```
GSE37416_CTRL_VS_6H_F_TULARENSIS_LVS_NEUTROPHIL_UP, GSE37416_CTRL_VS_6H_F_TULARENSIS_LVS_NEUTROPHIL_UP
                                                                                                                                               GSE32533 WT VS MIR17 KO ACT CD4 TCELL DN, GSE32533 WT VS MIR17 KO ACT CD4 TCELL DN
                                                                                                                                               GSE29617_CTRL_VS_TIV_FLU_VACCINE_PBMC_2008_DN, GSE29617_CTRL_VS_TIV_FLU_VACCINE_PBMC_2008_DN
                                                                                                                                               GSE25088 IL4 VS IL4 AND ROSIGLITAZONE STIM STAT6 KO MACROPHAGE DAY10 UP, GSE25088 IL4 VS IL4 AND ROSIGLITAZONE STIM STAT6 KO MACROPHAGE DAY10 UP
                                                                                                                                               GSE46468_LUNG_INNATE_LYMPHOID_CELL_VS_SPLEEN_CD4_TCELL_UP, GSE46468_LUNG_INNATE_LYMPHOID_CELL_VS_SPLEEN_CD4_TCELL_UP
                                                                                                                                               GSE23321 CD8 STEM CELL MEMORY VS CENTRAL MEMORY CD8 TCELL DN, GSE23321 CD8 STEM CELL MEMORY VS CENTRAL MEMORY CD8 TCELL DN
                                                                                                                                               GSE21927_SPLEEN_C57BL6_VS_EL4_TUMOR_BALBC_MONOCYTES_UP, GSE21927_SPLEEN_C57BL6_VS_EL4_TUMOR_BALBC_MONOCYTES_UP
                                                                                                                                               GSE40666_WT_VS_STAT4_KO_CD8_TCELL_DN, GSE40666_WT_VS_STAT4_KO_CD8_TCELL_DN
                                                                                                                                               GSE36392_EOSINOPHIL_VS_MAC_IL25_TREATED_LUNG_DN, GSE36392_EOSINOPHIL_VS_MAC_IL25_TREATED_LUNG_DN
                                                                                                                                               GSE11864_CSF1_IFNG_VS_CSF1_PAM3CYS_IN_MAC_UP, GSE11864_CSF1_IFNG_VS_CSF1_PAM3CYS_IN_MAC_UP
                                                                                                                                               GSE7568_IL4_TGFB_DEXAMETHASONE_VS_IL4_TGFB_TREATED_MACROPHAGE_DN, GSE7568_IL4_TGFB_DEXAMETHASONE_VS_IL4_TGFB_TREATED_MACROPHAGE_DN
                                                                                                                                               GSE37416_CTRL_VS_12H_F_TULARENSIS_LVS_NEUTROPHIL_UP, GSE37416_CTRL_VS_12H_F_TULARENSIS_LVS_NEUTROPHIL_UP
                                                                                                                                               GSE22886_TH1_VS_TH2_48H_ACT_DN, GSE22886_TH1_VS_TH2_48H_ACT_DN
                                                                                                                                               GSE37533_UNTREATED_VS_PIOGLIZATONE_TREATED_CD4_TCELL_PPARG2_AND_FOXP3_TRASDUCED_DN, GSE37533_UNTREATED_VS_PIOGLIZATONE_TREATED_CD4_TCELL_PPARG2_AND_FOX
                                                                                                                                               GSE15330_LYMPHOID_MULTIPOTENT_VS_GRANULOCYTE_MONOCYTE_PROGENITOR_DN, GSE15330_LYMPHOID_MULTIPOTENT_VS_GRANULOCYTE_MONOCYTE_PROGENITOR_DN
                                                                                                                                               GSE21063_3H_VS_16H_ANTI_IGM_STIM_BCELL_DN, GSE21063_3H_VS_16H_ANTI_IGM_STIM_BCELL_DN
                                                                                                                                               GSE5589_LPS_AND_IL10_VS_LPS_AND_IL6_STIM_MACROPHAGE_45MIN_UP, GSE5589_LPS_AND_IL10_VS_LPS_AND_IL6_STIM_MACROPHAGE_45MIN_UP
                                                                                                                                               GSE17721_0.5H_VS_12H_CPG_BMDC_UP, GSE17721_0.5H_VS_12H_CPG_BMDC_UP
                                                                                                                                               GSE37416_CTRL_VS_24H_F_TULARENSIS_LVS_NEUTROPHIL_UP, GSE37416_CTRL_VS_24H_F_TULARENSIS_LVS_NEUTROPHIL_UP
                                                                                                                                               GSE17301_IFNA2_VS_IFNA5_STIM_ACD3_ACD28_ACT_CD8_TCELL_UP, GSE17301_IFNA2_VS_IFNA5_STIM_ACD3_ACD28_ACT_CD8_TCELL_UP
                                                                                                                                               GSE11864_CSF1_VS_CSF1_IFNG_PAM3CYS_IN_MAC_UP, GSE11864_CSF1_VS_CSF1_IFNG_PAM3CYS_IN_MAC_UP
                                                                                                                                               GSE7596_AKT_TRANSD_VS_CTRL_CD4_TCONV_WITH_TGFB_UP, GSE7596_AKT_TRANSD_VS_CTRL_CD4_TCONV_WITH_TGFB_UP
                                                                                                                                               GSE17301_IFNA2_VS_IFNA2_AND_ACD3_ACD28_STIM_CD8_TCELL_UP, GSE17301_IFNA2_VS_IFNA2_AND_ACD3_ACD28_STIM_CD8_TCELL_UP
                                                                                                                                               GSE5589_LPS_VS_LPS_AND_IL10_STIM_IL10_KO_MACROPHAGE_45MIN_UP, GSE5589_LPS_VS_LPS_AND_IL10_STIM_IL10_KO_MACROPHAGE_45MIN_UP
                                                                                                                                               GSE24634_TEFF_VS_TCONV_DAY5_IN_CULTURE_DN, GSE24634_TEFF_VS_TCONV_DAY5_IN_CULTURE_DN
                                                                                                                                               GSE17721_PAM3CSK4_VS_CPG_8H_BMDC_DN, GSE17721_PAM3CSK4_VS_CPG_8H_BMDC_DN
                                                                                                                                               GSE2405 S AUREUS VS A PHAGOCYTOPHILUM NEUTROPHIL DN, GSE2405 S AUREUS VS A PHAGOCYTOPHILUM NEUTROPHIL DN
                                                                                                                                               GSE22611_NOD2_VS_CTRL_TRANSDUCED_HEK293T_CELL_DN, GSE22611_NOD2_VS_CTRL_TRANSDUCED_HEK293T_CELL_DN
                                                                                                                                               GSE32986 CURDLAN HIGHDOSE VS GMCSF AND CURDLAN HIGHDOSE STIM DC UP, GSE32986 CURDLAN HIGHDOSE VS GMCSF AND CURDLAN HIGHDOSE STIM DC UP
                                                                                                                                               GSE16522_ANTI_CD3CD28_STIM_VS_UNSTIM_NAIVE_CD8_TCELL_DN, GSE16522_ANTI_CD3CD28_STIM_VS_UNSTIM_NAIVE_CD8_TCELL_DN
                                                                                                                                               GSE19401_PAM2CSK4_VS_RETINOIC_ACID_AND_PAM2CSK4_STIM_FOLLICULAR_DC_DN, GSE19401_PAM2CSK4_VS_RETINOIC_ACID_AND_PAM2CSK4_STIM_FOLLICULAR_DC_DN
                                                                                                                                               GSE32986_UNSTIM_VS_GMCSF_AND_CURDLAN_LOWDOSE_STIM_DC_DN, GSE32986_UNSTIM_VS_GMCSF_AND_CURDLAN_LOWDOSE_STIM_DC_DN
                                                                                                                                               GSE22033_WT_VS_PPARG_KO_MEF_DN, GSE22033_WT_VS_PPARG_KO_MEF_DN
                                                                                                                                               GSE45739_NRAS_KO_VS_WT_UNSTIM_CD4_TCELL_DN, GSE45739_NRAS_KO_VS_WT_UNSTIM_CD4_TCELL_DN
                                                                                                                                               GSE11924 TFH VS TH17 CD4 TCELL UP, GSE11924 TFH VS TH17 CD4 TCELL UP
                                                                                                                                               GSE3920_UNTREATED_VS_IFNB_TREATED_ENDOTHELIAL_CELL_UP, GSE3920_UNTREATED_VS_IFNB_TREATED_ENDOTHELIAL_CELL_UP
                                                                                                                                               GSE45365_HEALTHY_VS_MCMV_INFECTION_CD8A_DC_IFNAR_KO_UP, GSE45365_HEALTHY_VS_MCMV_INFECTION_CD8A_DC_IFNAR_KO_UP
                                                                                                                                               GSE19401 PAM2CSK4 VS RETINOIC ACID STIM FOLLICULAR DC UP, GSE19401 PAM2CSK4 VS RETINOIC ACID STIM FOLLICULAR DC UP
                                                                                                                                               GSE18893_TCONV_VS_TREG_2H_TNF_STIM_DN, GSE18893_TCONV_VS_TREG_2H_TNF_STIM_DN
                                                                                                                                               GSE22886_UNSTIM_VS_IL2_STIM_NKCELL_UP, GSE22886_UNSTIM_VS_IL2_STIM_NKCELL_UP
                                                                                                                                               GSE36888_UNTREATED_VS_IL2_TREATED_TCELL_2H_UP, GSE36888_UNTREATED_VS_IL2_TREATED_TCELL_2H_UP
                                                                                                                                               GSE17974 OH VS 2H IN VITRO ACT CD4 TCELL UP, GSE17974 OH VS 2H IN VITRO ACT CD4 TCELL UP
                                                                                                                                               GSE22886_NAIVE_CD8_TCELL_VS_DC_UP, GSE22886_NAIVE_CD8_TCELL_VS_DC_UP
                                                                                                                                               GSE16385_IFNG_TNF_VS_UNSTIM_MACROPHAGE_ROSIGLITAZONE_TREATED_DN, GSE16385_IFNG_TNF_VS_UNSTIM_MACROPHAGE_ROSIGLITAZONE_TREATED_DN
                                                                                                                                               GSE16450 CTRL VS IFNA 6H STIM IMMATURE NEURON CELL LINE DN, GSE16450 CTRL VS IFNA 6H STIM IMMATURE NEURON CELL LINE DN
                                                                                                                                               GSE24634 TEFF VS TCONV DAY3 IN CULTURE DN, GSE24634 TEFF VS TCONV DAY3 IN CULTURE DN
                                                                                                                                               GSE22886_CD8_TCELL_VS_BCELL_NAIVE_UP, GSE22886_CD8_TCELL_VS_BCELL_NAIVE_UP
                                                                                                                                               GSE36826_NORMAL_VS_STAPH_AUREUS_INF_SKIN_DN, GSE36826_NORMAL_VS_STAPH_AUREUS_INF_SKIN_DN
                                                                                                                                               GSE46606_UNSTIM_VS_CD40L_IL2_IL5_DAY1_STIMULATED_BCELL_UP, GSE46606_UNSTIM_VS_CD40L_IL2_IL5_DAY1_STIMULATED_BCELL_UP
                                                                                                                                               GSE27434_WT_VS_DNMT1_KO_TREG_UP, GSE27434_WT_VS_DNMT1_KO_TREG_UP
                                                                                                                                               GSE41867_DAY6_VS_DAY15_LCMV_ARMSTRONG_EFFECTOR_CD8_TCELL_DN, GSE41867_DAY6_VS_DAY15_LCMV_ARMSTRONG_EFFECTOR_CD8_TCELL_DN
                                                                                                                                               GSE28408_LY6G_POS_VS_NEG_DC_UP, GSE28408_LY6G_POS_VS_NEG_DC_UP
                                                                                                                                               GSE19401_RETINOIC_ACID_VS_RETINOIC_ACID_AND_PAM2CSK4_STIM_FOLLICULAR_DC_DN, GSE19401_RETINOIC_ACID_VS_RETINOIC_ACID_AND_PAM2CSK4_STIM_FOLLICULAR_DC_DN
                                                                                                                                               GSE46606 DAY1_VS DAY3 CD40L IL2 IL5 STIMULATED IRF4HIGH BCELL DN, GSE46606 DAY1_VS DAY3 CD40L IL2 IL5 STIMULATED IRF4HIGH BCELL DN
                                                                                                                                               GSE5589_LPS_VS_LPS_AND_IL10_STIM_IL6_KO_MACROPHAGE_45MIN_UP, GSE5589_LPS_VS_LPS_AND_IL10_STIM_IL6_KO_MACROPHAGE_45MIN_UP
                                                                                                                                               GSE16450 IMMATURE VS MATURE NEURON CELL LINE UP, GSE16450 IMMATURE VS MATURE NEURON CELL LINE UP
                                                                                                                                               GSE28726 NAIVE VS ACTIVATED CD4 TCELL UP, GSE28726 NAIVE VS ACTIVATED CD4 TCELL UP
                                                                                                                                               GSE43863 DAY6 EFF VS DAY150 MEM LY6C INT CXCR5POS CD4 TCELL DN, GSE43863 DAY6 EFF VS DAY150 MEM LY6C INT CXCR5POS CD4 TCELL DN
                                                                                                                                               GSE40274_CTRL_VS_LEF1_TRANSDUCED_ACTIVATED_CD4_TCELL_UP, GSE40274_CTRL_VS_LEF1_TRANSDUCED_ACTIVATED_CD4_TCELL_UP
                                                                                                                                               GSE37534_UNTREATED_VS_PIOGLITAZONE_TREATED_CD4_TCELL_PPARG1_AND_FOXP3_TRASDUCED_UP, GSE37534_UNTREATED_TCELL_PPARG1_AND_FOXP3_TCELL_PPARG1_TCELL_PPARG1_TCELL_PPARG1_TCELL_PPARG1_TCELL_PPARG1_TCELL_PPARG1_TCELL_PPARG1_TCELL_PPARG1_TCELL_PPARG1_TCELL_PPARG1_TCELL_PPARG1_TCELL_PPARG1_TCELL_PPARG1_TCELL_PPARG1_TCELL_PPARG1_TCELL_PPARG1_TCELL_PPARG1_TCELL_PPARG1_TCELL_PPARG1_TCELL_PPARG1_TCELL_PPARG1_TCELL_PPARG1_TCELL_PPARG1_TCELL_PPARG1_TCELL_PPARG1_TCELL_PPARG1_TCELL_PPARG1_TCELL_PPARG1_TCELL_PPARG1_TCELL_PPARG1_TCELL_PPARG1_TCELL_PPARG1_TCELL_PPARG1_TCELL_PPARG1_TCELL_PPARG1_TCELL_PPARG1_TCELL_PPARG1_TCELL_PPARG1_TCELL_PPARG1_TCELL_PPARG1_TCELL_PPARG1_TCELL_PPARG1_TCELL_PPARG1_TCELL_PPARG1_TCELL_PPARG1_TCELL_TCELL_PPARG1_TCELL_TCELL_TCELL_TCELL_TCELL_TCELL_TCELL_TCELL_TCELL_TCELL_TCELL_TCELL_TCELL_TCELL_TCELL_TCELL_TCELL_TCELL_TCELL_TCELL_TCELL_TCELL_TCELL_TC
                                                                                                                                               GSE30971_WBP7_HET_VS_KO_MACROPHAGE_4H_LPS_STIM_DN, GSE30971_WBP7_HET_VS_KO_MACROPHAGE_4H_LPS_STIM_DN
                                                                                                                                               GSE22886_NAIVE_CD4_TCELL_VS_12H_ACT_TH2_UP, GSE22886_NAIVE_CD4_TCELL_VS_12H_ACT_TH2_UP
                                                                                                                                               GSE46606_UNSTIM_VS_CD40L_IL2_IL5_3DAY_STIMULATED_IRF4MID_SORTED_BCELL_DN, GSE46606_UNSTIM_VS_CD40L_IL2_IL5_3DAY_STIMULATED_IRF4MID_SORTED_BCELL_DN
                                                                                                                                               GSE12003_4D_VS_8D_CULTURE_MIR223_KO_BM_PROGENITOR_DN, GSE12003_4D_VS_8D_CULTURE_MIR223_KO_BM_PROGENITOR_DN
                                                                                                                                               GSE42021_CD24HI_VS_CD24INT_TREG_THYMUS_DN, GSE42021_CD24HI_VS_CD24INT_TREG_THYMUS_DN
                                                                                                                                               GSE24634_TREG_VS_TCONV_POST_DAY3_IL4_CONVERSION_DN, GSE24634_TREG_VS_TCONV_POST_DAY3_IL4_CONVERSION_DN
                                                                                                                                               GSE2770_UNTREATED_VS_IL12_TREATED_ACT_CD4_TCELL_48H_UP, GSE2770_UNTREATED_VS_IL12_TREATED_ACT_CD4_TCELL_48H_UP
                                                                                                                                               GSE17721_POLYIC_VS_CPG_1H_BMDC_UP, GSE17721_POLYIC_VS_CPG_1H_BMDC_UP
                                                                                                                                               GSE12845 IGD NEG BLOOD VS DARKZONE GC TONSIL BCELL UP, GSE12845 IGD NEG BLOOD VS DARKZONE GC TONSIL BCELL UP
                                                                                                                                               GSE20366_EX_VIVO_VS_DEC205_CONVERSION_NAIVE_CD4_TCELL_UP, GSE20366_EX_VIVO_VS_DEC205_CONVERSION_NAIVE_CD4_TCELL_UP
                                                                                                                                               GSE12366_GC_VS_NAIVE_BCELL_DN, GSE12366_GC_VS_NAIVE_BCELL_DN
                                                                                                                                               GSE29618_LAIV_VS_TIV_FLU_VACCINE_DAY7_MONOCYTE_UP, GSE29618_LAIV_VS_TIV_FLU_VACCINE_DAY7_MONOCYTE_UP
                                                                                                                                               GSE2706_LPS_VS_R848_AND_LPS_8H_STIM_DC_UP, GSE2706_LPS_VS_R848_AND_LPS_8H_STIM_DC_UP
                                                                                                                                               GSE19401_UNSTIM_VS_RETINOIC_ACID_STIM_FOLLICULAR_DC_UP, GSE19401_UNSTIM_VS_RETINOIC_ACID_STIM_FOLLICULAR_DC_UP
                                                                                                                                               GSE26669_CTRL_VS_COSTIM_BLOCK_MLR_CD8_TCELL_DN, GSE26669_CTRL_VS_COSTIM_BLOCK_MLR_CD8_TCELL_DN
                                                                                                                                               GSE37533 PPARG1 FOXP3 VS FOXP3 TRANSDUCED CD4 TCELL DN, GSE37533 PPARG1 FOXP3 VS FOXP3 TRANSDUCED CD4 TCELL DN
                                                                                                                                               GSE13229_IMM_VS_MATURE_NKCELL_DN, GSE13229_IMM_VS_MATURE_NKCELL_DN
                                                                                                                                               GSE37533_PPARG2_FOXP3_VS_FOXP3_TRANSDUCED_CD4_TCELL_DN, GSE37533_PPARG2_FOXP3_VS_FOXP3_TRANSDUCED_CD4_TCELL_DN
                                                                                                                                               GSE6674 UNSTIM VS PL2 3 STIM BCELL DN, GSE6674 UNSTIM VS PL2 3 STIM BCELL DN
                                                                                                                                               GSE37533_PPARG1_FOXP3_VS_FOXP3_TRANSDUCED_CD4_TCELL_PIOGLITAZONE_TREATED_UP, GSE37533_PPARG1_FOXP3_VS_FOXP3_TRANSDUCED_CD4_TCELL_PIOGLITAZONE_TREATED_UP
                                                                                                                                               GSE40274_CTRL_VS_SATB1_TRANSDUCED_ACTIVATED_CD4_TCELL_UP, GSE40274_CTRL_VS_SATB1_TRANSDUCED_ACTIVATED_CD4_TCELL_UP
                                                                                                                                               GSE13485 PRE VS POST YF17D VACCINATION PBMC DN, GSE13485 PRE VS POST YF17D VACCINATION PBMC DN
                                                                                                                                               GSE3982 MAC VS BCELL DN, GSE3982 MAC VS BCELL DN
                                                                                                                                               GSE36888_STAT5_AB_KNOCKIN_VS_WT_TCELL_IL2_TREATED_2H_UP, GSE36888_STAT5_AB_KNOCKIN_VS_WT_TCELL_IL2_TREATED_2H_UP
                                                                                                                                               GSE17974_0H_VS_6H_IN_VITRO_ACT_CD4_TCELL_UP, GSE17974_0H_VS_6H_IN_VITRO_ACT_CD4_TCELL_UP
                                                                                                                                               GSE28737_WT_VS_BCL6_HET_FOLLICULAR_BCELL_DN, GSE28737_WT_VS_BCL6_HET_FOLLICULAR_BCELL_DN
                                                                                                                                               GSE17186_MEMORY_VS_NAIVE_BCELL_UP, GSE17186_MEMORY_VS_NAIVE_BCELL_UP
                                                                                                                                               GSE30971_WBP7_HET_VS_KO_MACROPHAGE_UP, GSE30971_WBP7_HET_VS_KO_MACROPHAGE_UP
                                                                                                                                               GSE5542_UNTREATED_VS_IFNA_AND_IFNG_TREATED_EPITHELIAL_CELLS_6H_DN, GSE5542_UNTREATED_VS_IFNA_AND_IFNG_TREATED_EPITHELIAL_CELLS_6H_DN
                                                                                                                                               GSE21670 STAT3 KO VS WT CD4 TCELL TGFB IL6 TREATED DN, GSE21670 STAT3 KO VS WT CD4 TCELL TGFB IL6 TREATED DN
                                                                                                                                               GSE1925_CTRL_VS_3H_IFNG_STIM_IFNG_PRIMED_MACROPHAGE_UP, GSE1925_CTRL_VS_3H_IFNG_STIM_IFNG_PRIMED_MACROPHAGE_UP
                                                                                                                                               GSE2770_TGFB_AND_IL4_ACT_VS_ACT_CD4_TCELL_2H_DN, GSE2770_TGFB_AND_IL4_ACT_VS_ACT_CD4_TCELL_2H_DN
                                                                                                                                               GSE22611 UNSTIM VS 2H MDP STIM MUTANT NOD2 TRANSDUCED HEK293T CELL UP, GSE22611 UNSTIM VS 2H MDP STIM MUTANT NOD2 TRANSDUCED HEK293T CELL UP
_MEMORY_VS_NAIVE_CD8_TCELL_DN, GSE23321_CD8_STEM_CELL_MEMORY_VS_NAIVE_CD8_TCELL_DN
                                                                                                                                               GSE37533 PPARG1 FOXP3 VS PPARG2 FOXP3 TRANSDUCED CD4 TCELL PIOGLITAZONE TREATED DN, GSE37533 PPARG1 FOXP3 VS PPARG2 FOXP3 TRANSDUCED CD4 TCELL PIOGLITAZON
                                                                                                                                               GSE24634_IL4_VS_CTRL_TREATED_NAIVE_CD4_TCELL_DAY5_DN, GSE24634_IL4_VS_CTRL_TREATED_NAIVE_CD4_TCELL_DAY5_DN
                                                                                                                                               GSE15330_WT_VS_IKAROS_KO_MEGAKARYOCYTE_ERYTHROID_PROGENITOR_DN, GSE15330_WT_VS_IKAROS_KO_MEGAKARYOCYTE_ERYTHROID_PROGENITOR_DN
                                                                                                                                               GSE15624_3H_VS_6H_HALOFUGINONE_TREATED_CD4_TCELL_UP, GSE15624_3H_VS_6H_HALOFUGINONE_TREATED_CD4_TCELL_UP
                                                                                                                                               GSE360_L_DONOVANI_VS_B_MALAYI_HIGH_DOSE_MAC_DN, GSE360_L_DONOVANI_VS_B_MALAYI_HIGH_DOSE_MAC_DN
                                                                                                                                               GSE19888_ADENOSINE_A3R_INH_PRETREAT_AND_ACT_BY_A3R_VS_TCELL_MEMBRANES_ACT_MAST_CELL_UP, GSE19888_ADENOSINE_A3R_INH_PRETREAT_AND_ACT_BY_A3R_INH_PRETREAT_AND_ACT_BY_A3R_INH_PRETREAT_AND_ACT_BY_A3R_INH_PRETREAT_AND_ACT_BY_A3R_INH_PRETREAT_AND_ACT_BY_A3R_INH_PRETREAT_AND_ACT_BY_A3R_INH_PRETREAT_AND_ACT_BY_A3R_INH_PRETREAT_AND_ACT_BY_A3R_INH_PRETREAT_AND_ACT_BY_A3R_INH_PRETREAT_AND_ACT_BY_A3R_INH_PRETREAT_AND_ACT_BY_A3R_INH_PRETREAT_AND_ACT_BY_A3R_INH_PRETREAT_AND_ACT_BY_A3R_INH_PRETREAT_AND_ACT_BY_A3R_INH_PRETREAT_AND_ACT_BY_A3R_INH_PRETREAT_AND_ACT_BY_A3R_INH_PRETREAT_AND_ACT_BY_A3R_INH_PRETREAT_AND_ACT_BY_A3R_INH_PRETREAT_AND_ACT_BY_A3R_
                                                                                                                                               GSE2770_IL12_AND_TGFB_ACT_VS_ACT_CD4_TCELL_6H_UP, GSE2770_IL12_AND_TGFB_ACT_VS_ACT_CD4_TCELL_6H_UP
                                                                                                                                               GSE21380 NON TFH VS TFH CD4 TCELL DN, GSE21380 NON TFH VS TFH CD4 TCELL DN
                                                                                                                                               GSE6092 UNSTIM VS IFNG STIM AND B BURGDORFERI INF ENDOTHELIAL CELL UP, GSE6092 UNSTIM VS IFNG STIM AND B BURGDORFERI INF ENDOTHELIAL CELL UP
                                                                                                                                               GSE3982_EOSINOPHIL_VS_TH1_UP, GSE3982_EOSINOPHIL_VS_TH1_UP
                                                                                                                                               GSE42021 TREG PLN VS TREG PRECURSORS THYMUS DN, GSE42021 TREG PLN VS TREG PRECURSORS THYMUS DN
                                                                                                                                               GSE42021_TREG_PLN_VS_CD24INT_TREG_THYMUS_DN, GSE42021_TREG_PLN_VS_CD24INT_TREG_THYMUS_DN
                                                                                                                                               GSE36826_WT_VS_IL1R_KO_SKIN_UP, GSE36826_WT_VS_IL1R_KO_SKIN_UP
                                                                                                                                               GSE27670_BLIMP1_VS_LMP1_TRANSDUCED_GC_BCELL_UP, GSE27670_BLIMP1_VS_LMP1_TRANSDUCED_GC_BCELL_UP
                                                                                                                                               GSE3920_IFNA_VS_IFNG_TREATED_FIBROBLAST_UP, GSE3920_IFNA_VS_IFNG_TREATED_FIBROBLAST_UP
                                                                                                                                               GSE40274_CTRL_VS_FOXP3_AND_EOS_TRANSDUCED_ACTIVATED_CD4_TCELL_UP, GSE40274_CTRL_VS_FOXP3_AND_EOS_TRANSDUCED_ACTIVATED_CD4_TCELL_UP
                                                                                                                                               GSE3982_BCELL_VS_TH2_UP, GSE3982_BCELL_VS_TH2_UP
                                                                                                                                               GSE42021 CD24HI VS CD24LOW TCONV THYMUS DN, GSE42021 CD24HI VS CD24LOW TCONV THYMUS DN
                                                                                                                                               GSE42021 TREG VS TCONV PLN UP, GSE42021 TREG VS TCONV PLN UP
                                                                                                                                               GSE8621_LPS_STIM_VS_LPS_PRIMED_AND_LPS_STIM_MACROPHAGE_UP, GSE8621_LPS_STIM_VS_LPS_PRIMED_AND_LPS_STIM_MACROPHAGE_UP
                                                                                                                                               GSE360_CTRL_VS_L_DONOVANI_DC_DN, GSE360_CTRL_VS_L_DONOVANI_DC_DN
                                                                                                                                               GSE27786_CD8_TCELL_VS_MONO_MAC_DN, GSE27786_CD8_TCELL_VS_MONO_MAC_DN
                                                                                                                                               GSE3039_CD4_TCELL_VS_B1_BCELL_UP, GSE3039_CD4_TCELL_VS_B1_BCELL_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
                                                                                                                                               GSE3982_MAC_VS_NKCELL_UP, GSE3982_MAC_VS_NKCELL_UP
                                                                                                                                               GSE3982_DC_VS_NKCELL_UP, GSE3982_DC_VS_NKCELL_UP
                                                                                                                                               GSE19401_NAIVE_VS_IMMUNIZED_MOUSE_PLN_FOLLICULAR_DC_UP, GSE19401_NAIVE_VS_IMMUNIZED_MOUSE_PLN_FOLLICULAR_DC_UP
                                                                                                                                               GSE21927_EL4_VS_MCA203_TUMOR_MONOCYTES_UP, GSE21927_EL4_VS_MCA203_TUMOR_MONOCYTES_UP
                                                                                                                                               GSE9037_CTRL_VS_LPS_4H_STIM_IRAK4_KO_BMDM_DN, GSE9037_CTRL_VS_LPS_4H_STIM_IRAK4_KO_BMDM_DN
                                                                                                                                               GSE7852_TREG_VS_TCONV_DN, GSE7852_TREG_VS_TCONV_DN
                                                                                                                                               GSE1432_CTRL_VS_IFNG_1H_MICROGLIA_DN, GSE1432_CTRL_VS_IFNG_1H_MICROGLIA_DN
                                                                                                                                               GSE1460_CD4_THYMOCYTE_VS_THYMIC_STROMAL_CELL_DN, GSE1460_CD4_THYMOCYTE_VS_THYMIC_STROMAL_CELL_DN
                                                                                                                                               GSE3982_BASOPHIL_VS_CENT_MEMORY_CD4_TCELL_DN, GSE3982_BASOPHIL_VS_CENT_MEMORY_CD4_TCELL_DN
                                                                                                                                               GSE21546_UNSTIM_VS_ANTI_CD3_STIM_ELK1_KO_DP_THYMOCYTES_DN, GSE21546_UNSTIM_VS_ANTI_CD3_STIM_ELK1_KO_DP_THYMOCYTES_DN
                                                                                                                                               GSE32986_GMCSF_AND_CURDLAN_LOWDOSE_VS_GMCSF_AND_CURDLAN_HIGHDOSE_STIM_DC_DN, GSE32986_GMCSF_AND_CURDLAN_LOWDOSE_VS_GMCSF_AND_CURDLAN_HIGHDOSE_STI
                                                                                                                                               GSE20500_CTRL_VS_RARA_ANTAGONIST_TREATED_CD4_TCELL_UP, GSE20500_CTRL_VS_RARA_ANTAGONIST_TREATED_CD4_TCELL_UP
                                                                                                                                               GSE15930_STIM_VS_STIM_AND_TRICHOSTATINA_72H_CD8_T_CELL_DN, GSE15930_STIM_VS_STIM_AND_TRICHOSTATINA_72H_CD8_T_CELL_DN
                                                                                                                                               GSE22045_TREG_VS_TCONV_DN, GSE22045_TREG_VS_TCONV_DN
                                                                                                                                               GSE12003_MIR223_KO_VS_WT_BM_PROGENITOR_8D_CULTURE_DN, GSE12003_MIR223_KO_VS_WT_BM_PROGENITOR_8D_CULTURE_DN
                                                                                                                                               GSE13306_LAMINA_PROPRIA_VS_SPLEEN_TREG_DN, GSE13306_LAMINA_PROPRIA_VS_SPLEEN_TREG_DN
                                                                                                                                               GSE20715_WT_VS_TLR4_KO_LUNG_UP, GSE20715_WT_VS_TLR4_KO_LUNG_UP
                                                                                                                                               GSE16386_IL4_VS_IL4_AND_ROSIGLITAZONE_STIM_MACROPHAGE_6H_DN, GSE16386_IL4_VS_IL4_AND_ROSIGLITAZONE_STIM_MACROPHAGE_6H_DN
                                                                                                                                               GSE13229_IMM_VS_MATURE_NKCELL_UP, GSE13229_IMM_VS_MATURE_NKCELL_UP
                                                                                                                                               GSE17721_CTRL_VS_CPG_24H_BMDC_UP, GSE17721_CTRL_VS_CPG_24H_BMDC_UP
                                                                                                                                               GSE360 CTRL VS M TUBERCULOSIS DC DN, GSE360 CTRL VS M TUBERCULOSIS DC DN
                                                                                                                                               GSE17721_CTRL_VS_PAM3CSK4_8H_BMDC_DN, GSE17721_CTRL_VS_PAM3CSK4_8H_BMDC_DN
                                                                                                                                               GSE16385_IFNG_TNF_VS_IL4_STIM_MACROPHAGE_DN, GSE16385_IFNG_TNF_VS_IL4_STIM_MACROPHAGE_DN
                                                                                                                                               GSE43955_10H_VS_30H_ACT_CD4_TCELL_WITH_TGFB_IL6_UP, GSE43955_10H_VS_30H_ACT_CD4_TCELL_WITH_TGFB_IL6_UP
                                                                                                                                               GSE3720_UNSTIM_VS_PMA_STIM_VD1_GAMMADELTA_TCELL_DN, GSE3720_UNSTIM_VS_PMA_STIM_VD1_GAMMADELTA_TCELL_DN
                                                                                                                                               GSE17186_MEMORY_VS_CD21HIGH_TRANSITIONAL_BCELL_UP, GSE17186_MEMORY_VS_CD21HIGH_TRANSITIONAL_BCELL_UP
                                                                                                                                               GSE21033_CTRL_VS_POLYIC_STIM_DC_1H_DN, GSE21033_CTRL_VS_POLYIC_STIM_DC_1H_DN
                                                                                                                                               GSE3982_DC_VS_EFF_MEMORY_CD4_TCELL_DN, GSE3982_DC_VS_EFF_MEMORY_CD4_TCELL_DN
                                                                                                                                               GSE15659_NAIVE_CD4_TCELL_VS_RESTING_TREG_DN, GSE15659_NAIVE_CD4_TCELL_VS_RESTING_TREG_DN
                                                                                                                                               GSE29949 MICROGLIA BRAIN VS MONOCYTE BONE MARROW UP, GSE29949 MICROGLIA BRAIN VS MONOCYTE BONE MARROW UP
                                                                                                                                               GSE2585_CD80_HIGH_VS_LOW_MTEC_DN, GSE2585_CD80_HIGH_VS_LOW_MTEC_DN
                                                                                                                                               GSE16266_LPS_VS_HEATSHOCK_AND_LPS_STIM_MEF_UP, GSE16266_LPS_VS_HEATSHOCK_AND_LPS_STIM_MEF_UP
                                                                                                                                               GSE22886 NAIVE CD4 TCELL VS DC UP, GSE22886 NAIVE CD4 TCELL VS DC UP
                                                                                                                                               GSE17721_PAM3CSK4_VS_CPG_2H_BMDC_UP, GSE17721_PAM3CSK4_VS_CPG_2H_BMDC_UP
                                                                                                                                               GSE14026 TH1 VS TH17 UP, GSE14026 TH1 VS TH17 UP
                                                                                                                                               GSE13522_WT_VS_IFNAR_KO_SKING_T_CRUZI_Y_STRAIN_INF_DN, GSE13522_WT_VS_IFNAR_KO_SKING_T_CRUZI_Y_STRAIN_INF_DN
                                                                                                                                               GSE17721_POLYIC_VS_CPG_1H_BMDC_DN, GSE17721_POLYIC_VS_CPG_1H_BMDC_DN
                                                                                                                                               GSE26030_UNSTIM_VS_RESTIM_TH17_DAY5_POST_POLARIZATION_DN, GSE26030_UNSTIM_VS_RESTIM_TH17_DAY5_POST_POLARIZATION_DN
                                                                                                                                               GSE21360_SECONDARY_VS_QUATERNARY_MEMORY_CD8_TCELL_UP, GSE21360_SECONDARY_VS_QUATERNARY_MEMORY_CD8_TCELL_UP
                                                                                                                                               GSE6269_FLU_VS_E_COLI_INF_PBMC_DN, GSE6269_FLU_VS_E_COLI_INF_PBMC_DN
                                                                                                                                               GSE19888_CTRL_VS_A3R_ACT_TREATED_MAST_CELL_PRETREATED_WITH_A3R_INH_UP, GSE19888_CTRL_VS_A3R_ACT_TREATED_MAST_CELL_PRETREATED_WITH_A3R_INH_UP
                                                                                                                                               GSE25123_WT_VS_PPARG_KO_MACROPHAGE_ROSIGLITAZONE_STIM_UP, GSE25123_WT_VS_PPARG_KO_MACROPHAGE_ROSIGLITAZONE_STIM_UP
                                                                                                                                               GSE15659_NAIVE_VS_PTPRC_NEG_CD4_TCELL_UP, GSE15659_NAIVE_VS_PTPRC_NEG_CD4_TCELL_UP
                                                                                                                                               GSE19888_ADENOSINE_A3R_ACT_VS_TCELL_MEMBRANES_ACT_AND_A3R_INH_PRETREAT_IN_MAST_CELL_UP, GSE19888_ADENOSINE_A3R_ACT_VS_TCELL_MEMBRANES_ACT_AND_A3R_INH_PRETREAT_IN_AST_CELL_UP, GSE19888_ADENOSINE_A3R_ACT_VS_TCELL_UP, GSE1988_ADENOSINE_A3R_ACT_VS_TCELL_UP, GSE1988_ADENOSINE_A3R_ACT_VS_TCELL_UP, GSE1988_ADENOSINE_A3R_ACT_VS_TCELL_UP, GSE1988_ADENOSINE_A3R_ACT_VS_TCELL_UP, GSE198A
                                                                                                                                               GSE20715_WT_VS_TLR4_KO_48H_OZONE_LUNG_UP, GSE20715_WT_VS_TLR4_KO_48H_OZONE_LUNG_UP
                                                                                                                                               GSE6269_E_COLI_VS_STAPH_AUREUS_INF_PBMC_UP, GSE6269_E_COLI_VS_STAPH_AUREUS_INF_PBMC_UP
                                                                                                                                               GSE43955_TH0_VS_TGFB_IL6_TH17_ACT_CD4_TCELL_42H_DN, GSE43955_TH0_VS_TGFB_IL6_TH17_ACT_CD4_TCELL_42H_DN
                                                                                                                                               GSE26928_EFF_MEMORY_VS_CXCR5_POS_CD4_TCELL_DN, GSE26928_EFF_MEMORY_VS_CXCR5_POS_CD4_TCELL_DN
                                                                                                                                               GSE6269_E_COLI_VS_STREP_PNEUMO_INF_PBMC_UP, GSE6269_E_COLI_VS_STREP_PNEUMO_INF_PBMC_UP
                                                                                                                                               GSE2770 UNTREATED VS TGFB AND IL12 TREATED ACT CD4 TCELL 6H DN, GSE2770 UNTREATED VS TGFB AND IL12 TREATED ACT CD4 TCELL 6H DN
                                                                                                                                               GSE3982_BASOPHIL_VS_NKCELL_DN, GSE3982_BASOPHIL_VS_NKCELL_DN
                                                                                                                                               GSE13485_PRE_VS_POST_YF17D_VACCINATION_PBMC_UP, GSE13485_PRE_VS_POST_YF17D_VACCINATION_PBMC_UP
                                                                                                                                               GSE37605_TREG_VS_TCONV_NOD_FOXP3_FUSION_GFP_UP, GSE37605_TREG_VS_TCONV_NOD_FOXP3_FUSION_GFP_UP
                                                                                                                                               GSE10147_IL3_VS_IL3_AND_CPG_STIM_PDC_UP, GSE10147_IL3_VS_IL3_AND_CPG_STIM_PDC_UP
                                                                                                                                               GSE9650_GP33_VS_GP276_LCMV_SPECIFIC_EXHAUSTED_CD8_TCELL_UP, GSE9650_GP33_VS_GP276_LCMV_SPECIFIC_EXHAUSTED_CD8_TCELL_UP
                                                                                                                                               GSE360_CTRL_VS_B_MALAYI_HIGH_DOSE_DC_DN, GSE360_CTRL_VS_B_MALAYI_HIGH_DOSE_DC_DN
                                                                                                                                               GSE21063_WT_VS_NFATC1_KO_BCELL_UP, GSE21063_WT_VS_NFATC1_KO_BCELL_UP
                                                                                                                                               GSE2770_TGFB_AND_IL4_VS_IL4_TREATED_ACT_CD4_TCELL_2H_DN, GSE2770_TGFB_AND_IL4_VS_IL4_TREATED_ACT_CD4_TCELL_2H_DN
                                                                                                                                               GSE29618_PRE_VS_DAY7_POST_LAIV_FLU_VACCINE_MONOCYTE_UP, GSE29618_PRE_VS_DAY7_POST_LAIV_FLU_VACCINE_MONOCYTE_UP
                                                                                                                                               GSE41176_WT_VS_TAK1_KO_ANTI_IGM_STIM_BCELL_3H_UP, GSE41176_WT_VS_TAK1_KO_ANTI_IGM_STIM_BCELL_3H_UP
                                                                                                                                               GSE22033 WT VS PPARG KO MEF UP, GSE22033 WT VS PPARG KO MEF UP
                                                                                                                                               GSE42088_2H_VS_24H_LEISHMANIA_INF_DC_DN, GSE42088_2H_VS_24H_LEISHMANIA_INF_DC_DN
                                                                                                                                               GSE13306 RA VS UNTREATED TCONV DN, GSE13306 RA VS UNTREATED TCONV DN
                                                                                                                                               GSE7460_CTRL_VS_FOXP3_OVEREXPR_TCONV_1_DN, GSE7460_CTRL_VS_FOXP3_OVEREXPR_TCONV_1_DN
                                                                                                                                               GSE26488_HDAC7_KO_VS_VP16_TRANSGENIC_HDAC7_KO_DOUBLE_POSITIVE_THYMOCYTE_UP, GSE26488_HDAC7_KO_VS_VP16_TRANSGENIC_HDAC7_KO_DOUBLE_POSITIVE_THYMOCYTE_UP
                                                                                                                                               GSE31622 WT_VS_KLF3_KO_BCELL_UP, GSE31622 WT_VS_KLF3_KO_BCELL_UP
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GSE37533\_PPARG2\_FOXP3\_VS\_FOXP3\_TRANSDUCED\_CD4\_TCELL\_PIOGLITAZONE\_TREATED\_UP, GSE37533\_PPARG2\_FOXP3\_VS\_FOXP3\_TRANSDUCED\_CD4\_TCELL\_PIOGLITAZONE\_TREATED\_UP

GSE14000\_TRANSLATED\_RNA\_VS\_MRNA\_16H\_LPS\_DC\_UP, GSE14000\_TRANSLATED\_RNA\_VS\_MRNA\_16H\_LPS\_DC\_UP

GSE13547 CTRL VS ANTI IGM STIM BCELL 2H DN, GSE13547 CTRL VS ANTI IGM STIM BCELL 2H DN