

CD4\_TCELL\_VS\_48H\_ACT\_TH2\_DN, GSE22886\_NAIVE\_CD4\_TCELL\_VS\_48H\_ACT\_TH2\_DN

GSE22886\_NAIVE\_CD4\_TCELL\_VS\_NKCELL\_DN, GSE22886\_NAIVE\_CD4\_TCELL\_VS\_NKCELL\_DN  
GSE20152\_SPHK1\_KO\_VS\_WT\_HTNFA\_OVERXPRESS\_ANKLE\_DN, GSE20152\_SPHK1\_KO\_VS\_WT\_HTNFA\_OVERXPRESS\_ANKLE\_DN  
GSE15215\_CD2\_POS\_VS\_NEG\_PDC\_DN, GSE15215\_CD2\_POS\_VS\_NEG\_PDC\_DN  
GSE22033\_UNTREATED\_VS\_MRL24\_TREATED\_MEF\_UP, GSE22033\_UNTREATED\_VS\_MRL24\_TREATED\_MEF\_UP  
GSE23505\_IL6\_IL1\_VS\_IL6\_IL1\_TGFB\_TREATED\_CD4\_TCELL\_DN, GSE23505\_IL6\_IL1\_VS\_IL6\_IL1\_TGFB\_TREATED\_CD4\_TCELL\_DN  
GSE32986\_GMCSF\_VS\_GMCSF\_AND\_CURDLAN\_LOWDOSE\_STIM\_DC\_UP, GSE32986\_GMCSF\_VS\_GMCSF\_AND\_CURDLAN\_LOWDOSE\_STIM\_DC\_UP  
GSE4984\_GALECTIN1\_VS\_VEHICLE\_CTRL\_TREATED\_DC\_DN, GSE4984\_GALECTIN1\_VS\_VEHICLE\_CTRL\_TREATED\_DC\_DN  
GSE3982\_DC\_VS\_NEUTROPHIL\_UP, GSE3982\_DC\_VS\_NEUTROPHIL\_UP  
GSE22886\_CD8\_VS\_CD4\_NAIVE\_TCELL\_UP, GSE22886\_CD8\_VS\_CD4\_NAIVE\_TCELL\_UP  
GSE37416\_0H\_VS\_3H\_F\_TULARENSIS\_LVS\_NEUTROPHIL\_DN, GSE37416\_0H\_VS\_3H\_F\_TULARENSIS\_LVS\_NEUTROPHIL\_DN  
GSE19923\_WT\_VS\_HEB\_AND\_E2A\_KO\_DP\_THYMOCYTE\_UP, GSE19923\_WT\_VS\_HEB\_AND\_E2A\_KO\_DP\_THYMOCYTE\_UP  
GSE27786\_LIN\_NEG\_VS\_NKTCELL\_UP, GSE27786\_LIN\_NEG\_VS\_NKTCELL\_UP  
GSE3982\_EOSINOPHIL\_VS\_DC\_DN, GSE3982\_EOSINOPHIL\_VS\_DC\_DN  
GSE1460\_NAIVE\_CD4\_TCELL\_CORD\_BLOOD\_VS\_THYMIC\_STROMAL\_CELL\_DN, GSE1460\_NAIVE\_CD4\_TCELL\_CORD\_BLOOD\_VS\_THYMIC\_STROMAL\_CELL\_DN  
GSE5455\_EX\_VIVO\_VS\_POST\_24H\_INCUBATION\_MONOCYTES\_FROM\_TUMOR\_BEARING\_MOUSE\_UP, GSE5455\_EX\_VIVO\_VS\_POST\_24H\_INCUBATION\_MONOCYTES\_FROM\_TUMOR\_BEARING\_MOUSE\_UP  
GSE12392\_CD8A\_POS\_VS\_NEG\_SPLEEN\_IFNB\_KO\_DC\_UP, GSE12392\_CD8A\_POS\_VS\_NEG\_SPLEEN\_IFNB\_KO\_DC\_UP  
MODULE\_36, MODULE\_36  
GSE37533\_PPARG1\_FOXP3\_VS\_FOXP3\_TRANSDUCED\_CD4\_TCELL\_UP, GSE37533\_PPARG1\_FOXP3\_VS\_FOXP3\_TRANSDUCED\_CD4\_TCELL\_UP  
GSE9006\_HEALTHY\_VS\_TYPE\_2\_DIABETES\_PBMG\_AT\_DX\_DN, GSE9006\_HEALTHY\_VS\_TYPE\_2\_DIABETES\_PBMG\_AT\_DX\_DN  
GSE39022\_LN\_VS\_SPLEEN\_DC\_UP, GSE39022\_LN\_VS\_SPLEEN\_DC\_UP  
GSE17721\_POLYIC\_VS\_CPG\_1H\_BMDC\_UP, GSE17721\_POLYIC\_VS\_CPG\_1H\_BMDC\_UP  
GSE13484\_UNSTIM\_VS\_YF17D\_VACCINE\_STIM\_PBMG\_DN, GSE13484\_UNSTIM\_VS\_YF17D\_VACCINE\_STIM\_PBMG\_DN  
GSE7460\_WT\_VS\_FOXP3\_HET\_ACT\_TCONV\_DN, GSE7460\_WT\_VS\_FOXP3\_HET\_ACT\_TCONV\_DN  
CHUNG\_BLISTER\_CYTOTOXICITY\_UP, CHUNG\_BLISTER\_CYTOTOXICITY\_UP  
GSE17301\_CTRL\_VS\_48H\_ACD3\_ACD28\_IFNA2\_STIM\_CD8\_TCELL\_DN, GSE17301\_CTRL\_VS\_48H\_ACD3\_ACD28\_IFNA2\_STIM\_CD8\_TCELL\_DN  
GSE17974\_CTRL\_VS\_ACT\_IL4\_AND\_ANTI\_IL12\_6H\_CD4\_TCELL\_DN, GSE17974\_CTRL\_VS\_ACT\_IL4\_AND\_ANTI\_IL12\_6H\_CD4\_TCELL\_DN  
GSE18804\_SPLEEN\_MACROPHAGE\_VS\_TUMORAL\_MACROPHAGE\_UP, GSE18804\_SPLEEN\_MACROPHAGE\_VS\_TUMORAL\_MACROPHAGE\_UP  
GSE42724\_MEMORY\_VS\_B1\_BCELL\_DN, GSE42724\_MEMORY\_VS\_B1\_BCELL\_DN  
GSE1460\_CORD\_VS\_ADULT\_BLOOD\_NAIVE\_CD4\_TCELL\_UP, GSE1460\_CORD\_VS\_ADULT\_BLOOD\_NAIVE\_CD4\_TCELL\_UP  
GSE20152\_SPHK1\_KO\_VS\_HTNFA\_OVEREXPRESS\_ANKLE\_UP, GSE20152\_SPHK1\_KO\_VS\_HTNFA\_OVEREXPRESS\_ANKLE\_UP  
GSE22611\_NOD2\_VS\_MUTANT\_NOD2\_TRANSDUCED\_HEK293T\_CELL\_UP, GSE22611\_NOD2\_VS\_MUTANT\_NOD2\_TRANSDUCED\_HEK293T\_CELL\_UP  
GO\_MYELOID\_CELL\_DIFFERENTIATION, GO\_MYELOID\_CELL\_DIFFERENTIATION  
GSE21670\_UNTREATED\_VS\_TGFB\_TREATED\_STAT3\_KO\_CD4\_TCELL\_DN, GSE21670\_UNTREATED\_VS\_TGFB\_TREATED\_STAT3\_KO\_CD4\_TCELL\_DN  
BOSCO\_ALLERGEN\_INDUCED\_TH2\_ASSOCIATED\_MODULE, BOSCO\_ALLERGEN\_INDUCED\_TH2\_ASSOCIATED\_MODULE  
GSE1925\_CTRL\_VS\_IFNG\_PRIMED\_MACROPHAGE\_24H\_IFNG\_STIM\_UP, GSE1925\_CTRL\_VS\_IFNG\_PRIMED\_MACROPHAGE\_24H\_IFNG\_STIM\_UP  
GALE\_APL\_WITH\_FLT3\_MUTATED\_UP, GALE\_APL\_WITH\_FLT3\_MUTATED\_UP  
GSE41867\_NAIVE\_VS\_DAY8\_LCMV\_ARMSTRONG\_EFFECTOR\_CD8\_TCELL\_UP, GSE41867\_NAIVE\_VS\_DAY8\_LCMV\_ARMSTRONG\_EFFECTOR\_CD8\_TCELL\_UP  
CTGTAC\_MIR194, CTGTAC\_MIR194  
GSE26488\_WT\_VS\_HDAC7\_DELTAP\_TG\_OT2\_THYMOCYTE\_WITH\_PEPTIDE\_INJECTION\_DN, GSE26488\_WT\_VS\_HDAC7\_DELTAP\_TG\_OT2\_THYMOCYTE\_WITH\_PEPTIDE\_INJECTION\_DN  
CHEN\_LVAD\_SUPPORT\_OF\_FAILING\_HEART\_UP, CHEN\_LVAD\_SUPPORT\_OF\_FAILING\_HEART\_UP  
GO\_HEMATOPOIETIC\_PROGENITOR\_CELL\_DIFFERENTIATION, GO\_HEMATOPOIETIC\_PROGENITOR\_CELL\_DIFFERENTIATION  
MMS\_MOUSE\_LYMPH\_HIGH\_4HRS\_UP, MMS\_MOUSE\_LYMPH\_HIGH\_4HRS\_UP  
GO\_HEXOSE\_METABOLIC\_PROCESS, GO\_HEXOSE\_METABOLIC\_PROCESS  
GSE27786\_LSK\_VS\_MONO\_MAC\_DN, GSE27786\_LSK\_VS\_MONO\_MAC\_DN  
KEGG\_P53\_SIGNALING\_PATHWAY, KEGG\_P53\_SIGNALING\_PATHWAY  
GSE17721\_CTRL\_VS\_GARDIQUIMOD\_1H\_BMDC\_DN, GSE17721\_CTRL\_VS\_GARDIQUIMOD\_1H\_BMDC\_DN  
GSE19941\_UNSTIM\_VS\_LPS\_AND\_IL10\_STIM\_IL10\_KO\_NFKBP50\_KO\_MACROPHAGE\_DN, GSE19941\_UNSTIM\_VS\_LPS\_AND\_IL10\_STIM\_IL10\_KO\_NFKBP50\_KO\_MACROPHAGE\_DN  
SHAFFER\_IRF4\_TARGETS\_IN\_ACTIVATED\_DENDRITIC\_CELL, SHAFFER\_IRF4\_TARGETS\_IN\_ACTIVATED\_DENDRITIC\_CELL  
BROWNE\_HCMV\_INFECTION\_8HR\_UP, BROWNE\_HCMV\_INFECTION\_8HR\_UP  
HELLER\_SILENCED\_BY\_METHYLATION\_DN, HELLER\_SILENCED\_BY\_METHYLATION\_DN  
GSE29949\_CD8\_NEG\_DC\_SPLEEN\_VS\_MONOCYTE\_BONE\_MARROW\_DN, GSE29949\_CD8\_NEG\_DC\_SPLEEN\_VS\_MONOCYTE\_BONE\_MARROW\_DN  
SIRNA\_EIF4GI\_DN, SIRNA\_EIF4GI\_DN  
GSE21774\_CD62L\_POS\_CD56\_DIM\_VS\_CD62L\_NEG\_CD56\_DIM\_NK\_CELL\_DN, GSE21774\_CD62L\_POS\_CD56\_DIM\_VS\_CD62L\_NEG\_CD56\_DIM\_NK\_CELL\_DN  
GO\_RIBONUCLEOSIDE\_DIPHOSPHATE\_METABOLIC\_PROCESS, GO\_RIBONUCLEOSIDE\_DIPHOSPHATE\_METABOLIC\_PROCESS  
GOLUB\_ALL\_VS\_AML\_UP, GOLUB\_ALL\_VS\_AML\_UP  
GSE27786\_NKCELL\_VS\_MONO\_MAC\_DN, GSE27786\_NKCELL\_VS\_MONO\_MAC\_DN  
REACTOME\_INTRINSIC\_PATHWAY\_FOR\_APOPTOSIS, REACTOME\_INTRINSIC\_PATHWAY\_FOR\_APOPTOSIS  
GO\_NUCLEOSIDE\_DIPHOSPHATE\_METABOLIC\_PROCESS, GO\_NUCLEOSIDE\_DIPHOSPHATE\_METABOLIC\_PROCESS  
GTGGTGA\_MIR197, GTGGTGA\_MIR197  
GSE16450\_CTRL\_VS\_IFNA\_12H\_STIM\_IMMATURE\_NEURON\_CELL\_LINE\_DN, GSE16450\_CTRL\_VS\_IFNA\_12H\_STIM\_IMMATURE\_NEURON\_CELL\_LINE\_DN  
KORKOLA\_YOLK\_SAC\_TUMOR\_UP, KORKOLA\_YOLK\_SAC\_TUMOR\_UP  
GO\_PROTEIN\_HETEROTETRAMERIZATION, GO\_PROTEIN\_HETEROTETRAMERIZATION  
BIOCARTA\_MITOCHONDRIA\_PATHWAY, BIOCARTA\_MITOCHONDRIA\_PATHWAY  
HOLLEMAN\_ASPARAGINASE\_RESISTANCE\_ALL\_DN, HOLLEMAN\_ASPARAGINASE\_RESISTANCE\_ALL\_DN  
MODULE\_204, MODULE\_204  
REACTOME\_ALPHA\_LINOLENIC\_ACID\_ALA\_METABOLISM, REACTOME\_ALPHA\_LINOLENIC\_ACID\_ALA\_METABOLISM  
GO\_MYELOID\_LEUKOCYTE\_DIFFERENTIATION, GO\_MYELOID\_LEUKOCYTE\_DIFFERENTIATION  
GSE4590\_PRE\_BCELL\_VS\_VPREB\_POS\_LARGE\_PRE\_BCELL\_UP, GSE4590\_PRE\_BCELL\_VS\_VPREB\_POS\_LARGE\_PRE\_BCELL\_UP  
GSE1112\_OT1\_CD8AB\_VS\_HY\_CD8AA\_THYMOCYTE\_RTOC\_CULTURE\_DN, GSE1112\_OT1\_CD8AB\_VS\_HY\_CD8AA\_THYMOCYTE\_RTOC\_CULTURE\_DN  
RODRIGUES\_NTN1\_AND\_DCC\_TARGETS, RODRIGUES\_NTN1\_AND\_DCC\_TARGETS  
BIOCARTA\_CHEMICAL\_PATHWAY, BIOCARTA\_CHEMICAL\_PATHWAY  
GO\_B\_CELL\_HOMEOSTASIS, GO\_B\_CELL\_HOMEOSTASIS  
GO\_NEURON\_APOPTOTIC\_PROCESS, GO\_NEURON\_APOPTOTIC\_PROCESS  
GO\_LYMPHOCYTE\_HOMEOSTASIS, GO\_LYMPHOCYTE\_HOMEOSTASIS  
GSE27786\_ERYTHROBLAST\_VS\_MONO\_MAC\_UP, GSE27786\_ERYTHROBLAST\_VS\_MONO\_MAC\_UP  
GO\_PROTEASOME\_ASSEMBLY, GO\_PROTEASOME\_ASSEMBLY  
GO\_ALPHA\_LINOLENIC\_ACID\_METABOLIC\_PROCESS, GO\_ALPHA\_LINOLENIC\_ACID\_METABOLIC\_PROCESS  
BARRIER\_CANCER\_RELAPSE\_TUMOR\_SAMPLE\_UP, BARRIER\_CANCER\_RELAPSE\_TUMOR\_SAMPLE\_UP  
LEE\_AGING\_MUSCLE\_UP, LEE\_AGING\_MUSCLE\_UP  
REACTOME\_SYNTHESIS\_OF\_GLYCOSYLPHOSPHATIDYLINOSITOL\_GPI, REACTOME\_SYNTHESIS\_OF\_GLYCOSYLPHOSPHATIDYLINOSITOL\_GPI  
GO\_ACIDIC\_AMINO\_ACID\_TRANSPORT, GO\_ACIDIC\_AMINO\_ACID\_TRANSPORT  
KEGG\_TERPENOID\_BACKBONE\_BIOSYNTHESIS, KEGG\_TERPENOID\_BACKBONE\_BIOSYNTHESIS  
GO\_MONOCARBOXYLIC\_ACID\_BIOSYNTHETIC\_PROCESS, GO\_MONOCARBOXYLIC\_ACID\_BIOSYNTHETIC\_PROCESS  
GO\_NUCLEAR\_INNER\_MEMBRANE, GO\_NUCLEAR\_INNER\_MEMBRANE  
HASLINGER\_B\_CLL\_WITH\_6Q21\_DELETION, HASLINGER\_B\_CLL\_WITH\_6Q21\_DELETION  
REACTOME\_APOPTOSIS\_INDUCED\_DNA\_FRAGMENTATION, REACTOME\_APOPTOSIS\_INDUCED\_DNA\_FRAGMENTATION  
GO\_PREASSEMBLY\_OF\_GPI\_ANCHOR\_IN\_ER\_MEMBRANE, GO\_PREASSEMBLY\_OF\_GPI\_ANCHOR\_IN\_ER\_MEMBRANE  
SESTO\_RESPONSE\_TO\_UV\_C3, SESTO\_RESPONSE\_TO\_UV\_C3  
ONO\_AML1\_TARGETS\_DN, ONO\_AML1\_TARGETS\_DN  
GSE13522\_CTRL\_VS\_T\_CRUZI\_Y\_STRAIN\_INF\_SKIN\_IFNG\_KO\_DN, GSE13522\_CTRL\_VS\_T\_CRUZI\_Y\_STRAIN\_INF\_SKIN\_IFNG\_KO\_DN  
GO\_DNA\_POLYMERASE\_BINDING, GO\_DNA\_POLYMERASE\_BINDING  
GO\_REGULATION\_OF\_EXIT\_FROM\_MITOSIS, GO\_REGULATION\_OF\_EXIT\_FROM\_MITOSIS  
GHANDHI\_BYSTANDER\_IRRADIATION\_UP, GHANDHI\_BYSTANDER\_IRRADIATION\_UP  
RIZKI\_TUMOR\_INVASIVENESS\_2D\_DN, RIZKI\_TUMOR\_INVASIVENESS\_2D\_DN  
GO\_NEGATIVE\_REGULATION\_OF\_EXTRINSIC\_APOPTOTIC\_SIGNALING\_PATHWAY, GO\_NEGATIVE\_REGULATION\_OF\_EXTRINSIC\_APOPTOTIC\_SIGNALING\_PATHWAY  
GO\_DENDRITIC\_SHAFT, GO\_DENDRITIC\_SHAFT  
GO\_NEGATIVE\_REGULATION\_OF\_EXTRINSIC\_APOPTOTIC\_SIGNALING\_PATHWAY\_VIA\_DEATH\_DOMAIN\_RECEPTORS, GO\_NEGATIVE\_REGULATION\_OF\_EXTRINSIC\_APOPTOTIC\_SIGNALING\_PATHWAY\_VIA\_DEATH\_DOMAIN\_RECEPTORS  
GO\_REGULATION\_OF\_EXTRINSIC\_APOPTOTIC\_SIGNALING\_PATHWAY\_VIA\_DEATH\_DOMAIN\_RECEPTORS, GO\_REGULATION\_OF\_EXTRINSIC\_APOPTOTIC\_SIGNALING\_PATHWAY\_VIA\_DEATH\_DOMAIN\_RECEPTORS  
RB\_P130\_DN.V1\_UP, RB\_P130\_DN.V1\_UP  
CHEOK\_RESPONSE\_TO\_MERCAPTOPURINE\_AND\_LD\_MTX\_DN, CHEOK\_RESPONSE\_TO\_MERCAPTOPURINE\_AND\_LD\_MTX\_DN  
GO\_NEURON\_DEATH, GO\_NEURON\_DEATH  
chr16p12, chr16p12  
GO\_CELLULAR\_RESPONSE\_TO\_ZINC\_ION, GO\_CELLULAR\_RESPONSE\_TO\_ZINC\_ION  
chr2p21, chr2p21  
MATTIOLI\_MULTIPLE\_MYELOMA\_SUBGROUPS, MATTIOLI\_MULTIPLE\_MYELOMA\_SUBGROUPS  
GO\_POSITIVE\_T\_CELL\_SELECTION, GO\_POSITIVE\_T\_CELL\_SELECTION  
GO\_PLATELET\_DENSE\_TUBULAR\_NETWORK, GO\_PLATELET\_DENSE\_TUBULAR\_NETWORK