```
GSE37533_UNTREATED_VS_PIOGLIZATONE_TREATED_CD4_TCELL_PPARG1_AND_FOXP3_TRASDUCED_DN, GSE37533_UNTREATED_VS_PIOGLIZATONE_TREATED_CD4_TCELL_PPARG1_AND_FOXP3_TRASDUCED_DN
                                                                                          GSE46606_UNSTIM_VS_CD40L_IL2_IL5_3DAY_STIMULATED_IRF4MID_SORTED_BCELL_UP, GSE46606_UNSTIM_VS_CD40L_IL2_IL5_3DAY_STIMULATED_IRF4MID_SORTED_BCELL_UP
                                                                                          GSE21360_PRIMARY_VS_TERTIARY_MEMORY_CD8_TCELL_UP, GSE21360_PRIMARY_VS_TERTIARY_MEMORY_CD8_TCELL_UP
                                                                                          GSE37416_CTRL_VS_12H_F_TULARENSIS_LVS_NEUTROPHIL_UP, GSE37416_CTRL_VS_12H_F_TULARENSIS_LVS_NEUTROPHIL_UP
                                                                                          GSE9988_ANTI_TREM1_VS_LPS_MONOCYTE_UP, GSE9988_ANTI_TREM1_VS_LPS_MONOCYTE_UP
                                                                                          GSE21360_PRIMARY_VS_QUATERNARY_MEMORY_CD8_TCELL_DN, GSE21360_PRIMARY_VS_QUATERNARY_MEMORY_CD8_TCELL_DN
                                                                                          GSE19401_NAIVE_VS_IMMUNIZED_MOUSE_PLN_FOLLICULAR_DC_DN, GSE19401_NAIVE_VS_IMMUNIZED_MOUSE_PLN_FOLLICULAR_DC_DN
                                                                                          GSE41176_UNSTIM_VS_ANTI_IGM_STIM_BCELL_3H_DN, GSE41176_UNSTIM_VS_ANTI_IGM_STIM_BCELL_3H_DN
                                                                                          GSE43863_TH1_VS_TFH_MEMORY_CD4_TCELL_DN, GSE43863_TH1_VS_TFH_MEMORY_CD4_TCELL_DN
                                                                                          GSE15930_STIM_VS_STIM_AND_IL12_48H_CD8_T_CELL_UP, GSE15930_STIM_VS_STIM_AND_IL12_48H_CD8_T_CELL_UP
                                                                                          GSE37416_CTRL_VS_3H_F_TULARENSIS_LVS_NEUTROPHIL_UP, GSE37416_CTRL_VS_3H_F_TULARENSIS_LVS_NEUTROPHIL_UP
                                                                                          GSE22601_IMMATURE_CD4_SINGLE_POSITIVE_VS_CD8_SINGLE_POSITIVE_THYMOCYTE_UP, GSE22601_IMMATURE_CD4_SINGLE_POSITIVE_VS_CD8_SINGLE_POSITIVE_THYMOCYTE_UP
                                                                                          GSE9960_HEALTHY_VS_GRAM_POS_SEPSIS_PBMC_UP, GSE9960_HEALTHY_VS_GRAM_POS_SEPSIS_PBMC_UP
                                                                                          GSE35825_UNTREATED_VS_IFNG_STIM_MACROPHAGE_DN, GSE35825_UNTREATED_VS_IFNG_STIM_MACROPHAGE_DN
                                                                                          GSE17721_PAM3CSK4_VS_CPG_4H_BMDC_UP, GSE17721_PAM3CSK4_VS_CPG_4H_BMDC_UP
                                                                                          GSE41176_WT_VS_TAK1_KO_ANTI_IGM_STIM_BCELL_24H_DN, GSE41176_WT_VS_TAK1_KO_ANTI_IGM_STIM_BCELL_24H_DN
                                                                                          GSE36476_CTRL_VS_TSST_ACT_16H_MEMORY_CD4_TCELL_YOUNG_UP, GSE36476_CTRL_VS_TSST_ACT_16H_MEMORY_CD4_TCELL_YOUNG_UP
                                                                                          GSE11864_CSF1_VS_CSF1_PAM3CYS_IN_MAC_UP, GSE11864_CSF1_VS_CSF1_PAM3CYS_IN_MAC_UP
                                                                                          GSE43863_NAIVE_VS_MEMORY_LY6C_INT_CXCR5POS_CD4_TCELL_D150_LCMV_UP, GSE43863_NAIVE_VS_MEMORY_LY6C_INT_CXCR5POS_CD4_TCELL_D150_LCMV_UP
                                                                                          GSE36527_CD69_NEG_VS_POS_TREG_CD62L_LOS_KLRG1_NEG_DN, GSE36527_CD69_NEG_VS_POS_TREG_CD62L_LOS_KLRG1_NEG_DN
                                                                                          GSE2706_UNSTIM_VS_2H_LPS_AND_R848_DC_UP, GSE2706_UNSTIM_VS_2H_LPS_AND_R848_DC_UP
                                                                                          GSE17721_POLYIC_VS_PAM3CSK4_16H_BMDC_UP, GSE17721_POLYIC_VS_PAM3CSK4_16H_BMDC_UP
                                                                                          GSE38681_WT_VS_LYL1_KO_LYMPHOID_PRIMED_MULTIPOTENT_PROGENITOR_UP, GSE38681_WT_VS_LYL1_KO_LYMPHOID_PRIMED_MULTIPOTENT_PROGENITOR_UP
                                                                                          GSE15930_NAIVE_VS_24H_IN_VITRO_STIM_IL12_CD8_TCELL_UP, GSE15930_NAIVE_VS_24H_IN_VITRO_STIM_IL12_CD8_TCELL_UP
                                                                                          GOCC_PROTEIN_ACETYLTRANSFERASE_COMPLEX, GOCC_PROTEIN_ACETYLTRANSFERASE_COMPLEX
                                                                                          GSE36392_TYPE_2_MYELOID_VS_NEUTROPHIL_IL25_TREATED_LUNG_DN, GSE36392_TYPE_2_MYELOID_VS_NEUTROPHIL_IL25_TREATED_LUNG_DN
                                                                                          GSE20500_CTRL_VS_RARA_ANTAGONIST_TREATED_CD4_TCELL_UP, GSE20500_CTRL_VS_RARA_ANTAGONIST_TREATED_CD4_TCELL_UP
                                                                                          GSE15930_NAIVE_VS_24H_IN_VITRO_STIM_INFAB_CD8_TCELL_UP, GSE15930_NAIVE_VS_24H_IN_VITRO_STIM_INFAB_CD8_TCELL_UP
                                                                                          GSE15930_NAIVE_VS_24H_IN_VITRO_STIM_CD8_TCELL_UP, GSE15930_NAIVE_VS_24H_IN_VITRO_STIM_CD8_TCELL_UP
                                                                                         GNF2_STAT6, GNF2_STAT6
                                                                                          GSE7348_UNSTIM_VS_LPS_STIM_MACROPHAGE_UP, GSE7348_UNSTIM_VS_LPS_STIM_MACROPHAGE_UP
                                                                                          GSE6259_33D1_POS_VS_DEC205_POS_SPLENIC_DC_UP, GSE6259_33D1_POS_VS_DEC205_POS_SPLENIC_DC_UP
                                                                                         GSE1460_NAIVE_CD4_TCELL_ADULT_BLOOD_VS_THYMIC_STROMAL_CELL_UP, GSE1460_NAIVE_CD4_TCELL_ADULT_BLOOD_VS_THYMIC_STROMAL_CELL_UP
                                                                                          GSE15330_WT_VS_IKAROS_KO_GRANULOCYTE_MONOCYTE_PROGENITOR_DN, GSE15330_WT_VS_IKAROS_KO_GRANULOCYTE_MONOCYTE_PROGENITOR_DN
                                                                                          GSE2706_UNSTIM_VS_2H_LPS_DC_UP, GSE2706_UNSTIM_VS_2H_LPS_DC_UP
                                                                                          GSE6259_FLT3L_INDUCED_33D1_POS_DC_VS_CD8_TCELL_UP, GSE6259_FLT3L_INDUCED_33D1_POS_DC_VS_CD8_TCELL_UP
                                                                                          RASHI RESPONSE TO IONIZING RADIATION 5, RASHI RESPONSE TO IONIZING RADIATION 5
                                                                                          REACTOME_CELLULAR_RESPONSE_TO_HEAT_STRESS, REACTOME_CELLULAR_RESPONSE_TO_HEAT_STRESS
                                                                                          GSE25088 IL4 VS IL4 AND ROSIGLITAZONE STIM MACROPHAGE DAY10 DN. GSE25088 IL4 VS IL4 AND ROSIGLITAZONE STIM MACROPHAGE DAY10 DN
                                                                                          GSE17721_POLYIC_VS_GARDIQUIMOD_24H_BMDC_UP, GSE17721_POLYIC_VS_GARDIQUIMOD_24H_BMDC_UP
                                                                                          GSE20715_0H_VS_48H_OZONE_LUNG_UP, GSE20715_0H_VS_48H_OZONE_LUNG_UP
                                                                                          GOBP_VESICLE_MEDIATED_TRANSPORT_TO_THE_PLASMA_MEMBRANE, GOBP_VESICLE_MEDIATED_TRANSPORT_TO_THE_PLASMA_MEMBRANE
                                                                                          GSE15930_NAIVE_VS_48H_IN_VITRO_STIM_IFNAB_CD8_TCELL_UP, GSE15930_NAIVE_VS_48H_IN_VITRO_STIM_IFNAB_CD8_TCELL_UP
                                                                                          GSE15330_LYMPHOID_MULTIPOTENT_VS_PRO_BCELL_UP, GSE15330_LYMPHOID_MULTIPOTENT_VS_PRO_BCELL_UP
                                                                                          REACTOME_REGULATION_OF_HSF1_MEDIATED_HEAT_SHOCK_RESPONSE, REACTOME_REGULATION_OF_HSF1_MEDIATED_HEAT_SHOCK_RESPONSE
                                                                                          REACTOME_TRANSPORT_OF_THE_SLBP_DEPENDANT_MATURE_MRNA, REACTOME_TRANSPORT_OF_THE_SLBP_DEPENDANT_MATURE_MRNA
                                                                                          MIR423_5P, MIR423_5P
                                                                                          MIR2467_3P, MIR2467_3P
                                                                                          MIR3184_5P, MIR3184_5P
                                                                                          MIR3652, MIR3652
                                                                                          ATGTAGC_MIR221_MIR222, ATGTAGC_MIR221_MIR222
                                                                                          MIR1294, MIR1294
                                                                                          GNF2_SELL, GNF2_SELL
                                                                                          GSE4984_UNTREATED_VS_LPS_TREATED_DC_UP, GSE4984_UNTREATED_VS_LPS_TREATED_DC_UP
                                                                                          GSE19772_HCMV_INFL_VS_HCMV_INF_MONOCYTES_AND_PI3K_INHIBITION_UP, GSE19772_HCMV_INFL_VS_HCMV_INF_MONOCYTES_AND_PI3K_INHIBITION_UP
                                                                                          GNF2_VAV1, GNF2_VAV1
                                                                                          FAELT_B_CLL_WITH_VH_REARRANGEMENTS_UP, FAELT_B_CLL_WITH_VH_REARRANGEMENTS_UP
                                                                                         HP_PARKINSONISM, HP_PARKINSONISM
                                                                                         PID_RAC1_PATHWAY, PID_RAC1_PATHWAY
                                                                                         HP_DECREASED_FACIAL_EXPRESSION, HP_DECREASED_FACIAL_EXPRESSION
                                                                                         GOMF_PEPTIDE_N_ACETYLTRANSFERASE_ACTIVITY, GOMF_PEPTIDE_N_ACETYLTRANSFERASE_ACTIVITY
                                                                                         YTAAYNGCT_UNKNOWN, YTAAYNGCT_UNKNOWN
                                                                                         GOMF_SIGNALING_ADAPTOR_ACTIVITY, GOMF_SIGNALING_ADAPTOR_ACTIVITY
                                                                                         GOBP_HISTONE_H3_ACETYLATION, GOBP_HISTONE_H3_ACETYLATION
                                                                                         GNF2_CD48, GNF2_CD48
                                                                                         CHIARETTI_ACUTE_LYMPHOBLASTIC_LEUKEMIA_ZAP70, CHIARETTI_ACUTE_LYMPHOBLASTIC_LEUKEMIA_ZAP70
                                                                                          ACACTCC_MIR122A, ACACTCC_MIR122A
                                                                                          GNF2_BNIP2, GNF2_BNIP2
                                                                                          BIOCARTA_HIVNEF_PATHWAY, BIOCARTA_HIVNEF_PATHWAY
                                                                                         MIR6867_3P, MIR6867_3P
                                                                                         GOMF_PROTEIN_SERINE_THREONINE_PHOSPHATASE_ACTIVITY, GOMF_PROTEIN_SERINE_THREONINE_PHOSPHATASE_ACTIVITY
                                                                                         GSE21927_UNTREATED_VS_GMCSF_IL6_TREATED_BONE_MARROW_UP, GSE21927_UNTREATED_VS_GMCSF_IL6_TREATED_BONE_MARROW_UP
                                                                                         HP_BRADYKINESIA, HP_BRADYKINESIA
                                                                                         GOBP_POSITIVE_REGULATION_OF_MYELOID_CELL_DIFFERENTIATION, GOBP_POSITIVE_REGULATION_OF_MYELOID_CELL_DIFFERENTIATION
                                                                                          MIR6889_3P, MIR6889_3P
                                                                                          GOBP_REGULATION_OF_VACUOLE_ORGANIZATION, GOBP_REGULATION_OF_VACUOLE_ORGANIZATION
                                                                                          CHNG MULTIPLE MYELOMA HYPERPLOID DN, CHNG MULTIPLE MYELOMA HYPERPLOID DN
                                                                                          HP_MUTISM, HP_MUTISM
                                                                                          MIR4718, MIR4718
                                                                                          GOMF_PEPTIDE_LYSINE_N_ACETYLTRANSFERASE_ACTIVITY, GOMF_PEPTIDE_LYSINE_N_ACETYLTRANSFERASE_ACTIVITY
                                                                                          MIR7158_5P, MIR7158_5P
                                                                                          ZNF746_TARGET_GENES, ZNF746_TARGET_GENES
                                                                                          MIR6826_3P, MIR6826_3P
                                                                                          REACTOME REGULATION OF TP53 ACTIVITY THROUGH ACETYLATION, REACTOME REGULATION OF TP53 ACTIVITY THROUGH ACETYLATION
                                                                                          GOBP_REGULATION_OF_ERYTHROCYTE_DIFFERENTIATION, GOBP_REGULATION_OF_ERYTHROCYTE_DIFFERENTIATION
                                                                                          MIR4725_5P, MIR4725_5P
                                                                                          GOBP_EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_VIA_DEATH_DOMAIN_RECEPTORS, GOBP_EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_VIA_DEATH_DOMAIN_RECEPTORS
                                                                                          BIOCARTA_TNFR1_PATHWAY, BIOCARTA_TNFR1_PATHWAY
                                                                                          GNF2_SNRK, GNF2_SNRK
                                                                                          GOBP_ESTABLISHMENT_OF_PROTEIN_LOCALIZATION_TO_PLASMA_MEMBRANE, GOBP_ESTABLISHMENT_OF_PROTEIN_LOCALIZATION_TO_PLASMA_MEMBRANE
                                                                                          GOMF_SIGNALING_RECEPTOR_COMPLEX_ADAPTOR_ACTIVITY, GOMF_SIGNALING_RECEPTOR_COMPLEX_ADAPTOR_ACTIVITY
                                                                                          TARTE_PLASMA_CELL_VS_B_LYMPHOCYTE_DN, TARTE_PLASMA_CELL_VS_B_LYMPHOCYTE_DN
                                                                                          PID FAS PATHWAY, PID FAS PATHWAY
                                                                                          HASLINGER B CLL WITH CHROMOSOME 12 TRISOMY, HASLINGER B CLL WITH CHROMOSOME 12 TRISOMY
                                                                                          GOMF_PROTEIN_SERINE_PHOSPHATASE_ACTIVITY, GOMF_PROTEIN_SERINE_PHOSPHATASE_ACTIVITY
                                                                                          GOCC_SAGA_TYPE_COMPLEX, GOCC_SAGA_TYPE_COMPLEX
                                                                                         GOMF_N_ACYLTRANSFERASE_ACTIVITY, GOMF_N_ACYLTRANSFERASE_ACTIVITY
                                                                                         GOCC_SYNAPTIC_VESICLE_MEMBRANE, GOCC_SYNAPTIC_VESICLE_MEMBRANE
                                                                                          KEGG_TOLL_LIKE_RECEPTOR_SIGNALING_PATHWAY, KEGG_TOLL_LIKE_RECEPTOR_SIGNALING_PATHWAY
                                                                                         PID_TGFBR_PATHWAY, PID_TGFBR_PATHWAY
                                                                                          MIR3174, MIR3174
                                                                                          GOBP_RETROGRADE_TRANSPORT_ENDOSOME_TO_PLASMA_MEMBRANE, GOBP_RETROGRADE_TRANSPORT_ENDOSOME_TO_PLASMA_MEMBRANE
                                                                                          WP_TOLLLIKE_RECEPTOR_SIGNALING_PATHWAY, WP_TOLLLIKE_RECEPTOR_SIGNALING_PATHWAY
                                                                                          GOBP_REGULATION_OF_ACTOMYOSIN_STRUCTURE_ORGANIZATION, GOBP_REGULATION_OF_ACTOMYOSIN_STRUCTURE_ORGANIZATION
                                                                                          GOBP_POSITIVE_REGULATION_OF_MYELOID_LEUKOCYTE_DIFFERENTIATION, GOBP_POSITIVE_REGULATION_OF_MYELOID_LEUKOCYTE_DIFFERENTIATION
                                                                                          GOBP_POSITIVE_REGULATION_OF_APOPTOTIC_SIGNALING_PATHWAY, GOBP_POSITIVE_REGULATION_OF_APOPTOTIC_SIGNALING_PATHWAY
                                                                                          REACTOME SLC TRANSPORTER DISORDERS, REACTOME SLC TRANSPORTER DISORDERS
                                                                                          GENTILE_UV_RESPONSE_CLUSTER_D5, GENTILE_UV_RESPONSE_CLUSTER_D5
                                                                                          GOBP_HISTONE_H4_K5_ACETYLATION, GOBP_HISTONE_H4_K5_ACETYLATION
                                                                                         HP CEREBRAL_INCLUSION_BODIES, HP_CEREBRAL_INCLUSION_BODIES
                                                                                         PID_TNF_PATHWAY, PID_TNF_PATHWAY
                                                                                         PID_HIV_NEF_PATHWAY, PID_HIV_NEF_PATHWAY
                                                                                          GSE12963_UNINF_VS_ENV_AND_NEF_DEFICIENT_HIV1_INF_CD4_TCELL_UP, GSE12963_UNINF_VS_ENV_AND_NEF_DEFICIENT_HIV1_INF_CD4_TCELL_UP
                                                                                         GOBP_LEUKOCYTE_APOPTOTIC_PROCESS, GOBP_LEUKOCYTE_APOPTOTIC_PROCESS
                                                                                          REACTOME_TGF_BETA_RECEPTOR_SIGNALING_ACTIVATES_SMADS, REACTOME_TGF_BETA_RECEPTOR_SIGNALING_ACTIVATES_SMADS
                                                                                          HP_DECREASED_CIRCULATING_IGG_LEVEL, HP_DECREASED_CIRCULATING_IGG_LEVEL
                                                                                          GNF2_CASP8, GNF2_CASP8
                                                                                          RASHI_RESPONSE_TO_IONIZING_RADIATION_6, RASHI_RESPONSE_TO_IONIZING_RADIATION_6
                                                                                          WP_TNF_RELATED_WEAK_INDUCER_OF_APOPTOSIS_TWEAK_SIGNALING_PATHWAY, WP_TNF_RELATED_WEAK_INDUCER_OF_APOPTOSIS_TWEAK_SIGNALING_PATHWAY
                                                                                          GSE15659_NONSUPPRESSIVE_TCELL_VS_ACTIVATED_TREG_UP, GSE15659_NONSUPPRESSIVE_TCELL_VS_ACTIVATED_TREG_UP
                                                                                          PID_AVB3_INTEGRIN_PATHWAY, PID_AVB3_INTEGRIN_PATHWAY
                                                                                          GSE36095_WT_VS_HDAC9_KO_TREG_DN, GSE36095_WT_VS_HDAC9_KO_TREG_DN
                                                                                          SEKI_INFLAMMATORY_RESPONSE_LPS_DN, SEKI_INFLAMMATORY_RESPONSE_LPS_DN
                                                                                          MIR7854_3P, MIR7854_3P
                                                                                          GOBP_NEGATIVE_REGULATION_OF_ERK1_AND_ERK2_CASCADE, GOBP_NEGATIVE_REGULATION_OF_ERK1_AND_ERK2_CASCADE
                                                                                          REACTOME_TNFR1_INDUCED_PROAPOPTOTIC_SIGNALING, REACTOME_TNFR1_INDUCED_PROAPOPTOTIC_SIGNALING
                                                                                          HP_ASTROCYTOSIS, HP_ASTROCYTOSIS
                                                                                         GOBP_GOLGI_TO_PLASMA_MEMBRANE_PROTEIN_TRANSPORT, GOBP_GOLGI_TO_PLASMA_MEMBRANE_PROTEIN_TRANSPORT
                                                                                          HP_PROMINENT_DIGIT_PAD, HP_PROMINENT_DIGIT_PAD
                                                                                          GOBP_HISTONE_H2A_ACETYLATION, GOBP_HISTONE_H2A_ACETYLATION
                                                                                          HP_ABNORMAL_AUTONOMIC_NERVOUS_SYSTEM_PHYSIOLOGY, HP_ABNORMAL_AUTONOMIC_NERVOUS_SYSTEM_PHYSIOLOGY
                                                                                          HP_POSTURAL_INSTABILITY, HP_POSTURAL_INSTABILITY
                                                                                          REACTOME_DOWNREGULATION_OF_TGF_BETA_RECEPTOR_SIGNALING, REACTOME_DOWNREGULATION_OF_TGF_BETA_RECEPTOR_SIGNALING
                                                                                          REACTOME_CASPASE_ACTIVATION_VIA_EXTRINSIC_APOPTOTIC_SIGNALLING_PATHWAY, REACTOME_CASPASE_ACTIVATION_VIA_EXTRINSIC_APOPTOTIC_SIGNALLING_PATHWAY
                                                                                          HP_RESTING_TREMOR, HP_RESTING_TREMOR
                                                                                          GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_RED_DN, GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_RED_DN
                                                                                          GOBP_POSITIVE_REGULATION_OF_EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY, GOBP_POSITIVE_REGULATION_OF_EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
                                                                                          MIR550A_3P, MIR550A_3P
                                                                                          GOBP_REGULATION_OF_LEUKOCYTE_APOPTOTIC_PROCESS, GOBP_REGULATION_OF_LEUKOCYTE_APOPTOTIC_PROCESS
                                                                                          BIOCARTA_DEATH_PATHWAY, BIOCARTA_DEATH_PATHWAY
                                                                                          GOBP_POSITIVE_REGULATION_OF_CELLULAR_EXTRAVASATION, GOBP_POSITIVE_REGULATION_OF_CELLULAR_EXTRAVASATION
                                                                                          GOCC_H4_H2A_HISTONE_ACETYLTRANSFERASE_COMPLEX, GOCC_H4_H2A_HISTONE_ACETYLTRANSFERASE_COMPLEX
                                                                                          REACTOME_RIPK1_MEDIATED_REGULATED_NECROSIS, REACTOME_RIPK1_MEDIATED_REGULATED_NECROSIS
                                                                                          GGGGCCC_MIR296, GGGGCCC_MIR296
                                                                                          GOBP_T_CELL_EXTRAVASATION, GOBP_T_CELL_EXTRAVASATION
                                                                                          MIR4652 5P, MIR4652 5P
                                                                                          GOMF_PHOSPHOLIPID_TRANSFER_ACTIVITY, GOMF_PHOSPHOLIPID_TRANSFER_ACTIVITY
                                                                                          GGCACAT_MIR455, GGCACAT_MIR455
                                                                                          HP_DIMINISHED_MOVEMENT, HP_DIMINISHED_MOVEMENT
                                                                                          HP_ABNORMAL_SPEECH_PROSODY, HP_ABNORMAL_SPEECH_PROSODY
                                                                                          HP_DECREASED_CIRCULATING_TOTAL_IGM, HP_DECREASED_CIRCULATING_TOTAL_IGM
                                                                                          GOBP_REGULATION_OF_CELLULAR_EXTRAVASATION, GOBP_REGULATION_OF_CELLULAR_EXTRAVASATION
                                                                                          GOBP_PROTEIN_LOCALIZATION_TO_ENDOSOME, GOBP_PROTEIN_LOCALIZATION_TO_ENDOSOME
                                                                                          WP_SELECTIVE_EXPRESSION_OF_CHEMOKINE_RECEPTORS_DURING_TCELL_POLARIZATION, WP_SELECTIVE_EXPRESSION_OF_CHEMOKINE_RECEPTORS_DURING_TCELL_POLARIZATION
                                                                                          REACTOME_CHEMOKINE_RECEPTORS_BIND_CHEMOKINES, REACTOME_CHEMOKINE_RECEPTORS_BIND_CHEMOKINES
                                                                                          GOBP_LYMPHOCYTE_APOPTOTIC_PROCESS, GOBP_LYMPHOCYTE_APOPTOTIC_PROCESS
                                                                                          GOBP_NEURON_DEATH_IN_RESPONSE_TO_OXIDATIVE_STRESS, GOBP_NEURON_DEATH_IN_RESPONSE_TO_OXIDATIVE_STRESS
                                                                                          GENTLES_LEUKEMIC_STEM_CELL_UP, GENTLES_LEUKEMIC_STEM_CELL_UP
                                                                                           HP_HAPPY_DEMEANOR, HP_HAPPY_DEMEANOR
                                                                                          PID BMP PATHWAY, PID BMP PATHWAY
                                                                                          WP_CANNABINOID_RECEPTOR_SIGNALING, WP_CANNABINOID_RECEPTOR_SIGNALING
                                                                                          HOFT_CD4_POSITIVE_ALPHA_BETA_MEMORY_T_CELL_BCG_VACCINE_AGE_18_45YO_56D_TOP_100_DEG_AFTER_IN_VITRO_RE_STIMULATION_UP, HOFT_CD4_POSITIVE_ALPHA_BETA_MEMORY_T_CELL_BCG_VACCINE_AGE_18_45YO_56D_TOP_100_DEG_AFTER_IN_VITRO_RE_STIMULATION_UP
                                                                                          GOBP_T_CELL_MIGRATION, GOBP_T_CELL_MIGRATION
                                                                                          GOBP_POSITIVE_REGULATION_OF_ERYTHROCYTE_DIFFERENTIATION, GOBP_POSITIVE_REGULATION_OF_ERYTHROCYTE_DIFFERENTIATION
                                                                                          GOBP_DEATH_INDUCING_SIGNALING_COMPLEX_ASSEMBLY, GOBP_DEATH_INDUCING_SIGNALING_COMPLEX_ASSEMBLY
                                                                                          REACTOME_CASPASE_ACTIVATION_VIA_DEATH_RECEPTORS_IN_THE_PRESENCE_OF_LIGAND, REACTOME_CASPASE_ACTIVATION_VIA_DEATH_RECEPTORS_IN_THE_PRESENCE_OF_LIGAND
                                                                                          GOMF_14_3_3_PROTEIN_BINDING, GOMF_14_3_3_PROTEIN_BINDING
                                                                                          GOMF C C CHEMOKINE BINDING, GOMF C C CHEMOKINE BINDING
L_TREATED_MONOCYTE_DN, GSE9988_LPS_VS_CTRL_TREATED_MONOCYTE_DN
                                                                                          GOBP_DETECTION_OF_TEMPERATURE_STIMULUS, GOBP_DETECTION_OF_TEMPERATURE_STIMULUS
                                                                                          HOLLEMAN_DAUNORUBICIN_B_ALL_DN, HOLLEMAN_DAUNORUBICIN_B_ALL_DN
                                                                                          MORI_PLASMA_CELL_DN, MORI_PLASMA_CELL_DN
                                                                                          GOBP_PEPTIDYL_THREONINE_DEPHOSPHORYLATION, GOBP_PEPTIDYL_THREONINE_DEPHOSPHORYLATION
                                                                                          GOBP_DENDRITIC_CELL_MIGRATION, GOBP_DENDRITIC_CELL_MIGRATION
                                                                                          QI_PBMC_ZOSTAVAX_AGE_50_75YO_CORRELATED_WITH_T_CELL_RESPONSES_EXPANSION\_AND_CONTRACTION_1D_NOT_INFORMATIVE\_OF\_LONG_TERM_RESPONSES_POSITIVE, QI_PBMC_ZOSTAVAX_AGE_50_75YO_CORRELATED_WITH_T_CELL_RESPONSES_EXPANSION_AND_CONTRACTION_1D_NOT_INFORMATIVE_OF_LONG_TERM_RESPONSES_EXPANSION_AND_CONTRACTION_1D_NOT_INFORMATIVE_OF_LONG_TERM_RESPONSES_EXPANSION_AND_CONTRACTION_1D_NOT_INFORMATIVE_OF_LONG_TERM_RESPONSES_POSITIVE, QI_PBMC_ZOSTAVAX_AGE_50_75YO_CORRELATED_WITH_T_CELL_RESPONSES_EXPANSION_AND_CONTRACTION_1D_NOT_INFORMATIVE_OF_LONG_TERM_RESPONSES_EXPANSION_AND_CONTRACTION_1D_NOT_INFORMATIVE_OF_LONG_TERM_RESPONSES_EXPANSION_AND_CONTRACTION_1D_NOT_INFORMATIVE_OF_LONG_TERM_RESPONSES_EXPANSION_AND_CONTRACTION_1D_NOT_INFORMATIVE_OF_LONG_TERM_RESPONSES_EXPANSION_AND_CONTRACTION_1D_NOT_INFORMATIVE_OF_LONG_TERM_RESPONSES_EXPANSION_AND_CONTRACTION_1D_NOT_INFORMATIVE_OF_LONG_TERM_RESPONSES_EXPANSION_AND_CONTRACTION_1D_NOT_INFORMATIVE_OF_LONG_TERM_RESPONSES_EXPANSION_AND_CONTRACTION_1D_NOT_INFORMATIVE_OF_LONG_TERM_RESPONSES_EXPANSION_AND_CONTRACTION_1D_NOT_INFORMATIVE_OF_LONG_TERM_RESPONSES_EXPANSION_AND_CONTRACTION_1D_NOT_INFORMATIVE_OF_LONG_TERM_RESPONSES_EXPANSION_AND_CONTRACTION_1D_NOT_INFORMATIVE_OF_LONG_TERM_RESPONSES_EXPANSION_AND_CONTRACTION_1D_NOT_INFORMATIVE_OF_LONG_TERM_RESPONSES_EXPANSION_AND_CONTRACTION_1D_NOT_INFORMATIVE_OF_LONG_TERM_RESPONSES_EXPANSION_AND_CONTRACTION_1D_NOT_INFORMATIVE_OF_LONG_TERM_RESPONSES_EXPANSION_AND_CONTRACTION_1D_NOT_INFORMATIVE_OF_LONG_TERM_RESPONSES_EXPANSION_AND_CONTRACTION_1D_NOT_INFORMATIVE_OF_LONG_TERM_RESPONSES_EXPANSION_AND_CONTRACTION_1D_NOT_INFORMATIVE_OF_LONG_TERM_RESPONSES_EXPANSION_TERM_RESPONSES_TERM_RESPONSES_TERM_RESPONSES_TERM_RESPONSES_TERM_RESPONSES_TERM_RESPONSES_TERM_RESPONSES_TERM_RESPONSES_TERM_RESPONSES_TERM_RESPONSES_TERM_RESPONSES_TERM_RESPONSES_TERM_RESPONSES_TERM_RESPONSES_TERM_RESPONSES_TERM_RESPONSES_TERM_RESPONSES_TERM_RESPONSES_TERM_RESPONSES_TERM_RESPONSES_TERM_RESPONSES_TERM_RESPONSES_TERM_RESPONSES_TERM_RESPONSES_TERM_RESPONSES_TERM_RESPONSES_TERM_RESPO
                                                                                          GOBP_ZYMOGEN_ACTIVATION, GOBP_ZYMOGEN_ACTIVATION
                                                                                          REACTOME_NEGATIVE_REGULATION_OF_FLT3, REACTOME_NEGATIVE_REGULATION_OF_FLT3
                                                                                          GOBP_BETA_CATENIN_DESTRUCTION_COMPLEX_DISASSEMBLY, GOBP_BETA_CATENIN_DESTRUCTION_COMPLEX_DISASSEMBLY
                                                                                          GOBP_NEGATIVE_REGULATION_OF_DNA_TEMPLATED_TRANSCRIPTION_ELONGATION, GOBP_NEGATIVE_REGULATION_OF_DNA_TEMPLATED_TRANSCRIPTION_ELONGATION
                                                                                          HP_HAND_CLENCHING, HP_HAND_CLENCHING
                                                                                          FIGUEROA_AML_METHYLATION_CLUSTER_3_DN, FIGUEROA_AML_METHYLATION_CLUSTER_3_DN
                                                                                          GOBP_RESPIRATORY_BURST_INVOLVED_IN_DEFENSE_RESPONSE, GOBP_RESPIRATORY_BURST_INVOLVED_IN_DEFENSE_RESPONSE
                                                                                          HP_AMAUROSIS_FUGAX, HP_AMAUROSIS_FUGAX
                                                                                          YIH_RESPONSE_TO_ARSENITE_C2, YIH_RESPONSE_TO_ARSENITE_C2
                                                                                          BIOCARTA_NTHI_PATHWAY, BIOCARTA_NTHI_PATHWAY
                                                                                          REACTOME_NF_KB_ACTIVATION_THROUGH_FADD_RIP_1_PATHWAY_MEDIATED_BY_CASPASE_8_AND_10, REACTOME_NF_KB_ACTIVATION_THROUGH_FADD_RIP_1_PATHWAY_MEDIATED_BY_CASPASE_8_AND_10
                                                                                          HP_AUDITORY_HALLUCINATIONS, HP_AUDITORY_HALLUCINATIONS
                                                                                          REACTOME_ERKS_ARE_INACTIVATED, REACTOME_ERKS_ARE_INACTIVATED
                                                                                          GOBP_POLARIZED_EPITHELIAL_CELL_DIFFERENTIATION, GOBP_POLARIZED_EPITHELIAL_CELL_DIFFERENTIATION
                                                                                          GOMF_G_PROTEIN_COUPLED_CHEMOATTRACTANT_RECEPTOR_ACTIVITY, GOMF_G_PROTEIN_COUPLED_CHEMOATTRACTANT_RECEPTOR_ACTIVITY
                                                                                          HP_RAPIDLY_PROGRESSIVE, HP_RAPIDLY_PROGRESSIVE
                                                                                          HP_ABNORMAL_T_CELL_ACTIVATION, HP_ABNORMAL_T_CELL_ACTIVATION
                                                                                          HP_ABNORMAL_SPINAL_MENINGEAL_MORPHOLOGY, HP_ABNORMAL_SPINAL_MENINGEAL_MORPHOLOGY
                                                                                          HP SPONDYLOLISTHESIS, HP SPONDYLOLISTHESIS
                                                                                          GOMF_DOPAMINE_RECEPTOR_BINDING, GOMF_DOPAMINE_RECEPTOR_BINDING
                                                                                          GOBP_SEQUESTERING_OF_TRIGLYCERIDE, GOBP_SEQUESTERING_OF_TRIGLYCERIDE
                                                                                          GOBP_SENSORY_PERCEPTION_OF_TEMPERATURE_STIMULUS, GOBP_SENSORY_PERCEPTION_OF_TEMPERATURE_STIMULUS
                                                                                          GOBP DENDRITIC CELL CHEMOTAXIS, GOBP DENDRITIC CELL CHEMOTAXIS
                                                                                          GOBP_REGULATION_OF_MACROPHAGE_DIFFERENTIATION, GOBP_REGULATION_OF_MACROPHAGE_DIFFERENTIATION
                                                                                          NKX2_8_TARGET_GENES, NKX2_8_TARGET_GENES
                                                                                          GOCC H3 HISTONE ACETYLTRANSFERASE COMPLEX, GOCC H3 HISTONE ACETYLTRANSFERASE COMPLEX
                                                                                          GOCC_DEATH_INDUCING_SIGNALING_COMPLEX, GOCC_DEATH_INDUCING_SIGNALING_COMPLEX
                                                                                          GOBP_NEUROTRANSMITTER_RECEPTOR_TRANSPORT_TO_PLASMA_MEMBRANE, GOBP_NEUROTRANSMITTER_RECEPTOR_TRANSPORT_TO_PLASMA_MEMBRANE
                                                                                          GOBP_POSITIVE_REGULATION_OF_FILOPODIUM_ASSEMBLY, GOBP_POSITIVE_REGULATION_OF_FILOPODIUM_ASSEMBLY
                                                                                         GOBP_NEGATIVE_REGULATION_OF_LYMPHOCYTE_APOPTOTIC_PROCESS, GOBP_NEGATIVE_REGULATION_OF_LYMPHOCYTE_APOPTOTIC_PROCESS
                                                                                          GOBP_SELF_PROTEOLYSIS, GOBP_SELF_PROTEOLYSIS
                                                                                         GOBP_POSITIVE_REGULATION_OF_ALPHA_BETA_T_CELL_PROLIFERATION, GOBP_POSITIVE_REGULATION_OF_ALPHA_BETA_T_CELL_PROLIFERATION
                                                                                         GOBP_REGULATION_OF_LYMPHOCYTE_APOPTOTIC_PROCESS, GOBP_REGULATION_OF_LYMPHOCYTE_APOPTOTIC_PROCESS
                                                                                          REACTOME_RAF_INDEPENDENT_MAPK1_3_ACTIVATION, REACTOME_RAF_INDEPENDENT_MAPK1_3_ACTIVATION
                                                                                          PID_ALK1_PATHWAY, PID_ALK1_PATHWAY
                                                                                          GOBP_DETECTION_OF_TEMPERATURE_STIMULUS_INVOLVED_IN_SENSORY_PERCEPTION, GOBP_DETECTION_OF_TEMPERATURE_STIMULUS_INVOLVED_IN_SENSORY_PERCEPTION
                                                                                          FERRANDO_LYL1_NEIGHBORS, FERRANDO_LYL1_NEIGHBORS
                                                                                          GOBP_ACTIVATION_OF_CYSTEINE_TYPE_ENDOPEPTIDASE_ACTIVITY, GOBP_ACTIVATION_OF_CYSTEINE_TYPE_ENDOPEPTIDASE_ACTIVITY
                                                                                          chr1p35, chr1p35
                                                                                          MODULE_73, MODULE_73
                                                                                          GOMF_CHEMOKINE_BINDING, GOMF_CHEMOKINE_BINDING
                                                                                          TERAMOTO_OPN_TARGETS_CLUSTER_3, TERAMOTO_OPN_TARGETS_CLUSTER_3
                                                                                          GOBP_REGULATION_OF_GLYCOGEN_CATABOLIC_PROCESS, GOBP_REGULATION_OF_GLYCOGEN_CATABOLIC_PROCESS
                                                                                          GOBP T CELL APOPTOTIC PROCESS, GOBP T CELL APOPTOTIC PROCESS
                                                                                          BIOCARTA_CCR5_PATHWAY, BIOCARTA_CCR5_PATHWAY
                                                                                          KIM_LIVER_CANCER_POOR_SURVIVAL_UP, KIM_LIVER_CANCER_POOR_SURVIVAL_UP
                                                                                          GOBP_VISUAL_BEHAVIOR, GOBP_VISUAL_BEHAVIOR
                                                                                          HP_SUBACUTE_PROGRESSIVE_VIRAL_HEPATITIS, HP_SUBACUTE_PROGRESSIVE_VIRAL_HEPATITIS
                                                                                          REACTOME TRIF MEDIATED PROGRAMMED CELL DEATH, REACTOME TRIF MEDIATED PROGRAMMED CELL DEATH
                                                                                          DURANTE ADULT OLFACTORY NEUROEPITHELIUM CD4 T CELLS, DURANTE ADULT OLFACTORY NEUROEPITHELIUM CD4 T CELLS
                                                                                          BIOCARTA_CTCF_PATHWAY, BIOCARTA_CTCF_PATHWAY
                                                                                          PID_NFKAPPAB_ATYPICAL_PATHWAY, PID_NFKAPPAB_ATYPICAL_PATHWAY
                                                                                          WP_CANONICAL_AND_NONCANONICAL_TGFB_SIGNALING, WP_CANONICAL_AND_NONCANONICAL_TGFB_SIGNALING
                                                                                          HP_VISUAL_HALLUCINATIONS, HP_VISUAL_HALLUCINATIONS
                                                                                          BIOCARTA_TALL1_PATHWAY, BIOCARTA_TALL1_PATHWAY
                                                                                         GOBP_T_CELL_CYTOKINE_PRODUCTION, GOBP_T_CELL_CYTOKINE_PRODUCTION
                                                                                          GOBP_NEGATIVE_REGULATION_OF_ANION_TRANSMEMBRANE_TRANSPORT, GOBP_NEGATIVE_REGULATION_OF_ANION_TRANSMEMBRANE_TRANSPORT
                                                                                          GOBP_REGULATION_OF_PLATELET_DERIVED_GROWTH_FACTOR_RECEPTOR_SIGNALING_PATHWAY, GOBP_REGULATION_OF_PLATELET_DERIVED_GROWTH_FACTOR_RECEPTOR_SIGNALING_PATHWAY
                                                                                          STEGER_ADIPOGENESIS_DN, STEGER_ADIPOGENESIS_DN
                                                                                          MODULE_524, MODULE_524
                                                                                          GOBP_POSITIVE_REGULATION_OF_LYMPHOCYTE_MIGRATION, GOBP_POSITIVE_REGULATION_OF_LYMPHOCYTE_MIGRATION
                                                                                          GOBP_DETECTION_OF_STIMULUS_INVOLVED_IN_SENSORY_PERCEPTION_OF_PAIN, GOBP_DETECTION_OF_STIMULUS_INVOLVED_IN_SENSORY_PERCEPTION_OF_PAIN
                                                                                         HP_ORTHOSTATIC_HYPOTENSION_DUE_TO_AUTONOMIC_DYSFUNCTION, HP_ORTHOSTATIC_HYPOTENSION_DUE_TO_AUTONOMIC_DYSFUNCTION
                                                                                          GOBP_POSITIVE_REGULATION_OF_MACROPHAGE_DIFFERENTIATION, GOBP_POSITIVE_REGULATION_OF_MACROPHAGE_DIFFERENTIATION
                                                                                          GOBP_REGULATION_OF_SEQUESTERING_OF_TRIGLYCERIDE, GOBP_REGULATION_OF_SEQUESTERING_OF_TRIGLYCERIDE
                                                                                          GOBP_RAP_PROTEIN_SIGNAL_TRANSDUCTION, GOBP_RAP_PROTEIN_SIGNAL_TRANSDUCTION
                                                                                          GOMF_H4_HISTONE_ACETYLTRANSFERASE_ACTIVITY, GOMF_H4_HISTONE_ACETYLTRANSFERASE_ACTIVITY
                                                                                          GOMF_ARMADILLO_REPEAT_DOMAIN_BINDING, GOMF_ARMADILLO_REPEAT_DOMAIN_BINDING
                                                                                          GNF2_ATM, GNF2_ATM
                                                                                          REACTOME TLR3 MEDIATED TICAM1 DEPENDENT PROGRAMMED CELL DEATH, REACTOME TLR3 MEDIATED TICAM1 DEPENDENT PROGRAMMED CELL DEATH
                                                                                          HP_ANOMIA, HP_ANOMIA
                                                                                          MORF_THRA, MORF_THRA
                                                                                          HP_PROTRUSIO_ACETABULI, HP_PROTRUSIO_ACETABULI
                                                                                          HP_ESOPHAGEAL_CARCINOMA, HP_ESOPHAGEAL_CARCINOMA
                                                                                          GOBP_POSITIVE_REGULATION_OF_INTRACELLULAR_ESTROGEN_RECEPTOR_SIGNALING_PATHWAY, GOBP_POSITIVE_REGULATION_OF_INTRACELLULAR_ESTROGEN_RECEPTOR_SIGNALING_PATHWAY
                                                                                          GOMF_ACTIVIN_ACTIVATED_RECEPTOR_ACTIVITY, GOMF_ACTIVIN_ACTIVATED_RECEPTOR_ACTIVITY
                                                                                          GOBP_REGULATION_OF_STEM_CELL_DIVISION, GOBP_REGULATION_OF_STEM_CELL_DIVISION
                                                                                          GOBP_POSITIVE_REGULATION_OF_AUTOPHAGOSOME_ASSEMBLY, GOBP_POSITIVE_REGULATION_OF_AUTOPHAGOSOME_ASSEMBLY
                                                                                          GOBP_CELLULAR_RESPONSE_TO_THYROID_HORMONE_STIMULUS, GOBP_CELLULAR_RESPONSE_TO_THYROID_HORMONE_STIMULUS
                                                                                          GOBP_REGULATION_OF_T_CELL_MIGRATION, GOBP_REGULATION_OF_T_CELL_MIGRATION
                                                                                          REACTOME_REGULATION_BY_C_FLIP, REACTOME_REGULATION_BY_C_FLIP
                                                                                          GOBP_POSITIVE_REGULATION_OF_TOLERANCE_INDUCTION, GOBP_POSITIVE_REGULATION_OF_TOLERANCE_INDUCTION
                                                                                         GOBP_POSITIVE_REGULATION_OF_T_CELL_MIGRATION, GOBP_POSITIVE_REGULATION_OF_T_CELL_MIGRATION
                                                                                          GOBP_RESPONSE_TO_THYROID_HORMONE, GOBP_RESPONSE_TO_THYROID_HORMONE
                                                                                          MATSUMIYA_PBMC_MODIFIED_VACCINIA_ANKARA_VACCINE_AGE_18_55YO_HIGH_RESPONDERS_VS_LOW_RESPONDERS_0DY_UP, MATSUMIYA_PBMC_MODIFIED_VACCINIA_ANKARA_VACCINE_AGE_18_55YO_HIGH_RESPONDERS_VS_LOW_RESPONDERS_0DY_UP
                                                                                          GOBP_OLIGODENDROCYTE_DIFFERENTIATION, GOBP_OLIGODENDROCYTE_DIFFERENTIATION
                                                                                         GOBP_NEUROTRANSMITTER_RECEPTOR_TRANSPORT_ENDOSOME_TO_PLASMA_MEMBRANE, GOBP_NEUROTRANSMITTER_RECEPTOR_TRANSPORT_ENDOSOME_TO_PLASMA_MEMBRANE
                                                                                          MIR210_5P, MIR210_5P
                                                                                         GOBP_SENSORY_PERCEPTION_OF_PAIN, GOBP_SENSORY_PERCEPTION_OF_PAIN
                                                                                         GOBP_HEMATOPOIETIC_STEM_CELL_MIGRATION, GOBP_HEMATOPOIETIC_STEM_CELL_MIGRATION
                                                                                         GOBP_REGULATION_OF_SYNAPTIC_VESICLE_CYCLE, GOBP_REGULATION_OF_SYNAPTIC_VESICLE_CYCLE
                                                                                         GOBP_BIOLOGICAL_PROCESS_INVOLVED_IN_INTRASPECIES_INTERACTION_BETWEEN_ORGANISMS, GOBP_BIOLOGICAL_PROCESS_INVOLVED_IN_INTRASPECIES_INTERACTION_BETWEEN_ORGANISMS
                                                                                         GOBP_POSITIVE_REGULATION_OF_GRANULOCYTE_DIFFERENTIATION, GOBP_POSITIVE_REGULATION_OF_GRANULOCYTE_DIFFERENTIATION
                                                                                          GOMF_MYOSIN_LIGHT_CHAIN_BINDING, GOMF_MYOSIN_LIGHT_CHAIN_BINDING
                                                                                          chr10q24, chr10q24
                                                                                         GOBP_INACTIVATION_OF_MAPK_ACTIVITY, GOBP_INACTIVATION_OF_MAPK_ACTIVITY
                                                                                         GOBP_REGULATION_OF_GLIAL_CELL_DIFFERENTIATION, GOBP_REGULATION_OF_GLIAL_CELL_DIFFERENTIATION
                                                                                         GOBP_POSITIVE_REGULATION_OF_INTRACELLULAR_STEROID_HORMONE_RECEPTOR_SIGNALING_PATHWAY, GOBP_POSITIVE_REGULATION_OF_INTRACELLULAR_STEROID_HORMONE_RECEPTOR_SIGNALING_PATHWAY
                                                                                          GOBP_POSITIVE_REGULATION_OF_VACUOLE_ORGANIZATION, GOBP_POSITIVE_REGULATION_OF_VACUOLE_ORGANIZATION
                                                                                         HP_ANGIOKERATOMA, HP_ANGIOKERATOMA
                                                                                          GOBP_POSITIVE_REGULATION_OF_SYNAPTIC_VESICLE_ENDOCYTOSIS, GOBP_POSITIVE_REGULATION_OF_SYNAPTIC_VESICLE_ENDOCYTOSIS
                                                                                          GOMF_CCR2_CHEMOKINE_RECEPTOR_BINDING, GOMF_CCR2_CHEMOKINE_RECEPTOR_BINDING
                                                                                          GOBP_ER_ASSOCIATED_MISFOLDED_PROTEIN_CATABOLIC_PROCESS, GOBP_ER_ASSOCIATED_MISFOLDED_PROTEIN_CATABOLIC_PROCESS
                                                                                          GOBP_REGULATION_OF_L_GLUTAMATE_IMPORT_ACROSS_PLASMA_MEMBRANE, GOBP_REGULATION_OF_L_GLUTAMATE_IMPORT_ACROSS_PLASMA_MEMBRANE
                                                                                          GOBP_REGULATION_OF_CENTROMERE_COMPLEX_ASSEMBLY, GOBP_REGULATION_OF_CENTROMERE_COMPLEX_ASSEMBLY
                                                                                          HP_HETEROTAXY, HP_HETEROTAXY
                                                                                          GOBP_STORE_OPERATED_CALCIUM_ENTRY, GOBP_STORE_OPERATED_CALCIUM_ENTRY
                                                                                          MIR1914_3P, MIR1914_3P
                                                                                          HP_TORSION_DYSTONIA, HP_TORSION_DYSTONIA
                                                                                         GOBP_HISTONE_H3_K4_MONOMETHYLATION, GOBP_HISTONE_H3_K4_MONOMETHYLATION
                                                                                          GOBP_ENDOSOME_TO_PLASMA_MEMBRANE_PROTEIN_TRANSPORT, GOBP_ENDOSOME_TO_PLASMA_MEMBRANE_PROTEIN_TRANSPORT
                                                                                          GOMF_ARP2_3_COMPLEX_BINDING, GOMF_ARP2_3_COMPLEX_BINDING
                                                                                         HP_INTRACRANIAL_MENINGIOMA, HP_INTRACRANIAL_MENINGIOMA
                                                                                          FAN_EMBRYONIC_CTX_IN_4_INTERNEURON, FAN_EMBRYONIC_CTX_IN_4_INTERNEURON
                                                                                          HP_JOINT_CONTRACTURE_OF_THE_5TH_FINGER, HP_JOINT_CONTRACTURE_OF_THE_5TH_FINGER
                                                                                          REACTOME_PTK6_REGULATES_RTKS_AND_THEIR_EFFECTORS_AKT1_AND_DOK1, REACTOME_PTK6_REGULATES_RTKS_AND_THEIR_EFFECTORS_AKT1_AND_DOK1
                                                                                          GOCC_AP_1_ADAPTOR_COMPLEX, GOCC_AP_1_ADAPTOR_COMPLEX
                                                                                          GOCC_NSL_COMPLEX, GOCC_NSL_COMPLEX
                                                                                          GOMF_RNA_POLYMERASE_II_CTD_HEPTAPEPTIDE_REPEAT_PHOSPHATASE_ACTIVITY, GOMF_RNA_POLYMERASE_II_CTD_HEPTAPEPTIDE_REPEAT_PHOSPHATASE_ACTIVITY
                                                                                          GOMF_CASPASE_BINDING, GOMF_CASPASE_BINDING
                                                                                          GOBP_REGULATION_OF_BONE_REMODELING, GOBP_REGULATION_OF_BONE_REMODELING
                                                                                         HALMOS_CEBPA_TARGETS_DN, HALMOS_CEBPA_TARGETS_DN
                                                                                         HP AKINESIA, HP AKINESIA
                                                                                          GOBP_NEGATIVE_REGULATION_OF_ACTIN_FILAMENT_BUNDLE_ASSEMBLY, GOBP_NEGATIVE_REGULATION_OF_ACTIN_FILAMENT_BUNDLE_ASSEMBLY
                                                                                          GOBP_CARDIAC_MUSCLE_CELL_DIFFERENTIATION, GOBP_CARDIAC_MUSCLE_CELL_DIFFERENTIATION
                                                                                          GOBP_ACTIN_FILAMENT_REORGANIZATION, GOBP_ACTIN_FILAMENT_REORGANIZATION
                                                                                          GOBP_G_PROTEIN_COUPLED_GLUTAMATE_RECEPTOR_SIGNALING_PATHWAY, GOBP_G_PROTEIN_COUPLED_GLUTAMATE_RECEPTOR_SIGNALING_PATHWAY
                                                                                          GOMF_G_PROTEIN_ALPHA_SUBUNIT_BINDING, GOMF_G_PROTEIN_ALPHA_SUBUNIT_BINDING
                                                                                          HP_RECURRENT_HERPES, HP_RECURRENT_HERPES
                                                                                         GOBP_CANNABINOID_SIGNALING_PATHWAY, GOBP_CANNABINOID_SIGNALING_PATHWAY
                                                                                         HP_GASTROINTESTINAL_EOSINOPHILIA, HP_GASTROINTESTINAL_EOSINOPHILIA
                                                                                         GOBP_RESPIRATORY_BURST_INVOLVED_IN_INFLAMMATORY_RESPONSE, GOBP_RESPIRATORY_BURST_INVOLVED_IN_INFLAMMATORY_RESPONSE
                                                                                          GOBP_NEGATIVE_REGULATION_OF_GOLGI_TO_PLASMA_MEMBRANE_PROTEIN_TRANSPORT, GOBP_NEGATIVE_REGULATION_OF_GOLGI_TO_PLASMA_MEMBRANE_PROTEIN_TRANSPORT
                                                                                          GOBP_CELL_ADHESION_INVOLVED_IN_HEART_MORPHOGENESIS, GOBP_CELL_ADHESION_INVOLVED_IN_HEART_MORPHOGENESIS
                                                                                          GOBP_MRNA_3_END_PROCESSING_BY_STEM_LOOP_BINDING_AND_CLEAVAGE, GOBP_MRNA_3_END_PROCESSING_BY_STEM_LOOP_BINDING_AND_CLEAVAGE
                                                                                          REACTOME DEFECTIVE RIPK1 MEDIATED REGULATED NECROSIS, REACTOME DEFECTIVE RIPK1 MEDIATED REGULATED NECROSIS
                                                                                          GOMF C X C CHEMOKINE RECEPTOR ACTIVITY, GOMF C X C CHEMOKINE RECEPTOR ACTIVITY
                                                                                          REACTOME_LINOLEIC_ACID_LA_METABOLISM, REACTOME_LINOLEIC_ACID_LA_METABOLISM
                                                                                          YAMASHITA_SILENCED_BY_METHYLATION, YAMASHITA_SILENCED_BY_METHYLATION
                                                                                          GOBP_CYTOPLASMIC_SEQUESTERING_OF_NF_KAPPAB, GOBP_CYTOPLASMIC_SEQUESTERING_OF_NF_KAPPAB
                                                                                          GOCC_CHROMAFFIN_GRANULE_MEMBRANE, GOCC_CHROMAFFIN_GRANULE_MEMBRANE
                                                                                          GOMF_1_ALKYL_2_ACETYLGLYCEROPHOSPHOCHOLINE_ESTERASE_ACTIVITY, GOMF_1_ALKYL_2_ACETYLGLYCEROPHOSPHOCHOLINE_ESTERASE_ACTIVITY
                                                                                          GRADE_COLON_VS_RECTAL_CANCER_DN, GRADE_COLON_VS_RECTAL_CANCER_DN
                                                                                          GOMF_CARBON_NITROGEN_LYASE_ACTIVITY, GOMF_CARBON_NITROGEN_LYASE_ACTIVITY
                                                                                          HP_ABNORMAL_CD4_CD8_RATIO, HP_ABNORMAL_CD4_CD8_RATIO
                                                                                          MIR6795_3P, MIR6795_3P
                                                                                          HP_ABNORMAL_CENTRAL_SENSORY_FUNCTION, HP_ABNORMAL_CENTRAL_SENSORY_FUNCTION
                                                                                          GOCC MANCHETTE, GOCC MANCHETTE
                                                                                          HP_HYPOTHALAMIC_HYPOTHYROIDISM, HP_HYPOTHALAMIC_HYPOTHYROIDISM
                                                                                          HP_HEMIFACIAL_SPASM, HP_HEMIFACIAL_SPASM
                                                                                          GOMF_NEDD8_TRANSFERASE_ACTIVITY, GOMF_NEDD8_TRANSFERASE_ACTIVITY
                                                                                          GOBP_TRICUSPID_VALVE_DEVELOPMENT, GOBP_TRICUSPID_VALVE_DEVELOPMENT
                                                                                          GOBP_DETECTION_OF_MECHANICAL_STIMULUS_INVOLVED_IN_SENSORY_PERCEPTION_OF_PAIN, GOBP_DETECTION_OF_MECHANICAL_STIMULUS_INVOLVED_IN_SENSORY_PERCEPTION_OF_PAIN
                                                                                          HP_DECREASED_CIRCULATING_LUTEINIZING_HORMONE_LEVEL, HP_DECREASED_CIRCULATING_LUTEINIZING_HORMONE_LEVEL
                                                                                          GOBP_REGULATION_OF_ORGAN_GROWTH, GOBP_REGULATION_OF_ORGAN_GROWTH
                                                                                          HP_INAPPROPRIATE_SEXUAL_BEHAVIOR, HP_INAPPROPRIATE_SEXUAL_BEHAVIOR
                                                                                          GOBP REGULATION OF T CELL EXTRAVASATION, GOBP REGULATION OF T CELL EXTRAVASATION
                                                                                          GOBP POSITIVE REGULATION OF EPITHELIAL TO MESENCHYMAL TRANSITION INVOLVED IN ENDOCARDIAL CUSHION FORMATION, GOBP POSITIVE REGULATION OF EPITHELIAL TO MESENCHYMAL TRANSITION INVOLVED IN ENDOCARDIAL CUSHION FORMATION
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HOEK_B_CELL_2011_2012_TIV_ADULT_3DY_DN, HOEK_B_CELL_2011_2012_TIV_ADULT_3DY_DN

HP_ABNORMALITY_OF_PINEAL_MORPHOLOGY, HP_ABNORMALITY_OF_PINEAL_MORPHOLOGY

GOBP_N_ACYLETHANOLAMINE_METABOLIC_PROCESS, GOBP_N_ACYLETHANOLAMINE_METABOLIC_PROCESS

REACTOME_ARACHIDONATE_PRODUCTION_FROM_DAG, REACTOME_ARACHIDONATE_PRODUCTION_FROM_DAG

GOBP_NEGATIVE_REGULATION_OF_P38MAPK_CASCADE, GOBP_NEGATIVE_REGULATION_OF_P38MAPK_CASCADE

GOBP_TRACHEA_FORMATION, GOBP_TRACHEA_FORMATION

BIOCARTA_IL1R_PATHWAY, BIOCARTA_IL1R_PATHWAY

HP_ENTEROCOLITIS, HP_ENTEROCOLITIS

REACTOME_FASL_CD95L_SIGNALING, REACTOME_FASL_CD95L_SIGNALING

GSE9988_LOW_LPS_VS_CTRL_TREATED_MONOCYTE_DN, GSE9988_LOW_LPS_VS_CTRL_TREATED_MONOCYTE_DN

GSE13484_UNSTIM_VS_YF17D_VACCINE_STIM_PBMC_UP, GSE13484_UNSTIM_VS_YF17D_VACCINE_STIM_PBMC_UP

GSE22140_HEALTHY_VS_ARTHRITIC_MOUSE_CD4_TCELL_DN, GSE22140_HEALTHY_VS_ARTHRITIC_MOUSE_CD4_TCELL_DN

GSE7509_DC_VS_MONOCYTE_WITH_FCGRIIB_STIM_UP, GSE7509_DC_VS_MONOCYTE_WITH_FCGRIIB_STIM_UP

GSE16266_CTRL_VS_LPS_STIM_MEF_UP, GSE16266_CTRL_VS_LPS_STIM_MEF_UP

GSE9988 ANTI TREM1 VS ANTI TREM1 AND LPS MONOCYTE UP, GSE9988 ANTI TREM1 VS ANTI TREM1 AND LPS MONOCYTE UP