```
GSE22886_NAIVE_CD4_TCELL_VS_NKCELL_DN, GSE22886_NAIVE_CD4_TCELL_VS_NKCELL_DN
                                                                                                                                                    GSE1460_INTRATHYMIC_T_PROGENITOR_VS_NAIVE_CD4_TCELL_CORD_BLOOD_UP, GSE1460_INTRATHYMIC_T_PROGENITOR_VS_NAIVE_CD4_TCELL_CORD_BLOOD_UP
                                                                                                                                                    GSE21380_NON_TFH_VS_GERMINAL_CENTER_TFH_CD4_TCELL_DN, GSE21380_NON_TFH_VS_GERMINAL_CENTER_TFH_CD4_TCELL_DN
                                                                                                                                                    THAKAR_PBMC_INACTIVATED_INFLUENZA_AGE_70PLS_NONRESPONDER_2DY_UP, THAKAR_PBMC_INACTIVATED_INFLUENZA_AGE_70PLS_NONRESPONDER_2DY_UP
                                                                                                                                                    GSE32423_CTRL_VS_IL7_IL4_MEMORY_CD8_TCELL_UP, GSE32423_CTRL_VS_IL7_IL4_MEMORY_CD8_TCELL_UP
                                                                                                                                                    GSE2405_HEAT_KILLED_VS_LIVE_A_PHAGOCYTOPHILUM_STIM_NEUTROPHIL_9H_UP, GSE2405_HEAT_KILLED_VS_LIVE_A_PHAGOCYTOPHILUM_STIM_NEUTROPHIL_9H_UP
                                                                                                                                                    GSE2770_UNTREATED_VS_TGFB_AND_IL12_TREATED_ACT_CD4_TCELL_6H_UP, GSE2770_UNTREATED_VS_TGFB_AND_IL12_TREATED_ACT_CD4_TCELL_6H_UP
                                                                                                                                                    GSE35825_IFNA_VS_IFNG_STIM_MACROPHAGE_DN, GSE35825_IFNA_VS_IFNG_STIM_MACROPHAGE_DN
                                                                                                                                                    GSE7852_LN_VS_FAT_TCONV_UP, GSE7852_LN_VS_FAT_TCONV_UP
                                                                                                                                                    GSE36888_UNTREATED_VS_IL2_TREATED_STAT5_AB_KNOCKIN_TCELL_6H_DN, GSE36888_UNTREATED_VS_IL2_TREATED_STAT5_AB_KNOCKIN_TCELL_6H_DN
                                                                                                                                                    GSE13229_MATURE_VS_INTMATURE_NKCELL_DN, GSE13229_MATURE_VS_INTMATURE_NKCELL_DN
                                                                                                                                                    GSE10239_KLRG1INT_VS_KLRG1HIGH_EFF_CD8_TCELL_DN, GSE10239_KLRG1INT_VS_KLRG1HIGH_EFF_CD8_TCELL_DN
                                                                                                                                                   GSE9037_CTRL_VS_LPS_4H_STIM_BMDM_DN, GSE9037_CTRL_VS_LPS_4H_STIM_BMDM_DN
                                                                                                                                                    GSE21033_CTRL_VS_POLYIC_STIM_DC_12H_DN, GSE21033_CTRL_VS_POLYIC_STIM_DC_12H_DN
                                                                                                                                                    GSE21360_NAIVE_VS_QUATERNARY_MEMORY_CD8_TCELL_DN, GSE21360_NAIVE_VS_QUATERNARY_MEMORY_CD8_TCELL_DN
                                                                                                                                                    GSE17974_CTRL_VS_ACT_IL4_AND_ANTI_IL12_1H_CD4_TCELL_DN, GSE17974_CTRL_VS_ACT_IL4_AND_ANTI_IL12_1H_CD4_TCELL_DN
                                                                                                                                                    GSE11818_WT_VS_DICER_KO_TREG_DN, GSE11818_WT_VS_DICER_KO_TREG_DN
                                                                                                                                                   GSE14769_UNSTIM_VS_240MIN_LPS_BMDM_DN, GSE14769_UNSTIM_VS_240MIN_LPS_BMDM_DN
                                                                                                                                                    GSE29618 PRE_VS_DAY7_FLU_VACCINE_MDC_DN, GSE29618_PRE_VS_DAY7_FLU_VACCINE_MDC_DN
                                                                                                                                                    GSE7568_CTRL_VS_24H_TGFB_TREATED_MACROPHAGES_WITH_IL4_AND_DEXAMETHASONE_UP, GSE7568_CTRL_VS_24H_TGFB_TREATED_MACROPHAGES_WITH_IL4_AND_DEXAMETH
                                                                                                                                                    GSE17721_0.5H_VS_4H_POLYIC_BMDC_DN, GSE17721_0.5H_VS_4H_POLYIC_BMDC_DN
                                                                                                                                                    GSE2706 UNSTIM VS 2H R848 DC UP, GSE2706 UNSTIM VS 2H R848 DC UP
                                                                                                                                                    GSE17721_0.5H_VS_8H_GARDIQUIMOD_BMDC_DN, GSE17721_0.5H_VS_8H_GARDIQUIMOD_BMDC_DN
                                                                                                                                                   GSE24726_WT_VS_E2_2_KO_PDC_DN, GSE24726_WT_VS_E2_2_KO_PDC_DN
                                                                                                                                                    GSE5589_IL6_KO_VS_IL10_KO_LPS_AND_IL6_STIM_MACROPHAGE_45MIN_DN, GSE5589_IL6_KO_VS_IL10_KO_LPS_AND_IL6_STIM_MACROPHAGE_45MIN_DN
                                                                                                                                                    GSE14308_TH2_VS_NAIVE_CD4_TCELL_DN, GSE14308_TH2_VS_NAIVE_CD4_TCELL_DN
                                                                                                                                                    GSE1432_1H_VS_6H_IFNG_MICROGLIA_DN, GSE1432_1H_VS_6H_IFNG_MICROGLIA_DN
                                                                                                                                                    GSE17721_PAM3CSK4_VS_GADIQUIMOD_8H_BMDC_DN, GSE17721_PAM3CSK4_VS_GADIQUIMOD_8H_BMDC_DN
                                                                                                                                                    GSE33425_CD161_HIGH_VS_NEG_CD8_TCELL_UP, GSE33425_CD161_HIGH_VS_NEG_CD8_TCELL_UP
                                                                                                                                                    GSE46606_DAY1_VS_DAY3_CD40L_IL2_IL5_STIMULATED_IRF4MID_BCELL_DN, GSE46606_DAY1_VS_DAY3_CD40L_IL2_IL5_STIMULATED_IRF4MID_BCELL_DN
                                                                                                                                                    GSE40274_LEF1_VS_FOXP3_AND_LEF1_TRANSDUCED_ACTIVATED_CD4_TCELL_UP, GSE40274_LEF1_VS_FOXP3_AND_LEF1_TRANSDUCED_ACTIVATED_CD4_TCELL_UP
                                                                                                                                                    GSE5589_UNSTIM_VS_45MIN_LPS_AND_IL10_STIM_MACROPHAGE_DN, GSE5589_UNSTIM_VS_45MIN_LPS_AND_IL10_STIM_MACROPHAGE_DN
                                                                                                                                                    GSE45739_NRAS_KO_VS_WT_ACD3_ACD28_STIM_CD4_TCELL_DN, GSE45739_NRAS_KO_VS_WT_ACD3_ACD28_STIM_CD4_TCELL_DN
                                                                                                                                                    GSE8921_UNSTIM_0H_VS_TLR1_2_STIM_MONOCYTE_24H_DN, GSE8921_UNSTIM_0H_VS_TLR1_2_STIM_MONOCYTE_24H_DN
                                                                                                                                                    GSE20366_EX_VIVO_VS_DEC205_CONVERSION_UP, GSE20366_EX_VIVO_VS_DEC205_CONVERSION_UP
                                                                                                                                                    GSE40274_CTRL_VS_GATA1_TRANSDUCED_ACTIVATED_CD4_TCELL_DN, GSE40274_CTRL_VS_GATA1_TRANSDUCED_ACTIVATED_CD4_TCELL_DN
                                                                                                                                                    GSE37605_TREG_VS_TCONV_NOD_FOXP3_FUSION_GFP_DN, GSE37605_TREG_VS_TCONV_NOD_FOXP3_FUSION_GFP_DN
                                                                                                                                                    GSE4748_CTRL_VS_CYANOBACTERIUM_LPSLIKE_STIM_DC_3H_UP, GSE4748_CTRL_VS_CYANOBACTERIUM_LPSLIKE_STIM_DC_3H_UP
                                                                                                                                                    GSE32255_WT_UNSTIM_VS_JMJD2D_KNOCKDOWN_4H_LPS_STIM_DC_DN, GSE32255_WT_UNSTIM_VS_JMJD2D_KNOCKDOWN_4H_LPS_STIM_DC_DN
                                                                                                                                                    GSE23502_BM_VS_COLON_TUMOR_MYELOID_DERIVED_SUPPRESSOR_CELL_DN, GSE23502_BM_VS_COLON_TUMOR_MYELOID_DERIVED_SUPPRESSOR_CELL_DN
                                                                                                                                                    GSE15930_NAIVE_VS_72H_IN_VITRO_STIM_TRICHOSTATINA_CD8_TCELL_UP, GSE15930_NAIVE_VS_72H_IN_VITRO_STIM_TRICHOSTATINA_CD8_TCELL_UP
                                                                                                                                                    GSE27786_LIN_NEG_VS_CD4_TCELL_DN, GSE27786_LIN_NEG_VS_CD4_TCELL_DN
                                                                                                                                                    GSE45365_CD8A_DC_VS_CD11B_DC_IFNAR_KO_DN, GSE45365_CD8A_DC_VS_CD11B_DC_IFNAR_KO_DN
                                                                                                                                                    GSE16385 ROSIGLITAZONE IL4 VS IFNG TNF STIM MACROPHAGE UP, GSE16385 ROSIGLITAZONE IL4 VS IFNG TNF STIM MACROPHAGE UP
                                                                                                                                                    GSE43863 TH1 VS LY6C INT CXCR5POS EFFECTOR CD4 TCELL DN, GSE43863 TH1 VS LY6C INT CXCR5POS EFFECTOR CD4 TCELL DN
                                                                                                                                                    GSE32128_INOS_DEPENDENT_VS_INOS_INDEPENDENT_ACTIVATED_TCELL_UP, GSE32128_INOS_DEPENDENT_VS_INOS_INDEPENDENT_ACTIVATED_TCELL_UP
                                                                                                                                                    GSE21379_TFH_VS_NON_TFH_CD4_TCELL_UP, GSE21379_TFH_VS_NON_TFH_CD4_TCELL_UP
                                                                                                                                                    GSE3982_DC_VS_BASOPHIL_UP, GSE3982_DC_VS_BASOPHIL_UP
                                                                                                                                                    GSE3982_MEMORY_CD4_TCELL_VS_BCELL_DN, GSE3982_MEMORY_CD4_TCELL_VS_BCELL_DN
                                                                                                                                                    GSE24142_EARLY_THYMIC_PROGENITOR_VS_DN3_THYMOCYTE_FETAL_UP, GSE24142_EARLY_THYMIC_PROGENITOR_VS_DN3_THYMOCYTE_FETAL_UP
                                                                                                                                                    GSE17721_CTRL_VS_GARDIQUIMOD_2H_BMDC_UP, GSE17721_CTRL_VS_GARDIQUIMOD_2H_BMDC_UP
                                                                                                                                                    GSE3982_BCELL_VS_CENT_MEMORY_CD4_TCELL_UP, GSE3982_BCELL_VS_CENT_MEMORY_CD4_TCELL_UP
                                                                                                                                                    GSE24142_EARLY_THYMIC_PROGENITOR_VS_DN2_THYMOCYTE_UP, GSE24142_EARLY_THYMIC_PROGENITOR_VS_DN2_THYMOCYTE_UP
                                                                                                                                                    GSE17721_CPG_VS_GARDIQUIMOD_16H_BMDC_DN, GSE17721_CPG_VS_GARDIQUIMOD_16H_BMDC_DN
                                                                                                                                                    NAKAYA_PBMC_FLUMIST_AGE_18_50YO_7DY_IFN_SUBSET_UP, NAKAYA_PBMC_FLUMIST_AGE_18_50YO_7DY_IFN_SUBSET_UP
                                                                                                                                                    GSE10325_LUPUS_BCELL_VS_LUPUS_MYELOID_UP, GSE10325_LUPUS_BCELL_VS_LUPUS_MYELOID_UP
                                                                                                                                                    GSE9006_HEALTHY_VS_TYPE_2_DIABETES_PBMC_AT_DX_DN, GSE9006_HEALTHY_VS_TYPE_2_DIABETES_PBMC_AT_DX_DN
                                                                                                                                                    GSE339_EX_VIVO_VS_IN_CULTURE_CD4CD8DN_DC_DN, GSE339_EX_VIVO_VS_IN_CULTURE_CD4CD8DN_DC_DN
                                                                                                                                                    GSE29618_BCELL_VS_PDC_UP, GSE29618_BCELL_VS_PDC_UP
                                                                                                                                                    GSE40277_EOS_AND_LEF1_TRANSDUCED_VS_CTRL_CD4_TCELL_UP, GSE40277_EOS_AND_LEF1_TRANSDUCED_VS_CTRL_CD4_TCELL_UP
                                                                                                                                                    GSE3920_UNTREATED_VS_IFNA_TREATED_ENDOTHELIAL_CELL_DN, GSE3920_UNTREATED_VS_IFNA_TREATED_ENDOTHELIAL_CELL_DN
                                                                                                                                                    GSE20727_H2O2_VS_ROS_INHIBITOR_TREATED_DC_UP, GSE20727_H2O2_VS_ROS_INHIBITOR_TREATED_DC_UP
                                                                                                                                                    GSE21927_SPLEEN_VS_C26GM_TUMOR_MONOCYTE_BALBC_DN, GSE21927_SPLEEN_VS_C26GM_TUMOR_MONOCYTE_BALBC_DN
                                                                                                                                                    GSE22886_TCELL_VS_BCELL_NAIVE_DN, GSE22886_TCELL_VS_BCELL_NAIVE_DN
                                                                                                                                                    GSE30153_LUPUS_VS_HEALTHY_DONOR_BCELL_UP, GSE30153_LUPUS_VS_HEALTHY_DONOR_BCELL_UP
                                                                                                                                                    GSE20366_CD103_POS_VS_NEG_TREG_KLRG1NEG_DN, GSE20366_CD103_POS_VS_NEG_TREG_KLRG1NEG_DN
                                                                                                                                                    GSE17721_PAM3CSK4_VS_CPG_16H_BMDC_UP, GSE17721_PAM3CSK4_VS_CPG_16H_BMDC_UP
                                                                                                                                                    GSE19772_CTRL_VS_HCMV_INF_MONOCYTES_AND_PI3K_INHIBITION_UP, GSE19772_CTRL_VS_HCMV_INF_MONOCYTES_AND_PI3K_INHIBITION_UP
                                                                                                                                                    GSE40274_FOXP3_VS_FOXP3_AND_LEF1_TRANSDUCED_ACTIVATED_CD4_TCELL_DN, GSE40274_FOXP3_VS_FOXP3_AND_LEF1_TRANSDUCED_ACTIVATED_CD4_TCELL_DN
                                                                                                                                                    GSE36527_CD62L_HIGH_CD69_NEG_VS_CD62L_LOW_CD69_POS_TREG_KLRG1_NEG_UP, GSE36527_CD62L_HIGH_CD69_NEG_VS_CD62L_LOW_CD69_POS_TREG_KLRG1_NEG_UP
                                                                                                                                                    GSE10240_CTRL_VS_IL17_AND_IL22_STIM_PRIMARY_BRONCHIAL_EPITHELIAL_CELLS_DN, GSE10240_CTRL_VS_IL17_AND_IL22_STIM_PRIMARY_BRONCHIAL_EPITHELIAL_CELLS_DN
                                                                                                                                                    GSE2770_UNTREATED_VS_IL12_TREATED_ACT_CD4_TCELL_6H_UP, GSE2770_UNTREATED_VS_IL12_TREATED_ACT_CD4_TCELL_6H_UP
                                                                                                                                                    GSE9037_WT_VS_IRAK4_KO_BMDM_UP, GSE9037_WT_VS_IRAK4_KO_BMDM_UP
                                                                                                                                                    GSE16450_CTRL_VS_IFNA_6H_STIM_IMMATURE_NEURON_CELL_LINE_UP, GSE16450_CTRL_VS_IFNA_6H_STIM_IMMATURE_NEURON_CELL_LINE_UP
                                                                                                                                                    GSE40274_FOXP3_VS_FOXP3_AND_PBX1_TRANSDUCED_ACTIVATED_CD4_TCELL_UP, GSE40274_FOXP3_VS_FOXP3_AND_PBX1_TRANSDUCED_ACTIVATED_CD4_TCELL_UP
                                                                                                                                                    GSE5099_MONOCYTE_VS_ALTERNATIVE_M2_MACROPHAGE_DN, GSE5099_MONOCYTE_VS_ALTERNATIVE_M2_MACROPHAGE_DN
                                                                                                                                                    NAKAYA_MONOCYTE_FLUARIX_FLUVIRIN_AGE_18_50YO_7DY_UP, NAKAYA_MONOCYTE_FLUARIX_FLUVIRIN_AGE_18_50YO_7DY_UP
                                                                                                                                                    GSE22886_CD4_TCELL_VS_BCELL_NAIVE_DN, GSE22886_CD4_TCELL_VS_BCELL_NAIVE_DN
                                                                                                                                                    GSE21927_BALBC_VS_C57BL6_MONOCYTE_TUMOR_DN, GSE21927_BALBC_VS_C57BL6_MONOCYTE_TUMOR_DN
                                                                                                                                                    GSE2706_2H_VS_8H_R848_AND_LPS_STIM_DC_DN, GSE2706_2H_VS_8H_R848_AND_LPS_STIM_DC_DN
                                                                                                                                                    GSE32901_TH17_EMRICHED_VS_TH17_NEG_CD4_TCELL_DN, GSE32901_TH17_EMRICHED_VS_TH17_NEG_CD4_TCELL_DN
                                                                                                                                                    GSE13547_2H_VS_12_H_ANTI_IGM_STIM_ZFX_KO_BCELL_UP, GSE13547_2H_VS_12_H_ANTI_IGM_STIM_ZFX_KO_BCELL_UP
                                                                                                                                                    GSE37301_HEMATOPOIETIC_STEM_CELL_VS_COMMON_LYMPHOID_PROGENITOR_DN, GSE37301_HEMATOPOIETIC_STEM_CELL_VS_COMMON_LYMPHOID_PROGENITOR_DN
                                                                                                                                                    GSE40277_GATA1_AND_SATB1_TRANSDUCED_VS_CTRL_CD4_TCELL_DN, GSE40277_GATA1_AND_SATB1_TRANSDUCED_VS_CTRL_CD4_TCELL_DN
                                                                                                                                                    GSE25123_CTRL_VS_ROSIGLITAZONE_STIM_PPARG_KO_MACROPHAGE_DN, GSE25123_CTRL_VS_ROSIGLITAZONE_STIM_PPARG_KO_MACROPHAGE_DN
                                                                                                                                                    GSE37301_COMMON_LYMPHOID_PROGENITOR_VS_RAG2_KO_NK_CELL_DN, GSE37301_COMMON_LYMPHOID_PROGENITOR_VS_RAG2_KO_NK_CELL_DN
                                                                                                                                                    GSE41867_DAY15_EFFECTOR_VS_DAY30_MEMORY_CD8_TCELL_LCMV_ARMSTRONG_DN, GSE41867_DAY15_EFFECTOR_VS_DAY30_MEMORY_CD8_TCELL_LCMV_ARMSTRONG_DN
                                                                                                                                                    GSE15659_NAIVE_CD4_TCELL_VS_RESTING_TREG_UP, GSE15659_NAIVE_CD4_TCELL_VS_RESTING_TREG_UP
                                                                                                                                                    GSE13484_3H_UNSTIM_VS_YF17D_VACCINE_STIM_PBMC_DN, GSE13484_3H_UNSTIM_VS_YF17D_VACCINE_STIM_PBMC_DN
                                                                                                                                                    GSE11057_EFF_MEM_VS_CENT_MEM_CD4_TCELL_DN, GSE11057_EFF_MEM_VS_CENT_MEM_CD4_TCELL_DN
                                                                                                                                                    GSE13547_WT_VS_ZFX_KO_BCELL_UP, GSE13547_WT_VS_ZFX_KO_BCELL_UP
                                                                                                                                                    GSE15930_NAIVE_VS_72H_IN_VITRO_STIM_IL12_CD8_TCELL_UP, GSE15930_NAIVE_VS_72H_IN_VITRO_STIM_IL12_CD8_TCELL_UP
                                                                                                                                                    GSE13229_IMM_VS_MATURE_NKCELL_UP, GSE13229_IMM_VS_MATURE_NKCELL_UP
                                                                                                                                                    GSE11961_FOLLICULAR_BCELL_VS_MARGINAL_ZONE_BCELL_UP, GSE11961_FOLLICULAR_BCELL_VS_MARGINAL_ZONE_BCELL_UP
                                                                                                                                                    GSE43955 1H_VS_10H_ACT_CD4_TCELL_WITH_TGFB_IL6_DN, GSE43955_1H_VS_10H_ACT_CD4_TCELL_WITH_TGFB_IL6_DN
                                                                                                                                                    GSE20715_WT_VS_TLR4_KO_LUNG_UP, GSE20715_WT_VS_TLR4_KO_LUNG_UP
                                                                                                                                                    GSE32901_NAIVE_VS_TH1_CD4_TCELL_DN, GSE32901_NAIVE_VS_TH1_CD4_TCELL_DN
                                                                                                                                                    GSE22935_WT_VS_MYD88_KO_MACROPHAGE_DN, GSE22935_WT_VS_MYD88_KO_MACROPHAGE_DN
                                                                                                                                                    GSE19888_ADENOSINE_A3R_INH_VS_ACT_WITH_INHIBITOR_PRETREATMENT_IN_MAST_CELL_DN, GSE19888_ADENOSINE_A3R_INH_VS_ACT_WITH_INHIBITOR_PRETREATMENT_INHIBITOR_PRETREATMENT_INHIBITOR_PRETREATMENT_INHIBITOR_PRETREATMENT_INHIBITOR_PRETREATMENT_INHIBITOR_PRETREATMENT_INHIBITOR_PRETREATMENT_INHIBITOR_PRETREATMENT_INHIBITOR_PRETREATMENT_INHIBITOR_PRETREATMENT_INHIBITOR_PRETREATMENT_INHIBITOR_PRETREATMENT_INHIBITOR_PRETREATMENT_INHIBITOR_PRETREATMENT_INHIBITOR_PRETREATMENT_INHIBITOR_PRETREATMENT_INHIBITOR_PRETREATMENT_INHIBITOR_PRETREATMENT_INHIBITOR_PRETREATMENT_INHIBITOR_PRETREATMENT_INHIBITOR_PRETREATMENT_INHIBITOR_PRETREATMENT_INHIBITOR_PRETREATMENT_INHIBITOR_PRETREATMENT_INHIBITOR_
                                                                                                                                                    GSE42021_TREG_PLN_VS_TREG_PRECURSORS_THYMUS_UP, GSE42021_TREG_PLN_VS_TREG_PRECURSORS_THYMUS_UP
                                                                                                                                                    GSE3982 BCELL VS NKCELL DN, GSE3982 BCELL VS NKCELL DN
                                                                                                                                                    GSE7460_CTRL_VS_TGFB_TREATED_ACT_FOXP3_MUT_TCONV_UP, GSE7460_CTRL_VS_TGFB_TREATED_ACT_FOXP3_MUT_TCONV_UP
                                                                                                                                                    GSE360_L_MAJOR_VS_T_GONDII_MAC_UP, GSE360_L_MAJOR_VS_T_GONDII_MAC_UP
                                                                                                                                                    GSE16450_CTRL_VS_IFNA_12H_STIM_MATURE_NEURON_CELL_LINE_UP, GSE16450_CTRL_VS_IFNA_12H_STIM_MATURE_NEURON_CELL_LINE_UP
                                                                                                                                                    GSE4748_CYANOBACTERIUM_LPSLIKE_VS_LPS_AND_CYANOBACTERIUM_LPSLIKE_STIM_DC_3H_UP, GSE4748_CYANOBACTERIUM_LPSLIKE_VS_LPS_AND_CYANOBACTERIUM_LPSLIKE_
                                                                                                                                                    GSE11961_MARGINAL_ZONE_BCELL_VS_PLASMA_CELL_DAY7_UP, GSE11961_MARGINAL_ZONE_BCELL_VS_PLASMA_CELL_DAY7_UP
                                                                                                                                                    GSE29164_CD8_TCELL_VS_CD8_TCELL_AND_IL12_TREATED_MELANOMA_DAY7_DN, GSE29164_CD8_TCELL_VS_CD8_TCELL_AND_IL12_TREATED_MELANOMA_DAY7_DN
                                                                                                                                                    GSE43863_NAIVE_VS_TH1_EFF_CD4_TCELL_D6_LCMV_DN, GSE43863_NAIVE_VS_TH1_EFF_CD4_TCELL_D6_LCMV_DN
                                                                                                                                                    GSE2826_WT_VS_BTK_KO_BCELL_DN, GSE2826_WT_VS_BTK_KO_BCELL_DN
                                                                                                                                                    GSE10325 LUPUS CD4 TCELL VS LUPUS BCELL UP, GSE10325 LUPUS CD4 TCELL VS LUPUS BCELL UP
                                                                                                                                                    GSE2770_UNTREATED_VS_TGFB_AND_IL12_TREATED_ACT_CD4_TCELL_2H_DN, GSE2770_UNTREATED_VS_TGFB_AND_IL12_TREATED_ACT_CD4_TCELL_2H_DN
                                                                                                                                                    GSE360 CTRL_VS_B_MALAYI_LOW_DOSE_DC_DN, GSE360_CTRL_VS_B_MALAYI_LOW_DOSE_DC_DN
                                                                                                                                                    GSE15930 STIM VS STIM AND TRICHOSTATINA 72H CD8 T CELL DN, GSE15930 STIM VS STIM AND TRICHOSTATINA 72H CD8 T CELL DN
                                                                                                                                                    GSE22886_NAIVE_VS_MEMORY_TCELL_UP, GSE22886_NAIVE_VS_MEMORY_TCELL_UP
                                                                                                                                                    GSE21670 STAT3 KO VS WT CD4 TCELL TGFB TREATED DN, GSE21670 STAT3 KO VS WT CD4 TCELL TGFB TREATED DN
                                                                                                                                                    GSE23502_BM_VS_COLON_TUMOR_MYELOID_DERIVED_SUPPRESSOR_CELL_UP, GSE23502_BM_VS_COLON_TUMOR_MYELOID_DERIVED_SUPPRESSOR_CELL_UP
                                                                                                                                                    GSE2585_CTEC_VS_MTEC_THYMUS_UP, GSE2585_CTEC_VS_MTEC_THYMUS_UP
                                                                                                                                                    GSE1460_INTRATHYMIC_T_PROGENITOR_VS_NAIVE_CD4_TCELL_CORD_BLOOD_DN, GSE1460_INTRATHYMIC_T_PROGENITOR_VS_NAIVE_CD4_TCELL_CORD_BLOOD_DN
                                                                                                                                                    GSE360_T_GONDII_VS_B_MALAYI_HIGH_DOSE_DC_UP, GSE360_T_GONDII_VS_B_MALAYI_HIGH_DOSE_DC_UP
                                                                                                                                                    GSE17721_POLYIC_VS_PAM3CSK4_2H_BMDC_DN, GSE17721_POLYIC_VS_PAM3CSK4_2H_BMDC_DN
                                                                                                                                                    GSE36078_UNTREATED_VS_AD5_INF_MOUSE_LUNG_DC_UP, GSE36078_UNTREATED_VS_AD5_INF_MOUSE_LUNG_DC_UP
                                                                                                                                                    GSE2706_R848_VS_LPS_8H_STIM_DC_DN, GSE2706_R848_VS_LPS_8H_STIM_DC_DN
                                                                                                                                                    GSE22886_NAIVE_CD8_TCELL_VS_MONOCYTE_UP, GSE22886_NAIVE_CD8_TCELL_VS_MONOCYTE_UP
                                                                                                                                                   GSE2770_UNTREATED_VS_TGFB_AND_IL12_TREATED_ACT_CD4_TCELL_6H_DN, GSE2770_UNTREATED_VS_TGFB_AND_IL12_TREATED_ACT_CD4_TCELL_6H_DN
                                                                                                                                                    GSE20715_WT_VS_TLR4_KO_LUNG_DN, GSE20715_WT_VS_TLR4_KO_LUNG_DN
                                                                                                                                                    GSE19941_UNSTIM_VS_LPS_AND_IL10_STIM_IL10_KO_NFKBP50_KO_MACROPHAGE_DN, GSE19941_UNSTIM_VS_LPS_AND_IL10_STIM_IL10_KO_NFKBP50_KO_MACROPHAGE_DN
                                                                                                                                                    GSE17721_LPS_VS_GARDIQUIMOD_24H_BMDC_UP, GSE17721_LPS_VS_GARDIQUIMOD_24H_BMDC_UP
                                                                                                                                                    GSE360_CTRL_VS_L_MAJOR_DC_DN, GSE360_CTRL_VS_L_MAJOR_DC_DN
                                                                                                                                                    GSE18281_CORTICAL_VS_MEDULLARY_THYMOCYTE_DN, GSE18281_CORTICAL_VS_MEDULLARY_THYMOCYTE_DN
                                                                                                                                                    GSE41867_DAY6_VS_DAY15_LCMV_ARMSTRONG_EFFECTOR_CD8_TCELL_UP, GSE41867_DAY6_VS_DAY15_LCMV_ARMSTRONG_EFFECTOR_CD8_TCELL_UP
                                                                                                                                                    GSE24634_NAIVE_CD4_TCELL_VS_DAY10_IL4_CONV_TREG_UP, GSE24634_NAIVE_CD4_TCELL_VS_DAY10_IL4_CONV_TREG_UP
                                                                                                                                                    GSE360_CTRL_VS_B_MALAYI_HIGH_DOSE_DC_DN, GSE360_CTRL_VS_B_MALAYI_HIGH_DOSE_DC_DN
                                                                                                                                                    GSE13946_CTRL_VS_DSS_COLITIS_GD_TCELL_FROM_COLON_DN, GSE13946_CTRL_VS_DSS_COLITIS_GD_TCELL_FROM_COLON_DN
                                                                                                                                                    GSE14000_UNSTIM_VS_4H_LPS_DC_TRANSLATED_RNA_DN, GSE14000_UNSTIM_VS_4H_LPS_DC_TRANSLATED_RNA_DN
                                                                                                                                                    GSE21360_PRIMARY_VS_SECONDARY_MEMORY_CD8_TCELL_DN, GSE21360_PRIMARY_VS_SECONDARY_MEMORY_CD8_TCELL_DN
                                                                                                                                                    GSE18281_SUBCAPSULAR_VS_PERIMEDULLARY_CORTICAL_REGION_OF_THYMUS_DN, GSE18281_SUBCAPSULAR_VS_PERIMEDULLARY_CORTICAL_REGION_OF_THYMUS_DN
                                                                                                                                                    GSE41176_UNSTIM_VS_ANTI_IGM_STIM_BCELL_3H_UP, GSE41176_UNSTIM_VS_ANTI_IGM_STIM_BCELL_3H_UP
                                                                                                                                                    GSE15930_STIM_VS_STIM_AND_IL12_72H_CD8_T_CELL_DN, GSE15930_STIM_VS_STIM_AND_IL12_72H_CD8_T_CELL_DN
                                                                                                                                                    GSE25088_WT_VS_STAT6_KO_MACROPHAGE_ROSIGLITAZONE_AND_IL4_STIM_DN, GSE25088_WT_VS_STAT6_KO_MACROPHAGE_ROSIGLITAZONE_AND_IL4_STIM_DN
                                                                                                                                                    GSE16385_IFNG_TNF_VS_IL4_STIM_MACROPHAGE_DN, GSE16385_IFNG_TNF_VS_IL4_STIM_MACROPHAGE_DN
                                                                                                                                                    GSE3982_DC_VS_NEUTROPHIL_LPS_STIM_DN, GSE3982_DC_VS_NEUTROPHIL_LPS_STIM_DN
                                                                                                                                                    GSE24574_BCL6_LOW_TFH_VS_TCONV_CD4_TCELL_UP, GSE24574_BCL6_LOW_TFH_VS_TCONV_CD4_TCELL_UP
                                                                                                                                                    GSE6269_E_COLI_VS_STREP_PNEUMO_INF_PBMC_UP, GSE6269_E_COLI_VS_STREP_PNEUMO_INF_PBMC_UP
                                                                                                                                                    GSE10325_LUPUS_CD4_TCELL_VS_LUPUS_BCELL_DN, GSE10325_LUPUS_CD4_TCELL_VS_LUPUS_BCELL_DN
                                                                                                                                                    GSE41176_UNSTIM_VS_ANTI_IGM_STIM_BCELL_24H_UP, GSE41176_UNSTIM_VS_ANTI_IGM_STIM_BCELL_24H_UP
                                                                                                                                                    GSE21927_EL4_VS_MCA203_TUMOR_MONOCYTES_UP, GSE21927_EL4_VS_MCA203_TUMOR_MONOCYTES_UP
                                                                                                                                                    GSE29164_DAY3_VS_DAY7_CD8_TCELL_AND_IL12_TREATED_MELANOMA_DN, GSE29164_DAY3_VS_DAY7_CD8_TCELL_AND_IL12_TREATED_MELANOMA_DN
                                                                                                                                                   GSE3400_UNTREATED_VS_IFNB_TREATED_MEF_DN, GSE3400_UNTREATED_VS_IFNB_TREATED_MEF_DN
NZA_AGE_21_30YO_NONRESPONDER_28DY_UP, THAKAR_PBMC_INACTIVATED_INFLUENZA_AGE_21_30YO_NONRESPONDER_28DY_UP
                                                                                                                                                    GSE17721_LPS_VS_PAM3CSK4_2H_BMDC_UP, GSE17721_LPS_VS_PAM3CSK4_2H_BMDC_UP
                                                                                                                                                    GSE22886_NAIVE_CD4_TCELL_VS_MONOCYTE_UP, GSE22886_NAIVE_CD4_TCELL_VS_MONOCYTE_UP
                                                                                                                                                    GSE22601_DOUBLE_NEGATIVE_VS_IMMATURE_CD4_SP_THYMOCYTE_DN, GSE22601_DOUBLE_NEGATIVE_VS_IMMATURE_CD4_SP_THYMOCYTE_DN
                                                                                                                                                    GSE29164_UNTREATED_VS_CD8_TCELL_TREATED_MELANOMA_DAY7_DN, GSE29164_UNTREATED_VS_CD8_TCELL_TREATED_MELANOMA_DAY7_DN
                                                                                                                                                    GSE2706_LPS_VS_R848_AND_LPS_8H_STIM_DC_DN, GSE2706_LPS_VS_R848_AND_LPS_8H_STIM_DC_DN
                                                                                                                                                    GSE9316_CD4_TCELL_BALBC_VS_TH17_ENRI_CD4_TCELL_SKG_PMA_IONO_STIM_FR4NEG_UP, GSE9316_CD4_TCELL_BALBC_VS_TH17_ENRI_CD4_TCELL_SKG_PMA_IONO_STIM_FR4NEG_UP
                                                                                                                                                    GSE29949_MICROGLIA_BRAIN_VS_MONOCYTE_BONE_MARROW_UP, GSE29949_MICROGLIA_BRAIN_VS_MONOCYTE_BONE_MARROW_UP
                                                                                                                                                    CAO_BLOOD_FLUMIST_AGE_05_14YO_30DY_DN, CAO_BLOOD_FLUMIST_AGE_05_14YO_30DY_DN
                                                                                                                                                    GSE24492_LYVE_NEG_VS_POS_MACROPHAGE_DN, GSE24492_LYVE_NEG_VS_POS_MACROPHAGE_DN
                                                                                                                                                    GSE16385_UNTREATED_VS_12H_IFNG_TNF_TREATED_MACROPHAGE_UP, GSE16385_UNTREATED_VS_12H_IFNG_TNF_TREATED_MACROPHAGE_UP
                                                                                                                                                    GSE29618 BCELL VS MONOCYTE DAY7 FLU VACCINE UP, GSE29618 BCELL VS MONOCYTE DAY7 FLU VACCINE UP
                                                                                                                                                    GSE11961_FOLLICULAR_BCELL_VS_MARGINAL_ZONE_BCELL_DN, GSE11961_FOLLICULAR_BCELL_VS_MARGINAL_ZONE_BCELL_DN
                                                                                                                                                    GSE2706_UNSTIM_VS_2H_LPS_DC_DN, GSE2706_UNSTIM_VS_2H_LPS_DC_DN
                                                                                                                                                    GSE17721_CPG_VS_GARDIQUIMOD_16H_BMDC_UP, GSE17721_CPG_VS_GARDIQUIMOD_16H_BMDC_UP
                                                                                                                                                    GSE43955_1H_VS_60H_ACT_CD4_TCELL_DN, GSE43955_1H_VS_60H_ACT_CD4_TCELL_DN
                                                                                                                                                    GSE43863 NAIVE VS MEMORY TH1 CD4 TCELL D150 LCMV UP, GSE43863 NAIVE VS MEMORY TH1 CD4 TCELL D150 LCMV UP
                                                                                                                                                    GSE15659_RESTING_TREG_VS_NONSUPPRESSIVE_TCELL_DN, GSE15659_RESTING_TREG_VS_NONSUPPRESSIVE_TCELL_DN
                                                                                                                                                    GSE5503_LIVER_DC_VS_MLN_DC_ACTIVATED_ALLOGENIC_TCELL_UP, GSE5503_LIVER_DC_VS_MLN_DC_ACTIVATED_ALLOGENIC_TCELL_UP
                                                                                                                                                    GSE22611_UNSTIM_VS_6H_MDP_STIM_NOD2_TRANSDUCED_HEK293T_CELL_DN, GSE22611_UNSTIM_VS_6H_MDP_STIM_NOD2_TRANSDUCED_HEK293T_CELL_DN
                                                                                                                                                    GSE360 T GONDII VS M TUBERCULOSIS DC DN, GSE360 T GONDII VS M TUBERCULOSIS DC DN
                                                                                                                                                    GSE41176_UNSTIM_VS_ANTI_IGM_STIM_TAK1_KO_BCELL_1H_DN, GSE41176_UNSTIM_VS_ANTI_IGM_STIM_TAK1_KO_BCELL_1H_DN
                                                                                                                                                    GSE41176_UNSTIM_VS_ANTI_IGM_STIM_TAK1_KO_BCELL_3H_UP, GSE41176_UNSTIM_VS_ANTI_IGM_STIM_TAK1_KO_BCELL_3H_UP
                                                                                                                                                    GSE43863 NAIVE VS LY6C LOW CXCR5NEG CD4 EFF TCELL D6 LCMV UP, GSE43863 NAIVE VS LY6C LOW CXCR5NEG CD4 EFF TCELL D6 LCMV UP
                                                                                                                                                    GSE3982_BCELL_VS_BASOPHIL_DN, GSE3982_BCELL_VS_BASOPHIL_DN
                                                                                                                                                    GSE360_L_MAJOR_VS_T_GONDII_DC_UP, GSE360_L_MAJOR_VS_T_GONDII_DC_UP
                                                                                                                                                   GSE27786_CD8_TCELL_VS_ERYTHROBLAST_DN, GSE27786_CD8_TCELL_VS_ERYTHROBLAST_DN
                                                                                                                                                    GSE17721_0.5H_VS_4H_LPS_BMDC_DN, GSE17721_0.5H_VS_4H_LPS_BMDC_DN
                                                                                                                                                    GSE2770_UNTREATED_VS_TGFB_AND_IL12_TREATED_ACT_CD4_TCELL_2H_UP, GSE2770_UNTREATED_VS_TGFB_AND_IL12_TREATED_ACT_CD4_TCELL_2H_UP
                                                                                                                                                    GSE34156 UNTREATED VS 24H NOD2 AND TLR1 TLR2 LIGAND TREATED MONOCYTE UP, GSE34156 UNTREATED VS 24H NOD2 AND TLR1 TLR2 LIGAND TREATED MONOCYTE U
                                                                                                                                                    GSE22886 NAIVE CD4 TCELL VS NKCELL UP, GSE22886 NAIVE CD4 TCELL VS NKCELL UP
                                                                                                                                                    GSE21927_HEALTHY_VS_TUMOROUS_BALBC_MOUSE_MONOCYTE_DN, GSE21927_HEALTHY_VS_TUMOROUS_BALBC_MOUSE_MONOCYTE_DN
                                                                                                                                                    GSE24142_DN2_VS_DN3_THYMOCYTE_ADULT_UP, GSE24142_DN2_VS_DN3_THYMOCYTE_ADULT_UP
                                                                                                                                                    GSE37416_CTRL_VS_0H_F_TULARENSIS_LVS_NEUTROPHIL_UP, GSE37416_CTRL_VS_0H_F_TULARENSIS_LVS_NEUTROPHIL_UP
                                                                                                                                                    GSE22611_NOD2_TRANSD_VS_CTRL_TRANSD_HEK293_MDP_STIM_6H_DN, GSE22611_NOD2_TRANSD_VS_CTRL_TRANSD_HEK293_MDP_STIM_6H_DN
                                                                                                                                                    GSE40274_FOXP3_VS_FOXP3_AND_XBP1_TRANSDUCED_ACTIVATED_CD4_TCELL_UP, GSE40274_FOXP3_VS_FOXP3_AND_XBP1_TRANSDUCED_ACTIVATED_CD4_TCELL_UP
                                                                                                                                                    GSE32164 RESTING DIFFERENTIATED VS CMYC INHIBITED MACROPHAGE UP, GSE32164 RESTING DIFFERENTIATED VS CMYC INHIBITED MACROPHAGE UP
                                                                                                                                                    GSE5099 MONOCYTE VS ALTERNATIVE M2 MACROPHAGE UP, GSE5099 MONOCYTE VS ALTERNATIVE M2 MACROPHAGE UP
                                                                                                                                                    GSE12845_IGD_POS_VS_NEG_BLOOD_BCELL_UP, GSE12845_IGD_POS_VS_NEG_BLOOD_BCELL_UP
                                                                                                                                                    GSE33374_CD8_ALPHAALPHA_VS_ALPHABETA_CD161_HIGH_TCELL_UP, GSE33374_CD8_ALPHAALPHA_VS_ALPHABETA_CD161_HIGH_TCELL_UP
                                                                                                                                                    GSE22589_SIV_VS_HIV_AND_SIV_INFECTED_DC_UP, GSE22589_SIV_VS_HIV_AND_SIV_INFECTED_DC_UP
                                                                                                                                                    GSE14415_INDUCED_VS_NATURAL_TREG_UP, GSE14415_INDUCED_VS_NATURAL_TREG_UP
                                                                                                                                                    GSE12366 GC BCELL VS PLASMA CELL DN, GSE12366 GC BCELL VS PLASMA CELL DN
                                                                                                                                                    GSE42088_2H_VS_24H_LEISHMANIA_INF_DC_DN, GSE42088_2H_VS_24H_LEISHMANIA_INF_DC_DN
                                                                                                                                                    GSE360_L_DONOVANI_VS_L_MAJOR_DC_DN, GSE360_L_DONOVANI_VS_L_MAJOR_DC_DN
                                                                                                                                                    GSE9006_HEALTHY_VS_TYPE_1_DIABETES_PBMC_1MONTH_POST_DX_DN, GSE9006_HEALTHY_VS_TYPE_1_DIABETES_PBMC_1MONTH_POST_DX_DN
                                                                                                                                                    GSE29618_BCELL_VS_MONOCYTE_UP, GSE29618_BCELL_VS_MONOCYTE_UP
                                                                                                                                                    GSE2706 LPS VS R848 AND LPS 2H STIM DC UP, GSE2706 LPS VS R848 AND LPS 2H STIM DC UP
                                                                                                                                                    GSE15330_HSC_VS_MEGAKARYOCYTE_ERYTHROID_PROGENITOR_DN, GSE15330_HSC_VS_MEGAKARYOCYTE_ERYTHROID_PROGENITOR_DN
                                                                                                                                                    GSE1925_CTRL_VS_3H_IFNG_STIM_MACROPHAGE_DN, GSE1925_CTRL_VS_3H_IFNG_STIM_MACROPHAGE_DN
                                                                                                                                                    GSE21927_GMCSF_IL6_VS_GMCSF_GCSF_TREATED_BONE_MARROW_UP, GSE21927_GMCSF_IL6_VS_GMCSF_GCSF_TREATED_BONE_MARROW_UP
                                                                                                                                                    GSE22611 UNSTIM VS 2H MDP STIM NOD2 TRANSDUCED HEK293T CELL DN, GSE22611 UNSTIM VS 2H MDP STIM NOD2 TRANSDUCED HEK293T CELL DN
                                                                                                                                                    GSE36078 WT_VS_IL1R_KO_LUNG_DC_AFTER_AD5_INF_UP, GSE36078 WT_VS_IL1R_KO_LUNG_DC_AFTER_AD5_INF_UP
                                                                                                                                                    GSE16386_IL4_VS_IL4_AND_ROSIGLITAZONE_STIM_MACROPHAGE_6H_DN, GSE16386_IL4_VS_IL4_AND_ROSIGLITAZONE_STIM_MACROPHAGE_6H_DN
                                                                                                                                                    GSE18281 CORTEX VS MEDULLA THYMUS UP, GSE18281 CORTEX VS MEDULLA THYMUS UP
                                                                                                                                                    GSE1112_OT1_CD8AB_VS_HY_CD8AA_THYMOCYTE_RTOC_CULTURE_DN, GSE1112_OT1_CD8AB_VS_HY_CD8AA_THYMOCYTE_RTOC_CULTURE_DN
                                                                                                                                                    GSE19888_ADENOSINE_A3R_ACT_VS_TCELL_MEMBRANES_ACT_IN_MAST_CELL_UP, GSE19888_ADENOSINE_A3R_ACT_VS_TCELL_MEMBRANES_ACT_IN_MAST_CELL_UP
                                                                                                                                                    GSE6259 FLT3L INDUCED DEC205 POS DC VS BCELL UP, GSE6259 FLT3L INDUCED DEC205 POS DC VS BCELL UP
                                                                                                                                                    GSE37301_HEMATOPOIETIC_STEM_CELL_VS_MULTIPOTENT_PROGENITOR_UP, GSE37301_HEMATOPOIETIC_STEM_CELL_VS_MULTIPOTENT_PROGENITOR_UP
                                                                                                                                                    GSE29949_CD8_NEG_DC_SPLEEN_VS_DC_BRAIN_UP, GSE29949_CD8_NEG_DC_SPLEEN_VS_DC_BRAIN_UP
                                                                                                                                                    GSE16450 IMMATURE VS MATURE NEURON CELL LINE 6H IFNA STIM DN, GSE16450 IMMATURE VS MATURE NEURON CELL LINE 6H IFNA STIM DN
                                                                                                                                                    GSE20366_TREG_VS_NAIVE_CD4_TCELL_DN, GSE20366_TREG_VS_NAIVE_CD4_TCELL_DN
                                                                                                                                                    GSE17721_PAM3CSK4_VS_GADIQUIMOD_1H_BMDC_UP, GSE17721_PAM3CSK4_VS_GADIQUIMOD_1H_BMDC_UP
                                                                                                                                                    GSE15624_CTRL_VS_6H_HALOFUGINONE_TREATED_CD4_TCELL_UP, GSE15624_CTRL_VS_6H_HALOFUGINONE_TREATED_CD4_TCELL_UP
                                                                                                                                                    CAO_BLOOD_FLUZONE_AGE_05_14YO_30DY_DN, CAO_BLOOD_FLUZONE_AGE_05_14YO_30DY_DN
                                                                                                                                                    GSE15659_NAIVE_VS_PTPRC_NEG_CD4_TCELL_UP, GSE15659_NAIVE_VS_PTPRC_NEG_CD4_TCELL_UP
                                                                                                                                                    GSE40274 FOXP3_VS_FOXP3_AND_SATB1_TRANSDUCED_ACTIVATED_CD4_TCELL_UP, GSE40274_FOXP3_VS_FOXP3_AND_SATB1_TRANSDUCED_ACTIVATED_CD4_TCELL_UP
                                                                                                                                                    GSE22589_HEALTHY_VS_SIV_INFECTED_DC_DN, GSE22589_HEALTHY_VS_SIV_INFECTED_DC_DN
                                                                                                                                                    GSE15659_TREG_VS_TCONV_UP, GSE15659_TREG_VS_TCONV_UP
                                                                                                                                                    GSE23505_UNTREATED_VS_4DAY_IL6_IL1_TREATED_CD4_TCELL_DN, GSE23505_UNTREATED_VS_4DAY_IL6_IL1_TREATED_CD4_TCELL_DN
                                                                                                                                                    GSE41176_WT_VS_TAK1_KO_ANTI_IGM_STIM_BCELL_3H_UP, GSE41176_WT_VS_TAK1_KO_ANTI_IGM_STIM_BCELL_3H_UP
                                                                                                                                                    GSE14415_FOXP3_KO_NATURAL_TREG_VS_TCONV_UP, GSE14415_FOXP3_KO_NATURAL_TREG_VS_TCONV_UP
                                                                                                                                                    GSE22601_DOUBLE_NEGATIVE_VS_CD8_SINGLE_POSITIVE_THYMOCYTE_UP, GSE22601_DOUBLE_NEGATIVE_VS_CD8_SINGLE_POSITIVE_THYMOCYTE_UP
                                                                                                                                                    GSE45365_WT_VS_IFNAR_KO_CD11B_DC_MCMV_INFECTION_DN, GSE45365_WT_VS_IFNAR_KO_CD11B_DC_MCMV_INFECTION_DN
                                                                                                                                                    GSE2770_TGFB_AND_IL4_VS_IL4_TREATED_ACT_CD4_TCELL_2H_UP, GSE2770_TGFB_AND_IL4_VS_IL4_TREATED_ACT_CD4_TCELL_2H_UP
                                                                                                                                                    GSE40441_NRP1_POS_INDUCED_TREG_VS_NRP1_NEG_NATURAL_TREG_DN, GSE40441_NRP1_POS_INDUCED_TREG_VS_NRP1_NEG_NATURAL_TREG_DN
                                                                                                                                                    GSE39152_SPLEEN_CD103_NEG_VS_BRAIN_CD103_POS_MEMORY_CD8_TCELL_DN, GSE39152_SPLEEN_CD103_NEG_VS_BRAIN_CD103_POS_MEMORY_CD8_TCELL_DN
                                                                                                                                                    GSE1791_CTRL_VS_NEUROMEDINU_IN_T_CELL_LINE_12H_DN, GSE1791_CTRL_VS_NEUROMEDINU_IN_T_CELL_LINE_12H_DN
                                                                                                                                                    GSE29949_MICROGLIA_BRAIN_VS_CD8_NEG_DC_SPLEEN_DN, GSE29949_MICROGLIA_BRAIN_VS_CD8_NEG_DC_SPLEEN_DN
                                                                                                                                                    GSE25677_R848_VS_MPL_AND_R848_STIM_BCELL_UP, GSE25677_R848_VS_MPL_AND_R848_STIM_BCELL_UP
                                                                                                                                                    GSE37605_TREG_VS_TCONV_NOD_FOXP3_FUSION_GFP_UP, GSE37605_TREG_VS_TCONV_NOD_FOXP3_FUSION_GFP_UP
                                                                                                                                                    GSE17721 LPS VS POLYIC 2H BMDC UP, GSE17721 LPS VS POLYIC 2H BMDC UP
                                                                                                                                                    GSE14415_FOXP3_KO_NATURAL_TREG_VS_TCONV_DN, GSE14415_FOXP3_KO_NATURAL_TREG_VS_TCONV_DN
                                                                                                                                                    GSE13522_CTRL_VS_T_CRUZI_Y_STRAIN_INF_SKIN_129_MOUSE_UP, GSE13522_CTRL_VS_T_CRUZI_Y_STRAIN_INF_SKIN_129_MOUSE_UP
                                                                                                                                                    GSE28726_NAIVE_VS_ACTIVATED_VA24NEG_NKTCELL_DN, GSE28726_NAIVE_VS_ACTIVATED_VA24NEG_NKTCELL_DN
                                                                                                                                                    GSE12963_ENV_NEF_VS_ENV_NEF_AND_VPR_DEFICIENT_HIV1_INF_CD4_TCELL_DN, GSE12963_ENV_NEF_VS_ENV_NEF_AND_VPR_DEFICIENT_HIV1_INF_CD4_TCELL_DN
                                                                                                                                                    GSE29618_PRE_VS_DAY7_FLU_VACCINE_BCELL_UP, GSE29618_PRE_VS_DAY7_FLU_VACCINE_BCELL_UP
                                                                                                                                                    GSE29618_PRE_VS_DAY7_POST_LAIV_FLU_VACCINE_MONOCYTE_UP, GSE29618_PRE_VS_DAY7_POST_LAIV_FLU_VACCINE_MONOCYTE_UP
                                                                                                                                                    GSE22033_WT_VS_PPARG_KO_MEF_UP, GSE22033_WT_VS_PPARG_KO_MEF_UP
                                                                                                                                                    GSE26495_PD1HIGH_VS_PD1LOW_CD8_TCELL_UP, GSE26495_PD1HIGH_VS_PD1LOW_CD8_TCELL_UP
                                                                                                                                                    GSE18791_CTRL_VS_NEWCASTLE_VIRUS_DC_2H_DN, GSE18791_CTRL_VS_NEWCASTLE_VIRUS_DC_2H_DN
                                                                                                                                                    GSE18203_CTRL_VS_INTRATUMORAL_CPG_INJ_MC38_TUMOR_UP, GSE18203_CTRL_VS_INTRATUMORAL_CPG_INJ_MC38_TUMOR_UP
                                                                                                                                                    GSE22443_NAIVE_VS_ACT_AND_IL2_TREATED_CD8_TCELL_UP, GSE22443_NAIVE_VS_ACT_AND_IL2_TREATED_CD8_TCELL_UP
                                                                                                                                                    GSE12003_MIR223_KO_VS_WT_BM_PROGENITOR_8D_CULTURE_UP, GSE12003_MIR223_KO_VS_WT_BM_PROGENITOR_8D_CULTURE_UP
                                                                                                                                                    GSE40666_UNTREATED_VS_IFNA_STIM_STAT1_KO_CD8_TCELL_90MIN_UP, GSE40666_UNTREATED_VS_IFNA_STIM_STAT1_KO_CD8_TCELL_90MIN_UP
                                                                                                                                                    GSE10325_BCELL_VS_LUPUS_BCELL_UP, GSE10325_BCELL_VS_LUPUS_BCELL_UP
                                                                                                                                                    GSE1460_DP_THYMOCYTE_VS_NAIVE_CD4_TCELL_CORD_BLOOD_DN, GSE1460_DP_THYMOCYTE_VS_NAIVE_CD4_TCELL_CORD_BLOOD_DN
                                                                                                                                                    GSE32901_TH17_EMRICHED_VS_TH17_NEG_CD4_TCELL_UP, GSE32901_TH17_EMRICHED_VS_TH17_NEG_CD4_TCELL_UP
                                                                                                                                                    GSE46606_UNSTIM_VS_CD40L_IL2_IL5_1DAY_STIMULATED_IRF4HIGH_SORTED_BCELL_UP, GSE46606_UNSTIM_VS_CD40L_IL2_IL5_1DAY_STIMULATED_IRF4HIGH_SORTED_BCELL_UP
                                                                                                                                                    GSE21063_CTRL_VS_ANTI_IGM_STIM_BCELL_8H_UP, GSE21063_CTRL_VS_ANTI_IGM_STIM_BCELL_8H_UP
                                                                                                                                                    GSE14415_INDUCED_TREG_VS_FOXP3_KO_INDUCED_TREG_IL2_CULTURE_DN, GSE14415_INDUCED_TREG_VS_FOXP3_KO_INDUCED_TREG_IL2_CULTURE_DN
                                                                                                                                                    GSE36078_UNTREATED_VS_AD5_INF_IL1R_KO_MOUSE_LUNG_DC_UP, GSE36078_UNTREATED_VS_AD5_INF_IL1R_KO_MOUSE_LUNG_DC_UP
                                                                                                                                                    GSE19401_PAM2CSK4_VS_RETINOIC_ACID_STIM_FOLLICULAR_DC_DN, GSE19401_PAM2CSK4_VS_RETINOIC_ACID_STIM_FOLLICULAR_DC_DN
                                                                                                                                                    GSE3982_MEMORY_CD4_TCELL_VS_BCELL_UP, GSE3982_MEMORY_CD4_TCELL_VS_BCELL_UP
                                                                                                                                                    GSE7831_CPG_VS_INFLUENZA_STIM_PDC_4H_DN, GSE7831_CPG_VS_INFLUENZA_STIM_PDC_4H_DN
                                                                                                                                                    GSE36078_UNTREATED_VS_AD5_T425A_HEXON_INF_IL1R_KO_MOUSE_LUNG_DC_UP, GSE36078_UNTREATED_VS_AD5_T425A_HEXON_INF_IL1R_KO_MOUSE_LUNG_DC_UP
                                                                                                                                                    GSE15930_NAIVE_VS_72H_IN_VITRO_STIM_IFNAB_CD8_TCELL_UP, GSE15930_NAIVE_VS_72H_IN_VITRO_STIM_IFNAB_CD8_TCELL_UP
                                                                                                                                                    GSE15930_NAIVE_VS_72H_IN_VITRO_STIM_CD8_TCELL_UP, GSE15930_NAIVE_VS_72H_IN_VITRO_STIM_CD8_TCELL_UP
                                                                                                                                                    GSE26912_TUMORICIDAL_VS_CTRL_MACROPHAGE_UP, GSE26912_TUMORICIDAL_VS_CTRL_MACROPHAGE_UP
                                                                                                                                                    GSE16385_MONOCYTE_VS_12H_IFNG_TNF_TREATED_MACROPHAGE_DN, GSE16385_MONOCYTE_VS_12H_IFNG_TNF_TREATED_MACROPHAGE_DN
                                                                                                                                                    GSE14769 UNSTIM_VS_40MIN_LPS_BMDM_UP, GSE14769 UNSTIM_VS_40MIN_LPS_BMDM_UP
                                                                                                                                                    GSE16385_UNTREATED_VS_12H_ROSIGLITAZONE_TREATED_MACROPHAGE_DN, GSE16385_UNTREATED_VS_12H_ROSIGLITAZONE_TREATED_MACROPHAGE_DN
                                                                                                                                                    GSE43700_UNTREATED_VS_IL10_TREATED_PBMC_UP, GSE43700_UNTREATED_VS_IL10_TREATED_PBMC_UP
                                                                                                                                                    GSE37416_CTRL_VS_48H_F_TULARENSIS_LVS_NEUTROPHIL_UP, GSE37416_CTRL_VS_48H_F_TULARENSIS_LVS_NEUTROPHIL_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
                                                                                                                                                    GSE22935_UNSTIM_VS_12H_MBOVIS_BCG_STIM_MYD88_KO_MACROPHAGE_UP, GSE22935_UNSTIM_VS_12H_MBOVIS_BCG_STIM_MYD88_KO_MACROPHAGE_UP
                                                                                                                                                    GSE40685_NAIVE_CD4_TCELL_VS_FOXP3_KO_TREG_PRECURSOR_DN, GSE40685_NAIVE_CD4_TCELL_VS_FOXP3_KO_TREG_PRECURSOR_DN
                                                                                                                                                    GSE43955_TH0_VS_TGFB_IL6_TH17_ACT_CD4_TCELL_30H_UP, GSE43955_TH0_VS_TGFB_IL6_TH17_ACT_CD4_TCELL_30H_UP
                                                                                                                                                    GSE17721_PAM3CSK4_VS_CPG_24H_BMDC_UP, GSE17721_PAM3CSK4_VS_CPG_24H_BMDC_UP
                                                                                                                                                    GSE3982_CENT_MEMORY_CD4_TCELL_VS_NKCELL_UP, GSE3982_CENT_MEMORY_CD4_TCELL_VS_NKCELL_UP
                                                                                                                                                    GSE19941_LPS_VS_LPS_AND_IL10_STIM_IL10_KO_MACROPHAGE_DN, GSE19941_LPS_VS_LPS_AND_IL10_STIM_IL10_KO_MACROPHAGE_DN
                                                                                                                                                    GSE13306_TREG_VS_TCONV_UP, GSE13306_TREG_VS_TCONV_UP
                                                                                                                                                   GSE10422_WT_VS_BAFF_TRANSGENIC_LN_BCELL_DN, GSE10422_WT_VS_BAFF_TRANSGENIC_LN_BCELL_DN
                                                                                                                                                    GSE37301_COMMON_LYMPHOID_PROGENITOR_VS_RAG2_KO_NK_CELL_UP, GSE37301_COMMON_LYMPHOID_PROGENITOR_VS_RAG2_KO_NK_CELL_UP
                                                                                                                                                    GSE46606_UNSTIM_VS_CD40L_IL2_IL5_1DAY_STIMULATED_IRF4MID_SORTED_BCELL_DN, GSE46606_UNSTIM_VS_CD40L_IL2_IL5_1DAY_STIMULATED_IRF4MID_SORTED_BCELL_DN
                                                                                                                                                    GSE1460_NAIVE_CD4_TCELL_CORD_BLOOD_VS_THYMIC_STROMAL_CELL_UP, GSE1460_NAIVE_CD4_TCELL_CORD_BLOOD_VS_THYMIC_STROMAL_CELL_UP
                                                                                                                                                    GSE17721_CPG_VS_GARDIQUIMOD_2H_BMDC_UP, GSE17721_CPG_VS_GARDIQUIMOD_2H_BMDC_UP
                                                                                                                                                    GSE360_L_MAJOR_VS_T_GONDII_DC_DN, GSE360_L_MAJOR_VS_T_GONDII_DC_DN
                                                                                                                                                    GSE15659_NAIVE_VS_PTPRC_NEG_CD4_TCELL_DN, GSE15659_NAIVE_VS_PTPRC_NEG_CD4_TCELL_DN
                                                                                                                                                    GSE4142 NAIVE VS MEMORY BCELL DN, GSE4142 NAIVE VS MEMORY BCELL DN
                                                                                                                                                    GSE22025_UNTREATED_VS_TGFB1_AND_PROGESTERONE_TREATED_CD4_TCELL_DN, GSE22025_UNTREATED_VS_TGFB1_AND_PROGESTERONE_TREATED_CD4_TCELL_DN
                                                                                                                                                   GSE31622_WT_VS_KLF3_KO_BCELL_UP, GSE31622_WT_VS_KLF3_KO_BCELL_UP
                                                                                                                                                    GSE25123_ROSIGLITAZONE_VS_IL4_AND_ROSIGLITAZONE_STIM_MACROPHAGE_DAY10_DN, GSE25123_ROSIGLITAZONE_VS_IL4_AND_ROSIGLITAZONE_STIM_MACROPHAGE_DAY10_DI
                                                                                                                                                    GSE19941_UNSTIM_VS_LPS_AND_IL10_STIM_IL10_KO_NFKBP50_KO_MACROPHAGE_UP, GSE19941_UNSTIM_VS_LPS_AND_IL10_STIM_IL10_KO_NFKBP50_KO_MACROPHAGE_UP
                                                                                                                                                    GSE37533_PPARG2_FOXP3_VS_FOXP3_TRANSDUCED_CD4_TCELL_PIOGLITAZONE_TREATED_UP, GSE37533_PPARG2_FOXP3_VS_FOXP3_TRANSDUCED_CD4_TCELL_PIOGLITAZONE_TREATED_UP
                                                                                                                                                    GSE15659_NAIVE_CD4_TCELL_VS_NONSUPPRESSIVE_TCELL_DN, GSE15659_NAIVE_CD4_TCELL_VS_NONSUPPRESSIVE_TCELL_DN
                                                                                                                                                    GSE25088_CTRL_VS_IL4_STIM_STAT6_KO_MACROPHAGE_UP, GSE25088_CTRL_VS_IL4_STIM_STAT6_KO_MACROPHAGE_UP
                                                                                                                                                   GSE9946_IMMATURE_VS_PROSTAGLANDINE2_TREATED_MATURE_DC_DN, GSE9946_IMMATURE_VS_PROSTAGLANDINE2_TREATED_MATURE_DC_DN
                                                                                                                                                    HARALAMBIEVA_PBMC_TIV_AGE_50_74YO_CORRELATED_WITH_MEMORY_B_CELL_RESPONSE_3DY_NEGATIVE, HARALAMBIEVA_PBMC_TIV_AGE_50_74YO_CORRELATED_WITH_MEMO
                                                                                                                                                    GSE21927_EL4_VS_MCA203_TUMOR_MONOCYTES_DN, GSE21927_EL4_VS_MCA203_TUMOR_MONOCYTES_DN
                                                                                                                                                    GSE2405_0H_VS_6H_A_PHAGOCYTOPHILUM_STIM_NEUTROPHIL_DN, GSE2405_0H_VS_6H_A_PHAGOCYTOPHILUM_STIM_NEUTROPHIL_DN
                                                                                                                                                    GSE15930_NAIVE_VS_48H_IN_VITRO_STIM_CD8_TCELL_UP, GSE15930_NAIVE_VS_48H_IN_VITRO_STIM_CD8_TCELL_UP
                                                                                                                                                    GSE13411_IGM_MEMORY_BCELL_VS_PLASMA_CELL_DN, GSE13411_IGM_MEMORY_BCELL_VS_PLASMA_CELL_DN
                                                                                                                                                    GSE32901_NAIVE_VS_TH17_NEG_CD4_TCELL_DN, GSE32901_NAIVE_VS_TH17_NEG_CD4_TCELL_DN
                                                                                                                                                    GSE26928_EFF_MEMORY_VS_CXCR5_POS_CD4_TCELL_UP, GSE26928_EFF_MEMORY_VS_CXCR5_POS_CD4_TCELL_UP
                                                                                                                                                    GSE15330_LYMPHOID_MULTIPOTENT_VS_PRO_BCELL_UP, GSE15330_LYMPHOID_MULTIPOTENT_VS_PRO_BCELL_UP
                                                                                                                                                    GSE2585_CD80_HIGH_VS_LOW_AIRE_KO_MTEC_DN, GSE2585_CD80_HIGH_VS_LOW_AIRE_KO_MTEC_DN
                                                                                                                                                    GSE17721_POLYIC_VS_GARDIQUIMOD_0.5H_BMDC_UP, GSE17721_POLYIC_VS_GARDIQUIMOD_0.5H_BMDC_UP
                                                                                                                                                    GSE2770_IL12_VS_IL4_TREATED_ACT_CD4_TCELL_2H_DN, GSE2770_IL12_VS_IL4_TREATED_ACT_CD4_TCELL_2H_DN
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THAKAR_PBMC_INACTIVATED_INFLUENZA_AGE_21_30YO_NONRESPONDER_7DY_UP, THAKAR_PBMC_INACTIVATED_INFLUENZA_AGE_21_30YO_NONRESPONDER_7DY_UP