```
GSE28726 NAIVE CD4 TCELL VS NAIVE NKTCELL UP, GSE28726 NAIVE CD4 TCELL VS NAIVE NKTCELL UP
                                                                                       GSE41176_WT_VS_TAK1_KO_ANTI_IGM_STIM_BCELL_3H_DN, GSE41176_WT_VS_TAK1_KO_ANTI_IGM_STIM_BCELL_3H_DN
                                                                                       GSE2770_TGFB_AND_IL4_ACT_VS_ACT_CD4_TCELL_48H_UP, GSE2770_TGFB_AND_IL4_ACT_VS_ACT_CD4_TCELL_48H_UP
                                                                                       GSE32986_UNSTIM_VS_CURDLAN_LOWDOSE_STIM_DC_DN, GSE32986_UNSTIM_VS_CURDLAN_LOWDOSE_STIM_DC_DN
                                                                                       GSE13738_RESTING_VS_BYSTANDER_ACTIVATED_CD4_TCELL_DN, GSE13738_RESTING_VS_BYSTANDER_ACTIVATED_CD4_TCELL_DN
                                                                                       GSE29618_BCELL_VS_MDC_DAY7_FLU_VACCINE_DN, GSE29618_BCELL_VS_MDC_DAY7_FLU_VACCINE_DN
                                                                                       GSE17721_LPS_VS_POLYIC_12H_BMDC_UP, GSE17721_LPS_VS_POLYIC_12H_BMDC_UP
                                                                                       GSE24292_WT_VS_PPARG_KO_MACROPHAGE_UP, GSE24292_WT_VS_PPARG_KO_MACROPHAGE_UP
                                                                                       GSE22025_PROGESTERONE_VS_TGFB1_AND_PROGESTERONE_TREATED_CD4_TCELL_UP, GSE22025_PROGESTERONE_VS_TGFB1_AND_PROGESTERONE_TREATED_CD4_TCELL_UP
                                                                                       GSE25088_CTRL_VS_IL4_AND_ROSIGLITAZONE_STIM_STAT6_KO_MACROPHAGE_UP, GSE25088_CTRL_VS_IL4_AND_ROSIGLITAZONE_STIM_STAT6_KO_MACROPHAGE_UP
                                                                                       GSE29949_MICROGLIA_BRAIN_VS_MONOCYTE_BONE_MARROW_DN, GSE29949_MICROGLIA_BRAIN_VS_MONOCYTE_BONE_MARROW_DN
                                                                                       GSE15330_HSC_VS_LYMPHOID_PRIMED_MULTIPOTENT_PROGENITOR_IKAROS_KO_DN, GSE15330_HSC_VS_LYMPHOID_PRIMED_MULTIPOTENT_PROGENITOR_IKAROS_KO_DN
                                                                                       GSE9988_ANTI_TREM1_VS_VEHICLE_TREATED_MONOCYTES_UP, GSE9988_ANTI_TREM1_VS_VEHICLE_TREATED_MONOCYTES_UP
                                                                                       GSE15330_LYMPHOID_MULTIPOTENT_VS_MEGAKARYOCYTE_ERYTHROID_PROGENITOR_IKAROS_KO_DN, GSE15330_LYMPHOID_MULTIPOTENT_VS_MEGAKARYOCYTE_ERYTHROID_PROGENITOR_IKARO
                                                                                       GSE3039_ALPHABETA_CD8_TCELL_VS_B2_BCELL_DN, GSE3039_ALPHABETA_CD8_TCELL_VS_B2_BCELL_DN
                                                                                       GSE9650_NAIVE_VS_MEMORY_CD8_TCELL_DN, GSE9650_NAIVE_VS_MEMORY_CD8_TCELL_DN
                                                                                       GSE31082_DP_VS_CD8_SP_THYMOCYTE_DN, GSE31082_DP_VS_CD8_SP_THYMOCYTE_DN
                                                                                       GSE17721_POLYIC_VS_CPG_16H_BMDC_DN, GSE17721_POLYIC_VS_CPG_16H_BMDC_DN
                                                                                       REACTOME_INTERLEUKIN_1_SIGNALING, REACTOME_INTERLEUKIN_1_SIGNALING
                                                                                       GSE44955_MCSF_VS_MCSF_AND_IL27_STIM_MACROPHAGE_UP, GSE44955_MCSF_VS_MCSF_AND_IL27_STIM_MACROPHAGE_UP
                                                                                       GSE6269_HEALTHY_VS_STAPH_PNEUMO_INF_PBMC_UP, GSE6269_HEALTHY_VS_STAPH_PNEUMO_INF_PBMC_UP
                                                                                       GSE5679_PPARG_LIGAND_ROSIGLITAZONE_VS_ROSIGLITAZONE_AND_RARA_AGONIST_AM580_TREATED_DC_UP, GSE5679_PPARG_LIGAND_ROSIGLITAZONE_VS_ROSIGLITAZONE_AND_RARA_AGONIST
                                                                                       GSE22140_GERMFREE_VS_SPF_MOUSE_CD4_TCELL_DN, GSE22140_GERMFREE_VS_SPF_MOUSE_CD4_TCELL_DN
                                                                                       REACTOME_CLEC7A_DECTIN_1_SIGNALING, REACTOME_CLEC7A_DECTIN_1_SIGNALING
                                                                                       GSE3565_CTRL_VS_LPS_INJECTED_SPLENOCYTES_UP, GSE3565_CTRL_VS_LPS_INJECTED_SPLENOCYTES_UP
                                                                                       GSE39110_UNTREATED_VS_IL2_TREATED_CD8_TCELL_DAY6_POST_IMMUNIZATION_UP, GSE39110_UNTREATED_VS_IL2_TREATED_CD8_TCELL_DAY6_POST_IMMUNIZATION_UP
                                                                                       REACTOME_DOWNSTREAM_SIGNALING_EVENTS_OF_B_CELL_RECEPTOR_BCR, REACTOME_DOWNSTREAM_SIGNALING_EVENTS_OF_B_CELL_RECEPTOR_BCR
                                                                                       MARTORIATI_MDM4_TARGETS_NEUROEPITHELIUM_UP, MARTORIATI_MDM4_TARGETS_NEUROEPITHELIUM_UP
                                                                                       GSE15330_HSC_VS_LYMPHOID_PRIMED_MULTIPOTENT_PROGENITOR_IKAROS_KO_UP, GSE15330_HSC_VS_LYMPHOID_PRIMED_MULTIPOTENT_PROGENITOR_IKAROS_KO_UP
                                                                                       GSE37301_COMMON_LYMPHOID_PROGENITOR_VS_CD4_TCELL_UP, GSE37301_COMMON_LYMPHOID_PROGENITOR_VS_CD4_TCELL_UP
                                                                                       YAGI_AML_FAB_MARKERS, YAGI_AML_FAB_MARKERS
                                                                                       GSE24142_DN2_VS_DN3_THYMOCYTE_DN, GSE24142_DN2_VS_DN3_THYMOCYTE_DN
                                                                                       BROWNE_HCMV_INFECTION_18HR_UP, BROWNE_HCMV_INFECTION_18HR_UP
                                                                                       GSE36392_TYPE_2_MYELOID_VS_EOSINOPHIL_IL25_TREATED_LUNG_DN, GSE36392_TYPE_2_MYELOID_VS_EOSINOPHIL_IL25_TREATED_LUNG_DN
                                                                                        GSE3565_CTRL_VS_LPS_INJECTED_DUSP1_KO_SPLENOCYTES_UP, GSE3565_CTRL_VS_LPS_INJECTED_DUSP1_KO_SPLENOCYTES_UP
                                                                                       REACTOME_INTERLEUKIN_1_FAMILY_SIGNALING, REACTOME_INTERLEUKIN_1_FAMILY_SIGNALING
                                                                                       GSE29949_CD8_NEG_DC_SPLEEN_VS_DC_BRAIN_DN, GSE29949_CD8_NEG_DC_SPLEEN_VS_DC_BRAIN_DN
                                                                                        GSE9006_HEALTHY_VS_TYPE_1_DIABETES_PBMC_AT_DX_DN, GSE9006_HEALTHY_VS_TYPE_1_DIABETES_PBMC_AT_DX_DN
                                                                                       GSE3720_VD1_VS_VD2_GAMMADELTA_TCELL_WITH_PMA_STIM_UP, GSE3720_VD1_VS_VD2_GAMMADELTA_TCELL_WITH_PMA_STIM_UP
                                                                                       GSE3982_MAST_CELL_VS_BCELL_UP, GSE3982_MAST_CELL_VS_BCELL_UP
                                                                                       GSE9988 ANTI TREM1 AND LPS VS VEHICLE TREATED MONOCYTES UP, GSE9988 ANTI TREM1 AND LPS VS VEHICLE TREATED MONOCYTES UP
                                                                                       GSE37416_CTRL_VS_3H_F_TULARENSIS_LVS_NEUTROPHIL_DN, GSE37416_CTRL_VS_3H_F_TULARENSIS_LVS_NEUTROPHIL_DN
                                                                                       GSE17721_POLYIC_VS_CPG_4H_BMDC_DN, GSE17721_POLYIC_VS_CPG_4H_BMDC_DN
                                                                                       GSE2935_UV_INACTIVATED_VS_LIVE_SENDAI_VIRUS_INF_MACROPHAGE_DN, GSE2935_UV_INACTIVATED_VS_LIVE_SENDAI_VIRUS_INF_MACROPHAGE_DN
                                                                                       GSE27241 CTRL VS DIGOXIN TREATED CD4 TCELL IN TH17 POLARIZING CONDITIONS DN, GSE27241 CTRL VS DIGOXIN TREATED CD4 TCELL IN TH17 POLARIZING CONDITIONS DN
                                                                                       GOBP_INTERLEUKIN_1_MEDIATED_SIGNALING_PATHWAY, GOBP_INTERLEUKIN_1_MEDIATED_SIGNALING_PATHWAY
                                                                                       GSE29618_PRE_VS_DAY7_POST_TIV_FLU_VACCINE_MDC_DN, GSE29618_PRE_VS_DAY7_POST_TIV_FLU_VACCINE_MDC_DN
                                                                                       GSE360_L_DONOVANI_VS_M_TUBERCULOSIS_MAC_UP, GSE360_L_DONOVANI_VS_M_TUBERCULOSIS_MAC_UP
                                                                                       GSE43863_DAY6_EFF_VS_DAY150_MEM_TFH_CD4_TCELL_UP, GSE43863_DAY6_EFF_VS_DAY150_MEM_TFH_CD4_TCELL_UP
                                                                                       GSE33292 DN3_THYMOCYTE_VS_TCF1_KO_TCELL_LYMPHOMA_UP, GSE33292 DN3_THYMOCYTE_VS_TCF1_KO_TCELL_LYMPHOMA_UP
                                                                                       GSE4590_LARGE_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_DN, GSE4590_LARGE_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_DN
                                                                                       GSE39556_UNTREATED_VS_3H_POLYIC_INJ_MOUSE_CD8A_DC_UP, GSE39556_UNTREATED_VS_3H_POLYIC_INJ_MOUSE_CD8A_DC_UP
                                                                                       GSE7852_TREG_VS_TCONV_THYMUS_UP, GSE7852_TREG_VS_TCONV_THYMUS_UP
                                                                                       GSE23925_DARK_ZONE_VS_NAIVE_BCELL_DN, GSE23925_DARK_ZONE_VS_NAIVE_BCELL_DN
                                                                                       WATANABE_RECTAL_CANCER_RADIOTHERAPY_RESPONSIVE_DN, WATANABE_RECTAL_CANCER_RADIOTHERAPY_RESPONSIVE_DN
                                                                                       HP HYPOPIGMENTATION OF THE SKIN, HP HYPOPIGMENTATION OF THE SKIN
                                                                                       GSE3920_UNTREATED_VS_IFNG_TREATED_FIBROBLAST_DN, GSE3920_UNTREATED_VS_IFNG_TREATED_FIBROBLAST_DN
                                                                                       ZHENG_CORD_BLOOD_C2_PUTATIVE_BASOPHIL_EOSINOPHIL_MAST_CELL_PROGENITOR, ZHENG_CORD_BLOOD_C2_PUTATIVE_BASOPHIL_EOSINOPHIL_MAST_CELL_PROGENITOR
                                                                                       GSE4984_GALECTIN1_VS_LPS_STIM_DC_DN, GSE4984_GALECTIN1_VS_LPS_STIM_DC_DN
                                                                                       GSE3982_BCELL_VS_NKCELL_UP, GSE3982_BCELL_VS_NKCELL_UP
                                                                                       GSE17974_IL4_AND_ANTI_IL12_VS_UNTREATED_72H_ACT_CD4_TCELL_DN, GSE17974_IL4_AND_ANTI_IL12_VS_UNTREATED_72H_ACT_CD4_TCELL_DN
                                                                                       GSE43863_DAY6_EFF_VS_DAY150_MEM_TH1_CD4_TCELL_UP, GSE43863_DAY6_EFF_VS_DAY150_MEM_TH1_CD4_TCELL_UP
                                                                                       REACTOME_FCERI_MEDIATED_NF_KB_ACTIVATION, REACTOME_FCERI_MEDIATED_NF_KB_ACTIVATION
                                                                                       GSE13522_CTRL_VS_T_CRUZI_Y_STRAIN_INF_SKIN_BALBC_MOUSE_UP, GSE13522_CTRL_VS_T_CRUZI_Y_STRAIN_INF_SKIN_BALBC_MOUSE_UP
                                                                                       GSE360_L_MAJOR_VS_M_TUBERCULOSIS_DC_DN, GSE360_L_MAJOR_VS_M_TUBERCULOSIS_DC_DN
                                                                                       WP_HEPATITIS_B_INFECTION, WP_HEPATITIS_B_INFECTION
                                                                                       HP_ABNORMAL_NERVE_CONDUCTION_VELOCITY, HP_ABNORMAL_NERVE_CONDUCTION_VELOCITY
                                                                                       GSE36078_WT_VS_IL1R_KO_LUNG_DC_AFTER_AD5_INF_UP, GSE36078_WT_VS_IL1R_KO_LUNG_DC_AFTER_AD5_INF_UP
                                                                                       GSE17721_LPS_VS_PAM3CSK4_0.5H_BMDC_UP, GSE17721_LPS_VS_PAM3CSK4_0.5H_BMDC_UP
                                                                                       KEGG_APOPTOSIS, KEGG_APOPTOSIS
                                                                                       GSE3565_DUSP1_VS_WT_SPLENOCYTES_UP, GSE3565_DUSP1_VS_WT_SPLENOCYTES_UP
                                                                                       GSE13522_WT_VS_IFNAR_KO_SKIN_DN, GSE13522_WT_VS_IFNAR_KO_SKIN_DN
                                                                                       DESERT_PERIVENOUS_HEPATOCELLULAR_CARCINOMA_SUBCLASS_UP, DESERT_PERIVENOUS_HEPATOCELLULAR_CARCINOMA_SUBCLASS_UP
                                                                                       TGASTMAGC_NFE2_01, TGASTMAGC_NFE2_01
                                                                                       CYCLIN_D1_KE_.V1_UP, CYCLIN_D1_KE_.V1_UP
                                                                                       HP_ALOPECIA, HP_ALOPECIA
                                                                                       NEMETH_INFLAMMATORY_RESPONSE_LPS_UP, NEMETH_INFLAMMATORY_RESPONSE_LPS_UP
                                                                                       GSE9650_NAIVE_VS_EXHAUSTED_CD8_TCELL_DN, GSE9650_NAIVE_VS_EXHAUSTED_CD8_TCELL_DN
                                                                                       GSE13484_3H_UNSTIM_VS_YF17D_VACCINE_STIM_PBMC_DN, GSE13484_3H_UNSTIM_VS_YF17D_VACCINE_STIM_PBMC_DN
                                                                                       GREGORY_SYNTHETIC_LETHAL_WITH_IMATINIB, GREGORY_SYNTHETIC_LETHAL_WITH_IMATINIB
                                                                                       GSE17721 CTRL VS POLYIC 1H BMDC DN, GSE17721 CTRL VS POLYIC 1H BMDC DN
                                                                                       HP_HYPOPIGMENTED_SKIN_PATCHES, HP_HYPOPIGMENTED_SKIN_PATCHES
                                                                                       GOBP VIRAL GENOME REPLICATION, GOBP VIRAL GENOME REPLICATION
                                                                                       WP_PARKINUBIQUITIN_PROTEASOMAL_SYSTEM_PATHWAY, WP_PARKINUBIQUITIN_PROTEASOMAL_SYSTEM_PATHWAY
                                                                                       GSE41978_WT_VS_ID2_KO_KLRG1_LOW_EFFECTOR_CD8_TCELL_DN, GSE41978_WT_VS_ID2_KO_KLRG1_LOW_EFFECTOR_CD8_TCELL_DN
                                                                                       REACTOME_TNFR2_NON_CANONICAL_NF_KB_PATHWAY, REACTOME_TNFR2_NON_CANONICAL_NF_KB_PATHWAY
                                                                                       GSE360_CTRL_VS_B_MALAYI_LOW_DOSE_DC_UP, GSE360_CTRL_VS_B_MALAYI_LOW_DOSE_DC_UP
                                                                                       GSE13887_RESTING_VS_ACT_CD4_TCELL_DN, GSE13887_RESTING_VS_ACT_CD4_TCELL_DN
                                                                                       GSE15330_HSC_VS_MEGAKARYOCYTE_ERYTHROID_PROGENITOR_IKAROS_KO_DN, GSE15330_HSC_VS_MEGAKARYOCYTE_ERYTHROID_PROGENITOR_IKAROS_KO_DN
                                                                                       HP_CARIOUS_TEETH, HP_CARIOUS_TEETH
                                                                                       GSE18281_CORTEX_VS_MEDULLA_THYMUS_UP, GSE18281_CORTEX_VS_MEDULLA_THYMUS_UP
                                                                                       GSE29617_DAY3_VS_DAY7_TIV_FLU_VACCINE_PBMC_2008_UP, GSE29617_DAY3_VS_DAY7_TIV_FLU_VACCINE_PBMC_2008_UP
                                                                                       GOBP_ACTIVATION_OF_MAPK_ACTIVITY, GOBP_ACTIVATION_OF_MAPK_ACTIVITY
                                                                                       SCHLOSSER MYC AND SERUM RESPONSE SYNERGY, SCHLOSSER MYC AND SERUM RESPONSE SYNERGY
                                                                                       MIR4709_5P, MIR4709_5P
                                                                                       GSE360_L_DONOVANI_VS_M_TUBERCULOSIS_MAC_DN, GSE360_L_DONOVANI_VS_M_TUBERCULOSIS_MAC_DN
                                                                                       MIR8076, MIR8076
                                                                                       NELSON_RESPONSE_TO_ANDROGEN_UP, NELSON_RESPONSE_TO_ANDROGEN_UP
                                                                                       GOBP_REGULATION_OF_REACTIVE_OXYGEN_SPECIES_METABOLIC_PROCESS, GOBP_REGULATION_OF_REACTIVE_OXYGEN_SPECIES_METABOLIC_PROCESS
                                                                                       GSE22611_MUTANT_NOD2_VS_CTRL_TRANSDUCED_HEK293T_CELL_UP, GSE22611_MUTANT_NOD2_VS_CTRL_TRANSDUCED_HEK293T_CELL_UP
                                                                                       GALE_APL_WITH_FLT3_MUTATED_UP, GALE_APL_WITH_FLT3_MUTATED_UP
                                                                                       GSE35435_RESTING_VS_IL4_TREATED_MACROPHAGE_DN, GSE35435_RESTING_VS_IL4_TREATED_MACROPHAGE_DN
                                                                                       HP_ABNORMALITY_OF_HAIR_PIGMENTATION, HP_ABNORMALITY_OF_HAIR_PIGMENTATION
                                                                                       GSE15930_NAIVE_VS_72H_IN_VITRO_STIM_IFNAB_CD8_TCELL_UP, GSE15930_NAIVE_VS_72H_IN_VITRO_STIM_IFNAB_CD8_TCELL_UP
                                                                                       KYNG_RESPONSE_TO_H2O2_VIA_ERCC6_UP, KYNG_RESPONSE_TO_H2O2_VIA_ERCC6_UP
                                                                                       REACTOME_INTERLEUKIN_17_SIGNALING, REACTOME_INTERLEUKIN_17_SIGNALING
                                                                                       GSE360_DC_VS_MAC_M_TUBERCULOSIS_UP, GSE360_DC_VS_MAC_M_TUBERCULOSIS_UP
                                                                                       GOBP_REGULATION_OF_LYMPHOCYTE_MEDIATED_IMMUNITY, GOBP_REGULATION_OF_LYMPHOCYTE_MEDIATED_IMMUNITY
                                                                                       HP_TREMOR_BY_ANATOMICAL_SITE, HP_TREMOR_BY_ANATOMICAL_SITE
                                                                                       GSE17721_4_VS_24H_CPG_BMDC_UP, GSE17721_4_VS_24H_CPG_BMDC_UP
                                                                                       GOMF_GENERAL_TRANSCRIPTION_INITIATION_FACTOR_ACTIVITY, GOMF_GENERAL_TRANSCRIPTION_INITIATION_FACTOR_ACTIVITY
                                                                                       HAY_BONE_MARROW_EOSINOPHIL, HAY_BONE_MARROW_EOSINOPHIL
                                                                                      MIR4653_5P, MIR4653_5P
04 TCELL VS ACT NKTCELL UP, GSE28726 ACT CD4 TCELL VS ACT NKTCELL UP
                                                                                       HP_GENERALIZED_HYPOPIGMENTATION_OF_HAIR, HP_GENERALIZED_HYPOPIGMENTATION_OF_HAIR
                                                                                       COULOUARN_TEMPORAL_TGFB1_SIGNATURE_UP, COULOUARN_TEMPORAL_TGFB1_SIGNATURE_UP
                                                                                       MIR3921, MIR3921
                                                                                       GSE360_DC_VS_MAC_T_GONDII_UP, GSE360_DC_VS_MAC_T_GONDII_UP
                                                                                       GOCC_LIPID_DROPLET, GOCC_LIPID_DROPLET
                                                                                       GOMF_RNA_POLYMERASE_II_GENERAL_TRANSCRIPTION_INITIATION_FACTOR_ACTIVITY, GOMF_RNA_POLYMERASE_II_GENERAL_TRANSCRIPTION_INITIATION_FACTOR_ACTIVITY
                                                                                       MIR1257, MIR1257
                                                                                       HP_PERIODONTITIS, HP_PERIODONTITIS
                                                                                       PID_IL1_PATHWAY, PID_IL1_PATHWAY
                                                                                       GSE17974_IL4_AND_ANTI_IL12_VS_UNTREATED_12H_ACT_CD4_TCELL_DN, GSE17974_IL4_AND_ANTI_IL12_VS_UNTREATED_12H_ACT_CD4_TCELL_DN
                                                                                       HP_ABNORMAL_MACULAR_MORPHOLOGY, HP_ABNORMAL_MACULAR_MORPHOLOGY
                                                                                       GSE5589_WT_VS_IL6_KO_LPS_STIM_MACROPHAGE_180MIN_UP, GSE5589_WT_VS_IL6_KO_LPS_STIM_MACROPHAGE_180MIN_UP
                                                                                       REACTOME_PURINERGIC_SIGNALING_IN_LEISHMANIASIS_INFECTION, REACTOME_PURINERGIC_SIGNALING_IN_LEISHMANIASIS_INFECTION
                                                                                       GSE1740_UNSTIM_VS_IFNA_STIMULATED_MCSF_IFNG_DERIVED_MACROPHAGE_UP, GSE1740_UNSTIM_VS_IFNA_STIMULATED_MCSF_IFNG_DERIVED_MACROPHAGE_UP
                                                                                       MIR15B_3P, MIR15B_3P
                                                                                        ASTIER_INTEGRIN_SIGNALING, ASTIER_INTEGRIN_SIGNALING
                                                                                       GOBP_CELLULAR_RESPONSE_TO_CARBOHYDRATE_STIMULUS, GOBP_CELLULAR_RESPONSE_TO_CARBOHYDRATE_STIMULUS
                                                                                       YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_16, YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_16
                                                                                       GOCC_MICROBODY_MEMBRANE, GOCC_MICROBODY_MEMBRANE
                                                                                       ZHANG_ANTIVIRAL_RESPONSE_TO_RIBAVIRIN_DN, ZHANG_ANTIVIRAL_RESPONSE_TO_RIBAVIRIN_DN
                                                                                       HP_TAPERED_FINGER, HP_TAPERED_FINGER
                                                                                       AKL_HTLV1_INFECTION_UP, AKL_HTLV1_INFECTION_UP
                                                                                       HP_PREMATURE_GRAYING_OF_HAIR, HP_PREMATURE_GRAYING_OF_HAIR
                                                                                       GSE41978_KLRG1_HIGH_VS_LOW_EFFECTOR_CD8_TCELL_UP, GSE41978_KLRG1_HIGH_VS_LOW_EFFECTOR_CD8_TCELL_UP
                                                                                       GOBP_REGULATION_OF_VIRAL_GENOME_REPLICATION, GOBP_REGULATION_OF_VIRAL_GENOME_REPLICATION
                                                                                       ZHAN_MULTIPLE_MYELOMA_CD2_DN, ZHAN_MULTIPLE_MYELOMA_CD2_DN
                                                                                       HP_MACULAR_DEGENERATION, HP_MACULAR_DEGENERATION
                                                                                       MIR3161, MIR3161
                                                                                       HP_MULTIPLE_JOINT_CONTRACTURES, HP_MULTIPLE_JOINT_CONTRACTURES
                                                                                       HP_NAIL_DYSTROPHY, HP_NAIL_DYSTROPHY
                                                                                       MIR12115, MIR12115
                                                                                       GOBP_MEMBRANE_PROTEIN_PROTEOLYSIS, GOBP_MEMBRANE_PROTEIN_PROTEOLYSIS
                                                                                       GOBP_HISTONE_H2A_ACETYLATION, GOBP_HISTONE_H2A_ACETYLATION
                                                                                       WP_PHOTODYNAMIC_THERAPYINDUCED_NFKB_SURVIVAL_SIGNALING, WP_PHOTODYNAMIC_THERAPYINDUCED_NFKB_SURVIVAL_SIGNALING
                                                                                       BIOCARTA_DEATH_PATHWAY, BIOCARTA_DEATH_PATHWAY
                                                                                       PID_ARF6_TRAFFICKING_PATHWAY, PID_ARF6_TRAFFICKING_PATHWAY
                                                                                       PID_HIV_NEF_PATHWAY, PID_HIV_NEF_PATHWAY
                                                                                       GOZGIT_ESR1_TARGETS_UP, GOZGIT_ESR1_TARGETS_UP
                                                                                       WP_INFLAMMATORY_RESPONSE_PATHWAY, WP_INFLAMMATORY_RESPONSE_PATHWAY
                                                                                       MIR3152 5P, MIR3152 5P
                                                                                       WOO LIVER_CANCER_RECURRENCE_UP, WOO_LIVER_CANCER_RECURRENCE_UP
                                                                                       MIR6834_5P, MIR6834_5P
                                                                                       REACTOME NICOTINATE METABOLISM, REACTOME NICOTINATE METABOLISM
                                                                                       GOCC H4 H2A HISTONE ACETYLTRANSFERASE COMPLEX, GOCC H4 H2A HISTONE ACETYLTRANSFERASE COMPLEX
                                                                                       ZHANG_GATA6_TARGETS_DN, ZHANG_GATA6_TARGETS_DN
                                                                                       GOBP_REACTIVE_OXYGEN_SPECIES_BIOSYNTHETIC_PROCESS, GOBP_REACTIVE_OXYGEN_SPECIES_BIOSYNTHETIC_PROCESS
                                                                                       REACTOME_CASPASE_ACTIVATION_VIA_DEATH_RECEPTORS_IN_THE_PRESENCE_OF_LIGAND, REACTOME_CASPASE_ACTIVATION_VIA_DEATH_RECEPTORS_IN_THE_PRESENCE_OF_LIGAND
                                                                                       GSE6259_FLT3L_INDUCED_VS_WT_SPLENIC_DC_33D1_POS_DN, GSE6259_FLT3L_INDUCED_VS_WT_SPLENIC_DC_33D1_POS_DN
                                                                                       GOBP_PHOSPHATIDYLCHOLINE_METABOLIC_PROCESS, GOBP_PHOSPHATIDYLCHOLINE_METABOLIC_PROCESS
                                                                                       HP_WHITE_HAIR, HP_WHITE_HAIR
                                                                                       GSE26928 EFF MEMORY VS CXCR5 POS CD4 TCELL UP, GSE26928 EFF MEMORY VS CXCR5 POS CD4 TCELL UP
                                                                                       HP_ATROPHY_DEGENERATION_AFFECTING_THE_BRAINSTEM, HP_ATROPHY_DEGENERATION_AFFECTING_THE_BRAINSTEM
                                                                                       MIR6811_3P, MIR6811_3P
                                                                                       HP_RETICULOCYTOSIS, HP_RETICULOCYTOSIS
                                                                                       HP_ABNORMAL_METAPHYSEAL_TRABECULATION, HP_ABNORMAL_METAPHYSEAL_TRABECULATION
                                                                                       MIR1238_5P_MIR4758_5P, MIR1238_5P_MIR4758_5P
                                                                                       GOBP_POSITIVE_REGULATION_OF_LIPID_METABOLIC_PROCESS, GOBP_POSITIVE_REGULATION_OF_LIPID_METABOLIC_PROCESS
                                                                                       GOBP_MEMBRANE_PROTEIN_ECTODOMAIN_PROTEOLYSIS, GOBP_MEMBRANE_PROTEIN_ECTODOMAIN_PROTEOLYSIS
                                                                                       GOBP_REACTIVE_NITROGEN_SPECIES_METABOLIC_PROCESS, GOBP_REACTIVE_NITROGEN_SPECIES_METABOLIC_PROCESS
                                                                                       GOBP_LONG_CHAIN_FATTY_ACID_TRANSPORT, GOBP_LONG_CHAIN_FATTY_ACID_TRANSPORT
                                                                                       GOBP_CARBOHYDRATE_TRANSMEMBRANE_TRANSPORT, GOBP_CARBOHYDRATE_TRANSMEMBRANE_TRANSPORT
                                                                                       MIR652_5P, MIR652_5P
                                                                                       HP_ABNORMALITY_OF_THE_DENTAL_PULP, HP_ABNORMALITY_OF_THE_DENTAL_PULP
                                                                                       HP_ABNORMAL_BRONCHUS_PHYSIOLOGY, HP_ABNORMAL_BRONCHUS_PHYSIOLOGY
                                                                                       NAKAJIMA_EOSINOPHIL, NAKAJIMA_EOSINOPHIL
                                                                                       HP_VERTICAL_SUPRANUCLEAR_GAZE_PALSY, HP_VERTICAL_SUPRANUCLEAR_GAZE_PALSY
                                                                                       HP_ERYTHRODERMA, HP_ERYTHRODERMA
                                                                                       CUI_DEVELOPING_HEART_5TH_WEEK_VENTRICULAR_CARDIOMYOCYTE, CUI_DEVELOPING_HEART_5TH_WEEK_VENTRICULAR_CARDIOMYOCYTE
                                                                                       NUNODA_RESPONSE_TO_DASATINIB_IMATINIB_DN, NUNODA_RESPONSE_TO_DASATINIB_IMATINIB_DN
                                                                                       MIR3927_5P, MIR3927_5P
                                                                                       GOBP_POSITIVE_REGULATION_OF_PROTEIN_LOCALIZATION_TO_CELL_SURFACE, GOBP_POSITIVE_REGULATION_OF_PROTEIN_LOCALIZATION_TO_CELL_SURFACE
                                                                                       GOBP EPITHELIAL TUBE BRANCHING INVOLVED IN LUNG MORPHOGENESIS, GOBP EPITHELIAL TUBE BRANCHING INVOLVED IN LUNG MORPHOGENESIS
                                                                                       REACTOME_INTERLEUKIN_10_SIGNALING, REACTOME_INTERLEUKIN_10_SIGNALING
                                                                                       GOBP DENDRITIC SPINE MAINTENANCE, GOBP DENDRITIC SPINE MAINTENANCE
                                                                                       WNT_UP.V1_UP, WNT_UP.V1_UP
                                                                                       HP_PANHYPOGAMMAGLOBULINEMIA, HP_PANHYPOGAMMAGLOBULINEMIA
                                                                                       SA_CASPASE_CASCADE, SA_CASPASE_CASCADE
                                                                                       GOBP_REGULATION_OF_NEURON_PROJECTION_REGENERATION, GOBP_REGULATION_OF_NEURON_PROJECTION_REGENERATION
                                                                                       NEWMAN_ERCC6_TARGETS_UP, NEWMAN_ERCC6_TARGETS_UP
                                                                                       VALK AML CLUSTER 10, VALK AML CLUSTER 10
                                                                                        LANDIS_ERBB2_BREAST_TUMORS_65_UP, LANDIS_ERBB2_BREAST_TUMORS_65_UP
                                                                                       GNCF 01, GNCF 01
                                                                                       GOBP_NEGATIVE_REGULATION_OF_TYROSINE_PHOSPHORYLATION_OF_STAT_PROTEIN, GOBP_NEGATIVE_REGULATION_OF_TYROSINE_PHOSPHORYLATION_OF_STAT_PROTEIN
                                                                                       MIR4296, MIR4296
                                                                                       WP_NOCGMPPKG_MEDIATED_NEUROPROTECTION, WP_NOCGMPPKG_MEDIATED_NEUROPROTECTION
                                                                                       HP_EPISTAXIS, HP_EPISTAXIS
                                                                                       GSE5589_WT_VS_IL6_KO_LPS_STIM_MACROPHAGE_180MIN_DN, GSE5589_WT_VS_IL6_KO_LPS_STIM_MACROPHAGE_180MIN_DN
                                                                                       GOBP_POSITIVE_REGULATION_OF_LIPID_BIOSYNTHETIC_PROCESS, GOBP_POSITIVE_REGULATION_OF_LIPID_BIOSYNTHETIC_PROCESS
                                                                                       GOBP_REGULATION_OF_ENDOTHELIAL_CELL_DEVELOPMENT, GOBP_REGULATION_OF_ENDOTHELIAL_CELL_DEVELOPMENT
                                                                                       GOBP_PULMONARY_VALVE_DEVELOPMENT, GOBP_PULMONARY_VALVE_DEVELOPMENT
                                                                                       GOBP_POSITIVE_REGULATION_OF_PHOSPHATIDYLINOSITOL_3_KINASE_SIGNALING, GOBP_POSITIVE_REGULATION_OF_PHOSPHATIDYLINOSITOL_3_KINASE_SIGNALING
                                                                                       WP_NAD_METABOLISM, WP_NAD_METABOLISM
                                                                                       HP_CYSTIC_HYGROMA, HP_CYSTIC_HYGROMA
                                                                                       GOBP_PROTEIN_NITROSYLATION, GOBP_PROTEIN_NITROSYLATION
                                                                                       BIOCARTA_PML_PATHWAY, BIOCARTA_PML_PATHWAY
                                                                                       REACTOME_REGULATION_BY_C_FLIP, REACTOME_REGULATION_BY_C_FLIP
                                                                                       HP_ORAL_LEUKOPLAKIA, HP_ORAL_LEUKOPLAKIA
                                                                                       HP_OLIVOPONTOCEREBELLAR_ATROPHY, HP_OLIVOPONTOCEREBELLAR_ATROPHY
                                                                                       HP_SCROTAL_HYPOPLASIA, HP_SCROTAL_HYPOPLASIA
                                                                                       GOBP_LONG_CHAIN_FATTY_ACID_IMPORT_INTO_CELL, GOBP_LONG_CHAIN_FATTY_ACID_IMPORT_INTO_CELL
                                                                                       MIR323A_5P, MIR323A_5P
                                                                                       PEPPER_CHRONIC_LYMPHOCYTIC_LEUKEMIA_UP, PEPPER_CHRONIC_LYMPHOCYTIC_LEUKEMIA_UP
                                                                                       HP_BULBAR_PALSY, HP_BULBAR_PALSY
                                                                                       GOBP_REGULATION_OF_CALCIUM_ION_IMPORT, GOBP_REGULATION_OF_CALCIUM_ION_IMPORT
                                                                                       GOBP_LOCOMOTORY_BEHAVIOR, GOBP_LOCOMOTORY_BEHAVIOR
                                                                                       MODULE_73, MODULE_73
                                                                                       HP ESOPHAGEAL STENOSIS, HP ESOPHAGEAL STENOSIS
                                                                                       GOBP_VASCULAR_ENDOTHELIAL_GROWTH_FACTOR_PRODUCTION, GOBP_VASCULAR_ENDOTHELIAL_GROWTH_FACTOR_PRODUCTION
                                                                                       GOBP_NEUROMUSCULAR_SYNAPTIC_TRANSMISSION, GOBP_NEUROMUSCULAR_SYNAPTIC_TRANSMISSION
                                                                                       GOBP_NEGATIVE_REGULATION_OF_TRANSMEMBRANE_TRANSPORT, GOBP_NEGATIVE_REGULATION_OF_TRANSMEMBRANE_TRANSPORT
                                                                                       XIE_LT_HSC_S1PR3_OE_UP, XIE_LT_HSC_S1PR3_OE_UP
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HP_HYPERKALEMIA, HP_HYPERKALEMIA