```
GSE5463_CTRL_VS_DEXAMETHASONE_TREATED_THYMOCYTE_UP, GSE5463_CTRL_VS_DEXAMETHASONE_TREATED_THYMOCYTE_UP
                                                                                                                               GSE339_EX_VIVO_VS_IN_CULTURE_CD8POS_DC_UP, GSE339_EX_VIVO_VS_IN_CULTURE_CD8POS_DC_UP
                                                                                                                               GSE35685_CD34POS_CD10NEG_CD62LPOS_VS_CD34POS_CD10POS_BONE_MARROW_UP, GSE35685_CD34POS_CD10NEG_CD62LPOS_VS_CD34POS_CD10POS_BONE_MARROW_UP
                                                                                                                               GSE22935_UNSTIM_VS_12H_MBOVIS_BCG_STIM_MACROPHAGE_UP, GSE22935_UNSTIM_VS_12H_MBOVIS_BCG_STIM_MACROPHAGE_UP
                                                                                                                               GSE5503_LIVER_DC_VS_MLN_DC_ACTIVATED_ALLOGENIC_TCELL_DN, GSE5503_LIVER_DC_VS_MLN_DC_ACTIVATED_ALLOGENIC_TCELL_DN
                                                                                                                               GSE7831_CPG_VS_INFLUENZA_STIM_PDC_1H_UP, GSE7831_CPG_VS_INFLUENZA_STIM_PDC_1H_UP
                                                                                                                               GSE7852_LN_VS_FAT_TREG_UP, GSE7852_LN_VS_FAT_TREG_UP
                                                                                                                               GSE1460_CORD_VS_ADULT_BLOOD_NAIVE_CD4_TCELL_DN, GSE1460_CORD_VS_ADULT_BLOOD_NAIVE_CD4_TCELL_DN
                                                                                                                               GSE9960_GRAM_POS_VS_GRAM_NEG_AND_POS_SEPSIS_PBMC_UP, GSE9960_GRAM_POS_VS_GRAM_NEG_AND_POS_SEPSIS_PBMC_UP
                                                                                                                               GSE9601_NFKB_INHIBITOR_VS_PI3K_INHIBITOR_TREATED_HCMV_INF_MONOCYTE_UP, GSE9601_NFKB_INHIBITOR_VS_PI3K_INHIBITOR_TREATED_HCMV_INF_MONOCYTE_UP
                                                                                                                              GSE46606 DAY1_VS_DAY3_CD40L_IL2_IL5_STIMULATED_IRF4HIGH_BCELL_UP, GSE46606_DAY1_VS_DAY3_CD40L_IL2_IL5_STIMULATED_IRF4HIGH_BCELL_UP
                                                                                                                              GSE19923_HEB_KO_VS_HEB_AND_E2A_KO_DP_THYMOCYTE_UP, GSE19923_HEB_KO_VS_HEB_AND_E2A_KO_DP_THYMOCYTE_UP
                                                                                                                               GSE35825 UNTREATED VS IFNG STIM MACROPHAGE DN, GSE35825 UNTREATED VS IFNG STIM MACROPHAGE DN
                                                                                                                               GSE12845_PRE_GC_VS_DARKZONE_GC_TONSIL_BCELL_DN, GSE12845_PRE_GC_VS_DARKZONE_GC_TONSIL_BCELL_DN
                                                                                                                               GSE9650 EFFECTOR VS EXHAUSTED CD8 TCELL UP, GSE9650 EFFECTOR VS EXHAUSTED CD8 TCELL UP
                                                                                                                              GSE13484_12H_VS_3H_YF17D_VACCINE_STIM_PBMC_UP, GSE13484_12H_VS_3H_YF17D_VACCINE_STIM_PBMC_UP
                                                                                                                               GSE22935_24H_VS_48H_MBOVIS_BCG_STIM_MACROPHAGE_DN, GSE22935_24H_VS_48H_MBOVIS_BCG_STIM_MACROPHAGE_DN
                                                                                                                              GSE12392_CD8A_POS_VS_NEG_SPLEEN_IFNB_KO_DC_UP, GSE12392_CD8A_POS_VS_NEG_SPLEEN_IFNB_KO_DC_UP
                                                                                                                              GSE411_100MIN_VS_400MIN_IL6_STIM_SOCS3_KO_MACROPHAGE_DN, GSE411_100MIN_VS_400MIN_IL6_STIM_SOCS3_KO_MACROPHAGE_DN
                                                                                                                              GSE40273_GATA1_KO_VS_WT_TREG_DN, GSE40273_GATA1_KO_VS_WT_TREG_DN
                                                                                                                              GSE2770_UNTREATED_VS_IL4_TREATED_ACT_CD4_TCELL_48H_UP, GSE2770_UNTREATED_VS_IL4_TREATED_ACT_CD4_TCELL_48H_UP
                                                                                                                               GSE22886 CD8 VS CD4 NAIVE TCELL UP, GSE22886 CD8 VS CD4 NAIVE TCELL UP
                                                                                                                               GSE41867_DAY6_VS_DAY15_LCMV_ARMSTRONG_EFFECTOR_CD8_TCELL_DN, GSE41867_DAY6_VS_DAY15_LCMV_ARMSTRONG_EFFECTOR_CD8_TCELL_DN
                                                                                                                               GSE557_CIITA_KO_VS_I_AB_KO_DC_UP, GSE557_CIITA_KO_VS_I_AB_KO_DC_UP
                                                                                                                               GSE23925_DARK_ZONE_VS_NAIVE_BCELL_UP, GSE23925_DARK_ZONE_VS_NAIVE_BCELL_UP
                                                                                                                               GSE2197_IMMUNOSUPPRESSIVE_DNA_VS_UNTREATEDIN_DC_DN, GSE2197_IMMUNOSUPPRESSIVE_DNA_VS_UNTREATEDIN_DC_DN
                                                                                                                               GSE24634_TEFF_VS_TCONV_DAY5_IN_CULTURE_DN, GSE24634_TEFF_VS_TCONV_DAY5_IN_CULTURE_DN
                                                                                                                               GSE37301_MULTIPOTENT_PROGENITOR_VS_COMMON_LYMPHOID_PROGENITOR_UP, GSE37301_MULTIPOTENT_PROGENITOR_VS_COMMON_LYMPHOID_PROGENITOR_UP
                                                                                                                               GSE411_UNSTIM_VS_100MIN_IL6_STIM_MACROPHAGE_DN, GSE411_UNSTIM_VS_100MIN_IL6_STIM_MACROPHAGE_DN
                                                                                                                               GSE17721_CTRL_VS_GARDIQUIMOD_6H_BMDC_UP, GSE17721_CTRL_VS_GARDIQUIMOD_6H_BMDC_UP
                                                                                                                               GSE17721_CTRL_VS_CPG_8H_BMDC_UP, GSE17721_CTRL_VS_CPG_8H_BMDC_UP
                                                                                                                               GSE36392_MAC_VS_NEUTROPHIL_IL25_TREATED_LUNG_UP, GSE36392_MAC_VS_NEUTROPHIL_IL25_TREATED_LUNG_UP
                                                                                                                              GSE46143_CTRL_VS_LMP2A_TRANSDUCED_CD10_POS_GC_BCELL_DN, GSE46143_CTRL_VS_LMP2A_TRANSDUCED_CD10_POS_GC_BCELL_DN
                                                                                                                               GSE17721_CTRL_VS_POLYIC_0.5H_BMDC_UP, GSE17721_CTRL_VS_POLYIC_0.5H_BMDC_UP
                                                                                                                               GSE16385_IFNG_TNF_VS_UNSTIM_MACROPHAGE_ROSIGLITAZONE_TREATED_DN, GSE16385_IFNG_TNF_VS_UNSTIM_MACROPHAGE_ROSIGLITAZONE_TREATED_DN
                                                                                                                               GSE17721_PAM3CSK4_VS_GADIQUIMOD_24H_BMDC_DN, GSE17721_PAM3CSK4_VS_GADIQUIMOD_24H_BMDC_DN
                                                                                                                               GSE10273_HIGH_VS_LOW_IL7_TREATED_IRF4_8_NULL_PRE_BCELL_DN, GSE10273_HIGH_VS_LOW_IL7_TREATED_IRF4_8_NULL_PRE_BCELL_DN
                                                                                                                              GSE17721_LPS_VS_POLYIC_8H_BMDC_UP, GSE17721_LPS_VS_POLYIC_8H_BMDC_UP
                                                                                                                               GSE20715_WT_VS_TLR4_KO_24H_OZONE_LUNG_DN, GSE20715_WT_VS_TLR4_KO_24H_OZONE_LUNG_DN
                                                                                                                               GSE15330_HSC_VS_LYMPHOID_PRIMED_MULTIPOTENT_PROGENITOR_IKAROS_KO_UP, GSE15330_HSC_VS_LYMPHOID_PRIMED_MULTIPOTENT_PROGENITOR_IKAROS_KO_UP
                                                                                                                              GSE3720_VD1_VS_VD2_GAMMADELTA_TCELL_WITH_PMA_STIM_DN, GSE3720_VD1_VS_VD2_GAMMADELTA_TCELL_WITH_PMA_STIM_DN
                                                                                                                              GSE3039_NKT_CELL_VS_ALPHABETA_CD8_TCELL_DN, GSE3039_NKT_CELL_VS_ALPHABETA_CD8_TCELL_DN
                                                                                                                              GSE12198_CTRL_VS_LOW_IL2_STIM_NK_CELL_UP, GSE12198_CTRL_VS_LOW_IL2_STIM_NK_CELL_UP
L10_STIM_IL10_KO_MACROPHAGE_10MIN_DN, GSE9509_LPS_VS_LPS_AND_IL10_STIM_IL10_KO_MACROPHAGE_10MIN_DN
                                                                                                                               GSE40274 FOXP3 VS FOXP3 AND GATA1 TRANSDUCED ACTIVATED CD4 TCELL DN, GSE40274 FOXP3 VS FOXP3 AND GATA1 TRANSDUCED ACTIVATED CD4 TCELL DN
                                                                                                                              GSE17580_UNINFECTED_VS_S_MANSONI_INF_TEFF_UP, GSE17580_UNINFECTED_VS_S_MANSONI_INF_TEFF_UP
                                                                                                                               GSE339_CD4POS_VS_CD4CD8DN_DC_UP, GSE339_CD4POS_VS_CD4CD8DN_DC_UP
                                                                                                                               GSE8678_IL7R_LOW_VS_HIGH_EFF_CD8_TCELL_UP, GSE8678_IL7R_LOW_VS_HIGH_EFF_CD8_TCELL_UP
                                                                                                                              GSE40274_FOXP3_VS_FOXP3_AND_PBX1_TRANSDUCED_ACTIVATED_CD4_TCELL_DN, GSE40274_FOXP3_VS_FOXP3_AND_PBX1_TRANSDUCED_ACTIVATED_CD4_TCELL_DN
                                                                                                                               GSE339_CD4POS_VS_CD8POS_DC_UP, GSE339_CD4POS_VS_CD8POS_DC_UP
                                                                                                                               GSE5679_RARA_AGONIST_AM580_VS_AM580_AND_ROSIGLITAZONE_TREATED_DC_DN, GSE5679_RARA_AGONIST_AM580_VS_AM580_AND_ROSIGLITAZONE_TREATED_DC_DN
                                                                                                                               GSE9037_WT_VS_IRAK4_KO_LPS_4H_STIM_BMDM_DN, GSE9037_WT_VS_IRAK4_KO_LPS_4H_STIM_BMDM_DN
                                                                                                                               GSE14308_TH1_VS_NATURAL_TREG_UP, GSE14308_TH1_VS_NATURAL_TREG_UP
                                                                                                                               GSE44649 NAIVE VS ACTIVATED CD8 TCELL UP, GSE44649 NAIVE VS ACTIVATED CD8 TCELL UP
                                                                                                                               GSE29618_PRE_VS_DAY7_POST_TIV_FLU_VACCINE_MONOCYTE_DN, GSE29618_PRE_VS_DAY7_POST_TIV_FLU_VACCINE_MONOCYTE_DN
                                                                                                                               GSE3039_ALPHAALPHA_VS_ALPHABETA_CD8_TCELL_DN, GSE3039_ALPHAALPHA_VS_ALPHABETA_CD8_TCELL_DN
                                                                                                                               GSE18281_SUBCAPSULAR_VS_PERIMEDULLARY_CORTICAL_REGION_OF_THYMUS_UP, GSE18281_SUBCAPSULAR_VS_PERIMEDULLARY_CORTICAL_REGION_OF_THYMUS_UP
                                                                                                                               GSE15330_LYMPHOID_MULTIPOTENT_VS_MEGAKARYOCYTE_ERYTHROID_PROGENITOR_DN, GSE15330_LYMPHOID_MULTIPOTENT_VS_MEGAKARYOCYTE_ERYTHROID_PROGENITOR_DN
                                                                                                                               GSE17301 CTRL VS 48H IFNA2 STIM CD8 TCELL DN, GSE17301 CTRL VS 48H IFNA2 STIM CD8 TCELL DN
                                                                                                                              GSE3982_MAST_CELL_VS_BCELL_DN, GSE3982_MAST_CELL_VS_BCELL_DN
                                                                                                                              GSE45365_CTRL_VS_MCMV_INFECTION_NK_CELL_UP, GSE45365_CTRL_VS_MCMV_INFECTION_NK_CELL_UP
                                                                                                                              GSE7460_CD8_TCELL_VS_CD4_TCELL_ACT_UP, GSE7460_CD8_TCELL_VS_CD4_TCELL_ACT_UP
                                                                                                                               GSE37301_MULTIPOTENT_PROGENITOR_VS_LYMPHOID_PRIMED_MPP_UP, GSE37301_MULTIPOTENT_PROGENITOR_VS_LYMPHOID_PRIMED_MPP_UP
                                                                                                                               GSE40274_GATA1_VS_FOXP3_AND_GATA1_TRANSDUCED_ACTIVATED_CD4_TCELL_UP, GSE40274_GATA1_VS_FOXP3_AND_GATA1_TRANSDUCED_ACTIVATED_CD4_TCELL_UP
                                                                                                                               GSE40274_SATB1_VS_FOXP3_AND_SATB1_TRANSDUCED_ACTIVATED_CD4_TCELL_UP, GSE40274_SATB1_VS_FOXP3_AND_SATB1_TRANSDUCED_ACTIVATED_CD4_TCELL_UP
                                                                                                                              GSE17721_PAM3CSK4_VS_CPG_1H_BMDC_DN, GSE17721_PAM3CSK4_VS_CPG_1H_BMDC_DN
                                                                                                                              GSE18893_TCONV_VS_TREG_2H_CULTURE_DN, GSE18893_TCONV_VS_TREG_2H_CULTURE_DN
                                                                                                                              GSE17721_LPS_VS_CPG_12H_BMDC_UP, GSE17721_LPS_VS_CPG_12H_BMDC_UP
                                                                                                                              GSE17721_CTRL_VS_LPS_0.5H_BMDC_UP, GSE17721_CTRL_VS_LPS_0.5H_BMDC_UP
                                                                                                                              GSE27786_CD4_TCELL_VS_NKCELL_UP, GSE27786_CD4_TCELL_VS_NKCELL_UP
                                                                                                                              GSE1448_CTRL_VS_ANTI_VBETA5_DP_THYMOCYTE_DN, GSE1448_CTRL_VS_ANTI_VBETA5_DP_THYMOCYTE_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
                                                                                                                               GSE16266_LPS_VS_HEATSHOCK_AND_LPS_STIM_MEF_UP, GSE16266_LPS_VS_HEATSHOCK_AND_LPS_STIM_MEF_UP
                                                                                                                               GSE360_L_DONOVANI_VS_M_TUBERCULOSIS_MAC_DN, GSE360_L_DONOVANI_VS_M_TUBERCULOSIS_MAC_DN
                                                                                                                              GSE12963_UNINF_VS_ENV_AND_NEF_DEFICIENT_HIV1_INF_CD4_TCELL_UP, GSE12963_UNINF_VS_ENV_AND_NEF_DEFICIENT_HIV1_INF_CD4_TCELL_UP
                                                                                                                              GSE24972_MARGINAL_ZONE_BCELL_VS_FOLLICULAR_BCELL_IRF8_KO_DN, GSE24972_MARGINAL_ZONE_BCELL_VS_FOLLICULAR_BCELL_IRF8_KO_DN
                                                                                                                               NAKAYA_PBMC_FLUMIST_AGE_18_50YO_7DY_IFN_SUBSET_UP, NAKAYA_PBMC_FLUMIST_AGE_18_50YO_7DY_IFN_SUBSET_UP
                                                                                                                              GSE30083_SP3_VS_SP4_THYMOCYTE_UP, GSE30083_SP3_VS_SP4_THYMOCYTE_UP
                                                                                                                               GSE28783_ANTI_MIR33_VS_CTRL_ATHEROSCLEROSIS_MACROPHAGE_UP, GSE28783_ANTI_MIR33_VS_CTRL_ATHEROSCLEROSIS_MACROPHAGE_UP
                                                                                                                               GSE15624 3H VS 6H HALOFUGINONE TREATED CD4 TCELL DN, GSE15624 3H VS 6H HALOFUGINONE TREATED CD4 TCELL DN
                                                                                                                               GSE13306_TREG_VS_TCONV_SPLEEN_UP, GSE13306_TREG_VS_TCONV_SPLEEN_UP
                                                                                                                               GSE20151_CTRL_VS_FUSOBACT_NUCLEATUM_NEUTROPHIL_UP, GSE20151_CTRL_VS_FUSOBACT_NUCLEATUM_NEUTROPHIL_UP
                                                                                                                               GSE37534_GW1929_VS_ROSIGLITAZONE_TREATED_CD4_TCELL_PPARG1_FOXP3_TRANSDUCED_UP, GSE37534_GW1929_VS_ROSIGLITAZONE_TREATED_CD4_TCELL_PPARG1_FOXP3_TRANSDUCED_UP
                                                                                                                               GSE4142_NAIVE_VS_MEMORY_BCELL_DN, GSE4142_NAIVE_VS_MEMORY_BCELL_DN
                                                                                                                               MATSUMIYA_PBMC_MODIFIED_VACCINIA_ANKARA_VACCINE_AGE_18_55YO_LOW_VS_HIGH_RESPONDERS_2DY_GO_T_CELL_ACTIV_AND_CO_STIM_UP, MATSUMIYA_PBMC_MODIFIED_VACCINIA_ANKARA_VACCINE_AGE_18_55YO_LOW_VS_HIGH_RESPONDERS_2
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MATSUMIYA PBMC MODIFIED VACCINIA ANKARA VACCINE AGE 4 6MO BCG PRIMED 28DY UP, MATSUMIYA PBMC MODIFIED VACCINIA ANKARA VACCINE AGE 4 6MO BCG PRIMED 28DY UP