```
GSE22886_NAIVE_CD4_TCELL_VS_MEMORY_TCELL_DN, GSE22886_NAIVE_CD4_TCELL_VS_MEMORY_TCELL_DN
                                                                                         GSE21380_NON_TFH_VS_GERMINAL_CENTER_TFH_CD4_TCELL_DN, GSE21380_NON_TFH_VS_GERMINAL_CENTER_TFH_CD4_TCELL_DN
                                                                                         GSE26495_NAIVE_VS_PD1HIGH_CD8_TCELL_DN, GSE26495_NAIVE_VS_PD1HIGH_CD8_TCELL_DN
                                                                                         GSE22886 NAIVE CD8 TCELL VS NKCELL DN, GSE22886 NAIVE CD8 TCELL VS NKCELL DN
                                                                                         GSE14308_TH17_VS_INDUCED_TREG_UP, GSE14308_TH17_VS_INDUCED_TREG_UP
                                                                                         GSE22886_CD8_VS_CD4_NAIVE_TCELL_UP, GSE22886_CD8_VS_CD4_NAIVE_TCELL_UP
                                                                                         GSE37301_COMMON_LYMPHOID_PROGENITOR_VS_CD4_TCELL_DN, GSE37301_COMMON_LYMPHOID_PROGENITOR_VS_CD4_TCELL_DN
                                                                                         GSE38696_LIGHT_ZONE_VS_DARK_ZONE_BCELL_UP, GSE38696_LIGHT_ZONE_VS_DARK_ZONE_BCELL_UP
                                                                                         GSE7548_NAIVE_VS_DAY7_PCC_IMMUNIZATION_CD4_TCELL_DN, GSE7548_NAIVE_VS_DAY7_PCC_IMMUNIZATION_CD4_TCELL_DN
                                                                                         GSE6269 FLU_VS_STREP_PNEUMO_INF_PBMC_UP, GSE6269_FLU_VS_STREP_PNEUMO_INF_PBMC_UP
                                                                                         GSE5542_UNTREATED_VS_IFNG_TREATED_EPITHELIAL_CELLS_6H_DN, GSE5542_UNTREATED_VS_IFNG_TREATED_EPITHELIAL_CELLS_6H_DN
                                                                                         GSE26495 NAIVE VS PD1LOW CD8 TCELL DN, GSE26495 NAIVE VS PD1LOW CD8 TCELL DN
                                                                                          THAKAR_PBMC_INACTIVATED_INFLUENZA_AGE_21_30YO_NONRESPONDER_7DY_UP, THAKAR_PBMC_INACTIVATED_INFLUENZA_AGE_21_30YO_NONRESPONDER_7DY_UP
                                                                                         GSE39556_CD8A_DC_VS_NK_CELL_MOUSE_3H_POST_POLYIC_INJ_DN, GSE39556_CD8A_DC_VS_NK_CELL_MOUSE_3H_POST_POLYIC_INJ_DN
                                                                                         GSE36888_STAT5_AB_KNOCKIN_VS_WT_TCELL_IL2_TREATED_6H_UP, GSE36888_STAT5_AB_KNOCKIN_VS_WT_TCELL_IL2_TREATED_6H_UP
                                                                                         GSE3982_CENT_MEMORY_CD4_TCELL_VS_NKCELL_DN, GSE3982_CENT_MEMORY_CD4_TCELL_VS_NKCELL_DN
                                                                                          GSE17721_CTRL_VS_CPG_24H_BMDC_DN, GSE17721_CTRL_VS_CPG_24H_BMDC_DN
                                                                                          GSE3691 CONVENTIONAL VS PLASMACYTOID DC SPLEEN UP, GSE3691 CONVENTIONAL VS PLASMACYTOID DC SPLEEN UP
                                                                                         GSE7768_OVA_ALONE_VS_OVA_WITH_MPL_IMMUNIZED_MOUSE_WHOLE_SPLEEN_6H_DN, GSE7768_OVA_ALONE_VS_OVA_WITH_MPL_IMMUNIZED_MOUSE_WHOLE_SPLEEN_6H_DN
                                                                                         GSE3982_CTRL_VS_LPS_4H_MAC_UP, GSE3982_CTRL_VS_LPS_4H_MAC_UP
                                                                                         GSE7764_NKCELL_VS_SPLENOCYTE_UP, GSE7764_NKCELL_VS_SPLENOCYTE_UP
                                                                                         MIR221_3P, MIR221_3P
                                                                                         GSE5099_UNSTIM_VS_MCSF_TREATED_MONOCYTE_DAY3_UP, GSE5099_UNSTIM_VS_MCSF_TREATED_MONOCYTE_DAY3_UP
                                                                                         HP_ABNORMAL_ELASTICITY_OF_SKIN, HP_ABNORMAL_ELASTICITY_OF_SKIN
                                                                                         GSE39820_CTRL_VS_IL1B_IL6_CD4_TCELL_DN, GSE39820_CTRL_VS_IL1B_IL6_CD4_TCELL_DN
                                                                                         MIR222_3P, MIR222_3P
                                                                                         GSE5542_UNTREATED_VS_IFNA_AND_IFNG_TREATED_EPITHELIAL_CELLS_6H_DN, GSE5542_UNTREATED_VS_IFNA_AND_IFNG_TREATED_EPITHELIAL_CELLS_6H_DN
                                                                                         GSE27786_CD4_TCELL_VS_NKTCELL_DN, GSE27786_CD4_TCELL_VS_NKTCELL_DN
                                                                                         GSE27291_0H_VS_7D_STIM_GAMMADELTA_TCELL_UP, GSE27291_0H_VS_7D_STIM_GAMMADELTA_TCELL_UP
                                                                                         RB_P130_DN.V1_DN, RB_P130_DN.V1_DN
                                                                                         MIR3685, MIR3685
                                                                                         GSE21927_SPLEEN_VS_C26GM_TUMOR_MONOCYTE_BALBC_DN, GSE21927_SPLEEN_VS_C26GM_TUMOR_MONOCYTE_BALBC_DN
                                                                                         GOCC_CYTOPLASMIC_SIDE_OF_MEMBRANE, GOCC_CYTOPLASMIC_SIDE_OF_MEMBRANE
                                                                                         SREBP1_01, SREBP1_01
                                                                                         GSE36009_UNSTIM_VS_LPS_STIM_DC_UP, GSE36009_UNSTIM_VS_LPS_STIM_DC_UP
                                                                                         REACTOME_HDR_THROUGH_HOMOLOGOUS_RECOMBINATION_HRR, REACTOME_HDR_THROUGH_HOMOLOGOUS_RECOMBINATION_HRR
                                                                                         GSE17721_LPS_VS_GARDIQUIMOD_16H_BMDC_UP, GSE17721_LPS_VS_GARDIQUIMOD_16H_BMDC_UP
                                                                                         GOBP_LYSOSOMAL_TRANSPORT, GOBP_LYSOSOMAL_TRANSPORT
                                                                                         WAMUNYOKOLI_OVARIAN_CANCER_GRADES_1_2_UP, WAMUNYOKOLI_OVARIAN_CANCER_GRADES_1_2_UP
                                                                                         RUIZ_TNC_TARGETS_UP, RUIZ_TNC_TARGETS_UP
                                                                                         GSE45739_UNSTIM_VS_ACD3_ACD28_STIM_NRAS_KO_CD4_TCELL_DN, GSE45739_UNSTIM_VS_ACD3_ACD28_STIM_NRAS_KO_CD4_TCELL_DN
                                                                                         PUIFFE_INVASION_INHIBITED_BY_ASCITES_DN, PUIFFE_INVASION_INHIBITED_BY_ASCITES_DN
                                                                                          MIR6088, MIR6088
                                                                                          GSE3982_MAST_CELL_VS_BCELL_UP, GSE3982_MAST_CELL_VS_BCELL_UP
                                                                                         MCBRYAN_PUBERTAL_BREAST_6_7WK_UP, MCBRYAN_PUBERTAL_BREAST_6_7WK_UP
                                                                                          GSE32255_WT_VS_JMJD2D_KNOCKDOWN_4H_LPS_STIM_DC_UP, GSE32255_WT_VS_JMJD2D_KNOCKDOWN_4H_LPS_STIM_DC_UP
                                                                                         GSE27786_LSK_VS_MONO_MAC_DN, GSE27786_LSK_VS_MONO_MAC_DN
                                                                                         WP_EBOLA_VIRUS_PATHWAY_ON_HOST, WP_EBOLA_VIRUS_PATHWAY_ON_HOST
                                                                                          GSE37301_MULTIPOTENT_PROGENITOR_VS_GRAN_MONO_PROGENITOR_UP, GSE37301_MULTIPOTENT_PROGENITOR_VS_GRAN_MONO_PROGENITOR_UP
                                                                                          MIR6131, MIR6131
                                                                                         GOBP_MOVEMENT_IN_HOST_ENVIRONMENT, GOBP_MOVEMENT_IN_HOST_ENVIRONMENT
                                                                                          MIR1245B_3P, MIR1245B_3P
                                                                                         GSE360_CTRL_VS_B_MALAYI_HIGH_DOSE_DC_UP, GSE360_CTRL_VS_B_MALAYI_HIGH_DOSE_DC_UP
                                                                                          GOBP_RETROGRADE_TRANSPORT_ENDOSOME_TO_GOLGI, GOBP_RETROGRADE_TRANSPORT_ENDOSOME_TO_GOLGI
                                                                                          MIR4724_5P, MIR4724_5P
                                                                                         GOBP_REGULATION_OF_STRESS_ACTIVATED_PROTEIN_KINASE_SIGNALING_CASCADE, GOBP_REGULATION_OF_STRESS_ACTIVATED_PROTEIN_KINASE_SIGNALING_CASCADE
                                                                                         GSE20715_WT_VS_TLR4_KO_48H_OZONE_LUNG_UP, GSE20715_WT_VS_TLR4_KO_48H_OZONE_LUNG_UP
                                                                                          REACTOME_NUCLEAR_PORE_COMPLEX_NPC_DISASSEMBLY, REACTOME_NUCLEAR_PORE_COMPLEX_NPC_DISASSEMBLY
                                                                                         MIR7844_5P, MIR7844_5P
                                                                                         MIR520A 5P, MIR520A 5P
                                                                                         GALE_APL_WITH_FLT3_MUTATED_UP, GALE_APL_WITH_FLT3_MUTATED_UP
                                                                                         MIR5587_5P, MIR5587_5P
                                                                                         GSE21927_HEALTHY_VS_TUMOROUS_BALBC_MOUSE_MONOCYTE_UP, GSE21927_HEALTHY_VS_TUMOROUS_BALBC_MOUSE_MONOCYTE_UP
                                                                                          MIR525_5P, MIR525_5P
                                                                                         MIR33A_5P_MIR33B_5P, MIR33A_5P_MIR33B_5P
                                                                                          MIR8076, MIR8076
                                                                                          MIR193A_3P_MIR193B_3P, MIR193A_3P_MIR193B_3P
                                                                                          PANGAS_TUMOR_SUPPRESSION_BY_SMAD1_AND_SMAD5_UP, PANGAS_TUMOR_SUPPRESSION_BY_SMAD1_AND_SMAD5_UP
                                                                                         GOBP_ENTRY_INTO_HOST, GOBP_ENTRY_INTO_HOST
                                                                                          TURASHVILI_BREAST_NORMAL_DUCTAL_VS_LOBULAR_UP, TURASHVILI_BREAST_NORMAL_DUCTAL_VS_LOBULAR_UP
                                                                                         HP_GONADAL_NEOPLASM, HP_GONADAL_NEOPLASM
                                                                                          MIR202 5P, MIR202 5P
                                                                                          GSE21927_UNTREATED_VS_GMCSF_IL6_TREATED_BONE_MARROW_DN, GSE21927_UNTREATED_VS_GMCSF_IL6_TREATED_BONE_MARROW_DN
                                                                                         COULOUARN_TEMPORAL_TGFB1_SIGNATURE_DN, COULOUARN_TEMPORAL_TGFB1_SIGNATURE_DN
                                                                                         PDGF_ERK_DN.V1_UP, PDGF_ERK_DN.V1_UP
                                                                                          GSE29618 PRE VS DAY7 POST TIV FLU VACCINE MDC UP, GSE29618 PRE VS DAY7 POST TIV FLU VACCINE MDC UP
                                                                                         GTTAAAG_MIR302B, GTTAAAG_MIR302B
                                                                                         GSE17721_LPS_VS_POLYIC_0.5H_BMDC_DN, GSE17721_LPS_VS_POLYIC_0.5H_BMDC_DN
                                                                                          GSE13522 WT VS IFNG KO SKING T CRUZI Y STRAIN INF DN, GSE13522 WT VS IFNG KO SKING T CRUZI Y STRAIN INF DN
                                                                                          GSE43955_1H_VS_60H_ACT_CD4_TCELL_WITH_TGFB_IL6_DN, GSE43955_1H_VS_60H_ACT_CD4_TCELL_WITH_TGFB_IL6_DN
                                                                                          HP_BRUISING_SUSCEPTIBILITY, HP_BRUISING_SUSCEPTIBILITY
                                                                                          GSE3720_LPS_VS_PMA_STIM_VD2_GAMMADELTA_TCELL_UP, GSE3720_LPS_VS_PMA_STIM_VD2_GAMMADELTA_TCELL_UP
                                                                                          HP_DEVIATION_OF_THE_HALLUX, HP_DEVIATION_OF_THE_HALLUX
                                                                                          KIM GERMINAL CENTER T HELPER UP, KIM GERMINAL CENTER T HELPER UP
                                                                                          GOBP VESICLE DOCKING, GOBP VESICLE DOCKING
                                                                                          HP_SMALL_NAIL, HP_SMALL_NAIL
                                                                                         GOBP_NEUROTRANSMITTER_SECRETION, GOBP_NEUROTRANSMITTER_SECRETION
                                                                                          GOBP_ORGANELLE_MEMBRANE_FUSION, GOBP_ORGANELLE_MEMBRANE_FUSION
                                                                                          CROMER_METASTASIS_UP, CROMER_METASTASIS_UP
                                                                                          REACTOME_HDR_THROUGH_SINGLE_STRAND_ANNEALING_SSA, REACTOME_HDR_THROUGH_SINGLE_STRAND_ANNEALING_SSA
                                                                                         GOMF_PHOSPHOPROTEIN_BINDING, GOMF_PHOSPHOPROTEIN_BINDING
                                                                                          BCAT_BILD_ET_AL_DN, BCAT_BILD_ET_AL_DN
                                                                                          AGCYRWTTC UNKNOWN, AGCYRWTTC UNKNOWN
                                                                                          HP_AUTISM, HP_AUTISM
                                                                                          MIR12128, MIR12128
                                                                                          MIR517_5P, MIR517_5P
                                                                                         HP_OVARIAN_NEOPLASM, HP_OVARIAN_NEOPLASM
                                                                                         GSE22886_CD4_TCELL_VS_BCELL_NAIVE_DN, GSE22886_CD4_TCELL_VS_BCELL_NAIVE_DN
                                                                                          MMS_MOUSE_LYMPH_HIGH_4HRS_UP, MMS_MOUSE_LYMPH_HIGH_4HRS_UP
                                                                                         GOBP_TELOMERE_CAPPING, GOBP_TELOMERE_CAPPING
                                                                                         GOBP_REGULATION_OF_PROTEIN_TYROSINE_KINASE_ACTIVITY, GOBP_REGULATION_OF_PROTEIN_TYROSINE_KINASE_ACTIVITY
                                                                                         MIR4298, MIR4298
                                                                                         GSE6259_33D1_POS_DC_VS_CD8_TCELL_DN, GSE6259_33D1_POS_DC_VS_CD8_TCELL_DN
                                                                                         NELSON_RESPONSE_TO_ANDROGEN_UP, NELSON_RESPONSE_TO_ANDROGEN_UP
                                                                                         GENTILE_UV_RESPONSE_CLUSTER_D7, GENTILE_UV_RESPONSE_CLUSTER_D7
                                                                                         PID_PI3KCI_PATHWAY, PID_PI3KCI_PATHWAY
                                                                                         | SIRNA_EIF4GI_DN, SIRNA_EIF4GI_DN
                                                                                         HP_ABNORMALITY_OF_THE_HELIX, HP_ABNORMALITY_OF_THE_HELIX
                                                                                          MIR198, MIR198
                                                                                          AATGGAG_MIR136, AATGGAG_MIR136
                                                                                          MIR203B 3P, MIR203B 3P
                                                                                          GOBP_REGULATION_OF_JNK_CASCADE, GOBP_REGULATION_OF_JNK_CASCADE
                                                                                          HP APLASIA HYPOPLASIA OF THE DISTAL PHALANGES OF THE HAND, HP APLASIA HYPOPLASIA OF THE DISTAL PHALANGES OF THE HAND
                                                                                          MIR4293, MIR4293
                                                                                          REACTOME_NEGATIVE_REGULATORS_OF_DDX58_IFIH1_SIGNALING, REACTOME_NEGATIVE_REGULATORS_OF_DDX58_IFIH1_SIGNALING
                                                                                          MIR6510_5P, MIR6510_5P
                                                                                          GOBP_DNA_METHYLATION_OR_DEMETHYLATION, GOBP_DNA_METHYLATION_OR_DEMETHYLATION
                                                                                          MIR6750_3P, MIR6750_3P
                                                                                          MIR4317, MIR4317
                                                                                          GOMF_EXOGENOUS_PROTEIN_BINDING, GOMF_EXOGENOUS_PROTEIN_BINDING
                                                                                          REACTOME_REGULATION_OF_TNFR1_SIGNALING, REACTOME_REGULATION_OF_TNFR1_SIGNALING
                                                                                          REACTOME_METALLOPROTEASE_DUBS, REACTOME_METALLOPROTEASE_DUBS
                                                                                          GOBP_SYNAPTIC_VESICLE_EXOCYTOSIS, GOBP_SYNAPTIC_VESICLE_EXOCYTOSIS
                                                                                          HP_ABNORMALITIES_OF_PLACENTA_OR_UMBILICAL_CORD, HP_ABNORMALITIES_OF_PLACENTA_OR_UMBILICAL_CORD
                                                                                          MIR6776_3P, MIR6776_3P
                                                                                         HP_ABNORMALITY_OF_THE_UMBILICAL_CORD, HP_ABNORMALITY_OF_THE_UMBILICAL_CORD
CD4_TCELL_VS_NKCELL_DN, GSE22886_NAIVE_CD4_TCELL_VS_NKCELL_DN
                                                                                         GOBP_NEGATIVE_REGULATION_OF_ERBB_SIGNALING_PATHWAY, GOBP_NEGATIVE_REGULATION_OF_ERBB_SIGNALING_PATHWAY
                                                                                          BROWNE_HCMV_INFECTION_10HR_DN, BROWNE_HCMV_INFECTION_10HR_DN
                                                                                          RUAN_RESPONSE_TO_TNF_TROGLITAZONE_DN, RUAN_RESPONSE_TO_TNF_TROGLITAZONE_DN
                                                                                          MIR675_3P, MIR675_3P
                                                                                          MIR3654, MIR3654
                                                                                          HP_ABNORMAL_PROSTATE_MORPHOLOGY, HP_ABNORMAL_PROSTATE_MORPHOLOGY
                                                                                          HP_ABNORMALITY_OF_MALE_INTERNAL_GENITALIA, HP_ABNORMALITY_OF_MALE_INTERNAL_GENITALIA
                                                                                          REACTOME_REGULATION_OF_SIGNALING_BY_CBL, REACTOME_REGULATION_OF_SIGNALING_BY_CBL
                                                                                          MIR217_3P, MIR217_3P
                                                                                          REACTOME_TNFR1_INDUCED_NFKAPPAB_SIGNALING_PATHWAY, REACTOME_TNFR1_INDUCED_NFKAPPAB_SIGNALING_PATHWAY
                                                                                          PID_ERBB1_INTERNALIZATION_PATHWAY, PID_ERBB1_INTERNALIZATION_PATHWAY
                                                                                          HP_PREMATURE_OVARIAN_INSUFFICIENCY, HP_PREMATURE_OVARIAN_INSUFFICIENCY
                                                                                          HP_PREMATURE_SKIN_WRINKLING, HP_PREMATURE_SKIN_WRINKLING
                                                                                          HP_NEOPLASM_OF_THE_PITUITARY_GLAND, HP_NEOPLASM_OF_THE_PITUITARY_GLAND
                                                                                          LUI_THYROID_CANCER_PAX8_PPARG_UP, LUI_THYROID_CANCER_PAX8_PPARG_UP
                                                                                          BEIER_GLIOMA_STEM_CELL_DN, BEIER_GLIOMA_STEM_CELL_DN
                                                                                          GOBP_NUCLEOTIDE_BINDING_DOMAIN_LEUCINE_RICH_REPEAT_CONTAINING_RECEPTOR_SIGNALING_PATHWAY, GOBP_NUCLEOTIDE_BINDING_DOMAIN_LEUCINE_RICH_REPEAT_CONTAINING_RECEPTOR_SIGNALING_PATHWAY
                                                                                          WP_GLUCOCORTICOID_RECEPTOR_PATHWAY, WP_GLUCOCORTICOID_RECEPTOR_PATHWAY
                                                                                         GOMF_MANNOSYLTRANSFERASE_ACTIVITY, GOMF_MANNOSYLTRANSFERASE_ACTIVITY
                                                                                         HP_DELAYED_PUBERTY, HP_DELAYED_PUBERTY
                                                                                         HOFT_PBMC_TICE_BCG_RBCG_AG85A_AG85B_AGE_18_40YO_CORRELATED_WITH_WHOLE_BLOOD_BACTERICIDAL_ACTIVITY_NEGATIVE, HOFT_PBMC_TICE_BCG_AG85A_AG85B_AGE_18_40YO_CORRELATED_WITH_WHOLE_BLOOD_BACTERICIDAL_ACTIVITY_NEGATIVE, HOFT_PBMC_TICE_BCG_AG85A_AG85B_AGE_18_40YO_CORRELATED_WITH_WHOLE_BLOOD_BACTERICIDAL_ACTIVITY_NEGATIVE, HOFT_PBMC_TICE_BCG_AG85A_AG85B_AGE_18_40YO_CORRELATED_WITH_WHOLE_BLOOD_BACTERICIDAL_ACTIVITY_NEGATIVE, HOFT_PBMC_TICE_BCG_AG85A_AG85B_AGE_18_40YO_CORRELATED_WITH_WHOLE_BLOOD_BACTERICIDAL_ACTIVITY_NEGATIVE, HOFT_PBMC_TICE_BCG_AG85A_AG85B_AGE_18_40YO_CORRELATED_WITH_WHOLE_BLOOD_BACTERICIDAL_ACTIVITY_NEGATIVE, HOFT_PBMC_TICE_BCG_AG85A_AG85B_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_AG85A_
                                                                                          KEGG_HOMOLOGOUS_RECOMBINATION, KEGG_HOMOLOGOUS_RECOMBINATION
                                                                                          GOBP_REGULATION_OF_TRANSPOSITION, GOBP_REGULATION_OF_TRANSPOSITION
                                                                                          MIR7975, MIR7975
                                                                                         GSE29615_CTRL_VS_LAIV_FLU_VACCINE_PBMC_DN, GSE29615_CTRL_VS_LAIV_FLU_VACCINE_PBMC_DN
                                                                                         GOBP_REGULATION_OF_TUMOR_NECROSIS_FACTOR_MEDIATED_SIGNALING_PATHWAY, GOBP_REGULATION_OF_TUMOR_NECROSIS_FACTOR_MEDIATED_SIGNALING_PATHWAY
                                                                                          KEGG_AMYOTROPHIC_LATERAL_SCLEROSIS_ALS, KEGG_AMYOTROPHIC_LATERAL_SCLEROSIS_ALS
                                                                                          MIR6808_3P, MIR6808_3P
                                                                                          HP_MALE_REPRODUCTIVE_SYSTEM_NEOPLASM, HP_MALE_REPRODUCTIVE_SYSTEM_NEOPLASM
                                                                                         WP_AMYOTROPHIC_LATERAL_SCLEROSIS_ALS, WP_AMYOTROPHIC_LATERAL_SCLEROSIS_ALS
                                                                                         HP_ABNORMAL_OVARIAN_PHYSIOLOGY, HP_ABNORMAL_OVARIAN_PHYSIOLOGY
                                                                                          GSE3691_CONVENTIONAL_VS_PLASMACYTOID_DC_SPLEEN_DN, GSE3691_CONVENTIONAL_VS_PLASMACYTOID_DC_SPLEEN_DN
                                                                                         GOBP_REGULATION_OF_ESTABLISHMENT_OR_MAINTENANCE_OF_CELL_POLARITY, GOBP_REGULATION_OF_ESTABLISHMENT_OR_MAINTENANCE_OF_CELL_POLARITY
                                                                                          MIR4764_5P, MIR4764_5P
                                                                                          MIR510_5P, MIR510_5P
                                                                                         GOMF_LIGASE_ACTIVITY_FORMING_CARBON_SULFUR_BONDS, GOMF_LIGASE_ACTIVITY_FORMING_CARBON_SULFUR_BONDS
                                                                                          MODULE_229, MODULE_229
                                                                                         GAO_LARGE_INTESTINE_24W_C6_SECRETORY_PROGENITOR, GAO_LARGE_INTESTINE_24W_C6_SECRETORY_PROGENITOR
                                                                                          REACTOME_NOD1_2_SIGNALING_PATHWAY, REACTOME_NOD1_2_SIGNALING_PATHWAY
                                                                                          WANG_IMMORTALIZED_BY_HOXA9_AND_MEIS1_UP, WANG_IMMORTALIZED_BY_HOXA9_AND_MEIS1_UP
                                                                                          HP_HIGH_PITCHED_VOICE, HP_HIGH_PITCHED_VOICE
                                                                                          REACTOME_ER_QUALITY_CONTROL_COMPARTMENT_ERQC, REACTOME_ER_QUALITY_CONTROL_COMPARTMENT_ERQC
                                                                                          REACTOME_DAP12_INTERACTIONS, REACTOME_DAP12_INTERACTIONS
                                                                                          HP_ABNORMAL_T_CELL_MORPHOLOGY, HP_ABNORMAL_T_CELL_MORPHOLOGY
                                                                                          GOBP B CELL RECEPTOR SIGNALING PATHWAY, GOBP B CELL RECEPTOR SIGNALING PATHWAY
                                                                                          GOBP_NEGATIVE_REGULATION_OF_PEPTIDYL_TYROSINE_PHOSPHORYLATION, GOBP_NEGATIVE_REGULATION_OF_PEPTIDYL_TYROSINE_PHOSPHORYLATION
                                                                                          REACTOME SIGNALING BY ERBB2, REACTOME SIGNALING BY ERBB2
                                                                                          HP_MACULAR_PURPURA, HP_MACULAR_PURPURA
                                                                                          MIR3160_3P, MIR3160_3P
                                                                                          MIR7847_3P, MIR7847_3P
                                                                                          GSE25677_MPL_VS_MPL_AND_R848_STIM_BCELL_DN, GSE25677_MPL_VS_MPL_AND_R848_STIM_BCELL_DN
                                                                                          LEE_METASTASIS_AND_ALTERNATIVE_SPLICING_UP, LEE_METASTASIS_AND_ALTERNATIVE_SPLICING_UP
                                                                                          GOBP_TRANSPOSITION, GOBP_TRANSPOSITION
                                                                                          REACTOME_SEMA4D_IN_SEMAPHORIN_SIGNALING, REACTOME_SEMA4D_IN_SEMAPHORIN_SIGNALING
                                                                                          MIR548AD 3P, MIR548AD 3P
                                                                                         MIR5589_5P, MIR5589_5P
                                                                                          GOBP IMMUNOGLOBULIN PRODUCTION INVOLVED IN IMMUNOGLOBULIN MEDIATED IMMUNE RESPONSE, GOBP IMMUNOGLOBULIN PRODUCTION INVOLVED IN IMMUNOGLOBULIN MEDIATED IMMUNE RESPONSE
                                                                                          HP_SELF_MUTILATION, HP_SELF_MUTILATION
                                                                                          MIR5681B, MIR5681B
                                                                                          ASTON_MAJOR_DEPRESSIVE_DISORDER_UP, ASTON_MAJOR_DEPRESSIVE_DISORDER_UP
                                                                                          MIR4529 5P, MIR4529 5P
                                                                                         MORF DCC, MORF DCC
                                                                                         GOBP_POSITIVE_REGULATION_OF_RECEPTOR_INTERNALIZATION, GOBP_POSITIVE_REGULATION_OF_RECEPTOR_INTERNALIZATION
                                                                                         HASLINGER B CLL WITH 11Q23 DELETION, HASLINGER B CLL WITH 11Q23 DELETION
                                                                                         GOBP_REGULATION_OF_TELOMERE_CAPPING, GOBP_REGULATION_OF_TELOMERE_CAPPING
                                                                                         GOBP_NEGATIVE_REGULATION_OF_NATURAL_KILLER_CELL_MEDIATED_IMMUNITY, GOBP_NEGATIVE_REGULATION_OF_NATURAL_KILLER_CELL_MEDIATED_IMMUNITY
                                                                                          REACTOME_DAP12_SIGNALING, REACTOME_DAP12_SIGNALING
                                                                                          REACTOME_FCGAMMA_RECEPTOR_FCGR_DEPENDENT_PHAGOCYTOSIS, REACTOME_FCGAMMA_RECEPTOR_FCGR_DEPENDENT_PHAGOCYTOSIS
                                                                                         HP ECCHYMOSIS, HP ECCHYMOSIS
                                                                                         HP_ANGINA_PECTORIS, HP_ANGINA_PECTORIS
                                                                                         GOMF DNA DIRECTED DNA POLYMERASE ACTIVITY, GOMF DNA DIRECTED DNA POLYMERASE ACTIVITY
                                                                                         HP_APLASIA_HYPOPLASIA_OF_THE_OVARY, HP_APLASIA_HYPOPLASIA_OF_THE_OVARY
                                                                                         HP_ADVANCED_ERUPTION_OF_TEETH, HP_ADVANCED_ERUPTION_OF_TEETH
                                                                                          REACTOME NEGATIVE REGULATION OF MET ACTIVITY, REACTOME NEGATIVE REGULATION OF MET ACTIVITY
                                                                                         EHLERS_ANEUPLOIDY_UP, EHLERS_ANEUPLOIDY_UP
                                                                                          MIR1251_5P, MIR1251_5P
                                                                                         GOBP POSITIVE REGULATION OF VIRAL LIFE CYCLE, GOBP POSITIVE REGULATION OF VIRAL LIFE CYCLE
                                                                                         MIR3972, MIR3972
                                                                                         HP_METRORRHAGIA, HP_METRORRHAGIA
                                                                                         PID_NETRIN_PATHWAY, PID_NETRIN_PATHWAY
                                                                                         HP_METHYLMALONIC_ACIDEMIA, HP_METHYLMALONIC_ACIDEMIA
                                                                                          GOMF CHEMOKINE RECEPTOR BINDING, GOMF CHEMOKINE RECEPTOR BINDING
                                                                                         MIR4715_5P, MIR4715_5P
                                                                                          GENTILE_UV_LOW_DOSE_UP, GENTILE_UV_LOW_DOSE_UP
                                                                                          REACTOME TICAM1 RIP1 MEDIATED IKK COMPLEX RECRUITMENT, REACTOME TICAM1 RIP1 MEDIATED IKK COMPLEX RECRUITMENT
                                                                                         GOMF_FATTY_ACID_LIGASE_ACTIVITY, GOMF_FATTY_ACID_LIGASE_ACTIVITY
                                                                                         HP_SHALLOW_ORBITS, HP_SHALLOW_ORBITS
                                                                                          HP_PULMONARY_FIBROSIS, HP_PULMONARY_FIBROSIS
                                                                                         GOBP_NEGATIVE_REGULATION_OF_T_CELL_PROLIFERATION, GOBP_NEGATIVE_REGULATION_OF_T_CELL_PROLIFERATION
                                                                                         GOCC_CD40_RECEPTOR_COMPLEX, GOCC_CD40_RECEPTOR_COMPLEX
                                                                                         REACTOME_SYNTHESIS_OF_GLYCOSYLPHOSPHATIDYLINOSITOL_GPI, REACTOME_SYNTHESIS_OF_GLYCOSYLPHOSPHATIDYLINOSITOL_GPI
                                                                                         HP_EXCESSIVE_WRINKLED_SKIN, HP_EXCESSIVE_WRINKLED_SKIN
                                                                                         MORF BMPR2, MORF BMPR2
                                                                                         HP_CARDIOVASCULAR_CALCIFICATION, HP_CARDIOVASCULAR_CALCIFICATION
                                                                                         GOBP_REGULATION_OF_CD8_POSITIVE_ALPHA_BETA_T_CELL_ACTIVATION, GOBP_REGULATION_OF_CD8_POSITIVE_ALPHA_BETA_T_CELL_ACTIVATION
                                                                                         GOBP_RENAL_SYSTEM_PROCESS, GOBP_RENAL_SYSTEM_PROCESS
                                                                                         GOBP_LIPOXYGENASE_PATHWAY, GOBP_LIPOXYGENASE_PATHWAY
                                                                                         GOBP_REGULATION_OF_POLYSACCHARIDE_BIOSYNTHETIC_PROCESS, GOBP_REGULATION_OF_POLYSACCHARIDE_BIOSYNTHETIC_PROCESS
                                                                                         MORI_EMU_MYC_LYMPHOMA_BY_ONSET_TIME_DN, MORI_EMU_MYC_LYMPHOMA_BY_ONSET_TIME_DN
                                                                                         GOBP PREASSEMBLY OF GPI ANCHOR IN ER MEMBRANE, GOBP PREASSEMBLY OF GPI ANCHOR IN ER MEMBRANE
                                                                                         HP_ABNORMAL_CIRCULATING_GONADOTROPIN_LEVEL, HP_ABNORMAL_CIRCULATING_GONADOTROPIN_LEVEL
                                                                                         MORF_RAB3A, MORF_RAB3A
                                                                                         HP_MOOD_CHANGES, HP_MOOD_CHANGES
                                                                                         MORF_EPHA7, MORF_EPHA7
                                                                                         MORF_ZNF10, MORF_ZNF10
                                                                                         REACTOME_SYNTHESIS_OF_PC, REACTOME_SYNTHESIS_OF_PC
                                                                                         SMID_BREAST_CANCER_ERBB2_UP, SMID_BREAST_CANCER_ERBB2_UP
                                                                                         GOMF_LONG_CHAIN_FATTY_ACID_COA_LIGASE_ACTIVITY, GOMF_LONG_CHAIN_FATTY_ACID_COA_LIGASE_ACTIVITY
                                                                                          MATZUK EMBRYONIC GERM CELL, MATZUK EMBRYONIC GERM CELL
                                                                                          MIR4265, MIR4265
                                                                                          MIR5581_5P, MIR5581_5P
                                                                                          HP_NATAL_TOOTH, HP_NATAL_TOOTH
                                                                                          MORF_FRK, MORF_FRK
                                                                                         GOBP_ESCRT_COMPLEX_DISASSEMBLY, GOBP_ESCRT_COMPLEX_DISASSEMBLY
                                                                                         IKEDA_MIR30_TARGETS_DN, IKEDA_MIR30_TARGETS_DN
                                                                                         HP_RENAL_TUBULAR_ATROPHY, HP_RENAL_TUBULAR_ATROPHY
                                                                                         HP_RECURRENT_ACUTE_RESPIRATORY_TRACT_INFECTION, HP_RECURRENT_ACUTE_RESPIRATORY_TRACT_INFECTION
                                                                                         HP_ABNORMAL_ORAL_FRENULUM_MORPHOLOGY, HP_ABNORMAL_ORAL_FRENULUM_MORPHOLOGY
                                                                                         HP_GENERALIZED_JOINT_LAXITY, HP_GENERALIZED_JOINT_LAXITY
                                                                                         MIR4322, MIR4322
                                                                                         HP_ACQUIRED_ABNORMAL_HAIR_PATTERN, HP_ACQUIRED_ABNORMAL_HAIR_PATTERN
                                                                                         GOBP_REGULATION_OF_T_CELL_MIGRATION, GOBP_REGULATION_OF_T_CELL_MIGRATION
                                                                                         PETRETTO_HEART_MASS_QTL_CIS_DN, PETRETTO_HEART_MASS_QTL_CIS_DN
                                                                                         GOBP_RESPONSE_TO_HYDROXYUREA, GOBP_RESPONSE_TO_HYDROXYUREA
                                                                                         GOMF_ANNEALING_ACTIVITY, GOMF_ANNEALING_ACTIVITY
                                                                                         HP_PROMINENT_SUPERFICIAL_BLOOD_VESSELS, HP_PROMINENT_SUPERFICIAL_BLOOD_VESSELS
                                                                                         REACTOME_ACTIVATED_NOTCH1_TRANSMITS_SIGNAL_TO_THE_NUCLEUS, REACTOME_ACTIVATED_NOTCH1_TRANSMITS_SIGNAL_TO THE NUCLEUS
                                                                                          BRIDEAU_IMPRINTED_GENES, BRIDEAU_IMPRINTED_GENES
                                                                                          HP_CEREBELLAR_DYSPLASIA, HP_CEREBELLAR_DYSPLASIA
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GSE22886_NAIVE_TCELL_VS_NKCELL_DN, GSE22886_NAIVE_TCELL_VS_NKCELL_DN

GSE1460_CD4_THYMOCYTE_VS_NAIVE_CD4_TCELL_CORD_BLOOD_UP, GSE1460_CD4_THYMOCYTE_VS_NAIVE_CD4_TCELL_CORD_BLOOD_UP

GSE37416_12H_VS_48H_F_TULARENSIS_LVS_NEUTROPHIL_UP, GSE37416_12H_VS_48H_F_TULARENSIS_LVS_NEUTROPHIL_UP