```
GSE22886 CTRL VS LPS 24H DC UP, GSE22886 CTRL VS LPS 24H DC UP
                                                                                                   GSE9988 LPS VS CTRL TREATED MONOCYTE DN, GSE9988 LPS VS CTRL TREATED MONOCYTE DN
                                                                                                   GSE9988_ANTI_TREM1_AND_LPS_VS_CTRL_TREATED_MONOCYTES_DN, GSE9988_ANTI_TREM1_AND_LPS_VS_CTRL_TREATED_MONOCYTES_DN
                                                                                                   GSE9988_LOW_LPS_VS_CTRL_TREATED_MONOCYTE_DN, GSE9988_LOW_LPS_VS_CTRL_TREATED_MONOCYTE_DN
                                                                                                   GSE40666_STAT1_KO_VS_STAT4_KO_CD8_TCELL_UP, GSE40666_STAT1_KO_VS_STAT4_KO_CD8_TCELL_UP
                                                                                                   GSE14000 UNSTIM_VS_16H_LPS_DC_UP, GSE14000 UNSTIM_VS_16H_LPS_DC_UP
                                                                                                   GSE36826_NORMAL_VS_STAPH_AUREUS_INF_IL1R_KO_SKIN_DN, GSE36826_NORMAL_VS_STAPH_AUREUS_INF_IL1R_KO_SKIN_DN
                                                                                                   GSE17974_1H_VS_72H_UNTREATED_IN_VITRO_CD4_TCELL_DN, GSE17974_1H_VS_72H_UNTREATED_IN_VITRO_CD4_TCELL_DN
                                                                                                   GSE12845_PRE_GC_VS_DARKZONE_GC_TONSIL_BCELL_DN, GSE12845_PRE_GC_VS_DARKZONE_GC_TONSIL_BCELL_DN
                                                                                                   GSE2706_UNSTIM_VS_8H_LPS_AND_R848_DC_UP, GSE2706_UNSTIM_VS_8H_LPS_AND_R848_DC_UP
                                                                                                   GSE17322_CD103_POS_VS_CD11B_HIGH_LUNG_DC_DN, GSE17322_CD103_POS_VS_CD11B_HIGH_LUNG_DC_DN
                                                                                                   GSE22886_NAIVE_CD4_TCELL_VS_MEMORY_TCELL_DN, GSE22886_NAIVE_CD4_TCELL_VS_MEMORY_TCELL_DN
                                                                                                   GSE14000_UNSTIM_VS_16H_LPS_DC_TRANSLATED_RNA_UP, GSE14000_UNSTIM_VS_16H_LPS_DC_TRANSLATED_RNA_UP
                                                                                                   GSE7509_DC_VS_MONOCYTE_WITH_FCGRIIB_STIM_UP, GSE7509_DC_VS_MONOCYTE_WITH_FCGRIIB_STIM_UP
                                                                                                   GSE11864_UNTREATED_VS_CSF1_IFNG_PAM3CYS_IN_MAC_UP, GSE11864_UNTREATED_VS_CSF1_IFNG_PAM3CYS_IN_MAC_UP
                                                                                                   GSE37533_PPARG1_FOXP3_VS_PPARG2_FOXP3_TRANSDUCED_CD4_TCELL_UP, GSE37533_PPARG1_FOXP3_VS_PPARG2_FOXP3_TRANSDUCED_CD4_TCELL_UP
                                                                                                   GSE1740_MCSF_VS_MCSF_AND_IFNG_DAY2_DERIVED_MACROPHAGE_DN, GSE1740_MCSF_VS_MCSF_AND_IFNG_DAY2_DERIVED_MACROPHAGE_DN
                                                                                                   GSE13484_3H_UNSTIM_VS_YF17D_VACCINE_STIM_PBMC_UP, GSE13484_3H_UNSTIM_VS_YF17D_VACCINE_STIM_PBMC_UP
                                                                                                   GSE360_HIGH_DOSE_B_MALAYI_VS_M_TUBERCULOSIS_DC_UP, GSE360_HIGH_DOSE_B_MALAYI_VS_M_TUBERCULOSIS_DC_UP
                                                                                                   GSE9960_HEALTHY_VS_GRAM_NEG_SEPSIS_PBMC_UP, GSE9960_HEALTHY_VS_GRAM_NEG_SEPSIS_PBMC_UP
                                                                                                   GSE25088_WT_VS_STAT6_KO_MACROPHAGE_ROSIGLITAZONE_STIM_UP, GSE25088_WT_VS_STAT6_KO_MACROPHAGE_ROSIGLITAZONE_STIM_UP
                                                                                                   GSE37533_PPARG1_FOXP3_VS_FOXP3_TRANSDUCED_CD4_TCELL_PIOGLITAZONE_TREATED_DN, GSE37533_PPARG1_FOXP3_VS_FOXP3_TRANSDUCED_CD4_TCELL_PIOGLITAZONE_TREATED_DN
                                                                                                   GSE13484_UNSTIM_VS_3H_YF17D_VACCINE_STIM_PBMC_UP, GSE13484_UNSTIM_VS_3H_YF17D_VACCINE_STIM_PBMC_UP
                                                                                                   GSE9988_ANTI_TREM1_VS_CTRL_TREATED_MONOCYTES_DN, GSE9988_ANTI_TREM1_VS_CTRL_TREATED_MONOCYTES_DN
                                                                                                  GSE339_EX_VIVO_VS_IN_CULTURE_CD4POS_DC_UP, GSE339_EX_VIVO_VS_IN_CULTURE_CD4POS_DC_UP
                                                                                                  GSE9988_LOW_LPS_VS_VEHICLE_TREATED_MONOCYTE_DN, GSE9988_LOW_LPS_VS_VEHICLE_TREATED_MONOCYTE_DN
                                                                                                  GSE2770 UNTREATED VS IL4 TREATED ACT CD4 TCELL 6H DN, GSE2770 UNTREATED VS IL4 TREATED ACT CD4 TCELL 6H DN
                                                                                                  GSE2770_IL12_AND_TGFB_VS_IL4_TREATED_ACT_CD4_TCELL_2H_DN, GSE2770_IL12_AND_TGFB_VS_IL4_TREATED_ACT_CD4_TCELL_2H_DN
                                                                                                  GSE10325_LUPUS_CD4_TCELL_VS_LUPUS_MYELOID_DN, GSE10325_LUPUS_CD4_TCELL_VS_LUPUS_MYELOID_DN
                                                                                                   GSE3400_UNTREATED_VS_IFNB_TREATED_MEF_UP, GSE3400_UNTREATED_VS_IFNB_TREATED_MEF_UP
                                                                                                  GSE13484_UNSTIM_VS_12H_YF17D_VACCINE_STIM_PBMC_UP, GSE13484_UNSTIM_VS_12H_YF17D_VACCINE_STIM_PBMC_UP
                                                                                                  GSE2770_UNTREATED_VS_IL12_TREATED_ACT_CD4_TCELL_2H_UP, GSE2770_UNTREATED_VS_IL12_TREATED_ACT_CD4_TCELL_2H_UP
                                                                                                  GSE26351_WNT_VS_BMP_PATHWAY_STIM_HEMATOPOIETIC_PROGENITORS_DN, GSE26351_WNT_VS_BMP_PATHWAY_STIM_HEMATOPOIETIC_PROGENITORS_DN
                                                                                                  GSE10325_CD4_TCELL_VS_MYELOID_UP, GSE10325_CD4_TCELL_VS_MYELOID_UP
                                                                                                  GSE9650_EFFECTOR_VS_EXHAUSTED_CD8_TCELL_UP, GSE9650_EFFECTOR_VS_EXHAUSTED_CD8_TCELL_UP
                                                                                                   GSE42088_UNINF_VS_LEISHMANIA_INF_DC_24H_UP, GSE42088_UNINF_VS_LEISHMANIA_INF_DC_24H_UP
                                                                                                   GSE37534_UNTREATED_VS_GW1929_TREATED_CD4_TCELL_PPARG1_AND_FOXP3_TRASDUCED_DN, GSE37534_UNTREATED_VS_GW1929_TREATED_CD4_TCELL_PPARG1_AND_FOXP3_TRASDUCED_D
                                                                                                  GSE22886_NAIVE_BCELL_VS_MONOCYTE_DN, GSE22886_NAIVE_BCELL_VS_MONOCYTE_DN
                                                                                                  GSE45365_NK_CELL_VS_CD8_TCELL_MCMV_INFECTION_UP, GSE45365_NK_CELL_VS_CD8_TCELL_MCMV_INFECTION_UP
                                                                                                   GSE9988_ANTI_TREM1_AND_LPS_VS_VEHICLE_TREATED_MONOCYTES_DN, GSE9988_ANTI_TREM1_AND_LPS_VS_VEHICLE_TREATED_MONOCYTES_DN
                                                                                                  GSE41176_UNSTIM_VS_ANTI_IGM_STIM_BCELL_1H_DN, GSE41176_UNSTIM_VS_ANTI_IGM_STIM_BCELL_1H_DN
                                                                                                  GSE9988_ANTI_TREM1_VS_VEHICLE_TREATED_MONOCYTES_DN, GSE9988_ANTI_TREM1_VS_VEHICLE_TREATED_MONOCYTES_DN
                                                                                                   GSE22140_HEALTHY_VS_ARTHRITIC_MOUSE_CD4_TCELL_DN, GSE22140_HEALTHY_VS_ARTHRITIC_MOUSE_CD4_TCELL_DN
                                                                                                  GSE37533_UNTREATED_VS_PIOGLIZATONE_TREATED_CD4_TCELL_PPARG2_AND_FOXP3_TRASDUCED_DN, GSE37533_UNTREATED_VS_PIOGLIZATONE_TREATED_CD4_TCELL_PPARG2_AND_FOXP3_
                                                                                                  GSE12001 MIR223 KO_VS_WT_NEUTROPHIL_DN, GSE12001 MIR223 KO_VS_WT_NEUTROPHIL_DN
                                                                                                   GSE9960 GRAM NEG VS GRAM POS SEPSIS PBMC DN, GSE9960 GRAM NEG VS GRAM POS SEPSIS PBMC DN
                                                                                                   GSE22886_DAY1_VS_DAY7_MONOCYTE_IN_CULTURE_DN, GSE22886_DAY1_VS_DAY7_MONOCYTE_IN_CULTURE_DN
                                                                                                   GSE20500 CTRL VS_RARA_ANTAGONIST_TREATED_CD4_TCELL_DN, GSE20500 CTRL VS_RARA_ANTAGONIST_TREATED_CD4_TCELL_DN
                                                                                                   GSE30971_CTRL_VS_LPS_STIM_MACROPHAGE_WBP7_KO_2H_DN, GSE30971_CTRL_VS_LPS_STIM_MACROPHAGE_WBP7_KO_2H_DN
                                                                                                   GSE35825_IFNA_VS_IFNG_STIM_MACROPHAGE_DN, GSE35825_IFNA_VS_IFNG_STIM_MACROPHAGE_DN
                                                                                                   GSE36476_CTRL_VS_TSST_ACT_40H_MEMORY_CD4_TCELL_YOUNG_UP, GSE36476_CTRL_VS_TSST_ACT_40H_MEMORY_CD4_TCELL_YOUNG_UP
                                                                                                   GSE2770_TGFB_AND_IL4_ACT_VS_ACT_CD4_TCELL_48H_DN, GSE2770_TGFB_AND_IL4_ACT_VS_ACT_CD4_TCELL_48H_DN
                                                                                                   GSE41867_NAIVE_VS_DAY15_LCMV_ARMSTRONG_EFFECTOR_CD8_TCELL_DN, GSE41867_NAIVE_VS_DAY15_LCMV_ARMSTRONG_EFFECTOR_CD8_TCELL_DN
                                                                                                   GSE9988_LPS_VS_VEHICLE_TREATED_MONOCYTE_DN, GSE9988_LPS_VS_VEHICLE_TREATED_MONOCYTE_DN
                                                                                                   GSE41176_UNSTIM_VS_ANTI_IGM_STIM_BCELL_3H_DN, GSE41176_UNSTIM_VS_ANTI_IGM_STIM_BCELL_3H_DN
                                                                                                   GSE3982_EOSINOPHIL_VS_CENT_MEMORY_CD4_TCELL_UP, GSE3982_EOSINOPHIL_VS_CENT_MEMORY_CD4_TCELL_UP
                                                                                                   GSE6681_DELETED_FOXP3_VS_WT_TREG_DN, GSE6681_DELETED_FOXP3_VS_WT_TREG_DN
                                                                                                   GSE37416 CTRL VS 3H F TULARENSIS LVS NEUTROPHIL UP, GSE37416 CTRL VS 3H F TULARENSIS LVS NEUTROPHIL UP
                                                                                                  GSE13484_12H_UNSTIM_VS_YF17D_VACCINE_STIM_PBMC_UP, GSE13484_12H_UNSTIM_VS_YF17D_VACCINE_STIM_PBMC_UP
                                                                                                   GSE2706_UNSTIM_VS_8H_LPS_DC_UP, GSE2706_UNSTIM_VS_8H_LPS_DC_UP
                                                                                                   GSE37416_CTRL_VS_6H_F_TULARENSIS_LVS_NEUTROPHIL_UP, GSE37416_CTRL_VS_6H_F_TULARENSIS_LVS_NEUTROPHIL_UP
                                                                                                   GSE3982_MAST_CELL_VS_TH2_UP, GSE3982_MAST_CELL_VS_TH2_UP
                                                                                                   GSE45365_WT_VS_IFNAR_KO_CD8A_DC_UP, GSE45365_WT_VS_IFNAR_KO_CD8A_DC_UP
                                                                                                  GSE17721_CTRL_VS_CPG_4H_BMDC_UP, GSE17721_CTRL_VS_CPG_4H_BMDC_UP
                                                                                                  GSE19923_HEB_KO_VS_HEB_AND_E2A_KO_DP_THYMOCYTE_UP, GSE19923_HEB_KO_VS_HEB_AND_E2A_KO_DP_THYMOCYTE_UP
                                                                                                  GSE17721_CTRL_VS_POLYIC_8H_BMDC_UP, GSE17721_CTRL_VS_POLYIC_8H_BMDC_UP
                                                                                                  GSE37533_UNTREATED_VS_PIOGLIZATONE_TREATED_CD4_TCELL_PPARG1_AND_FOXP3_TRASDUCED_DN, GSE37533_UNTREATED_VS_PIOGLIZATONE_TREATED_CD4_TCELL_PPARG1_AND_FOXP3_
                                                                                                   GSE23502_WT_VS_HDC_KO_MYELOID_DERIVED_SUPPRESSOR_CELL_BM_UP, GSE23502_WT_VS_HDC_KO_MYELOID_DERIVED_SUPPRESSOR_CELL_BM_UP
                                                                                                  GSE4590_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_DN, GSE4590_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_DN
                                                                                                  GSE14000_4H_VS_16H_LPS_DC_UP, GSE14000_4H_VS_16H_LPS_DC_UP
                                                                                                  GSE16755_CTRL_VS_IFNA_TREATED_MAC_UP, GSE16755_CTRL_VS_IFNA_TREATED_MAC_UP
                                                                                                  GSE42724_NAIVE_BCELL_VS_PLASMABLAST_DN, GSE42724_NAIVE_BCELL_VS_PLASMABLAST_DN
                                                                                                  GSE2706_2H_VS_8H_R848_AND_LPS_STIM_DC_UP, GSE2706_2H_VS_8H_R848_AND_LPS_STIM_DC_UP
                                                                                                  GSE45365_HEALTHY_VS_MCMV_INFECTION_CD8A_DC_UP, GSE45365_HEALTHY_VS_MCMV_INFECTION_CD8A_DC_UP
                                                                                                  GSE18804_SPLEEN_MACROPHAGE_VS_BRAIN_TUMORAL_MACROPHAGE_DN, GSE18804_SPLEEN_MACROPHAGE_VS_BRAIN_TUMORAL_MACROPHAGE_DN
                                                                                                   GSE20484_MCSG_VS_CXCL4_MONOCYTE_DERIVED_MACROPHAGE_DN, GSE20484_MCSG_VS_CXCL4_MONOCYTE_DERIVED_MACROPHAGE_DN
                                                                                                   GSE36476_CTRL_VS_TSST_ACT_16H_MEMORY_CD4_TCELL_YOUNG_UP, GSE36476_CTRL_VS_TSST_ACT_16H_MEMORY_CD4_TCELL_YOUNG_UP
                                                                                                  GSE18893_TCONV_VS_TREG_24H_TNF_STIM_DN, GSE18893_TCONV_VS_TREG_24H_TNF_STIM_DN
                                                                                                  GSE1432_CTRL_VS_IFNG_6H_MICROGLIA_UP, GSE1432_CTRL_VS_IFNG_6H_MICROGLIA_UP
                                                                                                  GSE7548 NAIVE VS_DAY7_PCC_IMMUNIZATION_CD4_TCELL_UP, GSE7548_NAIVE_VS_DAY7_PCC_IMMUNIZATION_CD4_TCELL_UP
                                                                                                  GSE1791_CTRL_VS_NEUROMEDINU_IN_T_CELL_LINE_12H_UP, GSE1791_CTRL_VS_NEUROMEDINU_IN_T_CELL_LINE_12H_UP
                                                                                                   GSE36476_CTRL_VS_TSST_ACT_16H_MEMORY_CD4_TCELL_OLD_UP, GSE36476_CTRL_VS_TSST_ACT_16H_MEMORY_CD4_TCELL_OLD_UP
                                                                                                   GSE15930_STIM_VS_STIM_AND_IFNAB_72H_CD8_T_CELL_DN, GSE15930_STIM_VS_STIM_AND_IFNAB_72H_CD8_T_CELL_DN
                                                                                                   GSE1432_CTRL_VS_IFNG_24H_MICROGLIA_UP, GSE1432_CTRL_VS_IFNG_24H_MICROGLIA_UP
                                                                                                   GSE24142_EARLY_THYMIC_PROGENITOR_VS_DN2_THYMOCYTE_UP, GSE24142_EARLY_THYMIC_PROGENITOR_VS_DN2_THYMOCYTE_UP
                                                                                                   GSE42021_CD24HI_VS_CD24INT_TREG_THYMUS_UP, GSE42021_CD24HI_VS_CD24INT_TREG_THYMUS_UP
                                                                                                   GSE360_CTRL_VS_L_MAJOR_MAC_UP, GSE360_CTRL_VS_L_MAJOR_MAC_UP
                                                                                                   GSE1448_CTRL_VS_ANTI_VBETA5_DP_THYMOCYTE_DN, GSE1448_CTRL_VS_ANTI_VBETA5_DP_THYMOCYTE_DN
                                                                                                   GSE360 L DONOVANI_VS_L MAJOR_MAC_UP, GSE360 L DONOVANI_VS_L MAJOR_MAC_UP
                                                                                                   GSE3691_IFN_PRODUCING_KILLER_DC_VS_PLASMACYTOID_DC_SPLEEN_UP, GSE3691_IFN_PRODUCING_KILLER_DC_VS_PLASMACYTOID_DC_SPLEEN_UP
                                                                                                   GSE22886_TH1_VS_TH2_48H_ACT_DN, GSE22886_TH1_VS_TH2_48H_ACT_DN
                                                                                                   GSE18281_CORTICAL_THYMOCYTE_VS_WHOLE_CORTEX_THYMUS_DN, GSE18281_CORTICAL_THYMOCYTE_VS_WHOLE_CORTEX_THYMUS_DN
                                                                                                   GSE7509_UNSTIM_VS_FCGRIIB_STIM_MONOCYTE_DN, GSE7509_UNSTIM_VS_FCGRIIB_STIM_MONOCYTE_DN
                                                                                                   GSE30971_CTRL_VS_LPS_STIM_MACROPHAGE_WBP7_HET_4H_DN, GSE30971_CTRL_VS_LPS_STIM_MACROPHAGE_WBP7_HET_4H_DN
                                                                                                   GSE17721_LPS_VS_POLYIC_1H_BMDC_DN, GSE17721_LPS_VS_POLYIC_1H_BMDC_DN
                                                                                                   GSE360 CTRL VS L DONOVANI MAC DN, GSE360 CTRL VS L DONOVANI MAC DN
                                                                                                   GSE20727 H2O2 VS ROS INHIBITOR TREATED DC UP, GSE20727 H2O2 VS ROS INHIBITOR TREATED DC UP
                                                                                                   GSE19941_LPS_VS_LPS_AND_IL10_STIM_IL10_KO_NFKBP50_KO_MACROPHAGE_DN, GSE19941_LPS_VS_LPS_AND_IL10_STIM_IL10_KO_NFKBP50_KO_MACROPHAGE_DN
                                                                                                   GSE42021_TREG_VS_TCONV_PLN_DN, GSE42021_TREG_VS_TCONV_PLN_DN
                                                                                                   GSE17721_CPG_VS_GARDIQUIMOD_12H_BMDC_DN, GSE17721_CPG_VS_GARDIQUIMOD_12H_BMDC_DN
                                                                                                   GSE42021_CD24HI_VS_CD24LOW_TCONV_THYMUS_UP, GSE42021_CD24HI_VS_CD24LOW_TCONV_THYMUS_UP
S_YF17D_VACCINE_STIM_PBMC_UP, GSE13484_UNSTIM_VS_YF17D_VACCINE_STIM_PBMC_UP
                                                                                                   GSE40273_XBP1_KO_VS_WT_TREG_UP, GSE40273_XBP1_KO_VS_WT_TREG_UP
                                                                                                   GSE2770_TGFB_AND_IL4_VS_IL4_TREATED_ACT_CD4_TCELL_48H_DN, GSE2770_TGFB_AND_IL4_VS_IL4_TREATED_ACT_CD4_TCELL_48H_DN
                                                                                                   GSE14308_TH2_VS_NAIVE_CD4_TCELL_DN, GSE14308_TH2_VS_NAIVE_CD4_TCELL_DN
                                                                                                   GSE3982_EOSINOPHIL_VS_DC_DN, GSE3982_EOSINOPHIL_VS_DC_DN
                                                                                                   GSE22611_NOD2_VS_CTRL_TRANSDUCED_HEK293T_CELL_DN, GSE22611_NOD2_VS_CTRL_TRANSDUCED_HEK293T_CELL_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
                                                                                                   GSE39820_CTRL_VS_TGFBETA1_IL6_IL23A_CD4_TCELL_DN, GSE39820_CTRL_VS_TGFBETA1_IL6_IL23A_CD4_TCELL_DN
                                                                                                   GSE1432_1H_VS_6H_IFNG_MICROGLIA_UP, GSE1432_1H_VS_6H_IFNG_MICROGLIA_UP
                                                                                                   GSE30971_CTRL_VS_LPS_STIM_MACROPHAGE_WBP7_HET_2H_DN, GSE30971_CTRL_VS_LPS_STIM_MACROPHAGE_WBP7_HET_2H_DN
                                                                                                   GSE18281_SUBCAPSULAR_VS_PERIMEDULLARY_CORTICAL_REGION_OF_THYMUS_UP, GSE18281_SUBCAPSULAR_VS_PERIMEDULLARY_CORTICAL_REGION_OF_THYMUS_UP
                                                                                                   GSE360_T_GONDII_VS_B_MALAYI_HIGH_DOSE_DC_DN, GSE360_T_GONDII_VS_B_MALAYI_HIGH_DOSE_DC_DN
                                                                                                   GSE15930_STIM_VS_STIM_AND_TRICHOSTATINA_72H_CD8_T_CELL_UP, GSE15930_STIM_VS_STIM_AND_TRICHOSTATINA_72H_CD8_T_CELL_UP
                                                                                                   GSE41978_ID2_KO_AND_BIM_KO_VS_BIM_KO_KLRG1_LOW_EFFECTOR_CD8_TCELL_DN, GSE41978_ID2_KO_AND_BIM_KO_VS_BIM_KO_KLRG1_LOW_EFFECTOR_CD8_TCELL_DN
                                                                                                   GSE19923_HEB_KO_VS_HEB_AND_E2A_KO_DP_THYMOCYTE_DN, GSE19923_HEB_KO_VS_HEB_AND_E2A_KO_DP_THYMOCYTE_DN
                                                                                                   GSE14769_UNSTIM_VS_40MIN_LPS_BMDM_UP, GSE14769_UNSTIM_VS_40MIN_LPS_BMDM_UP
                                                                                                   GSE32901_TH1_VS_TH17_ENRICHED_CD4_TCELL_UP, GSE32901_TH1_VS_TH17_ENRICHED_CD4_TCELL_UP
                                                                                                   GSE3982_CTRL_VS_LPS_4H_MAC_DN, GSE3982_CTRL_VS_LPS_4H_MAC_DN
                                                                                                   GSE17974_IL4_AND_ANTI_IL12_VS_UNTREATED_6H_ACT_CD4_TCELL_DN, GSE17974_IL4_AND_ANTI_IL12_VS_UNTREATED_6H_ACT_CD4_TCELL_DN
                                                                                                   GSE3982_CTRL_VS_LPS_1H_NEUTROPHIL_UP, GSE3982_CTRL_VS_LPS_1H_NEUTROPHIL_UP
                                                                                                  GSE17580_TREG_VS_TEFF_UP, GSE17580_TREG_VS_TEFF_UP
                                                                                                   GSE21033_CTRL_VS_POLYIC_STIM_DC_24H_UP, GSE21033_CTRL_VS_POLYIC_STIM_DC_24H_UP
                                                                                                   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_VS_TCELL_MEMBR
                                                                                                   GSE41867_DAY15_EFFECTOR_VS_DAY30_MEMORY_CD8_TCELL_LCMV_ARMSTRONG_DN, GSE41867_DAY15_EFFECTOR_VS_DAY30_MEMORY_CD8_TCELL_LCMV_ARMSTRONG_DN
                                                                                                   GSE3982_EOSINOPHIL_VS_NKCELL_UP, GSE3982_EOSINOPHIL_VS_NKCELL_UP
                                                                                                   GSE43955_TGFB_IL6_VS_TGFB_IL6_IL23_TH17_ACT_CD4_TCELL_52H_DN, GSE43955_TGFB_IL6_VS_TGFB_IL6_IL23_TH17_ACT_CD4_TCELL_52H_DN
                                                                                                   GSE28737_WT_VS_BCL6_HET_MARGINAL_ZONE_BCELL_DN, GSE28737_WT_VS_BCL6_HET_MARGINAL_ZONE_BCELL_DN
                                                                                                   GSE42021_CD24HI_VS_CD24INT_TCONV_THYMUS_UP, GSE42021_CD24HI_VS_CD24INT_TCONV_THYMUS_UP
                                                                                                   GSE19923_WT_VS_E2A_KO_DP_THYMOCYTE_DN, GSE19923_WT_VS_E2A_KO_DP_THYMOCYTE_DN
                                                                                                  GSE22589_HEALTHY_VS_SIV_INFECTED_DC_DN, GSE22589_HEALTHY_VS_SIV_INFECTED_DC_DN
                                                                                                  GSE360_CTRL_VS_B_MALAYI_LOW_DOSE_MAC_UP, GSE360_CTRL_VS_B_MALAYI_LOW_DOSE_MAC_UP
                                                                                                   GSE14000_UNSTIM_VS_4H_LPS_DC_TRANSLATED_RNA_DN, GSE14000_UNSTIM_VS_4H_LPS_DC_TRANSLATED_RNA_DN
                                                                                                  GSE27786_CD4_TCELL_VS_NKTCELL_UP, GSE27786_CD4_TCELL_VS_NKTCELL_UP
                                                                                                   GSE42021_CD24INT_VS_CD24LOW_TCONV_THYMUS_UP, GSE42021_CD24INT_VS_CD24LOW_TCONV_THYMUS_UP
                                                                                                   GSE25088_CTRL_VS_IL4_AND_ROSIGLITAZONE_STIM_STAT6_KO_MACROPHAGE_DN, GSE25088_CTRL_VS_IL4_AND_ROSIGLITAZONE_STIM_STAT6_KO_MACROPHAGE_DN
                                                                                                   GSE17186_NAIVE_VS_CD21HIGH_TRANSITIONAL_BCELL_UP, GSE17186_NAIVE_VS_CD21HIGH_TRANSITIONAL_BCELL_UP
                                                                                                   GSE42021_CD24HI_VS_CD24INT_TCONV_THYMUS_DN, GSE42021_CD24HI_VS_CD24INT_TCONV_THYMUS_DN
                                                                                                   GSE20152_HTNFA_OVERXPRESS_ANKLE_VS_CTRL_SPHK1_KO_ANKLE_UP, GSE20152_HTNFA_OVERXPRESS_ANKLE_VS_CTRL_SPHK1_KO_ANKLE_UP
                                                                                                  GSE35685_CD34POS_CD38NEG_VS_CD34POS_CD10POS_BONE_MARROW_UP, GSE35685_CD34POS_CD38NEG_VS_CD34POS_CD10POS_BONE_MARROW_UP
                                                                                                   GSE3982_BCELL_VS_TH2_DN, GSE3982_BCELL_VS_TH2_DN
                                                                                                   GSE18281_SUBCAPSULAR_CORTICAL_REGION_VS_WHOLE_MEDULLA_THYMUS_DN, GSE18281_SUBCAPSULAR_CORTICAL_REGION_VS_WHOLE_MEDULLA_THYMUS_DN
                                                                                                  GSE40685_TREG_VS_FOXP3_KO_TREG_PRECURSOR_UP, GSE40685_TREG_VS_FOXP3_KO_TREG_PRECURSOR_UP
                                                                                                   GSE1460_DP_THYMOCYTE_VS_THYMIC_STROMAL_CELL_UP, GSE1460_DP_THYMOCYTE_VS_THYMIC_STROMAL_CELL_UP
                                                                                                   GSE360_CTRL_VS_T_GONDII_DC_UP, GSE360_CTRL_VS_T_GONDII_DC_UP
                                                                                                  GSE41176_UNSTIM_VS_ANTI_IGM_STIM_TAK1_KO_BCELL_3H_UP, GSE41176_UNSTIM_VS_ANTI_IGM_STIM_TAK1_KO_BCELL_3H_UP
                                                                                                   GSE21063_3H_VS_16H_ANTI_IGM_STIM_NFATC1_KOBCELL_UP, GSE21063_3H_VS_16H_ANTI_IGM_STIM_NFATC1_KOBCELL_UP
                                                                                                  GSE17721_PAM3CSK4_VS_CPG_12H_BMDC_DN, GSE17721_PAM3CSK4_VS_CPG_12H_BMDC_DN
                                                                                                   GSE15930_STIM_VS_STIM_AND_IFNAB_72H_CD8_T_CELL_UP, GSE15930_STIM_VS_STIM_AND_IFNAB_72H_CD8_T_CELL_UP
                                                                                                   GSE15930_STIM_VS_STIM_AND_IFNAB_48H_CD8_T_CELL_DN, GSE15930_STIM_VS_STIM_AND_IFNAB_48H_CD8_T_CELL_DN
                                                                                                   GSE34156_NOD2_LIGAND_VS_TLR1_TLR2_LIGAND_6H_TREATED_MONOCYTE_UP, GSE34156_NOD2_LIGAND_VS_TLR1_TLR2_LIGAND_6H_TREATED_MONOCYTE_UP
                                                                                                   GSE5503_LIVER_DC_VS_MLN_DC_ACTIVATED_ALLOGENIC_TCELL_UP, GSE5503_LIVER_DC_VS_MLN_DC_ACTIVATED_ALLOGENIC_TCELL_UP
                                                                                                   GSE37532_WT_VS_PPARG_KO_LN_TCONV_UP, GSE37532_WT_VS_PPARG_KO_LN_TCONV_UP
                                                                                                   GSE21927_SPLEEN_MONOCYTE_VS_GMCSF_GCSF_BONE_MARROW_DN, GSE21927_SPLEEN_MONOCYTE_VS_GMCSF_GCSF_BONE_MARROW_DN
                                                                                                   GSE36527_CD69_NEG_VS_POS_TREG_CD62L_LOS_KLRG1_NEG_UP, GSE36527_CD69_NEG_VS_POS_TREG_CD62L_LOS_KLRG1_NEG_UP
                                                                                                   GSE360 L DONOVANI VS M TUBERCULOSIS DC UP, GSE360 L DONOVANI VS M TUBERCULOSIS DC UP
                                                                                                   GSE24142_EARLY_THYMIC_PROGENITOR_VS_DN3_THYMOCYTE_FETAL_DN, GSE24142_EARLY_THYMIC_PROGENITOR_VS_DN3_THYMOCYTE_FETAL_DN
                                                                                                  GSE15930_STIM_VS_STIM_AND_TRICHOSTATINA_24H_CD8_T_CELL_UP, GSE15930_STIM_VS_STIM_AND_TRICHOSTATINA_24H_CD8_T_CELL_UP
                                                                                                   GSE12707_AT16L1_HYPOMORPH_VS_WT_THYMUS_DN, GSE12707_AT16L1_HYPOMORPH_VS_WT_THYMUS_DN
                                                                                                  GSE360_L_MAJOR_VS_B_MALAYI_HIGH_DOSE_MAC_UP, GSE360_L_MAJOR_VS_B_MALAYI_HIGH_DOSE_MAC_UP
                                                                                                  GSE46606_UNSTIM_VS_CD40L_IL2_IL5_3DAY_STIMULATED_IRF4HIGH_SORTED_BCELL_UP, GSE46606_UNSTIM_VS_CD40L_IL2_IL5_3DAY_STIMULATED_IRF4HIGH_SORTED_BCELL_UP
                                                                                                   GSE27786_CD4_TCELL_VS_NKTCELL_DN, GSE27786_CD4_TCELL_VS_NKTCELL_DN
                                                                                                  GSE43955_1H_VS_42H_ACT_CD4_TCELL_WITH_TGFB_IL6_DN, GSE43955_1H_VS_42H_ACT_CD4_TCELL_WITH_TGFB_IL6_DN
                                                                                                  GSE43863 TFH_VS_LY6C_INT_CXCR5POS_EFFECTOR_CD4_TCELL_DN, GSE43863_TFH_VS_LY6C_INT_CXCR5POS_EFFECTOR_CD4_TCELL_DN
                                                                                                  GSE28130 ACTIVATED VS INDUCEED TREG UP, GSE28130 ACTIVATED VS INDUCEED TREG UP
                                                                                                  GSE22611_UNSTIM_VS_6H_MDP_STIM_MUTANT_NOD2_TRANSDUCED_HEK293T_CELL_DN, GSE22611_UNSTIM_VS_6H_MDP_STIM_MUTANT_NOD2_TRANSDUCED_HEK293T_CELL_DN
                                                                                                  GSE7459_UNTREATED_VS_IL6_TREATED_ACT_CD4_TCELL_UP, GSE7459_UNTREATED_VS_IL6_TREATED_ACT_CD4_TCELL_UP
                                                                                                   GSE23114 WT VS SLE2C1 MOUSE SPLEEN B1A BCELL DN, GSE23114 WT VS SLE2C1 MOUSE SPLEEN B1A BCELL DN
                                                                                                   GSE5542_IFNA_VS_IFNA_AND_IFNG_TREATED_EPITHELIAL_CELLS_24H_UP, GSE5542_IFNA_VS_IFNA_AND_IFNG_TREATED_EPITHELIAL_CELLS_24H_UP
                                                                                                  GSE5679_CTRL_VS_PPARG_LIGAND_ROSIGLITAZONE_AND_RARA_AGONIST_AM580_TREATED_DC_UP, GSE5679_CTRL_VS_PPARG_LIGAND_ROSIGLITAZONE_AND_RARA_AGONIST_AM580_TREATE
                                                                                                  GSE42724_NAIVE_VS_MEMORY_BCELL_UP, GSE42724_NAIVE_VS_MEMORY_BCELL_UP
                                                                                                   GSE22025_UNTREATED_VS_TGFB1_AND_PROGESTERONE_TREATED_CD4_TCELL_DN, GSE22025_UNTREATED_VS_TGFB1_AND_PROGESTERONE_TREATED_CD4_TCELL_DN
                                                                                                  GSE9960_HEALTHY_VS_SEPSIS_PBMC_UP, GSE9960_HEALTHY_VS_SEPSIS_PBMC_UP
                                                                                                  GSE11961 UNSTIM VS ANTI IGM AND CD40 STIM 6H FOLLICULAR BCELL UP, GSE11961 UNSTIM VS ANTI IGM AND CD40 STIM 6H FOLLICULAR BCELL UP
                                                                                                   GSE24972_MARGINAL_ZONE_BCELL_VS_FOLLICULAR_BCELL_UP, GSE24972_MARGINAL_ZONE_BCELL_VS_FOLLICULAR_BCELL_UP
                                                                                                  GSE5589 WT_VS_IL6 KO_LPS_AND_IL10 STIM_MACROPHAGE_180MIN_DN, GSE5589 WT_VS_IL6 KO_LPS_AND_IL10 STIM_MACROPHAGE_180MIN_DN
                                                                                                  GSE15330_HSC_VS_MEGAKARYOCYTE_ERYTHROID_PROGENITOR_DN, GSE15330_HSC_VS_MEGAKARYOCYTE_ERYTHROID_PROGENITOR_DN
                                                                                                  GSE32423_CTRL_VS_IL7_MEMORY_CD8_TCELL_DN, GSE32423_CTRL_VS_IL7_MEMORY_CD8_TCELL_DN
                                                                                                   GSE9006_1MONTH_VS_4MONTH_POST_TYPE_1_DIABETES_DX_PBMC_DN, GSE9006_1MONTH_VS_4MONTH_POST_TYPE_1_DIABETES_DX_PBMC_DN
                                                                                                   GSE360_HIGH_VS_LOW_DOSE_B_MALAYI_MAC_DN, GSE360_HIGH_VS_LOW_DOSE_B_MALAYI_MAC_DN
                                                                                                   GSE20715_0H_VS_48H_OZONE_LUNG_UP, GSE20715_0H_VS_48H_OZONE_LUNG_UP
                                                                                                   GSE17974_IL4_AND_ANTI_IL12_VS_UNTREATED_72H_ACT_CD4_TCELL_UP, GSE17974_IL4_AND_ANTI_IL12_VS_UNTREATED_72H_ACT_CD4_TCELL_UP
                                                                                                   GSE16385 UNTREATED_VS_12H_ROSIGLITAZONE_TREATED_MACROPHAGE_DN, GSE16385_UNTREATED_VS_12H_ROSIGLITAZONE_TREATED_MACROPHAGE_DN
                                                                                                   GSE43955_TH0_VS_TGFB_IL6_TH17_ACT_CD4_TCELL_20H_UP, GSE43955_TH0_VS_TGFB_IL6_TH17_ACT_CD4_TCELL_20H_UP
                                                                                                   GSE25846_IL10_POS_VS_NEG_CD8_TCELL_DAY7_POST_CORONAVIRUS_BRAIN_UP, GSE25846_IL10_POS_VS_NEG_CD8_TCELL_DAY7_POST_CORONAVIRUS_BRAIN_UP
                                                                                                   GSE22886_CD8_TCELL_VS_BCELL_NAIVE_DN, GSE22886_CD8_TCELL_VS_BCELL_NAIVE_DN
                                                                                                   GSE2770_UNTREATED_VS_TGFB_AND_IL12_TREATED_ACT_CD4_TCELL_48H_UP, GSE2770_UNTREATED_VS_TGFB_AND_IL12_TREATED_ACT_CD4_TCELL_48H_UP
                                                                                                   GSE23114_PERITONEAL_CAVITY_B1A_BCELL_VS_SPLEEN_BCELL_IN_SLE2C1_MOUSE_DN, GSE23114_PERITONEAL_CAVITY_B1A_BCELL_VS_SPLEEN_BCELL_IN_SLE2C1_MOUSE_DN
                                                                                                   GSE8515_CTRL_VS_IL1_4H_STIM_MAC_UP, GSE8515_CTRL_VS_IL1_4H_STIM_MAC_UP
                                                                                                   GSE46242_TH1_VS_ANERGIC_TH1_CD4_TCELL_WITH_EGR2_DELETED_DN, GSE46242_TH1_VS_ANERGIC_TH1_CD4_TCELL_WITH_EGR2_DELETED_DN
                                                                                                   GSE22611_UNSTIM_VS_6H_MDP_STIM_NOD2_TRANSDUCED_HEK293T_CELL_UP, GSE22611_UNSTIM_VS_6H_MDP_STIM_NOD2_TRANSDUCED_HEK293T_CELL_UP
                                                                                                   GSE22886_IGA_VS_IGM_MEMORY_BCELL_UP, GSE22886_IGA_VS_IGM_MEMORY_BCELL_UP
                                                                                                   GSE36527_CD62L_HIGH_CD69_NEG_VS_CD62L_LOW_CD69_POS_TREG_KLRG1_NEG_DN, GSE36527_CD62L_HIGH_CD69_NEG_VS_CD62L_LOW_CD69_POS_TREG_KLRG1_NEG_DN
                                                                                                   GSE21360_PRIMARY_VS_SECONDARY_MEMORY_CD8_TCELL_DN, GSE21360_PRIMARY_VS_SECONDARY_MEMORY_CD8_TCELL_DN
                                                                                                   GSE34156_NOD2_LIGAND_VS_TLR1_TLR2_LIGAND_24H_TREATED_MONOCYTE_UP, GSE34156_NOD2_LIGAND_VS_TLR1_TLR2_LIGAND_24H_TREATED_MONOCYTE_UP
                                                                                                   GSE34006_WT_VS_A2AR_KO_TREG_UP, GSE34006_WT_VS_A2AR_KO_TREG_UP
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GSE1740 MCSF VS MCSF AND IFNG DAY2 DERIVED MACROPHAGE UP, GSE1740 MCSF VS MCSF AND IFNG DAY2 DERIVED MACROPHAGE UP

GSE37301 MULTIPOTENT PROGENITOR VS GRAN MONO PROGENITOR UP, GSE37301 MULTIPOTENT PROGENITOR VS GRAN MONO PROGENITOR UP

GSE17721\_LPS\_VS\_POLYIC\_2H\_BMDC\_UP, GSE17721\_LPS\_VS\_POLYIC\_2H\_BMDC\_UP

GSE22886\_CD4\_TCELL\_VS\_BCELL\_NAIVE\_DN, GSE22886\_CD4\_TCELL\_VS\_BCELL\_NAIVE\_DN

GSE9650\_NAIVE\_VS\_EXHAUSTED\_CD8\_TCELL\_DN, GSE9650\_NAIVE\_VS\_EXHAUSTED\_CD8\_TCELL\_DN

GSE18791\_UNSTIM\_VS\_NEWCATSLE\_VIRUS\_DC\_10H\_DN, GSE18791\_UNSTIM\_VS\_NEWCATSLE\_VIRUS\_DC\_10H\_DN

GSE6269\_HEALTHY\_VS\_STAPH\_AUREUS\_INF\_PBMC\_DN, GSE6269\_HEALTHY\_VS\_STAPH\_AUREUS\_INF\_PBMC\_DN