```
GSE15930_STIM_VS_STIM_AND_TRICHOSTATINA_48H_CD8_T_CELL_DN, GSE15930_STIM_VS_STIM_AND_TRICHOSTATINA_48H_CD8_T_CELL_DN
                                                                                  GSE17721_PAM3CSK4_VS_CPG_24H_BMDC_DN, GSE17721_PAM3CSK4_VS_CPG_24H_BMDC_DN
                                                                                  GSE25085_FETAL_BM_VS_ADULT_BM_SP4_THYMIC_IMPLANT_UP, GSE25085_FETAL_BM_VS_ADULT_BM_SP4_THYMIC_IMPLANT_UP
                                                                                  GSE8621_UNSTIM_VS_LPS_STIM_MACROPHAGE_DN, GSE8621_UNSTIM_VS_LPS_STIM_MACROPHAGE_DN
                                                                                  GSE17721_LPS_VS_PAM3CSK4_24H_BMDC_UP, GSE17721_LPS_VS_PAM3CSK4_24H_BMDC_UP
                                                                                 GSE15330_HSC_VS_GRANULOCYTE_MONOCYTE_PROGENITOR_UP, GSE15330_HSC_VS_GRANULOCYTE_MONOCYTE_PROGENITOR_UP
                                                                                 GSE40274_FOXP3_VS_FOXP3_AND_GATA1_TRANSDUCED_ACTIVATED_CD4_TCELL_DN, GSE40274_FOXP3_VS_FOXP3_AND_GATA1_TRANSDUCED_ACTIVATED_CD4_TCELL_DN
                                                                                 GSE44649_WT_VS_MIR155_KO_ACTIVATED_CD8_TCELL_UP, GSE44649_WT_VS_MIR155_KO_ACTIVATED_CD8_TCELL_UP
                                                                                 GSE6259_DEC205_POS_DC_VS_BCELL_DN, GSE6259_DEC205_POS_DC_VS_BCELL_DN
                                                                                 GSE24634_IL4_VS_CTRL_TREATED_NAIVE_CD4_TCELL_DAY5_DN, GSE24634_IL4_VS_CTRL_TREATED_NAIVE_CD4_TCELL_DAY5_DN
                                                                                 GSE41867 DAY6 EFFECTOR VS DAY30 EXHAUSTED CD8 TCELL LCMV_CLONE13 UP, GSE41867 DAY6 EFFECTOR VS_DAY30 EXHAUSTED CD8 TCELL LCMV_CLONE13 UP
                                                                                 GSE6259_FLT3L_INDUCED_DEC205_POS_DC_VS_CD8_TCELL_DN, GSE6259_FLT3L_INDUCED_DEC205_POS_DC_VS_CD8_TCELL_DN
                                                                                 GSE14699 NAIVE VS DELETIONAL TOLERANCE CD8 TCELL DN, GSE14699 NAIVE VS DELETIONAL TOLERANCE CD8 TCELL DN
                                                                                 GSE37301_HEMATOPOIETIC_STEM_CELL_VS_RAG2_KO_NK_CELL_UP, GSE37301_HEMATOPOIETIC_STEM_CELL_VS_RAG2_KO_NK_CELL_UP
                                                                                 GSE3982_CTRL_VS_LPS_4H_MAC_DN, GSE3982_CTRL_VS_LPS_4H_MAC_DN
                                                                                 HOWARD_DENDRITIC_CELL_INACT_MONOV_INFLUENZA_A_INDONESIA_05_2005_H5N1_AGE_18_49YO_1DY_UP, HOWARD_DENDRITIC_CELL_INACT_MONOV_INFLUENZA_A_INDONESIA_05_2005_H5N1_AGE_18_49YO_1DY_UP
                                                                                  TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_8D_UP, TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_8D_UP
                                                                                  GSE43955_10H_VS_60H_ACT_CD4_TCELL_WITH_TGFB_IL6_DN, GSE43955_10H_VS_60H_ACT_CD4_TCELL_WITH_TGFB_IL6_DN
                                                                                  GSE4748_CTRL_VS_CYANOBACTERIUM_LPSLIKE_STIM_DC_1H_UP, GSE4748_CTRL_VS_CYANOBACTERIUM_LPSLIKE_STIM_DC_1H_UP
                                                                                  GSE17721_LPS_VS_POLYIC_16H_BMDC_DN, GSE17721_LPS_VS_POLYIC_16H_BMDC_DN
                                                                                  GSE39382_IL3_VS_IL3_IL33_TREATED_MAST_CELL_DN, GSE39382_IL3_VS_IL3_IL33_TREATED_MAST_CELL_DN
                                                                                  GSE3337 CTRL VS 4H IFNG IN CD8POS DC DN, GSE3337 CTRL VS 4H IFNG IN CD8POS DC DN
                                                                                  GSE19888_ADENOSINE_A3R_ACT_VS_A3R_ACT_WITH_A3R_INH_PRETREATMENT_IN_MAST_CELL_DN, GSE19888_ADENOSINE_A3R_ACT_VS_A3R_ACT_WITH_A3R_INH_PRETREATMENT_IN_MAST_CELL_DN
                                                                                  GOBP_TRANSCRIPTION_BY_RNA_POLYMERASE_I, GOBP_TRANSCRIPTION_BY_RNA_POLYMERASE_I
                                                                                  GSE2706_2H_VS_8H_R848_STIM_DC_DN, GSE2706_2H_VS_8H_R848_STIM_DC_DN
                                                                                  GSE7218_IGM_VS_IGG_SIGNAL_THGOUGH_ANTIGEN_BCELL_DN, GSE7218_IGM_VS_IGG_SIGNAL_THGOUGH_ANTIGEN_BCELL_DN
                                                                                  GSE33162 HDAC3 KO VS HDAC3 KO MACROPHAGE UP, GSE33162 HDAC3 KO VS HDAC3 KO MACROPHAGE UP
                                                                                  GSE6259_33D1_POS_DC_VS_CD8_TCELL_DN, GSE6259_33D1_POS_DC_VS_CD8_TCELL_DN
                                                                                  GSE1740_UNSTIM_VS_IFNA_STIMULATED_MCSF_DERIVED_MACROPHAGE_DN, GSE1740_UNSTIM_VS_IFNA_STIMULATED_MCSF_DERIVED_MACROPHAGE_DN
                                                                                  GSE17974_IL4_AND_ANTI_IL12_VS_UNTREATED_24H_ACT_CD4_TCELL_DN, GSE17974_IL4_AND_ANTI_IL12_VS_UNTREATED_24H_ACT_CD4_TCELL_DN
                                                                                  MANNE_COVID19_COMBINED_COHORT_VS_HEALTHY_DONOR_PLATELETS_UP, MANNE_COVID19_COMBINED_COHORT_VS_HEALTHY_DONOR_PLATELETS_UP
                                                                                 IRF2_01, IRF2_01
I_VS_LOW_MONOCYTE_DN, GSE32034_LY6C_HIGH_VS_LOW_MONOCYTE_DN
                                                                                  MIKKELSEN_MEF_LCP_WITH_H3K4ME3, MIKKELSEN_MEF_LCP_WITH_H3K4ME3
                                                                                  GSE36527_CD62L_HIGH_CD69_NEG_VS_CD62L_LOW_CD69_POS_TREG_KLRG1_NEG_DN, GSE36527_CD62L_HIGH_CD69_NEG_VS_CD62L_LOW_CD69_POS_TREG_KLRG1_NEG_DN
                                                                                  GSE33513_TCF7_KO_VS_HET_EARLY_THYMIC_PROGENITOR_UP, GSE33513_TCF7_KO_VS_HET_EARLY_THYMIC_PROGENITOR_UP
                                                                                  MODULE_345, MODULE_345
                                                                                  GSE18791_CTRL_VS_NEWCASTLE_VIRUS_DC_14H_DN, GSE18791_CTRL_VS_NEWCASTLE_VIRUS_DC_14H_DN
                                                                                  ALK_DN.V1_DN, ALK_DN.V1_DN
                                                                                  GSE2770 IL12 AND TGFB_VS_IL4_TREATED_ACT_CD4_TCELL_48H_DN, GSE2770 IL12_AND_TGFB_VS_IL4_TREATED_ACT_CD4_TCELL_48H_DN
                                                                                  GSE6566_STRONG_VS_WEAK_DC_STIMULATED_CD4_TCELL_UP, GSE6566_STRONG_VS_WEAK_DC_STIMULATED_CD4_TCELL_UP
                                                                                  GSE43863_NAIVE_VS_MEMORY_TH1_CD4_TCELL_D150_LCMV_UP, GSE43863_NAIVE_VS_MEMORY_TH1_CD4_TCELL_D150_LCMV_UP
                                                                                  MIR3675_3P, MIR3675_3P
                                                                                  MIKKELSEN_MCV6_LCP_WITH_H3K4ME3, MIKKELSEN_MCV6_LCP_WITH_H3K4ME3
                                                                                  GSE1740 MCSF VS MCSF AND IFNG DAY2 DERIVED MACROPHAGE UP, GSE1740 MCSF VS MCSF AND IFNG DAY2 DERIVED MACROPHAGE UP
                                                                                 HUPER BREAST BASAL VS LUMINAL DN, HUPER BREAST BASAL VS LUMINAL DN
                                                                                  MIR10226, MIR10226
                                                                                  GSE2706 R848 VS LPS 2H STIM DC DN, GSE2706 R848 VS LPS 2H STIM DC DN
                                                                                 HOWARD_B_CELL_INACT_MONOV_INFLUENZA_A_INDONESIA_05_2005_H5N1_AGE_18_49YO_1DY_UP, HOWARD_B_CELL_INACT_MONOV_INFLUENZA_A_INDONESIA_05_2005_H5N1_AGE_18_49YO_1DY_UP
                                                                                 TSAI_RESPONSE_TO_RADIATION_THERAPY, TSAI_RESPONSE_TO_RADIATION_THERAPY
                                                                                 HP ANTERIOR UVEITIS, HP ANTERIOR UVEITIS
                                                                                 HOEK_NEUTROPHIL_2011_2012_TIV_ADULT_7DY_DN, HOEK_NEUTROPHIL_2011_2012_TIV_ADULT_7DY_DN
                                                                                 REACTOME_ENDOSOMAL_VACUOLAR_PATHWAY, REACTOME_ENDOSOMAL_VACUOLAR_PATHWAY
                                                                                 MATZUK_IMPLANTATION_AND_UTERINE, MATZUK_IMPLANTATION_AND_UTERINE
                                                                                 GOBP_ANTIGEN_PROCESSING_AND_PRESENTATION_OF_EXOGENOUS_PEPTIDE_ANTIGEN_VIA_MHC_CLASS_I_TAP_INDEPENDENT, GOBP_ANTIGEN_PROCESSING_AND_PRESENTATION_OF_EXOGENOUS_PEPTIDE_ANTIGEN_VIA_MHC_C
                                                                                 REACTOME_NICOTINAMIDE_SALVAGING, REACTOME_NICOTINAMIDE_SALVAGING
                                                                                 BIOCARTA_MHC_PATHWAY, BIOCARTA_MHC_PATHWAY
                                                                                 GOBP_MAMMARY_GLAND_FORMATION, GOBP_MAMMARY_GLAND_FORMATION
                                                                                 MODULE_143, MODULE_143
                                                                                 HP_ABNORMAL_CELL_MORPHOLOGY, HP_ABNORMAL_CELL_MORPHOLOGY
                                                                                 GOBP_G_PROTEIN_COUPLED_ACETYLCHOLINE_RECEPTOR_SIGNALING_PATHWAY, GOBP_G_PROTEIN_COUPLED_ACETYLCHOLINE_RECEPTOR_SIGNALING_PATHWAY
                                                                                 HP_EMG_DECREMENTAL_RESPONSE_OF_COMPOUND_MUSCLE_ACTION_POTENTIAL_TO_REPETITIVE_NERVE_STIMULATION, HP_EMG_DECREMENTAL_RESPONSE_OF_COMPOUND_MUSCLE_ACTION_POTENTIAL_TO_REPETITIVE_NERVE
                                                                                  HP_LIMITED_PRONATION_SUPINATION_OF_FOREARM, HP_LIMITED_PRONATION_SUPINATION_OF_FOREARM
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GSE34006\_A2AR\_KO\_VS\_A2AR\_AGONIST\_TREATED\_TREG\_DN, GSE34006\_A2AR\_KO\_VS\_A2AR\_AGONIST\_TREATED\_TREG\_DN

GOCC\_CIS\_GOLGI\_NETWORK\_MEMBRANE, GOCC\_CIS\_GOLGI\_NETWORK\_MEMBRANE

GOCC\_CHOLINERGIC\_SYNAPSE, GOCC\_CHOLINERGIC\_SYNAPSE