```
GSE17974_0.5H_VS_72H_UNTREATED_IN_VITRO_CD4_TCELL_DN, GSE17974_0.5H_VS_72H_UNTREATED_IN_VITRO_CD4_TCELL_DN
                                                                                                                                       GSE17974_0H_VS_48H_IN_VITRO_ACT_CD4_TCELL_DN, GSE17974_0H_VS_48H_IN_VITRO_ACT_CD4_TCELL_DN
                                                                                                                                       GSE17974_CTRL_VS_ACT_IL4_AND_ANTI_IL12_72H_CD4_TCELL_DN, GSE17974_CTRL_VS_ACT_IL4_AND_ANTI_IL12_72H_CD4_TCELL_DN
                                                                                                                                      GSE17974_2.5H_VS_72H_IL4_AND_ANTI_IL12_ACT_CD4_TCELL_DN, GSE17974_2.5H_VS_72H_IL4_AND_ANTI_IL12_ACT_CD4_TCELL_DN
                                                                                                                                      GSE9509_10MIN_VS_30MIN_LPS_STIM_IL10_KO_MACROPHAGE_UP, GSE9509_10MIN_VS_30MIN_LPS_STIM_IL10_KO_MACROPHAGE_UP
                                                                                                                                      GSE17974_1.5H_VS_72H_IL4_AND_ANTI_IL12_ACT_CD4_TCELL_DN, GSE17974_1.5H_VS_72H_IL4_AND_ANTI_IL12_ACT_CD4_TCELL_DN
                                                                                                                                      GSE19888_ADENOSINE_A3R_ACT_VS_A3R_ACT_WITH_A3R_INH_PRETREATMENT_IN_MAST_CELL_UP, GSE19888_ADENOSINE_A3R_ACT_VS_A3R_ACT_WITH_A3R_INH_PRETREATMENT_IN_MAST_CELL_UP
                                                                                                                                       GSE22103_LPS_VS_GMCSF_AND_IFNG_STIM_NEUTROPHIL_UP, GSE22103_LPS_VS_GMCSF_AND_IFNG_STIM_NEUTROPHIL_UP
                                                                                                                                      GSE11057_NAIVE_VS_EFF_MEMORY_CD4_TCELL_DN, GSE11057_NAIVE_VS_EFF_MEMORY_CD4_TCELL_DN
                                                                                                                                      HAHTOLA_MYCOSIS_FUNGOIDES_CD4_DN, HAHTOLA_MYCOSIS_FUNGOIDES_CD4_DN
                                                                                                                                       GSE13738_RESTING_VS_BYSTANDER_ACTIVATED_CD4_TCELL_DN, GSE13738_RESTING_VS_BYSTANDER_ACTIVATED_CD4_TCELL_DN
                                                                                                                                       GSE22196 HEALTHY_VS_OBESE_MOUSE_SKIN_GAMMADELTA_TCELL_UP, GSE22196 HEALTHY_VS_OBESE_MOUSE_SKIN_GAMMADELTA_TCELL_UP
                                                                                                                                       GSE29617_CTRL_VS_DAY7_TIV_FLU_VACCINE_PBMC_2008_DN, GSE29617_CTRL_VS_DAY7_TIV_FLU_VACCINE_PBMC_2008_DN
                                                                                                                                       GSE27786_LSK_VS_NKTCELL_UP, GSE27786_LSK_VS_NKTCELL_UP
                                                                                                                                       GSE3982 DC VS CENT MEMORY CD4 TCELL UP, GSE3982 DC VS CENT MEMORY CD4 TCELL UP
                                                                                                                                       GSE12845_IGD_POS_BLOOD_VS_NAIVE_TONSIL_BCELL_UP, GSE12845_IGD_POS_BLOOD_VS_NAIVE_TONSIL_BCELL_UP
                                                                                                                                       GSE17721_CTRL_VS_POLYIC_8H_BMDC_UP, GSE17721_CTRL_VS_POLYIC_8H_BMDC_UP
                                                                                                                                       GSE26928_NAIVE_VS_CENT_MEMORY_CD4_TCELL_DN, GSE26928_NAIVE_VS_CENT_MEMORY_CD4_TCELL_DN
                                                                                                                                       GSE29614_DAY3_VS_DAY7_TIV_FLU_VACCINE_PBMC_DN, GSE29614_DAY3_VS_DAY7_TIV_FLU_VACCINE_PBMC_DN
                                                                                                                                       GSE17301_ACD3_ACD28_VS_ACD3_ACD28_AND_IFNA5_STIM_CD8_TCELL_DN, GSE17301_ACD3_ACD28_VS_ACD3_ACD28_AND_IFNA5_STIM_CD8_TCELL_DN
                                                                                                                                       GSE23321_CENTRAL_MEMORY_VS_NAIVE_CD8_TCELL_UP, GSE23321_CENTRAL_MEMORY_VS_NAIVE_CD8_TCELL_UP
                                                                                                                                       GSE16385 ROSIGLITAZONE IL4 VS IL4 ALONE STIM MACROPHAGE 12H DN, GSE16385 ROSIGLITAZONE IL4 VS IL4 ALONE STIM MACROPHAGE 12H DN
                                                                                                                                       GSE17974_0H_VS_1H_IN_VITRO_ACT_CD4_TCELL_UP, GSE17974_0H_VS_1H_IN_VITRO_ACT_CD4_TCELL_UP
                                                                                                                                       GSE8685_IL2_STARVED_VS_IL2_ACT_IL2_STARVED_CD4_TCELL_UP, GSE8685_IL2_STARVED_VS_IL2_ACT_IL2_STARVED_CD4_TCELL_UP
                                                                                                                                       GSE13522_WT_VS_IFNAR_KO_SKIN_UP, GSE13522_WT_VS_IFNAR_KO_SKIN_UP
                                                                                                                                        GSE2585_THYMIC_MACROPHAGE_VS_MTEC_UP, GSE2585_THYMIC_MACROPHAGE_VS_MTEC_UP
                                                                                                                                        GSE5455_HEALTHY_VS_TUMOR_BEARING_MOUSE_SPLEEN_MONOCYTE_DN, GSE5455_HEALTHY_VS_TUMOR_BEARING_MOUSE_SPLEEN_MONOCYTE_DN
                                                                                                                                       GSE22611_UNSTIM_VS_6H_MDP_STIM_MUTANT_NOD2_TRANSDUCED_HEK293T_CELL_UP, GSE22611_UNSTIM_VS_6H_MDP_STIM_MUTANT_NOD2_TRANSDUCED_HEK293T_CELL_UP
                                                                                                                                       GSE3982_EFF_MEMORY_VS_CENT_MEMORY_CD4_TCELL_UP, GSE3982_EFF_MEMORY_VS_CENT_MEMORY_CD4_TCELL_UP
                                                                                                                                       GSE12003_4D_VS_8D_CULTURE_MIR223_KO_BM_PROGENITOR_DN, GSE12003_4D_VS_8D_CULTURE_MIR223_KO_BM_PROGENITOR_DN
                                                                                                                                       GSE27786_CD4_TCELL_VS_NKCELL_UP, GSE27786_CD4_TCELL_VS_NKCELL_UP
                                                                                                                                       GSE17301_ACD3_ACD28_VS_ACD3_ACD28_AND_IFNA5_STIM_CD8_TCELL_UP, GSE17301_ACD3_ACD28_VS_ACD3_ACD28_AND_IFNA5_STIM_CD8_TCELL_UP
                                                                                                                                       GSE5542_UNTREATED_VS_IFNA_TREATED_EPITHELIAL_CELLS_6H_DN, GSE5542_UNTREATED_VS_IFNA_TREATED_EPITHELIAL_CELLS_6H_DN
                                                                                                                                       GSE17974_CTRL_VS_ACT_IL4_AND_ANTI_IL12_1H_CD4_TCELL_UP, GSE17974_CTRL_VS_ACT_IL4_AND_ANTI_IL12_1H_CD4_TCELL_UP
                                                                                                                                       ROSS_AML_WITH_MLL_FUSIONS, ROSS_AML_WITH_MLL_FUSIONS
                                                                                                                                       GSE46606_IRF4_KO_VS_WT_CD40L_IL2_IL5_1DAY_STIMULATED_BCELL_UP, GSE46606_IRF4_KO_VS_WT_CD40L_IL2_IL5_1DAY_STIMULATED_BCELL_UP
                                                                                                                                        GSE28726_NAIVE_CD4_TCELL_VS_NAIVE_VA24NEG_NKTCELL_DN, GSE28726_NAIVE_CD4_TCELL_VS_NAIVE_VA24NEG_NKTCELL_DN
                                                                                                                                       GSE36078_UNTREATED_VS_AD5_T425A_HEXON_INF_MOUSE_LUNG_DC_DN, GSE36078_UNTREATED_VS_AD5_T425A_HEXON_INF_MOUSE_LUNG_DC_DN
                                                                                                                                       GSE22601_DOUBLE_NEGATIVE_VS_DOUBLE_POSITIVE_THYMOCYTE_UP, GSE22601_DOUBLE_NEGATIVE_VS_DOUBLE_POSITIVE_THYMOCYTE_UP
                                                                                                                                       GSE44649_WT_VS_MIR155_KO_ACTIVATED_CD8_TCELL_DN, GSE44649_WT_VS_MIR155_KO_ACTIVATED_CD8_TCELL_DN
                                                                                                                                       GSE29617_DAY3_VS_DAY7_TIV_FLU_VACCINE_PBMC_2008_UP, GSE29617_DAY3_VS_DAY7_TIV_FLU_VACCINE_PBMC_2008_UP
NTREATED_IN_VITRO_CD4_TCELL_DN, GSE17974_2H_VS_72H_UNTREATED_IN_VITRO_CD4_TCELL_DN
                                                                                                                                       GSE24142 EARLY THYMIC PROGENITOR VS DN2 THYMOCYTE ADULT DN, GSE24142 EARLY THYMIC PROGENITOR VS DN2 THYMOCYTE ADULT DN
                                                                                                                                       GSE40274_CTRL_VS_XBP1_TRANSDUCED_ACTIVATED_CD4_TCELL_UP, GSE40274_CTRL_VS_XBP1_TRANSDUCED_ACTIVATED_CD4_TCELL_UP
                                                                                                                                        E2F3_UP.V1_UP, E2F3_UP.V1_UP
                                                                                                                                       SERVITIA ISLET HNF1A TARGETS UP, SERVITIA ISLET HNF1A TARGETS UP
                                                                                                                                       GO ENDONUCLEASE ACTIVITY ACTIVE WITH EITHER RIBO OR DEOXYRIBONUCLEIC ACIDS AND PRODUCING 5 PHOSPHOMONOESTERS, GO ENDONUCLEASE ACTIVITY ACTIVE WITH EITHER RIBO OR DEOXYRIBONUCLEIC ACIDS AND PRODUCING 5 PHOSPHOMONOESTERS, GO ENDONUCLEASE ACTIVITY ACTIVE WITH EITHER RIBO OR DEOXYRIBONUCLEIC ACIDS AND PRODUCING 5 PHOSPHOMONOESTERS, GO ENDONUCLEASE ACTIVITY ACTIVE WITH EITHER RIBO OR DEOXYRIBONUCLEIC ACIDS AND PRODUCING 5 PHOSPHOMONOESTERS, GO ENDONUCLEASE ACTIVITY ACTIVE WITH EITHER RIBO OR DEOXYRIBONUCLEIC ACIDS AND PRODUCING 5 PHOSPHOMONOESTERS, GO ENDONUCLEASE ACTIVITY ACTIVE WITH EITHER RIBO OR DEOXYRIBONUCLEIC ACIDS AND PRODUCING 5 PHOSPHOMONOESTERS, GO ENDONUCLEASE ACTIVITY ACTIVE WITH EITHER RIBO OR DEOXYRIBONUCLEIC ACIDS AND PRODUCING 5 PHOSPHOMONOESTERS, GO ENDONUCLEASE ACTIVITY ACTIVE WITH EITHER RIBO OR DEOXYRIBONUCLEIC ACIDS AND PRODUCING 5 PHOSPHOMONOESTERS, GO ENDONUCLEASE ACTIVITY ACTIVE WITH EITHER RIBO OR DEOXYRIBONUCLEIC ACIDS AND PRODUCING 5 PHOSPHOMONOESTERS, GO ENDONUCLEASE ACTIVITY ACTIVE WITH EITHER RIBO OR DEOXYRIBONUCLEIC ACIDS AND PRODUCING 5 PHOSPHOMONOESTERS, GO ENDONUCLEASE ACTIVITY ACTIVE WITH EITHER RIBO OR DEOXYRIBONUCLEIC ACIDS AND PRODUCING 5 PHOSPHOMONOESTERS, GO ENDONUCLEASE ACTIVITY ACTIVE WITH EITHER RIBO OR DEOXYRIBONUCLEIC ACIDS AND PRODUCING 5 PHOSPHOMONOESTERS, GO ENDONUCLEASE ACTIVITY ACTIVE WITH EITHER RIBO OR DEOXYRIBONUCLEIC ACIDS AND PRODUCING 5 PHOSPHOMONOESTERS, GO ENDONUCLEASE ACTIVITY ACTIVE WITH EITHER RIBO OR DEOXYRIBONUCLEIC ACIDS AND PRODUCING 5 PHOSPHOMONOESTERS, GO ENDONUCLEASE ACTIVITY ACTIVE WITH EITHER RIBO OR DEOXYRIBONUCLEIC ACIDS AND PRODUCING 5 PHOSPHOMONOESTERS, GO ENDONUCLEASE ACTIVITY ACTIVE WITH EITHER RIBO OR DEOXYRIBONUCLEIC ACIDS AND PRODUCING 5 PHOSPHOMONOESTERS, GO ENDONUCLEASE ACTIVITY ACTIVE WITH EITHER RIBO OR DEOXYRIBONUCLEIC ACIDS AND PRODUCING 5 PHOSPHOMONOESTERS, GO ENDONUCLEASE ACTIVITY ACTIVE ACTI
                                                                                                                                        KEGG_GALACTOSE_METABOLISM, KEGG_GALACTOSE_METABOLISM
                                                                                                                                       GSE360_CTRL_VS_B_MALAYI_LOW_DOSE_DC_UP, GSE360_CTRL_VS_B_MALAYI_LOW_DOSE_DC_UP
                                                                                                                                       GO_PEPTIDASE_ACTIVATOR_ACTIVITY, GO_PEPTIDASE_ACTIVATOR_ACTIVITY
                                                                                                                                       GSE16450_CTRL_VS_IFNA_12H_STIM_IMMATURE_NEURON_CELL_LINE_DN, GSE16450_CTRL_VS_IFNA_12H_STIM_IMMATURE_NEURON_CELL_LINE_DN
                                                                                                                                       GSE26023_PHD3_KO_VS_WT_NEUTROPHIL_HYPOXIA_UP, GSE26023_PHD3_KO_VS_WT_NEUTROPHIL_HYPOXIA_UP
                                                                                                                                       GO_RRNA_METHYLATION, GO_RRNA_METHYLATION
                                                                                                                                       GNF2 FGR, GNF2 FGR
                                                                                                                                       GSE29618_LAIV_VS_TIV_FLU_VACCINE_DAY7_PDC_DN, GSE29618_LAIV_VS_TIV_FLU_VACCINE_DAY7_PDC_DN
                                                                                                                                       GO_PEPTIDASE_ACTIVATOR_ACTIVITY_INVOLVED_IN_APOPTOTIC_PROCESS, GO_PEPTIDASE_ACTIVATOR_ACTIVITY_INVOLVED_IN_APOPTOTIC_PROCESS
                                                                                                                                        KEGG_NICOTINATE_AND_NICOTINAMIDE_METABOLISM, KEGG_NICOTINATE_AND_NICOTINAMIDE_METABOLISM
                                                                                                                                       GSE3720_UNSTIM_VS_LPS_STIM_VD1_GAMMADELTA_TCELL_DN, GSE3720_UNSTIM_VS_LPS_STIM_VD1_GAMMADELTA_TCELL_DN
                                                                                                                                       GO_NUCLEOBASE_BIOSYNTHETIC_PROCESS, GO_NUCLEOBASE_BIOSYNTHETIC_PROCESS
                                                                                                                                       REACTOME_PURINE_RIBONUCLEOSIDE_MONOPHOSPHATE_BIOSYNTHESIS, REACTOME_PURINE_RIBONUCLEOSIDE_MONOPHOSPHATE_BIOSYNTHESIS
                                                                                                                                       BIOCARTA_CELL2CELL_PATHWAY, BIOCARTA_CELL2CELL_PATHWAY
                                                                                                                                       KUMAMOTO_RESPONSE_TO_NUTLIN_3A_DN, KUMAMOTO_RESPONSE_TO_NUTLIN_3A_DN
                                                                                                                                       WILLIAMS_ESR1_TARGETS_UP, WILLIAMS_ESR1_TARGETS_UP
                                                                                                                                      GO_PURINE_NUCLEOBASE_BIOSYNTHETIC_PROCESS, GO_PURINE_NUCLEOBASE_BIOSYNTHETIC_PROCESS
                                                                                                                                       KOHOUTEK_CCNT1_TARGETS, KOHOUTEK_CCNT1_TARGETS
                                                                                                                                       GO_PYRIDINE_NUCLEOTIDE_BIOSYNTHETIC_PROCESS, GO_PYRIDINE_NUCLEOTIDE_BIOSYNTHETIC_PROCESS
                                                                                                                                       HEIDENBLAD_AMPLICON_12P11_12_DN, HEIDENBLAD_AMPLICON_12P11_12_DN
                                                                                                                                       PRC1_BMI_UP.V1_UP, PRC1_BMI_UP.V1_UP
                                                                                                                                      GSE1566_WT_VS_EZH2_KO_LN_TCELL_UP, GSE1566_WT_VS_EZH2_KO_LN_TCELL_UP
                                                                                                                                      GO_REGULATION_OF_T_CELL_RECEPTOR_SIGNALING_PATHWAY, GO_REGULATION_OF_T_CELL_RECEPTOR_SIGNALING_PATHWAY
                                                                                                                                       REACTOME_PURINE_METABOLISM, REACTOME_PURINE_METABOLISM
                                                                                                                                      GO_PURINE_NUCLEOBASE_METABOLIC_PROCESS, GO_PURINE_NUCLEOBASE_METABOLIC_PROCESS
                                                                                                                                      GO_PYRIDINE_CONTAINING_COMPOUND_BIOSYNTHETIC_PROCESS, GO_PYRIDINE_CONTAINING_COMPOUND_BIOSYNTHETIC_PROCESS
                                                                                                                                      GO_NEURON_PROJECTION_EXTENSION, GO_NEURON_PROJECTION_EXTENSION
                                                                                                                                      GO_IMP_BIOSYNTHETIC_PROCESS, GO_IMP_BIOSYNTHETIC_PROCESS
                                                                                                                                      GO_RRNA_METHYLTRANSFERASE_ACTIVITY, GO_RRNA_METHYLTRANSFERASE_ACTIVITY
                                                                                                                                       GO_ENDODEOXYRIBONUCLEASE_ACTIVITY_PRODUCING_5_PHOSPHOMONOESTERS, GO_ENDODEOXYRIBONUCLEASE_ACTIVITY_PRODUCING_5_PHOSPHOMONOESTERS
                                                                                                                                      GSE29949_MICROGLIA_BRAIN_VS_CD8_POS_DC_SPLEEN_DN, GSE29949_MICROGLIA_BRAIN_VS_CD8_POS_DC_SPLEEN_DN
                                                                                                                                       GO_NAD_BIOSYNTHETIC_PROCESS, GO_NAD_BIOSYNTHETIC_PROCESS
                                                                                                                                       GO_GMP_METABOLIC_PROCESS, GO_GMP_METABOLIC_PROCESS
                                                                                                                                      OZANNE_AP1_TARGETS_UP, OZANNE_AP1_TARGETS_UP
                                                                                                                                       GO_IMP_METABOLIC_PROCESS, GO_IMP_METABOLIC_PROCESS
```