

GSE41867\_NAIVE\_VS\_DAY30\_LCMV\_ARMSTRONG\_CD8\_TCELL\_DN, GSE41867\_NAIVE\_VS\_DAY30\_LCMV\_ARMSTRONG\_MEMORY\_CD8\_TCELL\_DN  
GSE2770\_TGFB\_AND\_IL4\_VS\_IL12\_TREATED\_ACT\_CD4\_TCELL\_6H\_DN, GSE2770\_TGFB\_AND\_IL4\_VS\_IL12\_TREATED\_ACT\_CD4\_TCELL\_6H\_DN  
GSE37532\_WT\_VS\_PPARG\_KO\_VISCERAL\_ADIPOSE\_TISSUE\_TCONV\_DN, GSE37532\_WT\_VS\_PPARG\_KO\_VISCERAL\_ADIPOSE\_TISSUE\_TCONV\_DN  
GSE41867\_DAY6\_VS\_DAY8\_LCMV\_CLONE13\_EFFECTOR\_CD8\_TCELL\_DN, GSE41867\_DAY6\_VS\_DAY8\_LCMV\_CLONE13\_EFFECTOR\_CD8\_TCELL\_DN  
GSE41867\_DAY6\_EFFECTOR\_VS\_DAY30\_EXHAUSTED\_CD8\_TCELL\_LCMV\_CLONE13\_DN, GSE41867\_DAY6\_EFFECTOR\_VS\_DAY30\_EXHAUSTED\_CD8\_TCELL\_LCMV\_CLONE13\_DN  
GSE41867\_NAIVE\_VS\_DAY8\_LCMV\_EFFECTOR\_CD8\_TCELL\_UP, GSE41867\_NAIVE\_VS\_DAY8\_LCMV\_EFFECTOR\_CD8\_TCELL\_UP  
GSE6259\_FLT3L\_INDUCED\_33D1\_POS\_DC\_VS\_BCELL\_UP, GSE6259\_FLT3L\_INDUCED\_33D1\_POS\_DC\_VS\_BCELL\_UP  
GSE11961\_FOLLICULAR\_BCELL\_VS\_GERMINAL\_CENTER\_BCELL\_DAY7\_UP, GSE11961\_FOLLICULAR\_BCELL\_VS\_GERMINAL\_CENTER\_BCELL\_DAY7\_UP  
GSE41867\_NAIVE\_VS\_DAY15\_LCMV\_ARMSTRONG\_EFFECTOR\_CD8\_TCELL\_UP, GSE41867\_NAIVE\_VS\_DAY15\_LCMV\_ARMSTRONG\_EFFECTOR\_CD8\_TCELL\_UP  
GSE17721\_POLYIC\_VS\_PAM3CSK4\_24H\_BMDC\_DN, GSE17721\_POLYIC\_VS\_PAM3CSK4\_24H\_BMDC\_DN  
GSE45881\_CXCR6HI\_VS\_CXCR1LO\_COLONIC\_LAMINA\_PROPRIA\_UP, GSE45881\_CXCR6HI\_VS\_CXCR1LO\_COLONIC\_LAMINA\_PROPRIA\_UP  
GSE3920\_UNTREATED\_VS\_IFNA\_TREATED\_FIBROBLAST\_DN, GSE3920\_UNTREATED\_VS\_IFNA\_TREATED\_FIBROBLAST\_DN  
GSE7460\_CTRL\_VS\_TGFB\_TREATED\_ACT\_FOXP3\_HET\_TCONV\_UP, GSE7460\_CTRL\_VS\_TGFB\_TREATED\_ACT\_FOXP3\_HET\_TCONV\_UP  
GSE21063\_WT\_VS\_NFATC1\_KO\_16H\_ANTI\_IGM\_STIM\_BCELL\_UP, GSE21063\_WT\_VS\_NFATC1\_KO\_16H\_ANTI\_IGM\_STIM\_BCELL\_UP  
GSE41867\_DAY6\_VS\_DAY8\_LCMV\_ARMSTRONG\_EFFECTOR\_CD8\_TCELL\_UP, GSE41867\_DAY6\_VS\_DAY8\_LCMV\_ARMSTRONG\_EFFECTOR\_CD8\_TCELL\_UP  
GSE15330\_LYMPHOID\_MULTIPOTENT\_VS\_MEGAKARYOCYTE\_ERYTHROID\_PROGENITOR\_UP, GSE15330\_LYMPHOID\_MULTIPOTENT\_VS\_MEGAKARYOCYTE\_ERYTHROID\_PROGEN  
GSE13411\_IGM\_VS\_SWITCHED\_MEMORY\_BCELL\_DN, GSE13411\_IGM\_VS\_SWITCHED\_MEMORY\_BCELL\_DN  
GSE22886\_TH1\_VS\_TH2\_48H\_ACT\_DN, GSE22886\_TH1\_VS\_TH2\_48H\_ACT\_DN  
GSE41867\_NAIVE\_VS\_DAY15\_LCMV\_CONE13\_EFFECTOR\_CD8\_TCELL\_DN, GSE41867\_NAIVE\_VS\_DAY15\_LCMV\_CONE13\_EFFECTOR\_CD8\_TCELL\_DN  
GSE22601\_IMMATURE\_CD4\_SINGLE\_POSITIVE\_VS\_CD8\_SINGLE\_POSITIVE\_THYMOCYTE\_DN, GSE22601\_IMMATURE\_CD4\_SINGLE\_POSITIVE\_VS\_CD8\_SINGLE\_POSITIVE\_THYMOCY  
GSE41176\_UNSTIM\_VS\_ANTI\_IGM\_STIM\_BCELL\_24H\_DN, GSE41176\_UNSTIM\_VS\_ANTI\_IGM\_STIM\_BCELL\_24H\_DN  
GSE17721\_0.5H\_VS\_4H\_POLYIC\_BMDC\_DN, GSE17721\_0.5H\_VS\_4H\_POLYIC\_BMDC\_DN  
GSE15330\_HSC\_VS\_GNANULOCYTE\_MONOCYTE\_PROGENITOR\_IKAROS\_KO\_DN, GSE15330\_HSC\_VS\_GNANULOCYTE\_MONOCYTE\_PROGENITOR\_IKAROS\_KO\_DN  
GSE16385\_ROSIGLITAZONE\_IL4\_VS\_IL4\_ALONE\_STIM\_MACROPHAGE\_12H\_DN, GSE16385\_ROSIGLITAZONE\_IL4\_VS\_IL4\_ALONE\_STIM\_MACROPHAGE\_12H\_DN  
GSE37534\_UNTREATED\_VS\_PIOGLITAZONE\_TREATED\_CD4\_TCELL\_PPARG1\_AND\_FOXP3 TRASDUCED\_UP, GSE37534\_UNTREATED\_VS\_PIOGLITAZONE\_TREATED\_CD4\_TCELL\_PP  
GSE42021\_TCONV\_PLN\_VS\_TREG\_PRECURSORS\_THYMUS\_DN, GSE42021\_TCONV\_PLN\_VS\_TREG\_PRECURSORS\_THYMUS\_DN  
GSE17721\_LPS\_VS\_PAM3CSK4\_1H\_BMDC\_UP, GSE17721\_LPS\_VS\_PAM3CSK4\_1H\_BMDC\_UP  
GSE2770\_UNTREATED\_VS\_TGFB\_AND\_IL4\_TREATED\_ACT\_CD4\_TCELL\_4H\_UP, GSE2770\_UNTREATED\_VS\_TGFB\_AND\_IL4\_TREATED\_ACT\_CD4\_TCELL\_4H\_UP  
GSE339\_CD8POS\_VS\_CD4CD8DN\_DC\_IN\_CULTURE\_DN, GSE339\_CD8POS\_VS\_CD4CD8DN\_DC\_IN\_CULTURE\_DN  
GSE11961\_FOLLICULAR\_BCELL\_VS\_MEMORY\_BCELL\_DAY7\_DN, GSE11961\_FOLLICULAR\_BCELL\_VS\_MEMORY\_BCELL\_DAY7\_DN  
GSE41867\_DAY8\_EFFECTOR\_VS\_DAY30\_EXHAUSTED\_CD8\_TCELL\_LCMV\_CLONE13\_DN, GSE41867\_DAY8\_EFFECTOR\_VS\_DAY30\_EXHAUSTED\_CD8\_TCELL\_LCMV\_CLONE13\_DN  
GSE20366\_EX\_VIVO\_VS\_HOMEOSTATIC\_CONVERSION\_NAIVE\_CD4\_TCELL\_UP, GSE20366\_EX\_VIVO\_VS\_HOMEOSTATIC\_CONVERSION\_NAIVE\_CD4\_TCELL\_UP  
GSE17721\_0.5H\_VS\_8H\_PAM3CSK4\_BMDC\_DN, GSE17721\_0.5H\_VS\_8H\_PAM3CSK4\_BMDC\_DN  
GSE11818\_WT\_VS\_DICER\_KO\_TREG\_DN, GSE11818\_WT\_VS\_DICER\_KO\_TREG\_DN  
GSE24142\_DN2\_VS\_DN3\_THYMOCYTE\_ADULT\_DN, GSE24142\_DN2\_VS\_DN3\_THYMOCYTE\_ADULT\_DN  
GSE16385\_MONOCYTE\_VS\_12H\_ROSIGLITAZONE\_IFNG\_TNF\_TREATED\_MACROPHAGE\_DN, GSE16385\_MONOCYTE\_VS\_12H\_ROSIGLITAZONE\_IFNG\_TNF\_TREATED\_MACROPHAG  
GSE11961\_FOLLICULAR\_BCELL\_VS\_PLASMA\_CELL\_DAY7\_DN, GSE11961\_FOLLICULAR\_BCELL\_VS\_PLASMA\_CELL\_DAY7\_DN  
GSE17721\_POLYIC\_VS\_CPG\_6H\_BMDC\_DN, GSE17721\_POLYIC\_VS\_CPG\_6H\_BMDC\_DN  
GSE7852\_TREG\_VS\_TCONV\_FAT\_DN, GSE7852\_TREG\_VS\_TCONV\_FAT\_DN  
GSE17186\_MEMORY\_VS\_NAIVE\_BCELL\_UP, GSE17186\_MEMORY\_VS\_NAIVE\_BCELL\_UP  
GSE29949\_CD8\_POS\_DC\_SPLEEN\_VS\_MONOCYTE\_BONE\_MARROW\_DN, GSE29949\_CD8\_POS\_DC\_SPLEEN\_VS\_MONOCYTE\_BONE\_MARROW\_DN  
GSE3982\_MAST\_CELL\_VS\_TH2\_UP, GSE3982\_MAST\_CELL\_VS\_TH2\_UP  
GSE360\_DC\_VS\_MAC\_M\_TUBERCULOSIS\_DN, GSE360\_DC\_VS\_MAC\_M\_TUBERCULOSIS\_DN  
GSE5542\_IFNA\_VS\_IFNA\_AND\_IFNG\_TREATED\_EPITHELIAL\_CELLS\_6H\_UP, GSE5542\_IFNA\_VS\_IFNA\_AND\_IFNG\_TREATED\_EPITHELIAL\_CELLS\_6H\_UP  
GSE29615\_CTRL\_VS\_DAY3\_LAIV\_IFLU\_VACCINE\_PBMC\_UP, GSE29615\_CTRL\_VS\_DAY3\_LAIV\_IFLU\_VACCINE\_PBMC\_UP  
GSE16385\_ROSIGLITAZONE\_IFNG\_TNF\_VS\_IL4\_STIM\_MACROPHAGE\_DN, GSE16385\_ROSIGLITAZONE\_IFNG\_TNF\_VS\_IL4\_STIM\_MACROPHAGE\_DN  
GSE1448\_ANTI\_VALPHA2\_VS\_VBETA5\_DP\_THYMOCYTE\_UP, GSE1448\_ANTI\_VALPHA2\_VS\_VBETA5\_DP\_THYMOCYTE\_UP  
GSE11057\_NAIVE\_VS\_CENT\_MEMORY\_CD4\_TCELL\_UP, GSE11057\_NAIVE\_VS\_CENT\_MEMORY\_CD4\_TCELL\_UP  
GSE40274\_CTRL\_VS\_IRF4\_TRANSDUCED\_ACTIVATED\_CD4\_TCELL\_DN, GSE40274\_CTRL\_VS\_IRF4\_TRANSDUCED\_ACTIVATED\_CD4\_TCELL\_DN  
GSE12505\_WT\_VS\_E2\_2\_HET\_PDC\_DN, GSE12505\_WT\_VS\_E2\_2\_HET\_PDC\_DN  
GSE27859\_CD11C\_INT\_F480\_HI\_MACROPHAGE\_VS\_CD11C\_ING\_F480\_INT\_DC\_DN, GSE27859\_CD11C\_INT\_F480\_HI\_MACROPHAGE\_VS\_CD11C\_ING\_F480\_INT\_DC\_DN  
GSE40274\_LEF1\_VS\_FOXP3\_AND\_LEF1\_TRANSDUCED\_ACTIVATED\_CD4\_TCELL\_DN, GSE40274\_LEF1\_VS\_FOXP3\_AND\_LEF1\_TRANSDUCED\_ACTIVATED\_CD4\_TCELL\_DN  
GSE26488\_WT\_VS\_HDAC7\_KO\_DOUBLE\_POSITIVE\_THYMOCYTE\_UP, GSE26488\_WT\_VS\_HDAC7\_KO\_DOUBLE\_POSITIVE\_THYMOCYTE\_UP  
GSE24142\_EARLY\_THYMIC\_PROGENITOR\_VS\_DN2\_THYMOCYTE\_DN, GSE24142\_EARLY\_THYMIC\_PROGENITOR\_VS\_DN2\_THYMOCYTE\_DN  
GSE17721\_4\_VS\_24H\_CPG\_BMDC\_UP, GSE17721\_4\_VS\_24H\_CPG\_BMDC\_UP  
GSE22313\_HEALTHY\_VS\_SLE\_MOUSE\_CD4\_TCELL\_UP, GSE22313\_HEALTHY\_VS\_SLE\_MOUSE\_CD4\_TCELL\_UP  
GSE17721\_POLYIC\_VS\_GARDIQUIMOD\_8H\_BMDC\_UP, GSE17721\_POLYIC\_VS\_GARDIQUIMOD\_8H\_BMDC\_UP  
GSE21063\_WT\_VS\_NFATC1\_KO\_3H\_ANTI\_IGM\_STIM\_BCELL\_UP, GSE21063\_WT\_VS\_NFATC1\_KO\_3H\_ANTI\_IGM\_STIM\_BCELL\_UP  
GSE21774\_CD56\_BRIGHT\_VS\_DIM\_CD62L\_POSITIVE\_NK\_CELL\_DN, GSE21774\_CD56\_BRIGHT\_VS\_DIM\_CD62L\_POSITIVE\_NK\_CELL\_DN  
GSE42021\_TREG\_PLN\_VS\_CD24HI\_TREG\_THYMUS\_UP, GSE42021\_TREG\_PLN\_VS\_CD24HI\_TREG\_THYMUS\_UP  
GSE4590\_PRE\_BCELL\_VS\_SMALL\_PRE\_BCELL\_DN, GSE4590\_PRE\_BCELL\_VS\_SMALL\_PRE\_BCELL\_DN  
GSE3982\_BCELL\_VS\_EFF\_MEMORY\_CD4\_TCELL\_DN, GSE3982\_BCELL\_VS\_EFF\_MEMORY\_CD4\_TCELL\_DN  
GSE10240\_IL17\_VS\_IL17\_AND\_IL22\_STIM\_PRIMARY\_BRONCHIAL\_EPITHELIAL\_CELLS\_DN, GSE10240\_IL17\_VS\_IL17\_AND\_IL22\_STIM\_PRIMARY\_BRONCHIAL\_EPITHELIAL\_CELLS\_DN  
GSE21033\_1H\_VS\_24H\_POLYIC\_STIM\_DC\_UP, GSE21033\_1H\_VS\_24H\_POLYIC\_STIM\_DC\_UP  
GSE16385\_UNTREATED\_VS\_12H\_ROSIGLITAZONE\_TREATED\_MACROPHAGE\_DN, GSE16385\_UNTREATED\_VS\_12H\_ROSIGLITAZONE\_TREATED\_MACROPHAGE\_DN  
GSE39820\_IL1B\_IL6\_VS\_IL1B\_IL6\_IL23A\_TREATED\_CD4\_TCELL\_DN, GSE39820\_IL1B\_IL6\_VS\_IL1B\_IL6\_IL23A\_TREATED\_CD4\_TCELL\_DN  
GSE360\_HIGH\_DOSE\_B\_MALAYI\_VS\_M\_TUBERCULOSIS\_MAC\_DN, GSE360\_HIGH\_DOSE\_B\_MALAYI\_VS\_M\_TUBERCULOSIS\_MAC\_DN  
GSE8835\_HEALTHY\_VS\_CLL\_CD4\_TCELL\_DN, GSE8835\_HEALTHY\_VS\_CLL\_CD4\_TCELL\_DN  
GSE360\_CTRL\_VS\_B\_MALAYI\_LOW\_DOSE\_DC\_DN, GSE360\_CTRL\_VS\_B\_MALAYI\_LOW\_DOSE\_DC\_DN  
GSE6092\_UNSTIM\_VS\_IFNG\_STIM\_AND\_B\_BURGDORFERI\_INF\_ENDOTHELIAL\_CELL\_DN, GSE6092\_UNSTIM\_VS\_IFNG\_STIM\_AND\_B\_BURGDORFERI\_INF\_ENDOTHELIAL\_CELL\_DN  
GSE1740\_MCSF\_VS\_MCSF\_AND\_IFNG\_DAY2\_DERIVED\_MACROPHAGE\_UP, GSE1740\_MCSF\_VS\_MCSF\_AND\_IFNG\_DAY2\_DERIVED\_MACROPHAGE\_UP  
GSE1448\_ANTI VALPHA2\_VS\_VBETA5\_DP\_THYMOCYTE\_DN, GSE1448\_ANTI VALPHA2\_VS\_VBETA5\_DP\_THYMOCYTE\_DN  
GSE4984\_LPS\_VS\_VEHICLE\_CTRL\_TREATED\_DC\_UP, GSE4984\_LPS\_VS\_VEHICLE\_CTRL\_TREATED\_DC\_UP  
GSE26928\_NAIVE\_VS\_EFF\_MEMORY\_CD4\_TCELL\_UP, GSE26928\_NAIVE\_VS\_EFF\_MEMORY\_CD4\_TCELL\_UP  
GSE41867\_NAIVE\_VS\_DAY8\_LCMV\_ARMSTRONG\_EFFECTOR\_CD8\_TCELL\_UP, GSE41867\_NAIVE\_VS\_DAY8\_LCMV\_ARMSTRONG\_EFFECTOR\_CD8\_TCELL\_UP  
GSE2770\_IL12\_AND\_TGFB\_VS\_IL4\_TREATED\_ACT\_CD4\_TCELL\_48H\_DN, GSE2770\_IL12\_AND\_TGFB\_VS\_IL4\_TREATED\_ACT\_CD4\_TCELL\_48H\_DN  
GSE21927\_SPLENIC\_C26GM\_TUMOROUS\_VS\_BONE\_MARROW\_MONOCYTES\_UP, GSE21927\_SPLENIC\_C26GM\_TUMOROUS\_VS\_BONE\_MARROW\_MONOCYTES\_UP  
GSE27786\_ERYTHROBLAST\_VS\_NEUTROPHIL\_UP, GSE27786\_ERYTHROBLAST\_VS\_NEUTROPHIL\_UP  
GSE15659\_RESTING\_TREG\_VS\_NONSUPPRESSIVE\_TCELL\_DN, GSE15659\_RESTING\_TREG\_VS\_NONSUPPRESSIVE\_TCELL\_DN  
GSE43955\_TH0\_VS\_TGFB\_IL6\_TH17\_ACT\_CD4\_TCELL\_30H\_UP, GSE43955\_TH0\_VS\_TGFB\_IL6\_TH17\_ACT\_CD4\_TCELL\_30H\_UP  
GSE15659\_RESTING\_TREG\_VS\_NONSUPPRESSIVE\_TCELL\_UP, GSE15659\_RESTING\_TREG\_VS\_NONSUPPRESSIVE\_TCELL\_UP  
GSE11961\_FOLLICULAR\_BCELL\_VS\_MARGINAL\_ZONE\_BCELL\_DN, GSE11961\_FOLLICULAR\_BCELL\_VS\_MARGINAL\_ZONE\_BCELL\_DN  
GSE12845\_IGD\_POS\_VS\_NEG\_BLOOD\_BCELL\_UP, GSE12845\_IGD\_POS\_VS\_NEG\_BLOOD\_BCELL\_UP  
GSE2585\_CD80\_HIGH\_VS\_LOW\_AIRE\_KO\_MTEC\_UP, GSE2585\_CD80\_HIGH\_VS\_LOW\_AIRE\_KO\_MTEC\_UP  
GSE15659\_NAIVE\_CD4\_TCELL\_VS\_NONSUPPRESSIVE\_TCELL\_DN, GSE15659\_NAIVE\_CD4\_TCELL\_VS\_NONSUPPRESSIVE\_TCELL\_DN  
GSE19923\_E2A\_KO\_VS\_HEB\_AND\_E2A\_KO\_DP\_THYMOCYTE\_DN, GSE19923\_E2A\_KO\_VS\_HEB\_AND\_E2A\_KO\_DP\_THYMOCYTE\_DN  
GSE17721\_CTRL\_VS\_POLYIC\_6H\_BMDC\_DN, GSE17721\_CTRL\_VS\_POLYIC\_6H\_BMDC\_DN  
GSE21063\_CTRL\_VS\_ANTI\_IGM\_STIM\_BCELL\_3H\_UP, GSE21063\_CTRL\_VS\_ANTI\_IGM\_STIM\_BCELL\_3H\_UP  
GSE36527\_CD62L\_HIGH\_VS\_CD62L\_LOW\_TREG\_CD69\_NEG\_KLRG1\_NEG\_DN, GSE36527\_CD62L\_HIGH\_VS\_CD62L\_LOW\_TREG\_CD69\_NEG\_KLRG1\_NEG\_DN  
GSE43863\_NAIVE\_VS\_LY6C\_LOW\_CXCR5NEG\_CD4\_EFF\_TCELL\_D6\_LCMV\_UP, GSE43863\_NAIVE\_VS\_LY6C\_LOW\_CXCR5NEG\_CD4\_EFF\_TCELL\_D6\_LCMV\_UP  
GSE39820\_IL1B\_IL6\_VS\_IL1B\_IL6\_IL23A\_TREATED\_CD4\_TCELL\_UP, GSE39820\_IL1B\_IL6\_VS\_IL1B\_IL6\_IL23A\_TREATED\_CD4\_TCELL\_UP  
GSE37301\_LYMPHOID\_PRIMED\_MPP\_VS\_RAG2\_KO\_NK\_CELL\_DN, GSE37301\_LYMPHOID\_PRIMED\_MPP\_VS\_RAG2\_KO\_NK\_CELL\_DN  
GSE2585\_CD80\_HIGH\_VS\_LOW\_MTEC\_DN, GSE2585\_CD80\_HIGH\_VS\_LOW\_MTEC\_DN  
GSE7459\_UNTREATED\_VS\_IL6\_TREATED\_ACT\_CD4\_TCELL\_UP, GSE7459\_UNTREATED\_VS\_IL6\_TREATED\_ACT\_CD4\_TCELL\_UP  
GSE17721\_PAM3CSK4\_VS\_CPG\_2H\_BMDC\_UP, GSE17721\_PAM3CSK4\_VS\_CPG\_2H\_BMDC\_UP  
GSE29618\_PRE\_VS\_DAY7\_POST\_LAIV\_FLU\_VACCINE\_BCELL\_DN, GSE29618\_PRE\_VS\_DAY7\_POST\_LAIV\_FLU\_VACCINE\_BCELL\_DN  
GSE43955\_TH0\_VS\_TGFB\_IL6\_TH17\_ACT\_CD4\_TCELL\_10H\_DN, GSE43955\_TH0\_VS\_TGFB\_IL6\_TH17\_ACT\_CD4\_TCELL\_10H\_DN  
GSE12366\_NAIVE\_VS\_MEMORY\_BCELL\_UP, GSE12366\_NAIVE\_VS\_MEMORY\_BCELL\_UP  
GSE23505\_UNTREATED\_VS\_4DAY\_IL6\_IL1\_TGFB\_TREATED\_CD4\_TCELL\_UP, GSE23505\_UNTREATED\_VS\_4DAY\_IL6\_IL1\_TGFB\_TREATED\_CD4\_TCELL\_UP  
GSE1925\_CTRL\_VS\_3H\_IFNG\_STIM\_MACROPHAGE\_DN, GSE1925\_CTRL\_VS\_3H\_IFNG\_STIM\_MACROPHAGE\_DN