```
GSE37532_TREG_VS_TCONV_CD4_TCELL_FROM_LN_UP, GSE37532_TREG_VS_TCONV_CD4_TCELL_FROM_LN_UP
                                                                                                     GSE6259_FLT3L_INDUCED_33D1_POS_DC_VS_BCELL_UP, GSE6259_FLT3L_INDUCED_33D1_POS_DC_VS_BCELL_UP
                                                                                                     GSE24210_CTRL_VS_IL35_TREATED_TCONV_CD4_TCELL_DN, GSE24210_CTRL_VS_IL35_TREATED_TCONV_CD4_TCELL_DN
                                                                                                     GSE41867_NAIVE_VS_EFFECTOR_CD8_TCELL_DN, GSE41867_NAIVE_VS_EFFECTOR_CD8_TCELL_DN
                                                                                                     GSE24210_RESTING_TREG_VS_TCONV_DN, GSE24210_RESTING_TREG_VS_TCONV_DN
                                                                                                     GSE43863 TH1_VS_TFH_MEMORY_CD4_TCELL_UP, GSE43863 TH1_VS_TFH_MEMORY_CD4_TCELL_UP
                                                                                                     GSE43863_NAIVE_VS_MEMORY_TFH_CD4_TCELL_D150_LCMV_DN, GSE43863_NAIVE_VS_MEMORY_TFH_CD4_TCELL_D150_LCMV_DN
                                                                                                     GSE36888_UNTREATED_VS_IL2_TREATED_STAT5_AB_KNOCKIN_TCELL_6H_DN, GSE36888_UNTREATED_VS_IL2_TREATED_STAT5_AB_KNOCKIN_TCELL_6H_DN
                                                                                                     GSE37532_TREG_VS_TCONV_PPARG_KO_CD4_TCELL_FROM_LN_DN, GSE37532_TREG_VS_TCONV_PPARG_KO_CD4_TCELL_FROM_LN_DN
                                                                                                     GSE7764_IL15_TREATED_VS_CTRL_NK_CELL_24H_UP, GSE7764_IL15_TREATED_VS_CTRL_NK_CELL_24H_UP
                                                                                                     GSE369_IFNG_KO_VS_WT_LIVER_DN, GSE369_IFNG_KO_VS_WT_LIVER_DN
                                                                                                     GSE27859 DC_VS_CD11C_INT_F480_INT_DC_DN, GSE27859 DC_VS_CD11C_INT_F480_INT_DC_DN
                                                                                                     GSE43863_TH1_VS_LY6C_INT_CXCR5POS_MEMORY_CD4_TCELL_UP, GSE43863_TH1_VS_LY6C_INT_CXCR5POS_MEMORY_CD4_TCELL_UP
                                                                                                     GSE22432_MULTIPOTENT_VS_COMMON_DC_PROGENITOR_UNTREATED_DN, GSE22432_MULTIPOTENT_VS_COMMON_DC_PROGENITOR_UNTREATED_DN
                                                                                                     GSE3982_NEUTROPHIL_VS_TH1_DN, GSE3982_NEUTROPHIL_VS_TH1_DN
                                                                                                     GSE4142_NAIVE_VS_GC_BCELL_DN, GSE4142_NAIVE_VS_GC_BCELL_DN
                                                                                                     GSE22611_NOD2_TRANSDUCED_VS_CTRL_HEK293T_STIMULATED_WITH_MDP_2H_DN, GSE22611_NOD2_TRANSDUCED_VS_CTRL_HEK293T_STIMULATED_WITH_MDP_2H_DN
                                                                                                     GSE27859_DC_VS_CD11C_INT_F480_HI_MACROPHAGE_UP, GSE27859_DC_VS_CD11C_INT_F480_HI_MACROPHAGE_UP
                                                                                                    GSE46606_UNSTIM_VS_CD40L_IL2_IL5_DAY3_STIMULATED_BCELL_DN, GSE46606_UNSTIM_VS_CD40L_IL2_IL5_DAY3_STIMULATED_BCELL_DN
                                                                                                     GSE11973 MIR223 KOVS WT BONE MARROW NEUTROPHIL DN, GSE11973 MIR223 KOVS WT BONE MARROW NEUTROPHIL DN
                                                                                                     GSE22033 UNTREATED VS ROSIGLITAZONE TREATED MEF UP, GSE22033 UNTREATED VS ROSIGLITAZONE TREATED MEF UP
                                                                                                     GSE3982 MAST_CELL_VS_NEUTROPHIL_UP, GSE3982 MAST_CELL_VS_NEUTROPHIL_UP
                                                                                                     GSE2770 UNTREATED VS ACT CD4 TCELL 2H DN, GSE2770 UNTREATED VS ACT CD4 TCELL 2H DN
                                                                                                     GSE39820 CTRL VS TGFBETA3 IL6 CD4 TCELL UP, GSE39820 CTRL VS TGFBETA3 IL6 CD4 TCELL UP
                                                                                                     GSE20198_UNTREATED_VS_IFNA_TREATED_ACT_CD4_TCELL_DN, GSE20198_UNTREATED_VS_IFNA_TREATED_ACT_CD4_TCELL_DN
                                                                                                     GSE40274_XBP1_VS_FOXP3_AND_XBP1_TRANSDUCED_ACTIVATED_CD4_TCELL_DN, GSE40274_XBP1_VS_FOXP3_AND_XBP1_TRANSDUCED_ACTIVATED_CD4_TCELL_DN
                                                                                                     GSE44649_NAIVE_VS_ACTIVATED_CD8_TCELL_MIR155_KO_UP, GSE44649_NAIVE_VS_ACTIVATED_CD8_TCELL_MIR155_KO_UP
                                                                                                     GSE411_UNSTIM_VS_400MIN_IL6_STIM_MACROPHAGE_DN, GSE411_UNSTIM_VS_400MIN_IL6_STIM_MACROPHAGE_DN
                                                                                                     GSE7764 IL15_NK_CELL_24H_VS_SPLENOCYTE_UP, GSE7764_IL15_NK_CELL_24H_VS_SPLENOCYTE_UP
                                                                                                     GSE32986_UNSTIM_VS_CURDLAN_LOWDOSE_STIM_DC_UP, GSE32986_UNSTIM_VS_CURDLAN_LOWDOSE_STIM_DC_UP
                                                                                                     GSE33292_DN3_THYMOCYTE_VS_TCELL_LYMPHOMA_FROM_TCF1_KO_UP, GSE33292_DN3_THYMOCYTE_VS_TCELL_LYMPHOMA_FROM_TCF1_KO_UP
                                                                                                     GSE3039_ALPHABETA_CD8_TCELL_VS_B1_BCELL_DN, GSE3039_ALPHABETA_CD8_TCELL_VS_B1_BCELL_DN
                                                                                                     GSE40274_CTRL_VS_LEF1_TRANSDUCED_ACTIVATED_CD4_TCELL_DN, GSE40274_CTRL_VS_LEF1_TRANSDUCED_ACTIVATED_CD4_TCELL_DN
                                                                                                     GSE4142_PLASMA_CELL_VS_GC_BCELL_DN, GSE4142_PLASMA_CELL_VS_GC_BCELL_DN
                                                                                                     GSE21063_3H_VS_16H_ANTI_IGM_STIM_NFATC1_KOBCELL_DN, GSE21063_3H_VS_16H_ANTI_IGM_STIM_NFATC1_KOBCELL_DN
                                                                                                     GSE17721_POLYIC_VS_PAM3CSK4_6H_BMDC_DN, GSE17721_POLYIC_VS_PAM3CSK4_6H_BMDC_DN
                                                                                                     GSE557_WT_VS_I_AB_KO_DC_DN, GSE557_WT_VS_I_AB_KO_DC_DN
                                                                                                     GSE27786_CD8_TCELL_VS_NKCELL_UP, GSE27786_CD8_TCELL_VS_NKCELL_UP
                                                                                                     GSE5455_EX_VIVO_VS_POST_24H_INCUBATION_MONOCYTES_FROM_TUMOR_BEARING_MOUSE_UP, GSE5455_EX_VIVO_VS_POST_24H_INCUBATION_MONOCYTES_FROM_TUMOR_BEARING_MOUSE_UP
                                                                                                     GSE27786_LSK_VS_CD4_TCELL_UP, GSE27786_LSK_VS_CD4_TCELL_UP
                                                                                                     GSE17721_POLYIC_VS_PAM3CSK4_8H_BMDC_DN, GSE17721_POLYIC_VS_PAM3CSK4_8H_BMDC_DN
                                                                                                     GSE3982_NEUTROPHIL_VS_CENT_MEMORY_CD4_TCELL_DN, GSE3982_NEUTROPHIL_VS_CENT_MEMORY_CD4_TCELL_DN
                                                                                                     GSE24102 GRANULOCYSTIC_MDSC_VS_NEUTROPHIL_DN, GSE24102_GRANULOCYSTIC_MDSC_VS_NEUTROPHIL_DN
                                                                                                     GSE26343_UNSTIM_VS_LPS_STIM_MACROPHAGE_UP, GSE26343_UNSTIM_VS_LPS_STIM_MACROPHAGE_UP
                                                                                                     GSE12198 LOW IL2 STIM NK CELL VS HIGH IL2 STIM NK CELL UP, GSE12198 LOW IL2 STIM NK CELL VS HIGH IL2 STIM NK CELL UP
                                                                                                    GSE17721_CTRL_VS_POLYIC_8H_BMDC_UP, GSE17721_CTRL_VS_POLYIC_8H_BMDC_UP
                                                                                                     GSE3982_EOSINOPHIL_VS_DC_DN, GSE3982_EOSINOPHIL_VS_DC_DN
                                                                                                     GSE19923_WT_VS_HEB_KO_DP_THYMOCYTE_DN, GSE19923_WT_VS_HEB_KO_DP_THYMOCYTE_DN
                                                                                                     GSE20484_MCSG_VS_CXCL4_MONOCYTE_DERIVED_MACROPHAGE_UP, GSE20484_MCSG_VS_CXCL4_MONOCYTE_DERIVED_MACROPHAGE_UP
                                                                                                     GSE12001_MIR223_KO_VS_WT_NEUTROPHIL_UP, GSE12001_MIR223_KO_VS_WT_NEUTROPHIL_UP
                                                                                                     GSE2405_HEAT_KILLED_VS_LIVE_A_PHAGOCYTOPHILUM_STIM_NEUTROPHIL_9H_UP, GSE2405_HEAT_KILLED_VS_LIVE_A_PHAGOCYTOPHILUM_STIM_NEUTROPHIL_9H_UP
                                                                                                     GSE3982_EOSINOPHIL_VS_EFF_MEMORY_CD4_TCELL_DN, GSE3982_EOSINOPHIL_VS_EFF_MEMORY_CD4_TCELL_DN
                                                                                                     GSE26030_TH1_VS_TH17_DAY5_POST_POLARIZATION_DN, GSE26030_TH1_VS_TH17_DAY5_POST_POLARIZATION_DN
                                                                                                     GSE3039_CD4_TCELL_VS_ALPHABETA_CD8_TCELL_DN, GSE3039_CD4_TCELL_VS_ALPHABETA_CD8_TCELL_DN
                                                                                                     GSE17721 0.5H VS 12H LPS BMDC UP, GSE17721 0.5H VS 12H LPS BMDC UP
                                                                                                     GSE40274_CTRL_VS_FOXP3_AND_EOS_TRANSDUCED_ACTIVATED_CD4_TCELL_DN, GSE40274_CTRL_VS_FOXP3_AND_EOS_TRANSDUCED_ACTIVATED_CD4_TCELL_DN
                                                                                                     GSE27786 LIN NEG VS BCELL UP, GSE27786 LIN NEG VS BCELL UP
                                                                                                     GSE3565 DUSP1 VS WT SPLENOCYTES POST LPS INJECTION UP, GSE3565 DUSP1 VS WT SPLENOCYTES POST LPS INJECTION UP
                                                                                                     GSE27786_LIN_NEG_VS_ERYTHROBLAST_UP, GSE27786_LIN_NEG_VS_ERYTHROBLAST_UP
                                                                                                     GSE3982_NEUTROPHIL_VS_EFF_MEMORY_CD4_TCELL_DN, GSE3982_NEUTROPHIL_VS_EFF_MEMORY_CD4_TCELL_DN
                                                                                                     GSE17721_LPS_VS_PAM3CSK4_8H_BMDC_DN, GSE17721_LPS_VS_PAM3CSK4_8H_BMDC_DN
                                                                                                     GSE27786_LIN_NEG_VS_NKTCELL_UP, GSE27786_LIN_NEG_VS_NKTCELL_UP
                                                                                                     GSE17721_POLYIC_VS_PAM3CSK4_24H_BMDC_DN, GSE17721_POLYIC_VS_PAM3CSK4_24H_BMDC_DN
                                                                                                     GSE13493_DP_VS_CD4INTCD8POS_THYMOCYTE_DN, GSE13493_DP_VS_CD4INTCD8POS_THYMOCYTE_DN
                                                                                                     GSE369_SOCS3_KO_VS_WT_LIVER_POST_IL6_INJECTION_UP, GSE369_SOCS3_KO_VS_WT_LIVER_POST_IL6_INJECTION_UP
                                                                                                     GSE41867 DAY8_EFFECTOR_VS_DAY30_EXHAUSTED_CD8_TCELL_LCMV_CLONE13_UP, GSE41867_DAY8_EFFECTOR_VS_DAY30_EXHAUSTED_CD8_TCELL_LCMV_CLONE13_UP
                                                                                                     GSE17721_0.5H_VS_12H_POLYIC_BMDC_UP, GSE17721_0.5H_VS_12H_POLYIC_BMDC_UP
                                                                                                     GSE4142_PLASMA_CELL_VS_MEMORY_BCELL_DN, GSE4142_PLASMA_CELL_VS_MEMORY_BCELL_DN
                                                                                                     GSE3039_CD4_TCELL_VS_B2_BCELL_DN, GSE3039_CD4_TCELL_VS_B2_BCELL_DN
                                                                                                     GSE27786_LIN_NEG_VS_CD8_TCELL_UP, GSE27786_LIN_NEG_VS_CD8_TCELL_UP
                                                                                                     GSE17721_LPS_VS_GARDIQUIMOD_16H_BMDC_DN, GSE17721_LPS_VS_GARDIQUIMOD_16H_BMDC_DN
                                                                                                     GSE3203_INFLUENZA_INF_VS_IFNB_TREATED_LN_BCELL_DN, GSE3203_INFLUENZA_INF_VS_IFNB_TREATED_LN_BCELL_DN
                                                                                                     GSE5099_MONOCYTE_VS_CLASSICAL_M1_MACROPHAGE_DN, GSE5099_MONOCYTE_VS_CLASSICAL_M1_MACROPHAGE_DN
                                                                                                     GSE22103_UNSTIM_VS_LPS_STIM_NEUTROPHIL_UP, GSE22103_UNSTIM_VS_LPS_STIM_NEUTROPHIL_UP
                                                                                                     GSE1460_INTRATHYMIC_T_PROGENITOR_VS_DP_THYMOCYTE_UP, GSE1460_INTRATHYMIC_T_PROGENITOR_VS_DP_THYMOCYTE_UP
                                                                                                     GSE26351_UNSTIM_VS_BMP_PATHWAY_STIM_HEMATOPOIETIC_PROGENITORS_UP, GSE26351_UNSTIM_VS_BMP_PATHWAY_STIM_HEMATOPOIETIC_PROGENITORS_UP
                                                                                                     GSE21670_STAT3_KO_VS_WT_CD4_TCELL_TGFB_IL6_TREATED_UP, GSE21670_STAT3_KO_VS_WT_CD4_TCELL_TGFB_IL6_TREATED_UP
                                                                                                     GSE4748_CTRL_VS_CYANOBACTERIUM_LPSLIKE_STIM_DC_3H_DN, GSE4748_CTRL_VS_CYANOBACTERIUM_LPSLIKE_STIM_DC_3H_DN
                                                                                                     GSE5589 IL6 KO_VS_IL10 KO_LPS_STIM_MACROPHAGE_45MIN_DN, GSE5589_IL6 KO_VS_IL10 KO_LPS_STIM_MACROPHAGE_45MIN_DN
                                                                                                     GSE13306_TREG_VS_TCONV_DN, GSE13306_TREG_VS_TCONV_DN
                                                                                                     GSE2826 WT VS BTK KO BCELL UP, GSE2826 WT VS BTK KO BCELL UP
                                                                                                     GSE10325_LUPUS_BCELL_VS_LUPUS_MYELOID_UP, GSE10325_LUPUS_BCELL_VS_LUPUS_MYELOID_UP
                                                                                                     GSE11864_CSF1_PAM3CYS_VS_CSF1_IFNG_PAM3CYS_IN_MAC_UP, GSE11864_CSF1_PAM3CYS_VS_CSF1_IFNG_PAM3CYS_IN_MAC_UP
                                                                                                     GSE5542 UNTREATED VS IFNA AND IFNG TREATED EPITHELIAL CELLS 24H DN, GSE5542 UNTREATED VS IFNA AND IFNG TREATED EPITHELIAL CELLS 24H DN
                                                                                                     GSE23505_IL6_IL1_VS_IL6_IL1_IL23_TREATED_CD4_TCELL_DN, GSE23505_IL6_IL1_VS_IL6_IL1_IL23_TREATED_CD4_TCELL_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
                                                                                                     GSE21927_SPLENIC_C26GM_TUMOROUS_VS_4T1_TUMOR_MONOCYTES_DN, GSE21927_SPLENIC_C26GM_TUMOROUS_VS_4T1_TUMOR_MONOCYTES_DN
                                                                                                     GSE1925 CTRL VS 24H IFNG STIM IFNG PRIMED MACROPHAGE DN, GSE1925 CTRL VS 24H IFNG STIM IFNG PRIMED MACROPHAGE DN
                                                                                                     GSE360_T_GONDII_VS_B_MALAYI_LOW_DOSE_MAC_UP, GSE360_T_GONDII_VS_B_MALAYI_LOW_DOSE_MAC_UP
                                                                                                     GSE14308_TH2_VS_TH1_UP, GSE14308_TH2_VS_TH1_UP
                                                                                                     GSE20715_WT_VS_TLR4_KO_48H_OZONE_LUNG_DN, GSE20715_WT_VS_TLR4_KO_48H_OZONE_LUNG_DN
                                                                                                     GSE21774 CD56 BRIGHT VS DIM CD62L POSITIVE NK CELL DN, GSE21774 CD56 BRIGHT VS DIM CD62L POSITIVE NK CELL DN
                                                                                                     GSE1925_CTRL_VS_IFNG_PRIMED_MACROPHAGE_24H_IFNG_STIM_DN, GSE1925_CTRL_VS_IFNG_PRIMED_MACROPHAGE_24H_IFNG_STIM_DN
                                                                                                     GSE43863_TFH_VS_LY6C_INT_CXCR5POS_EFFECTOR_CD4_TCELL_UP, GSE43863_TFH_VS_LY6C_INT_CXCR5POS_EFFECTOR_CD4_TCELL_UP
                                                                                                     GSE37416_0H_VS_48H_F_TULARENSIS_LVS_NEUTROPHIL_DN, GSE37416_0H_VS_48H_F_TULARENSIS_LVS_NEUTROPHIL_DN
                                                                                                     GSE27786_NKCELL_VS_NKTCELL_DN, GSE27786_NKCELL_VS_NKTCELL_DN
                                                                                                     GSE32986 UNSTIM VS GMCSF STIM DC DN, GSE32986 UNSTIM VS GMCSF STIM DC DN
                                                                                                     GSE1925 CTRL VS 3H IFNG STIM MACROPHAGE UP, GSE1925 CTRL VS 3H IFNG STIM MACROPHAGE UP
                                                                                                     GSE17721_LPS_VS_PAM3CSK4_16H_BMDC_DN, GSE17721_LPS_VS_PAM3CSK4_16H_BMDC_DN
                                                                                                     GSE15750_WT_VS_TRAF6KO_DAY6_EFF_CD8_TCELL_UP, GSE15750_WT_VS_TRAF6KO_DAY6_EFF_CD8_TCELL_UP
                                                                                                     GSE3039_NKT_CELL_VS_ALPHABETA_CD8_TCELL_DN, GSE3039_NKT_CELL_VS_ALPHABETA_CD8_TCELL_DN
                                                                                                     GSE11961_MEMORY_BCELL_DAY7_VS_GERMINAL_CENTER_BCELL_DAY40_UP, GSE11961_MEMORY_BCELL_DAY7_VS_GERMINAL_CENTER_BCELL_DAY40_UP
                                                                                                     GSE21927_SPLENIC_C26GM_TUMOROUS_VS_BONE_MARROW_MONOCYTES_DN, GSE21927_SPLENIC_C26GM_TUMOROUS_VS_BONE_MARROW_MONOCYTES_DN
                                                                                                     GSE17721_LPS_VS_POLYIC_6H_BMDC_UP, GSE17721_LPS_VS_POLYIC_6H_BMDC_UP
                                                                                                     GSE21546 SAP1A KO_VS_SAP1A_KO_AND_ELK1_KO_DP_THYMOCYTES_UP, GSE21546 SAP1A_KO_VS_SAP1A_KO_AND_ELK1_KO_DP_THYMOCYTES_UP
                                                                                                     GSE3920_UNTREATED_VS_IFNA_TREATED_FIBROBLAST_UP, GSE3920_UNTREATED_VS_IFNA_TREATED_FIBROBLAST_UP
                                                                                                     GSE21670_STAT3_KO_VS_WT_CD4_TCELL_UP, GSE21670_STAT3_KO_VS_WT_CD4_TCELL_UP
                                                                                                     GSE14308_TH1_VS_TH17_UP, GSE14308_TH1_VS_TH17_UP
                                                                                                     GSE17721_LPS_VS_POLYIC_8H_BMDC_UP, GSE17721_LPS_VS_POLYIC_8H_BMDC_UP
                                                                                                     GSE15767_MED_VS_SCS_MAC_LN_DN, GSE15767_MED_VS_SCS_MAC_LN_DN
                                                                                                     GSE3203_UNTREATED_VS_IFNB_TREATED_LN_BCELL_DN, GSE3203_UNTREATED_VS_IFNB_TREATED_LN_BCELL_DN
                                                                                                     GSE17721_0.5H_VS_4H_PAM3CSK4_BMDC_DN, GSE17721_0.5H_VS_4H_PAM3CSK4_BMDC_DN
                                                                                                     GSE19888 ADENOSINE A3R INH VS ACT IN MAST CELL UP, GSE19888 ADENOSINE A3R INH VS ACT IN MAST CELL UP
                                                                                                     GSE10500_ARTHRITIC_SYNOVIAL_FLUID_VS_HEALTHY_MACROPHAGE_UP, GSE10500_ARTHRITIC_SYNOVIAL_FLUID_VS_HEALTHY_MACROPHAGE_UP
                                                                                                     GSE16385_MONOCYTE_VS_12H_ROSIGLITAZONE_IL4_TREATED_MACROPHAGE_UP, GSE16385_MONOCYTE_VS_12H_ROSIGLITAZONE_IL4_TREATED_MACROPHAGE_UP
                                                                                                     GSE19888_NO_PRETREAT_VS_ADENOSINE_A3R_INHIBITOR_PRETREATED_MAST_CELL_TCELL_MEMBRANES_ACT_UP, GSE19888_NO_PRETREAT_VS_ADENOSINE_A3R_INHIBITOR_PRETREATED_MAST_CELL_TC
                                                                                                     GSE20715_0H_VS_24H_OZONE_TLR4_KO_LUNG_DN, GSE20715_0H_VS_24H_OZONE_TLR4_KO_LUNG_DN
                                                                                                     GSE29618_MONOCYTE_VS_MDC_DN, GSE29618_MONOCYTE_VS_MDC_DN
                                                                                                     GSE11864_UNTREATED_VS_CSF1_PAM3CYS_IN_MAC_DN, GSE11864_UNTREATED_VS_CSF1_PAM3CYS_IN_MAC_DN
                                                                                                     GSE15624_3H_VS_6H_HALOFUGINONE_TREATED_CD4_TCELL_DN, GSE15624_3H_VS_6H_HALOFUGINONE_TREATED_CD4_TCELL_DN
                                                                                                     GSE37534_GW1929_VS_ROSIGLITAZONE_TREATED_CD4_TCELL_PPARG1_FOXP3_TRANSDUCED_UP, GSE37534_GW1929_VS_ROSIGLITAZONE_TREATED_CD4_TCELL_PPARG1_FOXP3_TRANSDUCED_UP
                                                                                                     GSE21670_TGFB_VS_TGFB_AND_IL6_TREATED_STAT3_KO_CD4_TCELL_UP, GSE21670_TGFB_VS_TGFB_AND_IL6_TREATED_STAT3_KO_CD4_TCELL_UP
                                                                                                     GSE14308_TH1_VS_NATURAL_TREG_DN, GSE14308_TH1_VS_NATURAL_TREG_DN
                                                                                                     GSE33162_UNTREATED_VS_4H_LPS_STIM_HDAC3_HET_MACROPHAGE_UP, GSE33162_UNTREATED_VS_4H_LPS_STIM_HDAC3_HET_MACROPHAGE_UP
                                                                                                     GSE24142_DN2_VS_DN3_THYMOCYTE_ADULT_DN, GSE24142_DN2_VS_DN3_THYMOCYTE_ADULT_DN
                                                                                                     GSE6259_BCELL_VS_CD4_TCELL_DN, GSE6259_BCELL_VS_CD4_TCELL_DN
                                                                                                     GSE17721_CPG_VS_GARDIQUIMOD_8H_BMDC_UP, GSE17721_CPG_VS_GARDIQUIMOD_8H_BMDC_UP
                                                                                                     GSE17721_POLYIC_VS_CPG_6H_BMDC_DN, GSE17721_POLYIC_VS_CPG_6H_BMDC_DN
                                                                                                     GSE17721_0.5H_VS_8H_PAM3CSK4_BMDC_UP, GSE17721_0.5H_VS_8H_PAM3CSK4_BMDC_UP
                                                                                                     GSE360_L_MAJOR_VS_B_MALAYI_HIGH_DOSE_MAC_DN, GSE360_L_MAJOR_VS_B_MALAYI_HIGH_DOSE_MAC_DN
                                                                                                     GSE37605_C57BL6_VS_NOD_FOXP3_FUSION_GFP_TCONV_UP, GSE37605_C57BL6_VS_NOD_FOXP3_FUSION_GFP_TCONV_UP
                                                                                                     GSE5589 IL6 KO_VS_IL10 KO_LPS_AND_IL10_STIM_MACROPHAGE_45MIN_UP, GSE5589_IL6_KO_VS_IL10_KO_LPS_AND_IL10_STIM_MACROPHAGE_45MIN_UP
                                                                                                     GSE29164_CD8_TCELL_VS_CD8_TCELL_AND_IL12_TREATED_MELANOMA_DAY3_DN, GSE29164_CD8_TCELL_VS_CD8_TCELL_AND_IL12_TREATED_MELANOMA_DAY3_DN
                                                                                                    GSE29618_MONOCYTE_VS_PDC_DN, GSE29618_MONOCYTE_VS_PDC_DN
OMIN IL6 STIM MACROPHAGE DN, GSE411 100MIN VS 400MIN IL6 STIM MACROPHAGE DN
                                                                                                    GSE46606_UNSTIM_VS_CD40L_IL2_IL5_1DAY_STIMULATED_IRF4MID_SORTED_BCELL_UP, GSE46606_UNSTIM_VS_CD40L_IL2_IL5_1DAY_STIMULATED_IRF4MID_SORTED_BCELL_UP
                                                                                                     GSE360_DC_VS_MAC_B_MALAYI_LOW_DOSE_DN, GSE360_DC_VS_MAC_B_MALAYI_LOW_DOSE_DN
                                                                                                     GSE14308_NAIVE_CD4_TCELL_VS_NATURAL_TREG_DN, GSE14308_NAIVE_CD4_TCELL_VS_NATURAL_TREG_DN
                                                                                                     GSE43863_TFH_VS_LY6C_INT_CXCR5POS_EFFECTOR_CD4_TCELL_DN, GSE43863_TFH_VS_LY6C_INT_CXCR5POS_EFFECTOR_CD4_TCELL_DN
                                                                                                     GSE11864_CSF1_VS_CSF1_PAM3CYS_IN_MAC_DN, GSE11864_CSF1_VS_CSF1_PAM3CYS_IN_MAC_DN
                                                                                                     GSE40274_CTRL_VS_HELIOS_TRANSDUCED_ACTIVATED_CD4_TCELL_DN, GSE40274_CTRL_VS_HELIOS_TRANSDUCED_ACTIVATED_CD4_TCELL_DN
                                                                                                     GSE17721_PAM3CSK4_VS_GADIQUIMOD_24H_BMDC_DN, GSE17721_PAM3CSK4_VS_GADIQUIMOD_24H_BMDC_DN
                                                                                                     GSE22103_UNSTIM_VS_LPS_STIM_NEUTROPHIL_DN, GSE22103_UNSTIM_VS_LPS_STIM_NEUTROPHIL_DN
                                                                                                     GSE5589_WT_VS_IL10_KO_LPS_AND_IL10_STIM_MACROPHAGE_180MIN_UP, GSE5589_WT_VS_IL10_KO_LPS_AND_IL10_STIM_MACROPHAGE_180MIN_UP
                                                                                                     GSE17580_TREG_VS_TEFF_UP, GSE17580_TREG_VS_TEFF_UP
                                                                                                     GSE7460_WT_VS_FOXP3_HET_ACT_WITH_TGFB_TCONV_DN, GSE7460_WT_VS_FOXP3_HET_ACT_WITH_TGFB_TCONV_DN
                                                                                                     GSE8621_UNSTIM_VS_LPS_STIM_MACROPHAGE_UP, GSE8621_UNSTIM_VS_LPS_STIM_MACROPHAGE_UP
                                                                                                     GSE27786_BCELL_VS_NEUTROPHIL_DN, GSE27786_BCELL_VS_NEUTROPHIL_DN
                                                                                                     GSE1432_CTRL_VS_IFNG_1H_MICROGLIA_UP, GSE1432_CTRL_VS_IFNG_1H_MICROGLIA_UP
                                                                                                     GSE34515_CD16_NEG_VS_POS_MONOCYTE_UP, GSE34515_CD16_NEG_VS_POS_MONOCYTE_UP
                                                                                                     GSE19772_HCMV_INFL_VS_HCMV_INF_MONOCYTES_AND_PI3K_INHIBITION_UP, GSE19772_HCMV_INFL_VS_HCMV_INF_MONOCYTES_AND_PI3K_INHIBITION_UP
                                                                                                     GSE22935_WT_VS_MYD88_KO_MACROPHAGE_12H_MBOVIS_BCG_STIM_UP, GSE22935_WT_VS_MYD88_KO_MACROPHAGE_12H_MBOVIS_BCG_STIM_UP
                                                                                                     GSE24210_IL35_TREATED_VS_UNTREATED_TCONV_CD4_TCELL_UP, GSE24210_IL35_TREATED_VS_UNTREATED_TCONV_CD4_TCELL_UP
                                                                                                     GSE15330_LYMPHOID_MULTIPOTENT_VS_MEGAKARYOCYTE_ERYTHROID_PROGENITOR_DN, GSE15330_LYMPHOID_MULTIPOTENT_VS_MEGAKARYOCYTE_ERYTHROID_PROGENITOR_DN
                                                                                                     GSE46143_CTRL_VS_LMP2A_TRANSDUCED_CD10_POS_GC_BCELL_UP, GSE46143_CTRL_VS_LMP2A_TRANSDUCED_CD10_POS_GC_BCELL_UP
                                                                                                     GSE6674_UNSTIM_VS_CPG_STIM_BCELL_DN, GSE6674_UNSTIM_VS_CPG_STIM_BCELL_DN
                                                                                                     GSE5589_LPS_AND_IL10_VS_LPS_AND_IL6_STIM_IL10_KO_MACROPHAGE_45MIN_DN, GSE5589_LPS_AND_IL10_VS_LPS_AND_IL6_STIM_IL10_KO_MACROPHAGE_45MIN_DN
                                                                                                     GSE18281 CORTICAL VS MEDULLARY THYMOCYTE DN, GSE18281 CORTICAL VS MEDULLARY THYMOCYTE DN
                                                                                                     GSE12198 CTRL VS HIGH IL2 STIM NK CELL DN, GSE12198 CTRL VS HIGH IL2 STIM NK CELL DN
                                                                                                     GSE8921_UNSTIM_0H_VS_TLR1_2_STIM_MONOCYTE_3H_UP, GSE8921_UNSTIM_0H_VS_TLR1_2_STIM_MONOCYTE_3H_UP
                                                                                                     GSE45365_NK_CELL_VS_BCELL_DN, GSE45365_NK_CELL_VS_BCELL_DN
                                                                                                     GSE37416_12H_VS_48H_F_TULARENSIS_LVS_NEUTROPHIL_DN, GSE37416_12H_VS_48H_F_TULARENSIS_LVS_NEUTROPHIL_DN
                                                                                                     GSE22935_UNSTIM_VS_48H_MBOVIS_BCG_STIM_MACROPHAGE_DN, GSE22935_UNSTIM_VS_48H_MBOVIS_BCG_STIM_MACROPHAGE_DN
                                                                                                     GSE21546_WT_VS_ELK1_KO_DP_THYMOCYTES_DN, GSE21546_WT_VS_ELK1_KO_DP_THYMOCYTES_DN
                                                                                                     GSE37301_HEMATOPOIETIC_STEM_CELL_VS_PRO_BCELL_UP, GSE37301_HEMATOPOIETIC_STEM_CELL_VS_PRO_BCELL_UP
                                                                                                     GSE32901_NAIVE_VS_TH1_CD4_TCELL_DN, GSE32901_NAIVE_VS_TH1_CD4_TCELL_DN
                                                                                                     GSE27291_6H_VS_7D_STIM_GAMMADELTA_TCELL_DN, GSE27291_6H_VS_7D_STIM_GAMMADELTA_TCELL_DN
                                                                                                     GSE45365_HEALTHY_VS_MCMV_INFECTION_CD11B_DC_IFNAR_KO_DN, GSE45365_HEALTHY_VS_MCMV_INFECTION_CD11B_DC_IFNAR_KO_DN
                                                                                                     GSE369_SOCS3_KO_VS_IFNG_KO_LIVER_UP, GSE369_SOCS3_KO_VS_IFNG_KO_LIVER_UP
                                                                                                     GSE43955_TH0_VS_TGFB_IL6_IL23_TH17_ACT_CD4_TCELL_60H_UP, GSE43955_TH0_VS_TGFB_IL6_IL23_TH17_ACT_CD4_TCELL_60H_UP
                                                                                                     GSE28737 WT VS_BCL6_HET_MARGINAL_ZONE_BCELL_DN, GSE28737 WT_VS_BCL6_HET_MARGINAL_ZONE_BCELL_DN
                                                                                                     GSE21927_BALBC_VS_C57BL6_MONOCYTE_TUMOR_DN, GSE21927_BALBC_VS_C57BL6_MONOCYTE_TUMOR_DN
                                                                                                     GSE22611_UNSTIM_VS_6H_MDP_STIM_MUTANT_NOD2_TRANSDUCED_HEK293T_CELL_UP, GSE22611_UNSTIM_VS_6H_MDP_STIM_MUTANT_NOD2_TRANSDUCED_HEK293T_CELL_UP
                                                                                                     GSE17721 CPG VS GARDIQUIMOD 6H BMDC UP, GSE17721 CPG VS GARDIQUIMOD 6H BMDC UP
                                                                                                     GSE360_L_DONOVANI_VS_M_TUBERCULOSIS_MAC_DN, GSE360_L_DONOVANI_VS_M_TUBERCULOSIS_MAC_DN
                                                                                                     GSE40274 CTRL VS EOS TRANSDUCED ACTIVATED CD4 TCELL DN, GSE40274 CTRL VS EOS TRANSDUCED ACTIVATED CD4 TCELL DN
                                                                                                     GSE11961 PLASMA CELL DAY7 VS GERMINAL CENTER BCELL DAY40 UP, GSE11961 PLASMA CELL DAY7 VS GERMINAL CENTER BCELL DAY40 UP
                                                                                                     GSE43955 TGFB IL6 VS TGFB IL6 IL23 TH17 ACT CD4 TCELL 52H UP, GSE43955 TGFB IL6 VS TGFB IL6 IL23 TH17 ACT CD4 TCELL 52H UP
                                                                                                     GSE16450_CTRL_VS_IFNA_12H_STIM_MATURE_NEURON_CELL_LINE_UP, GSE16450_CTRL_VS_IFNA_12H_STIM_MATURE_NEURON_CELL_LINE_UP
                                                                                                     GSE6875_TCONV_VS_TREG_UP, GSE6875_TCONV_VS_TREG_UP
                                                                                                     GSE7831_CPG_VS_INFLUENZA_STIM_PDC_4H_DN, GSE7831_CPG_VS_INFLUENZA_STIM_PDC_4H_DN
                                                                                                     GSE5589_UNSTIM_VS_45MIN_LPS_AND_IL10_STIM_MACROPHAGE_DN, GSE5589_UNSTIM_VS_45MIN_LPS_AND_IL10_STIM_MACROPHAGE_DN
                                                                                                     GSE9316_CD4_TCELL_BALBC_VS_TH17_ENRI_CD4_TCELL_SKG_PMA_IONO_STIM_FR4NEG_UP, GSE9316_CD4_TCELL_BALBC_VS_TH17_ENRI_CD4_TCELL_SKG_PMA_IONO_STIM_FR4NEG_UP
                                                                                                     GSE23114_PERITONEAL_CAVITY_B1A_BCELL_VS_SPLEEN_BCELL_IN_SLE2C1_MOUSE_DN, GSE23114_PERITONEAL_CAVITY_B1A_BCELL_VS_SPLEEN_BCELL_IN_SLE2C1_MOUSE_DN
                                                                                                     GSE39152_SPLEEN_CD103_NEG_VS_BRAIN_CD103_POS_MEMORY_CD8_TCELL_UP, GSE39152_SPLEEN_CD103_NEG_VS_BRAIN_CD103_POS_MEMORY_CD8_TCELL_UP
                                                                                                     GSE1460_CD4_THYMOCYTE_VS_THYMIC_STROMAL_CELL_DN, GSE1460_CD4_THYMOCYTE_VS_THYMIC_STROMAL_CELL_DN
                                                                                                     GSE11961_FOLLICULAR_BCELL_VS_MARGINAL_ZONE_BCELL_UP, GSE11961_FOLLICULAR_BCELL_VS_MARGINAL_ZONE_BCELL_UP
                                                                                                     GSE15324_NAIVE_VS_ACTIVATED_CD8_TCELL_DN, GSE15324_NAIVE_VS_ACTIVATED_CD8_TCELL_DN
                                                                                                     GSE12845 IGD POS VS NEG BLOOD BCELL UP, GSE12845 IGD POS VS NEG BLOOD BCELL UP
                                                                                                     GSE1448_CTRL_VS_ANTI_VALPHA2_DP_THYMOCYTE_UP, GSE1448_CTRL_VS_ANTI_VALPHA2_DP_THYMOCYTE_UP
                                                                                                     GSE21546 UNSTIM_VS_ANTI_CD3_STIM_ELK1_KO_DP_THYMOCYTES_DN, GSE21546_UNSTIM_VS_ANTI_CD3_STIM_ELK1_KO_DP_THYMOCYTES_DN
                                                                                                     GSE37533_UNTREATED_VS_PIOGLIZATONE_TREATED_CD4_TCELL_FOXP3_TRASDUCED_CD4_TCELL_UP, GSE37533_UNTREATED_VS_PIOGLIZATONE_TREATED_CD4_TCELL_FOXP3_TRASDUCED_CD4_TCELL_UP
                                                                                                     GSE369_PRE_VS_POST_IL6_INJECTION_IFNG_KO_LIVER_DN, GSE369_PRE_VS_POST_IL6_INJECTION_IFNG_KO_LIVER_DN
                                                                                                     GSE1925_CTRL_VS_IFNG_PRIMED_MACROPHAGE_24H_IFNG_STIM_UP, GSE1925_CTRL_VS_IFNG_PRIMED_MACROPHAGE_24H_IFNG_STIM_UP
                                                                                                     GSE13547_WT_VS_ZFX_KO_BCELL_ANTI_IGM_STIM_12H_DN, GSE13547_WT_VS_ZFX_KO_BCELL_ANTI_IGM_STIM_12H_DN
                                                                                                     GSE29618_PRE_VS_DAY7_FLU_VACCINE_BCELL_UP, GSE29618_PRE_VS_DAY7_FLU_VACCINE_BCELL_UP
                                                                                                     GSE17974_IL4_AND_ANTI_IL12_VS_UNTREATED_2H_ACT_CD4_TCELL_UP, GSE17974_IL4_AND_ANTI_IL12_VS_UNTREATED_2H_ACT_CD4_TCELL_UP
                                                                                                     GSE17721 LPS VS PAM3CSK4 4H BMDC UP, GSE17721 LPS VS PAM3CSK4 4H BMDC UP
                                                                                                     GSE16385_UNTREATED_VS_12H_ROSIGLITAZONE_IL4_TREATED_MACROPHAGE_DN, GSE16385_UNTREATED_VS_12H_ROSIGLITAZONE_IL4_TREATED_MACROPHAGE_DN
                                                                                                     GSE339_CD4POS_VS_CD4CD8DN_DC_UP, GSE339_CD4POS_VS_CD4CD8DN_DC_UP
                                                                                                     GSE2585_CTEC_VS_THYMIC_MACROPHAGE_UP, GSE2585_CTEC_VS_THYMIC_MACROPHAGE_UP
                                                                                                     GSE41978_WT_VS_ID2_KO_KLRG1_LOW_EFFECTOR_CD8_TCELL_DN, GSE41978_WT_VS_ID2_KO_KLRG1_LOW_EFFECTOR_CD8_TCELL_DN
                                                                                                     GSE40274 CTRL VS_FOXP3_AND_GATA1_TRANSDUCED_ACTIVATED_CD4_TCELL_DN, GSE40274_CTRL_VS_FOXP3_AND_GATA1_TRANSDUCED_ACTIVATED_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
                                                                                                     GSE21546_WT_VS_SAP1A_KO_DP_THYMOCYTES_DN, GSE21546_WT_VS_SAP1A_KO_DP_THYMOCYTES_DN
                                                                                                     GSE34156_TLR1_TLR2_LIGAND_VS_NOD2_AND_TLR1_TLR2_LIGAND_6H_TREATED_MONOCYTE_UP, GSE34156_TLR1_TLR2_LIGAND_VS_NOD2_AND_TLR1_TLR2_LIGAND_6H_TREATED_MONOCYTE_UP
                                                                                                     GSE32255_UNSTIM_VS_4H_LPS_STIM_DC_DN, GSE32255_UNSTIM_VS_4H_LPS_STIM_DC_DN
                                                                                                     GSE15930_NAIVE_VS_24H_IN_VITRO_STIM_IL12_CD8_TCELL_UP, GSE15930_NAIVE_VS_24H_IN_VITRO_STIM_IL12_CD8_TCELL_UP
                                                                                                     GSE24972_WT_VS_IRF8_KO_SPLEEN_FOLLICULAR_BCELL_UP, GSE24972_WT_VS_IRF8_KO_SPLEEN_FOLLICULAR_BCELL_UP
                                                                                                     GSE35543_IN_VIVO_NTREG_VS_IN_VITRO_ITREG_UP, GSE35543_IN_VIVO_NTREG_VS_IN_VITRO_ITREG_UP
                                                                                                     GSE5542 IFNA VS IFNA AND IFNG TREATED EPITHELIAL CELLS 24H UP, GSE5542 IFNA VS IFNA AND IFNG TREATED EPITHELIAL CELLS 24H UP
                                                                                                     GSE19923_WT_VS_E2A_KO_DP_THYMOCYTE_UP, GSE19923_WT_VS_E2A_KO_DP_THYMOCYTE_UP
                                                                                                     GSE17721_LPS_VS_POLYIC_0.5H_BMDC_DN, GSE17721_LPS_VS_POLYIC_0.5H_BMDC_DN
                                                                                                     GSE22045_TREG_VS_TCONV_UP, GSE22045_TREG_VS_TCONV_UP
                                                                                                     GSE17721_PAM3CSK4_VS_GADIQUIMOD_4H_BMDC_UP, GSE17721_PAM3CSK4_VS_GADIQUIMOD_4H_BMDC_UP
                                                                                                     GSE40184_HEALTHY_VS_HCV_INFECTED_DONOR_PBMC_UP, GSE40184_HEALTHY_VS_HCV_INFECTED_DONOR_PBMC_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
                                                                                                     GSE24574_BCL6_LOW_TFH_VS_NAIVE_CD4_TCELL_UP, GSE24574_BCL6_LOW_TFH_VS_NAIVE_CD4_TCELL_UP
                                                                                                     GSE2585_THYMIC_DC_VS_THYMIC_MACROPHAGE_DN, GSE2585_THYMIC_DC_VS_THYMIC_MACROPHAGE_DN
                                                                                                     GSE3203_WT_VS_IFNAR1_KO_INFLUENZA_INFECTED_LN_BCELL_UP, GSE3203_WT_VS_IFNAR1_KO_INFLUENZA_INFECTED_LN_BCELL_UP
                                                                                                     GSE22886_NAIVE_CD8_TCELL_VS_MEMORY_TCELL_UP, GSE22886_NAIVE_CD8_TCELL_VS_MEMORY_TCELL_UP
                                                                                                     GSE9960_HEALTHY_VS_SEPSIS_PBMC_DN, GSE9960_HEALTHY_VS_SEPSIS_PBMC_DN
                                                                                                     GSE29618_PRE_VS_DAY7_FLU_VACCINE_MONOCYTE_UP, GSE29618_PRE_VS_DAY7_FLU_VACCINE_MONOCYTE_UP
                                                                                                     GSE37416_CTRL_VS_48H_F_TULARENSIS_LVS_NEUTROPHIL_UP, GSE37416_CTRL_VS_48H_F_TULARENSIS_LVS_NEUTROPHIL_UP
                                                                                                     GSE22025_UNTREATED_VS_TGFB1_AND_PROGESTERONE_TREATED_CD4_TCELL_UP, GSE22025_UNTREATED_VS_TGFB1_AND_PROGESTERONE_TREATED_CD4_TCELL_UP
                                                                                                     GSE15930 NAIVE VS 24H IN VITRO STIM INFAB CD8 TCELL UP, GSE15930 NAIVE VS 24H IN VITRO STIM INFAB CD8 TCELL UP
                                                                                                     GSE25088_CTRL_VS_IL4_STIM_STAT6_KO_MACROPHAGE_UP, GSE25088_CTRL_VS_IL4_STIM_STAT6_KO_MACROPHAGE_UP
                                                                                                     GSE11884_WT_VS_FURIN_KO_NAIVE_CD4_TCELL_UP, GSE11884_WT_VS_FURIN_KO_NAIVE_CD4_TCELL_UP
                                                                                                     GSE14699 NAIVE VS DELETIONAL TOLERANCE CD8 TCELL UP, GSE14699 NAIVE VS DELETIONAL TOLERANCE CD8 TCELL UP
                                                                                                     GSE40685_NAIVE_CD4_TCELL_VS_FOXP3_KO_TREG_PRECURSOR_DN, GSE40685_NAIVE_CD4_TCELL_VS_FOXP3_KO_TREG_PRECURSOR_DN
                                                                                                     GSE11961_MARGINAL_ZONE_BCELL_VS_GERMINAL_CENTER_BCELL_DAY40_DN, GSE11961_MARGINAL_ZONE_BCELL_VS_GERMINAL_CENTER_BCELL_DAY40_DN
                                                                                                     GSE42021_CD24INT_VS_CD24LOW_TREG_THYMUS_UP, GSE42021_CD24INT_VS_CD24LOW_TREG_THYMUS_UP
                                                                                                     GSE3982_BCELL_VS_CENT_MEMORY_CD4_TCELL_DN, GSE3982_BCELL_VS_CENT_MEMORY_CD4_TCELL_DN
                                                                                                     GSE42021_TCONV_PLN_VS_CD24INT_TCONV_THYMUS_DN, GSE42021_TCONV_PLN_VS_CD24INT_TCONV_THYMUS_DN
                                                                                                     GSE9509_10MIN_VS_30MIN_LPS_AND_IL10_STIM_IL10_KO_MACROPHAGE_DN, GSE9509_10MIN_VS_30MIN_LPS_AND_IL10_STIM_IL10_KO_MACROPHAGE_DN
                                                                                                     GSE24574_BCL6_LOW_TFH_VS_TCONV_CD4_TCELL_UP, GSE24574_BCL6_LOW_TFH_VS_TCONV_CD4_TCELL_UP
                                                                                                     GSE16385_UNTREATED_VS_12H_IL4_TREATED_MACROPHAGE_UP, GSE16385_UNTREATED_VS_12H_IL4_TREATED_MACROPHAGE_UP
                                                                                                     GSE3982_DC_VS_CENT_MEMORY_CD4_TCELL_DN, GSE3982_DC_VS_CENT_MEMORY_CD4_TCELL_DN
                                                                                                     GSE16385_MONOCYTE_VS_12H_IL4_TREATED_MACROPHAGE_UP, GSE16385_MONOCYTE_VS_12H_IL4_TREATED_MACROPHAGE_UP
                                                                                                     GSE21546_WT_VS_SAP1A_KO_ANTI_CD3_STIM_DP_THYMOCYTES_UP, GSE21546_WT_VS_SAP1A_KO_ANTI_CD3_STIM_DP_THYMOCYTES_UP
                                                                                                     GSE27786_LIN_NEG_VS_ERYTHROBLAST_DN, GSE27786_LIN_NEG_VS_ERYTHROBLAST_DN
                                                                                                     GSE28737_WT_VS_BCL6_KO_MARGINAL_ZONE_BCELL_UP, GSE28737_WT_VS_BCL6_KO_MARGINAL_ZONE_BCELL_UP
                                                                                                     GSE15659_CD45RA_NEG_CD4_TCELL_VS_RESTING_TREG_UP, GSE15659_CD45RA_NEG_CD4_TCELL_VS_RESTING_TREG_UP
                                                                                                     GSE6674_UNSTIM_VS_CPG_STIM_BCELL_UP, GSE6674_UNSTIM_VS_CPG_STIM_BCELL_UP
                                                                                                     GSE9650 GP33_VS_GP276_LCMV_SPECIFIC_EXHAUSTED_CD8_TCELL_UP, GSE9650_GP33_VS_GP276_LCMV_SPECIFIC_EXHAUSTED_CD8_TCELL_UP
                                                                                                     GSE339_CD4POS_VS_CD4CD8DN_DC_IN_CULTURE_UP, GSE339_CD4POS_VS_CD4CD8DN_DC_IN_CULTURE_UP
                                                                                                    GSE17721_POLYIC_VS_GARDIQUIMOD_0.5H_BMDC_UP, GSE17721_POLYIC_VS_GARDIQUIMOD_0.5H_BMDC_UP
                                                                                                     GSE5589_WT_VS_IL10_KO_LPS_AND_IL6_STIM_MACROPHAGE_45MIN_UP, GSE5589_WT_VS_IL10_KO_LPS_AND_IL6_STIM_MACROPHAGE_45MIN_UP
                                                                                                     GSE22342_CD11C_HIGH_VS_LOW_DECIDUAL_MACROPHAGES_UP, GSE22342_CD11C_HIGH_VS_LOW_DECIDUAL_MACROPHAGES_UP
                                                                                                     GSE46606_UNSTIM_VS_CD40L_IL2_IL5_1DAY_STIMULATED_IRF4HIGH_SORTED_BCELL_UP, GSE46606_UNSTIM_VS_CD40L_IL2_IL5_1DAY_STIMULATED_IRF4HIGH_SORTED_BCELL_UP
                                                                                                     GSE15930_NAIVE_VS_24H_IN_VITRO_STIM_CD8_TCELL_UP, GSE15930_NAIVE_VS_24H_IN_VITRO_STIM_CD8_TCELL_UP
                                                                                                     GSE45365_NK_CELL_VS_CD8_TCELL_DN, GSE45365_NK_CELL_VS_CD8_TCELL_DN
                                                                                                     GSE22589_HIV_VS_HIV_AND_SIV_INFECTED_DC_UP, GSE22589_HIV_VS_HIV_AND_SIV_INFECTED_DC_UP
                                                                                                     GSE43955 1H VS 42H ACT_CD4_TCELL_DN, GSE43955 1H VS_42H_ACT_CD4_TCELL_DN
                                                                                                     GSE25147_UNSTIM_VS_HELIOBACTER_PYLORI_LPS_STIM_MKN45_CELL_DN, GSE25147_UNSTIM_VS_HELIOBACTER_PYLORI_LPS_STIM_MKN45_CELL_DN
                                                                                                     GSE37534_PIOGLITAZONE_VS_ROSIGLITAZONE_TREATED_CD4_TCELL_PPARG1_FOXP3_TRANSDUCED_DN, GSE37534_PIOGLITAZONE_VS_ROSIGLITAZONE_TREATED_CD4_TCELL_PPARG1_FOXP3_TRANSDUCE
                                                                                                     GSE19888_ADENOSINE_A3R_INH_VS_TCELL_MEMBRANES_ACT_MAST_CELL_DN, GSE19888_ADENOSINE_A3R_INH_VS_TCELL_MEMBRANES_ACT_MAST_CELL_DN
                                                                                                     GSE43955_1H_VS_60H_ACT_CD4_TCELL_WITH_TGFB_IL6_DN, GSE43955_1H_VS_60H_ACT_CD4_TCELL_WITH_TGFB_IL6_DN
                                                                                                     GSE2770_TGFB_AND_IL4_VS_IL4_TREATED_ACT_CD4_TCELL_2H_DN, GSE2770_TGFB_AND_IL4_VS_IL4_TREATED_ACT_CD4_TCELL_2H_DN
                                                                                                     GSE27786_BCELL_VS_CD8_TCELL_DN, GSE27786_BCELL_VS_CD8_TCELL_DN
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GSE3691\_CONVENTIONAL\_VS\_PLASMACYTOID\_DC\_SPLEEN\_DN, GSE3691\_CONVENTIONAL\_VS\_PLASMACYTOID\_DC\_SPLEEN\_DN

GSE21670\_UNTREATED\_VS\_IL6\_TREATED\_CD4\_TCELL\_UP, GSE21670\_UNTREATED\_VS\_IL6\_TREATED\_CD4\_TCELL\_UP

GSE16385\_MONOCYTE\_VS\_MACROPHAGE\_DN, GSE16385\_MONOCYTE\_VS\_MACROPHAGE\_DN

GSE3982\_MAC\_VS\_NKCELL\_DN, GSE3982\_MAC\_VS\_NKCELL\_DN

GSE11961\_UNSTIM\_VS\_ANTI\_IGM\_AND\_CD40\_STIM\_6H\_FOLLICULAR\_BCELL\_UP, GSE11961\_UNSTIM\_VS\_ANTI\_IGM\_AND\_CD40\_STIM\_6H\_FOLLICULAR\_BCELL\_UP

GSE37301\_COMMON\_LYMPHOID\_PROGENITOR\_VS\_RAG2\_KO\_NK\_CELL\_UP, GSE37301\_COMMON\_LYMPHOID\_PROGENITOR\_VS\_RAG2\_KO\_NK\_CELL\_UP

GSE33374\_CD8\_ALPHAALPHA\_VS\_ALPHABETA\_CD161\_HIGH\_TCELL\_UP, GSE33374\_CD8\_ALPHAALPHA\_VS\_ALPHABETA\_CD161\_HIGH\_TCELL\_UP

GSE24210\_IL35\_TREATED\_VS\_UNTREATED\_TCONV\_CD4\_TCELL\_DN, GSE24210\_IL35\_TREATED\_VS\_UNTREATED\_TCONV\_CD4\_TCELL\_DN

GSE19772 CTRL VS\_HCMV\_INF\_MONOCYTES\_AND\_PI3K\_INHIBITION\_DN, GSE19772\_CTRL\_VS\_HCMV\_INF\_MONOCYTES\_AND\_PI3K\_INHIBITION\_DN