



TONKS\_TARGETS\_OF\_RUNX1\_RUNX1T1\_FUSION\_ERYTHROCYTE\_UP, TONKS\_TARGETS\_OF\_RUNX1\_RUNX1T1\_FUSION\_ERYTHROCYTE\_UP  
VERHAAK\_AML\_WITH\_NPM1\_MUTATED\_UP, VERHAAK\_AML\_WITH\_NPM1\_MUTATED\_UP  
PODAR\_RESPONSE\_TO\_ADAPHOSTIN\_UP, PODAR\_RESPONSE\_TO\_ADAPHOSTIN\_UP  
SMIRNOV\_CIRCULATING\_ENDOTHELIOCYTES\_IN\_CANCER\_UP, SMIRNOV\_CIRCULATING\_ENDOTHELIOCYTES\_IN\_CANCER\_UP  
ZHENG\_FOXP3\_TARGETS\_IN\_THYMUS\_UP, ZHENG\_FOXP3\_TARGETS\_IN\_THYMUS\_UP  
HUANG\_GATA2\_TARGETS\_UP, HUANG\_GATA2\_TARGETS\_UP  
ALCALAY\_AML\_BY\_NPM1\_LOCALIZATION\_UP, ALCALAY\_AML\_BY\_NPM1\_LOCALIZATION\_UP  
XIE\_ST\_HSC\_S1PR3\_OE\_UP, XIE\_ST\_HSC\_S1PR3\_OE\_UP  
TAKEDA\_TARGETS\_OF\_NUP98\_HOXA9\_FUSION\_10D\_UP, TAKEDA\_TARGETS\_OF\_NUP98\_HOXA9\_FUSION\_10D\_UP  
TAKEDA\_TARGETS\_OF\_NUP98\_HOXA9\_FUSION\_8D\_UP, TAKEDA\_TARGETS\_OF\_NUP98\_HOXA9\_FUSION\_8D\_UP  
ACOSTA\_PROLIFERATION\_INDEPENDENT\_MYC\_TARGETS\_DN, ACOSTA\_PROLIFERATION\_INDEPENDENT\_MYC\_TARGETS\_DN  
NAGASHIMA\_NRG1\_SIGNALING\_UP, NAGASHIMA\_NRG1\_SIGNALING\_UP  
JISON\_SICKLE\_CELL\_DISEASE\_UP, JISON\_SICKLE\_CELL\_DISEASE\_UP  
VILIMAS\_NOTCH1\_TARGETS\_UP, VILIMAS\_NOTCH1\_TARGETS\_UP  
ALTEMEIER\_RESPONSE\_TO\_LPS\_WITH\_MECHANICAL\_VENTILATION, ALTEMEIER\_RESPONSE\_TO\_LPS\_WITH\_MECHANICAL\_VENTILATION  
TAKEDA\_TARGETS\_OF\_NUP98\_HOXA9\_FUSION\_16D\_UP, TAKEDA\_TARGETS\_OF\_NUP98\_HOXA9\_FUSION\_16D\_UP  
GERY\_CEBP\_TARGETS, GERY\_CEBP\_TARGETS  
WAMUNYOKOLL\_OVARIAN\_CANCER\_LMP\_DN, WAMUNYOKOLL\_OVARIAN\_CANCER\_LMP\_DN  
GROSS\_HYPOXIA\_VIA\_ELK3\_DN, GROSS\_HYPOXIA\_VIA\_ELK3\_DN  
CHIARADONNA\_NEOPLASTIC\_TRANSFORMATION\_KRAS\_DN, CHIARADONNA\_NEOPLASTIC\_TRANSFORMATION\_KRAS\_DN  
GAVIN\_FOXP3\_TARGETS\_CLUSTER\_P3, GAVIN\_FOXP3\_TARGETS\_CLUSTER\_P3  
EPPERT\_HSC\_R, EPPERT\_HSC\_R  
SMIRNOV\_RESPONSE\_TO\_IR\_6HR\_UP, SMIRNOV\_RESPONSE\_TO\_IR\_6HR\_UP  
KARLSSON\_TGFB1\_TARGETS\_DN, KARLSSON\_TGFB1\_TARGETS\_DN  
SWEET\_KRAS\_TARGETS\_UP, SWEET\_KRAS\_TARGETS\_UP  
AMIT\_EGF\_RESPONSE\_480\_HELA, AMIT\_EGF\_RESPONSE\_480\_HELA  
LINDSTEDT\_DENDRITIC\_CELL\_MATURATION\_C, LINDSTEDT\_DENDRITIC\_CELL\_MATURATION\_C  
NAGASHIMA\_EGF\_SIGNALING\_UP, NAGASHIMA\_EGF\_SIGNALING\_UP  
TONKS\_TARGETS\_OF\_RUNX1\_RUNX1T1\_FUSION\_SUSTAINED\_IN\_ERYTHROCYTE\_UP, TONKS\_TARGETS\_OF\_RUNX1\_RUNX1T1\_FUSION\_SUSTAINED\_IN\_ERYTHROCYTE\_UP  
LAIHO\_COLORECTAL\_CANCER\_SERRATED\_UP, LAIHO\_COLORECTAL\_CANCER\_SERRATED\_UP  
GAUSSMANN\_MLL\_AF4\_FUSION\_TARGETS\_F\_UP, GAUSSMANN\_MLL\_AF4\_FUSION\_TARGETS\_F\_UP  
MCBRYAN\_PUBERTAL\_TGFB1\_TARGETS\_UP, MCBRYAN\_PUBERTAL\_TGFB1\_TARGETS\_UP  
SUNG\_METASTASIS\_STROMA\_UP, SUNG\_METASTASIS\_STROMA\_UP  
BROCKE\_APOPTOSIS\_REVERSED\_BY\_IL6, BROCKE\_APOPTOSIS\_REVERSED\_BY\_IL6  
FAELT\_B\_CLL\_WITH\_VH\_REARRANGEMENTS\_UP, FAELT\_B\_CLL\_WITH\_VH\_REARRANGEMENTS\_UP  
BURTON\_ADIPOGENESIS\_9, BURTON\_ADIPOGENESIS\_9  
ODONNELL\_TARGETS\_OF\_MYC\_AND\_TFRC\_UP, ODONNELL\_TARGETS\_OF\_MYC\_AND\_TFRC\_UP  
YAO\_TEMPORAL\_RESPONSE\_TO\_PROGESTERONE\_CLUSTER\_0, YAO\_TEMPORAL\_RESPONSE\_TO\_PROGESTERONE\_CLUSTER\_0  
PANGAS\_TUMOR\_SUPPRESSION\_BY\_SMAD1\_AND\_SMAD5\_DN, PANGAS\_TUMOR\_SUPPRESSION\_BY\_SMAD1\_AND\_SMAD5\_DN  
KYNG\_DNA\_DAMAGE\_DN, KYNG\_DNA\_DAMAGE\_DN  
OKUMURA\_INFLAMMATORY\_RESPONSE\_LPS, OKUMURA\_INFLAMMATORY\_RESPONSE\_LPS  
PETROVA\_ENDOTHELIUM\_LYMPHATIC\_VS\_BLOOD\_DN, PETROVA\_ENDOTHELIUM\_LYMPHATIC\_VS\_BLOOD\_DN  
DIRMEIER\_LMP1\_RESPONSE\_EARLY, DIRMEIER\_LMP1\_RESPONSE\_EARLY  
HOELZEL\_NF1\_TARGETS\_UP, HOELZEL\_NF1\_TARGETS\_UP  
WP\_TGFBETA\_SIGNALING\_PATHWAY, WP\_TGFBETA\_SIGNALING\_PATHWAY  
ANASTASSIOU\_MULTICANCER\_INVASIVENESS\_SIGNATURE, ANASTASSIOU\_MULTICANCER\_INVASIVENESS\_SIGNATURE  
ONDER\_CDH1\_TARGETS\_1\_UP, ONDER\_CDH1\_TARGETS\_1\_UP  
PHONG\_TNF\_RESPONSE\_VIA\_P38\_PARTIAL, PHONG\_TNF\_RESPONSE\_VIA\_P38\_PARTIAL  
TAKEDA\_TARGETS\_OF\_NUP98\_HOXA9\_FUSION\_3D\_UP, TAKEDA\_TARGETS\_OF\_NUP98\_HOXA9\_FUSION\_3D\_UP  
BENPORATH\_NOS\_TARGETS, BENPORATH\_NOS\_TARGETS  
UZONYL\_RESPONSE\_TO\_LEUKOTRIENE\_AND\_THROMBIN, UZONYL\_RESPONSE\_TO\_LEUKOTRIENE\_AND\_THROMBIN  
MISSIAGLIA\_REGULATED\_BY\_METHYLATION\_UP, MISSIAGLIA\_REGULATED\_BY\_METHYLATION\_UP  
HOELZEL\_NF1\_TARGETS\_DN, HOELZEL\_NF1\_TARGETS\_DN  
ROSS\_ACUTE\_MYELOID\_LEUKEMIA\_CBF, ROSS\_ACUTE\_MYELOID\_LEUKEMIA\_CBF  
ONDER\_CDH1\_SIGNALING\_VIA\_CTNNB1, ONDER\_CDH1\_SIGNALING\_VIA\_CTNNB1  
VART\_KSHV\_INFECTION\_ANGIOGENIC\_MARKERS\_DN, VART\_KSHV\_INFECTION\_ANGIOGENIC\_MARKERS\_DN  
AMIT\_DELAYED\_EARLY\_GENES, AMIT\_DELAYED\_EARLY\_GENES  
VALK\_AML\_WITH\_EV11, VALK\_AML\_WITH\_EV11  
CHIARADONNA\_NEOPLASTIC\_TRANSFORMATION\_KRAS\_CDC25\_DN, CHIARADONNA\_NEOPLASTIC\_TRANSFORMATION\_KRAS\_CDC25\_DN  
ELVIDGE\_HYPOXIA\_UP, ELVIDGE\_HYPOXIA\_UP  
LI\_WILMS\_TUMOR\_VS\_FETAL\_KIDNEY\_1\_UP, LI\_WILMS\_TUMOR\_VS\_FETAL\_KIDNEY\_1\_UP  
RADMACHER\_AML\_PROGNOSIS, RADMACHER\_AML\_PROGNOSIS  
JECHLINGER\_EPITHELIAL\_TO\_MESENCHYMAL\_TRANSITION\_UP, JECHLINGER\_EPITHELIAL\_TO\_MESENCHYMAL\_TRANSITION\_UP  
ELVIDGE\_HYPOXIA\_BY\_DMOG\_UP, ELVIDGE\_HYPOXIA\_BY\_DMOG\_UP  
KIM\_WT1\_TARGETS\_12HR\_UP, KIM\_WT1\_TARGETS\_12HR\_UP  
HADDAD\_T\_LYMPHOCYTE\_AND\_NK\_PROGENITOR\_UP, HADDAD\_T\_LYMPHOCYTE\_AND\_NK\_PROGENITOR\_UP  
LI\_INDUCED\_T\_TO\_NATURAL\_KILLER\_DN, LI\_INDUCED\_T\_TO\_NATURAL\_KILLER\_DN  
SAGIV\_CD24\_TARGETS\_DN, SAGIV\_CD24\_TARGETS\_DN  
HUANG\_FOXA2\_TARGETS\_DN, HUANG\_FOXA2\_TARGETS\_DN  
NEMETH\_INFLAMMATORY\_RESPONSE\_LPS\_UP, NEMETH\_INFLAMMATORY\_RESPONSE\_LPS\_UP  
VANHARANTA\_UTERINE\_FIBROID\_DN, VANHARANTA\_UTERINE\_FIBROID\_DN  
GROSS\_HYPOXIA\_VIA\_ELK3\_AND\_HIF1A\_UP, GROSS\_HYPOXIA\_VIA\_ELK3\_AND\_HIF1A\_UP  
TAKEDA\_TARGETS\_OF\_NUP98\_HOXA9\_FUSION\_6HR\_UP, TAKEDA\_TARGETS\_OF\_NUP98\_HOXA9\_FUSION\_6HR\_UP  
PANGAS\_TUMOR\_SUPPRESSION\_BY\_SMAD1\_AND\_SMAD5\_UP, PANGAS\_TUMOR\_SUPPRESSION\_BY\_SMAD1\_AND\_SMAD5\_UP  
GAJATE\_RESPONSE\_TO TRABECTEDIN\_UP, GAJATE\_RESPONSE\_TO TRABECTEDIN\_UP  
KIM\_WT1\_TARGETS\_8HR\_UP, KIM\_WT1\_TARGETS\_8HR\_UP  
KERLEY\_RESPONSE\_TO\_CISPLATIN\_UP, KERLEY\_RESPONSE\_TO\_CISPLATIN\_UP  
RODRIGUES\_DCC\_TARGETS\_DN, RODRIGUES\_DCC\_TARGETS\_DN  
NAKAJIMA\_MAST\_CELL, NAKAJIMA\_MAST\_CELL  
BOYAULT\_LIVER\_CANCER\_SUBCLASS\_G1\_UP, BOYAULT\_LIVER\_CANCER\_SUBCLASS\_G1\_UP  
MIKKELSEN\_MEF\_LCP\_WITH\_H3K4ME3, MIKKELSEN\_MEF\_LCP\_WITH\_H3K4ME3  
ROSS\_AML\_WITH\_AML1\_ETO\_FUSION, ROSS\_AML\_WITH\_AML1\_ETO\_FUSION  
RUIZ\_TNC\_TARGETS\_UP, RUIZ\_TNC\_TARGETS\_UP  
LINDSTEDT\_DENDRITIC\_CELL\_MATURATION\_B, LINDSTEDT\_DENDRITIC\_CELL\_MATURATION\_B  
REACTOME\_TOLL\_LIKE\_RECEPTOR\_9\_TLR9\_CASCADE, REACTOME\_TOLL\_LIKE\_RECEPTOR\_9\_TLR9\_CASCADE  
AMIT\_SERUM\_RESPONSE\_120\_MCF10A, AMIT\_SERUM\_RESPONSE\_120\_MCF10A  
CHEBOTAIEV\_GR\_TARGETS\_DN, CHEBOTAIEV\_GR\_TARGETS\_DN  
REACTOME\_MYD88\_INDEPENDENT\_TLR4\_CASCADE, REACTOME\_MYD88\_INDEPENDENT\_TLR4\_CASCADE  
VANHARANTA\_UTERINE\_FIBROID\_UP, VANHARANTA\_UTERINE\_FIBROID\_UP  
GARGALOVIC\_RESPONSE\_TO\_OXIDIZED\_PHOSPHOLIPIDS\_TURQUOISE\_UP, GARGALOVIC\_RESPONSE\_TO\_OXIDIZED\_PHOSPHOLIPIDS\_TURQUOISE\_UP  
ADDYA\_ERYTHROID\_DIFFERENTIATION\_BY\_HEMIN, ADDYA\_ERYTHROID\_DIFFERENTIATION\_BY\_HEMIN  
KIM\_GLI2\_TARGETS\_UP, KIM\_GLI2\_TARGETS\_UP  
SATO\_SILENCED\_BY\_METHYLATION\_IN\_PANCREATIC\_CANCER\_2, SATO\_SILENCED\_BY\_METHYLATION\_IN\_PANCREATIC\_CANCER\_2  
AMIT\_SERUM\_RESPONSE\_60\_MCF10A, AMIT\_SERUM\_RESPONSE\_60\_MCF10A  
PRAMOONJAGO\_SOX4\_TARGETS\_UP, PRAMOONJAGO\_SOX4\_TARGETS\_UP  
AMIT\_EGF\_RESPONSE\_40\_HELA, AMIT\_EGF\_RESPONSE\_40\_HELA  
HAN\_JNK\_SINGALING\_UP, HAN\_JNK\_SINGALING\_UP  
MIKKELSEN\_MCV6\_LCP\_WITH\_H3K4ME3, MIKKELSEN\_MCV6\_LCP\_WITH\_H3K4ME3  
DURAND\_STROMA\_NS\_UP, DURAND\_STROMA\_NS\_UP  
LEI\_HOXC8\_TARGETS\_DN, LEI\_HOXC8\_TARGETS\_DN  
LEE\_INTRATHYMIC\_T\_PROGENITOR, LEE\_INTRATHYMIC\_T\_PROGENITOR  
DUTERTRE ESTRADIOL\_RESPONSE\_6HR\_DN, DUTERTRE ESTRADIOL\_RESPONSE\_6HR\_DN  
SHETH\_LIVER\_CANCER\_VS\_TXNIP\_LOSS\_PAM2, SHETH\_LIVER\_CANCER\_VS\_TXNIP\_LOSS\_PAM2  
HOOI\_S17\_TARGETS\_DN, HOOI\_S17\_TARGETS\_DN  
HELLER\_SILENCED\_BY\_METHYLATION\_DN, HELLER\_SILENCED\_BY\_METHYLATION\_DN  
LIANG\_HEMATOPOIESIS\_STEM\_CELL\_NUMBER\_SMALL\_VS\_HUGE\_DN, LIANG\_HEMATOPOIESIS\_STEM\_CELL\_NUMBER\_SMALL\_VS\_HUGE\_DN  
BERENJENO\_ROCK\_SIGNALING\_NOT\_VIA\_RHOA\_DN, BERENJENO\_ROCK\_SIGNALING\_NOT\_VIA\_RHOA\_DN  
GRAHAM\_CML\_QUIESCENT\_VS\_NORMAL\_QUIESCENT\_DN, GRAHAM\_CML\_QUIESCENT\_VS\_NORMAL\_QUIESCENT\_DN  
RASHI\_RESPONSE\_TO\_IONIZING\_RADIATION\_2, RASHI\_RESPONSE\_TO\_IONIZING\_RADIATION\_2  
REACTOME\_NCAM\_SIGNALING\_FOR\_NEURITE\_OUT\_GROWTH, REACTOME\_NCAM\_SIGNALING\_FOR\_NEURITE\_OUT\_GROWTH  
REACTOME\_L1CAM\_INTERACTIONS, REACTOME\_L1CAM\_INTERACTIONS  
LENAOUR\_DENDRITIC\_CELL\_MATURATION\_UP, LENAOUR\_DENDRITIC\_CELL\_MATURATION\_UP  
BORLAK\_LIVER\_CANCER\_EGF\_UP, BORLAK\_LIVER\_CANCER\_EGF\_UP  
SASAI\_RESISTANCE\_TO\_NEOPLASTIC\_TRANSFROMATION, SASAI\_RESISTANCE\_TO\_NEOPLASTIC\_TRANSFROMATION  
LEE\_EARLY\_T\_LYMPHOCYTE\_DN, LEE\_EARLY\_T\_LYMPHOCYTE\_DN  
WIERENGA\_STATS4\_TARGETS\_GROUP2, WIERENGA\_STATS4\_TARGETS\_GROUP2  
CHUANG\_OXIDATIVE\_STRESS\_RESPONSE\_UP, CHUANG\_OXIDATIVE\_STRESS\_RESPONSE\_UP  
REACTOME\_CS\_DS\_DEGRADATION, REACTOME\_CS\_DS\_DEGRADATION  
AMIT\_EGF\_RESPONSE\_60\_MCF10A, AMIT\_EGF\_RESPONSE\_60\_MCF10A  
LIU\_CMYB\_TARGETS\_UP, LIU\_CMYB\_TARGETS\_UP  
FIGUEROA\_AML\_METHYLATION\_CLUSTER\_7\_UP, FIGUEROA\_AML\_METHYLATION\_CLUSTER\_7\_UP  
DELLA\_RESPONSE\_TO\_TSA\_AND\_BUTYRATE, DELLA\_RESPONSE\_TO\_TSA\_AND\_BUTYRATE  
BROWNE\_HCMV\_INFECTION\_18HR\_DN, BROWNE\_HCMV\_INFECTION\_18HR\_DN  
AMIT\_EGF\_RESPONSE\_60\_HELA, AMIT\_EGF\_RESPONSE\_60\_HELA  
VANDESLUIS\_COMMD1\_TARGETS\_GROUP\_3\_DN, VANDESLUIS\_COMMD1\_TARGETS\_GROUP\_3\_DN  
GERHOLD\_ADIPOGENESIS\_DN, GERHOLD\_ADIPOGENESIS\_DN  
WP\_GLUCCORTICOID\_RECEPTOR\_PATHWAY, WP\_GLUCCORTICOID\_RECEPTOR\_PATHWAY  
LEIN\_ASTROCYTE\_MARKERS, LEIN\_ASTROCYTE\_MARKERS  
FRIDMAN\_SENESCENCE\_UP, FRIDMAN\_SENESCENCE\_UP  
REACTOME\_INTERACTION\_BETWEEN\_L1\_AND\_ANKYRINS, REACTOME\_INTERACTION\_BETWEEN\_L1\_AND\_ANKYRINS  
MASSARWEH\_RESPONSE\_TO ESTRADIOL, MASSARWEH\_RESPONSE\_TO ESTRADIOL  
BROWNE\_HCMV\_INFECTION\_24HR\_DN, BROWNE\_HCMV\_INFECTION\_24HR\_DN  
KRIGE\_AMINO\_ACID\_DEPRIVATION, KRIGE\_AMINO\_ACID\_DEPRIVATION  
REACTOME\_BIOSYNTHESIS\_OF\_SPECIALIZED\_PRORESOLVING\_MEDIATORS\_SPMS, REACTOME\_BIOSYNTHESIS\_OF\_SPECIALIZED\_PRORESOLVING\_MEDIATORS\_SPMS  
TOMLINS\_PROSTATE\_CANCER\_UP, TOMLINS\_PROSTATE\_CANCER\_UP  
PEDERSEN\_TARGETS\_OF\_611CTF\_ISOFORM\_OF\_ERBB2, PEDERSEN\_TARGETS\_OF\_611CTF\_ISOFORM\_OF\_ERBB2  
PETRETTO\_CARDIAC\_HYPERTROPHY, PETRETTO\_CARDIAC\_HYPERTROPHY  
WP\_EBOLA\_VIRUS\_PATHWAY\_ON\_HOST, WP\_EBOLA\_VIRUS\_PATHWAY\_ON\_HOST  
HAHTOLA\_MYCOSIS\_FUNGOIDES\_CD4\_UP, HAHTOLA\_MYCOSIS\_FUNGOIDES\_CD4\_UP  
DORN\_ADENOVIRUS\_INFECTION\_24HR\_DN, DORN\_ADENOVIRUS\_INFECTION\_24HR\_DN  
LEE\_NEURAL\_CREST\_STEM\_CELL\_DN, LEE\_NEURAL\_CREST\_STEM\_CELL\_DN  
MOROSETTI\_FACIOSCAPULOHUMERAL\_MUSCULAR\_DISTROPHY\_UP, MOROSETTI\_FACIOSCAPULOHUMERAL\_MUSCULAR\_DISTROPHY\_UP  
BIOCARTA\_AML\_PATHWAY, BIOCARTA\_AML\_PATHWAY  
JL\_METASTASIS\_REPRESSED\_BY\_STK11, JL\_METASTASIS\_REPRESSED\_BY\_STK11  
CASTELLANO\_NRAS\_TARGETS\_UP, CASTELLANO\_NRAS\_TARGETS\_UP  
BAKKER\_FOXP3\_TARGETS\_UP, BAKKER\_FOXP3\_TARGETS\_UP  
BASSO\_HAIRY\_CELL\_LEUKEMIA\_UP, BASSO\_HAIRY\_CELL\_LEUKEMIA\_UP  
WEINMANN\_ADAPTATION\_TO\_HYPOXIA\_UP, WEINMANN\_ADAPTATION\_TO\_HYPOXIA\_UP  
BERENJENO\_TRANSFORMED\_BY\_RHOA\_FOREVER, BERENJENO\_TRANSFORMED\_BY\_RHOA\_FOREVER  
MAHADEVAN\_IMATINIB\_RESISTANCE\_DN, MAHADEVAN\_IMATINIB\_RESISTANCE\_DN  
CUL\_TCF21\_TARGETS\_UP, CUL\_TCF21\_TARGETS\_UP  
KRIEG\_HYPOXIA\_VIA\_KDM3A, KRIEG\_HYPOXIA\_VIA\_KDM3A  
RASHI\_NFKB1\_TARGETS, RASHI\_NFKB1\_TARGETS  
ZHU\_CMYC\_ALL\_DN, ZHU\_CMYC\_ALL\_DN  
ENGELMANN\_CANCER\_PROGENITORS\_UP, ENGELMANN\_CANCER\_PROGENITORS\_UP  
ELVIDGE\_HIF1A\_TARGETS\_DN, ELVIDGE\_HIF1A\_TARGETS\_DN  
MENSE\_HYPOXIA\_UP, MENSE\_HYPOXIA\_UP  
TAVOR\_CEBPA\_TARGETS\_UP, TAVOR\_CEBPA\_TARGETS\_UP  
LIU\_PROSTATE\_CANCER\_UP, LIU\_PROSTATE\_CANCER\_UP  
XU\_GH1\_AUTOCRINE\_TARGETS\_DN, XU\_GH1\_AUTOCRINE\_TARGETS\_DN  
PID\_TAP63\_PATHWAY, PID\_TAP63\_PATHWAY  
IZADPANAH\_STEM\_CELL\_ADIPOSE\_VS\_BONE\_UP, IZADPANAH\_STEM\_CELL\_ADIPOSE\_VS\_BONE\_UP  
CROONQUIST\_STROMAL\_STIMULATION\_UP, CROONQUIST\_STROMAL\_STIMULATION\_UP  
REACTOME\_SEMA4D\_INDUCED\_CELL\_MIGRATION\_AND\_GROWTH\_CONE\_COLLAPSE, REACTOME\_SEMA4D\_INDUCED\_CELL\_MIGRATION\_AND\_GROWTH\_CONE\_COLLAPSE  
AMIT\_EGF\_RESPONSE\_120\_HELA, AMIT\_EGF\_RESPONSE\_120\_HELA  
BROWNE\_HCMV\_INFECTION\_6HR\_UP, BROWNE\_HCMV\_INFECTION\_6HR\_UP  
REACTOME\_HEPARAN\_SULFATE\_HEPARIN\_HS\_GAG\_METABOLISM, REACTOME\_HEPARAN\_SULFATE\_HEPARIN\_HS\_GAG\_METABOLISM  
HERNANDEZ\_ABERRANT\_MITOSIS\_BY\_DOCETACEL\_2NM\_UP, HERNANDEZ\_ABERRANT\_MITOSIS\_BY\_DOCETACEL\_2NM\_UP  
HERNANDEZ\_MITOTIC\_ARREST\_BY\_DOCETAXEL\_2\_UP, HERNANDEZ\_MITOTIC\_ARREST\_BY\_DOCETAXEL\_2\_UP  
TONKS\_TARGETS\_OF\_RUNX1\_RUNX1T1\_FUSION GRANULOCYTE\_UP, TONKS\_TARGETS\_OF\_RUNX1\_RUNX1T1\_FUSION GRANULOCYTE\_UP  
LIU\_VAV3\_PROSTATE\_CARCINOGENESIS\_UP, LIU\_VAV3\_PROSTATE\_CARCINOGENESIS\_UP  
REACTOME\_DEFECTIVE\_CHST3\_CAUSES\_SEDCJD, REACTOME\_DEFECTIVE\_CHST3\_CAUSES\_SEDCJD  
GAZDA\_DIAMOND\_BLACKFAN\_ANEMIA\_PROGENITOR\_UP, GAZDA\_DIAMOND\_BLACKFAN\_ANEMIA\_PROGENITOR\_UP  
VECCHI\_GASTRIC\_CANCER\_ADVANCED\_VS\_EARLY\_UP, VECCHI\_GASTRIC\_CANCER\_ADVANCED\_VS\_EARLY\_UP  
KAN\_RESPONSE\_TO\_ARSENIC\_TRIOXIDE, KAN\_RESPONSE\_TO\_ARSENIC\_TRIOXIDE  
DELPUECH\_FOXO3\_TARGETS\_UP, DELPUECH\_FOXO3\_TARGETS\_UP  
WU\_SILENCED\_BY\_METHYLATION\_IN\_BLADDER\_CANCER, WU\_SILENCED\_BY\_METHYLATION\_IN\_BLADDER\_CANCER  
TAKEDA\_TARGETS\_OF\_NUP98\_HOXA9\_FUSION\_6HR\_DN, TAKEDA\_TARGETS\_OF\_NUP98\_HOXA9\_FUSION\_6HR\_DN  
KATSANOUE\_ELAVL1\_TARGETS\_UP, KATSANOUE\_ELAVL1\_TARGETS\_UP  
PEDERSEN\_METASTASIS\_BY\_ERBB2\_ISOFORM\_3, PEDERSEN\_METASTASIS\_BY\_ERBB2\_ISOFORM\_3  
BHAT\_ESR1\_TARGETS\_NOT\_VIA\_AKT1\_DN, BHAT\_ESR1\_TARGETS\_NOT\_VIA\_AKT1\_DN  
ALONSO\_METASTASIS\_NEURAL\_UP, ALONSO\_METASTASIS\_NEURAL\_UP  
SCHRAETS\_MLL\_TARGETS\_UP, SCHRAETS\_MLL\_TARGETS\_UP  
BIOCARTA\_CREB\_PATHWAY, BIOCARTA\_CREB\_PATHWAY  
HUANG\_DASATINIB\_SENSITIVITY\_UP, HUANG\_DASATINIB\_SENSITIVITY\_UP  
REACTOME\_INTERLEUKIN\_17\_SIGNALING, REACTOME\_INTERLEUKIN\_17\_SIGNALING  
TONKS\_TARGETS\_OF\_RUNX1\_RUNX1T1\_FUSION\_SUSTAINED\_IN\_MONOCYTE\_UP, TONKS\_TARGETS\_OF\_RUNX1\_RUNX1T1\_FUSION\_SUSTAINED\_IN\_MONOCYTE\_UP  
KYNG\_ENVIRONMENTAL\_STRESS\_RESPONSE\_NOT\_BY\_UV\_IN\_OLD, KYNG\_ENVIRONMENTAL\_STRESS\_RESPONSE\_NOT\_BY\_UV\_IN\_OLD  
DER\_IFN\_GAMMA\_RESPONSE\_UP, DER\_IFN\_GAMMA\_RESPONSE\_UP  
STOSSI\_RESPONSE\_TO ESTRADIOL, STOSSI\_RESPONSE\_TO ESTRADIOL  
REACTOME\_SEMA4D\_IN\_SEMAPHORIN\_SIGNALING, REACTOME\_SEMA4D\_IN\_SEMAPHORIN\_SIGNALING  
VISALA\_RESPONSE\_TO\_HEAT\_SHOCK\_AND\_AGING\_UP, VISALA\_RESPONSE\_TO\_HEAT\_SHOCK\_AND\_AGING\_UP  
EBAUER\_TARGETS\_OF\_PAX3\_FOXP1\_FUSION\_UP, EBAUER\_TARGETS\_OF\_PAX3\_FOXP1\_FUSION\_UP  
PEDERSEN\_METASTASIS\_BY\_ERBB2\_ISOFORM\_4, PEDERSEN\_METASTASIS\_BY\_ERBB2\_ISOFORM\_4  
FUJII\_YBX1\_TARGETS\_UP, FUJII\_YBX1\_TARGETS\_UP  
SCHMAHL\_PDGF\_SIGNALING, SCHMAHL\_PDGF\_SIGNALING  
JINESH\_BLEBBISHIELD\_TRANSFORMED\_STEM\_CELL\_SPHERES\_UP, JINESH\_BLEBBISHIELD\_TRANSFORMED\_STEM\_CELL\_SPHERES\_UP  
VALK\_AML\_CLUSTER\_11, VALK\_AML\_CLUSTER\_11  
GRAHAM\_CML\_DIVIDING\_VS\_NORMAL\_QUIESCENT\_DN, GRAHAM\_CML\_DIVIDING\_VS\_NORMAL\_QUIESCENT\_DN  
SANSOM\_WNT\_PATHWAY\_REQUIRE\_MYC, SANSOM\_WNT\_PATHWAY\_REQUIRE\_MYC  
TOMLINS\_PROSTATE\_CANCER\_DN, TOMLINS\_PROSTATE\_CANCER\_DN  
GENTLES\_LEUKEMIC\_STEM\_CELL\_UP, GENTLES\_LEUKEMIC\_STEM\_CELL\_UP  
LIANG\_SILENCED\_BY\_METHYLATION\_2, LIANG\_SILENCED\_BY\_METHYLATION\_2  
TONKS\_TARGETS\_OF\_RUNX1\_RUNX1T1\_FUSION\_SUSTAINED\_IN GRANULOCYTE\_UP, TONKS\_TARGETS\_OF\_RUNX1\_RUNX1T1\_FUSION\_SUSTAINED\_IN GRANULOCYTE\_UP  
KIM\_PTEN\_TARGETS\_UP, KIM\_PTEN\_TARGETS\_UP  
KIM\_MYCL1\_AMPLIFICATION\_TARGETS\_DN, KIM\_MYCL1\_AMPLIFICATION\_TARGETS\_DN  
FOSTER\_TOLERANT\_MACROPHAGE\_UP, FOSTER\_TOLERANT\_MACROPHAGE\_UP  
AMIT\_SERUM\_RESPONSE\_20\_MCF10A, AMIT\_SERUM\_RESPONSE\_20\_MCF10A  
BILBAN\_B\_CLL\_LPL\_UP, BILBAN\_B\_CLL\_LPL\_UP