

T\_IL6\_INJECTION\_SOCS3\_KO\_LIVER\_DN, GSE369\_PRE\_VS\_POST\_IL6\_INJECTION\_SOCS3\_KO\_LIVER\_DN

GSE22140\_HEALTHY\_VS\_ARTHRITIC\_MOUSE\_CD4\_TCELL\_DN, GSE22140\_HEALTHY\_VS\_ARTHRITIC\_MOUSE\_CD4\_TCELL\_DN  
GSE22886\_NAIVE\_CD8\_TCELL\_VS\_MONOCYTE\_DN, GSE22886\_NAIVE\_CD8\_TCELL\_VS\_MONOCYTE\_DN  
GSE27786\_NKCELL\_VS\_NKTCELL\_UP, GSE27786\_NKCELL\_VS\_NKTCELL\_UP  
GSE29618\_BCELL\_VS\_MONOCYTE\_DN, GSE29618\_BCELL\_VS\_MONOCYTE\_DN  
GSE36888\_STAT5\_AB\_KNOCKIN\_VS\_WT\_TCELL\_IL2\_TREATED\_2H\_UP, GSE36888\_STAT5\_AB\_KNOCKIN\_VS\_WT\_TCELL\_IL2\_TREATED\_2H\_UP  
GSE24634\_TREG\_VS\_TCONV\_POST\_DAY7\_IL4\_CONVERSION\_DN, GSE24634\_TREG\_VS\_TCONV\_POST\_DAY7\_IL4\_CONVERSION\_DN  
GSE19401\_PAM2CSK4\_VS\_RETINOIC\_ACID\_AND\_PAM2CSK4\_STIM\_FOLLICULAR\_DC\_DN, GSE19401\_PAM2CSK4\_VS\_RETINOIC\_ACID\_AND\_PAM2CSK4\_STIM\_FOLLICULAR\_DC\_DN  
GSE21670\_UNTREATED\_VS\_IL6\_TREATED\_STAT3\_KO\_CD4\_TCELL\_UP, GSE21670\_UNTREATED\_VS\_IL6\_TREATED\_STAT3\_KO\_CD4\_TCELL\_UP  
GSE45365\_WT\_VS\_IFNAR\_KO\_CD8A\_DC\_MCMV\_INFECTION\_UP, GSE45365\_WT\_VS\_IFNAR\_KO\_CD8A\_DC\_MCMV\_INFECTION\_UP  
GSE24634\_TREG\_VS\_TCONV\_POST\_DAY10\_IL4\_CONVERSION\_DN, GSE24634\_TREG\_VS\_TCONV\_POST\_DAY10\_IL4\_CONVERSION\_DN  
GSE6269\_E\_COLI\_VS\_STAPH\_AUREUS\_INF\_PBMC\_DN, GSE6269\_E\_COLI\_VS\_STAPH\_AUREUS\_INF\_PBMC\_DN  
GSE14308\_TH1\_VS\_TH17\_DN, GSE14308\_TH1\_VS\_TH17\_DN  
GSE24634\_TREG\_VS\_TCONV\_POST\_DAY3\_IL4\_CONVERSION\_DN, GSE24634\_TREG\_VS\_TCONV\_POST\_DAY3\_IL4\_CONVERSION\_DN  
GSE9037\_CTRL\_VS\_LPS\_4H\_STIM\_IRAK4\_KO\_BMDM\_UP, GSE9037\_CTRL\_VS\_LPS\_4H\_STIM\_IRAK4\_KO\_BMDM\_UP  
GSE2706\_2H\_VS\_8H\_R848\_STIM\_DC\_UP, GSE2706\_2H\_VS\_8H\_R848\_STIM\_DC\_UP  
GSE6259\_DEC205\_POS\_DC\_VS\_CD4\_TCELL\_DN, GSE6259\_DEC205\_POS\_DC\_VS\_CD4\_TCELL\_DN  
GSE10240\_CTRL\_VS\_IL17\_STIM\_PRIMARY\_BRONCHIAL\_EPITHELIAL\_CELLS\_DN, GSE10240\_CTRL\_VS\_IL17\_STIM\_PRIMARY\_BRONCHIAL\_EPITHELIAL\_CELLS\_DN  
GSE5589\_LPS\_VS\_LPS\_AND\_IL6\_STIM\_MACROPHAGE\_45MIN\_UP, GSE5589\_LPS\_VS\_LPS\_AND\_IL6\_STIM\_MACROPHAGE\_45MIN\_UP  
GSE26030\_UNSTIM\_VS\_RESTIM\_TH17\_DAY15\_POST\_POLARIZATION\_DN, GSE26030\_UNSTIM\_VS\_RESTIM\_TH17\_DAY15\_POST\_POLARIZATION\_DN  
GSE28737\_FOLLICULAR\_VS\_MARGINAL\_ZONE\_BCELL\_BCL6\_HET\_UP, GSE28737\_FOLLICULAR\_VS\_MARGINAL\_ZONE\_BCELL\_BCL6\_HET\_UP  
GSE36888\_UNTREATED\_VS\_IL2\_TREATED\_TCELL\_17H\_UP, GSE36888\_UNTREATED\_VS\_IL2\_TREATED\_TCELL\_17H\_UP  
GSE37416\_12H\_VS\_24H\_F\_TULARENSIS\_LVS\_NEUTROPHIL\_DN, GSE37416\_12H\_VS\_24H\_F\_TULARENSIS\_LVS\_NEUTROPHIL\_DN  
GSE37533\_UNTREATED\_VS\_PIOGLIZATONE\_TREATED\_CD4\_TCELL\_PPARG1\_AND\_FOXP3\_TRASDUCED\_DN, GSE37533\_UNTREATED\_VS\_PIOGLIZATONE\_TREATED\_CD4\_TCELL\_PPARG1\_AND\_FOXP3\_TRASDUCED\_DN  
GSE14000\_4H\_VS\_16H\_LPS\_DC\_TRANSLATED\_RNA\_UP, GSE14000\_4H\_VS\_16H\_LPS\_DC\_TRANSLATED\_RNA\_UP  
GSE26669\_CTRL\_VS\_COSTIM\_BLOCK\_MLR\_CD8\_TCELL\_DN, GSE26669\_CTRL\_VS\_COSTIM\_BLOCK\_MLR\_CD8\_TCELL\_DN  
GSE24634\_TEFF\_VS\_TCONV\_DAY10\_IN\_CULTURE\_DN, GSE24634\_TEFF\_VS\_TCONV\_DAY10\_IN\_CULTURE\_DN  
GSE44955\_MCSF\_VS\_MCSF\_AND\_IL27\_STIM\_MACROPHAGE\_DN, GSE44955\_MCSF\_VS\_MCSF\_AND\_IL27\_STIM\_MACROPHAGE\_DN  
GSE45365\_NK\_CELL\_VS\_CD8A\_DC\_UP, GSE45365\_NK\_CELL\_VS\_CD8A\_DC\_UP  
GSE13485\_DAY1\_VS\_DAY21\_YF17D\_VACCINE\_PBMC\_UP, GSE13485\_DAY1\_VS\_DAY21\_YF17D\_VACCINE\_PBMC\_UP  
PRC2\_EED\_UP.V1\_DN, PRC2\_EED\_UP.V1\_DN  
GSE21546\_SAP1A\_KO\_VS\_SAP1A\_KO\_AND\_ELK1\_KO\_ANTI\_CD3\_STIM\_DP\_THYMOCYTES\_DN, GSE21546\_SAP1A\_KO\_VS\_SAP1A\_KO\_AND\_ELK1\_KO\_ANTI\_CD3\_STIM\_DP\_THYMOCYTES\_DN  
GSE7460\_CD8\_TCELL\_VS\_TREG\_ACT\_UP, GSE7460\_CD8\_TCELL\_VS\_TREG\_ACT\_UP  
GSE360\_DC\_VS\_MAC\_DN, GSE360\_DC\_VS\_MAC\_DN  
GSE12845\_IGD\_POS\_BLOOD\_VS\_DARKZONE\_GC\_TONSIL\_BCELL\_UP, GSE12845\_IGD\_POS\_BLOOD\_VS\_DARKZONE\_GC\_TONSIL\_BCELL\_UP  
GSE36826\_WT\_VS\_IL1R\_KO\_SKIN\_UP, GSE36826\_WT\_VS\_IL1R\_KO\_SKIN\_UP  
BIDUS\_METASTASIS\_DN, BIDUS\_METASTASIS\_DN  
LIN\_APC\_TARGETS, LIN\_APC\_TARGETS  
BIOCARTA\_MAPK\_PATHWAY, BIOCARTA\_MAPK\_PATHWAY  
REACTOME\_PHOSPHOLIPID\_METABOLISM, REACTOME\_PHOSPHOLIPID\_METABOLISM  
GO\_REGULATION\_OF\_AXONOGENESIS, GO\_REGULATION\_OF\_AXONOGENESIS  
P53\_DN.V1\_DN, P53\_DN.V1\_DN  
GSE5099\_UNSTIM\_VS\_MCSF\_TREATED\_MONOCYTE\_DAY7\_DN, GSE5099\_UNSTIM\_VS\_MCSF\_TREATED\_MONOCYTE\_DAY7\_DN  
ATF2\_S\_UP.V1\_DN, ATF2\_S\_UP.V1\_DN  
GSE23114\_WT\_VS\_SLE2C1\_MOUSE\_SPLEEN\_B1A\_BCELL\_DN, GSE23114\_WT\_VS\_SLE2C1\_MOUSE\_SPLEEN\_B1A\_BCELL\_DN  
ZHONG\_RESPONSE\_TO\_AZACITIDINE\_AND\_TSA\_UP, ZHONG\_RESPONSE\_TO\_AZACITIDINE\_AND\_TSA\_UP  
MODULE\_350, MODULE\_350  
BARRIER\_COLON\_CANCER\_RECURRENCE\_DN, BARRIER\_COLON\_CANCER\_RECURRENCE\_DN  
SIG\_PIP3\_SIGNALING\_IN\_B\_LYMPHOCYTES, SIG\_PIP3\_SIGNALING\_IN\_B\_LYMPHOCYTES  
GSE22025\_UNTREATED\_VS\_TGFB1\_AND\_PROGESTERONE\_TREATED\_CD4\_TCELL\_UP, GSE22025\_UNTREATED\_VS\_TGFB1\_AND\_PROGESTERONE\_TREATED\_CD4\_TCELL\_UP  
TTGGGAG\_MIR150, TTGGGAG\_MIR150  
HALLMARK\_MYOGENESIS, HALLMARK\_MYOGENESIS  
GO\_PEPTIDYL\_TYROSINE\_MODIFICATION, GO\_PEPTIDYL\_TYROSINE\_MODIFICATION  
AKT\_UP\_MTOR\_DN.V1\_DN, AKT\_UP\_MTOR\_DN.V1\_DN  
NADLER\_OBESITY\_UP, NADLER\_OBESITY\_UP  
GSE1791\_CTRL\_VS\_NEUROMEDINU\_IN\_T\_CELL\_LINE\_0.8H\_DN, GSE1791\_CTRL\_VS\_NEUROMEDINU\_IN\_T\_CELL\_LINE\_0.8H\_DN  
GSE16266\_CTRL\_VS\_LPS\_STIM\_MEF\_DN, GSE16266\_CTRL\_VS\_LPS\_STIM\_MEF\_DN  
REACTOME\_SIGNALING\_BY\_RHO\_GTPASES, REACTOME\_SIGNALING\_BY\_RHO\_GTPASES  
GSE3337\_CTRL\_VS\_16H\_IFNG\_IN\_CD8POS\_DC\_UP, GSE3337\_CTRL\_VS\_16H\_IFNG\_IN\_CD8POS\_DC\_UP  
ST\_ERK1\_ERK2\_MAPK\_PATHWAY, ST\_ERK1\_ERK2\_MAPK\_PATHWAY  
BROWNE\_HCMV\_INFECTION\_18HR\_DN, BROWNE\_HCMV\_INFECTION\_18HR\_DN  
REACTOME\_TRIGLYCERIDE\_BIOSYNTHESIS, REACTOME\_TRIGLYCERIDE\_BIOSYNTHESIS  
BARRIER\_CANCER\_RELAPSE\_NORMAL\_SAMPLE\_DN, BARRIER\_CANCER\_RELAPSE\_NORMAL\_SAMPLE\_DN  
GSE30153\_LUPUS\_VS\_HEALTHY\_DONOR\_BCELL\_DN, GSE30153\_LUPUS\_VS\_HEALTHY\_DONOR\_BCELL\_DN  
VEGF\_A\_UP.V1\_UP, VEGF\_A\_UP.V1\_UP  
GSE3982\_NKCELL\_VS\_TH1\_UP, GSE3982\_NKCELL\_VS\_TH1\_UP  
LEE\_METASTASIS\_AND\_ALTERNATIVE\_SPLICING\_UP, LEE\_METASTASIS\_AND\_ALTERNATIVE\_SPLICING\_UP  
GSE27859\_MACROPHAGE\_VS\_DC\_DN, GSE27859\_MACROPHAGE\_VS\_DC\_DN  
VILIMAS\_NOTCH1\_TARGETS\_DN, VILIMAS\_NOTCH1\_TARGETS\_DN  
OUYANG\_PROSTATE\_CANCER\_PROGRESSION\_DN, OUYANG\_PROSTATE\_CANCER\_PROGRESSION\_DN  
REACTOME\_GASTRIN\_CREB\_SIGNALLING\_PATHWAY\_VIA\_PKC\_AND\_MAPK, REACTOME\_GASTRIN\_CREB\_SIGNALLING\_PATHWAY\_VIA\_PKC\_AND\_MAPK  
PIGF\_UP.V1\_DN, PIGF\_UP.V1\_DN  
FARMER\_BREAST\_CANCER\_CLUSTER\_7, FARMER\_BREAST\_CANCER\_CLUSTER\_7  
BERTUCCI\_INVASIVE\_CARCINOMA\_DUCTAL\_VS\_LOBULAR\_DN, BERTUCCI\_INVASIVE\_CARCINOMA\_DUCTAL\_VS\_LOBULAR\_DN  
GO\_OLIGOSACCHARIDE\_CATABOLIC\_PROCESS, GO\_OLIGOSACCHARIDE\_CATABOLIC\_PROCESS  
KEGG\_OTHER\_GLYCAN\_DEGRADATION, KEGG\_OTHER\_GLYCAN\_DEGRADATION  
STEGER\_ADIPOGENESIS\_DN, STEGER\_ADIPOGENESIS\_DN  
SA\_B\_CELL\_RECEPTOR\_COMPLEXES, SA\_B\_CELL\_RECEPTOR\_COMPLEXES  
GO\_INSULIN\_LIKE\_GROWTH\_FACTOR\_RECEPTOR\_SIGNALING\_PATHWAY, GO\_INSULIN\_LIKE\_GROWTH\_FACTOR\_RECEPTOR\_SIGNALING\_PATHWAY  
GO\_SYNAPTIC\_VESICLE\_ENDOCYTOSIS, GO\_SYNAPTIC\_VESICLE\_ENDOCYTOSIS  
PID\_RHOA\_REG\_PATHWAY, PID\_RHOA\_REG\_PATHWAY