```
GSE25890_CTRL_VS_IL33_IL7_TREATED_NUOCYTES_DN, GSE25890_CTRL_VS_IL33_IL7_TREATED_NUOCYTES_DN
                                                                                                         GSE20198_UNTREATED_VS_IL12_TREATED_ACT_CD4_TCELL_UP, GSE20198_UNTREATED_VS_IL12_TREATED_ACT_CD4_TCELL_UP
                                                                                                         GSE19888_NO_PRETREAT_VS_ADENOSINE_A3R_INHIBITOR_PRETREATED_MAST_CELL_TCELL_MEMBRANES_ACT_UP, GSE19888_NO_PRETREAT_VS_ADENOSINE_A3R_INHIBITOR_PRETREATED_MAST_CELL_TCELL_MEMBRANES_ACT_UP
                                                                                                         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
                                                                                                         GSE4748_CTRL_VS_LPS_STIM_DC_3H_DN, GSE4748_CTRL_VS_LPS_STIM_DC_3H_DN
                                                                                                         GSE18791_UNSTIM_VS_NEWCATSLE_VIRUS_DC_1H_DN, GSE18791_UNSTIM_VS_NEWCATSLE_VIRUS_DC_1H_DN
                                                                                                         GSE17721_LPS_VS_POLYIC_2H_BMDC_UP, GSE17721_LPS_VS_POLYIC_2H_BMDC_UP
                                                                                                         GOBP_ENDOSOME_ORGANIZATION, GOBP_ENDOSOME_ORGANIZATION
                                                                                                        PID_MET_PATHWAY, PID_MET_PATHWAY
                                                                                                        GOBP_REGULATION_OF_REGULATED_SECRETORY_PATHWAY, GOBP_REGULATION_OF_REGULATED_SECRETORY_PATHWAY
                                                                                                        MIR4520_2_3P, MIR4520_2_3P
                                                                                                        MIR150_3P, MIR150_3P
                                                                                                        HP_PRENATAL_MOVEMENT_ABNORMALITY, HP_PRENATAL_MOVEMENT_ABNORMALITY
                                                                                                        HP_SKIN_RASH, HP_SKIN_RASH
                                                                                                        GSE17721_POLYIC_VS_CPG_0.5H_BMDC_UP, GSE17721_POLYIC_VS_CPG_0.5H_BMDC_UP
                                                                                                        MIR4252, MIR4252
                                                                                                        GSE22432_MULTIPOTENT_PROGENITOR_VS_CDC_UP, GSE22432_MULTIPOTENT_PROGENITOR_VS_CDC_UP
                                                                                                        GTATGAT_MIR154_MIR487, GTATGAT_MIR154_MIR487
                                                                                                        GOBP_REGULATION_OF_INTRACELLULAR_STEROID_HORMONE_RECEPTOR_SIGNALING_PATHWAY, GOBP_REGULATION_OF_INTRACELLULAR_STEROID_HORMONE_RECEPTOR_SIGNALING_PATHWAY
                                                                                                        GSE26928_EFF_MEM_VS_CENTR_MEM_CD4_TCELL_DN, GSE26928_EFF_MEM_VS_CENTR_MEM_CD4_TCELL_DN
                                                                                                        MIR6507_3P, MIR6507_3P
                                                                                                        GSE12003_4D_VS_8D_CULTURE_BM_PROGENITOR_DN, GSE12003_4D_VS_8D_CULTURE_BM_PROGENITOR_DN
                                                                                                        KEGG_MTOR_SIGNALING_PATHWAY, KEGG_MTOR_SIGNALING_PATHWAY
                                                                                                        WP_HEAD_AND_NECK_SQUAMOUS_CELL_CARCINOMA, WP_HEAD_AND_NECK_SQUAMOUS_CELL_CARCINOMA
                                                                                                        WP_THYMIC_STROMAL_LYMPHOPOIETIN_TSLP_SIGNALING_PATHWAY, WP_THYMIC_STROMAL_LYMPHOPOIETIN_TSLP_SIGNALING_PATHWAY
                                                                                                        PID_TGFBR_PATHWAY, PID_TGFBR_PATHWAY
                                                                                                        GOBP_DOSAGE_COMPENSATION, GOBP_DOSAGE_COMPENSATION
                                                                                                        GOBP_ENDOTHELIUM_DEVELOPMENT, GOBP_ENDOTHELIUM_DEVELOPMENT
                                                                                                        GOBP_REGULATION_OF_ACTOMYOSIN_STRUCTURE_ORGANIZATION, GOBP_REGULATION_OF_ACTOMYOSIN_STRUCTURE_ORGANIZATION
                                                                                                        BECKER_TAMOXIFEN_RESISTANCE_UP, BECKER_TAMOXIFEN_RESISTANCE_UP
                                                                                                        HP_BULBAR_SIGNS, HP_BULBAR_SIGNS
                                                                                                        MIR4475, MIR4475
                                                                                                        KEGG_TGF_BETA_SIGNALING_PATHWAY, KEGG_TGF_BETA_SIGNALING_PATHWAY
                                                                                                        AMIT_EGF_RESPONSE_60_HELA, AMIT_EGF_RESPONSE_60_HELA
                                                                                                        GOBP_POSITIVE_REGULATION_OF_STRESS_FIBER_ASSEMBLY, GOBP_POSITIVE_REGULATION_OF_STRESS_FIBER_ASSEMBLY
                                                                                                       HP_ARTHROGRYPOSIS_MULTIPLEX_CONGENITA, HP_ARTHROGRYPOSIS_MULTIPLEX_CONGENITA
                                                                                                        PID_ER_NONGENOMIC_PATHWAY, PID_ER_NONGENOMIC_PATHWAY
                                                                                                        GOMF_LIGASE_ACTIVITY_FORMING_CARBON_SULFUR_BONDS, GOMF_LIGASE_ACTIVITY_FORMING_CARBON_SULFUR_BONDS
                                                                                                        GOBP_POSITIVE_REGULATION_OF_ACTIN_FILAMENT_BUNDLE_ASSEMBLY, GOBP_POSITIVE_REGULATION_OF_ACTIN_FILAMENT_BUNDLE_ASSEMBLY
                                                                                                        MIR4761_3P, MIR4761_3P
                                                                                                        YU_BAP1_TARGETS, YU_BAP1_TARGETS
                                                                                                        GOBP_REGULATION_OF_SYNAPTIC_VESICLE_EXOCYTOSIS, GOBP_REGULATION_OF_SYNAPTIC_VESICLE_EXOCYTOSIS
                                                                                                        GOBP B CELL DIFFERENTIATION, GOBP B CELL DIFFERENTIATION
                                                                                                        CAFFAREL_RESPONSE_TO_THC_UP, CAFFAREL_RESPONSE_TO_THC_UP
                                                                                                        GOBP_REGULATION_OF_TISSUE_REMODELING, GOBP_REGULATION_OF_TISSUE_REMODELING
                                                                                                        GOBP_POSITIVE_REGULATION_OF_MITOCHONDRIAL_FISSION, GOBP_POSITIVE_REGULATION_OF_MITOCHONDRIAL_FISSION
                                                                                                        MIR875_5P, MIR875_5P
                                                                                                        PID_RHOA_PATHWAY, PID_RHOA_PATHWAY
                                                                                                        GSE37319_WT_VS_RC3H1_KO_CD44LOW_CD8_TCELL_DN, GSE37319_WT_VS_RC3H1_KO_CD44LOW_CD8_TCELL_DN
                                                                                                         MIR3139, MIR3139
                                                                                                         BURTON_ADIPOGENESIS_1, BURTON_ADIPOGENESIS_1
                                                                                                        GOBP_REGULATION_OF_INTRACELLULAR_ESTROGEN_RECEPTOR_SIGNALING_PATHWAY, GOBP_REGULATION_OF_INTRACELLULAR_ESTROGEN_RECEPTOR_SIGNALING_PATHWAY
                                                                                                         MIR1229_3P, MIR1229_3P
                                                                                                         PID_ECADHERIN_NASCENT_AJ_PATHWAY, PID_ECADHERIN_NASCENT_AJ_PATHWAY
                                                                                                         HP_SCAPULAR_WINGING, HP_SCAPULAR_WINGING
                                                                                                         MIR627 5P, MIR627 5P
                                                                                                         GOBP ENDOTHELIAL CELL DEVELOPMENT, GOBP ENDOTHELIAL CELL DEVELOPMENT
                                                                                                         MIR6832_5P, MIR6832_5P
                                                                                                         GTGTGAG_MIR342, GTGTGAG_MIR342
                                                                                                         HP HAND_MUSCLE_WEAKNESS, HP_HAND_MUSCLE_WEAKNESS
                                                                                                         GLI1_UP.V1_UP, GLI1_UP.V1_UP
                                                                                                         MORF_DCC, MORF_DCC
                                                                                                         GOBP_NEGATIVE_REGULATION_OF_DOUBLE_STRAND_BREAK_REPAIR_VIA_HOMOLOGOUS_RECOMBINATION, GOBP_NEGATIVE_REGULATION_OF_DOUBLE_STRAND_BREAK_REPAIR_VIA_HOMOLOGOUS_RECOMBINATION
                                                                                                         GOBP_NOREPINEPHRINE_TRANSPORT, GOBP_NOREPINEPHRINE_TRANSPORT
                                                                                                         GOBP_REGULATION_OF_ESTABLISHMENT_OR_MAINTENANCE_OF_CELL_POLARITY, GOBP_REGULATION_OF_ESTABLISHMENT_OR_MAINTENANCE_OF_CELL_POLARITY
                                                                                                         GOBP_ESTABLISHMENT_OF_ENDOTHELIAL_BARRIER, GOBP_ESTABLISHMENT_OF_ENDOTHELIAL_BARRIER
                                                                                                         REACTOME_SURFACTANT_METABOLISM, REACTOME_SURFACTANT_METABOLISM
                                                                                                         GOBP_DNA_REPLICATION_CHECKPOINT, GOBP_DNA_REPLICATION_CHECKPOINT
                                                                                                         PID_AMB2_NEUTROPHILS_PATHWAY, PID_AMB2_NEUTROPHILS_PATHWAY
                                                                                                         HP_BREECH_PRESENTATION, HP_BREECH_PRESENTATION
                                                                                                         GOBP_NOREPINEPHRINE_SECRETION, GOBP_NOREPINEPHRINE_SECRETION
                                                                                                         YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_5, YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_5
                                                                                                         REACTOME_RHO_GTPASES_ACTIVATE_ROCKS, REACTOME_RHO_GTPASES_ACTIVATE_ROCKS
                                                                                                         GOBP_CELLULAR_RESPONSE_TO_OSMOTIC_STRESS, GOBP_CELLULAR_RESPONSE_TO_OSMOTIC_STRESS
                                                                                                         FULLER_PBMC_F_TULARENSIS_VACCINE_LVS_AGE_22_54YO_336HR_DN, FULLER_PBMC_F_TULARENSIS_VACCINE_LVS_AGE_22_54YO_336HR_DN
                                                                                                         GOBP_CD4_POSITIVE_OR_CD8_POSITIVE_ALPHA_BETA_T_CELL_LINEAGE_COMMITMENT, GOBP_CD4_POSITIVE_OR_CD8_POSITIVE_ALPHA_BETA_T_CELL_LINEAGE_COMMITMENT
                                                                                                         GOBP_MUSCLE_CELL_DEVELOPMENT, GOBP_MUSCLE_CELL_DEVELOPMENT
                                                                                                         REACTOME_INTEGRIN_SIGNALING, REACTOME_INTEGRIN_SIGNALING
                                                                                                         GOBP_RESPONSE_TO_EPIDERMAL_GROWTH_FACTOR, GOBP_RESPONSE_TO_EPIDERMAL_GROWTH_FACTOR
                                                                                                         GOCC_SYNAPTIC_VESICLE_MEMBRANE, GOCC_SYNAPTIC_VESICLE_MEMBRANE
                                                                                                         GOBP_VIRAL_BUDDING_VIA_HOST_ESCRT_COMPLEX, GOBP_VIRAL_BUDDING_VIA_HOST_ESCRT_COMPLEX
                                                                                                         LE_NEURONAL_DIFFERENTIATION_UP, LE_NEURONAL_DIFFERENTIATION_UP
                                                                                                         MIR6784_3P, MIR6784_3P
                                                                                                         REACTOME SEMA4D IN SEMAPHORIN SIGNALING, REACTOME SEMA4D IN SEMAPHORIN SIGNALING
                                                                                                         MARTIN_VIRAL_GPCR_SIGNALING_UP, MARTIN_VIRAL_GPCR_SIGNALING_UP
                                                                                                         GSE45365_HEALTHY_VS_MCMV_INFECTION_CD8_TCELL_IFNAR_KO_DN, GSE45365_HEALTHY_VS_MCMV_INFECTION_CD8_TCELL_IFNAR_KO_DN
                                                                                                         GOBP REGULATION OF PROTEIN LOCALIZATION TO ENDOSOME, GOBP REGULATION OF PROTEIN LOCALIZATION TO ENDOSOME
                                                                                                         PID_SHP2_PATHWAY, PID_SHP2_PATHWAY
                                                                                                         PID_ECADHERIN_STABILIZATION_PATHWAY, PID_ECADHERIN_STABILIZATION_PATHWAY
                                                                                                        HP_APHTHOUS_ULCER, HP_APHTHOUS_ULCER
                                                                                                         HP_NECK_MUSCLE_WEAKNESS, HP_NECK_MUSCLE_WEAKNESS
                                                                                                         MIR4711 3P, MIR4711 3P
                                                                                                         GOMF_TRANSLATION_REPRESSOR_ACTIVITY, GOMF_TRANSLATION_REPRESSOR_ACTIVITY
                                                                                                         GSE2770_UNTREATED_VS_TGFB_AND_IL4_TREATED_ACT_CD4_TCELL_48H_UP, GSE2770_UNTREATED_VS_TGFB_AND_IL4_TREATED_ACT_CD4_TCELL_48H_UP
                                                                                                         HP_NEUROMUSCULAR_DYSPHAGIA, HP_NEUROMUSCULAR_DYSPHAGIA
                                                                                                         GOBP_NEGATIVE_REGULATION_OF_VASCULAR_PERMEABILITY, GOBP_NEGATIVE_REGULATION_OF_VASCULAR_PERMEABILITY
                                                                                                         GOBP_REGULATION_OF_VASCULAR_PERMEABILITY, GOBP_REGULATION_OF_VASCULAR_PERMEABILITY
                                                                                                         REACTOME_CD28_DEPENDENT_PI3K_AKT_SIGNALING, REACTOME_CD28_DEPENDENT_PI3K_AKT_SIGNALING
                                                                                                        GOBP_ESTABLISHMENT_OR_MAINTENANCE_OF_MONOPOLAR_CELL_POLARITY, GOBP_ESTABLISHMENT_OR_MAINTENANCE_OF_MONOPOLAR_CELL_POLARITY
                                                                                                        GOBP_REGULATION_OF_NEURON_DIFFERENTIATION, GOBP_REGULATION_OF_NEURON_DIFFERENTIATION
                                                                                                        GOBP_POSITIVE_REGULATION_OF_PROTEIN_TARGETING_TO_MEMBRANE, GOBP_POSITIVE_REGULATION_OF_PROTEIN_TARGETING_TO_MEMBRANE
                                                                                                        HP_TYPE_1_MUSCLE_FIBER_PREDOMINANCE, HP_TYPE_1_MUSCLE_FIBER_PREDOMINANCE
                                                                                                         MIR6862_3P, MIR6862_3P
                                                                                                         MIR6800_3P, MIR6800_3P
                                                                                                         MODULE 201, MODULE 201
                                                                                                        GOBP_MAINTENANCE_OF_BLOOD_BRAIN_BARRIER, GOBP_MAINTENANCE_OF_BLOOD_BRAIN_BARRIER
                                                                                                        HP_PROMINENT_SUPRAORBITAL_RIDGES, HP_PROMINENT_SUPRAORBITAL_RIDGES
                                                                                                        GOBP_POSITIVE_REGULATION_OF_NEUROTRANSMITTER_SECRETION, GOBP_POSITIVE_REGULATION_OF_NEUROTRANSMITTER_SECRETION
                                                                                                        GOBP_PRIMARY_MIRNA_PROCESSING, GOBP_PRIMARY_MIRNA_PROCESSING
                                                                                                        YIH_RESPONSE_TO_ARSENITE_C2, YIH_RESPONSE_TO_ARSENITE_C2
                                                                                                        WP_GALANIN_RECEPTOR_PATHWAY, WP_GALANIN_RECEPTOR_PATHWAY
                                                                                                        GOBP_POSITIVE_REGULATION_OF_ENDOTHELIAL_CELL_PROLIFERATION, GOBP_POSITIVE_REGULATION_OF_ENDOTHELIAL_CELL_PROLIFERATION
                                                                                                        MIR191_5P, MIR191_5P
                                                                                                        MCMURRAY_TP53_HRAS_COOPERATION_RESPONSE_DN, MCMURRAY_TP53_HRAS_COOPERATION_RESPONSE_DN
                                                                                                         GOMF_ADENYL_NUCLEOTIDE_EXCHANGE_FACTOR_ACTIVITY, GOMF_ADENYL_NUCLEOTIDE_EXCHANGE_FACTOR_ACTIVITY
                                                                                                        GOBP_T_CELL_LINEAGE_COMMITMENT, GOBP_T_CELL_LINEAGE_COMMITMENT
                                                                                                        GOBP_MONOCYTE_DIFFERENTIATION, GOBP_MONOCYTE_DIFFERENTIATION
                                                                                                        GOMF_PHOSPHOLIPASE_C_ACTIVITY, GOMF_PHOSPHOLIPASE_C_ACTIVITY
                                                                                                        WP_HOSTPATHOGEN_INTERACTION_OF_HUMAN_CORONA_VIRUSES_AUTOPHAGY, WP_HOSTPATHOGEN_INTERACTION_OF_HUMAN_CORONA_VIRUSES_AUTOPHAGY
                                                                                                        GOBP_REGULATION_OF_RECEPTOR_BINDING, GOBP_REGULATION_OF_RECEPTOR_BINDING
                                                                                                        REACTOME_SEMA4D_INDUCED_CELL_MIGRATION_AND_GROWTH_CONE_COLLAPSE, REACTOME_SEMA4D_INDUCED_CELL_MIGRATION_AND_GROWTH_CONE_COLLAPSE
                                                                                                        LI_CYTIDINE_ANALOG_PATHWAY, LI_CYTIDINE_ANALOG_PATHWAY
                                                                                                        GOBP_NEGATIVE_REGULATION_OF_CELL_CELL_ADHESION_MEDIATED_BY_CADHERIN, GOBP_NEGATIVE_REGULATION_OF_CELL_CELL_ADHESION_MEDIATED_BY_CADHERIN
                                                                                                        GOBP_ORGANIC_CATION_TRANSPORT, GOBP_ORGANIC_CATION_TRANSPORT
                                                                                                        GOBP_BLOOD_VESSEL_ENDOTHELIAL_CELL_MIGRATION, GOBP_BLOOD_VESSEL_ENDOTHELIAL_CELL_MIGRATION
                                                                                                        HP_FATIGABLE_WEAKNESS_OF_SKELETAL_MUSCLES, HP_FATIGABLE_WEAKNESS_OF_SKELETAL_MUSCLES
                                                                                                       HP_JUVENILE_RHEUMATOID_ARTHRITIS, HP_JUVENILE_RHEUMATOID_ARTHRITIS
                                                                                                        ZHU_SKIL_TARGETS_UP, ZHU_SKIL_TARGETS_UP
                                                                                                        GOMF_ALPHA_ACTININ_BINDING, GOMF_ALPHA_ACTININ_BINDING
                                                                                                        HP_REDUCED_VITAL_CAPACITY, HP_REDUCED_VITAL_CAPACITY
                                                                                                         MIR550A 3P, MIR550A 3P
                                                                                                         HOFFMAN_CLOCK_TARGETS_DN, HOFFMAN_CLOCK_TARGETS_DN
                                                                                                         GOBP_PEROXISOME_FISSION, GOBP_PEROXISOME_FISSION
                                                                                                         GOBP_POSITIVE_REGULATION_OF_BEHAVIOR, GOBP_POSITIVE_REGULATION_OF_BEHAVIOR
                                                                                                         GOBP_POSITIVE_REGULATION_OF_TISSUE_REMODELING, GOBP_POSITIVE_REGULATION_OF_TISSUE_REMODELING
                                                                                                         GOBP_VASODILATION, GOBP_VASODILATION
                                                                                                         GOBP_RESPONSE_TO_OXYGEN_GLUCOSE_DEPRIVATION, GOBP_RESPONSE_TO_OXYGEN_GLUCOSE_DEPRIVATION
                                                                                                        WEST_ADRENOCORTICAL_CARCINOMA_VS_ADENOMA_DN, WEST_ADRENOCORTICAL_CARCINOMA_VS_ADENOMA_DN
                                                                                                         GOBP_REGULATION_OF_LEUKOCYTE_DEGRANULATION, GOBP_REGULATION_OF_LEUKOCYTE_DEGRANULATION
                                                                                                         MYOGNF1_01, MYOGNF1_01
                                                                                                         GOBP_CELLULAR_RESPONSE_TO_TESTOSTERONE_STIMULUS, GOBP_CELLULAR_RESPONSE_TO_TESTOSTERONE_STIMULUS
                                                                                                         GOBP_T_HELPER_CELL_LINEAGE_COMMITMENT, GOBP_T_HELPER_CELL_LINEAGE_COMMITMENT
                                                                                                         WALLACE_PROSTATE_CANCER_DN, WALLACE_PROSTATE_CANCER_DN
                                                                                                         GOBP_NEGATIVE_REGULATION_OF_BICELLULAR_TIGHT_JUNCTION_ASSEMBLY, GOBP_NEGATIVE_REGULATION_OF_BICELLULAR_TIGHT_JUNCTION_ASSEMBLY
                                                                                                        GOBP_NEUROMUSCULAR_PROCESS, GOBP_NEUROMUSCULAR_PROCESS
                                                                                                       ✓ GOBP_BRANCHING_INVOLVED_IN_BLOOD_VESSEL_MORPHOGENESIS, GOBP_BRANCHING_INVOLVED_IN_BLOOD_VESSEL_MORPHOGENESIS
L_MEMBRANES_ACT_MAST_CELL_UP, GSE19888_CTRL_VS_T_CELL_MEMBRANES_ACT_MAST_CELL_UP
                                                                                                        GOBP_MODIFICATION_OF_SYNAPTIC_STRUCTURE, GOBP_MODIFICATION_OF_SYNAPTIC_STRUCTURE
                                                                                                         HP_RHEUMATOID_ARTHRITIS, HP_RHEUMATOID_ARTHRITIS
                                                                                                         GOBP_REGULATION_OF_CALCIUM_ION_DEPENDENT_EXOCYTOSIS, GOBP_REGULATION_OF_CALCIUM_ION_DEPENDENT_EXOCYTOSIS
                                                                                                        `WP_AIRWAY_SMOOTH_MUSCLE_CELL_CONTRACTION, WP_AIRWAY_SMOOTH_MUSCLE_CELL_CONTRACTION
                                                                                                         GOBP_PRIMITIVE_HEMOPOIESIS, GOBP_PRIMITIVE_HEMOPOIESIS
                                                                                                         MIR4259, MIR4259
                                                                                                         GOBP_ESTABLISHMENT_OF_EPITHELIAL_CELL_APICAL_BASAL_POLARITY, GOBP_ESTABLISHMENT_OF_EPITHELIAL_CELL_APICAL_BASAL_POLARITY
                                                                                                         GOBP PEPTIDYL TYROSINE AUTOPHOSPHORYLATION, GOBP PEPTIDYL TYROSINE AUTOPHOSPHORYLATION
                                                                                                         MURAKAMI_UV_RESPONSE_1HR_DN, MURAKAMI_UV_RESPONSE_1HR_DN
                                                                                                         GUTIERREZ_WALDENSTROEMS_MACROGLOBULINEMIA_1_DN, GUTIERREZ_WALDENSTROEMS_MACROGLOBULINEMIA_1_DN
                                                                                                         GOBP_CELLULAR_RESPONSE_TO_NICOTINE, GOBP_CELLULAR_RESPONSE_TO_NICOTINE
                                                                                                         REACTOME_RHO_GTPASES_ACTIVATE_RHOTEKIN_AND_RHOPHILINS, REACTOME_RHO_GTPASES_ACTIVATE_RHOTEKIN_AND_RHOPHILINS
                                                                                                         GOBP_DIPEPTIDE_TRANSMEMBRANE_TRANSPORT, GOBP_DIPEPTIDE_TRANSMEMBRANE_TRANSPORT
                                                                                                         MODULE_512, MODULE_512
                                                                                                         MIR196B_3P, MIR196B_3P
                                                                                                         MODULE_387, MODULE_387
                                                                                                         ZNF354A_TARGET_GENES, ZNF354A_TARGET_GENES
                                                                                                         HP_FETAL_AKINESIA_SEQUENCE, HP_FETAL_AKINESIA_SEQUENCE
                                                                                                         GOBP POSITIVE REGULATION OF REGULATED SECRETORY PATHWAY, GOBP POSITIVE REGULATION OF REGULATED SECRETORY PATHWAY
                                                                                                         GOBP_RESPONSE_TO_IRON_ION, GOBP_RESPONSE_TO_IRON_ION
                                                                                                        GOBP_REGULATION_OF_CYTOPLASMIC_TRANSLATION, GOBP_REGULATION_OF_CYTOPLASMIC_TRANSLATION
                                                                                                         MODULE 293, MODULE 293
                                                                                                         GOBP_POSITIVE_REGULATION_OF_PROTEIN_KINASE_C_SIGNALING, GOBP_POSITIVE_REGULATION_OF_PROTEIN_KINASE_C_SIGNALING
                                                                                                        GOBP_RESPONSE_TO_ISOQUINOLINE_ALKALOID, GOBP_RESPONSE_TO_ISOQUINOLINE_ALKALOID
                                                                                                         REACTOME_NGF_INDEPENDANT_TRKA_ACTIVATION, REACTOME_NGF_INDEPENDANT_TRKA_ACTIVATION
                                                                                                        HP ABNORMAL CIRCULATING SERINE CONCENTRATION, HP ABNORMAL CIRCULATING SERINE CONCENTRATION
                                                                                                        GOBP_POSITIVE_REGULATION_OF_SYNAPTIC_VESICLE_RECYCLING, GOBP_POSITIVE_REGULATION_OF_SYNAPTIC_VESICLE_RECYCLING
                                                                                                        GOBP_VENOUS_BLOOD_VESSEL_MORPHOGENESIS, GOBP_VENOUS_BLOOD_VESSEL_MORPHOGENESIS
                                                                                                        HP FATIGUABLE WEAKNESS OF PROXIMAL LIMB MUSCLES, HP FATIGUABLE WEAKNESS OF PROXIMAL LIMB MUSCLES
                                                                                                         BIOCARTA_IL10_PATHWAY, BIOCARTA_IL10_PATHWAY
                                                                                                        HP_ECTOPIA_PUPILLAE, HP_ECTOPIA_PUPILLAE
                                                                                                         GOBP_XENOPHAGY, GOBP_XENOPHAGY
                                                                                                         REACTOME_EPHA_MEDIATED_GROWTH_CONE_COLLAPSE, REACTOME_EPHA_MEDIATED_GROWTH_CONE_COLLAPSE
                                                                                                         GOBP_REGULATION_OF_ENDOTHELIAL_CELL_DEVELOPMENT, GOBP_REGULATION_OF_ENDOTHELIAL_CELL_DEVELOPMENT
                                                                                                        GOBP_NEGATIVE_REGULATION_OF_CALCINEURIN_MEDIATED_SIGNALING, GOBP_NEGATIVE_REGULATION_OF_CALCINEURIN_MEDIATED_SIGNALING
                                                                                                        GOBP_ASTROCYTE_DEVELOPMENT, GOBP_ASTROCYTE_DEVELOPMENT
                                                                                                         RICHERT_PBMC_HIV_LIPO_5_AGE_37_48YO_STIMULATED_VS_UNSTIMULATED_14W_SIGNIFICANT_VARIATION_UP, RICHERT_PBMC_HIV_LIPO_5_AGE_37_48YO_STIMULATED_VS_UNSTIMULATED_14W_SIGNIFICANT_VARIATION_UP
                                                                                                        GOBP_REGULATION_OF_SYNAPTIC_TRANSMISSION_CHOLINERGIC, GOBP_REGULATION_OF_SYNAPTIC_TRANSMISSION_CHOLINERGIC
                                                                                                         GOBP_GRANZYME_MEDIATED_PROGRAMMED_CELL_DEATH_SIGNALING_PATHWAY, GOBP_GRANZYME_MEDIATED_PROGRAMMED_CELL_DEATH_SIGNALING_PATHWAY
                                                                                                         REACTOME_ACTIVATION_OF_TRKA_RECEPTORS, REACTOME_ACTIVATION_OF_TRKA_RECEPTORS
                                                                                                        GOBP_C_TERMINAL_PROTEIN_LIPIDATION, GOBP_C_TERMINAL_PROTEIN_LIPIDATION
                                                                                                         GOBP_POSITIVE_REGULATION_OF_CIRCADIAN_SLEEP_WAKE_CYCLE_SLEEP, GOBP_POSITIVE_REGULATION_OF_CIRCADIAN_SLEEP_WAKE_CYCLE_SLEEP
                                                                                                         GOBP_POSITIVE_REGULATION_OF_SYNAPTIC_VESICLE_ENDOCYTOSIS, GOBP_POSITIVE_REGULATION_OF_SYNAPTIC_VESICLE_ENDOCYTOSIS
                                                                                                         HP_REDUCED_SYSTOLIC_FUNCTION, HP_REDUCED_SYSTOLIC_FUNCTION
                                                                                                         MIR8053, MIR8053
                                                                                                         GOBP REGULATION OF SYNAPTIC TRANSMISSION GABAERGIC, GOBP REGULATION OF SYNAPTIC TRANSMISSION GABAERGIC
                                                                                                        GOBP_REGULATION_OF_LONG_TERM_SYNAPTIC_POTENTIATION, GOBP_REGULATION_OF_LONG_TERM_SYNAPTIC_POTENTIATION
                                                                                                        HP ASTERIXIS, HP ASTERIXIS
                                                                                                         GOMF_G_PROTEIN_COUPLED_ADENOSINE_RECEPTOR_ACTIVITY, GOMF_G_PROTEIN_COUPLED_ADENOSINE_RECEPTOR_ACTIVITY
                                                                                                         LAU_APOPTOSIS_CDKN2A_DN, LAU_APOPTOSIS_CDKN2A_DN
                                                                                                        HP_FOCAL_CORTICAL_DYSPLASIA_TYPE_II, HP_FOCAL_CORTICAL_DYSPLASIA_TYPE_II
                                                                                                         GOCC_ER_MEMBRANE_INSERTION_COMPLEX, GOCC_ER_MEMBRANE_INSERTION_COMPLEX
                                                                                                         WP HYPOTHETICAL CRANIOFACIAL DEVELOPMENT PATHWAY, WP HYPOTHETICAL CRANIOFACIAL DEVELOPMENT PATHWAY
                                                                                                         WP_SLEEP_REGULATION, WP_SLEEP_REGULATION
                                                                                                         YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_3, YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_3
                                                                                                         GOBP_REGULATION_OF_GLIAL_CELL_PROLIFERATION, GOBP_REGULATION_OF_GLIAL_CELL_PROLIFERATION
                                                                                                         GOBP POSITIVE REGULATION_OF_BLOOD_VESSEL_ENDOTHELIAL_CELL_MIGRATION, GOBP_POSITIVE_REGULATION_OF_BLOOD_VESSEL_ENDOTHELIAL_CELL_MIGRATION
                                                                                                         HARALAMBIEVA\_PBMC\_M\_M\_R\_II\_AGE\_11\_22YO\_VACCINATED\_VS\_UNVACCINATED\_HIGH\_ANTIBODY\_RESPONDERS\_TO\_TREATMENT\_7YR\_DN, HARALAMBIEVA\_PBMC\_M\_M\_R\_II\_AGE\_11\_22YO\_VACCINATED\_VS\_UNVACCINATED\_HIGH\_ANTIBODY\_RESPONDERS\_TO\_TREATMENT\_7YR\_DN
                                                                                                         WP_MICRORNA_FOR_TARGETING_CANCER_GROWTH_AND_VASCULARIZATION_IN_GLIOBLASTOMA, WP_MICRORNA_FOR_TARGETING_CANCER_GROWTH_AND_VASCULARIZATION_IN_GLIOBLASTOMA
                                                                                                         HP_NEMALINE_BODIES, HP_NEMALINE_BODIES
                                                                                                         DIERICK_SEROTONIN_FUNCTION_GENES, DIERICK_SEROTONIN_FUNCTION_GENES
                                                                                                         MIR451A, MIR451A
                                                                                                         GOBP_POSITIVE_REGULATION_OF_LONG_TERM_SYNAPTIC_POTENTIATION, GOBP_POSITIVE_REGULATION_OF_LONG_TERM_SYNAPTIC_POTENTIATION
                                                                                                         GOCC_NEURON_PROJECTION_MEMBRANE, GOCC_NEURON_PROJECTION_MEMBRANE
                                                                                                         GOMF_G_PROTEIN_COUPLED_GLUTAMATE_RECEPTOR_BINDING, GOMF_G_PROTEIN_COUPLED_GLUTAMATE_RECEPTOR_BINDING
                                                                                                         chr2q23, chr2q23
                                                                                                         REACTOME_G_PROTEIN_BETA_GAMMA_SIGNALLING, REACTOME_G_PROTEIN_BETA_GAMMA_SIGNALLING
                                                                                                         WP_DIFFERENTIATION_PATHWAY, WP_DIFFERENTIATION_PATHWAY
                                                                                                         HP_HASHIMOTO_THYROIDITIS, HP_HASHIMOTO_THYROIDITIS
                                                                                                         GOBP_REGULATION_OF_CGMP_MEDIATED_SIGNALING, GOBP_REGULATION_OF_CGMP_MEDIATED_SIGNALING
                                                                                                         GOBP_REGULATION_OF_BLOOD_VESSEL_REMODELING, GOBP_REGULATION_OF_BLOOD_VESSEL_REMODELING
                                                                                                         GOBP_POSITIVE_REGULATION_OF_GLIAL_CELL_PROLIFERATION, GOBP_POSITIVE_REGULATION_OF_GLIAL_CELL_PROLIFERATION
                                                                                                         GOMF_DEATH_RECEPTOR_BINDING, GOMF_DEATH_RECEPTOR_BINDING
                                                                                                         GOBP_ANTIGEN_PROCESSING_AND_PRESENTATION_VIA_MHC_CLASS_IB, GOBP_ANTIGEN_PROCESSING_AND_PRESENTATION_VIA_MHC_CLASS_IB
                                                                                                         TSUTSUMI_FBXW8_TARGETS, TSUTSUMI_FBXW8_TARGETS
                                                                                                         GOBP_NEGATIVE_REGULATION_OF_CALCIUM_ION_DEPENDENT_EXOCYTOSIS, GOBP_NEGATIVE_REGULATION_OF_CALCIUM_ION_DEPENDENT_EXOCYTOSIS
                                                                                                         HP_CHRONIC_AXONAL_NEUROPATHY, HP_CHRONIC_AXONAL_NEUROPATHY
                                                                                                         RBMX_TARGET_GENES, RBMX_TARGET_GENES
                                                                                                        GOBP_ANTIGEN_PROCESSING_AND_PRESENTATION_OF_PEPTIDE_ANTIGEN_VIA_MHC_CLASS_IB, GOBP_ANTIGEN_PROCESSING_AND_PRESENTATION_OF_PEPTIDE_ANTIGEN_VIA_MHC_CLASS_IB
                                                                                                        GOBP_REGULATION_OF_INORGANIC_ANION_TRANSMEMBRANE_TRANSPORT, GOBP_REGULATION_OF_INORGANIC_ANION_TRANSMEMBRANE_TRANSPORT
                                                                                                         GOBP_POSITIVE_REGULATION_OF_SYNAPTIC_VESICLE_EXOCYTOSIS, GOBP_POSITIVE_REGULATION_OF_SYNAPTIC_VESICLE_EXOCYTOSIS
                                                                                                         GOBP_INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_IN_RESPONSE_TO_OSMOTIC_STRESS, GOBP_INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_IN_RESPONSE_TO_OSMOTIC_STRESS
                                                                                                        GOMF_RNA_POLYMERASE_III_TRANSCRIPTION_REGULATORY_REGION_SEQUENCE_SPECIFIC_DNA_BINDING, GOMF_RNA_POLYMERASE_III_TRANSCRIPTION_REGULATORY_REGION_SEQUENCE_SPECIFIC_DNA_BINDING
                                                                                                        GOBP_FOREBRAIN_GENERATION_OF_NEURONS, GOBP_FOREBRAIN_GENERATION_OF_NEURONS
                                                                                                         REACTOME_G_BETA_GAMMA_SIGNALLING_THROUGH_PI3KGAMMA, REACTOME_G_BETA_GAMMA_SIGNALLING_THROUGH_PI3KGAMMA
                                                                                                         RYTAAWNNNTGAY_UNKNOWN, RYTAAWNNNTGAY_UNKNOWN
                                                                                                         GOBP_NEGATIVE_REGULATION_OF_NEUROTRANSMITTER_SECRETION, GOBP_NEGATIVE_REGULATION_OF_NEUROTRANSMITTER_SECRETION
                                                                                                         BIOCARTA_STEM_PATHWAY, BIOCARTA_STEM_PATHWAY
                                                                                                         chr12q23, chr12q23
                                                                                                         GOMF_TYPE_5_METABOTROPIC_GLUTAMATE_RECEPTOR_BINDING, GOMF_TYPE_5_METABOTROPIC_GLUTAMATE_RECEPTOR_BINDING
                                                                                                        HP_SEVERE_B_LYMPHOCYTOPENIA, HP_SEVERE_B_LYMPHOCYTOPENIA
                                                                                                        GOBP_IODIDE_TRANSPORT, GOBP_IODIDE_TRANSPORT
                                                                                                         GOCC_CYTOLYTIC_GRANULE, GOCC_CYTOLYTIC_GRANULE
                                                                                                         HP_DISTAL_RENAL_TUBULAR_ACIDOSIS, HP_DISTAL_RENAL_TUBULAR_ACIDOSIS
                                                                                                        GOBP_DELAMINATION, GOBP_DELAMINATION
                                                                                                        GOBP_REGULATION_OF_INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_IN_RESPONSE_TO_OSMOTIC_STRESS, GOBP_REGULATION_OF_INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_IN_RESPONSE_TO_OSMOTIC_STRESS
                                                                                                        GOBP_REGULATION_OF_ADHERENS_JUNCTION_ORGANIZATION, GOBP_REGULATION_OF_ADHERENS_JUNCTION_ORGANIZATION
                                                                                                        GOBP_REGULATION_OF_FOREBRAIN_NEURON_DIFFERENTIATION, GOBP_REGULATION_OF_FOREBRAIN_NEURON_DIFFERENTIATION
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GOBP_PENETRATION_OF_ZONA_PELLUCIDA, GOBP_PENETRATION_OF_ZONA_PELLUCIDA GOBP_NEGATIVE_REGULATION_OF_NEUROTRANSMITTER_TRANSPORT, GOBP_NEGATIVE_REGULATION_OF_NEUROTRANSMITTER_TRANSPORT GOBP_NEGATIVE_REGULATION_OF_BLOOD_VESSEL_ENDOTHELIAL_CELL_MIGRATION, GOBP_NEGATIVE_REGULATION_OF_BLOOD_VESSEL_ENDOTHELIAL_CELL_MIGRATION GOBP_VASCULAR_ASSOCIATED_SMOOTH_MUSCLE_CELL_DEVELOPMENT, GOBP_VASCULAR_ASSOCIATED_SMOOTH_MUSCLE_CELL_DEVELOPMENT HP_PERIODIC_HYPOKALEMIC_PARESIS, HP_PERIODIC_HYPOKALEMIC_PARESIS WP_COVID19_ADVERSE_OUTCOME_PATHWAY, WP_COVID19_ADVERSE_OUTCOME_PATHWAY WEINBERGER_BLOOD_TWINRIX_AGE_20_40_AND_60_84YO_CORRELATED_WITH_HIGH_ANTI_HBS_CONC_AT_WEEK_4_POST_BOOSTER_VACC_1DY_POSITIVE, WEINBERGER_BLOOD_TWINRIX_AGE_20_40_AND_60_84YO_CORRELATED_WITH_HIGH_ANTI_HBS_CONC_AT_WEEK_4_POST_BOOST_B GOBP_PROTEIN_UFMYLATION, GOBP_PROTEIN_UFMYLATION GOBP_POSITIVE_REGULATION_OF_LONG_TERM_SYNAPTIC_DEPRESSION, GOBP_POSITIVE_REGULATION_OF_LONG_TERM_SYNAPTIC_DEPRESSION GOBP_REGULATION_OF_ENDOTHELIAL_CELL_DIFFERENTIATION, GOBP_REGULATION_OF_ENDOTHELIAL_CELL_DIFFERENTIATION GOBP_POSITIVE_REGULATION_OF_LEUKOCYTE_ADHESION_TO_VASCULAR_ENDOTHELIAL_CELL, GOBP_POSITIVE_REGULATION_OF_LEUKOCYTE_ADHESION_TO_VASCULAR_ENDOTHELIAL_CELL chr3p24, chr3p24 GOBP_REGULATION_OF_LEUKOCYTE_ADHESION_TO_VASCULAR_ENDOTHELIAL_CELL, GOBP_REGULATION_OF_LEUKOCYTE_ADHESION_TO_VASCULAR_ENDOTHELIAL_CELL GOBP_RADIAL_GLIAL_CELL_DIFFERENTIATION, GOBP_RADIAL_GLIAL_CELL_DIFFERENTIATION GOBP_FIBROBLAST_GROWTH_FACTOR_PRODUCTION, GOBP_FIBROBLAST_GROWTH_FACTOR_PRODUCTION HP_DIABETIC_KETOACIDOSIS, HP_DIABETIC_KETOACIDOSIS GOBP_GLUTAMATE_SECRETION, GOBP_GLUTAMATE_SECRETION GOBP_REGULATION_OF_BLOOD_BRAIN_BARRIER_PERMEABILITY, GOBP_REGULATION_OF_BLOOD_BRAIN_BARRIER_PERMEABILITY HP_ELEVATED_GAMMA_GLUTAMYLTRANSFERASE_LEVEL, HP_ELEVATED_GAMMA_GLUTAMYLTRANSFERASE_LEVEL GOBP_RESPONSE_TO_GONADOTROPIN_RELEASING_HORMONE, GOBP_RESPONSE_TO_GONADOTROPIN_RELEASING_HORMONE GOCC_ALVEOLAR_LAMELLAR_BODY, GOCC_ALVEOLAR_LAMELLAR_BODY GOBP_POSITIVE_REGULATION_OF_CGMP_MEDIATED_SIGNALING, GOBP_POSITIVE_REGULATION_OF_CGMP_MEDIATED_SIGNALING GOBP_INTERLEUKIN_21_PRODUCTION, GOBP_INTERLEUKIN_21_PRODUCTION GOBP_SLEEP, GOBP_SLEEP GOBP_SYNAPTIC_TRANSMISSION_GABAERGIC, GOBP_SYNAPTIC_TRANSMISSION_GABAERGIC GOBP_POSITIVE_REGULATION_OF_SPROUTING_ANGIOGENESIS, GOBP_POSITIVE_REGULATION_OF_SPROUTING_ANGIOGENESIS chr13q13, chr13q13 HP_RIEGER_ANOMALY, HP_RIEGER_ANOMALY GOBP_REGULATION_OF_PEPTIDYL_TYROSINE_AUTOPHOSPHORYLATION, GOBP_REGULATION_OF_PEPTIDYL_TYROSINE_AUTOPHOSPHORYLATION MIR6741_3P, MIR6741_3P GOBP_CARBON_DIOXIDE_TRANSPORT, GOBP_CARBON_DIOXIDE_TRANSPORT GOBP_PROTEIN_POLYUFMYLATION, GOBP_PROTEIN_POLYUFMYLATION GOBP_REGULATION_OF_LONG_TERM_SYNAPTIC_DEPRESSION, GOBP_REGULATION_OF_LONG_TERM_SYNAPTIC_DEPRESSION GOBP_EATING_BEHAVIOR, GOBP_EATING_BEHAVIOR GOBP_NEGATIVE_REGULATION_OF_SYNAPTIC_TRANSMISSION, GOBP_NEGATIVE_REGULATION_OF_SYNAPTIC_TRANSMISSION GOBP_NEGATIVE_REGULATION_OF_COLLAGEN_METABOLIC_PROCESS, GOBP_NEGATIVE_REGULATION_OF_COLLAGEN_METABOLIC_PROCESS WP_SOMATROPH_AXIS_GH_AND_ITS_RELATIONSHIP_TO_DIETARY_RESTRICTION_AND_AGING, WP_SOMATROPH_AXIS_GH_AND_ITS_RELATIONSHIP_TO_DIETARY_RESTRICTION_AND_AGING GOBP_FOREBRAIN_RADIAL_GLIAL_CELL_DIFFERENTIATION, GOBP_FOREBRAIN_RADIAL_GLIAL_CELL_DIFFERENTIATION GOBP_POSITIVE_REGULATION_OF_BLOOD_VESSEL_REMODELING, GOBP_POSITIVE_REGULATION_OF_BLOOD_VESSEL_REMODELING GOMF_ALPHA_N_ACETYLNEURAMINATE_ALPHA_2_8_SIALYLTRANSFERASE_ACTIVITY, GOMF_ALPHA_N_ACETYLNEURAMINATE_ALPHA_2_8_SIALYLTRANSFERASE_ACTIVITY GOBP_CARDIAC_MYOFIBRIL_ASSEMBLY, GOBP_CARDIAC_MYOFIBRIL_ASSEMBLY BIOCARTA_ERYTH_PATHWAY, BIOCARTA_ERYTH_PATHWAY GOBP_ASTROCYTE_ACTIVATION, GOBP_ASTROCYTE_ACTIVATION GOBP_REGULATION_OF_ASTROCYTE_ACTIVATION, GOBP_REGULATION_OF_ASTROCYTE_ACTIVATION GOCC_LAMELLAR_BODY, GOCC_LAMELLAR_BODY GOBP_CARDIAC_VASCULAR_SMOOTH_MUSCLE_CELL_DIFFERENTIATION, GOBP_CARDIAC_VASCULAR_SMOOTH_MUSCLE_CELL_DIFFERENTIATION GOBP_POSITIVE_REGULATION_OF_CALCIUM_ION_DEPENDENT_EXOCYTOSIS, GOBP_POSITIVE_REGULATION_OF_CALCIUM_ION_DEPENDENT_EXOCYTOSIS chr4q26, chr4q26