

GSE339\_EX\_VIVO\_VS\_IN\_CULTURE\_CD4CD8DN\_DC\_UP, GSE339\_EX\_VIVO\_VS\_IN\_CULTURE\_CD4CD8DN\_DC\_UP  
GSE35685\_CD34POS\_CD38NEG\_VS\_CD34POS\_CD10NEG\_CD62LPOS\_BONE\_MARROW\_UP, GSE35685\_CD34POS\_CD38NEG\_VS\_CD34POS\_CD10NEG\_CD62LPOS\_BONE\_MARROW\_UP  
GSE37416\_0H\_VS\_48H\_F\_TULARENSIS\_LVS\_NEUTROPHIL\_UP, GSE37416\_0H\_VS\_48H\_F\_TULARENSIS\_LVS\_NEUTROPHIL\_UP  
GSE21360\_TERTIARY\_VS\_QUATERNARY\_MEMORY\_CD8\_TCELL\_UP, GSE21360\_TERTIARY\_VS\_QUATERNARY\_MEMORY\_CD8\_TCELL\_UP  
GSE17322\_CD103\_POS\_VS\_CD11B\_HIGH\_LUNG\_DC\_UP, GSE17322\_CD103\_POS\_VS\_CD11B\_HIGH\_LUNG\_DC\_UP  
GSE16697\_CD4\_TCELL\_VS\_TFH\_CD4\_TCELL\_UP, GSE16697\_CD4\_TCELL\_VS\_TFH\_CD4\_TCELL\_UP  
GSE37416\_0H\_VS\_6H\_F\_TULARENSIS\_LVS\_NEUTROPHIL\_UP, GSE37416\_0H\_VS\_6H\_F\_TULARENSIS\_LVS\_NEUTROPHIL\_UP  
GSE36888\_UNTREATED\_VS\_IL2\_TREATED\_TCELL\_17H\_UP, GSE36888\_UNTREATED\_VS\_IL2\_TREATED\_TCELL\_17H\_UP  
GSE11864\_CSF1\_IFNG\_VS\_CSF1\_IFNG\_PAM3CYS\_IN\_MAC\_UP, GSE11864\_CSF1\_IFNG\_VS\_CSF1\_IFNG\_PAM3CYS\_IN\_MAC\_UP  
GSE17186\_NAIVE\_VS\_CD21HIGH\_TRANSITIONAL\_BCELL\_DN, GSE17186\_NAIVE\_VS\_CD21HIGH\_TRANSITIONAL\_BCELL\_DN  
GSE7764\_IL15\_NK\_CELL\_24H\_VS\_SPLENOCYTE\_DN, GSE7764\_IL15\_NK\_CELL\_24H\_VS\_SPLENOCYTE\_DN  
GSE30971\_CTRL\_VS\_LPS\_STIM\_MACROPHAGE\_WBP7\_HET\_2H\_DN, GSE30971\_CTRL\_VS\_LPS\_STIM\_MACROPHAGE\_WBP7\_HET\_2H\_DN  
GSE19198\_6H\_VS\_24H\_IL21\_TREATED\_TCELL\_UP, GSE19198\_6H\_VS\_24H\_IL21\_TREATED\_TCELL\_UP  
GSE19198\_1H\_VS\_24H\_IL21\_TREATED\_TCELL\_DN, GSE19198\_1H\_VS\_24H\_IL21\_TREATED\_TCELL\_DN  
GSE16450\_CTRL\_VS\_IFNA\_12H\_STIM\_MATURE\_NEURON\_CELL\_LINE\_DN, GSE16450\_CTRL\_VS\_IFNA\_12H\_STIM\_MATURE\_NEURON\_CELL\_LINE\_DN  
GSE37301\_CD4\_TCELL\_VS\_RAG2\_KO\_NK\_CELL\_DN, GSE37301\_CD4\_TCELL\_VS\_RAG2\_KO\_NK\_CELL\_DN  
GSE339\_CD8POS\_VS\_CD4CD8DN\_DC\_UP, GSE339\_CD8POS\_VS\_CD4CD8DN\_DC\_UP  
GSE11057\_NAIVE\_VS\_EFF\_MEMORY\_CD4\_TCELL\_DN, GSE11057\_NAIVE\_VS\_EFF\_MEMORY\_CD4\_TCELL\_DN  
GSE29618\_BCELL\_VS\_PDC\_DN, GSE29618\_BCELL\_VS\_PDC\_DN  
GSE339\_CD4POS\_VS\_CD8POS\_DC\_DN, GSE339\_CD4POS\_VS\_CD8POS\_DC\_DN  
GSE42724\_NAIVE\_BCELL\_VS\_PLASMABLAST\_DN, GSE42724\_NAIVE\_BCELL\_VS\_PLASMABLAST\_DN  
GSE6259\_FLT3L\_INDUCED\_DEC205\_POS\_DC\_VS\_BCELL\_DN, GSE6259\_FLT3L\_INDUCED\_DEC205\_POS\_DC\_VS\_BCELL\_DN  
GSE40666\_NAIVE\_VS\_EFFECTOR\_CD8\_TCELL\_DN, GSE40666\_NAIVE\_VS\_EFFECTOR\_CD8\_TCELL\_DN  
GSE41867\_NAIVE\_VS\_DAY6\_LCMV\_EFFECTOR\_CD8\_TCELL\_UP, GSE41867\_NAIVE\_VS\_DAY6\_LCMV\_EFFECTOR\_CD8\_TCELL\_UP  
GSE32423\_MEMORY\_VS\_NAIVE\_CD8\_TCELL\_UP, GSE32423\_MEMORY\_VS\_NAIVE\_CD8\_TCELL\_UP  
GSE7852\_TREG\_VS\_TCONV\_FAT\_UP, GSE7852\_TREG\_VS\_TCONV\_FAT\_UP  
GSE30083\_SP3\_VS\_SP4\_THYMOCYTE\_DN, GSE30083\_SP3\_VS\_SP4\_THYMOCYTE\_DN  
GSE14699\_DELETIONAL\_TOLERANCE\_VS\_ACTIVATED\_CD8\_TCELL\_UP, GSE14699\_DELETIONAL\_TOLERANCE\_VS\_ACTIVATED\_CD8\_TCELL\_UP  
GSE22886\_NAIVE\_TCELL\_VS\_NKCELL\_DN, GSE22886\_NAIVE\_TCELL\_VS\_NKCELL\_DN  
GSE17186\_MEMORY\_VS\_CD21LOW\_TRANSITIONAL\_BCELL\_UP, GSE17186\_MEMORY\_VS\_CD21LOW\_TRANSITIONAL\_BCELL\_UP  
GSE44955\_MCSF\_VS\_MCSF\_AND\_IL27\_STIM\_MACROPHAGE\_DN, GSE44955\_MCSF\_VS\_MCSF\_AND\_IL27\_STIM\_MACROPHAGE\_DN  
GSE40274\_CTRL\_VS\_GATA1\_TRANSDUCED\_ACTIVATED\_CD4\_TCELL\_UP, GSE40274\_CTRL\_VS\_GATA1\_TRANSDUCED\_ACTIVATED\_CD4\_TCELL\_UP  
GSE31082\_DP\_VS\_CD4\_SP\_THYMOCYTE\_DN, GSE31082\_DP\_VS\_CD4\_SP\_THYMOCYTE\_DN  
GSE40274\_XBP1\_VS\_FOXP3\_AND\_XBP1\_TRANSDUCED\_ACTIVATED\_CD4\_TCELL\_UP, GSE40274\_XBP1\_VS\_FOXP3\_AND\_XBP1\_TRANSDUCED\_ACTIVATED\_CD4\_TCELL\_UP  
GSE21380\_NON\_TFH\_VS\_TFH\_CD4\_TCELL\_UP, GSE21380\_NON\_TFH\_VS\_TFH\_CD4\_TCELL\_UP  
GSE32164\_ALTERNATIVELY\_ACT\_M2\_VS\_CMYC\_INHIBITED\_MACROPHAGE\_UP, GSE32164\_ALTERNATIVELY\_ACT\_M2\_VS\_CMYC\_INHIBITED\_MACROPHAGE\_UP  
GSE6259\_33D1\_POS\_VS\_DEC205\_POS\_SPLENIC\_DC\_DN, GSE6259\_33D1\_POS\_VS\_DEC205\_POS\_SPLENIC\_DC\_DN  
GSE5589\_WT\_VS\_IL10\_KO\_LPS\_AND\_IL10\_STIM\_MACROPHAGE\_45MIN\_UP, GSE5589\_WT\_VS\_IL10\_KO\_LPS\_AND\_IL10\_STIM\_MACROPHAGE\_45MIN\_UP  
GSE35685\_CD34POS\_CD10NEG\_CD62LPOS\_VS\_CD34POS\_CD10POS\_BONE\_MARROW\_DN, GSE35685\_CD34POS\_CD10NEG\_CD62LPOS\_VS\_CD34POS\_CD10POS\_BONE\_MARROW\_DN  
GSE3720\_UNSTIM\_VS\_LPS\_STIM\_VD2\_GAMMADELTA\_TCELL\_DN, GSE3720\_UNSTIM\_VS\_LPS\_STIM\_VD2\_GAMMADELTA\_TCELL\_DN  
GSE40273\_XBP1\_KO\_VS\_WT\_TREG\_DN, GSE40273\_XBP1\_KO\_VS\_WT\_TREG\_DN  
GSE46242\_TH1\_VS\_ANERGIC\_TH1\_CD4\_TCELL\_WITH\_EGR2\_DELETED\_UP, GSE46242\_TH1\_VS\_ANERGIC\_TH1\_CD4\_TCELL\_WITH\_EGR2\_DELETED\_UP  
GSE16385\_ROSIGLITAZONE\_IL4\_VS\_IL4\_ALONE\_STIM\_MACROPHAGE\_12H\_DN, GSE16385\_ROSIGLITAZONE\_IL4\_VS\_IL4\_ALONE\_STIM\_MACROPHAGE\_12H\_DN  
GSE39916\_B\_CELL\_SPLEEN\_VS\_PLASMA\_CELL\_BONE\_MARROW\_DN, GSE39916\_B\_CELL\_SPLEEN\_VS\_PLASMA\_CELL\_BONE\_MARROW\_DN  
GSE360\_DC\_VS\_MAC\_B\_MALAYI\_HIGH\_DOSE\_UP, GSE360\_DC\_VS\_MAC\_B\_MALAYI\_HIGH\_DOSE\_UP  
GSE26343\_WT\_VS\_NFAT5\_KO\_MACROPHAGE\_LPS\_STIM\_DN, GSE26343\_WT\_VS\_NFAT5\_KO\_MACROPHAGE\_LPS\_STIM\_DN  
GSE11057\_EFF\_MEM\_VS\_CENT\_MEM\_CD4\_TCELL\_UP, GSE11057\_EFF\_MEM\_VS\_CENT\_MEM\_CD4\_TCELL\_UP  
GSE40274\_FOXP3\_VS\_FOXP3\_AND\_EOS\_TRANSDUCED\_ACTIVATED\_CD4\_TCELL\_UP, GSE40274\_FOXP3\_VS\_FOXP3\_AND\_EOS\_TRANSDUCED\_ACTIVATED\_CD4\_TCELL\_UP  
GSE11961\_MARGINAL\_ZONE\_BCELL\_VS\_MEMORY\_BCELL\_DAY40\_UP, GSE11961\_MARGINAL\_ZONE\_BCELL\_VS\_MEMORY\_BCELL\_DAY40\_UP  
GSE11961\_GERMINAL\_CENTER\_BCELL\_DAY7\_VS\_PLASMA\_CELL\_DAY7\_DN, GSE11961\_GERMINAL\_CENTER\_BCELL\_DAY7\_VS\_PLASMA\_CELL\_DAY7\_DN  
GSE22432\_CDC\_VS\_COMMON\_DC\_PROGENITOR\_UP, GSE22432\_CDC\_VS\_COMMON\_DC\_PROGENITOR\_UP  
GSE43863\_TFH\_VS\_LY6C\_LOW\_CXCR5NEG\_EFFECTOR\_CD4\_TCELL\_DN, GSE43863\_TFH\_VS\_LY6C\_LOW\_CXCR5NEG\_EFFECTOR\_CD4\_TCELL\_DN  
GSE9988\_ANTI\_TREM1\_AND\_LPS\_VS\_CTRL\_TREATED\_MONOCYTES\_UP, GSE9988\_ANTI\_TREM1\_AND\_LPS\_VS\_CTRL\_TREATED\_MONOCYTES\_UP  
GSE360\_HIGH\_VS\_LOW\_DOSE\_B\_MALAYI\_MAC\_UP, GSE360\_HIGH\_VS\_LOW\_DOSE\_B\_MALAYI\_MAC\_UP  
GSE45365\_NK\_CELL\_VS\_CD11B\_DC\_MCMV\_INFECTION\_DN, GSE45365\_NK\_CELL\_VS\_CD11B\_DC\_MCMV\_INFECTION\_DN  
GSE41867\_NAIVE\_VS\_DAY8\_LCMV\_CLONE13\_EFFECTOR\_CD8\_TCELL\_UP, GSE41867\_NAIVE\_VS\_DAY8\_LCMV\_CLONE13\_EFFECTOR\_CD8\_TCELL\_UP  
GSE14415\_INDUCED\_TREG\_VS\_FOXP3\_KO\_INDUCED\_TREG\_DN, GSE14415\_INDUCED\_TREG\_VS\_FOXP3\_KO\_INDUCED\_TREG\_DN  
GSE37301\_PRO\_BCELL\_VS GRANULOCYTE\_MONOCYTE\_PROGENITOR\_DN, GSE37301\_PRO\_BCELL\_VS GRANULOCYTE\_MONOCYTE\_PROGENITOR\_DN  
GSE6259\_CD4\_TCELL\_VS\_CD8\_TCELL\_DN, GSE6259\_CD4\_TCELL\_VS\_CD8\_TCELL\_DN  
GSE24210\_CTRL\_VS\_IL35\_TREATED\_TCONV\_CD4\_TCELL\_UP, GSE24210\_CTRL\_VS\_IL35\_TREATED\_TCONV\_CD4\_TCELL\_UP  
GSE13306\_RA\_VS\_UNTREATED\_MEM\_CD4\_TCELL\_UP, GSE13306\_RA\_VS\_UNTREATED\_MEM\_CD4\_TCELL\_UP  
GSE2770\_UNTREATED\_VS\_IL4\_TREATED\_ACT\_CD4\_TCELL\_6H\_UP, GSE2770\_UNTREATED\_VS\_IL4\_TREATED\_ACT\_CD4\_TCELL\_6H\_UP  
GSE6092\_UNSTIM\_VS\_IFNG\_STIM\_ENDOTHELIAL\_CELL\_DN, GSE6092\_UNSTIM\_VS\_IFNG\_STIM\_ENDOTHELIAL\_CELL\_DN  
GSE29618\_PRE\_VS\_DAY7\_FLU\_VACCINE\_MDC\_DN, GSE29618\_PRE\_VS\_DAY7\_FLU\_VACCINE\_MDC\_DN  
GSE40274\_FOXP3\_VS\_FOXP3\_AND\_PBX1\_TRANSDUCED\_ACTIVATED\_CD4\_TCELL\_UP, GSE40274\_FOXP3\_VS\_FOXP3\_AND\_PBX1\_TRANSDUCED\_ACTIVATED\_CD4\_TCELL\_UP  
GSE5679\_RARA\_AAGONIST\_AM580\_VS\_AM580\_AND\_ROSIGLITAZONE\_TREATED\_DC\_DN, GSE5679\_RARA\_AAGONIST\_AM580\_VS\_AM580\_AND\_ROSIGLITAZONE\_TREATED\_DC\_DN  
GSE12392\_WT\_VS\_IFNAR\_KO\_CD8A\_NEG\_SPLEEN\_DC\_UP, GSE12392\_WT\_VS\_IFNAR\_KO\_CD8A\_NEG\_SPLEEN\_DC\_UP  
GSE6259\_BCELL\_VS\_CD8\_TCELL\_UP, GSE6259\_BCELL\_VS\_CD8\_TCELL\_UP  
GSE17721\_CPG\_VS\_GARDIQUIMOD\_24H\_BMDC\_UP, GSE17721\_CPG\_VS\_GARDIQUIMOD\_24H\_BMDC\_UP  
GSE2770\_IL12\_AND\_TGFB\_VS\_IL4\_TREATED\_ACT\_CD4\_TCELL\_48H\_UP, GSE2770\_IL12\_AND\_TGFB\_VS\_IL4\_TREATED\_ACT\_CD4\_TCELL\_48H\_UP  
GSE17721\_LPS\_VS\_GARDIQUIMOD\_6H\_BMDC\_UP, GSE17721\_LPS\_VS\_GARDIQUIMOD\_6H\_BMDC\_UP  
GSE40274\_CTRL\_VS\_FOXP3\_AND\_XBP1\_TRANSDUCED\_ACTIVATED\_CD4\_TCELL\_DN, GSE40274\_CTRL\_VS\_FOXP3\_AND\_XBP1\_TRANSDUCED\_ACTIVATED\_CD4\_TCELL\_DN  
GSE25123\_CTRL\_VS\_IL4\_STIM\_MACROPHAGE\_DN, GSE25123\_CTRL\_VS\_IL4\_STIM\_MACROPHAGE\_DN  
GSE26030\_UNSTIM\_VS\_RESTIM\_TH1\_DAY5\_POST\_POLARIZATION\_UP, GSE26030\_UNSTIM\_VS\_RESTIM\_TH1\_DAY5\_POST\_POLARIZATION\_UP  
GSE37605\_TREG\_VS\_TCONV\_NOD\_FOXP3\_FUSION\_GFP\_DN, GSE37605\_TREG\_VS\_TCONV\_NOD\_FOXP3\_FUSION\_GFP\_DN  
GSE30962\_PRIMARY\_VS\_SECONDARY\_CHRONIC\_LCMV\_INF\_CD8\_TCELL\_DN, GSE30962\_PRIMARY\_VS\_SECONDARY\_CHRONIC\_LCMV\_INF\_CD8\_TCELL\_DN  
GSE7852\_THYMUS\_VS\_FAT\_TREG\_DN, GSE7852\_THYMUS\_VS\_FAT\_TREG\_DN  
GSE411\_WT\_VS\_SOCS3\_KO\_MACROPHAGE\_IL6\_STIM\_400MIN\_UP, GSE411\_WT\_VS\_SOCS3\_KO\_MACROPHAGE\_IL6\_STIM\_400MIN\_UP  
GSE29618\_BCELL\_VS\_PDC\_DAY7\_FLU\_VACCINE\_DN, GSE29618\_BCELL\_VS\_PDC\_DAY7\_FLU\_VACCINE\_DN  
GSE4590\_SMALL\_VS\_LARGE\_PRE\_BCELL\_DN, GSE4590\_SMALL\_VS\_LARGE\_PRE\_BCELL\_DN  
GSE360\_L\_DONOVANI\_VS\_B\_MALAYI\_LOW\_DOSE\_MAC\_DN, GSE360\_L\_DONOVANI\_VS\_B\_MALAYI\_LOW\_DOSE\_MAC\_DN  
GSE13547\_2H\_VS\_12\_H\_ANTI\_IGM\_STIM\_ZFX\_KO\_BCELL\_UP, GSE13547\_2H\_VS\_12\_H\_ANTI\_IGM\_STIM\_ZFX\_KO\_BCELL\_UP  
GSE26495\_NAIVE\_VS\_PD1LOW\_CD8\_TCELL\_DN, GSE26495\_NAIVE\_VS\_PD1LOW\_CD8\_TCELL\_DN  
GSE9239\_CTRL\_VS\_TNF\_INHIBITOR\_TREATED\_DC\_UP, GSE9239\_CTRL\_VS\_TNF\_INHIBITOR\_TREATED\_DC\_UP  
GSE37416\_CTRL\_VS\_3H\_F\_TULARENSIS\_LVS\_NEUTROPHIL\_DN, GSE37416\_CTRL\_VS\_3H\_F\_TULARENSIS\_LVS\_NEUTROPHIL\_DN  
GSE39864\_WT\_VS\_GATA3\_KO\_TREG\_UP, GSE39864\_WT\_VS\_GATA3\_KO\_TREG\_UP  
GSE17721\_LPS\_VS\_CPG\_4H\_BMDC\_UP, GSE17721\_LPS\_VS\_CPG\_4H\_BMDC\_UP  
GSE46606\_IRF4\_KO\_VS\_WT\_CD40L\_IL2\_IL5\_3DAY\_STIMULATED\_BCELL\_UP, GSE46606\_IRF4\_KO\_VS\_WT\_CD40L\_IL2\_IL5\_3DAY\_STIMULATED\_BCELL\_UP  
GSE17721\_PAM3CSK4\_VS\_GADIQUIMOD\_6H\_BMDC\_DN, GSE17721\_PAM3CSK4\_VS\_GADIQUIMOD\_6H\_BMDC\_DN  
GSE28726\_NAIVE\_CD4\_TCELL\_VS\_NAIVE\_NKTCELL\_DN, GSE28726\_NAIVE\_CD4\_TCELL\_VS\_NAIVE\_NKTCELL\_DN  
GSE6259\_FLT3L\_INDUCED\_DEC205\_POS\_DC\_VS\_CD8\_TCELL\_UP, GSE6259\_FLT3L\_INDUCED\_DEC205\_POS\_DC\_VS\_CD8\_TCELL\_UP  
GSE25088\_WT\_VS\_STAT6\_KO\_MACROPHAGE\_ROSIGLITAZONE\_AND\_IL4\_STIM\_DN, GSE25088\_WT\_VS\_STAT6\_KO\_MACROPHAGE\_ROSIGLITAZONE\_AND\_IL4\_STIM\_DN  
GSE41867\_DAY15\_EFFECTOR\_VS\_DAY30\_EXHAUSTED\_CD8\_TCELL\_LCMV\_CLONE13\_UP, GSE41867\_DAY15\_EFFECTOR\_VS\_DAY30\_EXHAUSTED\_CD8\_TCELL\_LCMV\_CLONE13\_UP  
GSE19941\_LPS\_VS\_LPS\_AND\_IL10\_STIM\_IL10\_KO\_NFKBP50\_KO\_MACROPHAGE\_DN, GSE19941\_LPS\_VS\_LPS\_AND\_IL10\_STIM\_IL10\_KO\_NFKBP50\_KO\_MACROPHAGE\_DN  
GSE11961\_GERMINAL\_CENTER\_BCELL\_DAY7\_VS\_MEMORY\_BCELL\_DAY40\_DN, GSE11961\_GERMINAL\_CENTER\_BCELL\_DAY7\_VS\_MEMORY\_BCELL\_DAY40\_DN  
GSE3982\_BCELL\_VS\_EFF\_MEMORY\_CD4\_TCELL\_DN, GSE3982\_BCELL\_VS\_EFF\_MEMORY\_CD4\_TCELL\_DN  
GSE37301\_MULTIPOTENT\_PROGENITOR\_VS\_LYMPHOID\_PRIMED\_MPP\_DN, GSE37301\_MULTIPOTENT\_PROGENITOR\_VS\_LYMPHOID\_PRIMED\_MPP\_DN  
GSE16697\_CD4\_TCELL\_VS\_TFH\_CD4\_TCELL\_DN, GSE16697\_CD4\_TCELL\_VS\_TFH\_CD4\_TCELL\_DN  
GSE15330\_LYMPHOID\_MULTIPOTENT\_VS GRANULOCYTE\_MONOCYTE\_PROGENITOR\_IKAROS\_KO\_DN, GSE15330\_LYMPHOID\_MULTIPOTENT\_VS GRANULOCYTE\_MONOCYTE\_PROGENITOR\_IKAROS\_KO\_DN  
GSE32255\_WT\_UNSTIM\_VS\_JMJD2D\_KNOCKDOWN\_4H\_LPS\_STIM\_DC\_DN, GSE32255\_WT\_UNSTIM\_VS\_JMJD2D\_KNOCKDOWN\_4H\_LPS\_STIM\_DC\_DN  
GSE40277\_GATA1\_AND\_SATB1\_TRANSDUCED\_VS\_CTRL\_CD4\_TCELL\_UP, GSE40277\_GATA1\_AND\_SATB1\_TRANSDUCED\_VS\_CTRL\_CD4\_TCELL\_UP  
GSE21927\_SPLEEN\_MONOCYTE\_VS\_GMCSF\_GCSF\_BONE\_MARROW\_UP, GSE21927\_SPLEEN\_MONOCYTE\_VS\_GMCSF\_GCSF\_BONE\_MARROW\_UP