```
GSE29618 MONOCYTE VS PDC DAY7 FLU VACCINE DN, GSE29618 MONOCYTE VS PDC DAY7 FLU VACCINE DN
                                                                                                                   KIM_WT1_TARGETS_8HR_UP, KIM_WT1_TARGETS_8HR_UP
                                                                                                                   GSE29618_BCELL_VS_MDC_UP, GSE29618_BCELL_VS_MDC_UP
                                                                                                                   GSE17721_PAM3CSK4_VS_CPG_16H_BMDC_UP, GSE17721_PAM3CSK4_VS_CPG_16H_BMDC_UP
                                                                                                                  HP_ABNORMAL_ELASTICITY_OF_SKIN, HP_ABNORMAL_ELASTICITY_OF_SKIN
                                                                                                                   MIR337_3P, MIR337_3P
                                                                                                                  GSE10325_CD4_TCELL_VS_BCELL_DN, GSE10325_CD4_TCELL_VS_BCELL_DN
                                                                                                                   LIU_SOX4_TARGETS_UP, LIU_SOX4_TARGETS_UP
                                                                                                                   SCHAEFFER_PROSTATE_DEVELOPMENT_6HR_UP, SCHAEFFER_PROSTATE_DEVELOPMENT_6HR_UP
                                                                                                                   GSE39820_CTRL_VS_IL1B_IL6_CD4_TCELL_DN, GSE39820_CTRL_VS_IL1B_IL6_CD4_TCELL_DN
                                                                                                                   HP_HYPSARRHYTHMIA, HP_HYPSARRHYTHMIA
                                                                                                                   CASORELLI_ACUTE_PROMYELOCYTIC_LEUKEMIA_UP, CASORELLI_ACUTE_PROMYELOCYTIC_LEUKEMIA_UP
                                                                                                                   GSE22886_NAIVE_VS_IGG_IGA_MEMORY_BCELL_UP, GSE22886_NAIVE_VS_IGG_IGA_MEMORY_BCELL_UP
                                                                                                                  GNF2_DDX5, GNF2_DDX5
                                                                                                                  GSE10325_LUPUS_CD4_TCELL_VS_LUPUS_BCELL_DN, GSE10325_LUPUS_CD4_TCELL_VS_LUPUS_BCELL_DN
                                                                                                                  HAY_BONE_MARROW_DENDRITIC_CELL, HAY_BONE_MARROW_DENDRITIC_CELL
                                                                                                                  HP ABNORMALLY LAX OR HYPEREXTENSIBLE SKIN, HP ABNORMALLY LAX OR HYPEREXTENSIBLE SKIN
                                                                                                                  MIR183_3P, MIR183_3P
                                                                                                                  HP_TALL_STATURE, HP_TALL_STATURE
                                                                                                                  GSE29618_BCELL_VS_MDC_DAY7_FLU_VACCINE_UP, GSE29618_BCELL_VS_MDC_DAY7_FLU_VACCINE_UP
                                                                                                                   MIR505_3P, MIR505_3P
                                                                                                                   MIR4288, MIR4288
                                                                                                                  GSE15659_NAIVE_CD4_TCELL_VS_NONSUPPRESSIVE_TCELL_DN, GSE15659_NAIVE_CD4_TCELL_VS_NONSUPPRESSIVE_TCELL_DN
                                                                                                                   HOEBEKE_LYMPHOID_STEM_CELL_UP, HOEBEKE_LYMPHOID_STEM_CELL_UP
                                                                                                                   PRC2_EED_UP.V1_UP, PRC2_EED_UP.V1_UP
                                                                                                                  ROSS_LEUKEMIA_WITH_MLL_FUSIONS, ROSS_LEUKEMIA_WITH_MLL_FUSIONS
                                                                                                                  MIR6762 3P, MIR6762 3P
                                                                                                                  HP_BROAD_FINGER, HP_BROAD_FINGER
                                                                                                                  GSE41978_WT_VS_BIM_KO_KLRG1_LOW_EFFECTOR_CD8_TCELL_DN, GSE41978_WT_VS_BIM_KO_KLRG1_LOW_EFFECTOR_CD8_TCELL_DN
                                                                                                                  REACTOME_COPI_MEDIATED_ANTEROGRADE_TRANSPORT, REACTOME_COPI_MEDIATED_ANTEROGRADE_TRANSPORT
                                                                                                                   MIR630, MIR630
                                                                                                                  HP_CORTICAL_DYSPLASIA, HP_CORTICAL_DYSPLASIA
                                                                                                                  GSE3982 BCELL VS_TH1_UP, GSE3982 BCELL_VS_TH1_UP
                                                                                                                  GSE22886_TCELL_VS_BCELL_NAIVE_DN, GSE22886_TCELL_VS_BCELL_NAIVE_DN
                                                                                                                  GSE22886_CD4_TCELL_VS_BCELL_NAIVE_DN, GSE22886_CD4_TCELL_VS_BCELL_NAIVE_DN
                                                                                                                  MIR3689A_5P_MIR3689B_5P_MIR3689E_MIR3689F, MIR3689A_5P_MIR3689B_5P_MIR3689E_MIR3689F
                                                                                                                  HP_BRUISING_SUSCEPTIBILITY, HP_BRUISING_SUSCEPTIBILITY
                                                                                                                  HP_GENERALIZED_HIRSUTISM, HP_GENERALIZED_HIRSUTISM
                                                                                                                  GSE26928 CENTR MEMORY_VS CXCR5 POS CD4_TCELL_DN, GSE26928 CENTR_MEMORY_VS CXCR5 POS CD4_TCELL_DN
                                                                                                                  MIR5004_3P, MIR5004_3P
                                                                                                                  GSE29615_CTRL_VS_DAY3_LAIV_IFLU_VACCINE_PBMC_DN, GSE29615_CTRL_VS_DAY3_LAIV_IFLU_VACCINE_PBMC_DN
                                                                                                                  GSE22886_CD8_TCELL_VS_BCELL_NAIVE_DN, GSE22886_CD8_TCELL_VS_BCELL_NAIVE_DN
                                                                                                                  HP_CUTIS_LAXA, HP_CUTIS_LAXA
                                                                                                                  HP_ABNORMAL_METATARSAL_MORPHOLOGY, HP_ABNORMAL_METATARSAL_MORPHOLOGY
                                                                                                                  MCAATNNNNGCG_UNKNOWN, MCAATNNNNNGCG_UNKNOWN
                                                                                                                  GSE21927_EL4_VS_MCA203_TUMOR_MONOCYTES_DN, GSE21927_EL4_VS_MCA203_TUMOR_MONOCYTES_DN
                                                                                                                  MIR629 5P, MIR629 5P
                                                                                                                  GSE17974_IL4_AND_ANTI_IL12_VS_UNTREATED_72H_ACT_CD4_TCELL_UP, GSE17974_IL4_AND_ANTI_IL12_VS_UNTREATED_72H_ACT_CD4_TCELL_UP
                                                                                                                  HP_BROAD_THUMB, HP_BROAD_THUMB
                                                                                                                   ATGTCAC MIR489, ATGTCAC MIR489
                                                                                                                  WANG_TARGETS_OF_MLL_CBP_FUSION_DN, WANG_TARGETS_OF_MLL_CBP_FUSION_DN
                                                                                                                  GSE37301_PRO_BCELL_VS_GRANULOCYTE_MONOCYTE_PROGENITOR_UP, GSE37301_PRO_BCELL_VS_GRANULOCYTE_MONOCYTE_PROGENITOR_UP
                                                                                                                   REACTOME_EPH_EPHRIN_SIGNALING, REACTOME_EPH_EPHRIN_SIGNALING
                                                                                                                  HP_EPILEPTIC_ENCEPHALOPATHY, HP_EPILEPTIC_ENCEPHALOPATHY
                                                                                                                   AGTCTTA_MIR499, AGTCTTA_MIR499
                                                                                                                  HP_TACHYPNEA, HP_TACHYPNEA
                                                                                                                  BILD_CTNNB1_ONCOGENIC_SIGNATURE, BILD_CTNNB1_ONCOGENIC_SIGNATURE
                                                                                                                  MIR6883_3P, MIR6883_3P
                                                                                                                   HP_LARGE_BASAL_GANGLIA, HP_LARGE_BASAL_GANGLIA
                                                                                                                   HP_REDUNDANT_SKIN, HP_REDUNDANT_SKIN
                                                                                                                  GOMF_PROTEASE_BINDING, GOMF_PROTEASE_BINDING
                                                                                                                   MIR7851_3P, MIR7851_3P
                                                                                                                   GENTILE_UV_LOW_DOSE_DN, GENTILE_UV_LOW_DOSE_DN
                                                                                                                   AKL_HTLV1_INFECTION_UP, AKL_HTLV1_INFECTION_UP
                                                                                                                   HP_TREMOR_BY_ANATOMICAL_SITE, HP_TREMOR_BY_ANATOMICAL_SITE
                                                                                                                   AMIT_EGF_RESPONSE_60_HELA, AMIT_EGF_RESPONSE_60_HELA
                                                                                                                   SIG_PIP3_SIGNALING_IN_B_LYMPHOCYTES, SIG_PIP3_SIGNALING_IN_B_LYMPHOCYTES
                                                                                                                   MIR6794_3P, MIR6794_3P
                                                                                                                  MIR4752, MIR4752
                                                                                                                   MIR4797_3P, MIR4797_3P
                                                                                                                   HP_MULTIFOCAL_EPILEPTIFORM_DISCHARGES, HP_MULTIFOCAL_EPILEPTIFORM_DISCHARGES
                                                                                                                   HP_ACCELERATED_SKELETAL_MATURATION, HP_ACCELERATED_SKELETAL_MATURATION
                                                                                                                   PID_GMCSF_PATHWAY, PID_GMCSF_PATHWAY
                                                                                                                   MIR6126, MIR6126
                                                                                                                  GOBP_NEGATIVE_REGULATION_OF_SMALL_GTPASE_MEDIATED_SIGNAL_TRANSDUCTION, GOBP_NEGATIVE_REGULATION_OF_SMALL_GTPASE_MEDIATED_SIGNAL_TRANSDUCTION
                                                                                                                  GOBP_ALPHA_BETA_T_CELL_DIFFERENTIATION, GOBP_ALPHA_BETA_T_CELL_DIFFERENTIATION
                                                                                                                  WIEDERSCHAIN_TARGETS_OF_BMI1_AND_PCGF2, WIEDERSCHAIN_TARGETS_OF_BMI1_AND_PCGF2
                                                                                                                  HP_DECREASED_MUSCLE_MASS, HP_DECREASED_MUSCLE_MASS
                                                                                                                  HP ABNORMAL AORTIC VALVE CUSP MORPHOLOGY, HP ABNORMAL AORTIC VALVE CUSP MORPHOLOGY
                                                                                                                  GOBP_POSITIVE_REGULATION_OF_COLD_INDUCED_THERMOGENESIS, GOBP_POSITIVE_REGULATION_OF_COLD_INDUCED_THERMOGENESIS
                                                                                                                  HP_TONIC_SEIZURE, HP_TONIC_SEIZURE
                                                                                                                  GOBP_SUBSTRATE_ADHESION_DEPENDENT_CELL_SPREADING, GOBP_SUBSTRATE_ADHESION_DEPENDENT_CELL_SPREADING
                                                                                                                  GOBP INSULIN SECRETION INVOLVED IN CELLULAR RESPONSE TO GLUCOSE STIMULUS, GOBP INSULIN SECRETION INVOLVED IN CELLULAR RESPONSE TO GLUCOSE STIMULUS
                                                                                                                  GOBP POSITIVE REGULATION OF ALPHA BETA T CELL DIFFERENTIATION, GOBP POSITIVE REGULATION OF ALPHA BETA T CELL DIFFERENTIATION
                                                                                                                  PID_ARF6_TRAFFICKING_PATHWAY, PID_ARF6_TRAFFICKING_PATHWAY
                                                                                                                   MIR376A_2_5P, MIR376A_2_5P
                                                                                                                   MIR3927_5P, MIR3927_5P
                                                                                                                   MIR3146, MIR3146
                                                                                                                  HP_URETERAL_DUPLICATION, HP_URETERAL_DUPLICATION
                                                                                                                  HP_HYPERPITUITARISM, HP_HYPERPITUITARISM
                                                                                                                  HP_GYNECOMASTIA, HP_GYNECOMASTIA
                                                                                                                  HP CHEST PAIN, HP CHEST PAIN
                                                                                                                  HP_SPASTIC_DIPLEGIA, HP_SPASTIC_DIPLEGIA
                                                                                                                  MIR4771, MIR4771
                                                                                                                  HP_HEAD_TREMOR, HP_HEAD_TREMOR
                                                                                                                  HP_TRANSIENT_ISCHEMIC_ATTACK, HP_TRANSIENT_ISCHEMIC_ATTACK
                                                                                                                  GOBP_PROTEIN_DEMANNOSYLATION, GOBP_PROTEIN_DEMANNOSYLATION
                                                                                                                  YAATNANRNNNCAG_UNKNOWN, YAATNANRNNNCAG_UNKNOWN
                                                                                                                  HP_ISCHEMIC_STROKE, HP_ISCHEMIC_STROKE
                                                                                                                  GOBP_REGULATION_OF_FILOPODIUM_ASSEMBLY, GOBP_REGULATION_OF_FILOPODIUM_ASSEMBLY
                                                                                                                  MIR924, MIR924
                                                                                                                  GOBP_REGULATION_OF_PROTEIN_DEUBIQUITINATION, GOBP_REGULATION_OF_PROTEIN_DEUBIQUITINATION
                                                                                                                  HP HYPOSMIA, HP HYPOSMIA
                                                                                                                   GOBP BENZENE CONTAINING COMPOUND METABOLIC PROCESS, GOBP BENZENE CONTAINING COMPOUND METABOLIC PROCESS
                                                                                                                  HP_PERIPHERAL_ARTERIAL_STENOSIS, HP_PERIPHERAL_ARTERIAL_STENOSIS
                                                                                                                   MIR3672, MIR3672
                                                                                                                  GOBP_STRIATED_MUSCLE_CELL_PROLIFERATION, GOBP_STRIATED_MUSCLE_CELL_PROLIFERATION
                                                                                                                   GOBP_POSITIVE_REGULATION_OF_LIPID_TRANSPORT, GOBP_POSITIVE_REGULATION_OF_LIPID_TRANSPORT
                                                                                                                  PID_INTEGRIN1_PATHWAY, PID_INTEGRIN1_PATHWAY
                                                                                                                   ACCAATC_MIR509, ACCAATC_MIR509
                                                                                                                   GOBP_PEPTIDYL_THREONINE_DEPHOSPHORYLATION, GOBP_PEPTIDYL_THREONINE_DEPHOSPHORYLATION
                                                                                                                  HP_VERTEBRAL_FUSION, HP_VERTEBRAL_FUSION
                                                                                                                   GOBP_ENDOPLASMIC_RETICULUM_MANNOSE_TRIMMING, GOBP_ENDOPLASMIC_RETICULUM_MANNOSE_TRIMMING
                                                                                                                   MIR6871_5P, MIR6871_5P
                                                                                                                   HP_URETERAL_OBSTRUCTION, HP_URETERAL_OBSTRUCTION
                                                                                                                   DOANE_BREAST_CANCER_CLASSES_UP, DOANE_BREAST_CANCER_CLASSES_UP
                                                                                                                   HP_EEG_WITH_SPIKE_WAVE_COMPLEXES, HP_EEG_WITH_SPIKE_WAVE_COMPLEXES
                                                                                                                   HP_PANCREATIC_CYSTS, HP_PANCREATIC_CYSTS
                                                                                                                   HP_ABNORMALITY_OF_THE_DISTAL_PHALANX_OF_THE_THUMB, HP_ABNORMALITY_OF_THE_DISTAL_PHALANX_OF_THE_THUMB
                                                                                                                  HP_BLURRED_VISION, HP_BLURRED_VISION
                                                                                                                  MIR6864_3P, MIR6864_3P
                                                                                                                  ZHAN_LATE_DIFFERENTIATION_GENES_DN, ZHAN_LATE_DIFFERENTIATION_GENES_DN
7_POST_LAIV_FLU_VACCINE_PDC_DN, GSE29618_PRE_VS_DAY7_POST_LAIV_FLU_VACCINE_PDC_DN
                                                                                                                   HP_CHORIORETINAL_DYSPLASIA, HP_CHORIORETINAL_DYSPLASIA
                                                                                                                   NICK_RESPONSE_TO_PROC_TREATMENT_DN, NICK_RESPONSE_TO_PROC_TREATMENT_DN
                                                                                                                   GSE19888_ADENOSINE_A3R_INH_VS_INH_PRETREAT_AND_ACT_WITH_TCELL_MEMBRANES_MAST_CELL_DN, GSE19888_ADENOSINE_A3R_INH_VS_INH_PRETREAT_AND_ACT_WITH_TCELL_
                                                                                                                   MIR885_3P, MIR885_3P
                                                                                                                   HP_LIMITATION_OF_KNEE_MOBILITY, HP_LIMITATION_OF_KNEE_MOBILITY
                                                                                                                   FRASOR_RESPONSE_TO_SERM_OR_FULVESTRANT_UP, FRASOR_RESPONSE_TO_SERM_OR_FULVESTRANT_UP
                                                                                                                   LA_MEN1_TARGETS, LA_MEN1_TARGETS
                                                                                                                   HP_AORTIC_DISSECTION, HP_AORTIC_DISSECTION
                                                                                                                   GOBP_ACTIVATION_OF_NF_KAPPAB_INDUCING_KINASE_ACTIVITY, GOBP_ACTIVATION_OF_NF_KAPPAB_INDUCING_KINASE_ACTIVITY
                                                                                                                   HP_ABNORMAL_SPINAL_MENINGEAL_MORPHOLOGY, HP_ABNORMAL_SPINAL_MENINGEAL_MORPHOLOGY
                                                                                                                   HP_SCAPHOCEPHALY, HP_SCAPHOCEPHALY
                                                                                                                  HP_SYNOSTOSIS_INVOLVING_BONES_OF_THE_HAND, HP_SYNOSTOSIS_INVOLVING_BONES_OF_THE_HAND
                                                                                                                   HP_FUSED_CERVICAL_VERTEBRAE, HP_FUSED_CERVICAL_VERTEBRAE
                                                                                                                   KYNG_ENVIRONMENTAL_STRESS_RESPONSE_NOT_BY_GAMMA_IN_WS, KYNG_ENVIRONMENTAL_STRESS_RESPONSE_NOT_BY_GAMMA_IN_WS
                                                                                                                   GOBP_REGULATION_OF_HOMOTYPIC_CELL_CELL_ADHESION, GOBP_REGULATION_OF_HOMOTYPIC_CELL_CELL_ADHESION
                                                                                                                   GOBP_MAST_CELL_ACTIVATION_INVOLVED_IN_IMMUNE_RESPONSE, GOBP_MAST_CELL_ACTIVATION_INVOLVED_IN_IMMUNE_RESPONSE
                                                                                                                  HP_DESCENDING_THORACIC_AORTA_ANEURYSM, HP_DESCENDING_THORACIC_AORTA_ANEURYSM
                                                                                                                  HP_SYNOSTOSIS_OF_CARPALS_TARSALS, HP_SYNOSTOSIS_OF_CARPALS_TARSALS
                                                                                                                   VALK_AML_CLUSTER_12, VALK_AML_CLUSTER_12
                                                                                                                  HP_CAVUM_SEPTUM_PELLUCIDUM, HP_CAVUM_SEPTUM_PELLUCIDUM
                                                                                                                  GOMF_VOLTAGE_GATED_SODIUM_CHANNEL_ACTIVITY, GOMF_VOLTAGE_GATED_SODIUM_CHANNEL_ACTIVITY
                                                                                                                  HP_GENERALIZED_CLONIC_SEIZURE, HP_GENERALIZED_CLONIC_SEIZURE
                                                                                                                  HP_BILE_DUCT_PROLIFERATION, HP_BILE_DUCT_PROLIFERATION
                                                                                                                  GAUSSMANN_MLL_AF4_FUSION_TARGETS_F_DN, GAUSSMANN_MLL_AF4_FUSION_TARGETS_F_DN
                                                                                                                  RIZ_ERYTHROID_DIFFERENTIATION_12HR, RIZ_ERYTHROID_DIFFERENTIATION_12HR
                                                                                                                  GOMF_FIBRONECTIN_BINDING, GOMF_FIBRONECTIN_BINDING
                                                                                                                  GOBP_CELL_CELL_ADHESION_MEDIATED_BY_CADHERIN, GOBP_CELL_CELL_ADHESION_MEDIATED_BY_CADHERIN
                                                                                                                  PID_INTEGRIN_CS_PATHWAY, PID_INTEGRIN_CS_PATHWAY
                                                                                                                  HP_DYSGENESIS_OF_THE_HIPPOCAMPUS, HP_DYSGENESIS_OF_THE_HIPPOCAMPUS
                                                                                                                   REACTOME_EPH_EPHRIN_MEDIATED_REPULSION_OF_CELLS, REACTOME_EPH_EPHRIN_MEDIATED_REPULSION_OF_CELLS
                                                                                                                  GOCC ER UBIQUITIN LIGASE COMPLEX, GOCC ER UBIQUITIN LIGASE COMPLEX
                                                                                                                  GOBP_KYNURENINE_METABOLIC_PROCESS, GOBP_KYNURENINE_METABOLIC_PROCESS
                                                                                                                  HP_ABDOMINAL_AORTIC_ANEURYSM, HP_ABDOMINAL_AORTIC_ANEURYSM
                                                                                                                  NUFIP1_TARGET_GENES, NUFIP1_TARGET_GENES
                                                                                                                  GOBP_RESPONSE_TO_STEROL, GOBP_RESPONSE_TO_STEROL
                                                                                                                  GOBP_POSITIVE_REGULATION_OF_MAST_CELL_ACTIVATION, GOBP_POSITIVE_REGULATION_OF_MAST_CELL_ACTIVATION
                                                                                                                   BIOCARTA_EIF2_PATHWAY, BIOCARTA_EIF2_PATHWAY
                                                                                                                   REACTOME_INTERACTION_BETWEEN_L1_AND_ANKYRINS, REACTOME_INTERACTION_BETWEEN_L1_AND_ANKYRINS
                                                                                                                  HP_ATYPICAL_ABSENCE_SEIZURE, HP_ATYPICAL_ABSENCE_SEIZURE
                                                                                                                  GOBP_REGULATION_OF_KERATINOCYTE_MIGRATION, GOBP_REGULATION_OF_KERATINOCYTE_MIGRATION
                                                                                                                  GOBP_BRAIN_MORPHOGENESIS, GOBP_BRAIN_MORPHOGENESIS
                                                                                                                   EBAUER_TARGETS_OF_PAX3_FOXO1_FUSION_DN, EBAUER_TARGETS_OF_PAX3_FOXO1_FUSION_DN
                                                                                                                   PID_INTEGRIN5_PATHWAY, PID_INTEGRIN5_PATHWAY
                                                                                                                  HP TIBIAL TORSION, HP TIBIAL TORSION
                                                                                                                   KEGG_BUTANOATE_METABOLISM, KEGG_BUTANOATE_METABOLISM
                                                                                                                   RANKIN_ANGIOGENIC_TARGETS_OF_VHL_HIF2A_DN, RANKIN_ANGIOGENIC_TARGETS_OF_VHL_HIF2A_DN
                                                                                                                   HP_CENTRAL_ADRENAL_INSUFFICIENCY, HP_CENTRAL_ADRENAL_INSUFFICIENCY
                                                                                                                   HP_SUBARACHNOID_HEMORRHAGE, HP_SUBARACHNOID_HEMORRHAGE
                                                                                                                   GOBP_KERATINOCYTE_MIGRATION, GOBP_KERATINOCYTE_MIGRATION
                                                                                                                   KYNG_NORMAL_AGING_DN, KYNG_NORMAL_AGING_DN
                                                                                                                   MIR4294, MIR4294
                                                                                                                   GOCC_SODIUM_CHANNEL_COMPLEX, GOCC_SODIUM_CHANNEL_COMPLEX
                                                                                                                   GOBP_REGULATION_OF_PLATELET_ACTIVATION, GOBP_REGULATION_OF_PLATELET_ACTIVATION
                                                                                                                   BIOCARTA_RNA_PATHWAY, BIOCARTA_RNA_PATHWAY
                                                                                                                   GOBP_EXTRACELLULAR_MATRIX_DISASSEMBLY, GOBP_EXTRACELLULAR_MATRIX_DISASSEMBLY
                                                                                                                  HP_CARPAL_SYNOSTOSIS, HP_CARPAL_SYNOSTOSIS
                                                                                                                  HP_HIP_CONTRACTURE, HP_HIP_CONTRACTURE
                                                                                                                   KYNG_WERNER_SYNDROM_DN, KYNG_WERNER_SYNDROM_DN
                                                                                                                  GOCC_VOLTAGE_GATED_SODIUM_CHANNEL_COMPLEX, GOCC_VOLTAGE_GATED_SODIUM_CHANNEL_COMPLEX
                                                                                                                   WP_OSTEOPONTIN_SIGNALING, WP_OSTEOPONTIN_SIGNALING
                                                                                                                   GOBP_RESPONSE_TO_PROTOZOAN, GOBP_RESPONSE_TO_PROTOZOAN
                                                                                                                   GOBP_TRYPTOPHAN_CATABOLIC_PROCESS, GOBP_TRYPTOPHAN_CATABOLIC_PROCESS
                                                                                                                   REACTOME_KETONE_BODY_METABOLISM, REACTOME_KETONE_BODY_METABOLISM
                                                                                                                   REACTOME_LAMININ_INTERACTIONS, REACTOME_LAMININ_INTERACTIONS
                                                                                                                  GOBP_POSITIVE_REGULATION_OF_CELL_JUNCTION_ASSEMBLY, GOBP_POSITIVE_REGULATION_OF_CELL_JUNCTION_ASSEMBLY
                                                                                                                  HP_ABNORMALITY_OF_BLOOD_VOLUME_HOMEOSTASIS, HP_ABNORMALITY_OF_BLOOD_VOLUME_HOMEOSTASIS
                                                                                                                  GOBP_MODULATION_OF_EXCITATORY_POSTSYNAPTIC_POTENTIAL, GOBP_MODULATION_OF_EXCITATORY_POSTSYNAPTIC_POTENTIAL
                                                                                                                  HP_BUPHTHALMOS, HP_BUPHTHALMOS
                                                                                                                  GOMF_SOLUTE_CATION_SYMPORTER_ACTIVITY, GOMF_SOLUTE_CATION_SYMPORTER_ACTIVITY
                                                                                                                  HP_APLASIA_HYPOPLASIA_OF_METATARSAL_BONES, HP_APLASIA_HYPOPLASIA_OF_METATARSAL_BONES
                                                                                                                  GOBP_POSITIVE_REGULATION_OF_T_HELPER_CELL_DIFFERENTIATION, GOBP_POSITIVE_REGULATION_OF_T_HELPER_CELL_DIFFERENTIATION
                                                                                                                  GOBP_REGULATION_OF_PLATELET_AGGREGATION, GOBP_REGULATION_OF_PLATELET_AGGREGATION
                                                                                                                  PID_INTEGRIN3_PATHWAY, PID_INTEGRIN3_PATHWAY
                                                                                                                  GOBP_POSITIVE_REGULATION_OF_CD4_POSITIVE_ALPHA_BETA_T_CELL_DIFFERENTIATION, GOBP_POSITIVE_REGULATION_OF_CD4_POSITIVE_ALPHA_BETA_T_CELL_DIFFERENTIATION
                                                                                                                  SANDERSON PPARA TARGETS, SANDERSON PPARA TARGETS
                                                                                                                  WU_HBX_TARGETS_2_DN, WU_HBX_TARGETS_2_DN
                                                                                                                  GOBP_LYMPH_VESSEL_DEVELOPMENT, GOBP_LYMPH_VESSEL_DEVELOPMENT
                                                                                                                  HP LOBAR HOLOPROSENCEPHALY, HP LOBAR HOLOPROSENCEPHALY
                                                                                                                  NIKOLSKY_OVERCONNECTED_IN_BREAST_CANCER, NIKOLSKY_OVERCONNECTED_IN_BREAST_CANCER
                                                                                                                  HOLLERN_MICROACINAR_BREAST_TUMOR_UP, HOLLERN_MICROACINAR_BREAST_TUMOR_UP
                                                                                                                  GOBP_NEGATIVE_REGULATION_OF_CHOLESTEROL_STORAGE, GOBP_NEGATIVE_REGULATION_OF_CHOLESTEROL_STORAGE
                                                                                                                  GUTIERREZ WALDENSTROEMS MACROGLOBULINEMIA 1 DN, GUTIERREZ WALDENSTROEMS MACROGLOBULINEMIA 1 DN
                                                                                                                  HP_ULNAR_DEVIATION_OF_THE_HAND_OR_OF_FINGERS_OF_THE_HAND, HP_ULNAR_DEVIATION_OF_THE_HAND_OR_OF_FINGERS_OF_THE_HAND
                                                                                                                  GOBP_REGULATION_OF_SUPEROXIDE_ANION_GENERATION, GOBP_REGULATION_OF_SUPEROXIDE_ANION_GENERATION
                                                                                                                  HP_ASCENDING_AORTIC_DISSECTION, HP_ASCENDING_AORTIC_DISSECTION
                                                                                                                  HP_CLONIC_SEIZURE, HP_CLONIC_SEIZURE
                                                                                                                  HP KETONURIA, HP KETONURIA
                                                                                                                  GOMF_CHEMOKINE_BINDING, GOMF_CHEMOKINE_BINDING
                                                                                                                  HP_TALIPES_VALGUS, HP_TALIPES_VALGUS
                                                                                                                  HOLLEMAN_ASPARAGINASE_RESISTANCE_B_ALL_DN, HOLLEMAN_ASPARAGINASE_RESISTANCE_B_ALL_DN
                                                                                                                  GOBP_SKELETAL_MUSCLE_CELL_PROLIFERATION, GOBP_SKELETAL_MUSCLE_CELL_PROLIFERATION
                                                                                                                  GOBP_POSITIVE_REGULATION_OF_CELL_CELL_ADHESION_MEDIATED_BY_CADHERIN, GOBP_POSITIVE_REGULATION_OF_CELL_CELL_ADHESION_MEDIATED_BY_CADHERIN
                                                                                                                  HP_REDUCED_CIRCULATING_PROLACTIN_CONCENTRATION, HP_REDUCED_CIRCULATING_PROLACTIN_CONCENTRATION
                                                                                                                  GOBP_DENDRITIC_CELL_DIFFERENTIATION, GOBP_DENDRITIC_CELL_DIFFERENTIATION
                                                                                                                  REACTOME_SIGNALING_BY_NOTCH1_T_7_9_NOTCH1_M1580_K2555_TRANSLOCATION_MUTANT, REACTOME_SIGNALING_SIGNALING_SIGNALING
                                                                                                                  PID_EPHRINB_REV_PATHWAY, PID_EPHRINB_REV_PATHWAY
                                                                                                                   LEI_HOXC8_TARGETS_DN, LEI_HOXC8_TARGETS_DN
                                                                                                                   MIR132_5P, MIR132_5P
                                                                                                                  HP_ABNORMALITY_OF_THE_NASOLABIAL_REGION, HP_ABNORMALITY_OF_THE_NASOLABIAL_REGION
                                                                                                                   HP_URETHRAL_ATRESIA, HP_URETHRAL_ATRESIA
                                                                                                                  HP_PANCREATIC_FIBROSIS, HP_PANCREATIC_FIBROSIS
                                                                                                                   VETTER_TARGETS_OF_PRKCA_AND_ETS1_DN, VETTER_TARGETS_OF_PRKCA_AND_ETS1_DN
                                                                                                                   MIR6069, MIR6069
                                                                                                                   HP_TYPE_II_LISSENCEPHALY, HP_TYPE_II_LISSENCEPHALY
                                                                                                                  GOBP_HISTONE_H3_K36_METHYLATION, GOBP_HISTONE_H3_K36_METHYLATION
                                                                                                                   MATZUK_SPERMATOGONIA, MATZUK_SPERMATOGONIA
                                                                                                                  HP_LIMITED_NECK_RANGE_OF_MOTION, HP_LIMITED_NECK_RANGE_OF_MOTION
                                                                                                                   HP_ABNORMAL_CIRCULATING_ANDROGEN_LEVEL, HP_ABNORMAL_CIRCULATING_ANDROGEN_LEVEL
                                                                                                                   HP_MACROORCHIDISM, HP_MACROORCHIDISM
                                                                                                                   HP_CENTRAL_OPACIFICATION_OF_THE_CORNEA, HP_CENTRAL_OPACIFICATION_OF_THE_CORNEA
                                                                                                                   GOBP_REGULATION_OF_POSTSYNAPTIC_MEMBRANE_NEUROTRANSMITTER_RECEPTOR_LEVELS, GOBP_REGULATION_OF_POSTSYNAPTIC_MEMBRANE_NEUROTRANSMITTER_RECEPTOR_L
                                                                                                                   GOBP_EXTRAEMBRYONIC_MEMBRANE_DEVELOPMENT, GOBP_EXTRAEMBRYONIC_MEMBRANE_DEVELOPMENT
                                                                                                                  GOBP_RETINAL_GANGLION_CELL_AXON_GUIDANCE, GOBP_RETINAL_GANGLION_CELL_AXON_GUIDANCE
                                                                                                                   GUILLAUMOND_KLF10_TARGETS_UP, GUILLAUMOND_KLF10_TARGETS_UP
                                                                                                                   HP_ABNORMAL_PROLACTIN_LEVEL, HP_ABNORMAL_PROLACTIN_LEVEL
                                                                                                                  SETLUR_PROSTATE_CANCER_TMPRSS2_ERG_FUSION_DN, SETLUR_PROSTATE_CANCER_TMPRSS2_ERG_FUSION_DN
                                                                                                                  GOMF_SOLUTE_PROTON_SYMPORTER_ACTIVITY, GOMF_SOLUTE_PROTON_SYMPORTER_ACTIVITY
                                                                                                                   GOBP_MEMBRANE_DEPOLARIZATION_DURING_ACTION_POTENTIAL, GOBP_MEMBRANE_DEPOLARIZATION_DURING_ACTION_POTENTIAL
                                                                                                                   chr1q43, chr1q43
                                                                                                                   GSE19888 CTRL VS_A3R_ACTIVATION_MAST_CELL_DN, GSE19888 CTRL_VS_A3R_ACTIVATION_MAST_CELL_DN
                                                                                                                   GOBP_REGULATION_OF_GLUTAMATE_SECRETION, GOBP_REGULATION_OF_GLUTAMATE_SECRETION
                                                                                                                  chr2q24, chr2q24
                                                                                                                  GOBP_REGULATION_OF_CELL_CELL_ADHESION_MEDIATED_BY_CADHERIN, GOBP_REGULATION_OF_CELL_CELL_ADHESION_MEDIATED_BY_CADHERIN
                                                                                                                   WP_HYPERTROPHY_MODEL, WP_HYPERTROPHY_MODEL
                                                                                                                   HP_GERM_CELL_NEOPLASIA, HP_GERM_CELL_NEOPLASIA
                                                                                                                   GOBP_NEGATIVE_REGULATION_OF_T_CELL_MEDIATED_CYTOTOXICITY, GOBP_NEGATIVE_REGULATION_OF_T_CELL_MEDIATED_CYTOTOXICITY
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GSE29618 PRE VS DAY7 FLU VACCINE PDC DN, GSE29618 PRE VS DAY7 FLU VACCINE PDC DN

GSE17721_12H_VS_24H_GARDIQUIMOD_BMDC_DN, GSE17721_12H_VS_24H_GARDIQUIMOD_BMDC_DN

GSE29618_LAIV_VS_TIV_FLU_VACCINE_DAY7_PDC_UP, GSE29618_LAIV_VS_TIV_FLU_VACCINE_DAY7_PDC_UP

GSE29618_PRE_VS_DAY7_POST_LAIV_FLU_VACCINE_MONOCYTE_DN, GSE29618_PRE_VS_DAY7_POST_LAIV_FLU_VACCINE_MONOCYTE_DN

GSE17301_ACD3_ACD28_VS_ACD3_ACD28_AND_IFNA5_STIM_CD8_TCELL_DN, GSE17301_ACD3_ACD28_VS_ACD3_ACD28_AND_IFNA5_STIM_CD8_TCELL_DN