.0130 | 0.9240 | 1382 | tags=62%, list=31%, signal=90% |
| CHICAS_RB1_TARGETS_SENESCENT | CHICAS_RB1_TARGETS_SENESCENT | 165 | 0.2644 | 1.9678 | 0.0000 | 0.0077 | 0.7770 | 1428 | tags=53%, list=32%, signal=75% |
| CHNG_MULTIPLE_MYELOMA_HYPERPLOID_UP | CHNG_MULTIPLE_MYELOMA_HYPERPLOID_UP | 21 | 0.5206 | 2.2992 | 0.0000 | 0.0008 | 0.0900 | 2137 | tags=100%, list=48%, signal=192% |
| CLASPER_LYMPHATIC_VESSELS_DURING_METASTASIS_DN | CLASPER_LYMPHATIC_VESSELS_DURING_METASTASIS_DN | 23 | 0.5385 | 2.4504 | 0.0000 | 0.0001 | 0.0140 | 566 | tags=52%, list=13%, signal=59% |

| | | | | | | | | | |
|---|---|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| COLDREN_GEFITINIB_RESISTANCE_DN | COLDREN_GEFITINIB_RESISTANCE_DN | 70 | 0.4317 | 2.6978 | 0.0000 | 0.0000 | 0.0020 | 1699 | tags=76%, list=38%, signal=121% |
| COLIN_PILOCYTIC_ASTROCYTOMA_VS_GLIOMASTOMA_UP | COLIN_PILOCYTIC_ASTROCYTOMA_VS_GLIOMASTOMA_UP | 16 | 0.2903 | 1.1363 | 0.2926 | 0.3609 | 1.0000 | 986 | tags=50%, list=22%, signal=64% |
| COLINA_TARGETS_OF_4EBP1_AND_4EBP2 | COLINA_TARGETS_OF_4EBP1_AND_4EBP2 | 127 | 0.2523 | 1.8696 | 0.0000 | 0.0140 | 0.9350 | 1114 | tags=43%, list=25%, signal=55% |
| CONCANNON_APOPTOSIS_BY_EPOXOMICIN_DN | CONCANNON_APOPTOSIS_BY_EPOXOMICIN_DN | 66 | 0.4493 | 2.8216 | 0.0000 | 0.0000 | 0.0000 | 693 | tags=50%, list=16%, signal=58% |
| CONCANNON_APOPTOSIS_BY_EPOXOMICIN_UP | CONCANNON_APOPTOSIS_BY_EPOXOMICIN_UP | 56 | 0.3295 | 1.9942 | 0.0000 | 0.0065 | 0.7150 | 980 | tags=46%, list=22%, signal=59% |
| CORRE_MULTIPLE_MYELOMA_UP | CORRE_MULTIPLE_MYELOMA_UP | 24 | 0.2169 | 0.9682 | 0.5033 | 0.5808 | 1.0000 | 621 | tags=29%, list=14%, signal=34% |
| COULOUARN_TEMPORAL_TGFB1_SIGNATURE_UP | COULOUARN_TEMPORAL_TGFB1_SIGNATURE_UP | 31 | 0.4214 | 2.1455 | 0.0000 | 0.0026 | 0.3180 | 583 | tags=42%, list=13%, signal=48% |
| COWLING_MYCN_TARGETS | COWLING_MYCN_TARGETS | 16 | 0.3429 | 1.3653 | 0.1085 | 0.1552 | 1.0000 | 1582 | tags=69%, list=36%, signal=106% |

| | | | | | | | | | |
|--|--|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| CREIGHTON_ENDO CRINE_THERAPY_ RESISTANCE_1 | CREIGHTON_ENDOC RINE_THERAPY_RESI STANCE_1 | 139 | 0.3048 | 2.2224 | 0.0000 | 0.0014 | 0.1670 | 1132 | tags=49%, list=26%, signal=64% |
| CREIGHTON_ENDO CRINE_THERAPY_ RESISTANCE_2 | CREIGHTON_ENDOC RINE_THERAPY_RESI STANCE_2 | 66 | 0.2147 | 1.3429 | 0.0929 | 0.1694 | 1.0000 | 1268 | tags=44%, list=29%, signal=61% |
| CREIGHTON_ENDO CRINE_THERAPY_ RESISTANCE_4 | CREIGHTON_ENDOC RINE_THERAPY_RESI STANCE_4 | 82 | 0.2489 | 1.6470 | 0.0000 | 0.0451 | 1.0000 | 967 | tags=37%, list=22%, signal=46% |
| CREIGHTON_ENDO CRINE_THERAPY_ RESISTANCE_5 | CREIGHTON_ENDOC RINE_THERAPY_RESI STANCE_5 | 107 | 0.2337 | 1.6519 | 0.0000 | 0.0440 | 1.0000 | 1693 | tags=60%, list=38%, signal=94% |
| CROMER_METAST ASIS_DN | CROMER_METASTAS IS_DN | 26 | 0.4996 | 2.2678 | 0.0000 | 0.0010 | 0.1180 | 856 | tags=50%, list=19%, signal=62% |
| CROMER_METAST ASIS_UP | CROMER_METASTAS IS_UP | 16 | 0.4465 | 1.7442 | 0.0152 | 0.0279 | 0.9970 | 1772 | tags=81%, list=40%, signal=135% |
| CROMER_TUMORI GENESIS_UP | CROMER_TUMORIGE NESIS_UP | 27 | 0.6334 | 3.1111 | 0.0000 | 0.0000 | 0.0000 | 536 | tags=63%, list=12%, signal=71% |
| CROONQUIST_IL6_ DEPRIVATION_DN | CROONQUIST_IL6_D EPRIVATION_DN | 48 | 0.6264 | 3.6462 | 0.0000 | 0.0000 | 0.0000 | 1122 | tags=81%, list=25%, signal=108% |

| | | | | | | | | | |
|---|---|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| CROONQUIST_NRA S_SIGNALING_DN | CROONQUIST_NRAS_ SIGNALING_DN | 33 | 0.6738 | 3.4344 | 0.0000 | 0.0000 | 0.0000 | 1197 | tags=88%, list=27%, signal=119% |
| CROONQUIST_NRA S_VS_STROMAL_S TIMULATION_DN | CROONQUIST_NRAS_ VS_STROMAL_STIMU LATION_DN | 50 | 0.5764 | 3.3185 | 0.0000 | 0.0000 | 0.0000 | 1122 | tags=72%, list=25%, signal=95% |
| CROONQUIST_STR OMAL_STIMULATI ON_UP | CROONQUIST_STRO MAL_STIMULATION_ UP | 23 | 0.5681 | 2.4976 | 0.0000 | 0.0001 | 0.0080 | 921 | tags=65%, list=21%, signal=82% |
| CUI_GLUCOSE_DEP RIVATION | CUI_GLUCOSE_DEPR IVATION | 16 | 0.3040 | 1.1913 | 0.2417 | 0.2971 | 1.0000 | 1429 | tags=56%, list=32%, signal=83% |
| CUI_TCF21_TARGE TS_2_UP | CUI_TCF21_TARGETS _2_UP | 154 | 0.3000 | 2.2832 | 0.0000 | 0.0009 | 0.1020 | 1148 | tags=47%, list=26%, signal=61% |
| CUI_TCF21_TARGE TS_UP | CUI_TCF21_TARGETS _UP | 20 | 0.4667 | 1.9497 | 0.0095 | 0.0086 | 0.8160 | 576 | tags=45%, list=13%, signal=51% |
| DACOSTA_UV_RES PONSE_VIA_ERCC3 _COMMON_DN | DACOSTA_UV_RESP ONSE_VIA_ERCC3_C OMMON_DN | 83 | 0.4234 | 2.8765 | 0.0000 | 0.0000 | 0.0000 | 1225 | tags=61%, list=28%, signal=83% |
| DACOSTA_UV_RES PONSE_VIA_ERCC3 _COMMON_UP | DACOSTA_UV_RESP ONSE_VIA_ERCC3_C OMMON_UP | 19 | 0.2750 | 1.1399 | 0.2997 | 0.3561 | 1.0000 | 1460 | tags=63%, list=33%, signal=94% |

| | | | | | | | | | |
|--|--|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| DACOSTA_UV_RES PONSE_VIA_ERCC3 _DN | DACOSTA_UV_RESP ONSE_VIA_ERCC3_D N | 155 | 0.4155 | 3.1741 | 0.0000 | 0.0000 | 0.0000 | 1209 | tags=58%, list=27%, signal=77% |
| DACOSTA_UV_RES PONSE_VIA_ERCC3 _TTD_DN | DACOSTA_UV_RESP ONSE_VIA_ERCC3_T TD_DN | 15 | 0.2382 | 0.9414 | 0.5030 | 0.6165 | 1.0000 | 1028 | tags=40%, list=23%, signal=52% |
| DACOSTA_UV_RES PONSE_VIA_ERCC3 _UP | DACOSTA_UV_RESP ONSE_VIA_ERCC3_U P | 74 | 0.1976 | 1.2499 | 0.1011 | 0.2436 | 1.0000 | 791 | tags=31%, list=18%, signal=37% |
| DAIRKEE_CANCER _PRONE_RESPONS E_BPA_E2 | DAIRKEE_CANCER_P RONE_RESPONSE_BP A_E2 | 30 | 0.1862 | 0.9168 | 0.5594 | 0.6467 | 1.0000 | 1860 | tags=67%, list=42%, signal=114% |
| DANG_BOUND_BY _MYC | DANG_BOUND_BY_ MYC | 198 | 0.1342 | 1.0809 | 0.2911 | 0.4295 | 1.0000 | 1207 | tags=36%, list=27%, signal=47% |
| DANG_MYC_TARG ETS_UP | DANG_MYC_TARGET S_UP | 35 | 0.2876 | 1.4899 | 0.0623 | 0.0925 | 1.0000 | 2034 | tags=83%, list=46%, signal=152% |
| DANG_REGULATE D_BY_MYC_DN | DANG_REGULATED_ BY_MYC_DN | 81 | 0.2586 | 1.7436 | 0.0000 | 0.0279 | 0.9970 | 1151 | tags=46%, list=26%, signal=61% |
| DANG_REGULATE D_BY_MYC_UP | DANG_REGULATED_ BY_MYC_UP | 18 | 0.2914 | 1.2476 | 0.1912 | 0.2457 | 1.0000 | 761 | tags=44%, list=17%, signal=53% |

| | | | | | | | | | |
|---|---|----|--------|--------|--------|--------|--------|-----|--------------------------------------|
| DARWICHE_PAPIL LOMA_RISK_HIGH_ DN | DARWICHE_PAPILLO MA_RISK_HIGH_DN | 46 | 0.2382 | 1.3614 | 0.0769 | 0.1573 | 1.0000 | 848 | tags=35%, list=19%, signal=43% |
| DARWICHE_PAPIL LOMA_RISK_HIGH_ UP | DARWICHE_PAPILLO MA_RISK_HIGH_UP | 35 | 0.2492 | 1.3035 | 0.1479 | 0.1985 | 1.0000 | 455 | tags=26%, list=10%, signal=28% |
| DARWICHE_PAPIL LOMA_RISK_LOW_ DN | DARWICHE_PAPILLO MA_RISK_LOW_DN | 43 | 0.2034 | 1.1256 | 0.2907 | 0.3738 | 1.0000 | 848 | tags=33%, list=19%, signal=40% |
| DARWICHE_PAPIL LOMA_RISK_LOW_ UP | DARWICHE_PAPILLO MA_RISK_LOW_UP | 38 | 0.2684 | 1.4137 | 0.0821 | 0.1283 | 1.0000 | 761 | tags=34%, list=17%, signal=41% |
| DARWICHE_SKIN_ TUMOR_PROMOTE R_DN | DARWICHE_SKIN_TU MOR_PROMOTER_DN | 48 | 0.1591 | 0.9019 | 0.6391 | 0.6683 | 1.0000 | 848 | tags=29%, list=19%, signal=36% |
| DARWICHE_SKIN_ TUMOR_PROMOTE R_UP | DARWICHE_SKIN_TU MOR_PROMOTER_UP | 33 | 0.3362 | 1.7049 | 0.0178 | 0.0338 | 1.0000 | 764 | tags=39%, list=17%, signal=47% |
| DARWICHE_SQUA MOUS_CELL_CARC INOMA_DN | DARWICHE_SQUAM OUS_CELL_CARCINO MA_DN | 41 | 0.2022 | 1.1014 | 0.3049 | 0.4054 | 1.0000 | 848 | tags=34%, list=19%, signal=42% |
| DARWICHE_SQUA MOUS_CELL_CARC INOMA_UP | DARWICHE_SQUAM OUS_CELL_CARCINO MA_UP | 40 | 0.2923 | 1.6156 | 0.0423 | 0.0521 | 1.0000 | 455 | tags=28%, list=10%, signal=30% |

| | | | | | | | | | |
|---|---|----|--------|--------|--------|--------|--------|------|--------------------------------------|
| DAVICIONI_MOLECULAR_ARMS_VSERMS_DN | DAVICIONI_MOLECULAR_ARMS_VSERMS_DN | 39 | 0.3665 | 2.0142 | 0.0000 | 0.0058 | 0.6690 | 1493 | tags=64%, list=34%, signal=96% |
| DAVICIONI_MOLECULAR_ARMS_VSERMS_UP | DAVICIONI_MOLECULAR_ARMS_VSERMS_UP | 73 | 0.1512 | 0.9680 | 0.5444 | 0.5806 | 1.0000 | 713 | tags=25%, list=16%, signal=29% |
| DAVICIONI_TARGETS_OF_PAX_FOXO1_FUSIONS_DN | DAVICIONI_TARGETS_OF_PAX_FOXO1_FUSIONS_DN | 21 | 0.1946 | 0.8308 | 0.7072 | 0.7639 | 1.0000 | 1241 | tags=43%, list=28%, signal=59% |
| DAVICIONI_TARGETS_OF_PAX_FOXO1_FUSIONS_UP | DAVICIONI_TARGETS_OF_PAX_FOXO1_FUSIONS_UP | 73 | 0.3056 | 2.0290 | 0.0064 | 0.0053 | 0.6210 | 674 | tags=34%, list=15%, signal=40% |
| DAZARD_RESPONSE_TO_UV_NHEK_DN | DAZARD_RESPONSE_TO_UV_NHEK_DN | 52 | 0.3964 | 2.4229 | 0.0000 | 0.0002 | 0.0210 | 1301 | tags=67%, list=29%, signal=94% |
| DAZARD_RESPONSE_TO_UV_SCC_DN | DAZARD_RESPONSE_TO_UV_SCC_DN | 17 | 0.5215 | 2.0794 | 0.0000 | 0.0039 | 0.4800 | 1200 | tags=71%, list=27%, signal=96% |
| DAZARD_RESPONSE_TO_UV_SCC_UP | DAZARD_RESPONSE_TO_UV_SCC_UP | 21 | 0.3712 | 1.6502 | 0.0201 | 0.0443 | 1.0000 | 546 | tags=33%, list=12%, signal=38% |
| DAZARD_UV_RESPONSE_CLUSTER_G6 | DAZARD_UV_RESPONSE_CLUSTER_G6 | 31 | 0.5042 | 2.5197 | 0.0000 | 0.0001 | 0.0070 | 751 | tags=58%, list=17%, signal=69% |

| | | | | | | | | | |
|--|--|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| DE_Y Y1_TARGETS _DN | DE_Y Y1_TARGETS_D N | 20 | 0.4835 | 2.1001 | 0.0000 | 0.0034 | 0.4270 | 1695 | tags=80%, list=38%, signal=129% |
| DEBIASI_APOPTOSI S_BY_REOVIRUS_I NFECTION_DN | DEBIASI_APOPTOSIS _BY_REOVIRUS_INFE CTION_DN | 78 | 0.1771 | 1.1989 | 0.2222 | 0.2895 | 1.0000 | 906 | tags=33%, list=20%, signal=41% |
| DEBIASI_APOPTOSI S_BY_REOVIRUS_I NFECTION_UP | DEBIASI_APOPTOSIS _BY_REOVIRUS_INFE CTION_UP | 35 | 0.3232 | 1.6922 | 0.0041 | 0.0361 | 1.0000 | 1419 | tags=69%, list=32%, signal=100% |
| DELACROIX_RARG _BOUND_MEF | DELACROIX_RARG_ BOUND_MEF | 107 | 0.2241 | 1.6705 | 0.0074 | 0.0401 | 1.0000 | 1046 | tags=39%, list=24%, signal=50% |
| DELASERNA_MYO D_TARGETS_DN | DELASERNA_MYOD_ TARGETS_DN | 16 | 0.4447 | 1.7975 | 0.0213 | 0.0213 | 0.9890 | 1143 | tags=69%, list=26%, signal=92% |
| DELASERNA_MYO D_TARGETS_UP | DELASERNA_MYOD_ TARGETS_UP | 25 | 0.2222 | 1.0510 | 0.3776 | 0.4694 | 1.0000 | 991 | tags=44%, list=22%, signal=56% |
| DELPUECH_FOXO3 _TARGETS_DN | DELPUECH_FOXO3_T ARGETS_DN | 15 | 0.5666 | 2.1721 | 0.0000 | 0.0021 | 0.2570 | 609 | tags=60%, list=14%, signal=69% |
| DELPUECH_FOXO3 _TARGETS_UP | DELPUECH_FOXO3_T ARGETS_UP | 24 | 0.4639 | 2.1594 | 0.0000 | 0.0024 | 0.2880 | 1694 | tags=79%, list=38%, signal=127% |

| | | | | | | | | | |
|---|---|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| DELYS_THYROID_CANCER_UP | DELYS_THYROID_CANCER_UP | 186 | 0.3745 | 2.9519 | 0.0000 | 0.0000 | 0.0000 | 1504 | tags=65%, list=34%, signal=94% |
| DEMAGALHAES_AGING_UP | DEMAGALHAES_AGING_UP | 22 | 0.2435 | 1.0985 | 0.3323 | 0.4091 | 1.0000 | 764 | tags=32%, list=17%, signal=38% |
| DER_IFN_BETA_RESPONSE_UP | DER_IFN_BETA_RESPONSE_UP | 18 | 0.3790 | 1.5452 | 0.0518 | 0.0726 | 1.0000 | 1950 | tags=83%, list=44%, signal=148% |
| DESERT_STEM_CELL_HEPATOCELLULAR_CARCINOMA_SUBCLASS_UP | DESERT_STEM_CELL_HEPATOCELLULAR_CARCINOMA_SUBCLASS_UP | 122 | 0.6180 | 4.4707 | 0.0000 | 0.0000 | 0.0000 | 856 | tags=66%, list=19%, signal=80% |
| DEURIG_T_CELL_PROLYMPHOCYTIC_LEUKEMIA_UP | DEURIG_T_CELL_PROLYMPHOCYTIC_LEUKEMIA_UP | 93 | 0.2421 | 1.6765 | 0.0000 | 0.0391 | 1.0000 | 950 | tags=35%, list=21%, signal=44% |
| DIAZ_CHRONIC_MYELOGENOUS_LEUKEMIA_DN | DIAZ_CHRONIC_MYELOGENOUS_LEUKEMIA_DN | 34 | 0.1371 | 0.7043 | 0.8934 | 0.8957 | 1.0000 | 1998 | tags=65%, list=45%, signal=117% |
| DITTMER_PTHLH_TARGETS_DN | DITTMER_PTHLH_TARGETS_DN | 21 | 0.1876 | 0.8277 | 0.6733 | 0.7679 | 1.0000 | 1099 | tags=38%, list=25%, signal=50% |
| DITTMER_PTHLH_TARGETS_UP | DITTMER_PTHLH_TARGETS_UP | 29 | 0.5378 | 2.6268 | 0.0000 | 0.0000 | 0.0030 | 1529 | tags=86%, list=34%, signal=131% |

| | | | | | | | | | |
|------------------------------------|------------------------------------|-----|--------|--------|--------|--------|--------|------|--------------------------------------|
| DOANE_RESPONSE_TO_ANDROGEN_DN | DOANE_RESPONSE_TO_ANDROGEN_DN | 63 | 0.2705 | 1.7310 | 0.0138 | 0.0297 | 0.9990 | 1170 | tags=51%, list=26%, signal=68% |
| DODD_NASOPHARYNGEAL_CARCINOMA_DN | DODD_NASOPHARYNGEAL_CARCINOMA_DN | 330 | 0.4376 | 3.8639 | 0.0000 | 0.0000 | 0.0000 | 1432 | tags=68%, list=32%, signal=93% |
| DORSEY_GAB2_TARGETS | DORSEY_GAB2_TARGETS | 15 | 0.3026 | 1.1586 | 0.2638 | 0.3329 | 1.0000 | 1137 | tags=53%, list=26%, signal=71% |
| DOUGLAS_BMI1_TARGETS_DN | DOUGLAS_BMI1_TARGETS_DN | 52 | 0.2014 | 1.2157 | 0.1898 | 0.2747 | 1.0000 | 390 | tags=21%, list=9%, signal=23% |
| DOUGLAS_BMI1_TARGETS_UP | DOUGLAS_BMI1_TARGETS_UP | 145 | 0.2730 | 2.0230 | 0.0000 | 0.0054 | 0.6390 | 1200 | tags=50%, list=27%, signal=67% |
| DUAN_PRDM5_TARGETS | DUAN_PRDM5_TARGETS | 19 | 0.3100 | 1.3338 | 0.1219 | 0.1752 | 1.0000 | 1228 | tags=53%, list=28%, signal=72% |
| DURAND_STROMA_S_UP | DURAND_STROMA_S_UP | 88 | 0.1455 | 0.9715 | 0.5181 | 0.5760 | 1.0000 | 786 | tags=25%, list=18%, signal=30% |
| DURCHDEWALD_SKIN_CARCINOGENESIS_DN | DURCHDEWALD_SKIN_CARCINOGENESIS_DN | 63 | 0.2770 | 1.7117 | 0.0048 | 0.0329 | 0.9990 | 1043 | tags=44%, list=24%, signal=57% |

| | | | | | | | | | |
|--|--|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| DUTERTRE_ESTRADIOL_RESPONSE_24HR_DN | DUTERTRE_ESTRADIOL_RESPONSE_24HR_DN | 148 | 0.2715 | 2.0341 | 0.0000 | 0.0050 | 0.5990 | 1607 | tags=59%, list=36%, signal=89% |
| DUTERTRE_ESTRADIOL_RESPONSE_24HR_UP | DUTERTRE_ESTRADIOL_RESPONSE_24HR_UP | 144 | 0.4282 | 3.2680 | 0.0000 | 0.0000 | 0.0000 | 1341 | tags=67%, list=30%, signal=92% |
| DUTERTRE_ESTRADIOL_RESPONSE_6HR_DN | DUTERTRE_ESTRADIOL_RESPONSE_6HR_DN | 27 | 0.2160 | 1.0558 | 0.3659 | 0.4629 | 1.0000 | 1586 | tags=56%, list=36%, signal=86% |
| DUTERTRE_ESTRADIOL_RESPONSE_6HR_UP | DUTERTRE_ESTRADIOL_RESPONSE_6HR_UP | 62 | 0.2669 | 1.6250 | 0.0050 | 0.0501 | 1.0000 | 978 | tags=44%, list=22%, signal=55% |
| EBAUER_TARGETS_OF_PAX3_FOXO1_FUSION_UP | EBAUER_TARGETS_OF_PAX3_FOXO1_FUSION_UP | 51 | 0.1574 | 0.9363 | 0.6139 | 0.6242 | 1.0000 | 1020 | tags=35%, list=23%, signal=45% |
| EGUCHI_CELL_CYCLE_RB1_TARGETS | EGUCHI_CELL_CYCLE_RB1_TARGETS | 16 | 0.7338 | 2.9164 | 0.0000 | 0.0000 | 0.0000 | 854 | tags=88%, list=19%, signal=108% |
| ELVIDGE_HIF1A_AND_HIF2A_TARGETS_DN | ELVIDGE_HIF1A_AND_HIF2A_TARGETS_DN | 49 | 0.1783 | 1.0296 | 0.4305 | 0.4979 | 1.0000 | 1793 | tags=59%, list=40%, signal=98% |
| ELVIDGE_HIF1A_TARGETS_DN | ELVIDGE_HIF1A_TARGETS_DN | 42 | 0.1683 | 0.9564 | 0.5247 | 0.5957 | 1.0000 | 1793 | tags=60%, list=40%, signal=99% |

| | | | | | | | | | |
|----------------------------------|---------------------------------|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| ELVIDGE_HYPOXIA_BY_DMOG_UP | ELVIDGE_HYPOXIA_BY_DMOG_UP | 54 | 0.2382 | 1.4346 | 0.0461 | 0.1175 | 1.0000 | 1793 | tags=63%, list=40%, signal=104% |
| ELVIDGE_HYPOXIA_UP | ELVIDGE_HYPOXIA_UP | 67 | 0.2400 | 1.4738 | 0.0259 | 0.0995 | 1.0000 | 1704 | tags=60%, list=38%, signal=95% |
| ENGELMANN_CANCER_PROGENITOR_S_DN | ENGELMANN_CANCER_PROGENITORS_DN | 16 | 0.1667 | 0.6455 | 0.8829 | 0.9370 | 1.0000 | 548 | tags=25%, list=12%, signal=28% |
| ENK_UV_RESPONSE_EPIDERMIS_UP | ENK_UV_RESPONSE_EPIDERMIS_UP | 74 | 0.2223 | 1.4522 | 0.0424 | 0.1097 | 1.0000 | 402 | tags=22%, list=9%, signal=23% |
| ENK_UV_RESPONSE_KERATINOCYTE_DN | ENK_UV_RESPONSE_KERATINOCYTE_DN | 98 | 0.2334 | 1.6526 | 0.0075 | 0.0439 | 1.0000 | 976 | tags=40%, list=22%, signal=50% |
| ENK_UV_RESPONSE_KERATINOCYTE_UP | ENK_UV_RESPONSE_KERATINOCYTE_UP | 141 | 0.1042 | 0.7782 | 0.9091 | 0.8218 | 1.0000 | 1582 | tags=43%, list=36%, signal=65% |
| EPPERT_HSC_R | EPPERT_HSC_R | 31 | 0.1916 | 0.9779 | 0.5209 | 0.5681 | 1.0000 | 874 | tags=35%, list=20%, signal=44% |
| EPPERT_PROGENITOR | EPPERT_PROGENITOR | 40 | 0.2617 | 1.4002 | 0.0714 | 0.1354 | 1.0000 | 1431 | tags=58%, list=32%, signal=84% |

| | | | | | | | | | |
|---|---|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| FARMER_BREAST_CANCER_CLUSTER_2 | FARMER_BREAST_CANCER_CLUSTER_2 | 21 | 0.7193 | 3.1299 | 0.0000 | 0.0000 | 0.0000 | 506 | tags=71%, list=11%, signal=80% |
| FERRANDO_T_ALL_WITH_MLL_ENL_FUSION_UP | FERRANDO_T_ALL_WITH_MLL_ENL_FUSION_UP | 24 | 0.2767 | 1.2747 | 0.1656 | 0.2217 | 1.0000 | 1225 | tags=46%, list=28%, signal=63% |
| FERREIRA_EWINGS_SARCOMA_UNSTABLE_VS_STABLE_UP | FERREIRA_EWINGS_SARCOMA_UNSTABLE_VS_STABLE_UP | 45 | 0.5044 | 2.8747 | 0.0000 | 0.0000 | 0.0000 | 1589 | tags=84%, list=36%, signal=130% |
| FEVR_CTNNB1_TARGETS_DN | FEVR_CTNNB1_TARGETS_DN | 147 | 0.2800 | 2.1114 | 0.0000 | 0.0032 | 0.4000 | 1122 | tags=47%, list=25%, signal=61% |
| FIGUEROA_AML_METHYLATION_CLUSTER_3_UP | FIGUEROA_AML_METHYLATION_CLUSTER_3_UP | 26 | 0.1924 | 0.9120 | 0.5660 | 0.6525 | 1.0000 | 683 | tags=31%, list=15%, signal=36% |
| FIGUEROA_AML_METHYLATION_CLUSTER_4_UP | FIGUEROA_AML_METHYLATION_CLUSTER_4_UP | 18 | 0.3746 | 1.5352 | 0.0590 | 0.0756 | 1.0000 | 1010 | tags=56%, list=23%, signal=72% |
| FIGUEROA_AML_METHYLATION_CLUSTER_6_UP | FIGUEROA_AML_METHYLATION_CLUSTER_6_UP | 26 | 0.2103 | 0.9773 | 0.4947 | 0.5682 | 1.0000 | 366 | tags=23%, list=8%, signal=25% |

| | | | | | | | | | |
|---|---|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| FIGUEROA_AML_METHYLATION_CLUSTER_7_UP | FIGUEROA_AML_METHYLATION_CLUSTER_7_UP | 26 | 0.2782 | 1.3574 | 0.1111 | 0.1600 | 1.0000 | 879 | tags=42%, list=20%, signal=52% |
| FISCHER_DIRECT_P53_TARGETS_META_ANALYSIS | FISCHER_DIRECT_P53_TARGETS_META_ANALYSIS | 59 | 0.2262 | 1.3806 | 0.0615 | 0.1458 | 1.0000 | 994 | tags=37%, list=22%, signal=47% |
| FISCHER_DREAM_TARGETS | FISCHER_DREAM_TARGETS | 213 | 0.5089 | 4.1420 | 0.0000 | 0.0000 | 0.0000 | 1349 | tags=74%, list=30%, signal=101% |
| FISCHER_G1_S_CELL_CYCLE | FISCHER_G1_S_CELL_CYCLE | 59 | 0.4412 | 2.6362 | 0.0000 | 0.0000 | 0.0030 | 1559 | tags=78%, list=35%, signal=119% |
| FISCHER_G2_M_CELL_CYCLE | FISCHER_G2_M_CELL_CYCLE | 88 | 0.6040 | 4.0966 | 0.0000 | 0.0000 | 0.0000 | 1206 | tags=82%, list=27%, signal=110% |
| FLECHNER_BIOPSY_KIDNEY_TRANSPLANT_REJECTED_VS_OK_UP | FLECHNER_BIOPSY_KIDNEY_TRANSPLANT_REJECTED_VS_OK_UP | 15 | 0.2146 | 0.8264 | 0.6845 | 0.7686 | 1.0000 | 3011 | tags=93%, list=68%, signal=289% |
| FLECHNER_PBL_KIDNEY_TRANSPLANT_OK_VS_DONOR_UP | FLECHNER_PBL_KIDNEY_TRANSPLANT_OK_VS_DONOR_UP | 22 | 0.3020 | 1.3400 | 0.1378 | 0.1713 | 1.0000 | 2030 | tags=77%, list=46%, signal=142% |

| | | | | | | | | | |
|--|--|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| FLORIO_NEOCORT EX_BASAL_RADIA L_GLIA_DN | FLORIO_NEOCORTEX _BASAL_RADIAL_GL IA_DN | 101 | 0.6030 | 4.1987 | 0.0000 | 0.0000 | 0.0000 | 1122 | tags=79%, list=25%, signal=104% |
| FLOTHO_PEDIATRI C_ALL_THERAPY_ RESPONSE_UP | FLOTHO_PEDIATRIC_ ALL_THERAPY_RESP ONSE_UP | 19 | 0.4156 | 1.7643 | 0.0125 | 0.0253 | 0.9970 | 2137 | tags=95%, list=48%, signal=182% |
| FONTAINE_PAPILL ARY_THYROID_CA RCINOMA_UP | FONTAINE_PAPILLA RY_THYROID_CARCI NOMA_UP | 24 | 0.3323 | 1.5834 | 0.0263 | 0.0606 | 1.0000 | 1240 | tags=58%, list=28%, signal=81% |
| FOROUTAN_INTEG RATED_TGFB_EMT_ _DN | FOROUTAN_INTEGR ATED_TGFB_EMT_D N | 26 | 0.2932 | 1.4134 | 0.0789 | 0.1284 | 1.0000 | 663 | tags=31%, list=15%, signal=36% |
| FOROUTAN_INTEG RATED_TGFB_EMT_ _UP | FOROUTAN_INTEGR ATED_TGFB_EMT_UP | 64 | 0.4342 | 2.7299 | 0.0000 | 0.0000 | 0.0010 | 1173 | tags=63%, list=26%, signal=84% |
| FOROUTAN_PROD RANK_TGFB_EMT_ DN | FOROUTAN_PRODRA NK_TGFB_EMT_DN | 28 | 0.2177 | 1.0406 | 0.4209 | 0.4822 | 1.0000 | 532 | tags=25%, list=12%, signal=28% |
| FOROUTAN_PROD RANK_TGFB_EMT_ UP | FOROUTAN_PRODRA NK_TGFB_EMT_UP | 79 | 0.4582 | 3.0526 | 0.0000 | 0.0000 | 0.0000 | 1388 | tags=71%, list=31%, signal=101% |
| FOROUTAN_TGFB_ EMT_DN | FOROUTAN_TGFB_E MT_DN | 39 | 0.2160 | 1.1611 | 0.2878 | 0.3302 | 1.0000 | 532 | tags=23%, list=12%, signal=26% |

| | | | | | | | | | |
|---|---|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| FOROUTAN_TGFB_EMT_UP | FOROUTAN_TGFB_EMT_UP | 86 | 0.4525 | 3.0480 | 0.0000 | 0.0000 | 0.0000 | 1388 | tags=71%, list=31%, signal=101% |
| FORTSCHEGGER_PHF8_TARGETS_DN | FORTSCHEGGER_PHF8_TARGETS_DN | 155 | 0.3271 | 2.4361 | 0.0000 | 0.0002 | 0.0170 | 1160 | tags=52%, list=26%, signal=67% |
| FOSTER_TOLERANT_MACROPHAGE_DN | FOSTER_TOLERANT_MACROPHAGE_DN | 90 | 0.2589 | 1.7834 | 0.0000 | 0.0230 | 0.9960 | 1275 | tags=49%, list=29%, signal=67% |
| FOURNIER_ACINAR_DEVELOPMENT_LATE_2 | FOURNIER_ACINAR_DEVELOPMENT_LATE_2 | 92 | 0.4190 | 2.8453 | 0.0000 | 0.0000 | 0.0000 | 1554 | tags=72%, list=35%, signal=108% |
| FRASOR_RESPONSE_TO ESTRADIOL_DN | FRASOR_RESPONSE_TO ESTRADIOL_DN | 33 | 0.2094 | 1.0892 | 0.3566 | 0.4193 | 1.0000 | 425 | tags=21%, list=10%, signal=23% |
| FRASOR_RESPONSE_TO SERM_OR FULVESTRANT_DN | FRASOR_RESPONSE_TO SERM_OR FULVESTRANT_DN | 19 | 0.6245 | 2.7176 | 0.0000 | 0.0000 | 0.0020 | 854 | tags=74%, list=19%, signal=91% |
| FRIDMAN_SENESCENCE_UP | FRIDMAN_SENESCENCE_UP | 27 | 0.3854 | 1.8166 | 0.0070 | 0.0192 | 0.9800 | 1237 | tags=63%, list=28%, signal=87% |
| FUJII_YBX1_TARGETS_DN | FUJII_YBX1_TARGETS_DN | 75 | 0.5639 | 3.5149 | 0.0000 | 0.0000 | 0.0000 | 1351 | tags=83%, list=30%, signal=117% |

| | | | | | | | | | |
|---|--|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| FUJII_YBX1_TARG ETS_UP | FUJII_YBX1_TARGET S_UP | 15 | 0.4708 | 1.8337 | 0.0118 | 0.0174 | 0.9710 | 613 | tags=47%, list=14%, signal=54% |
| FULCHER_INFLAM MATORY_RESPONS E_LLECTIN_VS_LPS_ UP | FULCHER_INFLAMM ATORY_RESPONSE_L ECTIN_VS_LPS_UP | 157 | 0.2232 | 1.7068 | 0.0000 | 0.0334 | 1.0000 | 1301 | tags=48%, list=29%, signal=66% |
| FURUKAWA_DUSP 6_TARGETS_PCI35_ DN | FURUKAWA_DUSP6_ TARGETS_PCI35_DN | 37 | 0.4436 | 2.3180 | 0.0000 | 0.0006 | 0.0710 | 1382 | tags=78%, list=31%, signal=113% |
| FURUKAWA_DUSP 6_TARGETS_PCI35_ UP | FURUKAWA_DUSP6_ TARGETS_PCI35_UP | 25 | 0.2388 | 1.0976 | 0.3404 | 0.4100 | 1.0000 | 875 | tags=36%, list=20%, signal=45% |
| GABRIELY_MIR21_ TARGETS | GABRIELY_MIR21_T ARGETS | 56 | 0.2781 | 1.6674 | 0.0182 | 0.0408 | 1.0000 | 1302 | tags=52%, list=29%, signal=72% |
| GAJATE_RESPONS E_TO_TRABECTEDI N_UP | GAJATE_RESPONSE_ TO_TRABECTEDIN_U P | 23 | 0.1592 | 0.7421 | 0.8469 | 0.8615 | 1.0000 | 1732 | tags=61%, list=39%, signal=99% |
| GAL_LEUKEMIC_S TEM_CELL_DN | GAL_LEUKEMIC_STE M_CELL_DN | 71 | 0.3534 | 2.1975 | 0.0000 | 0.0017 | 0.2090 | 600 | tags=37%, list=14%, signal=42% |
| GAL_LEUKEMIC_S TEM_CELL_UP | GAL_LEUKEMIC_STE M_CELL_UP | 22 | 0.3539 | 1.5802 | 0.0462 | 0.0614 | 1.0000 | 454 | tags=36%, list=10%, signal=40% |

| | | | | | | | | | |
|--|--|----|--------|--------|--------|--------|--------|------|---------------------------------------|
| GALINDO_IMMUNE_RESPONSE_TO_ENTEROTOXIN | GALINDO_IMMUNE_RESPONSE_TO_ENTEROTOXIN | 22 | 0.2244 | 1.0090 | 0.4209 | 0.5272 | 1.0000 | 657 | tags=27%, list=15%, signal=32% |
| GARCIA_TARGETS_OF_FLII_AND_DAX1_DN | GARCIA_TARGETS_OF_FLII_AND_DAX1_DN | 33 | 0.3083 | 1.5857 | 0.0330 | 0.0599 | 1.0000 | 1341 | tags=58%, list=30%, signal=82% |
| GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_BLUE_UP | GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_BLUE_UP | 19 | 0.3163 | 1.3774 | 0.1222 | 0.1479 | 1.0000 | 704 | tags=37%, list=16%, signal=44% |
| GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_GREY_DN | GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_GREY_DN | 17 | 0.2406 | 0.9691 | 0.4986 | 0.5797 | 1.0000 | 1661 | tags=65%, list=37%, signal=103% |
| GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_TURQUOISE_DN | GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_TURQUOISE_DN | 15 | 0.4530 | 1.7344 | 0.0198 | 0.0292 | 0.9980 | 1036 | tags=60%, list=23%, signal=78% |
| GARY_CD5_TARGETS_DN | GARY_CD5_TARGETS_DN | 53 | 0.2396 | 1.3889 | 0.1047 | 0.1418 | 1.0000 | 1484 | tags=57%, list=33%, signal=84% |
| GAUSSMANN_MLL_AF4_FUSION_TARGETS_C_UP | GAUSSMANN_MLL_AF4_FUSION_TARGETS_C_UP | 34 | 0.1971 | 1.0121 | 0.4053 | 0.5243 | 1.0000 | 1131 | tags=41%, list=25%, signal=55% |

| | | | | | | | | | |
|---|---|----|--------|--------|--------|--------|--------|------|--------------------------------------|
| GAUSSMANN_MLL _AF4_FUSION_TAR GETS_E_UP | GAUSSMANN_MLL_A F4_FUSION_TARGETS _E_UP | 39 | 0.1771 | 0.9672 | 0.5038 | 0.5804 | 1.0000 | 661 | tags=23%, list=15%, signal=27% |
| GAUSSMANN_MLL _AF4_FUSION_TAR GETS_F_UP | GAUSSMANN_MLL_A F4_FUSION_TARGETS _F_UP | 47 | 0.2332 | 1.3152 | 0.0950 | 0.1895 | 1.0000 | 767 | tags=34%, list=17%, signal=41% |
| GAUSSMANN_MLL _AF4_FUSION_TAR GETS_G_UP | GAUSSMANN_MLL_A F4_FUSION_TARGETS _G_UP | 64 | 0.1614 | 1.0025 | 0.4194 | 0.5344 | 1.0000 | 658 | tags=25%, list=15%, signal=29% |
| GAVIN_FOXP3_TA RGETS_CLUSTER_P 4 | GAVIN_FOXP3_TARG ETS_CLUSTER_P4 | 31 | 0.2269 | 1.1643 | 0.2652 | 0.3264 | 1.0000 | 888 | tags=35%, list=20%, signal=44% |
| GAVIN_FOXP3_TA RGETS_CLUSTER_P 6 | GAVIN_FOXP3_TARG ETS_CLUSTER_P6 | 47 | 0.4772 | 2.6614 | 0.0000 | 0.0000 | 0.0030 | 1165 | tags=68%, list=26%, signal=91% |
| GAVIN_FOXP3_TA RGETS_CLUSTER_T 4 | GAVIN_FOXP3_TARG ETS_CLUSTER_T4 | 21 | 0.3915 | 1.6887 | 0.0195 | 0.0367 | 1.0000 | 1397 | tags=67%, list=31%, signal=97% |
| GAVIN_FOXP3_TA RGETS_CLUSTER_T 7 | GAVIN_FOXP3_TARG ETS_CLUSTER_T7 | 18 | 0.2472 | 1.0161 | 0.4422 | 0.5182 | 1.0000 | 1143 | tags=44%, list=26%, signal=60% |
| GENTILE_UV_HIGH _DOSE_DN | GENTILE_UV_HIGH_ DOSE_DN | 47 | 0.3182 | 1.8198 | 0.0000 | 0.0189 | 0.9780 | 1561 | tags=64%, list=35%, signal=97% |

| | | | | | | | | | |
|--|--|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| GENTILE_UV_LOW_DOSE_DN | GENTILE_UV_LOW_DOSE_DN | 19 | 0.4071 | 1.7135 | 0.0188 | 0.0326 | 0.9990 | 1521 | tags=74%, list=34%, signal=112% |
| GEORGES_CELL_CYCLE_MIR192_TARGETS | GEORGES_CELL_CYCLE_MIR192_TARGETS | 17 | 0.6546 | 2.6081 | 0.0000 | 0.0001 | 0.0040 | 1206 | tags=88%, list=27%, signal=121% |
| GEORGES_TARGETS_OF_MIR192_AND_MIR215 | GEORGES_TARGETS_OF_MIR192_AND_MIR215 | 212 | 0.2538 | 2.0685 | 0.0000 | 0.0042 | 0.5160 | 1066 | tags=44%, list=24%, signal=56% |
| GERHOLD_ADIPOGENESIS_DN | GERHOLD_ADIPOGENESIS_DN | 27 | 0.4355 | 2.0648 | 0.0066 | 0.0043 | 0.5270 | 661 | tags=48%, list=15%, signal=56% |
| GINESTIER_BREAST_CANCER_20Q13_AMPLIFICATION_DN | GINESTIER_BREAST_CANCER_20Q13_AMPLIFICATION_DN | 24 | 0.5154 | 2.4361 | 0.0000 | 0.0002 | 0.0170 | 904 | tags=67%, list=20%, signal=83% |
| GINESTIER_BREAST_CANCER_ZNF217_AMPLIFIED_DN | GINESTIER_BREAST_CANCER_ZNF217_AMPLIFIED_DN | 43 | 0.1784 | 1.0018 | 0.4703 | 0.5352 | 1.0000 | 904 | tags=33%, list=20%, signal=40% |
| GLASS_IGF2BP1_CLIP_TARGETS_KNOCKDOWN_DN | GLASS_IGF2BP1_CLIP_TARGETS_KNOCKDOWN_DN | 24 | 0.5692 | 2.6336 | 0.0000 | 0.0000 | 0.0030 | 810 | tags=67%, list=18%, signal=81% |
| GNATENKO_PLATELET_SIGNATURE | GNATENKO_PLATELET_SIGNATURE | 20 | 0.2680 | 1.1674 | 0.2584 | 0.3226 | 1.0000 | 2174 | tags=80%, list=49%, signal=156% |

| | | | | | | | | | |
|--|--|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| GOBERT_OLIGODE NDROCYTE_DIFFE RENTIATION_DN | GOBERT_OLIGODEN DROCYTE_DIFFEREN TIATION_DN | 252 | 0.1993 | 1.6179 | 0.0000 | 0.0517 | 1.0000 | 953 | tags=34%, list=21%, signal=41% |
| GOBERT_OLIGODE NDROCYTE_DIFFE RENTIATION_UP | GOBERT_OLIGODEN DROCYTE_DIFFEREN TIATION_UP | 190 | 0.4701 | 3.7160 | 0.0000 | 0.0000 | 0.0000 | 1395 | tags=72%, list=31%, signal=100% |
| GOLDRATH_ANTIG EN_RESPONSE | GOLDRATH_ANTIGE N_RESPONSE | 136 | 0.3809 | 2.9087 | 0.0000 | 0.0000 | 0.0000 | 1391 | tags=62%, list=31%, signal=87% |
| GOTZMANN_EPITH ELIAL_TO_MESEN CHYMAL_TRANSIT ION_DN | GOTZMANN_EPITHE LIAL_TO_MESENCHY MAL_TRANSITION_D N | 53 | 0.1923 | 1.1178 | 0.2543 | 0.3835 | 1.0000 | 726 | tags=28%, list=16%, signal=33% |
| GOTZMANN_EPITH ELIAL_TO_MESEN CHYMAL_TRANSIT ION_UP | GOTZMANN_EPITHE LIAL_TO_MESENCHY MAL_TRANSITION_U P | 31 | 0.4049 | 2.0076 | 0.0000 | 0.0061 | 0.6910 | 1732 | tags=74%, list=39%, signal=121% |
| GOZGIT_ESR1_TAR GETS_DN | GOZGIT_ESR1_TARG ETS_DN | 194 | 0.1463 | 1.1555 | 0.1846 | 0.3360 | 1.0000 | 675 | tags=22%, list=15%, signal=25% |
| GRADE_COLON_A ND_RECTAL_CANC ER_UP | GRADE_COLON_AND _RECTAL_CANCER_U P | 64 | 0.3340 | 2.0580 | 0.0000 | 0.0045 | 0.5490 | 1088 | tags=52%, list=25%, signal=67% |

| | | | | | | | | | |
|--|--|-----|--------|--------|--------|--------|--------|------|--|
| GRADE_COLON_VS_RECTAL_CANCER_DN | GRADE_COLON_VS_RECTAL_CANCER_DN | 16 | 0.2432 | 0.9331 | 0.5666 | 0.6280 | 1.0000 | 844 | tags=38%, list=19%, signal=46% |
| GRAESSMANN_APOPTOSIS_BY_DOXORUBICIN_DN | GRAESSMANN_APOPTOSIS_BY_DOXORUBICIN_DN | 347 | 0.2348 | 2.0476 | 0.0000 | 0.0046 | 0.5680 | 883 | tags=35%, list=20%, signal=40% |
| GRAESSMANN_RESPONSE_TO_MC_AND_DOXORUBICIN_DN | GRAESSMANN_RESPONSE_TO_MC_AND_DOXORUBICIN_DN | 132 | 0.2605 | 1.9413 | 0.0000 | 0.0091 | 0.8300 | 1432 | tags=54%, list=32%, signal=77% |
| GRAESSMANN_RESPONSE_TO_MC_AND_SERUM_DEPRIVATION_DN | GRAESSMANN_RESPONSE_TO_MC_AND_SERUM_DEPRIVATION_DN | 19 | 0.1639 | 0.7195 | 0.8508 | 0.8831 | 1.0000 | 3712 | tags=100%, list=84%, signal=609% |
| GRAHAM_CML_DIVIDING_VS_NORMAL QUIESCENT_DN | GRAHAM_CML_DIVIDING_VS_NORMAL QUIESCENT_DN | 30 | 0.2689 | 1.3127 | 0.1264 | 0.1910 | 1.0000 | 1694 | tags=67%, list=38%, signal=107% |
| GRAHAM_CML_DIVIDING_VS_NORMAL QUIESCENT_UP | GRAHAM_CML_DIVIDING_VS_NORMAL QUIESCENT_UP | 89 | 0.4370 | 2.9216 | 0.0000 | 0.0000 | 0.0000 | 1341 | tags=67%, list=30%, signal=95% |
| GRAHAM_CML_QUIESCENT_VS_NORMAL QUIESCENT_DN | GRAHAM_CML_QUIESCENT_VS_NORMAL QUIESCENT_DN | 15 | 0.1500 | 0.5862 | 0.9507 | 0.9641 | 1.0000 | 1512 | tags=53%, list=34%, signal=81% |

| | | | | | | | | | |
|--|--|----|--------|--------|--------|--------|--------|------|---------------------------------------|
| GRAHAM_CML_QUIESCENT_VSNORMAL_QUIESCENT_UP | GRAHAM_CML_QUIESCENT_VSNORMAL_QUIESCENT_UP | 43 | 0.3086 | 1.7190 | 0.0173 | 0.0318 | 0.9990 | 610 | tags=33%, list=14%, signal=37% |
| GRAHAM_NORMAL_QUIESCENT_VSNORMAL_DIVIDING_DN | GRAHAM_NORMAL_QUIESCENT_VSNORMAL_DIVIDING_DN | 51 | 0.5183 | 3.0422 | 0.0000 | 0.0000 | 0.0000 | 1212 | tags=71%, list=27%, signal=96% |
| GRAHAM_NORMAL_QUIESCENT_VSNORMAL_DIVIDING_UP | GRAHAM_NORMAL_QUIESCENT_VSNORMAL_DIVIDING_UP | 17 | 0.1637 | 0.6592 | 0.9352 | 0.9291 | 1.0000 | 1512 | tags=53%, list=34%, signal=80% |
| GREENBAUM_E2A_TARGETS_UP | GREENBAUM_E2A_TARGETS_UP | 21 | 0.6705 | 2.9586 | 0.0000 | 0.0000 | 0.0000 | 1122 | tags=86%, list=25%, signal=114% |
| GRESHOCK_CANCER_COPY_NUMBER_UP | GRESHOCK_CANCER_COPY_NUMBER_UP | 58 | 0.3231 | 1.9760 | 0.0052 | 0.0073 | 0.7600 | 1839 | tags=72%, list=41%, signal=122% |
| GROSS_HYPOXIA_VIA_ELK3_AND_HIF1A_DN | GROSS_HYPOXIA_VIA_ELK3_AND_HIF1A_DN | 29 | 0.3072 | 1.5376 | 0.0489 | 0.0751 | 1.0000 | 836 | tags=41%, list=19%, signal=51% |
| GROSS_HYPOXIA_VIA_ELK3_AND_HIF1A_UP | GROSS_HYPOXIA_VIA_ELK3_AND_HIF1A_UP | 31 | 0.2133 | 1.0475 | 0.4161 | 0.4735 | 1.0000 | 1180 | tags=42%, list=27%, signal=57% |

| | | | | | | | | | |
|---|---|-----|--------|--------|--------|--------|--------|------|--------------------------------------|
| GROSS_HYPOXIA_VIA_ELK3_DN | GROSS_HYPOXIA_VIA_ELK3_DN | 40 | 0.1265 | 0.6868 | 0.8826 | 0.9078 | 1.0000 | 573 | tags=20%, list=13%, signal=23% |
| GROSS_HYPOXIA_VIA_ELK3_UP | GROSS_HYPOXIA_VIA_ELK3_UP | 56 | 0.3270 | 1.9854 | 0.0000 | 0.0069 | 0.7350 | 1122 | tags=54%, list=25%, signal=71% |
| GRUETZMANN_PANCREATIC_CANCER_UP | GRUETZMANN_PANCREATIC_CANCER_UP | 129 | 0.4303 | 3.1059 | 0.0000 | 0.0000 | 0.0000 | 999 | tags=51%, list=23%, signal=64% |
| GRYDER_PAX3FOXO1_ENHANCERS_IN_TADS | GRYDER_PAX3FOXO1_ENHANCERS_IN_TADS | 200 | 0.2056 | 1.6446 | 0.0000 | 0.0456 | 1.0000 | 1373 | tags=49%, list=31%, signal=67% |
| GRYDER_PAX3FOXO1_ENHANCERS_KO_DOWN | GRYDER_PAX3FOXO1_ENHANCERS_KO_DOWN | 106 | 0.1813 | 1.2596 | 0.1042 | 0.2347 | 1.0000 | 727 | tags=28%, list=16%, signal=33% |
| GU_PDEF_TARGETS_UP | GU_PDEF_TARGETS_UP | 29 | 0.5214 | 2.5267 | 0.0000 | 0.0001 | 0.0070 | 807 | tags=62%, list=18%, signal=75% |
| GUO_HEX_TARGETS_UP | GUO_HEX_TARGETS_UP | 23 | 0.2640 | 1.2055 | 0.2107 | 0.2857 | 1.0000 | 965 | tags=43%, list=22%, signal=55% |
| GUTIERREZ_CHRONIC_LYMPHOCYTIC_LEUKEMIA_DN | GUTIERREZ_CHRONIC_LYMPHOCYTIC_LEUKEMIA_DN | 16 | 0.2851 | 1.1593 | 0.2809 | 0.3322 | 1.0000 | 1120 | tags=56%, list=25%, signal=75% |

| | | | | | | | | | |
|--|--|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| HADDAD_B_LYMP HOCYTE_PROGENI TOR | HADDAD_B_LYMPH OCYTE_PROGENITOR | 57 | 0.2958 | 1.7789 | 0.0048 | 0.0234 | 0.9960 | 1159 | tags=51%, list=26%, signal=68% |
| HADDAD_T_LYMP HOCYTE_AND_NK_ PROGENITOR_DN | HADDAD_T_LYMPHO CYTE_AND_NK_PRO GENITOR_DN | 22 | 0.2568 | 1.1580 | 0.2524 | 0.3333 | 1.0000 | 1054 | tags=45%, list=24%, signal=59% |
| HADDAD_T_LYMP HOCYTE_AND_NK_ PROGENITOR_UP | HADDAD_T_LYMPHO CYTE_AND_NK_PRO GENITOR_UP | 28 | 0.2793 | 1.3631 | 0.0887 | 0.1562 | 1.0000 | 1039 | tags=50%, list=23%, signal=65% |
| HAHTOLA_MYCOSI S_FUNGOIDES_SKI N_UP | HAHTOLA_MYCOSIS _FUNGOIDES_SKIN_ UP | 37 | 0.3007 | 1.5759 | 0.0127 | 0.0628 | 1.0000 | 1696 | tags=68%, list=38%, signal=108% |
| HAHTOLA_SEZARY _SYNDROM_UP | HAHTOLA_SEZARY_ SYNDROM_UP | 27 | 0.1934 | 0.9574 | 0.4932 | 0.5944 | 1.0000 | 477 | tags=22%, list=11%, signal=25% |
| HAMAI_APOPTOSIS _VIA_TRAIL_DN | HAMAI_APOPTOSIS_ VIA_TRAIL_DN | 42 | 0.2360 | 1.2610 | 0.1660 | 0.2337 | 1.0000 | 941 | tags=40%, list=21%, signal=51% |
| HAMAI_APOPTOSIS _VIA_TRAIL_UP | HAMAI_APOPTOSIS_ VIA_TRAIL_UP | 135 | 0.3419 | 2.5654 | 0.0000 | 0.0001 | 0.0050 | 1120 | tags=50%, list=25%, signal=65% |
| HAN_SATB1_TARG ETS_DN | HAN_SATB1_TARGET S_DN | 110 | 0.1574 | 1.1289 | 0.2303 | 0.3698 | 1.0000 | 816 | tags=27%, list=18%, signal=33% |

| | | | | | | | | | |
|---|---|-----|--------|--------|--------|--------|--------|------|--------------------------------------|
| HAN_SATB1_TARG ETS_UP | HAN_SATB1_TARGET S_UP | 106 | 0.1355 | 0.9660 | 0.5530 | 0.5820 | 1.0000 | 1117 | tags=36%, list=25%, signal=47% |
| HARRIS_BRAIN_CA NCER_PROGENITO RS | HARRIS_BRAIN_CAN CER_PROGENITORS | 18 | 0.2912 | 1.2385 | 0.2000 | 0.2537 | 1.0000 | 292 | tags=28%, list=7%, signal=30% |
| HARRIS_HYPOXIA | HARRIS_HYPOXIA | 34 | 0.1514 | 0.7962 | 0.7689 | 0.8021 | 1.0000 | 212 | tags=12%, list=5%, signal=12% |
| HELLEBREKERS_SI LENCED_DURING_ TUMOR_ANGIOGE NESIS | HELLEBREKERS_SIL ENCED_DURING_TU MOR_ANGIOGENESIS | 28 | 0.4027 | 1.9533 | 0.0072 | 0.0085 | 0.8070 | 1404 | tags=64%, list=32%, signal=93% |
| HELLER_HDAC_TA RGETS_DN | HELLER_HDAC_TAR GETS_DN | 70 | 0.1472 | 0.9319 | 0.5698 | 0.6291 | 1.0000 | 342 | tags=14%, list=8%, signal=15% |
| HELLER_HDAC_TA RGETS_SILENCED_ BY_METHYLATION _DN | HELLER_HDAC_TAR GETS_SILENCED_BY _METHYLATION_DN | 76 | 0.1217 | 0.7987 | 0.8177 | 0.7998 | 1.0000 | 342 | tags=12%, list=8%, signal=13% |
| HELLER_HDAC_TA RGETS_SILENCED_ BY_METHYLATION _UP | HELLER_HDAC_TAR GETS_SILENCED_BY _METHYLATION_UP | 131 | 0.1459 | 1.0572 | 0.3889 | 0.4615 | 1.0000 | 607 | tags=21%, list=14%, signal=24% |

| | | | | | | | | | |
|--|--|----|--------|--------|--------|--------|--------|------|--|
| HELLER_HDAC_TARGETS_UP | HELLER_HDAC_TARGETS_UP | 83 | 0.1740 | 1.1928 | 0.1598 | 0.2959 | 1.0000 | 818 | tags=29%, list=18%, signal=35% |
| HELLER_SILENCED_BY_METHYLATION_UP | HELLER_SILENCED_BY_METHYLATION_UP | 74 | 0.2686 | 1.7013 | 0.0299 | 0.0344 | 1.0000 | 566 | tags=30%, list=13%, signal=34% |
| HENDRICKS_SMARCA4_TARGETS_UP | HENDRICKS_SMARCA4_TARGETS_UP | 22 | 0.4225 | 1.9072 | 0.0098 | 0.0112 | 0.8870 | 1054 | tags=55%, list=24%, signal=71% |
| HERNANDEZ_ABERRANT_MITOSIS_BLOCKING_DOCETACEL_2NM_UP | HERNANDEZ_ABERRANT_MITOSIS_BLOCKING_DOCETACEL_2NM_UP | 24 | 0.2750 | 1.2445 | 0.1628 | 0.2485 | 1.0000 | 859 | tags=42%, list=19%, signal=51% |
| HERNANDEZ_MITOTIC_ARREST_BLOCKING_DOCETAXEL_1_DN | HERNANDEZ_MITOTIC_ARREST_BLOCKING_DOCETAXEL_1_DN | 16 | 0.4736 | 1.8785 | 0.0087 | 0.0133 | 0.9250 | 758 | tags=50%, list=17%, signal=60% |
| HERNANDEZ_MITOTIC_ARREST_BLOCKING_DOCETAXEL_2_UP | HERNANDEZ_MITOTIC_ARREST_BLOCKING_DOCETAXEL_2_UP | 24 | 0.2334 | 1.0935 | 0.3185 | 0.4153 | 1.0000 | 921 | tags=42%, list=21%, signal=52% |
| HESS_TARGETS_OF_HOXA9_AND_MEIS1_UP | HESS_TARGETS_OF_HOXA9_AND_MEIS1_UP | 17 | 0.2353 | 0.9402 | 0.5155 | 0.6182 | 1.0000 | 854 | tags=41%, list=19%, signal=51% |
| HILLION_HMGA1_TARGETS | HILLION_HMGA1_TARGETS | 26 | 0.1564 | 0.7445 | 0.8433 | 0.8593 | 1.0000 | 3746 | tags=100%, list=84%, signal=638% |

| | | | | | | | | | |
|---|---|----|--------|--------|--------|--------|--------|------|---------------------------------------|
| HINATA_NFKB_TARGETS_KERATINOCYTE_UP | HINATA_NFKB_TARGETS_KERATINOCYTE_UP | 25 | 0.1976 | 0.9336 | 0.5845 | 0.6278 | 1.0000 | 1677 | tags=56%, list=38%, signal=90% |
| HIRSCH_CELLULAR_TRANSFORMATION_SIGNATURE_DN | HIRSCH_CELLULAR_TRANSFORMATION_SIGNATURE_DN | 30 | 0.4793 | 2.4282 | 0.0000 | 0.0002 | 0.0190 | 1356 | tags=70%, list=31%, signal=100% |
| HOEBEKE_LYMPHOID_STEM_CELL_UP | HOEBEKE_LYMPHOID_STEM_CELL_UP | 21 | 0.3033 | 1.3410 | 0.1094 | 0.1709 | 1.0000 | 1139 | tags=52%, list=26%, signal=70% |
| HOELZEL_NF1_TARGETS_UP | HOELZEL_NF1_TARGETS_UP | 39 | 0.3057 | 1.6374 | 0.0293 | 0.0471 | 1.0000 | 1485 | tags=64%, list=33%, signal=96% |
| HOFFMANN_LARGE_TO_SMALL_PRE_BII_LYMPHOCYTE_UP | HOFFMANN_LARGE_TO_SMALL_PRE_BII_LYMPHOCYTE_UP | 72 | 0.5302 | 3.3138 | 0.0000 | 0.0000 | 0.0000 | 1349 | tags=76%, list=30%, signal=108% |
| HOFFMANN_PRE_BII_TO_LARGE_PRE_BII_LYMPHOCYTE_DN | HOFFMANN_PRE_BII_TO_LARGE_PRE_BII_LYMPHOCYTE_DN | 21 | 0.3601 | 1.5710 | 0.0352 | 0.0642 | 1.0000 | 492 | tags=43%, list=11%, signal=48% |
| HOLLERN_EMT_BREAST_TUMOR_DN | HOLLERN_EMT_BREAST_TUMOR_DN | 37 | 0.4444 | 2.3536 | 0.0000 | 0.0005 | 0.0520 | 550 | tags=41%, list=12%, signal=46% |

| | | | | | | | | | |
|--|------------------------------------|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| HOLLERN_EMT_BR EAST_TUMOR_UP | HOLLERN_EMT_BRE AST_TUMOR_UP | 42 | 0.1777 | 0.9956 | 0.4788 | 0.5433 | 1.0000 | 341 | tags=17%, list=8%, signal=18% |
| HOLLERN_SQUAM OUS_BREAST_TUM OR | HOLLERN_SQUAMO US_BREAST_TUMOR | 40 | 0.1572 | 0.8493 | 0.6914 | 0.7427 | 1.0000 | 671 | tags=23%, list=15%, signal=26% |
| HOLLMANN_APOP TOSIS_VIA_CD40_D N | HOLLMANN_APOPTO SIS_VIA_CD40_DN | 64 | 0.2529 | 1.5648 | 0.0198 | 0.0661 | 1.0000 | 1151 | tags=42%, list=26%, signal=56% |
| HOLLMANN_APOP TOSIS_VIA_CD40_U P | HOLLMANN_APOPTO SIS_VIA_CD40_UP | 44 | 0.1731 | 0.9506 | 0.5892 | 0.6036 | 1.0000 | 1612 | tags=57%, list=36%, signal=88% |
| HOOI_ST7_TARGET S_DN | HOOI_ST7_TARGETS_ DN | 33 | 0.2046 | 1.0575 | 0.3540 | 0.4618 | 1.0000 | 1779 | tags=67%, list=40%, signal=110% |
| HOOI_ST7_TARGET S_UP | HOOI_ST7_TARGETS_ UP | 20 | 0.3375 | 1.4336 | 0.0994 | 0.1176 | 1.0000 | 776 | tags=50%, list=17%, signal=60% |
| HOQUE_METHYLA TED_IN_CANCER | HOQUE_METHYLATE D_IN_CANCER | 19 | 0.2865 | 1.2431 | 0.1848 | 0.2494 | 1.0000 | 1607 | tags=68%, list=36%, signal=107% |
| HORIUCHI_WTAP_ TARGETS_DN | HORIUCHI_WTAP_TA RGETS_DN | 112 | 0.4411 | 3.2061 | 0.0000 | 0.0000 | 0.0000 | 1349 | tags=67%, list=30%, signal=94% |

| | | | | | | | | | |
|---|---|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| HORIUCHI_WTAP_TARGETS_UP | HORIUCHI_WTAP_TARGETS_UP | 66 | 0.2534 | 1.6268 | 0.0000 | 0.0497 | 1.0000 | 1199 | tags=45%, list=27%, signal=61% |
| HOSHIDA_LIVER_CANCER_LATE_RECURRENCE_UP | HOSHIDA_LIVER_CANCER_LATE_RECURRENCE_UP | 21 | 0.5079 | 2.3126 | 0.0000 | 0.0007 | 0.0790 | 1489 | tags=81%, list=34%, signal=121% |
| HOSHIDA_LIVER_CANCER_SUBCLASS_S1 | HOSHIDA_LIVER_CANCER_SUBCLASS_S1 | 93 | 0.6092 | 4.0957 | 0.0000 | 0.0000 | 0.0000 | 1383 | tags=85%, list=31%, signal=121% |
| HOSHIDA_LIVER_CANCER_SURVIVAL_UP | HOSHIDA_LIVER_CANCER_SURVIVAL_UP | 28 | 0.5730 | 2.7689 | 0.0000 | 0.0000 | 0.0000 | 1750 | tags=93%, list=39%, signal=152% |
| HOUNKPE_HOUSEKEEPING_GENES | HOUNKPE_HOUSEKEEPING_GENES | 74 | 0.1587 | 1.0513 | 0.3797 | 0.4694 | 1.0000 | 1283 | tags=38%, list=29%, signal=52% |
| HSIAO_HOUSEKEEPING_GENES | HSIAO_HOUSEKEEPING_GENES | 119 | 0.3352 | 2.3600 | 0.0000 | 0.0004 | 0.0450 | 2137 | tags=81%, list=48%, signal=151% |
| HUANG_DASATINIB_RESISTANCE_DN | HUANG_DASATINIB_RESISTANCE_DN | 19 | 0.2266 | 0.9511 | 0.5030 | 0.6032 | 1.0000 | 279 | tags=21%, list=6%, signal=22% |
| HUANG_DASATINIB_SENSITIVITY_UP | HUANG_DASATINIB_SENSITIVITY_UP | 23 | 0.5097 | 2.3636 | 0.0000 | 0.0004 | 0.0450 | 1237 | tags=70%, list=28%, signal=96% |

| | | | | | | | | | |
|---|--|----|--------|--------|--------|--------|--------|------|---------------------------------------|
| HUANG_FOXA2_TAR RGETS_DN | HUANG_FOXA2_TAR GETS_DN | 19 | 0.3315 | 1.4308 | 0.1241 | 0.1188 | 1.0000 | 121 | tags=21%, list=3%, signal=22% |
| HUANG_GATA2_TAR RGETS_DN | HUANG_GATA2_TAR GETS_DN | 18 | 0.2931 | 1.2072 | 0.2239 | 0.2839 | 1.0000 | 1037 | tags=44%, list=23%, signal=58% |
| HUMMERICH_SKIN_ _CANCER_PROGRE SSION_DN | HUMMERICH_SKIN_ CANCER_PROGRESSI ON_DN | 33 | 0.1655 | 0.8716 | 0.6540 | 0.7139 | 1.0000 | 689 | tags=27%, list=16%, signal=32% |
| HUMMERICH_SKIN_ _CANCER_PROGRE SSION_UP | HUMMERICH_SKIN_ CANCER_PROGRESSI ON_UP | 34 | 0.3281 | 1.7383 | 0.0120 | 0.0286 | 0.9980 | 252 | tags=26%, list=6%, signal=28% |
| HUPER_BREAST_B ASAL_VS_LUMINA L_DN | HUPER_BREAST_BAS AL_VS_LUMINAL_DN | 15 | 0.4026 | 1.5859 | 0.0422 | 0.0599 | 1.0000 | 806 | tags=47%, list=18%, signal=57% |
| HUPER_BREAST_B ASAL_VS_LUMINA L_UP | HUPER_BREAST_BAS AL_VS_LUMINAL_UP | 16 | 0.3641 | 1.4143 | 0.0805 | 0.1281 | 1.0000 | 1795 | tags=75%, list=40%, signal=126% |
| IBRAHIM_NRF1_DO WN | IBRAHIM_NRF1_DOW N | 34 | 0.3083 | 1.6287 | 0.0180 | 0.0493 | 1.0000 | 1141 | tags=56%, list=26%, signal=75% |
| IBRAHIM_NRF1_UP | IBRAHIM_NRF1_UP | 80 | 0.2093 | 1.4076 | 0.0361 | 0.1315 | 1.0000 | 678 | tags=30%, list=15%, signal=35% |

| | | | | | | | | | |
|---|---|----|--------|--------|--------|--------|--------|------|---------------------------------------|
| IBRAHIM_NRF2_DOWN | IBRAHIM_NRF2_DOWN | 35 | 0.2627 | 1.3689 | 0.0884 | 0.1530 | 1.0000 | 1086 | tags=46%, list=24%, signal=60% |
| IBRAHIM_NRF2_UP | IBRAHIM_NRF2_UP | 84 | 0.1632 | 1.0859 | 0.2752 | 0.4235 | 1.0000 | 761 | tags=29%, list=17%, signal=34% |
| ICHIBA_GRAFT_VERSUS_HOST_DISEASE_35D_UP | ICHIBA_GRAFT_VERSUS_HOST_DISEASE_35D_UP | 43 | 0.1750 | 0.9738 | 0.5190 | 0.5730 | 1.0000 | 767 | tags=30%, list=17%, signal=36% |
| IGARASHI_ATF4_TARGETS_DN | IGARASHI_ATF4_TARGETS_DN | 26 | 0.2848 | 1.3337 | 0.1250 | 0.1751 | 1.0000 | 554 | tags=38%, list=12%, signal=44% |
| IGLESIAS_E2F_TARGETS_UP | IGLESIAS_E2F_TARGETS_UP | 61 | 0.3442 | 2.1134 | 0.0000 | 0.0032 | 0.3970 | 1234 | tags=59%, list=28%, signal=81% |
| IKEDA_MIR30_TARGETS_UP | IKEDA_MIR30_TARGETS_UP | 26 | 0.2969 | 1.3851 | 0.1051 | 0.1440 | 1.0000 | 635 | tags=38%, list=14%, signal=45% |
| INGRAM_SHH_TARGETS_DN | INGRAM_SHH_TARGETS_DN | 22 | 0.3276 | 1.5042 | 0.0336 | 0.0870 | 1.0000 | 217 | tags=23%, list=5%, signal=24% |
| ISHIDA_E2F_TARGETS | ISHIDA_E2F_TARGETS | 27 | 0.6916 | 3.3683 | 0.0000 | 0.0000 | 0.0000 | 1123 | tags=89%, list=25%, signal=118% |

| | | | | | | | | | |
|--|--|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| ISSAEVA_MLL2_TAR RGETS | ISSAEVA_MLL2_TAR GETS | 19 | 0.3084 | 1.2706 | 0.1503 | 0.2252 | 1.0000 | 1671 | tags=68%, list=38%, signal=109% |
| IVANOVA_HEMAT OPOIESIS_INTERM EDIATE_PROGENIT OR | IVANOVA_HEMATOP OIESIS_INTERMEDI ATE_PROGENITOR | 21 | 0.1800 | 0.7859 | 0.7987 | 0.8130 | 1.0000 | 58 | tags=10%, list=1%, signal=10% |
| IVANOVA_HEMAT OPOIESIS_LATE_PR OGENITOR | IVANOVA_HEMATOP OIESIS_LATE_PROGE NITOR | 105 | 0.1392 | 1.0001 | 0.4812 | 0.5373 | 1.0000 | 1278 | tags=40%, list=29%, signal=55% |
| IVANOVA_HEMAT OPOIESIS_STEM_C ELL_AND_PROGEN ITOR | IVANOVA_HEMATOP OIESIS_STEM_CELL_ AND_PROGENITOR | 122 | 0.1336 | 0.9675 | 0.5250 | 0.5809 | 1.0000 | 695 | tags=23%, list=16%, signal=26% |
| IVANOVA_HEMAT OPOIESIS_STEM_C ELL_LONG_TERM | IVANOVA_HEMATOP OIESIS_STEM_CELL_ LONG_TERM | 52 | 0.2348 | 1.3640 | 0.0917 | 0.1559 | 1.0000 | 1467 | tags=56%, list=33%, signal=82% |
| IZADPANAH_STEM _CELL_ADIPOSE_V S_BONE_DN | IZADPANAH_STEM_C ELL_ADIPOSE_VS_B ONE_DN | 36 | 0.2246 | 1.2013 | 0.2182 | 0.2874 | 1.0000 | 1103 | tags=47%, list=25%, signal=62% |
| IZADPANAH_STEM _CELL_ADIPOSE_V S_BONE_UP | IZADPANAH_STEM_C ELL_ADIPOSE_VS_B ONE_UP | 36 | 0.2729 | 1.4546 | 0.0630 | 0.1090 | 1.0000 | 1071 | tags=50%, list=24%, signal=65% |

| | | | | | | | | | |
|--|--|----|--------|--------|--------|--------|--------|------|---------------------------------------|
| JAATINEN_HEMATOPOIETIC_STEM_CELL_UP | JAATINEN_HEMATOPOIETIC_STEM_CELL_UP | 91 | 0.2996 | 2.0511 | 0.0000 | 0.0045 | 0.5620 | 1422 | tags=57%, list=32%, signal=82% |
| JACKSON_DNMT1_TARGETS_UP | JACKSON_DNMT1_TARGETS_UP | 16 | 0.3059 | 1.2020 | 0.1994 | 0.2872 | 1.0000 | 661 | tags=44%, list=15%, signal=51% |
| JAEGER_METASTASIS_DN | JAEGER_METASTASIS_DN | 76 | 0.2245 | 1.4343 | 0.0299 | 0.1175 | 1.0000 | 806 | tags=32%, list=18%, signal=38% |
| JAEGER_METASTASIS_UP | JAEGER_METASTASIS_UP | 17 | 0.5973 | 2.4027 | 0.0000 | 0.0003 | 0.0270 | 234 | tags=47%, list=5%, signal=49% |
| JAZAG_TGFB1_SIGNALING_UP | JAZAG_TGFB1_SIGNALING_UP | 18 | 0.2019 | 0.8208 | 0.6828 | 0.7745 | 1.0000 | 536 | tags=28%, list=12%, signal=31% |
| JAZAG_TGFB1_SIGNALING_VIA_SMAD4_DN | JAZAG_TGFB1_SIGNALING_VIA_SMAD4_DN | 17 | 0.2212 | 0.9281 | 0.5374 | 0.6325 | 1.0000 | 581 | tags=29%, list=13%, signal=34% |
| JECHLINGER_EPITHELIAL_TO_MESENCHYMAL_TRANSITION_DN | JECHLINGER_EPITHELIAL_TO_MESENCHYMAL_TRANSITION_DN | 21 | 0.3385 | 1.4587 | 0.0687 | 0.1071 | 1.0000 | 1807 | tags=71%, list=41%, signal=120% |

| | | | | | | | | | |
|--|--|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| JECHLINGER_EPITHELIAL_TO_MESENCHYMAL_TRANSITION_UP | JECHLINGER_EPITHELIAL_TO_MESENCHYMAL_TRANSITION_UP | 22 | 0.3006 | 1.3529 | 0.1449 | 0.1629 | 1.0000 | 1488 | tags=55%, list=34%, signal=82% |
| JI_RESPONSE_TO_FSH_UP | JI_RESPONSE_TO_FSH_UP | 20 | 0.1899 | 0.8469 | 0.6847 | 0.7452 | 1.0000 | 921 | tags=35%, list=21%, signal=44% |
| JIANG_AGING_CEREBRAL_CORTEX_DN | JIANG_AGING_CEREBRAL_CORTEX_DN | 15 | 0.3242 | 1.2459 | 0.1810 | 0.2473 | 1.0000 | 1887 | tags=73%, list=43%, signal=127% |
| JIANG_TIP30_TARGETS_UP | JIANG_TIP30_TARGETS_UP | 18 | 0.5528 | 2.3207 | 0.0000 | 0.0006 | 0.0700 | 402 | tags=44%, list=9%, signal=49% |
| JINESH_BLEBBISHIELD_TO_IMMUNE_CELL_FUSION_PBSHMS_UP | JINESH_BLEBBISHIELD_TO_IMMUNE_CELL_FUSION_PBSHMS_UP | 116 | 0.3722 | 2.5866 | 0.0000 | 0.0001 | 0.0040 | 1699 | tags=72%, list=38%, signal=113% |
| JINESH_BLEBBISHIELD_TRANSFORMED_STEM_CELL_SPHERES_DN | JINESH_BLEBBISHIELD_TRANSFORMED_STEM_CELL_SPHERES_DN | 53 | 0.1420 | 0.8431 | 0.7311 | 0.7481 | 1.0000 | 1098 | tags=34%, list=25%, signal=45% |
| JINESH_BLEBBISHIELD_TRANSFORMED_STEM_CELL_SPHERES_UP | JINESH_BLEBBISHIELD_TRANSFORMED_STEM_CELL_SPHERES_UP | 52 | 0.2195 | 1.2853 | 0.1268 | 0.2130 | 1.0000 | 197 | tags=17%, list=4%, signal=18% |

| | | | | | | | | | |
|---|---|----|--------|--------|--------|--------|--------|------|---------------------------------------|
| JINESH_BLEBBISHI ELD_VS_LIVE_CON TROL_DN | JINESH_BLEBBISHIE LD_VS_LIVE_CONTR OL_DN | 88 | 0.2842 | 1.8564 | 0.0000 | 0.0152 | 0.9510 | 713 | tags=34%, list=16%, signal=40% |
| JINESH_BLEBBISHI ELD_VS_LIVE_CON TROL_UP | JINESH_BLEBBISHIE LD_VS_LIVE_CONTR OL_UP | 66 | 0.1027 | 0.6264 | 0.9611 | 0.9473 | 1.0000 | 1151 | tags=32%, list=26%, signal=42% |
| JISON_SICKLE_CEL L_DISEASE_DN | JISON_SICKLE_CELL _DISEASE_DN | 46 | 0.2572 | 1.4564 | 0.0661 | 0.1081 | 1.0000 | 2108 | tags=78%, list=48%, signal=148% |
| JISON_SICKLE_CEL L_DISEASE_UP | JISON_SICKLE_CELL _DISEASE_UP | 45 | 0.1548 | 0.8690 | 0.6947 | 0.7153 | 1.0000 | 1549 | tags=47%, list=35%, signal=71% |
| JOHANSSON_BRAI N_CANCER_EARLY _VS_LATE_DN | JOHANSSON_BRAIN_ CANCER_EARLY_VS_ LATE_DN | 17 | 0.2913 | 1.1948 | 0.2435 | 0.2937 | 1.0000 | 1091 | tags=47%, list=25%, signal=62% |
| JOHANSSON_GLIO MAGENESIS_BY_P DGF_UP | JOHANSSON_GLIOM AGENESIS_BY_PDGF B_UP | 24 | 0.6118 | 2.8209 | 0.0000 | 0.0000 | 0.0000 | 1054 | tags=75%, list=24%, signal=98% |
| JOHNSTONE_PARV B_TARGETS_2_DN | JOHNSTONE_PARVB_ TARGETS_2_DN | 56 | 0.3149 | 1.9447 | 0.0050 | 0.0089 | 0.8250 | 854 | tags=41%, list=19%, signal=50% |
| JOHNSTONE_PARV B_TARGETS_2_UP | JOHNSTONE_PARVB_ TARGETS_2_UP | 29 | 0.2549 | 1.2162 | 0.1806 | 0.2747 | 1.0000 | 177 | tags=17%, list=4%, signal=18% |

| | | | | | | | | | |
|--|---|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| JOHNSTONE_PARV B_TARGETS_3_DN | JOHNSTONE_PARVB_ TARGETS_3_DN | 178 | 0.3741 | 2.9631 | 0.0000 | 0.0000 | 0.0000 | 1347 | tags=61%, list=30%, signal=84% |
| JOHNSTONE_PARV B_TARGETS_3_UP | JOHNSTONE_PARVB_ TARGETS_3_UP | 110 | 0.1687 | 1.2039 | 0.1849 | 0.2871 | 1.0000 | 1074 | tags=34%, list=24%, signal=43% |
| KAAB_FAILED_HE ART_ATRIUM_DN | KAAB_FAILED_HEAR T_ATRIUM_DN | 46 | 0.1666 | 0.9249 | 0.5652 | 0.6363 | 1.0000 | 1245 | tags=43%, list=28%, signal=60% |
| KAAB_HEART_ATR IUM_VS_VENTRICLE E_UP | KAAB_HEART_ATRI UM_VS_VENTRICLE_ UP | 85 | 0.2078 | 1.4397 | 0.0417 | 0.1155 | 1.0000 | 1695 | tags=62%, list=38%, signal=99% |
| KAMMINGA_EZH2_ TARGETS | KAMMINGA_EZH2_T ARGETS | 18 | 0.7010 | 2.8998 | 0.0000 | 0.0000 | 0.0000 | 1212 | tags=94%, list=27%, signal=129% |
| KAN_RESPONSE_T O_ARSENIC_TRIOX IDE | KAN_RESPONSE_TO_ ARSENIC_TRIOXIDE | 50 | 0.2726 | 1.5821 | 0.0218 | 0.0609 | 1.0000 | 1056 | tags=44%, list=24%, signal=57% |
| KANG_DOXORUBI CIN_RESISTANCE_ UP | KANG_DOXORUBICI N_RESISTANCE_UP | 35 | 0.6842 | 3.6320 | 0.0000 | 0.0000 | 0.0000 | 1349 | tags=97%, list=30%, signal=138% |
| KANG_IMMORTALI ZED_BY_TERT_UP | KANG_IMMORTALIZ ED_BY_TERT_UP | 30 | 0.2867 | 1.3852 | 0.0920 | 0.1441 | 1.0000 | 516 | tags=27%, list=12%, signal=30% |

| | | | | | | | | | |
|--|---|----|--------|--------|--------|--------|--------|------|--|
| KANNAN_TP53_TAR GETS_UP | KANNAN_TP53_TAR GETS_UP | 21 | 0.2960 | 1.2608 | 0.1827 | 0.2336 | 1.0000 | 767 | tags=38%, list=17%, signal=46% |
| KARLSSON_TGFB1 _TARGETS_UP | KARLSSON_TGFB1_T ARGETS_UP | 24 | 0.3589 | 1.6098 | 0.0256 | 0.0532 | 1.0000 | 1282 | tags=58%, list=29%, signal=82% |
| KATSANOUELA V_L1_TARGETS_UP | KATSANOUELA V_L1_TARGETS_UP | 50 | 0.2319 | 1.3492 | 0.1065 | 0.1652 | 1.0000 | 177 | tags=16%, list=4%, signal=16% |
| KAUFFMANN_DNA _REPAIR_GENES | KAUFFMANN_DNA_R EPAIR_GENES | 42 | 0.4681 | 2.5914 | 0.0000 | 0.0001 | 0.0040 | 1317 | tags=71%, list=30%, signal=101% |
| KAUFFMANN_DNA _REPLICATION_GE NES | KAUFFMANN_DNA_R EPLICATION_GENES | 34 | 0.4054 | 2.0958 | 0.0036 | 0.0035 | 0.4400 | 1375 | tags=79%, list=31%, signal=114% |
| KAUFFMANN_MEL ANOMA_RELAPSE_ UP | KAUFFMANN_MELA NOMA_RELAPSE_ UP | 26 | 0.6939 | 3.3790 | 0.0000 | 0.0000 | 0.0000 | 1375 | tags=100%, list=31%, signal=144% |
| KAYO_AGING_MU SCLE_UP | KAYO_AGING_MUSC LE_UP | 62 | 0.2069 | 1.2760 | 0.1262 | 0.2211 | 1.0000 | 432 | tags=21%, list=10%, signal=23% |
| KAYO_CALORIE_R ESTRICTION_MUSC LE_UP | KAYO_CALORIE_RES TRITION_MUSCLE_ UP | 33 | 0.4400 | 2.2788 | 0.0000 | 0.0009 | 0.1080 | 509 | tags=42%, list=11%, signal=48% |

| | | | | | | | | | |
|---|---|----|--------|--------|--------|--------|--------|------|---------------------------------------|
| KEGG_ALZHEIMER S_DISEASE | KEGG_ALZHEIMERS_ DISEASE | 20 | 0.1822 | 0.8168 | 0.7096 | 0.7794 | 1.0000 | 1888 | tags=65%, list=43%, signal=113% |
| KEGG_ARRHYTHM OGENIC_RIGHT_VE NTRICULAR_CARD IOMYOPATHY_AR VC | KEGG_ARRHYTHMO GENIC_RIGHT_VENT RICULAR_CARDIOM YOPATHY_ARVC | 27 | 0.4254 | 2.0650 | 0.0000 | 0.0043 | 0.5260 | 1701 | tags=74%, list=38%, signal=119% |
| KEGG_AXON_GUID ANCE | KEGG_AXON_GUIDA NCE | 30 | 0.3340 | 1.7286 | 0.0073 | 0.0302 | 0.9990 | 1326 | tags=63%, list=30%, signal=90% |
| KEGG_CELL_ADHE SION_MOLECULES _CAMS | KEGG_CELL_ADHESI ON_MOLECULES_CA MS | 28 | 0.1953 | 0.9198 | 0.5560 | 0.6435 | 1.0000 | 314 | tags=14%, list=7%, signal=15% |
| KEGG_CELL_CYCL E | KEGG_CELL_CYCLE | 39 | 0.5007 | 2.7330 | 0.0000 | 0.0000 | 0.0010 | 960 | tags=59%, list=22%, signal=75% |
| KEGG_DILATED_C ARDIOMYOPATHY | KEGG_DILATED_CAR DIOMYOPATHY | 29 | 0.3942 | 1.9479 | 0.0069 | 0.0087 | 0.8190 | 1549 | tags=66%, list=35%, signal=100% |
| KEGG_ECM_RECEP TOR_INTERACTION | KEGG_ECM_RECEPT OR_INTERACTION | 45 | 0.5457 | 3.0592 | 0.0000 | 0.0000 | 0.0000 | 383 | tags=47%, list=9%, signal=51% |
| KEGG_ENDOCYTO SIS | KEGG_ENDOCYTOSI S | 38 | 0.3851 | 2.1177 | 0.0000 | 0.0031 | 0.3820 | 888 | tags=53%, list=20%, signal=65% |

| | | | | | | | | | |
|---|---|----|--------|--------|--------|--------|--------|------|---------------------------------------|
| KEGG_FC_GAMMA _R_MEDIATED_PH AGOCYTOSIS | KEGG_FC_GAMMA_R _MEDIATED_PHAGO CYTOSIS | 23 | 0.4221 | 1.8707 | 0.0065 | 0.0139 | 0.9320 | 906 | tags=52%, list=20%, signal=65% |
| KEGG_FOCAL_ADH ESION | KEGG_FOCAL_ADHE SION | 70 | 0.4877 | 3.1445 | 0.0000 | 0.0000 | 0.0000 | 383 | tags=41%, list=9%, signal=45% |
| KEGG_GAP_JUNCTI ON | KEGG_GAP_JUNCTIO N | 26 | 0.4084 | 1.9832 | 0.0068 | 0.0070 | 0.7430 | 677 | tags=42%, list=15%, signal=50% |
| KEGG_GLIOMA | KEGG_GLIOMA | 15 | 0.2192 | 0.8642 | 0.6514 | 0.7206 | 1.0000 | 1871 | tags=67%, list=42%, signal=115% |
| KEGG_GNRH_SIGN ALING_PATHWAY | KEGG_GNRH_SIGNA LING_PATHWAY | 21 | 0.2238 | 0.9829 | 0.4771 | 0.5618 | 1.0000 | 929 | tags=43%, list=21%, signal=54% |
| KEGG_HYPERTROP HIC_CARDIOMYOP ATHY_HCM | KEGG_HYPERTROPHI C_CARDIOMYOPATH Y_HCM | 25 | 0.4607 | 2.1657 | 0.0000 | 0.0022 | 0.2690 | 1549 | tags=72%, list=35%, signal=110% |
| KEGG_LYSOSOME | KEGG_LYSOSOME | 21 | 0.3229 | 1.4105 | 0.0912 | 0.1299 | 1.0000 | 1343 | tags=52%, list=30%, signal=75% |
| KEGG_MAPK_SIGN ALING_PATHWAY | KEGG_MAPK_SIGNA LING_PATHWAY | 44 | 0.1334 | 0.7544 | 0.8223 | 0.8492 | 1.0000 | 1076 | tags=30%, list=24%, signal=39% |

| | | | | | | | | | |
|--|--|----|--------|--------|--------|--------|--------|------|---------------------------------------|
| KEGG_MELANOMA | KEGG_MELANOMA | 18 | 0.3434 | 1.4020 | 0.1098 | 0.1345 | 1.0000 | 1610 | tags=72%, list=36%, signal=113% |
| KEGG_NEUROTROPHIN_SIGNALING_PATHWAY | KEGG_NEUROTROPHIN_SIGNALING_PATHWAY | 18 | 0.2410 | 1.0124 | 0.4207 | 0.5243 | 1.0000 | 1762 | tags=61%, list=40%, signal=101% |
| KEGG_OOCYTE_MEIOSIS | KEGG_OOCYTE_MEIOSIS | 28 | 0.3175 | 1.5729 | 0.0395 | 0.0638 | 1.0000 | 677 | tags=39%, list=15%, signal=46% |
| KEGG_P53_SIGNALING_PATHWAY | KEGG_P53_SIGNALING_PATHWAY | 22 | 0.3199 | 1.4575 | 0.0671 | 0.1076 | 1.0000 | 1405 | tags=59%, list=32%, signal=86% |
| KEGG_PATHOGENIC_ESCHERICHIA_COLI_INFECTION | KEGG_PATHOGENIC_ESCHERICHIA_COLI_INFECTION | 21 | 0.3671 | 1.6033 | 0.0261 | 0.0550 | 1.0000 | 1966 | tags=76%, list=44%, signal=136% |
| KEGG_PATHWAYS_IN_CANCER | KEGG_PATHWAYS_IN_CANCER | 71 | 0.3484 | 2.2285 | 0.0000 | 0.0013 | 0.1600 | 1610 | tags=68%, list=36%, signal=104% |
| KEGG_PROGESTERONE_MEDIATED_OOCYTE_MATURATION | KEGG_PROGESTERONE_MEDIATED_OOCYTE_MATURATION | 18 | 0.3691 | 1.4990 | 0.0695 | 0.0889 | 1.0000 | 859 | tags=50%, list=19%, signal=62% |
| KEGG_PROSTATE_CANCER | KEGG_PROSTATE_CANCER | 23 | 0.2595 | 1.1792 | 0.2439 | 0.3095 | 1.0000 | 859 | tags=43%, list=19%, signal=54% |

| | | | | | | | | | |
|---------------------------------------|---------------------------------------|----|--------|--------|--------|--------|--------|------|--|
| KEGG_REGULATION_OF_ACTIN_CYTOSKELETON | KEGG_REGULATION_OF_ACTIN_CYTOSKELETON | 59 | 0.2872 | 1.7437 | 0.0155 | 0.0280 | 0.9970 | 1760 | tags=64%, list=40%, signal=105% |
| KEGG_RIBOSOME | KEGG_RIBOSOME | 40 | 0.5144 | 2.8122 | 0.0000 | 0.0000 | 0.0000 | 2174 | tags=100%, list=49%, signal=194% |
| KEGG_SMALL_CELL_LUNG_CANCER | KEGG_SMALL_CELL_LUNG_CANCER | 23 | 0.6206 | 2.8802 | 0.0000 | 0.0000 | 0.0000 | 1125 | tags=78%, list=25%, signal=104% |
| KEGG_TGF_BETA_SIGNALING_PATHWAY | KEGG_TGF_BETA_SIGNALING_PATHWAY | 22 | 0.3151 | 1.3864 | 0.0932 | 0.1434 | 1.0000 | 608 | tags=36%, list=14%, signal=42% |
| KEGG_TIGHT_JUNCTION | KEGG_TIGHT_JUNCTION | 29 | 0.1053 | 0.5067 | 0.9893 | 0.9880 | 1.0000 | 3972 | tags=100%, list=90%, signal=948% |
| KEGG_VIBRIO_CHOLERAE_INFECTION | KEGG_VIBRIO_CHOLERAE_INFECTION | 15 | 0.3757 | 1.4149 | 0.0968 | 0.1279 | 1.0000 | 1991 | tags=80%, list=45%, signal=145% |
| KEGG_WNT_SIGNALING_PATHWAY | KEGG_WNT_SIGNALING_PATHWAY | 26 | 0.3013 | 1.3810 | 0.0985 | 0.1459 | 1.0000 | 1044 | tags=46%, list=24%, signal=60% |
| KENNY_CTNNB1_TARGETS_UP | KENNY_CTNNB1_TARGETS_UP | 15 | 0.3493 | 1.3438 | 0.1321 | 0.1689 | 1.0000 | 979 | tags=53%, list=22%, signal=68% |

| | | | | | | | | | |
|--|--|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| KHETCHOUMIAN_TRIM24_TARGETS_UP | KHETCHOUMIAN_TRIM24_TARGETS_UP | 20 | 0.5260 | 2.3064 | 0.0000 | 0.0007 | 0.0840 | 1054 | tags=70%, list=24%, signal=91% |
| KIM_ALL_DISORDERS_CALB1_CORR_UP | KIM_ALL_DISORDER_S_CALB1_CORR_UP | 101 | 0.2331 | 1.6196 | 0.0000 | 0.0514 | 1.0000 | 1590 | tags=58%, list=36%, signal=89% |
| KIM_ALL_DISORDERS_DURATION_CORR_DN | KIM_ALL_DISORDER_S_DURATION_CORR_DN | 29 | 0.2084 | 1.0037 | 0.4555 | 0.5339 | 1.0000 | 1803 | tags=62%, list=41%, signal=104% |
| KIM_ALL_DISORDERS_OLIGODENDROCYTE_NUMBER_CORR_UP | KIM_ALL_DISORDER_S_OLIGODENDROCYTE_NUMBER_CORR_UP | 163 | 0.1839 | 1.3744 | 0.0135 | 0.1496 | 1.0000 | 1904 | tags=61%, list=43%, signal=102% |
| KIM_BIPOLAR_DISORDER_OLIGODENDROCYTE_DENSITY_CORR_UP | KIM_BIPOLAR_DISORDER_OLIGODENDROCYTE_DENSITY_CORR_UP | 153 | 0.1589 | 1.1831 | 0.1609 | 0.3052 | 1.0000 | 1591 | tags=49%, list=36%, signal=74% |
| KIM_GLIS2_TARGETS_UP | KIM_GLIS2_TARGETS_UP | 35 | 0.4544 | 2.3573 | 0.0000 | 0.0004 | 0.0490 | 1126 | tags=69%, list=25%, signal=91% |
| KIM_LIVER_CANCER_POOR_SURVIVAL_UP | KIM_LIVER_CANCER_POOR_SURVIVAL_UP | 15 | 0.5348 | 2.0632 | 0.0000 | 0.0043 | 0.5350 | 1760 | tags=93%, list=40%, signal=154% |

| | | | | | | | | | |
|-----------------------------------|-----------------------------------|----|--------|--------|--------|--------|--------|------|---------------------------------------|
| KIM_MYC_AMPLIFICATION_TARGETS_DN | KIM_MYC_AMPLIFICATION_TARGETS_DN | 19 | 0.4726 | 1.9817 | 0.0000 | 0.0070 | 0.7450 | 1296 | tags=74%, list=29%, signal=104% |
| KIM_MYCN_AMPLIFICATION_TARGETS_DN | KIM_MYCN_AMPLIFICATION_TARGETS_DN | 24 | 0.4596 | 2.1153 | 0.0000 | 0.0031 | 0.3880 | 1513 | tags=75%, list=34%, signal=113% |
| KIM_WT1_TARGETS_12HR_DN | KIM_WT1_TARGETS_12HR_DN | 36 | 0.4024 | 2.1480 | 0.0000 | 0.0026 | 0.3150 | 1134 | tags=58%, list=26%, signal=78% |
| KIM_WT1_TARGETS_12HR_UP | KIM_WT1_TARGETS_12HR_UP | 52 | 0.3783 | 2.2126 | 0.0000 | 0.0015 | 0.1810 | 1695 | tags=79%, list=38%, signal=126% |
| KIM_WT1_TARGETS_8HR_DN | KIM_WT1_TARGETS_8HR_DN | 18 | 0.2982 | 1.2550 | 0.1827 | 0.2390 | 1.0000 | 1087 | tags=44%, list=24%, signal=59% |
| KIM_WT1_TARGETS_8HR_UP | KIM_WT1_TARGETS_8HR_UP | 45 | 0.3948 | 2.2115 | 0.0000 | 0.0015 | 0.1830 | 1405 | tags=69%, list=32%, signal=100% |
| KIM_WT1_TARGETS_DN | KIM_WT1_TARGETS_DN | 96 | 0.4688 | 3.2107 | 0.0000 | 0.0000 | 0.0000 | 1266 | tags=66%, list=29%, signal=90% |
| KIM_WT1_TARGETS_UP | KIM_WT1_TARGETS_UP | 61 | 0.3603 | 2.2648 | 0.0000 | 0.0010 | 0.1180 | 1888 | tags=79%, list=43%, signal=135% |

| | | | | | | | | | |
|---|---|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| KINSEY_TARGETS_OF_EWSR1_FLII_FUSION_DN | KINSEY_TARGETS_OF_EWSR1_FLII_FUSION_DN | 95 | 0.3375 | 2.3419 | 0.0000 | 0.0005 | 0.0570 | 1178 | tags=54%, list=27%, signal=72% |
| KINSEY_TARGETS_OF_EWSR1_FLII_FUSION_UP | KINSEY_TARGETS_OF_EWSR1_FLII_FUSION_UP | 286 | 0.3193 | 2.7122 | 0.0000 | 0.0000 | 0.0020 | 1349 | tags=58%, list=30%, signal=78% |
| KLEIN_PRIMARY_EFFUSION_LYMPHOMA_DN | KLEIN_PRIMARY_EFFUSION_LYMPHOMA_DN | 15 | 0.4031 | 1.5401 | 0.0585 | 0.0744 | 1.0000 | 767 | tags=53%, list=17%, signal=64% |
| KLEIN_PRIMARY_EFFUSION_LYMPHOMA_UP | KLEIN_PRIMARY_EFFUSION_LYMPHOMA_UP | 16 | 0.1723 | 0.6777 | 0.8906 | 0.9155 | 1.0000 | 658 | tags=25%, list=15%, signal=29% |
| KOBAYASHI_EGFR_SIGNALING_24HR_DN | KOBAYASHI_EGFR_SIGNALING_24HR_DN | 114 | 0.5896 | 4.2397 | 0.0000 | 0.0000 | 0.0000 | 1388 | tags=86%, list=31%, signal=122% |
| KOHOUTEK_CCNT1_TARGETS | KOHOUTEK_CCNT1_TARGETS | 20 | 0.3227 | 1.3477 | 0.1185 | 0.1663 | 1.0000 | 1773 | tags=70%, list=40%, signal=116% |
| KOINUMA_TARGETS_OF_SMAD2_OR_SMAD3 | KOINUMA_TARGETS_OF_SMAD2_OR_SMAD3 | 181 | 0.3751 | 3.0768 | 0.0000 | 0.0000 | 0.0000 | 1530 | tags=65%, list=34%, signal=95% |
| KOKKINAKIS_METHIONINE_DEPRIVATION_48HR_DN | KOKKINAKIS_METHIONINE_DEPRIVATION_48HR_DN | 15 | 0.3177 | 1.2303 | 0.2017 | 0.2597 | 1.0000 | 1355 | tags=67%, list=31%, signal=96% |

| | | | | | | | | | |
|---|---|----|--------|--------|--------|--------|--------|------|---------------------------------------|
| KOKKINAKIS_METHIONINE_DEPRIVATION_48HR_UP | KOKKINAKIS_METHIONINE_DEPRIVATION_48HR_UP | 42 | 0.2403 | 1.3026 | 0.1365 | 0.1992 | 1.0000 | 787 | tags=31%, list=18%, signal=37% |
| KOKKINAKIS_METHIONINE_DEPRIVATION_96HR_DN | KOKKINAKIS_METHIONINE_DEPRIVATION_96HR_DN | 20 | 0.3349 | 1.4479 | 0.0856 | 0.1117 | 1.0000 | 1382 | tags=65%, list=31%, signal=94% |
| KOKKINAKIS_METHIONINE_DEPRIVATION_96HR_UP | KOKKINAKIS_METHIONINE_DEPRIVATION_96HR_UP | 37 | 0.2440 | 1.2544 | 0.1625 | 0.2393 | 1.0000 | 787 | tags=32%, list=18%, signal=39% |
| KONDO_EZH2_TARGETS | KONDO_EZH2_TARGETS | 59 | 0.1783 | 1.0810 | 0.3623 | 0.4296 | 1.0000 | 857 | tags=32%, list=19%, signal=39% |
| KONG_E2F3_TARGETS | KONG_E2F3_TARGETS | 50 | 0.6058 | 3.6169 | 0.0000 | 0.0000 | 0.0000 | 1349 | tags=84%, list=30%, signal=119% |
| KORKOLA_TERATOMA | KORKOLA_TERATOMA | 16 | 0.5289 | 2.1108 | 0.0028 | 0.0032 | 0.4010 | 1003 | tags=63%, list=23%, signal=80% |
| KORKOLA_YOLK_SAC_TUMOR | KORKOLA_YOLK_SAC_TUMOR | 21 | 0.1968 | 0.8549 | 0.6472 | 0.7346 | 1.0000 | 576 | tags=24%, list=13%, signal=27% |
| KOYAMA_SEMA3B_TARGETS_DN | KOYAMA_SEMA3B_TARGETS_DN | 80 | 0.2536 | 1.6895 | 0.0172 | 0.0366 | 1.0000 | 1736 | tags=65%, list=39%, signal=105% |

| | | | | | | | | | |
|--------------------------------------|--------------------------------------|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| KOYAMA_SEMA3B_TARGETS_UP | KOYAMA_SEMA3B_TARGETS_UP | 80 | 0.2247 | 1.4965 | 0.0248 | 0.0898 | 1.0000 | 1321 | tags=49%, list=30%, signal=68% |
| KRIEG_HYPOXIA_NOT_VIA_KDM3A | KRIEG_HYPOXIA_NOT_VIA_KDM3A | 224 | 0.3799 | 3.0661 | 0.0000 | 0.0000 | 0.0000 | 1207 | tags=56%, list=27%, signal=73% |
| KRIEG_HYPOXIA_VIA_KDM3A | KRIEG_HYPOXIA_VIA_KDM3A | 17 | 0.3263 | 1.2895 | 0.1643 | 0.2103 | 1.0000 | 881 | tags=47%, list=20%, signal=58% |
| KRIEG_KDM3A_TARGETS_NOT_HYPOXIA | KRIEG_KDM3A_TARGETS_NOT_HYPOXIA | 36 | 0.2084 | 1.1017 | 0.3095 | 0.4053 | 1.0000 | 532 | tags=22%, list=12%, signal=25% |
| KRIGE_RESPONSE_TO_TOSEDOSTAT_24HR_UP | KRIGE_RESPONSE_TO_TOSEDOSTAT_24HR_UP | 139 | 0.2498 | 1.9028 | 0.0000 | 0.0115 | 0.8930 | 928 | tags=39%, list=21%, signal=48% |
| KRIGE_RESPONSE_TO_TOSEDOSTAT_6HR_UP | KRIGE_RESPONSE_TO_TOSEDOSTAT_6HR_UP | 168 | 0.1981 | 1.6185 | 0.0000 | 0.0516 | 1.0000 | 862 | tags=32%, list=19%, signal=38% |
| KUNINGER_IGF1_VS_PDGF_TARGETS_DN | KUNINGER_IGF1_VS_PDGF_TARGETS_DN | 19 | 0.3713 | 1.5348 | 0.0512 | 0.0756 | 1.0000 | 1814 | tags=79%, list=41%, signal=133% |
| KYNG_DNA_DAMAGE_BY_4NQO_OR_UV | KYNG_DNA_DAMAGE_BY_4NQO_OR_UV | 15 | 0.1734 | 0.6491 | 0.8630 | 0.9358 | 1.0000 | 1129 | tags=40%, list=25%, signal=53% |

| | | | | | | | | | |
|--|--|-----|--------|--------|--------|--------|--------|------|--------------------------------------|
| KYNG_DNA_DAMAGED_DN | KYNG_DNA_DAMAGED_DN | 52 | 0.1411 | 0.8247 | 0.7857 | 0.7705 | 1.0000 | 984 | tags=33%, list=22%, signal=42% |
| KYNG_RESPONSE_TO_H2O2 | KYNG_RESPONSE_TO_H2O2 | 21 | 0.4825 | 2.0918 | 0.0000 | 0.0036 | 0.4520 | 1117 | tags=62%, list=25%, signal=82% |
| LAIHO_COLORECTAL_CANCER_SERATED_UP | LAIHO_COLORECTAL_CANCER_SERATED_UP | 27 | 0.4802 | 2.2977 | 0.0000 | 0.0008 | 0.0900 | 1103 | tags=59%, list=25%, signal=78% |
| LANDIS_ERBB2_BREAST_TUMORS_324_UP | LANDIS_ERBB2_BREAST_TUMORS_324_UP | 48 | 0.3147 | 1.7847 | 0.0044 | 0.0228 | 0.9960 | 1192 | tags=46%, list=27%, signal=62% |
| LASTOWSKA_NEUROBLASTOMA_COPY_NUMBER_UP | LASTOWSKA_NEUROBLASTOMA_COPY_NUMBER_UP | 29 | 0.2780 | 1.3648 | 0.1066 | 0.1554 | 1.0000 | 1394 | tags=59%, list=31%, signal=85% |
| LE_EGR2_TARGETS_UP | LE_EGR2_TARGETS_UP | 46 | 0.6470 | 3.6924 | 0.0000 | 0.0000 | 0.0000 | 685 | tags=67%, list=15%, signal=79% |
| LEE_AGING_CEREBELLUM_UP | LEE_AGING_CEREBELLUM_UP | 16 | 0.2922 | 1.1472 | 0.2977 | 0.3465 | 1.0000 | 305 | tags=25%, list=7%, signal=27% |
| LEE_BMP2_TARGETS_DN | LEE_BMP2_TARGETS_DN | 184 | 0.1980 | 1.5508 | 0.0000 | 0.0709 | 1.0000 | 1506 | tags=55%, list=34%, signal=80% |

| | | | | | | | | | |
|--------------------------------------|--------------------------------------|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| LEE_BMP2_TARGETS_UP | LEE_BMP2_TARGETS_UP | 270 | 0.1363 | 1.1727 | 0.1333 | 0.3167 | 1.0000 | 696 | tags=22%, list=16%, signal=25% |
| LEE_CALORIE_RESTRICTION_NEOCRITEX_DN | LEE_CALORIE_RESTRICTION_NEOCRITEX_DN | 20 | 0.3713 | 1.5965 | 0.0286 | 0.0567 | 1.0000 | 576 | tags=40%, list=13%, signal=46% |
| LEE_EARLY_T_LYMPHOCYTE_UP | LEE_EARLY_T_LYMPHOCYTE_UP | 62 | 0.5502 | 3.4053 | 0.0000 | 0.0000 | 0.0000 | 1197 | tags=74%, list=27%, signal=100% |
| LEE_LIVER_CANCER_DENA_UP | LEE_LIVER_CANCER_DENA_UP | 31 | 0.4748 | 2.4070 | 0.0000 | 0.0003 | 0.0270 | 1235 | tags=71%, list=28%, signal=98% |
| LEE_LIVER_CANCER_E2F1_UP | LEE_LIVER_CANCER_E2F1_UP | 26 | 0.2872 | 1.3701 | 0.0868 | 0.1522 | 1.0000 | 850 | tags=42%, list=19%, signal=52% |
| LEE_LIVER_CANCER_MYC_E2F1_UP | LEE_LIVER_CANCER_MYC_E2F1_UP | 22 | 0.5044 | 2.2014 | 0.0033 | 0.0016 | 0.2010 | 850 | tags=68%, list=19%, signal=84% |
| LEE_LIVER_CANCER_MYC_TGFA_UP | LEE_LIVER_CANCER_MYC_TGFA_UP | 30 | 0.1404 | 0.7037 | 0.8505 | 0.8956 | 1.0000 | 847 | tags=27%, list=19%, signal=33% |
| LEE_LIVER_CANCER_SURVIVAL_DN | LEE_LIVER_CANCER_SURVIVAL_DN | 80 | 0.5418 | 3.6913 | 0.0000 | 0.0000 | 0.0000 | 1482 | tags=76%, list=33%, signal=112% |

| | | | | | | | | | |
|--|--|----|--------|--------|--------|--------|--------|------|---------------------------------------|
| LEE_NEURAL_CRE ST_STEM_CELL_D N | LEE_NEURAL_CRE ST_STEM_CELL_DN | 23 | 0.2223 | 1.0066 | 0.4150 | 0.5303 | 1.0000 | 1651 | tags=61%, list=37%, signal=96% |
| LEE_NEURAL_CRE ST_STEM_CELL_UP | LEE_NEURAL_CRE ST_STEM_CELL_UP | 48 | 0.2683 | 1.5469 | 0.0346 | 0.0721 | 1.0000 | 1241 | tags=52%, list=28%, signal=72% |
| LEE_RECENT_THY MIC_EMIGRANT | LEE_RECENT_THYMI C_EMIGRANT | 45 | 0.2585 | 1.4601 | 0.0622 | 0.1065 | 1.0000 | 1694 | tags=64%, list=38%, signal=103% |
| LEI_MYB_TARGET S | LEI_MYB_TARGETS | 98 | 0.3721 | 2.5205 | 0.0000 | 0.0001 | 0.0070 | 1207 | tags=54%, list=27%, signal=73% |
| LEIN_CHOROID_PL EXUS_MARKERS | LEIN_CHOROID_PLE XUS_MARKERS | 38 | 0.2360 | 1.2803 | 0.1387 | 0.2171 | 1.0000 | 164 | tags=16%, list=4%, signal=16% |
| LEIN_OLIGODEND ROCYTE_MARKER S | LEIN_OLIGODENDRO CYTE_MARKERS | 20 | 0.1324 | 0.5945 | 0.9532 | 0.9604 | 1.0000 | 1335 | tags=40%, list=30%, signal=57% |
| LENAOUR_DENDRI TIC_CELL_MATUR ATION_DN | LENAOUR_DENDRITI C_CELL_MATURATIO N_DN | 33 | 0.1913 | 0.9820 | 0.4596 | 0.5622 | 1.0000 | 1117 | tags=39%, list=25%, signal=52% |
| LENAOUR_DENDRI TIC_CELL_MATUR ATION_UP | LENAOUR_DENDRITI C_CELL_MATURATIO N_UP | 43 | 0.1729 | 0.9763 | 0.4750 | 0.5694 | 1.0000 | 519 | tags=21%, list=12%, signal=23% |

| | | | | | | | | | |
|-------------------------------------|-------------------------------------|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| LEONARD_HYPOXIA | LEONARD_HYPOXIA | 18 | 0.2797 | 1.1434 | 0.2945 | 0.3516 | 1.0000 | 1793 | tags=67%, list=40%, signal=111% |
| LI_AMPLIFIED_IN_LUNG_CANCER | LI_AMPLIFIED_IN_LUNG_CANCER | 63 | 0.3871 | 2.3426 | 0.0000 | 0.0005 | 0.0560 | 2046 | tags=83%, list=46%, signal=151% |
| LI_INDUCED_T_TO_NATURAL_KILLER_UP | LI_INDUCED_T_TO_NATURAL_KILLER_UP | 100 | 0.2339 | 1.6148 | 0.0000 | 0.0522 | 1.0000 | 1054 | tags=41%, list=24%, signal=53% |
| LI_LUNG_CANCER | LI_LUNG_CANCER | 16 | 0.3360 | 1.3131 | 0.1337 | 0.1908 | 1.0000 | 1054 | tags=50%, list=24%, signal=65% |
| LI_PROSTATE_CANCER_EPIGENETIC | LI_PROSTATE_CANCER_EPIGENETIC | 17 | 0.3496 | 1.4238 | 0.0962 | 0.1224 | 1.0000 | 674 | tags=47%, list=15%, signal=55% |
| LI_WILMS_TUMOR_VS_FETAL_KIDNEY_1_DN | LI_WILMS_TUMOR_VS_FETAL_KIDNEY_1_DN | 58 | 0.5532 | 3.3314 | 0.0000 | 0.0000 | 0.0000 | 1235 | tags=76%, list=28%, signal=104% |
| LI_WILMS_TUMOR_VS_FETAL_KIDNEY_1_UP | LI_WILMS_TUMOR_VS_FETAL_KIDNEY_1_UP | 76 | 0.1831 | 1.2020 | 0.1802 | 0.2875 | 1.0000 | 818 | tags=32%, list=18%, signal=38% |
| LI_WILMS_TUMOR_VS_FETAL_KIDNEY_2_DN | LI_WILMS_TUMOR_VS_FETAL_KIDNEY_2_DN | 19 | 0.6970 | 2.8868 | 0.0000 | 0.0000 | 0.0000 | 1056 | tags=89%, list=24%, signal=117% |

| | | | | | | | | | |
|--|--|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| LIAO_HAVE_SOX4_BINDING_SITES | LIAO_HAVE_SOX4_BINDING_SITES | 19 | 0.6050 | 2.5293 | 0.0000 | 0.0001 | 0.0070 | 1497 | tags=89%, list=34%, signal=134% |
| LIAO_METASTASIS | LIAO_METASTASIS | 170 | 0.6132 | 4.6276 | 0.0000 | 0.0000 | 0.0000 | 1526 | tags=91%, list=34%, signal=133% |
| LIEN_BREAST_CARCI NOMA_METAPLASTIC | LIEN_BREAST_CARCI NOMA_METAPLASTIC | 20 | 0.6138 | 2.6395 | 0.0000 | 0.0000 | 0.0030 | 850 | tags=70%, list=19%, signal=86% |
| LIEN_BREAST_CARCI NOMA_METAPLASTIC _VS_DUCTAL_UP | LIEN_BREAST_CARCI NOMA_METAPLASTIC _VS_DUCTAL_UP | 20 | 0.2113 | 0.9282 | 0.5583 | 0.6334 | 1.0000 | 1464 | tags=60%, list=33%, signal=89% |
| LIM_MAMMARY_LUMINAL_MATURE_DN | LIM_MAMMARY_LUMINAL_MATURE_DN | 28 | 0.5164 | 2.4862 | 0.0000 | 0.0001 | 0.0090 | 1147 | tags=75%, list=26%, signal=101% |
| LIM_MAMMARY_STEM_CELL_DN | LIM_MAMMARY_STEM_CELL_DN | 103 | 0.1751 | 1.2030 | 0.1569 | 0.2873 | 1.0000 | 305 | tags=16%, list=7%, signal=16% |
| LIM_MAMMARY_STEM_CELL_UP | LIM_MAMMARY_STEM_CELL_UP | 148 | 0.2884 | 2.1888 | 0.0000 | 0.0019 | 0.2290 | 1173 | tags=49%, list=26%, signal=65% |
| LIN_APC_TARGETS | LIN_APC_TARGETS | 16 | 0.5091 | 2.0520 | 0.0000 | 0.0046 | 0.5610 | 1478 | tags=75%, list=33%, signal=112% |

| | | | | | | | | | |
|---|---|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| LIN_NPAS4_TARGE TS_UP | LIN_NPAS4_TARGET S_UP | 39 | 0.2932 | 1.6178 | 0.0042 | 0.0516 | 1.0000 | 864 | tags=36%, list=19%, signal=44% |
| LIN_SILENCED_BY _TUMOR_MICROEN VIRONMENT | LIN_SILENCED_BY_T UMOR_MICROENVIR ONMENT | 22 | 0.2658 | 1.2010 | 0.2196 | 0.2875 | 1.0000 | 1687 | tags=68%, list=38%, signal=109% |
| LINDGREN_BLADD ER_CANCER_CLUS TER_1_DN | LINDGREN_BLADDE R_CANCER_CLUSTER _1_DN | 145 | 0.3810 | 2.8058 | 0.0000 | 0.0000 | 0.0000 | 1089 | tags=55%, list=25%, signal=71% |
| LINDGREN_BLADD ER_CANCER_CLUS TER_1_UP | LINDGREN_BLADDE R_CANCER_CLUSTER _1_UP | 27 | 0.1352 | 0.6392 | 0.9135 | 0.9402 | 1.0000 | 926 | tags=30%, list=21%, signal=37% |
| LINDGREN_BLADD ER_CANCER_CLUS TER_2B | LINDGREN_BLADDE R_CANCER_CLUSTER _2B | 134 | 0.1873 | 1.3897 | 0.0093 | 0.1416 | 1.0000 | 1137 | tags=40%, list=26%, signal=52% |
| LINDGREN_BLADD ER_CANCER_CLUS TER_3_DN | LINDGREN_BLADDE R_CANCER_CLUSTER _3_DN | 56 | 0.2898 | 1.7565 | 0.0053 | 0.0265 | 0.9970 | 1247 | tags=50%, list=28%, signal=69% |
| LINDGREN_BLADD ER_CANCER_CLUS TER_3_UP | LINDGREN_BLADDE R_CANCER_CLUSTER _3_UP | 109 | 0.3973 | 2.6854 | 0.0000 | 0.0000 | 0.0030 | 1341 | tags=64%, list=30%, signal=90% |
| LINDGREN_BLADD ER_CANCER_HIGH _RECURRENCE | LINDGREN_BLADDE R_CANCER_HIGH_RE CURRENCE | 24 | 0.5016 | 2.3579 | 0.0000 | 0.0004 | 0.0490 | 1054 | tags=63%, list=24%, signal=82% |

| | | | | | | | | | |
|---------------------------------------|---------------------------------------|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| LINDSTEDT_DENDRITIC_CELL_MATURATION_C | LINDSTEDT_DENDRITIC_CELL_MATURATION_C | 22 | 0.3506 | 1.5420 | 0.0502 | 0.0738 | 1.0000 | 908 | tags=50%, list=20%, signal=63% |
| LINDSTEDT_DENDRITIC_CELL_MATURATION_D | LINDSTEDT_DENDRITIC_CELL_MATURATION_D | 16 | 0.2651 | 1.0621 | 0.3670 | 0.4557 | 1.0000 | 1422 | tags=56%, list=32%, signal=82% |
| LINDVALL_IMMORTALIZED_BY_TERT_DN | LINDVALL_IMMORTALIZED_BY_TERT_DN | 34 | 0.4769 | 2.4583 | 0.0039 | 0.0001 | 0.0110 | 1301 | tags=71%, list=29%, signal=99% |
| LINDVALL_IMMORTALIZED_BY_TERT_UP | LINDVALL_IMMORTALIZED_BY_TERT_UP | 25 | 0.3183 | 1.4899 | 0.0588 | 0.0926 | 1.0000 | 1802 | tags=76%, list=41%, signal=127% |
| LINSLEY_MIR16_TARGETS | LINSLEY_MIR16_TARGETS | 37 | 0.1897 | 1.0269 | 0.3887 | 0.5020 | 1.0000 | 1530 | tags=54%, list=34%, signal=82% |
| LIU_PROSTATE_CANCER_DN | LIU_PROSTATE_CANCER_DN | 170 | 0.2515 | 1.9385 | 0.0000 | 0.0092 | 0.8340 | 1209 | tags=50%, list=27%, signal=66% |
| LIU_PROSTATE_CANCER_UP | LIU_PROSTATE_CANCER_UP | 36 | 0.2698 | 1.4370 | 0.0614 | 0.1167 | 1.0000 | 584 | tags=31%, list=13%, signal=35% |
| LIU_SOX4_TARGETS_DN | LIU_SOX4_TARGETS_DN | 47 | 0.2102 | 1.1977 | 0.2232 | 0.2907 | 1.0000 | 781 | tags=34%, list=18%, signal=41% |

| | | | | | | | | | |
|------------------------------|------------------------------|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| LIU_SOX4_TARGET S_UP | LIU_SOX4_TARGETS_ UP | 36 | 0.3567 | 1.9012 | 0.0073 | 0.0116 | 0.8980 | 515 | tags=39%, list=12%, signal=44% |
| LOPEZ_MBD_TARG ETS | LOPEZ_MBD_TARGE TS | 211 | 0.1660 | 1.3543 | 0.0167 | 0.1620 | 1.0000 | 1488 | tags=47%, list=34%, signal=68% |
| LU_AGING_BRAIN_ DN | LU_AGING_BRAIN_D N | 28 | 0.2706 | 1.3257 | 0.1294 | 0.1811 | 1.0000 | 1117 | tags=46%, list=25%, signal=62% |
| LU_EZH2_TARGET S_DN | LU_EZH2_TARGETS_ DN | 92 | 0.3715 | 2.5181 | 0.0000 | 0.0001 | 0.0070 | 1238 | tags=60%, list=28%, signal=81% |
| LU_EZH2_TARGET S_UP | LU_EZH2_TARGETS_ UP | 51 | 0.1323 | 0.7810 | 0.7789 | 0.8187 | 1.0000 | 515 | tags=18%, list=12%, signal=20% |
| LU_IL4_SIGNALING | LU_IL4_SIGNALING | 16 | 0.2152 | 0.8638 | 0.6399 | 0.7207 | 1.0000 | 1660 | tags=63%, list=37%, signal=100% |
| LU_TUMOR_ANGIO GENESIS_UP | LU_TUMOR_ANGIOG ENESIS_UP | 15 | 0.7128 | 2.7420 | 0.0000 | 0.0000 | 0.0000 | 457 | tags=67%, list=10%, signal=74% |
| LU_TUMOR_VASC ULATURE_UP | LU_TUMOR_VASCUL ATURE_UP | 17 | 0.5961 | 2.4265 | 0.0000 | 0.0002 | 0.0190 | 475 | tags=53%, list=11%, signal=59% |

| | | | | | | | | | |
|---|---|----|--------|--------|--------|--------|--------|------|--|
| LUI_THYROID_CANCER_PAX8_PPARG_DN | LUI_THYROID_CANCER_PAX8_PPARG_DN | 19 | 0.2326 | 0.9793 | 0.4778 | 0.5662 | 1.0000 | 2056 | tags=74%, list=46%, signal=137% |
| LY_AGING_OLD_DN | LY_AGING_OLD_DN | 18 | 0.7142 | 2.9914 | 0.0000 | 0.0000 | 0.0000 | 566 | tags=72%, list=13%, signal=82% |
| MAHAJAN_RESPONSE_TO_IL1A_DN | MAHAJAN_RESPONSE_TO_IL1A_DN | 22 | 0.2306 | 1.0205 | 0.4089 | 0.5121 | 1.0000 | 594 | tags=27%, list=13%, signal=31% |
| MALONEY_RESPONSE_TO_17AAG_DN | MALONEY_RESPONSE_TO_17AAG_DN | 15 | 0.5210 | 2.0169 | 0.0000 | 0.0056 | 0.6550 | 2132 | tags=100%, list=48%, signal=192% |
| MANALO_HYPOXIA_DN | MANALO_HYPOXIA_DN | 66 | 0.3613 | 2.2400 | 0.0000 | 0.0012 | 0.1490 | 1382 | tags=67%, list=31%, signal=95% |
| MANALO_HYPOXIA_UP | MANALO_HYPOXIA_UP | 75 | 0.2438 | 1.5660 | 0.0424 | 0.0658 | 1.0000 | 1185 | tags=44%, list=27%, signal=59% |
| MANNE_COVID19_ICU_VS_HEALTHY_DONOR_PLATELETS_DN | MANNE_COVID19_ICU_VS_HEALTHY_DONOR_PLATELETS_DN | 39 | 0.1723 | 0.9197 | 0.5593 | 0.6426 | 1.0000 | 698 | tags=26%, list=16%, signal=30% |
| MARCHINI TRABECTEDIN_RESISTANCE_DN | MARCHINI TRABECTEDIN_RESISTANCE_DN | 15 | 0.5173 | 1.9858 | 0.0058 | 0.0069 | 0.7340 | 1472 | tags=73%, list=33%, signal=109% |

| | | | | | | | | | |
|--|--|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| MARKEY_RB1_AC UTE_LOF_UP | MARKEY_RB1_ACUT E_LOF_UP | 83 | 0.4699 | 3.1908 | 0.0000 | 0.0000 | 0.0000 | 1349 | tags=71%, list=30%, signal=100% |
| MARKEY_RB1_CHR ONIC_LOF_UP | MARKEY_RB1_CHRO NIC_LOF_UP | 40 | 0.2601 | 1.4332 | 0.0708 | 0.1176 | 1.0000 | 842 | tags=38%, list=19%, signal=46% |
| MARSON_BOUND_ BY_E2F4_UNSTIMU LATED | MARSON_BOUND_B Y_E2F4_UNSTIMULA TED | 159 | 0.4459 | 3.4322 | 0.0000 | 0.0000 | 0.0000 | 1284 | tags=68%, list=29%, signal=92% |
| MARSON_BOUND_ BY_FOXP3_UNSTI MULATED | MARSON_BOUND_B Y_FOXP3_UNSTIMUL ATED | 192 | 0.1300 | 0.9957 | 0.5185 | 0.5436 | 1.0000 | 1267 | tags=39%, list=29%, signal=52% |
| MARSON_FOXP3_T ARGETS_UP | MARSON_FOXP3_TA RGETS_UP | 23 | 0.2930 | 1.2879 | 0.1519 | 0.2117 | 1.0000 | 305 | tags=26%, list=7%, signal=28% |
| MARTENS_BOUND _BY_PML_RARA_F USION | MARTENS_BOUND_B Y_PML_RARA_FUSIO N | 80 | 0.1188 | 0.7904 | 0.8079 | 0.8093 | 1.0000 | 1835 | tags=56%, list=41%, signal=94% |
| MARTENS_TRETIN OIN_RESPONSE_DN | MARTENS_TRETINOI N_RESPONSE_DN | 139 | 0.1752 | 1.3343 | 0.0490 | 0.1750 | 1.0000 | 2046 | tags=65%, list=46%, signal=118% |
| MARTIN_VIRAL_G PCR_SIGNALING_U P | MARTIN_VIRAL_GPC R_SIGNALING_UP | 29 | 0.1886 | 0.9520 | 0.4889 | 0.6023 | 1.0000 | 579 | tags=24%, list=13%, signal=28% |

| | | | | | | | | | |
|--|--|-----|--------|--------|--------|--------|--------|------|--------------------------------------|
| MARTINEZ_RB1_A ND_TP53_TARGETS _DN | MARTINEZ_RB1_AND _TP53_TARGETS_DN | 136 | 0.2470 | 1.8086 | 0.0000 | 0.0201 | 0.9820 | 698 | tags=32%, list=16%, signal=37% |
| MARTINEZ_RB1_T ARGETS_DN | MARTINEZ_RB1_TAR GETS_DN | 149 | 0.2214 | 1.6754 | 0.0000 | 0.0392 | 1.0000 | 811 | tags=32%, list=18%, signal=37% |
| MARTINEZ_RESPO NSE_TO_TRABECT EDIN | MARTINEZ_RESPONS E_TO_TRABECTEDIN | 17 | 0.2996 | 1.2267 | 0.1889 | 0.2633 | 1.0000 | 1561 | tags=65%, list=35%, signal=99% |
| MARTINEZ_RESPO NSE_TO_TRABECT EDIN_DN | MARTINEZ_RESPONS E_TO_TRABECTEDIN _DN | 39 | 0.4404 | 2.3989 | 0.0000 | 0.0003 | 0.0300 | 572 | tags=44%, list=13%, signal=50% |
| MARTINEZ_TP53_T ARGETS_DN | MARTINEZ_TP53_TA RGETS_DN | 140 | 0.2161 | 1.6388 | 0.0000 | 0.0468 | 1.0000 | 698 | tags=30%, list=16%, signal=34% |
| MARTORIATI_MD M4_TARGETS_FET AL_LIVER_DN | MARTORIATI_MDM4 _TARGETS_FETAL_LI VER_DN | 104 | 0.1804 | 1.2659 | 0.0677 | 0.2296 | 1.0000 | 698 | tags=27%, list=16%, signal=31% |
| MARTORIATI_MD M4_TARGETS_FET AL_LIVER_UP | MARTORIATI_MDM4 _TARGETS_FETAL_LI VER_UP | 66 | 0.2880 | 1.8122 | 0.0000 | 0.0196 | 0.9800 | 1285 | tags=50%, list=29%, signal=69% |
| MARTORIATI_MD M4_TARGETS_NEU ROEPITHELIUM_UP | MARTORIATI_MDM4 _TARGETS_NEUROEP ITHELIUM_UP | 54 | 0.3452 | 2.0279 | 0.0000 | 0.0053 | 0.6240 | 926 | tags=41%, list=21%, signal=51% |

| | | | | | | | | | |
|---|---|-----|--------|--------|--------|--------|--------|------|--------------------------------------|
| MARZEC_IL2_SIGN ALING_UP | MARZEC_IL2_SIGNA LING_UP | 25 | 0.3498 | 1.6591 | 0.0284 | 0.0424 | 1.0000 | 888 | tags=52%, list=20%, signal=65% |
| MASSARWEH_RES PONSE_TO_ESTR DIOL | MASSARWEH_RESPO NSE_TO_ESTRADIOL | 20 | 0.2244 | 0.9601 | 0.5168 | 0.5903 | 1.0000 | 123 | tags=15%, list=3%, signal=15% |
| MASSARWEH_TAM OXIFEN_RESISTAN CE_DN | MASSARWEH_TAMO XIFEN_RESISTANCE_ DN | 74 | 0.1358 | 0.8792 | 0.6463 | 0.7027 | 1.0000 | 693 | tags=23%, list=16%, signal=27% |
| MASSARWEH_TAM OXIFEN_RESISTAN CE_UP | MASSARWEH_TAMO XIFEN_RESISTANCE_ UP | 145 | 0.1694 | 1.2351 | 0.1053 | 0.2560 | 1.0000 | 1005 | tags=33%, list=23%, signal=41% |
| MATTIOLI_MGUS_ VS_PCL | MATTIOLI_MGUS_VS _PCL | 20 | 0.3521 | 1.4870 | 0.0602 | 0.0936 | 1.0000 | 1475 | tags=60%, list=33%, signal=89% |
| MATZUK_SPERMA TOZOA | MATZUK_SPERMATO ZOA | 19 | 0.2472 | 1.0306 | 0.4365 | 0.4968 | 1.0000 | 798 | tags=37%, list=18%, signal=45% |
| MCBRYAN_PUBER TAL_BREAST_3_4W K_UP | MCBRYAN_PUBERTA L_BREAST_3_4WK_U P | 77 | 0.2617 | 1.7071 | 0.0064 | 0.0335 | 0.9990 | 1194 | tags=49%, list=27%, signal=66% |
| MCBRYAN_PUBER TAL_BREAST_4_5W K_UP | MCBRYAN_PUBERTA L_BREAST_4_5WK_U P | 95 | 0.3899 | 2.6890 | 0.0000 | 0.0000 | 0.0030 | 1489 | tags=63%, list=34%, signal=93% |

| | | | | | | | | | |
|-----------------------------------|-----------------------------------|----|--------|--------|--------|--------|--------|------|---------------------------------------|
| MCBRYAN_PUBERTAL_BREAST_5_6WK_DN | MCBRYAN_PUBERTAL_BREAST_5_6WK_DN | 31 | 0.1662 | 0.8539 | 0.6724 | 0.7356 | 1.0000 | 1432 | tags=52%, list=32%, signal=76% |
| MCBRYAN_PUBERTAL_BREAST_5_6WK_UP | MCBRYAN_PUBERTAL_BREAST_5_6WK_UP | 38 | 0.2562 | 1.3770 | 0.0996 | 0.1480 | 1.0000 | 579 | tags=29%, list=13%, signal=33% |
| MCBRYAN_PUBERTAL_BREAST_6_7WK_DN | MCBRYAN_PUBERTAL_BREAST_6_7WK_DN | 31 | 0.3746 | 1.8991 | 0.0000 | 0.0117 | 0.8990 | 1695 | tags=74%, list=38%, signal=119% |
| MCBRYAN_PUBERTAL_TGFB1_TARGETS_UP | MCBRYAN_PUBERTAL_TGFB1_TARGETS_UP | 63 | 0.4019 | 2.5182 | 0.0000 | 0.0001 | 0.0070 | 741 | tags=44%, list=17%, signal=53% |
| MCCLUNG_COCAIN_REWARD_4WK | MCCLUNG_COCAIN_REWARD_4WK | 25 | 0.3818 | 1.7814 | 0.0036 | 0.0232 | 0.9960 | 462 | tags=36%, list=10%, signal=40% |
| MCCLUNG_CREB1_TARGETS_UP | MCCLUNG_CREB1_TARGETS_UP | 26 | 0.1712 | 0.8040 | 0.7441 | 0.7944 | 1.0000 | 1522 | tags=50%, list=34%, signal=76% |
| MCCLUNG_DELTA_FOSB_TARGETS_2WK | MCCLUNG_DELTA_FOSB_TARGETS_2WK | 15 | 0.3904 | 1.4990 | 0.0580 | 0.0888 | 1.0000 | 796 | tags=40%, list=18%, signal=49% |
| MCDOWELL_ACUTE_LUNG_INJURY_UP | MCDOWELL_ACUTE_LUNG_INJURY_UP | 19 | 0.3037 | 1.2480 | 0.2024 | 0.2456 | 1.0000 | 767 | tags=42%, list=17%, signal=51% |

| | | | | | | | | | |
|--|--|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| MCLACHLAN_DEN TAL_CARIES_DN | MCLACHLAN_DENT AL_CARIES_DN | 18 | 0.2574 | 1.0885 | 0.3783 | 0.4195 | 1.0000 | 576 | tags=33%, list=13%, signal=38% |
| MCLACHLAN_DEN TAL_CARIES_UP | MCLACHLAN_DENT AL_CARIES_UP | 73 | 0.1949 | 1.2756 | 0.0973 | 0.2212 | 1.0000 | 776 | tags=29%, list=17%, signal=34% |
| MCMURRAY_TP53_ HRAS_COOPERATI ON_RESPONSE_DN | MCMURRAY_TP53_H RAS_COOPERATION_ RESPONSE_DN | 23 | 0.2445 | 1.0957 | 0.3169 | 0.4122 | 1.0000 | 926 | tags=39%, list=21%, signal=49% |
| MEBARKI_HCC_PR OGENITOR_FZD8C RD_UP | MEBARKI_HCC_PRO GENITOR_FZD8CRD_ UP | 189 | 0.5279 | 4.1020 | 0.0000 | 0.0000 | 0.0000 | 1593 | tags=83%, list=36%, signal=123% |
| MEBARKI_HCC_PR OGENITOR_WNT_U P | MEBARKI_HCC_PRO GENITOR_WNT_UP | 72 | 0.4548 | 2.9311 | 0.0000 | 0.0000 | 0.0000 | 1155 | tags=61%, list=26%, signal=81% |
| MEBARKI_HCC_PR OGENITOR_WNT_U P_BLOCKED_BY_F ZD8CRD | MEBARKI_HCC_PRO GENITOR_WNT_UP_B LOCKED_BY_FZD8CR D | 42 | 0.4714 | 2.6473 | 0.0000 | 0.0000 | 0.0030 | 1391 | tags=74%, list=31%, signal=106% |
| MEBARKI_HCC_PR OGENITOR_WNT_U P_CTNNB1_DEPEN DENT | MEBARKI_HCC_PRO GENITOR_WNT_UP_C TNNB1_DEPENDENT | 37 | 0.4475 | 2.3511 | 0.0000 | 0.0004 | 0.0520 | 952 | tags=54%, list=21%, signal=68% |

| | | | | | | | | | |
|--|---|-----|--------|--------|--------|--------|--------|------|--------------------------------------|
| MEBARKI_HCC_PROGENITOR_WNT_UP_CP_CTNNB1_DEPENDENT_BLOCKED_BY_FZD8CRY_FZD8CRD | MEBARKI_HCC_PROGENITOR_WNT_UP_CTNNB1_DEPENDENT_BLOCKED_BY_FZD8CRD | 19 | 0.5135 | 2.2243 | 0.0000 | 0.0013 | 0.1640 | 1124 | tags=68%, list=25%, signal=91% |
| MEISSNER_BRAIN_HCP_WITH_H3K27ME3 | MEISSNER_BRAIN_HCP_WITH_H3K27ME3 | 55 | 0.2519 | 1.5106 | 0.0333 | 0.0842 | 1.0000 | 265 | tags=18%, list=6%, signal=19% |
| MEISSNER_BRAIN_HCP_WITH_H3K4ME2_AND_H3K27ME3 | MEISSNER_BRAIN_HCP_WITH_H3K4ME2_AND_H3K27ME3 | 16 | 0.4886 | 1.9345 | 0.0032 | 0.0095 | 0.8420 | 729 | tags=56%, list=16%, signal=67% |
| MEISSNER_BRAIN_HCP_WITH_H3K4ME3_AND_H3K27ME3 | MEISSNER_BRAIN_HCP_WITH_H3K4ME3_AND_H3K27ME3 | 304 | 0.1807 | 1.5802 | 0.0000 | 0.0615 | 1.0000 | 1060 | tags=36%, list=24%, signal=44% |
| MEISSNER_NPC_HCP_WITH_H3_UNMETHYLATED | MEISSNER_NPC_HCP_WITH_H3_UNMETHYLATED | 123 | 0.1533 | 1.1218 | 0.2348 | 0.3779 | 1.0000 | 729 | tags=24%, list=16%, signal=28% |
| MEISSNER_NPC_HCP_WITH_H3K4ME2_AND_H3K27ME3 | MEISSNER_NPC_HCP_WITH_H3K4ME2_AND_H3K27ME3 | 70 | 0.2185 | 1.3719 | 0.0679 | 0.1512 | 1.0000 | 1742 | tags=54%, list=39%, signal=88% |
| MENSE_HYPOXIA_UP | MENSE_HYPOXIA_UP | 31 | 0.1504 | 0.7467 | 0.8145 | 0.8572 | 1.0000 | 830 | tags=26%, list=19%, signal=32% |

| | | | | | | | | | |
|---|---|-----|--------|--------|--------|--------|--------|------|--|
| MIKKELSEN_ES_IC P_WITH_H3K4ME3_ AND_H3K27ME3 | MIKKELSEN_ES_ICP_ WITH_H3K4ME3_AN D_H3K27ME3 | 29 | 0.2206 | 1.1053 | 0.3123 | 0.4003 | 1.0000 | 665 | tags=28%, list=15%, signal=32% |
| MIKKELSEN_IPS_H CP_WITH_H3_UNM ETHYLATED | MIKKELSEN_IPS_HCP _WITH_H3_UNMETH YLATED | 16 | 0.1994 | 0.7885 | 0.7587 | 0.8100 | 1.0000 | 302 | tags=13%, list=7%, signal=13% |
| MIKKELSEN_IPS_IC P_WITH_H3K4ME3_ AND_H327ME3 | MIKKELSEN_IPS_ICP _WITH_H3K4ME3_AN D_H327ME3 | 30 | 0.1591 | 0.7894 | 0.7955 | 0.8094 | 1.0000 | 3735 | tags=100%, list=84%, signal=628% |
| MIKKELSEN_NPC_ HCP_WITH_H3K27 ME3 | MIKKELSEN_NPC_HC P_WITH_H3K27ME3 | 57 | 0.1812 | 1.0969 | 0.3220 | 0.4107 | 1.0000 | 856 | tags=26%, list=19%, signal=32% |
| MIKKELSEN_NPC_ HCP_WITH_H3K4M E3_AND_H3K27ME3 | MIKKELSEN_NPC_HC P_WITH_H3K4ME3_A ND_H3K27ME3 | 59 | 0.1520 | 0.9326 | 0.5396 | 0.6283 | 1.0000 | 1819 | tags=61%, list=41%, signal=102% |
| MIKKELSEN_NPC_I CP_WITH_H3K4ME 3 | MIKKELSEN_NPC_IC P_WITH_H3K4ME3 | 101 | 0.1506 | 1.0440 | 0.3889 | 0.4781 | 1.0000 | 537 | tags=21%, list=12%, signal=23% |
| MILI_PSEUDOPODI A_CHEMOTAXIS_D N | MILI_PSEUDOPODIA_ CHEMOTAXIS_DN | 107 | 0.2273 | 1.6247 | 0.0074 | 0.0501 | 1.0000 | 1530 | tags=55%, list=34%, signal=82% |
| MILI_PSEUDOPODI A_HAPTOTAXIS_D N | MILI_PSEUDOPODIA_ HAPTOTAXIS_DN | 147 | 0.3070 | 2.3132 | 0.0000 | 0.0007 | 0.0770 | 1517 | tags=61%, list=34%, signal=89% |

| | | | | | | | | | |
|--|--|----|--------|--------|--------|--------|--------|------|---------------------------------------|
| MILI_PSEUDOPODIA_HAPTOTAXIS_UP | MILI_PSEUDOPODIA_HAPTOTAXIS_UP | 69 | 0.3423 | 2.1428 | 0.0000 | 0.0026 | 0.3220 | 1026 | tags=49%, list=23%, signal=63% |
| MISSIAGLIA_REGULATED_BY_METHYLATION_DN | MISSIAGLIA_REGULATED_BY_METHYLATION_DN | 40 | 0.5703 | 3.0407 | 0.0000 | 0.0000 | 0.0000 | 775 | tags=63%, list=17%, signal=75% |
| MISSIAGLIA_REGULATED_BY_METHYLATION_UP | MISSIAGLIA_REGULATED_BY_METHYLATION_UP | 28 | 0.3484 | 1.7254 | 0.0195 | 0.0308 | 0.9990 | 134 | tags=21%, list=3%, signal=22% |
| MITSIADES_RESPONSE_TO_APLIDIN_DN | MITSIADES_RESPONSE_TO_APLIDIN_DN | 66 | 0.4731 | 2.9704 | 0.0000 | 0.0000 | 0.0000 | 1094 | tags=62%, list=25%, signal=81% |
| MIYAGAWA_TARGETS_OF_EWSR1_ETS_FUSIONS_DN | MIYAGAWA_TARGETS_OF_EWSR1_ETS_FUSIONS_DN | 69 | 0.3155 | 2.0130 | 0.0000 | 0.0058 | 0.6750 | 1204 | tags=49%, list=27%, signal=67% |
| MIYAGAWA_TARGETS_OF_EWSR1_ETS_FUSIONS_UP | MIYAGAWA_TARGETS_OF_EWSR1_ETS_FUSIONS_UP | 65 | 0.1995 | 1.2362 | 0.1397 | 0.2549 | 1.0000 | 952 | tags=38%, list=21%, signal=48% |
| MODY_HIPPOCAMPUS_POSTNATAL | MODY_HIPPOCAMPUS_POSTNATAL | 17 | 0.1579 | 0.6678 | 0.9032 | 0.9227 | 1.0000 | 1587 | tags=47%, list=36%, signal=73% |
| MODY_HIPPOCAMPUS_PRENATAL | MODY_HIPPOCAMPUS_PRENATAL | 17 | 0.4264 | 1.7017 | 0.0155 | 0.0344 | 1.0000 | 2108 | tags=94%, list=48%, signal=179% |

| | | | | | | | | | |
|---|---|----|--------|--------|--------|--------|--------|------|--------------------------------------|
| MOHANKUMAR_H OXA1_TARGETS_D N | MOHANKUMAR_HOX A1_TARGETS_DN | 50 | 0.2250 | 1.2646 | 0.1560 | 0.2308 | 1.0000 | 792 | tags=32%, list=18%, signal=39% |
| MOHANKUMAR_H OXA1_TARGETS_U P | MOHANKUMAR_HOX A1_TARGETS_UP | 85 | 0.2105 | 1.4243 | 0.0541 | 0.1223 | 1.0000 | 1390 | tags=49%, list=31%, signal=71% |
| MOLENAAR_TARG ETS_OF_CCND1_A ND_CDK4_DN | MOLENAAR_TARGET S_OF_CCND1_AND_C DK4_DN | 18 | 0.7245 | 3.0901 | 0.0000 | 0.0000 | 0.0000 | 372 | tags=67%, list=8%, signal=72% |
| MONNIER_POSTRA DIATION_TUMOR_ ESCAPE_DN | MONNIER_POSTRADI ATION_TUMOR_ESC APE_DN | 86 | 0.1043 | 0.6916 | 0.9610 | 0.9054 | 1.0000 | 1285 | tags=35%, list=29%, signal=48% |
| MONNIER_POSTRA DIATION_TUMOR_ ESCAPE_UP | MONNIER_POSTRADI ATION_TUMOR_ESC APE_UP | 62 | 0.2412 | 1.5227 | 0.0230 | 0.0799 | 1.0000 | 1429 | tags=55%, list=32%, signal=80% |
| MOOTHA_PGC | MOOTHA_PGC | 94 | 0.1550 | 1.0573 | 0.3333 | 0.4616 | 1.0000 | 935 | tags=32%, list=21%, signal=40% |
| MOREAUX_MULT IPLE_MYELOMA_B Y_TACI_DN | MOREAUX_MULTIP LE_MYELOMA_BY_TA CI_DN | 21 | 0.2771 | 1.2034 | 0.2027 | 0.2871 | 1.0000 | 1475 | tags=62%, list=33%, signal=92% |
| MORI_IMMATURE_ B_LYMPHOCYTE_D N | MORI_IMMATURE_B _LYMPHOCYTE_DN | 52 | 0.4866 | 2.8504 | 0.0000 | 0.0000 | 0.0000 | 1165 | tags=71%, list=26%, signal=95% |

| | | | | | | | | | |
|--|--------------------------------------|----|--------|--------|--------|--------|--------|------|---------------------------------------|
| MORI_LARGE_PRE _BII_LYMPHOCYTE _UP | MORI_LARGE_PRE_B II_LYMPHOCYTE_UP | 39 | 0.5445 | 3.0699 | 0.0000 | 0.0000 | 0.0000 | 1349 | tags=77%, list=30%, signal=110% |
| MORI_MATURE_B_ LYMPHOCYTE_DN | MORI_MATURE_B_L YMPHOCYTE_DN | 31 | 0.3013 | 1.5393 | 0.0429 | 0.0746 | 1.0000 | 836 | tags=45%, list=19%, signal=55% |
| MORI_PRE_BI_LYM PHOCYTE_UP | MORI_PRE_BI_LYMP HOCYTE_UP | 36 | 0.5391 | 2.8175 | 0.0000 | 0.0000 | 0.0000 | 1550 | tags=86%, list=35%, signal=131% |
| MORI_SMALL_PRE _BII_LYMPHOCYTE _DN | MORI_SMALL_PRE_B II_LYMPHOCYTE_DN | 23 | 0.2069 | 0.9283 | 0.5397 | 0.6338 | 1.0000 | 829 | tags=39%, list=19%, signal=48% |
| MORI_SMALL_PRE _BII_LYMPHOCYTE _UP | MORI_SMALL_PRE_B II_LYMPHOCYTE_UP | 18 | 0.1729 | 0.7088 | 0.8297 | 0.8922 | 1.0000 | 976 | tags=33%, list=22%, signal=43% |
| MUELLER_PLURIN ET | MUELLER_PLURINET | 66 | 0.3966 | 2.4349 | 0.0000 | 0.0002 | 0.0170 | 1243 | tags=61%, list=28%, signal=83% |
| MULLIGHAN_MLL_ SIGNATURE_1_DN | MULLIGHAN_MLL_SI GNATURE_1_DN | 72 | 0.1519 | 0.9855 | 0.5309 | 0.5584 | 1.0000 | 1301 | tags=43%, list=29%, signal=60% |
| MULLIGHAN_MLL_ SIGNATURE_2_DN | MULLIGHAN_MLL_SI GNATURE_2_DN | 87 | 0.2091 | 1.4710 | 0.0325 | 0.1007 | 1.0000 | 1301 | tags=49%, list=29%, signal=69% |

| | | | | | | | | | |
|---------------------------------------|---------------------------------------|-----|--------|--------|--------|--------|--------|------|--|
| MULLIGHAN_NPM1_MUTATED_SIGNATURE_2_DN | MULLIGHAN_NPM1_MUTATED_SIGNATURE_2_DN | 15 | 0.1588 | 0.6151 | 0.9204 | 0.9523 | 1.0000 | 3734 | tags=100%, list=84%, signal=629% |
| MULLIGHAN_NPM1_SIGNATURE_3_UP | MULLIGHAN_NPM1_SIGNATURE_3_UP | 54 | 0.1764 | 1.0562 | 0.3582 | 0.4626 | 1.0000 | 475 | tags=22%, list=11%, signal=25% |
| NABA_BASEMENT_MEMBRANES | NABA_BASEMENT_MEMBRANES | 16 | 0.6020 | 2.4209 | 0.0000 | 0.0002 | 0.0210 | 1103 | tags=81%, list=25%, signal=108% |
| NABA_COLLAGENS | NABA_COLLAGENS | 20 | 0.6998 | 2.9549 | 0.0000 | 0.0000 | 0.0000 | 588 | tags=70%, list=13%, signal=80% |
| NABA_CORE_MATRISOME | NABA_CORE_MATRISOME | 109 | 0.3486 | 2.4315 | 0.0000 | 0.0002 | 0.0170 | 613 | tags=36%, list=14%, signal=40% |
| NABA_ECM_GLYCOPROTEINS | NABA_ECM_GLYCOPROTEINS | 75 | 0.2508 | 1.6293 | 0.0059 | 0.0491 | 1.0000 | 384 | tags=23%, list=9%, signal=24% |
| NADERI_BREAST_CANCER_PROGNOSIS_UP | NADERI_BREAST_CANCER_PROGNOSIS_UP | 21 | 0.6193 | 2.7868 | 0.0000 | 0.0000 | 0.0000 | 1070 | tags=76%, list=24%, signal=100% |
| NADLER_OBESITY_UP | NADLER_OBESITY_UP | 24 | 0.4120 | 1.9185 | 0.0035 | 0.0104 | 0.8650 | 673 | tags=46%, list=15%, signal=54% |

| | | | | | | | | | |
|--|--|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| NAGASHIMA_NRG1_SIGNALING_UP | NAGASHIMA_NRG1_SIGNALING_UP | 39 | 0.2699 | 1.4865 | 0.0514 | 0.0938 | 1.0000 | 1508 | tags=54%, list=34%, signal=81% |
| NAKAMURA_ADIPOGENESIS_LATE_DN | NAKAMURA_ADIPOGENESIS_LATE_DN | 15 | 0.5076 | 2.0264 | 0.0000 | 0.0053 | 0.6300 | 1292 | tags=80%, list=29%, signal=112% |
| NAKAMURA_ADIPOGENESIS_LATE_UP | NAKAMURA_ADIPOGENESIS_LATE_UP | 23 | 0.2071 | 0.9426 | 0.5263 | 0.6151 | 1.0000 | 238 | tags=17%, list=5%, signal=18% |
| NAKAMURA_TUMOR_ZONE_PERIPHERAL_VS_CENTRAL_DN | NAKAMURA_TUMOR_ZONE_PERIPHERAL_VS_CENTRAL_DN | 159 | 0.1542 | 1.1766 | 0.1279 | 0.3119 | 1.0000 | 835 | tags=28%, list=19%, signal=33% |
| NAKAMURA_TUMOR_ZONE_PERIPHERAL_VS_CENTRAL_UP | NAKAMURA_TUMOR_ZONE_PERIPHERAL_VS_CENTRAL_UP | 91 | 0.4308 | 2.9758 | 0.0000 | 0.0000 | 0.0000 | 1667 | tags=76%, list=38%, signal=119% |
| NAKAYAMA_SOFT_TISSUE_TUMORS_PCA1_UP | NAKAYAMA_SOFT_TISSUE_TUMORS_PCA1_UP | 29 | 0.2775 | 1.3760 | 0.0757 | 0.1487 | 1.0000 | 448 | tags=24%, list=10%, signal=27% |
| NAKAYAMA_SOFT_TISSUE_TUMORS_PCA2_UP | NAKAYAMA_SOFT_TISSUE_TUMORS_PCA2_UP | 46 | 0.6305 | 3.6027 | 0.0000 | 0.0000 | 0.0000 | 1053 | tags=76%, list=24%, signal=99% |

| | | | | | | | | | |
|---|---|----|--------|--------|--------|--------|--------|------|---------------------------------------|
| NATSUME_RESPON SE_TO_INTERFERO N_BETA_DN | NATSUME_RESPONS E_TO_INTERFERON_ BETA_DN | 16 | 0.3610 | 1.4360 | 0.0833 | 0.1170 | 1.0000 | 1273 | tags=56%, list=29%, signal=79% |
| NGUYEN_NOTCH1_ TARGETS_DN | NGUYEN_NOTCH1_T ARGETS_DN | 29 | 0.2548 | 1.2528 | 0.1725 | 0.2408 | 1.0000 | 1269 | tags=52%, list=29%, signal=72% |
| NIKOLSKY_BREAS T_CANCER_17Q11_ Q21_AMPLICON | NIKOLSKY_BREAST_ CANCER_17Q11_Q21_ AMPLICON | 18 | 0.1739 | 0.7305 | 0.8339 | 0.8718 | 1.0000 | 354 | tags=17%, list=8%, signal=18% |
| NIKOLSKY_BREAS T_CANCER_17Q21_ Q25_AMPLICON | NIKOLSKY_BREAST_ CANCER_17Q21_Q25_ AMPLICON | 65 | 0.2010 | 1.2362 | 0.1762 | 0.2551 | 1.0000 | 263 | tags=15%, list=6%, signal=16% |
| NIKOLSKY_BREAS T_CANCER_8Q12_Q 22_AMPLICON | NIKOLSKY_BREAST_ CANCER_8Q12_Q22_ AMPLICON | 33 | 0.3940 | 2.0023 | 0.0040 | 0.0062 | 0.6990 | 2116 | tags=85%, list=48%, signal=161% |
| NIKOLSKY_BREAS T_CANCER_8Q23_Q 24_AMPLICON | NIKOLSKY_BREAST_ CANCER_8Q23_Q24_ AMPLICON | 34 | 0.2721 | 1.4108 | 0.0606 | 0.1299 | 1.0000 | 1718 | tags=62%, list=39%, signal=100% |
| NOUSHMEHR_GBM _SILENCED_BY_ME THYLATION | NOUSHMEHR_GBM_S ILENCED_BY_METH YLATION | 22 | 0.3052 | 1.3637 | 0.1115 | 0.1559 | 1.0000 | 647 | tags=32%, list=15%, signal=37% |
| NOUZOVA_TRETIN OIN_AND_H4_ACE TYLATION | NOUZOVA_TRETINOI N_AND_H4_ACETYL ATION | 15 | 0.5681 | 2.2210 | 0.0000 | 0.0014 | 0.1670 | 1090 | tags=73%, list=25%, signal=97% |

| | | | | | | | | | |
|-------------------------------------|-------------------------------------|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| NUTT_GBM_VS_AO_GLIOMA_UP | NUTT_GBM_VS_AO_GLIOMA_UP | 16 | 0.5089 | 1.9776 | 0.0029 | 0.0072 | 0.7570 | 844 | tags=56%, list=19%, signal=69% |
| NUYTEN_EZH2_TARGETS_DN | NUYTEN_EZH2_TARGETS_DN | 265 | 0.3448 | 2.8706 | 0.0000 | 0.0000 | 0.0000 | 1484 | tags=64%, list=33%, signal=91% |
| NUYTEN_EZH2_TARGETS_UP | NUYTEN_EZH2_TARGETS_UP | 233 | 0.2797 | 2.3298 | 0.0000 | 0.0005 | 0.0630 | 1241 | tags=48%, list=28%, signal=63% |
| NUYTEN_NIPP1_TARGETS_DN | NUYTEN_NIPP1_TARGETS_DN | 202 | 0.2924 | 2.3665 | 0.0000 | 0.0004 | 0.0450 | 1470 | tags=58%, list=33%, signal=83% |
| NUYTEN_NIPP1_TARGETS_UP | NUYTEN_NIPP1_TARGETS_UP | 140 | 0.1399 | 1.0586 | 0.3894 | 0.4610 | 1.0000 | 1113 | tags=35%, list=25%, signal=45% |
| ODONNELL_TARGETS_OF_MYC_AND_TFRC_DN | ODONNELL_TARGETS_OF_MYC_AND_TFRC_DN | 21 | 0.6371 | 2.8288 | 0.0000 | 0.0000 | 0.0000 | 1123 | tags=81%, list=25%, signal=108% |
| ODONNELL_TFRC_TARGETS_DN | ODONNELL_TFRC_TARGETS_DN | 59 | 0.4720 | 2.8962 | 0.0000 | 0.0000 | 0.0000 | 1123 | tags=66%, list=25%, signal=87% |
| OISHI_CHOLANGIOMA_STEM_CELL_LIKE_UP | OISHI_CHOLANGIOMA_STEM_CELL_LIKE_UP | 50 | 0.3841 | 2.2320 | 0.0000 | 0.0013 | 0.1570 | 1689 | tags=72%, list=38%, signal=115% |

| | | | | | | | | | |
|-----------------------------------|-----------------------------------|-----|--------|--------|--------|--------|--------|------|--------------------------------------|
| OKUMURA_INFLAMMATORY_RESPONSE_LPS | OKUMURA_INFLAMMATORY_RESPONSE_LPS | 43 | 0.3008 | 1.7070 | 0.0078 | 0.0334 | 0.9990 | 1194 | tags=53%, list=27%, signal=72% |
| OLSSON_E2F3_TARGETS_DN | OLSSON_E2F3_TARGETS_DN | 18 | 0.3999 | 1.6617 | 0.0244 | 0.0418 | 1.0000 | 1209 | tags=61%, list=27%, signal=84% |
| ONDER_CDH1_SIGNALLING_VIA_CTNNB1 | ONDER_CDH1_SIGNALLING_VIA_CTNNB1 | 43 | 0.3955 | 2.2102 | 0.0039 | 0.0015 | 0.1860 | 1223 | tags=60%, list=28%, signal=83% |
| ONDER_CDH1_TARGETS_1_DN | ONDER_CDH1_TARGETS_1_DN | 32 | 0.2565 | 1.3448 | 0.1126 | 0.1684 | 1.0000 | 1382 | tags=53%, list=31%, signal=77% |
| ONDER_CDH1_TARGETS_2_DN | ONDER_CDH1_TARGETS_2_DN | 147 | 0.2858 | 2.1201 | 0.0000 | 0.0030 | 0.3780 | 917 | tags=37%, list=21%, signal=46% |
| ONDER_CDH1_TARGETS_2_UP | ONDER_CDH1_TARGETS_2_UP | 103 | 0.2853 | 2.0289 | 0.0000 | 0.0053 | 0.6210 | 1223 | tags=50%, list=28%, signal=68% |
| ONKEN_UVEAL_MELANOMA_UP | ONKEN_UVEAL_MELANOMA_UP | 174 | 0.3299 | 2.5442 | 0.0000 | 0.0001 | 0.0070 | 1091 | tags=49%, list=25%, signal=62% |
| OSADA_ASCL1_TARGETS_UP | OSADA_ASCL1_TARGETS_UP | 18 | 0.2144 | 0.8696 | 0.6320 | 0.7148 | 1.0000 | 1627 | tags=56%, list=37%, signal=87% |

| | | | | | | | | | |
|--|--|----|--------|--------|--------|--------|--------|------|--|
| OSMAN_BLADDER _CANCER_DN | OSMAN_BLADDER_C ANCER_DN | 62 | 0.2284 | 1.4068 | 0.0717 | 0.1318 | 1.0000 | 2136 | tags=74%, list=48%, signal=141% |
| OSMAN_BLADDER _CANCER_UP | OSMAN_BLADDER_C ANCER_UP | 41 | 0.2969 | 1.6414 | 0.0120 | 0.0464 | 1.0000 | 1371 | tags=59%, list=31%, signal=84% |
| OSWALD_HEMATO POIETIC_STEM_CE LL_IN_COLLAGEN_ GEL_UP | OSWALD_HEMATOP OIETIC_STEM_CELL_ IN_COLLAGEN_GEL_ UP | 44 | 0.1356 | 0.7625 | 0.7875 | 0.8395 | 1.0000 | 1066 | tags=34%, list=24%, signal=44% |
| OUELLET_CULTUR ED_OVARIAN_CAN CER_INVASIVE_VS _LMP_UP | OUELLET_CULTURE D_OVARIAN_CANCE R_INVASIVE_VS_LM P_UP | 22 | 0.2680 | 1.2174 | 0.2000 | 0.2735 | 1.0000 | 292 | tags=23%, list=7%, signal=24% |
| OUELLET_OVARIA N_CANCER_INVASI VE_VS_LMP_UP | OUELLET_OVARIAN_ CANCER_INVASIVE_ VS_LMP_UP | 29 | 0.5161 | 2.5514 | 0.0000 | 0.0001 | 0.0070 | 1235 | tags=69%, list=28%, signal=95% |
| PAL_PRMT5_TARG ETS_UP | PAL_PRMT5_TARGET S_UP | 50 | 0.3436 | 2.0075 | 0.0000 | 0.0061 | 0.6920 | 1212 | tags=58%, list=27%, signal=79% |
| PAPASPYRIDONOS _UNSTABLE_ATER OSCLEROTIC_PLA QUE_DN | PAPASPYRIDONOS_U NSTABLE_ATEROSCL EROTIC_PLAQUE_DN | 17 | 0.5740 | 2.3067 | 0.0029 | 0.0007 | 0.0840 | 1899 | tags=100%, list=43%, signal=174% |

| | | | | | | | | | |
|--|--|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| PASINI_SUZ12_TAR GETS_DN | PASINI_SUZ12_TARG ETS_DN | 125 | 0.4654 | 3.4593 | 0.0000 | 0.0000 | 0.0000 | 1209 | tags=63%, list=27%, signal=84% |
| PASQUALUCCI_LY MPHOMA_BY_GC_ STAGE_DN | PASQUALUCCI_LYM PHOMA_BY_GC_STA GE_DN | 33 | 0.2515 | 1.2865 | 0.1535 | 0.2126 | 1.0000 | 1592 | tags=61%, list=36%, signal=94% |
| PASQUALUCCI_LY MPHOMA_BY_GC_ STAGE_UP | PASQUALUCCI_LYM PHOMA_BY_GC_STA GE_UP | 85 | 0.1639 | 1.0813 | 0.3313 | 0.4296 | 1.0000 | 1159 | tags=36%, list=26%, signal=48% |
| PATIL_LIVER_CAN CER | PATIL_LIVER_CANCE R | 197 | 0.5503 | 4.4516 | 0.0000 | 0.0000 | 0.0000 | 1349 | tags=76%, list=30%, signal=104% |
| PEART_HDAC_PRO LIFERATION_CLUS TER_DN | PEART_HDAC_PROLI FERATION_CLUSTER _DN | 16 | 0.4759 | 1.8797 | 0.0151 | 0.0133 | 0.9250 | 1382 | tags=81%, list=31%, signal=118% |
| PECE_MAMMARY_ STEM_CELL_DN | PECE_MAMMARY_ST EM_CELL_DN | 29 | 0.4231 | 2.0774 | 0.0033 | 0.0039 | 0.4870 | 1688 | tags=72%, list=38%, signal=116% |
| PECE_MAMMARY_ STEM_CELL_UP | PECE_MAMMARY_ST EM_CELL_UP | 48 | 0.2087 | 1.1835 | 0.2133 | 0.3049 | 1.0000 | 2174 | tags=77%, list=49%, signal=150% |
| PEDERSEN_METAS TASIS_BY_ERBB2_I SOFORM_4 | PEDERSEN_METAST ASIS_BY_ERBB2_ISO FORM_4 | 43 | 0.2382 | 1.3211 | 0.1083 | 0.1850 | 1.0000 | 1117 | tags=44%, list=25%, signal=58% |

| | | | | | | | | | |
|---|---|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| PEDERSEN_METAS TASIS_BY_ERBB2_I SOFORM_7 | PEDERSEN_METAST ASIS_BY_ERBB2_ISO FORM_7 | 109 | 0.2853 | 2.0776 | 0.0000 | 0.0039 | 0.4870 | 1114 | tags=49%, list=25%, signal=63% |
| PEDERSEN_TARGE TS_OF_611CTF_ISO FORM_OF_ERBB2 | PEDERSEN_TARGETS _OF_611CTF_ISOFOR M_OF_ERBB2 | 27 | 0.3375 | 1.6696 | 0.0200 | 0.0403 | 1.0000 | 1496 | tags=67%, list=34%, signal=100% |
| PEREZ_TP53_AND_ TP63_TARGETS | PEREZ_TP53_AND_TP 63_TARGETS | 48 | 0.1626 | 0.9223 | 0.5780 | 0.6403 | 1.0000 | 726 | tags=27%, list=16%, signal=32% |
| PETRETTO_CARDI AC_HYPERTROPHY | PETRETTO_CARDIAC _HYPERTROPHY | 20 | 0.4094 | 1.7513 | 0.0030 | 0.0270 | 0.9970 | 1172 | tags=65%, list=26%, signal=88% |
| PETROVA_ENDOTH ELIUM_LYMPHATI C_VS_BLOOD_DN | PETROVA_ENDOTHE LIUM_LYMPHATIC_V S_BLOOD_DN | 65 | 0.3599 | 2.2712 | 0.0000 | 0.0010 | 0.1160 | 1698 | tags=71%, list=38%, signal=113% |
| PETROVA_ENDOTH ELIUM_LYMPHATI C_VS_BLOOD_UP | PETROVA_ENDOTHE LIUM_LYMPHATIC_V S_BLOOD_UP | 61 | 0.3419 | 2.1128 | 0.0000 | 0.0031 | 0.3970 | 637 | tags=39%, list=14%, signal=45% |
| PETROVA_PROX1_ TARGETS_DN | PETROVA_PROX1_TA RGETS_DN | 17 | 0.5625 | 2.3038 | 0.0000 | 0.0007 | 0.0860 | 1113 | tags=71%, list=25%, signal=94% |
| PHONG_TNF_RESP ONSE_NOT_VIA_P3 8 | PHONG_TNF_RESPON SE_NOT_VIA_P38 | 81 | 0.3376 | 2.2513 | 0.0000 | 0.0011 | 0.1330 | 1017 | tags=48%, list=23%, signal=61% |

| | | | | | | | | | |
|--|--|----|--------|--------|--------|--------|--------|------|---------------------------------------|
| PHONG_TNF_RESP ONSE_VIA_P38_CO MPLETE | PHONG_TNF_RESPON SE_VIA_P38_COMPLE TE | 54 | 0.2988 | 1.7803 | 0.0000 | 0.0233 | 0.9960 | 1646 | tags=69%, list=37%, signal=108% |
| PHONG_TNF_RESP ONSE_VIA_P38_PA RTIAL | PHONG_TNF_RESPON SE_VIA_P38_PARTIA L | 38 | 0.2483 | 1.3175 | 0.1216 | 0.1879 | 1.0000 | 818 | tags=34%, list=18%, signal=42% |
| PHONG_TNF_TARG ETS_UP | PHONG_TNF_TARGE TS_UP | 15 | 0.2266 | 0.8715 | 0.6418 | 0.7135 | 1.0000 | 1388 | tags=47%, list=31%, signal=68% |
| PICCALUGA_ANGI OIMMUNOBLASTIC _LYMPHOMA_UP | PICCALUGA_ANGIOI MMUNOBLASTIC_LY MPHOMA_UP | 91 | 0.2620 | 1.7775 | 0.0000 | 0.0235 | 0.9960 | 1103 | tags=44%, list=25%, signal=57% |
| PID_A6B1_A6B4_IN TEGRIN_PATHWAY | PID_A6B1_A6B4_INTE GRIN_PATHWAY | 16 | 0.5418 | 2.1201 | 0.0033 | 0.0030 | 0.3770 | 1477 | tags=81%, list=33%, signal=121% |
| PID_ARF6_TRAFFIC KING_PATHWAY | PID_ARF6_TRAFFICK ING_PATHWAY | 17 | 0.4314 | 1.7717 | 0.0092 | 0.0242 | 0.9960 | 1313 | tags=71%, list=30%, signal=100% |
| PID_AURORA_B_P ATHWAY | PID_AURORA_B_PAT HWAY | 19 | 0.6106 | 2.6234 | 0.0000 | 0.0001 | 0.0040 | 1027 | tags=74%, list=23%, signal=95% |
| PID_AVB3_INTEGRI N_PATHWAY | PID_AVB3_INTEGRIN _PATHWAY | 28 | 0.6179 | 3.0390 | 0.0000 | 0.0000 | 0.0000 | 613 | tags=64%, list=14%, signal=74% |

| | | | | | | | | | |
|--------------------------------|------------------------------|----|--------|--------|--------|--------|--------|------|---------------------------------------|
| PID_BETA_CATENIN_N_NUC_PATHWAY | PID_BETA_CATENIN_NUC_PATHWAY | 17 | 0.3353 | 1.3287 | 0.1173 | 0.1788 | 1.0000 | 1646 | tags=71%, list=37%, signal=112% |
| PID_CDC42_PATHWAY | PID_CDC42_PATHWAY | 15 | 0.4567 | 1.7275 | 0.0345 | 0.0303 | 0.9990 | 1882 | tags=87%, list=42%, signal=150% |
| PID_CMYB_PATHWAY | PID_CMYB_PATHWAY | 20 | 0.2327 | 1.0030 | 0.4551 | 0.5345 | 1.0000 | 1006 | tags=40%, list=23%, signal=51% |
| PID_CXCR4_PATHWAY | PID_CXCR4_PATHWAY | 21 | 0.2824 | 1.2385 | 0.1898 | 0.2535 | 1.0000 | 320 | tags=24%, list=7%, signal=26% |
| PID_DELTA_NP63_PATHWAY | PID_DELTA_NP63_PATHWAY | 16 | 0.3812 | 1.5088 | 0.0665 | 0.0849 | 1.0000 | 1625 | tags=75%, list=37%, signal=118% |
| PID_E2F_PATHWAY | PID_E2F_PATHWAY | 27 | 0.2601 | 1.2753 | 0.1731 | 0.2213 | 1.0000 | 1125 | tags=48%, list=25%, signal=64% |
| PID_ERBB1_DOWNSTREAM_PATHWAY | PID_ERBB1_DOWNSTREAM_PATHWAY | 19 | 0.3566 | 1.5188 | 0.0633 | 0.0811 | 1.0000 | 1760 | tags=74%, list=40%, signal=122% |
| PID_FAK_PATHWAY | PID_FAK_PATHWAY | 16 | 0.4607 | 1.8171 | 0.0089 | 0.0192 | 0.9800 | 1080 | tags=63%, list=24%, signal=82% |

| | | | | | | | | | |
|----------------------------|----------------------------|----|--------|--------|--------|--------|--------|------|---------------------------------------|
| PID_INTEGRIN1_PATHWAY | PID_INTEGRIN1_PATHWAY | 37 | 0.5600 | 2.9949 | 0.0000 | 0.0000 | 0.0000 | 1158 | tags=76%, list=26%, signal=102% |
| PID_INTEGRIN3_PATHWAY | PID_INTEGRIN3_PATHWAY | 27 | 0.4677 | 2.2448 | 0.0000 | 0.0012 | 0.1420 | 1143 | tags=67%, list=26%, signal=89% |
| PID_MYC_ACTIVATION_PATHWAY | PID_MYC_ACTIVATION_PATHWAY | 21 | 0.3238 | 1.4343 | 0.0839 | 0.1173 | 1.0000 | 1945 | tags=86%, list=44%, signal=152% |
| PID_MYC_REPRESSOR_PATHWAY | PID_MYC_REPRESSOR_PATHWAY | 17 | 0.2974 | 1.2311 | 0.1832 | 0.2591 | 1.0000 | 1054 | tags=41%, list=24%, signal=54% |
| PID_P53_DOWNSTREAM_PATHWAY | PID_P53_DOWNSTREAM_PATHWAY | 31 | 0.3859 | 1.8926 | 0.0000 | 0.0122 | 0.9080 | 1405 | tags=61%, list=32%, signal=89% |
| PID_P73PATHWAY | PID_P73PATHWAY | 20 | 0.4683 | 1.9798 | 0.0000 | 0.0071 | 0.7500 | 673 | tags=60%, list=15%, signal=70% |
| PID_PDGFRECEPTOR_PATHWAY | PID_PDGFRECEPTOR_PATHWAY | 27 | 0.4196 | 2.0476 | 0.0000 | 0.0046 | 0.5680 | 1760 | tags=78%, list=40%, signal=128% |
| PID_SYNDICAN1_PATHWAY | PID_SYNDICAN1_PATHWAY | 20 | 0.6968 | 3.0461 | 0.0000 | 0.0000 | 0.0000 | 588 | tags=70%, list=13%, signal=80% |

| | | | | | | | | | |
|---|---|----|--------|--------|--------|--------|--------|------|--|
| PID_TAP63_PATHWAY | PID_TAP63_PATHWAY | 17 | 0.4623 | 1.8589 | 0.0063 | 0.0149 | 0.9490 | 660 | tags=47%, list=15%, signal=55% |
| PID_UPA_UPAR_PATHWAY | PID_UPA_UPAR_PATHWAY | 19 | 0.2677 | 1.1678 | 0.2286 | 0.3224 | 1.0000 | 320 | tags=26%, list=7%, signal=28% |
| PID_VEGFR1_2_PATHWAY | PID_VEGFR1_2_PATHWAY | 18 | 0.2643 | 1.0922 | 0.3483 | 0.4166 | 1.0000 | 477 | tags=33%, list=11%, signal=37% |
| PLASARI_TGFB1_TARGETS_10HR_DN | PLASARI_TGFB1_TARGETS_10HR_DN | 94 | 0.1976 | 1.3677 | 0.0966 | 0.1537 | 1.0000 | 628 | tags=27%, list=14%, signal=30% |
| PODAR_RESPONSE_TO_ADAPHOSTIN_UP | PODAR_RESPONSE_TO_ADAPHOSTIN_UP | 30 | 0.3639 | 1.7997 | 0.0104 | 0.0211 | 0.9870 | 1031 | tags=50%, list=23%, signal=65% |
| POMEROY_MEDULLOBLASTOMA_DESMOPLASIC_VS_CLASSIC_DN | POMEROY_MEDULLOBLASTOMA_DESMOPLASIC_VS_CLASSIC_DN | 27 | 0.5025 | 2.4713 | 0.0000 | 0.0001 | 0.0100 | 378 | tags=33%, list=9%, signal=36% |
| POMEROY_MEDULLOBLASTOMA_PROGNOSIS_DN | POMEROY_MEDULLOBLASTOMA_PROGNOSIS_DN | 17 | 0.5204 | 2.0895 | 0.0000 | 0.0036 | 0.4580 | 2136 | tags=100%, list=48%, signal=192% |
| POOLA_INVASIVE_BREAST_CANCER_UP | POOLA_INVASIVE_BREAST_CANCER_UP | 88 | 0.4807 | 3.1780 | 0.0000 | 0.0000 | 0.0000 | 519 | tags=43%, list=12%, signal=48% |

| | | | | | | | | | |
|---|---|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| PRAMOONJAGO_S OX4_TARGETS_UP | PRAMOONJAGO_SOX 4_TARGETS_UP | 16 | 0.2198 | 0.8795 | 0.6040 | 0.7028 | 1.0000 | 1826 | tags=63%, list=41%, signal=106% |
| PROVENZANI_MET ASTASIS_DN | PROVENZANI_META STASIS_DN | 42 | 0.2142 | 1.1883 | 0.2008 | 0.3001 | 1.0000 | 1676 | tags=57%, list=38%, signal=91% |
| PROVENZANI_MET ASTASIS_UP | PROVENZANI_META STASIS_UP | 52 | 0.2239 | 1.2863 | 0.1250 | 0.2125 | 1.0000 | 878 | tags=40%, list=20%, signal=50% |
| PUIFFE_INVASION_ INHIBITED_BY_AS CITES_DN | PUIFFE_INVASION_I NHIBITED_BY_ASCIT ES_DN | 31 | 0.1952 | 0.9979 | 0.4488 | 0.5401 | 1.0000 | 546 | tags=23%, list=12%, signal=26% |
| PUIFFE_INVASION_ INHIBITED_BY_AS CITES_UP | PUIFFE_INVASION_I NHIBITED_BY_ASCIT ES_UP | 23 | 0.2668 | 1.2241 | 0.2034 | 0.2661 | 1.0000 | 1379 | tags=61%, list=31%, signal=88% |
| PUJANA_ATM_PCC _NETWORK | PUJANA_ATM_PCC_N ETWORK | 208 | 0.3135 | 2.5905 | 0.0000 | 0.0001 | 0.0040 | 1492 | tags=58%, list=34%, signal=83% |
| PUJANA_BRCA_CE NTERED_NETWORK K | PUJANA_BRCA_CENT ERED_NETWORK | 32 | 0.6503 | 3.2511 | 0.0000 | 0.0000 | 0.0000 | 1146 | tags=84%, list=26%, signal=113% |
| PUJANA_BRCA1_P CC_NETWORK | PUJANA_BRCA1_PCC _NETWORK | 278 | 0.3278 | 2.7549 | 0.0000 | 0.0000 | 0.0000 | 1529 | tags=60%, list=34%, signal=85% |

| | | | | | | | | | |
|--|--|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| PUJANA_BRCA2_P CC_NETWORK | PUJANA_BRCA2_PCC _NETWORK | 103 | 0.5468 | 3.8080 | 0.0000 | 0.0000 | 0.0000 | 1146 | tags=72%, list=26%, signal=95% |
| PUJANA_BREAST_ CANCER_LIT_INT_ NETWORK | PUJANA_BREAST_CA NCER_LIT_INT_NET WORK | 27 | 0.4391 | 2.1338 | 0.0000 | 0.0028 | 0.3500 | 854 | tags=59%, list=19%, signal=73% |
| PUJANA_BREAST_ CANCER_WITH_BR CA1_MUTATED_UP | PUJANA_BREAST_CA NCER_WITH_BRCA1_ MUTATED_UP | 23 | 0.6658 | 2.9891 | 0.0000 | 0.0000 | 0.0000 | 1146 | tags=87%, list=26%, signal=117% |
| PUJANA_CHEK2_P CC_NETWORK | PUJANA_CHEK2_PCC _NETWORK | 150 | 0.4390 | 3.3330 | 0.0000 | 0.0000 | 0.0000 | 1484 | tags=72%, list=33%, signal=105% |
| PUJANA_XPRSS_IN T_NETWORK | PUJANA_XPRSS_INT_ NETWORK | 49 | 0.6307 | 3.7182 | 0.0000 | 0.0000 | 0.0000 | 1146 | tags=82%, list=26%, signal=109% |
| PURBEY_TARGETS _OF_CTBP1_NOT_S ATB1_DN | PURBEY_TARGETS_O F_CTBP1_NOT_SATB1 _DN | 77 | 0.1435 | 0.9491 | 0.5641 | 0.6052 | 1.0000 | 836 | tags=27%, list=19%, signal=33% |
| PYEON_CANCER_H EAD_AND_NECK_V S_CERVICAL_UP | PYEON_CANCER_HE AD_AND_NECK_VS_ CERVICAL_UP | 48 | 0.3323 | 1.8983 | 0.0000 | 0.0118 | 0.9020 | 1671 | tags=71%, list=38%, signal=112% |
| PYEON_HP_V_POSIT IVE_TUMORS_UP | PYEON_HP_V_POSITIV E_TUMORS_UP | 26 | 0.3079 | 1.4370 | 0.0781 | 0.1166 | 1.0000 | 1618 | tags=73%, list=36%, signal=114% |

| | | | | | | | | | |
|---|---|----|--------|--------|--------|--------|--------|------|--------------------------------------|
| QI_HYPOXIA | QI_HYPOXIA | 63 | 0.1604 | 1.0098 | 0.4630 | 0.5268 | 1.0000 | 318 | tags=14%, list=7%, signal=15% |
| QI_PLASMACYTOMA_DN | QI_PLASMACYTOMA_DN | 29 | 0.3578 | 1.7176 | 0.0162 | 0.0320 | 0.9990 | 1171 | tags=59%, list=26%, signal=79% |
| QUINTENS_EMBRYONIC_BRAIN_RESPONSE_TO_IR | QUINTENS_EMBRYONIC_BRAIN_RESPONSE_TO_IR | 18 | 0.2232 | 0.9147 | 0.5663 | 0.6496 | 1.0000 | 967 | tags=39%, list=22%, signal=50% |
| RADMACHER_AML_PROGNOSIS | RADMACHER_AML_PROGNOSIS | 19 | 0.2099 | 0.8797 | 0.6238 | 0.7031 | 1.0000 | 162 | tags=16%, list=4%, signal=16% |
| RAGHAVACHARI_PLATELET_SPECIFIC_GENES | RAGHAVACHARI_PLATELET_SPECIFIC_GENES | 26 | 0.3587 | 1.7073 | 0.0095 | 0.0335 | 0.9990 | 1117 | tags=54%, list=25%, signal=72% |
| RAMALHO_STEMNESSES_UP | RAMALHO_STEMNESSES_UP | 32 | 0.1678 | 0.8841 | 0.6457 | 0.6964 | 1.0000 | 145 | tags=13%, list=3%, signal=13% |
| RAMASWAMY_METASTASIS_UP | RAMASWAMY_METASTASIS_UP | 15 | 0.5269 | 2.0790 | 0.0089 | 0.0039 | 0.4820 | 841 | tags=53%, list=19%, signal=66% |
| RAO_BOUND_BY_SALL4_ISOFORM_B | RAO_BOUND_BY_SALL4_ISOFORM_B | 98 | 0.2111 | 1.4424 | 0.0411 | 0.1142 | 1.0000 | 695 | tags=29%, list=16%, signal=33% |

| | | | | | | | | | |
|--|--|-----|--------|--------|--------|--------|--------|------|--|
| RASHI_RESPONSE_TO_IONIZING_RADIATION_2 | RASHI_RESPONSE_TO_IONIZING_RADIATION_2 | 29 | 0.4383 | 2.0930 | 0.0000 | 0.0036 | 0.4460 | 1338 | tags=72%, list=30%, signal=103% |
| RAY_TUMORIGENESIS_BY_ERBB2_CD_C25A_UP | RAY_TUMORIGENESIS_BY_ERBB2_CD_C25A_UP | 59 | 0.2576 | 1.5968 | 0.0213 | 0.0567 | 1.0000 | 443 | tags=27%, list=10%, signal=30% |
| REACTOME_ACTIVATION_OF_NMDA_RECEPTORS_AND_POSTSYNAPTIC_EVENTS | REACTOME_ACTIVATION_OF_NMDA_RECEPTORS_AND_POSTSYNAPTIC_EVENTS | 23 | 0.1944 | 0.8991 | 0.5813 | 0.6722 | 1.0000 | 1238 | tags=43%, list=28%, signal=60% |
| REACTOME_ACTIVATION_OF_THE_MRNA_UPON_BINDING_OF_THE_CAP_BINDING_COMPLEX_AND_EIFS_AND_SUBSEQUENT_BINDING_TO_43S | REACTOME_ACTIVATION_OF_THE_MRNA_UPON_BINDING_OF_THE_CAP_BINDING_COMPLEX_AND_EIFS_AND_SUBSEQUENT_BINDING_TO_43S | 16 | 0.5200 | 2.0602 | 0.0000 | 0.0044 | 0.5430 | 2137 | tags=100%, list=48%, signal=192% |
| REACTOME_ADAPTIVE_IMMUNE_SYSTEM | REACTOME_ADAPTIVE_IMMUNE_SYSTEM | 132 | 0.1464 | 1.0444 | 0.4000 | 0.4779 | 1.0000 | 1022 | tags=31%, list=23%, signal=39% |

| | | | | | | | | | |
|---|---|----|--------|--------|--------|--------|--------|------|--|
| REACTOME_ANCHORING_OF_THE_BASAL_BODY_TO_THE_PLASMA_MEMBRANE | REACTOME_ANCHORING_OF_THE_BASAL_BODY_TO_THE_PLASMA_MEMBRANE | 19 | 0.5543 | 2.4264 | 0.0000 | 0.0002 | 0.0190 | 1590 | tags=84%, list=36%, signal=131% |
| REACTOME_ANTIGEN_PROCESSING_CROSS_PRESENTATION | REACTOME_ANTIGEN_PROCESSING_CROSS_PRESENTATION | 19 | 0.1182 | 0.4969 | 0.9797 | 0.9894 | 1.0000 | 3914 | tags=100%, list=88%, signal=845% |
| REACTOME_APOPTOSIS | REACTOME_APOPTOSIS | 23 | 0.3451 | 1.5352 | 0.0377 | 0.0756 | 1.0000 | 1871 | tags=74%, list=42%, signal=127% |
| REACTOME_ASSEMBLY_OF_COLLAGEN_FIBRILS_AND_OTHER_MULTIMERIC_STRUCTURES | REACTOME_ASSEMBLY_OF_COLLAGEN_FIBRILS_AND_OTHER_MULTIMERIC_STRUCTURES | 28 | 0.7434 | 3.6412 | 0.0000 | 0.0000 | 0.0000 | 532 | tags=75%, list=12%, signal=85% |
| REACTOME_AURK_A_ACTIVATION_BY_TPX2 | REACTOME_AURK_ACTIVATION_BY_TPX2 | 16 | 0.5917 | 2.3372 | 0.0000 | 0.0005 | 0.0590 | 1117 | tags=75%, list=25%, signal=100% |
| REACTOME_AUTOPHAGY | REACTOME_AUTOPHAGY | 31 | 0.2594 | 1.2905 | 0.1513 | 0.2098 | 1.0000 | 1117 | tags=42%, list=25%, signal=56% |

| | | | | | | | | | |
|--|--|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| REACTOME_BETA_CATENIN_INDEPENDENT_WNT_SIGNALING | REACTOME_BETA_CATENIN_INDEPENDENT_WNT_SIGNALING | 21 | 0.2177 | 0.9488 | 0.5359 | 0.6051 | 1.0000 | 1114 | tags=43%, list=25%, signal=57% |
| REACTOME_CDC42_GTPASE_CYCLE | REACTOME_CDC42_GTPASE_CYCLE | 40 | 0.3635 | 2.0172 | 0.0000 | 0.0056 | 0.6520 | 1548 | tags=70%, list=35%, signal=107% |
| REACTOME_CELL_CELL_COMMUNICATION | REACTOME_CELL_CELL_COMMUNICATION | 30 | 0.3287 | 1.6101 | 0.0418 | 0.0533 | 1.0000 | 1499 | tags=63%, list=34%, signal=95% |
| REACTOME_CELL_CYCLE | REACTOME_CELL_CYCLE | 129 | 0.5222 | 3.8395 | 0.0000 | 0.0000 | 0.0000 | 1484 | tags=78%, list=33%, signal=114% |
| REACTOME_CELL_CYCLE_CHECKPOINTS | REACTOME_CELL_CYCLE_CHECKPOINTS | 62 | 0.5739 | 3.4983 | 0.0000 | 0.0000 | 0.0000 | 1165 | tags=74%, list=26%, signal=99% |
| REACTOME_CELL_CYCLE_MITOTIC | REACTOME_CELL_CYCLE_MITOTIC | 106 | 0.5437 | 3.8238 | 0.0000 | 0.0000 | 0.0000 | 1484 | tags=81%, list=33%, signal=119% |
| REACTOME_CELL_DEATH_SIGNALING_VIA_NRAGE_NRF_AND_NADE | REACTOME_CELL_DEATH_SIGNALING_VIA_NRAGE_NRF_AND_NADE | 21 | 0.2874 | 1.2436 | 0.1908 | 0.2492 | 1.0000 | 611 | tags=33%, list=14%, signal=38% |

| | | | | | | | | | |
|---|---|-----|--------|--------|--------|--------|--------|------|--|
| REACTOME_CELL_JUNCTION_ORGANIZATION | REACTOME_CELL_JUNCTION_ORGANIZATION | 22 | 0.2858 | 1.2836 | 0.1792 | 0.2142 | 1.0000 | 1099 | tags=45%, list=25%, signal=60% |
| REACTOME_CELL_SURFACE_INTERACTIONS_AT_THE_VASCULAR_WALL | REACTOME_CELL_SURFACE_INTERACTIONS_AT_THE_VASCULAR_WALL | 45 | 0.2099 | 1.1920 | 0.2070 | 0.2966 | 1.0000 | 380 | tags=22%, list=9%, signal=24% |
| REACTOME_CELLULAR_RESPONSE_TO_STARVATION | REACTOME_CELLULAR_RESPONSE_TO_STARVATION | 48 | 0.5154 | 3.0007 | 0.0000 | 0.0000 | 0.0000 | 2174 | tags=100%, list=49%, signal=194% |
| REACTOME_CELLULAR_RESPONSES_TO_STIMULI | REACTOME_CELLULAR_RESPONSES_TO_STIMULI | 147 | 0.0903 | 0.6710 | 0.9820 | 0.9206 | 1.0000 | 2060 | tags=63%, list=46%, signal=113% |
| REACTOME_CELLULAR_SENESCENCE | REACTOME_CELLULAR_SENESCENCE | 17 | 0.3895 | 1.6059 | 0.0306 | 0.0544 | 1.0000 | 1871 | tags=76%, list=42%, signal=132% |
| REACTOME_CHROMATIN_MODIFYING_ENZYMES | REACTOME_CHROMATIN_MODIFYING_ENZYMES | 22 | 0.3226 | 1.4263 | 0.0872 | 0.1212 | 1.0000 | 1966 | tags=82%, list=44%, signal=146% |
| REACTOME_CHROMOSOME_MAINTENANCE | REACTOME_CHROMOSOME_MAINTENANCE | 18 | 0.5827 | 2.3490 | 0.0000 | 0.0005 | 0.0530 | 1861 | tags=100%, list=42%, signal=172% |

| | | | | | | | | | |
|--|--|----|--------|--------|--------|--------|--------|------|---------------------------------------|
| REACTOME_CILIU M_ASSEMBLY | REACTOME_CILIUM_ ASSEMBLY | 39 | 0.4341 | 2.3464 | 0.0000 | 0.0005 | 0.0540 | 1773 | tags=79%, list=40%, signal=131% |
| REACTOME_COLL AGEN_BIOSYNTH ESIS_AND_MODIFYI NG_ENZYMES | REACTOME_COLLAG EN_BIOSYNTHESIS_A ND_MODIFYING_ENZ YMES | 25 | 0.6008 | 2.8016 | 0.0000 | 0.0000 | 0.0000 | 1024 | tags=72%, list=23%, signal=93% |
| REACTOME_COLL AGEN_CHAIN_TRI MERIZATION | REACTOME_COLLAG EN_CHAIN_TRIMERI ZATION | 20 | 0.6998 | 3.0013 | 0.0000 | 0.0000 | 0.0000 | 588 | tags=70%, list=13%, signal=80% |
| REACTOME_COLL AGEN_DEGRADATI ON | REACTOME_COLLAG EN_DEGRADATION | 27 | 0.6588 | 3.1814 | 0.0000 | 0.0000 | 0.0000 | 644 | tags=67%, list=15%, signal=78% |
| REACTOME_COLL AGEN_FORMATION | REACTOME_COLLAG EN_FORMATION | 36 | 0.6362 | 3.2734 | 0.0000 | 0.0000 | 0.0000 | 830 | tags=69%, list=19%, signal=85% |
| REACTOME_COPI_ DEPENDENT_GOLG I_TO_ER_RETROGR ADE_TRAFFIC | REACTOME_COPI_DE PENDENT_GOLGI_TO _ER_RETROGRADE_T RAFFIC | 36 | 0.3769 | 1.9386 | 0.0038 | 0.0093 | 0.8340 | 1759 | tags=69%, list=40%, signal=114% |
| REACTOME_COPI_I NDEPENDENT_GOL GI_TO_ER_RETROG RADE_TRAFFIC | REACTOME_COPI_IN DEPENDENT_GOLGI_ TO_ER_RETROGRAD E_TRAFFIC | 15 | 0.4672 | 1.8171 | 0.0114 | 0.0192 | 0.9800 | 1723 | tags=80%, list=39%, signal=130% |

| | | | | | | | | | |
|--|--|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| REACTOME_COPI_MEDIATED_ANTEROGRADE_TRANSPORT | REACTOME_COPI_MEDIATED_ANTEROGRADE_TRANSPORT | 20 | 0.3744 | 1.6270 | 0.0259 | 0.0498 | 1.0000 | 1723 | tags=70%, list=39%, signal=114% |
| REACTOME_DEATH_RECEPTOR_SIGNALING | REACTOME_DEATH_RECEPTOR_SIGNALING | 27 | 0.2287 | 1.0924 | 0.3110 | 0.4167 | 1.0000 | 855 | tags=33%, list=19%, signal=41% |
| REACTOME_DEGRADATION_OF_THE_EXTRACELLULAR_MATRIX | REACTOME_DEGRADATION_OF_THE_EXTRACELLULAR_MATRIX | 53 | 0.4737 | 2.8470 | 0.0000 | 0.0000 | 0.0000 | 644 | tags=47%, list=15%, signal=55% |
| REACTOME_DEVELOPMENTAL_BIOLOGY | REACTOME_DEVELOPMENTAL_BIOLOGY | 245 | 0.2069 | 1.7221 | 0.0000 | 0.0313 | 0.9990 | 2142 | tags=71%, list=48%, signal=130% |
| REACTOME_DISEASES_ASSOCIATED_WITH_GLYCOSAMINOGLYCAN_METABOLISM | REACTOME_DISEASES_ASSOCIATED_WITH_GLYCOSAMINOGLYCAN_METABOLISM | 15 | 0.4248 | 1.6301 | 0.0286 | 0.0490 | 1.0000 | 1120 | tags=53%, list=25%, signal=71% |
| REACTOME_DISEASES_OF_GLYCOSYLATION | REACTOME_DISEASES_OF_GLYCOSYLATION | 33 | 0.1755 | 0.9113 | 0.6140 | 0.6532 | 1.0000 | 440 | tags=18%, list=10%, signal=20% |

| | | | | | | | | | |
|---|---|----|--------|--------|--------|--------|--------|------|---------------------------------------|
| REACTOME_DISEASES_OF_SIGNAL_TRANSDUCTION_BY_GROWTH_FACTOR_RECEPTORS_AND_SECOND_MESSENGERS | REACTOME_DISEASES_OF_SIGNAL_TRANSDUCTION_BY_GROWTH_FACTOR_RECEPTORS_AND_SECOND_MESSENGERS | 60 | 0.2288 | 1.3820 | 0.0542 | 0.1456 | 1.0000 | 477 | tags=25%, list=11%, signal=28% |
| REACTOME_DNA_DOUBLE_STRAND_BREAK_REPAIR | REACTOME_DNA_DOUBLE_STRAND_BREAK_REPAIR | 19 | 0.5995 | 2.5057 | 0.0000 | 0.0001 | 0.0080 | 1206 | tags=79%, list=27%, signal=108% |
| REACTOME_DNA_REPAIR | REACTOME_DNA_REPAIR | 36 | 0.5377 | 2.8749 | 0.0000 | 0.0000 | 0.0000 | 1206 | tags=72%, list=27%, signal=98% |
| REACTOME_DNA_REPLICATION | REACTOME_DNA_REPLICATION | 25 | 0.5808 | 2.7337 | 0.0000 | 0.0000 | 0.0010 | 1382 | tags=84%, list=31%, signal=121% |
| REACTOME_ECM_PROTEOGLYCANS | REACTOME_ECM_PROTEOGLYCANS | 40 | 0.5201 | 2.8267 | 0.0000 | 0.0000 | 0.0000 | 1120 | tags=65%, list=25%, signal=86% |
| REACTOME_ELASTIC_FIBRE_FORMATION | REACTOME_ELASTIC_FIBRE_FORMATION | 24 | 0.4555 | 2.0481 | 0.0033 | 0.0046 | 0.5670 | 1549 | tags=75%, list=35%, signal=115% |
| REACTOME_EPHRIN_SIGNALING | REACTOME_EPHRIN_SIGNALING | 27 | 0.3272 | 1.5386 | 0.0333 | 0.0748 | 1.0000 | 1983 | tags=78%, list=45%, signal=140% |

| | | | | | | | | | |
|--|---|-----|--------|--------|--------|--------|--------|------|--|
| REACTOME_ER_TO_GOLGI_ANTEROGRADE_TRANSPORT | REACTOME_ER_TO_GOLGI_ANTEROGRADE_TRANSPORT | 29 | 0.1412 | 0.7028 | 0.8889 | 0.8958 | 1.0000 | 739 | tags=24%, list=17%, signal=29% |
| REACTOME_ESR_MEDIATED_SIGNALING | REACTOME_ESR_MEDIATED_SIGNALING | 23 | 0.1839 | 0.8330 | 0.7036 | 0.7610 | 1.0000 | 1209 | tags=43%, list=27%, signal=59% |
| REACTOME_EUKARYOTIC_TRANSLATION_ELONGATION | REACTOME_EUKARYOTIC_TRANSLATION_ELONGATION | 44 | 0.5149 | 2.9093 | 0.0000 | 0.0000 | 0.0000 | 2174 | tags=100%, list=49%, signal=194% |
| REACTOME_EUKARYOTIC_TRANSLATION_INITIATION | REACTOME_EUKARYOTIC_TRANSLATION_INITIATION | 44 | 0.4862 | 2.6897 | 0.0000 | 0.0000 | 0.0030 | 2174 | tags=98%, list=49%, signal=190% |
| REACTOME_EXTRACELLULAR_MATRIX_ORGANIZATION | REACTOME_EXTRACELLULAR_MATRIX_ORGANIZATION | 123 | 0.3814 | 2.7946 | 0.0000 | 0.0000 | 0.0000 | 1191 | tags=54%, list=27%, signal=71% |
| REACTOME_FACTORS_INVOLVED_IN_MEGAKARYOCYTE_DEVELOPMENT_AND_PLATELET_PRODUCTION | REACTOME_FACTOR_S_INVOLVED_IN_MEGAKARYOCYTE_DEVELOPMENT_AND_PLATELET_PRODUCTION | 44 | 0.2790 | 1.5886 | 0.0247 | 0.0590 | 1.0000 | 889 | tags=36%, list=20%, signal=45% |

| | | | | | | | | | |
|---|---|----|--------|--------|--------|--------|--------|------|---------------------------------------|
| REACTOME_FCGA MMA_RECEPTOR_F CGR_DEPENDENT_ PHAGOCYTOSIS | REACTOME_FCGAM MA_RECEPTOR_FCG R_DEPENDENT_PHA GOCYTOSIS | 21 | 0.3467 | 1.5589 | 0.0282 | 0.0682 | 1.0000 | 1966 | tags=81%, list=44%, signal=145% |
| REACTOME_FORM ATION_OF_THE_CO RNIFIED_ENVELOP E | REACTOME_FORMAT ION_OF_THE_CORNIF IED_ENVELOPE | 24 | 0.2142 | 0.9995 | 0.4597 | 0.5380 | 1.0000 | 525 | tags=21%, list=12%, signal=24% |
| REACTOME_G_ALP HA_12_13_SIGNALL ING_EVENTS | REACTOME_G_ALPH A_12_13_SIGNALLIN G_EVENTS | 21 | 0.1724 | 0.7385 | 0.8173 | 0.8639 | 1.0000 | 572 | tags=24%, list=13%, signal=27% |
| REACTOME_G2_M_ CHECKPOINTS | REACTOME_G2_M_C HECKPOINTS | 26 | 0.6078 | 2.7766 | 0.0000 | 0.0000 | 0.0000 | 1477 | tags=88%, list=33%, signal=132% |
| REACTOME_G2_M_ DNA_DAMAGE_CH ECKPOINT | REACTOME_G2_M_D NA_DAMAGE_CHEC KPOINT | 16 | 0.5972 | 2.4166 | 0.0000 | 0.0002 | 0.0220 | 1477 | tags=88%, list=33%, signal=131% |
| REACTOME_GAP_J UNCTION_TRAFFIC KING_AND_REGUL ATION | REACTOME_GAP_JU NCTION_TRAFFICKIN G_AND_REGULATIO N | 17 | 0.3710 | 1.5328 | 0.0593 | 0.0762 | 1.0000 | 1723 | tags=76%, list=39%, signal=125% |
| REACTOME_GLYC OSAMINOGLYCAN _METABOLISM | REACTOME_GLYCOS AMINOGLYCAN_MET ABOLISM | 36 | 0.1529 | 0.8391 | 0.7106 | 0.7536 | 1.0000 | 952 | tags=31%, list=21%, signal=39% |

| | | | | | | | | | |
|--|--|----|--------|--------|--------|--------|--------|------|---------------------------------------|
| REACTOME_GOLGI_TO_ER_RETROGRADE_TRANSPORT | REACTOME_GOLGI_TO_ER_RETROGRADE_TRANSPORT | 43 | 0.3998 | 2.1544 | 0.0000 | 0.0025 | 0.2990 | 1759 | tags=72%, list=40%, signal=118% |
| REACTOME_HCMV_EARLY_EVENTS | REACTOME_HCMV_EARLY_EVENTS | 19 | 0.5275 | 2.1703 | 0.0000 | 0.0022 | 0.2610 | 1752 | tags=89%, list=39%, signal=147% |
| REACTOME_HCMV_INFECTION | REACTOME_HCMV_INFECTION | 24 | 0.5250 | 2.4021 | 0.0000 | 0.0003 | 0.0280 | 1752 | tags=88%, list=39%, signal=144% |
| REACTOME_HEDGEHOG_OFF_STATE | REACTOME_HEDGEHOG_OFF_STATE | 24 | 0.1579 | 0.7398 | 0.8197 | 0.8630 | 1.0000 | 1436 | tags=46%, list=32%, signal=67% |
| REACTOME_HEPARAN_SULFATE_HEPARIN_HS_GAG_METABOLISM | REACTOME_HEPARAN_SULFATE_HEPARIN_HS_GAG_METABOLISM | 17 | 0.2247 | 0.9361 | 0.5490 | 0.6238 | 1.0000 | 118 | tags=12%, list=3%, signal=12% |
| REACTOME_HIV_INFECTION | REACTOME_HIV_INFECTION | 28 | 0.3256 | 1.5462 | 0.0327 | 0.0722 | 1.0000 | 1950 | tags=75%, list=44%, signal=133% |
| REACTOME_HIV_LIFE_CYCLE | REACTOME_HIV_LIFE_CYCLE | 18 | 0.4077 | 1.6911 | 0.0171 | 0.0364 | 1.0000 | 1904 | tags=78%, list=43%, signal=136% |
| REACTOME_HOMOLOGY_DIRECTED_REPAIR | REACTOME_HOMOLOGY_DIRECTED_REPAIR | 17 | 0.5839 | 2.3010 | 0.0000 | 0.0008 | 0.0890 | 1206 | tags=76%, list=27%, signal=105% |

| | | | | | | | | | |
|---|---|-----|--------|--------|--------|--------|--------|------|--|
| REACTOME_HOST_INTERACTIONS_OF_HIV_FACTORS | REACTOME_HOST_INTERACTIONS_OF_HIV_FACTORS | 19 | 0.2332 | 1.0017 | 0.4215 | 0.5349 | 1.0000 | 1950 | tags=68%, list=44%, signal=122% |
| REACTOME_INFECTIOUS_DISEASE | REACTOME_INFECTIOUS_DISEASE | 162 | 0.1890 | 1.5165 | 0.0000 | 0.0820 | 1.0000 | 2137 | tags=72%, list=48%, signal=133% |
| REACTOME_INFLUENZA_INFECTION | REACTOME_INFLUENZA_INFECTION | 48 | 0.5154 | 2.9687 | 0.0000 | 0.0000 | 0.0000 | 2174 | tags=100%, list=49%, signal=194% |
| REACTOME_INTEGRIN_CELL_SURFACE_INTERACTIONS | REACTOME_INTEGRIN_CELL_SURFACE_INTERACTIONS | 45 | 0.4723 | 2.7753 | 0.0000 | 0.0000 | 0.0000 | 437 | tags=40%, list=10%, signal=44% |
| REACTOME_INTERFERON_SIGNALING | REACTOME_INTERFERON_SIGNALING | 26 | 0.1265 | 0.6041 | 0.9358 | 0.9581 | 1.0000 | 2114 | tags=69%, list=48%, signal=131% |
| REACTOME_INTRA_GOLGI_AND_RETROGRADE_GOLGI_TO_ER_TRAFFIC | REACTOME_INTRA_GOLGI_AND_RETROGRADE_GOLGI_TO_ER_TRAFFIC | 56 | 0.3458 | 2.0260 | 0.0000 | 0.0053 | 0.6300 | 1436 | tags=59%, list=32%, signal=86% |
| REACTOME_INTRACELLULAR_TRANSPORT | REACTOME_INTRACELLULAR_TRANSPORT | 17 | 0.4553 | 1.8505 | 0.0118 | 0.0157 | 0.9530 | 1723 | tags=82%, list=39%, signal=134% |
| REACTOME_KERATINIZATION | REACTOME_KERATINIZATION | 31 | 0.2133 | 1.0500 | 0.4133 | 0.4702 | 1.0000 | 2110 | tags=71%, list=48%, signal=134% |

| | | | | | | | | | |
|---|---|-----|--------|--------|--------|--------|--------|------|--------------------------------------|
| REACTOME_KINESINS | REACTOME_KINESINS | 31 | 0.4004 | 2.0234 | 0.0000 | 0.0054 | 0.6360 | 1436 | tags=61%, list=32%, signal=90% |
| REACTOME_LICAM_INTERACTIONS | REACTOME_LICAM_INTERACTIONS | 40 | 0.3218 | 1.7580 | 0.0116 | 0.0263 | 0.9970 | 1485 | tags=52%, list=33%, signal=78% |
| REACTOME_LAMININ_INTERACTIONS | REACTOME_LAMININ_INTERACTIONS | 15 | 0.7515 | 2.9074 | 0.0000 | 0.0000 | 0.0000 | 425 | tags=73%, list=10%, signal=81% |
| REACTOME_MPHASE | REACTOME_MPHASE | 68 | 0.5408 | 3.3325 | 0.0000 | 0.0000 | 0.0000 | 1122 | tags=69%, list=25%, signal=91% |
| REACTOME_MAPK_FAMILY_SIGNALING_CASCADES | REACTOME_MAPK_FAMILY_SIGNALING_CASCADES | 55 | 0.1464 | 0.8655 | 0.7028 | 0.7191 | 1.0000 | 477 | tags=18%, list=11%, signal=20% |
| REACTOME_Membrane_Trafficking | REACTOME_Membrane_Trafficking | 139 | 0.2214 | 1.6572 | 0.0000 | 0.0428 | 1.0000 | 1436 | tags=50%, list=32%, signal=71% |
| REACTOME_MET_ACTIVATES_PTK2_SIGNALING | REACTOME_MET_ACTIVATES_PTK2_SIGNALING | 16 | 0.7553 | 3.0028 | 0.0000 | 0.0000 | 0.0000 | 383 | tags=75%, list=9%, signal=82% |
| REACTOME_MET_Promotes_Cell_Motility | REACTOME_MET_Promotes_Cell_Motility | 16 | 0.7553 | 2.9695 | 0.0000 | 0.0000 | 0.0000 | 383 | tags=75%, list=9%, signal=82% |

| | | | | | | | | | |
|---|---|----|--------|--------|--------|--------|--------|------|---------------------------------------|
| REACTOME_META BOLISM_OF_RNA | REACTOME_METAB OLISM_OF_RNA | 73 | 0.3251 | 2.0716 | 0.0000 | 0.0041 | 0.5090 | 2174 | tags=89%, list=49%, signal=172% |
| REACTOME_MHC_ CLASS_II_ANTIGEN _PRESENTATION | REACTOME_MHC_CL ASS_II_ANTIGEN_PR ESENTATION | 40 | 0.3918 | 2.1603 | 0.0000 | 0.0024 | 0.2850 | 1723 | tags=70%, list=39%, signal=113% |
| REACTOME_MITOT IC_G1_PHASE_AND _G1_S_TRANSITIO N | REACTOME_MITOTIC _G1_PHASE_AND_G1 _S_TRANSITION | 31 | 0.5445 | 2.7782 | 0.0000 | 0.0000 | 0.0000 | 1418 | tags=81%, list=32%, signal=118% |
| REACTOME_MITOT IC_G2_G2_M_PHAS ES | REACTOME_MITOTIC _G2_G2_M_PHASES | 34 | 0.5018 | 2.5354 | 0.0000 | 0.0001 | 0.0070 | 1125 | tags=65%, list=25%, signal=86% |
| REACTOME_MITOT IC_METAPHASE_A ND_ANAPHASE | REACTOME_MITOTIC _METAPHASE_AND_ ANAPHASE | 53 | 0.5713 | 3.4529 | 0.0000 | 0.0000 | 0.0000 | 1122 | tags=72%, list=25%, signal=95% |
| REACTOME_MITOT IC_PROMETAPHAS E | REACTOME_MITOTIC _PROMETAPHASE | 51 | 0.5850 | 3.5059 | 0.0000 | 0.0000 | 0.0000 | 1122 | tags=75%, list=25%, signal=99% |
| REACTOME_MITOT IC_SPINDLE_CHEC KPOINT | REACTOME_MITOTIC _SPINDLE_CHECKPOI NT | 32 | 0.6111 | 3.1356 | 0.0000 | 0.0000 | 0.0000 | 1088 | tags=78%, list=25%, signal=103% |

| | | | | | | | | | |
|--|--|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| REACTOME_MOLECULES_ASSOCIATED_WITH_ELASTIC_FIBRES | REACTOME_MOLECULES_ASSOCIATED_WITH_ELASTIC_FIBRES | 19 | 0.4371 | 1.8129 | 0.0156 | 0.0196 | 0.9800 | 1667 | tags=79%, list=38%, signal=126% |
| REACTOME_MUSCLE_CONTRACTION | REACTOME_MUSCLE_CONTRACTION | 60 | 0.1649 | 1.0055 | 0.4541 | 0.5318 | 1.0000 | 988 | tags=33%, list=22%, signal=42% |
| REACTOME_NCAM_SIGNALING_FOR_NEURITE_OUT_GROWTH | REACTOME_NCAM_SIGNALING_FOR_NEURITE_OUT_GROWTH | 20 | 0.3807 | 1.6393 | 0.0240 | 0.0468 | 1.0000 | 425 | tags=40%, list=10%, signal=44% |
| REACTOME_NCAM1_INTERACTIONS | REACTOME_NCAM1_INTERACTIONS | 16 | 0.3931 | 1.6125 | 0.0385 | 0.0527 | 1.0000 | 425 | tags=44%, list=10%, signal=48% |
| REACTOME_NEDDYLIATION | REACTOME_NEDDYLIATION | 15 | 0.2141 | 0.8100 | 0.7135 | 0.7876 | 1.0000 | 84 | tags=13%, list=2%, signal=14% |
| REACTOME_NERVOUS_SYSTEM_DEVELOPMENT | REACTOME_NERVOUS_SYSTEM_DEVELOPMENT | 161 | 0.2884 | 2.2244 | 0.0000 | 0.0013 | 0.1640 | 2139 | tags=78%, list=48%, signal=146% |
| REACTOME_NEUROTRANSMITTER_RECEPTORS_AND_POSTSYNAPTIC_SIGNAL_TRANSMISSION | REACTOME_NEUROTRANSMITTER_RECEPTORS_AND_POSTSYNAPTIC_SIGNAL_TRANSMISSION | 41 | 0.0989 | 0.5367 | 0.9922 | 0.9806 | 1.0000 | 607 | tags=17%, list=14%, signal=20% |

| | | | | | | | | | |
|---|---|----|--------|--------|--------|--------|--------|------|--|
| NAL_TRANSMISSIO N | | | | | | | | | |
| REACTOME_NON_I NTEGRIN_MEMBR ANE_ECM_INTERA CTIONS | REACTOME_NON_IN TEGRIN_MEMBRANE _ECM_INTERACTION S | 34 | 0.5739 | 2.8967 | 0.0000 | 0.0000 | 0.0000 | 488 | tags=53%, list=11%, signal=59% |
| REACTOME_NONS ENSE_MEDIATED_ DECAY_NMD | REACTOME_NONSEN SE_MEDIATED_DECA Y_NMD | 42 | 0.5147 | 2.8499 | 0.0000 | 0.0000 | 0.0000 | 2174 | tags=100%, list=49%, signal=194% |
| REACTOME_NRAG E_SIGNALS_DEATH _THROUGH_JNK | REACTOME_NRAGE_ SIGNALS_DEATH_TH ROUGH_JNK | 18 | 0.2297 | 0.9555 | 0.5329 | 0.5967 | 1.0000 | 572 | tags=28%, list=13%, signal=32% |
| REACTOME_NUCL EAR_ENVELOPE_N E_REASSEMBLY | REACTOME_NUCLEA R_ENVELOPE_NE_RE ASSEMBLY | 18 | 0.5384 | 2.2248 | 0.0000 | 0.0013 | 0.1630 | 1723 | tags=89%, list=39%, signal=145% |
| REACTOME_ONCO GENIC_MAPK_SIG NALING | REACTOME_ONCOGE NIC_MAPK_SIGNALI NG | 18 | 0.2271 | 0.9138 | 0.5559 | 0.6507 | 1.0000 | 1099 | tags=44%, list=25%, signal=59% |

| | | | | | | | | | |
|---|---|----|--------|--------|--------|--------|--------|------|---------------------------------------|
| REACTOME_ORGANELLE_BIOGENESIS_AND_MAINTENANCE | REACTOME_ORGANELLE_BIOGENESIS_AND_MAINTENANCE | 52 | 0.2391 | 1.3524 | 0.0833 | 0.1631 | 1.0000 | 1283 | tags=48%, list=29%, signal=67% |
| REACTOME_P75_NTR_RECEPTOR_MEDIATED_SIGNALLING | REACTOME_P75_NTR_RECEPTOR_MEDIATED_SIGNALLING | 23 | 0.2588 | 1.2016 | 0.2226 | 0.2874 | 1.0000 | 611 | tags=30%, list=14%, signal=35% |
| REACTOME_PCP_CELL_PATHWAY | REACTOME_PCP_CELL_PATHWAY | 15 | 0.2758 | 1.0439 | 0.3947 | 0.4778 | 1.0000 | 1114 | tags=47%, list=25%, signal=62% |
| REACTOME_PROGRAMMED_CELL_DEATH | REACTOME_PROGRAMMED_CELL_DEATH | 25 | 0.3741 | 1.6664 | 0.0132 | 0.0409 | 1.0000 | 1871 | tags=76%, list=42%, signal=131% |
| REACTOME_PROTEIN_FOLDING | REACTOME_PROTEIN_FOLDING | 19 | 0.3234 | 1.3938 | 0.1003 | 0.1392 | 1.0000 | 1966 | tags=79%, list=44%, signal=141% |
| REACTOME_RAB_GERANYLGERANYLATION | REACTOME_RAB_GERANYLGERANYLATION | 16 | 0.3546 | 1.3823 | 0.1140 | 0.1456 | 1.0000 | 1922 | tags=81%, list=43%, signal=143% |
| REACTOME_RAC1_GTPASE_CYCLE | REACTOME_RAC1_GTPASE_CYCLE | 39 | 0.4155 | 2.2429 | 0.0000 | 0.0012 | 0.1430 | 1666 | tags=77%, list=38%, signal=122% |
| REACTOME_RAC2_GTPASE_CYCLE | REACTOME_RAC2_GTPASE_CYCLE | 25 | 0.4945 | 2.3397 | 0.0000 | 0.0005 | 0.0590 | 1645 | tags=84%, list=37%, signal=133% |

| | | | | | | | | | |
|---|---|----|--------|--------|--------|--------|--------|------|---------------------------------------|
| REACTOME_RAC3_GTPASE_CYCLE | REACTOME_RAC3_GTPASE_CYCLE | 24 | 0.4001 | 1.8446 | 0.0109 | 0.0163 | 0.9580 | 1645 | tags=75%, list=37%, signal=119% |
| REACTOME_RECRUITMENT_OF_MITOTIC_CENTROSOME_PROTEINS_AND_COMPLEXES | REACTOME_RECRUITMENT_OF_MITOTIC_CENTROSOME_PROTEINS_AND_COMPLEXES | 15 | 0.5762 | 2.2223 | 0.0000 | 0.0013 | 0.1670 | 1117 | tags=73%, list=25%, signal=98% |
| REACTOME_RECRUITMENT_OF_NUMA_TO_MITOTIC_CENTROSOMES | REACTOME_RECRUITMENT_OF_NUMA_TO_MITOTIC_CENTROSOMES | 20 | 0.5102 | 2.2116 | 0.0000 | 0.0015 | 0.1830 | 1723 | tags=85%, list=39%, signal=138% |
| REACTOME_RECYCLING_PATHWAY_OF_L1 | REACTOME_RECYCLING_PATHWAY_OF_L1 | 19 | 0.3502 | 1.5036 | 0.0559 | 0.0870 | 1.0000 | 1737 | tags=68%, list=39%, signal=112% |
| REACTOME_REGULATION_OF_EXPRESSION_OF_SLITS_AND_ROBOS | REACTOME_REGULATION_OF_EXPRESSION_OF_SLITS_AND_ROBOS | 45 | 0.4587 | 2.6584 | 0.0000 | 0.0000 | 0.0030 | 2174 | tags=98%, list=49%, signal=190% |
| REACTOME_REGULATION_OF_INSULIN_SECRETION | REACTOME_REGULATION_OF_INSULIN_SECRETION | 18 | 0.1895 | 0.7903 | 0.7478 | 0.8089 | 1.0000 | 1026 | tags=39%, list=23%, signal=50% |

| | | | | | | | | | |
|--|--|-----|--------|--------|--------|--------|--------|------|--|
| REACTOME_REGULATION_OF_PLK1_ACTIVITY_AT_G2_M_TRANSITION | REACTOME_REGULATION_OF_PLK1_ACTIVITY_AT_G2_M_TRANSITION | 18 | 0.5797 | 2.3610 | 0.0000 | 0.0004 | 0.0450 | 1122 | tags=72%, list=25%, signal=96% |
| REACTOME_REGULATION_OF_TP53_ACTIVITY | REACTOME_REGULATION_OF_TP53_ACTIVITY | 25 | 0.4108 | 1.8606 | 0.0071 | 0.0148 | 0.9480 | 1123 | tags=60%, list=25%, signal=80% |
| REACTOME_RESOLUTION_OF_SISTER_CHROMATID_COHESION | REACTOME_RESOLUTION_OF_SISTER_CHROMATID_COHESION | 42 | 0.5965 | 3.3928 | 0.0000 | 0.0000 | 0.0000 | 1122 | tags=76%, list=25%, signal=101% |
| REACTOME_RESPONSE_OF_EIF2AK4_GCN2_TO_AMINO_ACID_DEFICIENCY | REACTOME_RESPONSE_OF_EIF2AK4_GCN2_TO_AMINO_ACID_DEFICIENCY | 42 | 0.5147 | 2.9040 | 0.0000 | 0.0000 | 0.0000 | 2174 | tags=100%, list=49%, signal=194% |
| REACTOME_RHO_GTPASE_CYCLE | REACTOME_RHO_GTPASE_CYCLE | 106 | 0.3468 | 2.4578 | 0.0000 | 0.0001 | 0.0110 | 1548 | tags=63%, list=35%, signal=95% |
| REACTOME_RHO_GTPASE_EFFECTORS | REACTOME_RHO_GTPASE_EFFECTORS | 84 | 0.4608 | 3.0757 | 0.0000 | 0.0000 | 0.0000 | 1117 | tags=60%, list=25%, signal=78% |
| REACTOME_RHO_GTPASES_ACTIVATING_FORMINS | REACTOME_RHO_GTPASES_ACTIVATING_FORMINS | 49 | 0.5135 | 2.9697 | 0.0000 | 0.0000 | 0.0000 | 1117 | tags=65%, list=25%, signal=86% |

| | | | | | | | | | |
|--|--|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| REACTOME_RHOA _GTPASE_CYCLE | REACTOME_RHOA_G TPASE_CYCLE | 37 | 0.3693 | 1.9192 | 0.0040 | 0.0104 | 0.8630 | 1084 | tags=51%, list=24%, signal=67% |
| REACTOME_RHOB _GTPASE_CYCLE | REACTOME_RHOB_G TPASE_CYCLE | 19 | 0.3740 | 1.5489 | 0.0438 | 0.0714 | 1.0000 | 1548 | tags=68%, list=35%, signal=105% |
| REACTOME_RHOC _GTPASE_CYCLE | REACTOME_RHOC_G TPASE_CYCLE | 20 | 0.4766 | 2.0304 | 0.0065 | 0.0052 | 0.6140 | 1059 | tags=60%, list=24%, signal=78% |
| REACTOME_RHOD _GTPASE_CYCLE | REACTOME_RHOD_G TPASE_CYCLE | 15 | 0.2929 | 1.1314 | 0.2953 | 0.3665 | 1.0000 | 1059 | tags=47%, list=24%, signal=61% |
| REACTOME_RHOG _GTPASE_CYCLE | REACTOME_RHOG_G TPASE_CYCLE | 18 | 0.3519 | 1.4542 | 0.0774 | 0.1091 | 1.0000 | 1548 | tags=67%, list=35%, signal=102% |
| REACTOME_RHOQ _GTPASE_CYCLE | REACTOME_RHOQ_G TPASE_CYCLE | 17 | 0.3534 | 1.3825 | 0.1477 | 0.1456 | 1.0000 | 1673 | tags=76%, list=38%, signal=122% |
| REACTOME_RNA_P OLYMERASE_II_TRAN SCRIPTION | REACTOME_RNA_PO LYMERASE_II_TRAN SCRIPTION | 186 | 0.2500 | 1.9890 | 0.0000 | 0.0067 | 0.7310 | 1405 | tags=53%, list=32%, signal=74% |
| REACTOME_RRNA _PROCESSING | REACTOME_RRNA_P ROCESSING | 48 | 0.3995 | 2.3421 | 0.0000 | 0.0005 | 0.0570 | 2174 | tags=94%, list=49%, signal=182% |

| | | | | | | | | | |
|---|---|----|--------|--------|--------|--------|--------|------|--|
| REACTOME_S_PHASE | REACTOME_S_PHASE | 25 | 0.5741 | 2.6616 | 0.0000 | 0.0000 | 0.0030 | 1418 | tags=84%, list=32%, signal=123% |
| REACTOME_SARS_COV_INFECTIONS | REACTOME_SARS_COV_INFECTIONS | 34 | 0.1298 | 0.6877 | 0.8963 | 0.9077 | 1.0000 | 988 | tags=29%, list=22%, signal=38% |
| REACTOME_SELECTIVE_AUTOPHAGY | REACTOME_SELECTIVE_AUTOPHAGY | 23 | 0.1563 | 0.7013 | 0.8393 | 0.8967 | 1.0000 | 1436 | tags=43%, list=32%, signal=64% |
| REACTOME_SEMAPHORIN_INTERACTIONS | REACTOME_SEMAPHORIN_INTERACTIONS | 24 | 0.3458 | 1.6099 | 0.0216 | 0.0533 | 1.0000 | 1326 | tags=63%, list=30%, signal=89% |
| REACTOME_SENSORIAL_PROCESSING_OF_SOUND | REACTOME_SENSORIAL_PROCESSING_OF_SOUND | 24 | 0.1432 | 0.6458 | 0.9132 | 0.9375 | 1.0000 | 3804 | tags=100%, list=86%, signal=697% |
| REACTOME_SEPARATION_OF_SISTER_CHROMATIDS | REACTOME_SEPARATION_OF_SISTER_CHROMATIDS | 43 | 0.5734 | 3.2230 | 0.0000 | 0.0000 | 0.0000 | 1117 | tags=72%, list=25%, signal=95% |
| REACTOME_SIGNALING_BY_BRAF_AND_RAF1_FUSIONS | REACTOME_SIGNALING_BY_BRAF_AND_RAF1_FUSIONS | 16 | 0.2033 | 0.8128 | 0.6994 | 0.7840 | 1.0000 | 1099 | tags=44%, list=25%, signal=58% |
| REACTOME_SIGNALING_BY_HEDGEHOG | REACTOME_SIGNALING_BY_HEDGEHOG | 33 | 0.1686 | 0.8345 | 0.7072 | 0.7595 | 1.0000 | 1164 | tags=39%, list=26%, signal=53% |

| | | | | | | | | | |
|--|--|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| REACTOME_SIGNA LING_BY_MET | REACTOME_SIGNALI NG_BY_MET | 22 | 0.6460 | 2.9259 | 0.0000 | 0.0000 | 0.0000 | 383 | tags=64%, list=9%, signal=69% |
| REACTOME_SIGNA LING_BY_NOTCH | REACTOME_SIGNALI NG_BY_NOTCH | 29 | 0.2295 | 1.1089 | 0.3307 | 0.3962 | 1.0000 | 576 | tags=28%, list=13%, signal=31% |
| REACTOME_SIGNA LING_BY_NTRKS | REACTOME_SIGNALI NG_BY_NTRKS | 22 | 0.1265 | 0.5595 | 0.9682 | 0.9738 | 1.0000 | 875 | tags=27%, list=20%, signal=34% |
| REACTOME_SIGNA LING_BY_PDGF | REACTOME_SIGNALI NG_BY_PDGF | 24 | 0.6596 | 3.0760 | 0.0000 | 0.0000 | 0.0000 | 516 | tags=71%, list=12%, signal=80% |
| REACTOME_SIGNA LING_BY_RECEPTO R_TYROSINE_KINA SES | REACTOME_SIGNALI NG_BY_RECEPTOR_T YROSINE_KINASES | 126 | 0.2630 | 1.9568 | 0.0000 | 0.0083 | 0.8020 | 457 | tags=26%, list=10%, signal=28% |
| REACTOME_SIGNA LING_BY_RHO_GT PASES_MIRO_GTPA SES_AND_RHOBTB 3 | REACTOME_SIGNALI NG_BY_RHO_GTPAS ES_MIRO_GTPASES_ AND_RHOBTB3 | 176 | 0.3981 | 3.0525 | 0.0000 | 0.0000 | 0.0000 | 1484 | tags=65%, list=33%, signal=93% |
| REACTOME_SIGNA LING_BY_ROBO_R ECEPTORS | REACTOME_SIGNALI NG_BY_ROBO_RECE PTORS | 56 | 0.3868 | 2.3232 | 0.0000 | 0.0006 | 0.0700 | 2174 | tags=93%, list=49%, signal=180% |

| | | | | | | | | | |
|--|--|----|--------|--------|--------|--------|--------|------|--|
| REACTOME_SIGNA LING_BY_VEGF | REACTOME_SIGNALI NG_BY_VEGF | 28 | 0.2509 | 1.2377 | 0.1591 | 0.2537 | 1.0000 | 1105 | tags=46%, list=25%, signal=61% |
| REACTOME_SIGNA LING_BY_WNT | REACTOME_SIGNALI NG_BY_WNT | 37 | 0.3104 | 1.6542 | 0.0189 | 0.0435 | 1.0000 | 1114 | tags=49%, list=25%, signal=64% |
| REACTOME_SMOO TH_MUSCLE_CON TRACTION | REACTOME_SMOOT H_MUSCLE_CONTRA CTION | 17 | 0.4288 | 1.7541 | 0.0247 | 0.0267 | 0.9970 | 1080 | tags=59%, list=24%, signal=77% |
| REACTOME_SPHIN GOLIPID_METABO LISM | REACTOME_SPHING OLIPID_METABOLIS M | 16 | 0.1975 | 0.7745 | 0.7449 | 0.8256 | 1.0000 | 882 | tags=38%, list=20%, signal=47% |
| REACTOME_SRP_D EPENDENT_COTRA NSLATIONAL_PRO TEIN_TARGETING_ TO_MEMBRANE | REACTOME_SRP_DEP ENDENT_COTRANSL ATIONAL_PROTEIN_ TARGETING_TO_ME MBRANE | 44 | 0.5149 | 2.9237 | 0.0000 | 0.0000 | 0.0000 | 2174 | tags=100%, list=49%, signal=194% |
| REACTOME_SUMO YLATION | REACTOME_SUMOY LATION | 34 | 0.2487 | 1.2684 | 0.1502 | 0.2272 | 1.0000 | 1047 | tags=47%, list=24%, signal=61% |
| REACTOME_SYND ECAN_INTERACTIO NS | REACTOME_SYNDEC AN_INTERACTIONS | 17 | 0.6227 | 2.4825 | 0.0000 | 0.0001 | 0.0090 | 209 | tags=47%, list=5%, signal=49% |

| | | | | | | | | | |
|---|---|----|--------|--------|--------|--------|--------|------|---------------------------------------|
| REACTOME_SYNT HESIS_OF_DNA | REACTOME_SYNTHE SIS_OF_DNA | 20 | 0.5867 | 2.4692 | 0.0000 | 0.0001 | 0.0100 | 1382 | tags=85%, list=31%, signal=123% |
| REACTOME_TCF_D EPENDENT_SIGNA LING_IN_RESPONS E_TO_WNT | REACTOME_TCF_DE PENDENT_SIGNALIN G_IN_RESPONSE_TO_ WNT | 23 | 0.3719 | 1.6927 | 0.0195 | 0.0361 | 1.0000 | 1018 | tags=52%, list=23%, signal=67% |
| REACTOME_TP53_ REGULATES_TRAN SCRIPTION_OF_CE LL_CYCLE_GENES | REACTOME_TP53_RE GULATES_TRANSCRI PTION_OF_CELL_CY CLE_GENES | 15 | 0.5320 | 2.0570 | 0.0000 | 0.0044 | 0.5490 | 1907 | tags=93%, list=43%, signal=163% |
| REACTOME_TRAN SCRIPTIONAL_REG ULATION_BY_RUN X1 | REACTOME_TRANSC RIPTIONAL_REGULA TION_BY_RUNX1 | 30 | 0.2182 | 1.0776 | 0.3736 | 0.4331 | 1.0000 | 1056 | tags=47%, list=24%, signal=61% |
| REACTOME_TRAN SCRIPTIONAL_REG ULATION_BY_RUN X2 | REACTOME_TRANSC RIPTIONAL_REGULA TION_BY_RUNX2 | 21 | 0.2941 | 1.2874 | 0.1650 | 0.2119 | 1.0000 | 600 | tags=33%, list=14%, signal=38% |
| REACTOME_TRAN SCRIPTIONAL_REG ULATION_BY_RUN X3 | REACTOME_TRANSC RIPTIONAL_REGULA TION_BY_RUNX3 | 15 | 0.3173 | 1.2391 | 0.2029 | 0.2533 | 1.0000 | 1148 | tags=53%, list=26%, signal=72% |

| | | | | | | | | | |
|--|--|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| REACTOME_TRANSCRIPTIONAL_REGULATION_BY_TP53 | REACTOME_TRANSCRIPTIONAL_REGULATION_BY_TP53 | 61 | 0.3289 | 2.0881 | 0.0000 | 0.0037 | 0.4610 | 1506 | tags=61%, list=34%, signal=91% |
| REACTOME_TRANSLATION | REACTOME_TRANSLATION | 56 | 0.4000 | 2.4282 | 0.0000 | 0.0002 | 0.0190 | 2174 | tags=91%, list=49%, signal=176% |
| REACTOME_TRANSLLOCATION_OF_SLC2A4_GLUT4_TO_THE_PLASMA_MEMBRANE | REACTOME_TRANSLLOCATION_OF_SLC2A4_GLUT4_TO_THE_PLASMA_MEMBRANE | 22 | 0.3693 | 1.6094 | 0.0220 | 0.0533 | 1.0000 | 1966 | tags=82%, list=44%, signal=146% |
| REACTOME_VESICLE_MEDIATED_TRANSPORT | REACTOME_VESICLE_MEDIATED_TRANSPORT | 167 | 0.1587 | 1.1851 | 0.1948 | 0.3032 | 1.0000 | 752 | tags=26%, list=17%, signal=31% |
| REN_ALVEOLAR_RHABDOMYOSARCOMA_DN | REN_ALVEOLAR_RHABDOMYOSARCOMA_DN | 149 | 0.4346 | 3.2896 | 0.0000 | 0.0000 | 0.0000 | 1272 | tags=62%, list=29%, signal=84% |
| REN_ALVEOLAR_RHABDOMYOSARCOMA_UP | REN_ALVEOLAR_RHABDOMYOSARCOMA_UP | 26 | 0.1278 | 0.6030 | 0.9204 | 0.9580 | 1.0000 | 621 | tags=19%, list=14%, signal=22% |
| REN_BOUND_BY_E2F2 | REN_BOUND_BY_E2F2 | 26 | 0.7319 | 3.4456 | 0.0000 | 0.0000 | 0.0000 | 1125 | tags=96%, list=25%, signal=128% |

| | | | | | | | | | |
|--|--|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| RHEIN_ALL_GLUCOCORTICOID_THERAPY_DN | RHEIN_ALL_GLUCOCORTICOID_THERAPY_DN | 117 | 0.2870 | 2.0327 | 0.0000 | 0.0051 | 0.6020 | 1053 | tags=43%, list=24%, signal=55% |
| RHODES_CANCER_META_SIGNATURE | RHODES_CANCER_META_SIGNATURE | 19 | 0.6461 | 2.8217 | 0.0000 | 0.0000 | 0.0000 | 1235 | tags=84%, list=28%, signal=116% |
| RHODES_UNDIFFERENTIATED_CANCER | RHODES_UNDIFFERENTIATED_CANCER | 37 | 0.5850 | 3.0188 | 0.0000 | 0.0000 | 0.0000 | 920 | tags=70%, list=21%, signal=88% |
| RICKMAN_HEAD_AND_NECK_CANCER_A | RICKMAN_HEAD_AND_NECK_CANCER_A | 32 | 0.2450 | 1.2329 | 0.1710 | 0.2576 | 1.0000 | 524 | tags=25%, list=12%, signal=28% |
| RICKMAN_METASTASIS_DN | RICKMAN_METASTASIS_DN | 68 | 0.3371 | 2.1925 | 0.0000 | 0.0018 | 0.2190 | 1702 | tags=69%, list=38%, signal=110% |
| RICKMAN_METASTASIS_UP | RICKMAN_METASTASIS_UP | 59 | 0.1362 | 0.8488 | 0.7114 | 0.7428 | 1.0000 | 1112 | tags=36%, list=25%, signal=47% |
| RICKMAN_TUMOR_DIFFERENTIATED_MODERATELY_VS_POORLY_UP | RICKMAN_TUMOR_DIFFERENTIATED_MODERATELY_VS_POORLY_UP | 26 | 0.3967 | 1.8394 | 0.0068 | 0.0169 | 0.9630 | 1559 | tags=73%, list=35%, signal=112% |

| | | | | | | | | | |
|--|--|----|--------|--------|--------|--------|--------|------|--------------------------------------|
| RICKMAN_TUMOR _DIFFERENTIATED _WELL_VS_MODER ATELY_DN | RICKMAN_TUMOR_D IFFERENTIATED_WE LL_VS_MODERATEL Y_DN | 32 | 0.2397 | 1.1578 | 0.2310 | 0.3332 | 1.0000 | 637 | tags=28%, list=14%, signal=33% |
| RICKMAN_TUMOR _DIFFERENTIATED _WELL_VS_MODER ATELY_UP | RICKMAN_TUMOR_D IFFERENTIATED_WE LL_VS_MODERATEL Y_UP | 24 | 0.2576 | 1.1905 | 0.2384 | 0.2978 | 1.0000 | 1456 | tags=67%, list=33%, signal=99% |
| RICKMAN_TUMOR _DIFFERENTIATED _WELL_VS_POORL Y_DN | RICKMAN_TUMOR_D IFFERENTIATED_WE LL_VS_POORLY_DN | 83 | 0.2476 | 1.6634 | 0.0064 | 0.0416 | 1.0000 | 1518 | tags=57%, list=34%, signal=84% |
| RICKMAN_TUMOR _DIFFERENTIATED _WELL_VS_POORL Y_UP | RICKMAN_TUMOR_D IFFERENTIATED_WE LL_VS_POORLY_UP | 51 | 0.2534 | 1.4750 | 0.0349 | 0.0993 | 1.0000 | 1569 | tags=59%, list=35%, signal=90% |
| RIEGE_DELTANP63 _DIRECT_TARGETS _UP | RIEGE_DELTANP63_ DIRECT_TARGETS_U P | 42 | 0.3939 | 2.1305 | 0.0000 | 0.0028 | 0.3550 | 1405 | tags=67%, list=32%, signal=97% |
| RIGGI_EWING_SAR COMA_PROGENITO R_DN | RIGGI_EWING_SARC OMA_PROGENITOR_ DN | 83 | 0.3099 | 2.0485 | 0.0000 | 0.0046 | 0.5670 | 1155 | tags=51%, list=26%, signal=67% |
| RIGGINS_TAMOXIF EN_RESISTANCE_D N | RIGGINS_TAMOXIFE N_RESISTANCE_DN | 59 | 0.2730 | 1.6630 | 0.0237 | 0.0416 | 1.0000 | 1003 | tags=46%, list=23%, signal=58% |

| | | | | | | | | | |
|--|--|-----|--------|--------|--------|--------|--------|------|--|
| RIZ_ERYTHROID_D DIFFERENTIATION | RIZ_ERYTHROID_DIF FERENTIATION | 17 | 0.5963 | 2.3995 | 0.0000 | 0.0003 | 0.0300 | 1027 | tags=71%, list=23%, signal=91% |
| RIZKI_TUMOR_INV ASIVENESS_2D_UP | RIZKI_TUMOR_INVA SIVENESS_2D_UP | 15 | 0.1640 | 0.6325 | 0.9110 | 0.9444 | 1.0000 | 3711 | tags=100%, list=84%, signal=609% |
| RODRIGUES_DCC_ TARGETS_DN | RODRIGUES_DCC_TA RGETS_DN | 26 | 0.2368 | 1.1251 | 0.2958 | 0.3741 | 1.0000 | 229 | tags=19%, list=5%, signal=20% |
| RODRIGUES_NTN1 _TARGETS_DN | RODRIGUES_NTN1_T ARGETS_DN | 32 | 0.3135 | 1.6427 | 0.0202 | 0.0461 | 1.0000 | 297 | tags=22%, list=7%, signal=23% |
| RODRIGUES_THYR OID_CARCINOMA_ ANAPLASTIC_UP | RODRIGUES_THYROI D_CARCINOMA_ANA PLASTIC_UP | 157 | 0.4356 | 3.3949 | 0.0000 | 0.0000 | 0.0000 | 1523 | tags=73%, list=34%, signal=108% |
| RODRIGUES_THYR OID_CARCINOMA_ DN | RODRIGUES_THYROI D_CARCINOMA_DN | 16 | 0.4479 | 1.7587 | 0.0153 | 0.0262 | 0.9970 | 702 | tags=44%, list=16%, signal=52% |
| RODRIGUES_THYR OID_CARCINOMA_ POORLY_DIFFERE NTIATED_UP | RODRIGUES_THYROI D_CARCINOMA_POO RLY_DIFFERENTIATE D_UP | 155 | 0.4030 | 3.0779 | 0.0000 | 0.0000 | 0.0000 | 1482 | tags=71%, list=33%, signal=103% |
| RODWELL_AGING_ KIDNEY_NO_BLOO D_UP | RODWELL_AGING_KI DNEY_NO_BLOOD_U P | 95 | 0.3774 | 2.5929 | 0.0000 | 0.0001 | 0.0040 | 691 | tags=40%, list=16%, signal=46% |

| | | | | | | | | | |
|---|---|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| RODWELL_AGING_KIDNEY_UP | RODWELL_AGING_KIDNEY_UP | 139 | 0.3212 | 2.3981 | 0.0000 | 0.0003 | 0.0310 | 1703 | tags=65%, list=38%, signal=102% |
| ROESSLER_LIVER_CANCER_METASTASIS_UP | ROESSLER_LIVER_CANCER_METASTASIS_UP | 33 | 0.3150 | 1.5987 | 0.0302 | 0.0562 | 1.0000 | 833 | tags=48%, list=19%, signal=59% |
| ROSS_ACUTE_MYELOID_LEUKEMIA_CBF | ROSS_ACUTE_MYELOID_LEUKEMIA_CBF | 22 | 0.3295 | 1.4442 | 0.0635 | 0.1133 | 1.0000 | 1725 | tags=68%, list=39%, signal=111% |
| ROSS_AML_OF_FAB_M7_TYPE | ROSS_AML_OF_FAB_M7_TYPE | 26 | 0.1511 | 0.7077 | 0.8351 | 0.8927 | 1.0000 | 1039 | tags=38%, list=23%, signal=50% |
| ROSS_AML_WITH_AML1_ETO_FUSION | ROSS_AML_WITH_AML1_ETO_FUSION | 22 | 0.2928 | 1.3049 | 0.1405 | 0.1976 | 1.0000 | 128 | tags=18%, list=3%, signal=19% |
| ROSS_AML_WITH_PML_RARA_FUSION | ROSS_AML_WITH_PML_RARA_FUSION | 25 | 0.2252 | 1.0498 | 0.3949 | 0.4700 | 1.0000 | 954 | tags=40%, list=22%, signal=51% |
| ROSTY_CERVICAL_CANCER_PROLIFERATION_CLUSTER | ROSTY_CERVICAL_CANCER_PROLIFERATION_CLUSTER | 85 | 0.6213 | 4.2535 | 0.0000 | 0.0000 | 0.0000 | 1349 | tags=87%, list=30%, signal=123% |
| ROY_WOUND_BLOOD_VESSEL_UP | ROY_WOUND_BLOOD_VESSEL_UP | 25 | 0.5021 | 2.3700 | 0.0000 | 0.0004 | 0.0410 | 674 | tags=56%, list=15%, signal=66% |

| | | | | | | | | | |
|--|--|----|--------|--------|--------|--------|--------|------|---------------------------------------|
| ROZANOV_MMP14_TARGETS_UP | ROZANOV_MMP14_TARGETS_UP | 75 | 0.1567 | 1.0306 | 0.4529 | 0.4973 | 1.0000 | 1172 | tags=40%, list=26%, signal=53% |
| RUIZ_TNC_TARGETS_DN | RUIZ_TNC_TARGETS_DN | 74 | 0.6035 | 3.9072 | 0.0000 | 0.0000 | 0.0000 | 1493 | tags=89%, list=34%, signal=132% |
| RUIZ_TNC_TARGETS_UP | RUIZ_TNC_TARGETS_UP | 58 | 0.2939 | 1.8189 | 0.0056 | 0.0190 | 0.9780 | 566 | tags=33%, list=13%, signal=37% |
| RUTELLA_RESPONSE_TO_CSF2RB_AND_IL4_UP | RUTELLA_RESPONSE_TO_CSF2RB_AND_IL4_UP | 89 | 0.2214 | 1.5036 | 0.0189 | 0.0871 | 1.0000 | 1532 | tags=53%, list=35%, signal=79% |
| RUTELLA_RESPONSE_TO_HGF_DN | RUTELLA_RESPONSE_TO_HGF_DN | 47 | 0.1101 | 0.6275 | 0.9444 | 0.9473 | 1.0000 | 766 | tags=19%, list=17%, signal=23% |
| RUTELLA_RESPONSE_TO_HGF_VS_CSF2RB_AND_IL4_DN | RUTELLA_RESPONSE_TO_HGF_VS_CSF2RB_AND_IL4_DN | 59 | 0.2676 | 1.6522 | 0.0095 | 0.0439 | 1.0000 | 998 | tags=42%, list=22%, signal=54% |
| RYAN_MANTLE_CELL_LYMPHOMA_NOTCH_DIRECT_UP | RYAN_MANTLE_CELL_LYMPHOMA_NOTCH_DIRECT_UP | 28 | 0.2180 | 1.0629 | 0.3770 | 0.4552 | 1.0000 | 405 | tags=21%, list=9%, signal=23% |
| SAFFORD_T_LYMPHOCYTE_ANERGY | SAFFORD_T_LYMPHOCYTE_ANERGY | 20 | 0.2212 | 0.9493 | 0.4734 | 0.6055 | 1.0000 | 671 | tags=30%, list=15%, signal=35% |

| | | | | | | | | | |
|----------------------------------|----------------------------------|----|--------|--------|--------|--------|--------|------|---------------------------------------|
| SAMOLS_TARGETS_OF_KHSV_MIRNAS_DN | SAMOLS_TARGETS_OF_KHSV_MIRNAS_DN | 23 | 0.5225 | 2.3621 | 0.0000 | 0.0004 | 0.0450 | 642 | tags=52%, list=14%, signal=61% |
| SANA_RESPONSE_TO_IFNG_DN | SANA_RESPONSE_TO_IFNG_DN | 27 | 0.3780 | 1.8557 | 0.0032 | 0.0152 | 0.9510 | 1907 | tags=81%, list=43%, signal=142% |
| SANA_TNF_SIGNALING_DN | SANA_TNF_SIGNALING_DN | 33 | 0.1503 | 0.7759 | 0.7948 | 0.8243 | 1.0000 | 542 | tags=21%, list=12%, signal=24% |
| SANA_TNF_SIGNALING_UP | SANA_TNF_SIGNALING_UP | 19 | 0.4345 | 1.8370 | 0.0031 | 0.0171 | 0.9690 | 855 | tags=47%, list=19%, signal=58% |
| SANSOM_APC_TARGETS | SANSOM_APC_TARGETS | 48 | 0.3471 | 1.9092 | 0.0000 | 0.0111 | 0.8840 | 1052 | tags=52%, list=24%, signal=68% |
| SANSOM_APC_TARGETS_REQUIRE_MYC | SANSOM_APC_TARGETS_REQUIRE_MYC | 42 | 0.3276 | 1.7479 | 0.0041 | 0.0274 | 0.9970 | 1052 | tags=48%, list=24%, signal=62% |
| SANSOM_APC_TARGETS_UP | SANSOM_APC_TARGETS_UP | 41 | 0.2431 | 1.2964 | 0.1392 | 0.2045 | 1.0000 | 917 | tags=41%, list=21%, signal=52% |
| SANSOM_WNT_PATHWAY_REQUIRE_MYC | SANSOM_WNT_PATHWAY_REQUIRE_MYC | 20 | 0.4561 | 1.9509 | 0.0065 | 0.0085 | 0.8140 | 878 | tags=60%, list=20%, signal=74% |

| | | | | | | | | | |
|---|---|----|--------|--------|--------|--------|--------|------|---------------------------------------|
| SARRIO_EPITHELIAL_MESENCHYMAL_TRANSITION_UP | SARRIO_EPITHELIAL_MESENCHYMAL_TRANSITION_UP | 74 | 0.5641 | 3.5805 | 0.0000 | 0.0000 | 0.0000 | 1088 | tags=73%, list=25%, signal=95% |
| SASAI_RESISTANCE_TO_NEOPLASTIC_TRANSFORMATION | SASAI_RESISTANCE_TO_NEOPLASTIC_TRANSFORMATION | 21 | 0.4779 | 2.1348 | 0.0032 | 0.0027 | 0.3440 | 1426 | tags=71%, list=32%, signal=105% |
| SASAKI_ADULT_T_CELL_LEUKEMIA | SASAKI_ADULT_T_CELL_LEUKEMIA | 59 | 0.4246 | 2.5985 | 0.0000 | 0.0001 | 0.0040 | 1255 | tags=59%, list=28%, signal=82% |
| SASSON_RESPONSE_TO_FORSKOLIN_DN | SASSON_RESPONSE_TO_FORSKOLIN_DN | 21 | 0.4458 | 1.9755 | 0.0000 | 0.0073 | 0.7610 | 1549 | tags=76%, list=35%, signal=117% |
| SASSON_RESPONSE_TO_FORSKOLIN_UP | SASSON_RESPONSE_TO_FORSKOLIN_UP | 21 | 0.1468 | 0.6408 | 0.9080 | 0.9398 | 1.0000 | 830 | tags=29%, list=19%, signal=35% |
| SASSON_RESPONSE_TO_GONADOTROPHINS_DN | SASSON_RESPONSE_TO_GONADOTROPHINS_DN | 20 | 0.4682 | 1.9519 | 0.0095 | 0.0085 | 0.8120 | 1549 | tags=80%, list=35%, signal=122% |
| SASSON_RESPONSE_TO_GONADOTROPHINS_UP | SASSON_RESPONSE_TO_GONADOTROPHINS_UP | 22 | 0.1336 | 0.5795 | 0.9558 | 0.9665 | 1.0000 | 830 | tags=27%, list=19%, signal=33% |

| | | | | | | | | | |
|---|---|-----|--------|--------|--------|--------|--------|------|--------------------------------------|
| SATO_SILENCED_BY_METHYLATION_IN_PANCREATIC_CANCER_1 | SATO_SILENCED_BY_METHYLATION_IN_PANCREATIC_CANCER_1 | 118 | 0.0945 | 0.6883 | 0.9274 | 0.9078 | 1.0000 | 1582 | tags=45%, list=36%, signal=68% |
| SATO_SILENCED_BY_METHYLATION_IN_PANCREATIC_CANCER_2 | SATO_SILENCED_BY_METHYLATION_IN_PANCREATIC_CANCER_2 | 17 | 0.2989 | 1.2319 | 0.1835 | 0.2585 | 1.0000 | 96 | tags=18%, list=2%, signal=18% |
| SATOH_COLORECTAL_CANCER_MYC_UP | SATOH_COLORECTAL_CANCER_MYC_UP | 23 | 0.2782 | 1.2712 | 0.1678 | 0.2248 | 1.0000 | 1532 | tags=65%, list=35%, signal=99% |
| SCHAEFFER_PROSTATE_DEVELOPMENT_12HR_DN | SCHAEFFER_PROSTATE_DEVELOPMENT_12HR_DN | 21 | 0.3747 | 1.6510 | 0.0186 | 0.0442 | 1.0000 | 1117 | tags=57%, list=25%, signal=76% |
| SCHAEFFER_PROSTATE_DEVELOPMENT_12HR_UP | SCHAEFFER_PROSTATE_DEVELOPMENT_12HR_UP | 37 | 0.2168 | 1.1772 | 0.2360 | 0.3117 | 1.0000 | 857 | tags=32%, list=19%, signal=40% |
| SCHAEFFER_PROSTATE_DEVELOPMENT_48HR_DN | SCHAEFFER_PROSTATE_DEVELOPMENT_48HR_DN | 115 | 0.2117 | 1.5412 | 0.0146 | 0.0740 | 1.0000 | 519 | tags=23%, list=12%, signal=25% |
| SCHAEFFER_PROSTATE_DEVELOPMENT_6HR_DN | SCHAEFFER_PROSTATE_DEVELOPMENT_6HR_DN | 65 | 0.2468 | 1.5199 | 0.0151 | 0.0808 | 1.0000 | 807 | tags=35%, list=18%, signal=43% |

| | | | | | | | | | |
|--|--|-----|--------|--------|--------|--------|--------|------|--|
| SCHAEFFER_PROS TATE_DEVELOPME NT_6HR_UP | SCHAEFFER_PROSTA TE_DEVELOPMENT_6 HR_UP | 33 | 0.2022 | 1.0918 | 0.3418 | 0.4160 | 1.0000 | 128 | tags=12%, list=3%, signal=12% |
| SCHLOSSER_SERU M_RESPONSE_DN | SCHLOSSER_SERUM_ RESPONSE_DN | 116 | 0.1563 | 1.1328 | 0.2203 | 0.3653 | 1.0000 | 611 | tags=23%, list=14%, signal=26% |
| SCHLOSSER_SERU M_RESPONSE_UP | SCHLOSSER_SERUM_ RESPONSE_UP | 21 | 0.2493 | 1.0903 | 0.3195 | 0.4179 | 1.0000 | 3335 | tags=100%, list=75%, signal=401% |
| SCHUETZ_BREAST _CANCER_DUCTAL _INVASIVE_DN | SCHUETZ_BREAST_C ANCER_DUCTAL_IN VASIVE_DN | 24 | 0.2731 | 1.2565 | 0.1800 | 0.2377 | 1.0000 | 1399 | tags=63%, list=32%, signal=91% |
| SCHUETZ_BREAST _CANCER_DUCTAL _INVASIVE_UP | SCHUETZ_BREAST_C ANCER_DUCTAL_IN VASIVE_UP | 139 | 0.4253 | 3.1788 | 0.0000 | 0.0000 | 0.0000 | 1124 | tags=59%, list=25%, signal=77% |
| SCIBETTA_KDM5B _TARGETS_DN | SCIBETTA_KDM5B_T ARGETS_DN | 33 | 0.4325 | 2.1662 | 0.0000 | 0.0022 | 0.2690 | 337 | tags=36%, list=8%, signal=39% |
| SEAVEY_EPITHELI OID_HEMANGIOEN DOTHELIOMA | SEAVEY_EPITHELIOI D_HEMANGIOENDOT HELIOMA | 31 | 0.5038 | 2.5036 | 0.0000 | 0.0001 | 0.0080 | 1124 | tags=61%, list=25%, signal=82% |
| SEIDEN_ONCOGEN ESIS_BY_MET | SEIDEN_ONCOGENES IS_BY_MET | 22 | 0.2987 | 1.3380 | 0.1104 | 0.1725 | 1.0000 | 630 | tags=27%, list=14%, signal=32% |

| | | | | | | | | | |
|--|--|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| SEITZ_NEOPLASTIC_TRANSFORMATIONS_BY_8P_DELETION_UP | SEITZ_NEOPLASTIC_TRANSFORMATIONS_BY_8P_DELETION_UP | 18 | 0.2402 | 0.9905 | 0.4551 | 0.5507 | 1.0000 | 1175 | tags=50%, list=26%, signal=68% |
| SEKI_INFLAMMATORY_RESPONSE_LEVELS_UP | SEKI_INFLAMMATORY_RESPONSE_LEVELS_UP | 19 | 0.1715 | 0.7118 | 0.8173 | 0.8901 | 1.0000 | 307 | tags=16%, list=7%, signal=17% |
| SENESE_HDAC1_AND_HDAC2_TARGETS_DN | SENESE_HDAC1_AND_HDAC2_TARGETS_DN | 78 | 0.3132 | 2.0274 | 0.0000 | 0.0053 | 0.6260 | 1175 | tags=51%, list=26%, signal=69% |
| SENESE_HDAC1_AND_HDAC2_TARGETS_UP | SENESE_HDAC1_AND_HDAC2_TARGETS_UP | 64 | 0.2350 | 1.4739 | 0.0278 | 0.0996 | 1.0000 | 980 | tags=41%, list=22%, signal=51% |
| SENESE_HDAC1_TARGETS_DN | SENESE_HDAC1_TARGETS_DN | 68 | 0.2761 | 1.6949 | 0.0105 | 0.0357 | 1.0000 | 1646 | tags=65%, list=37%, signal=101% |
| SENESE_HDAC1_TARGETS_UP | SENESE_HDAC1_TARGETS_UP | 83 | 0.2584 | 1.7393 | 0.0000 | 0.0285 | 0.9980 | 980 | tags=45%, list=22%, signal=56% |
| SENESE_HDAC2_TARGETS_DN | SENESE_HDAC2_TARGETS_DN | 42 | 0.3889 | 2.1865 | 0.0000 | 0.0019 | 0.2330 | 762 | tags=43%, list=17%, signal=51% |
| SENESE_HDAC3_TARGETS_DN | SENESE_HDAC3_TARGETS_DN | 129 | 0.2904 | 2.1109 | 0.0000 | 0.0032 | 0.4010 | 856 | tags=40%, list=19%, signal=48% |

| | | | | | | | | | |
|--|--|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| SENESE_HDAC3_T ARGETS_UP | SENESE_HDAC3_TAR GETS_UP | 106 | 0.2591 | 1.8122 | 0.0000 | 0.0196 | 0.9800 | 838 | tags=38%, list=19%, signal=45% |
| SENGUPTA_EBNA1 _ANTICORRELATE D | SENGUPTA_EBNA1_A NTICORRELATED | 23 | 0.1161 | 0.5398 | 0.9815 | 0.9803 | 1.0000 | 1321 | tags=39%, list=30%, signal=55% |
| SENGUPTA_NASOP HARYNGEAL_CAR CINOMA_UP | SENGUPTA_NASOPH ARYNGEAL_CARCIN OMA_UP | 114 | 0.5729 | 4.0968 | 0.0000 | 0.0000 | 0.0000 | 1160 | tags=73%, list=26%, signal=96% |
| SENGUPTA_NASOP HARYNGEAL_CAR CINOMA_WITH_LM P1_UP | SENGUPTA_NASOPH ARYNGEAL_CARCIN OMA_WITH_LMP1_U P | 88 | 0.3163 | 2.1352 | 0.0000 | 0.0028 | 0.3440 | 931 | tags=44%, list=21%, signal=55% |
| SERVITJA_ISLET_H NF1A_TARGETS_U P | SERVITJA_ISLET_HN F1A_TARGETS_UP | 56 | 0.3542 | 2.1371 | 0.0000 | 0.0027 | 0.3370 | 1105 | tags=55%, list=25%, signal=73% |
| SERVITJA_LIVER_ HNF1A_TARGETS_ UP | SERVITJA_LIVER_HN F1A_TARGETS_UP | 66 | 0.2356 | 1.4502 | 0.0599 | 0.1106 | 1.0000 | 1122 | tags=48%, list=25%, signal=64% |
| SESTO_RESPONSE_ TO_UV_C0 | SESTO_RESPONSE_T O_UV_C0 | 20 | 0.1809 | 0.7675 | 0.7840 | 0.8343 | 1.0000 | 1477 | tags=50%, list=33%, signal=75% |
| SESTO_RESPONSE_ TO_UV_C2 | SESTO_RESPONSE_T O_UV_C2 | 15 | 0.4586 | 1.7720 | 0.0144 | 0.0242 | 0.9960 | 1530 | tags=87%, list=34%, signal=132% |

| | | | | | | | | | |
|--|--|-----|--------|--------|--------|--------|--------|------|--------------------------------------|
| SESTO_RESPONSE_TO_UV_C8 | SESTO_RESPONSE_TO_UV_C8 | 24 | 0.4708 | 2.1518 | 0.0069 | 0.0025 | 0.3080 | 560 | tags=46%, list=13%, signal=52% |
| SETLUR_PROSTATE_CANCER_TMPRSS2_ERG_FUSION_UP | SETLUR_PROSTATE_CANCER_TMPRSS2_ERG_FUSION_UP | 17 | 0.3129 | 1.2837 | 0.1754 | 0.2143 | 1.0000 | 92 | tags=18%, list=2%, signal=18% |
| SHAFFER_IRF4_TARGETS_IN_ACTIVATED_DENDRITIC_CELL | SHAFFER_IRF4_TARGETS_IN_ACTIVATED_DENDRITIC_CELL | 15 | 0.4336 | 1.6672 | 0.0246 | 0.0408 | 1.0000 | 761 | tags=47%, list=17%, signal=56% |
| SHAFFER_IRF4_TARGETS_IN_MYELOMA_VS_MATURE_B_LYMPHOCYTE | SHAFFER_IRF4_TARGETS_IN_MYELOMA_VS_MATURE_B_LYMPHOCYTE | 20 | 0.2776 | 1.1803 | 0.2336 | 0.3083 | 1.0000 | 761 | tags=35%, list=17%, signal=42% |
| SHAFFER_IRF4_TARGETS_IN_PLASMA_CELL_VS_MATURE_B_LYMPHOCYTE | SHAFFER_IRF4_TARGETS_IN_PLASMA_CELL_VS_MATURE_B_LYMPHOCYTE | 18 | 0.2388 | 0.9805 | 0.4713 | 0.5645 | 1.0000 | 833 | tags=33%, list=19%, signal=41% |
| SHEDDEN_LUNG_CANCER_POOR_SURVIVAL_A6 | SHEDDEN_LUNG_CANCER_POOR_SURVIVAL_A6 | 163 | 0.4193 | 3.1455 | 0.0000 | 0.0000 | 0.0000 | 1349 | tags=67%, list=30%, signal=93% |

| | | | | | | | | | |
|---|---|----|--------|--------|--------|--------|--------|------|--------------------------------------|
| SHEN_SMARCA2_T ARGETS_UP | SHEN_SMARCA2_TA RGETS_UP | 36 | 0.3180 | 1.6716 | 0.0160 | 0.0400 | 1.0000 | 1539 | tags=64%, list=35%, signal=97% |
| SHEPARD_BMYB_ MORPHOLINO_DN | SHEPARD_BMYB_MO RPHOLINO_DN | 93 | 0.2259 | 1.5576 | 0.0226 | 0.0686 | 1.0000 | 870 | tags=35%, list=20%, signal=43% |
| SHEPARD_BMYB_T ARGETS | SHEPARD_BMYB_TA RGETS | 33 | 0.4311 | 2.2462 | 0.0000 | 0.0012 | 0.1390 | 1112 | tags=61%, list=25%, signal=80% |
| SHEPARD_CRASH_ AND_BURN_MUTA NT_DN | SHEPARD_CRASH_A ND_BURN_MUTANT_ DN | 60 | 0.3898 | 2.4065 | 0.0000 | 0.0003 | 0.0270 | 1122 | tags=57%, list=25%, signal=75% |
| SHETH_LIVER_CA NCER_VS_TXNIP_L OSS_PAM1 | SHETH_LIVER_CANC ER_VS_TXNIP_LOSS_ PAM1 | 86 | 0.3070 | 2.1351 | 0.0000 | 0.0028 | 0.3440 | 677 | tags=36%, list=15%, signal=42% |
| SHETH_LIVER_CA NCER_VS_TXNIP_L OSS_PAM2 | SHETH_LIVER_CANC ER_VS_TXNIP_LOSS_ PAM2 | 71 | 0.2865 | 1.8709 | 0.0000 | 0.0139 | 0.9320 | 1228 | tags=55%, list=28%, signal=75% |
| SHETH_LIVER_CA NCER_VS_TXNIP_L OSS_PAM3 | SHETH_LIVER_CANC ER_VS_TXNIP_LOSS_ PAM3 | 30 | 0.4177 | 2.1357 | 0.0000 | 0.0028 | 0.3430 | 978 | tags=60%, list=22%, signal=76% |
| SHETH_LIVER_CA NCER_VS_TXNIP_L OSS_PAM5 | SHETH_LIVER_CANC ER_VS_TXNIP_LOSS_ PAM5 | 28 | 0.2287 | 1.0919 | 0.3532 | 0.4162 | 1.0000 | 1036 | tags=39%, list=23%, signal=51% |

| | | | | | | | | | |
|---|---|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| SHIPP_DLBCL_VS_FOLLICULAR_LYMPHOMA_UP | SHIPP_DLBCL_VS_FOLLICULAR_LYMPHOMA_UP | 16 | 0.4954 | 1.9539 | 0.0087 | 0.0084 | 0.8060 | 1943 | tags=94%, list=44%, signal=166% |
| SIMBULAN_PARP1_TARGETS_UP | SIMBULAN_PARP1_TARGETS_UP | 16 | 0.6440 | 2.5099 | 0.0000 | 0.0001 | 0.0070 | 425 | tags=56%, list=10%, signal=62% |
| SLEBOS_HEAD_AND_NECK_CANCER_WITH_HPV_UP | SLEBOS_HEAD_AND_NECK_CANCER_WITH_HPV_UP | 17 | 0.3381 | 1.4398 | 0.0903 | 0.1156 | 1.0000 | 1063 | tags=53%, list=24%, signal=69% |
| SMID_BREAST_CANCER_BASAL_UP | SMID_BREAST_CANCER_BASAL_UP | 234 | 0.4284 | 3.4435 | 0.0000 | 0.0000 | 0.0000 | 1178 | tags=59%, list=27%, signal=76% |
| SMID_BREAST_CANCER_LUMINAL_B_DN | SMID_BREAST_CANCER_LUMINAL_B_DN | 177 | 0.1644 | 1.2449 | 0.1034 | 0.2482 | 1.0000 | 983 | tags=33%, list=22%, signal=40% |
| SMID_BREAST_CANCER_RELAPSE_IN_BONE_DN | SMID_BREAST_CANCER_RELAPSE_IN_BONE_DN | 86 | 0.2831 | 1.8750 | 0.0064 | 0.0136 | 0.9270 | 1280 | tags=52%, list=29%, signal=72% |
| SMID_BREAST_CANCER_RELAPSE_IN_BRAIN_UP | SMID_BREAST_CANCER_RELAPSE_IN_BRAIN_UP | 17 | 0.4745 | 1.9936 | 0.0153 | 0.0065 | 0.7160 | 1811 | tags=82%, list=41%, signal=139% |
| SMIRNOV_RESPONSE_TO_IR_6HR_DN | SMIRNOV_RESPONSE_TO_IR_6HR_DN | 38 | 0.4138 | 2.1375 | 0.0000 | 0.0027 | 0.3350 | 1112 | tags=58%, list=25%, signal=77% |

| | | | | | | | | | |
|---|---|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| SONG_TARGETS_OF_IE86_CMV_PROTEIN | SONG_TARGETS_OF_IE86_CMV_PROTEIN | 22 | 0.6696 | 3.0886 | 0.0000 | 0.0000 | 0.0000 | 1129 | tags=86%, list=25%, signal=115% |
| SOTIRIOU_BREAST_CANCER_GRADE_1_VS_3_UP | SOTIRIOU_BREAST_CANCER_GRADE_1_VS_3_UP | 80 | 0.6007 | 3.9290 | 0.0000 | 0.0000 | 0.0000 | 1382 | tags=85%, list=31%, signal=121% |
| SPIELMAN_LYMPHOBLAST_EUROPEAN_VS_ASIAN_DN | SPIELMAN_LYMPHOBLAST_EUROPEAN_VS_ASIAN_DN | 76 | 0.2145 | 1.3817 | 0.0437 | 0.1456 | 1.0000 | 976 | tags=36%, list=22%, signal=45% |
| SPIELMAN_LYMPHOBLAST_EUROPEAN_VS_ASIAN_UP | SPIELMAN_LYMPHOBLAST_EUROPEAN_VS_ASIAN_UP | 99 | 0.2044 | 1.4115 | 0.0379 | 0.1295 | 1.0000 | 584 | tags=24%, list=13%, signal=27% |
| STAMBOLSKY_RESPONSE_TO_VITAMIN_D3_UP | STAMBOLSKY_RESPONSE_TO_VITAMIN_D3_UP | 22 | 0.1842 | 0.8274 | 0.6960 | 0.7678 | 1.0000 | 351 | tags=18%, list=8%, signal=20% |
| STARK_PREFRONTAL_CORTEX_22Q11_DELETION_UP | STARK_PREFRONTAL_CORTEX_22Q11_DELETION_UP | 34 | 0.1829 | 0.9281 | 0.5737 | 0.6330 | 1.0000 | 1069 | tags=35%, list=24%, signal=46% |
| STEIN_ESR1_TARGETS | STEIN_ESR1_TARGETS | 29 | 0.2757 | 1.3929 | 0.0558 | 0.1397 | 1.0000 | 1391 | tags=62%, list=31%, signal=90% |
| STEIN_ESRRA_TARGETS | STEIN_ESRRA_TARGETS | 139 | 0.1081 | 0.8432 | 0.8316 | 0.7486 | 1.0000 | 838 | tags=23%, list=19%, signal=27% |

| | | | | | | | | | |
|---|---|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| STEIN_ESRRA_TAR GETS_DN | STEIN_ESRRA_TARG ETS_DN | 20 | 0.5594 | 2.3678 | 0.0000 | 0.0004 | 0.0440 | 1346 | tags=80%, list=30%, signal=114% |
| STEIN_ESRRA_TAR GETS_RESPONSIVE _TO_ESTROGEN_D N | STEIN_ESRRA_TARG ETS_RESPONSIVE_TO _ESTROGEN_DN | 19 | 0.5018 | 2.1496 | 0.0000 | 0.0025 | 0.3130 | 1382 | tags=79%, list=31%, signal=114% |
| SU_TESTIS | SU_TESTIS | 22 | 0.3919 | 1.7675 | 0.0163 | 0.0249 | 0.9960 | 410 | tags=36%, list=9%, signal=40% |
| SUNG_METASTASI S_STROMA_UP | SUNG_METASTASIS_ STROMA_UP | 35 | 0.3368 | 1.6808 | 0.0149 | 0.0383 | 1.0000 | 883 | tags=46%, list=20%, signal=57% |
| SWEET_KRAS_ONC OGENIC_SIGNATU RE | SWEET_KRAS_ONCO GENIC_SIGNATURE | 28 | 0.2360 | 1.1349 | 0.3038 | 0.3626 | 1.0000 | 1848 | tags=64%, list=42%, signal=109% |
| SWEET_KRAS_TAR GETS_UP | SWEET_KRAS_TARG ETS_UP | 30 | 0.5382 | 2.7108 | 0.0000 | 0.0000 | 0.0020 | 978 | tags=63%, list=22%, signal=81% |
| SWEET_LUNG_CAN CER_KRAS_UP | SWEET_LUNG_CANC ER_KRAS_UP | 144 | 0.1008 | 0.7674 | 0.9402 | 0.8338 | 1.0000 | 272 | tags=10%, list=6%, signal=10% |
| TAKEDA_TARGETS _OF_NUP98_HOXA9 _FUSION_10D_DN | TAKEDA_TARGETS_ OF_NUP98_HOXA9_F USION_10D_DN | 44 | 0.1146 | 0.6514 | 0.9103 | 0.9348 | 1.0000 | 1003 | tags=30%, list=23%, signal=38% |

| | | | | | | | | | |
|---|---|----|--------|--------|--------|--------|--------|------|---------------------------------------|
| TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_10D_UP | TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_10D_UP | 44 | 0.1936 | 1.1055 | 0.3375 | 0.4004 | 1.0000 | 1056 | tags=39%, list=24%, signal=50% |
| TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_3D_UP | TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_3D_UP | 47 | 0.1302 | 0.7412 | 0.8225 | 0.8620 | 1.0000 | 591 | tags=19%, list=13%, signal=22% |
| TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_6HR_UP | TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_6HR_UP | 25 | 0.2139 | 1.0075 | 0.4389 | 0.5292 | 1.0000 | 796 | tags=32%, list=18%, signal=39% |
| TANAKA_METHYLATED_IN_ESOPHAGEAL_CARCINOMA | TANAKA_METHYLATED_IN_ESOPHAGEAL_CARCINOMA | 19 | 0.2418 | 1.0118 | 0.4328 | 0.5242 | 1.0000 | 1236 | tags=42%, list=28%, signal=58% |
| TANG_SENESCENCE_TP53_TARGETS_DN | TANG_SENESCENCE_TP53_TARGETS_DN | 36 | 0.5779 | 3.0061 | 0.0000 | 0.0000 | 0.0000 | 1046 | tags=78%, list=24%, signal=101% |
| TARTE_PLASMA_CELL_VS_PLASMABLAST_DN | TARTE_PLASMA_CELL_VS_PLASMABLAST_DN | 91 | 0.4143 | 2.7508 | 0.0000 | 0.0000 | 0.0000 | 1192 | tags=62%, list=27%, signal=82% |
| TENEDINI_MEGAKARYOCYTE_MARKERS | TENEDINI_MEGAKARYOCYTE_MARKERS | 19 | 0.3346 | 1.4377 | 0.0879 | 0.1166 | 1.0000 | 1651 | tags=68%, list=37%, signal=109% |
| THEILGAARD_NEUTROPHIL_AT_SKIN_WOUND_DN | THEILGAARD_NEUTROPHIL_AT_SKIN_WOUND_DN | 28 | 0.2719 | 1.3373 | 0.1095 | 0.1730 | 1.0000 | 1548 | tags=61%, list=35%, signal=93% |

| | | | | | | | | | |
|---|--|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| THEILGAARD_NEU TROPIL_AT_SKIN _WOUND_UP | THEILGAARD_NEUT ROPHIL_AT_SKIN_W OUND_UP | 22 | 0.2500 | 1.1250 | 0.2693 | 0.3739 | 1.0000 | 776 | tags=36%, list=17%, signal=44% |
| THUM_SYSTOLIC_ HEART_FAILURE_ UP | THUM_SYSTOLIC_HE ART_FAILURE_UP | 106 | 0.1805 | 1.2905 | 0.0708 | 0.2096 | 1.0000 | 1171 | tags=37%, list=26%, signal=49% |
| TIEN_INTESTINE_P ROBIOTICS_24HR_ DN | TIEN_INTESTINE_PR OBOTICS_24HR_DN | 53 | 0.3067 | 1.7830 | 0.0045 | 0.0230 | 0.9960 | 1954 | tags=75%, list=44%, signal=133% |
| TIEN_INTESTINE_P ROBIOTICS_24HR_ UP | TIEN_INTESTINE_PR OBOTICS_24HR_UP | 133 | 0.2498 | 1.8233 | 0.0000 | 0.0186 | 0.9770 | 1365 | tags=53%, list=31%, signal=74% |
| TIEN_INTESTINE_P ROBIOTICS_2HR_D N | TIEN_INTESTINE_PR OBOTICS_2HR_DN | 19 | 0.2883 | 1.2276 | 0.2184 | 0.2625 | 1.0000 | 1342 | tags=58%, list=30%, signal=83% |
| TIEN_INTESTINE_P ROBIOTICS_6HR_D N | TIEN_INTESTINE_PR OBOTICS_6HR_DN | 29 | 0.3342 | 1.6761 | 0.0143 | 0.0391 | 1.0000 | 998 | tags=45%, list=22%, signal=57% |
| TIEN_INTESTINE_P ROBIOTICS_6HR_U P | TIEN_INTESTINE_PR OBOTICS_6HR_UP | 20 | 0.4664 | 2.0151 | 0.0031 | 0.0057 | 0.6670 | 1966 | tags=90%, list=44%, signal=161% |
| TOMLINS_PROSTA TE_CANCER_DN | TOMLINS_PROSTATE _CANCER_DN | 17 | 0.3742 | 1.5313 | 0.0528 | 0.0767 | 1.0000 | 1420 | tags=71%, list=32%, signal=103% |

| | | | | | | | | | |
|--|--|----|--------|--------|--------|--------|--------|------|--------------------------------------|
| TONKS_TARGETS_OF_RUNX1_RUNX1_T1_FUSION_ERYTHROCYTE_UP | TONKS_TARGETS_OF_RUNX1_RUNX1_T1_FUSION_ERYTHROCYTE_UP | 56 | 0.3888 | 2.3662 | 0.0000 | 0.0004 | 0.0450 | 675 | tags=45%, list=15%, signal=52% |
| TONKS_TARGETS_OF_RUNX1_RUNX1_T1_FUSION_HSC_UP | TONKS_TARGETS_OF_RUNX1_RUNX1_T1_FUSION_HSC_UP | 58 | 0.3644 | 2.2663 | 0.0000 | 0.0010 | 0.1180 | 1267 | tags=57%, list=29%, signal=79% |
| TONKS_TARGETS_OF_RUNX1_RUNX1_T1_FUSION_MONOCYTE_UP | TONKS_TARGETS_OF_RUNX1_RUNX1_T1_FUSION_MONOCYTE_UP | 58 | 0.2401 | 1.4508 | 0.0464 | 0.1103 | 1.0000 | 899 | tags=40%, list=20%, signal=49% |
| TONKS_TARGETS_OF_RUNX1_RUNX1_T1_FUSION_SUSTAINED_IN_ERYTHROCYTE_UP | TONKS_TARGETS_OF_RUNX1_RUNX1_T1_FUSION_SUSTAINED_IN_ERYTHROCYTE_UP | 24 | 0.3839 | 1.7555 | 0.0134 | 0.0265 | 0.9970 | 806 | tags=50%, list=18%, signal=61% |
| TOOKER_GEMCITABINE_RESISTANCE_DN | TOOKER_GEMCITABINE_RESISTANCE_DN | 32 | 0.3069 | 1.6085 | 0.0326 | 0.0535 | 1.0000 | 1515 | tags=63%, list=34%, signal=94% |
| TORCHIA_TARGETS_OF_EWSR1_FLI1_FUSION_DN | TORCHIA_TARGETS_OF_EWSR1_FLI1_FUSION_DN | 90 | 0.1564 | 1.0803 | 0.3087 | 0.4300 | 1.0000 | 526 | tags=21%, list=12%, signal=23% |

| | | | | | | | | | |
|---|---|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| TOYOTA_TARGETS_OF_MIR34B_AND_MIR34C | TOYOTA_TARGETS_OF_MIR34B_AND_MIR34C | 109 | 0.4149 | 2.9563 | 0.0000 | 0.0000 | 0.0000 | 1052 | tags=58%, list=24%, signal=74% |
| TSAI_RESPONSE_TO_IONIZING_RADIATION | TSAI_RESPONSE_TO_IONIZING_RADIATION | 23 | 0.4992 | 2.2629 | 0.0000 | 0.0010 | 0.1200 | 767 | tags=61%, list=17%, signal=73% |
| TSENG_ADIPOGENIC_POTENTIAL_DN | TSENG_ADIPOGENIC_POTENTIAL_DN | 20 | 0.2428 | 1.0434 | 0.3772 | 0.4782 | 1.0000 | 835 | tags=35%, list=19%, signal=43% |
| TSENG_IRS1_TARGETS_UP | TSENG_IRS1_TARGETS_UP | 36 | 0.4864 | 2.5194 | 0.0000 | 0.0001 | 0.0070 | 1113 | tags=67%, list=25%, signal=88% |
| TURASHVILI_BREAST_DUCTAL_CARCINOMA_VS_DUCTAL_NORMAL_DN | TURASHVILI_BREAST_DUCTAL_CARCINOMA_VS_DUCTAL_NORMAL_DN | 64 | 0.2467 | 1.4893 | 0.0234 | 0.0927 | 1.0000 | 983 | tags=39%, list=22%, signal=49% |
| TURASHVILI_BREAST_DUCTAL_CARCINOMA_VS_DUCTAL_NORMAL_UP | TURASHVILI_BREAST_DUCTAL_CARCINOMA_VS_DUCTAL_NORMAL_UP | 19 | 0.7714 | 3.1970 | 0.0000 | 0.0000 | 0.0000 | 454 | tags=74%, list=10%, signal=82% |
| TURASHVILI_BREAST_DUCTAL_CARCINOMA_VS_LOBULAR_NORMAL_DN | TURASHVILI_BREAST_DUCTAL_CARCINOMA_VS_LOBULAR_NORMAL_DN | 19 | 0.3223 | 1.3150 | 0.1246 | 0.1894 | 1.0000 | 1671 | tags=68%, list=38%, signal=109% |

| | | | | | | | | | |
|--|--|----|--------|--------|--------|--------|--------|------|---------------------------------------|
| TURASHVILI_BREAST_DUCTAL_CARCINOMA_VS_LOBULAR_NORMAL_UP | TURASHVILI_BREAST_DUCTAL_CARCINOMA_VS_LOBULAR_NORMAL_UP | 27 | 0.7110 | 3.4256 | 0.0000 | 0.0000 | 0.0000 | 1068 | tags=89%, list=24%, signal=116% |
| TURASHVILI_BREAST_LOBULAR_CARCINOMA_VS_DUCTAL_NORMAL_DN | TURASHVILI_BREAST_LOBULAR_CARCINOMA_VS_DUCTAL_NORMAL_DN | 31 | 0.1464 | 0.7371 | 0.8427 | 0.8648 | 1.0000 | 89 | tags=10%, list=2%, signal=10% |
| TURASHVILI_BREAST_LOBULAR_CARCINOMA_VS_DUCTAL_NORMAL_UP | TURASHVILI_BREAST_LOBULAR_CARCINOMA_VS_DUCTAL_NORMAL_UP | 36 | 0.6396 | 3.2984 | 0.0000 | 0.0000 | 0.0000 | 731 | tags=69%, list=16%, signal=82% |
| TURASHVILI_BREAST_LOBULAR_CARCINOMA_VS_LOBULAR_NORMAL_DN | TURASHVILI_BREAST_LOBULAR_CARCINOMA_VS_LOBULAR_NORMAL_DN | 38 | 0.7310 | 3.8735 | 0.0000 | 0.0000 | 0.0000 | 356 | tags=66%, list=8%, signal=71% |
| UDAYAKUMAR_MED1_TARGETS_DN | UDAYAKUMAR_MED1_TARGETS_DN | 41 | 0.1828 | 0.9929 | 0.4850 | 0.5474 | 1.0000 | 1432 | tags=49%, list=32%, signal=71% |
| VANASSE_BCL2_TARGETS_DN | VANASSE_BCL2_TARGETS_DN | 18 | 0.2573 | 1.0741 | 0.3709 | 0.4381 | 1.0000 | 233 | tags=22%, list=5%, signal=23% |

| | | | | | | | | | |
|--|--|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| VANHARANTA_UTERINE_FIBROID_UP | VANHARANTA_UTERINE_FIBROID_UP | 21 | 0.6018 | 2.5239 | 0.0000 | 0.0001 | 0.0070 | 569 | tags=62%, list=13%, signal=71% |
| VANOEVELEN_MYOGENESIS_SIN3A_TARGETS | VANOEVELEN_MYOGENESIS_SIN3A_TARGETS | 37 | 0.1457 | 0.7825 | 0.7947 | 0.8171 | 1.0000 | 995 | tags=30%, list=22%, signal=38% |
| VANTVEER_BREAST_CANCER_ESR1_DN | VANTVEER_BREAST_CANCER_ESR1_DN | 73 | 0.3636 | 2.2916 | 0.0000 | 0.0008 | 0.0960 | 1467 | tags=66%, list=33%, signal=97% |
| VANTVEER_BREAST_CANCER_METASTASIS_DN | VANTVEER_BREAST_CANCER_METASTASIS_DN | 50 | 0.6016 | 3.4849 | 0.0000 | 0.0000 | 0.0000 | 870 | tags=66%, list=20%, signal=81% |
| VANTVEER_BREAST_CANCER_POOR_PROGNOSIS | VANTVEER_BREAST_CANCER_POOR_PROGNOSIS | 21 | 0.6827 | 3.0344 | 0.0000 | 0.0000 | 0.0000 | 756 | tags=76%, list=17%, signal=91% |
| VART_KSHV_INFECTION_ANGIOGENIC_MARKERS_UP | VART_KSHV_INFECTION_ANGIOGENIC_MARKERS_UP | 55 | 0.2527 | 1.4824 | 0.0410 | 0.0958 | 1.0000 | 457 | tags=27%, list=10%, signal=30% |
| VECCHI_GASTRIC_CANCER_ADVANCED_VS_EARLY_UP | VECCHI_GASTRIC_CANCER_ADVANCED_VS_EARLY_UP | 77 | 0.5941 | 3.8239 | 0.0000 | 0.0000 | 0.0000 | 1209 | tags=78%, list=27%, signal=105% |
| VECCHI_GASTRIC_CANCER_EARLY_UP | VECCHI_GASTRIC_CANCER_EARLY_UP | 154 | 0.5004 | 3.8245 | 0.0000 | 0.0000 | 0.0000 | 1339 | tags=72%, list=30%, signal=100% |

| | | | | | | | | | |
|--|--|----|--------|--------|--------|--------|--------|------|---------------------------------------|
| VERHAAK_AML_W ITH_NPM1_MUTAT ED_DN | VERHAAK_AML_WIT H_NPM1_MUTATED_ DN | 88 | 0.1682 | 1.1081 | 0.3208 | 0.3970 | 1.0000 | 1695 | tags=57%, list=38%, signal=90% |
| VERHAAK_AML_W ITH_NPM1_MUTAT ED_UP | VERHAAK_AML_WIT H_NPM1_MUTATED_ UP | 52 | 0.2178 | 1.2978 | 0.1196 | 0.2036 | 1.0000 | 426 | tags=21%, list=10%, signal=23% |
| VERHAAK_GLIOBL ASTOMA_CLASSIC AL | VERHAAK_GLIOBLA STOMA_CLASSICAL | 26 | 0.2896 | 1.3967 | 0.0858 | 0.1375 | 1.0000 | 1545 | tags=69%, list=35%, signal=106% |
| VERHAAK_GLIOBL ASTOMA_MESENC HYMAL | VERHAAK_GLIOBLA STOMA_MESENCHY MAL | 71 | 0.3249 | 2.1050 | 0.0052 | 0.0033 | 0.4110 | 1504 | tags=59%, list=34%, signal=88% |
| VERHAAK_GLIOBL ASTOMA_PRONEU RAL | VERHAAK_GLIOBLA STOMA_PRONEURAL | 33 | 0.2136 | 1.0791 | 0.3287 | 0.4310 | 1.0000 | 1232 | tags=45%, list=28%, signal=62% |
| VERNELL_RETINO BLASTOMA_PATH WAY_UP | VERNELL_RETINOBL ASTOMA_PATHWAY _UP | 22 | 0.5267 | 2.3678 | 0.0000 | 0.0004 | 0.0440 | 1278 | tags=73%, list=29%, signal=102% |
| VERRECCHIA_DEL AYED_RESPONSE_ TO_TGFB1 | VERRECCHIA_DELA YED_RESPONSE_TO_ TGFB1 | 15 | 0.5606 | 2.1744 | 0.0000 | 0.0021 | 0.2530 | 1103 | tags=73%, list=25%, signal=97% |
| VERRECCHIA_EAR LY_RESPONSE_TO_ TGFB1 | VERRECCHIA_EARL Y_RESPONSE_TO_TG FB1 | 28 | 0.4460 | 2.1390 | 0.0000 | 0.0027 | 0.3320 | 1549 | tags=75%, list=35%, signal=114% |

| | | | | | | | | | |
|--|--|----|--------|--------|--------|--------|--------|------|---------------------------------------|
| VILLANUEVA_LIV ER_CANCER_KRT1 9_UP | VILLANUEVA_LIVER _CANCER_KRT19_UP | 72 | 0.6299 | 4.0830 | 0.0000 | 0.0000 | 0.0000 | 1349 | tags=86%, list=30%, signal=122% |
| WAMUNYOKOLI_O VARIAN_CANCER_ GRADES_1_2_DN | WAMUNYOKOLI_OV ARIAN_CANCER_GR ADES_1_2_DN | 21 | 0.2652 | 1.1551 | 0.2871 | 0.3363 | 1.0000 | 409 | tags=24%, list=9%, signal=26% |
| WAMUNYOKOLI_O VARIAN_CANCER_ GRADES_1_2_UP | WAMUNYOKOLI_OV ARIAN_CANCER_GR ADES_1_2_UP | 44 | 0.2156 | 1.1885 | 0.2008 | 0.3002 | 1.0000 | 363 | tags=18%, list=8%, signal=20% |
| WAMUNYOKOLI_O VARIAN_CANCER_ LMP_DN | WAMUNYOKOLI_OV ARIAN_CANCER_LM P_DN | 48 | 0.2609 | 1.5104 | 0.0402 | 0.0842 | 1.0000 | 1458 | tags=56%, list=33%, signal=83% |
| WAMUNYOKOLI_O VARIAN_CANCER_ LMP_UP | WAMUNYOKOLI_OV ARIAN_CANCER_LM P_UP | 76 | 0.2383 | 1.5630 | 0.0059 | 0.0667 | 1.0000 | 1459 | tags=53%, list=33%, signal=77% |
| WANG_CISPLATIN_ RESPONSE_AND_X PC_DN | WANG_CISPLATIN_R ESPONSE_AND_XPC_ DN | 44 | 0.1651 | 0.9137 | 0.6197 | 0.6503 | 1.0000 | 1275 | tags=48%, list=29%, signal=66% |
| WANG_CISPLATIN_ RESPONSE_AND_X PC_UP | WANG_CISPLATIN_R ESPONSE_AND_XPC_ UP | 66 | 0.2533 | 1.5797 | 0.0052 | 0.0615 | 1.0000 | 806 | tags=38%, list=18%, signal=46% |
| WANG_CLIM2_TAR GETS_DN | WANG_CLIM2_TARG ETS_DN | 31 | 0.3352 | 1.6888 | 0.0109 | 0.0367 | 1.0000 | 722 | tags=42%, list=16%, signal=50% |

| | | | | | | | | | |
|---|---|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| WANG_CLIM2_TAR GETS_UP | WANG_CLIM2_TARG ETS_UP | 48 | 0.1907 | 1.0847 | 0.3571 | 0.4246 | 1.0000 | 1209 | tags=48%, list=27%, signal=65% |
| WANG_ESOPHAGU S_CANCER_VS_NO RMAL_UP | WANG_ESOPHAGUS_ CANCER_VS_NORMA L_UP | 38 | 0.2305 | 1.2339 | 0.1627 | 0.2571 | 1.0000 | 1791 | tags=66%, list=40%, signal=109% |
| WANG_HCP_PROST ATE_CANCER | WANG_HCP_PROSTA TE_CANCER | 24 | 0.1771 | 0.7990 | 0.7459 | 0.8001 | 1.0000 | 1321 | tags=46%, list=30%, signal=65% |
| WANG_LMO4_TAR GETS_UP | WANG_LMO4_TARGE TS_UP | 76 | 0.1605 | 1.0795 | 0.3188 | 0.4308 | 1.0000 | 1143 | tags=37%, list=26%, signal=49% |
| WANG_RESPONSE_ TO_GSK3_INHIBIT OR_SB216763_DN | WANG_RESPONSE_T O_GSK3_INHIBITOR_ SB216763_DN | 104 | 0.3430 | 2.3587 | 0.0000 | 0.0004 | 0.0460 | 1550 | tags=66%, list=35%, signal=100% |
| WANG_SMARCE1_ TARGETS_DN | WANG_SMARCE1_TA RGETS_DN | 90 | 0.2569 | 1.7934 | 0.0000 | 0.0218 | 0.9930 | 1037 | tags=42%, list=23%, signal=54% |
| WANG_SMARCE1_ TARGETS_UP | WANG_SMARCE1_TA RGETS_UP | 117 | 0.3603 | 2.5033 | 0.0000 | 0.0001 | 0.0080 | 698 | tags=38%, list=16%, signal=44% |
| WANG_TUMOR_IN VASIVENESS_DN | WANG_TUMOR_INV ASIVENESS_DN | 41 | 0.3480 | 1.9200 | 0.0000 | 0.0104 | 0.8620 | 1074 | tags=49%, list=24%, signal=64% |

| | | | | | | | | | |
|---|---|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| WANG_TUMOR_IN VASIVENESS_UP | WANG_TUMOR_INV ASIVENESS_UP | 76 | 0.2064 | 1.3440 | 0.1141 | 0.1690 | 1.0000 | 1921 | tags=66%, list=43%, signal=114% |
| WATANABE_RECT AL_CANCER_RADI OTHERAPY_RESPO NSIVE_DN | WATANABE_RECTAL _CANCER_RADIOTHE RAPY_RESPONSIVE_ DN | 30 | 0.5500 | 2.7365 | 0.0000 | 0.0000 | 0.0010 | 1054 | tags=70%, list=24%, signal=91% |
| WATANABE_RECT AL_CANCER_RADI OTHERAPY_RESPO NSIVE_UP | WATANABE_RECTAL _CANCER_RADIOTHE RAPY_RESPONSIVE_ UP | 25 | 0.2357 | 1.1120 | 0.3136 | 0.3916 | 1.0000 | 906 | tags=40%, list=20%, signal=50% |
| WEI_MIR34A_TARG ETS | WEI_MIR34A_TARGE TS | 33 | 0.4331 | 2.2074 | 0.0000 | 0.0016 | 0.1930 | 1026 | tags=61%, list=23%, signal=78% |
| WEI_MYCN_TARGE TS_WITH_E_BOX | WEI_MYCN_TARGET S_WITH_E_BOX | 156 | 0.2385 | 1.7639 | 0.0000 | 0.0253 | 0.9970 | 1070 | tags=44%, list=24%, signal=55% |
| WEIGEL_OXIDATIV E_STRESS_BY_HNE _AND_TBH | WEIGEL_OXIDATIVE _STRESS_BY_HNE_A ND_TBH | 15 | 0.3100 | 1.2036 | 0.2536 | 0.2871 | 1.0000 | 1244 | tags=60%, list=28%, signal=83% |
| WEINMANN_ADAP TATION_TO_HYPO XIA_DN | WEINMANN_ADAPT ATION_TO_HYPOXIA _DN | 15 | 0.4328 | 1.6032 | 0.0318 | 0.0549 | 1.0000 | 194 | tags=33%, list=4%, signal=35% |

| | | | | | | | | | |
|--|--|----|--------|--------|--------|--------|--------|------|---------------------------------------|
| WELCSH_BRCA1_T ARGETS_DN | WELCSH_BRCA1_TA RGETS_DN | 24 | 0.2132 | 0.9727 | 0.4842 | 0.5743 | 1.0000 | 639 | tags=29%, list=14%, signal=34% |
| WELCSH_BRCA1_T ARGETS_UP | WELCSH_BRCA1_TA RGETS_UP | 61 | 0.3280 | 2.0094 | 0.0000 | 0.0060 | 0.6880 | 1143 | tags=48%, list=26%, signal=63% |
| WEST_ADRENOCO RTICAL_TUMOR_U P | WEST_ADRENOCORT ICAL_TUMOR_UP | 86 | 0.3920 | 2.6689 | 0.0000 | 0.0000 | 0.0030 | 1074 | tags=56%, list=24%, signal=72% |
| WESTON_VEGFA_T ARGETS_6HR | WESTON_VEGFA_TA RGETS_6HR | 20 | 0.3605 | 1.5499 | 0.0485 | 0.0711 | 1.0000 | 442 | tags=40%, list=10%, signal=44% |
| WHITEFORD_PEDI ATRIC_CANCER_M ARKERS | WHITEFORD_PEDIAT RIC_CANCER_MARK ERS | 65 | 0.5599 | 3.5350 | 0.0000 | 0.0000 | 0.0000 | 1206 | tags=75%, list=27%, signal=102% |
| WHITFIELD_CELL_ CYCLE_G1_S | WHITFIELD_CELL_C YCLE_G1_S | 37 | 0.5032 | 2.6765 | 0.0000 | 0.0000 | 0.0030 | 1382 | tags=76%, list=31%, signal=109% |
| WHITFIELD_CELL_ CYCLE_G2 | WHITFIELD_CELL_C YCLE_G2 | 50 | 0.5091 | 2.9977 | 0.0000 | 0.0000 | 0.0000 | 1371 | tags=76%, list=31%, signal=109% |
| WHITFIELD_CELL_ CYCLE_G2_M | WHITFIELD_CELL_C YCLE_G2_M | 59 | 0.4433 | 2.6689 | 0.0000 | 0.0000 | 0.0030 | 1122 | tags=68%, list=25%, signal=90% |

| | | | | | | | | | |
|--|--|----|--------|--------|--------|--------|--------|------|---------------------------------------|
| WHITFIELD_CELL_CYCLE_LITERATURE | WHITFIELD_CELL_CYCLE_LITERATURE | 23 | 0.6432 | 2.9184 | 0.0000 | 0.0000 | 0.0000 | 842 | tags=70%, list=19%, signal=85% |
| WHITFIELD_CELL_CYCLE_M_G1 | WHITFIELD_CELL_CYCLE_M_G1 | 29 | 0.3666 | 1.8399 | 0.0035 | 0.0168 | 0.9620 | 1080 | tags=48%, list=24%, signal=63% |
| WHITFIELD_CELL_CYCLE_S | WHITFIELD_CELL_CYCLE_S | 44 | 0.3071 | 1.7320 | 0.0072 | 0.0296 | 0.9990 | 1341 | tags=61%, list=30%, signal=87% |
| WIEDERSCHAIN_TARGETS_OF_BMI1_AND_PCGF2 | WIEDERSCHAIN_TARGETS_OF_BMI1_AND_PCGF2 | 21 | 0.4952 | 2.2419 | 0.0031 | 0.0012 | 0.1450 | 1082 | tags=67%, list=24%, signal=88% |
| WIELAND_UP_BY_HBV_INFECTION | WIELAND_UP_BY_HBV_INFECTION | 26 | 0.3594 | 1.6943 | 0.0103 | 0.0358 | 1.0000 | 1950 | tags=85%, list=44%, signal=150% |
| WIERENGA_STAT5A_TARGETS_DN | WIERENGA_STAT5A_TARGETS_DN | 47 | 0.1640 | 0.9218 | 0.6062 | 0.6406 | 1.0000 | 925 | tags=32%, list=21%, signal=40% |
| WIERENGA_STAT5A_TARGETS_GROUP1 | WIERENGA_STAT5A_TARGETS_GROUP1 | 31 | 0.2205 | 1.0919 | 0.3173 | 0.4166 | 1.0000 | 830 | tags=32%, list=19%, signal=39% |
| WIERENGA_STAT5A_TARGETS_UP | WIERENGA_STAT5A_TARGETS_UP | 52 | 0.2458 | 1.4308 | 0.0503 | 0.1187 | 1.0000 | 830 | tags=35%, list=19%, signal=42% |

| | | | | | | | | | |
|---|---|----|--------|--------|--------|--------|--------|------|---------------------------------------|
| WILCOX_RESPONS E_TO_PROGESTER ONE_DN | WILCOX_RESPONSE_ TO_PROGESTERONE_ DN | 26 | 0.4060 | 1.9213 | 0.0000 | 0.0103 | 0.8600 | 1056 | tags=58%, list=24%, signal=75% |
| WILCOX_RESPONS E_TO_PROGESTER ONE_UP | WILCOX_RESPONSE_ TO_PROGESTERONE_ UP | 61 | 0.2316 | 1.4326 | 0.0192 | 0.1179 | 1.0000 | 327 | tags=20%, list=7%, signal=21% |
| WINNEPENNINCKX _MELANOMA_MET ASTASIS_UP | WINNEPENNINCKX_ MELANOMA_METAS TASIS_UP | 54 | 0.6480 | 3.9968 | 0.0000 | 0.0000 | 0.0000 | 1360 | tags=91%, list=31%, signal=129% |
| WINTER_HYPOXIA _UP | WINTER_HYPOXIA_U P | 32 | 0.2441 | 1.2382 | 0.1731 | 0.2534 | 1.0000 | 1935 | tags=78%, list=44%, signal=138% |
| WINZEN_DEGRADE D_VIA_KHSRP | WINZEN_DEGRADED _VIA_KHSRP | 23 | 0.2267 | 1.0025 | 0.4823 | 0.5349 | 1.0000 | 1209 | tags=43%, list=27%, signal=59% |
| WNT_SIGNALING | WNT_SIGNALING | 17 | 0.4291 | 1.7500 | 0.0088 | 0.0272 | 0.9970 | 1018 | tags=53%, list=23%, signal=68% |
| WONG_EMBRYONI C_STEM_CELL_CO RE | WONG_EMBRYONIC_ STEM_CELL_CORE | 95 | 0.3571 | 2.4788 | 0.0000 | 0.0001 | 0.0090 | 1148 | tags=53%, list=26%, signal=69% |
| WOO_LIVER_CANC ER_RECURRENCE_ UP | WOO_LIVER_CANCE R_RECURRENCE_UP | 55 | 0.6095 | 3.6221 | 0.0000 | 0.0000 | 0.0000 | 1338 | tags=84%, list=30%, signal=118% |

| | | | | | | | | | |
|---|---|----|--------|--------|--------|--------|--------|------|--|
| WOOD_EBV_EBNA1_TARGETS_UP | WOOD_EBV_EBNA1_TARGETS_UP | 25 | 0.2283 | 1.0707 | 0.3600 | 0.4426 | 1.0000 | 900 | tags=40%, list=20%, signal=50% |
| WP_ACUTE_VIRAL_MYOCARDITIS | WP_ACUTE_VIRAL_MYOCARDITIS | 18 | 0.3322 | 1.3396 | 0.1595 | 0.1715 | 1.0000 | 2968 | tags=100%, list=67%, signal=301% |
| WP_ALZHEIMERS_DISEASE | WP_ALZHEIMERS_DISEASE | 45 | 0.2847 | 1.5951 | 0.0161 | 0.0571 | 1.0000 | 1529 | tags=56%, list=34%, signal=84% |
| WP_ALZHEIMERS_DISEASE_AND_MIRNA_EFFECTS | WP_ALZHEIMERS_DISEASE_AND_MIRNA_EFFECTS | 45 | 0.2847 | 1.5722 | 0.0418 | 0.0638 | 1.0000 | 1529 | tags=56%, list=34%, signal=84% |
| WP_ANDROGEN_RECEPTOR_SIGNALING_PATHWAY | WP_ANDROGEN_RECEPTOR_SIGNALING_PATHWAY | 15 | 0.4017 | 1.5554 | 0.0495 | 0.0694 | 1.0000 | 567 | tags=47%, list=13%, signal=53% |
| WP_APOPTOSIS_MODULATION_AND_SIGNALING | WP_APOPTOSIS_MODULATION_AND_SIGNALING | 17 | 0.3267 | 1.2971 | 0.1830 | 0.2040 | 1.0000 | 673 | tags=35%, list=15%, signal=41% |
| WP_APOPTOSISRELATED_NETWORK_DUE_TO_ALTERED_NOTCH3_IN_OVARIAN_CANCER | WP_APOPTOSISRELATED_NETWORK_DUE_TO_ALTERED_NOTCH3_IN_OVARIAN_CANCER | 15 | 0.3617 | 1.4036 | 0.1082 | 0.1336 | 1.0000 | 1618 | tags=73%, list=36%, signal=115% |

| | | | | | | | | | |
|--|--|----|--------|--------|--------|--------|--------|------|---------------------------------------|
| WP_ARRHYTHMOGENIC_RIGHT_VENTRICULAR_CARDIOMYOPATHY | WP_ARRHYTHMOGENIC_RIGHT_VENTRICULAR_CARDIOMYOPATHY | 27 | 0.4254 | 2.0626 | 0.0000 | 0.0043 | 0.5360 | 1701 | tags=74%, list=38%, signal=119% |
| WP_BRAINERIVED_NEUROTROPHIC_FACTOR_BDNF_SIGNALLING_PATHWAY | WP_BRAINERIVED_NEUROTROPHIC_FACTOR_BDNF_SIGNALLING_PATHWAY | 29 | 0.1930 | 0.9450 | 0.5444 | 0.6114 | 1.0000 | 70 | tags=10%, list=2%, signal=10% |
| WP_BREAST_CANCER_PATHWAY | WP_BREAST_CANCER_PATHWAY | 28 | 0.2686 | 1.3360 | 0.0979 | 0.1739 | 1.0000 | 1428 | tags=57%, list=32%, signal=84% |
| WP_BURN_WOUND_HEALING | WP_BURN_WOUND_HEALING | 35 | 0.3875 | 2.0573 | 0.0000 | 0.0045 | 0.5490 | 1578 | tags=69%, list=36%, signal=106% |
| WP_CELL_CYCLE | WP_CELL_CYCLE | 37 | 0.4813 | 2.5854 | 0.0000 | 0.0001 | 0.0040 | 1125 | tags=62%, list=25%, signal=83% |
| WP_CILIARY_LANDSCAPE | WP_CILIARY_LANDSCAPE | 37 | 0.3015 | 1.6137 | 0.0408 | 0.0524 | 1.0000 | 1165 | tags=51%, list=26%, signal=69% |
| WP_CILIOPATHIES | WP_CILIOPATHIES | 32 | 0.4257 | 2.2361 | 0.0000 | 0.0013 | 0.1530 | 1315 | tags=66%, list=30%, signal=93% |

| | | | | | | | | | |
|---|---|----|--------|--------|--------|--------|--------|------|--|
| WP_CYTOPLASMIC_RIBOSOMAL_PROTEINS | WP_CYTOPLASMIC_RIBOSOMAL_PROTEINS | 39 | 0.5143 | 2.7864 | 0.0000 | 0.0000 | 0.0000 | 2174 | tags=100%, list=49%, signal=194% |
| WP_DEVELOPMENT_OF_URETERIC_COLLECTION_SYSTEM | WP_DEVELOPMENT_OF_URETERIC_COLLECTION_SYSTEM | 20 | 0.2556 | 1.1010 | 0.3344 | 0.4055 | 1.0000 | 1819 | tags=75%, list=41%, signal=127% |
| WP_DNA_DAMAGE_RESPONSE | WP_DNA_DAMAGE_RESPONSE | 16 | 0.5353 | 2.0917 | 0.0033 | 0.0036 | 0.4530 | 682 | tags=56%, list=15%, signal=66% |
| WP_DNA_IRDAMAGE_AND_CELLULAR_RESPONSE_VIA_ATR | WP_DNA_IRDAMAGE_AND_CELLULAR_RESPONSE_VIA_ATR | 17 | 0.5744 | 2.2450 | 0.0000 | 0.0012 | 0.1420 | 1035 | tags=71%, list=23%, signal=92% |
| WP_DNA_REPAIR_PATHWAYS_FULL_NETWORK | WP_DNA_REPAIR_PATHWAYS_FULL_NETWORK | 17 | 0.5616 | 2.3471 | 0.0000 | 0.0005 | 0.0540 | 1078 | tags=76%, list=24%, signal=101% |
| WP_ECTODERM_DIFFERENTIATION | WP_ECTODERM_DIFFERENTIATION | 29 | 0.2051 | 1.0200 | 0.4604 | 0.5125 | 1.0000 | 160 | tags=14%, list=4%, signal=14% |
| WP_EGFEGFR_SIGNALING_PATHWAY | WP_EGFEGFR_SIGNALING_PATHWAY | 31 | 0.3159 | 1.6017 | 0.0189 | 0.0553 | 1.0000 | 906 | tags=42%, list=20%, signal=52% |

| | | | | | | | | | |
|--|--|----|--------|--------|--------|--------|--------|------|---------------------------------------|
| WP_EGFR_TYROSINE_KINASE_INHIBITOR_RESISTANCE | WP_EGFR_TYROSINE_KINASE_INHIBITOR_RESISTANCE | 16 | 0.2942 | 1.1627 | 0.2555 | 0.3283 | 1.0000 | 516 | tags=31%, list=12%, signal=35% |
| WP_EMBRYONIC_STEM_CELL_PLURIPOTENCY_PATHWAYS | WP_EMBRYONIC_STEM_CELL_PLURIPOTENCY_PATHWAYS | 17 | 0.2735 | 1.1271 | 0.3040 | 0.3719 | 1.0000 | 1610 | tags=65%, list=36%, signal=101% |
| WP_ENDOCHONDRAL_OSSIFICATION | WP_ENDOCHONDRAL_OSSIFICATION | 26 | 0.3658 | 1.7150 | 0.0260 | 0.0324 | 0.9990 | 133 | tags=27%, list=3%, signal=28% |
| WP_ENDOCHONDRAL_OSSIFICATION_WITH_SKELETAL_DYSPLASIAS | WP_ENDOCHONDRAL_OSSIFICATION_WITH_SKELETAL_DYSPLASIAS | 26 | 0.3658 | 1.7309 | 0.0135 | 0.0297 | 0.9990 | 133 | tags=27%, list=3%, signal=28% |
| WP_ENDODERM_DIFFERENTIATION | WP_ENDODERM_DIFFERENTIATION | 22 | 0.4049 | 1.7795 | 0.0189 | 0.0234 | 0.9960 | 1938 | tags=77%, list=44%, signal=137% |
| WP_EPITHELIAL_TO_MESENCHYMAL_TRANSITION_IN_COLORECTAL_CANCER | WP_EPITHELIAL_TO_MESENCHYMAL_TRANSITION_IN_COLORECTAL_CANCER | 28 | 0.5421 | 2.6400 | 0.0000 | 0.0000 | 0.0030 | 850 | tags=64%, list=19%, signal=79% |
| WP_FOCAL_ADHESION | WP_FOCAL_ADHESION | 66 | 0.4720 | 3.0616 | 0.0000 | 0.0000 | 0.0000 | 383 | tags=39%, list=9%, signal=42% |

| | | | | | | | | | |
|--|--|----|--------|--------|--------|--------|--------|------|---------------------------------------|
| WP_FOCAL_ADHESION_PI3KAKTMTORSIGNALING_PATHWAY | WP_FOCAL_ADHESION_PI3KAKTMTORSIGNALING_PATHWAY | 83 | 0.3211 | 2.1567 | 0.0000 | 0.0024 | 0.2960 | 383 | tags=29%, list=9%, signal=31% |
| WP_G1_TO_S_CELL_CYCLE_CONTROL | WP_G1_TO_S_CELL_CYCLE_CONTROL | 19 | 0.4626 | 1.9642 | 0.0029 | 0.0078 | 0.7860 | 1144 | tags=63%, list=26%, signal=85% |
| WP_GASTRIN_SIGNALING_PATHWAY | WP_GASTRIN_SIGNALING_PATHWAY | 17 | 0.4338 | 1.6717 | 0.0284 | 0.0400 | 1.0000 | 975 | tags=53%, list=22%, signal=68% |
| WP_GENES_CONROLLING_NEPHROGENESIS | WP_GENES_CONROLLING_NEPHROGENESIS | 15 | 0.3618 | 1.3758 | 0.1306 | 0.1487 | 1.0000 | 1714 | tags=80%, list=39%, signal=130% |
| WP_GENES_RELATED_TO_PRIMARY_CILIUM_DEVELOPMENT_BASED_ON_CRISPR | WP_GENES_RELATED_TO_PRIMARY_CILIUM_DEVELOPMENT_BASED_ON_CRISPR | 21 | 0.5269 | 2.3541 | 0.0000 | 0.0005 | 0.0520 | 1249 | tags=76%, list=28%, signal=106% |
| WP_HAIR_FOLLICLE_DEVELOPMENT_CYTODIFFERENTIATION_PART_3_OF_3 | WP_HAIR_FOLLICLE_DEVELOPMENT_CYTODIFFERENTIATION_PART_3_OF_3 | 19 | 0.4050 | 1.6814 | 0.0301 | 0.0383 | 1.0000 | 1018 | tags=53%, list=23%, signal=68% |
| WP_HEPATITIS_B_INFECTIION | WP_HEPATITIS_B_INFECTIION | 21 | 0.2742 | 1.1883 | 0.2324 | 0.2999 | 1.0000 | 1561 | tags=62%, list=35%, signal=95% |

| | | | | | | | | | |
|--|--|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| WP_HIPPOMERLIN_SIGNALING_DYSREGULATION | WP_HIPPOMERLIN_SIGNALING_DYSREGULATION | 34 | 0.2411 | 1.2024 | 0.2071 | 0.2874 | 1.0000 | 975 | tags=41%, list=22%, signal=52% |
| WP_IL18_SIGNALING_PATHWAY | WP_IL18_SIGNALING_PATHWAY | 63 | 0.1544 | 1.0054 | 0.4809 | 0.5314 | 1.0000 | 307 | tags=14%, list=7%, signal=15% |
| WP_INSULIN_SIGNALING | WP_INSULIN_SIGNALING | 25 | 0.2645 | 1.2615 | 0.1792 | 0.2335 | 1.0000 | 1131 | tags=52%, list=25%, signal=69% |
| WP_INTEGRIN_MEDIATED_CELL_ADHESION | WP_INTEGRIN_MEDIATED_CELL_ADHESION | 29 | 0.4798 | 2.2975 | 0.0000 | 0.0008 | 0.0900 | 1549 | tags=72%, list=35%, signal=111% |
| WP_JOUBERT_SYNDROME | WP_JOUBERT_SYNDROME | 15 | 0.4005 | 1.5723 | 0.0341 | 0.0639 | 1.0000 | 1263 | tags=67%, list=28%, signal=93% |
| WP_LNCRNA_IN_CANCER | WP_LNCRNA_IN_CANCER | 22 | 0.4228 | 1.9082 | 0.0032 | 0.0112 | 0.8860 | 1028 | tags=59%, list=23%, signal=77% |
| WP_MALIGNANT_PLEURAL_MESOTHELIOMA | WP_MALIGNANT_PLEURAL_MESOTHELIOMA | 103 | 0.3687 | 2.5163 | 0.0000 | 0.0001 | 0.0070 | 1148 | tags=55%, list=26%, signal=73% |

| | | | | | | | | | |
|---|---|----|--------|--------|--------|--------|--------|------|---------------------------------------|
| WP_MAPK_SIGNALING_PATHWAY | WP_MAPK_SIGNALING_PATHWAY | 36 | 0.2693 | 1.4536 | 0.0575 | 0.1092 | 1.0000 | 2749 | tags=92%, list=62%, signal=239% |
| WP_MECHANOREGULATION_AND_PATHOLOGY_OF_YAP_TAZ_VIA_HIPPO_AND_NONHIPPO_MECHANISMS | WP_MECHANOREGULATION_AND_PATHOLOGY_OF_YAP_TAZ_VIA_HIPPO_AND_NONHIPPO_MECHANISMS | 19 | 0.4750 | 1.9947 | 0.0000 | 0.0065 | 0.7150 | 1549 | tags=74%, list=35%, signal=113% |
| WP_MESODERMAL_COMMITMENT_PATHWAY | WP_MESODERMAL_COMMITMENT_PATHWAY | 26 | 0.3665 | 1.7489 | 0.0103 | 0.0274 | 0.9970 | 1646 | tags=65%, list=37%, signal=103% |
| WP_METABOLIC_REPROGRAMMING_IN_COLON_CANCER | WP_METABOLIC_REPROGRAMMING_IN_COLON_CANCER | 17 | 0.2367 | 0.9759 | 0.5046 | 0.5696 | 1.0000 | 53 | tags=12%, list=1%, signal=12% |
| WP_MICROTUBULE_CYTOSKELETON_REGULATION | WP_MICROTUBULE_CYTOSKELETON_REGULATION | 18 | 0.4321 | 1.8010 | 0.0158 | 0.0209 | 0.9870 | 1027 | tags=61%, list=23%, signal=79% |
| WP_MIRNA_REGULATION_OF_DNA_DAMAGE_RESPONSE | WP_MIRNA_REGULATION_OF_DNA_DAMAGE_RESPONSE | 17 | 0.5097 | 2.1357 | 0.0032 | 0.0028 | 0.3430 | 682 | tags=53%, list=15%, signal=62% |

| | | | | | | | | | |
|---|---|----|--------|--------|--------|--------|--------|------|---------------------------------------|
| WP_MIRNA_TARGETS_IN_ECM_AND_MEMBRANE_RECEPTORS | WP_MIRNA_TARGETS_IN_ECM_AND_MEMBRANE_RECEPTORS | 16 | 0.6477 | 2.5741 | 0.0000 | 0.0001 | 0.0040 | 293 | tags=56%, list=7%, signal=60% |
| WP_NCRNAS_INVOLVED_IN_WNT_SIGNALING_IN_HEPATOCELLULAR_CARCINOMA | WP_NCRNAS_INVOLVED_IN_WNT_SIGNALING_IN_HEPATOCELLULAR_CARCINOMA | 20 | 0.4373 | 1.8991 | 0.0091 | 0.0117 | 0.8990 | 1028 | tags=60%, list=23%, signal=78% |
| WP_NEPHROTIC_SYNDROME | WP_NEPHROTIC_SYNDROME | 15 | 0.3762 | 1.4729 | 0.0689 | 0.0999 | 1.0000 | 1807 | tags=80%, list=41%, signal=135% |
| WP_OREXIN_RECEPTOR_PATHWAY | WP_OREXIN_RECEPTOR_PATHWAY | 38 | 0.2463 | 1.3041 | 0.1434 | 0.1981 | 1.0000 | 1013 | tags=34%, list=23%, signal=44% |
| WP_OSTEOBLAST_DIFFERENTIATION_AND_RELATED_DISEASES | WP_OSTEOBLAST_DIFFERENTIATION_AND_RELATED_DISEASES | 21 | 0.5035 | 2.2253 | 0.0000 | 0.0013 | 0.1620 | 1428 | tags=76%, list=32%, signal=112% |
| WP_P53_TRANSCRIPTIONAL_GENE_NETWORK | WP_P53_TRANSCRIPTIONAL_GENE_NETWORK | 20 | 0.1860 | 0.7976 | 0.7224 | 0.8008 | 1.0000 | 1056 | tags=40%, list=24%, signal=52% |
| WP_PANCREATIC_ADENOCARCINOMA_PATHWAY | WP_PANCREATIC_ADENOCARCINOMA_PATHWAY | 17 | 0.2207 | 0.9035 | 0.5670 | 0.6659 | 1.0000 | 1871 | tags=65%, list=42%, signal=111% |

| | | | | | | | | | |
|---|---|----|--------|--------|--------|--------|--------|------|---------------------------------------|
| WP_PARKINUBIQUITIN_PROTEASOMAL_SYSTEM_PATHWAY | WP_PARKINUBIQUITIN_PROTEASOMAL_SYSTEM_PATHWAY | 15 | 0.3580 | 1.4015 | 0.0929 | 0.1346 | 1.0000 | 1920 | tags=73%, list=43%, signal=129% |
| WP_PATHOGENIC_ESCHERICHIA_COLI_INFECTION | WP_PATHOGENIC_ESCHERICHIA_COLI_INFECTION | 21 | 0.3671 | 1.6188 | 0.0395 | 0.0515 | 1.0000 | 1966 | tags=76%, list=44%, signal=136% |
| WP_PHYSICOCHEMICAL_FEATURES_AND_TOXICITYASSOCIATED_PATHWAYS | WP_PHYSICOCHEMICAL_FEATURES_AND_TOXICITYASSOCIATED_PATHWAYS | 16 | 0.2706 | 1.0888 | 0.3344 | 0.4195 | 1.0000 | 1202 | tags=44%, list=27%, signal=60% |
| WP_PI3KAKT_SIGNALING_PATHWAY | WP_PI3KAKT_SIGNALING_PATHWAY | 86 | 0.3174 | 2.0993 | 0.0000 | 0.0034 | 0.4290 | 457 | tags=30%, list=10%, signal=33% |
| WP_PRIMARY_FOCAL_SEGMENTAL_GLOMERULOSCLEROSIS_FSGS | WP_PRIMARY_FOCAL_SEGMENTAL_GLOMERULOSCLEROSIS_FSGS | 25 | 0.3754 | 1.7815 | 0.0099 | 0.0232 | 0.9960 | 1080 | tags=52%, list=24%, signal=68% |
| WP_PROSTAGLANDIN_SYNTHESIS_AND_REGULATION | WP_PROSTAGLANDIN_SYNTHESIS_AND_REGULATION | 19 | 0.3566 | 1.4990 | 0.0634 | 0.0887 | 1.0000 | 1174 | tags=53%, list=26%, signal=71% |
| WP_RAC1PAK1P38MMP2_PATHWAY | WP_RAC1PAK1P38MMP2_PATHWAY | 17 | 0.3401 | 1.3926 | 0.1138 | 0.1397 | 1.0000 | 975 | tags=47%, list=22%, signal=60% |

| | | | | | | | | | |
|---|---|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| WP_REGULATION_OF_ACTIN_CYTOSKELETON | WP_REGULATION_OF_ACTIN_CYTOSKELETON | 32 | 0.2118 | 1.0577 | 0.3846 | 0.4620 | 1.0000 | 1734 | tags=63%, list=39%, signal=102% |
| WP_RETINOBLASTOMA_GENE_IN_CANCER | WP_RETINOBLASTOMA_GENE_IN_CANCER | 35 | 0.5765 | 3.0062 | 0.0000 | 0.0000 | 0.0000 | 1382 | tags=83%, list=31%, signal=119% |
| WP_SMALL_CELL_LUNG_CANCER | WP_SMALL_CELL_LUNG_CANCER | 26 | 0.5419 | 2.5385 | 0.0000 | 0.0001 | 0.0070 | 1125 | tags=69%, list=25%, signal=92% |
| WP_SPINAL_CORD_INJURY | WP_SPINAL_CORD_INJURY | 37 | 0.3409 | 1.7974 | 0.0000 | 0.0212 | 0.9900 | 1143 | tags=49%, list=26%, signal=65% |
| WP_TGFBETA_SIGNALING_PATHWAY | WP_TGFBETA_SIGNALING_PATHWAY | 22 | 0.4456 | 1.9839 | 0.0031 | 0.0069 | 0.7390 | 537 | tags=41%, list=12%, signal=46% |
| WP_VEGFAVEGFR2_SIGNALING_PATHWAY | WP_VEGFAVEGFR2_SIGNALING_PATHWAY | 106 | 0.1278 | 0.8743 | 0.7234 | 0.7100 | 1.0000 | 1915 | tags=59%, list=43%, signal=102% |
| WP_WNT_SIGNALING | WP_WNT_SIGNALING | 26 | 0.3240 | 1.5511 | 0.0258 | 0.0709 | 1.0000 | 1044 | tags=50%, list=24%, signal=65% |
| WP_WNT_SIGNALING_PATHWAY_AND_PLURIPOTENCY | WP_WNT_SIGNALING_PATHWAY_AND_PLURIPOTENCY | 23 | 0.4066 | 1.8328 | 0.0036 | 0.0174 | 0.9720 | 1022 | tags=57%, list=23%, signal=73% |

| | | | | | | | | | |
|-------------------------------------|-------------------------------------|-----|--------|--------|--------|--------|--------|------|---------------------------------------|
| WU_APOPTOSIS_BY_CDKN1A_VIA_TP53 | WU_APOPTOSIS_BY_CDKN1A_VIA_TP53 | 28 | 0.6826 | 3.3294 | 0.0000 | 0.0000 | 0.0000 | 1088 | tags=86%, list=25%, signal=113% |
| WU_CELL_MIGRATION | WU_CELL_MIGRATION | 73 | 0.4030 | 2.6366 | 0.0000 | 0.0000 | 0.0030 | 1117 | tags=53%, list=25%, signal=70% |
| XIE_ST_HSC_S1PR3_OE_UP | XIE_ST_HSC_S1PR3_OE_UP | 40 | 0.2697 | 1.5197 | 0.0522 | 0.0807 | 1.0000 | 1498 | tags=58%, list=34%, signal=86% |
| XU_GH1_AUTOCRINE_TARGETS_DN | XU_GH1_AUTOCRINE_TARGETS_DN | 37 | 0.3793 | 1.9954 | 0.0000 | 0.0065 | 0.7120 | 1151 | tags=54%, list=26%, signal=72% |
| YAGI_AML_FAB_MARKERS | YAGI_AML_FAB_MARKERS | 57 | 0.2668 | 1.6142 | 0.0142 | 0.0523 | 1.0000 | 1080 | tags=47%, list=24%, signal=62% |
| YAGI_AML_SURVIVAL | YAGI_AML_SURVIVAL | 25 | 0.2591 | 1.2161 | 0.2174 | 0.2745 | 1.0000 | 1189 | tags=52%, list=27%, signal=71% |
| YAGI_AML_WITH_INV_16_TRANSLOCATION | YAGI_AML_WITH_INV_16_TRANSLOCATION | 101 | 0.1514 | 1.0523 | 0.3696 | 0.4682 | 1.0000 | 727 | tags=23%, list=16%, signal=27% |
| YAMASHITA_LIVER_CANCER_STEM_CELL_UP | YAMASHITA_LIVER_CANCER_STEM_CELL_UP | 24 | 0.2831 | 1.3407 | 0.1310 | 0.1710 | 1.0000 | 545 | tags=33%, list=12%, signal=38% |

| | | | | | | | | | |
|--|--|----|--------|--------|--------|--------|--------|------|---------------------------------------|
| YAMASHITA_LIVE R_CANCER_WITH_ EPCAM_UP | YAMASHITA_LIVER_ CANCER_WITH_EPC AM_UP | 17 | 0.2523 | 1.0382 | 0.4164 | 0.4852 | 1.0000 | 2136 | tags=82%, list=48%, signal=158% |
| YAMASHITA_MET HYLATED_IN_PRO STATE_CANCER | YAMASHITA_METHY LATED_IN_PROSTAT E_CANCER | 21 | 0.2420 | 1.0467 | 0.3686 | 0.4744 | 1.0000 | 1401 | tags=57%, list=32%, signal=83% |
| YAMAZAKI_TCEB3 _TARGETS_DN | YAMAZAKI_TCEB3_T ARGETS_DN | 60 | 0.3122 | 1.8788 | 0.0000 | 0.0133 | 0.9250 | 685 | tags=35%, list=15%, signal=41% |
| YAMAZAKI_TCEB3 _TARGETS_UP | YAMAZAKI_TCEB3_T ARGETS_UP | 59 | 0.1970 | 1.1993 | 0.1884 | 0.2893 | 1.0000 | 1542 | tags=56%, list=35%, signal=85% |
| YAO_TEMPORAL_R ESPONSE_TO_PRO GESTERONE_CLUS TER_13 | YAO_TEMPORAL_RE SPONSE_TO_PROGES TERONE_CLUSTER_1 3 | 25 | 0.2887 | 1.3356 | 0.1472 | 0.1740 | 1.0000 | 1283 | tags=56%, list=29%, signal=78% |
| YAO_TEMPORAL_R ESPONSE_TO_PRO GESTERONE_CLUS TER_14 | YAO_TEMPORAL_RE SPONSE_TO_PROGES TERONE_CLUSTER_1 4 | 35 | 0.3222 | 1.6885 | 0.0122 | 0.0367 | 1.0000 | 1365 | tags=60%, list=31%, signal=86% |
| YAO_TEMPORAL_R ESPONSE_TO_PRO GESTERONE_CLUS TER_15 | YAO_TEMPORAL_RE SPONSE_TO_PROGES TERONE_CLUSTER_1 5 | 15 | 0.4411 | 1.6805 | 0.0201 | 0.0383 | 1.0000 | 1067 | tags=67%, list=24%, signal=87% |

| | | | | | | | | | |
|--|--|----|--------|--------|--------|--------|--------|------|---------------------------------------|
| YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_16 | YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_16 | 34 | 0.3912 | 2.0005 | 0.0000 | 0.0063 | 0.7030 | 302 | tags=32%, list=7%, signal=34% |
| YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_17 | YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_17 | 31 | 0.2383 | 1.2028 | 0.1897 | 0.2872 | 1.0000 | 654 | tags=29%, list=15%, signal=34% |
| YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_6 | YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_6 | 24 | 0.3989 | 1.7988 | 0.0184 | 0.0212 | 0.9870 | 728 | tags=46%, list=16%, signal=55% |
| YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_9 | YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_9 | 18 | 0.3227 | 1.3168 | 0.1543 | 0.1883 | 1.0000 | 1151 | tags=50%, list=26%, signal=67% |
| YU_MYC_TARGETS_UP | YU_MYC_TARGETS_UP | 18 | 0.6366 | 2.5961 | 0.0000 | 0.0001 | 0.0040 | 1339 | tags=89%, list=30%, signal=127% |
| ZAMORA_NOS2_TARGETS_UP | ZAMORA_NOS2_TARGETS_UP | 16 | 0.4303 | 1.6955 | 0.0208 | 0.0356 | 1.0000 | 1515 | tags=75%, list=34%, signal=113% |
| ZHAN_MULTIPLE_MYELOMA_MS_UP | ZHAN_MULTIPLE_MYELOMA_MS_UP | 16 | 0.2134 | 0.8241 | 0.6782 | 0.7707 | 1.0000 | 344 | tags=19%, list=8%, signal=20% |

| | | | | | | | | | |
|--|--|----|--------|--------|--------|--------|--------|------|---------------------------------------|
| ZHAN_MULTIPLE_MYELOMA_PR_UP | ZHAN_MULTIPLE_MYELOMA_PR_UP | 32 | 0.6526 | 3.3149 | 0.0000 | 0.0000 | 0.0000 | 1165 | tags=84%, list=26%, signal=114% |
| ZHANG_BREAST_CANCER_PROGENITORS_DN | ZHANG_BREAST_CANCER_PROGENITORS_DN | 21 | 0.3480 | 1.5210 | 0.0652 | 0.0805 | 1.0000 | 1721 | tags=76%, list=39%, signal=124% |
| ZHANG_BREAST_CANCER_PROGENITORS_UP | ZHANG_BREAST_CANCER_PROGENITORS_UP | 95 | 0.3889 | 2.6944 | 0.0000 | 0.0000 | 0.0020 | 635 | tags=41%, list=14%, signal=47% |
| ZHANG_PROLIFERATING_VS_QUIESCENT | ZHANG_PROLIFERATING_VS_QUIESCENT | 18 | 0.3407 | 1.3896 | 0.0762 | 0.1415 | 1.0000 | 781 | tags=44%, list=18%, signal=54% |
| ZHANG_RESPONSE_TO_IKK_INHIBITOR_AND_TNF_DN | ZHANG_RESPONSE_TO_IKK_INHIBITOR_AND_TNF_DN | 27 | 0.2393 | 1.1699 | 0.2204 | 0.3203 | 1.0000 | 1165 | tags=44%, list=26%, signal=60% |
| ZHANG_RESPONSE_TO_IKK_INHIBITOR_AND_TNF_UP | ZHANG_RESPONSE_TO_IKK_INHIBITOR_AND_TNF_UP | 44 | 0.3014 | 1.6747 | 0.0000 | 0.0393 | 1.0000 | 1561 | tags=64%, list=35%, signal=97% |
| ZHENG_BOUND_BY_FOXP3 | ZHENG_BOUND_BY_FOXP3 | 79 | 0.1838 | 1.1950 | 0.1645 | 0.2938 | 1.0000 | 1282 | tags=42%, list=29%, signal=58% |
| ZHENG_FOXP3_TARGETS_IN_THYMUS_UP | ZHENG_FOXP3_TARGETS_IN_THYMUS_UP | 18 | 0.2558 | 1.0851 | 0.3446 | 0.4243 | 1.0000 | 1267 | tags=50%, list=29%, signal=70% |

| | | | | | | | | | |
|---|---|-----|--------|--------|--------|--------|--------|------|--|
| ZHENG_GLIOBLAS TOMA_PLASTICITY _DN | ZHENG_GLIOBLASTO MA_PLASTICITY_DN | 21 | 0.2819 | 1.2338 | 0.1987 | 0.2569 | 1.0000 | 1323 | tags=52%, list=30%, signal=74% |
| ZHENG_GLIOBLAS TOMA_PLASTICITY _UP | ZHENG_GLIOBLASTO MA_PLASTICITY_UP | 109 | 0.4082 | 2.9289 | 0.0000 | 0.0000 | 0.0000 | 1122 | tags=59%, list=25%, signal=77% |
| ZHONG_RESPONSE _TO_AZACITIDINE_ AND_TSA_UP | ZHONG_RESPONSE_T O_AZACITIDINE_AN D_TSA_UP | 46 | 0.1788 | 1.0208 | 0.4182 | 0.5119 | 1.0000 | 507 | tags=22%, list=11%, signal=24% |
| ZHONG_SECRETO ME_OF_LUNG_CAN CER_AND_MACRO PHAGE | ZHONG_SECRETOME _OF_LUNG_CANCER_ AND_MACROPHAGE | 27 | 0.1234 | 0.5998 | 0.9301 | 0.9591 | 1.0000 | 3892 | tags=100%, list=88%, signal=809% |
| ZHOU_CELL_CYCL E_GENES_IN_IR_RE SPONSE_24HR | ZHOU_CELL_CYCLE_ GENES_IN_IR_RESPO NSE_24HR | 59 | 0.6475 | 4.0105 | 0.0000 | 0.0000 | 0.0000 | 1151 | tags=83%, list=26%, signal=111% |
| ZHOU_CELL_CYCL E_GENES_IN_IR_RE SPONSE_6HR | ZHOU_CELL_CYCLE_ GENES_IN_IR_RESPO NSE_6HR | 41 | 0.6064 | 3.3768 | 0.0000 | 0.0000 | 0.0000 | 1339 | tags=85%, list=30%, signal=121% |
| ZHOU_INFLAMMA TORY_RESPONSE_ LIVE_DN | ZHOU_INFLAMMATO RY_RESPONSE_LIVE_ DN | 57 | 0.1018 | 0.6215 | 0.9655 | 0.9498 | 1.0000 | 553 | tags=18%, list=12%, signal=20% |
| ZHOU_TNF_SIGNA LING_4HR | ZHOU_TNF_SIGNALI NG_4HR | 16 | 0.3923 | 1.5116 | 0.0682 | 0.0840 | 1.0000 | 2105 | tags=88%, list=47%, signal=166% |

| | | | | | | | | | |
|--|--|----|--------|--------|--------|--------|--------|------|---------------------------------------|
| ZHU_CMV_24_HR_DN | ZHU_CMV_24_HR_DN | 41 | 0.3803 | 2.0268 | 0.0000 | 0.0053 | 0.6290 | 1172 | tags=63%, list=26%, signal=85% |
| ZHU_CMV_24_HR_UP | ZHU_CMV_24_HR_UP | 16 | 0.2324 | 0.9262 | 0.5455 | 0.6348 | 1.0000 | 58 | tags=13%, list=1%, signal=13% |
| ZHU_CMV_ALL_DN | ZHU_CMV_ALL_DN | 50 | 0.2761 | 1.5907 | 0.0183 | 0.0584 | 1.0000 | 1172 | tags=54%, list=26%, signal=73% |
| ZHU_CMV_ALL_UP | ZHU_CMV_ALL_UP | 19 | 0.1937 | 0.8451 | 0.6789 | 0.7469 | 1.0000 | 58 | tags=11%, list=1%, signal=11% |
| ZWANG_CLASS_1_TRANSIENTLY_INDUCED_BY_EGF | ZWANG_CLASS_1_TRANSIENTLY_INDUCED_BY_EGF | 99 | 0.2224 | 1.5372 | 0.0000 | 0.0751 | 1.0000 | 485 | tags=23%, list=11%, signal=26% |
| ZWANG_CLASS_2_TRANSIENTLY_INDUCED_BY_EGF | ZWANG_CLASS_2_TRANSIENTLY_INDUCED_BY_EGF | 18 | 0.4113 | 1.7249 | 0.0244 | 0.0309 | 0.9990 | 1530 | tags=67%, list=34%, signal=101% |
| ZWANG_CLASS_3_TRANSIENTLY_INDUCED_BY_EGF | ZWANG_CLASS_3_TRANSIENTLY_INDUCED_BY_EGF | 50 | 0.2381 | 1.3848 | 0.0524 | 0.1441 | 1.0000 | 1671 | tags=58%, list=38%, signal=92% |
| ZWANG_EGF_INTERVAL_DN | ZWANG_EGF_INTERVAL_DN | 47 | 0.3325 | 1.9300 | 0.0000 | 0.0098 | 0.8460 | 1702 | tags=68%, list=38%, signal=109% |

| | | | | | | | | | |
|---------------------------|---------------------------|----|--------|--------|--------|--------|--------|------|--------------------------------------|
| ZWANG_EGF_INTE RVAL_UP | ZWANG_EGF_INTER VAL_UP | 25 | 0.1163 | 0.5600 | 0.9594 | 0.9744 | 1.0000 | 1049 | tags=28%, list=24%, signal=36% |
|---------------------------|---------------------------|----|--------|--------|--------|--------|--------|------|--------------------------------------|