

GSE46606.UNSTIM.VS.CD40L\_IL2\_IL5\_3DAY.STIMULATED.IRF4\_KO.BCELL.DN,GSE46606.UNSTIM.VS.CD40L\_IL2\_IL5\_3DAY.STIMULATED.IRF4\_KO.BCELL.DN,GSE37416\_12H.VS.48H\_F\_TULARENSIS.LVS.NEUTROPHIL.UP,GSE37416\_12H.VS.48H\_F\_TULARENSIS.LVS.NEUTROPHIL.UP,GSE42021.CD24HL.VS.CD24INT\_TREG\_THYMUS.DN,GSE42021.CD24HL.VS.CD24INT\_TREG\_THYMUS.DN,GSE26890.CXCR1\_NEG.VS.POS\_EFFECTOR.CD8\_TCELL.UP,GSE26890.CXCR1\_NEG.VS.POS\_EFFECTOR.CD8\_TCELL.UP,GSE21927.SPLEEN\_C57BL6.VS\_4T1\_TUMOR\_BALBC\_MONOCYTES.DN,GSE21927.SPLEEN\_C57BL6.VS\_4T1\_TUMOR\_BALBC\_MONOCYTES.DN,GSE37533.PPARG1\_FOXP3.VS.FOXP3\_TRANSDUCED.CD4\_TCELL.DN,GSE37533.PPARG1\_FOXP3.VS.FOXP3\_TRANSDUCED.CD4\_TCELL.DN,GSE13485.CTRL.VS.DAY7\_YF17D\_VACCINE\_PBMC.DN,GSE13485.CTRL.VS.DAY7\_YF17D\_VACCINE\_PBMC.DN,GSE37533.PPARG1\_FOXP3.VS.FOXP3\_TRANSDUCED.CD4\_TCELL.DN,GSE37533.PPARG1\_FOXP3.VS.FOXP3\_TRANSDUCED.CD4\_TCELL.DN,GSE6269.FLU.VS.STREP\_PNEUMO\_INF\_PBMC.UP,GSE6269.FLU.VS.STREP\_PNEUMO\_INF\_PBMC.UP,GSE2770.TGFB\_AND\_IL4\_ACT.VS\_ACT\_CD4\_TCELL\_2H.DN,GSE2770.TGFB\_AND\_IL4\_ACT.VS\_ACT\_CD4\_TCELL\_2H.DN,GSE18791.CTRL.VS.NEWCASTLE\_VIRUS\_DC\_6H.DN,GSE18791.CTRL.VS.NEWCASTLE\_VIRUS\_DC\_6H.DN,GSE1432\_1H.VS.24H\_IFNG\_MICROGLIA.DN,GSE1432\_1H.VS.24H\_IFNG\_MICROGLIA.DN,GSE42724.MEMORY\_BCELL\_VS\_PLASMABLAST.UP,GSE42724.MEMORY\_BCELL\_VS\_PLASMABLAST.UP,GSE34006.A2AR\_KO\_VS.A2AR\_AGONIST\_TREATED\_TREG.UP,GSE34006.A2AR\_KO\_VS.A2AR\_AGONIST\_TREATED\_TREG.UP,GSE42021.CD24HL.VS.CD24LOW\_TCONV\_THYMUS.DN,GSE42021.CD24HL.VS.CD24LOW\_TCONV\_THYMUS.DN,GSE41176.WT\_VS.TAK1\_KO\_ANT1\_ICM\_STIM\_BCELL\_6H.DN,GSE41176.WT\_VS.TAK1\_KO\_ANT1\_ICM\_STIM\_BCELL\_6H.DN,GSE1432\_1H.VS.6H\_IFNG\_MICROGLIA.DN,GSE1432\_1H.VS.6H\_IFNG\_MICROGLIA.DN,GSE6269.FLU.VS.F\_COIL\_INF\_PBMC.UP,GSE6269.FLU.VS.F\_COIL\_INF\_PBMC.UP,GSE3269.HEALTHY.VS.STAPH\_AUREUS\_INF\_PBMC.UP,GSE3269.HEALTHY.VS.STAPH\_AUREUS\_INF\_PBMC.UP,GSE25085.FETAL\_BM.VS.ADULT\_BM\_SPA\_THYMIC\_IMPLANT.UP,GSE25085.FETAL\_BM.VS.ADULT\_BM\_SPA\_THYMIC\_IMPLANT.UP,GSE37533.PPARG1\_FOXP3.VS.FOXP3\_TRANSDUCED.CD4\_TCELL\_PIOGLITAZONE\_TREATED.UP,GSE37533.PPARG1\_FOXP3.VS.FOXP3\_TRANSDUCED.CD4\_TCELL\_PIOGLITAZONE\_TREATED.UP,GSE42021.TREG\_PLN.VS.CD24INT\_TREG\_THYMUS.DN,GSE42021\_TREG\_PLN.VS.CD24INT\_TREG\_THYMUS.DN,GSE7548.NAIVE.VS.DAY7\_PCC\_IMMUNIZATION\_CD4\_TCELL.DN,GSE7548.NAIVE.VS.DAY7\_PCC\_IMMUNIZATION\_CD4\_TCELL.DN,GSE36891.UNSTIM.VS.POLYIC\_TLR3\_STIM\_PERITONEAL\_MACROPHAGE.DN,GSE36891.UNSTIM.VS.POLYIC\_TLR3\_STIM\_PERITONEAL\_MACROPHAGE.DN,GSE1432\_CTRL.VS\_IFNG\_24H\_MICROGLIA.DN,GSE1432\_CTRL.VS\_IFNG\_24H\_MICROGLIA.DN,GSE22886.CTRL.VS.LPS\_24H\_DC.DN,GSE22886.CTRL.VS.LPS\_24H\_DC.DN,GAUCHER\_PBMC\_YF\_VAX\_STAMARIL\_UNKNOWN\_AGE\_10DY.UP,GAUCHER\_PBMC\_YF\_VAX\_STAMARIL\_UNKNOWN\_AGE\_10DY.UP,GSE42021\_TREG\_VS\_TCONV\_PLN.UP,GSE42021\_TREG\_VS\_TCONV\_PLN.UP,GSE37533.PPARG1\_FOXP3.VS.PPARG2\_FOXP3\_TRANSDUCED\_CD4\_TCELL\_PIOGLITAZONE\_TREATED.DN,GSE37533.PPARG1\_FOXP3.VS.PPARG2\_FOXP3\_TRANSDUCED\_CD4\_TCELL\_PIOGLITAZONE\_TREATED.DN,GSE14415\_INDUCED\_TREG.VS.FAILED\_INDUCED\_TREG.DN,GSE14415\_INDUCED\_TREG.VS.FAILED\_INDUCED\_TREG.DN,GSE36839.WT.VS.IJLIR\_KO\_SKIN\_STAPH\_AUREUS\_INF.DN,GSE36839.WT.VS.IJLIR\_KO\_SKIN\_STAPH\_AUREUS\_INF.DN,GSE41978\_ID2\_KO.VS.BIM\_KO\_KLRG1\_LOW\_EFFECTOR\_CD8\_TCELL.UP,GSE41978\_ID2\_KO.VS.BIM\_KO\_KLRG1\_LOW\_EFFECTOR\_CD8\_TCELL.UP,GSE14000.UNSTIM.VS\_16H\_LPS\_DC.DN,GSE14000.UNSTIM.VS\_16H\_LPS\_DC.DN,GSE18791.UNSTIM.VS.NEWCASTLE\_VIRUS\_DC\_6H.DN,GSE18791.UNSTIM.VS.NEWCASTLE\_VIRUS\_DC\_6H.DN,GSE24634.TEFF.VS.TCONV\_DAYS5\_IN\_CULTURE.DN,GSE24634.TEFF.VS.TCONV\_DAYS5\_IN\_CULTURE.DN,GSE1432\_CTRL.VS\_IFNG\_6H\_MICROGLIA.DN,GSE1432\_CTRL.VS\_IFNG\_6H\_MICROGLIA.DN,GSE22601.IMMATURE\_CD4\_SINGLE\_POSITIVE\_VS\_CD8\_SINGLE\_POSITIVE\_THYMOCYTE.DN,GSE22601.IMMATURE\_CD4\_SINGLE\_POSITIVE\_VS\_CD8\_SINGLE\_POSITIVE\_THYMOCYTE.DN,GSE15930.STIM.VS.STIM\_AND\_TRICHOSTATINA\_48H\_CD8\_T\_CELL.DN,GSE15930.STIM.VS.STIM\_AND\_TRICHOSTATINA\_48H\_CD8\_T\_CELL.DN,GSE37534.UNTREATED.VS.ROSIGLITAZONE\_TREATED\_CD4\_TCELL\_PPARG1\_AND\_FOXP3\_TRANSDUCED.UP,GSE37534.UNTREATED.VS.ROSIGLITAZONE\_TREATED\_CD4\_TCELL\_PPARG1\_AND\_FOXP3\_TRANSDUCED.UP,GSE37534.UNTREATED.VS.GW1929\_TREATED\_CD4\_TCELL\_PPARG1\_AND\_FOXP3\_TRANSDUCED.UP,GSE37534.UNTREATED.VS.GW1929\_TREATED\_CD4\_TCELL\_PPARG1\_AND\_FOXP3\_TRANSDUCED.UP,GSE11961.POLICULAR\_BCELL.VS.MEMORY\_BCELL\_DAY7.UP,GSE11961.POLICULAR\_BCELL.VS.MEMORY\_BCELL\_DAY7.UP,GSE16755.CTRL.VS.IFNA\_TREATED\_MAC.DN,GSE16755.CTRL.VS.IFNA\_TREATED\_MAC.DN,GSE13485.CTRL.VS.DAY3\_YF17D\_VACCINE\_PBMC.DN,GSE13485.CTRL.VS.DAY3\_YF17D\_VACCINE\_PBMC.DN,GSE21360.PRIMARY.VS.TERTIARY\_MEMORY\_CD8\_TCELL.DN,GSE21360.PRIMARY.VS.TERTIARY\_MEMORY\_CD8\_TCELL.DN,GSE36527\_CD62L\_HIGH.VS\_CD62L\_LOW\_TREG\_CD69\_NEG\_KLRG1\_NEG.UP,GSE36527\_CD62L\_HIGH.VS\_CD62L\_LOW\_TREG\_CD69\_NEG\_KLRG1\_NEG.UP,GSE40274\_FOXP3.VS.FOXP3\_AND\_GATA1\_TRANSDUCED\_ACTIVATED\_CD4\_TCELL.DN,GSE40274\_FOXP3.VS.FOXP3\_AND\_GATA1\_TRANSDUCED\_ACTIVATED\_CD4\_TCELL.DN,GSE18281.SUBCAPSULAR.VS.CENTRAL\_CORTICAL\_REGION\_OF\_THYMUS.UP,GSE18281.SUBCAPSULAR.VS.CENTRAL\_CORTICAL\_REGION\_OF\_THYMUS.UP,GSE13485.DAY3.VS.DAY7\_YF17D\_VACCINE\_PBMC.DN,GSE13485.DAY3.VS.DAY7\_YF17D\_VACCINE\_PBMC.DN,GSE6259\_DEC205\_POS\_DC.VS.BCELL.DN,GSE6259\_DEC205\_POS\_DC.VS.BCELL.DN,GSE34156.UNTREATED.VS\_6H\_NOD2\_LIGAND\_TREATED\_MONOCYTE.DN,GSE34156.UNTREATED.VS\_6H\_NOD2\_LIGAND\_TREATED\_MONOCYTE.DN,GSE36009.WT.VS.NLRP10\_KO\_DC.UP,GSE36009.WT.VS.NLRP10\_KO\_DC.UP,GSE45365.HEALTHY.VS.MCMV\_INFECTION\_CD8A\_DC\_IFNAR\_KO.DN,GSE45365.HEALTHY.VS.MCMV\_INFECTION\_CD8A\_DC\_IFNAR\_KO.DN,GSE14000.UNSTIM.VS\_4H\_LPS\_DC.DN,GSE14000.UNSTIM.VS\_4H\_LPS\_DC.DN,GSE46606.UNSTIM.VS.CD40L\_IL2\_IL5\_3DAY.STIMULATED.IRF4MID\_SORTED\_BCELL.DN,GSE46606.UNSTIM.VS.CD40L\_IL2\_IL5\_3DAY.STIMULATED.IRF4MID\_SORTED\_BCELL.DN,GSE42724.NAIVE\_BCELL\_VS\_PLASMABLAST.UP,GSE42724.NAIVE\_BCELL\_VS\_PLASMABLAST.UP,GSE34006.WT.VS.A2AR\_KO\_TREG.DN,GSE34006.WT.VS.A2AR\_KO\_TREG.DN,GSE40685.TREG.VS.FOXP3\_KO\_TREG\_PRECURSOR.UP,GSE40685.TREG.VS.FOXP3\_KO\_TREG\_PRECURSOR.UP,GSE43863.DAY6.EFF.VS.DAY150\_MEM\_TFH\_CD4\_TCELL.UP,GSE43863.DAY6.EFF.VS.DAY150\_MEM\_TFH\_CD4\_TCELL.UP,GSE17721.LPS\_VS.GARDIQUIMOD\_12H\_BMDC.UP,GSE17721.LPS\_VS.GARDIQUIMOD\_12H\_BMDC.UP,GSE26030.TH1\_VS.TH17\_DAYS\_POST\_POLARIZATION.UP,GSE26030.TH1\_VS.TH17\_DAYS\_POST\_POLARIZATION.UP,GSE17721\_0.5H.VS\_8H\_CPG\_BMDC.DN,GSE17721\_0.5H.VS\_8H\_CPG\_BMDC.DN,GSE24634\_IL4.VS\_CTRL\_TREATED\_NAIVE\_CD4\_TCELL\_DAY3.DN,GSE24634\_IL4.VS\_CTRL\_TREATED\_NAIVE\_CD4\_TCELL\_DAY3.DN,GSE15624\_CTRL.VS\_3H\_HALOFLUGINONE\_TREATED\_CD4\_TCELL.UP,GSE15624\_CTRL.VS\_3H\_HALOFLUGINONE\_TREATED\_CD4\_TCELL.UP,GSE42021\_TREG\_PLN.VS.TREG\_PRECURSORS\_THYMUS.DN,GSE42021\_TREG\_PLN.VS.TREG\_PRECURSORS\_THYMUS.DN,GSE21360.NAIVE.VS.SECONDARY\_MEMORY\_CD8\_TCELL.DN,GSE21360.NAIVE.VS.SECONDARY\_MEMORY\_CD8\_TCELL.DN,LTE2.UP.V1.DN,LTE2.UP.V1.DN,GSE17721\_12H.VS\_24H\_LPS\_BMDC.UP,GSE17721\_12H.VS\_24H\_LPS\_BMDC.UP,GSE43863.TFH.VS.LY6C\_LOW\_CXCR5NEG\_EFFECTOR\_CD4\_TCELL.UP,GSE43863.TFH.VS.LY6C\_LOW\_CXCR5NEG\_EFFECTOR\_CD4\_TCELL.UP,GSE22140.GERMFREE\_VS\_SPF\_MOUSE\_CD4\_TCELL.UP,GSE22140.GERMFREE\_VS\_SPF\_MOUSE\_CD4\_TCELL.UP,GSE13547\_2H.VS\_12\_H\_ANT1\_ICM\_STIM\_ZFX\_KO\_BCELL.UP,GSE13547\_2H.VS\_12\_H\_ANT1\_ICM\_STIM\_ZFX\_KO\_BCELL.UP,GSE40685.TREG.VS.FOXP3\_KO\_TREG\_PRECURSOR.DN,GSE40685.TREG.VS.FOXP3\_KO\_TREG\_PRECURSOR.DN,GSE21546.WT.VS.SAP1A\_KO\_DP\_THYMOCYTES.UP,GSE21546.WT.VS.SAP1A\_KO\_DP\_THYMOCYTES.UP,GSE41867.DAY6.EFFECTOR.VS.DAY30\_EXHAUSTED\_CD8\_TCELL\_LCMV\_CLONE13.UP,GSE41867.DAY6.EFFECTOR.VS.DAY30\_EXHAUSTED\_CD8\_TCELL\_LCMV\_CLONE13.UP,GSE3982\_CTRL.VS.LPS\_4H\_MAC.DN,GSE3982\_CTRL.VS.LPS\_4H\_MAC.DN,GSE35435.RESTING.VS\_IL4\_TREATED\_MACROPHAGE.UP,GSE35435.RESTING.VS\_IL4\_TREATED\_MACROPHAGE.UP,GSE17721\_PAMCSK4.VS\_GADIQUIMOD\_4H\_BMDC.DN,GSE17721\_PAMCSK4.VS\_GADIQUIMOD\_4H\_BMDC.DN,JISON\_SICKLE\_CELL\_DISEASE.UP,JISON\_SICKLE\_CELL\_DISEASE.UP,ER882.UP.V1.DN,ER882.UP.V1.DN,GSE27241\_CTRL.VS.DIGOXIN\_TREATED\_CD4\_TCELL\_IN\_THI7\_POLARIZING\_CONDITIONS.DN,GSE27241\_CTRL.VS.DIGOXIN\_TREATED\_CD4\_TCELL\_IN\_THI7\_POLARIZING\_CONDITIONS.DN,GSE24634\_IL4.VS\_CTRL\_TREATED\_NAIVE\_CD4\_TCELL\_DAYS5.DN,GSE24634\_IL4.VS\_CTRL\_TREATED\_NAIVE\_CD4\_TCELL\_DAYS5.DN,GSE18791.UNSTIM.VS.NEWCASTLE\_VIRUS\_DC\_10H.DN,GSE18791.UNSTIM.VS.NEWCASTLE\_VIRUS\_DC\_10H.DN,GSE37301.MULTIPOTENT\_PROGENITOR\_VS\_GRAN