```
GSE19401_NAIVE_VS_IMMUNIZED_MOUSE_PLN_FOLLICULAR_DC_DN, GSE19401_NAIVE_VS_IMMUNIZED_MOUSE_PLN_FOLLICULAR_DC_DN
                                                                                                                           GSE36826_NORMAL_VS_STAPH_AUREUS_INF_SKIN_DN, GSE36826_NORMAL_VS_STAPH_AUREUS_INF_SKIN_DN
                                                                                                                           GSE36826_NORMAL_VS_STAPH_AUREUS_INF_IL1R_KO_SKIN_UP, GSE36826_NORMAL_VS_STAPH_AUREUS_INF_IL1R_KO_SKIN_UP
                                                                                                                           GSE2706_2H_VS_8H_R848_AND_LPS_STIM_DC_UP, GSE2706_2H_VS_8H_R848_AND_LPS_STIM_DC_UP
                                                                                                                          GSE11864_CSF1_VS_CSF1_PAM3CYS_IN_MAC_UP, GSE11864_CSF1_VS_CSF1_PAM3CYS_IN_MAC_UP
                                                                                                                          GSE21670_UNTREATED_VS_IL6_TREATED_STAT3_KO_CD4_TCELL_UP, GSE21670_UNTREATED_VS_IL6_TREATED_STAT3_KO_CD4_TCELL_UP
                                                                                                                          GSE41176_UNSTIM_VS_ANTI_IGM_STIM_BCELL_6H_UP, GSE41176_UNSTIM_VS_ANTI_IGM_STIM_BCELL_6H_UP
                                                                                                                          GSE45365_NK_CELL_VS_BCELL_MCMV_INFECTION_UP, GSE45365_NK_CELL_VS_BCELL_MCMV_INFECTION_UP
                                                                                                                          GSE11864_CSF1_VS_CSF1_IFNG_PAM3CYS_IN_MAC_UP, GSE11864_CSF1_VS_CSF1_IFNG_PAM3CYS_IN_MAC_UP
                                                                                                                          GSE36888_STAT5_AB_KNOCKIN_VS_WT_TCELL_IL2_TREATED_2H_UP, GSE36888_STAT5_AB_KNOCKIN_VS_WT_TCELL_IL2_TREATED_2H_UP
                                                                                                                          GSE37533 UNTREATED VS PIOGLIZATONE TREATED CD4 TCELL PPARG1 AND FOXP3 TRASDUCED DN, GSE37533 UNTREATED VS PIOGLIZATONE TREATED CD4 TCELL PPARG1 AND FOXP3 TRASDUCED DN
                                                                                                                          GSE360_CTRL_VS_L_DONOVANI_DC_UP, GSE360_CTRL_VS_L_DONOVANI_DC_UP
                                                                                                                          GSE22886_UNSTIM_VS_IL2_STIM_NKCELL_UP, GSE22886_UNSTIM_VS_IL2_STIM_NKCELL_UP
                                                                                                                          GSE36888_UNTREATED_VS_IL2_TREATED_TCELL_17H_UP, GSE36888_UNTREATED_VS_IL2_TREATED_TCELL_17H_UP
                                                                                                                          GSE3982_BCELL_VS_EFF_MEMORY_CD4_TCELL_UP, GSE3982_BCELL_VS_EFF_MEMORY_CD4_TCELL_UP
                                                                                                                          GSE30971_WBP7_HET_VS_KO_MACROPHAGE_4H_LPS_STIM_DN, GSE30971_WBP7_HET_VS_KO_MACROPHAGE_4H_LPS_STIM_DN
                                                                                                                          GSE14000_4H_VS_16H_LPS_DC_TRANSLATED_RNA_UP, GSE14000_4H_VS_16H_LPS_DC_TRANSLATED_RNA_UP
                                                                                                                          GSE19198_1H_VS_24H_IL21_TREATED_TCELL_UP, GSE19198_1H_VS_24H_IL21_TREATED_TCELL_UP
                                                                                                                          GSE33425_CD161_INT_VS_NEG_CD8_TCELL_DN, GSE33425_CD161_INT_VS_NEG_CD8_TCELL_DN
                                                                                                                          GSE12845_IGD_POS_BLOOD_VS_NAIVE_TONSIL_BCELL_UP, GSE12845_IGD_POS_BLOOD_VS_NAIVE_TONSIL_BCELL_UP
                                                                                                                          GSE36826_WT_VS_IL1R_KO_SKIN_UP, GSE36826_WT_VS_IL1R_KO_SKIN_UP
                                                                                                                          GSE9960_HEALTHY_VS_GRAM_POS_SEPSIS_PBMC_UP, GSE9960_HEALTHY_VS_GRAM_POS_SEPSIS_PBMC_UP
                                                                                                                          GSE19198_6H_VS_24H_IL21_TREATED_TCELL_DN, GSE19198_6H_VS_24H_IL21_TREATED_TCELL_DN
                                                                                                                          GSE32986_GMCSF_VS_GMCSF_AND_CURDLAN_HIGHDOSE_STIM_DC_UP, GSE32986_GMCSF_VS_GMCSF_AND_CURDLAN_HIGHDOSE_STIM_DC_UP
                                                                                                                          GSE1432_1H_VS_24H_IFNG_MICROGLIA_UP, GSE1432_1H_VS_24H_IFNG_MICROGLIA_UP
                                                                                                                          GSE24634_IL4_VS_CTRL_TREATED_NAIVE_CD4_TCELL_DAY5_UP, GSE24634_IL4_VS_CTRL_TREATED_NAIVE_CD4_TCELL_DAY5_UP
                                                                                                                          GSE3982_MAC_VS_TH2_UP, GSE3982_MAC_VS_TH2_UP
                                                                                                                          GSE360_T_GONDII_VS_B_MALAYI_HIGH_DOSE_MAC_DN, GSE360_T_GONDII_VS_B_MALAYI_HIGH_DOSE_MAC_DN
                                                                                                                          GSE3982_MEMORY_CD4_TCELL_VS_TH1_UP, GSE3982_MEMORY_CD4_TCELL_VS_TH1_UP
                                                                                                                          GSE5589_LPS_VS_LPS_AND_IL10_STIM_MACROPHAGE_45MIN_DN, GSE5589_LPS_VS_LPS_AND_IL10_STIM_MACROPHAGE_45MIN_DN
                                                                                                                          GSE24634_TEFF_VS_TCONV_DAY3_IN_CULTURE_DN, GSE24634_TEFF_VS_TCONV_DAY3_IN_CULTURE_DN
                                                                                                                          GSE2706_UNSTIM_VS_8H_R848_DC_UP, GSE2706_UNSTIM_VS_8H_R848_DC_UP
                                                                                                                          GSE11864_CSF1_VS_CSF1_IFNG_IN_MAC_UP, GSE11864_CSF1_VS_CSF1_IFNG_IN_MAC_UP
                                                                                                                          GSE22886_NAIVE_BCELL_VS_BLOOD_PLASMA_CELL_UP, GSE22886_NAIVE_BCELL_VS_BLOOD_PLASMA_CELL_UP
                                                                                                                          GOCC_COATED_VESICLE_MEMBRANE, GOCC_COATED_VESICLE_MEMBRANE
                                                                                                                          DESCARTES_FETAL_EYE_MICROGLIA, DESCARTES_FETAL_EYE_MICROGLIA
                                                                                                                          GSE43955_TH0_VS_TGFB_IL6_IL23_TH17_ACT_CD4_TCELL_60H_UP, GSE43955_TH0_VS_TGFB_IL6_IL23_TH17_ACT_CD4_TCELL_60H_UP
                                                                                                                          DESCARTES_FETAL_MUSCLE_MYELOID_CELLS, DESCARTES_FETAL_MUSCLE_MYELOID_CELLS
                                                                                                                          GNF2_CASP1, GNF2_CASP1
                                                                                                                          RODRIGUES_DCC_TARGETS_DN, RODRIGUES_DCC_TARGETS_DN
                                                                                                                          GSE29618_BCELL_VS_PDC_DAY7_FLU_VACCINE_UP, GSE29618_BCELL_VS_PDC_DAY7_FLU_VACCINE_UP
                                                                                                                          GSE22886_IGG_IGA_MEMORY_BCELL_VS_BLOOD_PLASMA_CELL_UP, GSE22886_IGG_IGA_MEMORY_BCELL_VS_BLOOD_PLASMA_CELL_UP
                                                                                                                          GSE22886 UNSTIM VS IL15 STIM NKCELL UP, GSE22886 UNSTIM VS IL15 STIM NKCELL UP
                                                                                                                          MIR593 5P, MIR593 5P
                                                                                                                          GSE19888_ADENOSINE_A3R_INH_VS_ACT_IN_MAST_CELL_DN, GSE19888_ADENOSINE_A3R_INH_VS_ACT_IN_MAST_CELL_DN
                                                                                                                          GOCC_ENDOCYTIC_VESICLE_MEMBRANE, GOCC_ENDOCYTIC_VESICLE_MEMBRANE
                                                                                                                          ATAAGCT_MIR21, ATAAGCT_MIR21
                                                                                                                          HP ABNORMAL CIRCULATING AMINO ACID CONCENTRATION, HP ABNORMAL CIRCULATING AMINO ACID CONCENTRATION
                                                                                                                          REACTOME CLATHRIN MEDIATED ENDOCYTOSIS, REACTOME CLATHRIN MEDIATED ENDOCYTOSIS
                                                                                                                          RUBENSTEIN_SKELETAL_MUSCLE_ENDOTHELIAL_CELLS, RUBENSTEIN_SKELETAL_MUSCLE_ENDOTHELIAL_CELLS
                                                                                                                           GOCC_CLATHRIN_COATED_VESICLE, GOCC_CLATHRIN_COATED_VESICLE
                                                                                                                          MIR4679, MIR4679
                                                                                                                          LEE_NEURAL_CREST_STEM_CELL_DN, LEE_NEURAL_CREST_STEM_CELL_DN
                                                                                                                          GSE35435_RESTING_VS_IL4_TREATED_MACROPHAGE_DN, GSE35435_RESTING_VS_IL4_TREATED_MACROPHAGE_DN
                                                                                                                          BYSTROEM_CORRELATED_WITH_IL5_DN, BYSTROEM_CORRELATED_WITH_IL5_DN
                                                                                                                          GSE3720_LPS_VS_PMA_STIM_VD1_GAMMADELTA_TCELL_UP, GSE3720_LPS_VS_PMA_STIM_VD1_GAMMADELTA_TCELL_UP
                                                                                                                          MODULE_188, MODULE_188
                                                                                                                          HP_LYMPHOPENIA, HP_LYMPHOPENIA
                                                                                                                          GSE19888_CTRL_VS_TCELL_MEMBRANES_ACT_MAST_CELL_PRETREAT_A3R_INH_UP, GSE19888_CTRL_VS_TCELL_MEMBRANES_ACT_MAST_CELL_PRETREAT_A3R_INH_UP
                                                                                                                          MODULE_238, MODULE_238
                                                                                                                          HOEBEKE_LYMPHOID_STEM_CELL_DN, HOEBEKE_LYMPHOID_STEM_CELL_DN
                                                                                                                          GOBP_RESPONSE_TO_MONOSACCHARIDE, GOBP_RESPONSE_TO_MONOSACCHARIDE
                                                                                                                          MODULE_301, MODULE_301
                                                                                                                          GOCC_CLATHRIN_COATED_VESICLE_MEMBRANE, GOCC_CLATHRIN_COATED_VESICLE_MEMBRANE
                                                                                                                          MODULE_361, MODULE_361
                                                                                                                          MIR6761_5P, MIR6761_5P
                                                                                                                          GSE3982_NKCELL_VS_TH1_UP, GSE3982_NKCELL_VS_TH1_UP
                                                                                                                          MIR874_3P, MIR874_3P
                                                                                                                          MIR193A_3P_MIR193B_3P, MIR193A_3P_MIR193B_3P
                                                                                                                          GNF2_MCL1, GNF2_MCL1
                                                                                                                          MODULE_436, MODULE_436
                                                                                                                          GOBP_INTEGRIN_MEDIATED_SIGNALING_PATHWAY, GOBP_INTEGRIN_MEDIATED_SIGNALING_PATHWAY
                                                                                                                          DESCARTES_FETAL_STOMACH_MYELOID_CELLS, DESCARTES_FETAL_STOMACH_MYELOID_CELLS
                                                                                                                          GOCC_TRANS_GOLGI_NETWORK_MEMBRANE, GOCC_TRANS_GOLGI_NETWORK_MEMBRANE
                                                                                                                           REACTOME_NEGATIVE_REGULATION_OF_THE_PI3K_AKT_NETWORK, REACTOME_NEGATIVE_REGULATION_OF_THE_PI3K_AKT_NETWORK
                                                                                                                           REACTOME_SIGNALING_BY_EGFR, REACTOME_SIGNALING_BY_EGFR
                                                                                                                           MIR4266, MIR4266
                                                                                                                           GOBP_CLATHRIN_DEPENDENT_ENDOCYTOSIS, GOBP_CLATHRIN_DEPENDENT_ENDOCYTOSIS
                                                                                                                           KEGG_INOSITOL_PHOSPHATE_METABOLISM, KEGG_INOSITOL_PHOSPHATE_METABOLISM
                                                                                                                           GOBP_CELLULAR_GLUCOSE_HOMEOSTASIS, GOBP_CELLULAR_GLUCOSE_HOMEOSTASIS
                                                                                                                           TOMLINS_PROSTATE_CANCER_UP, TOMLINS_PROSTATE_CANCER_UP
                                                                                                                           GOBP_POSITIVE_REGULATION_OF_LEUKOCYTE_PROLIFERATION, GOBP_POSITIVE_REGULATION_OF_LEUKOCYTE_PROLIFERATION
                                                                                                                           GOMF_MANGANESE_ION_BINDING, GOMF_MANGANESE_ION_BINDING
                                                                                                                           GARCIA\_PINERES\_PBMC\_HPV\_16\_L1\_VLP\_AGE\_18\_25YO\_STIMULATED\_VS\_UNSTIMULATED\_0DY\_VACCINATION\_INDEPENDENT\_DN, GARCIA\_PINERES\_PBMC\_HPV\_16\_L1\_VLP\_AGE\_18\_25YO\_STIMULATED\_VS\_UNSTIMULATED\_0DY\_VACCINATION\_INDEPENDENT\_DN, GARCIA\_PINERES\_PBMC\_HPV\_16\_L1\_VLP\_AGE\_18\_25YO\_STIMULATED\_0DY\_VACCINATION\_INDEPENDENT\_DN, GARCIA\_PINERES\_PBMC\_HPV\_16\_L1\_VLP\_AGE\_18\_25YO\_STIMULATED\_0DY\_VACCINATION\_PINERES\_PBMC\_HPV\_16\_L1\_VLP\_AGE\_18\_25YO\_STIMULATED\_0DY\_VACCINATION\_PINERES\_PBMC\_HPV\_16\_L1\_VLP\_AGE\_18\_25YO\_STIMULATED\_0DY\_VACCINATION\_PINERES\_PBMC\_HPV\_16\_L1\_VLP\_AGE\_18\_25YO\_STIMULATED\_0DY\_NATION\_PINERES\_18\_25YO\_STIMULATED\_0DY\_NATION\_PINERES\_18\_25YO\_STIMULATED\_18\_25YO\_STIMULATED\_18\_25YO\_STIMULATED\_18\_25YO\_STIMULATED\_18\_25YO\_18\_25YO\_18\_25YO\_18\_25YO\_18\_25YO\_18\_25YO\_18\_25YO\_18\_25YO\_18\_25YO\_18\_25YO\_18\_25YO\_18\_25YO\_18\_25YO\_18\_25YO\_18\_25YO_18\_25YO\_18\_25YO\_18\_25YO\_18\_25YO\_18\_25YO\_18\_25YO\_18\_25YO\_18\_25YO\_18\_25YO\_18\_25YO\_18\_25YO\_18\_25YO\_18\_25YO\_18\_25YO\_18\_25YO\_18\_25YO\_18\_25YO\_18\_25YO\_18\_25YO\_18\_25YO\_18\_25YO\_18\_25YO\_18\_25YO\_18\_25YO\_18\_25YO\_18\_25YO\_18\_25YO\_18\_25YO\_18\_25YO\_18\_25YO\_18\_25YO\_18\_25YO\_18
                                                                                                                           MODULE_145, MODULE_145
                                                                                                                           MIR589 5P, MIR589 5P
                                                                                                                           GOBP_CELLULAR_RESPONSE_TO_CARBOHYDRATE_STIMULUS, GOBP_CELLULAR_RESPONSE_TO_CARBOHYDRATE_STIMULUS
                                                                                                                           GOMF PROTEIN PHOSPHORYLATED AMINO ACID BINDING, GOMF PROTEIN PHOSPHORYLATED AMINO ACID BINDING
                                                                                                                           HP_SKIN_RASH, HP_SKIN_RASH
                                                                                                                          KIM_GERMINAL_CENTER_T_HELPER_UP, KIM_GERMINAL_CENTER_T_HELPER_UP
                                                                                                                           TOMLINS_PROSTATE_CANCER_DN, TOMLINS_PROSTATE_CANCER_DN
                                                                                                                           MIR3616_3P, MIR3616_3P
                                                                                                                          DAVICIONI_RHABDOMYOSARCOMA_PAX_FOXO1_FUSION_UP, DAVICIONI_RHABDOMYOSARCOMA_PAX_FOXO1_FUSION_UP
                                                                                                                          GSE13522_WT_VS_IFNG_KO_SKING_T_CRUZI_Y_STRAIN_INF_DN, GSE13522_WT_VS_IFNG_KO_SKING_T_CRUZI_Y_STRAIN_INF_DN
VS IL3 IL33 TREATED MAST CELL UP, GSE39382 IL3 VS IL3 IL33 TREATED MAST CELL UP
                                                                                                                           GOBP CELLULAR MODIFIED AMINO ACID BIOSYNTHETIC PROCESS, GOBP CELLULAR MODIFIED AMINO ACID BIOSYNTHETIC PROCESS
                                                                                                                           HP_ABNORMAL_PLEURA_MORPHOLOGY, HP_ABNORMAL_PLEURA_MORPHOLOGY
                                                                                                                          HP_DECREASED_ACTIVITY_OF_MITOCHONDRIAL_COMPLEX_IV, HP_DECREASED_ACTIVITY_OF_MITOCHONDRIAL_COMPLEX_IV
                                                                                                                           KEGG_LEISHMANIA_INFECTION, KEGG_LEISHMANIA_INFECTION
                                                                                                                           GOBP PHOSPHOLIPID CATABOLIC PROCESS, GOBP PHOSPHOLIPID CATABOLIC PROCESS
                                                                                                                           HALLMARK_COAGULATION, HALLMARK_COAGULATION
                                                                                                                           GOBP_PHOSPHATIDYLINOSITOL_PHOSPHORYLATION, GOBP_PHOSPHATIDYLINOSITOL_PHOSPHORYLATION
                                                                                                                           TRAVAGLINI LUNG IGSF21 DENDRITIC CELL, TRAVAGLINI LUNG IGSF21 DENDRITIC CELI
                                                                                                                           MIR483_3P, MIR483_3P
                                                                                                                           KUNINGER IGF1 VS PDGFB TARGETS UP, KUNINGER IGF1 VS PDGFB TARGETS UP
                                                                                                                           KEGG_VIRAL_MYOCARDITIS, KEGG_VIRAL_MYOCARDITIS
                                                                                                                           FULLER_PBMC_F_TULARENSIS_VACCINE_LVS_AGE_22_54YO_18HR_UP, FULLER_PBMC_F_TULARENSIS_VACCINE_LVS_AGE_22_54YO_18HR_UP
                                                                                                                           KEGG_PYRUVATE_METABOLISM, KEGG_PYRUVATE_METABOLISM
                                                                                                                           GOCC_PLASMA_MEMBRANE_RAFT, GOCC_PLASMA_MEMBRANE_RAFT
                                                                                                                           RAMALHO_STEMNESS_DN, RAMALHO_STEMNESS_DN
                                                                                                                           GCM_AQP4, GCM_AQP4
                                                                                                                           HP_PULMONARY_FIBROSIS, HP_PULMONARY_FIBROSIS
                                                                                                                           KIM_LRRC3B_TARGETS, KIM_LRRC3B_TARGETS
                                                                                                                          GOMF_OXIDOREDUCTASE_ACTIVITY_ACTING_ON_THE_ALDEHYDE_OR_OXO_GROUP_OF_DONORS_NAD_OR_NADP_AS_ACCEPTOR, GOMF_OXIDOREDUCTASE_ACTIVITY_ACTING_ON_THE_ALDEHYDE_OXIDOREDUCTASE_ACTIVITY_ACTING_OXIDOREDUCTASE_ACTIVITY_ACTING_OXIDOREDUCTASE_ACTIVITY_ACTING_OXIDOREDUCTASE_ACTIVITY_ACTING_OXIDOREDUCTASE_ACTIVITY_ACTING_OXIDOREDUCTASE_ACTIVITY_ACTING_OXIDOREDUCTASE_ACTIVITY_ACTING_OXIDOREDUCTASE_ACTIVITY_ACTING_OXIDOREDUCTASE_ACTIVITY_ACTING_OXIDOREDUCTASE_ACTIVITY_ACTING_OXIDOREDUCTASE_ACTIVITY_ACTING_OXIDOREDUCTASE_ACTIVITY_ACTING_OXIDOREDUCTASE_ACTIVITY_ACTING_OXIDOREDUCTASE_ACTIVITY_ACTING_OXIDOREDUCTASE_ACTIVITY_ACTING_OXIDOREDUCTASE_ACTIVITY_ACTING_OXIDOREDUCTASE_ACTIVITY_ACTING_OXIDOR
                                                                                                                           NAKAMURA_ADIPOGENESIS_EARLY_UP, NAKAMURA_ADIPOGENESIS_EARLY_UP
                                                                                                                          SIX4_TARGET_GENES, SIX4_TARGET_GENES
                                                                                                                          GOBP_ICOSANOID_METABOLIC_PROCESS, GOBP_ICOSANOID_METABOLIC_PROCESS
                                                                                                                           GOMF_OXIDOREDUCTASE_ACTIVITY_ACTING_ON_THE_ALDEHYDE_OR_OXO_GROUP_OF_DONORS, GOMF_OXIDOREDUCTASE_ACTIVITY_ACTING_ON_THE_ALDEHYDE_OR_OXO_GROUP_OF_DONORS
                                                                                                                          GOBP_POSITIVE_REGULATION_OF_PEPTIDYL_TYROSINE_PHOSPHORYLATION, GOBP_POSITIVE_REGULATION_OF_PEPTIDYL_TYROSINE_PHOSPHORYLATION
                                                                                                                           AR_02, AR_02
                                                                                                                          MIR3622B 5P, MIR3622B 5P
                                                                                                                          HP_ABNORMAL_B_CELL_MORPHOLOGY, HP_ABNORMAL_B_CELL_MORPHOLOGY
                                                                                                                          HP_ORAL_ULCER, HP_ORAL_ULCER
                                                                                                                          HP_HEMIPLEGIA, HP_HEMIPLEGIA
                                                                                                                          GOMF_O_METHYLTRANSFERASE_ACTIVITY, GOMF_O_METHYLTRANSFERASE_ACTIVITY
                                                                                                                          GYORFFY_MITOXANTRONE_RESISTANCE, GYORFFY_MITOXANTRONE_RESISTANCE
                                                                                                                          GOBP_GLYCEROPHOSPHOLIPID_CATABOLIC_PROCESS, GOBP_GLYCEROPHOSPHOLIPID_CATABOLIC_PROCESS
                                                                                                                          REACTOME_ANTIGEN_ACTIVATES_B_CELL_RECEPTOR_BCR_LEADING_TO_GENERATION_OF_SECOND_MESSENGERS, REACTOME_ANTIGEN_ACTIVATES_B_CELL_RECEPTOR_BCR_LEADING_TO_GENERATION_OF_SECOND_MESSENGERS
                                                                                                                          FULLER_PBMC_F_TULARENSIS_VACCINE_LVS_AGE_22_54YO_336HR_DN, FULLER_PBMC_F_TULARENSIS_VACCINE_LVS_AGE_22_54YO_336HR_DN
                                                                                                                          HOQUE_METHYLATED_IN_CANCER, HOQUE_METHYLATED_IN_CANCER
                                                                                                                          GOBP_REGULATION_OF_CELL_ADHESION_MEDIATED_BY_INTEGRIN, GOBP_REGULATION_OF_CELL_ADHESION_MEDIATED_BY_INTEGRIN
                                                                                                                          MIR6748_5P, MIR6748_5P
                                                                                                                          GOMF_NADP_BINDING, GOMF_NADP_BINDING
                                                                                                                           YAO_HOXA10_TARGETS_VIA_PROGESTERONE_UP, YAO_HOXA10_TARGETS_VIA_PROGESTERONE_UP
                                                                                                                          FULLER_PBMC_F_TULARENSIS_VACCINE_LVS_AGE_22_54YO_192HR_DN, FULLER_PBMC_F_TULARENSIS_VACCINE_LVS_AGE_22_54YO_192HR_DN
                                                                                                                          DURANTE_ADULT_OLFACTORY_NEUROEPITHELIUM_MONOCYTES, DURANTE_ADULT_OLFACTORY_NEUROEPITHELIUM_MONOCYTES
                                                                                                                          HP_ABNORMAL_CIRCULATING_NON_PROTEINOGENIC_AMINO_ACID_CONCENTRATION, HP_ABNORMAL_CIRCULATING_NON_PROTEINOGENIC_AMINO_ACID_CONCENTRATION
                                                                                                                          MIR454 5P, MIR454 5P
                                                                                                                          GOBP_B_CELL_RECEPTOR_SIGNALING_PATHWAY, GOBP_B_CELL_RECEPTOR_SIGNALING_PATHWAY
                                                                                                                           ATM_TARGET_GENES, ATM_TARGET_GENES
                                                                                                                          MODULE_448, MODULE_448
                                                                                                                          AGARWAL_AKT_PATHWAY_TARGETS, AGARWAL_AKT_PATHWAY_TARGETS
                                                                                                                          HP_INCREASED_URINARY_NON_PROTEINOGENIC_AMINO_ACID_LEVEL, HP_INCREASED_URINARY_NON_PROTEINOGENIC_AMINO_ACID_LEVEL
                                                                                                                          REACTOME_AFLATOXIN_ACTIVATION_AND_DETOXIFICATION, REACTOME_AFLATOXIN_ACTIVATION_AND_DETOXIFICATION
                                                                                                                          REACTOME_HS_GAG_DEGRADATION, REACTOME_HS_GAG_DEGRADATION
                                                                                                                          GOMF_ALDEHYDE_DEHYDROGENASE_NAD_P_PLUS_ACTIVITY, GOMF_ALDEHYDE_DEHYDROGENASE_NAD_P_PLUS_ACTIVITY
                                                                                                                          GOCC_CLATHRIN_COATED_ENDOCYTIC_VESICLE, GOCC_CLATHRIN_COATED_ENDOCYTIC_VESICLE
                                                                                                                          GOBP_INOSITOL_METABOLIC_PROCESS, GOBP_INOSITOL_METABOLIC_PROCESS
                                                                                                                          HP_CEREBELLAR_VERMIS_ATROPHY, HP_CEREBELLAR_VERMIS_ATROPHY
                                                                                                                          GUILLAUMOND_KLF10_TARGETS_DN, GUILLAUMOND_KLF10_TARGETS_DN
                                                                                                                          GOBP_REGULATION_OF_CELL_MIGRATION_INVOLVED_IN_SPROUTING_ANGIOGENESIS, GOBP_REGULATION_OF_CELL_MIGRATION_INVOLVED_IN_SPROUTING_ANGIOGENESIS
                                                                                                                          HP_URINARY_GLYCOSAMINOGLYCAN_EXCRETION, HP_URINARY_GLYCOSAMINOGLYCAN_EXCRETION
                                                                                                                          KEGG_TYPE_II_DIABETES_MELLITUS, KEGG_TYPE_II_DIABETES_MELLITUS
                                                                                                                          SMID_BREAST_CANCER_ERBB2_UP, SMID_BREAST_CANCER_ERBB2_UP
                                                                                                                          GOMF_PROLINE_RICH_REGION_BINDING, GOMF_PROLINE_RICH_REGION_BINDING
                                                                                                                          HP_RECURRENT_ASPIRATION_PNEUMONIA, HP_RECURRENT_ASPIRATION_PNEUMONIA
                                                                                                                          GOBP_REGULATION_OF_ADIPOSE_TISSUE_DEVELOPMENT, GOBP_REGULATION_OF_ADIPOSE_TISSUE_DEVELOPMENT
                                                                                                                          GOCC_BETA_CATENIN_DESTRUCTION_COMPLEX, GOCC_BETA_CATENIN_DESTRUCTION_COMPLEX
                                                                                                                          GOBP ENDOTHELIAL CELL PROLIFERATION, GOBP ENDOTHELIAL CELL PROLIFERATION
                                                                                                                          HP_INCREASED_CIRCULATING_IGG_LEVEL, HP_INCREASED_CIRCULATING_IGG_LEVEL
                                                                                                                          GOMF_LIPOPROTEIN_PARTICLE_RECEPTOR_BINDING, GOMF_LIPOPROTEIN_PARTICLE_RECEPTOR_BINDING
                                                                                                                          GOMF_SERINE_HYDROLASE_ACTIVITY, GOMF_SERINE_HYDROLASE_ACTIVITY
                                                                                                                          HP_PERIVENTRICULAR_NODULAR_HETEROTOPIA, HP_PERIVENTRICULAR_NODULAR_HETEROTOPIA
                                                                                                                          GOBP_INSULIN_LIKE_GROWTH_FACTOR_RECEPTOR_SIGNALING_PATHWAY, GOBP_INSULIN_LIKE_GROWTH_FACTOR_RECEPTOR_SIGNALING_PATHWAY
                                                                                                                          REACTOME_CELL_SURFACE_INTERACTIONS_AT_THE_VASCULAR_WALL, REACTOME_CELL_SURFACE_INTERACTIONS_AT_THE_VASCULAR_WALL
                                                                                                                          REACTOME_PI3K_EVENTS_IN_ERBB4_SIGNALING, REACTOME_PI3K_EVENTS_IN_ERBB4_SIGNALING
                                                                                                                          GEISS_RESPONSE_TO_DSRNA_DN, GEISS_RESPONSE_TO_DSRNA_DN
                                                                                                                          BIOCARTA_PGC1A_PATHWAY, BIOCARTA_PGC1A_PATHWAY
                                                                                                                          GOBP_LEARNED_VOCALIZATION_BEHAVIOR_OR_VOCAL_LEARNING, GOBP_LEARNED_VOCALIZATION_BEHAVIOR_OR_VOCAL_LEARNING
                                                                                                                          WP_METAPATHWAY_BIOTRANSFORMATION_PHASE_I_AND_II, WP_METAPATHWAY_BIOTRANSFORMATION_PHASE_I_AND_II
                                                                                                                          GOBP_CALCITONIN_FAMILY_RECEPTOR_SIGNALING_PATHWAY, GOBP_CALCITONIN_FAMILY_RECEPTOR_SIGNALING_PATHWAY
                                                                                                                          DESCARTES_MAIN_FETAL_AFP_ALB_POSITIVE_CELLS, DESCARTES_MAIN_FETAL_AFP_ALB_POSITIVE_CELLS
                                                                                                                          GOBP_MUSCLE_ATROPHY, GOBP_MUSCLE_ATROPHY
                                                                                                                          GOMF_CYCLASE_ACTIVITY, GOMF_CYCLASE_ACTIVITY
                                                                                                                          MODULE_194, MODULE_194
                                                                                                                          GOMF_NADPH_BINDING, GOMF_NADPH_BINDING
                                                                                                                          GOBP_VOCAL_LEARNING, GOBP_VOCAL_LEARNING
                                                                                                                           BUCASAS_PBMC_FLUARIX_FLUVIRIN_CAUCASIAN_MALE_AGE_18_40YO_HIGH_RESPONDERS_1DY_3DY_POSITIVE_PREDICTIVE_OF_TITER, BUCASAS_PBMC_FLUARIX_FLUVIRIN_CAUCASIAN_MALE_AGE_18_40YO_HIGH_RESPONDERS_1DY_3DY_POSITIVE
                                                                                                                           GOBP_MACROMOLECULE_DEPALMITOYLATION, GOBP_MACROMOLECULE_DEPALMITOYLATION
                                                                                                                          GOMF PALMITOYL PROTEIN HYDROLASE ACTIVITY, GOMF PALMITOYL PROTEIN HYDROLASE ACTIVITY
                                                                                                                          HP_ABNORMAL_ANTERIOR_CHAMBER_MORPHOLOGY, HP_ABNORMAL_ANTERIOR_CHAMBER_MORPHOLOGY
                                                                                                                           HP_RECURRENT_INTRAPULMONARY_HEMORRHAGE, HP_RECURRENT_INTRAPULMONARY_HEMORRHAGE
                                                                                                                          GOBP_POSITIVE_REGULATION_OF_MORPHOGENESIS_OF_AN_EPITHELIUM, GOBP_POSITIVE_REGULATION_OF_MORPHOGENESIS_OF_AN_EPITHELIUM
                                                                                                                          GOBP_URONIC_ACID_METABOLIC_PROCESS, GOBP_URONIC_ACID_METABOLIC_PROCESS
                                                                                                                           GOMF_LOW_DENSITY_LIPOPROTEIN_PARTICLE_RECEPTOR_BINDING, GOMF_LOW_DENSITY_LIPOPROTEIN_PARTICLE_RECEPTOR_BINDING
                                                                                                                           HP_HYDROXYPROLINURIA, HP_HYDROXYPROLINURIA
                                                                                                                           GOBP_POSITIVE_REGULATION_OF_CARDIAC_MUSCLE_ADAPTATION, GOBP_POSITIVE_REGULATION_OF_CARDIAC_MUSCLE_ADAPTATION
                                                                                                                           GOBP_MONOACYLGLYCEROL_CATABOLIC_PROCESS, GOBP_MONOACYLGLYCEROL_CATABOLIC_PROCESS
                                                                                                                          GOBP_NEGATIVE_REGULATION_OF_MUSCLE_CELL_DIFFERENTIATION, GOBP_NEGATIVE_REGULATION_OF_MUSCLE_CELL_DIFFERENTIATION
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GSE369 PRE VS POST IL6 INJECTION SOCS3 KO LIVER DN, GSE369 PRE VS POST IL6 INJECTION SOCS3 KO LIVER DN