```
GSE29618_BCELL_VS_MDC_DN, GSE29618_BCELL_VS_MDC_DN
                             GSE29618_LAIV_VS_TIV_FLU_VACCINE_DAY7_BCELL_DN, GSE29618_LAIV_VS_TIV_FLU_VACCINE_DAY7_BCELL_DN
                             MORF_BECN1, MORF_BECN1
                             GSE360_DC_VS_MAC_B_MALAYI_LOW_DOSE_UP, GSE360_DC_VS_MAC_B_MALAYI_LOW_DOSE_UP
                             GSE360_L_DONOVANI_VS_B_MALAYI_LOW_DOSE_MAC_UP, GSE360_L_DONOVANI_VS_B_MALAYI_LOW_DOSE_MAC_UP
                            GOBP_ANTIGEN_PROCESSING_AND_PRESENTATION_OF_PEPTIDE_ANTIGEN, GOBP_ANTIGEN_PROCESSING_AND_PRESENTATION_OF_PEPTIDE_ANTIGEN
                            SCHERER_PBMC_APSV_WETVAX_AGE_18_32YO_50_TO_60DY_DN, SCHERER_PBMC_APSV_WETVAX_AGE_18_32YO_50_TO_60DY_DN
                             GSE20727_CTRL_VS_ROS_INHIBITOR_TREATED_DC_DN, GSE20727_CTRL_VS_ROS_INHIBITOR_TREATED_DC_DN
                             GSE360 CTRL VS M TUBERCULOSIS MAC UP, GSE360 CTRL VS M TUBERCULOSIS MAC UP
                             GSE17721_CPG_VS_GARDIQUIMOD_8H_BMDC_DN, GSE17721_CPG_VS_GARDIQUIMOD_8H_BMDC_DN
                             GSE34205_HEALTHY_VS_FLU_INF_INFANT_PBMC_DN, GSE34205_HEALTHY_VS_FLU_INF_INFANT_PBMC_DN
                             GOMF_UBIQUITIN_LIKE_PROTEIN_BINDING, GOMF_UBIQUITIN_LIKE_PROTEIN_BINDING
                             MORF_FANCG, MORF_FANCG
                             GSE6269_FLU_VS_E_COLI_INF_PBMC_UP, GSE6269_FLU_VS_E_COLI_INF_PBMC_UP
                             GSE22886_IGM_MEMORY_BCELL_VS_BM_PLASMA_CELL_DN, GSE22886_IGM_MEMORY_BCELL_VS_BM_PLASMA_CELL_DN
                            GSE360_HIGH_VS_LOW_DOSE_B_MALAYI_MAC_DN, GSE360_HIGH_VS_LOW_DOSE_B_MALAYI_MAC_DN
                            GSE360_DC_VS_MAC_B_MALAYI_LOW_DOSE_DN, GSE360_DC_VS_MAC_B_MALAYI_LOW_DOSE_DN
                            GOCC_ENDOPLASMIC_RETICULUM_PROTEIN_CONTAINING_COMPLEX, GOCC_ENDOPLASMIC_RETICULUM_PROTEIN_CONTAINING_COMPLEX
                            SCHLOSSER_SERUM_RESPONSE_AUGMENTED_BY_MYC, SCHLOSSER_SERUM_RESPONSE_AUGMENTED_BY_MYC
                            CUI_DEVELOPING_HEART_TRABECULAR_ATRIAL_CARDIOMYOCYTE, CUI_DEVELOPING_HEART_TRABECULAR_ATRIAL_CARDIOMYOCYTE
                            REACTOME_TRANSPORT_TO_THE_GOLGI_AND_SUBSEQUENT_MODIFICATION, REACTOME_TRANSPORT_TO_THE_GOLGI_AND_SUBSEQUENT_MODIFICATION
                            GOBP_ENDOPLASMIC_RETICULUM_UNFOLDED_PROTEIN_RESPONSE, GOBP_ENDOPLASMIC_RETICULUM_UNFOLDED_PROTEIN_RESPONSE
                            GSE39152_CD103_NEG_VS_POS_MEMORY_CD8_TCELL_DN, GSE39152_CD103_NEG_VS_POS_MEMORY_CD8_TCELL_DN
                             GOBP CYTOSKELETON DEPENDENT INTRACELLULAR TRANSPORT, GOBP CYTOSKELETON DEPENDENT INTRACELLULAR TRANSPORT
                            REACTOME_ER_TO_GOLGI_ANTEROGRADE_TRANSPORT, REACTOME_ER_TO_GOLGI_ANTEROGRADE_TRANSPORT
                            GOMF_UBIQUITIN_BINDING, GOMF_UBIQUITIN_BINDING
                             MIR548M, MIR548M
                            GSE39152_SPLEEN_CD103_NEG_VS_BRAIN_CD103_POS_MEMORY_CD8_TCELL_UP, GSE39152_SPLEEN_CD103_NEG_VS_BRAIN_CD103_POS_MEMORY_CD8_TCELL_UP
                            GSE360_LOW_DOSE_B_MALAYI_VS_M_TUBERCULOSIS_MAC_UP, GSE360_LOW_DOSE_B_MALAYI_VS_M_TUBERCULOSIS_MAC_UP
                             GSE23568_CTRL_VS_ID3_TRANSDUCED_CD8_TCELL_UP, GSE23568_CTRL_VS_ID3_TRANSDUCED_CD8_TCELL_UP
                            GOBP_TRANSPORT_ALONG_MICROTUBULE, GOBP_TRANSPORT_ALONG_MICROTUBULE
                            GOBP_REGULATION_OF_PROTEIN_LOCALIZATION_TO_MEMBRANE, GOBP_REGULATION_OF_PROTEIN_LOCALIZATION_TO_MEMBRANE
                            HOXA7_TARGET_GENES, HOXA7_TARGET_GENES
                             GOCC_ENDOPLASMIC_RETICULUM_GOLGI_INTERMEDIATE_COMPARTMENT, GOCC_ENDOPLASMIC_RETICULUM_GOLGI_INTERMEDIATE_COMPARTMENT
                             GSE12366_PLASMA_CELL_VS_MEMORY_BCELL_UP, GSE12366_PLASMA_CELL_VS_MEMORY_BCELL_UP
                             YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_10, YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_10
                             MORF_CSNK1D, MORF_CSNK1D
                             GSE5099_UNSTIM_VS_MCSF_TREATED_MONOCYTE_DAY3_DN, GSE5099_UNSTIM_VS_MCSF_TREATED_MONOCYTE_DAY3_DN
                             MORF_IKBKG, MORF_IKBKG
                             LAIHO_COLORECTAL_CANCER_SERRATED_UP, LAIHO_COLORECTAL_CANCER_SERRATED_UP
                             GOCC_MEMBRANE_COAT, GOCC_MEMBRANE_COAT
                             AGCATTA_MIR155, AGCATTA_MIR155
                             HALLMARK PI3K AKT MTOR SIGNALING, HALLMARK PI3K AKT MTOR SIGNALING
                             REACTOME_CLATHRIN_MEDIATED_ENDOCYTOSIS, REACTOME_CLATHRIN_MEDIATED_ENDOCYTOSIS
                             MORF_SS18, MORF_SS18
                            PID_ERBB1_DOWNSTREAM_PATHWAY, PID_ERBB1_DOWNSTREAM_PATHWAY
                            GOCC_PHAGOCYTIC_VESICLE_MEMBRANE, GOCC_PHAGOCYTIC_VESICLE_MEMBRANE
                             MIR4786_3P, MIR4786_3P
                             REACTOME_TRANS_GOLGI_NETWORK_VESICLE_BUDDING, REACTOME_TRANS_GOLGI_NETWORK_VESICLE_BUDDING
                            GOBP_REGULATION_OF_INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY, GOBP_REGULATION_OF_INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
                             GSE21670 TGFB VS IL6 TREATED CD4 TCELL DN, GSE21670 TGFB VS IL6 TREATED CD4 TCELL DN
                             GOBP REGULATION OF RESPONSE TO ENDOPLASMIC RETICULUM STRESS, GOBP REGULATION OF RESPONSE TO ENDOPLASMIC RETICULUM STRESS
                             WANG_ESOPHAGUS_CANCER_VS_NORMAL_DN, WANG_ESOPHAGUS_CANCER_VS_NORMAL_DN
                             MIR940, MIR940
                             REACTOME SARS COV 2 INFECTION, REACTOME SARS COV 2 INFECTION
                             GOBP_REGULATION_OF_MICROTUBULE_CYTOSKELETON_ORGANIZATION, GOBP_REGULATION_OF_MICROTUBULE_CYTOSKELETON_ORGANIZATION
                             REACTOME_GOLGI_ASSOCIATED_VESICLE_BIOGENESIS, REACTOME_GOLGI_ASSOCIATED_VESICLE_BIOGENESIS
                             SMARCA1_TARGET_GENES, SMARCA1_TARGET_GENES
                            HP_NEVUS, HP_NEVUS
                             PID_MTOR_4PATHWAY, PID_MTOR_4PATHWAY
                             MIR4514, MIR4514
                             GOBP_IRE1_MEDIATED_UNFOLDED_PROTEIN_RESPONSE, GOBP_IRE1_MEDIATED_UNFOLDED_PROTEIN_RESPONSE
                             REACTOME_FORMATION_OF_INCISION_COMPLEX_IN_GG_NER, REACTOME_FORMATION_OF_INCISION_COMPLEX_IN_GG_NER
                             GOCC_ENDOCYTIC_VESICLE_MEMBRANE, GOCC_ENDOCYTIC_VESICLE_MEMBRANE
                             GSE25088_CTRL_VS_ROSIGLITAZONE_STIM_STAT6_KO_MACROPHAGE_UP, GSE25088_CTRL_VS_ROSIGLITAZONE_STIM_STAT6_KO_MACROPHAGE_UP
                             KEGG_INSULIN_SIGNALING_PATHWAY, KEGG_INSULIN_SIGNALING_PATHWAY
                             GOBP_INNATE_IMMUNE_RESPONSE_ACTIVATING_SIGNAL_TRANSDUCTION, GOBP_INNATE_IMMUNE_RESPONSE_ACTIVATING_SIGNAL_TRANSDUCTION
                             MISSIAGLIA_REGULATED_BY_METHYLATION_UP, MISSIAGLIA_REGULATED_BY_METHYLATION_UP
                             GSE22886_IGG_IGA_MEMORY_BCELL_VS_BM_PLASMA_CELL_DN, GSE22886_IGG_IGA_MEMORY_BCELL_VS_BM_PLASMA_CELL_DN
                             HP_MANDIBULAR_PROGNATHIA, HP_MANDIBULAR_PROGNATHIA
                             MIR6884_5P, MIR6884_5P
                             WP_FRAGILE_X_SYNDROME, WP_FRAGILE_X_SYNDROME
                             GTGTTGA_MIR505, GTGTTGA_MIR505
                            GOBP_REGULATION_OF_PROTEIN_DEPHOSPHORYLATION, GOBP_REGULATION_OF_PROTEIN_DEPHOSPHORYLATION
                            GOBP_SUBSTRATE_ADHESION_DEPENDENT_CELL_SPREADING, GOBP_SUBSTRATE_ADHESION_DEPENDENT_CELL_SPREADING
                             MODULE_87, MODULE_87
                            GOBP_POSITIVE_REGULATION_OF_PROTEIN_LOCALIZATION_TO_MEMBRANE, GOBP_POSITIVE_REGULATION_OF_PROTEIN_LOCALIZATION_TO_MEMBRANE
                            REACTOME_EPH_EPHRIN_SIGNALING, REACTOME_EPH_EPHRIN_SIGNALING
                            BAE BRCA1 TARGETS UP, BAE BRCA1 TARGETS UP
                            GOBP_REGULATION_OF_PROTEIN_LOCALIZATION_TO_CELL_PERIPHERY, GOBP_REGULATION_OF_PROTEIN_LOCALIZATION_TO_CELL_PERIPHERY
                             MORF_PML, MORF_PML
                            REACTOME_N_GLYCAN_TRIMMING_IN_THE_ER_AND_CALNEXIN_CALRETICULIN_CYCLE, REACTOME_N_GLYCAN_TRIMMING_IN_THE_ER_AND_CALNEXIN_CALRETICULIN_CYCLE
                             TARTE PLASMA CELL VS B LYMPHOCYTE UP, TARTE PLASMA CELL VS B LYMPHOCYTE UP
                             GSE3982 CTRL VS LPS 1H NEUTROPHIL DN, GSE3982 CTRL VS LPS 1H NEUTROPHIL DN
                             HP_FETAL_ULTRASOUND_SOFT_MARKER, HP_FETAL_ULTRASOUND_SOFT_MARKER
                             SCHLOSSER SERUM RESPONSE UP, SCHLOSSER SERUM RESPONSE UP
                            HP OPEN MOUTH, HP OPEN MOUTH
                             GOCC_CLATHRIN_COATED_VESICLE, GOCC_CLATHRIN_COATED_VESICLE
                             MIR6079, MIR6079
                             MODULE_86, MODULE_86
                             GSE29618_PRE_VS_DAY7_POST_TIV_FLU_VACCINE_MONOCYTE_DN, GSE29618_PRE_VS_DAY7_POST_TIV_FLU_VACCINE_MONOCYTE_DN
                             GSE19772_CTRL_VS_HCMV_INF_MONOCYTES_DN, GSE19772_CTRL_VS_HCMV_INF_MONOCYTES_DN
                             GOMF_ION_CHANNEL_BINDING, GOMF_ION_CHANNEL_BINDING
                             MIR193A_3P_MIR193B_3P, MIR193A_3P_MIR193B_3P
                             REACTOME_CARGO_RECOGNITION_FOR_CLATHRIN_MEDIATED_ENDOCYTOSIS, REACTOME_CARGO_RECOGNITION_FOR_CLATHRIN_MEDIATED_ENDOCYTOSIS
                             GOBP_ORGANELLE_TRANSPORT_ALONG_MICROTUBULE, GOBP_ORGANELLE_TRANSPORT_ALONG_MICROTUBULE
                             GOBP_REGULATION_OF_PROTEIN_CONTAINING_COMPLEX_DISASSEMBLY, GOBP_REGULATION_OF_PROTEIN_CONTAINING_COMPLEX_DISASSEMBLY
                             LUI_THYROID_CANCER_PAX8_PPARG_DN, LUI_THYROID_CANCER_PAX8_PPARG_DN
                             REACTOME_SARS_COV_1_INFECTION, REACTOME_SARS_COV_1_INFECTION
                             REACTOME_TRANSLATION_OF_SARS_COV_2_STRUCTURAL_PROTEINS, REACTOME_TRANSLATION_OF_SARS_COV_2_STRUCTURAL_PROTEINS
                             MORF_ARAF1, MORF_ARAF1
                             REACTOME_TBC_RABGAPS, REACTOME_TBC_RABGAPS
                             GOMF_PHOSPHATASE_REGULATOR_ACTIVITY, GOMF_PHOSPHATASE_REGULATOR_ACTIVITY
                             GOCC_NEURON_SPINE, GOCC_NEURON_SPINE
                             GSE37534_PIOGLITAZONE_VS_ROSIGLITAZONE_TREATED_CD4_TCELL_PPARG1_FOXP3_TRANSDUCED_DN, GSE37534_PIOGLITAZONE_VS_ROSIGLITAZONE_TREATED_CD4_TCELL_PPARG1_FOXP3_TRANSDUCED_DN
                             ACAACTT_MIR382, ACAACTT_MIR382
                             GOBP_POSITIVE_REGULATION_OF_PROTEIN_POLYMERIZATION, GOBP_POSITIVE_REGULATION_OF_PROTEIN_POLYMERIZATION
                             JIANG HYPOXIA CANCER, JIANG HYPOXIA CANCER
                             GOBP_REGULATION_OF_PHOSPHOPROTEIN_PHOSPHATASE_ACTIVITY, GOBP_REGULATION_OF_PHOSPHOPROTEIN_PHOSPHATASE_ACTIVITY
                             GSE29618_PRE_VS_DAY7_POST_LAIV_FLU_VACCINE_MONOCYTE_UP, GSE29618_PRE_VS_DAY7_POST_LAIV_FLU_VACCINE_MONOCYTE_UP
                             HP_LOW_POSTERIOR_HAIRLINE, HP_LOW_POSTERIOR_HAIRLINE
                             MIR1972, MIR1972
                             HP_MELANOCYTIC_NEVUS, HP_MELANOCYTIC_NEVUS
                             REACTOME_RAB_GERANYLGERANYLATION, REACTOME_RAB_GERANYLGERANYLATION
                            REACTOME_CALNEXIN_CALRETICULIN_CYCLE, REACTOME_CALNEXIN_CALRETICULIN_CYCLE
                            GOBP_RESPONSE_TO_MONOSACCHARIDE, GOBP_RESPONSE_TO_MONOSACCHARIDE
                            WP_CAMKK2_PATHWAY, WP_CAMKK2_PATHWAY
F RAB1A, MORF RAB1A
                            BIOCARTA_FMLP_PATHWAY, BIOCARTA_FMLP_PATHWAY
                             BUSSLINGER_GASTRIC_IMMATURE_PIT_CELLS, BUSSLINGER_GASTRIC_IMMATURE_PIT_CELLS
                             MIR6756_3P, MIR6756_3P
                             MIR3127_3P, MIR3127_3P
                             DURANTE_ADULT_OLFACTORY_NEUROEPITHELIUM_MATURE_NEURONS, DURANTE_ADULT_OLFACTORY_NEUROEPITHELIUM_MATURE_NEURONS
                             HP_ABNORMALITY_OF_THE_PONS, HP_ABNORMALITY_OF_THE_PONS
                             HP_LOW_HANGING_COLUMELLA, HP_LOW_HANGING_COLUMELLA
                             GSE360_T_GONDII_VS_M_TUBERCULOSIS_MAC_DN, GSE360_T_GONDII_VS_M_TUBERCULOSIS_MAC_DN
                             ATAACCT_MIR154, ATAACCT_MIR154
                             GGCCAGT_MIR193A_MIR193B, GGCCAGT_MIR193A_MIR193B
                             GOBP_PROTEIN_LOCALIZATION_TO_MICROTUBULE_ORGANIZING_CENTER, GOBP_PROTEIN_LOCALIZATION_TO_MICROTUBULE_ORGANIZING_CENTER
                             LXR_DR4_Q3, LXR_DR4_Q3
                             GOBP_CELLULAR_PIGMENTATION, GOBP_CELLULAR_PIGMENTATION
                             HP_HEMIVERTEBRAE, HP_HEMIVERTEBRAE
                             GOBP_GLOBAL_GENOME_NUCLEOTIDE_EXCISION_REPAIR, GOBP_GLOBAL_GENOME_NUCLEOTIDE_EXCISION_REPAIR
                             HP_ABNORMAL_AORTIC_ARCH_MORPHOLOGY, HP_ABNORMAL_AORTIC_ARCH_MORPHOLOGY
                             KYNG_RESPONSE_TO_H2O2_VIA_ERCC6_DN, KYNG_RESPONSE_TO_H2O2_VIA_ERCC6_DN
                             MIR4659B_5P, MIR4659B_5P
                             GOBP_PROTEIN_LOCALIZATION_TO_CYTOSKELETON, GOBP_PROTEIN_LOCALIZATION_TO_CYTOSKELETON
                             REACTOME_DISASSEMBLY_OF_THE_DESTRUCTION_COMPLEX_AND_RECRUITMENT_OF_AXIN_TO_THE_MEMBRANE, REACTOME_DISASSEMBLY_OF_THE_DESTRUCTION_COMPLEX_AND_RECRUITMENT_OF_AXIN_TO_THE_MEMBRANE
                             KEGG_ADIPOCYTOKINE_SIGNALING_PATHWAY, KEGG_ADIPOCYTOKINE_SIGNALING_PATHWAY
                             NIKOLSKY_BREAST_CANCER_8Q23_Q24_AMPLICON, NIKOLSKY_BREAST_CANCER_8Q23_Q24_AMPLICON
                             CHEOK_RESPONSE_TO_HD_MTX_DN, CHEOK_RESPONSE_TO_HD_MTX_DN
                             GOCC_FICOLIN_1_RICH_GRANULE_MEMBRANE, GOCC_FICOLIN_1_RICH_GRANULE_MEMBRANE
                             GSE3982_MAC_VS_NEUTROPHIL_LPS_STIM_DN, GSE3982_MAC_VS_NEUTROPHIL_LPS_STIM_DN
                             JI_RESPONSE_TO_FSH_UP, JI_RESPONSE_TO_FSH_UP
                             GOBP_VESICLE_CYTOSKELETAL_TRAFFICKING, GOBP_VESICLE_CYTOSKELETAL_TRAFFICKING
                             NAGY_TFTC_COMPONENTS_HUMAN, NAGY_TFTC_COMPONENTS_HUMAN
                             GOBP_POSITIVE_REGULATION_OF_PROTEIN_LOCALIZATION_TO_CELL_PERIPHERY, GOBP_POSITIVE_REGULATION_OF_PROTEIN_LOCALIZATION_TO_CELL_PERIPHERY
                             GOMF_SNAP_RECEPTOR_ACTIVITY, GOMF_SNAP_RECEPTOR_ACTIVITY
                             MIR4733_5P, MIR4733_5P
                             GOBP_ARP2_3_COMPLEX_MEDIATED_ACTIN_NUCLEATION, GOBP_ARP2_3_COMPLEX_MEDIATED_ACTIN_NUCLEATION
                             HP_AORTIC_ROOT_ANEURYSM, HP_AORTIC_ROOT_ANEURYSM
                             GOBP_VESICLE_TRANSPORT_ALONG_MICROTUBULE, GOBP_VESICLE_TRANSPORT_ALONG_MICROTUBULE
                             GOBP_INTRA_GOLGI_VESICLE_MEDIATED_TRANSPORT, GOBP_INTRA_GOLGI_VESICLE_MEDIATED_TRANSPORT
                             GSE36476_YOUNG_VS_OLD_DONOR_MEMORY_CD4_TCELL_40H_TSST_ACT_UP, GSE36476_YOUNG_VS_OLD_DONOR_MEMORY_CD4_TCELL_40H_TSST_ACT_UP
                             GOBP_CLATHRIN_DEPENDENT_ENDOCYTOSIS, GOBP_CLATHRIN_DEPENDENT_ENDOCYTOSIS
                             GOBP_SYNAPTIC_VESICLE_TRANSPORT, GOBP_SYNAPTIC_VESICLE_TRANSPORT
                             REACTOME_TRANSLATION_OF_SARS_COV_1_STRUCTURAL_PROTEINS, REACTOME_TRANSLATION_OF_SARS_COV_1_STRUCTURAL_PROTEINS
                             HOXC11_TARGET_GENES, HOXC11_TARGET_GENES
                            HP_HYPOPLASIA_OF_THE_PONS, HP_HYPOPLASIA_OF_THE_PONS
                             GSE6269_FLU_VS_E_COLI_INF_PBMC_DN, GSE6269_FLU_VS_E_COLI_INF_PBMC_DN
                             BIOCARTA_AT1R_PATHWAY, BIOCARTA_AT1R_PATHWAY
                             MIR11399, MIR11399
                             REACTOME_RHO_GTPASES_ACTIVATE_WASPS_AND_WAVES, REACTOME_RHO_GTPASES_ACTIVATE_WASPS_AND_WAVES
                             GOBP_REGULATION_OF_SUBSTRATE_ADHESION_DEPENDENT_CELL_SPREADING, GOBP_REGULATION_OF_SUBSTRATE_ADHESION_DEPENDENT_CELL_SPREADING
                             GOBP_REGULATION_OF_MITOTIC_SPINDLE_ASSEMBLY, GOBP_REGULATION_OF_MITOTIC_SPINDLE_ASSEMBLY
                             MIR3183, MIR3183
                             WP_CARDIAC_HYPERTROPHIC_RESPONSE, WP_CARDIAC_HYPERTROPHIC_RESPONSE
                             GOBP_ACTIN_NUCLEATION, GOBP_ACTIN_NUCLEATION
                            PID_AJDISS_2PATHWAY, PID_AJDISS_2PATHWAY
                             MIR4723_3P, MIR4723_3P
                             WP_TARGET_OF_RAPAMYCIN_TOR_SIGNALING, WP_TARGET_OF_RAPAMYCIN_TOR_SIGNALING
                             GOCC STAGA COMPLEX, GOCC STAGA COMPLEX
                             REACTOME_EPH_EPHRIN_MEDIATED_REPULSION_OF_CELLS, REACTOME_EPH_EPHRIN_MEDIATED_REPULSION_OF_CELLS
                             GOBP_NUCLEOTIDE_EXCISION_REPAIR_DNA_DUPLEX_UNWINDING, GOBP_NUCLEOTIDE_EXCISION_REPAIR_DNA_DUPLEX_UNWINDING
                             HP_DILATATION_OF_THE_CEREBRAL_ARTERY, HP_DILATATION_OF_THE_CEREBRAL_ARTERY
                             PID_ARF_3PATHWAY, PID_ARF_3PATHWAY
                             GOMF_SH2_DOMAIN_BINDING, GOMF_SH2_DOMAIN_BINDING
                             GOBP_NEGATIVE_REGULATION_OF_TRANSFORMING_GROWTH_FACTOR_BETA_RECEPTOR_SIGNALING_PATHWAY, GOBP_NEGATIVE_REGULATION_OF_TRANSFORMING_GROWTH_FACTOR_BETA_RECEPTOR_SIGNALING_PATHWAY
                             GOBP GOLGI LOCALIZATION, GOBP GOLGI LOCALIZATION
                             GOCC_TRANSCRIPTION_FACTOR_TFTC_COMPLEX, GOCC_TRANSCRIPTION_FACTOR_TFTC_COMPLEX
                             HP_COGWHEEL_RIGIDITY, HP_COGWHEEL_RIGIDITY
                             MIR6769B_3P, MIR6769B_3P
                             GOCC_WASH_COMPLEX, GOCC_WASH_COMPLEX
                             NAGY_STAGA_COMPONENTS_HUMAN, NAGY_STAGA_COMPONENTS_HUMAN
                             BIOCARTA_NFAT_PATHWAY, BIOCARTA_NFAT_PATHWAY
                             GSE27670_CTRL_VS_BLIMP1_TRANSDUCED_GC_BCELL_UP, GSE27670_CTRL_VS_BLIMP1_TRANSDUCED_GC_BCELL_UP
                             GOBP REGULATION OF PROTEIN LOCALIZATION TO CELL SURFACE, GOBP REGULATION OF PROTEIN LOCALIZATION TO CELL SURFACE
                             MIR6743_5P, MIR6743_5P
                             GOBP_REGULATION_OF_INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_IN_RESPONSE_TO_DNA_DAMAGE_BY_P53_CLASS_MEDIATOR, GOBP_REGULATION_OF_INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_IN_RESPONSE_TO_DNA_DAMAGE_BY_P53_C
                             GOBP_RECEPTOR_INTERNALIZATION, GOBP_RECEPTOR_INTERNALIZATION
                             WP_FOLLICLE_STIMULATING_HORMONE_FSH_SIGNALING_PATHWAY, WP_FOLLICLE_STIMULATING_HORMONE_FSH_SIGNALING_PATHWAY
                             HP_MULTIPLE_LENTIGINES, HP_MULTIPLE_LENTIGINES
                             MIR4690_5P, MIR4690_5P
                             GOBP_MEMBRANE_BIOGENESIS, GOBP_MEMBRANE_BIOGENESIS
                             GENTILE_UV_RESPONSE_CLUSTER_D9, GENTILE_UV_RESPONSE_CLUSTER_D9
                             REACTOME_PROCESSING_AND_ACTIVATION_OF_SUMO, REACTOME_PROCESSING_AND_ACTIVATION_OF_SUMO
                             BRUECKNER_TARGETS_OF_MIRLET7A3_DN, BRUECKNER_TARGETS_OF_MIRLET7A3_DN
                             GOMF_PROTEIN_TAG, GOMF_PROTEIN_TAG
                             MYLLYKANGAS_AMPLIFICATION_HOT_SPOT_5, MYLLYKANGAS_AMPLIFICATION_HOT_SPOT_5
                            BIOCARTA_MAL_PATHWAY, BIOCARTA_MAL_PATHWAY
                            REACTOME_VLDLR_INTERNALISATION_AND_DEGRADATION, REACTOME_VLDLR_INTERNALISATION_AND_DEGRADATION
                            REACTOME_SIGNALING_BY_TGF_BETA_RECEPTOR_COMPLEX_IN_CANCER, REACTOME_SIGNALING_BY_TGF_BETA_RECEPTOR_COMPLEX_IN_CANCER
                            GOBP SYNAPTIC VESICLE LOCALIZATION, GOBP SYNAPTIC VESICLE LOCALIZATION
                            GOCC_PSEUDOPODIUM, GOCC_PSEUDOPODIUM
                            MIR3529 5P, MIR3529 5P
                            GOBP_ENGULFMENT_OF_APOPTOTIC_CELL, GOBP_ENGULFMENT_OF_APOPTOTIC_CELL
                            MIR744_3P, MIR744_3P
                             MIR5088_5P, MIR5088_5P
                             GOCC_LUMENAL_SIDE_OF_MEMBRANE, GOCC_LUMENAL_SIDE_OF_MEMBRANE
                             MIR7154_3P, MIR7154_3P
                             MIR4688, MIR4688
                             GOBP_NEGATIVE_REGULATION_OF_INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_BY_P53_CLASS_MEDIATOR, GOBP_NEGATIVE_REGULATION_OF_INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_BY_P53_CLASS_MEDIATOR
                            WP_REGUCALCIN_IN_PROXIMAL_TUBULE_EPITHELIAL_KIDNEY_CELLS, WP_REGUCALCIN_IN_PROXIMAL_TUBULE_EPITHELIAL_KIDNEY_CELLS
                            GOCC_LUMENAL_SIDE_OF_ENDOPLASMIC_RETICULUM_MEMBRANE, GOCC_LUMENAL_SIDE_OF_ENDOPLASMIC_RETICULUM_MEMBRANE
                            GOBP POSITIVE REGULATION OF SUBSTRATE ADHESION DEPENDENT CELL SPREADING, GOBP POSITIVE REGULATION OF SUBSTRATE ADHESION DEPENDENT CELL SPREADING
                            GOMF_LOW_DENSITY_LIPOPROTEIN_PARTICLE_RECEPTOR_BINDING, GOMF_LOW_DENSITY_LIPOPROTEIN_PARTICLE_RECEPTOR_BINDING
                            HP_ABNORMALITY_OF_THE_EXTRINSIC_PATHWAY, HP_ABNORMALITY_OF_THE_EXTRINSIC_PATHWAY
                            REACTOME_REGULATION_OF_IFNG_SIGNALING, REACTOME_REGULATION_OF_IFNG_SIGNALING
                            BIOCARTA ERAD PATHWAY, BIOCARTA ERAD PATHWAY
                            HP_BRONCHOMALACIA, HP_BRONCHOMALACIA
                            TIMOFEEVA_GROWTH_STRESS_VIA_STAT1_DN, TIMOFEEVA_GROWTH_STRESS_VIA_STAT1_DN
                            BIOCARTA_NOS1_PATHWAY, BIOCARTA_NOS1_PATHWAY
                            GOBP_NEGATIVE_REGULATION_OF_AUTOPHAGOSOME_ASSEMBLY, GOBP_NEGATIVE_REGULATION_OF_AUTOPHAGOSOME_ASSEMBLY
                             KYNG_WERNER_SYNDROM_UP, KYNG_WERNER_SYNDROM_UP
                             HP_LONG_TOE, HP_LONG_TOE
                             GOBP INSULIN SECRETION INVOLVED IN CELLULAR RESPONSE TO GLUCOSE STIMULUS, GOBP INSULIN SECRETION INVOLVED IN CELLULAR RESPONSE TO GLUCOSE STIMULUS
                            HP_THROMBOEMBOLISM, HP_THROMBOEMBOLISM
                            GOBP_AMYLOID_PRECURSOR_PROTEIN_CATABOLIC_PROCESS, GOBP_AMYLOID_PRECURSOR_PROTEIN_CATABOLIC_PROCESS
                            GOCC CLATHRIN COAT OF COATED PIT, GOCC CLATHRIN COAT OF COATED PIT
                            GOBP_REGULATION_OF_PROTEIN_POLYUBIQUITINATION, GOBP_REGULATION_OF_PROTEIN_POLYUBIQUITINATION
                             COLLIS_PRKDC_REGULATORS, COLLIS_PRKDC_REGULATORS
                             HP_CONGENITAL_NYSTAGMUS, HP_CONGENITAL_NYSTAGMUS
                             REACTOME_LOSS_OF_FUNCTION_OF_SMAD2_3_IN_CANCER, REACTOME_LOSS_OF_FUNCTION_OF_SMAD2_3_IN_CANCER
                             KEGG_HEDGEHOG_SIGNALING_PATHWAY, KEGG_HEDGEHOG_SIGNALING_PATHWAY
                            BOGNI_TREATMENT_RELATED_MYELOID_LEUKEMIA_UP, BOGNI_TREATMENT_RELATED_MYELOID_LEUKEMIA_UP
                            GCM_RING1, GCM_RING1
                            BIOCARTA_IGF1R_PATHWAY, BIOCARTA_IGF1R_PATHWAY
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GOCC\_SECONDARY\_LYSOSOME, GOCC\_SECONDARY\_LYSOSOME

MORF\_ACTG1, MORF\_ACTG1

MORF\_TPR, MORF\_TPR

GSE41176 WT VS TAK1 KO ANTI IGM STIM BCELL 24H UP, GSE41176 WT VS TAK1 KO ANTI IGM STIM BCELL 24H UP