

0\_VS\_UNTREATED\_MOUSE\_TREG\_DN, GSE22527\_ANTI\_CD3\_INVIVO\_VS\_UNTREATED\_MOUSE\_TREG\_DN

GSE22033\_UNTREATED\_VS\_ROSIGLITAZONE\_TREATED\_MEF\_UP, GSE22033\_UNTREATED\_VS\_ROSIGLITAZONE\_TREATED\_MEF\_UP  
GSE20500\_CTRL\_VS\_RARA\_ANTAGONIST\_TREATED\_CD4\_TCELL\_DN, GSE20500\_CTRL\_VS\_RARA\_ANTAGONIST\_TREATED\_CD4\_TCELL\_DN  
GSE20152\_SPHK1\_KO\_VS\_HTNFA\_OVEREXPRESS\_ANKLE\_DN, GSE20152\_SPHK1\_KO\_VS\_HTNFA\_OVEREXPRESS\_ANKLE\_DN  
GSE20500\_CTRL\_VS\_RETINOIC\_ACID\_TREATED\_CD4\_TCELL\_UP, GSE20500\_CTRL\_VS\_RETINOIC\_ACID\_TREATED\_CD4\_TCELL\_UP  
GSE37301\_COMMON\_LYMPHOID\_PROGENITOR\_VS\_CD4\_TCELL\_DN, GSE37301\_COMMON\_LYMPHOID\_PROGENITOR\_VS\_CD4\_TCELL\_DN  
GSE20152\_SPHK1\_KO\_VS\_WT\_HTNFA\_OVERXPRESS\_ANKLE\_DN, GSE20152\_SPHK1\_KO\_VS\_WT\_HTNFA\_OVERXPRESS\_ANKLE\_DN  
GSE21033\_CTRL\_VS\_POLYIC\_STIM\_DC\_3H\_UP, GSE21033\_CTRL\_VS\_POLYIC\_STIM\_DC\_3H\_UP  
GSE339\_EX\_VIVO\_VS\_IN\_CULTURE\_CD4CD8DN\_DC\_UP, GSE339\_EX\_VIVO\_VS\_IN\_CULTURE\_CD4CD8DN\_DC\_UP  
GSE3982\_EOSINOPHIL\_VS\_TH2\_DN, GSE3982\_EOSINOPHIL\_VS\_TH2\_DN  
GSE19401\_RETINOIC\_ACID\_VS\_RETINOIC\_ACID\_AND\_PAM2CSK4\_STIM\_FOLLICULAR\_DC\_DN, GSE19401\_RETINOIC\_ACID\_VS\_RETINOIC\_ACID\_AND\_PAM2CSK4\_STIM\_FOLLICULAR\_DC\_DN  
GSE3982\_MAST\_CELL\_VS\_MAC\_UP, GSE3982\_MAST\_CELL\_VS\_MAC\_UP  
GSE45365\_CD8A\_DC\_VS\_CD11B\_DC\_DN, GSE45365\_CD8A\_DC\_VS\_CD11B\_DC\_DN  
GSE13484\_12H\_VS\_3H\_YF17D\_VACCINE\_STIM\_PBMIC\_UP, GSE13484\_12H\_VS\_3H\_YF17D\_VACCINE\_STIM\_PBMIC\_UP  
GSE3982\_DC\_VS\_MAC\_LPS\_STIM\_UP, GSE3982\_DC\_VS\_MAC\_LPS\_STIM\_UP  
GSE24634\_TREG\_VS\_TCONV\_POST\_DAY10\_IL4\_CONVERSION\_UP, GSE24634\_TREG\_VS\_TCONV\_POST\_DAY10\_IL4\_CONVERSION\_UP  
GSE3982\_CTRL\_VS\_LPS\_4H\_MAC\_UP, GSE3982\_CTRL\_VS\_LPS\_4H\_MAC\_UP  
GSE24814\_STAT5\_KO\_VS\_WT\_PRE\_BCELL\_DN, GSE24814\_STAT5\_KO\_VS\_WT\_PRE\_BCELL\_DN  
GSE37301\_COMMON\_LYMPHOID\_PROGENITOR\_VS\_PRO\_BCELL\_DN, GSE37301\_COMMON\_LYMPHOID\_PROGENITOR\_VS\_PRO\_BCELL\_DN  
GSE8384\_CTRL\_VS\_B\_ABORTUS\_4H\_MAC\_CELL\_LINE\_UP, GSE8384\_CTRL\_VS\_B\_ABORTUS\_4H\_MAC\_CELL\_LINE\_UP  
GSE27786\_CD4\_TCELL\_VS\_ERYTHROBLAST\_UP, GSE27786\_CD4\_TCELL\_VS\_ERYTHROBLAST\_UP  
GSE360\_L\_MAJOR\_VS\_B\_MALAYI\_LOW\_DOSE\_MAC\_DN, GSE360\_L\_MAJOR\_VS\_B\_MALAYI\_LOW\_DOSE\_MAC\_DN  
GSE39556\_UNTREATED\_VS\_3H\_POLYIC\_INJ\_MOUSE\_NK\_CELL\_UP, GSE39556\_UNTREATED\_VS\_3H\_POLYIC\_INJ\_MOUSE\_NK\_CELL\_UP  
GSE5542\_IFNA\_VS\_IFNA\_AND\_IFNG\_TREATED\_EPITHELIAL\_CELLS\_6H\_DN, GSE5542\_IFNA\_VS\_IFNA\_AND\_IFNG\_TREATED\_EPITHELIAL\_CELLS\_6H\_DN  
GSE3982\_BASOPHIL\_VS\_TH1\_UP, GSE3982\_BASOPHIL\_VS\_TH1\_UP  
GSE3982\_MAST\_CELL\_VS\_DC\_UP, GSE3982\_MAST\_CELL\_VS\_DC\_UP  
GSE1460\_CD4\_THYMOCYTE\_VS\_THYMIC\_STROMAL\_CELL\_UP, GSE1460\_CD4\_THYMOCYTE\_VS\_THYMIC\_STROMAL\_CELL\_UP  
GSE23505\_IL6\_IL1\_VS\_IL6\_IL1\_IL23\_TREATED\_CD4\_TCELL\_UP, GSE23505\_IL6\_IL1\_VS\_IL6\_IL1\_IL23\_TREATED\_CD4\_TCELL\_UP  
GSE42021\_CD24INT\_VS\_CD24LOW\_TREG\_THYMUS\_DN, GSE42021\_CD24INT\_VS\_CD24LOW\_TREG\_THYMUS\_DN  
GSE17721\_POLYIC\_VS\_PAM3CSK4\_8H\_BMDC\_UP, GSE17721\_POLYIC\_VS\_PAM3CSK4\_8H\_BMDC\_UP  
GSE7548\_DAY7\_VS\_DAY28\_PCC\_IMMUNIZATION\_CD4\_TCELL\_DN, GSE7548\_DAY7\_VS\_DAY28\_PCC\_IMMUNIZATION\_CD4\_TCELL\_DN  
GSE14699\_NAIVE\_VS\_ACT\_CD8\_TCELL\_UP, GSE14699\_NAIVE\_VS\_ACT\_CD8\_TCELL\_UP  
GSE3982\_DC\_VS\_TH1\_DN, GSE3982\_DC\_VS\_TH1\_DN  
GSE12845\_IGD\_NEG\_BLOOD\_VS\_NAIVE\_TONSIL\_BCELL\_DN, GSE12845\_IGD\_NEG\_BLOOD\_VS\_NAIVE\_TONSIL\_BCELL\_DN  
GSE3982\_BASOPHIL\_VS\_TH2\_UP, GSE3982\_BASOPHIL\_VS\_TH2\_UP  
GSE21546\_WT\_VS\_ELK1\_KO\_ANTI\_CD3\_STIM\_DP\_THYMOCYTES\_UP, GSE21546\_WT\_VS\_ELK1\_KO\_ANTI\_CD3\_STIM\_DP\_THYMOCYTES\_UP  
GSE3982\_MAC\_VS\_TH1\_UP, GSE3982\_MAC\_VS\_TH1\_UP  
GSE8685\_IL2\_ACT\_IL2\_STARVED\_VS\_IL21\_ACT\_IL2\_STARVED\_CD4\_TCELL\_UP, GSE8685\_IL2\_ACT\_IL2\_STARVED\_VS\_IL21\_ACT\_IL2\_STARVED\_CD4\_TCELL\_UP  
GSE22886\_TH1\_VS\_TH2\_12H\_ACT\_UP, GSE22886\_TH1\_VS\_TH2\_12H\_ACT\_UP  
GSE17721\_POLYIC\_VS\_GARDIQUIMOD\_8H\_BMDC\_UP, GSE17721\_POLYIC\_VS\_GARDIQUIMOD\_8H\_BMDC\_UP  
GSE45739\_UNSTIM\_VS\_ACD3\_ACD28\_STIM\_NRAS\_KO\_CD4\_TCELL\_DN, GSE45739\_UNSTIM\_VS\_ACD3\_ACD28\_STIM\_NRAS\_KO\_CD4\_TCELL\_DN  
GSE22611\_UNSTIM\_VS\_6H\_MDP\_STIM\_NOD2\_TRANSDUCED\_HEK293T\_CELL\_UP, GSE22611\_UNSTIM\_VS\_6H\_MDP\_STIM\_NOD2\_TRANSDUCED\_HEK293T\_CELL\_UP  
GSE4535\_BM\_DERIVED\_DC\_VS\_FOLLICULAR\_DC\_UP, GSE4535\_BM\_DERIVED\_DC\_VS\_FOLLICULAR\_DC\_UP  
GSE34156\_NOD2\_LIGAND\_VS\_TLR1\_TLR2\_LIGAND\_6H\_TREATED\_MONOCYTE\_UP, GSE34156\_NOD2\_LIGAND\_VS\_TLR1\_TLR2\_LIGAND\_6H\_TREATED\_MONOCYTE\_UP  
GSE19401\_PAM2CSK4\_VS\_RETINOIC\_ACID\_AND\_PAM2CSK4\_STIM\_FOLLICULAR\_DC\_UP, GSE19401\_PAM2CSK4\_VS\_RETINOIC\_ACID\_AND\_PAM2CSK4\_STIM\_FOLLICULAR\_DC\_UP  
GSE7548\_DAY7\_VS\_DAY28\_PCC\_IMMUNIZATION\_CD4\_TCELL\_UP, GSE7548\_DAY7\_VS\_DAY28\_PCC\_IMMUNIZATION\_CD4\_TCELL\_UP  
GSE23114\_WT\_VS\_SLE2C1\_MOUSE\_PERITONEAL\_CAVITY\_B1A\_BCELL\_UP, GSE23114\_WT\_VS\_SLE2C1\_MOUSE\_PERITONEAL\_CAVITY\_B1A\_BCELL\_UP  
GSE46143\_CTRL\_VS\_LMP2A\_TRANSDUCED\_CD10\_POS\_GC\_BCELL\_UP, GSE46143\_CTRL\_VS\_LMP2A\_TRANSDUCED\_CD10\_POS\_GC\_BCELL\_UP  
GSE43955\_10H\_VS\_30H\_ACT\_CD4\_TCELL\_WITH\_TGFB\_IL6\_DN, GSE43955\_10H\_VS\_30H\_ACT\_CD4\_TCELL\_WITH\_TGFB\_IL6\_DN  
GSE21546\_WT\_VS\_SAP1A\_KO\_AND\_ELK1\_KO\_DP\_THYMOCYTES\_UP, GSE21546\_WT\_VS\_SAP1A\_KO\_AND\_ELK1\_KO\_DP\_THYMOCYTES\_UP  
GSE2585\_CTEC\_VS\_THYMIC\_DC\_DN, GSE2585\_CTEC\_VS\_THYMIC\_DC\_DN  
NAKAYA\_PBMIC\_FLUMIST\_AGE\_18\_50YO\_7DY\_IFN\_SUBSET\_UP, NAKAYA\_PBMIC\_FLUMIST\_AGE\_18\_50YO\_7DY\_IFN\_SUBSET\_UP  
GSE13306\_RA\_VS\_UNTREATED\_TCONV\_DN, GSE13306\_RA\_VS\_UNTREATED\_TCONV\_DN  
CAO\_BLOOD\_FLUMIST\_AGE\_05\_14YO\_7DY\_UP, CAO\_BLOOD\_FLUMIST\_AGE\_05\_14YO\_7DY\_UP  
OVSYANNIKOVA\_PBMIC\_FLUARIX\_AGE\_50\_74YO\_COMMON\_WITH\_BOTH\_HAI\_AND\_VNA\_28DY\_VS\_0DY\_USED\_IN\_HAI\_AND\_VNA\_RESPONSE\_MODELS\_UP, OVSYANNIKOVA\_PBMIC\_FLUARIX\_AGE\_50\_74YO\_COMMON\_WITH\_BOTH\_HAI\_AND\_VNA\_28DY\_VS\_0DY\_USED\_IN\_HAI\_AND\_VNA\_RESPONSE\_MODELS\_UP  
GSE34156\_NOD2\_LIGAND\_VS\_NOD2\_AND\_TLR1\_TLR2\_LIGAND\_24H\_TREATED\_MONOCYTE\_UP, GSE34156\_NOD2\_LIGAND\_VS\_NOD2\_AND\_TLR1\_TLR2\_LIGAND\_24H\_TREATED\_MONOCYTE\_UP  
GSE29949\_MICROGLIA\_BRAIN\_VS\_CD8\_NEG\_DC\_SPLEEN\_UP, GSE29949\_MICROGLIA\_BRAIN\_VS\_CD8\_NEG\_DC\_SPLEEN\_UP  
GSE2770\_UNTREATED\_VS\_TGFB\_AND\_IL12\_TREATED\_ACT\_CD4\_TCELL\_6H\_DN, GSE2770\_UNTREATED\_VS\_TGFB\_AND\_IL12\_TREATED\_ACT\_CD4\_TCELL\_6H\_DN  
HOFT\_CD4\_POSITIVE\_ALPHA\_BETA\_MEMORY\_T\_CELL\_BCG\_VACCINE\_AGE\_18\_45YO\_56D\_TOP\_100\_DEG\_AFTER\_IN\_VITRO\_RE\_STIMULATION\_UP, HOFT\_CD4\_POSITIVE\_ALPHA\_BETA\_MEMORY\_T\_CELL\_BCG\_VACCINE\_AGE\_18\_45YO\_56D\_TOP\_100\_DEG\_AFTER\_IN\_VITRO\_RE\_STIMULATION\_UP  
GSE29618\_PRE\_VS\_DAY7\_POST\_TIV\_FLU\_VACCINE\_MDC\_UP, GSE29618\_PRE\_VS\_DAY7\_POST\_TIV\_FLU\_VACCINE\_MDC\_UP  
GSE29617\_DAY3\_VS\_DAY7\_TIV\_FLU\_VACCINE\_PBMIC\_2008\_UP, GSE29617\_DAY3\_VS\_DAY7\_TIV\_FLU\_VACCINE\_PBMIC\_2008\_UP  
FRANCO\_BLOOD\_SANOFI\_PASTEUR\_SA\_INACTIVATED\_INFLUENZA\_VACCINE\_CORRELATED\_WITH\_ANTIBODY\_RESPONSE\_AGE\_18\_40YO\_0DY\_POSITIVE, FRANCO\_BLOOD\_SANOFI\_PASTEUR\_SA\_INACTIVATED\_INFLUENZA\_VACCINE\_CORRELATED\_WITH\_ANTIBODY\_RESPONSE\_AGE\_18\_40YO\_0DY\_POSITIVE