

GSE37532\_TREG\_VS\_TCONV\_PPARG\_KO\_CD4\_TCELL\_FROM\_LN\_UP, GSE37532\_TREG\_VS\_TCONV\_PPARG\_KO\_CD4\_TCELL\_FROM\_LN\_UP  
GSE17186\_BLOOD\_VS\_CORD\_BLOOD\_CD21HIGH\_TRANSITIONAL\_BCELL\_UP, GSE17186\_BLOOD\_VS\_CORD\_BLOOD\_CD21HIGH\_TRANSITIONAL\_BCELL\_UP  
GSE24726\_WT\_VS\_E2\_2\_KO\_PDC\_UP, GSE24726\_WT\_VS\_E2\_2\_KO\_PDC\_UP  
GSE19888\_ADENOSINE\_A3R\_ACT\_VS\_A3R\_ACT\_WITH\_A3R\_INH\_PRETREATMENT\_IN\_MAST\_CELL\_UP, GSE19888\_ADENOSINE\_A3R\_ACT\_VS\_A3R\_ACT\_WITH\_A3R\_INH\_PRETREATMENT\_IN\_MAST\_CELL\_UP  
GSE21670\_IL6\_VS\_TGFB\_AND\_IL6\_TREATED\_STAT3\_KO\_CD4\_TCELL\_UP, GSE21670\_IL6\_VS\_TGFB\_AND\_IL6\_TREATED\_STAT3\_KO\_CD4\_TCELL\_UP  
GSE25085\_FETAL\_LIVER\_VS\_ADULT\_BM\_SP4\_THYMIC\_IMPLANT\_DN, GSE25085\_FETAL\_LIVER\_VS\_ADULT\_BM\_SP4\_THYMIC\_IMPLANT\_DN  
GSE17974\_0H\_VS\_72H\_IN\_VITRO\_ACT\_CD4\_TCELL\_DN, GSE17974\_0H\_VS\_72H\_IN\_VITRO\_ACT\_CD4\_TCELL\_DN  
GSE12366\_GC\_BCELL\_VS\_PLASMA\_CELL\_UP, GSE12366\_GC\_BCELL\_VS\_PLASMA\_CELL\_UP  
GSE14415\_INDUCED\_VS\_NATURAL\_TREG\_DN, GSE14415\_INDUCED\_VS\_NATURAL\_TREG\_DN  
GSE1460\_DP\_THYMOCYTE\_VS\_NAIVE\_CD4\_TCELL\_CORD\_BLOOD\_UP, GSE1460\_DP\_THYMOCYTE\_VS\_NAIVE\_CD4\_TCELL\_CORD\_BLOOD\_UP  
GSE37534\_UNTREATED\_VS\_GW1929\_TREATED\_CD4\_TCELL\_PPARG1\_AND\_FOXP3 TRASDUCED\_DN, GSE37534\_UNTREATED\_VS\_GW1929\_TREATED\_CD4\_TCELL\_PPARG1\_AND\_FOXP3 TRASDUCED\_DN  
GSE25146\_UNSTIM\_VS\_HELIOBACTER\_PYLORI\_LPS\_STIM\_AGS\_CELL\_UP, GSE25146\_UNSTIM\_VS\_HELIOBACTER\_PYLORI\_LPS\_STIM\_AGS\_CELL\_UP  
GSE21063\_WT\_VS\_NFATC1\_KO\_BCELL\_DN, GSE21063\_WT\_VS\_NFATC1\_KO\_BCELL\_DN  
GSE21063\_3H\_VS\_16H\_ANTI\_IGM\_STIM\_NFATC1\_KOBCELL\_DN, GSE21063\_3H\_VS\_16H\_ANTI\_IGM\_STIM\_NFATC1\_KOBCELL\_DN  
GSE20754\_WT\_VS\_TCF1\_KO\_MEMORY\_CD8\_TCELL\_DN, GSE20754\_WT\_VS\_TCF1\_KO\_MEMORY\_CD8\_TCELL\_DN  
GSE7852\_LN\_VS\_THYMUS\_TCONV\_DN, GSE7852\_LN\_VS\_THYMUS\_TCONV\_DN  
GSE19923\_WT\_VS\_HEB\_AND\_E2A\_KO\_DP\_THYMOCYTE\_UP, GSE19923\_WT\_VS\_HEB\_AND\_E2A\_KO\_DP\_THYMOCYTE\_UP  
GSE36888\_STAT5\_AB\_KNOCKIN\_VS\_WT\_TCELL\_IL2\_TREATED\_6H\_DN, GSE36888\_STAT5\_AB\_KNOCKIN\_VS\_WT\_TCELL\_IL2\_TREATED\_6H\_DN  
GSE31082\_DP\_VS\_CD8\_SP\_THYMOCYTE\_UP, GSE31082\_DP\_VS\_CD8\_SP\_THYMOCYTE\_UP  
GSE9650\_EFFECTOR\_VS\_MEMORY\_CD8\_TCELL\_UP, GSE9650\_EFFECTOR\_VS\_MEMORY\_CD8\_TCELL\_UP  
GSE2128\_C57BL6\_VS\_NOD\_THYMOCYTE\_UP, GSE2128\_C57BL6\_VS\_NOD\_THYMOCYTE\_UP  
GSE40225\_WT\_VS\_RIP\_B7X\_DIABETIC\_MOUSE\_PANCREATIC\_CD8\_TCELL\_DN, GSE40225\_WT\_VS\_RIP\_B7X\_DIABETIC\_MOUSE\_PANCREATIC\_CD8\_TCELL\_DN  
GSE21670\_UNTREATED\_VS\_TGFB\_IL6\_TREATED\_CD4\_TCELL\_UP, GSE21670\_UNTREATED\_VS\_TGFB\_IL6\_TREATED\_CD4\_TCELL\_UP  
GSE9601\_UNTREATED\_VS\_P13K\_INHIBITOR\_TREATED\_HCMV\_INF\_MONOCYTE\_UP, GSE9601\_UNTREATED\_VS\_P13K\_INHIBITOR\_TREATED\_HCMV\_INF\_MONOCYTE\_UP  
GSE17301\_CTRL\_VS\_48H\_ACD3\_ACD28\_IFNA5\_STIM\_CD8\_TCELL\_DN, GSE17301\_CTRL\_VS\_48H\_ACD3\_ACD28\_IFNA5\_STIM\_CD8\_TCELL\_DN  
GSE6674\_CPG\_VS\_CPG\_AND\_ANTI\_IGM\_STIM\_BCELL\_UP, GSE6674\_CPG\_VS\_CPG\_AND\_ANTI\_IGM\_STIM\_BCELL\_UP  
GSE17721\_CTRL\_VS\_CPG\_8H\_BMDC\_UP, GSE17721\_CTRL\_VS\_CPG\_8H\_BMDC\_UP  
GSE7218\_UNSTIM\_VS\_ANTIGEN\_STIM\_THROUGH\_IGG\_BCELL\_UP, GSE7218\_UNSTIM\_VS\_ANTIGEN\_STIM\_THROUGH\_IGG\_BCELL\_UP  
GSE7218\_IGM\_VS\_IGG\_SIGNAL\_THGOUGH\_ANTIGEN\_BCELL\_UP, GSE7218\_IGM\_VS\_IGG\_SIGNAL\_THGOUGH\_ANTIGEN\_BCELL\_UP  
GSE5589\_IL6\_KO\_VS\_IL10\_KO\_LPS\_AND\_IL6\_STIM\_MACROPHAGE\_45MIN\_UP, GSE5589\_IL6\_KO\_VS\_IL10\_KO\_LPS\_AND\_IL6\_STIM\_MACROPHAGE\_45MIN\_UP  
GSE5589\_WT\_VS\_IL6\_KO\_LPS\_AND\_IL10\_STIM\_MACROPHAGE\_45MIN\_UP, GSE5589\_WT\_VS\_IL6\_KO\_LPS\_AND\_IL10\_STIM\_MACROPHAGE\_45MIN\_UP  
GSE14308\_TH2\_VS\_TH17\_UP, GSE14308\_TH2\_VS\_TH17\_UP  
GSE6674\_ANTI\_IGM\_VS\_PL2\_3\_STIM\_BCELL\_UP, GSE6674\_ANTI\_IGM\_VS\_PL2\_3\_STIM\_BCELL\_UP  
GSE17974\_CTRL\_VS\_ACT\_IL4\_AND\_ANTI\_IL12\_72H\_CD4\_TCELL\_DN, GSE17974\_CTRL\_VS\_ACT\_IL4\_AND\_ANTI\_IL12\_72H\_CD4\_TCELL\_DN  
GSE10273\_HIGH\_IL7\_VS\_HIGH\_IL7\_AND\_IRF4\_IN\_IRF4\_8\_NULL\_PRE\_BCELL\_DN, GSE10273\_HIGH\_IL7\_VS\_HIGH\_IL7\_AND\_IRF4\_IN\_IRF4\_8\_NULL\_PRE\_BCELL\_DN  
GSE21063\_CTRL\_VS\_ANTI\_IGM\_STIM\_BCELL\_16H\_UP, GSE21063\_CTRL\_VS\_ANTI\_IGM\_STIM\_BCELL\_16H\_UP  
GSE37301\_HEMATOPOIETIC\_STEM\_CELL\_VS\_CD4\_TCELL\_UP, GSE37301\_HEMATOPOIETIC\_STEM\_CELL\_VS\_CD4\_TCELL\_UP  
GSE14415\_ACT\_TCONV\_VS\_ACT\_NATURAL\_TREG\_DN, GSE14415\_ACT\_TCONV\_VS\_ACT\_NATURAL\_TREG\_DN  
GSE2770\_IL12\_VS\_IL4\_TREATED\_ACT\_CD4\_TCELL\_48H\_UP, GSE2770\_IL12\_VS\_IL4\_TREATED\_ACT\_CD4\_TCELL\_48H\_UP  
GSE37532\_WT\_VS\_PPARG\_KO\_LN\_TCONV\_DN, GSE37532\_WT\_VS\_PPARG\_KO\_LN\_TCONV\_DN  
GSE27241\_CTRL\_VS\_DIGOXIN\_TREATED\_RORGT\_KO\_CD4\_TCELL\_IN\_TH17\_POLARIZING\_CONDITIONS\_UP, GSE27241\_CTRL\_VS\_DIGOXIN\_TREATED\_RORGT\_KO\_CD4\_TCELL\_IN\_TH17\_POLARIZING\_CONDITIONS\_UP  
GSE5589\_WT\_VS\_IL10\_KO\_LPS\_STIM\_MACROPHAGE\_45MIN\_UP, GSE5589\_WT\_VS\_IL10\_KO\_LPS\_STIM\_MACROPHAGE\_45MIN\_UP  
GSE1460\_DP\_VS\_CD4\_THYMOCYTE\_UP, GSE1460\_DP\_VS\_CD4\_THYMOCYTE\_UP  
GSE6092\_CTRL\_VS\_BORRELIA\_BIRGDOFERI\_INF\_ENDOTHELIAL\_CELL\_UP, GSE6092\_CTRL\_VS\_BORRELIA\_BIRGDOFERI\_INF\_ENDOTHELIAL\_CELL\_UP  
GSE17186\_NAIVE\_VS\_CD21LOW\_TRANSITIONAL\_BCELL\_CORD\_BLOOD\_DN, GSE17186\_NAIVE\_VS\_CD21LOW\_TRANSITIONAL\_BCELL\_CORD\_BLOOD\_DN  
GSE45365\_HEALTHY\_VS\_MCMV\_INFECTION\_CD11B\_DC\_IFNAR\_KO\_DN, GSE45365\_HEALTHY\_VS\_MCMV\_INFECTION\_CD11B\_DC\_IFNAR\_KO\_DN  
GSE9509\_LPS\_VS\_LPS\_AND\_IL10\_STIM\_IL10\_KO\_MACROPHAGE\_30MIN\_DN, GSE9509\_LPS\_VS\_LPS\_AND\_IL10\_STIM\_IL10\_KO\_MACROPHAGE\_30MIN\_DN  
GSE32901\_NAIVE\_VS\_TH17\_NEG\_CD4\_TCELL\_UP, GSE32901\_NAIVE\_VS\_TH17\_NEG\_CD4\_TCELL\_UP  
GSE34205\_HEALTHY\_VS\_FLU\_INF\_INFANT\_PBMCDN, GSE34205\_HEALTHY\_VS\_FLU\_INF\_INFANT\_PBMCDN  
GSE7831\_UNSTIM\_VS\_INFLUENZA\_STIM\_PDC\_1H\_UP, GSE7831\_UNSTIM\_VS\_INFLUENZA\_STIM\_PDC\_1H\_UP  
GSE21546\_SAP1A\_KO\_VS\_SAP1A\_KO\_AND\_ELK1\_KO\_DP\_THYMOCYTES\_DN, GSE21546\_SAP1A\_KO\_VS\_SAP1A\_KO\_AND\_ELK1\_KO\_DP\_THYMOCYTES\_DN  
GSE10240\_CTRL\_VS\_IL17\_AND\_IL22\_STIM\_PRIMARY\_BRONCHIAL\_EPITHELIAL\_CELLS\_UP, GSE10240\_CTRL\_VS\_IL17\_AND\_IL22\_STIM\_PRIMARY\_BRONCHIAL\_EPITHELIAL\_CELLS\_UP  
GSE22033\_WT\_VS\_PPARG\_KO\_MEF\_DN, GSE22033\_WT\_VS\_PPARG\_KO\_MEF\_DN  
GSE6259\_33D1\_POS\_DC\_VS\_CD4\_TCELL\_UP, GSE6259\_33D1\_POS\_DC\_VS\_CD4\_TCELL\_UP  
GSE19941\_UNSTIM\_VS\_LPS\_STIM\_IL10\_KO\_MACROPHAGE\_DN, GSE19941\_UNSTIM\_VS\_LPS\_STIM\_IL10\_KO\_MACROPHAGE\_DN  
GSE5503\_MLN\_DC\_VS\_PLN\_DC\_ACTIVATED\_ALLOGENIC\_TCELL\_UP, GSE5503\_MLN\_DC\_VS\_PLN\_DC\_ACTIVATED\_ALLOGENIC\_TCELL\_UP  
GSE45365\_HEALTHY\_VS\_MCMV\_INFECTION\_CD11B\_DC\_DN, GSE45365\_HEALTHY\_VS\_MCMV\_INFECTION\_CD11B\_DC\_DN  
GSE40274\_CTRL\_VS\_EOS\_TRANSDUCED\_ACTIVATED\_CD4\_TCELL\_UP, GSE40274\_CTRL\_VS\_EOS\_TRANSDUCED\_ACTIVATED\_CD4\_TCELL\_UP  
GSE36078\_UNTREATED\_VS\_AD5\_INF\_MOUSE\_LUNG\_DC\_DN, GSE36078\_UNTREATED\_VS\_AD5\_INF\_MOUSE\_LUNG\_DC\_DN  
GSE27786\_CD8\_TCELL\_VS\_MONO\_MAC\_DN, GSE27786\_CD8\_TCELL\_VS\_MONO\_MAC\_DN  
GSE17301\_CTRL\_VS\_48H\_ACD3\_ACD28\_IFNA2\_STIM\_CD8\_TCELL\_DN, GSE17301\_CTRL\_VS\_48H\_ACD3\_ACD28\_IFNA2\_STIM\_CD8\_TCELL\_DN  
GSE25088\_IL4\_VS\_IL4\_AND\_ROSIGLITAZONE\_STIM\_MACROPHAGE\_DAY10\_UP, GSE25088\_IL4\_VS\_IL4\_AND\_ROSIGLITAZONE\_STIM\_MACROPHAGE\_DAY10\_UP  
GSE6259\_33D1\_POS\_DC\_VS\_BCELL\_DN, GSE6259\_33D1\_POS\_DC\_VS\_BCELL\_DN  
GSE45365\_WT\_VS\_IFNAR\_KO\_BCELL\_MCMV\_INFECTION\_DN, GSE45365\_WT\_VS\_IFNAR\_KO\_BCELL\_MCMV\_INFECTION\_DN  
GSE21670\_TGFB\_VS\_TGFB\_AND\_IL6\_TREATED\_CD4\_TCELL\_UP, GSE21670\_TGFB\_VS\_TGFB\_AND\_IL6\_TREATED\_CD4\_TCELL\_UP  
GSE10239\_KLRG1INT\_VS\_KLRG1HIGH\_EFF\_CD8\_TCELL\_DN, GSE10239\_KLRG1INT\_VS\_KLRG1HIGH\_EFF\_CD8\_TCELL\_DN  
GSE1925\_3H\_VS\_24H\_IFNG\_STIM\_MACROPHAGE\_DN, GSE1925\_3H\_VS\_24H\_IFNG\_STIM\_MACROPHAGE\_DN  
GSE33292\_DN3\_THYMOCYTE\_VS\_TCELL\_LYMPHOMA\_FROM\_TCF1\_KO\_DN, GSE33292\_DN3\_THYMOCYTE\_VS\_TCELL\_LYMPHOMA\_FROM\_TCF1\_KO\_DN  
GSE17721\_LPS\_VS\_PAM3CSK4\_4H\_BMDC\_UP, GSE17721\_LPS\_VS\_PAM3CSK4\_4H\_BMDC\_UP  
GSE3039\_ALPHAALPHA\_CD8\_TCELL\_VS\_B1\_BCELL\_DN, GSE3039\_ALPHAALPHA\_CD8\_TCELL\_VS\_B1\_BCELL\_DN  
GSE23502\_BM\_VS\_COLON\_TUMOR\_MYELOID\_DERIVED\_SUPPRESSOR\_CELL\_DN, GSE23502\_BM\_VS\_COLON\_TUMOR\_MYELOID\_DERIVED\_SUPPRESSOR\_CELL\_DN  
GSE24142\_EARLY\_THYMIC\_PROGENITOR\_VS\_DN2\_THYMOCYTE\_DN, GSE24142\_EARLY\_THYMIC\_PROGENITOR\_VS\_DN2\_THYMOCYTE\_DN  
GSE29618\_BCELL\_VS\_PDC\_DAY7\_FLU\_VACCINE\_UP, GSE29618\_BCELL\_VS\_PDC\_DAY7\_FLU\_VACCINE\_UP  
GSE10240\_CTRL\_VS\_IL17\_AND\_IL22\_STIM\_PRIMARY\_BRONCHIAL\_EPITHELIAL\_CELLS\_DN, GSE10240\_CTRL\_VS\_IL17\_AND\_IL22\_STIM\_PRIMARY\_BRONCHIAL\_EPITHELIAL\_CELLS\_DN  
GSE17301\_ACD3\_ACD28\_VS\_ACD3\_ACD28\_AND\_IFNA5\_STIM\_CD8\_TCELL\_UP, GSE17301\_ACD3\_ACD28\_VS\_ACD3\_ACD28\_AND\_IFNA5\_STIM\_CD8\_TCELL\_UP  
GSE8685\_IL15\_ACT\_IL2\_STARVED\_VS\_IL21\_ACT\_IL2\_STARVED\_CD4\_TCELL\_UP, GSE8685\_IL15\_ACT\_IL2\_STARVED\_VS\_IL21\_ACT\_IL2\_STARVED\_CD4\_TCELL\_UP  
GSE45365\_WT\_VS\_IFNAR\_KO\_CD11B\_DC\_MCMV\_INFECTION\_DN, GSE45365\_WT\_VS\_IFNAR\_KO\_CD11B\_DC\_MCMV\_INFECTION\_DN  
GSE27786\_NKTCCELL\_VS\_MONO\_MAC\_DN, GSE27786\_NKTCCELL\_VS\_MONO\_MAC\_DN  
GSE26488\_CTRL\_VS\_PEPTIDE\_INJECTION\_OT2\_THYMOCYTE\_DN, GSE26488\_CTRL\_VS\_PEPTIDE\_INJECTION\_OT2\_THYMOCYTE\_DN  
GSE24142\_EARLY\_THYMIC\_PROGENITOR\_VS\_DN2\_THYMOCYTE\_ADULT\_DN, GSE24142\_EARLY\_THYMIC\_PROGENITOR\_VS\_DN2\_THYMOCYTE\_ADULT\_DN  
GSE27786\_LSK\_VS\_ERYTHROBLAST\_DN, GSE27786\_LSK\_VS\_ERYTHROBLAST\_DN  
GSE2405\_0H\_VS\_24H\_A\_PHAGOCYTOPHILUM\_STIM\_NEUTROPHIL\_DN, GSE2405\_0H\_VS\_24H\_A\_PHAGOCYTOPHILUM\_STIM\_NEUTROPHIL\_DN  
GSE19923\_WT\_VS\_E2A\_KO\_DP\_THYMOCYTE\_DN, GSE19923\_WT\_VS\_E2A\_KO\_DP\_THYMOCYTE\_DN  
GSE36078\_WT\_VS\_IL1R\_KO\_LUNG\_DC\_AFTER\_AD5\_T425A\_HEXON\_INF\_UP, GSE36078\_WT\_VS\_IL1R\_KO\_LUNG\_DC\_AFTER\_AD5\_T425A\_HEXON\_INF\_UP  
GSE36078\_UNTREATED\_VS\_AD5\_T425A\_HEXON\_INF\_MOUSE\_LUNG\_DC\_DN, GSE36078\_UNTREATED\_VS\_AD5\_T425A\_HEXON\_INF\_MOUSE\_LUNG\_DC\_DN  
GSE32901\_NAIVE\_VS\_TH1\_CD4\_TCELL\_DN, GSE32901\_NAIVE\_VS\_TH1\_CD4\_TCELL\_DN  
GSE21546\_WT\_VS\_SAP1A\_KO\_AND\_ELK1\_KO\_ANTI\_CD3\_STIM\_DP\_THYMOCYTES\_DN, GSE21546\_WT\_VS\_SAP1A\_KO\_AND\_ELK1\_KO\_ANTI\_CD3\_STIM\_DP\_THYMOCYTES\_DN  
GSE27786\_LIN\_NEG\_VS\_ERYTHROBLAST\_DN, GSE27786\_LIN\_NEG\_VS\_ERYTHROBLAST\_DN  
GSE6259\_BCELL\_VS\_CD4\_TCELL\_UP, GSE6259\_BCELL\_VS\_CD4\_TCELL\_UP  
GSE1925\_CTRL\_VS\_24H\_IFNG\_STIM\_MACROPHAGE\_UP, GSE1925\_CTRL\_VS\_24H\_IFNG\_STIM\_MACROPHAGE\_UP  
GSE21379\_WT\_VS\_SAP\_KO\_CD4\_TCELL\_DN, GSE21379\_WT\_VS\_SAP\_KO\_CD4\_TCELL\_DN  
GSE45365\_WT\_VS\_IFNAR\_KO\_BCELL\_DN, GSE45365\_WT\_VS\_IFNAR\_KO\_BCELL\_DN  
GSE42021\_TREG\_PLN\_VS\_TREG\_PRECURSORS\_THYMUS\_UP, GSE42021\_TREG\_PLN\_VS\_TREG\_PRECURSORS\_THYMUS\_UP  
GSE18281\_PERIMEDULLARY\_CORTICAL\_REGION\_VS\_WHOLE\_CORTEX\_THYMUS\_UP, GSE18281\_PERIMEDULLARY\_CORTICAL\_REGION\_VS\_WHOLE\_CORTEX\_THYMUS\_UP  
GSE7509\_UNSTIM\_VS\_FCGRIIB\_STIM\_DC\_UP, GSE7509\_UNSTIM\_VS\_FCGRIIB\_STIM\_DC\_UP  
GSE24492\_LYVE\_NEG\_VS\_POS\_MACROPHAGE\_UP, GSE24492\_LYVE\_NEG\_VS\_POS\_MACROPHAGE\_UP  
GSE32901\_NAIVE\_VS\_TH17\_NEG\_CD4\_TCELL\_DN, GSE32901\_NAIVE\_VS\_TH17\_NEG\_CD4\_TCELL\_DN  
GSE10147\_IL3\_VS\_IL3\_AND\_CPG\_STIM\_PDC\_UP, GSE10147\_IL3\_VS\_IL3\_AND\_CPG\_STIM\_PDC\_UP  
GSE22611\_NOD2\_TRANSD\_VS\_CTRL\_TRANSD\_HEK293\_MDP\_STIM\_6H\_DN, GSE22611\_NOD2\_TRANSD\_VS\_CTRL\_TRANSD\_HEK293\_MDP\_STIM\_6H\_DN  
GSE9037\_WT\_VS\_IRAK4\_KO\_BMDM\_DN, GSE9037\_WT\_VS\_IRAK4\_KO\_BMDM\_DN