```
GSE22886_NAIVE_BCELL_VS_MONOCYTE_DN, GSE22886_NAIVE_BCELL_VS_MONOCYTE_DN
                                                                                                                         GSE32533_WT_VS_MIR17_KO_ACT_CD4_TCELL_DN, GSE32533_WT_VS_MIR17_KO_ACT_CD4_TCELL_DN
                                                                                                                         GSE9988_ANTI_TREM1_VS_ANTI_TREM1_AND_LPS_MONOCYTE_UP, GSE9988_ANTI_TREM1_VS_ANTI_TREM1_AND_LPS_MONOCYTE_UP
                                                                                                                         GSE23695_CD57_POS_VS_NEG_NK_CELL_UP, GSE23695_CD57_POS_VS_NEG_NK_CELL_UP
                                                                                                                         GSE42021_CD24INT_TREG_VS_CD24INT_TCONV_THYMUS_UP, GSE42021_CD24INT_TREG_VS_CD24INT_TCONV_THYMUS_UP
                                                                                                                         GSE10325_LUPUS_BCELL_VS_LUPUS_MYELOID_DN, GSE10325_LUPUS_BCELL_VS_LUPUS_MYELOID_DN
                                                                                                                         GSE9988_ANTI_TREM1_AND_LPS_VS_VEHICLE_TREATED_MONOCYTES_DN, GSE9988_ANTI_TREM1_AND_LPS_VS_VEHICLE_TREATED_MONOCYTES_DN
                                                                                                                         GSE42021_TREG_PLN_VS_CD24HI_TREG_THYMUS_DN, GSE42021_TREG_PLN_VS_CD24HI_TREG_THYMUS_DN
                                                                                                                         GSE19888_CTRL_VS_A3R_INHIBITOR_TREATED_MAST_CELL_DN, GSE19888_CTRL_VS_A3R_INHIBITOR_TREATED_MAST_CELL_DN
                                                                                                                         GSE19888_ADENOSINE_A3R_INH_PRETREAT_AND_ACT_BY_A3R_VS_A3R_INH_AND_TCELL_MEMBRANES_ACT_MAST_CELL_UP, GSE19888_ADENOSINE_A3R_INH_PRETREAT_AND_ACT_BY_A3R_VS_A3R_INH_AND_TCELL_MEMBRANES_ACT_MAST_CELL_UP
                                                                                                                        GSE40655 FOXO1 KO VS WT NTREG UP, GSE40655 FOXO1 KO VS WT NTREG UP
                                                                                                                        GSE37416_CTRL_VS_3H_F_TULARENSIS_LVS_NEUTROPHIL_UP, GSE37416_CTRL_VS_3H_F_TULARENSIS_LVS_NEUTROPHIL_UP
                                                                                                                         GSE16266_CTRL_VS_LPS_STIM_MEF_UP, GSE16266_CTRL_VS_LPS_STIM_MEF_UP
                                                                                                                         GSE7509_DC_VS_MONOCYTE_WITH_FCGRIIB_STIM_UP, GSE7509_DC_VS_MONOCYTE_WITH_FCGRIIB_STIM_UP
                                                                                                                        GSE9988_LPS_VS_LPS_AND_ANTI_TREM1_MONOCYTE_UP, GSE9988_LPS_VS_LPS_AND_ANTI_TREM1_MONOCYTE_UP
                                                                                                                        GSE37533_UNTREATED_VS_PIOGLIZATONE_TREATED_CD4_TCELL_PPARG1_AND_FOXP3_TRASDUCED_DN, GSE37533_UNTREATED_VS_PIOGLIZATONE_TREATED_CD4_TCELL_PPARG1_AND_FOXP3_TRASDUCED_DN
                                                                                                                        GSE18893_TCONV_VS_TREG_2H_TNF_STIM_DN, GSE18893_TCONV_VS_TREG_2H_TNF_STIM_DN
                                                                                                                        GSE41176_UNSTIM_VS_ANTI_IGM_STIM_BCELL_1H_DN, GSE41176_UNSTIM_VS_ANTI_IGM_STIM_BCELL_1H_DN
                                                                                                                        GSE37416_12H_VS_24H_F_TULARENSIS_LVS_NEUTROPHIL_UP, GSE37416_12H_VS_24H_F_TULARENSIS_LVS_NEUTROPHIL_UP
                                                                                                                         GSE12366_GC_VS_MEMORY_BCELL_DN, GSE12366_GC_VS_MEMORY_BCELL_DN
                                                                                                                         GSE9988_LOW_LPS_VS_ANTI_TREM1_AND_LPS_MONOCYTE_UP, GSE9988_LOW_LPS_VS_ANTI_TREM1_AND_LPS_MONOCYTE_UP
                                                                                                                         GSE45365_WT_VS_IFNAR_KO_CD8A_DC_MCMV_INFECTION_UP, GSE45365_WT_VS_IFNAR_KO_CD8A_DC_MCMV_INFECTION_UP
                                                                                                                         GSE37416_CTRL_VS_12H_F_TULARENSIS_LVS_NEUTROPHIL_UP, GSE37416_CTRL_VS_12H_F_TULARENSIS_LVS_NEUTROPHIL_UP
                                                                                                                        GSE15930_STIM_VS_STIM_AND_IL12_48H_CD8_T_CELL_UP, GSE15930_STIM_VS_STIM_AND_IL12_48H_CD8_T_CELL_UP
                                                                                                                         GSE7548_NAIVE_VS_DAY7_PCC_IMMUNIZATION_CD4_TCELL_UP, GSE7548_NAIVE_VS_DAY7_PCC_IMMUNIZATION_CD4_TCELL_UP
                                                                                                                        GSE41176_WT_VS_TAK1_KO_ANTI_IGM_STIM_BCELL_24H_DN, GSE41176_WT_VS_TAK1_KO_ANTI_IGM_STIM_BCELL_24H_DN
                                                                                                                        GSE13484_3H_UNSTIM_VS_YF17D_VACCINE_STIM_PBMC_UP, GSE13484_3H_UNSTIM_VS_YF17D_VACCINE_STIM_PBMC_UP
                                                                                                                        GSE11864_CSF1_VS_CSF1_PAM3CYS_IN_MAC_UP, GSE11864_CSF1_VS_CSF1_PAM3CYS_IN_MAC_UP
                                                                                                                        GSE5589 LPS VS LPS AND IL10 STIM IL6 KO MACROPHAGE 180MIN UP, GSE5589 LPS VS LPS AND IL10 STIM IL6 KO MACROPHAGE 180MIN UP
                                                                                                                        GSE22601_IMMATURE_CD4_SINGLE_POSITIVE_VS_CD8_SINGLE_POSITIVE_THYMOCYTE_UP, GSE22601_IMMATURE_CD4_SINGLE_POSITIVE_VS_CD8_SINGLE_POSITIVE_THYMOCYTE_UP
                                                                                                                        GSE12366_PLASMA_CELL_VS_NAIVE_BCELL_DN, GSE12366_PLASMA_CELL_VS_NAIVE_BCELL_DN
                                                                                                                        GSE14308_TH1_VS_TH17_DN, GSE14308_TH1_VS_TH17_DN
                                                                                                                        GSE13411_PLASMA_CELL_VS_MEMORY_BCELL_DN, GSE13411_PLASMA_CELL_VS_MEMORY_BCELL_DN
                                                                                                                        GSE3039_CD4_TCELL_VS_NKT_CELL_UP, GSE3039_CD4_TCELL_VS_NKT_CELL_UP
                                                                                                                        GSE22140 HEALTHY VS ARTHRITIC GERMFREE MOUSE CD4 TCELL UP, GSE22140 HEALTHY VS ARTHRITIC GERMFREE MOUSE CD4 TCELL UP
                                                                                                                        GSE6092_IFNG_VS_IFNG_AND_B_BURGDORFERI_INF_ENDOTHELIAL_CELL_UP, GSE6092_IFNG_VS_IFNG_AND_B_BURGDORFERI_INF_ENDOTHELIAL_CELL_UP
                                                                                                                        GSE17186_CD21LOW_VS_CD21HIGH_TRANSITIONAL_BCELL_CORD_BLOOD_UP, GSE17186_CD21LOW_VS_CD21HIGH_TRANSITIONAL_BCELL_CORD_BLOOD_UP
                                                                                                                        GSE24671_CTRL_VS_SENDAI_VIRUS_INFECTED_MOUSE_SPLENOCYTES_DN, GSE24671_CTRL_VS_SENDAI_VIRUS_INFECTED_MOUSE_SPLENOCYTES_DN
                                                                                                                        GSE16450_IMMATURE_VS_MATURE_NEURON_CELL_LINE_UP, GSE16450_IMMATURE_VS_MATURE_NEURON_CELL_LINE_UP
                                                                                                                        GSE14769_UNSTIM_VS_60MIN_LPS_BMDM_UP, GSE14769_UNSTIM_VS_60MIN_LPS_BMDM_UP
                                                                                                                        GSE36527_CD69_NEG_VS_POS_TREG_CD62L_LOS_KLRG1_NEG_DN, GSE36527_CD69_NEG_VS_POS_TREG_CD62L_LOS_KLRG1_NEG_DN
                                                                                                                        GSE2770_UNTREATED_VS_IL12_TREATED_ACT_CD4_TCELL_48H_UP, GSE2770_UNTREATED_VS_IL12_TREATED_ACT_CD4_TCELL_48H_UP
                                                                                                                         GSE25088_ROSIGLITAZONE_VS_IL4_AND_ROSIGLITAZONE_STIM_STAT6_KO_MACROPHAGE_DAY10_UP, GSE25088_ROSIGLITAZONE_VS_IL4_AND_ROSIGLITAZONE_STIM_STAT6_KO_MACROPHAGE_DAY10_UP
                                                                                                                         GSE31082_DN_VS_DP_THYMOCYTE_DN, GSE31082_DN_VS_DP_THYMOCYTE_DN
                                                                                                                        GSE43863_TH1_VS_TFH_MEMORY_CD4_TCELL_DN, GSE43863_TH1_VS_TFH_MEMORY_CD4_TCELL_DN
                                                                                                                         GSE6259_FLT3L_INDUCED_33D1_POS_DC_VS_BCELL_DN, GSE6259_FLT3L_INDUCED_33D1_POS_DC_VS_BCELL_DN
                                                                                                                        GSE2770_TGFB_AND_IL4_VS_IL12_TREATED_ACT_CD4_TCELL_48H_DN, GSE2770_TGFB_AND_IL4_VS_IL12_TREATED_ACT_CD4_TCELL_48H_DN
                                                                                                                        GSE9960_HEALTHY_VS_GRAM_POS_SEPSIS_PBMC_UP, GSE9960_HEALTHY_VS_GRAM_POS_SEPSIS_PBMC_UP
                                                                                                                        GSE6259 BCELL VS CD8 TCELL DN, GSE6259 BCELL VS CD8 TCELL DN
                                                                                                                        GSE17301_ACD3_ACD28_VS_ACD3_ACD28_AND_IFNA5_STIM_CD8_TCELL_DN, GSE17301_ACD3_ACD28_VS_ACD3_ACD28_AND_IFNA5_STIM_CD8_TCELL_DN
                                                                                                                        GSE360_CTRL_VS_L_DONOVANI_MAC_UP, GSE360_CTRL_VS_L_DONOVANI_MAC_UP
                                                                                                                        GSE34392 ST2 KO_VS_WT_DAY8_LCMV_EFFECTOR_CD8_TCELL_UP, GSE34392 ST2_KO_VS_WT_DAY8_LCMV_EFFECTOR_CD8_TCELL_UP
                                                                                                                        GSE22432_PDC_VS_TGFB1_TREATEDCOMMON_DC_PROGENITOR_DN, GSE22432_PDC_VS_TGFB1_TREATEDCOMMON_DC_PROGENITOR_DN
                                                                                                                        GSE8621 UNSTIM VS LPS STIM MACROPHAGE DN, GSE8621 UNSTIM VS LPS STIM MACROPHAGE DN
                                                                                                                        GSE19401_NAIVE_VS_IMMUNIZED_MOUSE_PLN_FOLLICULAR_DC_DN, GSE19401_NAIVE_VS_IMMUNIZED_MOUSE_PLN_FOLLICULAR_DC_DN
                                                                                                                        GSE15330_WT_VS_IKAROS_KO_HSC_DN, GSE15330_WT_VS_IKAROS_KO_HSC_DN
                                                                                                                        GSE19198_1H_VS_24H_IL21_TREATED_TCELL_UP, GSE19198_1H_VS_24H_IL21_TREATED_TCELL_UP
                                                                                                                        GSE16385_ROSIGLITAZONE_IL4_VS_IL4_ALONE_STIM_MACROPHAGE_12H_UP, GSE16385_ROSIGLITAZONE_IL4_VS_IL4_ALONE_STIM_MACROPHAGE_12H_UP
                                                                                                                        GSE2770_UNTREATED_VS_TGFB_AND_IL4_TREATED_ACT_CD4_TCELL_4H_UP, GSE2770_UNTREATED_VS_TGFB_AND_IL4_TREATED_ACT_CD4_TCELL_4H_UP
                                                                                                                        GSE15330_WT_VS_IKAROS_KO_LYMPHOID_MULTIPOTENT_PROGENITOR_DN, GSE15330_WT_VS_IKAROS_KO_LYMPHOID_MULTIPOTENT_PROGENITOR_DN
                                                                                                                         ANDERSON_BLOOD_CN54GP140_ADJUVANTED_WITH_GLA_AF_AGE_18_45YO_1DY_DN, ANDERSON_BLOOD_CN54GP140_ADJUVANTED_WITH_GLA_AF_AGE_18_45YO_1DY_DN
                                                                                                                        GSE43863_NAIVE_VS_MEMORY_LY6C_INT_CXCR5POS_CD4_TCELL_D150_LCMV_UP, GSE43863_NAIVE_VS_MEMORY_LY6C_INT_CXCR5POS_CD4_TCELL_D150_LCMV_UP
                                                                                                                        GSE369_PRE_VS_POST_IL6_INJECTION_SOCS3_KO_LIVER_DN, GSE369_PRE_VS_POST_IL6_INJECTION_SOCS3_KO_LIVER_DN
                                                                                                                        GSE37532_TREG_VS_TCONV_PPARG_KO_CD4_TCELL_FROM_VISCERAL_ADIPOSE_TISSUE_DN, GSE37532_TREG_VS_TCONV_PPARG_KO_CD4_TCELL_FROM_VISCERAL_ADIPOSE_TISSUE_DN
                                                                                                                         GSE22935_WT_VS_MYD88_KO_MACROPHAGE_UP, GSE22935_WT_VS_MYD88_KO_MACROPHAGE_UP
                                                                                                                        GSE15271 CXCR4 POS VS NEG GC BCELL DN, GSE15271 CXCR4 POS VS NEG GC BCELL DN
                                                                                                                        GSE2706_LPS_VS_R848_AND_LPS_8H_STIM_DC_UP, GSE2706_LPS_VS_R848_AND_LPS_8H_STIM_DC_UP
                                                                                                                        GSE26559_TCF1_KO_VS_WT_LIN_NEG_CELL_UP, GSE26559_TCF1_KO_VS_WT_LIN_NEG_CELL_UP
                                                                                                                        GSE42724_NAIVE_BCELL_VS_PLASMABLAST_DN, GSE42724_NAIVE_BCELL_VS_PLASMABLAST_DN
                                                                                                                         SCHERER_PBMC_APSV_WETVAX_AGE_18_32YO_50_TO_60DY_DN, SCHERER_PBMC_APSV_WETVAX_AGE_18_32YO_50_TO_60DY_DN
                                                                                                                        GSE27786_LSK_VS_NKCELL_DN, GSE27786_LSK_VS_NKCELL_DN
                                                                                                                        GSE17301_IFNA2_VS_IFNA5_STIM_ACD3_ACD28_ACT_CD8_TCELL_UP, GSE17301_IFNA2_VS_IFNA5_STIM_ACD3_ACD28_ACT_CD8_TCELL_UP
                                                                                                                        GSE36392_MAC_VS_NEUTROPHIL_IL25_TREATED_LUNG_UP, GSE36392_MAC_VS_NEUTROPHIL_IL25_TREATED_LUNG_UP
                                                                                                                        GSE17721_0.5H_VS_24H_GARDIQUIMOD_BMDC_UP, GSE17721_0.5H_VS_24H_GARDIQUIMOD_BMDC_UP
                                                                                                                        GSE37416_0H_VS_12H_F_TULARENSIS_LVS_NEUTROPHIL_UP, GSE37416_0H_VS_12H_F_TULARENSIS_LVS_NEUTROPHIL_UP
                                                                                                                        GSE25088_IL4_VS_IL4_AND_ROSIGLITAZONE_STIM_STAT6_KO_MACROPHAGE_DAY10_UP, GSE25088_IL4_VS_IL4_AND_ROSIGLITAZONE_STIM_STAT6_KO_MACROPHAGE_DAY10_UP
                                                                                                                        GSE7460_FOXP3_MUT_VS_WT_ACT_WITH_TGFB_TCONV_DN, GSE7460_FOXP3_MUT_VS_WT_ACT_WITH_TGFB_TCONV_DN
                                                                                                                        GSE15330_WT_VS_IKAROS_KO_GRANULOCYTE_MONOCYTE_PROGENITOR_DN, GSE15330_WT_VS_IKAROS_KO_GRANULOCYTE_MONOCYTE_PROGENITOR_DN
                                                                                                                        GSE24142_EARLY_THYMIC_PROGENITOR_VS_DN2_THYMOCYTE_FETAL_UP, GSE24142_EARLY_THYMIC_PROGENITOR_VS_DN2_THYMOCYTE_FETAL_UP
                                                                                                                        GSE27786_LIN_NEG_VS_BCELL_DN, GSE27786_LIN_NEG_VS_BCELL_DN
                                                                                                                       GSE11924_TH1_VS_TH2_CD4_TCELL_UP, GSE11924_TH1_VS_TH2_CD4_TCELL_UP
                                                                                                                       GSE21380_NON_TFH_VS_TFH_CD4_TCELL_UP, GSE21380_NON_TFH_VS_TFH_CD4_TCELL_UP
                                                                                                                       GSE17721_LPS_VS_POLYIC_24H_BMDC_DN, GSE17721_LPS_VS_POLYIC_24H_BMDC_DN
                                                                                                                       GSE16385_IFNG_TNF_VS_IL4_STIM_MACROPHAGE_UP, GSE16385_IFNG_TNF_VS_IL4_STIM_MACROPHAGE_UP
                                                                                                                       GSE6259 DEC205 POS DC VS CD4 TCELL DN, GSE6259 DEC205 POS DC VS CD4 TCELL DN
                                                                                                                       GSE360_CTRL_VS_M_TUBERCULOSIS_MAC_UP, GSE360_CTRL_VS_M_TUBERCULOSIS_MAC_UP
                                                                                                                       GSE39820_CTRL_VS_TGFBETA1_IL6_IL23A_CD4_TCELL_DN, GSE39820_CTRL_VS_TGFBETA1_IL6_IL23A_CD4_TCELL_DN
                                                                                                                        GSE27786 NEUTROPHIL VS MONO MAC UP, GSE27786 NEUTROPHIL VS MONO MAC UP
                                                                                                                        GSE9650_NAIVE_VS_MEMORY_CD8_TCELL_DN, GSE9650_NAIVE_VS_MEMORY_CD8_TCELL_DN
                                                                                                                       GSE9650_NAIVE_VS_EFF_CD8_TCELL_DN, GSE9650_NAIVE_VS_EFF_CD8_TCELL_DN
                                                                                                                       GSE8868_SPLEEN_VS_INTESTINE_CD11B_POS_CD11C_NEG_DC_UP, GSE8868_SPLEEN_VS_INTESTINE_CD11B_POS_CD11C_NEG_DC_UP
                                                                                                                        GSE8921_UNSTIM_0H_VS_TLR1_2_STIM_MONOCYTE_12H_DN, GSE8921_UNSTIM_0H_VS_TLR1_2_STIM_MONOCYTE_12H_DN
                                                                                                                        GSE3920_UNTREATED_VS_IFNB_TREATED_ENDOTHELIAL_CELL_UP, GSE3920_UNTREATED_VS_IFNB_TREATED_ENDOTHELIAL_CELL_UP
                                                                                                                        GSE17721_POLYIC_VS_PAM3CSK4_16H_BMDC_UP, GSE17721_POLYIC_VS_PAM3CSK4_16H_BMDC_UP
                                                                                                                        GSE3982_MAST_CELL_VS_TH2_UP, GSE3982_MAST_CELL_VS_TH2_UP
                                                                                                                        GSE17721_POLYIC_VS_GARDIQUIMOD_24H_BMDC_UP, GSE17721_POLYIC_VS_GARDIQUIMOD_24H_BMDC_UP
                                                                                                                        GSE26343_WT_VS_NFAT5_KO_MACROPHAGE_LPS_STIM_UP, GSE26343_WT_VS_NFAT5_KO_MACROPHAGE_LPS_STIM_UP
                                                                                                                         GSE3039 NKT CELL VS B2 BCELL UP, GSE3039 NKT CELL VS B2 BCELL UP
                                                                                                                        GSE22196_HEALTHY_VS_OBESE_MOUSE_SKIN_GAMMADELTA_TCELL_UP, GSE22196_HEALTHY_VS_OBESE_MOUSE_SKIN_GAMMADELTA_TCELL_UP
                                                                                                                        - GSE19401 UNSTIM VS RETINOIC ACID STIM FOLLICULAR DC UP, GSE19401 UNSTIM VS RETINOIC ACID STIM FOLLICULAR DC UP
VS CTRL TREATED MONOCYTES DN, GSE9988 ANTI TREM1 AND LPS VS CTRL TREATED MONOCYTES DN
                                                                                                                        GSE39820_CTRL_VS_TGFBETA3_IL6_IL23A_CD4_TCELL_DN, GSE39820_CTRL_VS_TGFBETA3_IL6_IL23A_CD4_TCELL_DN
                                                                                                                        GSE6259_33D1_POS_VS_DEC205_POS_SPLENIC_DC_UP, GSE6259_33D1_POS_VS_DEC205_POS_SPLENIC_DC_UP
                                                                                                                         GSE360_L_DONOVANI_VS_L_MAJOR_MAC_UP, GSE360_L_DONOVANI_VS_L_MAJOR_MAC_UP
                                                                                                                         GSE24574_BCL6_HIGH_VS_LOW_TFH_CD4_TCELL_UP, GSE24574_BCL6_HIGH_VS_LOW_TFH_CD4_TCELL_UP
                                                                                                                         GSE24634 IL4 VS CTRL TREATED NAIVE CD4 TCELL DAY5 UP, GSE24634 IL4 VS CTRL TREATED NAIVE CD4 TCELL DAY5 UP
                                                                                                                         GSE29618_PRE_VS_DAY7_POST_LAIV_FLU_VACCINE_MDC_DN, GSE29618_PRE_VS_DAY7_POST_LAIV_FLU_VACCINE_MDC_DN
                                                                                                                         GSE26030_UNSTIM_VS_RESTIM_TH17_DAY15_POST_POLARIZATION_DN, GSE26030_UNSTIM_VS_RESTIM_TH17_DAY15_POST_POLARIZATION_DN
                                                                                                                         GSE28237_EARLY_VS_LATE_GC_BCELL_DN, GSE28237_EARLY_VS_LATE_GC_BCELL_DN
                                                                                                                         GSE34006_UNTREATED_VS_A2AR_AGONIST_TREATED_TREG_DN, GSE34006_UNTREATED_VS_A2AR_AGONIST_TREATED_TREG_DN
                                                                                                                         GSE20715_0H_VS_24H_OZONE_LUNG_UP, GSE20715_0H_VS_24H_OZONE_LUNG_UP
                                                                                                                        GSE1432_CTRL_VS_IFNG_1H_MICROGLIA_UP, GSE1432_CTRL_VS_IFNG_1H_MICROGLIA_UP
                                                                                                                        GSE6259 FLT3L INDUCED VS WT SPLENIC DC 33D1 POS UP, GSE6259 FLT3L INDUCED VS WT SPLENIC DC 33D1 POS UP
                                                                                                                        GSE17721_POLYIC_VS_GARDIQUIMOD_8H_BMDC_UP, GSE17721_POLYIC_VS_GARDIQUIMOD_8H_BMDC_UP
                                                                                                                        GSE4984 GALECTIN1 VS LPS STIM DC UP, GSE4984 GALECTIN1 VS LPS STIM DC UP
                                                                                                                        GSE40274_EOS_VS_FOXP3_AND_EOS_TRANSDUCED_ACTIVATED_CD4_TCELL_UP, GSE40274_EOS_VS_FOXP3_AND_EOS_TRANSDUCED_ACTIVATED_CD4_TCELL_UP
                                                                                                                        GSE5589 LPS VS LPS AND IL10 STIM MACROPHAGE 45MIN DN, GSE5589 LPS VS LPS AND IL10 STIM MACROPHAGE 45MIN DN
                                                                                                                        ZAK_PBMC_MRKAD5_HIV_1_GAG_POL_NEF_AGE_20_50YO_3DY_UP, ZAK_PBMC_MRKAD5_HIV_1_GAG_POL_NEF_AGE_20_50YO_3DY_UP
                                                                                                                        GSE32128_INOS_DEPENDENT_VS_INOS_INDEPENDENT_ACTIVATED_TCELL_UP, GSE32128_INOS_DEPENDENT_VS_INOS_INDEPENDENT_ACTIVATED_TCELL_UP
                                                                                                                        GSE22611_NOD2_VS_CTRL_TRANSDUCED_HEK293T_CELL_DN, GSE22611_NOD2_VS_CTRL_TRANSDUCED_HEK293T_CELL_DN
                                                                                                                        GSE40274_CTRL_VS_GATA1_TRANSDUCED_ACTIVATED_CD4_TCELL_UP, GSE40274_CTRL_VS_GATA1_TRANSDUCED_ACTIVATED_CD4_TCELL_UP
                                                                                                                        GSE17580_UNINFECTED_VS_S_MANSONI_INF_TREG_UP, GSE17580_UNINFECTED_VS_S_MANSONI_INF_TREG_UP
                                                                                                                        GSE17721_PAM3CSK4_VS_CPG_24H_BMDC_DN, GSE17721_PAM3CSK4_VS_CPG_24H_BMDC_DN
                                                                                                                        GSE5503_MLN_DC_VS_SPLEEN_DC_ACTIVATED_ALLOGENIC_TCELL_UP, GSE5503_MLN_DC_VS_SPLEEN_DC_ACTIVATED_ALLOGENIC_TCELL_UP
                                                                                                                        GSE33425_CD161_HIGH_VS_NEG_CD8_TCELL_UP, GSE33425_CD161_HIGH_VS_NEG_CD8_TCELL_UP
                                                                                                                        GSE3039_ALPHABETA_CD8_TCELL_VS_B2_BCELL_UP, GSE3039_ALPHABETA_CD8_TCELL_VS_B2_BCELL_UP
                                                                                                                        GSE30962_ACUTE_VS_CHRONIC_LCMV_SECONDARY_INF_CD8_TCELL_UP, GSE30962_ACUTE_VS_CHRONIC_LCMV_SECONDARY_INF_CD8_TCELL_UP
                                                                                                                        GSE23502_BM_VS_COLON_TUMOR_MYELOID_DERIVED_SUPPRESSOR_CELL_DN, GSE23502_BM_VS_COLON_TUMOR_MYELOID_DERIVED_SUPPRESSOR_CELL_DN
                                                                                                                        GSE3982_NKCELL_VS_TH2_UP, GSE3982_NKCELL_VS_TH2_UP
                                                                                                                        GSE25088_IL4_VS_IL4_AND_ROSIGLITAZONE_STIM_MACROPHAGE_DAY10_UP, GSE25088_IL4_VS_IL4_AND_ROSIGLITAZONE_STIM_MACROPHAGE_DAY10_UP
                                                                                                                        GSE14308_TH2_VS_NAIVE_CD4_TCELL_DN, GSE14308_TH2_VS_NAIVE_CD4_TCELL_DN
                                                                                                                        GSE17580_TREG_VS_TEFF_DN, GSE17580_TREG_VS_TEFF_DN
                                                                                                                        GSE19888_ADENOSINE_A3R_ACT_VS_TCELL_MEMBRANES_ACT_AND_A3R_INH_PRETREAT_IN_MAST_CELL_DN, GSE19888_ADENOSINE_A3R_ACT_VS_TCELL_MEMBRANES_ACT_AND_A3R_INH_PRETREAT_IN_MAST_CELL_DN
                                                                                                                        GSE12845_IGD_NEG_BLOOD_VS_NAIVE_TONSIL_BCELL_DN, GSE12845_IGD_NEG_BLOOD_VS_NAIVE_TONSIL_BCELL_DN
                                                                                                                        GSE9239_CTRL_VS_TNF_INHIBITOR_TREATED_DC_UP, GSE9239_CTRL_VS_TNF_INHIBITOR_TREATED_DC_UP
                                                                                                                         GSE3982_EOSINOPHIL_VS_MAST_CELL_UP, GSE3982_EOSINOPHIL_VS_MAST_CELL_UP
                                                                                                                         GSE28726_NAIVE_CD4_TCELL_VS_NAIVE_NKTCELL_DN, GSE28726_NAIVE_CD4_TCELL_VS_NAIVE_NKTCELL_DN
                                                                                                                        GSE40274_CTRL_VS_FOXP3_AND_PBX1_TRANSDUCED_ACTIVATED_CD4_TCELL_UP, GSE40274_CTRL_VS_FOXP3_AND_PBX1_TRANSDUCED_ACTIVATED_CD4_TCELL_UP
                                                                                                                        GSE360_T_GONDII_VS_B_MALAYI_HIGH_DOSE_DC_DN, GSE360_T_GONDII_VS_B_MALAYI_HIGH_DOSE_DC_DN
                                                                                                                        GSE360_CTRL_VS_T_GONDII_DC_UP, GSE360_CTRL_VS_T_GONDII_DC_UP
                                                                                                                        GSE4142_GC_BCELL_VS_MEMORY_BCELL_UP, GSE4142_GC_BCELL_VS_MEMORY_BCELL_UP
                                                                                                                        GSE7460_CD8_TCELL_VS_TREG_ACT_UP, GSE7460_CD8_TCELL_VS_TREG_ACT_UP
                                                                                                                        GSE3039_NKT_CELL_VS_B1_BCELL_UP, GSE3039_NKT_CELL_VS_B1_BCELL_UP
                                                                                                                        GSE14308_TH1_VS_NAIVE_CD4_TCELL_DN, GSE14308_TH1_VS_NAIVE_CD4_TCELL_DN
                                                                                                                        GSE27786_LSK_VS_NEUTROPHIL_DN, GSE27786_LSK_VS_NEUTROPHIL_DN
                                                                                                                        GSE20500_CTRL_VS_RARA_ANTAGONIST_TREATED_CD4_TCELL_UP, GSE20500_CTRL_VS_RARA_ANTAGONIST_TREATED_CD4_TCELL_UP
                                                                                                                         GSE2770_IL4_ACT_VS_ACT_CD4_TCELL_48H_DN, GSE2770_IL4_ACT_VS_ACT_CD4_TCELL_48H_DN
                                                                                                                        GSE37532_VISCERAL_ADIPOSE_TISSUE_VS_LN_DERIVED_PPARG_KO_TREG_CD4_TCELL_DN, GSE37532_VISCERAL_ADIPOSE_TISSUE_VS_LN_DERIVED_PPARG_KO_TREG_CD4_TCELL_DN
                                                                                                                        PATEL_SKIN_OF_BODY_ZOSTAVAX_AGE_70_93YO_VZV_CHALLENGE_3DY_UP, PATEL_SKIN_OF_BODY_ZOSTAVAX_AGE_70_93YO_VZV_CHALLENGE_3DY_UP
                                                                                                                        GSE43863_DAY6_EFF_VS_DAY150_MEM_TH1_CD4_TCELL_DN, GSE43863_DAY6_EFF_VS_DAY150_MEM_TH1_CD4_TCELL_DN
                                                                                                                        GSE18281_PERIMEDULLARY_CORTICAL_REGION_VS_WHOLE_CORTEX_THYMUS_UP, GSE18281_PERIMEDULLARY_CORTICAL_REGION_VS_WHOLE_CORTEX_THYMUS_UP
                                                                                                                        GSE41087_WT_VS_FOXP3_MUT_ANTI_CD3_CD28_STIM_CD4_TCELL_UP, GSE41087_WT_VS_FOXP3_MUT_ANTI_CD3_CD28_STIM_CD4_TCELL_UP
                                                                                                                        GSE27859_CD11C_INT_F480_HI_MACROPHAGE_VS_CD11C_ING_F480_INT_DC_DN, GSE27859_CD11C_INT_F480_HI_MACROPHAGE_VS_CD11C_ING_F480_INT_DC_DN
                                                                                                                        GSE2128_CTRL_VS_MIMETOPE_NEGATIVE_SELECTION_DP_THYMOCYTE_NOD_DN, GSE2128_CTRL_VS_MIMETOPE_NEGATIVE_SELECTION_DP_THYMOCYTE_NOD_DN
                                                                                                                        GSE17721_PAM3CSK4_VS_GADIQUIMOD_0.5H_BMDC_DN, GSE17721_PAM3CSK4_VS_GADIQUIMOD_0.5H_BMDC_DN
                                                                                                                         GSE27670_BLIMP1_VS_LMP1_TRANSDUCED_GC_BCELL_UP, GSE27670_BLIMP1_VS_LMP1_TRANSDUCED_GC_BCELL_UP
                                                                                                                        GSE17721 POLYIC VS GARDIQUIMOD 1H BMDC UP, GSE17721 POLYIC VS GARDIQUIMOD 1H BMDC UP
                                                                                                                         GSE3982_BASOPHIL_VS_NKCELL_UP, GSE3982_BASOPHIL_VS_NKCELL_UP
                                                                                                                        GSE4984 UNTREATED VS VEHICLE CTRL TREATED DC UP, GSE4984 UNTREATED VS VEHICLE CTRL TREATED DC UP
                                                                                                                         GAUCHER_PBMC_YF_VAX_STAMARIL_UNKNOWN_AGE_10DY_DN, GAUCHER_PBMC_YF_VAX_STAMARIL_UNKNOWN_AGE_10DY_DN
                                                                                                                        GSE3982 EOSINOPHIL VS TH2 UP, GSE3982 EOSINOPHIL VS TH2 UP
                                                                                                                        GSE37532_WT_VS_PPARG_KO_VISCERAL_ADIPOSE_TISSUE_TCONV_UP, GSE37532_WT_VS_PPARG_KO_VISCERAL_ADIPOSE_TISSUE_TCONV_UP
                                                                                                                        GSE17721 PAM3CSK4 VS GADIOUIMOD 16H BMDC UP, GSE17721 PAM3CSK4 VS GADIOUIMOD 16H BMDC UP
                                                                                                                        GSE23321_CENTRAL_VS_EFFECTOR_MEMORY_CD8_TCELL_UP, GSE23321_CENTRAL_VS_EFFECTOR_MEMORY_CD8_TCELL_UP
                                                                                                                        GSE21546 SAP1A KO VS SAP1A KO AND ELK1 KO DP THYMOCYTES DN, GSE21546 SAP1A KO VS SAP1A KO AND ELK1 KO DP THYMOCYTES DN
                                                                                                                        GSE35685_CD34POS_CD38NEG_VS_CD34POS_CD10POS_BONE_MARROW_UP, GSE35685_CD34POS_CD38NEG_VS_CD34POS_CD10POS_BONE_MARROW_UP
                                                                                                                        BUCASAS_PBMC_FLUARIX_FLUVIRIN_CAUCASIAN_MALE_AGE_18_40YO_HIGH_RESPONDERS_1DY_TOP_FUNCTIONAL_NETWORK_POSITIVE,
                                                                                                                        GSE360_HIGH_DOSE_B_MALAYI_VS_M_TUBERCULOSIS_MAC_DN, GSE360_HIGH_DOSE_B_MALAYI_VS_M_TUBERCULOSIS_MAC_DN
                                                                                                                        GSE22886 IGG IGA MEMORY BCELL VS BLOOD PLASMA CELL UP, GSE22886 IGG IGA MEMORY BCELL VS BLOOD PLASMA CELL UP
                                                                                                                        GSE11961_FOLLICULAR_BCELL_VS_MEMORY_BCELL_DAY40_UP, GSE11961_FOLLICULAR_BCELL_VS_MEMORY_BCELL_DAY40_UP
                                                                                                                        GSE6566_STRONG_VS_WEAK_DC_STIMULATED_CD4_TCELL_DN, GSE6566_STRONG_VS_WEAK_DC_STIMULATED_CD4_TCELL_DN
                                                                                                                        GSE25088_IL4_VS_IL4_AND_ROSIGLITAZONE_STIM_MACROPHAGE_DAY10_DN, GSE25088_IL4_VS_IL4_AND_ROSIGLITAZONE_STIM_MACROPHAGE_DAY10_DN
                                                                                                                        GSE12003_MIR223_KO_VS_WT_BM_PROGENITOR_8D_CULTURE_UP, GSE12003_MIR223_KO_VS_WT_BM_PROGENITOR_8D_CULTURE_UP
                                                                                                                        GSE37301_HEMATOPOIETIC_STEM_CELL_VS_GRAN_MONO_PROGENITOR_UP, GSE37301_HEMATOPOIETIC_STEM_CELL_VS_GRAN_MONO_PROGENITOR_UP
                                                                                                                        GSE28783_CTRL_ANTI_MIR_VS_UNTREATED_ATHEROSCLEROSIS_MACROPHAGE_DN, GSE28783_CTRL_ANTI_MIR_VS_UNTREATED_ATHEROSCLEROSIS_MACROPHAGE_DN
                                                                                                                        GSE45365_NK_CELL_VS_CD8_TCELL_DN, GSE45365_NK_CELL_VS_CD8_TCELL_DN
                                                                                                                        GSE7460_TREG_VS_TCONV_ACT_WITH_TGFB_UP, GSE7460_TREG_VS_TCONV_ACT_WITH_TGFB_UP
                                                                                                                         LI_PBMC_MENOMUNE_A_C_Y_W_135_AGE_18_45YO_3DY_UP, LI_PBMC_MENOMUNE_A_C_Y_W_135_AGE_18_45YO_3DY_UP
                                                                                                                        GSE360_L_MAJOR_VS_M_TUBERCULOSIS_DC_DN, GSE360_L_MAJOR_VS_M_TUBERCULOSIS_DC_DN
                                                                                                                         GSE17721_CTRL_VS_LPS_2H_BMDC_DN, GSE17721_CTRL_VS_LPS_2H_BMDC_DN
                                                                                                                         MATSUMIYA_PBMC_MODIFIED_VACCINIA_ANKARA_VACCINE_AGE_18_55YO_HIGH_RESPONDERS_0DY_UP, MATSUMIYA_PBMC_MODIFIED_VACCINIA_ANKARA_VACCINE_AGE_18_55YO_HIGH_RESPONDERS_0DY_UP
                                                                                                                         GSE29949_CD8_NEG_DC_SPLEEN_VS_CD8_POS_DC_SPLEEN_DN, GSE29949_CD8_NEG_DC_SPLEEN_VS_CD8_POS_DC_SPLEEN_DN
                                                                                                                        GSE43955_TH0_VS_TGFB_IL6_TH17_ACT_CD4_TCELL_52H_UP, GSE43955_TH0_VS_TGFB_IL6_TH17_ACT_CD4_TCELL_52H_UP
                                                                                                                        GSE30971 WBP7 HET VS KO MACROPHAGE DN, GSE30971 WBP7 HET VS KO 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
                                                                                                                        GSE17721_LPS_VS_PAM3CSK4_0.5H_BMDC_DN, GSE17721_LPS_VS_PAM3CSK4_0.5H_BMDC_DN
                                                                                                                        GSE17721_LPS_VS_POLYIC_1H_BMDC_UP, GSE17721_LPS_VS_POLYIC_1H_BMDC_UP
                                                                                                                        GSE13547_CTRL_VS_ANTI_IGM_STIM_ZFX_KO_BCELL_12H_UP, GSE13547_CTRL_VS_ANTI_IGM_STIM_ZFX_KO_BCELL_12H_UP
                                                                                                                        GSE37301_RAG2_KO_VS_RAG2_AND_ETS1_KO_NK_CELL_UP, GSE37301_RAG2_KO_VS_RAG2_AND_ETS1_KO_NK_CELL_UP
                                                                                                                        GSE3982_DC_VS_MAC_DN, GSE3982_DC_VS_MAC_DN
                                                                                                                        HIPC_SIGNATURES_PROJECT_PBMC_TRIVALENT_INFLUENZA_VACCINE_HIGH_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VOUNGER_ADULTS_21_35_HIGH_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VOUNGER_ADULTS_21_35_HIGH_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VS_LOW_RESPONDERS_VS
                                                                                                                        QI_PBMC_ZOSTAVAX_AGE_50_75YO_CORRELATED_WITH_T_CELL_RESPONSES_1D_INFORMATIVE_OF_LONG_TERM_RESPONSES_NEGATIVE,
                                                                                                                        COLE_BLOOD_FLUZONE_FLUARIX_AGE_03_17YO_7DY_DN, COLE_BLOOD_FLUZONE_FLUARIX_AGE_03_17YO_7DY_DN
                                                                                                                         QIU_PBMC_HEPTATITIS_B_SURFACE_ANTIGEN_AGE_UNDER50_NON_RESPONDERS_VS_RESPONDERS_28DY_DN, QIU_PBMC_HEPTATITIS_B_SURFACE_ANTIGEN_AGE_UNDER50_NON_RESPONDERS_VS_RESPONDERS_28DY_DN
                                                                                                                         GSE24574_BCL6_LOW_TFH_VS_TCONV_CD4_TCELL_UP, GSE24574_BCL6_LOW_TFH_VS_TCONV_CD4_TCELL_UP
                                                                                                                         GSE46606_DAY1_VS_DAY3_CD40L_IL2_IL5_STIMULATED_IRF4MID_BCELL_UP, GSE46606_DAY1_VS_DAY3_CD40L_IL2_IL5_STIMULATED_IRF4MID_BCELL_UP
                                                                                                                         GSE35435_RESTING_VS_IL4_TREATED_MACROPHAGE_DN, GSE35435_RESTING_VS_IL4_TREATED_MACROPHAGE_DN
                                                                                                                         GSE360 L MAJOR VS B MALAYI HIGH DOSE DC UP, GSE360 L MAJOR VS B MALAYI HIGH DOSE DC UP
                                                                                                                         GSE26495_PD1HIGH_VS_PD1LOW_CD8_TCELL_UP, GSE26495_PD1HIGH_VS_PD1LOW_CD8_TCELL_UP
                                                                                                                         HARALAMBIEVA PBMC FLUARIX AGE 50 74YO CORR WITH 28D MEM B CELL RESPONSE AT 28DY LEUK MIGR MAPK ACT CYTOK SIG DIAB OF THE YNG POSITIVE, HARALAMBIEVA PBMC FLUARIX AGE 50 74YO CORR WITH 28D MEM B CELL RESPONSE AT 28DY LEUK MIGR MAPK ACT CYTOK SIG
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GSE36078_WT_VS_IL1R_KO_LUNG_DC_UP, GSE36078_WT_VS_IL1R_KO_LUNG_DC_UP