```
GSE14000_TRANSLATED_RNA_VS_MRNA_DC_UP, GSE14000_TRANSLATED_RNA_VS_MRNA_DC_UP
                                                                                                                           GSE14000_UNSTIM_VS_4H_LPS_DC_TRANSLATED_RNA_UP, GSE14000_UNSTIM_VS_4H_LPS_DC_TRANSLATED_RNA_UP
                                                                                                                           GSE24634_NAIVE_CD4_TCELL_VS_DAY3_IL4_CONV_TREG_DN, GSE24634_NAIVE_CD4_TCELL_VS_DAY3_IL4_CONV_TREG_DN
                                                                                                                           GSE18791_CTRL_VS_NEWCASTLE_VIRUS_DC_16H_UP, GSE18791_CTRL_VS_NEWCASTLE_VIRUS_DC_16H_UP
                                                                                                                          GSE14000_4H_VS_16H_LPS_DC_DN, GSE14000_4H_VS_16H_LPS_DC_DN
                                                                                                                          GSE14000 UNSTIM VS 4H LPS DC UP, GSE14000 UNSTIM VS 4H LPS DC UP
                                                                                                                          GSE36888_UNTREATED_VS_IL2_TREATED_TCELL_6H_DN, GSE36888_UNTREATED_VS_IL2_TREATED_TCELL_6H_DN
                                                                                                                          GSE46025_WT_VS_FOXO1_KO_KLRG1_LOW_CD8_EFFECTOR_TCELL_DN, GSE46025_WT_VS_FOXO1_KO_KLRG1_LOW_CD8_EFFECTOR_TCELL_DN
                                                                                                                          GSE6674_UNSTIM_VS_ANTI_IGM_STIM_BCELL_UP, GSE6674_UNSTIM_VS_ANTI_IGM_STIM_BCELL_UP
                                                                                                                          GSE4984_UNTREATED_VS_LPS_TREATED_DC_DN, GSE4984_UNTREATED_VS_LPS_TREATED_DC_DN
                                                                                                                          GSE17721_0.5H_VS_4H_POLYIC_BMDC_DN, GSE17721_0.5H_VS_4H_POLYIC_BMDC_DN
                                                                                                                           GSE3982_CTRL_VS_LPS_4H_MAC_UP, GSE3982_CTRL_VS_LPS_4H_MAC_UP
                                                                                                                           GSE15324_NAIVE_VS_ACTIVATED_ELF4_KO_CD8_TCELL_DN, GSE15324_NAIVE_VS_ACTIVATED_ELF4_KO_CD8_TCELL_DN
                                                                                                                           GSE18281_MEDULLARY_THYMOCYTE_VS_WHOLE_MEDULLA_THYMUS_DN, GSE18281_MEDULLARY_THYMOCYTE_VS_WHOLE_MEDULLA_THYMUS_DN
                                                                                                                           GSE6269_FLU_VS_STREP_PNEUMO_INF_PBMC_UP, GSE6269_FLU_VS_STREP_PNEUMO_INF_PBMC_UP
                                                                                                                           GSE18791_CTRL_VS_NEWCASTLE_VIRUS_DC_2H_UP, GSE18791_CTRL_VS_NEWCASTLE_VIRUS_DC_2H_UP
                                                                                                                           GSE2706_UNSTIM_VS_2H_R848_DC_UP, GSE2706_UNSTIM_VS_2H_R848_DC_UP
                                                                                                                           GSE7460_WT_VS_FOXP3_HET_ACT_TCONV_DN, GSE7460_WT_VS_FOXP3_HET_ACT_TCONV_DN
                                                                                                                           GSE45365_WT_VS_IFNAR_KO_BCELL_UP, GSE45365_WT_VS_IFNAR_KO_BCELL_UP
                                                                                                                           GSE13522_CTRL_VS_T_CRUZI_Y_STRAIN_INF_SKIN_BALBC_MOUSE_UP, GSE13522_CTRL_VS_T_CRUZI_Y_STRAIN_INF_SKIN_BALBC_MOUSE_UP
                                                                                                                           GSE4142 GC BCELL VS MEMORY BCELL DN, GSE4142 GC BCELL VS MEMORY BCELL DN
                                                                                                                           GSE12484_HEALTHY_VS_PERIDONTITIS_NEUTROPHILS_DN, GSE12484_HEALTHY_VS_PERIDONTITIS_NEUTROPHILS_DN
                                                                                                                           GSE25088_CTRL_VS_IL4_AND_ROSIGLITAZONE_STIM_STAT6_KO_MACROPHAGE_DN, GSE25088_CTRL_VS_IL4_AND_ROSIGLITAZONE_STIM_STAT6_KO_MACROPHAG
                                                                                                                           GSE19401_UNSTIM_VS_RETINOIC_ACID_STIM_FOLLICULAR_DC_DN, GSE19401_UNSTIM_VS_RETINOIC_ACID_STIM_FOLLICULAR_DC_DN
                                                                                                                           GSE22886_TH1_VS_TH2_48H_ACT_UP, GSE22886_TH1_VS_TH2_48H_ACT_UP
                                                                                                                           GSE16385_UNTREATED_VS_12H_IL4_TREATED_MACROPHAGE_UP, GSE16385_UNTREATED_VS_12H_IL4_TREATED_MACROPHAGE_UP
                                                                                                                           GSE41867_NAIVE_VS_DAY8_LCMV_ARMSTRONG_EFFECTOR_CD8_TCELL_UP, GSE41867_NAIVE_VS_DAY8_LCMV_ARMSTRONG_EFFECTOR_CD8_TCELL_UP
                                                                                                                           GSE24972_MARGINAL_ZONE_BCELL_VS_FOLLICULAR_BCELL_DN, GSE24972_MARGINAL_ZONE_BCELL_VS_FOLLICULAR_BCELL_DN
                                                                                                                           GSE19772_CTRL_VS_HCMV_INF_MONOCYTES_AND_PI3K_INHIBITION_DN, GSE19772_CTRL_VS_HCMV_INF_MONOCYTES_AND_PI3K_INHIBITION_DN
                                                                                                                           GSE19923_WT_VS_HEB_AND_E2A_KO_DP_THYMOCYTE_DN, GSE19923_WT_VS_HEB_AND_E2A_KO_DP_THYMOCYTE_DN
                                                                                                                           GSE18281_PERIMEDULLARY_CORTICAL_REGION_VS_WHOLE_CORTEX_THYMUS_UP, GSE18281_PERIMEDULLARY_TORTEX_THYMUS_UP, GSE18281_PERIMEDULLARY_TORTEX_THYMUS
                                                                                                                           GSE24210_TCONV_VS_TREG_UP, GSE24210_TCONV_VS_TREG_UP
                                                                                                                           GSE25088_IL4_VS_IL4_AND_ROSIGLITAZONE_STIM_MACROPHAGE_DAY10_DN, GSE25088_IL4_VS_IL4_AND_ROSIGLITAZONE_STIM_MACROPHAGE_DAY10_DN
                                                                                                                           GSE20366_EX_VIVO_VS_DEC205_CONVERSION_DN, GSE20366_EX_VIVO_VS_DEC205_CONVERSION_DN
                                                                                                                           GSE40666_UNTREATED_VS_IFNA_STIM_EFFECTOR_CD8_TCELL_90MIN_UP, GSE40666_UNTREATED_VS_IFNA_STIM_EFFECTOR_CD8_TCELL_90MIN_UP
                                                                                                                          GSE5589_WT_VS_IL6_KO_LPS_AND_IL10_STIM_MACROPHAGE_180MIN_DN, GSE5589_WT_VS_IL6_KO_LPS_AND_IL10_STIM_MACROPHAGE_180MIN_DN
_RNA_VS_MRNA_4H_LPS_DC_UP, GSE14000_TRANSLATED_RNA_VS_MRNA_4H_LPS_DC_UP
                                                                                                                          GSE27241_WT_VS_RORGT_KO_TH17_POLARIZED_CD4_TCELL_TREATED_WITH_DIGOXIN_DN, GSE27241_WT_VS_RORGT_KO_TH17_POLARIZED_CD4_TCELL_TREATED_
                                                                                                                          GSE21360_NAIVE_VS_PRIMARY_MEMORY_CD8_TCELL_DN, GSE21360_NAIVE_VS_PRIMARY_MEMORY_CD8_TCELL_DN
                                                                                                                           GSE46025_WT_VS_FOXO1_KO_KLRG1_LOW_CD8_EFFECTOR_TCELL_UP, GSE46025_WT_VS_FOXO1_KO_KLRG1_LOW_CD8_EFFECTOR_TCELL_UP
                                                                                                                           GSE18893_TCONV_VS_TREG_24H_CULTURE_UP, GSE18893_TCONV_VS_TREG_24H_CULTURE_UP
                                                                                                                           GSE32034_UNTREATED_VS_ROSIGLIZATONE_TREATED_LY6C_LOW_MONOCYTE_DN, GSE32034_UNTREATED_VS_ROSIGLIZATONE_TREATED_LY6C_LOW_MONOCYTI
                                                                                                                           GSE3982_CTRL_VS_PMA_STIM_EOSINOPHIL_DN, GSE3982_CTRL_VS_PMA_STIM_EOSINOPHIL_DN
                                                                                                                           GSE17721_POLYIC_VS_GARDIQUIMOD_1H_BMDC_UP, GSE17721_POLYIC_VS_GARDIQUIMOD_1H_BMDC_UP
                                                                                                                           GSE19888 CTRL VS TCELL MEMBRANES ACT MAST CELL PRETREAT A3R INH UP, GSE19888 CTRL VS TCELL MEMBRANES ACT MAST CELL PRETREAT A3R IN
                                                                                                                           GSE3203_WT_VS_IFNAR1_KO_INFLUENZA_INFECTED_LN_BCELL_DN, GSE3203_WT_VS_IFNAR1_KO_INFLUENZA_INFECTED_LN_BCELL_DN
                                                                                                                           GSE18281_CORTICAL_VS_MEDULLARY_THYMOCYTE_DN, GSE18281_CORTICAL_VS_MEDULLARY_THYMOCYTE_DN
                                                                                                                           GSE2585 AIRE KO VS WT CD80 LOW MTEC DN, GSE2585 AIRE KO VS WT CD80 LOW MTEC DN
                                                                                                                           GSE21774_CD62L_POS_CD56_DIM_VS_CD62L_NEG_CD56_DIM_NK_CELL_DN, GSE21774_CD62L_POS_CD56_DIM_VS_CD62L_NEG_CD56_DIM_NK_CELL_DN
                                                                                                                           GSE6674_UNSTIM_VS_CPG_STIM_BCELL_UP, GSE6674_UNSTIM_VS_CPG_STIM_BCELL_UP
                                                                                                                           GSE12198_LOW_IL2_STIM_NK_CELL_VS_HIGH_IL2_STIM_NK_CELL_DN, GSE12198_LOW_IL2_STIM_NK_CELL_VS_HIGH_IL2_STIM_NK_CELL_DN
                                                                                                                           GSE20366_TREG_VS_TCONV_DN, GSE20366_TREG_VS_TCONV_DN
                                                                                                                           GSE21670_STAT3_KO_VS_WT_CD4_TCELL_UP, GSE21670_STAT3_KO_VS_WT_CD4_TCELL_UP
                                                                                                                           GSE7852 TREG VS TCONV THYMUS UP, GSE7852 TREG VS TCONV THYMUS UP
                                                                                                                           GSE2706_R848_VS_LPS_8H_STIM_DC_DN, GSE2706_R848_VS_LPS_8H_STIM_DC_DN
                                                                                                                           GSE37301_LYMPHOID_PRIMED_MPP_VS_PRO_BCELL_DN, GSE37301_LYMPHOID_PRIMED_MPP_VS_PRO_BCELL_DN
                                                                                                                           GSE22611_MUTANT_NOD2_TRANSDUCED_VS_CTRL_HEK293T_STIMULATED_WITH_MDP_6H_UP, GSE22611_MUTANT_NOD2_TRANSDUCED_VS_CTRL_HEK293T_STIMI
                                                                                                                           GSE360_L_DONOVANI_VS_T_GONDII_DC_UP, GSE360_L_DONOVANI_VS_T_GONDII_DC_UP
                                                                                                                           GSE36078_WT_VS_IL1R_KO_LUNG_DC_UP, GSE36078_WT_VS_IL1R_KO_LUNG_DC_UP
                                                                                                                           GSE17721_PAM3CSK4_VS_GADIQUIMOD_4H_BMDC_UP, GSE17721_PAM3CSK4_VS_GADIQUIMOD_4H_BMDC_UP
                                                                                                                           GSE1925_CTRL_VS_3H_IFNG_STIM_MACROPHAGE_DN, GSE1925_CTRL_VS_3H_IFNG_STIM_MACROPHAGE_DN
                                                                                                                          GSE9509_LPS_VS_LPS_AND_IL10_STIM_IL10_KO_MACROPHAGE_30MIN_UP, GSE9509_LPS_VS_LPS_AND_IL10_STIM_IL10_KO_MACROPHAGE_30MIN_UP
                                                                                                                          GSE30083_SP2_VS_SP3_THYMOCYTE_DN, GSE30083_SP2_VS_SP3_THYMOCYTE_DN
                                                                                                                          GSE19941_LPS_VS_LPS_AND_IL10_STIM_IL10_KO_NFKBP50_KO_MACROPHAGE_UP, GSE19941_LPS_VS_LPS_AND_IL10_STIM_IL10_KO_NFKBP50_KO_MACROPHAGE_UP
                                                                                                                          GSE7831_1H_VS_4H_INFLUENZA_STIM_PDC_DN, GSE7831_1H_VS_4H_INFLUENZA_STIM_PDC_DN
                                                                                                                          GSE4984_LPS_VS_VEHICLE_CTRL_TREATED_DC_UP, GSE4984_LPS_VS_VEHICLE_CTRL_TREATED_DC_UP
                                                                                                                           GSE23114_WT_VS_SLE2C1_MOUSE_PERITONEAL_CAVITY_B1A_BCELL_UP, GSE23114_WT_VS_SLE2C1_MOUSE_PERITONEAL_CAVITY_B1A_BCELL_UP
                                                                                                                          GSE3982_CTRL_VS_LPS_1H_NEUTROPHIL_DN, GSE3982_CTRL_VS_LPS_1H_NEUTROPHIL_DN
                                                                                                                          GSE21033_CTRL_VS_POLYIC_STIM_DC_1H_UP, GSE21033_CTRL_VS_POLYIC_STIM_DC_1H_UP
                                                                                                                          GSE8685_IL2_ACT_IL2_STARVED_VS_IL21_ACT_IL2_STARVED_CD4_TCELL_DN, GSE8685_IL2_ACT_IL2_STARVED_VS_IL21_ACT_IL2_STARVED_CD4_TCELL_DN
                                                                                                                           GSE20198_UNTREATED_VS_IFNA_TREATED_ACT_CD4_TCELL_UP, GSE20198_UNTREATED_VS_IFNA_TREATED_ACT_CD4_TCELL_UP
                                                                                                                           GSE17721_CTRL_VS_PAM3CSK4_4H_BMDC_DN, GSE17721_CTRL_VS_PAM3CSK4_4H_BMDC_DN
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GSE45837\_WT\_VS\_GFI1\_KO\_PDC\_UP, GSE45837\_WT\_VS\_GFI1\_KO\_PDC\_UP

GSE33162 HDAC3 KO VS HDAC3 KO 4H LPS STIM MACROPHAGE UP, GSE33162 HDAC3 KO VS HDAC3 KO 4H LPS STIM MACROPHAGE UP