```
GSE5099 MONOCYTE VS ALTERNATIVE M2 MACROPHAGE DN, GSE5099 MONOCYTE VS ALTERNATIVE M2 MACROPHAGE DN
                                                                                                         GSE11924_TFH_VS_TH2_CD4_TCELL_DN, GSE11924_TFH_VS_TH2_CD4_TCELL_DN
                                                                                                         GSE17721_PAM3CSK4_VS_CPG_1H_BMDC_DN, GSE17721_PAM3CSK4_VS_CPG_1H_BMDC_DN
                                                                                                         GSE18791_UNSTIM_VS_NEWCATSLE_VIRUS_DC_1H_DN, GSE18791_UNSTIM_VS_NEWCATSLE_VIRUS_DC_1H_DN
                                                                                                         PID_MET_PATHWAY, PID_MET_PATHWAY
                                                                                                         WP_ANDROGEN_RECEPTOR_SIGNALING_PATHWAY, WP_ANDROGEN_RECEPTOR_SIGNALING_PATHWAY
                                                                                                        BHATI_G2M_ARREST_BY_2METHOXYESTRADIOL_DN, BHATI_G2M_ARREST_BY_2METHOXYESTRADIOL_DN
                                                                                                         GOBP_REGULATION_OF_REGULATED_SECRETORY_PATHWAY, GOBP_REGULATION_OF_REGULATED_SECRETORY_PATHWAY
                                                                                                         GOBP_REGULATION_OF_PROTEIN_TARGETING, GOBP_REGULATION_OF_PROTEIN_TARGETING
                                                                                                         GOBP_REGULATION_OF_INTRACELLULAR_STEROID_HORMONE_RECEPTOR_SIGNALING_PATHWAY, GOBP_REGULATION_OF_INTRACELLULAR_STEROID_HORMONE
                                                                                                         GNF2_CBFB, GNF2_CBFB
                                                                                                         GOBP_PROTEIN_HOMOOLIGOMERIZATION, GOBP_PROTEIN_HOMOOLIGOMERIZATION
                                                                                                         PTPRA_TARGET_GENES, PTPRA_TARGET_GENES
                                                                                                         GOBP_FOCAL_ADHESION_ASSEMBLY, GOBP_FOCAL_ADHESION_ASSEMBLY
                                                                                                         MIR1229_3P, MIR1229_3P
                                                                                                         MILI_PSEUDOPODIA, MILI_PSEUDOPODIA
                                                                                                         MIR4520_2_3P, MIR4520_2_3P
                                                                                                         MIR875_5P, MIR875_5P
                                                                                                         GOBP_POSITIVE_REGULATION_OF_ACTIN_FILAMENT_BUNDLE_ASSEMBLY, GOBP_POSITIVE_REGULATION_OF_ACTIN_FILAMENT_BUNDLE_ASSEMBLY
                                                                                                         MIR4475, MIR4475
                                                                                                         GOBP_POSITIVE_REGULATION_OF_EXOCYTOSIS, GOBP_POSITIVE_REGULATION_OF_EXOCYTOSIS
                                                                                                         GOBP_POSITIVE_REGULATION_OF_STRESS_FIBER_ASSEMBLY, GOBP_POSITIVE_REGULATION_OF_STRESS_FIBER_ASSEMBLY
                                                                                                         MIR4790_3P, MIR4790_3P
                                                                                                         GOBP_PROTEIN_HOMOTETRAMERIZATION, GOBP_PROTEIN_HOMOTETRAMERIZATION
                                                                                                         GSE45365_HEALTHY_VS_MCMV_INFECTION_CD8_TCELL_IFNAR_KO_DN, GSE45365_HEALTHY_VS_MCMV_INFECTION_CD8_TCELL_IFNAR_KO_DN
                                                                                                         HP_BULBAR_SIGNS, HP_BULBAR_SIGNS
                                                                                                         GOMF_TAU_PROTEIN_BINDING, GOMF_TAU_PROTEIN_BINDING
                                                                                                         GSE46606_DAY1_VS_DAY3_CD40L_IL2_IL5_STIMULATED_IRF4_KO_BCELL_UP, GSE46606_DAY1_VS_DAY3_CD40L_IL2_IL5_STIMULATED_IRF4_KO_BCELL_UP
                                                                                                         HP_ABNORMALITY_OF_THE_MUSCULATURE_OF_THE_HAND, HP_ABNORMALITY_OF_THE_MUSCULATURE_OF_THE_HAND
                                                                                                         GOBP_SYNAPTIC_VESICLE_EXOCYTOSIS, GOBP_SYNAPTIC_VESICLE_EXOCYTOSIS
                                                                                                         MORF_DCC, MORF_DCC
                                                                                                         BECKER_TAMOXIFEN_RESISTANCE_UP, BECKER_TAMOXIFEN_RESISTANCE_UP
                                                                                                         GOBP_REGULATION_OF_NEUROTRANSMITTER_TRANSPORT, GOBP_REGULATION_OF_NEUROTRANSMITTER_TRANSPORT
                                                                                                         GOBP_POSITIVE_REGULATION_OF_REGULATED_SECRETORY_PATHWAY, GOBP_POSITIVE_REGULATION_OF_REGULATED_SECRETORY_PATHWAY
                                                                                                         GOBP_REGULATION_OF_MITOCHONDRIAL_FISSION, GOBP_REGULATION_OF_MITOCHONDRIAL_FISSION
                                                                                                         GOBP_REGULATION_OF_SYNAPTIC_VESICLE_EXOCYTOSIS, GOBP_REGULATION_OF_SYNAPTIC_VESICLE_EXOCYTOSIS
                                                                                                         GOBP_ACIDIC_AMINO_ACID_TRANSPORT, GOBP_ACIDIC_AMINO_ACID_TRANSPORT
                                                                                                         REACTOME_SEMA4D_IN_SEMAPHORIN_SIGNALING, REACTOME_SEMA4D_IN_SEMAPHORIN_SIGNALING
                                                                                                         REACTOME_SEMA4D_INDUCED_CELL_MIGRATION_AND_GROWTH_CONE_COLLAPSE, REACTOME_SEMA4D_INDUCED_CELL_MIGRATION_AND_GROWTH_CONE_CO
                                                                                                         HP_UPPER_LIMB_AMYOTROPHY, HP_UPPER_LIMB_AMYOTROPHY
                                                                                                         WP_MICRORNAS_IN_CARDIOMYOCYTE_HYPERTROPHY, WP_MICRORNAS_IN_CARDIOMYOCYTE_HYPERTROPHY
                                                                                                         MIR627_5P, MIR627_5P
                                                                                                         ANDERSON_BLOOD_CN54GP140_ADJUVANTED_WITH_GLA_AF_AGE_18_45YO_6HR_DN, ANDERSON_BLOOD_CN54GP140_ADJUVANTED_WITH_GLA_AF_AGE_18_45YO_
                                                                                                         HP_HAND_MUSCLE_WEAKNESS, HP_HAND_MUSCLE_WEAKNESS
                                                                                                         PBX1 02, PBX1 02
                                                                                                         GOBP_POSITIVE_REGULATION_OF_NEUROTRANSMITTER_TRANSPORT, GOBP_POSITIVE_REGULATION_OF_NEUROTRANSMITTER_TRANSPORT
                                                                                                         GOMF_ALPHA_ACTININ_BINDING, GOMF_ALPHA_ACTININ_BINDING
                                                                                                         GSE2770_UNTREATED_VS_TGFB_AND_IL4_TREATED_ACT_CD4_TCELL_48H_UP, GSE2770_UNTREATED_VS_TGFB_AND_IL4_TREATED_ACT_CD4_TCELL_48H_UP
                                                                                                         GOBP_POSITIVE_REGULATION_OF_NEUROTRANSMITTER_SECRETION, GOBP_POSITIVE_REGULATION_OF_NEUROTRANSMITTER_SECRETION
L_MEMBRANES_ACT_MAST_CELL_UP, GSE19888_CTRL_VS_T_CELL_MEMBRANES_ACT_MAST_CELL_UP
                                                                                                         GOBP_REGULATION_OF_PROTEIN_TARGETING_TO_MEMBRANE, GOBP_REGULATION_OF_PROTEIN_TARGETING_TO_MEMBRANE
                                                                                                         GOBP MITOTIC CYTOKINETIC PROCESS, GOBP MITOTIC CYTOKINETIC PROCESS
                                                                                                         GOBP_RETICULOPHAGY, GOBP_RETICULOPHAGY
                                                                                                         GOBP_POSITIVE_REGULATION_OF_CYTOPLASMIC_TRANSLATION, GOBP_POSITIVE_REGULATION_OF_CYTOPLASMIC_TRANSLATION
                                                                                                         GOBP_GOLGI_TO_LYSOSOME_TRANSPORT, GOBP_GOLGI_TO_LYSOSOME_TRANSPORT
                                                                                                         GOBP_REGULATION_OF_CELLULAR_RESPONSE_TO_OSMOTIC_STRESS, GOBP_REGULATION_OF_CELLULAR_RESPONSE_TO_OSMOTIC_STRESS
                                                                                                         MIR1226_5P, MIR1226_5P
                                                                                                         HP_BREECH_PRESENTATION, HP_BREECH_PRESENTATION
                                                                                                         GOBP_MODIFICATION_OF_SYNAPTIC_STRUCTURE, GOBP_MODIFICATION_OF_SYNAPTIC_STRUCTURE
                                                                                                         LE_NEURONAL_DIFFERENTIATION_UP, LE_NEURONAL_DIFFERENTIATION_UP
                                                                                                         GOBP_VASODILATION, GOBP_VASODILATION
                                                                                                         GOBP_POSITIVE_REGULATION_OF_PROTEIN_TARGETING_TO_MEMBRANE, GOBP_POSITIVE_REGULATION_OF_PROTEIN_TARGETING_TO_MEMBRANE
                                                                                                         GOBP_PEPTIDYL_TYROSINE_AUTOPHOSPHORYLATION, GOBP_PEPTIDYL_TYROSINE_AUTOPHOSPHORYLATION
                                                                                                         chr17p11, chr17p11
                                                                                                         GOBP_EPITHELIAL_CELL_APOPTOTIC_PROCESS, GOBP_EPITHELIAL_CELL_APOPTOTIC_PROCESS
                                                                                                         GOBP_SLEEP, GOBP_SLEEP
                                                                                                         GAUSSMANN_MLL_AF4_FUSION_TARGETS_F_DN, GAUSSMANN_MLL_AF4_FUSION_TARGETS_F_DN
                                                                                                         MARTIN_NFKB_TARGETS_UP, MARTIN_NFKB_TARGETS_UP
                                                                                                         ZNF354A_TARGET_GENES, ZNF354A_TARGET_GENES
                                                                                                         GOBP_GLUTAMATE_SECRETION, GOBP_GLUTAMATE_SECRETION
                                                                                                         GOBP_REGULATION_OF_RESPONSE_TO_OSMOTIC_STRESS, GOBP_REGULATION_OF_RESPONSE_TO_OSMOTIC_STRESS
                                                                                                         HP_PROMINENT_SUPRAORBITAL_RIDGES, HP_PROMINENT_SUPRAORBITAL_RIDGES
                                                                                                         PID_S1P_S1P1_PATHWAY, PID_S1P_S1P1_PATHWAY
                                                                                                         GOBP_REGULATION_OF_AUTOPHAGOSOME_MATURATION, GOBP_REGULATION_OF_AUTOPHAGOSOME_MATURATION
                                                                                                         HP_RHEUMATOID_ARTHRITIS, HP_RHEUMATOID_ARTHRITIS
                                                                                                         GOBP_POSITIVE_REGULATION_OF_T_CELL_CYTOKINE_PRODUCTION, GOBP_POSITIVE_REGULATION_OF_T_CELL_CYTOKINE_PRODUCTION
                                                                                                         KEGG_GLYCOSAMINOGLYCAN_BIOSYNTHESIS_HEPARAN_SULFATE, KEGG_GLYCOSAMINOGLYCAN_BIOSYNTHESIS_HEPARAN_SULFATE
                                                                                                         GOMF PHOSPHOLIPASE C ACTIVITY, GOMF PHOSPHOLIPASE C ACTIVITY
                                                                                                         GOBP_MODIFICATION_OF_POSTSYNAPTIC_STRUCTURE, GOBP_MODIFICATION_OF_POSTSYNAPTIC_STRUCTURE
                                                                                                         MIR6800_3P, MIR6800_3P
                                                                                                         GOBP PRIMARY MIRNA PROCESSING, GOBP PRIMARY MIRNA PROCESSING
                                                                                                         GOBP_GLUTAMATE_RECEPTOR_SIGNALING_PATHWAY, GOBP_GLUTAMATE_RECEPTOR_SIGNALING_PATHWAY
                                                                                                         DACOSTA_UV_RESPONSE_VIA_ERCC3_XPCS_UP, DACOSTA_UV_RESPONSE_VIA_ERCC3_XPCS_UP
                                                                                                         MAINA_VHL_TARGETS_UP, MAINA_VHL_TARGETS_UP
                                                                                                         GOBP_REGULATION_OF_CALCIUM_ION_DEPENDENT_EXOCYTOSIS, GOBP_REGULATION_OF_CALCIUM_ION_DEPENDENT_EXOCYTOSIS
                                                                                                         GOBP_POSITIVE_REGULATION_OF_CIRCADIAN_SLEEP_WAKE_CYCLE_SLEEP, GOBP_POSITIVE_REGULATION_OF_CIRCADIAN_SLEEP_WAKE_CYCLE_SLEEP
                                                                                                         GOBP_SYNAPTIC_TRANSMISSION_GABAERGIC, GOBP_SYNAPTIC_TRANSMISSION_GABAERGIC
                                                                                                         GOBP AMP METABOLIC PROCESS, GOBP AMP METABOLIC PROCESS
                                                                                                         WEST_ADRENOCORTICAL_CARCINOMA_VS_ADENOMA_DN, WEST_ADRENOCORTICAL_CARCINOMA_VS_ADENOMA_DN
                                                                                                         WP_SLEEP_REGULATION, WP_SLEEP_REGULATION
                                                                                                         GOBP_POSITIVE_REGULATION_OF_AMINE_TRANSPORT, GOBP_POSITIVE_REGULATION_OF_AMINE_TRANSPORT
                                                                                                         REACTOME ERYTHROCYTES TAKE UP OXYGEN AND RELEASE CARBON DIOXIDE, REACTOME ERYTHROCYTES TAKE UP OXYGEN AND RELEASE CARBON DIOX
                                                                                                         GOBP_REGULATION_OF_SYNAPTIC_TRANSMISSION_GABAERGIC, GOBP_REGULATION_OF_SYNAPTIC_TRANSMISSION_GABAERGIC
                                                                                                         MODULE_512, MODULE_512
                                                                                                         REACTOME_EPHA_MEDIATED_GROWTH_CONE_COLLAPSE, REACTOME_EPHA_MEDIATED_GROWTH_CONE_COLLAPSE
                                                                                                         GOBP ONE CARBON COMPOUND TRANSPORT, GOBP ONE CARBON COMPOUND TRANSPORT
                                                                                                         HP REDUCED VITAL CAPACITY, HP REDUCED VITAL CAPACITY
```

HP_PROTEIN_LOSING_ENTEROPATHY, HP_PROTEIN_LOSING_ENTEROPATHY

GOBP_CARBON_DIOXIDE_TRANSPORT, GOBP_CARBON_DIOXIDE_TRANSPORT

GOCC_ER_MEMBRANE_INSERTION_COMPLEX, GOCC_ER_MEMBRANE_INSERTION_COMPLEX

GOBP BLOOD VESSEL ENDOTHELIAL CELL MIGRATION, GOBP BLOOD VESSEL ENDOTHELIAL CELL MIGRATION

GOBP_REGULATION_OF_PEPTIDYL_TYROSINE_AUTOPHOSPHORYLATION, GOBP_REGULATION_OF_PEPTIDYL_TYROSINE_AUTOPHOSPHORYLATION

GOBP POSITIVE REGULATION OF LEUKOCYTE ADHESION TO VASCULAR ENDOTHELIAL CELL, GOBP POSITIVE REGULATION OF LEUKOCYTE ADHESION TO VA

WP_HYPOTHETICAL_CRANIOFACIAL_DEVELOPMENT_PATHWAY, WP_HYPOTHETICAL_CRANIOFACIAL_DEVELOPMENT_PATHWAY

GSE25890 CTRL VS IL33 IL7 TREATED NUOCYTES DN, GSE25890 CTRL VS IL33 IL7 TREATED NUOCYTES DN

GSE2128_C57BL6_VS_NOD_CD4CD8_DP_THYMOCYTE_DN, GSE2128_C57BL6_VS_NOD_CD4CD8_DP_THYMOCYTE_DN

GSE20198_UNTREATED_VS_IL12_TREATED_ACT_CD4_TCELL_UP, GSE20198_UNTREATED_VS_IL12_TREATED_ACT_CD4_TCELL_UP

GSE20198_IL12_IL18_VS_IFNA_TREATED_ACT_CD4_TCELL_DN, GSE20198_IL12_IL18_VS_IFNA_TREATED_ACT_CD4_TCELL_DN

GSE20198_UNTREATED_VS_IFNA_TREATED_ACT_CD4_TCELL_DN, GSE20198_UNTREATED_VS_IFNA_TREATED_ACT_CD4_TCELL_DN