```
GSE29618 MONOCYTE VS MDC UP, GSE29618 MONOCYTE VS MDC UP
                                                                                                 GSE29618_MONOCYTE_VS_PDC_UP, GSE29618_MONOCYTE_VS_PDC_UP
                                                                                                 GSE22886_NAIVE_CD8_TCELL_VS_MONOCYTE_DN, GSE22886_NAIVE_CD8_TCELL_VS_MONOCYTE_DN
                                                                                                 GSE42088_2H_VS_24H_LEISHMANIA_INF_DC_UP, GSE42088_2H_VS_24H_LEISHMANIA_INF_DC_UP
                                                                                                 GSE22886_DAY0_VS_DAY7_MONOCYTE_IN_CULTURE_UP, GSE22886_DAY0_VS_DAY7_MONOCYTE_IN_CULTURE_UP
                                                                                                 GSE29618_BCELL_VS_MDC_DAY7_FLU_VACCINE_DN, GSE29618_BCELL_VS_MDC_DAY7_FLU_VACCINE_DN
                                                                                                 GSE37416_0H_VS_3H_F_TULARENSIS_LVS_NEUTROPHIL_UP, GSE37416_0H_VS_3H_F_TULARENSIS_LVS_NEUTROPHIL_UP
                                                                                                 GSE29618_PDC_VS_MDC_DN, GSE29618_PDC_VS_MDC_DN
                                                                                                 GSE29618_PDC_VS_MDC_DAY7_FLU_VACCINE_DN, GSE29618_PDC_VS_MDC_DAY7_FLU_VACCINE_DN
                                                                                                 GSE21360_PRIMARY_VS_QUATERNARY_MEMORY_CD8_TCELL_DN, GSE21360_PRIMARY_VS_QUATERNARY_MEMORY_CD8_TCELL_DN
                                                                                                 GSE29618_BCELL_VS_MONOCYTE_DN, GSE29618_BCELL_VS_MONOCYTE_DN
                                                                                                GSE29618 MONOCYTE_VS_PDC_DAY7_FLU_VACCINE_UP, GSE29618_MONOCYTE_VS_PDC_DAY7_FLU_VACCINE_UP
                                                                                                GSE28726_ACT_CD4_TCELL_VS_ACT_NKTCELL_DN, GSE28726_ACT_CD4_TCELL_VS_ACT_NKTCELL_DN
                                                                                                GSE9960_GRAM_NEG_VS_GRAM_POS_SEPSIS_PBMC_DN, GSE9960_GRAM_NEG_VS_GRAM_POS_SEPSIS_PBMC_DN
                                                                                                GSE2770_TGFB_AND_IL4_VS_IL4_TREATED_ACT_CD4_TCELL_48H_DN, GSE2770_TGFB_AND_IL4_VS_IL4_TREATED_ACT_CD4_TCELL_48H_DN
                                                                                                GSE24574_BCL6_HIGH_TFH_VS_TFH_CD4_TCELL_DN, GSE24574_BCL6_HIGH_TFH_VS_TFH_CD4_TCELL_DN
                                                                                                GSE20727_CTRL_VS_ROS_INH_AND_DNFB_ALLERGEN_TREATED_DC_UP, GSE20727_CTRL_VS_ROS_INH_AND_DNFB_ALLERGEN_TREATED_DC_UP
                                                                                                GSE21927_SPLEEN_C57BL6_VS_EL4_TUMOR_BALBC_MONOCYTES_UP, GSE21927_SPLEEN_C57BL6_VS_EL4_TUMOR_BALBC_MONOCYTES_UP
                                                                                                GSE21670_UNTREATED_VS_TGFB_IL6_TREATED_STAT3_KO_CD4_TCELL_DN, GSE21670_UNTREATED_VS_TGFB_IL6_TREATED_STAT3_KO_CD4_TCELL_DN
                                                                                                GSE11864_CSF1_IFNG_VS_CSF1_IFNG_PAM3CYS_IN_MAC_UP, GSE11864_CSF1_IFNG_VS_CSF1_IFNG_PAM3CYS_IN_MAC_UP
                                                                                                GSE22886_DC_VS_MONOCYTE_DN, GSE22886_DC_VS_MONOCYTE_DN
                                                                                                GSE2770_TGFB_AND_IL4_ACT_VS_ACT_CD4_TCELL_48H_DN, GSE2770_TGFB_AND_IL4_ACT_VS_ACT_CD4_TCELL_48H_DN
                                                                                                GSE21670 UNTREATED VS_IL6_TREATED_STAT3_KO_CD4_TCELL_UP, GSE21670_UNTREATED_VS_IL6_TREATED_STAT3_KO_CD4_TCELL_UP
                                                                                                GSE16450 CTRL VS IFNA 6H STIM IMMATURE NEURON CELL LINE DN, GSE16450 CTRL VS IFNA 6H STIM IMMATURE NEURON CELL LINE DN
                                                                                                GSE45365_WT_VS_IFNAR_KO_CD8A_DC_UP, GSE45365_WT_VS_IFNAR_KO_CD8A_DC_UP
                                                                                                GSE10325_LUPUS_CD4_TCELL_VS_LUPUS_MYELOID_DN, GSE10325_LUPUS_CD4_TCELL_VS_LUPUS_MYELOID_DN
                                                                                                GSE29618_BCELL_VS_MONOCYTE_DAY7_FLU_VACCINE_DN, GSE29618_BCELL_VS_MONOCYTE_DAY7_FLU_VACCINE_DN
                                                                                                GSE21670_STAT3_KO_VS_WT_CD4_TCELL_TGFB_IL6_TREATED_DN, GSE21670_STAT3_KO_VS_WT_CD4_TCELL_TGFB_IL6_TREATED_DN
                                                                                                GSE37416_0H_VS_24H_F_TULARENSIS_LVS_NEUTROPHIL_UP, GSE37416_0H_VS_24H_F_TULARENSIS_LVS_NEUTROPHIL_UP
                                                                                                GSE2770_IL4_ACT_VS_ACT_CD4_TCELL_6H_UP, GSE2770_IL4_ACT_VS_ACT_CD4_TCELL_6H_UP
                                                                                                GSE42088_UNINF_VS_LEISHMANIA_INF_DC_24H_UP, GSE42088_UNINF_VS_LEISHMANIA_INF_DC_24H_UP
                                                                                                GSE22886_NAIVE_BCELL_VS_NEUTROPHIL_DN, GSE22886_NAIVE_BCELL_VS_NEUTROPHIL_DN
                                                                                                GSE16755_CTRL_VS_IFNA_TREATED_MAC_UP, GSE16755_CTRL_VS_IFNA_TREATED_MAC_UP
                                                                                                GSE22886_NAIVE_CD4_TCELL_VS_12H_ACT_TH1_UP, GSE22886_NAIVE_CD4_TCELL_VS_12H_ACT_TH1_UP
                                                                                                GSE13411_IGM_VS_SWITCHED_MEMORY_BCELL_DN, GSE13411_IGM_VS_SWITCHED_MEMORY_BCELL_DN
                                                                                                GSE37533_PPARG1_FOXP3_VS_FOXP3_TRANSDUCED_CD4_TCELL_DN, GSE37533_PPARG1_FOXP3_VS_FOXP3_TRANSDUCED_CD4_TCELL_DN
                                                                                                GSE21927_C26GM_VS_4T1_TUMOR_MONOCYTE_BALBC_DN, GSE21927_C26GM_VS_4T1_TUMOR_MONOCYTE_BALBC_DN
                                                                                                GSE30971_WBP7_HET_VS_KO_MACROPHAGE_4H_LPS_STIM_DN, GSE30971_WBP7_HET_VS_KO_MACROPHAGE_4H_LPS_STIM_DN
                                                                                                GSE28408_LY6G_POS_VS_NEG_DC_UP, GSE28408_LY6G_POS_VS_NEG_DC_UP
                                                                                                GSE28726_ACT_CD4_TCELL_VS_ACT_VA24NEG_NKTCELL_DN, GSE28726_ACT_CD4_TCELL_VS_ACT_VA24NEG_NKTCELL_DN
                                                                                                GSE41867 DAY6 EFFECTOR VS DAY30 MEMORY CD8 TCELL LCMV ARMSTRONG DN, GSE41867 DAY6 EFFECTOR VS DAY30 MEMORY CD8 TCELL LCMV ARMSTRONG DN
                                                                                                GSE2770_IL12_AND_TGFB_ACT_VS_ACT_CD4_TCELL_2H_DN, GSE2770_IL12_AND_TGFB_ACT_VS_ACT_CD4_TCELL_2H_DN
                                                                                                GSE2770_UNTREATED_VS_IL12_TREATED_ACT_CD4_TCELL_2H_UP, GSE2770_UNTREATED_VS_IL12_TREATED_ACT_CD4_TCELL_2H_UP
                                                                                                GSE37416_0H_VS_6H_F_TULARENSIS_LVS_NEUTROPHIL_UP, GSE37416_0H_VS_6H_F_TULARENSIS_LVS_NEUTROPHIL_UP
                                                                                                GSE36888 STAT5 AB KNOCKIN VS WT TCELL IL2 TREATED 17H DN, GSE36888 STAT5 AB KNOCKIN VS WT TCELL IL2 TREATED 17H DN
                                                                                                GSE15330_WT_VS_IKAROS_KO_HSC_UP, GSE15330_WT_VS_IKAROS_KO_HSC_UP
                                                                                                GSE30971_CTRL_VS_LPS_STIM_MACROPHAGE_WBP7_KO_2H_DN, GSE30971_CTRL_VS_LPS_STIM_MACROPHAGE_WBP7_KO_2H_DN
                                                                                                GSE13411 SWITCHED MEMORY BCELL VS PLASMA CELL UP, GSE13411 SWITCHED MEMORY BCELL VS PLASMA CELL UP
                                                                                                GSE30971_CTRL_VS_LPS_STIM_MACROPHAGE_WBP7_HET_4H_DN, GSE30971_CTRL_VS_LPS_STIM_MACROPHAGE_WBP7_HET_4H_DN
                                                                                                GSE2770_TGFB_AND_IL4_VS_IL12_TREATED_ACT_CD4_TCELL_48H_UP, GSE2770_TGFB_AND_IL4_VS_IL12_TREATED_ACT_CD4_TCELL_48H_UP
                                                                                                GSE10325_CD4_TCELL_VS_MYELOID_DN, GSE10325_CD4_TCELL_VS_MYELOID_DN
                                                                                                GSE22886_NAIVE_CD4_TCELL_VS_48H_ACT_TH1_UP, GSE22886_NAIVE_CD4_TCELL_VS_48H_ACT_TH1_UP
                                                                                                GSE30971_CTRL_VS_LPS_STIM_MACROPHAGE_WBP7_HET_2H_DN, GSE30971_CTRL_VS_LPS_STIM_MACROPHAGE_WBP7_HET_2H_DN
                                                                                                GSE37533_PPARG1_FOXP3_VS_FOXP3_TRANSDUCED_CD4_TCELL_PIOGLITAZONE_TREATED_UP, GSE37533_PPARG1_FOXP3_VS_FOXP3_TRANSDUCED_CD4_TCELL_PIOGLITAZONE_TREATED_UP
                                                                                                GSE5099_CLASSICAL_M1_VS_ALTERNATIVE_M2_MACROPHAGE_UP, GSE5099_CLASSICAL_M1_VS_ALTERNATIVE_M2_MACROPHAGE_UP
                                                                                                FLETCHER_PBMC_BCG_10W_INFANT_PPD_STIMULATED_VS_UNSTIMULATED_10W_DN, FLETCHER_PBMC_BCG_10W_INFANT_PPD_STIMULATED_VS_UNSTIMULATED_10W_DN
                                                                                                GSE37416_0H_VS_48H_F_TULARENSIS_LVS_NEUTROPHIL_UP, GSE37416_0H_VS_48H_F_TULARENSIS_LVS_NEUTROPHIL_UP
                                                                                                GSE42021_CD24HI_VS_CD24LOW_TCONV_THYMUS_DN, GSE42021_CD24HI_VS_CD24LOW_TCONV_THYMUS_DN
                                                                                                GSE24634_TREG_VS_TCONV_POST_DAY5_IL4_CONVERSION_DN, GSE24634_TREG_VS_TCONV_POST_DAY5_IL4_CONVERSION_DN
                                                                                                 GSE32986_UNSTIM_VS_GMCSF_AND_CURDLAN_LOWDOSE_STIM_DC_DN, GSE32986_UNSTIM_VS_GMCSF_AND_CURDLAN_LOWDOSE_STIM_DC_DN
                                                                                                GSE42021_TREG_PLN_VS_CD24INT_TREG_THYMUS_DN, GSE42021_TREG_PLN_VS_CD24INT_TREG_THYMUS_DN
                                                                                                GSE11864_CSF1_VS_CSF1_IFNG_PAM3CYS_IN_MAC_UP, GSE11864_CSF1_VS_CSF1_IFNG_PAM3CYS_IN_MAC_UP
                                                                                                 GSE1925_CTRL_VS_IFNG_PRIMED_MACROPHAGE_3H_IFNG_STIM_UP, GSE1925_CTRL_VS_IFNG_PRIMED_MACROPHAGE_3H_IFNG_STIM_UP
                                                                                                GSE10325_BCELL_VS_MYELOID_DN, GSE10325_BCELL_VS_MYELOID_DN
                                                                                                 GSE22140_GERMFREE_VS_SPF_ARTHRITIC_MOUSE_CD4_TCELL_DN, GSE22140_GERMFREE_VS_SPF_ARTHRITIC_MOUSE_CD4_TCELL_DN
                                                                                                 GSE24142_EARLY_THYMIC_PROGENITOR_VS_DN2_THYMOCYTE_UP, GSE24142_EARLY_THYMIC_PROGENITOR_VS_DN2_THYMOCYTE_UP
                                                                                                GSE24634_IL4_VS_CTRL_TREATED_NAIVE_CD4_TCELL_DAY10_DN, GSE24634_IL4_VS_CTRL_TREATED_NAIVE_CD4_TCELL_DAY10_DN
                                                                                                 GSE34515_CD16_NEG_MONOCYTE_VS_DC_UP, GSE34515_CD16_NEG_MONOCYTE_VS_DC_UP
                                                                                                 GSE24634_NAIVE_CD4_TCELL_VS_DAY3_IL4_CONV_TREG_UP, GSE24634_NAIVE_CD4_TCELL_VS_DAY3_IL4_CONV_TREG_UP
                                                                                                GSE11057_CD4_CENT_MEM_VS_PBMC_DN, GSE11057_CD4_CENT_MEM_VS_PBMC_DN
                                                                                                GSE30083_SP2_VS_SP4_THYMOCYTE_DN, GSE30083_SP2_VS_SP4_THYMOCYTE_DN
                                                                                                 GSE36888_STAT5_AB_KNOCKIN_VS_WT_TCELL_IL2_TREATED_2H_DN, GSE36888_STAT5_AB_KNOCKIN_VS_WT_TCELL_IL2_TREATED_2H_DN
                                                                                                GSE21546_SAP1A_KO_VS_SAP1A_KO_AND_ELK1_KO_ANTI_CD3_STIM_DP_THYMOCYTES_DN, GSE21546_SAP1A_KO_VS_SAP1A_KO_AND_ELK1_KO_ANTI_CD3_STIM_DP_THYMOCYTES_DN
                                                                                                GSE6269_FLU_VS_STAPH_AUREUS_INF_PBMC_DN, GSE6269_FLU_VS_STAPH_AUREUS_INF_PBMC_DN
                                                                                                 GSE2770_TGFB_AND_IL4_ACT_VS_ACT_CD4_TCELL_2H_UP, GSE2770_TGFB_AND_IL4_ACT_VS_ACT_CD4_TCELL_2H_UP
                                                                                                GSE24634_TREG_VS_TCONV_POST_DAY10_IL4_CONVERSION_DN, GSE24634_TREG_VS_TCONV_POST_DAY10_IL4_CONVERSION_DN
                                                                                                GSE39110_UNTREATED_VS_IL2_TREATED_CD8_TCELL_DAY6_POST_IMMUNIZATION_UP, GSE39110_UNTREATED_VS_IL2_TREATED_CD8_TCELL_DAY6_POST_IMMUNIZATION_UP
                                                                                                 GSE14000 TRANSLATED RNA VS MRNA DC DN, GSE14000 TRANSLATED RNA VS MRNA DC DN
                                                                                                GSE2770_TGFB_AND_IL4_VS_TGFB_AND_IL12_TREATED_ACT_CD4_TCELL_48H_DN, GSE2770_TGFB_AND_IL4_VS_TGFB_AND_IL12_TREATED_ACT_CD4_TCELL_48H_DN
                                                                                                 GSE24634_TREG_VS_TCONV_POST_DAY3_IL4_CONVERSION_DN, GSE24634_TREG_VS_TCONV_POST_DAY3_IL4_CONVERSION_DN
                                                                                                GSE39556_UNTREATED_VS_3H_POLYIC_INJ_MOUSE_NK_CELL_DN, GSE39556_UNTREATED_VS_3H_POLYIC_INJ_MOUSE_NK_CELL_DN
                                                                                                GSE24634_TEFF_VS_TCONV_DAY3_IN_CULTURE_DN, GSE24634_TEFF_VS_TCONV_DAY3_IN_CULTURE_DN
                                                                                                 GSE11864_CSF1_IFNG_VS_CSF1_PAM3CYS_IN_MAC_UP, GSE11864_CSF1_IFNG_VS_CSF1_PAM3CYS_IN_MAC_UP
                                                                                                 GSE1460_INTRATHYMIC_T_PROGENITOR_VS_CD4_THYMOCYTE_DN, GSE1460_INTRATHYMIC_T_PROGENITOR_VS_CD4_THYMOCYTE_DN
                                                                                                 GSE36826_NORMAL_VS_STAPH_AUREUS_INF_SKIN_DN, GSE36826_NORMAL_VS_STAPH_AUREUS_INF_SKIN_DN
                                                                                                 GSE24634_NAIVE_CD4_TCELL_VS_DAY5_IL4_CONV_TREG_UP, GSE24634_NAIVE_CD4_TCELL_VS_DAY5_IL4_CONV_TREG_UP
                                                                                                 GSE17721_CTRL_VS_LPS_12H_BMDC_UP, GSE17721_CTRL_VS_LPS_12H_BMDC_UP
                                                                                                 GSE17186_BLOOD_VS_CORD_BLOOD_CD21LOW_TRANSITIONAL_BCELL_UP, GSE17186_BLOOD_VS_CORD_BLOOD_CD21LOW_TRANSITIONAL_BCELL_UP
                                                                                                 GSE36826_NORMAL_VS_STAPH_AUREUS_INF_IL1R_KO_SKIN_UP, GSE36826_NORMAL_VS_STAPH_AUREUS_INF_IL1R_KO_SKIN_UP
                                                                                                 GSE26156_DOUBLE_POSITIVE_VS_CD4_SINGLE_POSITIVE_THYMOCYTE_UP, GSE26156_DOUBLE_POSITIVE_VS_CD4_SINGLE_POSITIVE_THYMOCYTE_UP
                                                                                                 GSE14000_4H_VS_16H_LPS_DC_TRANSLATED_RNA_UP, GSE14000_4H_VS_16H_LPS_DC_TRANSLATED_RNA_UP
                                                                                                 GSE3982 NEUTROPHIL VS CENT MEMORY CD4 TCELL UP, GSE3982 NEUTROPHIL VS CENT MEMORY CD4 TCELL UP
                                                                                                 GSE24142_EARLY_THYMIC_PROGENITOR_VS_DN3_THYMOCYTE_ADULT_UP, GSE24142_EARLY_THYMIC_PROGENITOR_VS_DN3_THYMOCYTE_ADULT_UP
                                                                                                 GSE32986_UNSTIM_VS_CURDLAN_HIGHDOSE_STIM_DC_DN, GSE32986_UNSTIM_VS_CURDLAN_HIGHDOSE_STIM_DC_DN
                                                                                                 GSE19198_1H_VS_24H_IL21_TREATED_TCELL_DN, GSE19198_1H_VS_24H_IL21_TREATED_TCELL_DN
                                                                                                 GSE40068_CXCR5POS_BCL6POS_TFH_VS_CXCR5NEG_BCL6NEG_CD4_TCELL_UP, GSE40068_CXCR5POS_BCL6POS_TFH_VS_CXCR5NEG_BCL6NEG_CD4_TCELL_UP
                                                                                                 GSE13484_12H_UNSTIM_VS_YF17D_VACCINE_STIM_PBMC_UP, GSE13484_12H_UNSTIM_VS_YF17D_VACCINE_STIM_PBMC_UP
                                                                                                 GSE11057_PBMC_VS_MEM_CD4_TCELL_UP, GSE11057_PBMC_VS_MEM_CD4_TCELL_UP
                                                                                                 GSE45365_NK_CELL_VS_BCELL_MCMV_INFECTION_UP, GSE45365_NK_CELL_VS_BCELL_MCMV_INFECTION_UP
                                                                                                 GSE35685_CD34POS_CD10NEG_CD62LPOS_VS_CD34POS_CD10POS_BONE_MARROW_DN, GSE35685_CD34POS_CD10NEG_CD62LPOS_VS_CD34POS_CD10POS_BONE_MARROW_DN
                                                                                                 GSE4984_UNTREATED_VS_GALECTIN1_TREATED_DC_UP, GSE4984_UNTREATED_VS_GALECTIN1_TREATED_DC_UP
                                                                                                 GSE22886_IGM_MEMORY_BCELL_VS_BM_PLASMA_CELL_UP, GSE22886_IGM_MEMORY_BCELL_VS_BM_PLASMA_CELL_UP
                                                                                                 GSE7219_UNSTIM_VS_LPS_AND_ANTI_CD40_STIM_NIK_NFKB2_KO_DC_UP, GSE7219_UNSTIM_VS_LPS_AND_ANTI_CD40_STIM_NIK_NFKB2_KO_DC_UP
                                                                                                 GSE39556 CD8A DC VS NK CELL DN, GSE39556 CD8A DC VS NK CELL DN
                                                                                                 GSE6269_E_COLI_VS_STAPH_AUREUS_INF_PBMC_DN, GSE6269_E_COLI_VS_STAPH_AUREUS_INF_PBMC_DN
                                                                                                 GSE17974 0H VS 2H IN VITRO ACT CD4 TCELL UP, GSE17974 0H VS 2H IN VITRO ACT CD4 TCELL UP
                                                                                                 GSE5099_DAY3_VS_DAY7_MCSF_TREATED_MACROPHAGE_UP, GSE5099_DAY3_VS_DAY7_MCSF_TREATED_MACROPHAGE_UP
                                                                                                 GSE2128_C57BL6_VS_NOD_THYMOCYTE_MIMETOPE_NEGATIVE_SELECTION_DN, GSE2128_C57BL6_VS_NOD_THYMOCYTE_MIMETOPE_NEGATIVE_SELECTION_DN
                                                                                                GSE13411_IGM_MEMORY_BCELL_VS_PLASMA_CELL_UP, GSE13411_IGM_MEMORY_BCELL_VS_PLASMA_CELL_UP
                                                                                                 GSE24142_EARLY_THYMIC_PROGENITOR_VS_DN2_THYMOCYTE_ADULT_UP, GSE24142_EARLY_THYMIC_PROGENITOR_VS_DN2_THYMOCYTE_ADULT_UP
                                                                                                 GSE25123_CTRL_VS_ROSIGLITAZONE_STIM_PPARG_KO_MACROPHAGE_UP, GSE25123_CTRL_VS_ROSIGLITAZONE_STIM_PPARG_KO_MACROPHAGE_UP
                                                                                                 GSE3982_DC_VS_TH1_UP, GSE3982_DC_VS_TH1_UP
                                                                                                GSE11057_NAIVE_VS_EFF_MEMORY_CD4_TCELL_DN, GSE11057_NAIVE_VS_EFF_MEMORY_CD4_TCELL_DN
                                                                                                GSE24634_TEFF_VS_TCONV_DAY5_IN_CULTURE_DN, GSE24634_TEFF_VS_TCONV_DAY5_IN_CULTURE_DN
                                                                                                GSE1460_INTRATHYMIC_T_PROGENITOR_VS_THYMIC_STROMAL_CELL_UP, GSE1460_INTRATHYMIC_T_PROGENITOR_VS_THYMIC_STROMAL_CELL_UP
                                                                                                GSE42088_UNINF_VS_LEISHMANIA_INF_DC_4H_DN, GSE42088_UNINF_VS_LEISHMANIA_INF_DC_4H_DN
                                                                                                GSE24142_EARLY_THYMIC_PROGENITOR_VS_DN3_THYMOCYTE_UP, GSE24142_EARLY_THYMIC_PROGENITOR_VS_DN3_THYMOCYTE_UP
                                                                                                GSE7764_IL15_NK_CELL_24H_VS_SPLENOCYTE_DN, GSE7764_IL15_NK_CELL_24H_VS_SPLENOCYTE_DN
                                                                                                GSE1460_CD4_THYMOCYTE_VS_NAIVE_CD4_TCELL_ADULT_BLOOD_DN, GSE1460_CD4_THYMOCYTE_VS_NAIVE_CD4_TCELL_ADULT_BLOOD_DN
                                                                                                GSE12845_IGD_POS_BLOOD_VS_PRE_GC_TONSIL_BCELL_UP, GSE12845_IGD_POS_BLOOD_VS_PRE_GC_TONSIL_BCELL_UP
                                                                                                GSE3982_BASOPHIL_VS_TH1_UP, GSE3982_BASOPHIL_VS_TH1_UP
                                                                                                GSE45881_CXCR6HI_VS_CXCR1LO_COLONIC_LAMINA_PROPRIA_DN, GSE45881_CXCR6HI_VS_CXCR1LO_COLONIC_LAMINA_PROPRIA_DN
                                                                                                GSE33292_WT_VS_TCF1_KO_DN3_THYMOCYTE_UP, GSE33292_WT_VS_TCF1_KO_DN3_THYMOCYTE_UP
                                                                                                GSE22886_UNSTIM_VS_IL2_STIM_NKCELL_UP, GSE22886_UNSTIM_VS_IL2_STIM_NKCELL_UP
                                                                                                GSE40666_NAIVE_VS_EFFECTOR_CD8_TCELL_DN, GSE40666_NAIVE_VS_EFFECTOR_CD8_TCELL_DN
                                                                                                GSE3982_BCELL_VS_BASOPHIL_DN, GSE3982_BCELL_VS_BASOPHIL_DN
                                                                                                GSE3982_DC_VS_EFF_MEMORY_CD4_TCELL_UP, GSE3982_DC_VS_EFF_MEMORY_CD4_TCELL_UP
                                                                                                GSE2706 2H VS 8H R848 STIM DC UP, GSE2706 2H VS 8H R848 STIM DC UP
                                                                                                GAUCHER_PBMC_YF_VAX_STAMARIL_UNKNOWN_AGE_7DY_DN, GAUCHER_PBMC_YF_VAX_STAMARIL_UNKNOWN_AGE_7DY_DN
                                                                                                GSE21360_NAIVE_VS_SECONDARY_MEMORY_CD8_TCELL_UP, GSE21360_NAIVE_VS_SECONDARY_MEMORY_CD8_TCELL_UP
                                                                                                GSE39556_CD8A_DC_VS_NK_CELL_MOUSE_3H_POST_POLYIC_INJ_DN, GSE39556_CD8A_DC_VS_NK_CELL_MOUSE_3H_POST_POLYIC_INJ_DN
                                                                                                 GSE39556_UNTREATED_VS_3H_POLYIC_INJ_MOUSE_CD8A_DC_DN, GSE39556_UNTREATED_VS_3H_POLYIC_INJ_MOUSE_CD8A_DC_DN
                                                                                                GSE22886_NAIVE_CD4_TCELL_VS_48H_ACT_TH2_UP, GSE22886_NAIVE_CD4_TCELL_VS_48H_ACT_TH2_UP
                                                                                                GSE20727_H2O2_VS_ROS_INHIBITOR_TREATED_DC_DN, GSE20727_H2O2_VS_ROS_INHIBITOR_TREATED_DC_DN
                                                                                                 GSE39556_UNTREATED_VS_3H_POLYIC_INJ_MOUSE_CD8A_DC_UP, GSE39556_UNTREATED_VS_3H_POLYIC_INJ_MOUSE_CD8A_DC_UP
                                                                                                 GSE3982_BASOPHIL_VS_TH2_UP, GSE3982_BASOPHIL_VS_TH2_UP
                                                                                                 GSE29618_BCELL_VS_MDC_UP, GSE29618_BCELL_VS_MDC_UP
                                                                                                 GSE40685_TREG_VS_FOXP3_KO_TREG_PRECURSOR_DN, GSE40685_TREG_VS_FOXP3_KO_TREG_PRECURSOR_DN
                                                                                                 GSE28737_BCL6_HET_VS_BCL6_KO_FOLLICULAR_BCELL_DN, GSE28737_BCL6_HET_VS_BCL6_KO_FOLLICULAR_BCELL_DN
                                                                                                 GSE6269_HEALTHY_VS_STAPH_PNEUMO_INF_PBMC_DN, GSE6269_HEALTHY_VS_STAPH_PNEUMO_INF_PBMC_DN
                                                                                                 GSE32986_GMCSF_VS_GMCSF_AND_CURDLAN_LOWDOSE_STIM_DC_DN, GSE32986_GMCSF_VS_GMCSF_AND_CURDLAN_LOWDOSE_STIM_DC_DN
                                                                                                 GSE36078_WT_VS_IL1R_KO_LUNG_DC_AFTER_AD5_INF_UP, GSE36078_WT_VS_IL1R_KO_LUNG_DC_AFTER_AD5_INF_UP
                                                                                                 GSE20727_CTRL_VS_H2O2_TREATED_DC_DN, GSE20727_CTRL_VS_H2O2_TREATED_DC_DN
                                                                                                 GSE36888_STAT5_AB_KNOCKIN_VS_WT_TCELL_IL2_TREATED_2H_UP, GSE36888_STAT5_AB_KNOCKIN_VS_WT_TCELL_IL2_TREATED_2H_UP
                                                                                                 GSE360_DC_VS_MAC_B_MALAYI_HIGH_DOSE_UP, GSE360_DC_VS_MAC_B_MALAYI_HIGH_DOSE_UP
                                                                                                 GSE40666_WT_VS_STAT1_KO_CD8_TCELL_UP, GSE40666_WT_VS_STAT1_KO_CD8_TCELL_UP
                                                                                                 GSE13411_NAIVE_BCELL_VS_PLASMA_CELL_UP, GSE13411_NAIVE_BCELL_VS_PLASMA_CELL_UP
                                                                                               GSE7460_WT_VS_FOXP3_HET_ACT_WITH_TGFB_TCONV_UP, GSE7460_WT_VS_FOXP3_HET_ACT_WITH_TGFB_TCONV_UP
Y1_MONOCYTE_IN_CULTURE_UP, GSE22886_DAY0_VS_DAY1_MONOCYTE_IN_CULTURE_UP
                                                                                               GSE24634_IL4_VS_CTRL_TREATED_NAIVE_CD4_TCELL_DAY3_DN, GSE24634_IL4_VS_CTRL_TREATED_NAIVE_CD4_TCELL_DAY3_DN
                                                                                                 GSE26928_NAIVE_VS_EFF_MEMORY_CD4_TCELL_UP, GSE26928_NAIVE_VS_EFF_MEMORY_CD4_TCELL_UP
                                                                                                 GSE40685_TREG_VS_FOXP3_KO_TREG_PRECURSOR_UP, GSE40685_TREG_VS_FOXP3_KO_TREG_PRECURSOR_UP
                                                                                                 GSE5589_LPS_VS_LPS_AND_IL10_STIM_MACROPHAGE_180MIN_UP, GSE5589_LPS_VS_LPS_AND_IL10_STIM_MACROPHAGE_180MIN_UP
                                                                                                 GSE24972_WT_VS_IRF8_KO_MARGINAL_ZONE_SPLEEN_BCELL_UP, GSE24972_WT_VS_IRF8_KO_MARGINAL_ZONE_SPLEEN_BCELL_UP
                                                                                                 GSE3982 MAC VS TH2 UP, GSE3982 MAC VS TH2 UP
                                                                                                 GAUCHER_PBMC_YF_VAX_STAMARIL_UNKNOWN_AGE_3DY_DN, GAUCHER_PBMC_YF_VAX_STAMARIL_UNKNOWN_AGE_3DY_DN
                                                                                                 GSE7548_DAY7_VS_DAY28_PCC_IMMUNIZATION_CD4_TCELL_DN, GSE7548_DAY7_VS_DAY28_PCC_IMMUNIZATION_CD4_TCELL_DN
                                                                                                 GSE13485 CTRL VS DAY3 YF17D VACCINE PBMC DN, GSE13485 CTRL VS DAY3 YF17D VACCINE PBMC DN
                                                                                                 GSE46606_UNSTIM_VS_CD40L_IL2_IL5_DAY3_STIMULATED_BCELL_UP, GSE46606_UNSTIM_VS_CD40L_IL2_IL5_DAY3_STIMULATED_BCELL_UP
                                                                                                 GSE19198 6H VS 24H IL21 TREATED TCELL DN, GSE19198 6H VS 24H IL21 TREATED TCELL DN
                                                                                                 GSE15930_STIM_VS_STIM_AND_TRICHOSTATINA_48H_CD8_T_CELL_UP, GSE15930_STIM_VS_STIM_AND_TRICHOSTATINA_48H_CD8_T_CELL_UP
                                                                                                 GSE17721_PAM3CSK4_VS_GADIQUIMOD_16H_BMDC_DN, GSE17721_PAM3CSK4_VS_GADIQUIMOD_16H_BMDC_DN
                                                                                                 GSE21360_PRIMARY_VS_QUATERNARY_MEMORY_CD8_TCELL_UP, GSE21360_PRIMARY_VS_QUATERNARY_MEMORY_CD8_TCELL_UP
                                                                                                 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
                                                                                                 GSE7219_UNSTIM_VS_LPS_AND_ANTI_CD40_STIM_NIK_NFKB2_KO_DC_DN, GSE7219_UNSTIM_VS_LPS_AND_ANTI_CD40_STIM_NIK_NFKB2_KO_DC_DN
                                                                                                GSE41867_DAY6_EFFECTOR_VS_DAY30_EXHAUSTED_CD8_TCELL_LCMV_CLONE13_UP, GSE41867_DAY6_EFFECTOR_VS_DAY30_EXHAUSTED_CD8_TCELL_LCMV_CLONE13_UP
                                                                                                GSE1460_DP_THYMOCYTE_VS_THYMIC_STROMAL_CELL_DN, GSE1460_DP_THYMOCYTE_VS_THYMIC_STROMAL_CELL_DN
                                                                                                GSE17186_BLOOD_VS_CORD_BLOOD_NAIVE_BCELL_DN, GSE17186_BLOOD_VS_CORD_BLOOD_NAIVE_BCELL_DN
                                                                                                GSE37301 PRO BCELL VS RAG2 KO NK CELL UP, GSE37301 PRO BCELL VS RAG2 KO NK CELL UP
                                                                                                 GSE21063_WT_VS_NFATC1_KO_3H_ANTI_IGM_STIM_BCELL_DN, GSE21063_WT_VS_NFATC1_KO_3H_ANTI_IGM_STIM_BCELL_DN
                                                                                                GSE26727_WT_VS_KLF2_KO_LPS_STIM_MACROPHAGE_UP, GSE26727_WT_VS_KLF2_KO_LPS_STIM_MACROPHAGE_UP
                                                                                                GSE40274_CTRL_VS_FOXP3_AND_XBP1_TRANSDUCED_ACTIVATED_CD4_TCELL_DN, GSE40274_CTRL_VS_FOXP3_AND_XBP1_TRANSDUCED_ACTIVATED_CD4_TCELL_DN
                                                                                                GSE3982_BCELL_VS_CENT_MEMORY_CD4_TCELL_UP, GSE3982_BCELL_VS_CENT_MEMORY_CD4_TCELL_UP
                                                                                                GSE7219_UNSTIM_VS_LPS_AND_ANTI_CD40_STIM_DC_UP, GSE7219_UNSTIM_VS_LPS_AND_ANTI_CD40_STIM_DC_UP
                                                                                                GSE34156_NOD2_LIGAND_VS_TLR1_TLR2_LIGAND_6H_TREATED_MONOCYTE_UP, GSE34156_NOD2_LIGAND_VS_TLR1_TLR2_LIGAND_6H_TREATED_MONOCYTE_UP
                                                                                                GSE360 T GONDII VS B MALAYI LOW DOSE MAC DN, GSE360 T GONDII VS B MALAYI LOW DOSE MAC DN
                                                                                                GSE37301_MULTIPOTENT_PROGENITOR_VS_CD4_TCELL_UP, GSE37301_MULTIPOTENT_PROGENITOR_VS_CD4_TCELL_UP
                                                                                                 GSE3982 DC VS BCELL UP, GSE3982 DC VS BCELL UP
                                                                                                GSE34156 UNTREATED VS 6H_NOD2 LIGAND TREATED MONOCYTE DN, GSE34156 UNTREATED VS 6H_NOD2 LIGAND TREATED MONOCYTE DN
                                                                                                 GSE36392_TYPE_2_MYELOID_VS_NEUTROPHIL_IL25_TREATED_LUNG_UP, GSE36392_TYPE_2_MYELOID_VS_NEUTROPHIL_IL25_TREATED_LUNG_UP
                                                                                                GSE7831_UNSTIM_VS_CPG_STIM_PDC_4H_DN, GSE7831_UNSTIM_VS_CPG_STIM_PDC_4H_DN
                                                                                                GSE14000_4H_VS_16H_LPS_DC_UP, GSE14000_4H_VS_16H_LPS_DC_UP
                                                                                                GSE36476_CTRL_VS_TSST_ACT_40H_MEMORY_CD4_TCELL_OLD_UP, GSE36476_CTRL_VS_TSST_ACT_40H_MEMORY_CD4_TCELL_OLD_UP
                                                                                                GSE11961_FOLLICULAR_BCELL_VS_GERMINAL_CENTER_BCELL_DAY40_DN, GSE11961_FOLLICULAR_BCELL_VS_GERMINAL_CENTER_BCELL_DAY40_DN
                                                                                                GSE14350 IL2RB KO VS WT TEFF UP, GSE14350 IL2RB KO VS WT TEFF UP
                                                                                                 GSE36476_CTRL_VS_TSST_ACT_16H_MEMORY_CD4_TCELL_OLD_UP, GSE36476_CTRL_VS_TSST_ACT_16H_MEMORY_CD4_TCELL_OLD_UP
                                                                                                 GSE22886_NAIVE_CD8_TCELL_VS_MEMORY_TCELL_UP, GSE22886_NAIVE_CD8_TCELL_VS_MEMORY_TCELL_UP
                                                                                                 GSE17301 IFNA2 VS IFNA2 AND ACD3 ACD28 STIM CD8 TCELL DN, GSE17301 IFNA2 VS IFNA2 AND ACD3 ACD28 STIM CD8 TCELL DN
                                                                                                GSE29618_BCELL_VS_PDC_UP, GSE29618_BCELL_VS_PDC_UP
                                                                                                 GSE17721_POLYIC_VS_CPG_12H_BMDC_UP, GSE17721_POLYIC_VS_CPG_12H_BMDC_UP
                                                                                                 GSE3039_ALPHAALPHA_CD8_TCELL_VS_B2_BCELL_UP, GSE3039_ALPHAALPHA_CD8_TCELL_VS_B2_BCELL_UP
                                                                                                 GSE17186_BLOOD_VS_CORD_BLOOD_CD21HIGH_TRANSITIONAL_BCELL_DN, GSE17186_BLOOD_VS_CORD_BLOOD_CD21HIGH_TRANSITIONAL_BCELL_DN
                                                                                                 GSE24574_NAIVE_VS_TCONV_CD4_TCELL_UP, GSE24574_NAIVE_VS_TCONV_CD4_TCELL_UP
                                                                                                 GSE23321_CENTRAL_MEMORY_VS_NAIVE_CD8_TCELL_UP, GSE23321_CENTRAL_MEMORY_VS_NAIVE_CD8_TCELL_UP
                                                                                                 GSE1460 DP THYMOCYTE VS NAIVE CD4 TCELL ADULT BLOOD DN, GSE1460 DP THYMOCYTE VS NAIVE CD4 TCELL ADULT BLOOD DN
                                                                                                 GSE7348 LPS_VS_TOLERIZED_AND_LPS_STIM_MACROPHAGE_DN, GSE7348 LPS_VS_TOLERIZED_AND_LPS_STIM_MACROPHAGE_DN
                                                                                                 GSE23502_BM_VS_COLON_TUMOR_MYELOID_DERIVED_SUPPRESSOR_CELL_UP, GSE23502_BM_VS_COLON_TUMOR_MYELOID_DERIVED_SUPPRESSOR_CELL_UP
                                                                                                 HOWARD_NK_CELL_INACT_MONOV_INFLUENZA_A_INDONESIA_05_2005_H5N1_AGE_18_49YO_28DY_DN, HOWARD_NK_CELL_INACT_MONOV_INFLUENZA_A_INDONESIA_05_2005_H5N1_AGE_18_49YO_28DY_DN
                                                                                                 GSE5679 RARA AGONIST AM580 VS AM580 AND ROSIGLITAZONE TREATED DC DN, GSE5679 RARA AGONIST AM580 VS AM580 AND ROSIGLITAZONE TREATED DC DN
                                                                                                 GSE3982_EOSINOPHIL_VS_NEUTROPHIL_DN, GSE3982_EOSINOPHIL_VS_NEUTROPHIL_DN
                                                                                                 GSE5455 HEALTHY VS TUMOR BEARING MOUSE SPLEEN MONOCYTE DN, GSE5455 HEALTHY VS TUMOR BEARING MOUSE SPLEEN MONOCYTE DN
                                                                                                 GSE46242_TH1_VS_ANERGIC_TH1_CD4_TCELL_UP, GSE46242_TH1_VS_ANERGIC_TH1_CD4_TCELL_UP
                                                                                                 GSE3039 CD4 TCELL VS B2 BCELL UP, GSE3039 CD4 TCELL VS B2 BCELL UP
                                                                                                 GSE360 DC VS MAC T GONDII DN, GSE360 DC VS MAC T GONDII DN
                                                                                                 GSE2706 UNSTIM VS 8H R848 DC UP, GSE2706 UNSTIM VS 8H R848 DC UP
                                                                                                 GSE6259_FLT3L_INDUCED_33D1_POS_DC_VS_CD4_TCELL_UP, GSE6259_FLT3L_INDUCED_33D1_POS_DC_VS_CD4_TCELL_UP
                                                                                                 GSE40274_FOXP3_VS_FOXP3_AND_PBX1_TRANSDUCED_ACTIVATED_CD4_TCELL_DN, GSE40274_FOXP3_VS_FOXP3_AND_PBX1_TRANSDUCED_ACTIVATED_CD4_TCELL_DN
                                                                                                 GSE21360 NAIVE VS PRIMARY MEMORY CD8 TCELL UP, GSE21360 NAIVE VS PRIMARY MEMORY CD8 TCELL UP
                                                                                                 GSE22886_NAIVE_TCELL_VS_NEUTROPHIL_DN, GSE22886_NAIVE_TCELL_VS_NEUTROPHIL_DN
                                                                                                 GSE37301 CD4 TCELL VS GRANULOCYTE MONOCYTE PROGENITOR DN, GSE37301 CD4 TCELL VS GRANULOCYTE MONOCYTE PROGENITOR DN
                                                                                                 GSE32164 ALTERNATIVELY ACT M2 VS CMYC INHIBITED MACROPHAGE UP, GSE32164 ALTERNATIVELY ACT M2 VS CMYC INHIBITED MACROPHAGE UP
                                                                                                 GSE29618_BCELL_VS_PDC_DAY7_FLU_VACCINE_UP, GSE29618_BCELL_VS_PDC_DAY7_FLU_VACCINE_UP
                                                                                                 GSE45739 UNSTIM VS ACD3 ACD28 STIM WT CD4 TCELL UP, GSE45739 UNSTIM VS ACD3 ACD28 STIM WT CD4 TCELL UP
                                                                                                 GSE17974 CTRL VS ACT IL4 AND ANTI IL12 1H CD4 TCELL UP, GSE17974 CTRL VS ACT IL4 AND ANTI IL12 1H CD4 TCELL UP
                                                                                                 GSE17721_PAM3CSK4_VS_GADIQUIMOD_24H_BMDC_UP, GSE17721_PAM3CSK4_VS_GADIQUIMOD_24H_BMDC_UP
                                                                                                 GSE360 L MAJOR VS B MALAYI HIGH DOSE MAC DN, GSE360 L MAJOR VS B MALAYI HIGH DOSE MAC DN
                                                                                                 GSE36826_WT_VS_IL1R_KO_SKIN_UP, GSE36826_WT_VS_IL1R_KO_SKIN_UP
                                                                                                 GSE6259_FLT3L_INDUCED_33D1_POS_DC_VS_CD8_TCELL_UP, GSE6259_FLT3L_INDUCED_33D1_POS_DC_VS_CD8_TCELL_UP
                                                                                                 GSE41867_DAY15_EFFECTOR_VS_DAY30_EXHAUSTED_CD8_TCELL_LCMV_CLONE13_UP, GSE41867_DAY15_EFFECTOR_VS_DAY30_EXHAUSTED_CD8_TCELL_LCMV_CLONE13_UP
                                                                                                 GSE2128_CTRL_VS_MIMETOPE_NEGATIVE_SELECTION_DP_THYMOCYTE_NOD_UP, GSE2128_CTRL_VS_MIMETOPE_NEGATIVE_SELECTION_DP_THYMOCYTE_NOD_UP
                                                                                                GSE12845_IGD_POS_BLOOD_VS_DARKZONE_GC_TONSIL_BCELL_UP, GSE12845_IGD_POS_BLOOD_VS_DARKZONE_GC_TONSIL_BCELL_UP
                                                                                                 LI_PBMC_MENACTRA_AGE_18_45YO_CORRELATED_WITH_ANTI_POLYSACCHARIDE_ANTIBODY_3DY_POSITIVE, LI_PBMC_MENACTRA_AGE_18_45YO_CORRELATED_WITH_ANTI_POLYSACCHARIDE_ANTIBODY_3DY_POSITIVE
                                                                                                 GSE34205_HEALTHY_VS_RSV_INF_INFANT_PBMC_UP, GSE34205_HEALTHY_VS_RSV_INF_INFANT_PBMC_UP
                                                                                                 GSE8685_IL15_ACT_IL2_STARVED_VS_IL21_ACT_IL2_STARVED_CD4_TCELL_UP, GSE8685_IL15_ACT_IL2_STARVED_VS_IL21_ACT_IL2_STARVED_CD4_TCELL_UP
                                                                                                GSE17721_PAM3CSK4_VS_CPG_6H_BMDC_DN, GSE17721_PAM3CSK4_VS_CPG_6H_BMDC_DN
                                                                                                 GSE8921_UNSTIM_VS_TLR1_2_STIM_MONOCYTE_6H_UP, GSE8921_UNSTIM_VS_TLR1_2_STIM_MONOCYTE_6H_UP
                                                                                                ZAK_PBMC_MRKAD5_HIV_1_GAG_POL_NEF_AGE_20_50YO_AD5_NAB_TITERS_GT_200_VS_LTE_200_1DY_DN, ZAK_PBMC_MRKAD5_HIV_1_GAG_POL_NEF_AGE_20_50YO_AD5_NAB_TITERS_GT_200_VS_LTE_200_1DY_DN
                                                                                                 GSE5142_CTRL_VS_HTERT_TRANSDUCED_CD8_TCELL_EARLY_PASSAGE_CLONE_DN, GSE5142_CTRL_VS_HTERT_TRANSDUCED_CD8_TCELL_EARLY_PASSAGE_CLONE_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
                                                                                                GSE7764_IL15_TREATED_VS_CTRL_NK_CELL_24H_DN, GSE7764_IL15_TREATED_VS_CTRL_NK_CELL_24H_DN
                                                                                                 GSE3982_CENT_MEMORY_CD4_TCELL_VS_TH2_UP, GSE3982_CENT_MEMORY_CD4_TCELL_VS_TH2_UP
                                                                                                LI_PBMC_MENOMUNE_A_C_Y_W_135_AGE_18_45YO_CORRELATED_WITH_ANTIBODY_RESPONSE_3DY_NEGATIVE, LI_PBMC_MENOMUNE_A_C_Y_W_135_AGE_18_45YO_CORRELATED_WITH_ANTIBODY_RESPONSE_3DY_NEGATIVE
                                                                                                GSE17974_CTRL_VS_ACT_IL4_AND_ANTI_IL12_2H_CD4_TCELL_UP, GSE17974_CTRL_VS_ACT_IL4_AND_ANTI_IL12_2H_CD4_TCELL_UP
                                                                                                 GSE42021_CD24INT_VS_CD24LOW_TCONV_THYMUS_DN, GSE42021_CD24INT_VS_CD24LOW_TCONV_THYMUS_DN
                                                                                                 GSE24142_DN2_VS_DN3_THYMOCYTE_UP, GSE24142_DN2_VS_DN3_THYMOCYTE_UP
                                                                                                 GSE19198_CTRL_VS_IL21_TREATED_TCELL_1H_UP, GSE19198_CTRL_VS_IL21_TREATED_TCELL_1H_UP
                                                                                                 GSE22886_NEUTROPHIL_VS_DC_UP, GSE22886_NEUTROPHIL_VS_DC_UP
                                                                                                 GSE3982_CENT_MEMORY_CD4_TCELL_VS_NKCELL_DN, GSE3982_CENT_MEMORY_CD4_TCELL_VS_NKCELL_DN
                                                                                                GSE22886_NAIVE_BCELL_VS_DC_UP, GSE22886_NAIVE_BCELL_VS_DC_UP
                                                                                                 GSE26488_WT_VS_HDAC7_DELTAP_TG_OT2_THYMOCYTE_WITH_PEPTIDE_INJECTION_DN, GSE26488_WT_VS_HDAC7_DELTAP_TG_OT2_THYMOCYTE_WITH_PEPTIDE_INJECTION_DN
                                                                                                 LI_PBMC_MENACTRA_AGE_18_45YO_CORRELATED_WITH_ANTI_DT_ANTIBODY_3DY_POSITIVE, LI_PBMC_MENACTRA_AGE_18_45YO_CORRELATED_WITH_ANTI_DT_ANTIBODY_3DY_POSITIVE
                                                                                                GSE17721_LPS_VS_PAM3CSK4_4H_BMDC_UP, GSE17721_LPS_VS_PAM3CSK4_4H_BMDC_UP
                                                                                                GSE22886_NAIVE_CD4_TCELL_VS_NEUTROPHIL_DN, GSE22886_NAIVE_CD4_TCELL_VS_NEUTROPHIL_DN
                                                                                                GSE40274_HELIOS_VS_FOXP3_AND_HELIOS_TRANSDUCED_ACTIVATED_CD4_TCELL_DN, GSE40274_HELIOS_VS_FOXP3_AND_HELIOS_TRANSDUCED_ACTIVATED_CD4_TCELL_DN
                                                                                                GSE24671_CTRL_VS_BAKIMULC_INFECTED_MOUSE_SPLENOCYTES_DN, GSE24671_CTRL_VS_BAKIMULC_INFECTED_MOUSE_SPLENOCYTES_DN
                                                                                                GSE2585_THYMIC_DC_VS_THYMIC_MACROPHAGE_DN, GSE2585_THYMIC_DC_VS_THYMIC_MACROPHAGE_DN
                                                                                                GSE27241_WT_CTRL_VS_DIGOXIN_TREATED_RORGT_KO_CD4_TCELL_IN_TH17_POLARIZING_CONDITIONS_UP, GSE27241_WT_CTRL_VS_DIGOXIN_TREATED_RORGT_KO_CD4_TCELL_IN_TH17_POLARIZING_CONDITIONS_UP
                                                                                                GSE3982_NKCELL_VS_TH1_UP, GSE3982_NKCELL_VS_TH1_UP
                                                                                                GSE17974_IL4_AND_ANTI_IL12_VS_UNTREATED_48H_ACT_CD4_TCELL_UP, GSE17974_IL4_AND_ANTI_IL12_VS_UNTREATED_48H_ACT_CD4_TCELL_UP
                                                                                                GSE32164_RESTING_DIFFERENTIATED_VS_CMYC_INHIBITED_MACROPHAGE_UP, GSE32164_RESTING_DIFFERENTIATED_VS_CMYC_INHIBITED_MACROPHAGE_UP
                                                                                                GSE21033_3H_VS_24H_POLYIC_STIM_DC_UP, GSE21033_3H_VS_24H_POLYIC_STIM_DC_UP
                                                                                                GSE36891_POLYIC_TLR3_VS_PAM_TLR2_STIM_PERITONEAL_MACROPHAGE_UP, GSE36891_POLYIC_TLR3_VS_PAM_TLR2_STIM_PERITONEAL_MACROPHAGE_UP
                                                                                                FULLER_PBMC_F_TULARENSIS_VACCINE_LVS_AGE_22_54YO_18HR_TO_48HR_EARLY_UP, FULLER_PBMC_F_TULARENSIS_VACCINE_LVS_AGE_22_54YO_18HR_TO_48HR_EARLY_UP
                                                                                                GSE22886_NAIVE_VS_IGM_MEMORY_BCELL_UP, GSE22886_NAIVE_VS_IGM_MEMORY_BCELL_UP
                                                                                                GSE43863_NAIVE_VS_MEMORY_TH1_CD4_TCELL_D150_LCMV_UP, GSE43863_NAIVE_VS_MEMORY_TH1_CD4_TCELL_D150_LCMV_UP
                                                                                                NAKAYA_PBMC_FLUMIST_AGE_18_50YO_3DY_IFN_SUBSET_UP, NAKAYA_PBMC_FLUMIST_AGE_18_50YO_3DY_IFN_SUBSET_UP
                                                                                                GSE5503_LIVER_DC_VS_PLN_DC_ACTIVATED_ALLOGENIC_TCELL_UP, GSE5503_LIVER_DC_VS_PLN_DC_ACTIVATED_ALLOGENIC_TCELL_UP
                                                                                                GSE1448_CTRL_VS_ANTI_VALPHA2_DP_THYMOCYTE_DN, GSE1448_CTRL_VS_ANTI_VALPHA2_DP_THYMOCYTE_DN
                                                                                                GSE25088_WT_VS_STAT6_KO_MACROPHAGE_ROSIGLITAZONE_AND_IL4_STIM_DN, GSE25088_WT_VS_STAT6_KO_MACROPHAGE_ROSIGLITAZONE_AND_IL4_STIM_DN
                                                                                                GSE3565_CTRL_VS_LPS_INJECTED_DUSP1_KO_SPLENOCYTES_DN, GSE3565_CTRL_VS_LPS_INJECTED_DUSP1_KO_SPLENOCYTES_DN
                                                                                                GSE28726_NAIVE_VS_ACTIVATED_NKTCELL_UP, GSE28726_NAIVE_VS_ACTIVATED_NKTCELL_UP
                                                                                                GSE21670_STAT3_KO_VS_WT_CD4_TCELL_UP, GSE21670_STAT3_KO_VS_WT_CD4_TCELL_UP
                                                                                                GSE2935_UV_INACTIVATED_VS_LIVE_SENDAI_VIRUS_INF_MACROPHAGE_UP, GSE2935_UV_INACTIVATED_VS_LIVE_SENDAI_VIRUS_INF_MACROPHAGE_UP
                                                                                                GSE24574_BCL6_HIGH_TFH_VS_NAIVE_CD4_TCELL_UP, GSE24574_BCL6_HIGH_TFH_VS_NAIVE_CD4_TCELL_UP
                                                                                                 GARCIA_PINERES_PBMC_HPV_16_L1_VLP_AGE_18_25YO_STIMULATED_0DY_VACCINATION_INDEPENDENT_DN, GARCIA_PINERES_PBMC_HPV_16_L1_VLP_AGE_18_25YO_STIMULATED_0DY_VACCINATION_INDEPENDENT_DN
                                                                                                GSE23114_WT_VS_SLE2C1_MOUSE_SPLEEN_B1A_BCELL_DN, GSE23114_WT_VS_SLE2C1_MOUSE_SPLEEN_B1A_BCELL_DN
                                                                                                 GSE28737_WT_VS_BCL6_HET_MARGINAL_ZONE_BCELL_UP, GSE28737_WT_VS_BCL6_HET_MARGINAL_ZONE_BCELL_UP
                                                                                                 GSE32423_CTRL_VS_IL4_MEMORY_CD8_TCELL_UP, GSE32423_CTRL_VS_IL4_MEMORY_CD8_TCELL_UP
                                                                                                GSE8835_HEALTHY_VS_CLL_CD8_TCELL_DN, GSE8835_HEALTHY_VS_CLL_CD8_TCELL_DN
                                                                                                GSE22886 TCELL VS BCELL NAIVE DN, GSE22886 TCELL VS BCELL NAIVE DN
                                                                                                GSE2405_S_AUREUS_VS_A_PHAGOCYTOPHILUM_NEUTROPHIL_UP, GSE2405_S_AUREUS_VS_A_PHAGOCYTOPHILUM_NEUTROPHIL_UP
                                                                                                GSE37319_WT_VS_RC3H1_KO_CD44LOW_CD8_TCELL_DN, GSE37319_WT_VS_RC3H1_KO_CD44LOW_CD8_TCELL_DN
                                                                                                GSE11961_UNSTIM_VS_ANTI_IGM_AND_CD40_STIM_6H_FOLLICULAR_BCELL_DN, GSE11961_UNSTIM_VS_ANTI_IGM_AND_CD40_STIM_6H_FOLLICULAR_BCELL_DN
                                                                                                QUEREC_MODEL_PBMC_YF_17D_VACCINE_AGE_18_45YO_3DY_PREDICTIVE, QUEREC_MODEL_PBMC_YF_17D_VACCINE_AGE_18_45YO_3DY_PREDICTIVE
                                                                                                GSE37301_PRO_BCELL_VS_GRANULOCYTE_MONOCYTE_PROGENITOR_UP, GSE37301_PRO_BCELL_VS_GRANULOCYTE_MONOCYTE_PROGENITOR_UP
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GSE29618\_MONOCYTE\_VS\_MDC\_DAY7\_FLU\_VACCINE\_UP, GSE29618\_MONOCYTE\_VS\_MDC\_DAY7\_FLU\_VACCINE\_UP

GSE29618\_BCELL\_VS\_MDC\_DN, GSE29618\_BCELL\_VS\_MDC\_DN

SOBOLEV\_PBMC\_PANDEMRIX\_AGE\_18\_64YO\_MEDIUM\_HIGH\_ADVERSE\_EVENTS\_SCORE\_1DY\_DN, SOBOLEV\_PBMC\_PANDEMRIX\_AGE\_18\_64YO\_MEDIUM\_HIGH\_ADVERSE\_EVENTS\_SCORE\_1DY\_DN
SOBOLEV\_PBMC\_PANDEMRIX\_AGE\_18\_64YO\_CORRELATED\_WITH\_AGE\_1DY\_POSITIVE, SOBOLEV\_PBMC\_PANDEMRIX\_AGE\_18\_64YO\_CORRELATED\_WITH\_AGE\_1DY\_POSITIVE
BUCASAS\_PBMC\_FLUARIX\_FLUVIRIN\_CAUCASIAN\_MALE\_AGE\_18\_40YO\_HIGH\_RESPONDERS\_1DY\_3DY\_POSITIVE\_PREDICTIVE\_OF\_TITER, BUCASAS\_PBMC\_FLUARIX\_FLUVIRIN\_CAUCASIAN\_MALE\_AGE\_18\_40YO\_HIGH\_RESPONDERS\_1DY\_3DY\_POSITIVE\_PREDICTIVE\_OF\_TITER
SOBOLEV\_PBMC\_PANDEMRIX\_AGE\_18\_64YO\_1DY\_UP, SOBOLEV\_PBMC\_PANDEMRIX\_AGE\_18\_64YO\_1DY\_UP
GIAROLA\_SILVA\_BLOOD\_INFLUENZA\_A\_AGE\_21\_51YO\_3DY\_UP, GIAROLA\_SILVA\_BLOOD\_INFLUENZA\_A\_AGE\_21\_51YO\_3DY\_UP, LI\_PBMC\_MENACTRA\_AGE\_18\_45YO\_ANTI\_POLYSACCHARIDE\_ANTIBODY\_CORRELATION\_PROFILE\_3DY\_UP
GIAROLA\_SILVA\_BLOOD\_PANDEMRIX\_AGE\_21\_51YO\_30DY\_UP, GIAROLA\_SILVA\_BLOOD\_PANDEMRIX\_AGE\_21\_51YO\_30DY\_UP

QI\_PBMC\_ZOSTAVAX\_AGE\_50\_75YO\_CORRELATED\_WITH\_T\_CELL\_RESPONSES\_EXPANSION\_AND\_CONTRACTION\_1D\_NOT\_INFORMATIVE\_OF\_

GSE15324\_ELF4\_KO\_VS\_WT\_ACTIVATED\_CD8\_TCELL\_DN, GSE15324\_ELF4\_KO\_VS\_WT\_ACTIVATED\_CD8\_TCELL\_DN

LI\_PBMC\_MENOMUNE\_A\_C\_Y\_W\_135\_AGE\_18\_45YO\_3DY\_DN, LI\_PBMC\_MENOMUNE\_A\_C\_Y\_W\_135\_AGE\_18\_45YO\_3DY\_DN

GSE32901\_TH17\_EMRICHED\_VS\_TH17\_NEG\_CD4\_TCELL\_UP, GSE32901\_TH17\_EMRICHED\_VS\_TH17\_NEG\_CD4\_TCELL\_UP

GIAROLA\_SILVA\_BLOOD\_PANDEMRIX\_AGE\_21\_51YO\_3DY\_UP, GIAROLA\_SILVA\_BLOOD\_PANDEMRIX\_AGE\_21\_51YO\_3DY\_UP

GAUCHER\_PBMC\_YF\_VAX\_STAMARIL\_UNKNOWN\_AGE\_14DY\_DN, GAUCHER\_PBMC\_YF\_VAX\_STAMARIL\_UNKNOWN\_AGE\_14DY\_DN

HOEK\_MYELOID\_DENDRITIC\_CELL\_2011\_2012\_TIV\_ADULT\_1DY\_UP, HOEK\_MYELOID\_DENDRITIC\_CELL\_2011\_2012\_TIV\_ADULT\_1DY\_UP

FULLER\_PBMC\_F\_TULARENSIS\_VACCINE\_LVS\_AGE\_22\_54YO\_18HR\_UP, FULLER\_PBMC\_F\_TULARENSIS\_VACCINE\_LVS\_AGE\_22\_54YO\_18HR\_UP

FULLER\_PBMC\_F\_TULARENSIS\_VACCINE\_LVS\_AGE\_22\_54YO\_48HR\_UP, FULLER\_PBMC\_F\_TULARENSIS\_VACCINE\_LVS\_AGE\_22\_54YO\_48HR\_UP

FULLER\_PBMC\_F\_TULARENSIS\_VACCINE\_LVS\_AGE\_22\_54YO\_192HR\_UP, FULLER\_PBMC\_F\_TULARENSIS\_VACCINE\_LVS\_AGE\_22\_54YO\_192HR\_UP

GSE17721\_CPG\_VS\_GARDIQUIMOD\_0.5H\_BMDC\_UP, GSE17721\_CPG\_VS\_GARDIQUIMOD\_0.5H\_BMDC\_UP

GSE360\_T\_GONDII\_VS\_M\_TUBERCULOSIS\_DC\_UP, GSE360\_T\_GONDII\_VS\_M\_TUBERCULOSIS\_DC\_UP

CAO\_BLOOD\_FLUZONE\_AGE\_05\_14YO\_1DY\_UP, CAO\_BLOOD\_FLUZONE\_AGE\_05\_14YO\_1DY\_UP

GSE1460\_NAIVE\_CD4\_TCELL\_CORD\_BLOOD\_VS\_THYMIC\_STROMAL\_CELL\_UP, GSE1460\_NAIVE\_CD4\_TCELL\_CORD\_BLOOD\_VS\_THYMIC\_STROMAL\_CELL\_UP

GSE10500\_ARTHRITIC\_SYNOVIAL\_FLUID\_VS\_HEALTHY\_MACROPHAGE\_DN, GSE10500\_ARTHRITIC\_SYNOVIAL\_FLUID\_VS\_HEALTHY\_MACROPHAGE\_DN

PATEL\_SKIN\_OF\_BODY\_ZOSTAVAX\_AGE\_70\_93YO\_VZV\_CHALLENGE\_6HR\_TOP\_30\_DEG\_UP, PATEL\_SKIN\_OF\_BODY\_ZOSTAVAX\_AGE\_70\_93YO\_VZV\_CHALLENGE\_6HR\_TOP\_30\_DEG\_UP

GSE22886\_CD8\_VS\_CD4\_NAIVE\_TCELL\_DN, GSE22886\_CD8\_VS\_CD4\_NAIVE\_TCELL\_DN