

GSE19923\_WT\_VS\_HEB\_AND\_E2A\_KO\_DP\_THYMOCTYE\_UP, GSE19923\_WT\_VS\_HEB\_AND\_E2A\_KO\_DP\_THYMOCTYE\_UP  
GSE46606\_IRF4HIGH\_VS\_WT\_CD40L\_IL2\_IL5\_DAY1\_STIMULATED\_BCELL\_UP, GSE46606\_IRF4HIGH\_VS\_WT\_CD40L\_IL2\_IL5\_DAY1\_STIMULATED\_BCELL\_UP  
GSE6674\_CPG\_VS\_PL2\_3\_STIM\_BCELL\_UP, GSE6674\_CPG\_VS\_PL2\_3\_STIM\_BCELL\_UP  
GSE42021\_TREG\_PLN\_VS\_CD24HL\_TREG\_THYMUS\_DN, GSE42021\_TREG\_PLN\_VS\_CD24HL\_TREG\_THYMUS\_DN  
GSE42724\_B1\_BCELL\_VS\_PLASMABLAST\_DN, GSE42724\_B1\_BCELL\_VS\_PLASMABLAST\_DN  
GSE14769\_UNSTIM\_VS\_120MIN\_LPS\_BMDM\_UP, GSE14769\_UNSTIM\_VS\_120MIN\_LPS\_BMDM\_UP  
GSE17721\_CTRL\_VS\_POLYIC\_12H\_BMDC\_UP, GSE17721\_CTRL\_VS\_POLYIC\_12H\_BMDC\_UP  
GSE339\_EX\_VIVO\_VS\_IN\_CULTURE\_CD4CD8DN\_DC\_UP, GSE339\_EX\_VIVO\_VS\_IN\_CULTURE\_CD4CD8DN\_DC\_UP  
GSE21360\_PRIMARY\_VS\_TERTIARY\_MEMORY\_CD8\_TCELL\_UP, GSE21360\_PRIMARY\_VS\_TERTIARY\_MEMORY\_CD8\_TCELL\_UP  
GSE36527\_CD69\_NEG\_VS\_POS\_TREG\_CD62L\_LOS\_KLRG1\_NEG\_DN, GSE36527\_CD69\_NEG\_VS\_POS\_TREG\_CD62L\_LOS\_KLRG1\_NEG\_DN  
GSE9650\_GP33\_VS\_GP276\_LCMV\_SPECIFIC\_EXHAUSTED\_CD8\_TCELL\_DN, GSE9650\_GP33\_VS\_GP276\_LCMV\_SPECIFIC\_EXHAUSTED\_CD8\_TCELL\_DN  
GSE9988\_LOW\_LPS\_VS\_VEHICLE\_TREATED\_MONOCYTE\_DN, GSE9988\_LOW\_LPS\_VS\_VEHICLE\_TREATED\_MONOCYTE\_DN  
GSE23308\_CTRL\_VS\_CORTICOSTERONE\_TREATED\_MACROPHAGE\_MINERALCORTICOID\_REC\_KO\_UP, GSE23308\_CTRL\_VS\_CORTICOSTERONE\_TREATED\_MACROPHAGE\_MINERALCORTICOID\_REC\_KO\_UP  
GSE15330\_LYMPHOID\_MULTIPOTENT\_VS GRANULOCYTE\_MONOCYTE\_PROGENITOR\_DN, GSE15330\_LYMPHOID\_MULTIPOTENT\_VS GRANULOCYTE\_MONOCYTE\_PROGENITOR\_DN  
GSE5589\_LPS\_VS\_LPS\_AND\_IL10\_STIM\_IL6\_KO\_MACROPHAGE\_180MIN\_UP, GSE5589\_LPS\_VS\_LPS\_AND\_IL10\_STIM\_IL6\_KO\_MACROPHAGE\_180MIN\_UP  
GSE35685\_CD34POS\_CD10NEG\_CD62LPOS\_VS\_CD34POS\_CD10POS\_BONE\_MARROW\_UP, GSE35685\_CD34POS\_CD10NEG\_CD62LPOS\_VS\_CD34POS\_CD10POS\_BONE\_MARROW\_UP  
GSE32986\_GMCSF\_AND\_CURDLAN\_LOWDOSE\_VS\_GMCSF\_AND\_CURDLAN\_HIGHDOSE\_STIM\_DC\_UP, GSE32986\_GMCSF\_AND\_CURDLAN\_LOWDOSE\_VS\_GMCSF\_AND\_CURDLAN\_HIGHDOSE\_STIM\_DC\_UP  
GSE38681\_WT\_VS\_LYL1\_KO\_LYMPHOID\_PRIMED\_MULTIPOTENT\_PROGENITOR\_UP, GSE38681\_WT\_VS\_LYL1\_KO\_LYMPHOID\_PRIMED\_MULTIPOTENT\_PROGENITOR\_UP  
GSE40666\_UNTREATED\_VS\_IFNA\_STIM\_CD8\_TCELL\_90MIN\_DN, GSE40666\_UNTREATED\_VS\_IFNA\_STIM\_CD8\_TCELL\_90MIN\_DN  
GSE40666\_STAT1\_KO\_VS\_STAT4\_KO\_CD8\_TCELL\_UP, GSE40666\_STAT1\_KO\_VS\_STAT4\_KO\_CD8\_TCELL\_UP  
GSE17721\_LPS\_VS\_CPG\_8H\_BMDC\_DN, GSE17721\_LPS\_VS\_CPG\_8H\_BMDC\_DN  
GSE28737\_FOLLICULAR\_VS\_MARGINAL\_ZONE\_BCELL\_UP, GSE28737\_FOLLICULAR\_VS\_MARGINAL\_ZONE\_BCELL\_UP  
GSE35825\_UNTREATED\_VS\_IFNA\_STIM\_MACROPHAGE\_UP, GSE35825\_UNTREATED\_VS\_IFNA\_STIM\_MACROPHAGE\_UP  
GSE16522\_ANTI\_CD3CD28\_STIM\_VS\_UNSTIM\_MEMORY\_CD8\_TCELL\_DN, GSE16522\_ANTI\_CD3CD28\_STIM\_VS\_UNSTIM\_MEMORY\_CD8\_TCELL\_DN  
GSE5589\_UNSTIM\_VS\_45MIN\_LPS\_AND\_IL10\_STIM\_MACROPHAGE\_UP, GSE5589\_UNSTIM\_VS\_45MIN\_LPS\_AND\_IL10\_STIM\_MACROPHAGE\_UP  
GSE6259\_FLT3L\_INDUCED\_33D1\_POS\_DC\_VS\_BCELL\_DN, GSE6259\_FLT3L\_INDUCED\_33D1\_POS\_DC\_VS\_BCELL\_DN  
GSE360\_HIGH\_VS\_LOW\_DOSE\_B\_MALAYI\_MAC\_UP, GSE360\_HIGH\_VS\_LOW\_DOSE\_B\_MALAYI\_MAC\_UP  
GSE46606\_UNSTIM\_VS\_CD40L\_IL2\_IL5\_3DAY\_STIMULATED\_IRF4MID\_SORTED\_BCELL\_UP, GSE46606\_UNSTIM\_VS\_CD40L\_IL2\_IL5\_3DAY\_STIMULATED\_IRF4MID\_SORTED\_BCELL\_UP  
GSE17721\_CTRL\_VS\_GARDIQUIMOD\_8H\_BMDC\_UP, GSE17721\_CTRL\_VS\_GARDIQUIMOD\_8H\_BMDC\_UP  
GSE14769\_UNSTIM\_VS\_60MIN\_LPS\_BMDM\_UP, GSE14769\_UNSTIM\_VS\_60MIN\_LPS\_BMDM\_UP  
GSE32986\_CURDLAN\_LOWDOSE\_VS\_GMCSF\_AND\_CURDLAN\_LOWDOSE\_STIM\_DC\_UP, GSE32986\_CURDLAN\_LOWDOSE\_VS\_GMCSF\_AND\_CURDLAN\_LOWDOSE\_STIM\_DC\_UP  
GSE339\_EX\_VIVO\_VS\_IN\_CULTURE\_CD4POS\_DC\_UP, GSE339\_EX\_VIVO\_VS\_IN\_CULTURE\_CD4POS\_DC\_UP  
GSE5589\_LPS\_AND\_IL10\_VS\_LPS\_AND\_IL6\_STIM\_MACROPHAGE\_45MIN\_UP, GSE5589\_LPS\_AND\_IL10\_VS\_LPS\_AND\_IL6\_STIM\_MACROPHAGE\_45MIN\_UP  
GSE23308\_WT\_VS\_MINERALCORTICOID\_REC\_KO\_MACROPHAGE\_UP, GSE23308\_WT\_VS\_MINERALCORTICOID\_REC\_KO\_MACROPHAGE\_UP  
GSE19923\_HEB\_KO\_VS\_HEB\_AND\_E2A\_KO\_DP\_THYMOCTYE\_UP, GSE19923\_HEB\_KO\_VS\_HEB\_AND\_E2A\_KO\_DP\_THYMOCTYE\_UP  
GSE17721\_CTRL\_VS\_CPG\_6H\_BMDC\_UP, GSE17721\_CTRL\_VS\_CPG\_6H\_BMDC\_UP  
GSE22140\_HEALTHY\_VS\_ ARTHRITIC\_MOUSE\_CD4\_TCELL\_DN, GSE22140\_HEALTHY\_VS\_ ARTHRITIC\_MOUSE\_CD4\_TCELL\_DN  
GSE20198\_IL12\_IL18\_VS\_IFNA\_TREATED\_ACT\_CD4\_TCELL\_UP, GSE20198\_IL12\_IL18\_VS\_IFNA\_TREATED\_ACT\_CD4\_TCELL\_UP  
GSE17721\_0.5H\_VS\_4H\_CPG\_BMDC\_UP, GSE17721\_0.5H\_VS\_4H\_CPG\_BMDC\_UP  
GSE2770\_UNTREATED\_VS\_ACT\_CD4\_TCELL\_6H\_UP, GSE2770\_UNTREATED\_VS\_ACT\_CD4\_TCELL\_6H\_UP  
GSE24726\_WT\_VS\_E2\_2\_KO\_PDC\_UP, GSE24726\_WT\_VS\_E2\_2\_KO\_PDC\_UP  
GSE11924\_TFH\_VS\_THI7\_CD4\_TCELL\_UP, GSE11924\_TFH\_VS\_THI7\_CD4\_TCELL\_UP  
GSE17721\_4\_VS\_24H\_GARDIQUIMOD\_BMDC\_DN, GSE17721\_4\_VS\_24H\_GARDIQUIMOD\_BMDC\_DN  
GSE34515\_CD16\_POS\_MONOCYTE\_VS\_DC\_DN, GSE34515\_CD16\_POS\_MONOCYTE\_VS\_DC\_DN  
GSE22935\_UNSTIM\_VS\_12H\_MBOVIS\_BCG\_STIM\_MACROPHAGE\_UP, GSE22935\_UNSTIM\_VS\_12H\_MBOVIS\_BCG\_STIM\_MACROPHAGE\_UP  
GSE3720\_VD1\_VS\_VD2\_GAMMADELTA\_TCELL\_WITH\_PMA\_STIM\_DN, GSE3720\_VD1\_VS\_VD2\_GAMMADELTA\_TCELL\_WITH\_PMA\_STIM\_DN  
GSE17721\_CTRL\_VS\_GARDIQUIMOD\_24H\_BMDC\_UP, GSE17721\_CTRL\_VS\_GARDIQUIMOD\_24H\_BMDC\_UP  
GSE41867\_DAY8\_EFFECTOR\_VS\_DAY30\_EXHAUSTED\_CD8\_TCELL\_LCMV\_CLONEI3\_DN, GSE41867\_DAY8\_EFFECTOR\_VS\_DAY30\_EXHAUSTED\_CD8\_TCELL\_LCMV\_CLONEI3\_DN  
GSE16450\_CTRL\_VS\_IFNA\_6H\_STIM\_IMMATURE\_NEURON\_CELL\_LINE\_DN, GSE16450\_CTRL\_VS\_IFNA\_6H\_STIM\_IMMATURE\_NEURON\_CELL\_LINE\_DN  
GSE3691\_CONVENTIONAL\_VS\_PLASMACYTOID\_DC\_SPLEEN\_UP, GSE3691\_CONVENTIONAL\_VS\_PLASMACYTOID\_DC\_SPLEEN\_UP  
GSE21360\_TERTIARY\_VS\_QUATERNARY\_MEMORY\_CD8\_TCELL\_UP, GSE21360\_TERTIARY\_VS\_QUATERNARY\_MEMORY\_CD8\_TCELL\_UP  
GSE46143\_CTRL\_VS\_LMP2A\_TRANSDUCED\_CD10\_POS\_GC\_BCELL\_DN, GSE46143\_CTRL\_VS\_LMP2A\_TRANSDUCED\_CD10\_POS\_GC\_BCELL\_DN  
GSE27786\_BCELL\_VS\_NKTCELL\_UP, GSE27786\_BCELL\_VS\_NKTCELL\_UP  
GSE2197\_CPG\_DNA\_VS\_UNTREATED\_IN\_DC\_DN, GSE2197\_CPG\_DNA\_VS\_UNTREATED\_IN\_DC\_DN  
GSE27859\_MACROPHAGE\_VS\_CD11C\_INT\_F480\_HL\_MACROPHAGE\_DN, GSE27859\_MACROPHAGE\_VS\_CD11C\_INT\_F480\_HL\_MACROPHAGE\_DN  
GSE37416\_CTRL\_VS\_12H\_F\_TULARENSIS\_LVS\_NEUTROPHIL\_UP, GSE37416\_CTRL\_VS\_12H\_F\_TULARENSIS\_LVS\_NEUTROPHIL\_UP  
GSE16697\_CD4\_TCELL\_VS\_TFH\_CD4\_TCELL\_UP, GSE16697\_CD4\_TCELL\_VS\_TFH\_CD4\_TCELL\_UP  
GSE27786\_LIN\_NEG\_VS\_BCELL\_DN, GSE27786\_LIN\_NEG\_VS\_BCELL\_DN  
GSE24292\_WT\_VS\_PPARG\_KO\_MACROPHAGE\_DN, GSE24292\_WT\_VS\_PPARG\_KO\_MACROPHAGE\_DN  
GSE15330\_WT\_VS\_IKAROS\_KO\_HSC\_DN, GSE15330\_WT\_VS\_IKAROS\_KO\_HSC\_DN  
GSE15330\_WT\_VS\_IKAROS\_KO\_HSC\_UP, GSE15330\_WT\_VS\_IKAROS\_KO\_HSC\_UP  
GSE26488\_CTRL\_VS\_PEPTIDE\_INJECTION\_OT2\_THYMOCTYE\_DN, GSE26488\_CTRL\_VS\_PEPTIDE\_INJECTION\_OT2\_THYMOCTYE\_DN  
GSE43955\_1H\_VS\_20H\_ACT\_CD4\_TCELL\_WITH\_TGFB\_IL6\_UP, GSE43955\_1H\_VS\_20H\_ACT\_CD4\_TCELL\_WITH\_TGFB\_IL6\_UP  
GSE27786\_CD8\_TCELL\_VS\_NKCELL\_DN, GSE27786\_CD8\_TCELL\_VS\_NKCELL\_DN  
GSE26343\_UNSTIM\_VS\_LPS\_STIM\_MACROPHAGE\_DN, GSE26343\_UNSTIM\_VS\_LPS\_STIM\_MACROPHAGE\_DN  
GSE40277\_EOS\_AND\_LEF1\_TRANSDUCED\_VS\_GATA1\_AND\_SATB1\_TRANSDUCED\_CD4\_TCELL\_UP, GSE40277\_EOS\_AND\_LEF1\_TRANSDUCED\_VS\_GATA1\_AND\_SATB1\_TRANSDUCED\_CD4\_TCELL\_UP  
GSE43863\_TH1\_VS\_TFH\_EFFECTOR\_CD4\_TCELL\_DN, GSE43863\_TH1\_VS\_TFH\_EFFECTOR\_CD4\_TCELL\_DN  
GSE8921\_UNSTIM\_0H\_VS\_TLR1\_2\_STIM\_MONOCYTE\_24H\_DN, GSE8921\_UNSTIM\_0H\_VS\_TLR1\_2\_STIM\_MONOCYTE\_24H\_DN  
GSE3691\_IFN\_PRODUCING\_KILLER\_DC\_VS\_PLASMACYTOID\_DC\_SPLEEN\_UP, GSE3691\_IFN\_PRODUCING\_KILLER\_DC\_VS\_PLASMACYTOID\_DC\_SPLEEN\_UP  
GSE17721\_POLYIC\_VS\_CPG\_6H\_BMDC\_UP, GSE17721\_POLYIC\_VS\_CPG\_6H\_BMDC\_UP  
GSE5142\_CTRL\_VS\_HTERT\_TRANSDUCED\_CD8\_TCELL\_EARLY\_PASSAGE\_CLONE\_UP, GSE5142\_CTRL\_VS\_HTERT\_TRANSDUCED\_CD8\_TCELL\_EARLY\_PASSAGE\_CLONE\_UP  
GSE5455\_EX\_VIVO\_VS\_POST\_24H\_INCUBATION\_MONOCYTES\_FROM\_TUMOR\_BEARING\_MOUSE\_DN, GSE5455\_EX\_VIVO\_VS\_POST\_24H\_INCUBATION\_MONOCYTES\_FROM\_TUMOR\_BEARING\_MOUSE\_DN  
GSE5463\_CTRL\_VS\_DEXAMETHASONE\_TREATED\_THYMOCTYE\_UP, GSE5463\_CTRL\_VS\_DEXAMETHASONE\_TREATED\_THYMOCTYE\_UP  
GSE36891\_UNSTIM\_VS\_PAM\_TLR2\_STIM\_PERITONEAL\_MACROPHAGE\_DN, GSE36891\_UNSTIM\_VS\_PAM\_TLR2\_STIM\_PERITONEAL\_MACROPHAGE\_DN  
GSE27859\_CD11C\_INT\_F480\_HL\_MACROPHAGE\_VS\_CD11C\_ING\_F480\_INT\_DC\_DN, GSE27859\_CD11C\_INT\_F480\_HL\_MACROPHAGE\_VS\_CD11C\_ING\_F480\_INT\_DC\_DN  
GSE45382\_UNTREATED\_VS\_TGFB\_TREATED\_MACROPHAGES\_UP, GSE45382\_UNTREATED\_VS\_TGFB\_TREATED\_MACROPHAGES\_UP  
GSE20727\_CTRL\_VS\_H2O2\_TREATED\_DC\_DN, GSE20727\_CTRL\_VS\_H2O2\_TREATED\_DC\_DN  
GSE2770\_IL12\_VS\_IL4\_TREATED\_ACT\_CD4\_TCELL\_6H\_DN, GSE2770\_IL12\_VS\_IL4\_TREATED\_ACT\_CD4\_TCELL\_6H\_DN  
GSE19401\_PAM2CSK4\_VS\_RETINOIC\_ACID\_STIM\_FOLLICULAR\_DC\_UP, GSE19401\_PAM2CSK4\_VS\_RETINOIC\_ACID\_STIM\_FOLLICULAR\_DC\_UP  
GSE27092\_WT\_VS\_HDAC7\_PHOSPHO\_DEFICIENT\_CD8\_TCELL\_DN, GSE27092\_WT\_VS\_HDAC7\_PHOSPHO\_DEFICIENT\_CD8\_TCELL\_DN  
GSE15330\_LYMPHOID\_MULTIPOTENT\_VS\_MEGAKARYOCYTE\_ERYTHROID\_PROGENITOR\_UP, GSE15330\_LYMPHOID\_MULTIPOTENT\_VS\_MEGAKARYOCYTE\_ERYTHROID\_PROGENITOR\_UP  
GSE26290\_WT\_VS\_PDK1\_KO\_ANTI\_CD3\_AND\_IL2\_STIM\_CD8\_TCELL\_DN, GSE26290\_WT\_VS\_PDK1\_KO\_ANTI\_CD3\_AND\_IL2\_STIM\_CD8\_TCELL\_DN  
GSE5589\_LPS\_VS\_LPS\_AND\_IL10\_STIM\_IL6\_KO\_MACROPHAGE\_45MIN\_UP, GSE5589\_LPS\_VS\_LPS\_AND\_IL10\_STIM\_IL6\_KO\_MACROPHAGE\_45MIN\_UP  
GSE22611\_NOD2\_TRANSDUCED\_VS\_CTRL\_HEK293T\_STIMULATED\_WITH\_MDP\_2H\_UP, GSE22611\_NOD2\_TRANSDUCED\_VS\_CTRL\_HEK293T\_STIMULATED\_WITH\_MDP\_2H\_UP  
GSE17721\_PAM3CSK4\_VS\_CPG\_1H\_BMDC\_UP, GSE17721\_PAM3CSK4\_VS\_CPG\_1H\_BMDC\_UP  
GSE21546\_WT\_VS\_ELK1\_KO\_DP\_THYMOCTYES\_UP, GSE21546\_WT\_VS\_ELK1\_KO\_DP\_THYMOCTYES\_UP  
GSE7348\_UNSTIM\_VS\_LPS\_STIM\_MACROPHAGE\_UP, GSE7348\_UNSTIM\_VS\_LPS\_STIM\_MACROPHAGE\_UP  
GSE40666\_NAIVE\_VS\_EFFECTOR\_CD8\_TCELL\_WITH\_IFNA\_STIM\_90MIN\_UP, GSE40666\_NAIVE\_VS\_EFFECTOR\_CD8\_TCELL\_WITH\_IFNA\_STIM\_90MIN\_UP  
GSE30962\_ACUTE\_VS\_CHRONIC\_LCMV\_PRIMARY\_INF\_CD8\_TCELL\_UP, GSE30962\_ACUTE\_VS\_CHRONIC\_LCMV\_PRIMARY\_INF\_CD8\_TCELL\_UP  
GSE339\_CD4POS\_VS\_CD8POS\_DC\_DN, GSE339\_CD4POS\_VS\_CD8POS\_DC\_DN  
GSE17721\_LPS\_VS\_CPG\_6H\_BMDC\_DN, GSE17721\_LPS\_VS\_CPG\_6H\_BMDC\_DN  
GSE17721\_POLYIC\_VS\_PAM3CSK4\_24H\_BMDC\_UP, GSE17721\_POLYIC\_VS\_PAM3CSK4\_24H\_BMDC\_UP  
GSE32128\_INOS\_DEPENDENT\_VS\_INOS\_INDEPENDENT\_ACTIVATED\_TCELL\_DN, GSE32128\_INOS\_DEPENDENT\_VS\_INOS\_INDEPENDENT\_ACTIVATED\_TCELL\_DN  
GSE6674\_ANTI\_IGM\_VS\_ANTI\_IGM\_AND\_CPG\_STIM\_BCELL\_UP, GSE6674\_ANTI\_IGM\_VS\_ANTI\_IGM\_AND\_CPG\_STIM\_BCELL\_UP  
GSE17721\_POLYIC\_VS\_CPG\_8H\_BMDC\_UP, GSE17721\_POLYIC\_VS\_CPG\_8H\_BMDC\_UP  
GSE1448\_ANTI\_VALPHA2\_VS\_VBETA5\_DP\_THYMOCTYE\_UP, GSE1448\_ANTI\_VALPHA2\_VS\_VBETA5\_DP\_THYMOCTYE\_UP  
GSE24142\_ADULT\_VS\_FETAL\_DN2\_THYMOCTYE\_UP, GSE24142\_ADULT\_VS\_FETAL\_DN2\_THYMOCTYE\_UP  
GSE12845\_PRE\_GC\_VS\_DARKZONE\_GC\_TONSIL\_BCELL\_DN, GSE12845\_PRE\_GC\_VS\_DARKZONE\_GC\_TONSIL\_BCELL\_DN  
GSE1448\_CTRL\_VS\_ANTI\_VALPHA2\_DP\_THYMOCTYE\_DN, GSE1448\_CTRL\_VS\_ANTI\_VALPHA2\_DP\_THYMOCTYE\_DN  
GSE9946\_MATURE\_STIMULATORY\_VS\_LISTERIA\_INF\_MATURE\_DC\_UP, GSE9946\_MATURE\_STIMULATORY\_VS\_LISTERIA\_INF\_MATURE\_DC\_UP  
GSE20366\_EX\_VIVO\_VS\_DEC205\_CONVERSION\_DN, GSE20366\_EX\_VIVO\_VS\_DEC205\_CONVERSION\_DN  
GSE369\_PRE\_VS\_POST\_IL6\_INJECTION\_IFNG\_KO\_LIVER\_UP, GSE369\_PRE\_VS\_POST\_IL6\_INJECTION\_IFNG\_KO\_LIVER\_UP  
GSE15930\_NAIVE\_VS\_48H\_IN\_VITRO\_STIM\_IL12\_CD8\_TCELL\_UP, GSE15930\_NAIVE\_VS\_48H\_IN\_VITRO\_STIM\_IL12\_CD8\_TCELL\_UP  
GSE26669\_CTRL\_VS\_COSTIM\_BLOCK\_MLR\_CD4\_TCELL\_DN, GSE26669\_CTRL\_VS\_COSTIM\_BLOCK\_MLR\_CD4\_TCELL\_DN  
GSE9037\_CTRL\_VS\_LPS\_4H\_STIM\_IRAK4\_KO\_BMDM\_UP, GSE9037\_CTRL\_VS\_LPS\_4H\_STIM\_IRAK4\_KO\_BMDM\_UP  
GSE37301\_LYMPHOID\_PRIMED\_MPP\_VS\_PRO\_BCELL\_UP, GSE37301\_LYMPHOID\_PRIMED\_MPP\_VS\_PRO\_BCELL\_UP  
GSE14308\_TH2\_VS\_THI7\_DN, GSE14308\_TH2\_VS\_THI7\_DN  
GSE29949\_CD8\_POS\_DC\_SPLEEN\_VS\_MONOCYTE\_BONE\_MARROW\_DN, GSE29949\_CD8\_POS\_DC\_SPLEEN\_VS\_MONOCYTE\_BONE\_MARROW\_DN  
GSE369\_SOCS3\_KO\_VS\_WT\_LIVER\_POST\_IL6\_INJECTION\_DN, GSE369\_SOCS3\_KO\_VS\_WT\_LIVER\_POST\_IL6\_INJECTION\_DN  
GSE17721\_LPS\_VS\_POLYIC\_24H\_BMDC\_DN, GSE17721\_LPS\_VS\_POLYIC\_24H\_BMDC\_DN  
GSE36078\_UNTREATED\_VS\_AD5\_INF\_MOUSE\_LUNG\_DC\_DN, GSE36078\_UNTREATED\_VS\_AD5\_INF\_MOUSE\_LUNG\_DC\_DN  
GSE17186\_CD21LOW\_VS\_CD21HIGH\_TRANSITIONAL\_BCELL\_DN, GSE17186\_CD21LOW\_VS\_CD21HIGH\_TRANSITIONAL\_BCELL\_DN  
GSE43955\_TH0\_VS\_TGFB\_IL6\_IL23\_THI7\_ACT\_CD4\_TCELL\_52H\_UP, GSE43955\_TH0\_VS\_TGFB\_IL6\_IL23\_THI7\_ACT\_CD4\_TCELL\_52H\_UP  
GSE33424\_CD161\_INT\_VS\_NEG\_CD8\_TCELL\_DN, GSE33424\_CD161\_INT\_VS\_NEG\_CD8\_TCELL\_DN  
GSE33162\_UNTREATED\_VS\_4H\_LPS\_STIM\_HDAC3\_HET\_MACROPHAGE\_DN, GSE33162\_UNTREATED\_VS\_4H\_LPS\_STIM\_HDAC3\_HET\_MACROPHAGE\_DN  
GSE42021\_TCONV\_PLN\_VS\_CD24INT\_TCONV\_THYMUS\_UP, GSE42021\_TCONV\_PLN\_VS\_CD24INT\_TCONV\_THYMUS\_UP  
GSE20715\_0H\_VS\_24H\_OZONE\_TLR4\_KO\_LUNG\_UP, GSE20715\_0H\_VS\_24H\_OZONE\_TLR4\_KO\_LUNG\_UP  
GSE46606\_DAY1\_VS\_DAY3\_CD40L\_IL2\_IL5\_STIMULATED\_IRF4MID\_BCELL\_DN, GSE46606\_DAY1\_VS\_DAY3\_CD40L\_IL2\_IL5\_STIMULATED\_IRF4MID\_BCELL\_DN  
GSE11961\_MEMORY\_BCELL\_DAY7\_VS\_PLASMA\_CELL\_DAY7\_UP, GSE11961\_MEMORY\_BCELL\_DAY7\_VS\_PLASMA\_CELL\_DAY7\_UP  
GSE46606\_DAY1\_VS\_DAY3\_CD40L\_IL2\_IL5\_STIMULATED\_IRF4HIGH\_SORTED\_BCELL\_UP, GSE46606\_DAY1\_VS\_DAY3\_CD40L\_IL2\_IL5\_STIMULATED\_IRF4HIGH\_SORTED\_BCELL\_UP  
GSE11961\_MEMORY\_BCELL\_DAY7\_VS\_PLASMA\_CELL\_DAY7\_UP, GSE11961\_MEMORY\_BCELL\_DAY7\_VS\_PLASMA\_CELL\_DAY7\_UP  
GSE46606\_DAY1\_VS\_DAY3\_CD40L\_IL2\_IL5\_STIMULATED\_IRF4HIGH\_SORTED\_BCELL\_UP, GSE46606\_DAY1\_VS\_DAY3\_CD40L\_IL2\_IL5\_STIMULATED\_IRF4HIGH\_SORTED\_BCELL\_UP  
GSE11961\_MEMORY\_BCELL\_DAY7\_VS\_PLASMA\_CELL\_DAY7\_UP, GSE11961\_MEMORY\_BCELL\_DAY7\_VS\_PLASMA\_CELL\_DAY7\_UP  
GSE46606\_DAY1\_VS\_DAY3\_CD40L\_IL2\_IL5\_STIMULATED\_IRF4HIGH\_SORTED\_BCELL\_UP, GSE46606\_DAY1\_VS\_DAY3\_CD40L\_IL2\_IL5\_STIMULATED\_IRF4HIGH\_SORTED\_BCELL\_UP  
GSE11961\_MEMORY\_BCELL\_DAY7\_VS\_PLASMA\_CELL\_DAY7\_UP, GSE11961\_MEMORY\_BCELL\_DAY7\_VS\_PLASMA\_CELL\_DAY7\_UP  
GSE46606\_DAY1\_VS\_DAY3\_CD40L\_IL2\_IL5\_STIMULATED\_IRF4HIGH\_SORTED\_BCELL\_UP, GSE46606\_DAY1\_VS\_DAY3\_CD40L\_IL2\_IL5\_STIMULATED\_IRF4HIGH\_SORTED\_BCELL\_UP  
GSE11961\_MEMORY\_BCELL\_DAY7\_VS\_PLASMA\_CELL\_DAY7\_UP, GSE11961\_MEMORY\_BCELL\_DAY7\_VS\_PLASMA\_CELL\_DAY7\_UP  
GSE46606\_DAY1\_VS\_DAY3\_CD40L\_IL2\_IL5\_STIMULATED\_IRF4HIGH\_SORTED\_BCELL\_UP, GSE46606\_DAY1\_VS\_DAY3\_CD40L\_IL2\_IL5\_STIMULATED\_IRF4HIGH\_SORTED\_BCELL\_UP  
GSE11961\_MEMORY\_BCELL\_DAY7\_VS\_PLASMA\_CELL\_DAY7\_UP, GSE11961\_MEMORY\_BCELL\_DAY7\_VS\_PLASMA\_CELL\_DAY7\_UP  
GSE46606\_DAY1\_VS\_DAY3\_CD40L\_IL2\_IL5\_STIMULATED\_IRF4HIGH\_SORTED\_BCELL\_UP, GSE46606\_DAY1\_VS\_DAY3\_CD40L\_IL2\_IL5\_STIMULATED\_IRF4HIGH\_SORTED\_BCELL\_UP  
GSE11961\_MEMORY\_BCELL\_DAY7\_VS\_PLASMA\_CELL\_DAY7\_UP, GSE11961\_MEMORY\_BCELL\_DAY7\_VS\_PLASMA\_CELL\_DAY7\_UP  
GSE46606\_DAY1\_VS\_DAY3\_CD40L\_IL2\_IL5\_STIMULATED\_IRF4HIGH\_SORTED\_BCELL\_UP, GSE46606\_DAY1\_VS\_DAY3\_CD40L\_IL2\_IL5\_STIMULATED\_IRF4HIGH\_SORTED\_BCELL\_UP  
GSE11961\_MEMORY\_BCELL\_DAY7\_VS\_PLASMA\_CELL\_DAY7\_UP, GSE11961\_MEMORY\_BCELL\_DAY7\_VS\_PLASMA\_CELL\_DAY7\_UP  
GSE46606\_DAY1\_VS\_DAY3\_CD40L\_IL2\_IL5\_STIMULATED\_IRF4HIGH\_SORTED\_BCELL\_UP, GSE46606\_DAY1\_VS\_DAY3\_CD40L\_IL2\_IL5\_STIMULATED\_IRF4HIGH\_SORTED\_BCELL\_UP  
GSE11961\_MEMORY\_BCELL\_DAY7\_VS\_PLASMA\_CELL\_DAY7\_UP, GSE11961\_MEMORY\_BCELL\_DAY7\_VS\_PLASMA\_CELL\_DAY7\_UP  
GSE46606\_DAY1\_VS\_DAY3\_CD40L\_IL2\_IL5\_STIMULATED\_IRF4HIGH\_SORTED\_BCELL\_UP, GSE46606\_DAY1\_VS\_DAY3\_CD40L\_IL2\_IL5\_STIMULATED\_IRF4HIGH\_SORTED\_BCELL\_UP  
GSE11961\_MEMORY\_BCELL\_DAY7\_VS\_PLASMA\_CELL\_DAY7\_UP, GSE11961\_MEMORY\_BCELL\_DAY7\_VS\_PLASMA\_CELL\_DAY7\_UP  
GSE46606\_DAY1\_VS\_DAY3\_CD40L\_IL2\_IL5\_STIMULATED\_IRF4HIGH\_SORTED\_BCELL\_UP, GSE46606\_DAY1\_VS\_DAY3\_CD40L\_IL2\_IL5\_STIMULATED\_IRF4HIGH\_SORTED\_BCELL\_UP  
GSE11961\_MEMORY\_BCELL\_DAY7\_VS\_PLASMA\_CELL\_DAY7\_UP, GSE11961\_MEMORY\_BCELL\_DAY7\_VS\_PLASMA\_CELL\_DAY7\_UP  
GSE46606\_DAY1\_VS\_DAY3\_CD40L\_IL2\_IL5\_STIMULATED\_IRF4HIGH\_SORTED\_BCELL\_UP, GSE46606\_DAY1\_VS\_DAY3\_CD40L\_IL2\_IL5\_STIMULATED\_IRF4HIGH\_SORTED\_BCELL\_UP  
GSE11961\_MEMORY\_BCELL\_DAY7\_VS\_PLASMA\_CELL\_DAY7\_UP, GSE11961\_MEMORY\_BCELL\_DAY7\_VS\_PLASMA\_CELL\_DAY7\_UP  
GSE46606\_DAY1\_VS\_DAY3\_CD40L\_IL2\_IL5\_STIMULATED\_IRF4HIGH\_SORTED\_BCELL\_UP, GSE46606\_DAY1\_VS\_DAY3\_CD40L\_IL2\_IL5\_STIMULATED\_IRF4HIGH\_SORTED\_BCELL\_UP  
GSE11961\_MEMORY\_BCELL\_DAY7\_VS\_PLASMA\_CELL\_DAY7\_UP, GSE11961\_MEMORY\_BCELL\_DAY7\_VS\_PLASMA\_CELL\_DAY7\_UP  
GSE46606\_DAY1\_VS\_DAY3\_CD40L\_IL2\_IL5\_STIMULATED\_IRF4HIGH\_SORTED\_BCELL\_UP, GSE46606\_DAY1\_VS\_DAY3\_CD40L\_IL2\_IL5\_STIMULATED\_IRF4HIGH\_SORTED\_BCELL\_UP  
GSE11961\_MEMORY\_BCELL\_DAY7\_VS\_PLASMA\_CELL\_DAY7\_UP, GSE11961\_MEMORY\_BCELL\_DAY7\_VS\_PLASMA\_CELL\_DAY7\_UP  
GSE46606\_DAY1\_VS\_DAY3\_CD40L\_IL2\_IL5\_STIMULATED\_IRF4HIGH\_SORTED\_BCELL\_UP, GSE46606\_DAY1\_VS\_DAY3\_CD40L\_IL2\_IL5\_STIMULATED\_IRF4HIGH\_SORTED\_BCELL\_UP  
GSE11961\_MEMORY\_BCELL\_DAY7\_VS\_PLASMA\_CELL\_DAY7\_UP, GSE11961\_MEMORY\_BCELL\_DAY7\_VS\_PLASMA\_CELL\_DAY7\_UP  
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GSE46606\_DAY1\_VS\_DAY3\_CD40L\_IL2\_IL5\_STIMULATED\_IRF4HIGH\_SORTED\_BCELL\_UP, GSE46606\_DAY1\_VS\_DAY3\_CD40L\_IL2\_IL5\_STIMULATED\_IRF4HIGH\_SORTED\_BCELL\_UP  
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GSE46606\_DAY1\_VS\_DAY3\_CD40L\_IL2\_IL5\_STIMULATED\_IRF4HIGH\_SORTED\_BCELL\_UP, GSE46606\_DAY1\_VS\_DAY3\_CD40L\_IL2\_IL5\_STIMULATED\_IRF4HIGH\_SORTED\_BCELL\_UP  
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GSE46606\_DAY1\_VS\_DAY3\_CD40L\_IL2\_IL5\_STIMULATED\_IRF4HIGH\_SORTED\_BCELL\_UP, GSE46606\_DAY1\_VS\_DAY3\_CD40L\_IL2\_IL5\_STIMULATED\_IRF4HIGH\_SORTED\_BCELL\_UP  
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GSE46606\_DAY1\_VS\_DAY3\_CD40L\_IL2\_IL5\_STIMULATED\_IRF4HIGH\_SORTED\_BCELL\_UP, GSE46606\_DAY1\_VS\_DAY3\_CD40L\_IL2\_IL5\_STIMULATED\_IRF4HIGH\_SORTED\_BCELL\_UP  
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GSE46606\_DAY1\_VS\_DAY3\_CD40L\_IL2\_IL5\_STIMULATED\_IRF4HIGH\_SORTED\_BCELL\_UP, GSE46606\_DAY1\_VS\_DAY3\_CD40L\_IL2\_IL5\_STIMULATED\_IRF4HIGH\_SORTED\_BCELL\_UP  
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GSE46606\_DAY1\_VS\_DAY3\_CD40L\_IL2\_IL5\_STIMULATED\_IRF4HIGH\_SORTED\_BCELL\_UP, GSE46606\_DAY1\_VS\_DAY3\_CD40L\_IL2\_IL5\_STIMULATED\_IRF4HIGH\_SORTED\_BCELL\_UP  
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GSE46606\_DAY1\_VS\_DAY3\_CD40L\_IL2\_IL5\_STIMULATED\_IRF4HIGH\_SORTED\_BCELL\_UP, GSE46606\_DAY1\_VS\_DAY3\_CD40L\_IL2\_IL5\_STIMULATED\_IRF4HIGH\_SORTED\_BCELL\_UP  
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GSE46606\_DAY1\_VS\_DAY3\_CD40L\_IL2\_IL5\_STIMULATED\_IRF4HIGH\_SORTED\_BCELL\_UP, GSE46606\_DAY1\_VS\_DAY3\_CD40L\_IL2\_IL5\_STIMULATED\_IRF4HIGH\_SORTED\_BCELL\_UP  
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