```
GSE36009 UNSTIM_VS_LPS_STIM_DC_DN, GSE36009 UNSTIM_VS_LPS_STIM_DC_DN
                                                                                                                                   GSE9509 LPS VS LPS AND IL10 STIM IL10 KO MACROPHAGE 10MIN DN, GSE9509 LPS VS LPS AND IL10 STIM IL10 KO MACROPHAGE 10MIN DN
                                                                                                                                  GSE42021_CD24HI_TREG_VS_CD24HI_TCONV_THYMUS_UP, GSE42021_CD24HI_TREG_VS_CD24HI_TCONV_THYMUS_UP
                                                                                                                                  GSE23308_WT_VS_MINERALCORTICOID_REC_KO_MACROPHAGE_CORTICOSTERONE_TREATED_UP, GSE23308_WT_VS_MINERALCORTICOID_REC_KO_MACROPHAGE_CORTICOSTERONE_TRE
                                                                                                                                  GSE17721_0.5H_VS_8H_CPG_BMDC_UP, GSE17721_0.5H_VS_8H_CPG_BMDC_UP
                                                                                                                                  GSE17721_POLYIC_VS_PAM3CSK4_2H_BMDC_UP, GSE17721_POLYIC_VS_PAM3CSK4_2H_BMDC_UP
                                                                                                                                  GSE32986_GMCSF_AND_CURDLAN_LOWDOSE_VS_GMCSF_AND_CURDLAN_HIGHDOSE_STIM_DC_UP, GSE32986_GMCSF_AND_CURDLAN_LOWDOSE_VS_GMCSF_AND_CURDLAN_HIGHDOSE
                                                                                                                                  GSE16522_MEMORY_VS_NAIVE_CD8_TCELL_UP, GSE16522_MEMORY_VS_NAIVE_CD8_TCELL_UP
                                                                                                                                  GSE42021_TREG_PLN_VS_CD24HI_TREG_THYMUS_DN, GSE42021_TREG_PLN_VS_CD24HI_TREG_THYMUS_DN
                                                                                                                                  GSE27859_MACROPHAGE_VS_CD11C_INT_F480_HI_MACROPHAGE_DN, GSE27859_MACROPHAGE_VS_CD11C_INT_F480_HI_MACROPHAGE_DN
                                                                                                                                  GSE17721_CTRL_VS_PAM3CSK4_2H_BMDC_UP, GSE17721_CTRL_VS_PAM3CSK4_2H_BMDC_UP
                                                                                                                                  GSE35825_UNTREATED_VS_IFNA_STIM_MACROPHAGE_UP, GSE35825_UNTREATED_VS_IFNA_STIM_MACROPHAGE_UP
                                                                                                                                  GSE41867_NAIVE_VS_DAY15_LCMV_EFFECTOR_CD8_TCELL_DN, GSE41867_NAIVE_VS_DAY15_LCMV_EFFECTOR_CD8_TCELL_DN
                                                                                                                                  GSE25085_FETAL_LIVER_VS_FETAL_BM_SP4_THYMIC_IMPLANT_UP, GSE25085_FETAL_LIVER_VS_FETAL_BM_SP4_THYMIC_IMPLANT_UP
                                                                                                                                  GSE17721_0.5H_VS_8H_GARDIQUIMOD_BMDC_UP, GSE17721_0.5H_VS_8H_GARDIQUIMOD_BMDC_UP
                                                                                                                                  GSE35825_UNTREATED_VS_IFNG_STIM_MACROPHAGE_DN, GSE35825_UNTREATED_VS_IFNG_STIM_MACROPHAGE_DN
                                                                                                                                  GSE23505_IL6_IL1_VS_IL6_IL1_TGFB_TREATED_CD4_TCELL_DN, GSE23505_IL6_IL1_VS_IL6_IL1_TGFB_TREATED_CD4_TCELL_DN
                                                                                                                                  GSE23308_WT_VS_MINERALCORTICOID_REC_KO_MACROPHAGE_UP, GSE23308_WT_VS_MINERALCORTICOID_REC_KO_MACROPHAGE_UP
                                                                                                                                  GSE23308_CTRL_VS_CORTICOSTERONE_TREATED_MACROPHAGE_MINERALCORTICOID_REC_KO_UP, GSE23308_CTRL_VS_CORTICOSTERONE_TREATED_MACROPHAGE_MINERALCORTICOII
                                                                                                                                  GSE17721_PAM3CSK4_VS_CPG_4H_BMDC_UP, GSE17721_PAM3CSK4_VS_CPG_4H_BMDC_UP
                                                                                                                                  GSE22935_UNSTIM_VS_12H_MBOVIS_BCG_STIM_MACROPHAGE_DN, GSE22935_UNSTIM_VS_12H_MBOVIS_BCG_STIM_MACROPHAGE_DN
                                                                                                                                  GSE46606_IRF4MID_VS_WT_CD40L_IL2_IL5_DAY1_STIMULATED_BCELL_UP, GSE46606_IRF4MID_VS_WT_CD40L_IL2_IL5_DAY1_STIMULATED_BCELL_UP
                                                                                                                                  GSE46606 UNSTIM VS CD40L IL2 IL5 3DAY STIMULATED IRF4MID SORTED BCELL UP, GSE46606 UNSTIM VS CD40L IL2 IL5 3DAY STIMULATED IRF4MID SORTED BCELL UP
                                                                                                                                  GSE41867_DAY6_EFFECTOR_VS_DAY30_MEMORY_CD8_TCELL_LCMV_ARMSTRONG_UP, GSE41867_DAY6_EFFECTOR_VS_DAY30_MEMORY_CD8_TCELL_LCMV_ARMSTRONG_UP
                                                                                                                                  GSE17721_POLYIC_VS_CPG_4H_BMDC_UP, GSE17721_POLYIC_VS_CPG_4H_BMDC_UP
                                                                                                                                  GSE41867_NAIVE_VS_DAY8_LCMV_EFFECTOR_CD8_TCELL_DN, GSE41867_NAIVE_VS_DAY8_LCMV_EFFECTOR_CD8_TCELL_DN
                                                                                                                                  GSE17721_LPS_VS_POLYIC_8H_BMDC_DN, GSE17721_LPS_VS_POLYIC_8H_BMDC_DN
                                                                                                                                  GSE17721_CTRL_VS_CPG_8H_BMDC_UP, GSE17721_CTRL_VS_CPG_8H_BMDC_UP
                                                                                                                                  GSE17721_CTRL_VS_GARDIQUIMOD_6H_BMDC_UP, GSE17721_CTRL_VS_GARDIQUIMOD_6H_BMDC_UP
                                                                                                                                  GSE3039_CD4_TCELL_VS_NKT_CELL_UP, GSE3039_CD4_TCELL_VS_NKT_CELL_UP
                                                                                                                                  GSE42724_B1_BCELL_VS_PLASMABLAST_DN, GSE42724_B1_BCELL_VS_PLASMABLAST_DN
                                                                                                                                  GSE3691_IFN_PRODUCING_KILLER_DC_VS_PLASMACYTOID_DC_SPLEEN_UP, GSE3691_IFN_PRODUCING_KILLER_DC_VS_PLASMACYTOID_DC_SPLEEN_UP
                                                                                                                                  GSE6092_IFNG_VS_IFNG_AND_B_BURGDORFERI_INF_ENDOTHELIAL_CELL_UP, GSE6092_IFNG_VS_IFNG_AND_B_BURGDORFERI_INF_ENDOTHELIAL_CELL_UP
                                                                                                                                  GSE22601_DOUBLE_NEGATIVE_VS_CD4_SINGLE_POSITIVE_THYMOCYTE_UP, GSE22601_DOUBLE_NEGATIVE_VS_CD4_SINGLE_POSITIVE_THYMOCYTE_UP
                                                                                                                                   GSE5589_LPS_VS_LPS_AND_IL6_STIM_MACROPHAGE_45MIN_UP, GSE5589_LPS_VS_LPS_AND_IL6_STIM_MACROPHAGE_45MIN_UP
                                                                                                                                  GSE32986_GMCSF_VS_GMCSF_AND_CURDLAN_HIGHDOSE_STIM_DC_UP, GSE32986_GMCSF_VS_GMCSF_AND_CURDLAN_HIGHDOSE_STIM_DC_UP
                                                                                                                                   GSE360_CTRL_VS_T_GONDII_MAC_UP, GSE360_CTRL_VS_T_GONDII_MAC_UP
                                                                                                                                   GSE32986 CURDLAN LOWDOSE VS GMCSF AND CURDLAN LOWDOSE STIM DC UP, GSE32986 CURDLAN LOWDOSE VS GMCSF AND CURDLAN LOWDOSE STIM DC UP
                                                                                                                                   GSE5099_MONOCYTE_VS_CLASSICAL_M1_MACROPHAGE_DN, GSE5099_MONOCYTE_VS_CLASSICAL_M1_MACROPHAGE_DN
                                                                                                                                   GSE34392_ST2_KO_VS_WT_DAY8_LCMV_EFFECTOR_CD8_TCELL_UP, GSE34392_ST2_KO_VS_WT_DAY8_LCMV_EFFECTOR_CD8_TCELL_UP
                                                                                                                                   GSE15330_WT_VS_IKAROS_KO_LYMPHOID_MULTIPOTENT_PROGENITOR_UP, GSE15330_WT_VS_IKAROS_KO_LYMPHOID_MULTIPOTENT_PROGENITOR_UP
                                                                                                                                   GSE22432_UNTREATED_VS_TGFB1_TREATED_COMMON_DC_PROGENITOR_DN, GSE22432_UNTREATED_VS_TGFB1_TREATED_COMMON_DC_PROGENITOR_DN
                                                                                                                                   GSE9988 ANTI TREM1 VS LOW LPS MONOCYTE UP, GSE9988 ANTI TREM1 VS LOW LPS MONOCYTE UP
                                                                                                                                   GSE46606_IRF4_KO_VS_WT_UNSTIM_BCELL_UP, GSE46606_IRF4_KO_VS_WT_UNSTIM_BCELL_UP
                                                                                                                                  GSE21033_CTRL_VS_POLYIC_STIM_DC_12H_UP, GSE21033_CTRL_VS_POLYIC_STIM_DC_12H_UP
                                                                                                                                  GSE8921_UNSTIM_0H_VS_TLR1_2_STIM_MONOCYTE_6H_DN, GSE8921_UNSTIM_0H_VS_TLR1_2_STIM_MONOCYTE_6H_DN
                                                                                                                                  GSE25088_WT_VS_STAT6_KO_MACROPHAGE_ROSIGLITAZONE_STIM_DN, GSE25088_WT_VS_STAT6_KO_MACROPHAGE_ROSIGLITAZONE_STIM_DN
                                                                                                                                  GSE17721_CTRL_VS_GARDIQUIMOD_12H_BMDC_UP, GSE17721_CTRL_VS_GARDIQUIMOD_12H_BMDC_UP
                                                                                                                                  GSE26343_WT_VS_NFAT5_KO_MACROPHAGE_LPS_STIM_DN, GSE26343_WT_VS_NFAT5_KO_MACROPHAGE_LPS_STIM_DN
                                                                                                                                  GSE7768_OVA_ALONE_VS_OVA_WITH_LPS_IMMUNIZED_MOUSE_WHOLE_SPLEEN_6H_UP, GSE7768_OVA_ALONE_VS_OVA_WITH_LPS_IMMUNIZED_MOUSE_WHOLE_SPLEEN_6H_UP
                                                                                                                                   GSE22919_RESTING_VS_IL2_IL12_IL15_STIM_NK_CELL_DN, GSE22919_RESTING_VS_IL2_IL12_IL15_STIM_NK_CELL_DN
                                                                                                                                   GSE4590_PRE_BCELL_VS_LARGE_PRE_BCELL_DN, GSE4590_PRE_BCELL_VS_LARGE_PRE_BCELL_DN
                                                                                                                                  GSE22611_NOD2_TRANSDUCED_VS_CTRL_HEK293T_STIMULATED_WITH_MDP_2H_UP, GSE22611_NOD2_TRANSDUCED_VS_CTRL_HEK293T_STIMULATED_WITH_MDP_2H_UP
Γ CD40L IL2 IL5 DAY3 STIMULATED BCELL DN, GSE46606 IRF4MID VS WT CD40L IL2 IL5 DAY3 STIMULATED BCELL DN
                                                                                                                                  GSE40443_INDUCED_VS_TOTAL_TREG_DN, GSE40443_INDUCED_VS_TOTAL_TREG_DN
                                                                                                                                  GSE26030_TH1_VS_TH17_RESTIMULATED_DAY5_POST_POLARIZATION_DN, GSE26030_TH1_VS_TH17_RESTIMULATED_DAY5_POST_POLARIZATION_DN
                                                                                                                                   GSE2770_UNTREATED_VS_IL12_TREATED_ACT_CD4_TCELL_48H_UP, GSE2770_UNTREATED_VS_IL12_TREATED_ACT_CD4_TCELL_48H_UP
                                                                                                                                  GSE19198_CTRL_VS_IL21_TREATED_TCELL_24H_DN, GSE19198_CTRL_VS_IL21_TREATED_TCELL_24H_DN
                                                                                                                                  GSE22432_PDC_VS_TGFB1_TREATEDCOMMON_DC_PROGENITOR_DN, GSE22432_PDC_VS_TGFB1_TREATEDCOMMON_DC_PROGENITOR_DN
                                                                                                                                  GSE23505_UNTREATED_VS_4DAY_IL6_IL1_IL23_TREATED_CD4_TCELL_DN, GSE23505_UNTREATED_VS_4DAY_IL6_IL1_IL23_TREATED_CD4_TCELL_DN
                                                                                                                                  GSE16451_CTRL_VS_WEST_EQUINE_ENC_VIRUS_MATURE_NEURON_CELL_LINE_UP, GSE16451_CTRL_VS_WEST_EQUINE_ENC_VIRUS_MATURE_NEURON_CELL_LINE_UP
                                                                                                                                  GSE27434_WT_VS_DNMT1_KO_TREG_UP, GSE27434_WT_VS_DNMT1_KO_TREG_UP
                                                                                                                                  GSE39820_CTRL_VS_TGFBETA3_IL6_IL23A_CD4_TCELL_DN, GSE39820_CTRL_VS_TGFBETA3_IL6_IL23A_CD4_TCELL_DN
                                                                                                                                  GSE10273_HIGH_VS_LOW_IL7_TREATED_IRF4_8_NULL_PRE_BCELL_UP, GSE10273_HIGH_VS_LOW_IL7_TREATED_IRF4_8_NULL_PRE_BCELL_UP
                                                                                                                                  GSE17721_12H_VS_24H_PAM3CSK4_BMDC_DN, GSE17721_12H_VS_24H_PAM3CSK4_BMDC_DN
                                                                                                                                   GSE12392_WT_VS_IFNAR_KO_CD8A_NEG_SPLEEN_DC_DN, GSE12392_WT_VS_IFNAR_KO_CD8A_NEG_SPLEEN_DC_DN
                                                                                                                                  GSE10239_NAIVE_VS_KLRG1HIGH_EFF_CD8_TCELL_UP, GSE10239_NAIVE_VS_KLRG1HIGH_EFF_CD8_TCELL_UP
                                                                                                                                   GSE32034_UNTREATED_VS_ROSIGLIZATONE_TREATED_LY6C_HIGH_MONOCYTE_DN, GSE32034_UNTREATED_VS_ROSIGLIZATONE_TREATED_LY6C_HIGH_MONOCYTE_DN
                                                                                                                                   GSE25123_ROSIGLITAZONE_VS_IL4_AND_ROSIGLITAZONE_STIM_PPARG_KO_MACROPHAGE_DAY10_DN, GSE25123_ROSIGLITAZONE_VS_IL4_AND_ROSIGLITAZONE_STIM_PPARG_KO_MACR
                                                                                                                                   GSE42021_CD24HI_VS_CD24INT_TCONV_THYMUS_UP, GSE42021_CD24HI_VS_CD24INT_TCONV_THYMUS_UP
                                                                                                                                  GSE10239_NAIVE_VS_DAY4.5_EFF_CD8_TCELL_UP, GSE10239_NAIVE_VS_DAY4.5_EFF_CD8_TCELL_UP
                                                                                                                                  GSE19888_ADENOSINE_A3R_ACT_VS_TCELL_MEMBRANES_ACT_AND_A3R_INH_PRETREAT_IN_MAST_CELL_DN, GSE19888_ADENOSINE_A3R_ACT_VS_TCELL_MEMBRANES_ACT_AND_A3R_IN
                                                                                                                                  GSE24726_WT_VS_E2_2_KO_PDC_DAY6_POST_DELETION_DN, GSE24726_WT_VS_E2_2_KO_PDC_DAY6_POST_DELETION_DN
                                                                                                                                  GSE5455_HEALTHY_VS_TUMOR_BEARING_MOUSE_SPLEEN_MONOCYTE_UP, GSE5455_HEALTHY_VS_TUMOR_BEARING_MOUSE_SPLEEN_MONOCYTE_UP
                                                                                                                                  GSE26669_CTRL_VS_COSTIM_BLOCK_MLR_CD8_TCELL_DN, GSE26669_CTRL_VS_COSTIM_BLOCK_MLR_CD8_TCELL_DN
                                                                                                                                  GSE10240_CTRL_VS_IL22_STIM_PRIMARY_BRONCHIAL_EPITHELIAL_CELLS_UP, GSE10240_CTRL_VS_IL22_STIM_PRIMARY_BRONCHIAL_EPITHELIAL_CELLS_UP
                                                                                                                                  GSE7460_CTRL_VS_TGFB_TREATED_ACT_FOXP3_HET_TCONV_DN, GSE7460_CTRL_VS_TGFB_TREATED_ACT_FOXP3_HET_TCONV_DN
                                                                                                                                  GSE40274_CTRL_VS_SATB1_TRANSDUCED_ACTIVATED_CD4_TCELL_UP, GSE40274_CTRL_VS_SATB1_TRANSDUCED_ACTIVATED_CD4_TCELL_UP
                                                                                                                                  GSE20198_IL12_IL18_VS_IFNA_TREATED_ACT_CD4_TCELL_UP, GSE20198_IL12_IL18_VS_IFNA_TREATED_ACT_CD4_TCELL_UP
                                                                                                                                  GSE12003_MIR223_KO_VS_WT_BM_PROGENITOR_8D_CULTURE_DN, GSE12003_MIR223_KO_VS_WT_BM_PROGENITOR_8D_CULTURE_DN
                                                                                                                                  GSE10147_IL3_AND_HIVP17_VS_IL3_AND_CPG_STIM_PDC_DN, GSE10147_IL3_AND_HIVP17_VS_IL3_AND_CPG_STIM_PDC_DN
                                                                                                                                  GSE28737_FOLLICULAR_VS_MARGINAL_ZONE_BCELL_BCL6_HET_UP, GSE28737_FOLLICULAR_VS_MARGINAL_ZONE_BCELL_BCL6_HET_UP
                                                                                                                                  GSE22432_UNTREATED_VS_TGFB1_TREATED_COMMON_DC_PROGENITOR_UP, GSE22432_UNTREATED_VS_TGFB1_TREATED_COMMON_DC_PROGENITOR_UP
                                                                                                                                  GSE6259_33D1_POS_VS_DEC205_POS_SPLENIC_DC_DN, GSE6259_33D1_POS_VS_DEC205_POS_SPLENIC_DC_DN
                                                                                                                                  GSE3039_CD4_TCELL_VS_B1_BCELL_DN, GSE3039_CD4_TCELL_VS_B1_BCELL_DN
                                                                                                                                  GSE17721_CTRL_VS_LPS_24H_BMDC_UP, GSE17721_CTRL_VS_LPS_24H_BMDC_UP
                                                                                                                                  GSE6259_BCELL_VS_CD8_TCELL_UP, GSE6259_BCELL_VS_CD8_TCELL_UP
                                                                                                                                  GSE17186_NAIVE_VS_CD21HIGH_TRANSITIONAL_BCELL_CORD_BLOOD_DN, GSE17186_NAIVE_VS_CD21HIGH_TRANSITIONAL_BCELL_CORD_BLOOD_DN
                                                                                                                                  GSE8685_IL2_ACT_IL2_STARVED_VS_IL15_ACT_IL2_STARVED_CD4_TCELL_UP, GSE8685_IL2_ACT_IL2_STARVED_VS_IL15_ACT_IL2_STARVED_CD4_TCELL_UP
                                                                                                                                  GSE4142_GC_BCELL_VS_MEMORY_BCELL_UP, GSE4142_GC_BCELL_VS_MEMORY_BCELL_UP
                                                                                                                                 GSE9037_CTRL_VS_LPS_4H_STIM_IRAK4_KO_BMDM_UP, GSE9037_CTRL_VS_LPS_4H_STIM_IRAK4_KO_BMDM_UP
                                                                                                                                 GSE44649 WT_VS_MIR155 KO_NAIVE_CD8_TCELL_UP, GSE44649 WT_VS_MIR155 KO_NAIVE_CD8_TCELL_UP
                                                                                                                                  GSE17301_CTRL_VS_48H_ACD3_ACD28_STIM_CD8_TCELL_DN, GSE17301_CTRL_VS_48H_ACD3_ACD28_STIM_CD8_TCELL_DN
                                                                                                                                  GSE27670_CTRL_VS_LMP1_TRANSDUCED_GC_BCELL_DN, GSE27670_CTRL_VS_LMP1_TRANSDUCED_GC_BCELL_DN
                                                                                                                                  GSE15930_NAIVE_VS_24H_IN_VITRO_STIM_INFAB_CD8_TCELL_UP, GSE15930_NAIVE_VS_24H_IN_VITRO_STIM_INFAB_CD8_TCELL_UP
                                                                                                                                  GSE2826_WT_VS_XID_BCELL_UP, GSE2826_WT_VS_XID_BCELL_UP
                                                                                                                                  GSE14699 NAIVE VS DELETIONAL TOLERANCE CD8 TCELL UP, GSE14699 NAIVE VS DELETIONAL TOLERANCE CD8 TCELL UP
                                                                                                                                  GSE18281 SUBCAPSULAR CORTICAL REGION VS WHOLE CORTEX THYMUS UP, GSE18281 SUBCAPSULAR CORTICAL REGION VS WHOLE CORTEX THYMUS UP
                                                                                                                                  GSE9650_NAIVE_VS_MEMORY_CD8_TCELL_UP, GSE9650_NAIVE_VS_MEMORY_CD8_TCELL_UP
                                                                                                                                  GSE19941_IL10_KO_VS_IL10_KO_AND_NFKBP50_KO_UNSTIM_MACROPHAGE_DN, GSE19941_IL10_KO_VS_IL10_KO_AND_NFKBP50_KO_UNSTIM_MACROPHAGE_DN
                                                                                                                                  GSE46606_IRF4_KO_VS_WT_UNSTIM_BCELL_DN, GSE46606_IRF4_KO_VS_WT_UNSTIM_BCELL_DN
                                                                                                                                  GSE2706_R848_VS_R848_AND_LPS_8H_STIM_DC_UP, GSE2706_R848_VS_R848_AND_LPS_8H_STIM_DC_UP
                                                                                                                                  GSE20366_CD103_POS_VS_CD103_KLRG1_DP_TREG_UP, GSE20366_CD103_POS_VS_CD103_KLRG1_DP_TREG_UP
                                                                                                                                  GSE7852_TREG_VS_TCONV_THYMUS_DN, GSE7852_TREG_VS_TCONV_THYMUS_DN
                                                                                                                                  GSE37301_CD4_TCELL_VS_GRANULOCYTE_MONOCYTE_PROGENITOR_UP, GSE37301_CD4_TCELL_VS_GRANULOCYTE_MONOCYTE_PROGENITOR_UP
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GSE19923\_WT\_VS\_HEB\_KO\_DP\_THYMOCYTE\_UP, GSE19923\_WT\_VS\_HEB\_KO\_DP\_THYMOCYTE\_UP

GSE15659\_RESTING\_TREG\_VS\_NONSUPPRESSIVE\_TCELL\_UP, GSE15659\_RESTING\_TREG\_VS\_NONSUPPRESSIVE\_TCELL\_UP