```
GSE19772_HCMV_INFL_VS_HCMV_INF_MONOCYTES_AND_PI3K_INHIBITION_DN, GSE19772_HCMV_INFL_VS_HCMV_INF_MONOCYTES_AND_PI3K_INHIBITION_DN
                                                                                    GSE12001_MIR223_KO_VS_WT_NEUTROPHIL_DN, GSE12001_MIR223_KO_VS_WT_NEUTROPHIL_DN
                                                                                   GSE11057_NAIVE_VS_MEMORY_CD4_TCELL_DN, GSE11057_NAIVE_VS_MEMORY_CD4_TCELL_DN
                                                                                   GSE3982_NEUTROPHIL_VS_NKCELL_UP, GSE3982_NEUTROPHIL_VS_NKCELL_UP
                                                                                   GSE17721_POLYIC_VS_PAM3CSK4_1H_BMDC_UP, GSE17721_POLYIC_VS_PAM3CSK4_1H_BMDC_UP
                                                                                   GSE17186_MEMORY_VS_CD21HIGH_TRANSITIONAL_BCELL_DN, GSE17186_MEMORY_VS_CD21HIGH_TRANSITIONAL_BCELL_DN
                                                                                   GSE32164_RESTING_DIFFERENTIATED_VS_CMYC_INHIBITED_MACROPHAGE_DN, GSE32164_RESTING_DIFFERENTIATED_VS_CMYC_INHIBITED_MACROPHAGE_DN
                                                                                   GSE22601_DOUBLE_NEGATIVE_VS_CD4_SINGLE_POSITIVE_THYMOCYTE_UP, GSE22601_DOUBLE_NEGATIVE_VS_CD4_SINGLE_POSITIVE_THYMOCYTE_UP
                                                                                   GSE33425_CD161_HIGH_VS_INT_CD8_TCELL_UP, GSE33425_CD161_HIGH_VS_INT_CD8_TCELL_UP
                                                                                   GSE43956_WT_VS_SGK1_KO_TH17_DIFFERENTIATED_CD4_TCELL_DN, GSE43956_WT_VS_SGK1_KO_TH17_DIFFERENTIATED_CD4_TCELL_DN
                                                                                   GSE43863_TH1_VS_LY6C_LOW_CXCR5NEG_EFFECTOR_CD4_TCELL_DN, GSE43863_TH1_VS_LY6C_LOW_CXCR5NEG_EFFECTOR_CD4_TCELL_DN
                                                                                   GSE5542_UNTREATED_VS_IFNG_TREATED_EPITHELIAL_CELLS_6H_DN, GSE5542_UNTREATED_VS_IFNG_TREATED_EPITHELIAL_CELLS_6H_DN
                                                                                   GSE24634_TREG_VS_TCONV_POST_DAY3_IL4_CONVERSION_DN, GSE24634_TREG_VS_TCONV_POST_DAY3_IL4_CONVERSION_DN
                                                                                   GSE42021_TREG_PLN_VS_CD24INT_TREG_THYMUS_UP, GSE42021_TREG_PLN_VS_CD24INT_TREG_THYMUS_UP
                                                                                   GSE39152_BRAIN_VS_SPLEEN_CD103_NEG_MEMORY_CD8_TCELL_UP, GSE39152_BRAIN_VS_SPLEEN_CD103_NEG_MEMORY_CD8_TCELL_UP
                                                                                   SCHERER_PBMC_APSV_WETVAX_AGE_18_32YO_50_TO_60DY_UP, SCHERER_PBMC_APSV_WETVAX_AGE_18_32YO_50_TO_60DY_UP
                                                                                   GSE16450_IMMATURE_VS_MATURE_NEURON_CELL_LINE_12H_IFNA_STIM_DN, GSE16450_IMMATURE_VS_MATURE_NEURON_CELL_LINE_12H_IFNA_STIM_DN
                                                                                   GSE39820_CTRL_VS_TGFBETA1_IL6_CD4_TCELL_DN, GSE39820_CTRL_VS_TGFBETA1_IL6_CD4_TCELL_DN
                                                                                   GSE7852_TREG_VS_TCONV_LN_UP, GSE7852_TREG_VS_TCONV_LN_UP
                                                                                   GSE16451_CTRL_VS_WEST_EQUINE_ENC_VIRUS_MATURE_NEURON_CELL_LINE_DN, GSE16451_CTRL_VS_WEST_EQUINE_ENC_VIRUS_MATURE_NEURON_CELL_LINE_DN
                                                                                   GSE40274_HELIOS_VS_FOXP3_AND_HELIOS_TRANSDUCED_ACTIVATED_CD4_TCELL_UP, GSE40274_HELIOS_VS_FOXP3_AND_HELIOS_TRANSDUCED_ACTIVATED_CD4_TCELL_UP
                                                                                   GSE411 UNSTIM VS 100MIN IL6 STIM SOCS3 KO MACROPHAGE DN, GSE411 UNSTIM VS 100MIN IL6 STIM SOCS3 KO MACROPHAGE DN
                                                                                   GSE11057_NAIVE_VS_EFF_MEMORY_CD4_TCELL_DN, GSE11057_NAIVE_VS_EFF_MEMORY_CD4_TCELL_DN
                                                                                   GSE19772_CTRL_VS_HCMV_INF_MONOCYTES_UP, GSE19772_CTRL_VS_HCMV_INF_MONOCYTES_UP
                                                                                   GSE1448_CTRL_VS_ANTI_VBETA5_DP_THYMOCYTE_UP, GSE1448_CTRL_VS_ANTI_VBETA5_DP_THYMOCYTE_UP
                                                                                   GSE33374_CD8_ALPHAALPHA_VS_ALPHABETA_CD161_HIGH_TCELL_DN, GSE33374_CD8_ALPHAALPHA_VS_ALPHABETA_CD161_HIGH_TCELL_DN
                                                                                   GSE24142_EARLY_THYMIC_PROGENITOR_VS_DN3_THYMOCYTE_UP, GSE24142_EARLY_THYMIC_PROGENITOR_VS_DN3_THYMOCYTE_UP
                                                                                   GSE24142_EARLY_THYMIC_PROGENITOR_VS_DN3_THYMOCYTE_FETAL_UP, GSE24142_EARLY_THYMIC_PROGENITOR_VS_DN3_THYMOCYTE_FETAL_UP
                                                                                   GSE17721_PAM3CSK4_VS_GADIQUIMOD_6H_BMDC_DN, GSE17721_PAM3CSK4_VS_GADIQUIMOD_6H_BMDC_DN
                                                                                   GSE23568_ID3_TRANSDUCED_VS_ID3_KO_CD8_TCELL_DN, GSE23568_ID3_TRANSDUCED_VS_ID3_KO_CD8_TCELL_DN
                                                                                   GSE13306_RA_VS_UNTREATED_MEM_CD4_TCELL_UP, GSE13306_RA_VS_UNTREATED_MEM_CD4_TCELL_UP
                                                                                   GSE24142_EARLY_THYMIC_PROGENITOR_VS_DN2_THYMOCYTE_FETAL_UP, GSE24142_EARLY_THYMIC_PROGENITOR_VS_DN2_THYMOCYTE_FETAL_UP
                                                                                   GSE15330_LYMPHOID_MULTIPOTENT_VS_GRANULOCYTE_MONOCYTE_PROGENITOR_IKAROS_KO_UP, GSE15330_LYMPHOID_MULTIPOTENT_VS_GRANULOCYTE_MONOCYTE_PROGENITOR_IKAROS_KO_UP
                                                                                   GSE29164_UNTREATED_VS_CD8_TCELL_TREATED_MELANOMA_DAY7_UP, GSE29164_UNTREATED_VS_CD8_TCELL_TREATED_MELANOMA_DAY7_UP
                                                                                   MODULE 239, MODULE 239
                                                                                    GSE24142_DN2_VS_DN3_THYMOCYTE_UP, GSE24142_DN2_VS_DN3_THYMOCYTE_UP
                                                                                   TRAVAGLINI_LUNG_MACROPHAGE_CELL, TRAVAGLINI_LUNG_MACROPHAGE_CELL
                                                                                    GSE33425_CD8_ALPHAALPHA_VS_ALPHABETA_CD161_HIGH_TCELL_UP, GSE33425_CD8_ALPHAALPHA_VS_ALPHABETA_CD161_HIGH_TCELL_UP
                                                                                   GSE30083_SP3_VS_SP4_THYMOCYTE_DN, GSE30083_SP3_VS_SP4_THYMOCYTE_DN
                                                                                   GSE13946_CTRL_VS_DSS_COLITIS_GD_TCELL_FROM_COLON_UP, GSE13946_CTRL_VS_DSS_COLITIS_GD_TCELL_FROM_COLON_UP
                                                                                   GSE14415_INDUCED_TREG_VS_FOXP3_KO_INDUCED_TREG_DN, GSE14415_INDUCED_TREG_VS_FOXP3_KO_INDUCED_TREG_DN
                                                                                   GSE14699_DELETIONAL_TOLERANCE_VS_ACTIVATED_CD8_TCELL_UP, GSE14699_DELETIONAL_TOLERANCE_VS_ACTIVATED_CD8_TCELL_UP
                                                                                    KAECH NAIVE VS DAY15 EFF CD8 TCELL DN, KAECH NAIVE VS DAY15 EFF CD8 TCELL DN
                                                                                    GSE5960_TH1_VS_ANERGIC_TH1_DN, GSE5960_TH1_VS_ANERGIC_TH1_DN
                                                                                   GSE1448_CTRL_VS_ANTI_VBETA5_DP_THYMOCYTE_DN, GSE1448_CTRL_VS_ANTI_VBETA5_DP_THYMOCYTE_DN
                                                                                   GSE3982 MAST_CELL_VS_TH2_UP, GSE3982 MAST_CELL_VS_TH2_UP
                                                                                    GSE39820 CTRL VS IL1B IL6 IL23A CD4 TCELL DN, GSE39820 CTRL VS IL1B IL6 IL23A CD4 TCELL DN
                                                                                   KAECH_NAIVE_VS_MEMORY_CD8_TCELL_DN, KAECH_NAIVE_VS_MEMORY_CD8_TCELL_DN
                                                                                    GSE15330_LYMPHOID_MULTIPOTENT_VS_MEGAKARYOCYTE_ERYTHROID_PROGENITOR_IKAROS_KO_DN, GSE15330_LYMPHOID_MULTIPOTENT_VS_MEGAKARYOCYTE_ERYTHROID_PROGENITOR_IKAROS_KO_DN
                                                                                    GSE24142 EARLY THYMIC PROGENITOR VS DN2 THYMOCYTE UP, GSE24142 EARLY THYMIC PROGENITOR VS DN2 THYMOCYTE UP
                                                                                   GSE13522 WT_VS_IFNAR_KO_SKING_T_CRUZI_Y_STRAIN_INF_UP, GSE13522 WT_VS_IFNAR_KO_SKING_T_CRUZI_Y_STRAIN_INF_UP
                                                                                   GSE14415_INDUCED_TREG_VS_FOXP3_KO_INDUCED_TREG_IL2_CULTURE_UP, GSE14415_INDUCED_TREG_VS_FOXP3_KO_INDUCED_TREG_IL2_CULTURE_UP
                                                                                   GSE339_CD4POS_VS_CD4CD8DN_DC_DN, GSE339_CD4POS_VS_CD4CD8DN_DC_DN
                                                                                   GSE43955_TH0_VS_TGFB_IL6_TH17_ACT_CD4_TCELL_42H_UP, GSE43955_TH0_VS_TGFB_IL6_TH17_ACT_CD4_TCELL_42H_UP
                                                                                    MIR548M, MIR548M
                                                                                   GSE20366_TREG_VS_NAIVE_CD4_TCELL_HOMEOSTATIC_CONVERSION_DN, GSE20366_TREG_VS_NAIVE_CD4_TCELL_HOMEOSTATIC_CONVERSION_DN
                                                                                   GSE20366_CD103_KLRG1_DP_VS_DN_TREG_DN, GSE20366_CD103_KLRG1_DP_VS_DN_TREG_DN
                                                                                   GSE19923_WT_VS_HEB_AND_E2A_KO_DP_THYMOCYTE_DN, GSE19923_WT_VS_HEB_AND_E2A_KO_DP_THYMOCYTE_DN
                                                                                   GSE7852_TREG_VS_TCONV_UP, GSE7852_TREG_VS_TCONV_UP
                                                                                   GSE13522_WT_VS_IFNAR_KO_SKIN_UP, GSE13522_WT_VS_IFNAR_KO_SKIN_UP
                                                                                   GSE14386_UNTREATED_VS_IFNA_TREATED_ACT_PBMC_MS_PATIENT_DN, GSE14386_UNTREATED_VS_IFNA_TREATED_ACT_PBMC_MS_PATIENT_DN
                                                                                   GSE7219_UNSTIM_VS_LPS_AND_ANTI_CD40_STIM_DC_DN, GSE7219_UNSTIM_VS_LPS_AND_ANTI_CD40_STIM_DC_DN
                                                                                   GSE7852_LN_VS_THYMUS_TCONV_UP, GSE7852_LN_VS_THYMUS_TCONV_UP
                                                                                   GSE40666_NAIVE_VS_EFFECTOR_CD8_TCELL_DN, GSE40666_NAIVE_VS_EFFECTOR_CD8_TCELL_DN
                                                                                   GSE11961_PLASMA_CELL_DAY7_VS_MEMORY_BCELL_DAY40_UP, GSE11961_PLASMA_CELL_DAY7_VS_MEMORY_BCELL_DAY40_UP
                                                                                   GSE8621_LPS_STIM_VS_LPS_PRIMED_AND_LPS_STIM_MACROPHAGE_DN, GSE8621_LPS_STIM_VS_LPS_PRIMED_AND_LPS_STIM_MACROPHAGE_DN
                                                                                   GSE37301_MULTIPOTENT_PROGENITOR_VS_LYMPHOID_PRIMED_MPP_DN, GSE37301_MULTIPOTENT_PROGENITOR_VS_LYMPHOID_PRIMED_MPP_DN
                                                                                   GSE25123_WT_VS_PPARG_KO_MACROPHAGE_IL4_STIM_DN, GSE25123_WT_VS_PPARG_KO_MACROPHAGE_IL4_STIM_DN
                                                                                   GSE17721_PAM3CSK4_VS_GADIQUIMOD_12H_BMDC_DN, GSE17721_PAM3CSK4_VS_GADIQUIMOD_12H_BMDC_DN
                                                                                   RUBENSTEIN_SKELETAL_MUSCLE_FAP_CELLS, RUBENSTEIN_SKELETAL_MUSCLE_FAP_CELLS
                                                                                   GSE7460_TCONV_VS_TREG_THYMUS_DN, GSE7460_TCONV_VS_TREG_THYMUS_DN
                                                                                   GSE7852_LN_VS_FAT_TCONV_DN, GSE7852_LN_VS_FAT_TCONV_DN
                                                                                   GAVIN_FOXP3_TARGETS_CLUSTER_P3, GAVIN_FOXP3_TARGETS_CLUSTER_P3
                                                                                   GSE37301_LYMPHOID_PRIMED_MPP_VS_COMMON_LYMPHOID_PROGENITOR_DN, GSE37301_LYMPHOID_PRIMED_MPP_VS_COMMON_LYMPHOID_PROGENITOR_DN
                                                                                   CHIARADONNA_NEOPLASTIC_TRANSFORMATION_KRAS_DN, CHIARADONNA_NEOPLASTIC_TRANSFORMATION_KRAS_DN
                                                                                   GAVIN_FOXP3_TARGETS_CLUSTER_T7, GAVIN_FOXP3_TARGETS_CLUSTER_T7
                                                                                   GSE13522_CTRL_VS_T_CRUZI_G_STRAIN_INF_SKIN_UP, GSE13522_CTRL_VS_T_CRUZI_G_STRAIN_INF_SKIN_UP
                                                                                   CHIARADONNA_NEOPLASTIC_TRANSFORMATION_CDC25_DN, CHIARADONNA_NEOPLASTIC_TRANSFORMATION_CDC25_DN
                                                                                   GSE32255_WT_UNSTIM_VS_JMJD2D_KNOCKDOWN_4H_LPS_STIM_DC_DN, GSE32255_WT_UNSTIM_VS_JMJD2D_KNOCKDOWN_4H_LPS_STIM_DC_DN
                                                                                   GSE1925_CTRL_VS_IFNG_PRIMED_MACROPHAGE_24H_IFNG_STIM_UP, GSE1925_CTRL_VS_IFNG_PRIMED_MACROPHAGE_24H_IFNG_STIM_UP
                                                                                   GSE339_EX_VIVO_VS_IN_CULTURE_CD4CD8DN_DC_DN, GSE339_EX_VIVO_VS_IN_CULTURE_CD4CD8DN_DC_DN
                                                                                   GSE17721_CPG_VS_GARDIQUIMOD_24H_BMDC_DN, GSE17721_CPG_VS_GARDIQUIMOD_24H_BMDC_DN
                                                                                   GSE39916 B CELL SPLEEN_VS_PLASMA_CELL_BONE_MARROW_DN, GSE39916 B CELL_SPLEEN_VS_PLASMA_CELL_BONE_MARROW_DN
                                                                                   GSE3565 CTRL VS LPS INJECTED SPLENOCYTES UP, GSE3565 CTRL VS LPS INJECTED SPLENOCYTES UP
                                                                                   GSE7460_WT_VS_FOXP3_HET_ACT_WITH_TGFB_TCONV_DN, GSE7460_WT_VS_FOXP3_HET_ACT_WITH_TGFB_TCONV_DN
                                                                                   GSE17721_0.5H_VS_24H_LPS_BMDC_DN, GSE17721_0.5H_VS_24H_LPS_BMDC_DN
                                                                                   GSE2405_HEAT_KILLED_LYSATE_VS_LIVE_A_PHAGOCYTOPHILUM_STIM_NEUTROPHIL_24H_UP, GSE2405_HEAT_KILLED_LYSATE_VS_LIVE_A_PHAGOCYTOPHILUM_STIM_NEUTROPHIL_24H_UP
                                                                                   GSE7852_TREG_VS_TCONV_THYMUS_UP, GSE7852_TREG_VS_TCONV_THYMUS_UP
                                                                                   GSE2935_UV_INACTIVATED_VS_LIVE_SENDAI_VIRUS_INF_MACROPHAGE_DN, GSE2935_UV_INACTIVATED_VS_LIVE_SENDAI_VIRUS_INF_MACROPHAGE_DN
                                                                                   KAECH DAY15 EFF VS MEMORY CD8 TCELL UP, KAECH DAY15 EFF VS MEMORY CD8 TCELL UP
                                                                                    GSE3565 DUSP1 VS WT SPLENOCYTES UP, GSE3565 DUSP1 VS WT SPLENOCYTES UP
                                                                                   GSE43955_TH0_VS_TGFB_IL6_TH17_ACT_CD4_TCELL_4H_DN, GSE43955_TH0_VS_TGFB_IL6_TH17_ACT_CD4_TCELL_4H_DN
                                                                                   HP_HEPATOSPLENOMEGALY, HP_HEPATOSPLENOMEGALY
                                                                                   GSE3982_EOSINOPHIL_VS_TH1_UP, GSE3982_EOSINOPHIL_VS_TH1_UP
                                                                                    MIR6071, MIR6071
                                                                                    GSE17721 CTRL VS LPS 12H BMDC DN, GSE17721 CTRL VS LPS 12H BMDC DN
                                                                                    GSE5589_LPS_AND_IL10_VS_LPS_AND_IL6_STIM_IL10_KO_MACROPHAGE_45MIN_UP, GSE5589_LPS_AND_IL10_VS_LPS_AND_IL6_STIM_IL10_KO_MACROPHAGE_45MIN_UP
                                                                                   GSE7460_CD8_TCELL_VS_CD4_TCELL_ACT_UP, GSE7460_CD8_TCELL_VS_CD4_TCELL_ACT_UP
                                                                                    ICHIBA_GRAFT_VERSUS_HOST_DISEASE_35D_UP, ICHIBA_GRAFT_VERSUS_HOST_DISEASE_35D_UP
                                                                                    GSE17721_CTRL_VS_LPS_8H_BMDC_DN, GSE17721_CTRL_VS_LPS_8H_BMDC_DN
                                                                                    GSE2826_WT_VS_XID_BCELL_DN, GSE2826_WT_VS_XID_BCELL_DN
                                                                                    SCHAEFFER_PROSTATE_DEVELOPMENT_6HR_UP, SCHAEFFER_PROSTATE_DEVELOPMENT_6HR_UP
                                                                                    GSE15330_LYMPHOID_MULTIPOTENT_VS_PRO_BCELL_UP, GSE15330_LYMPHOID_MULTIPOTENT_VS_PRO_BCELL_UP
                                                                                    ZNF133_TARGET_GENES, ZNF133_TARGET_GENES
                                                                                    GSE339_CD4POS_VS_CD4CD8DN_DC_IN_CULTURE_UP, GSE339_CD4POS_VS_CD4CD8DN_DC_IN_CULTURE_UP
                                                                                    GSE30962_PRIMARY_VS_SECONDARY_CHRONIC_LCMV_INF_CD8_TCELL_DN, GSE30962_PRIMARY_VS_SECONDARY_CHRONIC_LCMV_INF_CD8_TCELL_DN
                                                                                    AACATTC_MIR4093P, AACATTC_MIR4093P
                                                                                    MODULE_169, MODULE_169
                                                                                   GSE37301_MULTIPOTENT_PROGENITOR_VS_GRAN_MONO_PROGENITOR_UP, GSE37301_MULTIPOTENT_PROGENITOR_VS_GRAN_MONO_PROGENITOR_UP
                                                                                   GSE32423 MEMORY VS NAIVE CD8 TCELL UP, GSE32423 MEMORY VS NAIVE CD8 TCELL UP
                                                                                   GSE22886_NAIVE_CD8_TCELL_VS_NEUTROPHIL_DN, GSE22886_NAIVE_CD8_TCELL_VS_NEUTROPHIL_DN
                                                                                   GSE22611_MUTANT_NOD2_TRANSDUCED_VS_CTRL_HEK293T_STIMULATED_WITH_MDP_6H_DN, GSE22611_MUTANT_NOD2_TRANSDUCED_VS_CTRL_HEK293T_STIMULATED_WITH_MDP_6H_DN
                                                                                   BURTON_ADIPOGENESIS_9, BURTON_ADIPOGENESIS_9
                                                                                   GOCC_RECYCLING_ENDOSOME_MEMBRANE, GOCC_RECYCLING_ENDOSOME_MEMBRANE
                                                                                   GSE26488_HDAC7_KO_VS_VP16_TRANSGENIC_HDAC7_KO_DOUBLE_POSITIVE_THYMOCYTE_DN, GSE26488_HDAC7_KO_VS_VP16_TRANSGENIC_HDAC7_KO_DOUBLE_POSITIVE_THYMOCYTE_DN
                                                                                   GSE40274_CTRL_VS_FOXP3_AND_IRF4_TRANSDUCED_ACTIVATED_CD4_TCELL_UP, GSE40274_CTRL_VS_FOXP3_AND_IRF4_TRANSDUCED_ACTIVATED_CD4_TCELL_UP
                                                                                   MARKEY_RB1_CHRONIC_LOF_DN, MARKEY_RB1_CHRONIC_LOF_DN
61_INT_VS_NEG_CD8_TCELL_UP, GSE33425_CD161_INT_VS_NEG_CD8_TCELL_UP
                                                                                   GSE40441_NRP1_POS_INDUCED_TREG_VS_NRP1_NEG_NATURAL_TREG_UP, GSE40441_NRP1_POS_INDUCED_TREG_VS_NRP1_NEG_NATURAL_TREG_UP
                                                                                   YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_0, YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_0
                                                                                    ICHIBA_GRAFT_VERSUS_HOST_DISEASE_D7_UP, ICHIBA_GRAFT_VERSUS_HOST_DISEASE_D7_UP
                                                                                    NELSON_RESPONSE_TO_ANDROGEN_UP, NELSON_RESPONSE_TO_ANDROGEN_UP
                                                                                    MIR3121_5P, MIR3121_5P
                                                                                   GSE9650_EXHAUSTED_VS_MEMORY_CD8_TCELL_UP, GSE9650_EXHAUSTED_VS_MEMORY_CD8_TCELL_UP
                                                                                   WIERENGA_STAT5A_TARGETS_GROUP2, WIERENGA_STAT5A_TARGETS_GROUP2
                                                                                    BERENJENO_ROCK_SIGNALING_NOT_VIA_RHOA_DN, BERENJENO_ROCK_SIGNALING_NOT_VIA_RHOA_DN
                                                                                    ROSS_AML_OF_FAB_M7_TYPE, ROSS_AML_OF_FAB_M7_TYPE
                                                                                   HP_BONE_PAIN, HP_BONE_PAIN
                                                                                    MIR5089_3P, MIR5089_3P
                                                                                    DAVICIONI_PAX_FOXO1_SIGNATURE_IN_ARMS_UP, DAVICIONI_PAX_FOXO1_SIGNATURE_IN_ARMS_UP
                                                                                   HP_RECURRENT_FEVER, HP_RECURRENT_FEVER
                                                                                    MIR3187_3P, MIR3187_3P
                                                                                    GSE26488_WT_VS_HDAC7_DELTAP_TG_OT2_THYMOCYTE_WITH_PEPTIDE_INJECTION_UP, GSE26488_WT_VS_HDAC7_DELTAP_TG_OT2_THYMOCYTE_WITH_PEPTIDE_INJECTION_UP
                                                                                   GOMF_SERINE_TYPE_ENDOPEPTIDASE_INHIBITOR_ACTIVITY, GOMF_SERINE_TYPE_ENDOPEPTIDASE_INHIBITOR_ACTIVITY
                                                                                   GOBP_LYMPHOCYTE_APOPTOTIC_PROCESS, GOBP_LYMPHOCYTE_APOPTOTIC_PROCESS
                                                                                   GOBP_MEMBRANE_PROTEIN_PROTEOLYSIS, GOBP_MEMBRANE_PROTEIN_PROTEOLYSIS
                                                                                    GSE9601_UNTREATED_VS_NFKB_INHIBITOR_TREATED_HCMV_INF_MONOCYTE_UP, GSE9601_UNTREATED_VS_NFKB_INHIBITOR_TREATED_HCMV_INF_MONOCYTE_UP
                                                                                    GOBP_POSITIVE_REGULATION_OF_PEPTIDE_SECRETION, GOBP_POSITIVE_REGULATION_OF_PEPTIDE_SECRETION
                                                                                    MIR215 5P, MIR215 5P
                                                                                    MCCLUNG_COCAINE_REWARD_5D, MCCLUNG_COCAINE_REWARD_5D
                                                                                   HENDRICKS_SMARCA4_TARGETS_UP, HENDRICKS_SMARCA4_TARGETS_UP
                                                                                   GOMF_CELL_CELL_ADHESION_MEDIATOR_ACTIVITY, GOMF_CELL_CELL_ADHESION_MEDIATOR_ACTIVITY
                                                                                   MIR6818_3P, MIR6818_3P
                                                                                   MIR192_5P, MIR192_5P
                                                                                   BUSSLINGER_ESOPHAGEAL_LATE_SUPRABASAL_CELLS, BUSSLINGER_ESOPHAGEAL_LATE_SUPRABASAL_CELLS
                                                                                   GOCC_ORGANELLE_MEMBRANE_CONTACT_SITE, GOCC_ORGANELLE_MEMBRANE_CONTACT_SITE
                                                                                   BOHN_PRIMARY_IMMUNODEFICIENCY_SYNDROM_DN, BOHN_PRIMARY_IMMUNODEFICIENCY_SYNDROM_DN
                                                                                   GOBP_POSITIVE_REGULATION_OF_LIPID_TRANSPORT, GOBP_POSITIVE_REGULATION_OF_LIPID_TRANSPORT
                                                                                   WORSCHECH_TUMOR_REJECTION_UP, WORSCHECH_TUMOR_REJECTION_UP
                                                                                   GOBP_LIPID_TRANSLOCATION, GOBP_LIPID_TRANSLOCATION
                                                                                   GOBP_ODONTOGENESIS, GOBP_ODONTOGENESIS
                                                                                   CRX_DN.V1_DN, CRX_DN.V1_DN
                                                                                   MODULE_209, MODULE_209
                                                                                   MCLACHLAN_DENTAL_CARIES_DN, MCLACHLAN_DENTAL_CARIES_DN
                                                                                   LANDIS_BREAST_CANCER_PROGRESSION_UP, LANDIS_BREAST_CANCER_PROGRESSION_UP
                                                                                   HP_ABNORMAL_MACROPHAGE_MORPHOLOGY, HP_ABNORMAL_MACROPHAGE_MORPHOLOGY
                                                                                   HP_POIKILOCYTOSIS, HP_POIKILOCYTOSIS
                                                                                   GOBP_REGULATION_OF_PHOSPHOLIPASE_ACTIVITY, GOBP_REGULATION_OF_PHOSPHOLIPASE_ACTIVITY
                                                                                   REACTOME_RND3_GTPASE_CYCLE, REACTOME_RND3_GTPASE_CYCLE
                                                                                   GOMF_PHOSPHATIDYLINOSITOL_3_4_5_TRISPHOSPHATE_BINDING, GOMF_PHOSPHATIDYLINOSITOL_3_4_5_TRISPHOSPHATE_BINDING
                                                                                   HP_NEPHRITIS, HP_NEPHRITIS
                                                                                   GOBP_T_CELL_APOPTOTIC_PROCESS, GOBP_T_CELL_APOPTOTIC_PROCESS
                                                                                   GNATENKO_PLATELET_SIGNATURE, GNATENKO_PLATELET_SIGNATURE
                                                                                   MIR4515, MIR4515
                                                                                   KORKOLA_YOLK_SAC_TUMOR, KORKOLA_YOLK_SAC_TUMOR
                                                                                   GOBP_OSTEOCLAST_DEVELOPMENT, GOBP_OSTEOCLAST_DEVELOPMENT
                                                                                   XU_RESPONSE_TO_TRETINOIN_UP, XU_RESPONSE_TO_TRETINOIN_UP
                                                                                   HOLLERN_MICROACINAR_BREAST_TUMOR_UP, HOLLERN_MICROACINAR_BREAST_TUMOR_UP
                                                                                   GOBP_REGULATION_OF_LIPASE_ACTIVITY, GOBP_REGULATION_OF_LIPASE_ACTIVITY
                                                                                   GOMF_ENDOPEPTIDASE_REGULATOR_ACTIVITY, GOMF_ENDOPEPTIDASE_REGULATOR_ACTIVITY
                                                                                   SALVADOR MARTIN PEDIATRIC TBD ANTI TNF THERAPY NONRESPONDER PRE TREATMENT UP, SALVADOR MARTIN PEDIATRIC TBD ANTI TNF THERAPY NONRESPONDER PRE TREATMENT UP
                                                                                   ABBUD_LIF_SIGNALING_1_DN, ABBUD_LIF_SIGNALING_1_DN
                                                                                   GOBP_STEROL_TRANSPORT, GOBP_STEROL_TRANSPORT
                                                                                   BRACHAT_RESPONSE_TO_METHOTREXATE_UP, BRACHAT_RESPONSE_TO_METHOTREXATE_UP
                                                                                   MAHADEVAN_IMATINIB_RESISTANCE_DN, MAHADEVAN_IMATINIB_RESISTANCE_DN
                                                                                   PEDERSEN_METASTASIS_BY_ERBB2_ISOFORM_3, PEDERSEN_METASTASIS_BY_ERBB2_ISOFORM_3
                                                                                   GOBP_NEGATIVE_REGULATION_OF_LYMPHOCYTE_APOPTOTIC_PROCESS, GOBP_NEGATIVE_REGULATION_OF_LYMPHOCYTE_APOPTOTIC_PROCESS
                                                                                   KEGG_GLYCOSPHINGOLIPID_BIOSYNTHESIS_LACTO_AND_NEOLACTO_SERIES, KEGG_GLYCOSPHINGOLIPID_BIOSYNTHESIS_LACTO_AND_NEOLACTO_SERIES
                                                                                   LANDIS ERBB2 BREAST TUMORS 65 UP, LANDIS ERBB2 BREAST TUMORS 65 UP
                                                                                   GOBP POSITIVE REGULATION OF LIPASE ACTIVITY, GOBP POSITIVE REGULATION OF LIPASE ACTIVITY
                                                                                   GOBP_POSITIVE_REGULATION_OF_FEVER_GENERATION, GOBP_POSITIVE_REGULATION_OF_FEVER_GENERATION
                                                                                    GOBP_REGULATION_OF_T_CELL_APOPTOTIC_PROCESS, GOBP_REGULATION_OF_T_CELL_APOPTOTIC_PROCESS
                                                                                   HP_ABNORMAL_FOVEAL_MORPHOLOGY, HP_ABNORMAL_FOVEAL_MORPHOLOGY
                                                                                   BUSSLINGER_DUODENAL_EC_CELLS, BUSSLINGER_DUODENAL_EC_CELLS
                                                                                   GOBP_POSITIVE_REGULATION_OF_RECEPTOR_RECYCLING, GOBP_POSITIVE_REGULATION_OF_RECEPTOR_RECYCLING
                                                                                   REACTOME_DISSOLUTION_OF_FIBRIN_CLOT, REACTOME_DISSOLUTION_OF_FIBRIN_CLOT
                                                                                   LEIN NEURON MARKERS, LEIN NEURON MARKERS
                                                                                   PID_INTEGRIN5_PATHWAY, PID_INTEGRIN5_PATHWAY
                                                                                   CEBPE_TARGET_GENES, CEBPE_TARGET_GENES
                                                                                   GOCC_MHC_CLASS_I_PROTEIN_COMPLEX, GOCC_MHC_CLASS_I_PROTEIN_COMPLEX
                                                                                   ZHONG_PFC_C2_SOX5_BCL11B_POS_EXCITATORY_NEURON, ZHONG_PFC_C2_SOX5_BCL11B_POS_EXCITATORY_NEURON
                                                                                    GOBP_NEGATIVE_REGULATION_OF_ANTIGEN_PROCESSING_AND_PRESENTATION, GOBP_NEGATIVE_REGULATION_OF_ANTIGEN_PROCESSING_AND_PRESENTATION
                                                                                   GOCC_FILOPODIUM_MEMBRANE, GOCC_FILOPODIUM_MEMBRANE
                                                                                   ZIRN_TRETINOIN_RESPONSE_UP, ZIRN_TRETINOIN_RESPONSE_UP
                                                                                   GOBP ANTIGEN PROCESSING AND PRESENTATION OF ENDOGENOUS PEPTIDE ANTIGEN VIA MHC CLASS I VIA ER PATHWAY, GOBP ANTIGEN PROCESSING AND PRESENTATION OF ENDOGENOUS PEPTIDE ANTIGEN VIA MHC
                                                                                   chr10q25, chr10q25
                                                                                   DURANTE ADULT OLFACTORY NEUROEPITHELIUM RESPIRATORY COLUMNAR CELLS, DURANTE ADULT OLFACTORY NEUROEPITHELIUM RESPIRATORY COLUMNAR CELLS
                                                                                   GOBP_NEGATIVE_REGULATION_OF_T_CELL_APOPTOTIC_PROCESS, GOBP_NEGATIVE_REGULATION_OF_T_CELL_APOPTOTIC_PROCESS
                                                                                   REACTOME_UPTAKE_AND_ACTIONS_OF_BACTERIAL_TOXINS, REACTOME_UPTAKE_AND_ACTIONS_OF_BACTERIAL_TOXINS
                                                                                   WP_OSTEOBLAST_SIGNALING, WP_OSTEOBLAST_SIGNALING
                                                                                   GOBP_PLASMA_MEMBRANE_PHOSPHOLIPID_SCRAMBLING, GOBP_PLASMA_MEMBRANE_PHOSPHOLIPID_SCRAMBLING
                                                                                   BOWIE_RESPONSE_TO_EXTRACELLULAR_MATRIX, BOWIE_RESPONSE_TO_EXTRACELLULAR_MATRIX
                                                                                   BOWIE_RESPONSE_TO_TAMOXIFEN, BOWIE_RESPONSE_TO_TAMOXIFEN
                                                                                   MCMURRAY TP53 HRAS COOPERATION RESPONSE UP, MCMURRAY TP53 HRAS COOPERATION RESPONSE UP
                                                                                   PIEPOLI_LGI1_TARGETS_UP, PIEPOLI_LGI1_TARGETS_UP
                                                                                   HP_POLYURIA, HP_POLYURIA
                                                                                   AMIT_EGF_RESPONSE_240_MCF10A, AMIT_EGF_RESPONSE_240_MCF10A
                                                                                   GOCC_CILIARY_ROOTLET, GOCC_CILIARY_ROOTLET
                                                                                   GOBP_POSITIVE_REGULATION_OF_ENDOTHELIAL_CELL_APOPTOTIC_PROCESS, GOBP_POSITIVE_REGULATION_OF_ENDOTHELIAL_CELL_APOPTOTIC_PROCESS
                                                                                   GOBP_REGULATION_OF_PHOSPHOLIPID_TRANSPORT, GOBP_REGULATION_OF_PHOSPHOLIPID_TRANSPORT
                                                                                   HAHTOLA_CTCL_PATHOGENESIS, HAHTOLA_CTCL_PATHOGENESIS
                                                                                   MOOTHA_GLYCOGEN_METABOLISM, MOOTHA_GLYCOGEN_METABOLISM
                                                                                   ONO_AML1_TARGETS_UP, ONO_AML1_TARGETS_UP
                                                                                   GOBP_POSITIVE_REGULATION_OF_BONE_RESORPTION, GOBP_POSITIVE_REGULATION_OF_BONE_RESORPTION
                                                                                   GOBP_POSITIVE_REGULATION_OF_NATURAL_KILLER_CELL_CHEMOTAXIS, GOBP_POSITIVE_REGULATION_OF_NATURAL_KILLER_CELL_CHEMOTAXIS
                                                                                   VERRECCHIA_RESPONSE_TO_TGFB1_C5, VERRECCHIA_RESPONSE_TO_TGFB1_C5
                                                                                   GOCC_LATE_ENDOSOME_LUMEN, GOCC_LATE_ENDOSOME_LUMEN
                                                                                   GOBP_POSITIVE_REGULATION_OF_CARDIAC_MUSCLE_CONTRACTION, GOBP_POSITIVE_REGULATION_OF_CARDIAC_MUSCLE_CONTRACTION
                                                                                   GOBP_REGULATION_OF_NATURAL_KILLER_CELL_CHEMOTAXIS, GOBP_REGULATION_OF_NATURAL_KILLER_CELL_CHEMOTAXIS
                                                                                   OSADA_ASCL1_TARGETS_DN, OSADA_ASCL1_TARGETS_DN
                                                                                   HP NAIL PITS, HP NAIL PITS
                                                                                   GOBP_ESTABLISHMENT_OF_BLOOD_BRAIN_BARRIER, GOBP_ESTABLISHMENT_OF_BLOOD_BRAIN_BARRIER
                                                                                   GAO LARGE INTESTINE 24W C4 PROM1LOW PROGENITOR, GAO LARGE INTESTINE 24W C4 PROM1LOW PROGENITOR
                                                                                   MIKKELSEN_IPS_LCP_WITH_H3K27ME3, MIKKELSEN_IPS_LCP_WITH_H3K27ME3
                                                                                   WIEMANN_TELOMERE_SHORTENING_AND_CHRONIC_LIVER_DAMAGE_DN, WIEMANN_TELOMERE_SHORTENING_AND_CHRONIC_LIVER_DAMAGE_DN
                                                                                   GOMF_CCR1_CHEMOKINE_RECEPTOR_BINDING, GOMF_CCR1_CHEMOKINE_RECEPTOR_BINDING
                                                                                   GOBP_REGULATION_OF_LIPOPROTEIN_PARTICLE_CLEARANCE, GOBP_REGULATION_OF_LIPOPROTEIN_PARTICLE_CLEARANCE
                                                                                   BIOCARTA_EOSINOPHILS_PATHWAY, BIOCARTA_EOSINOPHILS_PATHWAY
                                                                                   GOCC_MULTIVESICULAR_BODY_LUMEN, GOCC_MULTIVESICULAR_BODY_LUMEN
                                                                                   MIR4730, MIR4730
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chr6q23, chr6q23

chr8q12, chr8q12

GOMF_EXTRACELLULAR_MATRIX_PROTEIN_BINDING, GOMF_EXTRACELLULAR_MATRIX_PROTEIN_BINDING

GIAROLA_SILVA_BLOOD_PANDEMRIX_AGE_21_51YO_3DY_UP, GIAROLA_SILVA_BLOOD_PANDEMRIX_AGE_21_51YO_3DY_UP