```
GSE5503_LIVER_DC_VS_SPLEEN_DC_ACTIVATED_ALLOGENIC_TCELL_DN, GSE5503_LIVER_DC_VS_SPLEEN_DC_ACTIVATED_ALLOGENIC_TCELL_DN
                                                                                                                                GSE36009 UNSTIM VS LPS STIM NLRP10 KO DC DN, GSE36009 UNSTIM VS LPS STIM NLRP10 KO 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
                                                                                                                                 GSE20198_IL12_IL18_VS_IFNA_TREATED_ACT_CD4_TCELL_DN, GSE20198_IL12_IL18_VS_IFNA_TREATED_ACT_CD4_TCELL_DN
                                                                                                                                 GSE14308_INDUCED_VS_NATURAL_TREG_UP, GSE14308_INDUCED_VS_NATURAL_TREG_UP
                                                                                                                                GSE21063_CTRL_VS_ANTI_IGM_STIM_BCELL_NFATC1_KO_8H_UP, GSE21063_CTRL_VS_ANTI_IGM_STIM_BCELL_NFATC1_KO_8H_UP
                                                                                                                                 GSE20198_UNTREATED_VS_IL12_IL18_TREATED_ACT_CD4_TCELL_DN, GSE20198_UNTREATED_VS_IL12_IL18_TREATED_ACT_CD4_TCELL_DN
                                                                                                                                GSE9037_CTRL_VS_LPS_1H_STIM_BMDM_UP, GSE9037_CTRL_VS_LPS_1H_STIM_BMDM_UP
                                                                                                                                SREBP1_01, SREBP1_01
                                                                                                                                GSE9037_WT_VS_IRAK4_KO_LPS_4H_STIM_BMDM_UP, GSE9037_WT_VS_IRAK4_KO_LPS_4H_STIM_BMDM_UP
                                                                                                                                MIR4418, MIR4418
                                                                                                                                MIR138_2_3P, MIR138_2_3P
                                                                                                                                MIR4778_5P, MIR4778_5P
                                                                                                                                 GSE5142_CTRL_VS_HTERT_TRANSDUCED_CD8_TCELL_EARLY_PASSAGE_CLONE_DN, GSE5142_CTRL_VS_HTERT_TRANSDUCED_CD8_TCELL_EARLY_PASSAGE_CLONE_DN
                                                                                                                                 GOCC_FIBRILLAR_CENTER, GOCC_FIBRILLAR_CENTER
                                                                                                                                 GSE23505_IL6_IL1_VS_IL6_IL1_TGFB_TREATED_CD4_TCELL_UP, GSE23505_IL6_IL1_VS_IL6_IL1_TGFB_TREATED_CD4_TCELL_UP
                                                                                                                                 GOBP_POSITIVE_REGULATION_OF_CHROMATIN_ORGANIZATION, GOBP_POSITIVE_REGULATION_OF_CHROMATIN_ORGANIZATION
                                                                                                                                 GSE40274_CTRL_VS_IRF4_TRANSDUCED_ACTIVATED_CD4_TCELL_DN, GSE40274_CTRL_VS_IRF4_TRANSDUCED_ACTIVATED_CD4_TCELL_DN
                                                                                                                                 GSE7548_NAIVE_VS_DAY28_PCC_IMMUNIZATION_CD4_TCELL_UP, GSE7548_NAIVE_VS_DAY28_PCC_IMMUNIZATION_CD4_TCELL_UP
                                                                                                                                 MIR4684_5P, MIR4684_5P
                                                                                                                                 GSE14769_UNSTIM_VS_360MIN_LPS_BMDM_DN, GSE14769_UNSTIM_VS_360MIN_LPS_BMDM_DN
                                                                                                                                 GOCC_HISTONE_METHYLTRANSFERASE_COMPLEX, GOCC_HISTONE_METHYLTRANSFERASE_COMPLEX
                                                                                                                                 GSE8835_HEALTHY_VS_CLL_CD4_TCELL_UP, GSE8835_HEALTHY_VS_CLL_CD4_TCELL_UP
                                                                                                                                 GKCGCNNNNNNTGAYG UNKNOWN, GKCGCNNNNNNNTGAYG UNKNOWN
                                                                                                                                 EGR2_01, EGR2_01
                                                                                                                                HP_INCREASED_BONE_MINERAL_DENSITY, HP_INCREASED_BONE_MINERAL_DENSITY
                                                                                                                                GSE26488_HDAC7_KO_VS_VP16_TRANSGENIC_HDAC7_KO_DOUBLE_POSITIVE_THYMOCYTE_DN, GSE26488_HDAC7_KO_VS_VP16_TRANSGENIC_HDAC7_KO_DOUBLE_POSITIVE_THYMOCYTE_D
                                                                                                                                MIR6773_3P, MIR6773_3P
                                                                                                                                GOBP_REGULATION_OF_HISTONE_METHYLATION, GOBP_REGULATION_OF_HISTONE_METHYLATION
                                                                                                                                GOCC_PCG_PROTEIN_COMPLEX, GOCC_PCG_PROTEIN_COMPLEX
                                                                                                                                GOBP_REGULATION_OF_DNA_TEMPLATED_TRANSCRIPTION_INITIATION, GOBP_REGULATION_OF_DNA_TEMPLATED_TRANSCRIPTION_INITIATION
                                                                                                                                MIR934, MIR934
                                                                                                                                 MIR501_5P, MIR501_5P
                                                                                                                                IWANAGA_CARCINOGENESIS_BY_KRAS_UP, IWANAGA_CARCINOGENESIS_BY_KRAS_UP
                                                                                                                                MIR4804_3P, MIR4804_3P
                                                                                                                                GSE41978_ID2_KO_AND_BIM_KO_VS_BIM_KO_KLRG1_LOW_EFFECTOR_CD8_TCELL_UP, GSE41978_ID2_KO_AND_BIM_KO_VS_BIM_KO_KLRG1_LOW_EFFECTOR_CD8_TCELL_UP
                                                                                                                                GOBP_REGULATION_OF_TRANSCRIPTION_INITIATION_FROM_RNA_POLYMERASE_II_PROMOTER, GOBP_REGULATION_OF_TRANSCRIPTION_FROM_RNA_POLYMERASE_II_PROMOTER, GOBP_REGULATION_FROM_POLYMERASE_II_PROMOTER, GOBP_REGULATION_FROM_POLYMERASE_II_PROMOTER, GOBP_REGULATION_FROM_POLYMERASE_II_PROMOTER, GOBP_REGULATION_FROM_POLYMERASE_II_PROMOTER, GOBP_REGULATION_FROM_POLYMERASE_II_PROMOTER, GOBP_REGULATION_FROM_POLYMERASE_II_PROMOTER, GOBP_REGULATION_FROM_POLYMERASE_II_PROMOTER, GOBP_REGULATION_FROM_POLYMERASE_II_PROMOTER, GOBP_REGULATION_FROM_POLYMERASE_II_PROMOTER, GOBP_REGULATION_FROM_POLYMERASE_II_
                                                                                                                                GOBP NEGATIVE REGULATION OF CELL CELL ADHESION, GOBP NEGATIVE REGULATION OF CELL CELL ADHESION
S_IL33_IL7_TREATED_NUOCYTES_DN, GSE25890_CTRL_VS_IL33_IL7_TREATED_NUOCYTES_DN
                                                                                                                                MIR516B_5P, MIR516B_5P
                                                                                                                                GOBP_INTRACELLULAR_STEROID_HORMONE_RECEPTOR_SIGNALING_PATHWAY, GOBP_INTRACELLULAR_STEROID_HORMONE_RECEPTOR_SIGNALING_PATHWAY
                                                                                                                                GOBP_REGULATION_OF_INTRACELLULAR_STEROID_HORMONE_RECEPTOR_SIGNALING_PATHWAY, GOBP_REGULATION_OF_INTRACELLULAR_STEROID_HORMONE_RECEPTOR_SIGNALING
                                                                                                                                GOBP_REGULATION_OF_INTRACELLULAR_ESTROGEN_RECEPTOR_SIGNALING_PATHWAY, GOBP_REGULATION_OF_INTRACELLULAR_ESTROGEN_RECEPTOR_SIGNALING_PATHWAY
                                                                                                                                GOBP_POSITIVE_REGULATION_OF_TRANSCRIPTION_INITIATION_FROM_RNA_POLYMERASE_II_PROMOTER, GOBP_POSITIVE_REGULATION_OF_TRANSCRIPTION_INITIATION_FROM_RNA_POLYMERASE_II
                                                                                                                                GSE15930_NAIVE_VS_48H_IN_VITRO_STIM_IFNAB_CD8_TCELL_UP, GSE15930_NAIVE_VS_48H_IN_VITRO_STIM_IFNAB_CD8_TCELL_UP
                                                                                                                                 KEGG_TGF_BETA_SIGNALING_PATHWAY, KEGG_TGF_BETA_SIGNALING_PATHWAY
                                                                                                                                 ARP1_01, ARP1_01
                                                                                                                                MIR6884_3P, MIR6884_3P
                                                                                                                                 GOBP_TRANSCRIPTION_PREINITIATION_COMPLEX_ASSEMBLY, GOBP_TRANSCRIPTION_PREINITIATION_COMPLEX_ASSEMBLY
                                                                                                                                 GOBP_REGULATION_OF_FAT_CELL_DIFFERENTIATION, GOBP_REGULATION_OF_FAT_CELL_DIFFERENTIATION
                                                                                                                                GSE24492_LYVE_NEG_VS_POS_MACROPHAGE_DN, GSE24492_LYVE_NEG_VS_POS_MACROPHAGE_DN
                                                                                                                                 METTL14_TARGET_GENES, METTL14_TARGET_GENES
                                                                                                                                 MORF_STK17A, MORF_STK17A
                                                                                                                                 GOMF_TRANSCRIPTION_COREPRESSOR_BINDING, GOMF_TRANSCRIPTION_COREPRESSOR_BINDING
                                                                                                                                 MIR125A 3P, MIR125A 3P
                                                                                                                                 STAMBOLSKY_TARGETS_OF_MUTATED_TP53_UP, STAMBOLSKY_TARGETS_OF_MUTATED_TP53_UP
                                                                                                                                GOMF_ENDODEOXYRIBONUCLEASE_ACTIVITY_PRODUCING_5_PHOSPHOMONOESTERS, GOMF_ENDODEOXYRIBONUCLEASE_ACTIVITY_PRODUCING_5_PHOSPHOMONOESTERS
                                                                                                                                SMID_BREAST_CANCER_RELAPSE_IN_BRAIN_DN, SMID_BREAST_CANCER_RELAPSE_IN_BRAIN_DN
                                                                                                                                GOBP_RESPONSE_TO_ESTROGEN, GOBP_RESPONSE_TO_ESTROGEN
                                                                                                                                HP_ABNORMALITY_OF_UPPER_LIMB_EPIPHYSIS_MORPHOLOGY, HP_ABNORMALITY_OF_UPPER_LIMB_EPIPHYSIS_MORPHOLOGY
                                                                                                                                HP_OSTEOPETROSIS, HP_OSTEOPETROSIS
                                                                                                                                HO_LIVER_CANCER_VASCULAR_INVASION, HO_LIVER_CANCER_VASCULAR_INVASION
                                                                                                                                RAY_TARGETS_OF_P210_BCR_ABL_FUSION_DN, RAY_TARGETS_OF_P210_BCR_ABL_FUSION_DN
                                                                                                                                MARTORIATI_MDM4_TARGETS_NEUROEPITHELIUM_DN, MARTORIATI_MDM4_TARGETS_NEUROEPITHELIUM_DN
                                                                                                                                KEGG_CIRCADIAN_RHYTHM_MAMMAL, KEGG_CIRCADIAN_RHYTHM_MAMMAL
                                                                                                                                KIM_GERMINAL_CENTER_T_HELPER_DN, KIM_GERMINAL_CENTER_T_HELPER_DN
                                                                                                                                GOBP_SINGLE_STRAND_BREAK_REPAIR, GOBP_SINGLE_STRAND_BREAK_REPAIR
                                                                                                                                HP_PROMINENT_SUPRAORBITAL_RIDGES, HP_PROMINENT_SUPRAORBITAL_RIDGES
                                                                                                                                POOLA_INVASIVE_BREAST_CANCER_DN, POOLA_INVASIVE_BREAST_CANCER_DN
                                                                                                                                GOCC_MHC_PROTEIN_COMPLEX, GOCC_MHC_PROTEIN_COMPLEX
                                                                                                                                HP_SEVERE_VIRAL_INFECTION, HP_SEVERE_VIRAL_INFECTION
                                                                                                                                MODULE_143, MODULE_143
                                                                                                                                GOBP_HISTONE_H2B_UBIQUITINATION, GOBP_HISTONE_H2B_UBIQUITINATION
                                                                                                                                GOBP_MEMORY, GOBP_MEMORY
                                                                                                                                MODULE 293, MODULE 293
                                                                                                                                GOBP_POSITIVE_REGULATION_OF_ANION_TRANSMEMBRANE_TRANSPORT, GOBP_POSITIVE_REGULATION_OF_ANION_TRANSMEMBRANE_TRANSPORT
                                                                                                                                GOBP_ANGIOTENSIN_ACTIVATED_SIGNALING_PATHWAY, GOBP_ANGIOTENSIN_ACTIVATED_SIGNALING_PATHWAY
                                                                                                                                LIEN_BREAST_CARCINOMA_METAPLASTIC_VS_DUCTAL_DN, LIEN_BREAST_CARCINOMA_METAPLASTIC_VS_DUCTAL_DN
                                                                                                                                GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_GREY_UP, GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_GREY_UP
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REACTOME_DECTIN_2_FAMILY, REACTOME_DECTIN_2_FAMILY

MIR1281, MIR1281

GSE20198 UNTREATED VS IL12 TREATED ACT CD4 TCELL UP, GSE20198 UNTREATED VS IL12 TREATED ACT CD4 TCELL UP

GSE19888_CTRL_VS_T_CELL_MEMBRANES_ACT_MAST_CELL_UP, GSE19888_CTRL_VS_T_CELL_MEMBRANES_ACT_MAST_CELL_UP

GSE20198_IL12_VS_IL12_IL18_TREATED_ACT_CD4_TCELL_UP, GSE20198_IL12_VS_IL12_IL18_TREATED_ACT_CD4_TCELL_UP

GSE27786 CD4_TCELL_VS_NEUTROPHIL_UP, GSE27786 CD4_TCELL_VS_NEUTROPHIL_UP