```
GSE21360 SECONDARY VS TERTIARY MEMORY CD8 TCELL UP, GSE21360 SECONDARY VS TERTIARY MEMORY CD8 TCELL UP
                                                                                             GSE22886_NEUTROPHIL_VS_DC_DN, GSE22886_NEUTROPHIL_VS_DC_DN
                                                                                             GSE21927_BALBC_VS_C57BL6_MONOCYTE_TUMOR_UP, GSE21927_BALBC_VS_C57BL6_MONOCYTE_TUMOR_UP
                                                                                             GSE24634_NAIVE_CD4_TCELL_VS_DAY5_IL4_CONV_TREG_DN, GSE24634_NAIVE_CD4_TCELL_VS_DAY5_IL4_CONV_TREG_DN
                                                                                             GSE21927_GMCSF_IL6_VS_GMCSF_GCSF_TREATED_BONE_MARROW_DN, GSE21927_GMCSF_IL6_VS_GMCSF_GCSF_TREATED_BONE_MARROW_DN
                                                                                             GSE22886_IGM_MEMORY_BCELL_VS_BLOOD_PLASMA_CELL_DN, GSE22886_IGM_MEMORY_BCELL_VS_BLOOD_PLASMA_CELL_DN
                                                                                             GSE17974_0H_VS_12H_IN_VITRO_ACT_CD4_TCELL_DN, GSE17974_0H_VS_12H_IN_VITRO_ACT_CD4_TCELL_DN
                                                                                             GSE41867_DAY8_EFFECTOR_VS_DAY30_MEMORY_CD8_TCELL_LCMV_ARMSTRONG_UP, GSE41867_DAY8_EFFECTOR_VS_DAY30_MEMORY_CD8_TCELL_LCMV_ARMSTRONG_UP
                                                                                             GSE22886_NAIVE_CD4_TCELL_VS_NKCELL_DN, GSE22886_NAIVE_CD4_TCELL_VS_NKCELL_DN
                                                                                             GSE12845_IGD_NEG_BLOOD_VS_NAIVE_TONSIL_BCELL_UP, GSE12845_IGD_NEG_BLOOD_VS_NAIVE_TONSIL_BCELL_UP
                                                                                             GSE22886_NAIVE_CD4_TCELL_VS_MEMORY_TCELL_DN, GSE22886_NAIVE_CD4_TCELL_VS_MEMORY_TCELL_DN
                                                                                             GSE43863_TH1_VS_LY6C_INT_CXCR5POS_EFFECTOR_CD4_TCELL_UP, GSE43863_TH1_VS_LY6C_INT_CXCR5POS_EFFECTOR_CD4_TCELL_UP
                                                                                             GSE22886_NAIVE_CD4_TCELL_VS_DC_DN, GSE22886_NAIVE_CD4_TCELL_VS_DC_DN
                                                                                            GSE29617 CTRL VS DAY3 TIV_FLU_VACCINE_PBMC_2008_DN, GSE29617_CTRL_VS_DAY3_TIV_FLU_VACCINE_PBMC_2008_DN
                                                                                            GSE41867_DAY8_EFFECTOR_VS_DAY30_EXHAUSTED_CD8_TCELL_LCMV_CLONE13_UP, GSE41867_DAY8_EFFECTOR_VS_DAY30_EXHAUSTED_CD8_TCELL_LCMV_CLONE13_UP
                                                                                            GSE5099_UNSTIM_VS_MCSF_TREATED_MONOCYTE_DAY7_UP, GSE5099_UNSTIM_VS_MCSF_TREATED_MONOCYTE_DAY7_UP
                                                                                             GSE17721_POLYIC_VS_PAM3CSK4_6H_BMDC_DN, GSE17721_POLYIC_VS_PAM3CSK4_6H_BMDC_DN
                                                                                             GSE22886_NAIVE_BCELL_VS_DC_DN, GSE22886_NAIVE_BCELL_VS_DC_DN
                                                                                             GSE22886_NAIVE_CD8_TCELL_VS_NEUTROPHIL_UP, GSE22886_NAIVE_CD8_TCELL_VS_NEUTROPHIL_UP
                                                                                            GSE22886_CD8_VS_CD4_NAIVE_TCELL_UP, GSE22886_CD8_VS_CD4_NAIVE_TCELL_UP
                                                                                            GSE22886_NAIVE_CD8_TCELL_VS_DC_DN, GSE22886_NAIVE_CD8_TCELL_VS_DC_DN
                                                                                            GSE40273_XBP1_KO_VS_WT_TREG_UP, GSE40273_XBP1_KO_VS_WT_TREG_UP
                                                                                            GSE3982_DC_VS_NEUTROPHIL_UP, GSE3982_DC_VS_NEUTROPHIL_UP
                                                                                             GSE10325_MYELOID_VS_LUPUS_MYELOID_DN, GSE10325_MYELOID_VS_LUPUS_MYELOID_DN
                                                                                             GSE32986_UNSTIM_VS_GMCSF_AND_CURDLAN_HIGHDOSE_STIM_DC_UP, GSE32986_UNSTIM_VS_GMCSF_AND_CURDLAN_HIGHDOSE_STIM_DC_UP
                                                                                             GSE19401_PLN_VS_PEYERS_PATCH_FOLLICULAR_DC_DN, GSE19401_PLN_VS_PEYERS_PATCH_FOLLICULAR_DC_DN
                                                                                             GSE2770 IL4 ACT VS ACT CD4 TCELL 6H DN, GSE2770 IL4 ACT VS ACT CD4 TCELL 6H DN
                                                                                             GSE37416_0H_VS_12H_F_TULARENSIS_LVS_NEUTROPHIL_DN, GSE37416_0H_VS_12H_F_TULARENSIS_LVS_NEUTROPHIL_DN
                                                                                             GSE35685_CD34POS_CD38NEG_VS_CD34POS_CD10POS_BONE_MARROW_DN, GSE35685_CD34POS_CD38NEG_VS_CD34POS_CD10POS_BONE_MARROW_DN
                                                                                             GSE17974_0H_VS_2H_IN_VITRO_ACT_CD4_TCELL_DN, GSE17974_0H_VS_2H_IN_VITRO_ACT_CD4_TCELL_DN
                                                                                            GSE10325_BCELL_VS_LUPUS_BCELL_DN, GSE10325_BCELL_VS_LUPUS_BCELL_DN
                                                                                             GSE2770_IL12_AND_TGFB_ACT_VS_ACT_CD4_TCELL_2H_UP, GSE2770_IL12_AND_TGFB_ACT_VS_ACT_CD4_TCELL_2H_UP
                                                                                            GSE6269_FLU_VS_STAPH_AUREUS_INF_PBMC_UP, GSE6269_FLU_VS_STAPH_AUREUS_INF_PBMC_UP
                                                                                            GSE2770_UNTREATED_VS_IL12_TREATED_ACT_CD4_TCELL_48H_DN, GSE2770_UNTREATED_VS_IL12_TREATED_ACT_CD4_TCELL_48H_DN
                                                                                             GSE2770_IL12_ACT_VS_ACT_CD4_TCELL_2H_DN, GSE2770_IL12_ACT_VS_ACT_CD4_TCELL_2H_DN
                                                                                            GSE15330_HSC_VS_LYMPHOID_PRIMED_MULTIPOTENT_PROGENITOR_DN, GSE15330_HSC_VS_LYMPHOID_PRIMED_MULTIPOTENT_PROGENITOR_DN
                                                                                            GSE14415_ACT_TCONV_VS_ACT_NATURAL_TREG_DN, GSE14415_ACT_TCONV_VS_ACT_NATURAL_TREG_DN
                                                                                             GSE24814_STAT5_KO_VS_WT_PRE_BCELL_DN, GSE24814_STAT5_KO_VS_WT_PRE_BCELL_DN
                                                                                             GSE29949_CD8_POS_DC_SPLEEN_VS_DC_BRAIN_UP, GSE29949_CD8_POS_DC_SPLEEN_VS_DC_BRAIN_UP
                                                                                             GSE24726_WT_VS_E2_22_KO_PDC_DAY4_POST_DELETION_DN, GSE24726_WT_VS_E2_22_KO_PDC_DAY4_POST_DELETION_DN
                                                                                             GSE2770_TGFB_AND_IL4_VS_IL4_TREATED_ACT_CD4_TCELL_48H_UP, GSE2770_TGFB_AND_IL4_VS_IL4_TREATED_ACT_CD4_TCELL_48H_UP
                                                                                            GSE17812_WT_VS_THPOK_KO_MEMORY_CD8_TCELL_UP, GSE17812_WT_VS_THPOK_KO_MEMORY_CD8_TCELL_UP
                                                                                             GSE27786_LIN_NEG_VS_CD8_TCELL_UP, GSE27786_LIN_NEG_VS_CD8_TCELL_UP
                                                                                            GSE14308_NAIVE_CD4_TCELL_VS_INDUCED_TREG_DN, GSE14308_NAIVE_CD4_TCELL_VS_INDUCED_TREG_DN
                                                                                            GSE6092_IFNG_VS_IFNG_AND_B_BURGDORFERI_INF_ENDOTHELIAL_CELL_DN, GSE6092_IFNG_VS_IFNG_AND_B_BURGDORFERI_INF_ENDOTHELIAL_CELL_DN
                                                                                            GSE17974_CTRL_VS_ACT_IL4_AND_ANTI_IL12_1H_CD4_TCELL_DN, GSE17974_CTRL_VS_ACT_IL4_AND_ANTI_IL12_1H_CD4_TCELL_DN
                                                                                             GSE12392_CD8A_POS_VS_NEG_SPLEEN_IFNB_KO_DC_DN, GSE12392_CD8A_POS_VS_NEG_SPLEEN_IFNB_KO_DC_DN
                                                                                             GSE20727_CTRL_VS_DNFB_ALLERGEN_TREATED_DC_UP, GSE20727_CTRL_VS_DNFB_ALLERGEN_TREATED_DC_UP
                                                                                             GSE1460 NAIVE CD4 TCELL CORD BLOOD VS THYMIC STROMAL CELL DN, GSE1460 NAIVE CD4 TCELL CORD BLOOD VS THYMIC STROMAL CELL DN
                                                                                            GSE17721 0.5H VS 4H PAM3CSK4 BMDC DN, GSE17721 0.5H VS 4H PAM3CSK4 BMDC DN
                                                                                             GSE3039_ALPHAALPHA_VS_ALPHABETA_CD8_TCELL_UP, GSE3039_ALPHAALPHA_VS_ALPHABETA_CD8_TCELL_UP
                                                                                             GSE3982_MAC_VS_EFF_MEMORY_CD4_TCELL_UP, GSE3982_MAC_VS_EFF_MEMORY_CD4_TCELL_UP
                                                                                             GSE37416_0H_VS_48H_F_TULARENSIS_LVS_NEUTROPHIL_DN, GSE37416_0H_VS_48H_F_TULARENSIS_LVS_NEUTROPHIL_DN
                                                                                             GSE1460_CD4_THYMOCYTE_VS_NAIVE_CD4_TCELL_ADULT_BLOOD_UP, GSE1460_CD4_THYMOCYTE_VS_NAIVE_CD4_TCELL_ADULT_BLOOD_UP
                                                                                             GSE2770_IL12_AND_TGFB_VS_IL4_TREATED_ACT_CD4_TCELL_2H_UP, GSE2770_IL12_AND_TGFB_VS_IL4_TREATED_ACT_CD4_TCELL_2H_UP
                                                                                            GSE13411_NAIVE_VS_IGM_MEMORY_BCELL_DN, GSE13411_NAIVE_VS_IGM_MEMORY_BCELL_DN
                                                                                             GSE15330 LYMPHOID MULTIPOTENT VS GRANULOCYTE MONOCYTE PROGENITOR IKAROS KO UP, GSE15330 LYMPHOID MULTIPOTENT VS GRANULOCYTE MONOCYTE PROGENITOR IKAROS KO UP
                                                                                             GSE3982_EOSINOPHIL_VS_NKCELL_DN, GSE3982_EOSINOPHIL_VS_NKCELL_DN
                                                                                            GSE1432 CTRL VS IFNG 6H MICROGLIA DN, GSE1432 CTRL VS IFNG 6H MICROGLIA DN
                                                                                             GSE339_CD4POS_VS_CD8POS_DC_DN, GSE339_CD4POS_VS_CD8POS_DC_DN
                                                                                             GSE17721_POLYIC_VS_CPG_24H_BMDC_DN, GSE17721_POLYIC_VS_CPG_24H_BMDC_DN
                                                                                             GSE6092 CTRL VS BORRELIA BIRGDOFERI INF ENDOTHELIAL CELL UP, GSE6092 CTRL VS BORRELIA BIRGDOFERI INF ENDOTHELIAL CELL UP
                                                                                             GSE20727_CTRL_VS_ROS_INHIBITOR_TREATED_DC_DN, GSE20727_CTRL_VS_ROS_INHIBITOR_TREATED_DC_DN
                                                                                             GSE46606_DAY1_VS_DAY3_CD40L_IL2_IL5_STIMULATED_IRF4HIGH_BCELL_DN, GSE46606_DAY1_VS_DAY3_CD40L_IL2_IL5_STIMULATED_IRF4HIGH_BCELL_DN
                                                                                             GSE15930_STIM_VS_STIM_AND_TRICHOSTATINA_48H_CD8_T_CELL_DN, GSE15930_STIM_VS_STIM_AND_TRICHOSTATINA_48H_CD8_T_CELL_DN
                                                                                             GSE1460_CD4_THYMOCYTE_VS_THYMIC_STROMAL_CELL_DN, GSE1460_CD4_THYMOCYTE_VS_THYMIC_STROMAL_CELL_DN
                                                                                             GSE2585_CTEC_VS_THYMIC_MACROPHAGE_DN, GSE2585_CTEC_VS_THYMIC_MACROPHAGE_DN
                                                                                             GSE21360_SECONDARY_VS_QUATERNARY_MEMORY_CD8_TCELL_DN, GSE21360_SECONDARY_VS_QUATERNARY_MEMORY_CD8_TCELL_DN
                                                                                             GSE29618_PRE_VS_DAY7_FLU_VACCINE_MDC_DN, GSE29618_PRE_VS_DAY7_FLU_VACCINE_MDC_DN
                                                                                             GSE2770_TGFB_AND_IL4_ACT_VS_ACT_CD4_TCELL_48H_UP, GSE2770_TGFB_AND_IL4_ACT_VS_ACT_CD4_TCELL_48H_UP
                                                                                             KAECH_NAIVE_VS_MEMORY_CD8_TCELL_DN, KAECH_NAIVE_VS_MEMORY_CD8_TCELL_DN
                                                                                             GSE25088_CTRL_VS_IL4_AND_ROSIGLITAZONE_STIM_STAT6_KO_MACROPHAGE_DN, GSE25088_CTRL_VS_IL4_AND_ROSIGLITAZONE_STIM_STAT6_KO_MACROPHAGE_DN
                                                                                             GSE19772_CTRL_VS_HCMV_INF_MONOCYTES_UP, GSE19772_CTRL_VS_HCMV_INF_MONOCYTES_UP
                                                                                             GSE14415_INDUCED_TREG_VS_FOXP3_KO_INDUCED_TREG_DN, GSE14415_INDUCED_TREG_VS_FOXP3_KO_INDUCED_TREG_DN
                                                                                            GSE11864 UNTREATED VS CSF1 IFNG PAM3CYS IN MAC DN, GSE11864 UNTREATED VS CSF1 IFNG PAM3CYS IN MAC DN
                                                                                             GSE13522_CTRL_VS_T_CRUZI_Y_STRAIN_INF_SKIN_BALBC_MOUSE_UP, GSE13522_CTRL_VS_T_CRUZI_Y_STRAIN_INF_SKIN_BALBC_MOUSE_UP
                                                                                             GSE360_HIGH_VS_LOW_DOSE_B_MALAYI_MAC_UP, GSE360_HIGH_VS_LOW_DOSE_B_MALAYI_MAC_UP
                                                                                            GSE11864_UNTREATED_VS_CSF1_PAM3CYS_IN_MAC_DN, GSE11864_UNTREATED_VS_CSF1_PAM3CYS_IN_MAC_DN
                                                                                             GSE9037_CTRL_VS_LPS_4H_STIM_BMDM_UP, GSE9037_CTRL_VS_LPS_4H_STIM_BMDM_UP
                                                                                             GSE22611_NOD2_VS_MUTANT_NOD2_TRANSDUCED_HEK293T_CELL_UP, GSE22611_NOD2_VS_MUTANT_NOD2_TRANSDUCED_HEK293T_CELL_UP
                                                                                             GSE3039_CD4_TCELL_VS_ALPHABETA_CD8_TCELL_DN, GSE3039_CD4_TCELL_VS_ALPHABETA_CD8_TCELL_DN
                                                                                             GSE15659 NONSUPPRESSIVE TCELL VS ACTIVATED TREG DN, GSE15659 NONSUPPRESSIVE TCELL VS ACTIVATED TREG DN
                                                                                             GSE43955_TH0_VS_TGFB_IL6_TH17_ACT_CD4_TCELL_4H_DN, GSE43955_TH0_VS_TGFB_IL6_TH17_ACT_CD4_TCELL_4H_DN
                                                                                             GSE3039_NKT_CELL_VS_B2_BCELL_DN, GSE3039_NKT_CELL_VS_B2_BCELL_DN
                                                                                             GSE12392_CD8A_POS_VS_NEG_SPLEEN_DC_UP, GSE12392_CD8A_POS_VS_NEG_SPLEEN_DC_UP
                                                                                             GSE1925_CTRL_VS_24H_IFNG_STIM_IFNG_PRIMED_MACROPHAGE_UP, GSE1925_CTRL_VS_24H_IFNG_STIM_IFNG_PRIMED_MACROPHAGE_UP
                                                                                             GSE20715_WT_VS_TLR4_KO_24H_OZONE_LUNG_DN, GSE20715_WT_VS_TLR4_KO_24H_OZONE_LUNG_DN
                                                                                             GSE1925_CTRL_VS_IFNG_PRIMED_MACROPHAGE_24H_IFNG_STIM_UP, GSE1925_CTRL_VS_IFNG_PRIMED_MACROPHAGE_24H_IFNG_STIM_UP
                                                                                             GSE7509 DC VS MONOCYTE DN, GSE7509 DC VS MONOCYTE DN
                                                                                            GSE45365_NK_CELL_VS_CD8_TCELL_MCMV_INFECTION_DN, GSE45365_NK_CELL_VS_CD8_TCELL_MCMV_INFECTION_DN
                                                                                             GSE17721_ALL_VS_24H_PAM3CSK4_BMDC_UP, GSE17721_ALL_VS_24H_PAM3CSK4_BMDC_UP
                                                                                             GSE360_T_GONDII_VS_B_MALAYI_LOW_DOSE_DC_UP, GSE360_T_GONDII_VS_B_MALAYI_LOW_DOSE_DC_UP
                                                                                             GSE14769 UNSTIM VS 40MIN LPS BMDM DN, GSE14769 UNSTIM VS 40MIN LPS BMDM DN
                                                                                             GSE20366_EX_VIVO_VS_DEC205_CONVERSION_NAIVE_CD4_TCELL_UP, GSE20366_EX_VIVO_VS_DEC205_CONVERSION_NAIVE_CD4_TCELL_UP
                                                                                             GSE19923_E2A_KO_VS_E2A_AND_HEB_KO_DP_THYMOCYTE_DN, GSE19923_E2A_KO_VS_E2A_AND_HEB_KO_DP_THYMOCYTE_DN
                                                                                             GSE1791_CTRL_VS_NEUROMEDINU_IN_T_CELL_LINE_6H_UP, GSE1791_CTRL_VS_NEUROMEDINU_IN_T_CELL_LINE_6H_UP
                                                                                             GSE37301 MULTIPOTENT PROGENITOR VS RAG2 KO NK CELL DN, GSE37301 MULTIPOTENT PROGENITOR VS RAG2 KO NK CELL DN
                                                                                             GSE17721 LPS VS PAM3CSK4 24H BMDC DN, GSE17721 LPS VS PAM3CSK4 24H BMDC DN
                                                                                             GSE9316_IL6_KO_VS_IFNG_KO_INVIVO_EXPANDED_CD4_TCELL_DN, GSE9316_IL6_KO_VS_IFNG_KO_INVIVO_EXPANDED_CD4_TCELL_DN
                                                                                             GSE17721_PAM3CSK4_VS_CPG_1H_BMDC_DN, GSE17721_PAM3CSK4_VS_CPG_1H_BMDC_DN
                                                                                             GSE5679_RARA_AGONIST_AM580_VS_AM580_AND_ROSIGLITAZONE_TREATED_DC_UP, GSE5679_RARA_AGONIST_AM580_VS_AM580_AND_ROSIGLITAZONE_TREATED_DC_UP
                                                                                             GSE25088_CTRL_VS_IL4_AND_ROSIGLITAZONE_STIM_MACROPHAGE_UP, GSE25088_CTRL_VS_IL4_AND_ROSIGLITAZONE_STIM_MACROPHAGE_UP
                                                                                             GSE17580_UNINFECTED_VS_S_MANSONI_INF_TREG_DN, GSE17580_UNINFECTED_VS_S_MANSONI_INF_TREG_DN
                                                                                             GSE37301_MULTIPOTENT_PROGENITOR_VS_COMMON_LYMPHOID_PROGENITOR_DN, GSE37301_MULTIPOTENT_PROGENITOR_VS_COMMON_LYMPHOID_PROGENITOR_DN
                                                                                             GSE16385_UNTREATED_VS_12H_ROSIGLITAZONE_IL4_TREATED_MACROPHAGE_DN, GSE16385_UNTREATED_VS_12H_ROSIGLITAZONE_IL4_TREATED_MACROPHAGE_DN
                                                                                             GSE37301 MULTIPOTENT PROGENITOR VS LYMPHOID PRIMED MPP DN, GSE37301 MULTIPOTENT PROGENITOR VS LYMPHOID PRIMED MPP DN
                                                                                            GSE8515_IL1_VS_IL6_4H_STIM_MAC_UP, GSE8515_IL1_VS_IL6_4H_STIM_MAC_UP
                                                                                             GSE6259_33D1_POS_DC_VS_BCELL_DN, GSE6259_33D1_POS_DC_VS_BCELL_DN
                                                                                             GSE29949_MICROGLIA_VS_DC_BRAIN_UP, GSE29949_MICROGLIA_VS_DC_BRAIN_UP
                                                                                             GSE27859_MACROPHAGE_VS_DC_UP, GSE27859_MACROPHAGE_VS_DC_UP
                                                                                             GSE37533_PPARG1_FOXP3_VS_PPARG2_FOXP3_TRANSDUCED_CD4_TCELL_PIOGLITAZONE_TREATED_UP, GSE37533_PPARG1_FOXP3_VS_PPARG2_FOXP3_TRANSDUCED_CD4_TCELL_PIOGLITAZONE_TREATED_UP
                                                                                            GSE360_CTRL_VS_B_MALAYI_HIGH_DOSE_DC_UP, GSE360_CTRL_VS_B_MALAYI_HIGH_DOSE_DC_UP
                                                                                            GSE2770_TGFB_AND_IL4_VS_IL4_TREATED_ACT_CD4_TCELL_2H_DN, GSE2770_TGFB_AND_IL4_VS_IL4_TREATED_ACT_CD4_TCELL_2H_DN
                                                                                            GSE18281_SUBCAPSULAR_CORTICAL_REGION_VS_WHOLE_MEDULLA_THYMUS_DN, GSE18281_SUBCAPSULAR_CORTICAL_REGION_VS_WHOLE_MEDULLA_THYMUS_DN
                                                                                            GSE360_DC_VS_MAC_B_MALAYI_LOW_DOSE_DN, GSE360_DC_VS_MAC_B_MALAYI_LOW_DOSE_DN
                                                                                            GSE37416_CTRL_VS_3H_F_TULARENSIS_LVS_NEUTROPHIL_DN, GSE37416_CTRL_VS_3H_F_TULARENSIS_LVS_NEUTROPHIL_DN
                                                                                            GSE10325_CD4_TCELL_VS_LUPUS_CD4_TCELL_DN, GSE10325_CD4_TCELL_VS_LUPUS_CD4_TCELL_DN
                                                                                            GSE21360_SECONDARY_VS_QUATERNARY_MEMORY_CD8_TCELL_UP, GSE21360_SECONDARY_VS_QUATERNARY_MEMORY_CD8_TCELL_UP
                                                                                             GSE39820_TGFBETA1_VS_TGFBETA3_IN_IL6_TREATED_CD4_TCELL_DN, GSE39820_TGFBETA1_VS_TGFBETA3_IN_IL6_TREATED_CD4_TCELL_DN
                                                                                             GSE23505_UNTREATED_VS_4DAY_IL6_IL1_TGFB_TREATED_CD4_TCELL_UP, GSE23505_UNTREATED_VS_4DAY_IL6_IL1_TGFB_TREATED_CD4_TCELL_UP
                                                                                             GSE1448_CTRL_VS_ANTI_VALPHA2_DP_THYMOCYTE_UP, GSE1448_CTRL_VS_ANTI_VALPHA2_DP_THYMOCYTE_UP
                                                                                             GSE17580_UNINFECTED_VS_S_MANSONI_INF_TEFF_DN, GSE17580_UNINFECTED_VS_S_MANSONI_INF_TEFF_DN
                                                                                             GSE15330_LYMPHOID_MULTIPOTENT_VS_GRANULOCYTE_MONOCYTE_PROGENITOR_UP, GSE15330_LYMPHOID_MULTIPOTENT_VS_GRANULOCYTE_MONOCYTE_PROGENITOR_UP
                                                                                             GSE6875_WT_VS_FOXP3_KO_TREG_UP, GSE6875_WT_VS_FOXP3_KO_TREG_UP
                                                                                             GSE5503_MLN_DC_VS_PLN_DC_ACTIVATED_ALLOGENIC_TCELL_UP, GSE5503_MLN_DC_VS_PLN_DC_ACTIVATED_ALLOGENIC_TCELL_UP
                                                                                             GSE7548_NAIVE_VS_DAY28_PCC_IMMUNIZATION_CD4_TCELL_UP, GSE7548_NAIVE_VS_DAY28_PCC_IMMUNIZATION_CD4_TCELL_UP
                                                                                             GSE12839_CTRL_VS_IL12_TREATED_PBMC_UP, GSE12839_CTRL_VS_IL12_TREATED_PBMC_UP
                                                                                             GSE24634_IL4_VS_CTRL_TREATED_NAIVE_CD4_TCELL_DAY10_UP, GSE24634_IL4_VS_CTRL_TREATED_NAIVE_CD4_TCELL_DAY10_UP
                                                                                             GSE15659_RESTING_VS_ACTIVATED_TREG_DN, GSE15659_RESTING_VS_ACTIVATED_TREG_DN
                                                                                             GSE46606_IRF4HIGH_VS_WT_CD40L_IL2_IL5_DAY1_STIMULATED_BCELL_DN, GSE46606_IRF4HIGH_VS_WT_CD40L_IL2_IL5_DAY1_STIMULATED_BCELL_DN
                                                                                            GSE22611_MUTANT_NOD2_VS_CTRL_TRANSDUCED_HEK293T_CELL_UP, GSE22611_MUTANT_NOD2_VS_CTRL_TRANSDUCED_HEK293T_CELL_UP
CD4_TCELL_VS_12H_ACT_TH2_DN, GSE22886_NAIVE_CD4_TCELL_VS_12H_ACT_TH2_DN
                                                                                            GSE25677_MPL_VS_R848_STIM_BCELL_UP, GSE25677_MPL_VS_R848_STIM_BCELL_UP
                                                                                             GSE42088_UNINF_VS_LEISHMANIA_INF_DC_8H_DN, GSE42088_UNINF_VS_LEISHMANIA_INF_DC_8H_DN
                                                                                             GSE42021_TCONV_PLN_VS_CD24LO_TCONV_THYMUS_UP, GSE42021_TCONV_PLN_VS_CD24LO_TCONV_THYMUS_UP
                                                                                             GSE34515_CD16_NEG_VS_POS_MONOCYTE_UP, GSE34515_CD16_NEG_VS_POS_MONOCYTE_UP
                                                                                             GSE43863_DAY6_EFF_VS_DAY150_MEM_TFH_CD4_TCELL_DN, GSE43863_DAY6_EFF_VS_DAY150_MEM_TFH_CD4_TCELL_DN
                                                                                             GSE21670_UNTREATED_VS_TGFB_IL6_TREATED_CD4_TCELL_DN, GSE21670_UNTREATED_VS_TGFB_IL6_TREATED_CD4_TCELL_DN
                                                                                             GSE17974 IL4 AND ANTI IL12 VS UNTREATED 4H ACT CD4 TCELL UP, GSE17974 IL4 AND ANTI IL12 VS UNTREATED 4H ACT CD4 TCELL UP
                                                                                             GSE25677_MPL_VS_MPL_AND_R848_STIM_BCELL_UP, GSE25677_MPL_VS_MPL_AND_R848_STIM_BCELL_UP
                                                                                             GSE17721_PAM3CSK4_VS_CPG_24H_BMDC_UP, GSE17721_PAM3CSK4_VS_CPG_24H_BMDC_UP
                                                                                             GSE29949_CD8_POS_DC_SPLEEN_VS_DC_BRAIN_DN, GSE29949_CD8_POS_DC_SPLEEN_VS_DC_BRAIN_DN
                                                                                             GSE7460_CTRL_VS_FOXP3_OVEREXPR_TCONV_DN, GSE7460_CTRL_VS_FOXP3_OVEREXPR_TCONV_DN
                                                                                             GSE9878_CTRL_VS_EBF_TRANSDUCED_PAX5_KO_PRO_BCELL_UP, GSE9878_CTRL_VS_EBF_TRANSDUCED_PAX5_KO_PRO_BCELL_UP
                                                                                             GSE7460_FOXP3_MUT_VS_WT_ACT_TCONV_DN, GSE7460_FOXP3_MUT_VS_WT_ACT_TCONV_DN
                                                                                             GSE29618_PRE_VS_DAY7_FLU_VACCINE_PDC_UP, GSE29618_PRE_VS_DAY7_FLU_VACCINE_PDC_UP
                                                                                             GSE17721_PAM3CSK4_VS_CPG_0.5H_BMDC_DN, GSE17721_PAM3CSK4_VS_CPG_0.5H_BMDC_DN
                                                                                             GSE29949_CD8_NEG_DC_SPLEEN_VS_MONOCYTE_BONE_MARROW_DN, GSE29949_CD8_NEG_DC_SPLEEN_VS_MONOCYTE_BONE_MARROW_DN
                                                                                            GSE15659_NAIVE_CD4_TCELL_VS_ACTIVATED_TREG_UP, GSE15659_NAIVE_CD4_TCELL_VS_ACTIVATED_TREG_UP
                                                                                            GSE9946_IMMATURE_VS_LISTERIA_INF_MATURE_DC_DN, GSE9946_IMMATURE_VS_LISTERIA_INF_MATURE_DC_DN
                                                                                            GSE16386_IL4_VS_IL4_AND_ROSIGLITAZONE_STIM_MACROPHAGE_6H_DN, GSE16386_IL4_VS_IL4_AND_ROSIGLITAZONE_STIM_MACROPHAGE_6H_DN
                                                                                            GSE13411_NAIVE_VS_MEMORY_BCELL_UP, GSE13411_NAIVE_VS_MEMORY_BCELL_UP
                                                                                            GSE17721_LPS_VS_POLYIC_4H_BMDC_UP, GSE17721_LPS_VS_POLYIC_4H_BMDC_UP
                                                                                            GSE2826_XID_VS_BTK_KO_BCELL_DN, GSE2826_XID_VS_BTK_KO_BCELL_DN
                                                                                            GSE43955_TH0_VS_TGFB_IL6_TH17_ACT_CD4_TCELL_30H_DN, GSE43955_TH0_VS_TGFB_IL6_TH17_ACT_CD4_TCELL_30H_DN
                                                                                            GSE15659 NAIVE VS PTPRC NEG CD4 TCELL DN, GSE15659 NAIVE VS PTPRC NEG CD4 TCELL DN
                                                                                            GSE43955_1H_VS_60H_ACT_CD4_TCELL_WITH_TGFB_IL6_DN, GSE43955_1H_VS_60H_ACT_CD4_TCELL_WITH_TGFB_IL6_DN
                                                                                            GSE9006_HEALTHY_VS_TYPE_1_DIABETES_PBMC_AT_DX_DN, GSE9006_HEALTHY_VS_TYPE_1_DIABETES_PBMC_AT_DX_DN
                                                                                             GSE42021_CD24INT_VS_CD24LOW_TREG_THYMUS_UP, GSE42021_CD24INT_VS_CD24LOW_TREG_THYMUS_UP
                                                                                             GSE29949 MICROGLIA BRAIN VS MONOCYTE BONE MARROW UP, GSE29949 MICROGLIA BRAIN VS MONOCYTE BONE MARROW UP
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GSE27859\_MACROPHAGE\_VS\_DC\_DN, GSE27859\_MACROPHAGE\_VS\_DC\_DN GSE16385\_ROSIGLITAZONE\_IL4\_VS\_IFNG\_TNF\_STIM\_MACROPHAGE\_DN, GSE16385\_ROSIGLITAZONE\_IL4\_VS\_IFNG\_TNF\_STIM\_MACROPHAGE\_DN CAO\_BLOOD\_FLUZONE\_AGE\_05\_14YO\_30DY\_DN, CAO\_BLOOD\_FLUZONE\_AGE\_05\_14YO\_30DY\_DN GSE22601\_DOUBLE\_NEGATIVE\_VS\_CD8\_SINGLE\_POSITIVE\_THYMOCYTE\_UP, GSE22601\_DOUBLE\_NEGATIVE\_VS\_CD8\_SINGLE\_POSITIVE\_THYMOCYTE\_UP GSE21380\_NON\_TFH\_VS\_GERMINAL\_CENTER\_TFH\_CD4\_TCELL\_UP, GSE21380\_NON\_TFH\_VS\_GERMINAL\_CENTER\_TFH\_CD4\_TCELL\_UP GSE21670\_UNTREATED\_VS\_TGFB\_TREATED\_STAT3\_KO\_CD4\_TCELL\_UP, GSE21670\_UNTREATED\_VS\_TGFB\_TREATED\_STAT3\_KO\_CD4\_TCELL\_UP GSE22501\_PERIPHERAL\_BLOOD\_VS\_CORD\_BLOOD\_TREG\_DN, GSE22501\_PERIPHERAL\_BLOOD\_VS\_CORD\_BLOOD\_TREG\_DN GSE15659 NAIVE CD4 TCELL VS NONSUPPRESSIVE TCELL DN, GSE15659 NAIVE CD4 TCELL VS NONSUPPRESSIVE TCELL DN GSE17974\_IL4\_AND\_ANTI\_IL12\_VS\_UNTREATED\_24H\_ACT\_CD4\_TCELL\_UP, GSE17974\_IL4\_AND\_ANTI\_IL12\_VS\_UNTREATED\_24H\_ACT\_CD4\_TCELL\_UP GSE20366\_EX\_VIVO\_VS\_DEC205\_CONVERSION\_NAIVE\_CD4\_TCELL\_DN, GSE20366\_EX\_VIVO\_VS\_DEC205\_CONVERSION\_NAIVE\_CD4\_TCELL\_DN GSE25123\_CTRL\_VS\_IL4\_STIM\_PPARG\_KO\_MACROPHAGE\_DN, GSE25123\_CTRL\_VS\_IL4\_STIM\_PPARG\_KO\_MACROPHAGE\_DN GSE19512 NAUTRAL VS INDUCED TREG DN, GSE19512 NAUTRAL VS INDUCED TREG DN GSE22886 TH1 VS TH2 12H ACT UP, GSE22886 TH1 VS TH2 12H ACT UP GSE15659\_CD45RA\_NEG\_CD4\_TCELL\_VS\_RESTING\_TREG\_DN, GSE15659\_CD45RA\_NEG\_CD4\_TCELL\_VS\_RESTING\_TREG\_DN GSE18791\_UNSTIM\_VS\_NEWCATSLE\_VIRUS\_DC\_18H\_DN, GSE18791\_UNSTIM\_VS\_NEWCATSLE\_VIRUS\_DC\_18H\_DN GSE29164\_DAY3\_VS\_DAY7\_CD8\_TCELL\_TREATED\_MELANOMA\_DN, GSE29164\_DAY3\_VS\_DAY7\_CD8\_TCELL\_TREATED\_MELANOMA\_DN GSE45365\_NK\_CELL\_VS\_CD8A\_DC\_DN, GSE45365\_NK\_CELL\_VS\_CD8A\_DC\_DN GSE17721\_LPS\_VS\_CPG\_24H\_BMDC\_UP, GSE17721\_LPS\_VS\_CPG\_24H\_BMDC\_UP GSE27786\_BCELL\_VS\_ERYTHROBLAST\_DN, GSE27786\_BCELL\_VS\_ERYTHROBLAST\_DN GSE9006 HEALTHY VS TYPE 1 DIABETES PBMC 4MONTH POST DX DN, GSE9006 HEALTHY VS TYPE 1 DIABETES PBMC 4MONTH POST DX DN GSE13547\_CTRL\_VS\_ANTI\_IGM\_STIM\_BCELL\_2H\_DN, GSE13547\_CTRL\_VS\_ANTI\_IGM\_STIM\_BCELL\_2H\_DN GSE21927 SPLEEN VS C26GM TUMOR MONOCYTE BALBC UP, GSE21927 SPLEEN VS C26GM TUMOR MONOCYTE BALBC UP GSE41978\_WT\_VS\_ID2\_KO\_KLRG1\_LOW\_EFFECTOR\_CD8\_TCELL\_UP, GSE41978\_WT\_VS\_ID2\_KO\_KLRG1\_LOW\_EFFECTOR\_CD8\_TCELL\_UP GSE360\_L\_DONOVANI\_VS\_M\_TUBERCULOSIS\_MAC\_UP, GSE360\_L\_DONOVANI\_VS\_M\_TUBERCULOSIS\_MAC\_UP GSE46606\_IRF4HIGH\_VS\_IRF4MID\_CD40L\_IL2\_IL5\_DAY1\_STIMULATED\_BCELL\_DN, GSE46606\_IRF4HIGH\_VS\_IRF4MID\_CD40L\_IL2\_IL5\_DAY1\_STIMULATED\_BCELL\_DN GSE36078\_UNTREATED\_VS\_AD5\_T425A\_HEXON\_INF\_IL1R\_KO\_MOUSE\_LUNG\_DC\_UP, GSE36078\_UNTREATED\_VS\_AD5\_T425A\_HEXON\_INF\_IL1R\_KO\_MOUSE\_LUNG\_DC\_UP GSE34156\_NOD2\_LIGAND\_VS\_NOD2\_AND\_TLR1\_TLR2\_LIGAND\_6H\_TREATED\_MONOCYTE\_DN, GSE34156\_NOD2\_LIGAND\_VS\_NOD2\_AND\_TLR1\_TLR2\_LIGAND\_6H\_TREATED\_MONOCYTE\_DN GSE11961\_GERMINAL\_CENTER\_BCELL\_DAY7\_VS\_MEMORY\_BCELL\_DAY40\_UP, GSE11961\_GERMINAL\_CENTER\_BCELL\_DAY7\_VS\_MEMORY\_BCELL\_DAY40\_UP GSE22886\_TH1\_VS\_TH2\_12H\_ACT\_DN, GSE22886\_TH1\_VS\_TH2\_12H\_ACT\_DN GSE7460\_CTRL\_VS\_FOXP3\_OVEREXPR\_TCONV\_UP, GSE7460\_CTRL\_VS\_FOXP3\_OVEREXPR\_TCONV\_UP GSE43955\_TH0\_VS\_TGFB\_IL6\_TH17\_ACT\_CD4\_TCELL\_60H\_UP, GSE43955\_TH0\_VS\_TGFB\_IL6\_TH17\_ACT\_CD4\_TCELL\_60H\_UP GSE24634\_NAIVE\_CD4\_TCELL\_VS\_DAY10\_IL4\_CONV\_TREG\_UP, GSE24634\_NAIVE\_CD4\_TCELL\_VS\_DAY10\_IL4\_CONV\_TREG\_UP GSE1432 CTRL VS IFNG 1H MICROGLIA DN, GSE1432 CTRL VS IFNG 1H MICROGLIA DN GSE360\_DC\_VS\_MAC\_L\_MAJOR\_UP, GSE360\_DC\_VS\_MAC\_L\_MAJOR\_UP GSE26488\_CTRL\_VS\_PEPTIDE\_INJECTION\_OT2\_THYMOCYTE\_UP, GSE26488\_CTRL\_VS\_PEPTIDE\_INJECTION\_OT2\_THYMOCYTE\_UP GSE46606\_UNSTIM\_VS\_CD40L\_IL2\_IL5\_3DAY\_STIMULATED\_IRF4HIGH\_SORTED\_BCELL\_DN, GSE46606\_UNSTIM\_VS\_CD40L\_IL2\_IL5\_3DAY\_STIMULATED\_IRF4HIGH\_SORTED\_BCELL\_DN GSE28726\_NAIVE\_VS\_ACTIVATED\_VA24NEG\_NKTCELL\_DN, GSE28726\_NAIVE\_VS\_ACTIVATED\_VA24NEG\_NKTCELL\_DN GSE22935\_UNSTIM\_VS\_48H\_MBOVIS\_BCG\_STIM\_MYD88\_KO\_MACROPHAGE\_DN, GSE22935\_UNSTIM\_VS\_48H\_MBOVIS\_BCG\_STIM\_MYD88\_KO\_MACROPHAGE\_DN GSE29949\_CD8\_POS\_DC\_SPLEEN\_VS\_MONOCYTE\_BONE\_MARROW\_UP, GSE29949\_CD8\_POS\_DC\_SPLEEN\_VS\_MONOCYTE\_BONE\_MARROW\_UP GSE15659 RESTING TREG VS NONSUPPRESSIVE TCELL DN, GSE15659 RESTING TREG VS NONSUPPRESSIVE TCELL DN GSE8515\_CTRL\_VS\_IL1\_4H\_STIM\_MAC\_DN, GSE8515\_CTRL\_VS\_IL1\_4H\_STIM\_MAC\_DN GSE20715 OH VS 6H OZONE TLR4 KO LUNG UP, GSE20715 OH VS 6H OZONE TLR4 KO LUNG UP

GSE29618\_LAIV\_VS\_TIV\_FLU\_VACCINE\_DAY7\_MDC\_DN, GSE29618\_LAIV\_VS\_TIV\_FLU\_VACCINE\_DAY7\_MDC\_DN

GSE1112\_HY\_CD8AB\_VS\_HY\_CD8AA\_THYMOCYTE\_RTOC\_CULTURE\_UP, GSE1112\_HY\_CD8AB\_VS\_HY\_CD8AA\_THYMOCYTE\_RTOC\_CULTURE\_UP

GSE10422\_WT\_VS\_BAFF\_TRANSGENIC\_LN\_BCELL\_DN, GSE10422\_WT\_VS\_BAFF\_TRANSGENIC\_LN\_BCELL\_DN GSE26928\_EFF\_MEM\_VS\_CENTR\_MEM\_CD4\_TCELL\_UP, GSE26928\_EFF\_MEM\_VS\_CENTR\_MEM\_CD4\_TCELL\_UP

GSE18148\_CBFB\_KO\_VS\_WT\_TREG\_DN, GSE18148\_CBFB\_KO\_VS\_WT\_TREG\_DN

GSE10325\_BCELL\_VS\_LUPUS\_BCELL\_UP, GSE10325\_BCELL\_VS\_LUPUS\_BCELL\_UP

GSE6269\_HEALTHY\_VS\_E\_COLI\_INF\_PBMC\_DN, GSE6269\_HEALTHY\_VS\_E\_COLI\_INF\_PBMC\_DN

GARCIA\_PINERES\_PBMC\_HPV\_16\_L1\_VLP\_AGE\_18\_25YO\_7MO\_CORRELATED\_WITH\_ANTIBODY\_RESPONSE\_POSITIVE, GARCIA\_PINERES\_PBMC\_HPV\_16\_L1\_VLP\_AGE\_18\_25YO\_7MO\_CORRELATED\_WITH\_ANTIBODY\_RESPONSE\_POSITIVE GSE16450 CTRL VS IFNA 12H STIM IMMATURE NEURON CELL LINE DN, GSE16450 CTRL VS IFNA 12H STIM IMMATURE NEURON CELL LINE DN GSE13306\_RA\_VS\_UNTREATED\_TREG\_DN, GSE13306\_RA\_VS\_UNTREATED\_TREG\_DN GSE23505\_UNTREATED\_VS\_4DAY\_IL6\_IL1\_TREATED\_CD4\_TCELL\_DN, GSE23505\_UNTREATED\_VS\_4DAY\_IL6\_IL1\_TREATED\_CD4\_TCELL\_DN GSE5099 DAY3 VS DAY7 MCSF TREATED MACROPHAGE DN. GSE5099 DAY3 VS DAY7 MCSF TREATED MACROPHAGE DN GSE29949\_CD8\_NEG\_DC\_SPLEEN\_VS\_CD8\_POS\_DC\_SPLEEN\_UP, GSE29949\_CD8\_NEG\_DC\_SPLEEN\_VS\_CD8\_POS\_DC\_SPLEEN\_UP GSE3982\_DC\_VS\_CENT\_MEMORY\_CD4\_TCELL\_DN, GSE3982\_DC\_VS\_CENT\_MEMORY\_CD4\_TCELL\_DN GSE43863\_TFH\_VS\_LY6C\_INT\_CXCR5POS\_MEMORY\_CD4\_TCELL\_DN, GSE43863\_TFH\_VS\_LY6C\_INT\_CXCR5POS\_MEMORY\_CD4\_TCELL\_DN GSE37605\_NOD\_VS\_C57BL6\_IRES\_GFP\_TREG\_UP, GSE37605\_NOD\_VS\_C57BL6\_IRES\_GFP\_TREG\_UP QI\_PBMC\_ZOSTAVAX\_AGE\_50\_75YO\_1DY\_UP, QI\_PBMC\_ZOSTAVAX\_AGE\_50\_75YO\_1DY\_UP GSE36476 YOUNG VS OLD DONOR MEMORY CD4 TCELL 16H TSST ACT DN, GSE36476 YOUNG VS OLD DONOR MEMORY CD4 TCELL 16H TSST ACT DN GSE339\_CD4POS\_VS\_CD4CD8DN\_DC\_IN\_CULTURE\_UP, GSE339\_CD4POS\_VS\_CD4CD8DN\_DC\_IN\_CULTURE\_UP GSE4984 LPS VS VEHICLE CTRL TREATED DC UP, GSE4984 LPS VS VEHICLE CTRL TREATED DC UP GSE45365 NK CELL VS CD11B DC UP, GSE45365 NK CELL VS CD11B DC UP GSE9006 TYPE 1 DIABETES AT DX VS 4MONTH POST DX PBMC DN, GSE9006 TYPE 1 DIABETES AT DX VS 4MONTH POST DX PBMC DN GSE15659 TREG VS TCONV UP, GSE15659 TREG VS TCONV UP GSE41867\_NAIVE\_VS\_DAY8\_LCMV\_CLONE13\_EFFECTOR\_CD8\_TCELL\_DN, GSE41867\_NAIVE\_VS\_DAY8\_LCMV\_CLONE13\_EFFECTOR\_CD8\_TCELL\_DN GSE40274\_CTRL\_VS\_FOXP3\_AND\_SATB1\_TRANSDUCED\_ACTIVATED\_CD4\_TCELL\_DN, GSE40274\_CTRL\_VS\_FOXP3\_AND\_SATB1\_TRANSDUCED\_ACTIVATED\_CD4\_TCELL\_DN GSE35685\_CD34POS\_CD38NEG\_VS\_CD34POS\_CD10NEG\_CD62LPOS\_BONE\_MARROW\_DN, GSE35685\_CD34POS\_CD38NEG\_VS\_CD34POS\_CD10NEG\_CD62LPOS\_BONE\_MARROW\_DN GSE13485\_CTRL\_VS\_DAY7\_YF17D\_VACCINE\_PBMC\_UP, GSE13485\_CTRL\_VS\_DAY7\_YF17D\_VACCINE\_PBMC\_UP GSE8921\_UNSTIM\_0H\_VS\_TLR1\_2\_STIM\_MONOCYTE\_24H\_UP, GSE8921\_UNSTIM\_0H\_VS\_TLR1\_2\_STIM\_MONOCYTE\_24H\_UP GSE43956 WT VS SGK1 KO TH17 DIFFERENTIATED CD4 TCELL UP, GSE43956 WT VS SGK1 KO TH17 DIFFERENTIATED CD4 TCELL UP GSE23114 PERITONEAL CAVITY B1A BCELL VS SPLEEN BCELL UP, GSE23114 PERITONEAL CAVITY B1A BCELL VS SPLEEN BCELL UP GSE32423\_CTRL\_VS\_IL7\_MEMORY\_CD8\_TCELL\_UP, GSE32423\_CTRL\_VS\_IL7\_MEMORY\_CD8\_TCELL\_UP GSE360\_L\_DONOVANI\_VS\_B\_MALAYI\_HIGH\_DOSE\_MAC\_UP, GSE360\_L\_DONOVANI\_VS\_B\_MALAYI\_HIGH\_DOSE\_MAC\_UP THAKAR\_PBMC\_INACTIVATED\_INFLUENZA\_AGE\_70PLS\_VS\_21\_30YO\_0DY\_UP, THAKAR\_PBMC\_INACTIVATED\_INFLUENZA\_AGE\_70PLS\_VS\_21\_30YO\_0DY\_UP CAO\_BLOOD\_FLUMIST\_AGE\_05\_14YO\_1DY\_DN, CAO\_BLOOD\_FLUMIST\_AGE\_05\_14YO\_1DY\_DN GSE17721\_LPS\_VS\_GARDIQUIMOD\_1H\_BMDC\_UP, GSE17721\_LPS\_VS\_GARDIQUIMOD\_1H\_BMDC\_UP GSE32901\_TH1\_VS\_TH17\_NEG\_CD4\_TCELL\_DN, GSE32901\_TH1\_VS\_TH17\_NEG\_CD4\_TCELL\_DN GSE13522\_CTRL\_VS\_T\_CRUZI\_Y\_STRAIN\_INF\_SKIN\_129\_MOUSE\_DN, GSE13522\_CTRL\_VS\_T\_CRUZI\_Y\_STRAIN\_INF\_SKIN\_129\_MOUSE\_DN GSE3203\_HEALTHY\_VS\_INFLUENZA\_INFECTED\_LN\_BCELL\_DN, GSE3203\_HEALTHY\_VS\_INFLUENZA\_INFECTED\_LN\_BCELL\_DN GSE14350\_TREG\_VS\_TEFF\_DN, GSE14350\_TREG\_VS\_TEFF\_DN GSE360\_L\_MAJOR\_VS\_B\_MALAYI\_LOW\_DOSE\_MAC\_UP, GSE360\_L\_MAJOR\_VS\_B\_MALAYI\_LOW\_DOSE\_MAC\_UP GSE15659\_NAIVE\_CD4\_TCELL\_VS\_ACTIVATED\_TREG\_DN, GSE15659\_NAIVE\_CD4\_TCELL\_VS\_ACTIVATED\_TREG\_DN HOWARD\_DENDRITIC\_CELL\_INACT\_MONOV\_INFLUENZA\_A\_INDONESIA\_05\_2005\_H5N1\_AGE\_18\_49YO\_3DY\_UP, HOWARD\_DENDRITIC\_CELL\_INACT\_MONOV\_INFLUENZA\_A\_INDONESIA\_05\_2005\_H5N1\_AGE\_18\_49YO\_3DY\_UP GSE25147\_UNSTIM\_VS\_HELIOBACTER\_PYLORI\_LPS\_STIM\_MKN45\_CELL\_DN, GSE25147\_UNSTIM\_VS\_HELIOBACTER\_PYLORI\_LPS\_STIM\_MKN45\_CELL\_DN GSE26928\_EFF\_MEMORY\_VS\_CXCR5\_POS\_CD4\_TCELL\_DN, GSE26928\_EFF\_MEMORY\_VS\_CXCR5\_POS\_CD4\_TCELL\_DN GSE29164\_CD8\_TCELL\_VS\_CD8\_TCELL\_AND\_IL12\_TREATED\_MELANOMA\_DAY7\_DN, GSE29164\_CD8\_TCELL\_VS\_CD8\_TCELL\_AND\_IL12\_TREATED\_MELANOMA\_DAY7\_DN GSE12507\_PDC\_CELL\_LINE\_VS\_IMMATUE\_T\_CELL\_LINE\_DN, GSE12507\_PDC\_CELL\_LINE\_VS\_IMMATUE\_T\_CELL\_LINE\_DN GSE2706\_R848\_VS\_R848\_AND\_LPS\_8H\_STIM\_DC\_DN, GSE2706\_R848\_VS\_R848\_AND\_LPS\_8H\_STIM\_DC\_DN GSE29615\_CTRL\_VS\_LAIV\_FLU\_VACCINE\_PBMC\_UP, GSE29615\_CTRL\_VS\_LAIV\_FLU\_VACCINE\_PBMC\_UP GSE13762\_CTRL\_VS\_125\_VITAMIND\_DAY12\_DC\_DN, GSE13762\_CTRL\_VS\_125\_VITAMIND\_DAY12\_DC\_DN GSE9006\_HEALTHY\_VS\_TYPE\_1\_DIABETES\_PBMC\_1MONTH\_POST\_DX\_DN, GSE9006\_HEALTHY\_VS\_TYPE\_1\_DIABETES\_PBMC\_1MONTH\_POST\_DX\_DN GSE2585\_CD80\_HIGH\_VS\_LOW\_MTEC\_DN, GSE2585\_CD80\_HIGH\_VS\_LOW\_MTEC\_DN RICHERT\_PBMC\_HIV\_LIPO\_5\_AGE\_37\_48YO\_STIMULATED\_VS\_UNSTIMULATED\_14W\_INTERFERON\_SUBSET\_UP, RICHERT\_PBMC\_HIV\_LIPO\_5\_AGE\_37\_48YO\_STIMULATED\_VS\_UNSTIMULATED\_14W\_INTERFERON\_SUBSET\_UP GSE13522\_WT\_VS\_IFNAR\_KO\_SKING\_T\_CRUZI\_Y\_STRAIN\_INF\_DN, GSE13522\_WT\_VS\_IFNAR\_KO\_SKING\_T\_CRUZI\_Y\_STRAIN\_INF\_DN MATSUMIYA\_PBMC\_MODIFIED\_VACCINIA\_ANKARA\_VACCINE\_AGE\_4\_6MO\_BCG\_PRIMED\_28DY\_UP, MATSUMIYA\_PBMC\_MODIFIED\_VACCINIA\_ANKARA\_VACCINE\_AGE\_4\_6MO\_BCG\_PRIMED\_28DY\_UP GSE15659\_CD45RA\_NEG\_CD4\_TCELL\_VS\_RESTING\_TREG\_UP, GSE15659\_CD45RA\_NEG\_CD4\_TCELL\_VS\_RESTING\_TREG\_UP GSE35825\_UNTREATED\_VS\_IFNA\_STIM\_MACROPHAGE\_DN, GSE35825\_UNTREATED\_VS\_IFNA\_STIM\_MACROPHAGE\_DN GSE19941\_IL10\_KO\_VS\_IL10\_KO\_AND\_NFKBP50\_KO\_LPS\_STIM\_MACROPHAGE\_UP, GSE19941\_IL10\_KO\_VS\_IL10\_KO\_AND\_NFKBP50\_KO\_LPS\_STIM\_MACROPHAGE\_UP FULLER\_PBMC\_F\_TULARENSIS\_VACCINE\_LVS\_AGE\_22\_54YO\_336HR\_UP, FULLER\_PBMC\_F\_TULARENSIS\_VACCINE\_LVS\_AGE\_22\_54YO\_336HR\_UP GSE12198\_LOW\_IL2\_STIM\_NK\_CELL\_VS\_HIGH\_IL2\_STIM\_NK\_CELL\_DN, GSE12198\_LOW\_IL2\_STIM\_NK\_CELL\_VS\_HIGH\_IL2\_STIM\_NK\_CELL\_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

MATSUMIYA\_BLOOD\_MODIFIED\_VACCINIA\_ANKARA\_VACCINE\_AGE\_4\_6MO\_VACCINATED\_VS\_CANDIN\_PLACEBO\_BCG\_PRIMED\_1DY\_UP, MATSUMIYA\_BLOOD\_BCG\_PRIMED\_1DY\_UP, MATSUMIYA\_BCG\_PRIMED\_1DY\_UP, MA