```
GSE41867_NAIVE_VS_DAY30_LCMV_ARMSTRONG_MEMORY_CD8_TCELL_DN, GSE41867_NAIVE_VS_DAY30_LCMV_ARMSTRONG_MEMORY_CD8_TCELL_DN
GSE43863_NAIVE_VS_MEMORY_LY6C_INT_CXCR5POS_CD4_TCELL_D150_LCMV_DN, GSE43863_NAIVE_VS_MEMORY_LY6C_INT_CXCR5POS_CD4_TCELL_D150_LCMV_DN
GSE10239_MEMORY_VS_KLRG1INT_EFF_CD8_TCELL_DN, GSE10239_MEMORY_VS_KLRG1INT_EFF_CD8_TCELL_DN
GSE22432_MULTIPOTENT_VS_COMMON_DC_PROGENITOR_UNTREATED_DN, GSE22432_MULTIPOTENT_VS_COMMON_DC_PROGENITOR_UNTREATED_DN
GSE7764_IL15_TREATED_VS_CTRL_NK_CELL_24H_UP, GSE7764_IL15_TREATED_VS_CTRL_NK_CELL_24H_UP
GSE41867_DAY8_EFFECTOR_VS_DAY30_MEMORY_CD8_TCELL_LCMV_ARMSTRONG_UP, GSE41867_DAY8_EFFECTOR_VS_DAY30_MEMORY_CD8_TCELL_LCMV_ARMSTRONG_UP
GSE44649 NAIVE VS ACTIVATED CD8 TCELL MIR155 KO UP, GSE44649 NAIVE VS ACTIVATED CD8 TCELL MIR155 KO UP
GSE22601_CD4_SINGLE_POSITIVE_VS_CD8_SINGLE_POSITIVE_THYMOCYTE_UP, GSE22601_CD4_SINGLE_POSITIVE_VS_CD8_SINGLE_POSITIVE_THYMOCYTE_UP
GSE369_IFNG_KO_VS_WT_LIVER_DN, GSE369_IFNG_KO_VS_WT_LIVER_DN
GSE46468_LUNG_INNATE_LYMPHOID_CELL_VS_SPLEEN_CD4_TCELL_DN, GSE46468_LUNG_INNATE_LYMPHOID_CELL_VS_SPLEEN_CD4_TCELL_DN
GSE37532 TREG VS TCONV PPARG KO CD4 TCELL FROM LN DN, GSE37532 TREG VS TCONV PPARG KO CD4 TCELL FROM LN DN
GSE27786 LIN NEG_VS_ERYTHROBLAST_UP, GSE27786 LIN_NEG_VS_ERYTHROBLAST_UP
GSE21670 UNTREATED VS IL6 TREATED STAT3 KO CD4 TCELL DN, GSE21670 UNTREATED VS IL6 TREATED STAT3 KO CD4 TCELL DN
GSE20198_UNTREATED_VS_IFNA_TREATED_ACT_CD4_TCELL_DN, GSE20198_UNTREATED_VS_IFNA_TREATED_ACT_CD4_TCELL_DN
GSE41176_WT_VS_TAK1_KO_ANTI_IGM_STIM_BCELL_24H_UP, GSE41176_WT_VS_TAK1_KO_ANTI_IGM_STIM_BCELL_24H_UP
GSE21063_3H_VS_16H_ANTI_IGM_STIM_NFATC1_KOBCELL_DN, GSE21063_3H_VS_16H_ANTI_IGM_STIM_NFATC1_KOBCELL_DN
GSE22103_UNSTIM_VS_LPS_STIM_NEUTROPHIL_UP, GSE22103_UNSTIM_VS_LPS_STIM_NEUTROPHIL_UP
GSE22432_CONVENTIONAL_CDC_VS_PLASMACYTOID_PDC_UP, GSE22432_CONVENTIONAL_CDC_VS_PLASMACYTOID_PDC_UP
GSE6259_FLT3L_INDUCED_33D1_POS_DC_VS_BCELL_UP, GSE6259_FLT3L_INDUCED_33D1_POS_DC_VS_BCELL_UP
GSE411_WT_VS_SOCS3_KO_MACROPHAGE_UP, GSE411_WT_VS_SOCS3_KO_MACROPHAGE_UP
GSE37416_0H_VS_48H_F_TULARENSIS_LVS_NEUTROPHIL_DN, GSE37416_0H_VS_48H_F_TULARENSIS_LVS_NEUTROPHIL_DN
GSE40274 XBP1 VS FOXP3 AND XBP1 TRANSDUCED ACTIVATED CD4 TCELL DN, GSE40274 XBP1 VS FOXP3 AND XBP1 TRANSDUCED ACTIVATED CD4 TCELL DN
GSE23505 IL6 IL1_VS_IL6_IL1_IL23_TREATED_CD4_TCELL_DN, GSE23505_IL6_IL1_VS_IL6_IL1_IL23_TREATED_CD4_TCELL_DN
GSE46606_UNSTIM_VS_CD40L_IL2_IL5_DAY3_STIMULATED_BCELL_DN, GSE46606_UNSTIM_VS_CD40L_IL2_IL5_DAY3_STIMULATED_BCELL_DN
GSE19401_UNSTIM_VS_RETINOIC_ACID_STIM_FOLLICULAR_DC_UP, GSE19401_UNSTIM_VS_RETINOIC_ACID_STIM_FOLLICULAR_DC_UP
GSE22601_DOUBLE_POSITIVE_VS_CD8_SINGLE_POSITIVE_THYMOCYTE_DN, GSE22601_DOUBLE_POSITIVE_VS_CD8_SINGLE_POSITIVE_THYMOCYTE_DN
GSE15139_GMCSF_TREATED_VS_UNTREATED_NEUTROPHILS_DN, GSE15139_GMCSF_TREATED_VS_UNTREATED_NEUTROPHILS_DN
GSE26030_TH1_VS_TH17_DAY5_POST_POLARIZATION_DN, GSE26030_TH1_VS_TH17_DAY5_POST_POLARIZATION_DN
GSE22611_NOD2_TRANSDUCED_VS_CTRL_HEK293T_STIMULATED_WITH_MDP_2H_DN, GSE22611_NOD2_TRANSDUCED_VS_CTRL_HEK293T_STIMULATED_WITH_MDP_2H_DN
GSE39022_LN_VS_SPLEEN_DC_DN, GSE39022_LN_VS_SPLEEN_DC_DN
GSE2770_UNTREATED_VS_ACT_CD4_TCELL_2H_DN, GSE2770_UNTREATED_VS_ACT_CD4_TCELL_2H_DN
GSE6674_ANTI_IGM_VS_CPG_STIM_BCELL_DN, GSE6674_ANTI_IGM_VS_CPG_STIM_BCELL_DN
GSE6092_UNSTIM_VS_IFNG_STIM_ENDOTHELIAL_CELL_UP, GSE6092_UNSTIM_VS_IFNG_STIM_ENDOTHELIAL_CELL_UP
GSE27786_LIN_NEG_VS_NKTCELL_UP, GSE27786_LIN_NEG_VS_NKTCELL_UP
GSE4984_GALECTIN1_VS_VEHICLE_CTRL_TREATED_DC_DN, GSE4984_GALECTIN1_VS_VEHICLE_CTRL_TREATED_DC_DN
GSE12198_LOW_IL2_STIM_NK_CELL_VS_HIGH_IL2_STIM_NK_CELL_UP, GSE12198_LOW_IL2_STIM_NK_CELL_VS_HIGH_IL2_STIM_NK_CELL_UP
GSE41176_WT_VS_TAK1_KO_ANTI_IGM_STIM_BCELL_6H_DN, GSE41176_WT_VS_TAK1_KO_ANTI_IGM_STIM_BCELL_6H_DN
GSE21678_WT_VS_FOXO1_FOXO3_KO_TREG_DN, GSE21678_WT_VS_FOXO1_FOXO3_KO_TREG_DN
GSE13306_TREG_VS_TCONV_DN, GSE13306_TREG_VS_TCONV_DN
GSE46606_UNSTIM_VS_CD40L_IL2_IL5_1DAY_STIMULATED_IRF4MID_SORTED_BCELL_UP, GSE46606_UNSTIM_VS_CD40L_IL2_IL5_1DAY_STIMULATED_IRF4MID_SORTED_BCELL_UP
GSE22140_GERMFREE_VS_SPF_ARTHRITIC_MOUSE_CD4_TCELL_UP, GSE22140_GERMFREE_VS_SPF_ARTHRITIC_MOUSE_CD4_TCELL_UP
GSE21927_SPLENIC_C26GM_TUMOROUS_VS_4T1_TUMOR_MONOCYTES_DN, GSE21927_SPLENIC_C26GM_TUMOROUS_VS_4T1_TUMOR_MONOCYTES_DN
GSE3039_ALPHAALPHA_CD8_TCELL_VS_B2_BCELL_DN, GSE3039_ALPHAALPHA_CD8_TCELL_VS_B2_BCELL_DN
GSE21927_SPLENIC_C26GM_TUMOROUS_VS_BONE_MARROW_MONOCYTES_DN, GSE21927_SPLENIC_C26GM_TUMOROUS_VS_BONE_MARROW_MONOCYTES_DN
GSE5589 IL6 KO VS IL10 KO LPS STIM MACROPHAGE 45MIN DN, GSE5589 IL6 KO VS IL10 KO LPS STIM MACROPHAGE 45MIN DN
GSE14308 NAIVE CD4 TCELL VS NATURAL TREG DN, GSE14308 NAIVE CD4 TCELL VS NATURAL TREG DN
GSE31082_CD4_VS_CD8_SP_THYMOCYTE_DN, GSE31082_CD4_VS_CD8_SP_THYMOCYTE_DN
GSE40274_CTRL_VS_LEF1_TRANSDUCED_ACTIVATED_CD4_TCELL_DN, GSE40274_CTRL_VS_LEF1_TRANSDUCED_ACTIVATED_CD4_TCELL_DN
GSE15750 WT_VS_TRAF6KO_DAY6_EFF_CD8_TCELL_UP, GSE15750 WT_VS_TRAF6KO_DAY6_EFF_CD8_TCELL_UP
GSE1925_CTRL_VS_IFNG_PRIMED_MACROPHAGE_24H_IFNG_STIM_DN, GSE1925_CTRL_VS_IFNG_PRIMED_MACROPHAGE_24H_IFNG_STIM_DN
GSE24634_IL4_VS_CTRL_TREATED_NAIVE_CD4_TCELL_DAY5_UP, GSE24634_IL4_VS_CTRL_TREATED_NAIVE_CD4_TCELL_DAY5_UP
GSE22103_UNSTIM_VS_LPS_STIM_NEUTROPHIL_DN, GSE22103_UNSTIM_VS_LPS_STIM_NEUTROPHIL_DN
 GSE6092_B_BURGDOFERI_VS_B_BURGDORFERI_AND_IFNG_STIM_ENDOTHELIAL_CELL_DN, GSE6092_B_BURGDOFERI_VS_B_BURGDORFERI_AND_IFNG_STIM_ENDOTHELIAL_CELL_DN
GSE15767_MED_VS_SCS_MAC_LN_DN, GSE15767_MED_VS_SCS_MAC_LN_DN
GSE2826 WT VS BTK KO BCELL UP, GSE2826 WT VS BTK KO BCELL UP
GSE369_SOCS3_KO_VS_WT_LIVER_POST_IL6_INJECTION_UP, GSE369_SOCS3_KO_VS_WT_LIVER_POST_IL6_INJECTION_UP
GSE5542_UNTREATED_VS_IFNA_AND_IFNG_TREATED_EPITHELIAL_CELLS_24H_DN, GSE5542_UNTREATED_VS_IFNA_AND_IFNG_TREATED_EPITHELIAL_CELLS_24H_DN
GSE5542 IFNA VS IFNA AND IFNG TREATED EPITHELIAL CELLS 24H UP, GSE5542 IFNA VS IFNA AND IFNG TREATED EPITHELIAL CELLS 24H UP
GSE7852_TREG_VS_TCONV_THYMUS_UP, GSE7852_TREG_VS_TCONV_THYMUS_UP
GSE1460_CORD_VS_ADULT_BLOOD_NAIVE_CD4_TCELL_UP, GSE1460_CORD_VS_ADULT_BLOOD_NAIVE_CD4_TCELL_UP
GSE45365_HEALTHY_VS_MCMV_INFECTION_CD8A_DC_DN, GSE45365_HEALTHY_VS_MCMV_INFECTION_CD8A_DC_DN
GSE360_DC_VS_MAC_B_MALAYI_LOW_DOSE_DN, GSE360_DC_VS_MAC_B_MALAYI_LOW_DOSE_DN
GSE33162_UNTREATED_VS_4H_LPS_STIM_HDAC3_HET_MACROPHAGE_UP, GSE33162_UNTREATED_VS_4H_LPS_STIM_HDAC3_HET_MACROPHAGE_UP
GSE32034_UNTREATED_VS_ROSIGLIZATONE_TREATED_LY6C_HIGH_MONOCYTE_UP, GSE32034_UNTREATED_VS_ROSIGLIZATONE_TREATED_LY6C_HIGH_MONOCYTE_UP
GSE17721_CPG_VS_GARDIQUIMOD_8H_BMDC_UP, GSE17721_CPG_VS_GARDIQUIMOD_8H_BMDC_UP
GSE21670_STAT3_KO_VS_WT_CD4_TCELL_DN, GSE21670_STAT3_KO_VS_WT_CD4_TCELL_DN
GSE7460_TCONV_VS_TREG_THYMUS_DN, GSE7460_TCONV_VS_TREG_THYMUS_DN
GSE23398_WT_VS_IL2_KO_CD4_TCELL_SCURFY_MOUSE_UP, GSE23398_WT_VS_IL2_KO_CD4_TCELL_SCURFY_MOUSE_UP
GSE21774_CD56_BRIGHT_VS_DIM_CD62L_POSITIVE_NK_CELL_DN, GSE21774_CD56_BRIGHT_VS_DIM_CD62L_POSITIVE_NK_CELL_DN
GSE34515_CD16_NEG_VS_POS_MONOCYTE_UP, GSE34515_CD16_NEG_VS_POS_MONOCYTE_UP
GSE360_L_MAJOR_VS_M_TUBERCULOSIS_MAC_DN, GSE360_L_MAJOR_VS_M_TUBERCULOSIS_MAC_DN
GSE8835_HEALTHY_VS_CLL_CD4_TCELL_UP, GSE8835_HEALTHY_VS_CLL_CD4_TCELL_UP
GSE23505_UNTREATED_VS_4DAY_IL6_IL1_TGFB_TREATED_CD4_TCELL_UP, GSE23505_UNTREATED_VS_4DAY_IL6_IL1_TGFB_TREATED_CD4_TCELL_UP
GSE40184_HEALTHY_VS_HCV_INFECTED_DONOR_PBMC_UP, GSE40184_HEALTHY_VS_HCV_INFECTED_DONOR_PBMC_UP
GSE11961_MARGINAL_ZONE_BCELL_VS_GERMINAL_CENTER_BCELL_DAY40_DN, GSE11961_MARGINAL_ZONE_BCELL_VS_GERMINAL_CENTER_BCELL_DAY40_DN
GSE43863_TFH_VS_LY6C_INT_CXCR5POS_MEMORY_CD4_TCELL_UP, GSE43863_TFH_VS_LY6C_INT_CXCR5POS_MEMORY_CD4_TCELL_UP
GSE369_PRE_VS_POST_IL6_INJECTION_IFNG_KO_LIVER_DN, GSE369_PRE_VS_POST_IL6_INJECTION_IFNG_KO_LIVER_DN
GSE28726_NAIVE_CD4_TCELL_VS_NAIVE_NKTCELL_DN, GSE28726_NAIVE_CD4_TCELL_VS_NAIVE_NKTCELL_DN
GSE17721_LPS_VS_POLYIC_0.5H_BMDC_DN, GSE17721_LPS_VS_POLYIC_0.5H_BMDC_DN
GSE22935_WT_VS_MYD88_KO_MACROPHAGE_12H_MBOVIS_BCG_STIM_UP, GSE22935_WT_VS_MYD88_KO_MACROPHAGE_12H_MBOVIS_BCG_STIM_UP
GSE45365_NK_CELL_VS_BCELL_DN, GSE45365_NK_CELL_VS_BCELL_DN
CAO_BLOOD_FLUZONE_AGE_05_14YO_30DY_UP, CAO_BLOOD_FLUZONE_AGE_05_14YO_30DY_UP
GSE19888_ADENOSINE_A3R_INH_VS_TCELL_MEMBRANES_ACT_MAST_CELL_UP, GSE19888_ADENOSINE_A3R_INH_VS_TCELL_MEMBRANES_ACT_MAST_CELL_UP
GSE4748_CTRL_VS_LPS_STIM_DC_3H_DN, GSE4748_CTRL_VS_LPS_STIM_DC_3H_DN
GSE2770 TGFB AND IL4 VS IL4 TREATED ACT CD4 TCELL 2H DN, GSE2770 TGFB AND IL4 VS IL4 TREATED ACT CD4 TCELL 2H DN
GSE19772_CTRL_VS_HCMV_INF_MONOCYTES_AND_PI3K_INHIBITION_DN, GSE19772_CTRL_VS_HCMV_INF_MONOCYTES_AND_PI3K_INHIBITION_DN
GSE40274_CTRL_VS_EOS_TRANSDUCED_ACTIVATED_CD4_TCELL_DN, GSE40274_CTRL_VS_EOS_TRANSDUCED_ACTIVATED_CD4_TCELL_DN
GSE37301_HEMATOPOIETIC_STEM_CELL_VS_COMMON_LYMPHOID_PROGENITOR_UP, GSE37301_HEMATOPOIETIC_STEM_CELL_VS_COMMON_LYMPHOID_PROGENITOR_UP
GARCIA_PINERES_PBMC_HPV_16_L1_VLP_AGE_18_25YO_7MO_CORRELATED_WITH_ANTIBODY_RESPONSE_POSITIVE, GARCIA_PINERES_PBMC_HPV_16_L1_VLP_AGE_18_25YO_7MO_CORRELATED_WITH_ANTIBOI
GSE37534 GW1929_VS_ROSIGLITAZONE_TREATED_CD4_TCELL_PPARG1_FOXP3_TRANSDUCED_UP, GSE37534_GW1929_VS_ROSIGLITAZONE_TREATED_CD4_TCELL_PPARG1_FOXP3_TRANSDUCED_UP
```

GSE5099_CLASSICAL_M1_VS_ALTERNATIVE_M2_MACROPHAGE_DN, GSE5099_CLASSICAL_M1_VS_ALTERNATIVE_M2_MACROPHAGE_DN

GSE34156_TLR1_TLR2_LIGAND_VS_NOD2_AND_TLR1_TLR2_LIGAND_6H_TREATED_MONOCYTE_UP, GSE34156_TLR1_TLR2_LIGAND_VS_NOD2_AND_TLR1_TLR2_LIGAND_6H_TREATED_MONOCYTE_UP

```
OMIN_IL6_STIM_MACROPHAGE_DN, GSE411_100MIN_VS_400MIN_IL6_STIM_MACROPHAGE_DN
```