```
GSE9006_TYPE_1_VS_TYPE_2_DIABETES_PBMC_AT_DX_UP, GSE9006_TYPE_1_VS_TYPE_2_DIABETES_PBMC_AT_DX_UP
                                                                                                       GSE16450_CTRL_VS_IFNA_6H_STIM_MATURE_NEURON_CELL_LINE_DN, GSE16450_CTRL_VS_IFNA_6H_STIM_MATURE_NEURON_CELL_LINE_DN
                                                                                                      GSE9006_HEALTHY_VS_TYPE_1_DIABETES_PBMC_1MONTH_POST_DX_UP, GSE9006_HEALTHY_VS_TYPE_1_DIABETES_PBMC_1MONTH_POST_DX_UP
                                                                                                       GSE9006_TYPE_1_DIABETES_AT_DX_VS_1MONTH_POST_DX_PBMC_UP, GSE9006_TYPE_1_DIABETES_AT_DX_VS_1MONTH_POST_DX_PBMC_UP
                                                                                                       GSE9601_UNTREATED_VS_PI3K_INHIBITOR_TREATED_HCMV_INF_MONOCYTE_UP, GSE9601_UNTREATED_VS_PI3K_INHIBITOR_TREATED_HCMV_INF_MONOCYTE_UP
                                                                                                      GSE45365_WT_VS_IFNAR_KO_CD8A_DC_MCMV_INFECTION_UP, GSE45365_WT_VS_IFNAR_KO_CD8A_DC_MCMV_INFECTION_UP
                                                                                                      GSE21670_UNTREATED_VS_TGFB_IL6_TREATED_STAT3_KO_CD4_TCELL_DN, GSE21670_UNTREATED_VS_TGFB_IL6_TREATED_STAT3_KO_CD4_TCELL_DN
                                                                                                      HALLMARK_DNA_REPAIR, HALLMARK_DNA_REPAIR
                                                                                                      GSE29618_PRE_VS_DAY7_POST_TIV_FLU_VACCINE_PDC_DN, GSE29618_PRE_VS_DAY7_POST_TIV_FLU_VACCINE_PDC_DN
                                                                                                      GSE21670_TGFB_VS_TGFB_AND_IL6_TREATED_CD4_TCELL_DN, GSE21670_TGFB_VS_TGFB_AND_IL6_TREATED_CD4_TCELL_DN
                                                                                                      GSE9006_TYPE_1_DIABETES_AT_DX_VS_4MONTH_POST_DX_PBMC_UP, GSE9006_TYPE_1_DIABETES_AT_DX_VS_4MONTH_POST_DX_PBMC_UP
                                                                                                      GNF2_STAT6, GNF2_STAT6
                                                                                                      GSE17721_0.5H_VS_4H_PAM3CSK4_BMDC_UP, GSE17721_0.5H_VS_4H_PAM3CSK4_BMDC_UP
                                                                                                      GSE22886_NAIVE_CD4_TCELL_VS_12H_ACT_TH1_UP, GSE22886_NAIVE_CD4_TCELL_VS_12H_ACT_TH1_UP
                                                                                                      GSE16522_ANTI_CD3CD28_STIM_VS_UNSTIM_NAIVE_CD8_TCELL_DN, GSE16522_ANTI_CD3CD28_STIM_VS_UNSTIM_NAIVE_CD8_TCELL_DN
                                                                                                      GSE20715_WT_VS_TLR4_KO_48H_OZONE_LUNG_DN, GSE20715_WT_VS_TLR4_KO_48H_OZONE_LUNG_DN
                                                                                                      GSE360_CTRL_VS_T_GONDII_MAC_UP, GSE360_CTRL_VS_T_GONDII_MAC_UP
                                                                                                      GSE9006_HEALTHY_VS_TYPE_1_DIABETES_PBMC_AT_DX_UP, GSE9006_HEALTHY_VS_TYPE_1_DIABETES_PBMC_AT_DX_UP
                                                                                                      GSE22886_TCELL_VS_BCELL_NAIVE_UP, GSE22886_TCELL_VS_BCELL_NAIVE_UP
                                                                                                      MODULE_257, MODULE_257
                                                                                                      GSE25123_CTRL_VS_IL4_AND_ROSIGLITAZONE_STIM_MACROPHAGE_UP, GSE25123_CTRL_VS_IL4_AND_ROSIGLITAZONE_STIM_MACROPHAGE_UP
                                                                                                      GSE7831_UNSTIM_VS_CPG_STIM_PDC_1H_UP, GSE7831_UNSTIM_VS_CPG_STIM_PDC_1H_UP
                                                                                                      GSE6269_HEALTHY_VS_FLU_INF_PBMC_DN, GSE6269_HEALTHY_VS_FLU_INF_PBMC_DN
                                                                                                      GSE22886 CD4_TCELL_VS_BCELL_NAIVE_UP, GSE22886 CD4_TCELL_VS_BCELL_NAIVE_UP
                                                                                                      GSE22886_NAIVE_TCELL_VS_DC_UP, GSE22886_NAIVE_TCELL_VS_DC_UP
                                                                                                      GSE17721_ALL_VS_24H_PAM3CSK4_BMDC_UP, GSE17721_ALL_VS_24H_PAM3CSK4_BMDC_UP
                                                                                                      GSE29618_LAIV_VS_TIV_FLU_VACCINE_DAY7_MONOCYTE_UP, GSE29618_LAIV_VS_TIV_FLU_VACCINE_DAY7_MONOCYTE_UP
                                                                                                      GNF2_MYD88, GNF2_MYD88
                                                                                                      GSE1432 CTRL VS IFNG 1H MICROGLIA UP, GSE1432 CTRL VS IFNG 1H MICROGLIA UP
                                                                                                      JOHNSTONE_PARVB_TARGETS_2_UP, JOHNSTONE_PARVB_TARGETS_2_UP
                                                                                                      GSE21380_TFH_VS_GERMINAL_CENTER_TFH_CD4_TCELL_DN, GSE21380_TFH_VS_GERMINAL_CENTER_TFH_CD4_TCELL_DN
                                                                                                      GO_CORE_PROMOTER_BINDING, GO_CORE_PROMOTER_BINDING
                                                                                                      GSE22886_IGG_IGA_MEMORY_BCELL_VS_BM_PLASMA_CELL_DN, GSE22886_IGG_IGA_MEMORY_BCELL_VS_BM_PLASMA_CELL_DN
                                                                                                      REACTOME_RNA_POL_II_PRE_TRANSCRIPTION_EVENTS, REACTOME_RNA_POL_II_PRE_TRANSCRIPTION_EVENTS
                                                                                                      GSE360_CTRL_VS_B_MALAYI_HIGH_DOSE_MAC_UP, GSE360_CTRL_VS_B_MALAYI_HIGH_DOSE_MAC_UP
                                                                                                      REACTOME_FORMATION_OF_RNA_POL_II_ELONGATION_COMPLEX_, REACTOME_FORMATION_OF_RNA_POL_II_ELONGATION_COMPLEX_
                                                                                                      GSE17721_CTRL_VS_GARDIQUIMOD_1H_BMDC_UP, GSE17721_CTRL_VS_GARDIQUIMOD_1H_BMDC_UP
                                                                                                      GNF2_CD97, GNF2_CD97
                                                                                                      GSE43863_NAIVE_VS_LY6C_LOW_CXCR5NEG_CD4_EFF_TCELL_D6_LCMV_DN, GSE43863_NAIVE_VS_LY6C_LOW_CXCR5NEG_CD4_EFF_TCELL_D6_LCMV_DN
                                                                                                      GSE10273_HIGH_IL7_VS_HIGH_IL7_AND_IRF4_IN_IRF4_8_NULL_PRE_BCELL_DN, GSE10273_HIGH_IL7_VS_HIGH_IL7_AND_IRF4_IN_IRF4_8_NULL_PRE_BCELL_DN
                                                                                                      PENG_RAPAMYCIN_RESPONSE_UP, PENG_RAPAMYCIN_RESPONSE_UP
                                                                                                      PECE_MAMMARY_STEM_CELL_UP, PECE_MAMMARY_STEM_CELL_UP
                                                                                                      GSE3039_ALPHAALPHA_CD8_TCELL_VS_B2_BCELL_UP, GSE3039_ALPHAALPHA_CD8_TCELL_VS_B2_BCELL_UP
                                                                                                      GSE18804_SPLEEN_MACROPHAGE_VS_COLON_TUMORAL_MACROPHAGE_UP, GSE18804_SPLEEN_MACROPHAGE_VS_COLON_TUMORAL_MACROPHAGE_UP
                                                                                                      GSE1460 CD4_THYMOCYTE_VS_THYMIC_STROMAL_CELL_UP, GSE1460_CD4_THYMOCYTE_VS_THYMIC_STROMAL_CELL_UP
                                                                                                      WOOD EBV EBNA1 TARGETS UP, WOOD EBV EBNA1 TARGETS UP
                                                                                                      GSE8921_UNSTIM_VS_TLR1_2_STIM_MONOCYTE_24H_DN, GSE8921_UNSTIM_VS_TLR1_2_STIM_MONOCYTE_24H_DN
                                                                                                      UEDA CENTRAL CLOCK, UEDA CENTRAL CLOCK
                                                                                                      GSE17721_PAM3CSK4_VS_GADIQUIMOD_0.5H_BMDC_DN, GSE17721_PAM3CSK4_VS_GADIQUIMOD_0.5H_BMDC_DN
                                                                                                      GO_HEAT_SHOCK_PROTEIN_BINDING, GO_HEAT_SHOCK_PROTEIN_BINDING
                                                                                                      GO PURINE NUCLEOSIDE BIOSYNTHETIC PROCESS, GO PURINE NUCLEOSIDE BIOSYNTHETIC PROCESS
                                                                                                      GO_RAS_PROTEIN_SIGNAL_TRANSDUCTION, GO_RAS_PROTEIN_SIGNAL_TRANSDUCTION
                                                                                                      GSE1448_CTRL_VS_ANTI_VALPHA2_DP_THYMOCYTE_UP, GSE1448_CTRL_VS_ANTI_VALPHA2_DP_THYMOCYTE_UP
                                                                                                      GSE32533 MIR17 KO_VS_MIR17_OVEREXPRESS_ACT_CD4_TCELL_UP, GSE32533 MIR17_KO_VS_MIR17_OVEREXPRESS_ACT_CD4_TCELL_UP
                                                                                                      GCM BECN1, GCM BECN1
                                                                                                      GO_RNA_POLYMERASE_II_TRANSCRIPTION_FACTOR_COMPLEX, GO_RNA_POLYMERASE_II_TRANSCRIPTION_FACTOR_COMPLEX
                                                                                                      KEGG_RENAL_CELL_CARCINOMA, KEGG_RENAL_CELL_CARCINOMA
                                                                                                      GO_PROTON_TRANSPORTING_TWO_SECTOR_ATPASE_COMPLEX, GO_PROTON_TRANSPORTING_TWO_SECTOR_ATPASE_COMPLEX
                                                                                                      GSE8921_3H_VS_24H_TLR1_2_STIM_MONOCYTE_DN, GSE8921_3H_VS_24H_TLR1_2_STIM_MONOCYTE_DN
                                                                                                      GSE20500_CTRL_VS_RARA_ANTAGONIST_TREATED_CD4_TCELL_UP, GSE20500_CTRL_VS_RARA_ANTAGONIST_TREATED_CD4_TCELL_UP
                                                                                                      GNF2_CBFB, GNF2_CBFB
                                                                                                      GSE27291_0H_VS_6H_STIM_GAMMADELTA_TCELL_UP, GSE27291_0H_VS_6H_STIM_GAMMADELTA_TCELL_UP
                                                                                                      NADLER_OBESITY_UP, NADLER_OBESITY_UP
                                                                                                      GSE360_L_MAJOR_VS_M_TUBERCULOSIS_DC_UP, GSE360_L_MAJOR_VS_M_TUBERCULOSIS_DC_UP
                                                                                                      GSE27670_BLIMP1_VS_LMP1_TRANSDUCED_GC_BCELL_UP, GSE27670_BLIMP1_VS_LMP1_TRANSDUCED_GC_BCELL_UP
                                                                                                      GO_PURINE_NUCLEOSIDE_MONOPHOSPHATE_BIOSYNTHETIC_PROCESS, GO_PURINE_NUCLEOSIDE_MONOPHOSPHATE_BIOSYNTHETIC_PROCESS
                                                                                                       WIELAND_UP_BY_HBV_INFECTION, WIELAND_UP_BY_HBV_INFECTION
                                                                                                       GSE27786_BCELL_VS_CD4_TCELL_DN, GSE27786_BCELL_VS_CD4_TCELL_DN
                                                                                                      SESTO_RESPONSE_TO_UV_C7, SESTO_RESPONSE_TO_UV_C7
                                                                                                      GSE360_CTRL_VS_M_TUBERCULOSIS_MAC_DN, GSE360_CTRL_VS_M_TUBERCULOSIS_MAC_DN
                                                                                                      REACTOME_RNA_POL_II_TRANSCRIPTION_PRE_INITIATION_AND_PROMOTER_OPENING, REACTOME_RNA_POL_II_TRANSCRIPTION_PRE_INITIATION_AND_PROMOTER_OPENING
                                                                                                      GO_RIBONUCLEOSIDE_TRIPHOSPHATE_BIOSYNTHETIC_PROCESS, GO_RIBONUCLEOSIDE_TRIPHOSPHATE_BIOSYNTHETIC_PROCESS
                                                                                                       LOPEZ_TRANSLATION_VIA_FN1_SIGNALING, LOPEZ_TRANSLATION_VIA_FN1_SIGNALING
                                                                                                      MARTINEZ_RESPONSE_TO_TRABECTEDIN_UP, MARTINEZ_RESPONSE_TO_TRABECTEDIN_UP
                                                                                                      GNF2_INPP5D, GNF2_INPP5D
                                                                                                       HOLLEMAN_PREDNISOLONE_RESISTANCE_B_ALL_UP, HOLLEMAN_PREDNISOLONE_RESISTANCE_B_ALL_UP
                                                                                                       GSE18281_CORTICAL_VS_MEDULLARY_THYMOCYTE_UP, GSE18281_CORTICAL_VS_MEDULLARY_THYMOCYTE_UP
                                                                                                       ACAGGGT_MIR10A_MIR10B, ACAGGGT_MIR10A_MIR10B
                                                                                                       LIANG_HEMATOPOIESIS_STEM_CELL_NUMBER_SMALL_VS_HUGE_DN, LIANG_HEMATOPOIESIS_STEM_CELL_NUMBER_SMALL_VS_HUGE_DN
                                                                                                       DELPUECH_FOXO3_TARGETS_UP, DELPUECH_FOXO3_TARGETS_UP
                                                                                                      GO_POSITIVE_REGULATION_OF_VIRAL_TRANSCRIPTION, GO_POSITIVE_REGULATION_OF_VIRAL_TRANSCRIPTION
                                                                                                       GSE17721 CTRL VS LPS 0.5H BMDC DN, GSE17721 CTRL VS LPS 0.5H BMDC DN
                                                                                                      GO_PROTEIN_EXPORT_FROM_NUCLEUS, GO_PROTEIN_EXPORT_FROM_NUCLEUS
                                                                                                       GSE34006_WT_VS_A2AR_KO_TREG_UP, GSE34006_WT_VS_A2AR_KO_TREG_UP
                                                                                                       AGCTCCT_MIR28, AGCTCCT_MIR28
                                                                                                       GO_PURINE_CONTAINING_COMPOUND_BIOSYNTHETIC_PROCESS, GO_PURINE_CONTAINING_COMPOUND_BIOSYNTHETIC_PROCESS
                                                                                                       KOBAYASHI_EGFR_SIGNALING_24HR_UP, KOBAYASHI_EGFR_SIGNALING_24HR_UP
                                                                                                      SRF 01, SRF 01
                                                                                                       GSE5099_MONOCYTE_VS_CLASSICAL_M1_MACROPHAGE_UP, GSE5099_MONOCYTE_VS_CLASSICAL_M1_MACROPHAGE_UP
                                                                                                      GO_PRE_MRNA_BINDING, GO_PRE_MRNA_BINDING
                                                                                                      GSE17721_CTRL_VS_POLYIC_0.5H_BMDC_DN, GSE17721_CTRL_VS_POLYIC_0.5H_BMDC_DN
                                                                                                       GSE37301 HEMATOPOIETIC STEM CELL VS PRO BCELL UP, GSE37301 HEMATOPOIETIC STEM CELL VS PRO BCELL UP
                                                                                                      PID_RAC1_PATHWAY, PID_RAC1_PATHWAY
                                                                                                      HONMA DOCETAXEL RESISTANCE, HONMA DOCETAXEL RESISTANCE
TYPE 2 DIABETES PBMC AT DX UP, GSE9006 HEALTHY VS TYPE 2 DIABETES PBMC AT DX UP
                                                                                                      SASSON_RESPONSE_TO_GONADOTROPHINS_DN, SASSON_RESPONSE_TO_GONADOTROPHINS_DN
                                                                                                       GSE30971_2H_VS_4H_LPS_STIM_MACROPHAGE_WBP7_KO_DN, GSE30971_2H_VS_4H_LPS_STIM_MACROPHAGE_WBP7_KO_DN
                                                                                                       LIU_PROSTATE_CANCER_UP, LIU_PROSTATE_CANCER_UP
                                                                                                      GSE17721_CTRL_VS_POLYIC_1H_BMDC_DN, GSE17721_CTRL_VS_POLYIC_1H_BMDC_DN
                                                                                                       GO_RESPONSE_TO_NUTRIENT, GO_RESPONSE_TO_NUTRIENT
                                                                                                       GO_ATPASE_REGULATOR_ACTIVITY, GO_ATPASE_REGULATOR_ACTIVITY
                                                                                                       GSE1460 CD4_THYMOCYTE_VS_NAIVE_CD4_TCELL_CORD_BLOOD_DN, GSE1460 CD4_THYMOCYTE_VS_NAIVE_CD4_TCELL_CORD_BLOOD_DN
                                                                                                      GO_POSITIVE_REGULATION_OF_ATPASE_ACTIVITY, GO_POSITIVE_REGULATION_OF_ATPASE_ACTIVITY
                                                                                                       KHETCHOUMIAN_TRIM24_TARGETS_UP, KHETCHOUMIAN_TRIM24_TARGETS_UP
                                                                                                       GO CELLULAR RESPONSE TO INORGANIC SUBSTANCE, GO CELLULAR RESPONSE TO INORGANIC SUBSTANCE
                                                                                                       MODULE_116, MODULE_116
                                                                                                       GSE21360_PRIMARY_VS_SECONDARY_MEMORY_CD8_TCELL_DN, GSE21360_PRIMARY_VS_SECONDARY_MEMORY_CD8_TCELL_DN
                                                                                                       BAE BRCA1 TARGETS DN, BAE BRCA1 TARGETS DN
                                                                                                       SATO_SILENCED_BY_DEACETYLATION_IN_PANCREATIC_CANCER, SATO_SILENCED_BY_DEACETYLATION_IN_PANCREATIC_CANCER
                                                                                                       GSE46606_DAY1_VS_DAY3_CD40L_IL2_IL5_STIMULATED_IRF4_KO_BCELL_UP, GSE46606_DAY1_VS_DAY3_CD40L_IL2_IL5_STIMULATED_IRF4_KO_BCELL_UP
                                                                                                       GSE20715_0H_VS_6H_OZONE_TLR4_KO_LUNG_UP, GSE20715_0H_VS_6H_OZONE_TLR4_KO_LUNG_UP
                                                                                                       GO_NEGATIVE_REGULATION_OF_CELL_ACTIVATION, GO_NEGATIVE_REGULATION_OF_CELL_ACTIVATION
                                                                                                       GSE28783 ANTI MIR33_VS_UNTREATED_ATHEROSCLEROSIS_MACROPHAGE_UP, GSE28783_ANTI_MIR33_VS_UNTREATED_ATHEROSCLEROSIS_MACROPHAGE_UP
                                                                                                       LABBE_TARGETS_OF_TGFB1_AND_WNT3A_UP, LABBE_TARGETS_OF_TGFB1_AND_WNT3A_UP
                                                                                                       GO_TRANSCRIPTION_FACTOR_TFIID_COMPLEX, GO_TRANSCRIPTION_FACTOR_TFIID_COMPLEX
                                                                                                       GO_INTRAMOLECULAR_OXIDOREDUCTASE_ACTIVITY, GO_INTRAMOLECULAR_OXIDOREDUCTASE_ACTIVITY
                                                                                                      GO_ATPASE_ACTIVATOR_ACTIVITY, GO_ATPASE_ACTIVATOR_ACTIVITY
                                                                                                       PID_RHOA_PATHWAY, PID_RHOA_PATHWAY
                                                                                                      GO_REGULATION_OF_DNA_BINDING, GO_REGULATION_OF_DNA_BINDING
                                                                                                      MODULE_419, MODULE_419
                                                                                                       MODULE_524, MODULE_524
                                                                                                      GCM_VAV1, GCM_VAV1
                                                                                                      GO_RESPONSE_TO_CADMIUM_ION, GO_RESPONSE_TO_CADMIUM_ION
                                                                                                      GO_REGULATION_OF_B_CELL_ACTIVATION, GO_REGULATION_OF_B_CELL_ACTIVATION
                                                                                                       ACCTGTTG_UNKNOWN, ACCTGTTG_UNKNOWN
                                                                                                      BIOCARTA_RHO_PATHWAY, BIOCARTA_RHO_PATHWAY
                                                                                                      PDGF_ERK_DN.V1_UP, PDGF_ERK_DN.V1_UP
                                                                                                      GO_POSITIVE_REGULATION_OF_CYTOSKELETON_ORGANIZATION, GO_POSITIVE_REGULATION_OF_CYTOSKELETON_ORGANIZATION
                                                                                                      PRAMOONJAGO_SOX4_TARGETS_DN, PRAMOONJAGO_SOX4_TARGETS_DN
                                                                                                      WU_HBX_TARGETS_1_DN, WU_HBX_TARGETS_1_DN
                                                                                                      GSE17721_CTRL_VS_CPG_0.5H_BMDC_DN, GSE17721_CTRL_VS_CPG_0.5H_BMDC_DN
                                                                                                      GSE3982_DC_VS_NEUTROPHIL_LPS_STIM_DN, GSE3982_DC_VS_NEUTROPHIL_LPS_STIM_DN
                                                                                                      GO_ATP_HYDROLYSIS_COUPLED_TRANSMEMBRANE_TRANSPORT, GO_ATP_HYDROLYSIS_COUPLED_TRANSMEMBRANE_TRANSPORT
                                                                                                      BIOCARTA_CTCF_PATHWAY, BIOCARTA_CTCF_PATHWAY
                                                                                                      GHO_ATF5_TARGETS_DN, GHO_ATF5_TARGETS_DN
                                                                                                      GO_POSITIVE_REGULATION_OF_PROTEIN_DEACETYLATION, GO_POSITIVE_REGULATION_OF_PROTEIN_DEACETYLATION
                                                                                                      GO_PROTEIN_DEPOLYMERIZATION, GO_PROTEIN_DEPOLYMERIZATION
                                                                                                      GO_INTRAMOLECULAR_OXIDOREDUCTASE_ACTIVITY_TRANSPOSING_S_S_BONDS, GO_INTRAMOLECULAR_OXIDOREDUCTASE_ACTIVITY_TRANSPOSING_S_S_BONDS
                                                                                                      GO_POSITIVE_REGULATION_OF_PEPTIDYL_TYROSINE_PHOSPHORYLATION, GO_POSITIVE_REGULATION_OF_PEPTIDYL_TYROSINE_PHOSPHORYLATION
                                                                                                      BANDRES_RESPONSE_TO_CARMUSTIN_WITHOUT_MGMT_48HR_DN, BANDRES_RESPONSE_TO_CARMUSTIN_WITHOUT_MGMT_48HR_DN
                                                                                                      WANG_PROSTATE_CANCER_ANDROGEN_INDEPENDENT, WANG_PROSTATE_CANCER_ANDROGEN_INDEPENDENT
                                                                                                      GO_POSITIVE_REGULATION_OF_LIPID_KINASE_ACTIVITY, GO_POSITIVE_REGULATION_OF_LIPID_KINASE_ACTIVITY
                                                                                                      BONOME_OVARIAN_CANCER_POOR_SURVIVAL_DN, BONOME_OVARIAN_CANCER_POOR_SURVIVAL_DN
                                                                                                      GO_ENTRAINMENT_OF_CIRCADIAN_CLOCK_BY_PHOTOPERIOD, GO_ENTRAINMENT_OF_CIRCADIAN_CLOCK_BY_PHOTOPERIOD
                                                                                                      GO_PROTON_TRANSPORTING_TWO_SECTOR_ATPASE_COMPLEX_PROTON_TRANSPORTING_DOMAIN, GO_PROTON_TRANSPORTING_TWO_SECTOR_ATPASE_COMPLEX_PROTON_TRANSPORTING_DOMAIN
                                                                                                      ZHENG_RESPONSE_TO_ARSENITE_UP, ZHENG_RESPONSE_TO_ARSENITE_UP
                                                                                                      PAX5_02, PAX5_02
                                                                                                      GO_PRP19_COMPLEX, GO_PRP19_COMPLEX
                                                                                                      RIZKI_TUMOR_INVASIVENESS_2D_UP, RIZKI_TUMOR_INVASIVENESS_2D_UP
                                                                                                      GO_REGULATION_OF_EXOSOMAL_SECRETION, GO_REGULATION_OF_EXOSOMAL_SECRETION
                                                                                                      GO_CELLULAR_GLUCOSE_HOMEOSTASIS, GO_CELLULAR_GLUCOSE_HOMEOSTASIS
                                                                                                      CHEOK_RESPONSE_TO_MERCAPTOPURINE_AND_HD_MTX_DN, CHEOK_RESPONSE_TO_MERCAPTOPURINE_AND_HD_MTX_DN
                                                                                                      GO_ENDOCYTIC_RECYCLING, GO_ENDOCYTIC_RECYCLING
                                                                                                      MALONEY_RESPONSE_TO_17AAG_UP, MALONEY_RESPONSE_TO_17AAG_UP
                                                                                                      VERRECCHIA_RESPONSE_TO_TGFB1_C4, VERRECCHIA_RESPONSE_TO_TGFB1_C4
                                                                                                      REACTOME_SEMA3A_PAK_DEPENDENT_AXON_REPULSION, REACTOME_SEMA3A_PAK_DEPENDENT_AXON_REPULSION
                                                                                                      GO_NEGATIVE_REGULATION_OF_HOMEOSTATIC_PROCESS, GO_NEGATIVE_REGULATION_OF_HOMEOSTATIC_PROCESS
                                                                                                      GO_NEGATIVE_REGULATION_OF_LEUKOCYTE_PROLIFERATION, GO_NEGATIVE_REGULATION_OF_LEUKOCYTE_PROLIFERATION
                                                                                                      GO_PROTEIN_SERINE_THREONINE_KINASE_ACTIVATOR_ACTIVITY, GO_PROTEIN_SERINE_THREONINE_KINASE_ACTIVATOR_ACTIVITY
                                                                                                      GO_BLOOD_MICROPARTICLE, GO_BLOOD_MICROPARTICLE
                                                                                                      GO_PURINE_CONTAINING_COMPOUND_SALVAGE, GO_PURINE_CONTAINING_COMPOUND_SALVAGE
                                                                                                      GO_MITOCHONDRIAL_CALCIUM_ION_HOMEOSTASIS, GO_MITOCHONDRIAL_CALCIUM_ION_HOMEOSTASIS
                                                                                                      GO_CALCIUM_DEPENDENT_PROTEIN_BINDING, GO_CALCIUM_DEPENDENT_PROTEIN_BINDING
                                                                                                      GO_CHONDROITIN_SULFATE_CATABOLIC_PROCESS, GO_CHONDROITIN_SULFATE_CATABOLIC_PROCESS
                                                                                                      SPIELMAN_LYMPHOBLAST_EUROPEAN_VS_ASIAN_2FC_UP, SPIELMAN_LYMPHOBLAST_EUROPEAN_VS_ASIAN_2FC_UP
                                                                                                      JIANG_TIP30_TARGETS_DN, JIANG_TIP30_TARGETS_DN
                                                                                                      BIOCARTA_RAC1_PATHWAY, BIOCARTA_RAC1_PATHWAY
                                                                                                      GO_GOLGI_LOCALIZATION, GO_GOLGI_LOCALIZATION
                                                                                                      GALIE_TUMOR_ANGIOGENESIS, GALIE_TUMOR_ANGIOGENESIS
                                                                                                      GO NEGATIVE REGULATION OF B CELL ACTIVATION, GO NEGATIVE REGULATION OF B CELL ACTIVATION
                                                                                                      HASLINGER_B_CLL_WITH_CHROMOSOME_12_TRISOMY, HASLINGER_B_CLL_WITH_CHROMOSOME_12_TRISOMY
                                                                                                      MEDINA_SMARCA4_TARGETS, MEDINA_SMARCA4_TARGETS
                                                                                                      BANDRES RESPONSE TO CARMUSTIN MGMT 48HR DN, BANDRES RESPONSE TO CARMUSTIN MGMT 48HR DN
                                                                                                      GSE17721_CPG_VS_GARDIQUIMOD_12H_BMDC_UP, GSE17721_CPG_VS_GARDIQUIMOD_12H_BMDC_UP
                                                                                                      KYNG_WERNER_SYNDROM_DN, KYNG_WERNER_SYNDROM_DN
                                                                                                      REACTOME CS DS DEGRADATION, REACTOME CS DS DEGRADATION
                                                                                                      GO_ALTERNATIVE_MRNA_SPLICING_VIA_SPLICEOSOME, GO_ALTERNATIVE_MRNA_SPLICING_VIA_SPLICEOSOME
                                                                                                      SASAKI_TARGETS_OF_TP73_AND_TP63, SASAKI_TARGETS_OF_TP73_AND_TP63
                                                                                                      GSE3994 WT VS PAC1 KO ACTIVATED MAST CELL UP, GSE3994 WT VS PAC1 KO ACTIVATED MAST CELL UP
                                                                                                      DASU_IL6_SIGNALING_UP, DASU_IL6_SIGNALING_UP
                                                                                                      WU_HBX_TARGETS_2_UP, WU_HBX_TARGETS_2_UP
                                                                                                      GO_POSITIVE_REGULATION_OF_HISTONE_DEACETYLATION, GO_POSITIVE_REGULATION_OF_HISTONE_DEACETYLATION
                                                                                                      REACTOME_GENERATION_OF_SECOND_MESSENGER_MOLECULES, REACTOME_GENERATION_OF_SECOND_MESSENGER_MOLECULES
                                                                                                      GO_SULFUR_COMPOUND_CATABOLIC_PROCESS, GO_SULFUR_COMPOUND_CATABOLIC_PROCESS
                                                                                                      CHEOK_RESPONSE_TO_MERCAPTOPURINE_UP, CHEOK_RESPONSE_TO_MERCAPTOPURINE_UP
                                                                                                      GO_PROTON_TRANSPORTING_ATP_SYNTHASE_COMPLEX_COUPLING_FACTOR_F_O_, GO_PROTON_TRANSPORTING_ATP_SYNTHASE_COMPLEX_COUPLING_FACTOR_F_O_
                                                                                                      GO_CELL_TRAILING_EDGE, GO_CELL_TRAILING_EDGE
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GO\_UBIQUITIN\_DEPENDENT\_PROTEIN\_CATABOLIC\_PROCESS\_VIA\_THE\_MULTIVESICULAR\_BODY\_SORTING\_PATHWAY, GO\_UBIQUITIN\_DEPENDENT\_PROTEIN\_CATABOLIC\_PROCESS\_VIA\_THE\_MULTIVESICUI

REACTOME\_HS\_GAG\_DEGRADATION, REACTOME\_HS\_GAG\_DEGRADATION