```
GSE22432 MULTIPOTENT PROGENITOR VS PDC DN, GSE22432 MULTIPOTENT PROGENITOR VS PDC DN
                                                                                              GSE1460_CORD_VS_ADULT_BLOOD_NAIVE_CD4_TCELL_DN, GSE1460_CORD_VS_ADULT_BLOOD_NAIVE_CD4_TCELL_DN
                                                                                              GSE22886_NEUTROPHIL_VS_DC_DN, GSE22886_NEUTROPHIL_VS_DC_DN
                                                                                              GSE27786_CD8_TCELL_VS_MONO_MAC_UP, GSE27786_CD8_TCELL_VS_MONO_MAC_UP
                                                                                              GSE42724_NAIVE_VS_B1_BCELL_DN, GSE42724_NAIVE_VS_B1_BCELL_DN
                                                                                             GSE29618_PRE_VS_DAY7_POST_LAIV_FLU_VACCINE_PDC_DN, GSE29618_PRE_VS_DAY7_POST_LAIV_FLU_VACCINE_PDC_DN
                                                                                              GSE22886 NAIVE CD8 TCELL VS NEUTROPHIL UP, GSE22886 NAIVE CD8 TCELL VS NEUTROPHIL UP
                                                                                              GSE39820_CTRL_VS_TGFBETA3_IL6_CD4_TCELL_UP, GSE39820_CTRL_VS_TGFBETA3_IL6_CD4_TCELL_UP
                                                                                              GSE27786_NKTCELL_VS_MONO_MAC_UP, GSE27786_NKTCELL_VS_MONO_MAC_UP
                                                                                              GSE3982_MAST_CELL_VS_MAC_UP, GSE3982_MAST_CELL_VS_MAC_UP
                                                                                              GSE43863_TH1_VS_LY6C_LOW_CXCR5NEG_EFFECTOR_CD4_TCELL_DN, GSE43863_TH1_VS_LY6C_LOW_CXCR5NEG_EFFECTOR_CD4_TCELL_DN
                                                                                              GSE42088_UNINF_VS_LEISHMANIA_INF_DC_2H_DN, GSE42088_UNINF_VS_LEISHMANIA_INF_DC_2H_DN
                                                                                              GSE3982_NEUTROPHIL_VS_BASOPHIL_DN, GSE3982_NEUTROPHIL_VS_BASOPHIL_DN
                                                                                              GSE29618_LAIV_VS_TIV_FLU_VACCINE_DAY7_BCELL_DN, GSE29618_LAIV_VS_TIV_FLU_VACCINE_DAY7_BCELL_DN
                                                                                              GSE3982_MAST_CELL_VS_NEUTROPHIL_UP, GSE3982_MAST_CELL_VS_NEUTROPHIL_UP
                                                                                              GSE37301_LYMPHOID_PRIMED_MPP_VS_GRAN_MONO_PROGENITOR_UP, GSE37301_LYMPHOID_PRIMED_MPP_VS_GRAN_MONO_PROGENITOR_UP
                                                                                              GSE9650_EXHAUSTED_VS_MEMORY_CD8_TCELL_DN, GSE9650_EXHAUSTED_VS_MEMORY_CD8_TCELL_DN
                                                                                              GSE27786_ERYTHROBLAST_VS_MONO_MAC_DN, GSE27786_ERYTHROBLAST_VS_MONO_MAC_DN
                                                                                              GSE3982_DC_VS_NEUTROPHIL_UP, GSE3982_DC_VS_NEUTROPHIL_UP
                                                                                              GSE46606_DAY1_VS_DAY3_CD40L_IL2_IL5_STIMULATED_IRF4HIGH_BCELL_UP, GSE46606_DAY1_VS_DAY3_CD40L_IL2_IL5_STIMULATED_IRF4HIGH_BCELL_UP
                                                                                              GSE3982_NEUTROPHIL_VS_TH2_DN, GSE3982_NEUTROPHIL_VS_TH2_DN
                                                                                              GSE7400_CTRL_VS_CSF3_IN_VIVO_TREATED_PBMC_UP, GSE7400_CTRL_VS_CSF3_IN_VIVO_TREATED_PBMC_UP
                                                                                              GSE22886_NAIVE_CD4_TCELL_VS_NEUTROPHIL_UP, GSE22886_NAIVE_CD4_TCELL_VS_NEUTROPHIL_UP
                                                                                              GSE17721_CTRL_VS_POLYIC_8H_BMDC_UP, GSE17721_CTRL_VS_POLYIC_8H_BMDC_UP
                                                                                             GSE12845_IGD_NEG_BLOOD_VS_NAIVE_TONSIL_BCELL_UP, GSE12845_IGD_NEG_BLOOD_VS_NAIVE_TONSIL_BCELL_UP
                                                                                             GSE41867_NAIVE_VS_EFFECTOR_CD8_TCELL_UP, GSE41867_NAIVE_VS_EFFECTOR_CD8_TCELL_UP
                                                                                             GSE17186_NAIVE_VS_CD21HIGH_TRANSITIONAL_BCELL_CORD_BLOOD_UP, GSE17186_NAIVE_VS_CD21HIGH_TRANSITIONAL_BCELL_CORD_BLOOD_UP
                                                                                             GSE12366_PLASMA_CELL_VS_MEMORY_BCELL_DN, GSE12366_PLASMA_CELL_VS_MEMORY_BCELL_DN
                                                                                              GSE3039_ALPHABETA_CD8_TCELL_VS_B2_BCELL_DN, GSE3039_ALPHABETA_CD8_TCELL_VS_B2_BCELL_DN
                                                                                              GSE2706_2H_VS_8H_R848_AND_LPS_STIM_DC_UP, GSE2706_2H_VS_8H_R848_AND_LPS_STIM_DC_UP
                                                                                              GSE15330_WT_VS_IKAROS_KO_GRANULOCYTE_MONOCYTE_PROGENITOR_UP, GSE15330_WT_VS_IKAROS_KO_GRANULOCYTE_MONOCYTE_PROGENITOR_UP
                                                                                              GSE28726_ACT_CD4_TCELL_VS_ACT_NKTCELL_DN, GSE28726_ACT_CD4_TCELL_VS_ACT_NKTCELL_DN
                                                                                              GSE34156_NOD2_LIGAND_VS_TLR1_TLR2_LIGAND_24H_TREATED_MONOCYTE_DN, GSE34156_NOD2_LIGAND_VS_TLR1_TLR2_LIGAND_24H_TREATED_MONOCYTE_DN
                                                                                              GSE25123_WT_VS_PPARG_KO_MACROPHAGE_DN, GSE25123_WT_VS_PPARG_KO_MACROPHAGE_DN
                                                                                              GSE19941_IL10_KO_VS_IL10_KO_AND_NFKBP50_KO_LPS_STIM_MACROPHAGE_DN, GSE19941_IL10_KO_VS_IL10_KO_AND_NFKBP50_KO_LPS_STIM_MACROPHAGE_DN
                                                                                              GSE43955_1H_VS_42H_ACT_CD4_TCELL_WITH_TGFB_IL6_UP, GSE43955_1H_VS_42H_ACT_CD4_TCELL_WITH_TGFB_IL6_UP
                                                                                              GSE22886_NAIVE_TCELL_VS_DC_UP, GSE22886_NAIVE_TCELL_VS_DC_UP
                                                                                              GSE36888_UNTREATED_VS_IL2_TREATED_STAT5_AB_KNOCKIN_TCELL_6H_DN, GSE36888_UNTREATED_VS_IL2_TREATED_STAT5_AB_KNOCKIN_TCELL_6H_DN
                                                                                             GSE17721_POLYIC_VS_PAM3CSK4_16H_BMDC_DN, GSE17721_POLYIC_VS_PAM3CSK4_16H_BMDC_DN
                                                                                              GSE27786_NKCELL_VS_NEUTROPHIL_UP, GSE27786_NKCELL_VS_NEUTROPHIL_UP
                                                                                              GSE34156_NOD2_LIGAND_VS_NOD2_AND_TLR1_TLR2_LIGAND_6H_TREATED_MONOCYTE_UP, GSE34156_NOD2_LIGAND_VS_NOD2_AND_TLR1_TLR2_LIGAND_6H_TREATED_
                                                                                              GSE3982_EOSINOPHIL_VS_MAST_CELL_DN, GSE3982_EOSINOPHIL_VS_MAST_CELL_DN
                                                                                              GSE1791 CTRL VS NEUROMEDINU IN T CELL LINE 12H UP, GSE1791 CTRL VS NEUROMEDINU IN T CELL LINE 12H UP
                                                                                              GSE22229 RENAL TRANSPLANT IMMUNOSUPP THERAPY VS HEALTHY PBMC UP, GSE22229 RENAL TRANSPLANT IMMUNOSUPP THERAPY VS HEALTHY PBMC UP
                                                                                             GSE17721_LPS_VS_POLYIC_16H_BMDC_UP, GSE17721_LPS_VS_POLYIC_16H_BMDC_UP
                                                                                              GSE22886_NAIVE_BCELL_VS_NEUTROPHIL_UP, GSE22886_NAIVE_BCELL_VS_NEUTROPHIL_UP
                                                                                              GSE5589_UNSTIM_VS_45MIN_LPS_STIM_MACROPHAGE_UP, GSE5589_UNSTIM_VS_45MIN_LPS_STIM_MACROPHAGE_UP
                                                                                              GSE5589_LPS_VS_LPS_AND_IL6_STIM_IL10_KO_MACROPHAGE_45MIN_DN, GSE5589_LPS_VS_LPS_AND_IL6_STIM_IL10_KO_MACROPHAGE_45MIN_DN
                                                                                              GSE6269 HEALTHY VS STAPH PNEUMO INF PBMC UP, GSE6269 HEALTHY VS STAPH PNEUMO INF PBMC UP
                                                                                              GSE22886_TCELL_VS_BCELL_NAIVE_UP, GSE22886_TCELL_VS_BCELL_NAIVE_UP
                                                                                              GSE22886 NAIVE VS MEMORY TCELL DN, GSE22886 NAIVE VS MEMORY TCELL DN
                                                                                              GSE5542_UNTREATED_VS_IFNA_AND_IFNG_TREATED_EPITHELIAL_CELLS_24H_UP, GSE5542_UNTREATED_VS_IFNA_AND_IFNG_TREATED_EPITHELIAL_CELLS_24H_UP
                                                                                             GSE24634_NAIVE_CD4_TCELL_VS_DAY7_IL4_CONV_TREG_UP, GSE24634_NAIVE_CD4_TCELL_VS_DAY7_IL4_CONV_TREG_UP
                                                                                              GSE39820_TGFBETA1_IL6_VS_TGFBETA1_IL6_IL23A_TREATED_CD4_TCELL_DN, GSE39820_TGFBETA1_IL6_VS_TGFBETA1_IL6_IL23A_TREATED_CD4_TCELL_DN
                                                                                              GSE3982 EOSINOPHIL VS MAC DN, GSE3982 EOSINOPHIL VS MAC DN
                                                                                              GSE7509_UNSTIM_VS_FCGRIIB_STIM_MONOCYTE_UP, GSE7509_UNSTIM_VS_FCGRIIB_STIM_MONOCYTE_UP
                                                                                              GSE25088 CTRL VS IL4 AND ROSIGLITAZONE STIM STAT6 KO MACROPHAGE UP, GSE25088 CTRL VS IL4 AND ROSIGLITAZONE STIM STAT6 KO MACROPHAGE UP
                                                                                              GSE25088_WT_VS_STAT6_KO_MACROPHAGE_UP, GSE25088_WT_VS_STAT6_KO_MACROPHAGE_UP
                                                                                              GSE3982_EOSINOPHIL_VS_DC_DN, GSE3982_EOSINOPHIL_VS_DC_DN
                                                                                              GSE22601_IMMATURE_CD4_SINGLE_POSITIVE_VS_CD4_SINGLE_POSITIVE_THYMOCYTE_UP, GSE22601_IMMATURE_CD4_SINGLE_POSITIVE_THYMOCYTE_UP, GSE22601_IMMATURE_CD4_SINGLE_POSITIVE_THYMOCYTE_UP, GSE22601_IMMATURE_CD4_SINGLE_POSITIVE_THYMOCYTE_UP, GSE22601_IMMATURE_CD4_SINGLE_POSITIVE_THYMOCYTE_UP, GSE22601_IMMATURE_CD4_SINGLE_POSITIVE_THYMOCYTE_UP, GSE22601_IMMATURE_CD4_SINGLE_POSITIVE_THYMOCYTE_UP, GSE22601_IMMATURE_CD4_SINGLE_POSITIVE_THYMOCYTE_UP, GSE22601_IMMATURE_CD4_SINGLE_POSITIVE_THYMOCYTE_UP, GSE22601_IMMATURE_THYMOCYTE_UP, GSE22601_IMMATURE_THYMOCYTE_THYMOCYTE_UP, GSE22601_IMMATURE_THYMOCYTE_THYMOCYTE_THYMOCYTE_THYMOCYTE_THYMOCYTE_THYMOCYTE_THYMOCYTE_THYMOCYTE_THYMOCYTE_THYMOCYTE_THYMOCYTE_THYMOCYTE_THYMOCYTE_THYMOCYTE_THYMOCYTE_THYMOCYTE_THYMOCYTE_THYMOCYTE_THYMOCYTE_THYMOCYTE_THYMOCYTE_THYMOCYTE_THYMOCYTE_THYMOCYTE_THYMOCYTE_THYMOCYTE_THYMOCYTE_THYMO
                                                                                              GSE5589_IL6_KO_VS_IL10_KO_LPS_STIM_MACROPHAGE_45MIN_DN, GSE5589_IL6_KO_VS_IL10_KO_LPS_STIM_MACROPHAGE_45MIN_DN
                                                                                             GSE3982_EOSINOPHIL_VS_BASOPHIL_DN, GSE3982_EOSINOPHIL_VS_BASOPHIL_DN
                                                                                              GSE45739_UNSTIM_VS_ACD3_ACD28_STIM_NRAS_KO_CD4_TCELL_UP, GSE45739_UNSTIM_VS_ACD3_ACD28_STIM_NRAS_KO_CD4_TCELL_UP
                                                                                              GSE360_CTRL_VS_L_MAJOR_MAC_UP, GSE360_CTRL_VS_L_MAJOR_MAC_UP
                                                                                              GSE360_L_DONOVANI_VS_T_GONDII_MAC_DN, GSE360_L_DONOVANI_VS_T_GONDII_MAC_DN
                                                                                              GSE2770_IL12_AND_TGFB_ACT_VS_ACT_CD4_TCELL_6H_DN, GSE2770_IL12_AND_TGFB_ACT_VS_ACT_CD4_TCELL_6H_DN
                                                                                              GSE22886_NAIVE_CD8_TCELL_VS_MEMORY_TCELL_DN, GSE22886_NAIVE_CD8_TCELL_VS_MEMORY_TCELL_DN
                                                                                              GSE1925_CTRL_VS_IFNG_PRIMED_MACROPHAGE_DN, GSE1925_CTRL_VS_IFNG_PRIMED_MACROPHAGE_DN
                                                                                              GSE29618_PRE_VS_DAY7_POST_LAIV_FLU_VACCINE_BCELL_UP, GSE29618_PRE_VS_DAY7_POST_LAIV_FLU_VACCINE_BCELL_UP
                                                                                              GSE36826_NORMAL_VS_STAPH_AUREUS_INF_SKIN_UP, GSE36826_NORMAL_VS_STAPH_AUREUS_INF_SKIN_UP
                                                                                              GSE6269_FLU_VS_STAPH_AUREUS_INF_PBMC_UP, GSE6269_FLU_VS_STAPH_AUREUS_INF_PBMC_UP
                                                                                              GSE29618_PRE_VS_DAY7_POST_LAIV_FLU_VACCINE_MONOCYTE_DN, GSE29618_PRE_VS_DAY7_POST_LAIV_FLU_VACCINE_MONOCYTE_DN
                                                                                              GSE37605_TREG_VS_TCONV_C57BL6_FOXP3_IRES_GFP_DN, GSE37605_TREG_VS_TCONV_C57BL6_FOXP3_IRES_GFP_DN
                                                                                              GSE9650_NAIVE_VS_EFF_CD8_TCELL_UP, GSE9650_NAIVE_VS_EFF_CD8_TCELL_UP
                                                                                              GSE23568_CTRL_TRANSDUCED_VS_WT_CD8_TCELL_DN, GSE23568_CTRL_TRANSDUCED_VS_WT_CD8_TCELL_DN
                                                                                              GSE32901_NAIVE_VS_TH17_ENRICHED_CD4_TCELL_DN, GSE32901_NAIVE_VS_TH17_ENRICHED_CD4_TCELL_DN
                                                                                              KAECH_DAY15_EFF_VS_MEMORY_CD8_TCELL_DN, KAECH_DAY15_EFF_VS_MEMORY_CD8_TCELL_DN
                                                                                              GSE6269 HEALTHY VS_FLU_INF_PBMC_UP, GSE6269 HEALTHY_VS_FLU_INF_PBMC_UP
                                                                                              GSE3982_EOSINOPHIL_VS_CENT_MEMORY_CD4_TCELL_DN, GSE3982_EOSINOPHIL_VS_CENT_MEMORY_CD4_TCELL_DN
                                                                                              GSE34205_HEALTHY_VS_FLU_INF_INFANT_PBMC_UP, GSE34205_HEALTHY_VS_FLU_INF_INFANT_PBMC_UP
                                                                                              GSE32423_MEMORY_VS_NAIVE_CD8_TCELL_IL7_DN, GSE32423_MEMORY_VS_NAIVE_CD8_TCELL_IL7_DN
                                                                                              GSE25846 IL10 POS VS_NEG_CD8_TCELL_DAY7_POST_CORONAVIRUS_BRAIN_DN, GSE25846_IL10_POS_VS_NEG_CD8_TCELL_DAY7_POST_CORONAVIRUS_BRAIN_DN
                                                                                              GSE37301_MULTIPOTENT_PROGENITOR_VS_RAG2_KO_NK_CELL_DN, GSE37301_MULTIPOTENT_PROGENITOR_VS_RAG2_KO_NK_CELL_DN
                                                                                              GOLDRATH_EFF_VS_MEMORY_CD8_TCELL_DN, GOLDRATH_EFF_VS_MEMORY_CD8_TCELL_DN
                                                                                              GSE11924 TH2 VS TH17 CD4 TCELL DN, GSE11924 TH2 VS TH17 CD4 TCELL DN
                                                                                              GSE360_DC_VS_MAC_B_MALAYI_LOW_DOSE_DN, GSE360_DC_VS_MAC_B_MALAYI_LOW_DOSE_DN
                                                                                              GSE36826_WT_VS_IL1R_KO_SKIN_DN, GSE36826_WT_VS_IL1R_KO_SKIN_DN
                                                                                             GSE43957_UNTREATED_VS_NACL_TREATED_ANTI_CD3_CD28_STIM_CD4_TCELL_DN, GSE43957_UNTREATED_VS_NACL_TREATED_ANTI_CD3_CD28_STIM_CD4_TCELL_DN
E_TCELL_VS_NEUTROPHIL_UP, GSE22886_NAIVE_TCELL_VS_NEUTROPHIL_UP
                                                                                             GSE1112_OT1_VS_HY_CD8AB_THYMOCYTE_RTOC_CULTURE_UP, GSE1112_OT1_VS_HY_CD8AB_THYMOCYTE_RTOC_CULTURE_UP
                                                                                              GSE3039 NKT CELL VS ALPHABETA CD8 TCELL DN, GSE3039 NKT CELL VS ALPHABETA CD8 TCELL DN
                                                                                              GSE1925_CTRL_VS_IFNG_PRIMED_MACROPHAGE_24H_IFNG_STIM_DN, GSE1925_CTRL_VS_IFNG_PRIMED_MACROPHAGE_24H_IFNG_STIM_DN
                                                                                              GSE29949_MICROGLIA_VS_DC_BRAIN_UP, GSE29949_MICROGLIA_VS_DC_BRAIN_UP
                                                                                              GSE360_L_MAJOR_VS_B_MALAYI_HIGH_DOSE_DC_DN, GSE360_L_MAJOR_VS_B_MALAYI_HIGH_DOSE_DC_DN
                                                                                              GSE11057_NAIVE_CD4_VS_PBMC_CD4_TCELL_UP, GSE11057_NAIVE_CD4_VS_PBMC_CD4_TCELL_UP
                                                                                              GSE5589_LPS_VS_LPS_AND_IL10_STIM_MACROPHAGE_45MIN_UP, GSE5589_LPS_VS_LPS_AND_IL10_STIM_MACROPHAGE_45MIN_UP
                                                                                              KAECH DAY8 EFF VS MEMORY CD8 TCELL DN, KAECH DAY8 EFF VS MEMORY CD8 TCELL DN
                                                                                              GSE4590_PRE_BCELL_VS_LARGE_PRE_BCELL_DN, GSE4590_PRE_BCELL_VS_LARGE_PRE_BCELL_DN
                                                                                              GSE5455_HEALTHY_VS_TUMOR_BEARING_MOUSE_SPLEEN_MONOCYTE_DN, GSE5455_HEALTHY_VS_TUMOR_BEARING_MOUSE_SPLEEN_MONOCYTE_DN
                                                                                              GSE40443_INDUCED_VS_TOTAL_TREG_UP, GSE40443_INDUCED_VS_TOTAL_TREG_UP
                                                                                              KAECH_NAIVE_VS_DAY8_EFF_CD8_TCELL_UP, KAECH_NAIVE_VS_DAY8_EFF_CD8_TCELL_UP
                                                                                              GSE7831_CPG_VS_INFLUENZA_STIM_PDC_4H_UP, GSE7831_CPG_VS_INFLUENZA_STIM_PDC_4H_UP
                                                                                              GSE37301_COMMON_LYMPHOID_PROGENITOR_VS_GRAN_MONO_PROGENITOR_UP, GSE37301_COMMON_LYMPHOID_PROGENITOR_VS_GRAN_MONO_PROGENITOR_UP
                                                                                              GSE29618_MONOCYTE_VS_MDC_DAY7_FLU_VACCINE_DN, GSE29618_MONOCYTE_VS_MDC_DAY7_FLU_VACCINE_DN
                                                                                             GSE3982_NEUTROPHIL_VS_CENT_MEMORY_CD4_TCELL_DN, GSE3982_NEUTROPHIL_VS_CENT_MEMORY_CD4_TCELL_DN
                                                                                              GSE1925_3H_VS_24H_IFNG_STIM_MACROPHAGE_DN, GSE1925_3H_VS_24H_IFNG_STIM_MACROPHAGE_DN
                                                                                              GSE5589_LPS_VS_LPS_AND_IL10_STIM_MACROPHAGE_180MIN_DN, GSE5589_LPS_VS_LPS_AND_IL10_STIM_MACROPHAGE_180MIN_DN
                                                                                              GSE45365_HEALTHY_VS_MCMV_INFECTION_CD8A_DC_IFNAR_KO_DN, GSE45365_HEALTHY_VS_MCMV_INFECTION_CD8A_DC_IFNAR_KO_DN
                                                                                              GSE44732_UNSTIM_VS_IL27_STIM_IMATURE_DC_UP, GSE44732_UNSTIM_VS_IL27_STIM_IMATURE_DC_UP
                                                                                              GSE16522_MEMORY_VS_NAIVE_ANTI_CD3CD28_STIM_CD8_TCELL_DN, GSE16522_MEMORY_VS_NAIVE_ANTI_CD3CD28_STIM_CD8_TCELL_DN
                                                                                              GSE5542_UNTREATED_VS_IFNA_AND_IFNG_TREATED_EPITHELIAL_CELLS_24H_DN, GSE5542_UNTREATED_VS_IFNA_AND_IFNG_TREATED_EPITHELIAL_CELLS_24H_DN
                                                                                              GSE360_LOW_DOSE_B_MALAYI_VS_M_TUBERCULOSIS_MAC_DN, GSE360_LOW_DOSE_B_MALAYI_VS_M_TUBERCULOSIS_MAC_DN
                                                                                              GSE13493_DP_VS_CD4INTCD8POS_THYMOCYTE_DN, GSE13493_DP_VS_CD4INTCD8POS_THYMOCYTE_DN
                                                                                              GSE22611_NOD2_VS_CTRL_TRANSDUCED_HEK293T_CELL_UP, GSE22611_NOD2_VS_CTRL_TRANSDUCED_HEK293T_CELL_UP
                                                                                              GSE10325_LUPUS_BCELL_VS_LUPUS_MYELOID_UP, GSE10325_LUPUS_BCELL_VS_LUPUS_MYELOID_UP
                                                                                              GSE17721_CTRL_VS_LPS_12H_BMDC_DN, GSE17721_CTRL_VS_LPS_12H_BMDC_DN
                                                                                              GSE2770_TGFB_AND_IL4_VS_IL12_TREATED_ACT_CD4_TCELL_2H_UP, GSE2770_TGFB_AND_IL4_VS_IL12_TREATED_ACT_CD4_TCELL_2H_UP
                                                                                              GSE14308_TH2_VS_INDUCED_TREG_DN, GSE14308_TH2_VS_INDUCED_TREG_DN
                                                                                              GSE27241_CTRL_VS_DIGOXIN_TREATED_CD4_TCELL_IN_TH17_POLARIZING_CONDITIONS_DN, GSE27241_CTRL_VS_DIGOXIN_TREATED_CD4_TCELL_IN_TH17_POLARIZING_C
                                                                                              GSE46606_UNSTIM_VS_CD40L_IL2_IL5_3DAY_STIMULATED_IRF4HIGH_SORTED_BCELL_UP, GSE46606_UNSTIM_VS_CD40L_IL2_IL5_3DAY_STIMULATED_IRF4HIGH_SORTED_BCI
                                                                                              GSE26488_CTRL_VS_PEPTIDE_INJECTION_OT2_THYMOCYTE_DN, GSE26488_CTRL_VS_PEPTIDE_INJECTION_OT2_THYMOCYTE_DN
                                                                                              GSE17721_0.5H_VS_24H_LPS_BMDC_UP, GSE17721_0.5H_VS_24H_LPS_BMDC_UP
                                                                                              GSE43955_1H_VS_60H_ACT_CD4_TCELL_UP, GSE43955_1H_VS_60H_ACT_CD4_TCELL_UP
                                                                                              GSE360_HIGH_VS_LOW_DOSE_B_MALAYI_DC_UP, GSE360_HIGH_VS_LOW_DOSE_B_MALAYI_DC_UP
                                                                                              GSE17186_MEMORY_VS_CD21LOW_TRANSITIONAL_BCELL_DN, GSE17186_MEMORY_VS_CD21LOW_TRANSITIONAL_BCELL_DN
                                                                                             GSE27786_CD8_TCELL_VS_NKCELL_UP, GSE27786_CD8_TCELL_VS_NKCELL_UP
                                                                                              GSE21670_IL6_VS_TGFB_AND_IL6_TREATED_CD4_TCELL_UP, GSE21670_IL6_VS_TGFB_AND_IL6_TREATED_CD4_TCELL_UP
                                                                                              GSE33292_DN3_THYMOCYTE_VS_TCF1_KO_TCELL_LYMPHOMA_UP, GSE33292_DN3_THYMOCYTE_VS_TCF1_KO_TCELL_LYMPHOMA_UP
                                                                                              GSE3982_EOSINOPHIL_VS_NKCELL_DN, GSE3982_EOSINOPHIL_VS_NKCELL_DN
                                                                                              GSE3565_CTRL_VS_LPS_INJECTED_SPLENOCYTES_DN, GSE3565_CTRL_VS_LPS_INJECTED_SPLENOCYTES_DN
                                                                                              GSE16385_ROSIGLITAZONE_IL4_VS_IFNG_TNF_STIM_MACROPHAGE_UP, GSE16385_ROSIGLITAZONE_IL4_VS_IFNG_TNF_STIM_MACROPHAGE_UP
                                                                                              GSE1925_CTRL_VS_24H_IFNG_STIM_MACROPHAGE_UP, GSE1925_CTRL_VS_24H_IFNG_STIM_MACROPHAGE_UP
                                                                                              GSE11864_CSF1_PAM3CYS_VS_CSF1_IFNG_PAM3CYS_IN_MAC_UP, GSE11864_CSF1_PAM3CYS_VS_CSF1_IFNG_PAM3CYS_IN_MAC_UP
                                                                                              GSE360_DC_VS_MAC_UP, GSE360_DC_VS_MAC_UP
                                                                                              GSE21927_UNTREATED_VS_GMCSF_IL6_TREATED_BONE_MARROW_UP, GSE21927_UNTREATED_VS_GMCSF_IL6_TREATED_BONE_MARROW_UP
                                                                                              GSE29615_CTRL_VS_DAY7_LAIV_FLU_VACCINE_PBMC_UP, GSE29615_CTRL_VS_DAY7_LAIV_FLU_VACCINE_PBMC_UP
                                                                                              GSE25123_WT_VS_PPARG_KO_MACROPHAGE_IL4_STIM_UP, GSE25123_WT_VS_PPARG_KO_MACROPHAGE_IL4_STIM_UP
                                                                                              GSE3337_CTRL_VS_16H_IFNG_IN_CD8POS_DC_UP, GSE3337_CTRL_VS_16H_IFNG_IN_CD8POS_DC_UP
                                                                                              GSE29618_PDC_VS_MDC_DAY7_FLU_VACCINE_UP, GSE29618_PDC_VS_MDC_DAY7_FLU_VACCINE_UP
                                                                                             GSE7852_THYMUS_VS_FAT_TREG_DN, GSE7852_THYMUS_VS_FAT_TREG_DN
                                                                                              GSE40277_GATA1_AND_SATB1_TRANSDUCED_VS_CTRL_CD4_TCELL_DN, GSE40277_GATA1_AND_SATB1_TRANSDUCED_VS_CTRL_CD4_TCELL_DN
                                                                                              GSE17721_CTRL_VS_CPG_6H_BMDC_DN, GSE17721_CTRL_VS_CPG_6H_BMDC_DN
                                                                                             GSE45365_CD8A_DC_VS_CD11B_DC_UP, GSE45365_CD8A_DC_VS_CD11B_DC_UP
                                                                                              GSE1432_CTRL_VS_IFNG_1H_MICROGLIA_UP, GSE1432_CTRL_VS_IFNG_1H_MICROGLIA_UP
                                                                                              GSE14415_INDUCED_TREG_VS_FOXP3_KO_INDUCED_TREG_UP, GSE14415_INDUCED_TREG_VS_FOXP3_KO_INDUCED_TREG_UP
                                                                                              GSE3982_EFF_MEMORY_CD4_TCELL_VS_NKCELL_DN, GSE3982_EFF_MEMORY_CD4_TCELL_VS_NKCELL_DN
                                                                                              GSE3982_EOSINOPHIL_VS_EFF_MEMORY_CD4_TCELL_DN, GSE3982_EOSINOPHIL_VS_EFF_MEMORY_CD4_TCELL_DN
                                                                                              GSE22886_NAIVE_CD4_TCELL_VS_NKCELL_UP, GSE22886_NAIVE_CD4_TCELL_VS_NKCELL_UP
                                                                                             GSE3982_DC_VS_MAC_LPS_STIM_UP, GSE3982_DC_VS_MAC_LPS_STIM_UP
                                                                                              GSE10325_CD4_TCELL_VS_BCELL_UP, GSE10325_CD4_TCELL_VS_BCELL_UP
                                                                                             GSE2128_CTRL_VS_MIMETOPE_NEGATIVE_SELECTION_DP_THYMOCYTE_C57BL6_UP, GSE2128_CTRL_VS_MIMETOPE_NEGATIVE_SELECTION_DP_THYMOCYTE_C57BL6_UP
                                                                                             GSE13485_CTRL_VS_DAY7_YF17D_VACCINE_PBMC_UP, GSE13485_CTRL_VS_DAY7_YF17D_VACCINE_PBMC_UP
                                                                                              GSE3982_MAC_VS_NEUTROPHIL_LPS_STIM_DN, GSE3982_MAC_VS_NEUTROPHIL_LPS_STIM_DN
                                                                                             GSE20198_UNTREATED_VS_IL12_IL18_TREATED_ACT_CD4_TCELL_UP, GSE20198_UNTREATED_VS_IL12_IL18_TREATED_ACT_CD4_TCELL_UP
                                                                                             GSE42021_TREG_PLN_VS_CD24HI_TREG_THYMUS_UP, GSE42021_TREG_PLN_VS_CD24HI_TREG_THYMUS_UP
                                                                                              GSE3982_MAC_VS_NKCELL_DN, GSE3982_MAC_VS_NKCELL_DN
                                                                                              GSE18281_SUBCAPSULAR_VS_PERIMEDULLARY_CORTICAL_REGION_OF_THYMUS_DN, GSE18281_SUBCAPSULAR_VS_PERIMEDULLARY_CORTICAL_REGION_OF_THYMUS_DN
                                                                                              GSE32533_MIR17_KO_VS_MIR17_OVEREXPRESS_ACT_CD4_TCELL_UP, GSE32533_MIR17_KO_VS_MIR17_OVEREXPRESS_ACT_CD4_TCELL_UP
                                                                                              GSE28449 WT VS LRF KO GERMINAL CENTER BCELL UP, GSE28449 WT VS LRF KO GERMINAL CENTER BCELL UP
                                                                                              GSE22611_NOD2_VS_MUTANT_NOD2_TRANSDUCED_HEK293T_CELL_DN, GSE22611_NOD2_VS_MUTANT_NOD2_TRANSDUCED_HEK293T_CELL_DN
                                                                                             GSE36476 YOUNG VS OLD DONOR MEMORY CD4 TCELL 16H TSST ACT DN, GSE36476 YOUNG VS OLD DONOR MEMORY CD4 TCELL 16H TSST ACT DN
                                                                                              GSE22025_TGFB1_VS_TGFB1_AND_PROGESTERONE_TREATED_CD4_TCELL_DN, GSE22025_TGFB1_VS_TGFB1_AND_PROGESTERONE_TREATED_CD4_TCELL_DN
                                                                                              GSE27786_CD8_TCELL_VS_ERYTHROBLAST_DN, GSE27786_CD8_TCELL_VS_ERYTHROBLAST_DN
                                                                                              GSE22611_UNSTIM_VS_6H_MDP_STIM_NOD2_TRANSDUCED_HEK293T_CELL_DN, GSE22611_UNSTIM_VS_6H_MDP_STIM_NOD2_TRANSDUCED_HEK293T_CELL_DN
                                                                                              GSE2826_XID_VS_BTK_KO_BCELL_UP, GSE2826_XID_VS_BTK_KO_BCELL_UP
                                                                                             GSE18893 CTRL VS TNF_TREATED_TREG_2H_DN, GSE18893 CTRL VS_TNF_TREATED_TREG_2H_DN
                                                                                              GSE2585 THYMIC MACROPHAGE VS MTEC DN, GSE2585 THYMIC MACROPHAGE VS MTEC DN
                                                                                              GSE1925_CTRL_VS_3H_IFNG_STIM_IFNG_PRIMED_MACROPHAGE_DN, GSE1925_CTRL_VS_3H_IFNG_STIM_IFNG_PRIMED_MACROPHAGE_DN
                                                                                              GSE28737_WT_VS_BCL6_KO_FOLLICULAR_BCELL_UP, GSE28737_WT_VS_BCL6_KO_FOLLICULAR_BCELL_UP
                                                                                              GSE24574_BCL6_HIGH_TFH_VS_TFH_CD4_TCELL_UP, GSE24574_BCL6_HIGH_TFH_VS_TFH_CD4_TCELL_UP
                                                                                              GSE8835_HEALTHY_VS_CLL_CD4_TCELL_DN, GSE8835_HEALTHY_VS_CLL_CD4_TCELL_DN
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GSE32901\_TH17\_EMRICHED\_VS\_TH17\_NEG\_CD4\_TCELL\_UP, GSE32901\_TH17\_EMRICHED\_VS\_TH17\_NEG\_CD4\_TCELL\_UP

GSE11961 FOLLICULAR BCELL VS PLASMA CELL DAY7 UP, GSE11961 FOLLICULAR BCELL VS PLASMA CELL DAY7 UP

GSE22025\_UNTREATED\_VS\_PROGESTERONE\_TREATED\_CD4\_TCELL\_UP, GSE22025\_UNTREATED\_VS\_PROGESTERONE\_TREATED\_CD4\_TCELL\_UP

GSE19888\_ADENOSINE\_A3R\_INH\_VS\_TCELL\_MEMBRANES\_ACT\_MAST\_CELL\_DN, GSE19888\_ADENOSINE\_A3R\_INH\_VS\_TCELL\_MEMBRANES\_ACT\_MAST\_CELL\_DN

GSE28737\_WT\_VS\_BCL6\_HET\_FOLLICULAR\_BCELL\_UP, GSE28737\_WT\_VS\_BCL6\_HET\_FOLLICULAR\_BCELL\_UP

GSE7509\_FCGRIIB\_VS\_TNFA\_IL1B\_IL6\_PGE\_STIM\_DC\_DN, GSE7509\_FCGRIIB\_VS\_TNFA\_IL1B\_IL6\_PGE\_STIM\_DC\_DN