

S\_TYPE\_2\_DIABETES\_PBMC\_AT\_DX\_UP, GSE9006\_TYPE\_1\_VS\_TYPE\_2\_DIABETES\_PBMC\_AT\_DX\_UP

GSE9006\_HEALTHY\_VS\_TYPE\_1\_DIABETES\_PBMC\_4MONTH\_POST\_DX\_UP, GSE9006\_HEALTHY\_VS\_TYPE\_1\_DIABETES\_PBMC\_6MONTH\_POST\_DX\_UP  
GSE45837\_WT\_VS\_GF11\_KO\_PDC\_DN, GSE45837\_WT\_VS\_GF11\_KO\_PDC\_DN  
GSE16385\_UNTREATED\_VS\_12H\_ROSIGLITAZONE\_IL4\_TREATED\_MACROPHAGE\_UP, GSE16385\_UNTREATED\_VS\_12H\_ROSIGLITAZONE\_IL4\_TREATED\_MACROPHAGE\_UP  
GSE42088\_2H\_VS\_24H\_LEISHMANIA\_INF\_DC\_UP, GSE42088\_2H\_VS\_24H\_LEISHMANIA\_INF\_DC\_UP  
GSE16450\_CTRL\_VS\_IFNA\_6H\_STIM\_MATURE\_NEURON\_CELL\_LINE\_DN, GSE16450\_CTRL\_VS\_IFNA\_6H\_STIM\_MATURE\_NEURON\_CELL\_LINE\_DN  
GSE25088\_CTRL\_VS\_ROSIGLITAZONE\_STIM\_STAT6\_KO\_MACROPHAGE\_DN, GSE25088\_CTRL\_VS\_ROSIGLITAZONE\_STIM\_STAT6\_KO\_MACROPHAGE\_DN  
GSE6259\_DEC205\_POS\_DC\_VS\_CD8\_TCELL\_UP, GSE6259\_DEC205\_POS\_DC\_VS\_CD8\_TCELL\_UP  
GSE9601\_UNTREATED\_VS\_P13K\_INHIBITOR\_TREATED\_HCMV\_INF\_MONOCYTE\_UP, GSE9601\_UNTREATED\_VS\_P13K\_INHIBITOR\_TREATED\_HCMV\_INF\_MONOCYTE\_UP  
GSE369\_PRE\_VS\_POST\_IL6\_INJECTION\_SOCS3\_KO\_LIVER\_DN, GSE369\_PRE\_VS\_POST\_IL6\_INJECTION\_SOCS3\_KO\_LIVER\_DN  
GSE17721\_POLYIC\_VS\_PAM3CSK4\_8H\_BMDC\_DN, GSE17721\_POLYIC\_VS\_PAM3CSK4\_8H\_BMDC\_DN  
GSE22886\_TCELL\_VS\_BCELL\_NAIVE\_UP, GSE22886\_TCELL\_VS\_BCELL\_NAIVE\_UP  
GSE16522\_ANTI\_CD3CD28\_STIM\_VS\_UNSTIM\_NAIVE\_CD8\_TCELL\_DN, GSE16522\_ANTI\_CD3CD28\_STIM\_VS\_UNSTIM\_NAIVE\_CD8\_TCELL\_DN  
GSE9006\_TYPE\_1\_DIABETES\_AT\_DX\_VS\_4MONTH\_POST\_DX\_PBMC\_UP, GSE9006\_TYPE\_1\_DIABETES\_AT\_DX\_VS\_4MONTH\_POST\_DX\_PBMC\_UP  
GSE2770\_IL4\_ACT\_VS\_ACT\_CD4\_TCELL\_6H\_UP, GSE2770\_IL4\_ACT\_VS\_ACT\_CD4\_TCELL\_6H\_UP  
GSE22886\_NAIVE\_CD4\_TCELL\_VS\_DC\_UP, GSE22886\_NAIVE\_CD4\_TCELL\_VS\_DC\_UP  
GSE27786\_LSK\_VS\_NKCELL\_DN, GSE27786\_LSK\_VS\_NKCELL\_DN  
GSE7509\_UNSTIM\_VS\_TNFA\_IL1B\_IL6\_PGE\_STIM\_DC\_UP, GSE7509\_UNSTIM\_VS\_TNFA\_IL1B\_IL6\_PGE\_STIM\_DC\_UP  
GSE21670\_TGFB\_VS\_TGFB\_AND\_IL6\_TREATED\_CD4\_TCELL\_DN, GSE21670\_TGFB\_VS\_TGFB\_AND\_IL6\_TREATED\_CD4\_TCELL\_DN  
GSE3982\_MAC\_VS\_TH1\_DN, GSE3982\_MAC\_VS\_TH1\_DN  
GSE6269\_HEALTHY\_VS\_E\_COLI\_INF\_PBMC\_UP, GSE6269\_HEALTHY\_VS\_E\_COLI\_INF\_PBMC\_UP  
GSE22886\_CD8\_TCELL\_VS\_BCELL\_NAIVE\_UP, GSE22886\_CD8\_TCELL\_VS\_BCELL\_NAIVE\_UP  
GSE7831\_UNSTIM\_VS\_CPG\_STIM\_PDC\_1H\_UP, GSE7831\_UNSTIM\_VS\_CPG\_STIM\_PDC\_1H\_UP  
GSE43863\_NAIVE\_VS\_LY6C\_LOW\_CXCR5NEG\_CD4\_EFF\_TCELL\_D6\_LCMV\_DN, GSE43863\_NAIVE\_VS\_LY6C\_LOW\_CXCR5NEG\_CD4\_EFF\_TCELL\_D6\_LCMV\_DN  
GSE5589\_WT\_VS\_IL10\_KO\_LPS\_AND\_IL10\_STIM\_MACROPHAGE\_45MIN\_DN, GSE5589\_WT\_VS\_IL10\_KO\_LPS\_AND\_IL10\_STIM\_MACROPHAGE\_45MIN\_DN  
GSE22886\_CD4\_TCELL\_VS\_BCELL\_NAIVE\_UP, GSE22886\_CD4\_TCELL\_VS\_BCELL\_NAIVE\_UP  
GSE24634\_NAIVE\_CD4\_TCELL\_VS\_DAY3\_IL4\_CONV\_TREG\_UP, GSE24634\_NAIVE\_CD4\_TCELL\_VS\_DAY3\_IL4\_CONV\_TREG\_UP  
GSE22886\_NAIVE\_CD4\_TCELL\_VS\_12H\_ACT\_TH1\_UP, GSE22886\_NAIVE\_CD4\_TCELL\_VS\_12H\_ACT\_TH1\_UP  
GSE10273\_HIGH\_IL7\_VS\_HIGH\_IL7\_AND\_IRF4\_IN\_IRF4\_8\_NULL\_PRE\_BCELL\_DN, GSE10273\_HIGH\_IL7\_AND\_IRF4\_IN\_IRF4\_8\_NULL\_PRE\_BCELL\_DN  
GSE12845\_PRE\_GC\_VS\_DARKZONE\_GC\_TONSIL\_BCELL\_UP, GSE12845\_PRE\_GC\_VS\_DARKZONE\_GC\_TONSIL\_BCELL\_UP  
GSE360\_T\_GONDII\_VS\_B\_MALAYI\_LOW\_DOSE\_MAC\_DN, GSE360\_T\_GONDII\_VS\_B\_MALAYI\_LOW\_DOSE\_MAC\_DN  
GSE40277\_EOS\_AND\_LEF1\_TRANSDUCED\_VS\_GATA1\_AND\_SATB1\_TRANSDUCED\_CD4\_TCELL\_DN, GSE40277\_EOS\_AND\_LEF1\_TRANSDUCED\_VS\_GATA1\_AND\_SATB1\_TRANSDUCED\_CD4\_TCELL\_DN  
GSE23568\_CTRL\_VS\_ID3\_TRANSDUCED\_CD8\_TCELL\_UP, GSE23568\_CTRL\_VS\_ID3\_TRANSDUCED\_CD8\_TCELL\_UP  
GSE22886\_IGM\_MEMORY\_BCELL\_VS\_BM\_PLASMA\_CELL\_DN, GSE22886\_IGM\_MEMORY\_BCELL\_VS\_BM\_PLASMA\_CELL\_DN  
GSE13493\_DP\_VS\_CD8POS\_THYMOCYTE\_UP, GSE13493\_DP\_VS\_CD8POS\_THYMOCYTE\_UP  
GSE15330\_WT\_VS\_IKAROS\_KO\_LYMPHOID\_MULTIPOTENT\_PROGENITOR\_DN, GSE15330\_WT\_VS\_IKAROS\_KO\_LYMPHOID\_MULTIPOTENT\_PROGENITOR\_DN  
GSE15324\_NAIVE\_VS\_ACTIVATED\_ELF4\_KO\_CD8\_TCELL\_UP, GSE15324\_NAIVE\_VS\_ACTIVATED\_ELF4\_KO\_CD8\_TCELL\_UP  
GSE27786\_NKCELL\_VS\_NKTCELL\_DN, GSE27786\_NKCELL\_VS\_NKTCELL\_DN  
GSE25846\_IL10\_POS\_VS\_NEG\_CD8\_TCELL\_DAY7\_POST\_CORONAVIRUS\_BRAIN\_DN, GSE25846\_IL10\_POS\_VS\_NEG\_CD8\_TCELL\_DAY7\_POST\_CORONAVIRUS\_BRAIN\_DN  
GSE5589\_UNSTIM\_VS\_45MIN\_LPS\_STIM\_MACROPHAGE\_DN, GSE5589\_UNSTIM\_VS\_45MIN\_LPS\_STIM\_MACROPHAGE\_DN  
GSE6259\_BCELL\_VS\_CD4\_TCELL\_UP, GSE6259\_BCELL\_VS\_CD4\_TCELL\_UP  
GSE20500\_CTRL\_VS\_RARA\_ANTAGONIST\_TREATED\_CD4\_TCELL\_UP, GSE20500\_CTRL\_VS\_RARA\_ANTAGONIST\_TREATED\_CD4\_TCELL\_UP  
GSE3039\_ALPHAALPHA\_CD8\_TCELL\_VS\_B2\_BCELL\_UP, GSE3039\_ALPHAALPHA\_CD8\_TCELL\_VS\_B2\_BCELL\_UP  
GSE19888\_CTRL\_VS\_A3R\_ACT\_TREATED\_MAST\_CELL\_PRETREATED\_WITH\_A3R\_INH\_DN, GSE19888\_CTRL\_VS\_A3R\_ACT\_TREATED\_MAST\_CELL\_PRETREATED\_WITH\_A3R\_INH\_DN  
GSE8921\_UNSTIM\_VS\_TLR1\_2\_STIM\_MONOCYTE\_24H\_DN, GSE8921\_UNSTIM\_VS\_TLR1\_2\_STIM\_MONOCYTE\_24H\_DN  
GSE22886\_NAIVE\_CD4\_TCELL\_VS\_MONOCYTE\_UP, GSE22886\_NAIVE\_CD4\_TCELL\_VS\_MONOCYTE\_UP  
GSE28726\_NAIVE\_VS\_ACTIVATED\_CD4\_TCELL\_UP, GSE28726\_NAIVE\_VS\_ACTIVATED\_CD4\_TCELL\_UP  
GSE360\_L\_DONOVANI\_VS\_B\_MALAYI\_HIGH\_DOSE\_MAC\_DN, GSE360\_L\_DONOVANI\_VS\_B\_MALAYI\_HIGH\_DOSE\_MAC\_DN  
GSE10325\_BCELL\_VS\_MYELOID\_UP, GSE10325\_BCELL\_VS\_MYELOID\_UP  
GSE43955\_10H\_VS\_60H\_ACT\_CD4\_TCELL\_UP, GSE43955\_10H\_VS\_60H\_ACT\_CD4\_TCELL\_UP  
GSE22611\_NOD2\_VS\_MUTANT\_NOD2\_TRANSDUCED\_HEK293T\_CELL\_UP, GSE22611\_NOD2\_VS\_MUTANT\_NOD2\_TRANSDUCED\_HEK293T\_CELL\_UP  
GSE18281\_SUBCAPSULAR\_CORTICAL\_REGION\_VS\_WHOLE\_MEDULLA\_THYMUS\_UP, GSE18281\_SUBCAPSULAR\_CORTICAL\_REGION\_VS\_WHOLE\_MEDULLA\_THYMUS\_UP  
GSE5589\_LPS\_VS\_LPS\_AND\_IL10\_STIM\_IL10\_KO\_MACROPHAGE\_45MIN\_DN, GSE5589\_LPS\_VS\_LPS\_AND\_IL10\_STIM\_IL10\_KO\_MACROPHAGE\_45MIN\_DN  
GSE29618\_PDC\_VS\_MDC\_DAY7\_FLU\_VACCINE\_UP, GSE29618\_PDC\_VS\_MDC\_DAY7\_FLU\_VACCINE\_UP  
GSE15930\_NAIVE\_VS\_72H\_IN\_VITRO\_STIM\_TRICHOSTATINA\_CD8\_TCELL\_UP, GSE15930\_NAIVE\_VS\_72H\_IN\_VITRO\_STIM\_TRICHOSTATINA\_CD8\_TCELL\_UP  
GSE17721\_CTRL\_VS\_LPS\_0.5H\_BMDC\_DN, GSE17721\_CTRL\_VS\_LPS\_0.5H\_BMDC\_DN  
HOFT\_CD4\_POSITIVE\_ALPHA\_BETA\_MEMORY\_T\_CELL\_BCG\_VACCINE\_AGE\_18\_45YO\_56D\_TOP\_100\_DEG\_AFTER\_IN\_VITRO\_RE\_STIMULATION\_DN, HOFT\_CD4\_POSITIVE\_ALPHA\_BETA\_MEMORY\_T\_CELL\_BCG\_VACCINE\_AGE\_18\_45YO\_56D\_TOP\_100\_DEG\_AFTER\_IN\_VITRO\_RE\_STIMULATION\_DN  
GSE28726\_NAIVE\_CD4\_TCELL\_VS\_NAIVE\_VA24NEG\_NKTCELL\_DN, GSE28726\_NAIVE\_CD4\_TCELL\_VS\_NAIVE\_VA24NEG\_NKTCELL\_DN  
GSE37301\_HEMATOPOIETIC\_STEM\_CELL\_VS\_RAG2\_KO\_NK\_CELL\_UP, GSE37301\_HEMATOPOIETIC\_STEM\_CELL\_VS\_RAG2\_KO\_NK\_CELL\_UP  
GSE20715\_WT\_VS\_TLR4\_KO\_6H\_OZONE\_LUNG\_DN, GSE20715\_WT\_VS\_TLR4\_KO\_6H\_OZONE\_LUNG\_DN  
GSE17721\_PAM3CSK4\_VS\_GADIQUIMOD\_0.5H\_BMDC\_DN, GSE17721\_PAM3CSK4\_VS\_GADIQUIMOD\_0.5H\_BMDC\_DN  
GSE39820\_TGFBETA1\_VS\_TGFBETA3\_IN\_IL6\_IL23A\_TREATED\_CD4\_TCELL\_UP, GSE39820\_TGFBETA1\_VS\_TGFBETA3\_IN\_IL6\_IL23A\_TREATED\_CD4\_TCELL\_UP  
GSE45739\_UNSTIM\_VS\_ACD3\_ACD28\_STIM\_WT\_CD4\_TCELL\_DN, GSE45739\_UNSTIM\_VS\_ACD3\_ACD28\_STIM\_WT\_CD4\_TCELL\_DN  
GSE30083\_SP1\_VS\_SP4\_THYMOCYTE\_UP, GSE30083\_SP1\_VS\_SP4\_THYMOCYTE\_UP  
GSE29164\_UNTREATED\_VS\_CD8\_TCELL\_AND\_IL12\_TREATED\_MELANOMA\_DAY7\_DN, GSE29164\_UNTREATED\_VS\_CD8\_TCELL\_AND\_IL12\_TREATED\_MELANOMA\_DAY7\_DN  
GSE24634\_IL4\_VS\_CTRL\_TREATED\_NAIVE\_CD4\_TCELL\_DAY10\_UP, GSE24634\_IL4\_VS\_CTRL\_TREATED\_NAIVE\_CD4\_TCELL\_DAY10\_UP  
GSE19512\_NAUTRAL\_VS\_INDUCED\_TREG\_DN, GSE19512\_NAUTRAL\_VS\_INDUCED\_TREG\_DN  
GSE23114\_PERITONEAL\_CAVITY\_B1A\_BCELL\_VS\_SPLEEN\_BCELL\_IN\_SLE2C1\_MOUSE\_UP, GSE23114\_PERITONEAL\_CAVITY\_B1A\_BCELL\_VS\_SPLEEN\_BCELL\_IN\_SLE2C1\_MOUSE\_UP  
GSE21927\_SPLEEN\_VS\_TUMOR\_MONOCYTE\_BALBC\_DN, GSE21927\_SPLEEN\_VS\_TUMOR\_MONOCYTE\_BALBC\_DN  
BUCASAS\_PBMF\_FLUARIX\_FLUVIRIN\_CAUCASIAN\_MALE\_AGE\_18\_40YO\_HIGH\_RESPONDERS\_1DY\_TOP\_FUNCTIONAL\_NETWORK\_POSITIVE, BUCASAS\_PBMF\_FLUARIX\_FLUVIRIN\_CAUCASIAN\_MALE\_AGE\_18\_40YO\_HIGH\_RESPONDERS\_1DY\_TOP\_FUNCTIONAL\_NETWORK\_POSITIVE  
GSE43863\_NAIVE\_VS\_LY6C\_LOW\_CXCR5NEG\_CD4\_EFF\_TCELL\_D6\_LCMV\_UP, GSE43863\_NAIVE\_VS\_LY6C\_LOW\_CXCR5NEG\_CD4\_EFF\_TCELL\_D6\_LCMV\_UP  
GSE6259\_FLT3L\_INDUCED\_DEC205\_POS\_DC\_VS\_CD8\_TCELL\_UP, GSE6259\_FLT3L\_INDUCED\_DEC205\_POS\_DC\_VS\_CD8\_TCELL\_UP  
GSE360\_L\_DONOVANI\_VS\_T\_GONDII\_DC\_UP, GSE360\_L\_DONOVANI\_VS\_T\_GONDII\_DC\_UP  
GSE27291\_0H\_VS\_6H\_STIM\_GAMMADELTA\_TCELL\_UP, GSE27291\_0H\_VS\_6H\_STIM\_GAMMADELTA\_TCELL\_UP  
GSE7548\_NAIVE\_VS\_DAY28\_PCC\_IMMUNIZATION\_CD4\_TCELL\_DN, GSE7548\_NAIVE\_VS\_DAY28\_PCC\_IMMUNIZATION\_CD4\_TCELL\_DN  
GSE41176\_WT\_VS\_TAK1\_KO\_ANTI\_IGM\_STIM\_BCELL\_1H\_UP, GSE41176\_WT\_VS\_TAK1\_KO\_ANTI\_IGM\_STIM\_BCELL\_1H\_UP  
GSE25088\_CTRL\_VS\_IL4\_STIM\_STAT6\_KO\_MACROPHAGE\_UP, GSE25088\_CTRL\_VS\_IL4\_STIM\_STAT6\_KO\_MACROPHAGE\_UP  
GSE5589\_WT\_VS\_IL6\_KO\_LPS\_STIM\_MACROPHAGE\_180MIN\_UP, GSE5589\_WT\_VS\_IL6\_KO\_LPS\_STIM\_MACROPHAGE\_180MIN\_UP  
OVSYANNIKOVA\_PBMF\_FLUARIX\_AGE\_55\_64YO\_RESPONDERS\_VS\_NONRESPONDERS\_28DY\_DN, OVSYANNIKOVA\_PBMF\_FLUARIX\_AGE\_55\_64YO\_RESPONDERS\_VS\_NONRESPONDERS\_28DY\_DN  
FULLER\_PBMF\_F\_TULARENSIS\_VACCINE\_LVS\_AGE\_22\_54YO\_18HR\_TO\_48HR\_EARLY\_DN, FULLER\_PBMF\_F\_TULARENSIS\_VACCINE\_LVS\_AGE\_22\_54YO\_18HR\_TO\_48HR\_EARLY\_DN  
GSE29949\_MICROGLIA\_BRAIN\_VS\_MONOCYTE\_BONE\_MARROW\_UP, GSE29949\_MICROGLIA\_BRAIN\_VS\_MONOCYTE\_BONE\_MARROW\_UP  
CAO\_BLOOD\_FLUZONE\_AGE\_05\_14YO\_7DY\_UP, CAO\_BLOOD\_FLUZONE\_AGE\_05\_14YO\_7DY\_UP  
GSE6875\_TCONV\_VS\_TREG\_DN, GSE6875\_TCONV\_VS\_TREG\_DN  
GSE2585\_AIRE\_KO\_VS\_WT\_CD80\_LOW\_MTEC\_UP, GSE2585\_AIRE\_KO\_VS\_WT\_CD80\_LOW\_MTEC\_UP  
GSE26488\_CTRL\_VS\_PEPTIDE\_INJECTION\_OT2\_THYMOCYTE\_UP, GSE26488\_CTRL\_VS\_PEPTIDE\_INJECTION\_OT2\_THYMOCYTE\_UP  
GSE360\_DC\_VS\_MAC\_L\_MAJOR\_DN, GSE360\_DC\_VS\_MAC\_L\_MAJOR\_DN