```
GSE39556_CD8A_DC_VS_NK_CELL_MOUSE_3H_POST_POLYIC_INJ_UP, GSE39556_CD8A_DC_VS_NK_CELL_MOUSE_3H_POST_POLYIC_INJ_UP
                                                                                                                        GSE22601_DOUBLE_POSITIVE_VS_CD4_SINGLE_POSITIVE_THYMOCYTE_DN, GSE22601_DOUBLE_POSITIVE_VS_CD4_SINGLE_POSITIVE_THYMOCYTE_DN
                                                                                                                        GSE21063_WT_VS_NFATC1_KO_BCELL_DN, GSE21063_WT_VS_NFATC1_KO_BCELL_DN
                                                                                                                        GSE15930_NAIVE_VS_24H_IN_VITRO_STIM_INFAB_CD8_TCELL_DN, GSE15930_NAIVE_VS_24H_IN_VITRO_STIM_INFAB_CD8_TCELL_DN
                                                                                                                        GSE17974_0.5H_VS_72H_UNTREATED_IN_VITRO_CD4_TCELL_DN, GSE17974_0.5H_VS_72H_UNTREATED_IN_VITRO_CD4_TCELL_DN
                                                                                                                        GSE15750_DAY6_VS_DAY10_TRAF6KO_EFF_CD8_TCELL_UP, GSE15750_DAY6_VS_DAY10_TRAF6KO_EFF_CD8_TCELL_UP
                                                                                                                        KAECH_DAY8_EFF_VS_MEMORY_CD8_TCELL_UP, KAECH_DAY8_EFF_VS_MEMORY_CD8_TCELL_UP
                                                                                                                        GSE31082_DN_VS_CD8_SP_THYMOCYTE_UP, GSE31082_DN_VS_CD8_SP_THYMOCYTE_UP
                                                                                                                        GSE17974 1H VS_72H_UNTREATED_IN_VITRO_CD4_TCELL_DN, GSE17974_1H_VS_72H_UNTREATED_IN_VITRO_CD4_TCELL_DN
                                                                                                                         GSE22313_HEALTHY_VS_SLE_MOUSE_CD4_TCELL_DN, GSE22313_HEALTHY_VS_SLE_MOUSE_CD4_TCELL_DN
                                                                                                                        GSE25085_FETAL_LIVER_VS_ADULT_BM_SP4_THYMIC_IMPLANT_DN, GSE25085_FETAL_LIVER_VS_ADULT_BM_SP4_THYMIC_IMPLANT_DN
                                                                                                                        GSE15930_NAIVE_VS_24H_IN_VITRO_STIM_CD8_TCELL_DN, GSE15930_NAIVE_VS_24H_IN_VITRO_STIM_CD8_TCELL_DN
                                                                                                                         GSE20727_CTRL_VS_ROS_INH_AND_DNFB_ALLERGEN_TREATED_DC_DN, GSE20727_CTRL_VS_ROS_INH_AND_DNFB_ALLERGEN_TREATED_DC_DN
                                                                                                                        GSE33292_WT_VS_TCF1_KO_DN3_THYMOCYTE_DN, GSE33292_WT_VS_TCF1_KO_DN3_THYMOCYTE_DN
                                                                                                                        GSE13547_CTRL_VS_ANTI_IGM_STIM_BCELL_12H_UP, GSE13547_CTRL_VS_ANTI_IGM_STIM_BCELL_12H_UP
                                                                                                                         GSE10239_MEMORY_VS_KLRG1HIGH_EFF_CD8_TCELL_DN, GSE10239_MEMORY_VS_KLRG1HIGH_EFF_CD8_TCELL_DN
                                                                                                                        GSE14415_INDUCED_VS_NATURAL_TREG_DN, GSE14415_INDUCED_VS_NATURAL_TREG_DN
                                                                                                                        GSE7568_IL4_VS_IL4_AND_TGFB_TREATED_MACROPHAGE_24H_DN, GSE7568_IL4_VS_IL4_AND_TGFB_TREATED_MACROPHAGE_24H_DN
                                                                                                                        GSE17974_0H_VS_6H_IN_VITRO_ACT_CD4_TCELL_DN, GSE17974_0H_VS_6H_IN_VITRO_ACT_CD4_TCELL_DN
                                                                                                                        GSE15930_NAIVE_VS_24H_IN_VITRO_STIM_IL12_CD8_TCELL_DN, GSE15930_NAIVE_VS_24H_IN_VITRO_STIM_IL12_CD8_TCELL_DN
                                                                                                                        GSE19923 WT VS HEB AND E2A KO DP THYMOCYTE UP, GSE19923 WT VS HEB AND E2A KO DP THYMOCYTE UP
                                                                                                                        GSE17186_BLOOD_VS_CORD_BLOOD_CD21HIGH_TRANSITIONAL_BCELL_UP, GSE17186_BLOOD_VS_CORD_BLOOD_CD21HIGH_TRANSITIONAL_BCELL_UP
                                                                                                                        GSE21063 CTRL VS ANTI IGM STIM BCELL NFATC1 KO 8H DN, GSE21063 CTRL VS ANTI IGM STIM BCELL NFATC1 KO 8H DN
                                                                                                                        GSE9509 LPS VS LPS AND IL10 STIM IL10 KO MACROPHAGE 20MIN DN, GSE9509 LPS VS LPS AND IL10 STIM IL10 KO MACROPHAGE 20MIN DN
                                                                                                                        GSE20198_UNTREATED_VS_IFNA_TREATED_ACT_CD4_TCELL_DN, GSE20198_UNTREATED_VS_IFNA_TREATED_ACT_CD4_TCELL_DN
                                                                                                                        GSE13547 CTRL VS ANTI IGM STIM ZFX KO BCELL 2H UP, GSE13547 CTRL VS ANTI IGM STIM ZFX KO BCELL 2H UP
                                                                                                                        GSE37532_WT_VS_PPARG_KO_VISCERAL_ADIPOSE_TISSUE_TREG_UP, GSE37532_WT_VS_PPARG_KO_VISCERAL_ADIPOSE_TISSUE_TREG_UP
                                                                                                                        GSE7460 CD8_TCELL_VS_TREG_ACT_DN, GSE7460 CD8_TCELL_VS_TREG_ACT_DN
                                                                                                                        GSE15271_CXCR4_POS_VS_NEG_GC_BCELL_UP, GSE15271_CXCR4_POS_VS_NEG_GC_BCELL_UP
                                                                                                                        GSE40273_GATA1_KO_VS_WT_TREG_UP, GSE40273_GATA1_KO_VS_WT_TREG_UP
                                                                                                                        GSE14415_TCONV_VS_FOXP3_KO_INDUCED_TREG_UP, GSE14415_TCONV_VS_FOXP3_KO_INDUCED_TREG_UP
                                                                                                                        GSE2128_C57BL6_VS_NOD_THYMOCYTE_UP, GSE2128_C57BL6_VS_NOD_THYMOCYTE_UP
                                                                                                                        GSE3337_4H_VS_16H_IFNG_IN_CD8POS_DC_UP, GSE3337_4H_VS_16H_IFNG_IN_CD8POS_DC_UP
                                                                                                                        GSE2770_UNTREATED_VS_IL4_TREATED_ACT_CD4_TCELL_48H_DN, GSE2770_UNTREATED_VS_IL4_TREATED_ACT_CD4_TCELL_48H_DN
                                                                                                                        GSE14308_TH2_VS_TH17_UP, GSE14308_TH2_VS_TH17_UP
                                                                                                                        GSE15930_NAIVE_VS_72H_IN_VITRO_STIM_IFNAB_CD8_TCELL_DN, GSE15930_NAIVE_VS_72H_IN_VITRO_STIM_IFNAB_CD8_TCELL_DN
                                                                                                                        GSE19888 CTRL VS A3R INHIBITOR TREATED MAST CELL UP, GSE19888 CTRL VS A3R INHIBITOR TREATED MAST CELL UP
                                                                                                                        GSE15930_NAIVE_VS_72H_IN_VITRO_STIM_TRICHOSTATINA_CD8_TCELL_DN, GSE15930_NAIVE_VS_72H_IN_VITRO_STIM_TRICHOSTATINA_CD8_TCELL_DN
                                                                                                                        GSE40274 CTRL VS FOXP3 AND HELIOS TRANSDUCED ACTIVATED CD4 TCELL DN, GSE40274 CTRL VS FOXP3 AND HELIOS TRANSDUCED ACTIVATED CD4 TCELL DN
                                                                                                                        GSE37532_TREG_VS_TCONV_PPARG_KO_CD4_TCELL_FROM_VISCERAL_ADIPOSE_TISSUE_UP, GSE37532_TREG_VS_TCONV_PPARG_KO_CD4_TCELL_FROM_VISCERAL_ADIPOSE_TISSUE_UP
                                                                                                                        GSE22886_NAIVE_CD4_TCELL_VS_12H_ACT_TH1_DN, GSE22886_NAIVE_CD4_TCELL_VS_12H_ACT_TH1_DN
                                                                                                                        GSE9878 CTRL VS EBF TRANSDUCED PAX5 KO PRO BCELL DN, GSE9878 CTRL VS EBF TRANSDUCED PAX5 KO PRO BCELL DN
                                                                                                                        GSE27786_LSK_VS_CD4_TCELL_UP, GSE27786_LSK_VS_CD4_TCELL_UP
                                                                                                                        GSE14769_UNSTIM_VS_360MIN_LPS_BMDM_UP, GSE14769_UNSTIM_VS_360MIN_LPS_BMDM_UP
                                                                                                                        GSE14415 ACT_VS_CTRL_NATURAL_TREG_UP, GSE14415 ACT_VS_CTRL_NATURAL_TREG_UP
                                                                                                                        GSE11386_NAIVE_VS_MEMORY_BCELL_UP, GSE11386_NAIVE_VS_MEMORY_BCELL_UP
                                                                                                                        GSE25123_ROSIGLITAZONE_VS_IL4_AND_ROSIGLITAZONE_STIM_PPARG_KO_MACROPHAGE_DAY10_UP, GSE25123_ROSIGLITAZONE_VS_IL4_AND_ROSIGLITAZONE_STIM_PPARG_KO_MACROPHAGE_DAY10_UP
                                                                                                                        GSE33162_UNTREATED_VS_4H_LPS_STIM_HDAC3_KO_MACROPHAGE_DN, GSE33162_UNTREATED_VS_4H_LPS_STIM_HDAC3_KO_MACROPHAGE_DN
                                                                                                                        GSE39820 CTRL VS_TGFBETA3_IL6_CD4_TCELL_UP, GSE39820_CTRL_VS_TGFBETA3_IL6_CD4_TCELL_UP
                                                                                                                        GSE15930 NAIVE VS 72H IN VITRO STIM CD8 TCELL DN, GSE15930 NAIVE VS 72H IN VITRO STIM CD8 TCELL DN
                                                                                                                        GSE40274_CTRL_VS_FOXP3_TRANSDUCED_ACTIVATED_CD4_TCELL_UP, GSE40274_CTRL_VS_FOXP3_TRANSDUCED_ACTIVATED_CD4_TCELL_UP
                                                                                                                        GSE43863 TH1_VS_LY6C_INT_CXCR5POS_EFFECTOR_CD4_TCELL_UP, GSE43863_TH1_VS_LY6C_INT_CXCR5POS_EFFECTOR_CD4_TCELL_UP
                                                                                                                        GSE24026 PD1_LIGATION_VS_CTRL_IN_ACT_TCELL_LINE_DN, GSE24026 PD1_LIGATION_VS_CTRL_IN_ACT_TCELL_LINE_DN
                                                                                                                        GSE21063_3H_VS_16H_ANTI_IGM_STIM_NFATC1_KOBCELL_DN, GSE21063_3H_VS_16H_ANTI_IGM_STIM_NFATC1_KOBCELL_DN
                                                                                                                        GSE6259 FLT3L INDUCED 33D1 POS DC VS BCELL UP, GSE6259 FLT3L INDUCED 33D1 POS DC VS BCELL UP
                                                                                                                        GSE27786 LIN_NEG_VS_CD8_TCELL_UP, GSE27786 LIN_NEG_VS_CD8_TCELL_UP
                                                                                                                        GSE22601_DOUBLE_POSITIVE_VS_CD8_SINGLE_POSITIVE_THYMOCYTE_DN, GSE22601_DOUBLE_POSITIVE_VS_CD8_SINGLE_POSITIVE_THYMOCYTE_DN
                                                                                                                        GSE19888_ADENOSINE_A3R_ACT_VS_A3R_ACT_WITH_A3R_INH_PRETREATMENT_IN_MAST_CELL_UP, GSE19888_ADENOSINE_A3R_ACT_VS_A3R_ACT_WITH_A3R_INH_PRETREATMENT_IN_MAST_CELL_UP
                                                                                                                        GSE17974_0.5H_VS_72H_IL4_AND_ANTI_IL12_ACT_CD4_TCELL_DN, GSE17974_0.5H_VS_72H_IL4_AND_ANTI_IL12_ACT_CD4_TCELL_DN
                                                                                                                        GSE3982 CENT MEMORY CD4 TCELL VS TH1 DN, GSE3982 CENT MEMORY CD4 TCELL VS TH1 DN
                                                                                                                        GSE37532_WT_VS_PPARG_KO_LN_TCONV_DN, GSE37532_WT_VS_PPARG_KO_LN_TCONV_DN
                                                                                                                        GSE20754 WT_VS_TCF1_KO_MEMORY_CD8_TCELL_DN, GSE20754_WT_VS_TCF1_KO_MEMORY_CD8_TCELL_DN
                                                                                                                        GSE30962_PRIMARY_VS_SECONDARY_ACUTE_LCMV_INF_CD8_TCELL_UP, GSE30962_PRIMARY_VS_SECONDARY_ACUTE_LCMV_INF_CD8_TCELL_UP
                                                                                                                        GSE14415_NATURAL_TREG_VS_TCONV_DN, GSE14415_NATURAL_TREG_VS_TCONV_DN
                                                                                                                        GSE16450_CTRL_VS_IFNA_12H_STIM_MATURE_NEURON_CELL_LINE_DN, GSE16450_CTRL_VS_IFNA_12H_STIM_MATURE_NEURON_CELL_LINE_DN
                                                                                                                        GSE3982_EFF_MEMORY_CD4_TCELL_VS_TH1_DN, GSE3982_EFF_MEMORY_CD4_TCELL_VS_TH1_DN
                                                                                                                        GSE7768 OVA ALONE VS OVA WITH MPL IMMUNIZED MOUSE WHOLE SPLEEN 6H UP, GSE7768 OVA ALONE VS OVA WITH MPL IMMUNIZED MOUSE WHOLE SPLEEN 6H UP
                                                                                                                        GSE6674_ANTI_IGM_VS_CPG_STIM_BCELL_DN, GSE6674_ANTI_IGM_VS_CPG_STIM_BCELL_DN
                                                                                                                        GSE37532_TREG_VS_TCONV_CD4_TCELL_FROM_VISCERAL_ADIPOSE_TISSUE_DN, GSE37532_TREG_VS_TCONV_CD4_TCELL_FROM_VISCERAL_ADIPOSE_TISSUE_DN
                                                                                                                        GSE22432_MULTIPOTENT_VS_COMMON_DC_PROGENITOR_UP, GSE22432_MULTIPOTENT_VS_COMMON_DC_PROGENITOR_UP
                                                                                                                        GSE41087_WT_VS_FOXP3_MUT_ANTI_CD3_CD28_STIM_CD4_TCELL_DN, GSE41087_WT_VS_FOXP3_MUT_ANTI_CD3_CD28_STIM_CD4_TCELL_DN
                                                                                                                        GSE37301_COMMON_LYMPHOID_PROGENITOR_VS_PRO_BCELL_DN, GSE37301_COMMON_LYMPHOID_PROGENITOR_VS_PRO_BCELL_DN
                                                                                                                        GSE14699_DELETIONAL_TOLERANCE_VS_ACTIVATED_CD8_TCELL_DN, GSE14699_DELETIONAL_TOLERANCE_VS_ACTIVATED_CD8_TCELL_DN
                                                                                                                        GSE21670 UNTREATED VS_TGFB_IL6_TREATED_CD4_TCELL_UP, GSE21670 UNTREATED_VS_TGFB_IL6_TREATED_CD4_TCELL_UP
                                                                                                                        GSE36888_STAT5_AB_KNOCKIN_VS_WT_TCELL_IL2_TREATED_6H_DN, GSE36888_STAT5_AB_KNOCKIN_VS_WT_TCELL_IL2_TREATED_6H_DN
                                                                                                                        GSE11961 MARGINAL ZONE BCELL VS MEMORY BCELL DAY40 DN, GSE11961 MARGINAL ZONE BCELL VS MEMORY BCELL DAY40 DN
                                                                                                                        GSE9650_EFFECTOR_VS_MEMORY_CD8_TCELL_UP, GSE9650_EFFECTOR_VS_MEMORY_CD8_TCELL_UP
                                                                                                                        GSE23505_IL6_IL1_IL23_VS_IL6_IL1_TGFB_TREATED_CD4_TCELL_DN, GSE23505_IL6_IL1_IL23_VS_IL6_IL1_TGFB_TREATED_CD4_TCELL_DN
                                                                                                                        GSE24634_TEFF_VS_TCONV_DAY10_IN_CULTURE_UP, GSE24634_TEFF_VS_TCONV_DAY10_IN_CULTURE_UP
                                                                                                                        GSE17974_0H_VS_24H_IN_VITRO_ACT_CD4_TCELL_DN, GSE17974_0H_VS_24H_IN_VITRO_ACT_CD4_TCELL_DN
                                                                                                                        GSE27786_LIN_NEG_VS_NKTCELL_UP, GSE27786_LIN_NEG_VS_NKTCELL_UP
                                                                                                                        GSE7852 LN VS THYMUS TCONV DN, GSE7852 LN VS THYMUS TCONV DN
                                                                                                                        GSE12366 GC_VS_NAIVE_BCELL_UP, GSE12366 GC_VS_NAIVE_BCELL_UP
                                                                                                                        GSE41867_NAIVE_VS_EFFECTOR_CD8_TCELL_UP, GSE41867_NAIVE_VS_EFFECTOR_CD8_TCELL_UP
                                                                                                                        GSE15330_HSC_VS_LYMPHOID_PRIMED_MULTIPOTENT_PROGENITOR_DN, GSE15330_HSC_VS_LYMPHOID_PRIMED_MULTIPOTENT_PROGENITOR_DN
                                                                                                                        GSE22611_NOD2_TRANSDUCED_VS_CTRL_HEK293T_STIMULATED_WITH_MDP_2H_DN, GSE22611_NOD2_TRANSDUCED_VS_CTRL_HEK293T_STIMULATED_WITH_MDP_2H_DN
                                                                                                                        GSE3039 ALPHABETA CD8 TCELL VS B2 BCELL DN, GSE3039 ALPHABETA CD8 TCELL VS B2 BCELL DN
                                                                                                                        GSE21670_UNTREATED_VS_TGFB_IL6_TREATED_STAT3_KO_CD4_TCELL_UP, GSE21670_UNTREATED_VS_TGFB_IL6_TREATED_STAT3_KO_CD4_TCELL_UP
                                                                                                                        GSE27786 LSK VS BCELL UP, GSE27786 LSK VS BCELL UP
                                                                                                                        GSE40068 BCL6 POS VS NEG CXCR5 POS TFH UP, GSE40068 BCL6 POS VS NEG CXCR5 POS TFH UP
                                                                                                                        GSE15930_STIM_VS_STIM_AND_IFNAB_72H_CD8_T_CELL_DN, GSE15930_STIM_VS_STIM_AND_IFNAB_72H_CD8_T_CELL_DN
                                                                                                                        GSE17301_CTRL_VS_48H_ACD3_ACD28_IFNA5_STIM_CD8_TCELL_DN, GSE17301_CTRL_VS_48H_ACD3_ACD28_IFNA5_STIM_CD8_TCELL_DN
                                                                                                                        GSE26669 CTRL VS COSTIM BLOCK MLR CD8 TCELL UP, GSE26669 CTRL VS COSTIM BLOCK MLR CD8 TCELL UP
                                                                                                                        GSE3039 NKT CELL VS B1 BCELL DN, GSE3039 NKT CELL VS B1 BCELL DN
                                                                                                                        GSE7218_UNSTIM_VS_ANTIGEN_STIM_THROUGH_IGG_BCELL_UP, GSE7218_UNSTIM_VS_ANTIGEN_STIM_THROUGH_IGG_BCELL_UP
                                                                                                                        GSE40274 FOXP3 VS FOXP3 AND EOS TRANSDUCED ACTIVATED CD4 TCELL DN, GSE40274 FOXP3 VS FOXP3 AND EOS TRANSDUCED ACTIVATED CD4 TCELL DN
                                                                                                                        GSE7509_UNSTIM_VS_FCGRIIB_STIM_MONOCYTE_UP, GSE7509_UNSTIM_VS_FCGRIIB_STIM_MONOCYTE_UP
                                                                                                                        GSE6259_33D1_POS_DC_VS_CD4_TCELL_UP, GSE6259_33D1_POS_DC_VS_CD4_TCELL_UP
                                                                                                                        GSE39110_DAY3_VS_DAY6_POST_IMMUNIZATION_CD8_TCELL_DN, GSE39110_DAY3_VS_DAY6_POST_IMMUNIZATION_CD8_TCELL_DN
                                                                                                                        GSE10239 NAIVE VS KLRG1INT EFF CD8 TCELL DN, GSE10239 NAIVE VS KLRG1INT EFF CD8 TCELL DN
                                                                                                                        GSE41867_DAY8_VS_DAY15_LCMV_CLONE13_EFFECTOR_CD8_TCELL_DN, GSE41867_DAY8_VS_DAY15_LCMV_CLONE13_EFFECTOR_CD8_TCELL_DN
                                                                                                                        GSE16451 CTRL VS WEST EOUINE ENC VIRUS IMMATURE NEURON CELL LINE DN. GSE16451 CTRL VS WEST EOUINE ENC VIRUS IMMATURE NEURON CELL LINE DN
                                                                                                                        GSE12845_IGD_NEG_BLOOD_VS_PRE_GC_TONSIL_BCELL_DN, GSE12845_IGD_NEG_BLOOD_VS_PRE_GC_TONSIL_BCELL_DN
                                                                                                                        GSE21063_CTRL_VS_ANTI_IGM_STIM_BCELL_16H_UP, GSE21063_CTRL_VS_ANTI_IGM_STIM_BCELL_16H_UP
                                                                                                                        GSE17301 CTRL VS 48H ACD3 ACD28 IFNA2 STIM CD8 TCELL DN, GSE17301 CTRL VS 48H ACD3 ACD28 IFNA2 STIM CD8 TCELL DN
                                                                                                                        GSE19941_IL10_KO_VS_IL10_KO_AND_NFKBP50_KO_LPS_AND_IL10_STIM_MACROPHAGE_DN, GSE19941_IL10_KO_VS_IL10_KO_AND_NFKBP50_KO_LPS_AND_IL10_STIM_MACROPHAGE_DN
                                                                                                                        GSE3039 B2 VS B1 BCELL DN, GSE3039 B2 VS B1 BCELL DN
                                                                                                                        GSE36078 UNTREATED VS AD5 INF MOUSE LUNG DC DN. GSE36078 UNTREATED VS AD5 INF MOUSE LUNG DC DN
                                                                                                                        HOWARD NK CELL INACT MONOV INFLUENZA A INDONESIA 05 2005 H5N1 AGE 18 49YO 3DY UP, HOWARD NK CELL INACT MONOV INFLUENZA A INDONESIA 05 2005 H5N1 AGE 18 49YO 3DY UP
                                                                                                                        GSE3337_CTRL_VS_16H_IFNG_IN_CD8POS_DC_DN, GSE3337_CTRL_VS_16H_IFNG_IN_CD8POS_DC_DN
                                                                                                                        GSE25088 WT VS STAT6 KO MACROPHAGE ROSIGLITAZONE AND IL4 STIM UP, GSE25088 WT VS STAT6 KO MACROPHAGE ROSIGLITAZONE AND IL4 STIM UP
                                                                                                                        GSE5589 IL6 KO VS IL10 KO LPS AND IL6 STIM MACROPHAGE 45MIN UP, GSE5589 IL6 KO VS IL10 KO LPS AND IL6 STIM MACROPHAGE 45MIN UP
                                                                                                                        GSE24671_BAKIMULC_VS_SENDAI_VIRUS_INFECTED_MOUSE_SPLENOCYTES_UP, GSE24671_BAKIMULC_VS_SENDAI_VIRUS_INFECTED_MOUSE_SPLENOCYTES_UP
                                                                                                                        GSE3039 CD4 TCELL VS NKT CELL DN, GSE3039 CD4 TCELL VS NKT CELL DN
                                                                                                                        GSE6269_HEALTHY_VS_STAPH_PNEUMO_INF_PBMC_UP, GSE6269_HEALTHY_VS_STAPH_PNEUMO_INF_PBMC_UP
                                                                                                                        GSE3720_UNSTIM_VS_PMA_STIM_VD2_GAMMADELTA_TCELL_DN, GSE3720_UNSTIM_VS_PMA_STIM_VD2_GAMMADELTA_TCELL_DN
                                                                                                                        GSE411 UNSTIM VS 400MIN IL6 STIM SOCS3 KO MACROPHAGE DN, GSE411 UNSTIM VS 400MIN IL6 STIM SOCS3 KO MACROPHAGE DN
                                                                                                                        GSE39110_UNTREATED_VS_IL2_TREATED_CD8_TCELL_DAY3_POST_IMMUNIZATION_DN, GSE39110_UNTREATED_VS_IL2_TREATED_CD8_TCELL_DAY3_POST_IMMUNIZATION_DN
                                                                                                                        GSE39110_DAY3_VS_DAY6_POST_IMMUNIZATION_CD8_TCELL_WITH_IL2_TREATMENT_UP, GSE39110_DAY3_VS_DAY6_POST_IMMUNIZATION_CD8_TCELL_WITH_IL2_TREATMENT_UP
                                                                                                                        GSE17721_4H_VS_24H_POLYIC_BMDC_UP, GSE17721_4H_VS_24H_POLYIC_BMDC_UP
                                                                                                                        GSE7218_IGM_VS_IGG_SIGNAL_THGOUGH_ANTIGEN_BCELL_UP, GSE7218_IGM_VS_IGG_SIGNAL_THGOUGH_ANTIGEN_BCELL_UP
                                                                                                                        GSE40274_CTRL_VS_EOS_TRANSDUCED_ACTIVATED_CD4_TCELL_UP, GSE40274_CTRL_VS_EOS_TRANSDUCED_ACTIVATED_CD4_TCELL_UP
                                                                                                                        GSE8685 IL2 STARVED VS IL2 ACT IL2 STARVED CD4 TCELL DN, GSE8685 IL2 STARVED VS IL2 ACT IL2 STARVED CD4 TCELL DN
                                                                                                                        GSE5589 WT_VS_IL6 KO_LPS_AND_IL10 STIM_MACROPHAGE 45MIN_UP, GSE5589 WT_VS_IL6 KO_LPS_AND_IL10 STIM_MACROPHAGE 45MIN_UP
                                                                                                                        GSE42021_TREG_PLN_VS_CD24LO_TREG_THYMUS_UP, GSE42021_TREG_PLN_VS_CD24LO_TREG_THYMUS_UP
                                                                                                                        GSE17186_CD21LOW_VS_CD21HIGH_TRANSITIONAL_BCELL_DN, GSE17186_CD21LOW_VS_CD21HIGH_TRANSITIONAL_BCELL_DN
                                                                                                                        GSE10240_CTRL_VS_IL17_AND_IL22_STIM_PRIMARY_BRONCHIAL_EPITHELIAL_CELLS_UP, GSE10240_CTRL_VS_IL17_AND_IL22_STIM_PRIMARY_BRONCHIAL_EPITHELIAL_CELLS_UP
                                                                                                                        GSE17721_0.5H_VS_12H_POLYIC_BMDC_UP, GSE17721_0.5H_VS_12H_POLYIC_BMDC_UP
                                                                                                                        GSE15930_NAIVE_VS_72H_IN_VITRO_STIM_IL12_CD8_TCELL_DN, GSE15930_NAIVE_VS_72H_IN_VITRO_STIM_IL12_CD8_TCELL_DN
                                                                                                                        GSE22103_UNSTIM_VS_GMCSF_AND_IFNG_STIM_NEUTROPHIL_DN, GSE22103_UNSTIM_VS_GMCSF_AND_IFNG_STIM_NEUTROPHIL_DN
                                                                                                                        GSE9239_CTRL_VS_TNF_INHIBITOR_TREATED_DC_DN, GSE9239_CTRL_VS_TNF_INHIBITOR_TREATED_DC_DN
                                                                                                                        GSE17721_LPS_VS_CPG_1H_BMDC_UP, GSE17721_LPS_VS_CPG_1H_BMDC_UP
                                                                                                                        GSE13306_TREG_VS_TCONV_DN, GSE13306_TREG_VS_TCONV_DN
                                                                                                                        GSE21360_SECONDARY_VS_TERTIARY_MEMORY_CD8_TCELL_DN, GSE21360_SECONDARY_VS_TERTIARY_MEMORY_CD8_TCELL_DN
                                                                                                                        GSE20727_CTRL_VS_DNFB_ALLERGEN_TREATED_DC_UP, GSE20727_CTRL_VS_DNFB_ALLERGEN_TREATED_DC_UP
                                                                                                                        GSE39556_CD8A_DC_VS_NK_CELL_UP, GSE39556_CD8A_DC_VS_NK_CELL_UP
                                                                                                                        GSE6259_FLT3L_INDUCED_DEC205_POS_DC_VS_BCELL_DN, GSE6259_FLT3L_INDUCED_DEC205_POS_DC_VS_BCELL_DN
                                                                                                                        GSE411 WT VS SOCS3 KO MACROPHAGE IL6 STIM 100MIN UP, GSE411 WT VS SOCS3 KO MACROPHAGE IL6 STIM 100MIN UP
                                                                                                                        GSE7852 TREG VS TCONV FAT DN, GSE7852 TREG VS TCONV FAT DN
                                                                                                                        GSE30962_ACUTE_VS_CHRONIC_LCMV_PRIMARY_INF_CD8_TCELL_DN, GSE30962_ACUTE_VS_CHRONIC_LCMV_PRIMARY_INF_CD8_TCELL_DN
                                                                                                                        GSE43955_TGFB_IL6_VS_TGFB_IL6_IL23_TH17_ACT_CD4_TCELL_52H_DN, GSE43955_TGFB_IL6_VS_TGFB_IL6_IL23_TH17_ACT_CD4_TCELL_52H_DN
                                                                                                                        GSE24142_ADULT_VS_FETAL_EARLY_THYMIC_PROGENITOR_DN, GSE24142_ADULT_VS_FETAL_EARLY_THYMIC_PROGENITOR_DN
                                                                                                                        GSE17721_0.5H_VS_24H_POLYIC_BMDC_UP, GSE17721_0.5H_VS_24H_POLYIC_BMDC_UP
                                                                                                                        GSE40277_EOS_AND_LEF1_TRANSDUCED_VS_CTRL_CD4_TCELL_DN, GSE40277_EOS_AND_LEF1_TRANSDUCED_VS_CTRL_CD4_TCELL_DN
                                                                                                                        GSE2197_IMMUNOSUPPRESSIVE_DNA_VS_UNTREATEDIN_DC_DN, GSE2197_IMMUNOSUPPRESSIVE_DNA_VS_UNTREATEDIN_DC_DN
                                                                                                                        GSE12507_PDC_CELL_LINE_VS_IMMATUE_T_CELL_LINE_UP, GSE12507_PDC_CELL_LINE_VS_IMMATUE_T_CELL_LINE_UP
                                                                                                                        GSE19941 UNSTIM VS LPS STIM IL10 KO NFKBP50 KO MACROPHAGE UP, GSE19941 UNSTIM VS LPS STIM IL10 KO NFKBP50 KO MACROPHAGE UP
                                                                                                                        GSE8685_IL2_ACT_IL2_STARVED_VS_IL15_ACT_IL2_STARVED_CD4_TCELL_DN, GSE8685_IL2_ACT_IL2_STARVED_VS_IL15_ACT_IL2_STARVED_CD4_TCELL_DN
                                                                                                                        GSE1925_CTRL_VS_IFNG_PRIMED_MACROPHAGE_24H_IFNG_STIM_DN, GSE1925_CTRL_VS_IFNG_PRIMED_MACROPHAGE_24H_IFNG_STIM_DN
                                                                                                                        GSE11864_CSF1_VS_CSF1_IFNG_IN_MAC_DN, GSE11864_CSF1_VS_CSF1_IFNG_IN_MAC_DN
                                                                                                                        GSE17186_NAIVE_VS_CD21LOW_TRANSITIONAL_BCELL_CORD_BLOOD_DN, GSE17186_NAIVE_VS_CD21LOW_TRANSITIONAL_BCELL_CORD_BLOOD_DN
                                                                                                                        GSE40655 FOXO1 KO VS WT NTREG DN, GSE40655 FOXO1 KO VS WT NTREG DN
                                                                                                                        GSE22229_RENAL_TRANSPLANT_VS_HEALTHY_PBMC_UP, GSE22229_RENAL_TRANSPLANT_VS_HEALTHY_PBMC_UP
                                                                                                                        GSE17186_CD21LOW_VS_CD21HIGH_TRANSITIONAL_BCELL_UP, GSE17186_CD21LOW_VS_CD21HIGH_TRANSITIONAL_BCELL_UP
                                                                                                                        GSE40666 WT VS STAT4 KO CD8 TCELL WITH IFNA STIM 90MIN DN, GSE40666 WT VS STAT4 KO CD8 TCELL WITH IFNA STIM 90MIN DN
                                                                                                                        GSE7509 UNSTIM VS IFNA STIM IMMATURE DC UP, GSE7509 UNSTIM VS IFNA STIM IMMATURE DC UP
                                                                                                                       GSE40274_CTRL_VS_FOXP3_AND_LEF1_TRANSDUCED_ACTIVATED_CD4_TCELL_DN, GSE40274_CTRL_VS_FOXP3_AND_LEF1_TRANSDUCED_ACTIVATED_CD4_TCELL_DN
                                                                                                                       GSE5542_UNTREATED_VS_IFNA_TREATED_EPITHELIAL_CELLS_24H_DN, GSE5542_UNTREATED_VS_IFNA_TREATED_EPITHELIAL_CELLS_24H_DN
                                                                                                                       GSE3337_CTRL_VS_4H_IFNG_IN_CD8POS_DC_DN, GSE3337_CTRL_VS_4H_IFNG_IN_CD8POS_DC_DN
                                                                                                                       GSE23505_IL6_IL1_VS_IL6_IL1_IL23_TREATED_CD4_TCELL_UP, GSE23505_IL6_IL1_VS_IL6_IL1_IL23_TREATED_CD4_TCELL_UP
                                                                                                                       GSE24634_IL4_VS_CTRL_TREATED_NAIVE_CD4_TCELL_DAY7_DN, GSE24634_IL4_VS_CTRL_TREATED_NAIVE_CD4_TCELL_DAY7_DN
                                                                                                                       GSE36078 WT VS IL1R KO LUNG DC AFTER AD5 T425A HEXON INF UP, GSE36078 WT VS IL1R KO LUNG DC AFTER AD5 T425A HEXON INF UP
                                                                                                                       GSE39820 CTRL VS IL1B IL6 IL23A CD4 TCELL UP, GSE39820 CTRL VS IL1B IL6 IL23A CD4 TCELL UP
                                                                                                                       GSE19888_NO_PRETREAT_VS_ADENOSINE_A3R_INHIBITOR_PRETREATED_MAST_CELL_TCELL_MEMBRANES_ACT_UP, GSE19888_NO_PRETREAT_VS_ADENOSINE_A3R_INHIBITOR_PRETREATED_MAST_CELL_TCELL_MEMBRANES_ACT_UP
                                                                                                                       GSE16451_IMMATURE_VS_MATURE_NEURON_CELL_LINE_WEST_EQUINE_ENC_VIRUS_UP, GSE16451_IMMATURE_VS_MATURE_NEURON_CELL_LINE_WEST_EQUINE_ENC_VIRUS_UP
                                                                                                                       GSE14308_TH1_VS_TH17_UP, GSE14308_TH1_VS_TH17_UP
                                                                                                                       GSE18893 TCONV VS TREG 24H CULTURE DN, GSE18893 TCONV VS TREG 24H CULTURE DN
                                                                                                                       // GSE42021_CD24HI_VS_CD24INT_TREG_THYMUS_DN, GSE42021_CD24HI_VS_CD24INT_TREG_THYMUS_DN
                                                                                                                       // GSE7460_CTRL_VS_FOXP3_OVEREXPR_TCONV_1_UP, GSE7460_CTRL_VS_FOXP3_OVEREXPR_TCONV_1_UP
                                                                                                                      /// GSE14308_TH2_VS_NAIVE_CD4_TCELL_UP, GSE14308_TH2_VS_NAIVE_CD4_TCELL_UP
                                                                                                                        GSE369_SOCS3_KO_VS_IFNG_KO_LIVER_DN, GSE369_SOCS3_KO_VS_IFNG_KO_LIVER_DN
                                                                                                                        GSE17301_ACD3_ACD28_VS_ACD3_ACD28_AND_IFNA5_STIM_CD8_TCELL_UP, GSE17301_ACD3_ACD28_VS_ACD3_ACD28_AND_IFNA5_STIM_CD8_TCELL_UP
                                                                                                                       ✓ GSE36078_WT_VS_IL1R_KO_LUNG_DC_DN, GSE36078_WT_VS_IL1R_KO_LUNG_DC_DN
                                                                                                                       ✓ GSE36888_UNTREATED_VS_IL2_TREATED_STAT5_AB_KNOCKIN_TCELL_17H_DN, GSE36888_UNTREATED_VS_IL2_TREATED_STAT5_AB_KNOCKIN_TCELL_17H_DN
AND ROSIGLITAZONE TREATED DC UP, GSE5679 CTRL VS PPARG LIGAND ROSIGLITAZONE TREATED DC UP
                                                                                                                        GSE20366_EX_VIVO_VS_DEC205_CONVERSION_NAIVE_CD4_TCELL_UP, GSE20366_EX_VIVO_VS_DEC205_CONVERSION_NAIVE_CD4_TCELL_UP
                                                                                                                        GSE22886_DAY0_VS_DAY1_MONOCYTE_IN_CULTURE_DN, GSE22886_DAY0_VS_DAY1_MONOCYTE_IN_CULTURE_DN
                                                                                                                        GSE13547 2H VS 12 H ANTI IGM STIM BCELL UP, GSE13547 2H VS 12 H ANTI IGM STIM BCELL UP
                                                                                                                        GSE33424_CD161_INT_VS_NEG_CD8_TCELL_UP, GSE33424_CD161_INT_VS_NEG_CD8_TCELL_UP
                                                                                                                        GSE27092_WT_VS_HDAC7_PHOSPHO_DEFICIENT_CD8_TCELL_DN, GSE27092_WT_VS_HDAC7_PHOSPHO_DEFICIENT_CD8_TCELL_DN
                                                                                                                        GSE15324_NAIVE_VS_ACTIVATED_CD8_TCELL_DN, GSE15324_NAIVE_VS_ACTIVATED_CD8_TCELL_DN
                                                                                                                        GSE40685_NAIVE_CD4_TCELL_VS_FOXP3_KO_TREG_PRECURSOR_UP, GSE40685_NAIVE_CD4_TCELL_VS_FOXP3_KO_TREG_PRECURSOR_UP
                                                                                                                        GSE34205 HEALTHY VS RSV INF INFANT PBMC DN, GSE34205 HEALTHY VS RSV INF INFANT PBMC DN
                                                                                                                        GSE40274_GATA1_VS_FOXP3_AND_GATA1_TRANSDUCED_ACTIVATED_CD4_TCELL_DN, GSE40274_GATA1_VS_FOXP3_AND_GATA1_TRANSDUCED_ACTIVATED_CD4_TCELL_DN
                                                                                                                        GSE37301_HEMATOPOIETIC_STEM_CELL_VS_CD4_TCELL_UP, GSE37301_HEMATOPOIETIC_STEM_CELL_VS_CD4_TCELL_UP
                                                                                                                       GSE17721_LPS_VS_CPG_16H_BMDC_DN, GSE17721_LPS_VS_CPG_16H_BMDC_DN
                                                                                                                        GSE36095_WT_VS_HDAC9_KO_TREG_UP, GSE36095_WT_VS_HDAC9_KO_TREG_UP
                                                                                                                       KAECH NAIVE VS DAY15 EFF CD8 TCELL DN, KAECH NAIVE VS DAY15 EFF CD8 TCELL DN
                                                                                                                       GSE40277_EOS_AND_LEF1_TRANSDUCED_VS_GATA1_AND_SATB1_TRANSDUCED_CD4_TCELL_DN, GSE40277_EOS_AND_LEF1_TRANSDUCED_VS_GATA1_AND_SATB1_TRANSDUCED_CD4_TCELL_DN
                                                                                                                       GSE15735_CTRL_VS_HDAC_INHIBITOR_TREATED_CD4_TCELL_2H_DN, GSE15735_CTRL_VS_HDAC_INHIBITOR_TREATED_CD4_TCELL_2H_DN
                                                                                                                       GSE39022_LN_VS_SPLEEN_DC_UP, GSE39022_LN_VS_SPLEEN_DC_UP
                                                                                                                       GSE18893_TCONV_VS_TREG_2H_CULTURE_DN, GSE18893_TCONV_VS_TREG_2H_CULTURE_DN
                                                                                                                       GSE6259_33D1_POS_DC_VS_BCELL_DN, GSE6259_33D1_POS_DC_VS_BCELL_DN
                                                                                                                       GSE4984 GALECTIN1 VS LPS STIM DC DN, GSE4984 GALECTIN1 VS LPS STIM DC DN
                                                                                                                        GSE5542_IFNA_VS_IFNA_AND_IFNG_TREATED_EPITHELIAL_CELLS_24H_DN, GSE5542_IFNA_VS_IFNA_AND_IFNG_TREATED_EPITHELIAL_CELLS_24H_DN
                                                                                                                        GSE36078_UNTREATED_VS_AD5_T425A_HEXON_INF_MOUSE_LUNG_DC_DN, GSE36078_UNTREATED_VS_AD5_T425A_HEXON_INF_MOUSE_LUNG_DC_DN
                                                                                                                        GSE9006_HEALTHY_VS_TYPE_1_DIABETES_PBMC_AT_DX_DN, GSE9006_HEALTHY_VS_TYPE_1_DIABETES_PBMC_AT_DX_DN
                                                                                                                        GSE41978_WT_VS_ID2_KO_AND_BIM_KO_KLRG1_LOW_EFFECTOR_CD8_TCELL_UP, GSE41978_WT_VS_ID2_KO_AND_BIM_KO_KLRG1_LOW_EFFECTOR_CD8_TCELL_UP
                                                                                                                        GSE2826_WT_VS_XID_BCELL_UP, GSE2826_WT_VS_XID_BCELL_UP
                                                                                                                        GSE10273_HIGH_IL7_VS_HIGH_IL7_AND_IRF4_IN_IRF4_8_NULL_PRE_BCELL_DN, GSE10273_HIGH_IL7_VS_HIGH_IL7_AND_IRF4_IN_IRF4_8_NULL_PRE_BCELL_DN
                                                                                                                        GSE8921_UNSTIM_VS_TLR1_2_STIM_MONOCYTE_6H_DN, GSE8921_UNSTIM_VS_TLR1_2_STIM_MONOCYTE_6H_DN
                                                                                                                        GSE12484_HEALTHY_VS_PERIDONTITIS_NEUTROPHILS_DN, GSE12484_HEALTHY_VS_PERIDONTITIS_NEUTROPHILS_DN
                                                                                                                        GSE21546_WT_VS_SAP1A_KO_ANTI_CD3_STIM_DP_THYMOCYTES_UP, GSE21546_WT_VS_SAP1A_KO_ANTI_CD3_STIM_DP_THYMOCYTES_UP
                                                                                                                        GSE1448_CTRL_VS_ANTI_VALPHA2_DP_THYMOCYTE_UP, GSE1448_CTRL_VS_ANTI_VALPHA2_DP_THYMOCYTE_UP
                                                                                                                        GSE18281_CORTICAL_VS_MEDULLARY_THYMOCYTE_UP, GSE18281_CORTICAL_VS_MEDULLARY_THYMOCYTE_UP
                                                                                                                        GSE21379 WT VS SAP KO CD4 TCELL DN, GSE21379 WT VS SAP KO CD4 TCELL DN
                                                                                                                        GSE24210_TCONV_VS_TREG_DN, GSE24210_TCONV_VS_TREG_DN
                                                                                                                        GSE1432_CTRL_VS_IFNG_6H_MICROGLIA_DN, GSE1432_CTRL_VS_IFNG_6H_MICROGLIA_DN
                                                                                                                        GSE9509_LPS_VS_LPS_AND_IL10_STIM_IL10_KO_MACROPHAGE_30MIN_DN, GSE9509_LPS_VS_LPS_AND_IL10_STIM_IL10_KO_MACROPHAGE_30MIN_DN
                                                                                                                        GSE10273 HIGH IL7 VS HIGH IL7 AND IRF4 IN IRF4 8 NULL PRE BCELL UP, GSE10273 HIGH IL7 VS HIGH IL7 AND IRF4 IN IRF4 8 NULL PRE BCELL UP
                                                                                                                        GSE2405 0H VS 12H A PHAGOCYTOPHILUM STIM NEUTROPHIL DN, GSE2405 0H VS 12H A PHAGOCYTOPHILUM STIM NEUTROPHIL DN
                                                                                                                        GSE17721_PAM3CSK4_VS_CPG_1H_BMDC_UP, GSE17721_PAM3CSK4_VS_CPG_1H_BMDC_UP
                                                                                                                        GSE3982 MAC VS NKCELL UP, GSE3982 MAC VS NKCELL UP
                                                                                                                        GSE5542_IFNA_VS_IFNA_AND_IFNG_TREATED_EPITHELIAL_CELLS_24H_UP, GSE5542_IFNA_VS_IFNA_AND_IFNG_TREATED_EPITHELIAL_CELLS_24H_UP
                                                                                                                        GSE8515 IL1 VS IL6 4H STIM MAC UP, GSE8515 IL1 VS IL6 4H STIM MAC UP
                                                                                                                        GSE26030 TH1 VS TH17 DAY5 POST POLARIZATION UP, GSE26030 TH1 VS TH17 DAY5 POST POLARIZATION UP
                                                                                                                        GSE33292_DN3_THYMOCYTE_VS_TCF1_KO_TCELL_LYMPHOMA_UP, GSE33292_DN3_THYMOCYTE_VS_TCF1_KO_TCELL_LYMPHOMA_UP
                                                                                                                        GSE3982_DC_VS_MAC_LPS_STIM_DN, GSE3982_DC_VS_MAC_LPS_STIM_DN
                                                                                                                        GSE17580_TREG_VS_TEFF_S_MANSONI_INF_UP, GSE17580_TREG_VS_TEFF_S_MANSONI_INF_UP
                                                                                                                        GSE21546_WT_VS_SAP1A_KO_AND_ELK1_KO_ANTI_CD3_STIM_DP_THYMOCYTES_DN, GSE21546_WT_VS_SAP1A_KO_AND_ELK1_KO_ANTI_CD3_STIM_DP_THYMOCYTES_DN
                                                                                                                        GSE2770_UNTREATED_VS_IL12_TREATED_ACT_CD4_TCELL_6H_DN, GSE2770_UNTREATED_VS_IL12_TREATED_ACT_CD4_TCELL_6H_DN
                                                                                                                        GSE3982_BCELL_VS_NKCELL_UP, GSE3982_BCELL_VS_NKCELL_UP
                                                                                                                        GSE8921 UNSTIM VS TLR1 2 STIM MONOCYTE 3H UP, GSE8921 UNSTIM VS TLR1 2 STIM MONOCYTE 3H UP
                                                                                                                         GSE2826 XID VS BTK KO BCELL DN, GSE2826 XID VS BTK KO BCELL DN
                                                                                                                        GSE1432_CTRL_VS_IFNG_1H_MICROGLIA_DN, GSE1432_CTRL_VS_IFNG_1H_MICROGLIA_DN
                                                                                                                        GSE9037_WT_VS_IRAK4_KO_BMDM_DN, GSE9037_WT_VS_IRAK4_KO_BMDM_DN
                                                                                                                        GSE42021_TCONV_PLN_VS_CD24HI_TCONV_THYMUS_UP, GSE42021_TCONV_PLN_VS_CD24HI_TCONV_THYMUS_UP
                                                                                                                        GSE7509_UNSTIM_VS_FCGRIIB_STIM_DC_UP, GSE7509_UNSTIM_VS_FCGRIIB_STIM_DC_UP
                                                                                                                        GSE3920_IFNA_VS_IFNG_TREATED_ENDOTHELIAL_CELL_DN, GSE3920_IFNA_VS_IFNG_TREATED_ENDOTHELIAL_CELL_DN
                                                                                                                        GSE39556_UNTREATED_VS_3H_POLYIC_INJ_MOUSE_NK_CELL_UP, GSE39556_UNTREATED_VS_3H_POLYIC_INJ_MOUSE_NK_CELL_UP
                                                                                                                        GSE11961_MARGINAL_ZONE_BCELL_VS_PLASMA_CELL_DAY7_DN, GSE11961_MARGINAL_ZONE_BCELL_VS_PLASMA_CELL_DAY7_DN
                                                                                                                        GSE2405_HEAT_KILLED_VS_LIVE_A_PHAGOCYTOPHILUM_STIM_NEUTROPHIL_9H_DN, GSE2405_HEAT_KILLED_VS_LIVE_A_PHAGOCYTOPHILUM_STIM_NEUTROPHIL_9H_DN
                                                                                                                        GSE2405_HEAT_KILLED_LYSATE_VS_LIVE_A_PHAGOCYTOPHILUM_STIM_NEUTROPHIL_24H_DN, GSE2405_HEAT_KILLED_LYSATE_VS_LIVE_A_PHAGOCYTOPHILUM_STIM_NEUTROPHIL_24H_DN
                                                                                                                        GSE22611_UNSTIM_VS_6H_MDP_STIM_NOD2_TRANSDUCED_HEK293T_CELL_UP, GSE22611_UNSTIM_VS_6H_MDP_STIM_NOD2_TRANSDUCED_HEK293T_CELL_UP
                                                                                                                        GSE42021_CD24HI_VS_CD24LOW_TCONV_THYMUS_DN, GSE42021_CD24HI_VS_CD24LOW_TCONV_THYMUS_DN
                                                                                                                        GSE15930_STIM_VS_STIM_AND_IFNAB_48H_CD8_T_CELL_DN, GSE15930_STIM_VS_STIM_AND_IFNAB_48H_CD8_T_CELL_DN
                                                                                                                        TSANG_PBMC_FLUVIRIN_PANDEMRIX_ADULT_CORR_WITH_CELL_FREQ_CD27HI_CD38HI_CD20_NEG_PLASMABLASTS_AND_CD38PLUS_OF_IGD_CD2

TSANG_PBMC_FLUVIRIN_PANDEMRIX_ADULT_CORR_WITH_CELL_FREQ_CD27HI_CD38HI_CD20_NEG_PLASMABLASTS_AND_CD38PLUS_OF_IGD_CD2

TSANG_PBMC_FLUVIRIN_PANDEMRIX_ADULT_CORR_WITH_CELL_FREQ_CD27HI_CD38HI_CD20_NEG_PLASMABLASTS_AND_CD38PLUS_OF_IGD_CD2
                                                                                                                        GSE45365_HEALTHY_VS_MCMV_INFECTION_CD11B_DC_IFNAR_KO_DN, GSE45365_HEALTHY_VS_MCMV_INFECTION_CD11B_DC_IFNAR_KO_DN
                                                                                                                        GSE15930_STIM_VS_STIM_AND_IL12_48H_CD8_T_CELL_DN, GSE15930_STIM_VS_STIM_AND_IL12_48H_CD8_T_CELL_DN
                                                                                                                        GSE45365 NK CELL VS CD11B DC MCMV INFECTION UP, GSE45365 NK CELL VS CD11B DC MCMV INFECTION UP
                                                                                                                        GSE24142_EARLY_THYMIC_PROGENITOR_VS_DN2_THYMOCYTE_DN, GSE24142_EARLY_THYMIC_PROGENITOR_VS_DN2_THYMOCYTE_DN
                                                                                                                        GSE4811_CLASSSICALY_ACTIVATED_VS_TYPE_2_ACTIVATED_MACROPHAGE_UP, GSE4811_CLASSSICALY_ACTIVATED_VS_TYPE_2_ACTIVATED_MACROPHAGE_UP
                                                                                                                        GSE43955_TH0_VS_TGFB_IL6_TH17_ACT_CD4_TCELL_10H_UP, GSE43955_TH0_VS_TGFB_IL6_TH17_ACT_CD4_TCELL_10H_UP
                                                                                                                        HOEK_NK_CELL_2011_2012_TIV_7D_VS_0DY_ADULT_7D_DN, HOEK_NK_CELL_2011_2012_TIV_7D_VS_0DY_ADULT_7D_DN
                                                                                                                        GSE39110_UNTREATED_VS_IL2_TREATED_CD8_TCELL_DAY6_POST_IMMUNIZATION_DN, GSE39110_UNTREATED_VS_IL2_TREATED_CD8_TCELL_DAY6_POST_IMMUNIZATION_DN
                                                                                                                        GSE22886_TH1_VS_TH2_12H_ACT_UP, GSE22886_TH1_VS_TH2_12H_ACT_UP
                                                                                                                        GSE6875_WT_VS_FOXP3_KO_TREG_DN, GSE6875_WT_VS_FOXP3_KO_TREG_DN
                                                                                                                        GSE17974_0H_VS_0.5H_IN_VITRO_ACT_CD4_TCELL_UP, GSE17974_0H_VS_0.5H_IN_VITRO_ACT_CD4_TCELL_UP
                                                                                                                        GSE3920_UNTREATED_VS_IFNG_TREATED_FIBROBLAST_UP, GSE3920_UNTREATED_VS_IFNG_TREATED_FIBROBLAST_UP
                                                                                                                        GSE17721_CTRL_VS_POLYIC_12H_BMDC_DN, GSE17721_CTRL_VS_POLYIC_12H_BMDC_DN
                                                                                                                        GSE11961_UNSTIM_VS_ANTI_IGM_AND_CD40_STIM_6H_FOLLICULAR_BCELL_UP, GSE11961_UNSTIM_VS_ANTI_IGM_AND_CD40_STIM_6H_FOLLICULAR_BCELL_UP
                                                                                                                        GSE46025_WT_VS_FOXO1_KO_KLRG1_LOW_CD8_EFFECTOR_TCELL_UP, GSE46025_WT_VS_FOXO1_KO_KLRG1_LOW_CD8_EFFECTOR_TCELL_UP
                                                                                                                        DHIMAN_PBMC_ATTENUVAX_AGE_15_25YO_SUBQ_7_OR_14DY_DN, DHIMAN_PBMC_ATTENUVAX_AGE_15_25YO_SUBQ_7_OR_14DY_DN
                                                                                                                        GSE27786_BCELL_VS_CD4_TCELL_DN, GSE27786_BCELL_VS_CD4_TCELL_DN
                                                                                                                        GSE18893_TCONV_VS_TREG_24H_CULTURE_UP, GSE18893_TCONV_VS_TREG_24H_CULTURE_UP
                                                                                                                        GSE21546_WT_VS_SAP1A_KO_AND_ELK1_KO_ANTI_CD3_STIM_DP_THYMOCYTES_UP, GSE21546_WT_VS_SAP1A_KO_AND_ELK1_KO_ANTI_CD3_STIM_DP_THYMOCYTES_UP
                                                                                                                        GSE17721_POLYIC_VS_CPG_4H_BMDC_DN, GSE17721_POLYIC_VS_CPG_4H_BMDC_DN
                                                                                                                        GSE10325_CD4_TCELL_VS_BCELL_UP, GSE10325_CD4_TCELL_VS_BCELL_UP
                                                                                                                        GSE2770_UNTREATED_VS_IL4_TREATED_ACT_CD4_TCELL_2H_UP, GSE2770_UNTREATED_VS_IL4_TREATED_ACT_CD4_TCELL_2H_UP
                                                                                                                        GSE7219 WT VS NIK NFKB2 KO LPS AND ANTI CD40 STIM DC UP, GSE7219 WT VS NIK NFKB2 KO LPS AND ANTI CD40 STIM DC UP
                                                                                                                        GSE21546_UNSTIM_VS_ANTI_CD3_STIM_SAP1A_KO_DP_THYMOCYTES_UP, GSE21546_UNSTIM_VS_ANTI_CD3_STIM_SAP1A_KO_DP_THYMOCYTES_UP
                                                                                                                        GSE13306_LAMINA_PROPRIA_VS_SPLEEN_TREG_DN, GSE13306_LAMINA_PROPRIA_VS_SPLEEN_TREG_DN
                                                                                                                        GSE46606_DAY1_VS_DAY3_CD40L_IL2_IL5_STIMULATED_BCELL_UP, GSE46606_DAY1_VS_DAY3_CD40L_IL2_IL5_STIMULATED_BCELL_UP
                                                                                                                        GSE17721_PAM3CSK4_VS_GADIQUIMOD_16H_BMDC_UP, GSE17721_PAM3CSK4_VS_GADIQUIMOD_16H_BMDC_UP
                                                                                                                        GSE21670_UNTREATED_VS_IL6_TREATED_STAT3_KO_CD4_TCELL_UP, GSE21670_UNTREATED_VS_IL6_TREATED_STAT3_KO_CD4_TCELL_UP
                                                                                                                        GSE40274_CTRL_VS_FOXP3_AND_IRF4_TRANSDUCED_ACTIVATED_CD4_TCELL_DN, GSE40274_CTRL_VS_FOXP3_AND_IRF4_TRANSDUCED_ACTIVATED_CD4_TCELL_DN
                                                                                                                        GSE21927_SPLENIC_VS_TUMOR_MONOCYTES_FROM_C26GM_TUMOROUS_MICE_BALBC_UP, GSE21927_SPLENIC_VS_TUMOR_MONOCYTES_FROM_C26GM_TUMOROUS_MICE_BALBC_UP
                                                                                                                        GSE29618_PRE_VS_DAY7_FLU_VACCINE_MONOCYTE_UP, GSE29618_PRE_VS_DAY7_FLU_VACCINE_MONOCYTE_UP
                                                                                                                        GSE24634_IL4_VS_CTRL_TREATED_NAIVE_CD4_TCELL_DAY10_UP, GSE24634_IL4_VS_CTRL_TREATED_NAIVE_CD4_TCELL_DAY10_UP
                                                                                                                        GSE360 L DONOVANI VS M TUBERCULOSIS MAC DN, GSE360 L DONOVANI VS M TUBERCULOSIS MAC DN
                                                                                                                        GSE3920_IFNA_VS_IFNG_TREATED_FIBROBLAST_DN, GSE3920_IFNA_VS_IFNG_TREATED_FIBROBLAST_DN
                                                                                                                        GSE15930_NAIVE_VS_24H_IN_VITRO_STIM_IL12_CD8_TCELL_UP, GSE15930_NAIVE_VS_24H_IN_VITRO_STIM_IL12_CD8_TCELL_UP
                                                                                                                        GSE17721_CTRL_VS_GARDIQUIMOD_1H_BMDC_UP, GSE17721_CTRL_VS_GARDIQUIMOD_1H_BMDC_UP
                                                                                                                        GSE17974_0H_VS_0.5H_IN_VITRO_ACT_CD4_TCELL_DN, GSE17974_0H_VS_0.5H_IN_VITRO_ACT_CD4_TCELL_DN
                                                                                                                        GSE40184_HEALTHY_VS_HCV_INFECTED_DONOR_PBMC_UP, GSE40184_HEALTHY_VS_HCV_INFECTED_DONOR_PBMC_UP
                                                                                                                        GSE23114_PERITONEAL_CAVITY_B1A_BCELL_VS_SPLEEN_BCELL_IN_SLE2C1_MOUSE_UP, GSE23114_PERITONEAL_CAVITY_B1A_BCELL_VS_SPLEEN_BCELL_IN_SLE2C1_MOUSE_UP
                                                                                                                        GSE44649 WT VS MIR155 KO NAIVE CD8 TCELL DN, GSE44649 WT VS MIR155 KO NAIVE CD8 TCELL DN
                                                                                                                        CAO_BLOOD_FLUMIST_AGE_05_14YO_1DY_UP, CAO_BLOOD_FLUMIST_AGE_05_14YO_1DY_UP
                                                                                                                        GSE27241 CTRL VS DIGOXIN TREATED CD4 TCELL IN TH17 POLARIZING CONDITIONS UP, GSE27241 CTRL VS DIGOXIN TREATED CD4 TCELL IN TH17 POLARIZING CONDITIONS UP
                                                                                                                        GSE17580 TREG VS TEFF UP, GSE17580 TREG VS TEFF UP
                                                                                                                        GSE40274_CTRL_VS_FOXP3_AND_IRF4_TRANSDUCED_ACTIVATED_CD4_TCELL_UP, GSE40274_CTRL_VS_FOXP3_AND_IRF4_TRANSDUCED_ACTIVATED_CD4_TCELL_UP
                                                                                                                        GSE8921_UNSTIM_0H_VS_TLR1_2_STIM_MONOCYTE_3H_UP, GSE8921_UNSTIM_0H_VS_TLR1_2_STIM_MONOCYTE_3H_UP
                                                                                                                        GSE40441_NRP1_POS_INDUCED_TREG_VS_NRP1_NEG_NATURAL_TREG_UP, GSE40441_NRP1_POS_INDUCED_TREG_VS_NRP1_NEG_NATURAL_TREG_UP
                                                                                                                        GSE360_CTRL_VS_B_MALAYI_LOW_DOSE_DC_UP, GSE360_CTRL_VS_B_MALAYI_LOW_DOSE_DC_UP
                                                                                                                        GSE15330_HSC_VS_MEGAKARYOCYTE_ERYTHROID_PROGENITOR_IKAROS_KO_DN, GSE15330_HSC_VS_MEGAKARYOCYTE_ERYTHROID_PROGENITOR_IKAROS_KO_DN
                                                                                                                        GSE1460 INTRATHYMIC T PROGENITOR VS DP THYMOCYTE UP, GSE1460 INTRATHYMIC T PROGENITOR VS DP THYMOCYTE UP
                                                                                                                        GSE12707_AT16L1_HYPOMORPH_VS_WT_THYMUS_UP, GSE12707_AT16L1_HYPOMORPH_VS_WT_THYMUS_UP
                                                                                                                        GSE29618_LAIV_VS_TIV_FLU_VACCINE_DAY7_MDC_DN, GSE29618_LAIV_VS_TIV_FLU_VACCINE_DAY7_MDC_DN
                                                                                                                        GSE27786_NKCELL_VS_MONO_MAC_DN, GSE27786_NKCELL_VS_MONO_MAC_DN
                                                                                                                        GSE34156_NOD2_LIGAND_VS_TLR1_TLR2_LIGAND_6H_TREATED_MONOCYTE_DN, GSE34156_NOD2_LIGAND_VS_TLR1_TLR2_LIGAND_6H_TREATED_MONOCYTE_DN
                                                                                                                        GSE22589_SIV_VS_HIV_AND_SIV_INFECTED_DC_DN, GSE22589_SIV_VS_HIV_AND_SIV_INFECTED_DC_DN
                                                                                                                        GSE12366_PLASMA_CELL_VS_NAIVE_BCELL_UP, GSE12366_PLASMA_CELL_VS_NAIVE_BCELL_UP
                                                                                                                        GSE4590_SMALL_VS_LARGE_PRE_BCELL_DN, GSE4590_SMALL_VS_LARGE_PRE_BCELL_DN
                                                                                                                        GSE22935_WT_VS_MYD88_KO_MACROPHAGE_12H_MBOVIS_BCG_STIM_UP, GSE22935_WT_VS_MYD88_KO_MACROPHAGE_12H_MBOVIS_BCG_STIM_UP
                                                                                                                        GSE3982_CTRL_VS_LPS_48H_DC_UP, GSE3982_CTRL_VS_LPS_48H_DC_UP
                                                                                                                        GSE3982_MAC_VS_NEUTROPHIL_LPS_STIM_DN, GSE3982_MAC_VS_NEUTROPHIL_LPS_STIM_DN
                                                                                                                        GSE22601_DOUBLE_NEGATIVE_VS_CD8_SINGLE_POSITIVE_THYMOCYTE_DN, GSE22601_DOUBLE_NEGATIVE_VS_CD8_SINGLE_POSITIVE_THYMOCYTE_DN
                                                                                                                        ANDERSON_BLOOD_CN54GP140_ADJUVANTED_WITH_GLA_AF_AGE_18_45YO_HIGH_IGM_RESPONDERS_3DY_7D_DN, ANDERSON_BLOOD_CN54GP140_ADJUVANTED_WITH_GLA_AF_AGE_18_45YO_HIGH_IGM_RESPONDERS_3DY_7D_DN
                                                                                                                        GSE10240_IL22_VS_IL22_AND_IL17_STIM_PRIMARY_BRONCHIAL_EPITHELIAL_CELLS_DN, GSE10240_IL22_VS_IL22_AND_IL17_STIM_PRIMARY_BRONCHIAL_EPITHELIAL_CELLS_DN
                                                                                                                        GSE9509_10MIN_VS_30MIN_LPS_AND_IL10_STIM_IL10_KO_MACROPHAGE_DN, GSE9509_10MIN_VS_30MIN_LPS_AND_IL10_STIM_IL10_KO_MACROPHAGE_DN
                                                                                                                        GSE15930_NAIVE_VS_24H_IN_VITRO_STIM_INFAB_CD8_TCELL_UP, GSE15930_NAIVE_VS_24H_IN_VITRO_STIM_INFAB_CD8_TCELL_UP
                                                                                                                        GSE24972_MARGINAL_ZONE_BCELL_VS_FOLLICULAR_BCELL_IRF8_KO_DN, GSE24972_MARGINAL_ZONE_BCELL_VS_FOLLICULAR_BCELL_IRF8_KO_DN
                                                                                                                        GSE24210_IL35_TREATED_VS_UNTREATED_TCONV_CD4_TCELL_DN, GSE24210_IL35_TREATED_VS_UNTREATED_TCONV_CD4_TCELL_DN
                                                                                                                        GSE37301_LYMPHOID_PRIMED_MPP_VS_PRO_BCELL_DN, GSE37301_LYMPHOID_PRIMED_MPP_VS_PRO_BCELL_DN
                                                                                                                        GSE6674_UNSTIM_VS_PL2_3_STIM_BCELL_UP, GSE6674_UNSTIM_VS_PL2_3_STIM_BCELL_UP
                                                                                                                        GSE15324_ELF4_KO_VS_WT_ACTIVATED_CD8_TCELL_DN, GSE15324_ELF4_KO_VS_WT_ACTIVATED_CD8_TCELL_DN
                                                                                                                        GSE4748_CTRL_VS_LPS_STIM_DC_3H_UP, GSE4748_CTRL_VS_LPS_STIM_DC_3H_UP
                                                                                                                        GSE11367_CTRL_VS_IL17_TREATED_SMOOTH_MUSCLE_CELL_UP, GSE11367_CTRL_VS_IL17_TREATED_SMOOTH_MUSCLE_CELL_UP
                                                                                                                        GSE36078_WT_VS_IL1R_KO_LUNG_DC_UP, GSE36078_WT_VS_IL1R_KO_LUNG_DC_UP
                                                                                                                        GSE5589 LPS VS LPS AND IL10 STIM IL10 KO MACROPHAGE 180MIN UP, GSE5589 LPS VS LPS AND IL10 STIM IL10 KO MACROPHAGE 180MIN UP
                                                                                                                        GSE37336_LY6C_POS_VS_NEG_NAIVE_CD4_TCELL_UP, GSE37336_LY6C_POS_VS_NEG_NAIVE_CD4_TCELL_UP
                                                                                                                        GSE12505 WT VS E2 2 HET PDC UP, GSE12505 WT VS E2 2 HET PDC UP
                                                                                                                        GSE17721_LPS_VS_CPG_0.5H_BMDC_DN, GSE17721_LPS_VS_CPG_0.5H_BMDC_DN
                                                                                                                        GSE1566_WT_VS_EZH2_KO_LN_TCELL_DN, GSE1566_WT_VS_EZH2_KO_LN_TCELL_DN
                                                                                                                        GSE7459_UNTREATED_VS_IL6_TREATED_ACT_CD4_TCELL_UP, GSE7459_UNTREATED_VS_IL6_TREATED_ACT_CD4_TCELL_UP
                                                                                                                        GSE2585_CTEC_VS_THYMIC_DC_UP, GSE2585_CTEC_VS_THYMIC_DC_UP
                                                                                                                        GSE14350_IL2RB_KO_VS_WT_TEFF_DN, GSE14350_IL2RB_KO_VS_WT_TEFF_DN
                                                                                                                        GSE5589 WT VS IL6 KO LPS AND IL10 STIM MACROPHAGE 180MIN DN, GSE5589 WT VS IL6 KO LPS AND IL10 STIM MACROPHAGE 180MIN DN
                                                                                                                        GSE43863_TFH_VS_LY6C_INT_CXCR5POS_EFFECTOR_CD4_TCELL_DN, GSE43863_TFH_VS_LY6C_INT_CXCR5POS_EFFECTOR_CD4_TCELL_DN
                                                                                                                        GSE15659_TREG_VS_TCONV_DN, GSE15659_TREG_VS_TCONV_DN
                                                                                                                        GSE18791_UNSTIM_VS_NEWCATSLE_VIRUS_DC_10H_DN, GSE18791_UNSTIM_VS_NEWCATSLE_VIRUS_DC_10H_DN
                                                                                                                        GSE27786 BCELL VS MONO MAC DN, GSE27786 BCELL VS MONO MAC DN
                                                                                                                        SOBOLEV_PBMC_PANDEMRIX_AGE_18_64YO_HIGH_VS_LOW_RESPONDERS_MEDIUM_HIGH_ADVERSE_EVENTS_SCORE_1DY_TRANSIENT_UP, SOBOLEV_PBMC_PANDEMRIX_AGE_18_64YO_HIGH_VS_LOW_RESPONDERS_MEDIUM_HIGH_ADVERSE_EVENTS_SCORE_1DY_TRANSIENT_UP
                                                                                                                        GSE6875_TCONV_VS_FOXP3_KO_TREG_UP, GSE6875_TCONV_VS_FOXP3_KO_TREG_UP
                                                                                                                        CAO_BLOOD_FLUMIST_AGE_05_14YO_30DY_UP, CAO_BLOOD_FLUMIST_AGE_05_14YO_30DY_UP
                                                                                                                         HOEK_MONOCYTE_2011_2012_TIV_ADULT_3DY_DN, HOEK_MONOCYTE_2011_2012_TIV_ADULT_3DY_DN
                                                                                                                        GSE26023_PHD3_KO_VS_WT_NEUTROPHIL_HYPOXIA_UP, GSE26023_PHD3_KO_VS_WT_NEUTROPHIL_HYPOXIA_UP
                                                                                                                        GSE13306_RA_VS_UNTREATED_TCONV_DN, GSE13306_RA_VS_UNTREATED_TCONV_DN
                                                                                                                        GSE7218_UNSTIM_VS_ANTIGEN_STIM_THROUGH_IGM_BCELL_UP, GSE7218_UNSTIM_VS_ANTIGEN_STIM_THROUGH_IGM_BCELL_UP
                                                                                                                        CAO_BLOOD_FLUMIST_AGE_05_14YO_7DY_UP, CAO_BLOOD_FLUMIST_AGE_05_14YO_7DY_UP
                                                                                                                        FOURATI BLOOD TWINRIX AGE 65 81Y0 RESPONDERS VS POOR RESPONDERS TRAINING SET 0DY NETWORK INFERENCE UP, FOURATI BLOOD TWINRIX AGE 65 81Y0 RESPONDERS TRAINING SET 0DY NETWORK INFERENCE UP
                                                                                                                        GSE13547_CTRL_VS_ANTI_IGM_STIM_ZFX_KO_BCELL_12H_DN, GSE13547_CTRL_VS_ANTI_IGM_STIM_ZFX_KO_BCELL_12H_DN
                                                                                                                        GSE19401_RETINOIC_ACID_VS_RETINOIC_ACID_AND_PAM2CSK4_STIM_FOLLICULAR_DC_UP, GSE19401_RETINOIC_ACID_VS_RETINOIC_ACID_AND_PAM2CSK4_STIM_FOLLICULAR_DC_UP
                                                                                                                        GSE15930_NAIVE_VS_48H_IN_VITRO_STIM_IFNAB_CD8_TCELL_UP, GSE15930_NAIVE_VS_48H_IN_VITRO_STIM_IFNAB_CD8_TCELL_UP
                                                                                                                         GSE30962_PRIMARY_VS_SECONDARY_CHRONIC_LCMV_INF_CD8_TCELL_DN, GSE30962_PRIMARY_VS_SECONDARY_CHRONIC_LCMV_INF_CD8_TCELL_DN
                                                                                                                        GSE15930 NAIVE VS 24H IN VITRO STIM CD8 TCELL UP, GSE15930 NAIVE VS 24H IN VITRO STIM CD8 TCELL UP
                                                                                                                        FOURATI_BLOOD_TWINRIX_AGE_65_81YO_RESPONDERS_VS_POOR_RESPONDERS_TRAINING_SET_0DY_NETWORK_INFERENCE_DN, FOURATI_BLOOD_TWINRIX_AGE_65_81YO_RESPONDERS_TRAINING_SET_0DY_NETWORK_INFERENCE_DN
                                                                                                                         GSE14350_TREG_VS_TEFF_IN_IL2RB_KO_DN, GSE14350_TREG_VS_TEFF_IN_IL2RB_KO_DN
                                                                                                                        GSE35435_RESTING_VS_IL4_TREATED_MACROPHAGE_DN, GSE35435_RESTING_VS_IL4_TREATED_MACROPHAGE_DN
                                                                                                                         GSE13762_CTRL_VS_125_VITAMIND_DAY5_DC_DN, GSE13762_CTRL_VS_125_VITAMIND_DAY5_DC_DN
                                                                                                                         GSE14415_NATURAL_TREG_VS_FOXP3_KO_NATURAL_TREG_UP, GSE14415_NATURAL_TREG_VS_FOXP3_KO_NATURAL_TREG_UP
                                                                                                                        GSE28237 FOLLICULAR VS LATE GC BCELL UP, GSE28237 FOLLICULAR VS LATE GC BCELL UP
                                                                                                                        GSE12198_CTRL_VS_HIGH_IL2_STIM_NK_CELL_UP, GSE12198_CTRL_VS_HIGH_IL2_STIM_NK_CELL_UP
                                                                                                                        GSE18804_BRAIN_VS_COLON_TUMORAL_MACROPHAGE_UP, GSE18804_BRAIN_VS_COLON_TUMORAL_MACROPHAGE_UP
                                                                                                                        GSE25088_CTRL_VS_ROSIGLITAZONE_STIM_MACROPHAGE_DN, GSE25088_CTRL_VS_ROSIGLITAZONE_STIM_MACROPHAGE_DN
                                                                                                                        GSE17974_IL4_AND_ANTI_IL12_VS_UNTREATED_72H_ACT_CD4_TCELL_UP, GSE17974_IL4_AND_ANTI_IL12_VS_UNTREATED_72H_ACT_CD4_TCELL_UP
                                                                                                                        GSE45365_HEALTHY_VS_MCMV_INFECTION_CD11B_DC_DN, GSE45365_HEALTHY_VS_MCMV_INFECTION_CD11B_DC_DN
                                                                                                                        GSE15659 CD45RA NEG CD4 TCELL VS_NONSUPPRESSIVE_TCELL_UP, GSE15659 CD45RA_NEG_CD4_TCELL_VS_NONSUPPRESSIVE_TCELL_UP
                                                                                                                        GSE17721_LPS_VS_PAM3CSK4_2H_BMDC_DN, GSE17721_LPS_VS_PAM3CSK4_2H_BMDC_DN
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GSE22025\_UNTREATED\_VS\_PROGESTERONE\_TREATED\_CD4\_TCELL\_UP, GSE22025\_UNTREATED\_VS\_PROGESTERONE\_TREATED\_CD4\_TCELL\_UP

GSE39820\_IL1B\_IL6\_VS\_IL1B\_IL6\_IL23A\_TREATED\_CD4\_TCELL\_UP, GSE39820\_IL1B\_IL6\_VS\_IL1B\_IL6\_IL23A\_TREATED\_CD4\_TCELL\_UP

GSE13306\_TREG\_VS\_TCONV\_SPLEEN\_UP, GSE13306\_TREG\_VS\_TCONV\_SPLEEN\_UP

GSE14415\_TCONV\_VS\_FOXP3\_KO\_INDUCED\_TREG\_DN, GSE14415\_TCONV\_VS\_FOXP3\_KO\_INDUCED\_TREG\_DN

GSE19825\_CD24LOW\_VS\_IL2RA\_HIGH\_DAY3\_EFF\_CD8\_TCELL\_DN, GSE19825\_CD24LOW\_VS\_IL2RA\_HIGH\_DAY3\_EFF\_CD8\_TCELL\_DN

GSE7764\_IL15\_TREATED\_VS\_CTRL\_NK\_CELL\_24H\_UP, GSE7764\_IL15\_TREATED\_VS\_CTRL\_NK\_CELL\_24H\_UP