

UNX1T1\_FUSION\_ERYTHROCYTE\_UP, TONKS\_TARGETS\_OF\_RUNX1\_RUNX1T1\_FUSION\_ERYTHROCYTE\_UP

WIERENGA\_STAT5A\_TARGETS\_UP, WIERENGA\_STAT5A\_TARGETS\_UP  
TONKS\_TARGETS\_OF\_RUNX1\_RUNX1T1\_FUSION\_HSC\_UP, TONKS\_TARGETS\_OF\_RUNX1\_RUNX1T1\_FUSION\_HSC\_UP  
TAKEDA\_TARGETS\_OF\_NUP98\_HOXA9\_FUSION\_8D\_DN, TAKEDA\_TARGETS\_OF\_NUP98\_HOXA9\_FUSION\_8D\_DN  
PODAR\_RESPONSE\_TO\_ADAPHOSTIN\_UP, PODAR\_RESPONSE\_TO\_ADAPHOSTIN\_UP  
TAKEDA\_TARGETS\_OF\_NUP98\_HOXA9\_FUSION\_8D\_UP, TAKEDA\_TARGETS\_OF\_NUP98\_HOXA9\_FUSION\_8D\_UP  
ZHENG\_FOXP3\_TARGETS\_IN\_THYMUS\_UP, ZHENG\_FOXP3\_TARGETS\_IN\_THYMUS\_UP  
TAKEDA\_TARGETS\_OF\_NUP98\_HOXA9\_FUSION\_10D\_UP, TAKEDA\_TARGETS\_OF\_NUP98\_HOXA9\_FUSION\_10D\_UP  
ACOSTA\_PROLIFERATION\_INDEPENDENT\_MYC\_TARGETS\_DN, ACOSTA\_PROLIFERATION\_INDEPENDENT\_MYC\_TARGETS\_DN  
TAKEDA\_TARGETS\_OF\_NUP98\_HOXA9\_FUSION\_16D\_UP, TAKEDA\_TARGETS\_OF\_NUP98\_HOXA9\_FUSION\_16D\_UP  
SWEET\_KRAS\_TARGETS\_UP, SWEET\_KRAS\_TARGETS\_UP  
CHEN\_LVAD\_SUPPORT\_OF\_FAILING\_HEART\_UP, CHEN\_LVAD\_SUPPORT\_OF\_FAILING\_HEART\_UP  
NAGASHIMA\_NRG1\_SIGNALING\_UP, NAGASHIMA\_NRG1\_SIGNALING\_UP  
GAUSSMANN\_MLL\_AF4\_FUSION\_TARGETS\_F\_UP, GAUSSMANN\_MLL\_AF4\_FUSION\_TARGETS\_F\_UP  
TAKEDA\_TARGETS\_OF\_NUP98\_HOXA9\_FUSION\_3D\_UP, TAKEDA\_TARGETS\_OF\_NUP98\_HOXA9\_FUSION\_3D\_UP  
JISON\_SICKLE\_CELL\_DISEASE\_UP, JISON\_SICKLE\_CELL\_DISEASE\_UP  
CHUANG\_OXIDATIVE\_STRESS\_RESPONSE\_UP, CHUANG\_OXIDATIVE\_STRESS\_RESPONSE\_UP  
UZONYI\_RESPONSE\_TO\_LEUKOTRIENE\_AND\_THROMBIN, UZONYI\_RESPONSE\_TO\_LEUKOTRIENE\_AND\_THROMBIN  
YAGL\_AML\_FAB\_MARKERS, YAGI\_AML\_FAB\_MARKERS  
MCBRYAN\_PUBERTAL\_TGFB1\_TARGETS\_UP, MCBRYAN\_PUBERTAL\_TGFB1\_TARGETS\_UP  
CHIARADONNA\_NEOPLASTIC\_TRANSFORMATION\_KRAS\_DN, CHIARADONNA\_NEOPLASTIC\_TRANSFORMATION\_KRAS\_DN  
AMIT\_DELAYED\_EARLY\_GENES, AMIT\_DELAYED\_EARLY\_GENES  
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  
LIAN\_LIPA\_TARGETS\_6M, LIAN\_LIPA\_TARGETS\_6M  
DER\_IFN\_ALPHA\_RESPONSE\_UP, DER\_IFN\_ALPHA\_RESPONSE\_UP  
TIAN\_TNF\_SIGNALING\_NOT\_VIA\_NFKB, TIAN\_TNF\_SIGNALING\_NOT\_VIA\_NFKB  
MIKKELSEN\_MEF\_LCP\_WITH\_H3K4ME3, MIKKELSEN\_MEF\_LCP\_WITH\_H3K4ME3  
WANG\_METHYLATED\_IN\_BREAST\_CANCER, WANG\_METHYLATED\_IN\_BREAST\_CANCER  
CHIARADONNA\_NEOPLASTIC\_TRANSFORMATION\_CDC25\_DN, CHIARADONNA\_NEOPLASTIC\_TRANSFORMATION\_CDC25\_DN  
AMIT\_EGF\_RESPONSE\_480\_HELA, AMIT\_EGF\_RESPONSE\_480\_HELA  
CASORELLI\_ACUTE\_PROMYELOCYTIC\_LEUKEMIA\_UP, CASORELLI\_ACUTE\_PROMYELOCYTIC\_LEUKEMIA\_UP  
SAGIV\_CD24\_TARGETS\_DN, SAGIV\_CD24\_TARGETS\_DN  
HOELZEL\_NF1\_TARGETS\_UP, HOELZEL\_NF1\_TARGETS\_UP  
RODRIGUES\_DCC\_TARGETS\_DN, RODRIGUES\_DCC\_TARGETS\_DN  
FARMER\_BREAST\_CANCER\_CLUSTER\_1, FARMER\_BREAST\_CANCER\_CLUSTER\_1  
REACTOME\_TRANS\_GOLGI\_NETWORK\_VESICLE\_BUDDING, REACTOME\_TRANS\_GOLGI\_NETWORK\_VESICLE\_BUDDING  
ELVIDGE\_HYPOXIA\_UP, ELVIDGE\_HYPOXIA\_UP  
KIM\_WT1\_TARGETS\_12HR\_UP, KIM\_WT1\_TARGETS\_12HR\_UP  
SMIRNOV\_RESPONSE\_TO\_IR\_2HR\_UP, SMIRNOV\_RESPONSE\_TO\_IR\_2HR\_UP  
ELVIDGE\_HYPOXIA\_BY\_DMOG\_UP, ELVIDGE\_HYPOXIA\_BY\_DMOG\_UP  
NAKAJIMA\_MAST\_CELL, NAKAJIMA\_MAST\_CELL  
SUH\_COEXPRESSED\_WITH\_ID1\_AND\_ID2\_UP, SUH\_COEXPRESSED\_WITH\_ID1\_AND\_ID2\_UP  
JECHLINGER\_EPITHELIAL\_TO\_MESENCHYMAL\_TRANSITION\_DN, JECHLINGER\_EPITHELIAL\_TO\_MESENCHYMAL\_TRANSITION\_DN  
PETROVA\_ENDOTHELIUM\_LYMPHATIC\_VS\_BLOOD\_DN, PETROVA\_ENDOTHELIUM\_LYMPHATIC\_VS\_BLOOD\_DN  
MORI\_PRE\_BI\_LYMPHOCYTE\_DN, MORI\_PRE\_BI\_LYMPHOCYTE\_DN  
PRAMOONJAGO\_SOX4\_TARGETS\_UP, PRAMOONJAGO\_SOX4\_TARGETS\_UP  
WIEDERSCHAIN\_TARGETS\_OF\_BMI1\_AND\_PCGF2, WIEDERSCHAIN\_TARGETS\_OF\_BMI1\_AND\_PCGF2  
HECKER\_IFNB1\_TARGETS, HECKER\_IFNB1\_TARGETS  
KHETCHOUMIAN\_TRIM24\_TARGETS\_UP, KHETCHOUMIAN\_TRIM24\_TARGETS\_UP  
BURTON\_ADIPOGENESIS\_8, BURTON\_ADIPOGENESIS\_8  
BECKER\_TAMOXIFEN\_RESISTANCE\_DN, BECKER\_TAMOXIFEN\_RESISTANCE\_DN  
PHONG\_TNF\_RESPONSE\_VIA\_P38\_PARTIAL, PHONG\_TNF\_RESPONSE\_VIA\_P38\_PARTIAL  
AMBROSINI\_FLAVOPIRIDOL\_TREATMENT\_TP53, AMBROSINI\_FLAVOPIRIDOL\_TREATMENT\_TP53  
ZHAN\_MULTIPLE\_MYELOMA\_LB\_DN, ZHAN\_MULTIPLE\_MYELOMA\_LB\_DN  
VECCHI\_GASTRIC\_CANCER\_ADVANCED\_VS\_EARLY\_UP, VECCHI\_GASTRIC\_CANCER\_ADVANCED\_VS\_EARLY\_UP  
LENAOUR\_DENDRITIC\_CELL\_MATURATION\_UP, LENAOUR\_DENDRITIC\_CELL\_MATURATION\_UP  
ADDYA\_ERYTHROID\_DIFFERENTIATION\_BY\_HEMIN, ADDYA\_ERYTHROID\_DIFFERENTIATION\_BY\_HEMIN  
AMIT\_EGF\_RESPONSE\_40\_HELA, AMIT\_EGF\_RESPONSE\_40\_HELA  
JACKSON\_DNMT1\_TARGETS\_UP, JACKSON\_DNMT1\_TARGETS\_UP  
HOFFMANN\_PRE\_BI\_TO\_LARGE\_PRE\_BII\_LYMPHOCYTE\_DN, HOFFMANN\_PRE\_BI\_TO\_LARGE\_PRE\_BII\_LYMPHOCYTE\_DN  
FERRANDO\_T\_ALL\_WITH\_MLL\_ENL\_FUSION\_UP, FERRANDO\_T\_ALL\_WITH\_MLL\_ENL\_FUSION\_UP  
MCGARVEY\_SILENCED\_BY\_METHYLATION\_IN\_COLON\_CANCER, MCGARVEY\_SILENCED\_BY\_METHYLATION\_IN\_COLON\_CANCER  
SATO\_SILENCED\_BY\_METHYLATION\_IN\_PANCREATIC\_CANCER\_2, SATO\_SILENCED\_BY\_METHYLATION\_IN\_PANCREATIC\_CANCER\_2  
EPPERT\_HSC\_R, EPPERT\_HSC\_R  
REACTOME\_CELL\_SURFACE\_INTERACTIONS\_AT\_THE\_VASCULAR\_WALL, REACTOME\_CELL\_SURFACE\_INTERACTIONS\_AT\_THE\_VASCULAR\_WALL  
BOSCO\_ALLERGEN\_INDUCED\_TH2\_ASSOCIATED\_MODULE, BOSCO\_ALLERGEN\_INDUCED\_TH2\_ASSOCIATED\_MODULE  
GARGALOVIC\_RESPONSE\_TO\_OXIDIZED\_PHOSPHOLIPIDS\_TURQUOISE\_UP, GARGALOVIC\_RESPONSE\_TO\_OXIDIZED\_PHOSPHOLIPIDS\_TURQUOISE\_UP  
VALK\_AML\_WITH\_EVII, VALK\_AML\_WITH\_EVII  
ONDER\_CDH1\_TARGETS\_1\_UP, ONDER\_CDH1\_TARGETS\_1\_UP  
REACTOME\_DISEASES\_ASSOCIATED\_WITH\_GLYCOSAMINOGLYCAN\_METABOLISM, REACTOME\_DISEASES\_ASSOCIATED\_WITH\_GLYCOSAMINOGLYCAN\_METABOLISM  
LI\_WILMS\_TUMOR\_VS\_FETAL\_KIDNEY\_1\_UP, LI\_WILMS\_TUMOR\_VS\_FETAL\_KIDNEY\_1\_UP  
CROONQUIST\_STROMAL\_STIMULATION\_UP, CROONQUIST\_STROMAL\_STIMULATION\_UP  
RUIZ\_TNC\_TARGETS\_UP, RUIZ\_TNC\_TARGETS\_UP  
ROSS\_AML\_WITH\_AML1\_ETO\_FUSION, ROSS\_AML\_WITH\_AML1\_ETO\_FUSION  
KATSANOUELAVL1\_TARGETS\_UP, KATSANOUELAVL1\_TARGETS\_UP  
DIRMEIER\_LMP1\_RESPONSE\_EARLY, DIRMEIER\_LMP1\_RESPONSE\_EARLY  
LEE\_LIVER\_CANCER\_E2F1\_UP, LEE\_LIVER\_CANCER\_E2F1\_UP  
KERLEY\_RESPONSE\_TO\_CISPLATIN\_UP, KERLEY\_RESPONSE\_TO\_CISPLATIN\_UP  
ROSS\_ACUTE\_MYELOID\_LEUKEMIA\_CBF, ROSS\_ACUTE\_MYELOID\_LEUKEMIA\_CBF  
HERNANDEZ\_ABERRANT\_MITOSIS\_BY\_DOCETACEL\_2NM\_UP, HERNANDEZ\_ABERRANT\_MITOSIS\_BY\_DOCETACEL\_2NM\_UP  
COLDREN\_GEFITINIB\_RESISTANCE\_UP, COLDREN\_GEFITINIB\_RESISTANCE\_UP  
HOFMANN\_MYELODYSPLASTIC\_SYNDROM\_LOW\_RISK\_DN, HOFMANN\_MYELODYSPLASTIC\_SYNDROM\_LOW\_RISK\_DN  
ZHANG\_ANTIVIRAL\_RESPONSE\_TO\_RIBAVIRIN\_DN, ZHANG\_ANTIVIRAL\_RESPONSE\_TO\_RIBAVIRIN\_DN  
PID\_FGF\_PATHWAY, PID\_FGF\_PATHWAY  
SANSOM\_WNT\_PATHWAY\_REQUIRE\_MYC, SANSOM\_WNT\_PATHWAY\_REQUIRE\_MYC  
PID\_IL2\_1PATHWAY, PID\_IL2\_1PATHWAY  
MASSARWEH\_RESPONSE\_TO ESTRADIOL, MASSARWEH\_RESPONSE\_TO ESTRADIOL  
BROWNE\_HCMV\_INFECTION\_18HR\_DN, BROWNE\_HCMV\_INFECTION\_18HR\_DN  
AMIT\_EGF\_RESPONSE\_60\_MCF10A, AMIT\_EGF\_RESPONSE\_60\_MCF10A  
DAVICIONI\_MOLECULAR\_ARMS\_VS\_ERMS\_DN, DAVICIONI\_MOLECULAR\_ARMS\_VS\_ERMS\_DN  
CASTELLANO\_NRAS\_TARGETS\_UP, CASTELLANO\_NRAS\_TARGETS\_UP  
OKUMURA\_INFLAMMATORY\_RESPONSE\_LPS, OKUMURA\_INFLAMMATORY\_RESPONSE\_LPS  
DURAND\_STROMA\_NS\_UP, DURAND\_STROMA\_NS\_UP  
REACTOME\_L1CAM\_INTERACTIONS, REACTOME\_L1CAM\_INTERACTIONS  
IGLESIAS\_E2F\_TARGETS\_UP, IGLESIAS\_E2F\_TARGETS\_UP  
MISSIAGLIA\_REGULATED\_BY\_METHYLATION\_UP, MISSIAGLIA\_REGULATED\_BY\_METHYLATION\_UP  
PID\_LYSOPHOSPHOLIPID\_PATHWAY, PID\_LYSOPHOSPHOLIPID\_PATHWAY  
AMIT\_SERUM\_RESPONSE\_60\_MCF10A, AMIT\_SERUM\_RESPONSE\_60\_MCF10A  
FRASOR\_RESPONSE\_TO ESTRADIOL\_DN, FRASOR\_RESPONSE\_TO ESTRADIOL\_DN  
MORI\_IMMATURE\_B\_LYMPHOCYTE\_UP, MORI\_IMMATURE\_B\_LYMPHOCYTE\_UP  
BERENJENO\_ROCK\_SIGNALING\_NOT\_VIA\_RHOA\_UP, BERENJENO\_ROCK\_SIGNALING\_NOT\_VIA\_RHOA\_UP  
DER\_IFN\_GAMMA\_RESPONSE\_UP, DER\_IFN\_GAMMA\_RESPONSE\_UP  
PETRETTO\_CARDIAC\_HYPERTROPHY, PETRETTO\_CARDIAC\_HYPERTROPHY  
NELSON\_RESPONSE\_TO\_ANDROGEN\_UP, NELSON\_RESPONSE\_TO\_ANDROGEN\_UP  
ALONSO\_METASTASIS\_NEURAL\_UP, ALONSO\_METASTASIS\_NEURAL\_UP  
ZHANG\_ANTIVIRAL\_RESPONSE\_TO\_RIBAVIRIN\_UP, ZHANG\_ANTIVIRAL\_RESPONSE\_TO\_RIBAVIRIN\_UP  
MOROSETTI\_FACIOSCAPULOHUMERAL\_MUSCULAR\_DISTROPHY\_UP, MOROSETTI\_FACIOSCAPULOHUMERAL\_MUSCULAR\_DISTROPHY\_UP  
BASSO\_HAIRY\_CELL\_LEUKEMIA\_UP, BASSO\_HAIRY\_CELL\_LEUKEMIA\_UP  
KAPOSI\_LIVER\_CANCER\_MET\_UP, KAPOSI\_LIVER\_CANCER\_MET\_UP  
TONKS\_TARGETS\_OF\_RUNX1\_RUNX1T1\_FUSION\_SUSTAINED\_IN\_MONOCYTE\_UP, TONKS\_TARGETS\_OF\_RUNX1\_RUNX1T1\_FUSION\_SUSTAINED\_IN\_MONOCYTE\_UP  
REACTOME\_COLLAGEN\_DEGRADATION, REACTOME\_COLLAGEN\_DEGRADATION  
KRIGE\_AMINO\_ACID\_DEPRIVATION, KRIGE\_AMINO\_ACID\_DEPRIVATION  
REACTOME\_MYD88\_INDEPENDENT\_TLR4\_CASCADE, REACTOME\_MYD88\_INDEPENDENT\_TLR4\_CASCADE  
ELVIDGE\_HIF1A\_TARGETS\_DN, ELVIDGE\_HIF1A\_TARGETS\_DN  
BURTON\_ADIPOGENESIS\_PEAK\_AT\_0HR, BURTON\_ADIPOGENESIS\_PEAK\_AT\_0HR  
KAYO\_CALORIE\_RESTRICTION\_MUSCLE\_UP, KAYO\_CALORIE\_RESTRICTION\_MUSCLE\_UP  
WU\_SILENCED\_BY\_METHYLATION\_IN\_BLADDER\_CANCER, WU\_SILENCED\_BY\_METHYLATION\_IN\_BLADDER\_CANCER  
BOWIE\_RESPONSE\_TO\_TAMOXIFEN, BOWIE\_RESPONSE\_TO\_TAMOXIFEN  
TOMLINS\_PROSTATE\_CANCER\_UP, TOMLINS\_PROSTATE\_CANCER\_UP  
BIOCARTA\_PDGF\_PATHWAY, BIOCARTA\_PDGF\_PATHWAY  
SASAI\_RESISTANCE\_TO\_NEOPLASTIC\_TRANSFROMATION, SASAI\_RESISTANCE\_TO\_NEOPLASTIC\_TRANSFROMATION  
PLASARI\_TGFB1\_SIGNALING\_VIA\_NFIC\_10HR\_UP, PLASARI\_TGFB1\_SIGNALING\_VIA\_NFIC\_10HR\_UP  
BIOCARTA\_PPARA\_PATHWAY, BIOCARTA\_PPARA\_PATHWAY