```
GSE43863_TH1_VS_TFH_EFFECTOR_CD4_TCELL_DN, GSE43863_TH1_VS_TFH_EFFECTOR_CD4_TCELL_DN
                                                            GSE11864_UNTREATED_VS_CSF1_PAM3CYS_IN_MAC_UP, GSE11864_UNTREATED_VS_CSF1_PAM3CYS_IN_MAC_UP
                                                            GSE3039_ALPHABETA_CD8_TCELL_VS_B1_BCELL_UP, GSE3039_ALPHABETA_CD8_TCELL_VS_B1_BCELL_UP
                                                            GSE14308_INDUCED_VS_NATURAL_TREG_DN, GSE14308_INDUCED_VS_NATURAL_TREG_DN
                                                            GSE13306_LAMINA_PROPRIA_VS_SPLEEN_TREG_UP, GSE13306_LAMINA_PROPRIA_VS_SPLEEN_TREG_UP
                                                            GSE40068 BCL6 POS VS NEG CXCR5 POS TFH DN, GSE40068 BCL6 POS VS NEG CXCR5 POS TFH DN
                                                            GSE38696 LIGHT_ZONE_VS_DARK_ZONE_BCELL_UP, GSE38696_LIGHT_ZONE_VS_DARK_ZONE_BCELL_UP
                                                            GSE17186_BLOOD_VS_CORD_BLOOD_CD21LOW_TRANSITIONAL_BCELL_UP, GSE17186_BLOOD_VS_CORD_BLOOD_CD21LOW_TRANSITIONAL_BCELL_UP
                                                            MIR522_3P, MIR522_3P
                                                            MIR224 3P, MIR224 3P
                                                            GSE41867_DAY8_VS_DAY15_LCMV_CLONE13_EFFECTOR_CD8_TCELL_UP, GSE41867_DAY8_VS_DAY15_LCMV_CLONE13_EFFECTOR_CD8_TCELL_UP
                                                            GSE3039_CD4_TCELL_VS_NKT_CELL_UP, GSE3039_CD4_TCELL_VS_NKT_CELL_UP
                                                            GSE21670 UNTREATED VS IL6 TREATED CD4 TCELL DN, GSE21670 UNTREATED VS IL6 TREATED CD4 TCELL DN
                                                            GSE41867_NAIVE_VS_DAY6_LCMV_EFFECTOR_CD8_TCELL_DN, GSE41867_NAIVE_VS_DAY6_LCMV_EFFECTOR_CD8_TCELL_DN
                                                            GOLDRATH_EFF_VS_MEMORY_CD8_TCELL_DN, GOLDRATH_EFF_VS_MEMORY_CD8_TCELL_DN
                                                            GSE7460_TREG_VS_TCONV_ACT_UP, GSE7460_TREG_VS_TCONV_ACT_UP
                                                            GSE22601_CD4_SINGLE_POSITIVE_VS_CD8_SINGLE_POSITIVE_THYMOCYTE_DN, GSE22601_CD4_SINGLE_POSITIVE_VS_CD8_SINGLE_POSITIVE_THYMOCYTE_DN
                                                            GSE27786_CD4_VS_CD8_TCELL_UP, GSE27786_CD4_VS_CD8_TCELL_UP
                                                            GSE16450_IMMATURE_VS_MATURE_NEURON_CELL_LINE_12H_IFNA_STIM_UP, GSE16450_IMMATURE_VS_MATURE_NEURON_CELL_LINE_12H_IFNA_STIM_UP
                                                            KAECH_NAIVE_VS_DAY8_EFF_CD8_TCELL_UP, KAECH_NAIVE_VS_DAY8_EFF_CD8_TCELL_UP
                                                            GSE15330_HSC_VS_GRANULOCYTE_MONOCYTE_PROGENITOR_DN, GSE15330_HSC_VS_GRANULOCYTE_MONOCYTE_PROGENITOR_DN
                                                            GSE32423_MEMORY_VS_NAIVE_CD8_TCELL_DN, GSE32423_MEMORY_VS_NAIVE_CD8_TCELL_DN
                                                            GSE25088 IL4_VS_IL4_AND_ROSIGLITAZONE_STIM_MACROPHAGE_DAY10_UP, GSE25088_IL4_VS_IL4_AND_ROSIGLITAZONE_STIM_MACROPHAGE_DAY10_UP
                                                            GSE14908_RESTING_VS_HDM_STIM_CD4_TCELL_ATOPIC_PATIENT_DN, GSE14908_RESTING_VS_HDM_STIM_CD4_TCELL_ATOPIC_PATIENT_DN
                                                            GSE37301_PRO_BCELL_VS_RAG2_KO_NK_CELL_DN, GSE37301_PRO_BCELL_VS_RAG2_KO_NK_CELL_DN
                                                            GSE40274_FOXP3_VS_FOXP3_AND_EOS_TRANSDUCED_ACTIVATED_CD4_TCELL_UP, GSE40274_FOXP3_VS_FOXP3_AND_EOS_TRANSDUCED_ACTIVATED_CD4_TCELL_UP
                                                           GSE44649_WT_VS_MIR155_KO_ACTIVATED_CD8_TCELL_UP, GSE44649_WT_VS_MIR155_KO_ACTIVATED_CD8_TCELL_UP
                                                           GSE41867_NAIVE_VS_DAY8_LCMV_EFFECTOR_CD8_TCELL_DN, GSE41867_NAIVE_VS_DAY8_LCMV_EFFECTOR_CD8_TCELL_DN
                                                            GSE23568_ID3_TRANSDUCED_VS_ID3_KO_CD8_TCELL_DN, GSE23568_ID3_TRANSDUCED_VS_ID3_KO_CD8_TCELL_DN
                                                            GSE20152_SPHK1_KO_VS_WT_HTNFA_OVERXPRESS_ANKLE_UP, GSE20152_SPHK1_KO_VS_WT_HTNFA_OVERXPRESS_ANKLE_UP
                                                            GSE24671_CTRL_VS_BAKIMULC_INFECTED_MOUSE_SPLENOCYTES_UP, GSE24671_CTRL_VS_BAKIMULC_INFECTED_MOUSE_SPLENOCYTES_UP
                                                            GSE24142_ADULT_VS_FETAL_DN3_THYMOCYTE_UP, GSE24142_ADULT_VS_FETAL_DN3_THYMOCYTE_UP
                                                            GSE17580_UNINFECTED_VS_S_MANSONI_INF_TREG_UP, GSE17580_UNINFECTED_VS_S_MANSONI_INF_TREG_UP
                                                            GSE3691_IFN_PRODUCING_KILLER_DC_VS_PLASMACYTOID_DC_SPLEEN_UP, GSE3691_IFN_PRODUCING_KILLER_DC_VS_PLASMACYTOID_DC_SPLEEN_UP
                                                            GSE7460_TCONV_VS_TREG_LN_DN, GSE7460_TCONV_VS_TREG_LN_DN
                                                            GSE15735_CTRL_VS_HDAC_INHIBITOR_TREATED_CD4_TCELL_12H_DN, GSE15735_CTRL_VS_HDAC_INHIBITOR_TREATED_CD4_TCELL_12H_DN
                                                            GSE17186_BLOOD_VS_CORD_BLOOD_NAIVE_BCELL_DN, GSE17186_BLOOD_VS_CORD_BLOOD_NAIVE_BCELL_DN
                                                            GSE40274_GATA1_VS_FOXP3_AND_GATA1_TRANSDUCED_ACTIVATED_CD4_TCELL_UP, GSE40274_GATA1_VS_FOXP3_AND_GATA1_TRANSDUCED_ACTIVATED_CD4_TCELL_UP
                                                            GSE7852_TREG_VS_TCONV_LN_UP, GSE7852_TREG_VS_TCONV_LN_UP
                                                            GSE8921_UNSTIM_VS_TLR1_2_STIM_MONOCYTE_6H_UP, GSE8921_UNSTIM_VS_TLR1_2_STIM_MONOCYTE_6H_UP
                                                            HALLMARK INTERFERON GAMMA RESPONSE, HALLMARK INTERFERON GAMMA RESPONSE
                                                            GSE43863 TH1_VS_LY6C_INT_CXCR5POS_EFFECTOR_CD4_TCELL_DN, GSE43863_TH1_VS_LY6C_INT_CXCR5POS_EFFECTOR_CD4_TCELL_DN
                                                            GSE20366 TREG VS NAIVE CD4 TCELL HOMEOSTATIC CONVERSION DN, GSE20366 TREG VS NAIVE CD4 TCELL HOMEOSTATIC CONVERSION DN
                                                           DAZARD UV RESPONSE CLUSTER G6, DAZARD UV RESPONSE CLUSTER G6
                                                            GSE6259 FLT3L INDUCED DEC205 POS DC VS CD4 TCELL UP, GSE6259 FLT3L INDUCED DEC205 POS DC VS CD4 TCELL UP
                                                            GSE22601_DOUBLE_POSITIVE_VS_CD8_SINGLE_POSITIVE_THYMOCYTE_UP, GSE22601_DOUBLE_POSITIVE_VS_CD8_SINGLE_POSITIVE_THYMOCYTE_UP
                                                            GSE39110_DAY3_VS_DAY6_POST_IMMUNIZATION_CD8_TCELL_WITH_IL2_TREATMENT_DN, GSE39110_DAY3_VS_DAY6_POST_IMMUNIZATION_CD8_TCELL_WITH_IL2_TREATMENT_DN
                                                           GSE15330_WT_VS_IKAROS_KO_HSC_UP, GSE15330_WT_VS_IKAROS_KO_HSC_UP
                                                           GSE27896_HDAC6_KO_VS_WT_TREG_UP, GSE27896_HDAC6_KO_VS_WT_TREG_UP
                                                           GSE17580 TREG VS TEFF S MANSONI INF UP. GSE17580 TREG VS TEFF S MANSONI INF UP
                                                            GSE40277 EOS AND LEF1 TRANSDUCED VS CTRL CD4 TCELL UP, GSE40277 EOS AND LEF1 TRANSDUCED VS CTRL CD4 TCELL UP
                                                           GSE2770_TGFB_AND_IL4_VS_TGFB_AND_IL12_TREATED_ACT_CD4_TCELL_6H_DN, GSE2770_TGFB_AND_IL4_VS_TGFB_AND_IL12_TREATED_ACT_CD4_TCELL_6H_DN
                                                            GSE24142 DN2 VS DN3 THYMOCYTE DN, GSE24142 DN2 VS DN3 THYMOCYTE DN
                                                            GSE15324 NAIVE VS ACTIVATED ELF4 KO CD8 TCELL UP, GSE15324 NAIVE VS ACTIVATED ELF4 KO CD8 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 CTRL_VS_TGFB_TREATED_ACT_TCONV_DN, GSE7460_CTRL_VS_TGFB_TREATED_ACT_TCONV_DN
                                                            GSE14769_UNSTIM_VS_120MIN_LPS_BMDM_DN, GSE14769_UNSTIM_VS_120MIN_LPS_BMDM_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
                                                            GSE21670_TGFB_VS_IL6_TREATED_STAT3_KO_CD4_TCELL_DN, GSE21670_TGFB_VS_IL6_TREATED_STAT3_KO_CD4_TCELL_DN
                                                            GSE5679_PPARG_LIGAND_ROSIGLITAZONE_VS_RARA_AGONIST_AM580_TREATED_DC_DN, GSE5679_PPARG_LIGAND_ROSIGLITAZONE_VS_RARA_AGONIST_AM580_TREATED_DC_DN
                                                            GCATTTG_MIR105, GCATTTG_MIR105
                                                            GSE2770_UNTREATED_VS_IL4_TREATED_ACT_CD4_TCELL_6H_UP, GSE2770_UNTREATED_VS_IL4_TREATED_ACT_CD4_TCELL_6H_UP
                                                            GSE29164_UNTREATED_VS_CD8_TCELL_TREATED_MELANOMA_DAY3_DN, GSE29164_UNTREATED_VS_CD8_TCELL_TREATED_MELANOMA_DAY3_DN
                                                            GSE14350_IL2RB_KO_VS_WT_TEFF_UP, GSE14350_IL2RB_KO_VS_WT_TEFF_UP
                                                            WP_INSULIN_SIGNALING, WP_INSULIN_SIGNALING
                                                            GSE27786_LSK_VS_BCELL_DN, GSE27786_LSK_VS_BCELL_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
                                                            GSE23505 IL6 IL1 VS IL6 IL1 TGFB TREATED CD4 TCELL UP, GSE23505 IL6 IL1 VS IL6 IL1 TGFB TREATED CD4 TCELL UP
                                                            GSE21670_TGFB_VS_IL6_TREATED_STAT3_KO_CD4_TCELL_UP, GSE21670_TGFB_VS_IL6_TREATED_STAT3_KO_CD4_TCELL_UP
                                                            GSE26030_UNSTIM_VS_RESTIM_TH17_DAY5_POST_POLARIZATION_UP, GSE26030_UNSTIM_VS_RESTIM_TH17_DAY5_POST_POLARIZATION_UP
                                                            GSE36078 WT VS IL1R KO LUNG DC AFTER AD5 INF DN, GSE36078 WT VS IL1R KO LUNG DC AFTER AD5 INF DN
                                                            GSE40068_CXCR5POS_BCL6POS_TFH_VS_CXCR5NEG_BCL6NEG_CD4_TCELL_DN, GSE40068_CXCR5POS_BCL6POS_TFH_VS_CXCR5NEG_BCL6NEG_CD4_TCELL_DN
                                                            GSE36888_STAT5_AB_KNOCKIN_VS_WT_TCELL_IL2_TREATED_17H_UP, GSE36888_STAT5_AB_KNOCKIN_VS_WT_TCELL_IL2_TREATED_17H_UP
                                                            GSE13306_RA_VS_UNTREATED_MEM_CD4_TCELL_UP, GSE13306_RA_VS_UNTREATED_MEM_CD4_TCELL_UP
                                                            GSE13493_DP_VS_CD4INTCD8POS_THYMOCYTE_UP, GSE13493_DP_VS_CD4INTCD8POS_THYMOCYTE_UP
                                                            GSE40274_CTRL_VS_FOXP3_AND_PBX1_TRANSDUCED_ACTIVATED_CD4_TCELL_UP, GSE40274_CTRL_VS_FOXP3_AND_PBX1_TRANSDUCED_ACTIVATED_CD4_TCELL_UP
                                                            GSE14699_NAIVE_VS_ACT_CD8_TCELL_UP, GSE14699_NAIVE_VS_ACT_CD8_TCELL_UP
                                                            GSE21546_WT_VS_SAP1A_KO_AND_ELK1_KO_DP_THYMOCYTES_DN, GSE21546_WT_VS_SAP1A_KO_AND_ELK1_KO_DP_THYMOCYTES_DN
                                                            GSE8921 UNSTIM 0H VS TLR1 2 STIM MONOCYTE 12H DN, GSE8921 UNSTIM 0H VS TLR1 2 STIM MONOCYTE 12H DN
                                                            GSE40685 NAIVE CD4 TCELL VS TREG DN, GSE40685 NAIVE CD4 TCELL VS TREG DN
                                                            MIR1184, MIR1184
                                                            GSE40274_LEF1_VS_FOXP3_AND_LEF1_TRANSDUCED_ACTIVATED_CD4_TCELL_DN, GSE40274_LEF1_VS_FOXP3_AND_LEF1_TRANSDUCED_ACTIVATED_CD4_TCELL_DN
                                                            GSE14308 TH2 VS NAIVE CD4 TCELL DN, GSE14308 TH2 VS NAIVE CD4 TCELL DN
                                                            GSE13946_CTRL_VS_DSS_COLITIS_GD_TCELL_FROM_COLON_DN, GSE13946_CTRL_VS_DSS_COLITIS_GD_TCELL_FROM_COLON_DN
                                                            GSE38304_MYC_NEG_VS_POS_GC_BCELL_UP, GSE38304_MYC_NEG_VS_POS_GC_BCELL_UP
                                                            GSE13547_WT_VS_ZFX_KO_BCELL_UP, GSE13547_WT_VS_ZFX_KO_BCELL_UP
                                                            GSE12392 CD8A POS VS NEG SPLEEN DC UP, GSE12392 CD8A POS VS NEG SPLEEN DC UP
                                                            REACTOME SIGNALING BY NTRKS, REACTOME SIGNALING BY NTRKS
                                                            GSE41867_NAIVE_VS_DAY30_LCMV_CLONE13_EXHAUSTED_CD8_TCELL_UP, GSE41867_NAIVE_VS_DAY30_LCMV_CLONE13_EXHAUSTED_CD8_TCELL_UP
                                                            GSE4142_NAIVE_VS_GC_BCELL_UP, GSE4142_NAIVE_VS_GC_BCELL_UP
                                                            GSE14699_NAIVE_VS_ACT_CD8_TCELL_DN, GSE14699_NAIVE_VS_ACT_CD8_TCELL_DN
                                                            GSE37301_HEMATOPOIETIC_STEM_CELL_VS_RAG2_KO_NK_CELL_UP, GSE37301_HEMATOPOIETIC_STEM_CELL_VS_RAG2_KO_NK_CELL_UP
                                                            WP_TGFBETA_SIGNALING_PATHWAY, WP_TGFBETA_SIGNALING_PATHWAY
                                                            GSE37301_PRO_BCELL_VS_CD4_TCELL_UP, GSE37301_PRO_BCELL_VS_CD4_TCELL_UP
                                                            GSE43863_LY6C_INT_CXCR5POS_VS_LY6C_LOW_CXCR5NEG_EFFECTOR_CD4_TCELL_UP, GSE43863_LY6C_INT_CXCR5POS_VS_LY6C_LOW_CXCR5NEG_EFFECTOR_CD4_TCELL_UP
                                                            HP DIALEPTIC SEIZURE, HP DIALEPTIC SEIZURE
                                                            GSE13493_CD4INTCD8POS_VS_CD8POS_THYMOCYTE_UP, GSE13493_CD4INTCD8POS_VS_CD8POS_THYMOCYTE_UP
                                                            GSE7460_CTRL_VS_TGFB_TREATED_ACT_CD8_TCELL_DN, GSE7460_CTRL_VS_TGFB_TREATED_ACT_CD8_TCELL_DN
                                                            GSE14415_INDUCED_TREG_VS_TCONV_DN, GSE14415_INDUCED_TREG_VS_TCONV_DN
                                                            GSE39110 UNTREATED VS IL2 TREATED CD8 TCELL DAY3 POST IMMUNIZATION UP, GSE39110 UNTREATED VS IL2 TREATED CD8 TCELL DAY3 POST IMMUNIZATION UP
                                                            MIR4426, MIR4426
                                                            GSE14699_NAIVE_VS_DELETIONAL_TOLERANCE_CD8_TCELL_UP, GSE14699_NAIVE_VS_DELETIONAL_TOLERANCE_CD8_TCELL_UP
                                                            GSE41867_NAIVE_VS_DAY6_LCMV_ARMSTRONG_EFFECTOR_CD8_TCELL_UP, GSE41867_NAIVE_VS_DAY6_LCMV_ARMSTRONG_EFFECTOR_CD8_TCELL_UP
                                                            MIR5579 3P, MIR5579 3P
                                                            GSE24142 EARLY THYMIC PROGENITOR VS DN3 THYMOCYTE FETAL DN, GSE24142 EARLY THYMIC PROGENITOR VS DN3 THYMOCYTE FETAL DN
                                                            GSE9650_EFFECTOR_VS_EXHAUSTED_CD8_TCELL_DN, GSE9650_EFFECTOR_VS_EXHAUSTED_CD8_TCELL_DN
                                                            MIR3977, MIR3977
                                                            GSE8621 UNSTIM VS LPS PRIMED AND LPS STIM MACROPHAGE DN, GSE8621 UNSTIM VS LPS PRIMED AND LPS STIM MACROPHAGE DN
                                                            MIR4786 5P, MIR4786 5P
                                                            ACTACCT_MIR196A_MIR196B, ACTACCT_MIR196A_MIR196B
                                                            GSE22935_UNSTIM_VS_24H_MBOVIS_BCG_STIM_MACROPHAGE_DN, GSE22935_UNSTIM_VS_24H_MBOVIS_BCG_STIM_MACROPHAGE_DN
                                                            MIR624_5P, MIR624_5P
                                                            GSE36078 UNTREATED VS AD5 INF IL1R KO MOUSE LUNG DC UP, GSE36078 UNTREATED VS AD5 INF IL1R KO MOUSE LUNG DC UP
                                                            REACTOME PI METABOLISM, REACTOME PI METABOLISM
                                                            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
                                                            GSE13547_CTRL_VS_ANTI_IGM_STIM_ZFX_KO_BCELL_12H_DN, GSE13547_CTRL_VS_ANTI_IGM_STIM_ZFX_KO_BCELL_12H_DN
                                                            GSE22886 NAIVE VS IGM MEMORY BCELL UP, GSE22886 NAIVE VS IGM MEMORY BCELL UP
                                                            HP_SELF_INJURIOUS_BEHAVIOR, HP_SELF_INJURIOUS_BEHAVIOR
                                                            EIF4E DN, EIF4E DN
                                                            REACTOME_SIGNALING_BY_TGF_BETA_RECEPTOR_COMPLEX, REACTOME_SIGNALING_BY_TGF_BETA_RECEPTOR_COMPLEX
                                                            MIR3678_3P, MIR3678_3P
                                                            KEGG CHRONIC MYELOID LEUKEMIA, KEGG CHRONIC MYELOID LEUKEMIA
                                                            MIR338 3P, MIR338 3P
                                                            MIR630, MIR630
                                                            GSE27786_BCELL_VS_CD4_TCELL_DN, GSE27786_BCELL_VS_CD4_TCELL_DN
                                                            GSE31622 WT_VS_KLF3_KO_BCELL_DN, GSE31622 WT_VS_KLF3_KO_BCELL_DN
                                                            GSE14415_FOXP3_KO_NATURAL_TREG_VS_TCONV_UP, GSE14415_FOXP3_KO_NATURAL_TREG_VS_TCONV_UP
                                                            GSE15930_NAIVE_VS_48H_IN_VITRO_STIM_IL12_CD8_TCELL_UP, GSE15930_NAIVE_VS_48H_IN_VITRO_STIM_IL12_CD8_TCELL_UP
                                                            GSE15330_HSC_VS_MEGAKARYOCYTE_ERYTHROID_PROGENITOR_UP, GSE15330_HSC_VS_MEGAKARYOCYTE_ERYTHROID_PROGENITOR_UP
                                                            GSE19941_IL10_KO_VS_IL10_KO_AND_NFKBP50_KO_UNSTIM_MACROPHAGE_DN, GSE19941_IL10_KO_VS_IL10_KO_AND_NFKBP50_KO_UNSTIM_MACROPHAGE_DN
                                                            HALLMARK UV RESPONSE DN, HALLMARK UV RESPONSE DN
                                                            GSE7460_TREG_VS_TCONV_ACT_WITH_TGFB_UP, GSE7460_TREG_VS_TCONV_ACT_WITH_TGFB_UP
                                                             MIR193A_3P_MIR193B_3P, MIR193A_3P_MIR193B_3P
                                                            GSE2935_UV_INACTIVATED_VS_LIVE_SENDAI_VIRUS_INF_MACROPHAGE_UP, GSE2935_UV_INACTIVATED_VS_LIVE_SENDAI_VIRUS_INF_MACROPHAGE_UP
                                                            HP_AORTIC_ANEURYSM, HP_AORTIC_ANEURYSM
                                                            GSE15330_LYMPHOID_MULTIPOTENT_VS_MEGAKARYOCYTE_ERYTHROID_PROGENITOR_IKAROS_KO_UP, GSE15330_LYMPHOID_MULTIPOTENT_VS_MEGAKARYOCYTE_ERYTHROID_PROGENITOR_IKAROS_KO_UP
                                                            MIR202_5P, MIR202_5P
                                                            MIR4727_5P, MIR4727_5P
                                                            GSE1460_INTRATHYMIC_T_PROGENITOR_VS_DP_THYMOCYTE_DN, GSE1460_INTRATHYMIC_T_PROGENITOR_VS_DP_THYMOCYTE_DN
                                                            GSE15930_NAIVE_VS_24H_IN_VITRO_STIM_IL12_CD8_TCELL_UP, GSE15930_NAIVE_VS_24H_IN_VITRO_STIM_IL12_CD8_TCELL_UP
                                                            AGGAAGC_MIR5163P, AGGAAGC_MIR5163P
                                                            DIRMEIER LMP1 RESPONSE EARLY, DIRMEIER LMP1 RESPONSE EARLY
                                                            HP_ROUND_FACE, HP_ROUND_FACE
                                                            MIR1255B_2_3P, MIR1255B_2_3P
                                                            HP_THICKENED_NUCHAL_SKIN_FOLD, HP_THICKENED_NUCHAL_SKIN_FOLD
                                                            GSE40274_CTRL_VS_EOS_TRANSDUCED_ACTIVATED_CD4_TCELL_DN, GSE40274_CTRL_VS_EOS_TRANSDUCED_ACTIVATED_CD4_TCELL_DN
                                                            MIR6827_3P, MIR6827_3P
                                                            GSE30971_2H_VS_4H_LPS_STIM_MACROPHAGE_WBP7_KO_UP, GSE30971_2H_VS_4H_LPS_STIM_MACROPHAGE_WBP7_KO_UP
                                                            MIR1324, MIR1324
                                                            MIR3194_3P, MIR3194_3P
                                                            MIR2681 5P, MIR2681 5P
                                                            GSE15930 NAIVE VS 24H IN VITRO STIM INFAB CD8 TCELL UP, GSE15930 NAIVE VS 24H IN VITRO STIM INFAB CD8 TCELL UP
                                                            IRF2_01, IRF2_01
                                                            MIR1244, MIR1244
                                                            HP GENERALIZED HIRSUTISM, HP GENERALIZED HIRSUTISM
                                                            GOBP_DENDRITE_MORPHOGENESIS, GOBP_DENDRITE_MORPHOGENESIS
                                                            GSE14415_ACT_TCONV_VS_ACT_NATURAL_TREG_UP, GSE14415_ACT_TCONV_VS_ACT_NATURAL_TREG_UP
                                                            GSE14769_UNSTIM_VS_40MIN_LPS_BMDM_UP, GSE14769_UNSTIM_VS_40MIN_LPS_BMDM_UP
                                                            MIR1279, MIR1279
                                                            LAKE ADULT KIDNEY C21 COLLECTING DUCT INTERCALATED CELLS TYPE B, LAKE ADULT KIDNEY C21 COLLECTING DUCT INTERCALATED CELLS TYPE B
                                                            HP FOCAL IMPAIRED AWARENESS SEIZURE, HP FOCAL IMPAIRED AWARENESS SEIZURE
                                                            HP_ABNORMAL_CLAVICLE_MORPHOLOGY, HP_ABNORMAL_CLAVICLE_MORPHOLOGY
                                                            MIR145_3P, MIR145_3P
                                                            GSE15930_NAIVE_VS_72H_IN_VITRO_STIM_IFNAB_CD8_TCELL_UP, GSE15930_NAIVE_VS_72H_IN_VITRO_STIM_IFNAB_CD8_TCELL_UP
                                                            MIR4326, MIR4326
                                                            WP_MAPK_CASCADE, WP_MAPK_CASCADE
                                                            HP FOCAL MOTOR SEIZURE, HP FOCAL MOTOR SEIZURE
                                                            BROWNE_HCMV_INFECTION_10HR_UP, BROWNE_HCMV_INFECTION_10HR_UP
                                                             MIR12125, MIR12125
                                                            HP_GASTROINTESTINAL_HEMORRHAGE, HP_GASTROINTESTINAL_HEMORRHAGE
                                                             MIR5100, MIR5100
                                                             MIR6765 3P, MIR6765 3P
                                                             TCTATGA_MIR376A_MIR376B, TCTATGA_MIR376A_MIR376B
                                                            HP INAPPROPRIATE BEHAVIOR, HP INAPPROPRIATE BEHAVIOR
                                                             MIR548AT_3P, MIR548AT_3P
                                                             GSE13306_TREG_VS_TCONV_SPLEEN_UP, GSE13306_TREG_VS_TCONV_SPLEEN_UP
                                                             MIR4718, MIR4718
                                                            GSE1460_INTRATHYMIC_T_PROGENITOR_VS_NAIVE_CD4_TCELL_CORD_BLOOD_DN, GSE1460_INTRATHYMIC_T_PROGENITOR_VS_NAIVE_CD4_TCELL_CORD_BLOOD_DN
                                                             MIR6894_3P, MIR6894_3P
                                                             HP_ABNORMAL_LYMPHOCYTE_MORPHOLOGY, HP_ABNORMAL_LYMPHOCYTE_MORPHOLOGY
                                                            PID EPO PATHWAY, PID EPO PATHWAY
                                                            GOBP_NEURON_PROJECTION_ORGANIZATION, GOBP_NEURON_PROJECTION_ORGANIZATION
                                                            GSE21546_UNSTIM_VS_ANTI_CD3_STIM_ELK1_KO_DP_THYMOCYTES_UP, GSE21546_UNSTIM_VS_ANTI_CD3_STIM_ELK1_KO_DP_THYMOCYTES_UP
50 TREG VS TEFF UP, GSE14350 TREG VS TEFF UP
                                                            GOBP REGULATION OF CELLULAR RESPONSE TO TRANSFORMING GROWTH FACTOR BETA STIMULUS, GOBP REGULATION OF CELLULAR RESPONSE TO TRANSFORMING GROWTH FACTOR BETA STIMULUS
                                                            MIR10401_5P, MIR10401_5P
                                                             WP SIGNALING OF HEPATOCYTE GROWTH FACTOR RECEPTOR, WP SIGNALING OF HEPATOCYTE GROWTH FACTOR RECEPTOR
                                                             MIR548AY_3P, MIR548AY_3P
                                                             MIR3622A 3P MIR3622B 3P MIR3622A 3P MIR3622B 3P
                                                             MIR34C_3P, MIR34C_3P
                                                             MIR6866 3P, MIR6866 3P
                                                            HP_LYMPHEDEMA, HP_LYMPHEDEMA
                                                            WP_PHOSPHOINOSITIDES_METABOLISM, WP_PHOSPHOINOSITIDES_METABOLISM
                                                             HP_ABNORMAL_MORPHOLOGY_OF_THE_LIMBIC_SYSTEM, HP_ABNORMAL_MORPHOLOGY_OF_THE_LIMBIC_SYSTEM
                                                             REACTOME SIGNALING BY ERYTHROPOIETIN, REACTOME SIGNALING BY ERYTHROPOIETIN
                                                             REACTOME_FLT3_SIGNALING_IN_DISEASE, REACTOME_FLT3_SIGNALING_IN_DISEASE
                                                             GOBP_HISTONE_H3_K4_METHYLATION, GOBP_HISTONE_H3_K4_METHYLATION
                                                             MIR4519. MIR4519
                                                             MIR4726_5P, MIR4726_5P
                                                            HAY_BONE_MARROW_CD34_POS_PRE_B, HAY_BONE_MARROW_CD34_POS_PRE_B
                                                            MIR4691_3P, MIR4691_3P
                                                            MIR6513_5P, MIR6513_5P
                                                            HP_TISSUE_ISCHEMIA, HP_TISSUE_ISCHEMIA
                                                            MIR7975, MIR7975
                                                            GSE13485_CTRL_VS_DAY3_YF17D_VACCINE_PBMC_UP, GSE13485_CTRL_VS_DAY3_YF17D_VACCINE_PBMC_UP
                                                            GSE19941_LPS_VS_LPS_AND_IL10_STIM_IL10_KO_MACROPHAGE_DN, GSE19941_LPS_VS_LPS_AND_IL10_STIM_IL10_KO_MACROPHAGE_DN
                                                            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_AGE_18_64YO_HIGH_VS_LOW_RESPONDERS_MEDIUM_HIGH_ADVERSE_EVENTS_SCORE_1DY_CORRELATED_WITH_TRANSITIONAL_B_CELLS_UP, 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_AGE_18_64YO_HIGH_VS_LOW_RESPONDERS_MEDIUM_HIGH_ADVERSE_EVENTS_SCORE_1DY_CORRELATED_WITH_TRANSITIONAL_B_CELLS_UP, 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_AGE_18_64YO_HIGH_VS_LOW_RESPONDERS_MEDIUM_HIGH_ADVERSE_EVENTS_SCORE_1DY_CORRELATED_WITH_TRANSITIONAL_B_CELLS_UP, 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_AGE_18_64YO_HIGH_VS_LOW_RESPONDERS_MEDIUM_HIGH_ADVERSE_EVENTS_SCORE_1DY_CORRELATED_WITH_TRANSITIONAL_B_CELLS_UP, 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_AGE_18_64YO_HIGH_VS_UP, SOBOLEV_PBMC_PANDEMRIX_
                                                            MORI SMALL PRE BII LYMPHOCYTE UP, MORI SMALL PRE BII LYMPHOCYTE UP
                                                            MIR2909, MIR2909
                                                            MIR3976, MIR3976
                                                            REACTOME_SIGNALING_BY_FGFR1_IN_DISEASE, REACTOME_SIGNALING_BY_FGFR1_IN_DISEASE
                                                            MIR3187_3P, MIR3187_3P
                                                            HP SUDDEN DEATH, HP SUDDEN DEATH
                                                            GOMF_SMAD_BINDING, GOMF_SMAD_BINDING
                                                            GSE15930_NAIVE_VS_48H_IN_VITRO_STIM_CD8_TCELL_UP, GSE15930_NAIVE_VS_48H_IN_VITRO_STIM_CD8_TCELL_UP
                                                            GOBP_NEGATIVE_REGULATION_OF_TRANSFORMING_GROWTH_FACTOR_BETA_RECEPTOR_SIGNALING_PATHWAY, GOBP_NEGATIVE_REGULATION_OF_TRANSFORMING_GROWTH_FACTOR_BETA_RECEPTOR_SIGNALING_PATHWAY
                                                            BIOCARTA BIOPEPTIDES PATHWAY, BIOCARTA BIOPEPTIDES PATHWAY
                                                            GOBP_PALLIUM_DEVELOPMENT, GOBP_PALLIUM_DEVELOPMENT
                                                            GOBP_REGULATION_OF_CALCIUM_ION_TRANSMEMBRANE_TRANSPORT, GOBP_REGULATION_OF_CALCIUM_ION_TRANSMEMBRANE_TRANSPORT
                                                            HP_ABNORMALITY_OF_THE_UPPER_ARM, HP_ABNORMALITY_OF_THE_UPPER_ARM
                                                            FINETTI_BREAST_CANCERS_KINOME_GRAY, FINETTI_BREAST_CANCERS_KINOME_GRAY
                                                            REACTOME SIGNALING BY PDGF, REACTOME SIGNALING BY PDGF
                                                            MIR4323, MIR4323
                                                            HP_TYPICAL_ABSENCE_SEIZURE, HP_TYPICAL_ABSENCE_SEIZURE
                                                            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
                                                            WIERENGA STAT5A TARGETS GROUP2, WIERENGA STAT5A TARGETS GROUP2
                                                            WP_THE_HUMAN_IMMUNE_RESPONSE_TO_TUBERCULOSIS, WP_THE_HUMAN_IMMUNE_RESPONSE_TO_TUBERCULOSIS
                                                            GOMF_POTASSIUM_CHANNEL_REGULATOR_ACTIVITY, GOMF_POTASSIUM_CHANNEL_REGULATOR_ACTIVITY
                                                            TCTCTCC_MIR185, TCTCTCC_MIR185
                                                            REACTOME_CD209_DC_SIGN_SIGNALING, REACTOME_CD209_DC_SIGN_SIGNALING
                                                            HP_EYELID_MYOCLONUS, HP_EYELID_MYOCLONUS
                                                            REACTOME_SIGNALING_BY_SCF_KIT, REACTOME_SIGNALING_BY_SCF_KIT
                                                            XU_AKT1_TARGETS_6HR, XU_AKT1_TARGETS_6HR
                                                            GOBP_ENSHEATHMENT_OF_NEURONS, GOBP_ENSHEATHMENT_OF_NEURONS
                                                            REACTOME_REGULATION_OF_SIGNALING_BY_CBL, REACTOME_REGULATION_OF_SIGNALING_BY_CBL
                                                            MIR4639_3P, MIR4639_3P
                                                            REACTOME_DAP12_INTERACTIONS, REACTOME_DAP12_INTERACTIONS
                                                            WP_BDNFTRKB_SIGNALING, WP_BDNFTRKB_SIGNALING
                                                            REACTOME_DOWNSTREAM_SIGNAL_TRANSDUCTION, REACTOME_DOWNSTREAM_SIGNAL_TRANSDUCTION
                                                            REACTOME_SIGNALING_BY_KIT_IN_DISEASE, REACTOME_SIGNALING_BY_KIT_IN_DISEASE
                                                            HP_ABNORMAL_MORPHOLOGY_OF_THE_ABDOMINAL_MUSCULATURE, HP_ABNORMAL_MORPHOLOGY_OF_THE_ABDOMINAL_MUSCULATURE
                                                            MIR8060, MIR8060
                                                            GOMF CHANNEL REGULATOR ACTIVITY, GOMF CHANNEL REGULATOR ACTIVITY
                                                            MIR4659A 5P, MIR4659A 5P
                                                            GOBP_LYMPHOCYTE_APOPTOTIC_PROCESS, GOBP_LYMPHOCYTE_APOPTOTIC_PROCESS
                                                            GOBP_LEARNING, GOBP_LEARNING
                                                            CAAGGAT_MIR362, CAAGGAT_MIR362
                                                            GOBP_PHOSPHOLIPID_DEPHOSPHORYLATION, GOBP_PHOSPHOLIPID_DEPHOSPHORYLATION
                                                            GOBP_REGULATION_OF_POSTSYNAPSE_ORGANIZATION, GOBP_REGULATION_OF_POSTSYNAPSE_ORGANIZATION
                                                            TONKS_TARGETS_OF_RUNX1_RUNX1T1_FUSION_GRANULOCYTE_UP, TONKS_TARGETS_OF_RUNX1_RUNX1T1_FUSION_GRANULOCYTE_UP
                                                            HP_FOCAL_EMOTIONAL_SEIZURE, HP_FOCAL_EMOTIONAL_SEIZURE
                                                            PID_TRKR_PATHWAY, PID_TRKR_PATHWAY
                                                            MIR3164, MIR3164
                                                            HP_SHORT_PALM, HP_SHORT_PALM
                                                            REACTOME_ERYTHROPOIETIN_ACTIVATES_RAS, REACTOME_ERYTHROPOIETIN_ACTIVATES_RAS
                                                            PID_EPHA_FWDPATHWAY, PID_EPHA_FWDPATHWAY
                                                            REACTOME SIGNALING BY FLT3 FUSION PROTEINS, REACTOME SIGNALING BY FLT3 FUSION PROTEINS
                                                            REACTOME_SIGNALING_BY_FLT3_ITD_AND_TKD_MUTANTS, REACTOME_SIGNALING_BY_FLT3_ITD_AND_TKD_MUTANTS
                                                            HP_FOCAL_NON_MOTOR_SEIZURE, HP_FOCAL_NON_MOTOR_SEIZURE
                                                            MIR203A 5P, MIR203A 5P
                                                            REACTOME_NCAM_SIGNALING_FOR_NEURITE_OUT_GROWTH, REACTOME_NCAM_SIGNALING_FOR_NEURITE_OUT_GROWTH
                                                            GOBP_POSITIVE_REGULATION_OF_SMALL_GTPASE_MEDIATED_SIGNAL_TRANSDUCTION, GOBP_POSITIVE_REGULATION_OF_SMALL_GTPASE_MEDIATED_SIGNAL_TRANSDUCTION
                                                            HP_OCULOGYRIC_CRISIS, HP_OCULOGYRIC_CRISIS
                                                            HP_SOFT_SKIN, HP_SOFT_SKIN
                                                            REACTOME_SYNTHESIS_OF_PIPS_AT_THE_EARLY_ENDOSOME_MEMBRANE, REACTOME_SYNTHESIS_OF_PIPS_AT_THE_EARLY_ENDOSOME_MEMBRANE
                                                            TCCCCAC MIR491, TCCCCAC MIR491
                                                            HP_SHORT_CHIN, HP_SHORT_CHIN
                                                            GSE1925 CTRL VS IFNG PRIMED MACROPHAGE 3H IFNG STIM DN, GSE1925 CTRL VS IFNG PRIMED MACROPHAGE 3H IFNG STIM DN
                                                            HP ESOPHAGITIS, HP ESOPHAGITIS
                                                            MIR6820 3P, MIR6820 3P
                                                            WP_SYNAPTIC_SIGNALING_PATHWAYS_ASSOCIATED_WITH_AUTISM_SPECTRUM_DISORDER, WP_SYNAPTIC_SIGNALING_PATHWAYS_ASSOCIATED_WITH_AUTISM_SPECTRUM_DISORDER
                                                            GOMF_SUMO_TRANSFERASE_ACTIVITY, GOMF_SUMO_TRANSFERASE_ACTIVITY
                                                            MIR10393_3P, MIR10393_3P
                                                            GOMF_PHOSPHATIDYLINOSITOL_PHOSPHATE_PHOSPHATASE_ACTIVITY, GOMF_PHOSPHATIDYLINOSITOL_PHOSPHATE_PHOSPHATASE_ACTIVITY
                                                            GOBP_POSITIVE_REGULATION_OF_CELL_SUBSTRATE_JUNCTION_ORGANIZATION, GOBP_POSITIVE_REGULATION_OF_CELL_SUBSTRATE_JUNCTION_ORGANIZATION
                                                            PID_ANTHRAX_PATHWAY, PID_ANTHRAX_PATHWAY
                                                            GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_CYAN_UP, GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_CYAN_UP
                                                            GOBP_PHOSPHATIDYLINOSITOL_DEPHOSPHORYLATION, GOBP_PHOSPHATIDYLINOSITOL_DEPHOSPHORYLATION
                                                            GSE13522_WT_VS_IFNG_KO_SKING_T_CRUZI_Y_STRAIN_INF_DN, GSE13522_WT_VS_IFNG_KO_SKING_T_CRUZI_Y_STRAIN_INF_DN
                                                            MIR378G, MIR378G
                                                            HP_ABNORMAL_IRIS_PIGMENTATION, HP_ABNORMAL_IRIS_PIGMENTATION
                                                            GOBP_LYMPHOCYTE_MIGRATION, GOBP_LYMPHOCYTE_MIGRATION
                                                            GOBP_NEGATIVE_REGULATION_OF_TRANSMEMBRANE_RECEPTOR_PROTEIN_SERINE_THREONINE_KINASE_SIGNALING_PATHWAY, GOBP_NEGATIVE_REGULATION_OF_TRANSMEMBRANE_RECEPTOR_PROTEIN_SERINE_THREONINE_KINASE_SIGNALING_PATHWAY
                                                            REACTOME_SIGNALING_BY_NTRK2_TRKB, REACTOME_SIGNALING_BY_NTRK2_TRKB
                                                            HP_CURLY_HAIR, HP_CURLY_HAIR
                                                            MIR1296_3P, MIR1296_3P
                                                            GOBP_RESPONSE_TO_INTERLEUKIN_7, GOBP_RESPONSE_TO_INTERLEUKIN_7
                                                            GOMF_GLUTAMATE_RECEPTOR_BINDING, GOMF_GLUTAMATE_RECEPTOR_BINDING
                                                            HP_GASTROINTESTINAL_INFLAMMATION, HP_GASTROINTESTINAL_INFLAMMATION
                                                            PID_PDGFRA_PATHWAY, PID_PDGFRA_PATHWAY
                                                            REACTOME_TIE2_SIGNALING, REACTOME_TIE2_SIGNALING
                                                            GOMF_ATPASE_COUPLED_INTRAMEMBRANE_LIPID_TRANSPORTER_ACTIVITY, GOMF_ATPASE_COUPLED_INTRAMEMBRANE_LIPID_TRANSPORTER_ACTIVITY
                                                            KIM_LIVER_CANCER_POOR_SURVIVAL_DN, KIM_LIVER_CANCER_POOR_SURVIVAL_DN
                                                            WP_15Q133_COPY_NUMBER_VARIATION_SYNDROME, WP_15Q133_COPY_NUMBER_VARIATION_SYNDROME
                                                            GOBP_PERICARDIUM_DEVELOPMENT, GOBP_PERICARDIUM_DEVELOPMENT
                                                            MIR486_5P, MIR486_5P
                                                            MIR4780, MIR4780
                                                            GCM CASP2, GCM CASP2
                                                            WP_NANOPARTICLE_TRIGGERED_AUTOPHAGIC_CELL_DEATH, WP_NANOPARTICLE_TRIGGERED_AUTOPHAGIC_CELL_DEATH
                                                            GOBP_HIPPOCAMPUS_DEVELOPMENT, GOBP_HIPPOCAMPUS_DEVELOPMENT
                                                            KEGG_NOD_LIKE_RECEPTOR_SIGNALING_PATHWAY, KEGG_NOD_LIKE_RECEPTOR_SIGNALING_PATHWAY
                                                            NIKOLSKY_BREAST_CANCER_22Q13_AMPLICON, NIKOLSKY_BREAST_CANCER_22Q13_AMPLICON
                                                            GOBP_LIMBIC_SYSTEM_DEVELOPMENT, GOBP_LIMBIC_SYSTEM_DEVELOPMENT
                                                            GOMF_ION_CHANNEL_REGULATOR_ACTIVITY, GOMF_ION_CHANNEL_REGULATOR_ACTIVITY
                                                            MIR3137, MIR3137
                                                            KEGG_DORSO_VENTRAL_AXIS_FORMATION, KEGG_DORSO_VENTRAL_AXIS_FORMATION
                                                            GOBP_ESTABLISHMENT_OF_LYMPHOCYTE_POLARITY, GOBP_ESTABLISHMENT_OF_LYMPHOCYTE_POLARITY
                                                            KRAS.AMP.LUNG UP.V1 UP, KRAS.AMP.LUNG UP.V1 UP
                                                            WP_ECTODERM_DIFFERENTIATION, WP_ECTODERM_DIFFERENTIATION
                                                            HP_DIASTEMA, HP_DIASTEMA
                                                            GOBP_ANTIGEN_PROCESSING_AND_PRESENTATION_OF_ENDOGENOUS_ANTIGEN, GOBP_ANTIGEN_PROCESSING_AND_PRESENTATION_OF_ENDOGENOUS_ANTIGEN
                                                           HP_ABNORMALITY_OF_BLADDER_MORPHOLOGY, HP_ABNORMALITY_OF_BLADDER_MORPHOLOGY
                                                            GOBP_POSITIVE_REGULATION_OF_FOCAL_ADHESION_ASSEMBLY, GOBP_POSITIVE_REGULATION_OF_FOCAL_ADHESION_ASSEMBLY
                                                           REACTOME SIGNALING BY PDGFR IN DISEASE, REACTOME SIGNALING BY PDGFR IN DISEASE
                                                            GTCAGGA_MIR378, GTCAGGA_MIR378
                                                            GOMF_PHOSPHATIDYLINOSITOL_MONOPHOSPHATE_PHOSPHATASE_ACTIVITY, GOMF_PHOSPHATIDYLINOSITOL_MONOPHOSPHATE_PHOSPHATASE_ACTIVITY
                                                           REACTOME_SIGNALING_BY_PDGFRA_TRANSMEMBRANE_JUXTAMEMBRANE_AND_KINASE_DOMAIN_MUTANTS, REACTOME_SIGNALING_BY_PDGFRA_TRANSMEMBRANE_JUXTAMEMBRANE_AND_KINASE_DOMAIN_MUTANTS
                                                           GOBP_REGULATION_OF_RAC_PROTEIN_SIGNAL_TRANSDUCTION, GOBP_REGULATION_OF_RAC_PROTEIN_SIGNAL_TRANSDUCTION
                                                           HP_RIB_FUSION, HP_RIB_FUSION
                                                           REACTOME FRS MEDIATED FGFR1 SIGNALING, REACTOME FRS MEDIATED FGFR1 SIGNALING
                                                            GOBP EXCRETION, GOBP EXCRETION
                                                            GOBP_GOLGI_TO_ENDOSOME_TRANSPORT, GOBP_GOLGI_TO_ENDOSOME_TRANSPORT
                                                            GOBP_BODY_MORPHOGENESIS, GOBP_BODY_MORPHOGENESIS
                                                            REACTOME_SIGNALING_BY_ERBB4, REACTOME_SIGNALING_BY_ERBB4
                                                            REACTOME_SIGNALING_BY_FGFR4_IN_DISEASE, REACTOME_SIGNALING_BY_FGFR4_IN_DISEASE
                                                            CHANGOLKAR_H2AFY_TARGETS_UP, CHANGOLKAR_H2AFY_TARGETS_UP
                                                            SCHAEFFER_PROSTATE_DEVELOPMENT_AND_CANCER_BOX1_UP, SCHAEFFER_PROSTATE_DEVELOPMENT_AND_CANCER_BOX1_UP
                                                            GOBP_REGULATION_OF_BMP_SIGNALING_PATHWAY, GOBP_REGULATION_OF_BMP_SIGNALING_PATHWAY
                                                            GOMF PRIMARY ACTIVE TRANSMEMBRANE TRANSPORTER ACTIVITY, GOMF PRIMARY ACTIVE TRANSMEMBRANE TRANSPORTER ACTIVITY
                                                            HP SHORT CLAVICLES, HP SHORT CLAVICLES
                                                            REACTOME_DOWNSTREAM_SIGNALING_OF_ACTIVATED_FGFR1, REACTOME_DOWNSTREAM_SIGNALING_OF_ACTIVATED_FGFR1
                                                            GOBP_SYNAPTIC_VESICLE_ENDOSOMAL_PROCESSING, GOBP_SYNAPTIC_VESICLE_ENDOSOMAL_PROCESSING
                                                            FERRARI_RESPONSE_TO_FENRETINIDE_UP, FERRARI_RESPONSE_TO_FENRETINIDE_UP
                                                            IVANOVA_HEMATOPOIESIS_STEM_CELL_SHORT_TERM, IVANOVA_HEMATOPOIESIS_STEM_CELL_SHORT_TERM
                                                            GOBP_RESPONSE_TO_ELECTRICAL_STIMULUS, GOBP_RESPONSE_TO_ELECTRICAL_STIMULUS
                                                            chr6q25, chr6q25
                                                            HP_LOWER_LIMB_ASYMMETRY, HP_LOWER_LIMB_ASYMMETRY
                                                            HP_INAPPROPRIATE_LAUGHTER, HP_INAPPROPRIATE_LAUGHTER
                                                            GOMF_ABC_TYPE_TRANSPORTER_ACTIVITY, GOMF_ABC_TYPE_TRANSPORTER_ACTIVITY
                                                            GOBP_T_HELPER_17_TYPE_IMMUNE_RESPONSE, GOBP_T_HELPER_17_TYPE_IMMUNE_RESPONSE
                                                            GOMF_LYSOPHOSPHATIDIC_ACID_ACYLTRANSFERASE_ACTIVITY, GOMF_LYSOPHOSPHATIDIC_ACID_ACYLTRANSFERASE_ACTIVITY
                                                            chr12q23, chr12q23
                                                            GOBP_REGULATION_OF_LYMPHOCYTE_MIGRATION, GOBP_REGULATION_OF_LYMPHOCYTE_MIGRATION
                                                            GOBP_OSTEOBLAST_PROLIFERATION, GOBP_OSTEOBLAST_PROLIFERATION
                                                            HP_ANGIOID_STREAKS_OF_THE_FUNDUS, HP_ANGIOID_STREAKS_OF_THE_FUNDUS
                                                            GOMF_SUMO_LIGASE_ACTIVITY, GOMF_SUMO_LIGASE_ACTIVITY
                                                            GOBP NEGATIVE REGULATION OF CELLULAR RESPONSE TO GROWTH FACTOR STIMULUS, GOBP NEGATIVE REGULATION OF CELLULAR RESPONSE TO GROWTH FACTOR STIMULUS
                                                            GOBP_REGULATION_OF_RIG_I_SIGNALING_PATHWAY, GOBP_REGULATION_OF_RIG_I_SIGNALING_PATHWAY
                                                            HP_JUVENILE_ASEPTIC_NECROSIS, HP_JUVENILE_ASEPTIC_NECROSIS
                                                           REACTOME SHC1 EVENTS IN ERBB2 SIGNALING, REACTOME SHC1 EVENTS IN ERBB2 SIGNALING
                                                            HP_THICK_NASAL_ALAE, HP_THICK_NASAL_ALAE
                                                            HP_APLASIA_OF_THE_SEMICIRCULAR_CANAL, HP_APLASIA_OF_THE_SEMICIRCULAR_CANAL
                                                            REACTOME SHC MEDIATED CASCADE FGFR1, REACTOME SHC MEDIATED CASCADE FGFR1
                                                            REACTOME_INTERLEUKIN_15_SIGNALING, REACTOME_INTERLEUKIN_15_SIGNALING
                                                            HAY_BONE_MARROW_CD34_POS_ERP, HAY_BONE_MARROW_CD34_POS_ERP
                                                            WP PHOTODYNAMIC THERAPYINDUCED NFE2L2 NRF2 SURVIVAL SIGNALING, WP PHOTODYNAMIC THERAPYINDUCED NFE2L2 NRF2 SURVIVAL SIGNALING
                                                            HP_CHRONIC_FATIGUE, HP_CHRONIC_FATIGUE
                                                            GRANDVAUX_IRF3_TARGETS_UP, GRANDVAUX_IRF3_TARGETS_UP
                                                            HP_MORPHOLOGICAL_ABNORMALITY_OF_THE_INNER_EAR, HP_MORPHOLOGICAL_ABNORMALITY_OF_THE_INNER_EAR
                                                            GOMF ORGANIC CATION TRANSMEMBRANE TRANSPORTER ACTIVITY, GOMF ORGANIC CATION TRANSMEMBRANE TRANSPORTER ACTIVITY
                                                            GOMF_ACYLGLYCEROL_O_ACYLTRANSFERASE_ACTIVITY, GOMF_ACYLGLYCEROL_O_ACYLTRANSFERASE_ACTIVITY
                                                            REACTOME_PECAM1_INTERACTIONS, REACTOME_PECAM1_INTERACTIONS
                                                            GOBP_NEGATIVE_REGULATION_OF_T_HELPER_17_TYPE_IMMUNE_RESPONSE, GOBP_NEGATIVE_REGULATION_OF_T_HELPER_17_TYPE_IMMUNE_RESPONSE
                                                            HP_PREGNANCY_EXPOSURE, HP_PREGNANCY_EXPOSURE
                                                            HP PORTAL VEIN THROMBOSIS, HP PORTAL VEIN THROMBOSIS
                                                            GOBP_SMAD_PROTEIN_SIGNAL_TRANSDUCTION, GOBP_SMAD_PROTEIN_SIGNAL_TRANSDUCTION
                                                            GOBP_REGULATION_OF_POTASSIUM_ION_TRANSPORT, GOBP_REGULATION_OF_POTASSIUM_ION_TRANSPORT
                                                            REACTOME SHC1_EVENTS_IN_EGFR_SIGNALING, REACTOME_SHC1_EVENTS_IN_EGFR_SIGNALING
                                                            HP_OSTEOMALACIA, HP_OSTEOMALACIA
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GSE7348_LPS_VS_TOLERIZED_AND_LPS_STIM_MACROPHAGE_UP, GSE7348_LPS_VS_TOLERIZED_AND_LPS_STIM_MACROPHAGE_UP

GSE37533_PPARG1_FOXP3_VS_PPARG2_FOXP3_TRANSDUCED_CD4_TCELL_DN, GSE37533_PPARG1_FOXP3_VS_PPARG2_FOXP3_TRANSDUCED_CD4_TCELL_DN