```
GSE13485_DAY3_VS_DAY21_YF17D_VACCINE_PBMC_UP, GSE13485_DAY3_VS_DAY21_YF17D_VACCINE_PBMC_UP
                                                                                             GSE13485_DAY7_VS_DAY21_YF17D_VACCINE_PBMC_UP, GSE13485_DAY7_VS_DAY21_YF17D_VACCINE_PBMC_UP
                                                                                            THAKAR_PBMC_INACTIVATED_INFLUENZA_AGE_70PLS_NONRESPONDER_2DY_DN, THAKAR_PBMC_INACTIVATED_INFLUENZA_AGE_70PLS_NONRESPONDER_2DY_DN
                                                                                            GSE13485_DAY1_VS_DAY21_YF17D_VACCINE_PBMC_UP, GSE13485_DAY1_VS_DAY21_YF17D_VACCINE_PBMC_UP
                                                                                            GOBP_VACUOLAR_TRANSPORT, GOBP_VACUOLAR_TRANSPORT
                                                                                            GSE21033_1H_VS_12H_POLYIC_STIM_DC_UP, GSE21033_1H_VS_12H_POLYIC_STIM_DC_UP
                                                                                            GOCC_LATE_ENDOSOME_MEMBRANE, GOCC_LATE_ENDOSOME_MEMBRANE
                                                                                            GSE15324_NAIVE_VS_ACTIVATED_CD8_TCELL_UP, GSE15324_NAIVE_VS_ACTIVATED_CD8_TCELL_UP
                                                                                            GSE26928_NAIVE_VS_EFF_MEMORY_CD4_TCELL_DN, GSE26928_NAIVE_VS_EFF_MEMORY_CD4_TCELL_DN
                                                                                            GSE17721_LPS_VS_GARDIQUIMOD_0.5H_BMDC_DN, GSE17721_LPS_VS_GARDIQUIMOD_0.5H_BMDC_DN
                                                                                            PID_VEGFR1_2_PATHWAY, PID_VEGFR1_2_PATHWAY
                                                                                            GACAATC_MIR219, GACAATC_MIR219
                                                                                            MIR578, MIR578
                                                                                            MIR5703, MIR5703
                                                                                            GOBP LYSOSOMAL TRANSPORT, GOBP LYSOSOMAL TRANSPORT
                                                                                            MIR4434, MIR4434
                                                                                            MIR4430, MIR4430
                                                                                            GOMF_NUCLEAR_RECEPTOR_BINDING, GOMF_NUCLEAR_RECEPTOR_BINDING
                                                                                            GSE24574_BCL6_HIGH_TFH_VS_TCONV_CD4_TCELL_UP, GSE24574_BCL6_HIGH_TFH_VS_TCONV_CD4_TCELL_UP
                                                                                             GSE29618_PRE_VS_DAY7_POST_LAIV_FLU_VACCINE_MONOCYTE_UP, GSE29618_PRE_VS_DAY7_POST_LAIV_FLU_VACCINE_MONOCYTE_UP
                                                                                             MODULE_223, MODULE_223
                                                                                             MIR7515, MIR7515
                                                                                             MIR4739, MIR4739
                                                                                            MIR512_3P, MIR512_3P
                                                                                            GOMF STEROID HORMONE RECEPTOR BINDING, GOMF STEROID HORMONE RECEPTOR BINDING
                                                                                             GOBP_LIPOPROTEIN_BIOSYNTHETIC_PROCESS, GOBP_LIPOPROTEIN_BIOSYNTHETIC_PROCESS
                                                                                             MIR3918, MIR3918
                                                                                             MIR1321, MIR1321
                                                                                             GOBP_ENDOSOME_TO_LYSOSOME_TRANSPORT, GOBP_ENDOSOME_TO_LYSOSOME_TRANSPORT
                                                                                             MIR4756_5P, MIR4756_5P
                                                                                            GAGCCTG_MIR484, GAGCCTG_MIR484
                                                                                             MIR11181_5P, MIR11181_5P
                                                                                            CTCTGGA_MIR520A_MIR525, CTCTGGA_MIR520A_MIR525
                                                                                            BENITEZ_GBM_PROTEASOME_INHIBITION_RESPONSE, BENITEZ_GBM_PROTEASOME_INHIBITION_RESPONSE
                                                                                             THAKAR_PBMC_INACTIVATED_INFLUENZA_AGE_21_30YO_NONRESPONDER_7DY_DN, THAKAR_PBMC_INACTIVATED_INFLUENZA_AGE_21_30YO_NONRESPONDER_7DY_DN
                                                                                            GOMF_SMAD_BINDING, GOMF_SMAD_BINDING
                                                                                             MIR6851_5P, MIR6851_5P
                                                                                            MIR4691_3P, MIR4691_3P
                                                                                             GOMF_SNARE_BINDING, GOMF_SNARE_BINDING
                                                                                            GOMF_PROTEIN_TYROSINE_KINASE_BINDING, GOMF_PROTEIN_TYROSINE_KINASE_BINDING
                                                                                            MIR6752 5P, MIR6752 5P
                                                                                            GSE6269 HEALTHY VS STAPH AUREUS INF PBMC DN, GSE6269 HEALTHY VS STAPH AUREUS INF PBMC DN
                                                                                            MIR6819_5P, MIR6819_5P
DAY21_YF17D_VACCINE_PBMC_UP, GSE13485_CTRL_VS_DAY21_YF17D_VACCINE_PBMC_UP
                                                                                            THAKAR_PBMC_INACTIVATED_INFLUENZA_AGE_21_30YO_NONRESPONDER_28DY_DN, THAKAR_PBMC_INACTIVATED_INFLUENZA_AGE_21_30YO_NONRESPONDER_28DY_DN
                                                                                            WP INTEGRINMEDIATED CELL ADHESION, WP INTEGRINMEDIATED CELL ADHESION
                                                                                            MIR3689D, MIR3689D
                                                                                             MIR660 5P, MIR660 5P
                                                                                            GOMF_RECEPTOR_TYROSINE_KINASE_BINDING, GOMF_RECEPTOR_TYROSINE_KINASE_BINDING
                                                                                             REACTOME_INTRA_GOLGI_TRAFFIC, REACTOME_INTRA_GOLGI_TRAFFIC
                                                                                             MIR4326, MIR4326
                                                                                             HP LOWER LIMB MUSCLE WEAKNESS, HP LOWER LIMB MUSCLE WEAKNESS
                                                                                             GCTGAGT MIR5125P, GCTGAGT MIR5125P
                                                                                            GOBP_PROTEIN_TARGETING_TO_VACUOLE, GOBP_PROTEIN_TARGETING_TO_VACUOLE
                                                                                            WP_ESC_PLURIPOTENCY_PATHWAYS, WP_ESC_PLURIPOTENCY_PATHWAYS
                                                                                            WP NEURODEGENERATION WITH BRAIN IRON ACCUMULATION NBIA SUBTYPES PATHWAY, WP NEURODEGENERATION WITH BRAIN IRON ACCUMULATION NBIA SUBTYPES
                                                                                             GOBP_VIRAL_RELEASE_FROM_HOST_CELL, GOBP_VIRAL_RELEASE_FROM_HOST_CELL
                                                                                            GOMF_SYNTAXIN_BINDING, GOMF_SYNTAXIN_BINDING
                                                                                             GOCC_PHAGOPHORE_ASSEMBLY_SITE, GOCC_PHAGOPHORE_ASSEMBLY_SITE
                                                                                             GSE13522_CTRL_VS_T_CRUZI_BRAZIL_STRAIN_INF_SKIN_UP, GSE13522_CTRL_VS_T_CRUZI_BRAZIL_STRAIN_INF_SKIN_UP
                                                                                             MIR6816_3P, MIR6816_3P
                                                                                            PKCA_DN.V1_DN, PKCA_DN.V1_DN
                                                                                            GOBP_NEGATIVE_REGULATION_OF_BMP_SIGNALING_PATHWAY, GOBP_NEGATIVE_REGULATION_OF_BMP_SIGNALING_PATHWAY
                                                                                            HP_ABSENT_THUMBNAIL, HP_ABSENT_THUMBNAIL
                                                                                            NME2_TARGET_GENES, NME2_TARGET_GENES
                                                                                            GOBP_ACTIN_FILAMENT_BASED_TRANSPORT, GOBP_ACTIN_FILAMENT_BASED_TRANSPORT
                                                                                            GCM_TEC, GCM_TEC
                                                                                            GOCC_CATENIN_COMPLEX, GOCC_CATENIN_COMPLEX
                                                                                            GOBP_REGULATION_OF_CALCIUM_ION_IMPORT, GOBP_REGULATION_OF_CALCIUM_ION_IMPORT
                                                                                            WANG_BARRETTS_ESOPHAGUS_UP, WANG_BARRETTS_ESOPHAGUS_UP
                                                                                            GOBP_NEGATIVE_REGULATION_OF_VIRAL_RELEASE_FROM_HOST_CELL, GOBP_NEGATIVE_REGULATION_OF_VIRAL_RELEASE_FROM_HOST_CELL
                                                                                            REACTOME_GAB1_SIGNALOSOME, REACTOME_GAB1_SIGNALOSOME
                                                                                            MIR4790_5P, MIR4790_5P
                                                                                            GOBP_ENTRY_OF_BACTERIUM_INTO_HOST_CELL, GOBP_ENTRY_OF_BACTERIUM_INTO_HOST_CELL
                                                                                            REACTOME_SHC1_EVENTS_IN_EGFR_SIGNALING, REACTOME_SHC1_EVENTS_IN_EGFR_SIGNALING
                                                                                            REACTOME_SHC1_EVENTS_IN_ERBB4_SIGNALING, REACTOME_SHC1_EVENTS_IN_ERBB4_SIGNALING
                                                                                            REACTOME_PI3K_EVENTS_IN_ERBB2_SIGNALING, REACTOME_PI3K_EVENTS_IN_ERBB2_SIGNALING
                                                                                            REACTOME_GRB2_EVENTS_IN_ERBB2_SIGNALING, REACTOME_GRB2_EVENTS_IN_ERBB2_SIGNALING
                                                                                            GOBP_EMBRYONIC_SKELETAL_JOINT_DEVELOPMENT, GOBP_EMBRYONIC_SKELETAL_JOINT_DEVELOPMENT
                                                                                            GOCC_VARICOSITY, GOCC_VARICOSITY
                                                                                            HP_NEONATAL_INSULIN_DEPENDENT_DIABETES_MELLITUS, HP_NEONATAL_INSULIN_DEPENDENT_DIABETES_MELLITUS
                                                                                            GOBP_EMBRYONIC_SKELETAL_JOINT_MORPHOGENESIS, GOBP_EMBRYONIC_SKELETAL_JOINT_MORPHOGENESIS
                                                                                            GOBP CANONICAL WNT SIGNALING PATHWAY INVOLVED IN REGULATION OF CELL PROLIFERATION, GOBP CANONICAL WNT SIGNALING PATHWAY INVOLVED IN REGULA
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HP_RETINAL_PERFORATION, HP_RETINAL_PERFORATION

XU GH1 EXOGENOUS TARGETS UP, XU GH1 EXOGENOUS TARGETS UP

GOBP_POSITIVE_REGULATION_OF_HEART_RATE, GOBP_POSITIVE_REGULATION_OF_HEART_RATE