```
GSE24671_CTRL_VS_BAKIMULC_INFECTED_MOUSE_SPLENOCYTES_UP, GSE24671_CTRL_VS_BAKIMULC_INFECTED_MOUSE_SPLENOCYTES_UP
                                                               GSE22601_CD4_SINGLE_POSITIVE_VS_CD8_SINGLE_POSITIVE_THYMOCYTE_DN, GSE22601_CD4_SINGLE_POSITIVE_VS_CD8_SINGLE_POSITIVE_THYMOCYTE_DN
                                                               GSE14308_INDUCED_VS_NATURAL_TREG_DN, GSE14308_INDUCED_VS_NATURAL_TREG_DN
                                                               GSE7460_TREG_VS_TCONV_ACT_UP, GSE7460_TREG_VS_TCONV_ACT_UP
                                                               GSE15330_HSC_VS_GRANULOCYTE_MONOCYTE_PROGENITOR_DN, GSE15330_HSC_VS_GRANULOCYTE_MONOCYTE_PROGENITOR_DN
                                                               GSE44649_WT_VS_MIR155_KO_ACTIVATED_CD8_TCELL_UP, GSE44649_WT_VS_MIR155_KO_ACTIVATED_CD8_TCELL_UP
                                                               GSE14908_RESTING_VS_HDM_STIM_CD4_TCELL_ATOPIC_PATIENT_DN, GSE14908_RESTING_VS_HDM_STIM_CD4_TCELL_ATOPIC_PATIENT_DN
                                                               GSE27786_LIN_NEG_VS_NKTCELL_DN, GSE27786_LIN_NEG_VS_NKTCELL_DN
                                                               GSE13306_LAMINA_PROPRIA_VS_SPLEEN_TREG_UP, GSE13306_LAMINA_PROPRIA_VS_SPLEEN_TREG_UP
                                                               GSE16450_IMMATURE_VS_MATURE_NEURON_CELL_LINE_12H_IFNA_STIM_UP, GSE16450_IMMATURE_VS_MATURE_NEURON_CELL_LINE_12H_IFNA_STIM_UP
                                                               GSE40274_FOXP3_VS_FOXP3_AND_EOS_TRANSDUCED_ACTIVATED_CD4_TCELL_UP, GSE40274_FOXP3_VS_FOXP3_AND_EOS_TRANSDUCED_ACTIVATED_CD4_TCELL_UP
                                                               GSE27786_CD4_VS_CD8_TCELL_UP, GSE27786_CD4_VS_CD8_TCELL_UP
                                                               GSE6259_FLT3L_INDUCED_DEC205_POS_DC_VS_CD4_TCELL_UP, GSE6259_FLT3L_INDUCED_DEC205_POS_DC_VS_CD4_TCELL_UP
                                                               GSE39110_UNTREATED_VS_IL2_TREATED_CD8_TCELL_DAY6_POST_IMMUNIZATION_DN, GSE39110_UNTREATED_VS_IL2_TREATED_CD8_TCELL_DAY6_POST_IMMUNIZATION_DN
                                                               GSE7460_FOXP3_MUT_VS_WT_ACT_WITH_TGFB_TCONV_DN, GSE7460_FOXP3_MUT_VS_WT_ACT_WITH_TGFB_TCONV_DN
                                                               GSE13522 CTRL VS T CRUZI Y STRAIN INF SKIN IFNAR KO DN, GSE13522 CTRL VS T CRUZI Y STRAIN INF SKIN IFNAR KO DN
                                                               GOLDRATH_EFF_VS_MEMORY_CD8_TCELL_DN, GOLDRATH_EFF_VS_MEMORY_CD8_TCELL_DN
                                                               GSE8678_IL7R_LOW_VS_HIGH_EFF_CD8_TCELL_DN, GSE8678_IL7R_LOW_VS_HIGH_EFF_CD8_TCELL_DN
                                                               GSE40277_EOS_AND_LEF1_TRANSDUCED_VS_CTRL_CD4_TCELL_UP, GSE40277_EOS_AND_LEF1_TRANSDUCED_VS_CTRL_CD4_TCELL_UP
                                                               KAECH NAIVE VS DAY8 EFF CD8 TCELL UP, KAECH NAIVE VS DAY8 EFF CD8 TCELL UP
                                                              MIR522_3P, MIR522_3P
                                                               MIR224_3P, MIR224_3P
                                                              GSE43863_TH1_VS_LY6C_INT_CXCR5POS_EFFECTOR_CD4_TCELL_DN, GSE43863_TH1_VS_LY6C_INT_CXCR5POS_EFFECTOR_CD4_TCELL_DN
                                                              GSE32423_MEMORY_VS_NAIVE_CD8_TCELL_DN, GSE32423_MEMORY_VS_NAIVE_CD8_TCELL_DN
                                                               GSE39110_DAY3_VS_DAY6_POST_IMMUNIZATION_CD8_TCELL_WITH_IL2_TREATMENT_DN, GSE39110_DAY3_VS_DAY6_POST_IMMUNIZATION_CD8_TCELL_WITH_IL2_TREATMENT_DN
                                                               GSE3691_IFN_PRODUCING_KILLER_DC_VS_PLASMACYTOID_DC_SPLEEN_UP, GSE3691_IFN_PRODUCING_KILLER_DC_VS_PLASMACYTOID_DC_SPLEEN_UP
                                                               GSE17186_NAIVE_VS_CD21HIGH_TRANSITIONAL_BCELL_CORD_BLOOD_DN, GSE17186_NAIVE_VS_CD21HIGH_TRANSITIONAL_BCELL_CORD_BLOOD_DN
                                                               GSE36078_WT_VS_IL1R_KO_LUNG_DC_AFTER_AD5_INF_DN, GSE36078_WT_VS_IL1R_KO_LUNG_DC_AFTER_AD5_INF_DN
                                                               GSE8921_UNSTIM_VS_TLR1_2_STIM_MONOCYTE_6H_UP, GSE8921_UNSTIM_VS_TLR1_2_STIM_MONOCYTE_6H_UP
                                                               GSE15735_CTRL_VS_HDAC_INHIBITOR_TREATED_CD4_TCELL_12H_DN, GSE15735_CTRL_VS_HDAC_INHIBITOR_TREATED_CD4_TCELL_12H_DN
                                                               GSE13946 CTRL VS DSS COLITIS GD TCELL FROM COLON DN, GSE13946 CTRL VS DSS COLITIS GD TCELL FROM COLON DN
                                                               GSE5679_PPARG_LIGAND_ROSIGLITAZONE_VS_RARA_AGONIST_AM580_TREATED_DC_DN, GSE5679_PPARG_LIGAND_ROSIGLITAZONE_VS_RARA_AGONIST_AM580_TREATED_DC_DN
                                                               WP INSULIN SIGNALING, WP INSULIN SIGNALING
                                                               GSE37301_PRO_BCELL_VS_RAG2_KO_NK_CELL_DN, GSE37301_PRO_BCELL_VS_RAG2_KO_NK_CELL_DN
                                                               GSE17580_TREG_VS_TEFF_S_MANSONI_INF_UP, GSE17580_TREG_VS_TEFF_S_MANSONI_INF_UP
                                                               GSE37301 PRO BCELL VS CD4 TCELL UP, GSE37301 PRO BCELL VS CD4 TCELL UP
                                                               GSE13493_CD4INTCD8POS_VS_CD8POS_THYMOCYTE_UP, GSE13493_CD4INTCD8POS_VS_CD8POS_THYMOCYTE_UP
                                                               GSE17580 UNINFECTED VS S MANSONI INF_TREG_UP, GSE17580 UNINFECTED VS S MANSONI INF_TREG_UP
                                                               GSE20152 SPHK1 KO VS WT HTNFA OVERXPRESS ANKLE UP, GSE20152 SPHK1 KO VS WT HTNFA OVERXPRESS ANKLE UP
                                                               GSE5099_MONOCYTE_VS_ALTERNATIVE_M2_MACROPHAGE_DN, GSE5099_MONOCYTE_VS_ALTERNATIVE_M2_MACROPHAGE_DN
                                                               GSE15324_NAIVE_VS_ACTIVATED_ELF4_KO_CD8_TCELL_UP, GSE15324_NAIVE_VS_ACTIVATED_ELF4_KO_CD8_TCELL_UP
                                                               GSE7852_TREG_VS_TCONV_UP, GSE7852_TREG_VS_TCONV_UP
                                                               GSE23505_IL6_IL1_VS_IL6_IL1_TGFB_TREATED_CD4_TCELL_UP, GSE23505_IL6_IL1_VS_IL6_IL1_TGFB_TREATED_CD4_TCELL_UP
                                                               GSE20366_TREG_VS_NAIVE_CD4_TCELL_HOMEOSTATIC_CONVERSION_DN, GSE20366_TREG_VS_NAIVE_CD4_TCELL_HOMEOSTATIC_CONVERSION_DN
                                                               GSE26030 UNSTIM VS RESTIM TH17 DAY5 POST POLARIZATION UP, GSE26030 UNSTIM VS RESTIM TH17 DAY5 POST POLARIZATION UP
                                                               GSE21670_TGFB_VS_IL6_TREATED_STAT3_KO_CD4_TCELL_DN, GSE21670_TGFB_VS_IL6_TREATED_STAT3_KO_CD4_TCELL_DN
                                                               GSE40274_FOXP3_VS_FOXP3_AND_PBX1_TRANSDUCED_ACTIVATED_CD4_TCELL_DN, GSE40274_FOXP3_VS_FOXP3_AND_PBX1_TRANSDUCED_ACTIVATED_CD4_TCELL_DN
                                                               GSE12392_CD8A_POS_VS_NEG_SPLEEN_DC_UP, GSE12392_CD8A_POS_VS_NEG_SPLEEN_DC_UP
                                                               GSE14350_IL2RB_KO_VS_WT_TEFF_UP, GSE14350_IL2RB_KO_VS_WT_TEFF_UP
                                                               GSE40274_CTRL_VS_FOXP3_AND_PBX1_TRANSDUCED_ACTIVATED_CD4_TCELL_UP, GSE40274_CTRL_VS_FOXP3_AND_PBX1_TRANSDUCED_ACTIVATED_CD4_TCELL_UP
                                                               GSE13547_WT_VS_ZFX_KO_BCELL_UP, GSE13547_WT_VS_ZFX_KO_BCELL_UP
                                                               GSE24142_EARLY_THYMIC_PROGENITOR_VS_DN3_THYMOCYTE_FETAL_DN, GSE24142_EARLY_THYMIC_PROGENITOR_VS_DN3_THYMOCYTE_FETAL_DN
                                                               GSE21774_CD62L_POS_CD56_BRIGHT_VS_CD62L_NEG_CD56_DIM_NK_CELL_DN, GSE21774_CD62L_POS_CD56_BRIGHT_VS_CD62L_NEG_CD56_DIM_NK_CELL_DN
                                                               GSE38304_MYC_NEG_VS_POS_GC_BCELL_UP, GSE38304_MYC_NEG_VS_POS_GC_BCELL_UP
                                                               GSE39110_UNTREATED_VS_IL2_TREATED_CD8_TCELL_DAY3_POST_IMMUNIZATION_UP, GSE39110_UNTREATED_VS_IL2_TREATED_CD8_TCELL_DAY3_POST_IMMUNIZATION_UP
                                                               GSE3203_HEALTHY_VS_INFLUENZA_INFECTED_LN_BCELL_UP, GSE3203_HEALTHY_VS_INFLUENZA_INFECTED_LN_BCELL_UP
                                                               GSE14699_NAIVE_VS_ACT_CD8_TCELL_DN, GSE14699_NAIVE_VS_ACT_CD8_TCELL_DN
                                                               GSE24142_DN2_VS_DN3_THYMOCYTE_DN, GSE24142_DN2_VS_DN3_THYMOCYTE_DN
                                                               REACTOME_SIGNALING_BY_NTRKS, REACTOME_SIGNALING_BY_NTRKS
                                                               GSE4142 NAIVE VS GC BCELL UP, GSE4142 NAIVE VS GC BCELL UP
                                                               WP_TGFBETA_SIGNALING_PATHWAY, WP_TGFBETA_SIGNALING_PATHWAY
                                                               GSE17186_MEMORY_VS_NAIVE_BCELL_UP, GSE17186_MEMORY_VS_NAIVE_BCELL_UP
                                                               GSE41867_NAIVE_VS_DAY6_LCMV_ARMSTRONG_EFFECTOR_CD8_TCELL_UP, GSE41867_NAIVE_VS_DAY6_LCMV_ARMSTRONG_EFFECTOR_CD8_TCELL_UP
                                                               GCATTTG_MIR105, GCATTTG_MIR105
                                                               MIR5579_3P, MIR5579_3P
                                                               GSE14415_INDUCED_TREG_VS_TCONV_DN, GSE14415_INDUCED_TREG_VS_TCONV_DN
                                                               MIR1184, MIR1184
                                                               GSE41867_NAIVE_VS_DAY30_LCMV_CLONE13_EXHAUSTED_CD8_TCELL_UP, GSE41867_NAIVE_VS_DAY30_LCMV_CLONE13_EXHAUSTED_CD8_TCELL_UP
                                                               GSE36078_UNTREATED_VS_AD5_INF_IL1R_KO_MOUSE_LUNG_DC_UP, GSE36078_UNTREATED_VS_AD5_INF_IL1R_KO_MOUSE_LUNG_DC_UP
                                                               GSE40274 LEF1 VS FOXP3 AND LEF1 TRANSDUCED ACTIVATED CD4 TCELL DN, GSE40274 LEF1 VS FOXP3 AND LEF1 TRANSDUCED ACTIVATED CD4 TCELL DN
                                                               MIR3977, MIR3977
                                                               GSE13547_CTRL_VS_ANTI_IGM_STIM_ZFX_KO_BCELL_12H_DN, GSE13547_CTRL_VS_ANTI_IGM_STIM_ZFX_KO_BCELL_12H_DN
                                                               GSE40685_NAIVE_CD4_TCELL_VS_TREG_DN, GSE40685_NAIVE_CD4_TCELL_VS_TREG_DN
                                                               TBX1 TARGET GENES, TBX1 TARGET GENES
                                                               GSE7460_CTRL_VS_TGFB_TREATED_ACT_CD8_TCELL_DN, GSE7460_CTRL_VS_TGFB_TREATED_ACT_CD8_TCELL_DN
                                                               AACATTC MIR4093P, AACATTC MIR4093P
                                                               GSE15930_NAIVE_VS_48H_IN_VITRO_STIM_IL12_CD8_TCELL_UP, GSE15930_NAIVE_VS_48H_IN_VITRO_STIM_IL12_CD8_TCELL_UP
                                                               GSE37532_VISCERAL_ADIPOSE_TISSUE_VS_LN_DERIVED_TREG_CD4_TCELL_UP, GSE37532_VISCERAL_ADIPOSE_TISSUE_VS_LN_DERIVED_TREG_CD4_TCELL_UP
                                                               HALLMARK UV RESPONSE DN, HALLMARK UV RESPONSE DN
                                                               GSE1460 INTRATHYMIC T PROGENITOR VS DP THYMOCYTE DN, GSE1460 INTRATHYMIC T PROGENITOR VS DP THYMOCYTE DN
                                                               MIR4426, MIR4426
                                                               GSE14699 NAIVE VS DELETIONAL TOLERANCE CD8 TCELL UP, GSE14699 NAIVE VS DELETIONAL TOLERANCE CD8 TCELL UP
                                                              HP_SELF_INJURIOUS_BEHAVIOR, HP_SELF_INJURIOUS_BEHAVIOR
                                                               GSE45739_UNSTIM_VS_ACD3_ACD28_STIM_WT_CD4_TCELL_UP, GSE45739_UNSTIM_VS_ACD3_ACD28_STIM_WT_CD4_TCELL_UP
                                                               GSE21670 TGFB VS IL6 TREATED STAT3 KO CD4 TCELL UP, GSE21670 TGFB VS IL6 TREATED STAT3 KO CD4 TCELL UP
                                                               GSE14415_ACT_TCONV_VS_ACT_NATURAL_TREG_UP, GSE14415_ACT_TCONV_VS_ACT_NATURAL_TREG_UP
                                                               ACTACCT_MIR196A_MIR196B, ACTACCT_MIR196A_MIR196B
                                                               GSE15330_HSC_VS_MEGAKARYOCYTE_ERYTHROID_PROGENITOR_UP, GSE15330_HSC_VS_MEGAKARYOCYTE_ERYTHROID_PROGENITOR_UP
                                                               REACTOME_SIGNALING_BY_TGF_BETA_RECEPTOR_COMPLEX, REACTOME_SIGNALING_BY_TGF_BETA_RECEPTOR_COMPLEX
                                                               GSE15330_LYMPHOID_MULTIPOTENT_VS_MEGAKARYOCYTE_ERYTHROID_PROGENITOR_IKAROS_KO_UP, GSE15330_LYMPHOID_MULTIPOTENT_VS_MEGAKARYOCYTE_ERYTHROID_PROGENITOR_IKAROS_KO_UP
                                                               REACTOME_PI_METABOLISM, REACTOME_PI_METABOLISM
                                                               KEGG_CHRONIC_MYELOID_LEUKEMIA, KEGG_CHRONIC_MYELOID_LEUKEMIA
                                                               GSE22886_NAIVE_VS_IGM_MEMORY_BCELL_UP, GSE22886_NAIVE_VS_IGM_MEMORY_BCELL_UP
                                                               MIR5583 5P, MIR5583 5P
                                                               ZAK_PBMC_MRKAD5_HIV_1_GAG_POL_NEF_AGE_20_50YO_CORRELATED_WITH_CD8_T_CELL_RESPONSE_3DY_POSITIVE, ZAK_PBMC_MRKAD5_HIV_1_GAG_POL_NEF_AGE_20_50YO_CORRELATED_WITH_CD8_T_CELL_RESPONSE_3DY_POSITIVE
                                                               MIR624_5P, MIR624_5P
                                                               LAKE_ADULT_KIDNEY_C21_COLLECTING_DUCT_INTERCALATED_CELLS_TYPE_B, LAKE_ADULT_KIDNEY_C21_COLLECTING_DUCT_INTERCALATED_CELLS_TYPE_B
                                                               HP ROUND FACE, HP ROUND FACE
                                                               GSE2935_UV_INACTIVATED_VS_LIVE_SENDAI_VIRUS_INF_MACROPHAGE_UP, GSE2935_UV_INACTIVATED_VS_LIVE_SENDAI_VIRUS_INF_MACROPHAGE_UP
                                                               WP_BRAINDERIVED_NEUROTROPHIC_FACTOR_BDNF_SIGNALING_PATHWAY, WP_BRAINDERIVED_NEUROTROPHIC_FACTOR_BDNF_SIGNALING_PATHWAY
                                                               THAKAR_PBMC_INACTIVATED_INFLUENZA_AGE_21_30YO_NONRESPONDER_7DY_DN, THAKAR_PBMC_INACTIVATED_INFLUENZA_AGE_21_30YO_NONRESPONDER_7DY_DN
                                                               REACTOME_SIGNALING_BY_TGFB_FAMILY_MEMBERS, REACTOME_SIGNALING_BY_TGFB_FAMILY_MEMBERS
50 TREG VS TEFF UP, GSE14350 TREG VS TEFF UP
                                                               MIR1244, MIR1244
                                                               HP_THICKENED_NUCHAL_SKIN_FOLD, HP_THICKENED_NUCHAL_SKIN_FOLD
                                                               MIR1279, MIR1279
                                                               HP_GENERALIZED_HIRSUTISM, HP_GENERALIZED_HIRSUTISM
                                                               GSE14415_INDUCED_TREG_VS_FOXP3_KO_INDUCED_TREG_IL2_CULTURE_DN, GSE14415_INDUCED_TREG_VS_FOXP3_KO_INDUCED_TREG_IL2_CULTURE_DN
                                                               MIR3678_3P, MIR3678_3P
                                                               HP_HIGH_NARROW_PALATE, HP_HIGH_NARROW_PALATE
                                                               MIR12125, MIR12125
                                                               HP_GASTROINTESTINAL_HEMORRHAGE, HP_GASTROINTESTINAL_HEMORRHAGE
                                                               GSE14769_UNSTIM_VS_40MIN_LPS_BMDM_UP, GSE14769_UNSTIM_VS_40MIN_LPS_BMDM_UP
                                                               KEGG_ERBB_SIGNALING_PATHWAY, KEGG_ERBB_SIGNALING_PATHWAY
                                                               MIR4691_3P, MIR4691_3P
                                                               BROWNE_HCMV_INFECTION_10HR_UP, BROWNE_HCMV_INFECTION_10HR_UP
                                                               HP_SUDDEN_DEATH, HP_SUDDEN_DEATH
                                                               HP_ABNORMAL_CLAVICLE_MORPHOLOGY, HP_ABNORMAL_CLAVICLE_MORPHOLOGY
                                                               WP_KIT_RECEPTOR_SIGNALING_PATHWAY, WP_KIT_RECEPTOR_SIGNALING_PATHWAY
                                                               MIR4726_5P, MIR4726_5P
                                                               MIR3157_5P, MIR3157_5P
                                                               REACTOME_SIGNALING_BY_FGFR1_IN_DISEASE, REACTOME_SIGNALING_BY_FGFR1_IN_DISEASE
                                                               WP_MAPK_CASCADE, WP_MAPK_CASCADE
                                                               MIR6886_3P, MIR6886_3P
                                                               MIR1324, MIR1324
                                                               MIR8060, MIR8060
                                                               HP_ABNORMAL_MORPHOLOGY_OF_THE_LIMBIC_SYSTEM, HP_ABNORMAL_MORPHOLOGY_OF_THE_LIMBIC_SYSTEM
                                                               MIR711, MIR711
                                                               HP_TYPICAL_ABSENCE_SEIZURE, HP_TYPICAL_ABSENCE_SEIZURE
                                                               GSE13306_TREG_VS_TCONV_SPLEEN_UP, GSE13306_TREG_VS_TCONV_SPLEEN_UF
                                                               REACTOME SIGNALING BY ERYTHROPOIETIN, REACTOME SIGNALING BY ERYTHROPOIETIN
                                                               MIR875_5P, MIR875_5P
                                                               WP_RAC1PAK1P38MMP2_PATHWAY, WP_RAC1PAK1P38MMP2_PATHWAY
                                                               HP_FOCAL_MOTOR_SEIZURE, HP_FOCAL_MOTOR_SEIZURE
                                                               HP_BIPARIETAL_NARROWING, HP_BIPARIETAL_NARROWING
                                                               MIR2909, MIR2909
                                                               GOBP_NEURON_PROJECTION_ORGANIZATION, GOBP_NEURON_PROJECTION_ORGANIZATION
                                                               MIR34C_3P, MIR34C_3P
                                                               WP_IL5_SIGNALING_PATHWAY, WP_IL5_SIGNALING_PATHWAY
                                                               MIR10393_3P, MIR10393_3P
                                                               PID_ER_NONGENOMIC_PATHWAY, PID_ER_NONGENOMIC_PATHWAY
                                                               BOSCO_TH1_CYTOTOXIC_MODULE, BOSCO_TH1_CYTOTOXIC_MODULE
                                                               WP_NEURODEGENERATION_WITH_BRAIN_IRON_ACCUMULATION_NBIA_SUBTYPES_PATHWAY, WP_NEURODEGENERATION_WITH_BRAIN_IRON_ACCUMULATION_NBIA_SUBTYPES_PATHWAY
                                                               PID EPO PATHWAY, PID EPO PATHWAY
                                                               TONKS_TARGETS_OF_RUNX1_RUNX1T1_FUSION_GRANULOCYTE_UP, TONKS_TARGETS_OF_RUNX1_RUNX1T1_FUSION_GRANULOCYTE_UP
                                                               HP_OCULOGYRIC_CRISIS, HP_OCULOGYRIC_CRISIS
                                                               PID_GMCSF_PATHWAY, PID_GMCSF_PATHWAY
                                                               SOBOLEV_PBMC_PANDEMRIX_AGE_18_64YO_HIGH_VS_LOW_RESPONDERS_MEDIUM_HIGH_ADVERSE_EVENTS_SCORE_1DY_CORRELATED_WITH_TRANSITIONAL_B_CELLS_UP, SOBOLEV_PBMC_PANDEMRIX_SCORE_1DY_CORRELATED_WITH_TRANSITIONAL_B_CELLS_UP, SOBOLEV_PBMC_PANDEMRIX_SCORE_1DY_CORRELATED_WITH_TRANSITIONAL_B_CELLS_UP, SOBOLEV_PBMC_PANDEMRIX_SCORE_1DY_CORRELATED_WITH_TRANSITIONAL_B_CELLS_UP, SOBOLEV_PBMC_TRANSITIONAL_B_TRANSITIONAL_B_TRANSITIONAL_B_TRANSITIONAL_B_TRANSITIONAL_B_TRANSITIONAL_B_TRANSITIONAL_B_TRANSITIONAL_B_TRANSITIONAL_B_TRANSITIONAL_B_TRANSITIONAL_B_TRANSITIONAL_B
                                                               HP_FOCAL_EMOTIONAL_SEIZURE, HP_FOCAL_EMOTIONAL_SEIZURE
                                                               HP_EYELID_MYOCLONUS, HP_EYELID_MYOCLONUS
                                                               MIR6513 5P, MIR6513 5P
                                                               HP_ABNORMAL_IRIS_PIGMENTATION, HP_ABNORMAL_IRIS_PIGMENTATION
                                                               MIR4323, MIR4323
                                                               REACTOME_SIGNALING_BY_PDGF, REACTOME_SIGNALING_BY_PDGF
                                                               REACTOME_SIGNALING_BY_KIT_IN_DISEASE, REACTOME_SIGNALING_BY_KIT_IN_DISEASE
                                                               GSE1925_CTRL_VS_IFNG_PRIMED_MACROPHAGE_3H_IFNG_STIM_DN, GSE1925_CTRL_VS_IFNG_PRIMED_MACROPHAGE_3H_IFNG_STIM_DN
                                                               GOBP PHOSPHOLIPID DEPHOSPHORYLATION, GOBP PHOSPHOLIPID DEPHOSPHORYLATION
                                                               PID_TRKR_PATHWAY, PID_TRKR_PATHWAY
                                                               WP_BDNFTRKB_SIGNALING, WP_BDNFTRKB_SIGNALING
                                                               GSE34156 UNTREATED VS 24H TLR1 TLR2 LIGAND TREATED MONOCYTE UP, GSE34156 UNTREATED VS 24H TLR1 TLR2 LIGAND TREATED MONOCYTE UP
                                                               RODRIGUES_NTN1_AND_DCC_TARGETS, RODRIGUES_NTN1_AND_DCC_TARGETS
                                                               SOBOLEV_PBMC_PANDEMRIX_AGE_18_64YO_MEDIUM_HIGH_ADVERSE_EVENT_SUBJECTS_1DY_UP, SOBOLEV_PBMC_PANDEMRIX_AGE_18_64YO_MEDIUM_HIGH_ADVERSE_EVENT_SUBJECTS_1DY_UP
                                                               GOMF_PRIMARY_ACTIVE_TRANSMEMBRANE_TRANSPORTER_ACTIVITY, GOMF_PRIMARY_ACTIVE_TRANSMEMBRANE_TRANSPORTER_ACTIVITY
                                                               REACTOME_SIGNALING_BY_SCF_KIT, REACTOME_SIGNALING_BY_SCF_KIT
                                                               WP_IL2_SIGNALING_PATHWAY, WP_IL2_SIGNALING_PATHWAY
                                                               REACTOME_ERYTHROPOIETIN_ACTIVATES_RAS, REACTOME_ERYTHROPOIETIN_ACTIVATES_RAS
                                                               GOBP_ASSOCIATIVE_LEARNING, GOBP_ASSOCIATIVE_LEARNING
                                                               WP_15Q133_COPY_NUMBER_VARIATION_SYNDROME, WP_15Q133_COPY_NUMBER_VARIATION_SYNDROME
                                                               GOBP_ERBB2_SIGNALING_PATHWAY, GOBP_ERBB2_SIGNALING_PATHWAY
                                                               GOMF_SUMO_TRANSFERASE_ACTIVITY, GOMF_SUMO_TRANSFERASE_ACTIVITY
                                                               WP_ECTODERM_DIFFERENTIATION, WP_ECTODERM_DIFFERENTIATION
                                                               HP_SHORT_CHIN, HP_SHORT_CHIN
                                                               GOBP NEGATIVE REGULATION OF EXTRINSIC APOPTOTIC SIGNALING PATHWAY, GOBP NEGATIVE REGULATION OF EXTRINSIC APOPTOTIC SIGNALING PATHWAY
                                                               GOBP EXCRETION, GOBP_EXCRETION
                                                               GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_CYAN_UP, GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_CYAN_UP
                                                               GOBP POSITIVE REGULATION OF FOCAL ADHESION ASSEMBLY, GOBP POSITIVE REGULATION OF FOCAL ADHESION ASSEMBLY
                                                               MIZUSHIMA_AUTOPHAGOSOME_FORMATION, MIZUSHIMA_AUTOPHAGOSOME_FORMATION
                                                               REACTOME_TIE2_SIGNALING, REACTOME_TIE2_SIGNALING
                                                               GOBP_REGULATION_OF_SYNAPTIC_TRANSMISSION_GABAERGIC, GOBP_REGULATION_OF_SYNAPTIC_TRANSMISSION_GABAERGIC
                                                               GOBP_REGULATION_OF_MEMBRANE_REPOLARIZATION, GOBP_REGULATION_OF_MEMBRANE_REPOLARIZATION
                                                               GOMF EPHRIN RECEPTOR BINDING, GOMF EPHRIN RECEPTOR BINDING
                                                               REACTOME_SIGNALING_BY_ERBB4, REACTOME_SIGNALING_BY_ERBB4
                                                              ZNF426_TARGET_GENES, ZNF426_TARGET_GENES
                                                               HP_FOCAL_NON_MOTOR_SEIZURE, HP_FOCAL_NON_MOTOR_SEIZURE
                                                               GOMF_ABC_TYPE_TRANSPORTER_ACTIVITY, GOMF_ABC_TYPE_TRANSPORTER_ACTIVITY
                                                               REACTOME_SIGNALING_BY_PDGFR_IN_DISEASE, REACTOME_SIGNALING_BY_PDGFR_IN_DISEASE
                                                               MIR6872_3P, MIR6872_3P
                                                               GOBP_LYMPHOID_PROGENITOR_CELL_DIFFERENTIATION, GOBP_LYMPHOID_PROGENITOR_CELL_DIFFERENTIATION
                                                               GOBP_METENCEPHALON_DEVELOPMENT, GOBP_METENCEPHALON_DEVELOPMENT
                                                               REACTOME_NCAM_SIGNALING_FOR_NEURITE_OUT_GROWTH, REACTOME_NCAM_SIGNALING_FOR_NEURITE_OUT_GROWTH
                                                               SHIN_B_CELL_LYMPHOMA_CLUSTER_9, SHIN_B_CELL_LYMPHOMA_CLUSTER_9
                                                              REACTOME_SIGNALING_BY_NTRK2_TRKB, REACTOME_SIGNALING_BY_NTRK2_TRKB
                                                              GOBP_PERICARDIUM_DEVELOPMENT, GOBP_PERICARDIUM_DEVELOPMENT
                                                              WP_MAPK_PATHWAY_IN_CONGENITAL_THYROID_CANCER, WP_MAPK_PATHWAY_IN_CONGENITAL_THYROID_CANCER
                                                              REACTOME_SHC_MEDIATED_CASCADE_FGFR1, REACTOME_SHC_MEDIATED_CASCADE_FGFR1
                                                               GOBP_REGULATION_OF_POTASSIUM_ION_TRANSMEMBRANE_TRANSPORTER_ACTIVITY, GOBP_REGULATION_OF_POTASSIUM_ION_TRANSMEMBRANE_TRANSPORTER_ACTIVITY
                                                               REACTOME_FRS_MEDIATED_FGFR1_SIGNALING, REACTOME_FRS_MEDIATED_FGFR1_SIGNALING
                                                               REACTOME_SIGNALING_BY_PDGFRA_TRANSMEMBRANE_JUXTAMEMBRANE_AND_KINASE_DOMAIN_MUTANTS, REACTOME_SIGNALING_BY_PDGFRA_TRANSMEMBRANE_JUXTAMEMBRANE_AND_KINASE_DOMAIN_MUTANTS
                                                               TCCCCAC_MIR491, TCCCCAC_MIR491
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GSE43863\_TH1\_VS\_TFH\_EFFECTOR\_CD4\_TCELL\_DN, GSE43863\_TH1\_VS\_TFH\_EFFECTOR\_CD4\_TCELL\_DN

GSE40068\_BCL6\_POS\_VS\_NEG\_CXCR5\_POS\_TFH\_DN, GSE40068\_BCL6\_POS\_VS\_NEG\_CXCR5\_POS\_TFH\_DN

GSE41867\_NAIVE\_VS\_DAY6\_LCMV\_EFFECTOR\_CD8\_TCELL\_DN, GSE41867\_NAIVE\_VS\_DAY6\_LCMV\_EFFECTOR\_CD8\_TCELL\_DN

GSE41867 NAIVE VS DAY8 LCMV\_EFFECTOR\_CD8\_TCELL\_DN, GSE41867\_NAIVE\_VS\_DAY8\_LCMV\_EFFECTOR\_CD8\_TCELL\_DN

REACTOME\_DOWNSTREAM\_SIGNALING\_OF\_ACTIVATED\_FGFR3, REACTOME\_DOWNSTREAM\_SIGNALING\_OF\_ACTIVATED\_FGFR3

REACTOME\_DOWNSTREAM\_SIGNALING\_OF\_ACTIVATED\_FGFR2, REACTOME\_DOWNSTREAM\_SIGNALING\_OF\_ACTIVATED\_FGFR2

WP FGFR3 SIGNALLING IN CHONDROCYTE PROLIFERATION AND TERMINAL DIFFERENTIATION, WP FGFR3 SIGNALLING IN CHONDROCYTE PROLIFERATION AND TERMINAL DIFFERENTIATION

CHANGOLKAR H2AFY TARGETS UP, CHANGOLKAR H2AFY TARGETS UP

REACTOME\_SIGNALING\_BY\_FGFR4\_IN\_DISEASE, REACTOME\_SIGNALING\_BY\_FGFR4\_IN\_DISEASE

REACTOME FRS MEDIATED FGFR3 SIGNALING, REACTOME FRS MEDIATED FGFR3 SIGNALING

GOBP\_RESPONSE\_TO\_BMP, GOBP\_RESPONSE\_TO\_BMP

HP PNEUMOTHORAX, HP PNEUMOTHORAX

ZNF157\_TARGET\_GENES, ZNF157\_TARGET\_GENES

WP\_IL7\_SIGNALING\_PATHWAY, WP\_IL7\_SIGNALING\_PATHWAY

GOMF\_SUMO\_LIGASE\_ACTIVITY, GOMF\_SUMO\_LIGASE\_ACTIVITY

MIR3137, MIR3137

GSE21670\_UNTREATED\_VS\_IL6\_TREATED\_CD4\_TCELL\_DN, GSE21670\_UNTREATED\_VS\_IL6\_TREATED\_CD4\_TCELL\_DN

GSE23568\_ID3\_TRANSDUCED\_VS\_ID3\_KO\_CD8\_TCELL\_DN, GSE23568\_ID3\_TRANSDUCED\_VS\_ID3\_KO\_CD8\_TCELL\_DN

GSE41867\_DAY8\_VS\_DAY15\_LCMV\_CLONE13\_EFFECTOR\_CD8\_TCELL\_UP, GSE41867\_DAY8\_VS\_DAY15\_LCMV\_CLONE13\_EFFECTOR\_CD8\_TCELL\_UP