

GSE41867.DAY8\_VS.DAY15.LCMV.CLONE13.EFFECTOR.CD8.TCELL.DN,GSE41867.DAY8\_VS.DAY15.LCMV.CLONE13.EFFECTOR.CD8.TCELL.DN  
GSE31082.DP\_VS.CD4.SP\_THYMOCYTE\_UP,GSE31082.DP\_VS.CD4.SP\_THYMOCYTE\_UP  
GSE31082.DP\_VS.CD8.SP\_THYMOCYTE\_UP,GSE31082.DP\_VS.CD8.SP\_THYMOCYTE\_UP  
GSE32423.MEMORY\_VS.NAIVE.CD8.TCELL\_IL7\_IL4\_DN,GSE32423.MEMORY\_VS.NAIVE.CD8.TCELL\_IL7\_IL4\_DN  
GSE22601.CD4.SINGLE\_POSITIVE\_VS.CD8.SINGLE\_POSITIVE\_THYMOCYTE\_UP,GSE22601.CD4.SINGLE\_POSITIVE\_THYMOCYTE\_UP  
GSE411.UNSTIM\_VS.400MIN\_IL6.STIM.SOCS3\_KO.MACROPHAGE\_DN,GSE411.UNSTIM\_VS.400MIN\_IL6.STIM.SOCS3\_KO.MACROPHAGE\_DN  
GSE25123.ROSLIGLITAZONE\_VS\_IL4\_AND.ROSLIGLITAZONE.STIM.PPARG\_KO.MACROPHAGE\_DAY10\_UP,GSE25123.ROSLIGLITAZONE\_VS\_IL4\_AND.ROSLIGLITAZONE.STIM.PPARG\_KO.MACROPHAGE\_DAY10\_UP  
GSE21670.STAT3\_KO\_VS.WT\_CD4.TCELL\_TGFB\_TREATED\_UP,GSE21670.STAT3\_KO\_VS.WT\_CD4.TCELL\_TGFB\_TREATED\_UP  
GSE41867.NAIVE\_VS.DAY8.LCMV.EFFECTOR.CD8.TCELL\_UP,GSE41867.NAIVE\_VS.DAY8.LCMV.EFFECTOR.CD8.TCELL\_UP  
GSE22432.MULTIPOTENT\_VS.COMMON\_DC.PROGENITOR\_UP,GSE22432.MULTIPOTENT\_VS.COMMON\_DC.PROGENITOR\_UP  
GSE2770.UNTREATED\_VS\_IL4\_TREATED\_ACT\_CD4.TCELL\_2H\_DN,GSE2770.UNTREATED\_VS\_IL4\_TREATED\_ACT\_CD4.TCELL\_2H\_DN  
GSE7460.CTRL\_VS.TGFB\_TREATED\_ACT\_FOXP3\_HET\_TCONV\_UP,GSE7460.CTRL\_VS.TGFB\_TREATED\_ACT\_FOXP3\_HET\_TCONV\_UP  
GSE557.WT\_VS\_I\_AB.KO\_DC\_DN,GSE557.WT\_VS\_I\_AB.KO\_DC\_DN  
GSE27786.LSK\_VS.BCELL\_UP,GSE27786.LSK\_VS.BCELL\_UP  
GSE7218.UNSTIM\_VS.ANTIGEN.STIM\_THROUGH\_IGG.BCELL\_UP,GSE7218.UNSTIM\_VS.ANTIGEN.STIM\_THROUGH\_IGG.BCELL\_UP  
GSE21670.TGFB\_VS.TGFB\_AND\_IL6\_TREATED\_STAT3\_KO\_CD4.TCELL\_DN,GSE21670.TGFB\_VS.TGFB\_AND\_IL6\_TREATED\_STAT3\_KO\_CD4.TCELL\_DN  
GSE40274.CTRL\_VS.FOXP3\_TRANSDUCED\_ACTIVATED\_CD4.TCELL\_UP,GSE40274.CTRL\_VS.FOXP3\_TRANSDUCED\_ACTIVATED\_CD4.TCELL\_UP  
GSE39864.WT\_VS.GATA3\_KO.TREG\_DN,GSE39864.WT\_VS.GATA3\_KO.TREG\_DN  
GSE30962.ACUTE\_VS.CHRONIC.LCMV.SECONDARY\_INF\_CD8.TCELL\_DN,GSE30962.ACUTE\_VS.CHRONIC.LCMV.SECONDARY\_INF\_CD8.TCELL\_DN  
GSE17721.POLYIC\_VS.CPG\_12H.BMDC\_DN,GSE17721.POLYIC\_VS.CPG\_12H.BMDC\_DN  
GSE15324.NAIVE\_VS.ACTIVATED.ELF4\_KO\_CD8.TCELL\_DN,GSE15324.NAIVE\_VS.ACTIVATED.ELF4\_KO\_CD8.TCELL\_DN  
GSE3039.ALPHABETA.CD8.TCELL\_VS.B1.BCELL\_DN,GSE3039.ALPHABETA.CD8.TCELL\_VS.B1.BCELL\_DN  
GSE4748.CTRL\_VS.CYANOBACTERIUM.LPSLIKE.STIM\_DC\_3H\_DN,GSE4748.CTRL\_VS.CYANOBACTERIUM.LPSLIKE.STIM\_DC\_3H\_DN  
GSE5589.LPS\_VS.LPS\_AND\_IL10.STIM\_IL6\_KO.MACROPHAGE\_180MIN\_DN,GSE5589.LPS\_VS.LPS\_AND\_IL10.STIM\_IL6\_KO.MACROPHAGE\_180MIN\_DN  
GSE2770\_IL12\_VS\_IL4\_TREATED\_ACT\_CD4.TCELL\_48H\_UP,GSE2770\_IL12\_VS\_IL4\_TREATED\_ACT\_CD4.TCELL\_48H\_UP  
GSE13547.WT\_VS.ZFX\_KO.BCELL\_DN,GSE13547.WT\_VS.ZFX\_KO.BCELL\_DN  
GSE7509.UNSTIM\_VS.IFNA.STIM\_IMMATURE\_DC\_UP,GSE7509.UNSTIM\_VS.IFNA.STIM\_IMMATURE\_DC\_UP  
GSE36009.WT\_VS.NLRP10\_KO\_DC.LPS.STIM\_DN,GSE36009.WT\_VS.NLRP10\_KO\_DC.LPS.STIM\_DN  
GSE17721.POLYIC\_VS.CPG\_6H.BMDC\_DN,GSE17721.POLYIC\_VS.CPG\_6H.BMDC\_DN  
GSE27786.LSK\_VS.CD4.TCELL\_UP,GSE27786.LSK\_VS.CD4.TCELL\_UP  
GSE14308.TH17\_VS.NAIVE\_CD4.TCELL\_UP,GSE14308.TH17\_VS.NAIVE\_CD4.TCELL\_UP  
GSE37533.PPARG1\_FOXP3\_VS.FOXP3\_TRANSDUCED\_CD4.TCELL\_UP,GSE37533.PPARG1\_FOXP3\_VS.FOXP3\_TRANSDUCED\_CD4.TCELL\_UP  
GSE16385.UNTREATED\_VS\_12H.IFNG\_TNF\_TREATED\_MACROPHAGE\_DN,GSE16385.UNTREATED\_VS\_12H.IFNG\_TNF\_TREATED\_MACROPHAGE\_DN  
GSE17721.LPS\_VS.POLYIC\_8H.BMDC\_UP,GSE17721.LPS\_VS.POLYIC\_8H.BMDC\_UP  
GSE19941.UNSTIM\_VS.LPS.STIM\_IL10\_KO.MACROPHAGE\_DN,GSE19941.UNSTIM\_VS.LPS.STIM\_IL10\_KO.MACROPHAGE\_DN  
GSE37301.HEMATOPOIETIC\_STEM\_CELL\_VS.GRAN\_MONO\_PROGENITOR\_DN,GSE37301.HEMATOPOIETIC\_STEM\_CELL\_VS.GRAN\_MONO\_PROGENITOR\_DN  
GSE37532.WT\_VS.PPARG\_KO\_VISCERAL.ADIPOSE\_TISSUE\_TREG\_DN,GSE37532.WT\_VS.PPARG\_KO\_VISCERAL.ADIPOSE\_TISSUE\_TREG\_DN  
GSE17301.CTRL\_VS\_48H.ACD3\_ACD28\_IFNA2.STIM\_CD8.TCELL\_DN,GSE17301.CTRL\_VS\_48H.ACD3\_ACD28\_IFNA2.STIM\_CD8.TCELL\_DN  
GSE22886.NAIVE.BCELL\_VS.BM.PLASMA\_CELL\_DN,GSE22886.NAIVE.BCELL\_VS.BM.PLASMA\_CELL\_DN  
GSE22229.RENAL\_TRANSPLANT\_VS.HEALTHY.PBMC\_UP,GSE22229.RENAL\_TRANSPLANT\_VS.HEALTHY.PBMC\_UP  
GSE27786.LSK\_VS.NKTCCELL\_UP,GSE27786.LSK\_VS.NKTCCELL\_UP  
GSE5589.LPS\_VS.LPS\_AND\_IL10.STIM.MACROPHAGE\_180MIN\_DN,GSE5589.LPS\_VS.LPS\_AND\_IL10.STIM.MACROPHAGE\_180MIN\_DN  
GSE9239.CTRL\_VS\_TNF\_INHIBITOR\_TREATED\_DC\_DN,GSE9239.CTRL\_VS\_TNF\_INHIBITOR\_TREATED\_DC\_DN  
GSE22589.HEALTHY\_VS.SIV\_INFECTED\_DC\_UP,GSE22589.HEALTHY\_VS.SIV\_INFECTED\_DC\_UP  
GSE369.SOCS3\_KO\_VS.IFNG\_KO.LIVER\_DN,GSE369.SOCS3\_KO\_VS.IFNG\_KO.LIVER\_DN  
GSE13306.TREG\_VS.TCONV\_DN,GSE13306.TREG\_VS.TCONV\_DN  
GSE43955.TGFB\_IL6\_VS.TGFB\_IL6\_IL23\_TH17\_ACT\_CD4.TCELL\_60H\_UP,GSE43955.TGFB\_IL6\_VS.TGFB\_IL6\_IL23\_TH17\_ACT\_CD4.TCELL\_60H\_UP  
GSE14908.ATOPIC\_VS.NONATOPIC.PATIENT\_HDM.STIM\_CD4.TCELL\_DN,GSE14908.ATOPIC\_VS.NONATOPIC.PATIENT\_HDM.STIM\_CD4.TCELL\_DN  
GSE5503.PLN\_DC\_VS.SPLEEN\_DC\_ACTIVATED.ALLOGENIC.TCELL\_UP,GSE5503.PLN\_DC\_VS.SPLEEN\_DC\_ACTIVATED.ALLOGENIC.TCELL\_UP  
GSE22935.WT\_VS.MYD88\_KO.MACROPHAGE\_12H.MBOVIS\_BCG.STIM\_DN,GSE22935.WT\_VS.MYD88\_KO.MACROPHAGE\_12H.MBOVIS\_BCG.STIM\_DN  
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GSE17721.LPS\_VS.CPG\_6H.BMDC\_DN,GSE17721.LPS\_VS.CPG\_6H.BMDC\_DN  
GSE40666.NAIVE\_VS.EFFECTOR\_CD8.TCELL\_UP,GSE40666.NAIVE\_VS.EFFECTOR\_CD8.TCELL\_UP  
GSE34515.CD16\_NEG\_VS.POS.MONOCYTE\_DN,GSE34515.CD16\_NEG\_VS.POS.MONOCYTE\_DN  
GSE23308.CTRL\_VS.CORTICOSTERONE\_TREATED\_MACROPHAGE\_DN,GSE23308.CTRL\_VS.CORTICOSTERONE\_TREATED\_MACROPHAGE\_DN  
GSE13484.UNSTIM\_VS\_12H.YF17D\_VACCINE.STIM.PBMC\_DN,GSE13484.UNSTIM\_VS\_12H.YF17D\_VACCINE.STIM.PBMC\_DN  
GSE14308.TH1\_VS.NATURAL.TREG\_UP,GSE14308.TH1\_VS.NATURAL.TREG\_UP  
GSE13484\_12H\_VS\_3H.YF17D\_VACCINE.STIM.PBMC\_DN,GSE13484\_12H\_VS\_3H.YF17D\_VACCINE.STIM.PBMC\_DN  
GSE2770.UNTREATED\_VS\_IL4\_TREATED\_ACT\_CD4.TCELL\_2H\_UP,GSE2770.UNTREATED\_VS\_IL4\_TREATED\_ACT\_CD4.TCELL\_2H\_UP  
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GSE25088.CTRL\_VS.ROSLIGLITAZONE.STIM\_STAT6\_KO.MACROPHAGE\_UP,GSE25088.CTRL\_VS.ROSLIGLITAZONE.STIM\_STAT6\_KO.MACROPHAGE\_UP  
GSE30083.SP1\_VS.SP3\_THYMOCYTE\_UP,GSE30083.SP1\_VS.SP3\_THYMOCYTE\_UP  
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GSE15324.NAIVE\_VS.ACTIVATED\_CD8.TCELL\_DN,GSE15324.NAIVE\_VS.ACTIVATED\_CD8.TCELL\_DN  
GSE27786.LSK\_VS.LIN\_NEG\_CELL\_DN,GSE27786.LSK\_VS.LIN\_NEG\_CELL\_DN  
GSE32901.NAIVE\_VS\_TH1\_CD4.TCELL\_DN,GSE32901.NAIVE\_VS\_TH1\_CD4.TCELL\_DN  
GSE32423.CTRL\_VS\_IL7\_IL4\_MEMORY\_CD8.TCELL\_UP,GSE32423.CTRL\_VS\_IL7\_IL4\_MEMORY\_CD8.TCELL\_UP  
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GSE7460.WT\_VS.FOXP3\_HET\_ACT\_WITH\_TGFB.TCONV\_DN,GSE7460.WT\_VS.FOXP3\_HET\_ACT\_WITH\_TGFB.TCONV\_DN  
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GSE18804.SPLEEN\_MACROPHAGE\_VS.BRAIN\_TUMORAL\_MACROPHAGE\_UP,GSE18804.SPLEEN\_MACROPHAGE\_VS.BRAIN\_TUMORAL\_MACROPHAGE\_UP  
GSE32164.RESTING.DIFFERENTIATED\_VS.CMYC.INHIBITED\_MACROPHAGE\_UP,GSE32164.RESTING.DIFFERENTIATED\_VS.CMYC.INHIBITED\_MACROPHAGE\_UP  
GSE17974\_IL4\_AND.ANTI\_IL12\_VS.UNTREATED\_6H\_ACT\_CD4.TCELL\_UP,GSE17974\_IL4\_AND.ANTI\_IL12\_VS.UNTREATED\_6H\_ACT\_CD4.TCELL\_UP  
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GSE11961.MEMORY.BCELL\_DAY7\_VS.PLASMA\_CELL\_DAY7\_DN,GSE11961.MEMORY.BCELL\_DAY7\_VS.PLASMA\_CELL\_DAY7\_DN  
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GSE42724.NAIVE\_VS.MEMORY.BCELL\_UP,GSE42724.NAIVE\_VS.MEMORY.BCELL\_UP  
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GSE9960.HEALTHY\_VS\_GRAM\_POS\_SEPSIS.PBMC\_DN,GSE9960.HEALTHY\_VS\_GRAM\_POS\_SEPSIS.PBMC\_DN  
GSE11057.EFF.MEM\_VS.CENT.MEM\_CD4.TCELL\_DN,GSE11057.EFF.MEM\_VS.CENT.MEM\_CD4.TCELL\_DN  
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GSE3982.BCELL\_VS.NKCELL\_DN,GSE3982.BCELL\_VS.NKCELL\_DN  
GSE27786.BCELL\_VS\_CD4.TCELL\_DN,GSE27786.BCELL\_VS\_CD4.TCELL\_DN  
GSE8621.UNSTIM\_VS.LPS\_PRIMED\_AND\_LPS.STIM.MACROPHAGE\_DN,GSE8621.UNSTIM\_VS.LPS\_PRIMED\_AND\_LPS.STIM.MACROPHAGE\_DN  
GSE46606.IRF4HIGH\_VS.WT\_CD40L\_IL2\_IL5.DAY3.STIMULATED.BCELL\_DN,GSE46606.IRF4HIGH\_VS.WT\_CD40L\_IL2\_IL5.DAY3.STIMULATED.BCELL\_DN  
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GSE21670\_IL6\_VS.TGFB\_AND\_IL6\_TREATED\_STAT3\_KO\_CD4.TCELL\_DN,GSE21670\_IL6\_VS.TGFB\_AND\_IL6\_TREATED\_STAT3\_KO\_CD4.TCELL\_DN  
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GSE8835\_CD4\_VS\_CD8.TCELL\_CLL\_PATIENT\_UP,GSE8835\_CD4\_VS\_CD8.TCELL\_CLL\_PATIENT\_UP  
GSE17721.CTRL\_VS.LPS\_8H.BMDC\_DN,GSE17721.CTRL\_VS.LPS\_8H.BMDC\_DN  
GSE22611.UNSTIM\_VS\_2H.MDP.STIM\_NOD2\_TRANSDUCED\_HEK293T\_CELL\_UP,GSE22611.UNSTIM\_VS\_2H.MDP.STIM\_NOD2\_TRANSDUCED\_HEK293T\_CELL\_UP  
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GSE41978.WT\_VS.BIM\_KO\_KLRG1\_LOW.EFFECTOR\_CD8.TCELL\_DN,GSE41978.WT\_VS.BIM\_KO\_KLRG1\_LOW.EFFECTOR\_CD8.TCELL\_DN  
GSE22935.UNSTIM\_VS\_48H.MBOVIS\_BCG.STIM\_MYD88\_KO.MACROPHAGE\_UP,GSE22935.UNSTIM\_VS\_48H.MBOVIS\_BCG.STIM\_MYD88\_KO.MACROPHAGE\_UP  
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