```
GSE21927_GMCSF_IL6_VS_GMCSF_GCSF_TREATED_BONE_MARROW_DN, GSE21927_GMCSF_IL6_VS_GMCSF_GCSF_TREATED_BONE_MARROW_DN
                                                                                                    GSE24634_NAIVE_CD4_TCELL_VS_DAY3_IL4_CONV_TREG_DN, GSE24634_NAIVE_CD4_TCELL_VS_DAY3_IL4_CONV_TREG_DN
                                                                                                   GSE24634 NAIVE CD4 TCELL VS DAY5 IL4 CONV_TREG_DN, GSE24634 NAIVE CD4 TCELL VS DAY5 IL4 CONV_TREG_DN
                                                                                                   GSE360_L_MAJOR_VS_T_GONDII_MAC_DN, GSE360_L_MAJOR_VS_T_GONDII_MAC_DN
                                                                                                    GSE14000_UNSTIM_VS_16H_LPS_DC_UP, GSE14000_UNSTIM_VS_16H_LPS_DC_UP
                                                                                                    GSE17974 CTRL VS ACT IL4 AND ANTI IL12 48H CD4 TCELL DN, GSE17974 CTRL VS ACT IL4 AND ANTI IL12 48H CD4 TCELL DN
                                                                                                    GSE20500 CTRL VS RETINOIC ACID TREATED CD4 TCELL UP, GSE20500 CTRL VS RETINOIC ACID TREATED CD4 TCELL UP
                                                                                                    GSE13484_UNSTIM_VS_YF17D_VACCINE_STIM_PBMC_DN, GSE13484_UNSTIM_VS_YF17D_VACCINE_STIM_PBMC_DN
                                                                                                    GSE15930_NAIVE_VS_72H_IN_VITRO_STIM_IFNAB_CD8_TCELL_DN, GSE15930_NAIVE_VS_72H_IN_VITRO_STIM_IFNAB_CD8_TCELL_DN
                                                                                                    GSE37532_WT_VS_PPARG_KO_VISCERAL_ADIPOSE_TISSUE_TCONV_DN, GSE37532_WT_VS_PPARG_KO_VISCERAL_ADIPOSE_TISSUE_TCONV_DN
                                                                                                    GSE2405_0H_VS_1.5H_A_PHAGOCYTOPHILUM_STIM_NEUTROPHIL_DN, GSE2405_0H_VS_1.5H_A_PHAGOCYTOPHILUM_STIM_NEUTROPHIL_DN
                                                                                                    GSE7509_DC_VS_MONOCYTE_WITH_FCGRIIB_STIM_DN, GSE7509_DC_VS_MONOCYTE_WITH_FCGRIIB_STIM_DN
                                                                                                    GSE15330_MEGAKARYOCYTE_ERYTHROID_VS_GRANULOCYTE_MONOCYTE_PROGENITOR_UP, GSE15330_MEGAKARYOCYTE_ERYTHROID_VS_GRANULOCYTE_MONOCYTE_PROGENITOR_UP
                                                                                                    GSE17721_POLYIC_VS_CPG_16H_BMDC_DN, GSE17721_POLYIC_VS_CPG_16H_BMDC_DN
                                                                                                   GSE21670_TGFB_VS_TGFB_AND_IL6_TREATED_STAT3_KO_CD4_TCELL_DN, GSE21670_TGFB_VS_TGFB_AND_IL6_TREATED_STAT3_KO_CD4_TCELL_DN
                                                                                                   GSE36392_TYPE_2_MYELOID_VS_NEUTROPHIL_IL25_TREATED_LUNG_DN, GSE36392_TYPE_2_MYELOID_VS_NEUTROPHIL_IL25_TREATED_LUNG_DN
                                                                                                    GSE16755_CTRL_VS_IFNA_TREATED_MAC_DN, GSE16755_CTRL_VS_IFNA_TREATED_MAC_DN
                                                                                                    GSE37533_PPARG1_FOXP3_VS_FOXP3_TRANSDUCED_CD4_TCELL_DN, GSE37533_PPARG1_FOXP3_VS_FOXP3_TRANSDUCED_CD4_TCELL_DN
                                                                                                    GSE21360_NAIVE_VS_QUATERNARY_MEMORY_CD8_TCELL_DN, GSE21360_NAIVE_VS_QUATERNARY_MEMORY_CD8_TCELL_DN
                                                                                                    GSE20152_SPHK1_KO_VS_HTNFA_OVEREXPRESS_ANKLE_DN, GSE20152_SPHK1_KO_VS_HTNFA_OVEREXPRESS_ANKLE_DN
                                                                                                    GSE21063_WT_VS_NFATC1_KO_BCELL_DN, GSE21063_WT_VS_NFATC1_KO_BCELL_DN
                                                                                                   GSE3982_BASOPHIL_VS_TH2_DN, GSE3982_BASOPHIL_VS_TH2_DN
                                                                                                    GSE21360 NAIVE VS QUATERNARY MEMORY CD8 TCELL UP, GSE21360 NAIVE VS QUATERNARY MEMORY CD8 TCELL UP
                                                                                                    GSE32986_UNSTIM_VS_CURDLAN_HIGHDOSE_STIM_DC_UP, GSE32986_UNSTIM_VS_CURDLAN_HIGHDOSE_STIM_DC_UP
                                                                                                   GSE360_L_MAJOR_VS_B_MALAYI_LOW_DOSE_MAC_DN, GSE360_L_MAJOR_VS_B_MALAYI_LOW_DOSE_MAC_DN
                                                                                                   GSE1432_1H_VS_6H_IFNG_MICROGLIA_DN, GSE1432_1H_VS_6H_IFNG_MICROGLIA_DN
                                                                                                    GSE23321_CD8_STEM_CELL_MEMORY_VS_NAIVE_CD8_TCELL_UP, GSE23321_CD8_STEM_CELL_MEMORY_VS_NAIVE_CD8_TCELL_UP
                                                                                                   GSE32986_UNSTIM_VS_GMCSF_AND_CURDLAN_HIGHDOSE_STIM_DC_UP, GSE32986_UNSTIM_VS_GMCSF_AND_CURDLAN_HIGHDOSE_STIM_DC_UP
                                                                                                    GSE30971_2H_VS_4H_LPS_STIM_MACROPHAGE_WBP7_HET_UP, GSE30971_2H_VS_4H_LPS_STIM_MACROPHAGE_WBP7_HET_UP
                                                                                                    GSE6269_HEALTHY_VS_STAPH_AUREUS_INF_PBMC_UP, GSE6269_HEALTHY_VS_STAPH_AUREUS_INF_PBMC_UP
                                                                                                    GSE32034_LY6C_HIGH_VS_LOW_MONOCYTE_DN, GSE32034_LY6C_HIGH_VS_LOW_MONOCYTE_DN
                                                                                                   GSE6674_UNSTIM_VS_ANTI_IGM_STIM_BCELL_UP, GSE6674_UNSTIM_VS_ANTI_IGM_STIM_BCELL_UP
                                                                                                    GSE37533_PPARG2_FOXP3_VS_FOXP3_TRANSDUCED_CD4_TCELL_DN, GSE37533_PPARG2_FOXP3_VS_FOXP3_TRANSDUCED_CD4_TCELL_DN
                                                                                                   GSE26890_CXCR1_NEG_VS_POS_EFFECTOR_CD8_TCELL_UP, GSE26890_CXCR1_NEG_VS_POS_EFFECTOR_CD8_TCELL_UP
                                                                                                   GSE13411_NAIVE_VS_MEMORY_BCELL_DN, GSE13411_NAIVE_VS_MEMORY_BCELL_DN
                                                                                                   GSE14769_UNSTIM_VS_240MIN_LPS_BMDM_UP, GSE14769_UNSTIM_VS_240MIN_LPS_BMDM_UP
                                                                                                   GSE18791_CTRL_VS_NEWCASTLE_VIRUS_DC_4H_DN, GSE18791_CTRL_VS_NEWCASTLE_VIRUS_DC_4H_DN
                                                                                                   GSE2770_IL12_AND_TGFB_ACT_VS_ACT_CD4_TCELL_48H_DN, GSE2770_IL12_AND_TGFB_ACT_VS_ACT_CD4_TCELL_48H_DN
                                                                                                   GSE6269_FLU_VS_E_COLI_INF_PBMC_UP, GSE6269_FLU_VS_E_COLI_INF_PBMC_UP
                                                                                                   GSE24634_IL4_VS_CTRL_TREATED_NAIVE_CD4_TCELL_DAY3_DN, GSE24634_IL4_VS_CTRL_TREATED_NAIVE_CD4_TCELL_DAY3_DN
                                                                                                   GSE25085_FETAL_BM_VS_ADULT_BM_SP4_THYMIC_IMPLANT_UP, GSE25085_FETAL_BM_VS_ADULT_BM_SP4_THYMIC_IMPLANT_UP
                                                                                                   GSE39382_IL3_VS_IL3_IL33_TREATED_MAST_CELL_DN, GSE39382_IL3_VS_IL3_IL33_TREATED_MAST_CELL_DN
                                                                                                   GSE17721_CTRL_VS_GARDIQUIMOD_0.5H_BMDC_UP, GSE17721_CTRL_VS_GARDIQUIMOD_0.5H_BMDC_UP
                                                                                                   GSE37416 OH VS 3H F TULARENSIS LVS NEUTROPHIL DN, GSE37416 OH VS 3H F TULARENSIS LVS NEUTROPHIL DN
                                                                                                   GSE17721_CPG_VS_GARDIQUIMOD_2H_BMDC_DN, GSE17721_CPG_VS_GARDIQUIMOD_2H_BMDC_DN
                                                                                                   GSE22886_CTRL_VS_LPS_24H_DC_DN, GSE22886_CTRL_VS_LPS_24H_DC_DN
                                                                                                    GSE46606_UNSTIM_VS_CD40L_IL2_IL5_1DAY_STIMULATED_IRF4_KO_BCELL_UP, GSE46606_UNSTIM_VS_CD40L_IL2_IL5_1DAY_STIMULATED_IRF4_KO_BCELL_UP
                                                                                                   GSE7548_NAIVE_VS_DAY7_PCC_IMMUNIZATION_CD4_TCELL_DN, GSE7548_NAIVE_VS_DAY7_PCC_IMMUNIZATION_CD4_TCELL_DN
                                                                                                    GSE24634_IL4_VS_CTRL_TREATED_NAIVE_CD4_TCELL_DAY10_DN, GSE24634_IL4_VS_CTRL_TREATED_NAIVE_CD4_TCELL_DAY10_DN
                                                                                                    GSE28408_LY6G_POS_VS_NEG_DC_DN, GSE28408_LY6G_POS_VS_NEG_DC_DN
                                                                                                   GSE13485_DAY7_VS_DAY21_YF17D_VACCINE_PBMC_UP, GSE13485_DAY7_VS_DAY21_YF17D_VACCINE_PBMC_UP
                                                                                                    GSE3720_VD1_VS_VD2_GAMMADELTA_TCELL_WITH_LPS_STIM_DN, GSE3720_VD1_VS_VD2_GAMMADELTA_TCELL_WITH_LPS_STIM_DN
                                                                                                   GSE9960_HEALTHY_VS_GRAM_POS_SEPSIS_PBMC_DN, GSE9960_HEALTHY_VS_GRAM_POS_SEPSIS_PBMC_DN
                                                                                                   GSE14415_INDUCED_TREG_VS_FAILED_INDUCED_TREG_DN, GSE14415_INDUCED_TREG_VS_FAILED_INDUCED_TREG_DN
                                                                                                    GSE17721_POLYIC_VS_GARDIQUIMOD_0.5H_BMDC_DN, GSE17721_POLYIC_VS_GARDIQUIMOD_0.5H_BMDC_DN
                                                                                                   GSE11864_CSF1_VS_CSF1_IFNG_IN_MAC_DN, GSE11864_CSF1_VS_CSF1_IFNG_IN_MAC_DN
                                                                                                   GSE10325_BCELL_VS_LUPUS_BCELL_DN, GSE10325_BCELL_VS_LUPUS_BCELL_DN
                                                                                                   GSE14000_UNSTIM_VS_4H_LPS_DC_DN, GSE14000_UNSTIM_VS_4H_LPS_DC_DN
                                                                                                   GSE34156_UNTREATED_VS_6H_NOD2_AND_TLR1_TLR2_LIGAND_TREATED_MONOCYTE_DN, GSE34156_UNTREATED_VS_6H_NOD2_AND_TLR1_TLR2_LIGAND_TREATED_MONOCYTE_DN
                                                                                                   GSE17721_LPS_VS_POLYIC_8H_BMDC_UP, GSE17721_LPS_VS_POLYIC_8H_BMDC_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_MEMBRA
                                                                                                   GSE13485_DAY1_VS_DAY7_YF17D_VACCINE_PBMC_DN, GSE13485_DAY1_VS_DAY7_YF17D_VACCINE_PBMC_DN
                                                                                                   GSE37533_UNTREATED_VS_PIOGLIZATONE_TREATED_CD4_TCELL_PPARG1_AND_FOXP3_TRASDUCED_UP, GSE37533_UNTREATED_VS_PIOGLIZATONE_TREATED_CD4_TCELL_PPARG1_AND_FOXP3_T
                                                                                                    GSE37533_PPARG1_FOXP3_VS_PPARG2_FOXP3_TRANSDUCED_CD4_TCELL_PIOGLITAZONE_TREATED_DN, GSE37533_PPARG1_FOXP3_VS_PPARG2_FOXP3_TRANSDUCED_CD4_TCELL_PIOGLITAZONE_T
                                                                                                   GSE18791_UNSTIM_VS_NEWCATSLE_VIRUS_DC_10H_DN, GSE18791_UNSTIM_VS_NEWCATSLE_VIRUS_DC_10H_DN
                                                                                                   GSE22140_GERMFREE_VS_SPF_MOUSE_CD4_TCELL_UP, GSE22140_GERMFREE_VS_SPF_MOUSE_CD4_TCELL_UP
                                                                                                   GSE37533_PPARG1_FOXP3_VS_FOXP3_TRANSDUCED_CD4_TCELL_PIOGLITAZONE_TREATED_UP, GSE37533_PPARG1_FOXP3_VS_FOXP3_TRANSDUCED_CD4_TCELL_PIOGLITAZONE_TREATED_UP
                                                                                                   GSE19401_UNSTIM_VS_PAM2CSK4_STIM_FOLLICULAR_DC_DN, GSE19401_UNSTIM_VS_PAM2CSK4_STIM_FOLLICULAR_DC_DN
                                                                                                   GSE14000_UNSTIM_VS_4H_LPS_DC_TRANSLATED_RNA_DN, GSE14000_UNSTIM_VS_4H_LPS_DC_TRANSLATED_RNA_DN
                                                                                                    GSE2405_HEAT_KILLED_LYSATE_VS_LIVE_A_PHAGOCYTOPHILUM_STIM_NEUTROPHIL_9H_DN, GSE2405_HEAT_KILLED_LYSATE_VS_LIVE_A_PHAGOCYTOPHILUM_STIM_NEUTROPHIL_9H_DN
                                                                                                    GSE21546_WT_VS_SAP1A_KO_DP_THYMOCYTES_UP, GSE21546_WT_VS_SAP1A_KO_DP_THYMOCYTES_UP
                                                                                                    GSE40274_CTRL_VS_FOXP3_AND_SATB1_TRANSDUCED_ACTIVATED_CD4_TCELL_UP, GSE40274_CTRL_VS_FOXP3_AND_SATB1_TRANSDUCED_ACTIVATED_CD4_TCELL_UP
                                                                                                    GSE18791_CTRL_VS_NEWCASTLE_VIRUS_DC_8H_DN, GSE18791_CTRL_VS_NEWCASTLE_VIRUS_DC_8H_DN
                                                                                                    GSE13485_CTRL_VS_DAY7_YF17D_VACCINE_PBMC_DN, GSE13485_CTRL_VS_DAY7_YF17D_VACCINE_PBMC_DN
                                                                                                    GSE42021_TREG_VS_TCONV_PLN_UP, GSE42021_TREG_VS_TCONV_PLN_UP
                                                                                                    GSE3039_NKT_CELL_VS_ALPHABETA_CD8_TCELL_DN, GSE3039_NKT_CELL_VS_ALPHABETA_CD8_TCELL_DN
                                                                                                    GSE5589_LPS_VS_LPS_AND_IL10_STIM_IL10_KO_MACROPHAGE_45MIN_DN, GSE5589_LPS_VS_LPS_AND_IL10_STIM_IL10_KO_MACROPHAGE_45MIN_DN
                                                                                                   GSE6269_FLU_VS_STREP_PNEUMO_INF_PBMC_UP, GSE6269_FLU_VS_STREP_PNEUMO_INF_PBMC_UP
                                                                                                   GSE14308_TH2_VS_TH1_UP, GSE14308_TH2_VS_TH1_UP
                                                                                                    GSE21927_SPLEEN_C57BL6_VS_4T1_TUMOR_BALBC_MONOCYTES_DN, GSE21927_SPLEEN_C57BL6_VS_4T1_TUMOR_BALBC_MONOCYTES_DN
                                                                                                   GSE1460_INTRATHYMIC_T_PROGENITOR_VS_CD4_THYMOCYTE_UP, GSE1460_INTRATHYMIC_T_PROGENITOR_VS_CD4_THYMOCYTE_UP
                                                                                                    GSE36826_WT_VS_IL1R_KO_SKIN_STAPH_AUREUS_INF_DN, GSE36826_WT_VS_IL1R_KO_SKIN_STAPH_AUREUS_INF_DN
                                                                                                    GSE360_L_MAJOR_VS_B_MALAYI_HIGH_DOSE_MAC_DN, GSE360_L_MAJOR_VS_B_MALAYI_HIGH_DOSE_MAC_DN
                                                                                                    GSE21360_PRIMARY_VS_TERTIARY_MEMORY_CD8_TCELL_DN, GSE21360_PRIMARY_VS_TERTIARY_MEMORY_CD8_TCELL_DN
                                                                                                    GSE18281_SUBCAPSULAR_VS_CENTRAL_CORTICAL_REGION_OF_THYMUS_UP, GSE18281_SUBCAPSULAR_VS_CENTRAL_CORTICAL_REGION_OF_THYMUS_UP
                                                                                                    GSE7509_DC_VS_MONOCYTE_DN, GSE7509_DC_VS_MONOCYTE_DN
                                                                                                    GSE8515_CTRL_VS_IL6_4H_STIM_MAC_UP, GSE8515_CTRL_VS_IL6_4H_STIM_MAC_UP
                                                                                                   GSE15930_STIM_VS_STIM_AND_TRICHOSTATINA_48H_CD8_T_CELL_DN, GSE15930_STIM_VS_STIM_AND_TRICHOSTATINA_48H_CD8_T_CELL_DN
                                                                                                    GSE40685_TREG_VS_FOXP3_KO_TREG_PRECURSOR_UP, GSE40685_TREG_VS_FOXP3_KO_TREG_PRECURSOR_UP
                                                                                                   GSE37534_UNTREATED_VS_PIOGLITAZONE_TREATED_CD4_TCELL_PPARG1_AND_FOXP3_TRASDUCED_DN, GSE37534_UNTREATED_VS_PIOGLITAZONE_TREATED_CD4_TCELL_PPARG1_AND_FOXP3_T
                                                                                                    GSE17721_POLYIC_VS_CPG_1H_BMDC_UP, GSE17721_POLYIC_VS_CPG_1H_BMDC_UP
                                                                                                    GSE3982_CTRL_VS_IGE_STIM_MAST_CELL_DN, GSE3982_CTRL_VS_IGE_STIM_MAST_CELL_DN
                                                                                                    GSE10325_MYELOID_VS_LUPUS_MYELOID_DN, GSE10325_MYELOID_VS_LUPUS_MYELOID_DN
                                                                                                    GSE37301_HEMATOPOIETIC_STEM_CELL_VS_LYMPHOID_PRIMED_MPP_DN, GSE37301_HEMATOPOIETIC_STEM_CELL_VS_LYMPHOID_PRIMED_MPP_DN
                                                                                                    GSE18791_UNSTIM_VS_NEWCATSLE_VIRUS_DC_6H_DN, GSE18791_UNSTIM_VS_NEWCATSLE_VIRUS_DC_6H_DN
                                                                                                    GSE1432_CTRL_VS_IFNG_6H_MICROGLIA_DN, GSE1432_CTRL_VS_IFNG_6H_MICROGLIA_DN
                                                                                                    GSE37534_UNTREATED_VS_ROSIGLITAZONE_TREATED_CD4_TCELL_PPARG1_AND_FOXP3_TRASDUCED_DN, GSE37534_UNTREATED_VS_ROSIGLITAZONE_TREATED_CD4_TCELL_PPARG1_AND_FOXP
                                                                                                    GSE19401_PLN_VS_PEYERS_PATCH_FOLLICULAR_DC_DN, GSE19401_PLN_VS_PEYERS_PATCH_FOLLICULAR_DC_DN
                                                                                                    GSE20727_DNFB_ALLERGEN_VS_ROS_INH_AND_DNFB_ALLERGEN_TREATED_DC_DN, GSE20727_DNFB_ALLERGEN_VS_ROS_INH_AND_DNFB_ALLERGEN_TREATED_DC_DN
                                                                                                    GSE37534_UNTREATED_VS_GW1929_TREATED_CD4_TCELL_PPARG1_AND_FOXP3_TRASDUCED_UP, GSE37534_UNTREATED_VS_GW1929_TREATED_CD4_TCELL_PPARG1_AND_FOXP3_TRASDUCED_UP
                                                                                                    GSE13522_CTRL_VS_T_CRUZI_G_STRAIN_INF_SKIN_UP, GSE13522_CTRL_VS_T_CRUZI_G_STRAIN_INF_SKIN_UP
                                                                                                    GSE22935_WT_VS_MYD88_KO_MACROPHAGE_12H_MBOVIS_BCG_STIM_UP, GSE22935_WT_VS_MYD88_KO_MACROPHAGE_12H_MBOVIS_BCG_STIM_UP
                                                                                                    GSE42021_TCONV_PLN_VS_CD24HI_TCONV_THYMUS_UP, GSE42021_TCONV_PLN_VS_CD24HI_TCONV_THYMUS_UP
                                                                                                    GSE17721_12H_VS_24H_POLYIC_BMDC_DN, GSE17721_12H_VS_24H_POLYIC_BMDC_DN
                                                                                                    GSE42021_CD24HI_VS_CD24INT_TREG_THYMUS_DN, GSE42021_CD24HI_VS_CD24INT_TREG_THYMUS_DN
                                                                                                    GSE22033_UNTREATED_VS_MRL24_TREATED_MEF_DN, GSE22033_UNTREATED_VS_MRL24_TREATED_MEF_DN
                                                                                                    GSE13485_DAY3_VS_DAY7_YF17D_VACCINE_PBMC_DN, GSE13485_DAY3_VS_DAY7_YF17D_VACCINE_PBMC_DN
                                                                                                    GSE35685_CD34POS_CD38NEG_VS_CD34POS_CD10POS_BONE_MARROW_DN, GSE35685_CD34POS_CD38NEG_VS_CD34POS_CD10POS_BONE_MARROW_DN
                                                                                                   GSE41867_NAIVE_VS_DAY30_LCMV_CLONE13_EXHAUSTED_CD8_TCELL_UP, GSE41867_NAIVE_VS_DAY30_LCMV_CLONE13_EXHAUSTED_CD8_TCELL_UP
                                                                                                    GSE7852_LN_VS_FAT_TCONV_UP, GSE7852_LN_VS_FAT_TCONV_UP
                                                                                                    GSE14000_UNSTIM_VS_16H_LPS_DC_TRANSLATED_RNA_DN, GSE14000_UNSTIM_VS_16H_LPS_DC_TRANSLATED_RNA_DN
                                                                                                    GSE42021_CD24HI_VS_CD24LOW_TCONV_THYMUS_DN, GSE42021_CD24HI_VS_CD24LOW_TCONV_THYMUS_DN
                                                                                                    GSE5589_LPS_AND_IL10_VS_LPS_AND_IL6_STIM_IL6_KO_MACROPHAGE_45MIN_UP, GSE5589_LPS_AND_IL10_VS_LPS_AND_IL6_STIM_IL6_KO_MACROPHAGE_45MIN_UP
                                                                                                    GSE19198_1H_VS_6H_IL21_TREATED_TCELL_DN, GSE19198_1H_VS_6H_IL21_TREATED_TCELL_DN
                                                                                                    GSE7348_UNSTIM_VS_LPS_STIM_MACROPHAGE_DN, GSE7348_UNSTIM_VS_LPS_STIM_MACROPHAGE_DN
                                                                                                    GSE7831 CPG VS INFLUENZA STIM PDC 4H UP, GSE7831 CPG VS INFLUENZA STIM PDC 4H UP
                                                                                                    GSE31082_DP_VS_CD8_SP_THYMOCYTE_DN, GSE31082_DP_VS_CD8_SP_THYMOCYTE_DN
                                                                                                    GSE7852_THYMUS_VS_FAT_TCONV_UP, GSE7852_THYMUS_VS_FAT_TCONV_UP
                                                                                                    GSE9037_CTRL_VS_LPS_1H_STIM_IRAK4_KO_BMDM_DN, GSE9037_CTRL_VS_LPS_1H_STIM_IRAK4_KO_BMDM_DN
                                                                                                    GSE13484_3H_UNSTIM_VS_YF17D_VACCINE_STIM_PBMC_DN, GSE13484_3H_UNSTIM_VS_YF17D_VACCINE_STIM_PBMC_DN
                                                                                                    GSE21546_ELK1_KO_VS_SAP1A_KO_AND_ELK1_KO_DP_THYMOCYTES_UP, GSE21546_ELK1_KO_VS_SAP1A_KO_AND_ELK1_KO_DP_THYMOCYTES_UP
                                                                                                    GSE3982_BASOPHIL_VS_TH1_DN, GSE3982_BASOPHIL_VS_TH1_DN
                                                                                                    GSE6269_HEALTHY_VS_FLU_INF_PBMC_DN, GSE6269_HEALTHY_VS_FLU_INF_PBMC_DN
                                                                                                    GSE42724_NAIVE_BCELL_VS_PLASMABLAST_UP, GSE42724_NAIVE_BCELL_VS_PLASMABLAST_UP
                                                                                                    GSE15750_WT_VS_TRAF6KO_DAY10_EFF_CD8_TCELL_UP, GSE15750_WT_VS_TRAF6KO_DAY10_EFF_CD8_TCELL_UP
                                                                                                    GSE35825_UNTREATED_VS_IFNA_STIM_MACROPHAGE_DN, GSE35825_UNTREATED_VS_IFNA_STIM_MACROPHAGE_DN
                                                                                                    GSE37533_PPARG1_FOXP3_VS_FOXP3_TRANSDUCED_CD4_TCELL_PIOGLITAZONE_TREATED_DN, GSE37533_PPARG1_FOXP3_VS_FOXP3_TRANSDUCED_CD4_TCELL_PIOGLITAZONE_TREATED_DN
                                                                                                    GSE11864_UNTREATED_VS_CSF1_IFNG_IN_MAC_DN, GSE11864_UNTREATED_VS_CSF1_IFNG_IN_MAC_DN
                                                                                                    GSE14308_INDUCED_VS_NATURAL_TREG_UP, GSE14308_INDUCED_VS_NATURAL_TREG_UP
                                                                                                    GSE6259_DEC205_POS_DC_VS_BCELL_DN, GSE6259_DEC205_POS_DC_VS_BCELL_DN
                                                                                                    GSE17721_CTRL_VS_GARDIQUIMOD_2H_BMDC_UP, GSE17721_CTRL_VS_GARDIQUIMOD_2H_BMDC_UP
                                                                                                    GSE3982_MAST_CELL_VS_CENT_MEMORY_CD4_TCELL_UP, GSE3982_MAST_CELL_VS_CENT_MEMORY_CD4_TCELL_UP
                                                                                                    GSE34006_A2AR_KO_VS_A2AR_AGONIST_TREATED_TREG_UP, GSE34006_A2AR_KO_VS_A2AR_AGONIST_TREATED_TREG_UP
                                                                                                    GSE1432_1H_VS_24H_IFNG_MICROGLIA_DN, GSE1432_1H_VS_24H_IFNG_MICROGLIA_DN
                                                                                                  GSE17721_CTRL_VS_PAM3CSK4_12H_BMDC_DN, GSE17721_CTRL_VS_PAM3CSK4_12H_BMDC_DN
C57BL6_MONOCYTE_TUMOR_UP, GSE21927_BALBC_VS_C57BL6_MONOCYTE_TUMOR_UP
                                                                                                   GSE13485_PRE_VS_POST_YF17D_VACCINATION_PBMC_DN, GSE13485_PRE_VS_POST_YF17D_VACCINATION_PBMC_DN
                                                                                                    GSE42021_TREG_PLN_VS_CD24INT_TREG_THYMUS_DN, GSE42021_TREG_PLN_VS_CD24INT_TREG_THYMUS_DN
                                                                                                    GSE21063_WT_VS_NFATC1_KO_3H_ANTI_IGM_STIM_BCELL_DN, GSE21063_WT_VS_NFATC1_KO_3H_ANTI_IGM_STIM_BCELL_DN
                                                                                                    GSE21927_SPLEEN_VS_4T1_TUMOR_MONOCYTE_BALBC_DN, GSE21927_SPLEEN_VS_4T1_TUMOR_MONOCYTE_BALBC_DN
                                                                                                    GSE33424_CD161_INT_VS_NEG_CD8_TCELL_UP, GSE33424_CD161_INT_VS_NEG_CD8_TCELL_UP
                                                                                                    GSE11864_CSF1_VS_CSF1_IFNG_PAM3CYS_IN_MAC_DN, GSE11864_CSF1_VS_CSF1_IFNG_PAM3CYS_IN_MAC_DN
                                                                                                    GSE34156_UNTREATED_VS_6H_NOD2_LIGAND_TREATED_MONOCYTE_DN, GSE34156_UNTREATED_VS_6H_NOD2_LIGAND_TREATED_MONOCYTE_DN
                                                                                                    GSE26559_TCF1_KO_VS_WT_LIN_NEG_CELL_UP, GSE26559_TCF1_KO_VS_WT_LIN_NEG_CELL_UP
                                                                                                    GSE27786_CD4_TCELL_VS_NKTCELL_DN, GSE27786_CD4_TCELL_VS_NKTCELL_DN
                                                                                                    GSE1432_6H_VS_24H_IFNG_MICROGLIA_UP, GSE1432_6H_VS_24H_IFNG_MICROGLIA_UP
                                                                                                    GSE13484_UNSTIM_VS_12H_YF17D_VACCINE_STIM_PBMC_DN, GSE13484_UNSTIM_VS_12H_YF17D_VACCINE_STIM_PBMC_DN
                                                                                                    GSE19888_ADENOSINE_A3R_INH_VS_TCELL_MEMBRANES_ACT_MAST_CELL_UP, GSE19888_ADENOSINE_A3R_INH_VS_TCELL_MEMBRANES_ACT_MAST_CELL_UP
                                                                                                    GSE3337_CTRL_VS_4H_IFNG_IN_CD8POS_DC_DN, GSE3337_CTRL_VS_4H_IFNG_IN_CD8POS_DC_DN
                                                                                                    GSE41867_LCMV_ARMSTRONG_VS_CLONE13_DAY15_EFFECTOR_CD8_TCELL_UP, GSE41867_LCMV_ARMSTRONG_VS_CLONE13_DAY15_EFFECTOR_CD8_TCELL_UP
                                                                                                    GSE41867_DAY6_VS_DAY8_LCMV_CLONE13_EFFECTOR_CD8_TCELL_UP, GSE41867_DAY6_VS_DAY8_LCMV_CLONE13_EFFECTOR_CD8_TCELL_UP
                                                                                                    GSE17721_PAM3CSK4_VS_CPG_12H_BMDC_DN, GSE17721_PAM3CSK4_VS_CPG_12H_BMDC_DN
                                                                                                    GSE17721_CTRL_VS_CPG_12H_BMDC_DN, GSE17721_CTRL_VS_CPG_12H_BMDC_DN
                                                                                                    GSE36476_YOUNG_VS_OLD_DONOR_MEMORY_CD4_TCELL_16H_TSST_ACT_UP, GSE36476_YOUNG_VS_OLD_DONOR_MEMORY_CD4_TCELL_16H_TSST_ACT_UP
                                                                                                    GSE42021_TREG_PLN_VS_TREG_PRECURSORS_THYMUS_DN, GSE42021_TREG_PLN_VS_TREG_PRECURSORS_THYMUS_DN
                                                                                                    GSE24972_MARGINAL_ZONE_BCELL_VS_FOLLICULAR_BCELL_DN, GSE24972_MARGINAL_ZONE_BCELL_VS_FOLLICULAR_BCELL_DN
                                                                                                    GSE10325_CD4_TCELL_VS_LUPUS_CD4_TCELL_DN, GSE10325_CD4_TCELL_VS_LUPUS_CD4_TCELL_DN
                                                                                                    GSE22196_HEALTHY_VS_OBESE_MOUSE_SKIN_GAMMADELTA_TCELL_UP, GSE22196_HEALTHY_VS_OBESE_MOUSE_SKIN_GAMMADELTA_TCELL_UP
                                                                                                    GSE28726 NAIVE VS ACTIVATED VA24NEG NKTCELL DN, GSE28726 NAIVE VS ACTIVATED VA24NEG NKTCELL DN
                                                                                                    GSE22140 GERMFREE VS SPF_ARTHRITIC MOUSE CD4_TCELL_DN, GSE22140 GERMFREE VS SPF_ARTHRITIC MOUSE CD4_TCELL_DN
                                                                                                    GSE37301_MULTIPOTENT_PROGENITOR_VS_GRAN_MONO_PROGENITOR_UP, GSE37301_MULTIPOTENT_PROGENITOR_VS_GRAN_MONO_PROGENITOR_UP
                                                                                                    GSE11924_TH1_VS_TH2_CD4_TCELL_DN, GSE11924_TH1_VS_TH2_CD4_TCELL_DN
                                                                                                    GSE17974_CTRL_VS_ACT_IL4_AND_ANTI_IL12_2H_CD4_TCELL_UP, GSE17974_CTRL_VS_ACT_IL4_AND_ANTI_IL12_2H_CD4_TCELL_UP
                                                                                                    GSE3400_UNTREATED_VS_IFNB_TREATED_MEF_DN, GSE3400_UNTREATED_VS_IFNB_TREATED_MEF_DN
                                                                                                    GSE36527_CD62L_HIGH_VS_CD62L_LOW_TREG_CD69_NEG_KLRG1_NEG_UP, GSE36527_CD62L_HIGH_VS_CD62L_LOW_TREG_CD69_NEG_KLRG1_NEG_UP
                                                                                                    GSE20727_CTRL_VS_H2O2_TREATED_DC_UP, GSE20727_CTRL_VS_H2O2_TREATED_DC_UP
                                                                                                    GSE41867_NAIVE_VS_DAY8_LCMV_EFFECTOR_CD8_TCELL_DN, GSE41867_NAIVE_VS_DAY8_LCMV_EFFECTOR_CD8_TCELL_DN
                                                                                                    GSE360_L_MAJOR_VS_M_TUBERCULOSIS_DC_DN, GSE360_L_MAJOR_VS_M_TUBERCULOSIS_DC_DN
                                                                                                    GSE5542_UNTREATED_VS_IFNA_AND_IFNG_TREATED_EPITHELIAL_CELLS_24H_DN, GSE5542_UNTREATED_VS_IFNA_AND_IFNG_TREATED_EPITHELIAL_CELLS_24H_DN
                                                                                                   GSE10240 CTRL VS IL17 AND IL22 STIM PRIMARY BRONCHIAL EPITHELIAL CELLS UP, GSE10240 CTRL VS IL17 AND IL22 STIM PRIMARY BRONCHIAL EPITHELIAL CELLS UP
                                                                                                   GSE1925_CTRL_VS_24H_IFNG_STIM_IFNG_PRIMED_MACROPHAGE_UP, GSE1925_CTRL_VS_24H_IFNG_STIM_IFNG_PRIMED_MACROPHAGE_UP
                                                                                                    GSE20715_WT_VS_TLR4_KO_24H_OZONE_LUNG_DN, GSE20715_WT_VS_TLR4_KO_24H_OZONE_LUNG_DN
                                                                                                   GSE34205_RSV_VS_FLU_INF_INFANT_PBMC_DN, GSE34205_RSV_VS_FLU_INF_INFANT_PBMC_DN
                                                                                                    GSE17721_LPS_VS_CPG_2H_BMDC_UP, GSE17721_LPS_VS_CPG_2H_BMDC_UP
                                                                                                    GSE27786_LSK_VS_CD4_TCELL_UP, GSE27786_LSK_VS_CD4_TCELL_UP
                                                                                                   GSE360_CTRL_VS_L_MAJOR_DC_DN, GSE360_CTRL_VS_L_MAJOR_DC_DN
                                                                                                    GSE11961 MEMORY BCELL DAY7 VS GERMINAL CENTER BCELL DAY7 DN, GSE11961 MEMORY BCELL DAY7 VS GERMINAL CENTER BCELL DAY7 DN
                                                                                                    GSE36078_WT_VS_IL1R_KO_LUNG_DC_DN, GSE36078_WT_VS_IL1R_KO_LUNG_DC_DN
                                                                                                    GSE36826_WT_VS_IL1R_KO_SKIN_UP, GSE36826_WT_VS_IL1R_KO_SKIN_UP
                                                                                                    GSE8621_UNSTIM_VS_LPS_PRIMED_AND_LPS_STIM_MACROPHAGE_DN, GSE8621_UNSTIM_VS_LPS_PRIMED_AND_LPS_STIM_MACROPHAGE_DN
                                                                                                   GSE1791_CTRL_VS_NEUROMEDINU_IN_T_CELL_LINE_3H_DN, GSE1791_CTRL_VS_NEUROMEDINU_IN_T_CELL_LINE_3H_DN
                                                                                                    GSE41978_ID2_KO_VS_BIM_KO_KLRG1_LOW_EFFECTOR_CD8_TCELL_UP, GSE41978_ID2_KO_VS_BIM_KO_KLRG1_LOW_EFFECTOR_CD8_TCELL_UP
                                                                                                    GSE11057_NAIVE_VS_EFF_MEMORY_CD4_TCELL_UP, GSE11057_NAIVE_VS_EFF_MEMORY_CD4_TCELL_UP
                                                                                                    GSE10856_CTRL_VS_TNFRSF6B_IN_MACROPHAGE_DN, GSE10856_CTRL_VS_TNFRSF6B_IN_MACROPHAGE_DN
                                                                                                    GSE7509_UNSTIM_VS_FCGRIIB_STIM_DC_DN, GSE7509_UNSTIM_VS_FCGRIIB_STIM_DC_DN
                                                                                                    GSE7460_WT_VS_FOXP3_HET_ACT_WITH_TGFB_TCONV_DN, GSE7460_WT_VS_FOXP3_HET_ACT_WITH_TGFB_TCONV_DN
                                                                                                    GSE18281_CORTICAL_VS_MEDULLARY_THYMOCYTE_DN, GSE18281_CORTICAL_VS_MEDULLARY_THYMOCYTE_DN
                                                                                                    GSE4984_GALECTIN1_VS_VEHICLE_CTRL_TREATED_DC_UP, GSE4984_GALECTIN1_VS_VEHICLE_CTRL_TREATED_DC_UP
                                                                                                    GSE13485 CTRL VS DAY3 YF17D VACCINE PBMC DN, GSE13485 CTRL VS DAY3 YF17D VACCINE PBMC DN
                                                                                                    GSE34156_NOD2_LIGAND_VS_TLR1_TLR2_LIGAND_6H_TREATED_MONOCYTE_UP, GSE34156_NOD2_LIGAND_VS_TLR1_TLR2_LIGAND_6H_TREATED_MONOCYTE_UP
                                                                                                    GSE37532_VISCERAL_ADIPOSE_TISSUE_VS_LN_DERIVED_TREG_CD4_TCELL_UP, GSE37532_VISCERAL_ADIPOSE_TISSUE_VS_LN_DERIVED_TREG_CD4_TCELL_UP
                                                                                                    GSE17721_PAM3CSK4_VS_GADIQUIMOD_24H_BMDC_DN, GSE17721_PAM3CSK4_VS_GADIQUIMOD_24H_BMDC_DN
                                                                                                    GSE40666_WT_VS_STAT1_KO_CD8_TCELL_WITH_IFNA_STIM_90MIN_UP, GSE40666_WT_VS_STAT1_KO_CD8_TCELL_WITH_IFNA_STIM_90MIN_UP
                                                                                                    GSE17721_CTRL_VS_GARDIQUIMOD_1H_BMDC_DN, GSE17721_CTRL_VS_GARDIQUIMOD_1H_BMDC_DN
                                                                                                    GSE2770 TGFB AND IL4 ACT VS ACT CD4 TCELL 2H DN, GSE2770 TGFB AND IL4 ACT VS ACT CD4 TCELL 2H DN
                                                                                                    GSE360_T_GONDII_VS_B_MALAYI_LOW_DOSE_DC_UP, GSE360_T_GONDII_VS_B_MALAYI_LOW_DOSE_DC_UP
                                                                                                    GSE1432_CTRL_VS_IFNG_24H_MICROGLIA_DN, GSE1432_CTRL_VS_IFNG_24H_MICROGLIA_DN
                                                                                                    GSE5679_CTRL_VS_PPARG_LIGAND_ROSIGLITAZONE_AND_RARA_AGONIST_AM580_TREATED_DC_UP, GSE5679_CTRL_VS_PPARG_LIGAND_ROSIGLITAZONE_AND_RARA_AGONIST_AM580_TREATED
                                                                                                    GSE41176_WT_VS_TAK1_KO_ANTI_IGM_STIM_BCELL_3H_UP, GSE41176_WT_VS_TAK1_KO_ANTI_IGM_STIM_BCELL_3H_UP
                                                                                                    GSE42021_CD24INT_VS_CD24LOW_TREG_THYMUS_DN, GSE42021_CD24INT_VS_CD24LOW_TREG_THYMUS_DN
                                                                                                    GSE26030_UNSTIM_VS_RESTIM_TH17_DAY5_POST_POLARIZATION_DN, GSE26030_UNSTIM_VS_RESTIM_TH17_DAY5_POST_POLARIZATION_DN
                                                                                                    GSE19888_ADENOSINE_A3R_ACT_VS_A3R_ACT_WITH_A3R_INH_PRETREATMENT_IN_MAST_CELL_DN, GSE19888_ADENOSINE_A3R_ACT_VS_A3R_ACT_WITH_A3R_INH_PRETREATMENT_IN_MAST_CELL_DN, GSE19888_ADENOSINE_A3R_ACT_VS_A3R_ACT_WITH_A3R_INH_PRETREATMENT_IN_MAST_CELL_DN, GSE19888_ADENOSINE_A3R_ACT_VS_A3R_ACT_WITH_A3R_INH_PRETREATMENT_IN_MAST_CELL_DN, GSE19888_ADENOSINE_A3R_ACT_VS_A3R_ACT_WITH_A3R_INH_PRETREATMENT_IN_MAST_CELL_DN, GSE19888_ADENOSINE_A3R_ACT_VS_A3R_ACT_WITH_A3R_INH_PRETREATMENT_IN_MAST_CELL_DN, GSE19888_ADENOSINE_A3R_ACT_VS_A3R_ACT_WITH_A3R_INH_PRETREATMENT_IN_MAST_CELL_DN, GSE19888_ADENOSINE_A3R_ACT_VS_A3R_ACT_WITH_A3R_INH_PRETREATMENT_IN_MAST_CELL_DN, GSE19888_ADENOSINE_A3R_ACT_VS_A3R_ACT_WITH_A3R_INH_PRETREATMENT_IN_MAST_CELL_DN, GSE19888_ADENOSINE_A3R_ACT_WITH_A3R_INH_PRETREATMENT_IN_MAST_CELL_DN, GSE1988A_ADENOSINE_A3R_ACT_WITH_A3R_INH_PRETREATMENT_IN_MAST_CELL_DN, GSE1988A_ADENOSINE_A3R_ACT_WITH_A3R_INH_PRETREATMENT_IN_MAST_CELL_DN, GSE1988A_ADENOSINE_A3R_ACT_WITH_A3R_INH_PRETREATMENT_IN_MAST_CELL_DN, GSE1988A_ADENOSINE_A3R_ACT_WITH_A3R_INH_PRETREATMENT_IN_MAST_CELL_DN, GSE198A_INH_PRETREATMENT_IN_MAST_CELL_DN, GSE198A_INH_PRETREATMENT_INH_PRETREATMENT_INH_PRETREATMENT_INH_PRETREATMENT_INH_PRETREATMENT_INH_PRETREATMENT_INH_PRETREATMENT_INH_PRETREATMENT_INH_PRETREATMENT_INH_PRETREATMENT_INH_PRETREATMENT_INH_PRETREATMENT_INH_PRETREATM
                                                                                                    GSE25677_MPL_VS_R848_STIM_BCELL_UP, GSE25677_MPL_VS_R848_STIM_BCELL_UP
                                                                                                    GSE28783_ANTI_MIR33_VS_UNTREATED_ATHEROSCLEROSIS_MACROPHAGE_DN, GSE28783_ANTI_MIR33_VS_UNTREATED_ATHEROSCLEROSIS_MACROPHAGE_DN
                                                                                                   GSE9509_10MIN_VS_30MIN_LPS_AND_IL10_STIM_IL10_KO_MACROPHAGE_DN, GSE9509_10MIN_VS_30MIN_LPS_AND_IL10_STIM_IL10_KO_MACROPHAGE_DN
                                                                                                    GSE17974 IL4 AND ANTI IL12 VS UNTREATED 2H ACT CD4 TCELL DN, GSE17974 IL4 AND ANTI IL12 VS UNTREATED 2H ACT CD4 TCELL DN
                                                                                                    GSE21063_3H_VS_16H_ANTI_IGM_STIM_NFATC1_KOBCELL_UP, GSE21063_3H_VS_16H_ANTI_IGM_STIM_NFATC1_KOBCELL_UP
                                                                                                   GSE22886_IGA_VS_IGM_MEMORY_BCELL_UP, GSE22886_IGA_VS_IGM_MEMORY_BCELL_UP
                                                                                                    GSE10273_LOW_IL7_VS_HIGH_IL7_AND_IRF4_IN_IRF4_8_NULL_PRE_BCELL_UP, GSE10273_LOW_IL7_VS_HIGH_IL7_AND_IRF4_8_NULL_PRE_BCELL_UP
                                                                                                   GSE19401_UNSTIM_VS_PAM2CSK4_STIM_FOLLICULAR_DC_UP, GSE19401_UNSTIM_VS_PAM2CSK4_STIM_FOLLICULAR_DC_UP
                                                                                                   GSE8685_IL2_STARVED_VS_IL21_ACT_IL2_STARVED_CD4_TCELL_DN, GSE8685_IL2_STARVED_VS_IL21_ACT_IL2_STARVED_CD4_TCELL_DN
                                                                                                    GSE18281 PERIMEDULLARY CORTICAL REGION VS WHOLE MEDULLA THYMUS UP, GSE18281 PERIMEDULLARY CORTICAL REGION VS WHOLE MEDULLA THYMUS UP
                                                                                                   GSE13411_IGM_VS_SWITCHED_MEMORY_BCELL_UP, GSE13411_IGM_VS_SWITCHED_MEMORY_BCELL_UP
                                                                                                   GSE20366_TREG_VS_TCONV_DN, GSE20366_TREG_VS_TCONV_DN
                                                                                                    GSE43955_TH0_VS_TGFB_IL6_TH17_ACT_CD4_TCELL_4H_DN, GSE43955_TH0_VS_TGFB_IL6_TH17_ACT_CD4_TCELL_4H_DN
                                                                                                    GSE45365_HEALTHY_VS_MCMV_INFECTION_CD11B_DC_DN, GSE45365_HEALTHY_VS_MCMV_INFECTION_CD11B_DC_DN
                                                                                                   GSE3982 NKCELL VS TH1 UP, GSE3982 NKCELL VS TH1 UP
                                                                                                    GSE30971_2H_VS_4H_LPS_STIM_MACROPHAGE_WBP7_KO_UP, GSE30971_2H_VS_4H_LPS_STIM_MACROPHAGE_WBP7_KO_UP
                                                                                                    GSE12003_4D_VS_8D_CULTURE_MIR223_KO_BM_PROGENITOR_DN, GSE12003_4D_VS_8D_CULTURE_MIR223_KO_BM_PROGENITOR_DN
                                                                                                   GSE42021_TREG_PLN_VS_CD24LO_TREG_THYMUS_DN, GSE42021_TREG_PLN_VS_CD24LO_TREG_THYMUS_DN
                                                                                                    GSE21927_BALBC_VS_C57BL6_MONOCYTE_TUMOR_DN, GSE21927_BALBC_VS_C57BL6_MONOCYTE_TUMOR_DN
                                                                                                    GSE22045_TREG_VS_TCONV_UP, GSE22045_TREG_VS_TCONV_UP
                                                                                                   GSE21927_SPLENIC_C26GM_TUMOROUS_VS_4T1_TUMOR_MONOCYTES_UP, GSE21927_SPLENIC_C26GM_TUMOROUS_VS_4T1_TUMOR_MONOCYTES_UP
                                                                                                   GSE17721_POLYIC_VS_PAM3CSK4_2H_BMDC_DN, GSE17721_POLYIC_VS_PAM3CSK4_2H_BMDC_DN
                                                                                                   GSE360 L MAJOR VS T GONDII DC DN, GSE360 L MAJOR VS T GONDII DC DN
                                                                                                   GSE28783 CTRL ANTI MIR VS UNTREATED ATHEROSCLEROSIS MACROPHAGE UP, GSE28783 CTRL ANTI MIR VS UNTREATED ATHEROSCLEROSIS MACROPHAGE 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
                                                                                                   GSE22432_MULTIPOTENT_PROGENITOR_VS_PDC_UP, GSE22432_MULTIPOTENT_PROGENITOR_VS_PDC_UP
                                                                                                   GSE28130_ACTIVATED_VS_INDUCEED_TREG_UP, GSE28130_ACTIVATED_VS_INDUCEED_TREG_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
                                                                                                    GSE5589_IL6_KO_VS_IL10_KO_LPS_STIM_MACROPHAGE_180MIN_DN, GSE5589_IL6_KO_VS_IL10_KO_LPS_STIM_MACROPHAGE_180MIN_DN
                                                                                                   GSE360 L MAJOR VS M TUBERCULOSIS MAC DN, GSE360 L MAJOR VS M TUBERCULOSIS MAC DN
                                                                                                   GSE36078_UNTREATED_VS_AD5_T425A_HEXON_INF_MOUSE_LUNG_DC_DN, GSE36078_UNTREATED_VS_AD5_T425A_HEXON_INF_MOUSE_LUNG_DC_DN
                                                                                                   GSE12392_WT_VS_IFNB_KO_CD8A_POS_SPLEEN_DC_DN, GSE12392_WT_VS_IFNB_KO_CD8A_POS_SPLEEN_DC_DN
                                                                                                   GSE12198_LOW_IL2_STIM_NK_CELL_VS_HIGH_IL2_STIM_NK_CELL_DN, GSE12198_LOW_IL2_STIM_NK_CELL_VS_HIGH_IL2_STIM_NK_CELL_DN
                                                                                                    GSE27786_BCELL_VS_NKCELL_DN, GSE27786_BCELL_VS_NKCELL_DN
                                                                                                    GSE3203_HEALTHY_VS_INFLUENZA_INFECTED_LN_BCELL_UP, GSE3203_HEALTHY_VS_INFLUENZA_INFECTED_LN_BCELL_UP
                                                                                                   GSE15930_NAIVE_VS_72H_IN_VITRO_STIM_IL12_CD8_TCELL_UP, GSE15930_NAIVE_VS_72H_IN_VITRO_STIM_IL12_CD8_TCELL_UP
                                                                                                   GSE7852_TREG_VS_TCONV_LN_DN, GSE7852_TREG_VS_TCONV_LN_DN
                                                                                                    GSE17974_0H_VS_4H_IN_VITRO_ACT_CD4_TCELL_UP, GSE17974_0H_VS_4H_IN_VITRO_ACT_CD4_TCELL_UP
                                                                                                   GSE11924_TH1_VS_TH17_CD4_TCELL_UP, GSE11924_TH1_VS_TH17_CD4_TCELL_UP
                                                                                                    GSE3982_MAC_VS_NEUTROPHIL_DN, GSE3982_MAC_VS_NEUTROPHIL_DN
                                                                                                    GSE44955_MCSF_VS_MCSF_AND_IL27_STIM_MACROPHAGE_DN, GSE44955_MCSF_VS_MCSF_AND_IL27_STIM_MACROPHAGE_DN
                                                                                                    GSE360_CTRL_VS_B_MALAYI_LOW_DOSE_DC_DN, GSE360_CTRL_VS_B_MALAYI_LOW_DOSE_DC_DN
                                                                                                    GSE360_LOW_DOSE_B_MALAYI_VS_M_TUBERCULOSIS_MAC_DN, GSE360_LOW_DOSE_B_MALAYI_VS_M_TUBERCULOSIS_MAC_DN
                                                                                                    GSE13306_TREG_VS_TCONV_SPLEEN_DN, GSE13306_TREG_VS_TCONV_SPLEEN_DN
                                                                                                    GSE28737_WT_VS_BCL6_KO_FOLLICULAR_BCELL_UP, GSE28737_WT_VS_BCL6_KO_FOLLICULAR_BCELL_UP
                                                                                                    GSE1740_UNSTIM_VS_IFNA_STIMULATED_MCSF_DERIVED_MACROPHAGE_DN, GSE1740_UNSTIM_VS_IFNA_STIMULATED_MCSF_DERIVED_MACROPHAGE_DN
                                                                                                    GSE37301_LYMPHOID_PRIMED_MPP_VS_COMMON_LYMPHOID_PROGENITOR_DN, GSE37301_LYMPHOID_PRIMED_MPP_VS_COMMON_LYMPHOID_PROGENITOR_DN
                                                                                                   GSE29164_DAY3_VS_DAY7_CD8_TCELL_TREATED_MELANOMA_UP, GSE29164_DAY3_VS_DAY7_CD8_TCELL_TREATED_MELANOMA_UP
                                                                                                    GSE21670_UNTREATED_VS_TGFB_TREATED_STAT3_KO_CD4_TCELL_UP, GSE21670_UNTREATED_VS_TGFB_TREATED_STAT3_KO_CD4_TCELL_UP
                                                                                                    GSE32423_CTRL_VS_IL4_MEMORY_CD8_TCELL_DN, GSE32423_CTRL_VS_IL4_MEMORY_CD8_TCELL_DN
                                                                                                    GSE37301_MULTIPOTENT_PROGENITOR_VS_GRAN_MONO_PROGENITOR_DN, GSE37301_MULTIPOTENT_PROGENITOR_VS_GRAN_MONO_PROGENITOR_DN
                                                                                                   GSE5099_UNSTIM_VS_MCSF_TREATED_MONOCYTE_DAY3_UP, GSE5099_UNSTIM_VS_MCSF_TREATED_MONOCYTE_DAY3_UP
                                                                                                    GSE25123_WT_VS_PPARG_KO_MACROPHAGE_ROSIGLITAZONE_STIM_UP, GSE25123_WT_VS_PPARG_KO_MACROPHAGE_ROSIGLITAZONE_STIM_UP
                                                                                                   GSE29618_PRE_VS_DAY7_POST_LAIV_FLU_VACCINE_BCELL_DN, GSE29618_PRE_VS_DAY7_POST_LAIV_FLU_VACCINE_BCELL_DN
                                                                                                    GSE24081_CONTROLLER_VS_PROGRESSOR_HIV_SPECIFIC_CD8_TCELL_UP, GSE24081_CONTROLLER_VS_PROGRESSOR_HIV_SPECIFIC_CD8_TCELL_UP
                                                                                                    GSE3982_MAST_CELL_VS_BCELL_DN, GSE3982_MAST_CELL_VS_BCELL_DN
                                                                                                    GSE41176_UNSTIM_VS_ANTI_IGM_STIM_TAK1_KO_BCELL_3H_UP, GSE41176_UNSTIM_VS_ANTI_IGM_STIM_TAK1_KO_BCELL_3H_UP
                                                                                                   GSE14308_TH17_VS_NATURAL_TREG_DN, GSE14308_TH17_VS_NATURAL_TREG_DN
                                                                                                    GSE32901_TH17_EMRICHED_VS_TH17_NEG_CD4_TCELL_UP, GSE32901_TH17_EMRICHED_VS_TH17_NEG_CD4_TCELL_UP
                                                                                                    GSE23308_CTRL_VS_CORTICOSTERONE_TREATED_MACROPHAGE_UP, GSE23308_CTRL_VS_CORTICOSTERONE_TREATED_MACROPHAGE_UP
                                                                                                    GSE11961_GERMINAL_CENTER_BCELL_DAY7_VS_PLASMA_CELL_DAY7_UP, GSE11961_GERMINAL_CENTER_BCELL_DAY7_VS_PLASMA_CELL_DAY7_UP
                                                                                                    GSE18281_CORTEX_VS_MEDULLA_THYMUS_UP, GSE18281_CORTEX_VS_MEDULLA_THYMUS_UP
                                                                                                    GSE2770_IL12_AND_TGFB_ACT_VS_ACT_CD4_TCELL_6H_UP, GSE2770_IL12_AND_TGFB_ACT_VS_ACT_CD4_TCELL_6H_UP
                                                                                                    GSE17721_POLYIC_VS_CPG_2H_BMDC_DN, GSE17721_POLYIC_VS_CPG_2H_BMDC_DN
                                                                                                    GSE8621_LPS_STIM_VS_LPS_PRIMED_AND_LPS_STIM_MACROPHAGE_UP, GSE8621_LPS_STIM_VS_LPS_PRIMED_AND_LPS_STIM_MACROPHAGE_UP
                                                                                                    GSE4590_PRE_BCELL_VS_SMALL_PRE_BCELL_UP, GSE4590_PRE_BCELL_VS_SMALL_PRE_BCELL_UP
                                                                                                   GSE43955_1H_VS_42H_ACT_CD4_TCELL_DN, GSE43955_1H_VS_42H_ACT_CD4_TCELL_DN
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GSE1791_CTRL_VS_NEUROMEDINU_IN_T_CELL_LINE_3H_UP, GSE1791_CTRL_VS_NEUROMEDINU_IN_T_CELL_LINE_3H_UP