```
GSE16385_UNTREATED_VS_12H_ROSIGLITAZONE_IL4_TREATED_MACROPHAGE_UP, GSE16385_UNTREATED_VS_12H_ROSIGLITAZONE_IL4_TREATED_MACROPHAGE_UP
                                                                                                   GSE22886_TCELL_VS_BCELL_NAIVE_UP, GSE22886_TCELL_VS_BCELL_NAIVE_UP
                                                                                                   GSE16450_CTRL_VS_IFNA_6H_STIM_MATURE_NEURON_CELL_LINE_DN, GSE16450_CTRL_VS_IFNA_6H_STIM_MATURE_NEURON_CELL_LINE_DN
                                                                                                   GSE9006_TYPE_1_DIABETES_AT_DX_VS_1MONTH_POST_DX_PBMC_UP, GSE9006_TYPE_1_DIABETES_AT_DX_VS_1MONTH_POST_DX_PBMC_UP
                                                                                                    GSE9006_TYPE_1_DIABETES_AT_DX_VS_4MONTH_POST_DX_PBMC_UP, GSE9006_TYPE_1_DIABETES_AT_DX_VS_4MONTH_POST_DX_PBMC_UP
                                                                                                   GSE9601_UNTREATED_VS_PI3K_INHIBITOR_TREATED_HCMV_INF_MONOCYTE_UP, GSE9601_UNTREATED_VS_PI3K_INHIBITOR_TREATED_HCMV_INF_MONOCYTE_UP
                                                                                                   GSE16522_ANTI_CD3CD28_STIM_VS_UNSTIM_NAIVE_CD8_TCELL_DN, GSE16522_ANTI_CD3CD28_STIM_VS_UNSTIM_NAIVE_CD8_TCELL_DN
                                                                                                   GOCC_U2_TYPE_SPLICEOSOMAL_COMPLEX, GOCC_U2_TYPE_SPLICEOSOMAL_COMPLEX
                                                                                                   FAN_EMBRYONIC_CTX_BIG_GROUPS_BRAIN_IMMUNE, FAN_EMBRYONIC_CTX_BIG_GROUPS_BRAIN_IMMUNE
                                                                                                   GSE15330_WT_VS_IKAROS_KO_LYMPHOID_MULTIPOTENT_PROGENITOR_DN, GSE15330_WT_VS_IKAROS_KO_LYMPHOID_MULTIPOTENT_PROGENITOR_DN
                                                                                                   GSE7831_UNSTIM_VS_CPG_STIM_PDC_1H_UP, GSE7831_UNSTIM_VS_CPG_STIM_PDC_1H_UP
                                                                                                   GSE6269 HEALTHY_VS_E_COLI_INF_PBMC_UP, GSE6269_HEALTHY_VS_E_COLI_INF_PBMC_UP
                                                                                                   HAHTOLA_MYCOSIS_FUNGOIDES_SKIN_UP, HAHTOLA_MYCOSIS_FUNGOIDES_SKIN_UP
                                                                                                   BROWNE_HCMV_INFECTION_14HR_UP, BROWNE_HCMV_INFECTION_14HR_UP
                                                                                                   GSE6259_BCELL_VS_CD4_TCELL_UP, GSE6259_BCELL_VS_CD4_TCELL_UP
                                                                                                   GSE3039_ALPHAALPHA_CD8_TCELL_VS_B2_BCELL_UP, GSE3039_ALPHAALPHA_CD8_TCELL_VS_B2_BCELL_UP
                                                                                                   GSE45739_UNSTIM_VS_ACD3_ACD28_STIM_WT_CD4_TCELL_DN, GSE45739_UNSTIM_VS_ACD3_ACD28_STIM_WT_CD4_TCELL_DN
                                                                                                   GSE20500_CTRL_VS_RARA_ANTAGONIST_TREATED_CD4_TCELL_UP, GSE20500_CTRL_VS_RARA_ANTAGONIST_TREATED_CD4_TCELL_UP
                                                                                                   GSE10325_BCELL_VS_MYELOID_UP, GSE10325_BCELL_VS_MYELOID_UP
                                                                                                   FAN_EMBRYONIC_CTX_BRAIN_NAIVE_LIKE_T_CELL, FAN_EMBRYONIC_CTX_BRAIN_NAIVE_LIKE_T_CELL
                                                                                                   GSE21927_SPLEEN_VS_TUMOR_MONOCYTE_BALBC_DN, GSE21927_SPLEEN_VS_TUMOR_MONOCYTE_BALBC_DN
                                                                                                   GSE3982_DC_VS_EFF_MEMORY_CD4_TCELL_DN, GSE3982_DC_VS_EFF_MEMORY_CD4_TCELL_DN
                                                                                                   GSE21380_TFH_VS_GERMINAL_CENTER_TFH_CD4_TCELL_DN, GSE21380_TFH_VS_GERMINAL_CENTER_TFH_CD4_TCELL_DN
                                                                                                   GSE39820_TGFBETA1_VS_TGFBETA3_IN_IL6_TREATED_CD4_TCELL_DN, GSE39820_TGFBETA1_VS_TGFBETA3_IN_IL6_TREATED_CD4_TCELL_DN
                                                                                                   GSE17721_0.5H_VS_24H_LPS_BMDC_UP, GSE17721_0.5H_VS_24H_LPS_BMDC_UP
                                                                                                   TRAVAGLINI_LUNG_CD8_NAIVE_T_CELL, TRAVAGLINI_LUNG_CD8_NAIVE_T_CELL
                                                                                                   ACOSTA_PROLIFERATION_INDEPENDENT_MYC_TARGETS_UP, ACOSTA_PROLIFERATION_INDEPENDENT_MYC_TARGETS_UP
                                                                                                   GSE23114_PERITONEAL_CAVITY_B1A_BCELL_VS_SPLEEN_BCELL_IN_SLE2C1_MOUSE_UP, GSE23114_PERITONEAL_CAVITY_B1A_BCELL_VS_SPLEEN_BCELL_IN_SLE2C1_MOUSE_UP
                                                                                                   MODULE_147, MODULE_147
                                                                                                   PID_P53_REGULATION_PATHWAY, PID_P53_REGULATION_PATHWAY
                                                                                                   PID_MYC_ACTIV_PATHWAY, PID_MYC_ACTIV_PATHWAY
                                                                                                   NIKOLSKY_BREAST_CANCER_11Q12_Q14_AMPLICON, NIKOLSKY_BREAST_CANCER_11Q12_Q14_AMPLICON
                                                                                                   GNF2_ELAC2, GNF2_ELAC2
                                                                                                   GSE27291_0H_VS_6H_STIM_GAMMADELTA_TCELL_UP, GSE27291_0H_VS_6H_STIM_GAMMADELTA_TCELL_UP
                                                                                                   DACOSTA_UV_RESPONSE_VIA_ERCC3_TTD_UP, DACOSTA_UV_RESPONSE_VIA_ERCC3_TTD_UP
                                                                                                   GOMF_CHAPERONE_BINDING, GOMF_CHAPERONE_BINDING
                                                                                                   CRGAARNNNNCGA_UNKNOWN, CRGAARNNNNCGA_UNKNOWN
                                                                                                   MORF_ARAF1, MORF_ARAF1
                                                                                                   GSE21546_WT_VS_ELK1_KO_DP_THYMOCYTES_DN, GSE21546_WT_VS_ELK1_KO_DP_THYMOCYTES_DN
                                                                                                   GNF2_PTPN6, GNF2_PTPN6
                                                                                                   GSE3920_UNTREATED_VS_IFNG_TREATED_FIBROBLAST_UP, GSE3920_UNTREATED_VS_IFNG_TREATED_FIBROBLAST_UP
                                                                                                   LIN APC TARGETS, LIN APC TARGETS
                                                                                                   GOBP_REGULATION_OF_RESPONSE_TO_CYTOKINE_STIMULUS, GOBP_REGULATION_OF_RESPONSE_TO_CYTOKINE_STIMULUS
                                                                                                   GOBP_AUTOPHAGY_OF_MITOCHONDRION, GOBP_AUTOPHAGY_OF_MITOCHONDRION
                                                                                                   FERRANDO_T_ALL_WITH_MLL_ENL_FUSION_UP, FERRANDO_T_ALL_WITH_MLL_ENL_FUSION_UP
                                                                                                    AIZARANI_LIVER_C5_NK_NKT_CELLS_3, AIZARANI_LIVER_C5_NK_NKT_CELLS_3
                                                                                                   GOBP_CELLULAR_RESPONSE_TO_IONIZING_RADIATION, GOBP_CELLULAR_RESPONSE_TO_IONIZING_RADIATION
                                                                                                   REACTOME_POTENTIAL_THERAPEUTICS_FOR_SARS, REACTOME_POTENTIAL_THERAPEUTICS_FOR_SARS
                                                                                                    HP_RED_EYE, HP_RED_EYE
                                                                                                   PROVENZANI_METASTASIS_DN, PROVENZANI_METASTASIS_DN
                                                                                                   WP_7Q1123_COPY_NUMBER_VARIATION_SYNDROME, WP_7Q1123_COPY_NUMBER_VARIATION_SYNDROME
                                                                                                   MCM2_TARGET_GENES, MCM2_TARGET_GENES
                                                                                                   AGCTCCT_MIR28, AGCTCCT_MIR28
                                                                                                   HP_OVERLAPPING_TOE, HP_OVERLAPPING_TOE
                                                                                                   GOBP_SELECTIVE_AUTOPHAGY, GOBP_SELECTIVE_AUTOPHAGY
                                                                                                   GNF2_ITGAL, GNF2_ITGAL
                                                                                                   DESCARTES_FETAL_STOMACH_LYMPHOID_CELLS, DESCARTES_FETAL_STOMACH_LYMPHOID_CELLS
                                                                                                    HP_ABNORMAL_CORNEAL_EPITHELIUM_MORPHOLOGY, HP_ABNORMAL_CORNEAL_EPITHELIUM_MORPHOLOGY
                                                                                                    DURANTE_ADULT_OLFACTORY_NEUROEPITHELIUM_NK_CELLS, DURANTE_ADULT_OLFACTORY_NEUROEPITHELIUM_NK_CELLS
                                                                                                   GSE3982_CTRL_VS_LPS_1H_NEUTROPHIL_DN, GSE3982_CTRL_VS_LPS_1H_NEUTROPHIL_DN
                                                                                                   GSE15659_NAIVE_VS_PTPRC_NEG_CD4_TCELL_UP, GSE15659_NAIVE_VS_PTPRC_NEG_CD4_TCELL_UP
                                                                                                   RAPA_EARLY_UP.V1_DN, RAPA_EARLY_UP.V1_DN
                                                                                                   GSE29949_MICROGLIA_BRAIN_VS_MONOCYTE_BONE_MARROW_UP, GSE29949_MICROGLIA_BRAIN_VS_MONOCYTE_BONE_MARROW_UP
                                                                                                    FAN_EMBRYONIC_CTX_BRAIN_B_CELL, FAN_EMBRYONIC_CTX_BRAIN_B_CELL
                                                                                                    WP_SENESCENCE_AND_AUTOPHAGY_IN_CANCER, WP_SENESCENCE_AND_AUTOPHAGY_IN_CANCER
                                                                                                   GOBP_CHAPERONE_MEDIATED_PROTEIN_FOLDING, GOBP_CHAPERONE_MEDIATED_PROTEIN_FOLDING
                                                                                                    GSE21927_EL4_VS_MCA203_TUMOR_MONOCYTES_UP, GSE21927_EL4_VS_MCA203_TUMOR_MONOCYTES_UP
                                                                                                    JAZAERI_BREAST_CANCER_BRCA1_VS_BRCA2_UP, JAZAERI_BREAST_CANCER_BRCA1_VS_BRCA2_UP
                                                                                                    HP_VERTEBRAL_SEGMENTATION_DEFECT, HP_VERTEBRAL_SEGMENTATION_DEFECT
                                                                                                    WP_THE_EFFECT_OF_PROGERIN_ON_THE_INVOLVED_GENES_IN_HUTCHINSONGILFORD_PROGERIA_SYNDROME, WP_THE_EFFECT_OF_PROGERIN_ON_THE_INVOLVED_GENES_IN_HUTCHINSONGILFORD_PROGERIA_SYNDROME
                                                                                                   GSE18281_SUBCAPSULAR_CORTICAL_REGION_VS_WHOLE_CORTEX_THYMUS_DN, GSE18281_SUBCAPSULAR_CORTICAL_REGION_VS_WHOLE_CORTEX_THYMUS_DN
                                                                                                   PID_TCR_PATHWAY, PID_TCR_PATHWAY
                                                                                                   GAO_STOMACH_24W_C1_PROCRPOS_MULTIPOTENT_PROGENITOR, GAO_STOMACH_24W_C1_PROCRPOS_MULTIPOTENT_PROGENITOR
                                                                                                   GCM_MSN, GCM_MSN
                                                                                                   PID_CDC42_PATHWAY, PID_CDC42_PATHWAY
                                                                                                   WP_G13_SIGNALING_PATHWAY, WP_G13_SIGNALING_PATHWAY
                                                                                                    FAELT_B_CLL_WITH_VH3_21_UP, FAELT_B_CLL_WITH_VH3_21_UP
                                                                                                   DESCARTES_FETAL_LUNG_LYMPHOID_CELLS, DESCARTES_FETAL_LUNG_LYMPHOID_CELLS
                                                                                                    PID_ERBB1_RECEPTOR_PROXIMAL_PATHWAY, PID_ERBB1_RECEPTOR_PROXIMAL_PATHWAY
                                                                                                   GNF2_CD48, GNF2_CD48
                                                                                                   GOBP_RESPONSE_TO_TYPE_I_INTERFERON, GOBP_RESPONSE_TO_TYPE_I_INTERFERON
                                                                                                   REACTOME_INTERLEUKIN_12_FAMILY_SIGNALING, REACTOME_INTERLEUKIN_12_FAMILY_SIGNALING
                                                                                                   BUSSLINGER_DUODENAL_TUFT_CELLS, BUSSLINGER_DUODENAL_TUFT_CELLS
                                                                                                   GOBP_NEGATIVE_REGULATION_OF_MYELOID_CELL_DIFFERENTIATION, GOBP_NEGATIVE_REGULATION_OF_MYELOID_CELL_DIFFERENTIATION
                                                                                                   GOBP RESPONSE TO INTERLEUKIN 12, GOBP RESPONSE TO INTERLEUKIN 12
                                                                                                   STAMBOLSKY_TARGETS_OF_MUTATED_TP53_UP, STAMBOLSKY_TARGETS_OF_MUTATED_TP53_UP
                                                                                                   HP_HALLUX_VALGUS, HP_HALLUX_VALGUS
                                                                                                   REACTOME_INTERLEUKIN_12_SIGNALING, REACTOME_INTERLEUKIN_12_SIGNALING
                                                                                                   WP_NOVEL_INTRACELLULAR_COMPONENTS_OF_RIGILIKE_RECEPTOR_RLR_PATHWAY, WP_NOVEL_INTRACELLULAR_COMPONENTS_OF_RIGILIKE_RECEPTOR_RLR_PATHWAY
                                                                                                   GOBP_REGULATION_OF_ANTIGEN_RECEPTOR_MEDIATED_SIGNALING_PATHWAY, GOBP_REGULATION_OF_ANTIGEN_RECEPTOR_MEDIATED_SIGNALING_PATHWAY
                                                                                                   HP_POOR_SUCK, HP_POOR_SUCK
                                                                                                   GOMF_DISULFIDE_OXIDOREDUCTASE_ACTIVITY, GOMF_DISULFIDE_OXIDOREDUCTASE_ACTIVITY
                                                                                                   GOBP REGULATION OF T CELL RECEPTOR SIGNALING PATHWAY, GOBP REGULATION OF T CELL RECEPTOR SIGNALING PATHWAY
                                                                                                   PID_MYC_PATHWAY, PID_MYC_PATHWAY
                                                                                                   REACTOME_REGULATION_OF_TP53_ACTIVITY_THROUGH_ACETYLATION, REACTOME_REGULATION_OF_TP53_ACTIVITY_THROUGH_ACETYLATION
                                                                                                   HOFMANN_MYELODYSPLASTIC_SYNDROM_LOW_RISK_DN, HOFMANN_MYELODYSPLASTIC_SYNDROM_LOW_RISK_DN
                                                                                                    HP_DYSPLASTIC_CORPUS_CALLOSUM, HP_DYSPLASTIC_CORPUS_CALLOSUM
                                                                                                   GOBP_T_CELL_DIFFERENTIATION_IN_THYMUS, GOBP_T_CELL_DIFFERENTIATION_IN_THYMUS
                                                                                                   GOBP_REGULATION_OF_TYPE_I_INTERFERON_MEDIATED_SIGNALING_PATHWAY, GOBP_REGULATION_OF_TYPE_I_INTERFERON_MEDIATED_SIGNALING_PATHWAY
                                                                                                   ASTIER_INTEGRIN_SIGNALING, ASTIER_INTEGRIN_SIGNALING
                                                                                                   GOBP_CELLULAR_RESPONSE_TO_GAMMA_RADIATION, GOBP_CELLULAR_RESPONSE_TO_GAMMA_RADIATION
                                                                                                   WP_MET_IN_TYPE_1_PAPILLARY_RENAL_CELL_CARCINOMA, WP_MET_IN_TYPE_1_PAPILLARY_RENAL_CELL_CARCINOMA
                                                                                                   GSE26928_EFF_MEMORY_VS_CXCR5_POS_CD4_TCELL_UP, GSE26928_EFF_MEMORY_VS_CXCR5_POS_CD4_TCELL_UP
                                                                                                   PID_CD8_TCR_PATHWAY, PID_CD8_TCR_PATHWAY
                                                                                                   REACTOME_GENE_AND_PROTEIN_EXPRESSION_BY_JAK_STAT_SIGNALING_AFTER_INTERLEUKIN_12_STIMULATION, REACTOME_GENE_AND_PROTEIN_EXPRESSION_BY_JAK_STAT_SIGNALING_AFTER_INTERLEUKIN_12_STIMULATION
                                                                                                   HU_GENOTOXIC_DAMAGE_24HR, HU_GENOTOXIC_DAMAGE_24HR
                                                                                                   REACTOME_EPHB_MEDIATED_FORWARD_SIGNALING, REACTOME_EPHB_MEDIATED_FORWARD_SIGNALING
                                                                                                   ROVERSI_GLIOMA_COPY_NUMBER_UP, ROVERSI_GLIOMA_COPY_NUMBER_UP
                                                                                                   GOBP_POSITIVE_REGULATION_OF_CYTOKINE_PRODUCTION_INVOLVED_IN_IMMUNE_RESPONSE, GOBP_POSITIVE_REGULATION_OF_CYTOKINE_PRODUCTION_INVOLVED_IN_IMMUNE_RESPONSE
                                                                                                   GSE15659_RESTING_TREG_VS_NONSUPPRESSIVE_TCELL_UP, GSE15659_RESTING_TREG_VS_NONSUPPRESSIVE_TCELL_UP
                                                                                                   GOBP_REGULATION_OF_ALPHA_BETA_T_CELL_ACTIVATION, GOBP_REGULATION_OF_ALPHA_BETA_T_CELL_ACTIVATION
                                                                                                   SRF_01, SRF_01
                                                                                                   GSE15659_CD45RA_NEG_CD4_TCELL_VS_ACTIVATED_TREG_UP, GSE15659_CD45RA_NEG_CD4_TCELL_VS_ACTIVATED_TREG_UP
                                                                                                    HP_SLEEP_APNEA, HP_SLEEP_APNEA
                                                                                                   HP_PROMINENT_OCCIPUT, HP_PROMINENT_OCCIPUT
                                                                                                    HP_DYSCALCULIA, HP_DYSCALCULIA
                                                                                                   HU_GENOTOXIN_ACTION_DIRECT_VS_INDIRECT_4HR, HU_GENOTOXIN_ACTION_DIRECT_VS_INDIRECT_4HR
                                                                                                   DELPUECH_FOXO3_TARGETS_UP, DELPUECH_FOXO3_TARGETS_UP
                                                                                                   STEARMAN_LUNG_CANCER_EARLY_VS_LATE_DN, STEARMAN_LUNG_CANCER_EARLY_VS_LATE_DN
                                                                                                   GOBP_CHAPERONE_COFACTOR_DEPENDENT_PROTEIN_REFOLDING, GOBP_CHAPERONE_COFACTOR_DEPENDENT_PROTEIN_REFOLDING
                                                                                                   OUYANG_PROSTATE_CANCER_PROGRESSION_UP, OUYANG_PROSTATE_CANCER_PROGRESSION_UP
                                                                                                   GCM_FANCC, GCM_FANCC
                                                                                                   NAGY_TFTC_COMPONENTS_HUMAN, NAGY_TFTC_COMPONENTS_HUMAN
                                                                                                   HP_3_METHYLGLUTACONIC_ACIDURIA, HP_3_METHYLGLUTACONIC_ACIDURIA
                                                                                                   GOCC_PRESPLICEOSOME, GOCC_PRESPLICEOSOME
                                                                                                   REACTOME_ZBP1_DAI_MEDIATED_INDUCTION_OF_TYPE_I_IFNS, REACTOME_ZBP1_DAI_MEDIATED_INDUCTION_OF_TYPE_I_IFNS
                                                                                                   GOCC_TRANSCRIPTION_FACTOR_TFTC_COMPLEX, GOCC_TRANSCRIPTION_FACTOR_TFTC_COMPLEX
                                                                                                   BIOCARTA_RHO_PATHWAY, BIOCARTA_RHO_PATHWAY
                                                                                                   GOBP_INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_IN_RESPONSE_TO_OXIDATIVE_STRESS, GOBP_INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_IN_RESPONSE_TO_OXIDATIVE_STRESS
                                                                                                   GOMF_PHOSPHATIDYLINOSITOL_3_KINASE_BINDING, GOMF_PHOSPHATIDYLINOSITOL_3_KINASE_BINDING
                                                                                                   MODULE_419, MODULE_419
                                                                                                   GOBP REGULATION OF RUFFLE ASSEMBLY, GOBP REGULATION OF RUFFLE ASSEMBLY
                                                                                                   GOBP_NADP_METABOLIC_PROCESS, GOBP_NADP_METABOLIC_PROCESS
                                                                                                   HP_OSTEOARTHRITIS, HP_OSTEOARTHRITIS
                                                                                                   HP_THORACIC_SCOLIOSIS, HP_THORACIC_SCOLIOSIS
                                                                                                   POMEROY_MEDULLOBLASTOMA_PROGNOSIS_UP, POMEROY_MEDULLOBLASTOMA_PROGNOSIS_UP
                                                                                                   GOMF_STEROID_BINDING, GOMF_STEROID_BINDING
                                                                                                   GOMF_ALCOHOL_BINDING, GOMF_ALCOHOL_BINDING
                                                                                                   HP_PALPEBRAL_EDEMA, HP_PALPEBRAL_EDEMA
                                                                                                   ZNF16_TARGET_GENES, ZNF16_TARGET_GENES
                                                                                                   HP_DISPROPORTIONATE_SHORT_TRUNK_SHORT_STATURE, HP_DISPROPORTIONATE_SHORT_TRUNK_SHORT_STATURE
                                                                                                   REACTOME_TP53_REGULATES_TRANSCRIPTION_OF_ADDITIONAL_CELL_CYCLE_GENES_WHOSE_EXACT_ROLE_IN_THE_P53_PATHWAY_REMAIN_UNCERTAIN, REACTOME_TP53_REGULATES_TRANSCRIPTION_OF_ADDITIONAL_CELL_CYCLE_GENES_WHOSE_EXACT_ROLE_IN_THE_
                                                                                                   GOBP_LYMPHOCYTE_COSTIMULATION, GOBP_LYMPHOCYTE_COSTIMULATION
                                                                                                   GOBP_FIBROBLAST_APOPTOTIC_PROCESS, GOBP_FIBROBLAST_APOPTOTIC_PROCESS
                                                                                                   REACTOME_ION_TRANSPORT_BY_P_TYPE_ATPASES, REACTOME_ION_TRANSPORT_BY_P_TYPE_ATPASES
                                                                                                   GOCC_POST_MRNA_RELEASE_SPLICEOSOMAL_COMPLEX, GOCC_POST_MRNA_RELEASE_SPLICEOSOMAL_COMPLEX
                                                                                                    HP_PERSEVERATION, HP_PERSEVERATION
                                                                                                   GOBP_POSITIVE_REGULATION_OF_NEURON_APOPTOTIC_PROCESS, GOBP_POSITIVE_REGULATION_OF_NEURON_APOPTOTIC_PROCESS
                                                                                                   GOBP_NEGATIVE_REGULATION_OF_ERYTHROCYTE_DIFFERENTIATION, GOBP_NEGATIVE_REGULATION_OF_ERYTHROCYTE_DIFFERENTIATION
                                                                                                   GOBP_GOLGI_LOCALIZATION, GOBP_GOLGI_LOCALIZATION
                                                                                                    OVSYANNIKOVA_PBMC_FLUARIX_AGE_55_64YO_RESPONDERS_VS_NONRESPONDERS_0DY_UP, OVSYANNIKOVA_PBMC_FLUARIX_AGE_55_64YO_RESPONDERS_VS_NONRESPONDERS_0DY_UP
                                                                                                    MODULE_524, MODULE_524
                                                                                                    HP_INTESTINAL_PSEUDO_OBSTRUCTION, HP_INTESTINAL_PSEUDO_OBSTRUCTION
                                                                                                    HP_APLASIA_HYPOPLASIA_OF_THE_FEMUR, HP_APLASIA_HYPOPLASIA_OF_THE_FEMUR
                                                                                                    SCHLINGEMANN_SKIN_CARCINOGENESIS_TPA_UP, SCHLINGEMANN_SKIN_CARCINOGENESIS_TPA_UP
                                                                                                    BAE_BRCA1_TARGETS_DN, BAE_BRCA1_TARGETS_DN
                                                                                                   REACTOME_CONSTITUTIVE_SIGNALING_BY_OVEREXPRESSED_ERBB2, REACTOME_CONSTITUTIVE_SIGNALING_BY_OVEREXPRESSED_ERBB2
                                                                                                    GOBP_NEGATIVE_REGULATION_OF_T_CELL_RECEPTOR_SIGNALING_PATHWAY, GOBP_NEGATIVE_REGULATION_OF_T_CELL_RECEPTOR_SIGNALING_PATHWAY
                                                                                                   GOBP_RESPONSE_TO_MITOCHONDRIAL_DEPOLARISATION, GOBP_RESPONSE_TO_MITOCHONDRIAL_DEPOLARISATION
                                                                                                    GOBP_FATTY_ACYL_COA_BIOSYNTHETIC_PROCESS, GOBP_FATTY_ACYL_COA_BIOSYNTHETIC_PROCESS
                                                                                                    GOBP_ALPHA_BETA_T_CELL_PROLIFERATION, GOBP_ALPHA_BETA_T_CELL_PROLIFERATION
                                                                                                    DURANTE ADULT OLFACTORY NEUROEPITHELIUM CD8 T CELLS, DURANTE ADULT OLFACTORY NEUROEPITHELIUM CD8 T CELLS
                                                                                                   GOBP_HISTONE_H2B_UBIQUITINATION, GOBP_HISTONE_H2B_UBIQUITINATION
                                                                                                    HP LACK OF SKIN ELASTICITY, HP LACK OF SKIN ELASTICITY
                                                                                                   HASLINGER_B_CLL_WITH_17P13_DELETION, HASLINGER_B_CLL_WITH_17P13_DELETION
                                                                                                   GOBP_MRNA_SPLICE_SITE_SELECTION, GOBP_MRNA_SPLICE_SITE_SELECTION
S_TYPE_2_DIABETES_PBMC_AT_DX_UP, GSE9006_TYPE_1_VS_TYPE_2_DIABETES_PBMC_AT_DX_UP
                                                                                                   CHARAFE BREAST CANCER BASAL VS MESENCHYMAL UP, CHARAFE BREAST CANCER BASAL VS MESENCHYMAL UP
                                                                                                   HP_AUTOIMMUNE_THROMBOCYTOPENIA, HP_AUTOIMMUNE_THROMBOCYTOPENIA
                                                                                                    DESCARTES MAIN FETAL LYMPHOID CELLS, DESCARTES MAIN FETAL LYMPHOID CELLS
                                                                                                   REACTOME_EFFECTS_OF_PIP2_HYDROLYSIS, REACTOME_EFFECTS_OF_PIP2_HYDROLYSIS
                                                                                                   GOBP_CYTOPLASMIC_SEQUESTERING_OF_PROTEIN, GOBP_CYTOPLASMIC_SEQUESTERING_OF_PROTEIN
                                                                                                    HP_ABNORMAL_URINE_CARBOHYDRATE_LEVEL, HP_ABNORMAL_URINE_CARBOHYDRATE_LEVEL
                                                                                                    BIOCARTA_P53HYPOXIA_PATHWAY, BIOCARTA_P53HYPOXIA_PATHWAY
                                                                                                    BUCASAS\_PBMC\_FLUARIX\_FLUVIRIN\_CAUCASIAN\_MALE\_AGE\_18\_40YO\_HIGH\_RESPONDERS\_1DY\_TOP\_FUNCTIONAL\_NETWORK\_POSITIVE, BUCASAS\_PBMC\_FLUARIX\_FLUVIRIN\_CAUCASIAN\_MALE\_AGE\_18\_40YO\_HIGH\_RESPONDERS\_1DY\_TOP\_FUNCTIONAL\_NETWORK\_POSITIVE
                                                                                                    GOBP_NEGATIVE_REGULATION_OF_ANTIGEN_RECEPTOR_MEDIATED_SIGNALING_PATHWAY, GOBP_NEGATIVE_REGULATION_OF_ANTIGEN_RECEPTOR_MEDIATED_SIGNALING_PATHWAY
                                                                                                    GOBP_THYMIC_T_CELL_SELECTION, GOBP_THYMIC_T_CELL_SELECTION
                                                                                                    PID_RAS_PATHWAY, PID_RAS_PATHWAY
                                                                                                    GOBP_SPLICEOSOMAL_TRI_SNRNP_COMPLEX_ASSEMBLY, GOBP_SPLICEOSOMAL_TRI_SNRNP_COMPLEX_ASSEMBLY
                                                                                                    HP_MUSCLE_FIBER_ATROPHY, HP_MUSCLE_FIBER_ATROPHY
                                                                                                    REACTOME_SIGNALING_BY_ERBB2_ECD_MUTANTS, REACTOME_SIGNALING_BY_ERBB2_ECD_MUTANTS
                                                                                                    GOBP PROTEIN PEPTIDYL PROLYL ISOMERIZATION, GOBP PROTEIN PEPTIDYL PROLYL ISOMERIZATION
                                                                                                    MODULE_519, MODULE_519
                                                                                                   GOBP ANOIKIS, GOBP ANOIKIS
                                                                                                    SOBOLEV_T_CELL_PANDEMRIX_AGE_18_64YO_1DY_UP, SOBOLEV_T_CELL_PANDEMRIX_AGE_18_64YO_1DY_UP
                                                                                                    GOMF_PEPTIDE_DISULFIDE_OXIDOREDUCTASE_ACTIVITY, GOMF_PEPTIDE_DISULFIDE_OXIDOREDUCTASE_ACTIVITY
                                                                                                    BANDRES_RESPONSE_TO_CARMUSTIN_WITHOUT_MGMT_48HR_DN, BANDRES_RESPONSE_TO_CARMUSTIN_WITHOUT_MGMT_48HR_DN
                                                                                                   SCHLINGEMANN_SKIN_CARCINOGENESIS_TPA_DN, SCHLINGEMANN_SKIN_CARCINOGENESIS_TPA_DN
                                                                                                   GHO_ATF5_TARGETS_DN, GHO_ATF5_TARGETS_DN
                                                                                                   SOBOLEV_T_CELL_PANDEMRIX_AGE_18_64YO_7DY_DN, SOBOLEV_T_CELL_PANDEMRIX_AGE_18_64YO_7DY_DN
                                                                                                   HP_FURROWED_TONGUE, HP_FURROWED_TONGUE
                                                                                                    ABRAHAM_ALPC_VS_MULTIPLE_MYELOMA_DN, ABRAHAM_ALPC_VS_MULTIPLE_MYELOMA_DN
                                                                                                   PACHER_TARGETS_OF_IGF1_AND_IGF2_UP, PACHER_TARGETS_OF_IGF1_AND_IGF2_UP
                                                                                                   BANDRES_RESPONSE_TO_CARMUSTIN_MGMT_48HR_DN, BANDRES_RESPONSE_TO_CARMUSTIN_MGMT_48HR_DN
                                                                                                   REACTOME_FORMATION_OF_SENESCENCE_ASSOCIATED_HETEROCHROMATIN_FOCI_SAHF, REACTOME_FORMATION_OF_SENESCENCE_ASSOCIATED_HETEROCHROMATIN_FOCI_SAHF
                                                                                                   GOBP_INFLAMMATORY_CELL_APOPTOTIC_PROCESS, GOBP_INFLAMMATORY_CELL_APOPTOTIC_PROCESS
                                                                                                   NIKOLSKY_BREAST_CANCER_16P13_AMPLICON, NIKOLSKY_BREAST_CANCER_16P13_AMPLICON
                                                                                                   HP_NUMEROUS_NEVI, HP_NUMEROUS_NEVI
                                                                                                   GOBP_CYTOPLASMIC_SEQUESTERING_OF_TRANSCRIPTION_FACTOR, GOBP_CYTOPLASMIC_SEQUESTERING_OF_TRANSCRIPTION_FACTOR
                                                                                                   REACTOME_PENTOSE_PHOSPHATE_PATHWAY, REACTOME_PENTOSE_PHOSPHATE_PATHWAY
                                                                                                   MODULE 236, MODULE 236
                                                                                                   HP_THICK_UPPER_LIP_VERMILION, HP_THICK_UPPER_LIP_VERMILION
                                                                                                   HP_OVERGROWTH, HP_OVERGROWTH
                                                                                                   GOBP_NADPH_REGENERATION, GOBP_NADPH_REGENERATION
                                                                                                   LEE_CALORIE_RESTRICTION_NEOCORTEX_UP, LEE_CALORIE_RESTRICTION_NEOCORTEX_UP
                                                                                                   HP_RECURRENT_CANDIDA_INFECTIONS, HP_RECURRENT_CANDIDA_INFECTIONS
                                                                                                   GOBP_MRNA_TRANSCRIPTION, GOBP_MRNA_TRANSCRIPTION
                                                                                                   REACTOME_COSTIMULATION_BY_THE_CD28_FAMILY, REACTOME_COSTIMULATION_BY_THE_CD28_FAMILY
                                                                                                   HP_VELOPHARYNGEAL_INSUFFICIENCY, HP_VELOPHARYNGEAL_INSUFFICIENCY
                                                                                                   HP BARREL SHAPED CHEST, HP BARREL SHAPED CHEST
                                                                                                   GOCC_PRP19_COMPLEX, GOCC_PRP19_COMPLEX
                                                                                                   HP_APLASIA_HYPOPLASIA_INVOLVING_THE_FEMORAL_HEAD_AND_NECK, HP_APLASIA_HYPOPLASIA_INVOLVING_THE_FEMORAL_HEAD_AND_NECK
                                                                                                   MEDINA SMARCA4 TARGETS, MEDINA SMARCA4 TARGETS
                                                                                                   GNF2_ZAP70, GNF2_ZAP70
                                                                                                   GOBP MITOTIC CELL CYCLE ARREST, GOBP MITOTIC CELL CYCLE ARREST
                                                                                                    HP_SECONDARY_GROWTH_HORMONE_DEFICIENCY, HP_SECONDARY_GROWTH_HORMONE_DEFICIENCY
                                                                                                   GOBP_REGULATION_OF_CYSTEINE_TYPE_ENDOPEPTIDASE_ACTIVITY_INVOLVED_IN_APOPTOTIC_SIGNALING_PATHWAY, GOBP_REGULATION_OF_CYSTEINE_TYPE_ENDOPEPTIDASE_ACTIVITY_INVOLVED_IN_APOPTOTIC_SIGNALING_PATHWAY
                                                                                                   FULLER_PBMC_F_TULARENSIS_VACCINE_LVS_AGE_22_54YO_18HR_TO_48HR_EARLY_DN, FULLER_PBMC_F_TULARENSIS_VACCINE_LVS_AGE_22_54YO_18HR_TO_48HR_EARLY_DN
                                                                                                   HP SUBACUTE PROGRESSIVE VIRAL HEPATITIS, HP SUBACUTE PROGRESSIVE VIRAL HEPATITIS
                                                                                                   GOCC_CATALYTIC_STEP_1_SPLICEOSOME, GOCC_CATALYTIC_STEP_1_SPLICEOSOME
                                                                                                    DURANTE_ADULT_OLFACTORY_NEUROEPITHELIUM_B_CELLS, DURANTE_ADULT_OLFACTORY_NEUROEPITHELIUM_B_CELLS
                                                                                                    GOBP_POSITIVE_T_CELL_SELECTION, GOBP_POSITIVE_T_CELL_SELECTION
                                                                                                   GOBP_REGULATION_OF_AUTOPHAGY_OF_MITOCHONDRION_IN_RESPONSE_TO_MITOCHONDRIAL_DEPOLARIZATION, GOBP_REGULATION_OF_AUTOPHAGY_OF_MITOCHONDRION_IN_RESPONSE_TO_MITOCHONDRIAL_DEPOLARIZATION
                                                                                                   HP_DEEP_PLANTAR_CREASES, HP_DEEP_PLANTAR_CREASES
                                                                                                    HP_CHRONIC_MUCOCUTANEOUS_CANDIDIASIS, HP_CHRONIC_MUCOCUTANEOUS_CANDIDIASIS
                                                                                                   GOBP_REGULATION_OF_PROTEIN_DEACETYLATION, GOBP_REGULATION_OF_PROTEIN_DEACETYLATION
                                                                                                   REACTOME_CONSTITUTIVE_SIGNALING_BY_EGFRVIII, REACTOME_CONSTITUTIVE_SIGNALING_BY_EGFRVIII
                                                                                                   GOBP_REGULATION_OF_DNA_DEPENDENT_DNA_REPLICATION_INITIATION, GOBP_REGULATION_OF_DNA_DEPENDENT_DNA_REPLICATION_INITIATION
                                                                                                   GOBP_POSITIVE_THYMIC_T_CELL_SELECTION, GOBP_POSITIVE_THYMIC_T_CELL_SELECTION
                                                                                                   HP_POOR_APPETITE, HP_POOR_APPETITE
                                                                                                   GNF2_PTPN4, GNF2_PTPN4
                                                                                                   HP_GASTROPARESIS, HP_GASTROPARESIS
                                                                                                   KEGG_RIG_I_LIKE_RECEPTOR_SIGNALING_PATHWAY, KEGG_RIG_I_LIKE_RECEPTOR_SIGNALING_PATHWAY
                                                                                                   HP_CONGENITAL_MALFORMATION_OF_THE_LEFT_HEART, HP_CONGENITAL_MALFORMATION_OF_THE_LEFT_HEART
                                                                                                   GOBP_GLUCOSE_6_PHOSPHATE_METABOLIC_PROCESS, GOBP_GLUCOSE_6_PHOSPHATE_METABOLIC_PROCESS
                                                                                                   HP_OBSTRUCTIVE_SLEEP_APNEA, HP_OBSTRUCTIVE_SLEEP_APNEA
                                                                                                   REACTOME_SIGNALING_BY_FGFR3_FUSIONS_IN_CANCER, REACTOME_SIGNALING_BY_FGFR3_FUSIONS_IN_CANCER
                                                                                                   SCIAN_CELL_CYCLE_TARGETS_OF_TP53_AND_TP73_UP, SCIAN_CELL_CYCLE_TARGETS_OF_TP53_AND_TP73_UP
                                                                                                   GCM SMARCD1, GCM SMARCD1
                                                                                                   WP_PENTOSE_PHOSPHATE_METABOLISM, WP_PENTOSE_PHOSPHATE_METABOLISM
                                                                                                   WP_ARYL_HYDROCARBON_RECEPTOR_PATHWAY, WP_ARYL_HYDROCARBON_RECEPTOR_PATHWAY
                                                                                                   WANG_BARRETTS_ESOPHAGUS_UP, WANG_BARRETTS_ESOPHAGUS_UP
                                                                                                   GOMF_ACTIN_MONOMER_BINDING, GOMF_ACTIN_MONOMER_BINDING
                                                                                                   HP_ABNORMALITY_OF_THE_PREMAXILLA, HP_ABNORMALITY_OF_THE_PREMAXILLA
                                                                                                   GOCC_POSTSYNAPTIC_RECYCLING_ENDOSOME, GOCC_POSTSYNAPTIC_RECYCLING_ENDOSOME
                                                                                                   GOMF_POLY_G_BINDING, GOMF_POLY_G_BINDING
                                                                                                   SA_G1_AND_S_PHASES, SA_G1_AND_S_PHASES
                                                                                                   PAX5_02, PAX5_02
                                                                                                   HP_HYPOPLASTIC_HEART, HP_HYPOPLASTIC_HEART
                                                                                                   HP_BRANCHIAL_ANOMALY, HP_BRANCHIAL_ANOMALY
                                                                                                   GOMF_TFIID_CLASS_TRANSCRIPTION_FACTOR_COMPLEX_BINDING, GOMF_TFIID_CLASS_TRANSCRIPTION_FACTOR_COMPLEX_BINDING
                                                                                                   GSE5589_WT_VS_IL6_KO_LPS_AND_IL10_STIM_MACROPHAGE_180MIN_UP, GSE5589_WT_VS_IL6_KO_LPS_AND_IL10_STIM_MACROPHAGE_180MIN_UP
                                                                                                   KYNG_ENVIRONMENTAL_STRESS_RESPONSE_NOT_BY_4NQO_IN_OLD, KYNG_ENVIRONMENTAL_STRESS_RESPONSE_NOT_BY_4NQO_IN_OLD
                                                                                                    HP GLOSSITIS, HP GLOSSITIS
                                                                                                   GOBP_REGULATION_OF_CHAPERONE_MEDIATED_AUTOPHAGY, GOBP_REGULATION_OF_CHAPERONE_MEDIATED_AUTOPHAGY
                                                                                                   GOMF_STEROL_TRANSFER_ACTIVITY, GOMF_STEROL_TRANSFER_ACTIVITY
                                                                                                   GOBP_PHOTOPERIODISM, GOBP_PHOTOPERIODISM
                                                                                                   SQSTM1_TARGET_GENES, SQSTM1_TARGET_GENES
                                                                                                   GOBP_POSITIVE_REGULATION_OF_PROTEIN_DEACETYLATION, GOBP_POSITIVE_REGULATION_OF_PROTEIN_DEACETYLATION
                                                                                                    HP_HYPOKALEMIA, HP_HYPOKALEMIA
                                                                                                   GOBP_MYELOID_CELL_APOPTOTIC_PROCESS, GOBP_MYELOID_CELL_APOPTOTIC_PROCESS
                                                                                                   REACTOME_RHOBTB3_ATPASE_CYCLE, REACTOME_RHOBTB3_ATPASE_CYCLE
                                                                                                    HP_ABNORMAL_BLOOD_POTASSIUM_CONCENTRATION, HP_ABNORMAL_BLOOD_POTASSIUM_CONCENTRATION
                                                                                                   GOBP_POSITIVE_REGULATION_OF_RUFFLE_ASSEMBLY, GOBP_POSITIVE_REGULATION_OF_RUFFLE_ASSEMBLY
                                                                                                   GOBP_POSITIVE_REGULATION_OF_ALPHA_BETA_T_CELL_PROLIFERATION, GOBP_POSITIVE_REGULATION_OF_ALPHA_BETA_T_CELL_PROLIFERATION
                                                                                                    HP_ABNORMALITY_OF_THE_PLANTAR_SKIN_OF_FOOT, HP_ABNORMALITY_OF_THE_PLANTAR_SKIN_OF_FOOT
                                                                                                    GOBP_INOSITOL_TRISPHOSPHATE_METABOLIC_PROCESS, GOBP_INOSITOL_TRISPHOSPHATE_METABOLIC_PROCESS
                                                                                                    REACTOME_SIGNALING_BY_FGFR4_IN_DISEASE, REACTOME_SIGNALING_BY_FGFR4_IN_DISEASE
                                                                                                    GOBP_POSITIVE_REGULATION_OF_LIPID_KINASE_ACTIVITY, GOBP_POSITIVE_REGULATION_OF_LIPID_KINASE_ACTIVITY
                                                                                                   GOBP_POSITIVE_REGULATION_BY_HOST_OF_VIRAL_PROCESS, GOBP_POSITIVE_REGULATION_BY_HOST_OF_VIRAL_PROCESS
                                                                                                   GNF2_CD7, GNF2_CD7
                                                                                                   GOBP_TORC2_SIGNALING, GOBP_TORC2_SIGNALING
                                                                                                   GOMF_PHOSPHATIDYLINOSITOL_TRANSFER_ACTIVITY, GOMF_PHOSPHATIDYLINOSITOL_TRANSFER_ACTIVITY
                                                                                                   BIOCARTA_TCAPOPTOSIS_PATHWAY, BIOCARTA_TCAPOPTOSIS_PATHWAY
                                                                                                   NAGY_PCAF_COMPONENTS_HUMAN, NAGY_PCAF_COMPONENTS_HUMAN
                                                                                                   HP_ARNOLD_CHIARI_TYPE_I_MALFORMATION, HP_ARNOLD_CHIARI_TYPE_I_MALFORMATION
                                                                                                   GOBP_PHOSPHORYLATION_OF_RNA_POLYMERASE_II_C_TERMINAL_DOMAIN, GOBP_PHOSPHORYLATION_OF_RNA_POLYMERASE_II_C_TERMINAL_DOMAIN
                                                                                                   GOBP_POSITIVE_REGULATION_OF_TYPE_I_INTERFERON_MEDIATED_SIGNALING_PATHWAY, GOBP_POSITIVE_REGULATION_OF_TYPE_I_INTERFERON_MEDIATED_SIGNALING_PATHWAY
                                                                                                   GOBP_REGULATION_OF_PROTEIN_LOCALIZATION_TO_ENDOSOME, GOBP_REGULATION_OF_PROTEIN_LOCALIZATION_TO_ENDOSOME
                                                                                                   HP_HEMIHYPERTROPHY, HP_HEMIHYPERTROPHY
                                                                                                   GOBP_SIGNAL_COMPLEX_ASSEMBLY, GOBP_SIGNAL_COMPLEX_ASSEMBLY
                                                                                                   GOCC_MHC_CLASS_I_PEPTIDE_LOADING_COMPLEX, GOCC_MHC_CLASS_I_PEPTIDE_LOADING_COMPLEX
                                                                                                   GOBP_RHYTHMIC_BEHAVIOR, GOBP_RHYTHMIC_BEHAVIOR
                                                                                                   GOBP_RESPONSE_TO_OXYGEN_RADICAL, GOBP_RESPONSE_TO_OXYGEN_RADICAL
                                                                                                   GOBP_MUSCLE_ADAPTATION, GOBP_MUSCLE_ADAPTATION
                                                                                                   GOBP_ENTRAINMENT_OF_CIRCADIAN_CLOCK, GOBP_ENTRAINMENT_OF_CIRCADIAN_CLOCK
                                                                                                   GOMF_CALCIUM_TRANSMEMBRANE_TRANSPORTER_ACTIVITY_PHOSPHORYLATIVE_MECHANISM, GOMF_CALCIUM_TRANSMEMBRANE_TRANSPORTER_ACTIVITY_PHOSPHORYLATIVE_MECHANISM
                                                                                                   GOBP_ACTIN_FILAMENT_SEVERING, GOBP_ACTIN_FILAMENT_SEVERING
                                                                                                   GOBP_POSITIVE_REGULATION_OF_HISTONE_DEACETYLATION, GOBP_POSITIVE_REGULATION_OF_HISTONE_DEACETYLATION
                                                                                                   DURANTE_ADULT_OLFACTORY_NEUROEPITHELIUM_CD4_T_CELLS, DURANTE_ADULT_OLFACTORY_NEUROEPITHELIUM_CD4_T_CELLS
                                                                                                   MODULE_56, MODULE_56
                                                                                                   ZNF530_TARGET_GENES, ZNF530_TARGET_GENES
                                                                                                   GOMF_ENDOPEPTIDASE_ACTIVATOR_ACTIVITY, GOMF_ENDOPEPTIDASE_ACTIVATOR_ACTIVITY
                                                                                                   GOBP_POSITIVE_REGULATION_OF_MIRNA_METABOLIC_PROCESS, GOBP_POSITIVE_REGULATION_OF_MIRNA_METABOLIC_PROCESS
                                                                                                   GOCC_U2AF_COMPLEX, GOCC_U2AF_COMPLEX
                                                                                                   GNF2_IL2RB, GNF2_IL2RB
                                                                                                   HP_ABNORMALITY_OF_EXOCRINE_PANCREAS_PHYSIOLOGY, HP_ABNORMALITY_OF_EXOCRINE_PANCREAS_PHYSIOLOGY
                                                                                                   GOMF_PROTEIN_DISULFIDE_ISOMERASE_ACTIVITY, GOMF_PROTEIN_DISULFIDE_ISOMERASE_ACTIVITY
                                                                                                   GOMF_INOSITOL_HEXAKISPHOSPHATE_KINASE_ACTIVITY, GOMF_INOSITOL_HEXAKISPHOSPHATE_KINASE_ACTIVITY
                                                                                                   HP_KNEE_DISLOCATION, HP_KNEE_DISLOCATION
                                                                                                   HP_THICK_CORPUS_CALLOSUM, HP_THICK_CORPUS_CALLOSUM
                                                                                                   GOBP_NEGATIVE_REGULATION_OF_ACTIN_NUCLEATION, GOBP_NEGATIVE_REGULATION_OF_ACTIN_NUCLEATION
                                                                                                   SPIELMAN_LYMPHOBLAST_EUROPEAN_VS_ASIAN_2FC_UP, SPIELMAN_LYMPHOBLAST_EUROPEAN_VS_ASIAN_2FC_UP
                                                                                                   REACTOME_MET_ACTIVATES_RAS_SIGNALING, REACTOME_MET_ACTIVATES_RAS_SIGNALING
                                                                                                   BUSSLINGER_GASTRIC_TUFT_CELLS, BUSSLINGER_GASTRIC_TUFT_CELLS
                                                                                                   GOMF_PROTON_EXPORTING_ATPASE_ACTIVITY_PHOSPHORYLATIVE_MECHANISM, GOMF_PROTON_EXPORTING_ATPASE_ACTIVITY_PHOSPHORYLATIVE_MECHANISM
                                                                                                   GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_LIGHTGREEN_DN, GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_LIGHTGREEN_DN
                                                                                                   REACTOME_SHC_RELATED_EVENTS_TRIGGERED_BY_IGF1R, REACTOME_SHC_RELATED_EVENTS_TRIGGERED_BY_IGF1R
                                                                                                   REACTOME_NR1H2_NR1H3_REGULATE_GENE_EXPRESSION_LINKED_TO_LIPOGENESIS, REACTOME_NR1H2_NR1H3_REGULATE_GENE_EXPRESSION_LINKED_TO_LIPOGENESIS
                                                                                                   REACTOME_MATURATION_OF_PROTEIN_3A, REACTOME_MATURATION_OF_PROTEIN_3A
                                                                                                   HP_RENAL_MAGNESIUM_WASTING, HP_RENAL_MAGNESIUM_WASTING
                                                                                                   GOMF SODIUM ION BINDING, GOMF SODIUM ION BINDING
                                                                                                   HP_INCREASED_MEGAKARYOCYTE_COUNT, HP_INCREASED_MEGAKARYOCYTE_COUNT
                                                                                                   HP APLASIA HYPOPLASIA OF THE EPIGLOTTIS, HP APLASIA HYPOPLASIA OF THE EPIGLOTTIS
                                                                                                   HP_EPIDERMAL_NEVUS, HP_EPIDERMAL_NEVUS
                                                                                                   OVSYANNIKOVA_PBMC_FLUARIX_AGE_55_64YO_RESPONDERS_VS_NONRESPONDERS_28DY_DN, OVSYANNIKOVA_PBMC_FLUARIX_AGE_55_64YO_RESPONDERS_VS_NONRESPONDERS_28DY_DN
                                                                                                   GOMF_PRE_MRNA_3_SPLICE_SITE_BINDING, GOMF_PRE_MRNA_3_SPLICE_SITE_BINDING
                                                                                                   CASTELLANO_HRAS_TARGETS_DN, CASTELLANO_HRAS_TARGETS_DN
                                                                                                   GOBP_POSITIVE_REGULATION_OF_TRANSCRIPTION_FROM_RNA_POLYMERASE_II_PROMOTER_IN_RESPONSE_TO_HYPOXIA, GOBP_POSITIVE_REGULATION_OF_TRANSCRIPTION_FROM_RNA_POLYMERASE_II_PROMOTER_IN_RESPONSE_TO_HYPOXIA
                                                                                                   GOBP_POSITIVE_REGULATION_OF_CELL_ADHESION_MEDIATED_BY_INTEGRIN, GOBP_POSITIVE_REGULATION_OF_CELL_ADHESION_MEDIATED_BY_INTEGRIN
                                                                                                   GOBP REGULATION OF AMYLOID FIBRIL FORMATION, GOBP REGULATION OF AMYLOID FIBRIL FORMATION
                                                                                                   CHIN_BREAST_CANCER_COPY_NUMBER_DN, CHIN_BREAST_CANCER_COPY_NUMBER_DN
                                                                                                   GOBP_REGULATION_OF_ANOIKIS, GOBP_REGULATION_OF_ANOIKIS
                                                                                                   KAZMIN_PBMC_P_FALCIPARUM_RTSS_AS01_AGE_UNKNOWN_CORRELATED_WITH_PROTECTION_56DY_NEGATIVE, KAZMIN_PBMC_P_FALCIPARUM_RTSS_AS01_AGE_UNKNOWN_CORRELATED_WITH_PROTECTION_56DY_NEGATIVE
                                                                                                   MEISSNER_BRAIN_ICP_WITH_H3K4ME3, MEISSNER_BRAIN_ICP_WITH_H3K4ME3
                                                                                                   VERRECCHIA_RESPONSE_TO_TGFB1_C4, VERRECCHIA_RESPONSE_TO_TGFB1_C4
                                                                                                   NUP214_TARGET_GENES, NUP214_TARGET_GENES
                                                                                                   BIOCARTA_BTG2_PATHWAY, BIOCARTA_BTG2_PATHWAY
                                                                                                   GOBP_NEGATIVE_REGULATION_OF_FAT_CELL_DIFFERENTIATION, GOBP_NEGATIVE_REGULATION_OF_FAT_CELL_DIFFERENTIATION
                                                                                                   GOBP_PEROXISOME_PROLIFERATOR_ACTIVATED_RECEPTOR_SIGNALING_PATHWAY, GOBP_PEROXISOME_PROLIFERATOR_ACTIVATED_RECEPTOR_SIGNALING_PATHWAY
                                                                                                   HP_RIDGED_FINGERNAIL, HP_RIDGED_FINGERNAIL
                                                                                                   GOBP_BONE_MARROW_DEVELOPMENT, GOBP_BONE_MARROW_DEVELOPMENT
                                                                                                   HP_RETROCOLLIS, HP_RETROCOLLIS
                                                                                                   REACTOME SOS MEDIATED SIGNALLING, REACTOME SOS MEDIATED SIGNALLING
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REACTOME RUNX3 REGULATES CDKN1A TRANSCRIPTION, REACTOME RUNX3 REGULATES CDKN1A TRANSCRIPTION

GSE9006\_HEALTHY\_VS\_TYPE\_2\_DIABETES\_PBMC\_AT\_DX\_UP, GSE9006\_HEALTHY\_VS\_TYPE\_2\_DIABETES\_PBMC\_AT\_DX\_UP

GSE9006\_HEALTHY\_VS\_TYPE\_1\_DIABETES\_PBMC\_4MONTH\_POST\_DX\_UP, GSE9006\_HEALTHY\_VS\_TYPE\_1\_DIABETES\_PBMC\_4MONTH\_POST\_DX\_UP

GSE21670\_UNTREATED\_VS\_TGFB\_IL6\_TREATED\_STAT3\_KO\_CD4\_TCELL\_DN, GSE21670\_UNTREATED\_VS\_TGFB\_IL6\_TREATED\_STAT3\_KO\_CD4\_TCELL\_DN