```
GSE3337_CTRL_VS_16H_IFNG_IN_CD8POS_DC_DN, GSE3337_CTRL_VS_16H_IFNG_IN_CD8POS_DC_DN
                                                                                                                  GSE17186 NAIVE VS CD21LOW TRANSITIONAL BCELL DN, GSE17186 NAIVE VS CD21LOW TRANSITIONAL BCELL DN
                                                                                                                   HALLMARK IL2 STAT5 SIGNALING, HALLMARK IL2 STAT5 SIGNALING
                                                                                                                   GSE15330_HSC_VS_GRANULOCYTE_MONOCYTE_PROGENITOR_IKAROS_KO_UP, GSE15330_HSC_VS_GRANULOCYTE_MONOCYTE_PROGENITOR_IKAROS_KO_UP
                                                                                                                  GSE10240_IL22_VS_IL22_AND_IL17_STIM_PRIMARY_BRONCHIAL_EPITHELIAL_CELLS_UP, GSE10240_IL22_VS_IL22_AND_IL17_STIM_PRIMARY_BRONCHIAL_EPITHELIAL_CELLS_UP
                                                                                                                  GSE21927_SPLEEN_MONOCYTE_VS_GMCSF_GCSF_BONE_MARROW_DN, GSE21927_SPLEEN_MONOCYTE_VS_GMCSF_GCSF_BONE_MARROW_DN
                                                                                                                  GSE43955_1H_VS_60H_ACT_CD4_TCELL_UP, GSE43955_1H_VS_60H_ACT_CD4_TCELL_UP
                                                                                                                  JOHNSTONE_PARVB_TARGETS_2_UP, JOHNSTONE_PARVB_TARGETS_2_UP
                                                                                                                  GSE15330 LYMPHOID MULTIPOTENT VS GRANULOCYTE MONOCYTE PROGENITOR IKAROS KO DN, GSE15330 LYMPHOID MULTIPOTENT VS GRANULOCYTE MONOCYTE PROGENITOR IKAROS KO DN
                                                                                                                  GSE21670_TGFB_VS_TGFB_AND_IL6_TREATED_STAT3_KO_CD4_TCELL_UP, GSE21670_TGFB_VS_TGFB_AND_IL6_TREATED_STAT3_KO_CD4_TCELL_UP
                                                                                                                  GSE2935 UV INACTIVATED VS LIVE SENDAI VIRUS INF MACROPHAGE DN, GSE2935 UV INACTIVATED VS LIVE SENDAI VIRUS INF MACROPHAGE DN
                                                                                                                  GSE42021_CD24HI_VS_CD24LOW_TCONV_THYMUS_UP, GSE42021_CD24HI_VS_CD24LOW_TCONV_THYMUS_UP
                                                                                                                   GSE21670_TGFB_VS_IL6_TREATED_STAT3_KO_CD4_TCELL_DN, GSE21670_TGFB_VS_IL6_TREATED_STAT3_KO_CD4_TCELL_DN
                                                                                                                  GSE339_EX_VIVO_VS_IN_CULTURE_CD4CD8DN_DC_DN, GSE339_EX_VIVO_VS_IN_CULTURE_CD4CD8DN_DC_DN
                                                                                                                  GSE17721_CTRL_VS_LPS_12H_BMDC_DN, GSE17721_CTRL_VS_LPS_12H_BMDC_DN
                                                                                                                  GSE12845 IGD NEG BLOOD VS NAIVE TONSIL BCELL DN, GSE12845 IGD NEG BLOOD VS NAIVE TONSIL BCELL DN
                                                                                                                  GSE23568_CTRL_TRANSDUCED_VS_WT_CD8_TCELL_DN, GSE23568_CTRL_TRANSDUCED_VS_WT_CD8_TCELL_DN
                                                                                                                  GSE12392_IFNAR_KO_VS_IFNB_KO_CD8_NEG_SPLEEN_DC_UP, GSE12392_IFNAR_KO_VS_IFNB_KO_CD8_NEG_SPLEEN_DC_UP
                                                                                                                  GSE37301_HEMATOPOIETIC_STEM_CELL_VS_RAG2_KO_NK_CELL_UP, GSE37301_HEMATOPOIETIC_STEM_CELL_VS_RAG2_KO_NK_CELL_UP
                                                                                                                  GSE40666_UNTREATED_VS_IFNA_STIM_EFFECTOR_CD8_TCELL_90MIN_UP, GSE40666_UNTREATED_VS_IFNA_STIM_EFFECTOR_CD8_TCELL_90MIN_UP
                                                                                                                  GSE14699_NAIVE_VS_DELETIONAL_TOLERANCE_CD8_TCELL_DN, GSE14699_NAIVE_VS_DELETIONAL_TOLERANCE_CD8_TCELL_DN
                                                                                                                  GSE15930_NAIVE_VS_72H_IN_VITRO_STIM_IL12_CD8_TCELL_UP, GSE15930_NAIVE_VS_72H_IN_VITRO_STIM_IL12_CD8_TCELL_UP
                                                                                                                  GSE33162_UNTREATED_VS_4H_LPS_STIM_HDAC3_HET_MACROPHAGE_DN, GSE33162_UNTREATED_VS_4H_LPS_STIM_HDAC3_HET_MACROPHAGE_DN
                                                                                                                  GSE21033_3H_VS_24H_POLYIC_STIM_DC_UP, GSE21033_3H_VS_24H_POLYIC_STIM_DC_UP
                                                                                                                  GSE20715 OH VS 48H OZONE TLR4 KO LUNG UP, GSE20715 OH VS 48H OZONE TLR4 KO LUNG UP
                                                                                                                  GSE43863_DAY6_EFF_VS_DAY150_MEM_TH1_CD4_TCELL_UP, GSE43863_DAY6_EFF_VS_DAY150_MEM_TH1_CD4_TCELL_UP
                                                                                                                  GSE37605_C57BL6_VS_NOD_FOXP3_IRES_GFP_TREG_DN, GSE37605_C57BL6_VS_NOD_FOXP3_IRES_GFP_TREG_DN
                                                                                                                  GSE8921_3H_VS_24H_TLR1_2_STIM_MONOCYTE_DN, GSE8921_3H_VS_24H_TLR1_2_STIM_MONOCYTE_DN
                                                                                                                  GSE15930_NAIVE_VS_48H_IN_VITRO_STIM_IL12_CD8_TCELL_UP, GSE15930_NAIVE_VS_48H_IN_VITRO_STIM_IL12_CD8_TCELL_UP
                                                                                                                  GSE20715_WT_VS_TLR4_KO_24H_OZONE_LUNG_UP, GSE20715_WT_VS_TLR4_KO_24H_OZONE_LUNG_UP
                                                                                                                  GSE15930 NAIVE VS 48H IN VITRO STIM IFNAB CD8 TCELL UP, GSE15930 NAIVE VS 48H IN VITRO STIM IFNAB CD8 TCELL UP
                                                                                                                  GSE46143_CTRL_VS_LMP2A_TRANSDUCED_CD10_POS_GC_BCELL_UP, GSE46143_CTRL_VS_LMP2A_TRANSDUCED_CD10_POS_GC_BCELL_UP
                                                                                                                  GSE21033_1H_VS_24H_POLYIC_STIM_DC_UP, GSE21033_1H_VS_24H_POLYIC_STIM_DC_UP
                                                                                                                  GSE15930 STIM VS STIM AND IFNAB 24H CD8 T CELL UP, GSE15930 STIM VS STIM AND IFNAB 24H CD8 T CELL UP
                                                                                                                  GSE41176_UNSTIM_VS_ANTI_IGM_STIM_BCELL_1H_UP, GSE41176_UNSTIM_VS_ANTI_IGM_STIM_BCELL_1H_UP
                                                                                                                  MIR186 3P, MIR186_3P
                                                                                                                  BAKKER_FOXO3_TARGETS_DN, BAKKER_FOXO3_TARGETS_DN
                                                                                                                  GSE6259_DEC205_POS_DC_VS_CD8_TCELL_DN, GSE6259_DEC205_POS_DC_VS_CD8_TCELL_DN
                                                                                                                  GSE39820_TGFBETA1_VS_TGFBETA3_IN_IL6_IL23A_TREATED_CD4_TCELL_DN, GSE39820_TGFBETA1_VS_TGFBETA3_IN_IL6_IL23A_TREATED_CD4_TCELL_DN
                                                                                                                  GSE39864_WT_VS_GATA3_KO_TREG_UP, GSE39864_WT_VS_GATA3_KO_TREG_UP
                                                                                                                  ODONNELL TARGETS OF MYC AND TFRC UP, ODONNELL TARGETS OF MYC AND TFRC UP
                                                                                                                  GSE2128_CTRL_VS_MIMETOPE_NEGATIVE_SELECTION_DP_THYMOCYTE_C57BL6_UP, GSE2128_CTRL_VS_MIMETOPE_NEGATIVE_SELECTION_DP_THYMOCYTE_C57BL6_UP
                                                                                                                  GSE15930_NAIVE_VS_48H_IN_VITRO_STIM_CD8_TCELL_UP, GSE15930_NAIVE_VS_48H_IN_VITRO_STIM_CD8_TCELL_UP
                                                                                                                  PID_BCR_5PATHWAY, PID_BCR_5PATHWAY
                                                                                                                  WP_PROLACTIN_SIGNALING_PATHWAY, WP_PROLACTIN_SIGNALING_PATHWAY
                                                                                                                  GSE21033_CTRL_VS_POLYIC_STIM_DC_6H_DN, GSE21033_CTRL_VS_POLYIC_STIM_DC_6H_DN
                                                                                                                  REACTOME_INTERLEUKIN_4_AND_INTERLEUKIN_13_SIGNALING, REACTOME_INTERLEUKIN_4_AND_INTERLEUKIN_13_SIGNALING
                                                                                                                  GSE26912_TUMORICIDAL_VS_CTRL_MACROPHAGE_UP, GSE26912_TUMORICIDAL_VS_CTRL_MACROPHAGE_UP
                                                                                                                  GSE1791_CTRL_VS_NEUROMEDINU_IN_T_CELL_LINE_3H_UP, GSE1791_CTRL_VS_NEUROMEDINU_IN_T_CELL_LINE_3H_UP
                                                                                                                  GCNP_SHH_UP_LATE.V1_DN, GCNP_SHH_UP_LATE.V1_DN
                                                                                                                  GOBP_NEGATIVE_REGULATION_OF_CELL_GROWTH, GOBP_NEGATIVE_REGULATION_OF_CELL_GROWTH
                                                                                                                  GSE22033_WT_VS_PPARG_KO_MEF_UP, GSE22033_WT_VS_PPARG_KO_MEF_UP
                                                                                                                  KIM_WT1_TARGETS_12HR_UP, KIM_WT1_TARGETS_12HR_UP
                                                                                                                  GSE43955_1H_VS_10H_ACT_CD4_TCELL_WITH_TGFB_IL6_DN, GSE43955_1H_VS_10H_ACT_CD4_TCELL_WITH_TGFB_IL6_DN
                                                                                                                  GSE36527_CD62L_HIGH_CD69_NEG_VS_CD62L_LOW_CD69_POS_TREG_KLRG1_NEG_DN, GSE36527_CD62L_HIGH_CD69_NEG_VS_CD62L_LOW_CD69_POS_TREG_KLRG1_NEG_DN
                                                                                                                  ESC_V6.5_UP_EARLY.V1_DN, ESC_V6.5_UP_EARLY.V1_DN
                                                                                                                  GOBP_REGULATION_OF_CELL_SIZE, GOBP_REGULATION_OF_CELL_SIZE
                                                                                                                   NAGASHIMA_EGF_SIGNALING_UP, NAGASHIMA_EGF_SIGNALING_UP
                                                                                                                   MODULE 345, MODULE 345
                                                                                                                   GSE17721_CPG_VS_GARDIQUIMOD_12H_BMDC_UP, GSE17721_CPG_VS_GARDIQUIMOD_12H_BMDC_UP
                                                                                                                   WP_TCELL_ANTIGEN_RECEPTOR_TCR_SIGNALING_PATHWAY, WP_TCELL_ANTIGEN_RECEPTOR_TCR_SIGNALING_PATHWAY
                                                                                                                   MORI_LARGE_PRE_BII_LYMPHOCYTE_DN, MORI_LARGE_PRE_BII_LYMPHOCYTE_DN
                                                                                                                  GGGNNTTTCC_NFKB_Q6_01, GGGNNTTTCC_NFKB_Q6_01
                                                                                                                  BEIER_GLIOMA_STEM_CELL_DN, BEIER_GLIOMA_STEM_CELL_DN
                                                                                                                  CSR LATE UP.V1 DN, CSR LATE UP.V1 DN
                                                                                                                   GOBP_NEGATIVE_REGULATION_OF_CELL_PROJECTION_ORGANIZATION, GOBP_NEGATIVE_REGULATION_OF_CELL_PROJECTION_ORGANIZATION
                                                                                                                   GSE12366 NAIVE VS MEMORY BCELL UP, GSE12366 NAIVE VS MEMORY BCELL UP
                                                                                                                   MIR4501, MIR4501
                                                                                                                   LEE_EARLY_T_LYMPHOCYTE_DN, LEE_EARLY_T_LYMPHOCYTE_DN
                                                                                                                   MENON_FETAL_KIDNEY_3_STROMAL_CELLS, MENON_FETAL_KIDNEY_3_STROMAL_CELLS
                                                                                                                   GSE22589_SIV_VS_HIV_AND_SIV_INFECTED_DC_UP, GSE22589_SIV_VS_HIV_AND_SIV_INFECTED_DC_UP
                                                                                                                   GOCC_PRESYNAPTIC_ACTIVE_ZONE, GOCC_PRESYNAPTIC_ACTIVE_ZONE
                                                                                                                   GOBP_NEGATIVE_REGULATION_OF_NEURON_PROJECTION_DEVELOPMENT, GOBP_NEGATIVE_REGULATION_OF_NEURON_PROJECTION_DEVELOPMENT
                                                                                                                   AMIT_EGF_RESPONSE_120_MCF10A, AMIT_EGF_RESPONSE_120_MCF10A
                                                                                                                   MIR4468, MIR4468
                                                                                                                   PID_IL2_1PATHWAY, PID_IL2_1PATHWAY
                                                                                                                   GOBP_REGULATION_OF_CALCIUM_ION_TRANSMEMBRANE_TRANSPORT, GOBP_REGULATION_OF_CALCIUM_ION_TRANSMEMBRANE_TRANSPORT
                                                                                                                   DESCARTES FETAL_ADRENAL_MEGAKARYOCYTES, DESCARTES_FETAL_ADRENAL_MEGAKARYOCYTES
                                                                                                                   GSE16450 IMMATURE VS MATURE NEURON CELL LINE 6H IFNA STIM UP, GSE16450 IMMATURE VS MATURE NEURON CELL LINE 6H IFNA STIM UP
                                                                                                                   WP_ALLOGRAFT_REJECTION, WP_ALLOGRAFT_REJECTION
                                                                                                                   WP_THE_HUMAN_IMMUNE_RESPONSE_TO_TUBERCULOSIS, WP_THE_HUMAN_IMMUNE_RESPONSE_TO_TUBERCULOSIS
                                                                                                                   HALLMARK_MYOGENESIS, HALLMARK_MYOGENESIS
                                                                                                                   REACTOME_INTERFERON_ALPHA_BETA_SIGNALING, REACTOME_INTERFERON_ALPHA_BETA_SIGNALING
                                                                                                                   GOBP_NEGATIVE_REGULATION_OF_DEVELOPMENTAL_GROWTH, GOBP_NEGATIVE_REGULATION_OF_DEVELOPMENTAL_GROWTH
                                                                                                                   HP_TYPE_I_DIABETES_MELLITUS, HP_TYPE_I_DIABETES_MELLITUS
                                                                                                                  LEE_LIVER_CANCER_MYC_E2F1_UP, LEE_LIVER_CANCER_MYC_E2F1_UP
                                                                                                                  WP_TCELL_ANTIGEN_RECEPTOR_TCR_PATHWAY_DURING_STAPHYLOCOCCUS_AUREUS_INFECTION, WP_TCELL_ANTIGEN_RECEPTOR_TCR_PATHWAY_DURING_STAPHYLOCOCCUS_AUREUS_INFECTION
                                                                                                                  GNF2_CASP4, GNF2_CASP4
                                                                                                                  DELASERNA MYOD TARGETS UP, DELASERNA MYOD TARGETS UP
ASONE TREATED THYMOCYTE UP, GSE5463 CTRL VS DEXAMETHASONE TREATED THYMOCYTE UP
                                                                                                                  · WP_REGULATORY_CIRCUITS_OF_THE_STAT3_SIGNALING_PATHWAY, WP_REGULATORY_CIRCUITS_OF_THE_STAT3_SIGNALING_PATHWAY
                                                                                                                  GOBP_ANTIGEN_PROCESSING_AND_PRESENTATION_OF_ENDOGENOUS_ANTIGEN, GOBP_ANTIGEN_PROCESSING_AND_PRESENTATION_OF_ENDOGENOUS_ANTIGEN
                                                                                                                   GOBP_REGULATION_OF_PHOSPHATIDYLINOSITOL_3_KINASE_ACTIVITY, GOBP_REGULATION_OF_PHOSPHATIDYLINOSITOL_3_KINASE_ACTIVITY
                                                                                                                   KHETCHOUMIAN_TRIM24_TARGETS_UP, KHETCHOUMIAN_TRIM24_TARGETS_UP
                                                                                                                   AMIT_DELAYED_EARLY_GENES, AMIT_DELAYED_EARLY_GENES
                                                                                                                   GOMF_CYTOKINE_RECEPTOR_ACTIVITY, GOMF_CYTOKINE_RECEPTOR_ACTIVITY
                                                                                                                   GSE13522_CTRL_VS_T_CRUZI_Y_STRAIN_INF_SKIN_BALBC_MOUSE_DN, GSE13522_CTRL_VS_T_CRUZI_Y_STRAIN_INF_SKIN_BALBC_MOUSE_DN
                                                                                                                   PID_EPO_PATHWAY, PID_EPO_PATHWAY
                                                                                                                   WP CARDIAC PROGENITOR DIFFERENTIATION, WP CARDIAC PROGENITOR DIFFERENTIATION
                                                                                                                   GOBP_INTERLEUKIN_7_MEDIATED_SIGNALING_PATHWAY, GOBP_INTERLEUKIN_7_MEDIATED_SIGNALING_PATHWAY
                                                                                                                   KEGG INTESTINAL IMMUNE NETWORK FOR IGA PRODUCTION, KEGG INTESTINAL IMMUNE NETWORK FOR IGA PRODUCTION
                                                                                                                   SAMOLS TARGETS OF KHSV MIRNAS DN, SAMOLS TARGETS OF KHSV MIRNAS DN
                                                                                                                   REACTOME_DOWNSTREAM_SIGNAL_TRANSDUCTION, REACTOME_DOWNSTREAM_SIGNAL_TRANSDUCTION
                                                                                                                   GOBP_RIBONUCLEOTIDE_CATABOLIC_PROCESS, GOBP_RIBONUCLEOTIDE_CATABOLIC_PROCESS
                                                                                                                   GOBP_REGULATION_OF_FATTY_ACID_BETA_OXIDATION, GOBP_REGULATION_OF_FATTY_ACID_BETA_OXIDATION
                                                                                                                   DURANTE_ADULT_OLFACTORY_NEUROEPITHELIUM_OLFACTORY_ENSHEATHING_GLIA, DURANTE_ADULT_OLFACTORY_NEUROEPITHELIUM_OLFACTORY_ENSHEATHING_GLIA
                                                                                                                   MIR1911_3P, MIR1911_3P
                                                                                                                   GOBP_AMINE_BIOSYNTHETIC_PROCESS, GOBP_AMINE_BIOSYNTHETIC_PROCESS
                                                                                                                   REACTOME GENERATION OF SECOND MESSENGER MOLECULES, REACTOME GENERATION OF SECOND MESSENGER MOLECULES
                                                                                                                   GOCC_T_TUBULE, GOCC_T_TUBULE
                                                                                                                   GOBP_EXTRACELLULAR_MATRIX_ASSEMBLY, GOBP_EXTRACELLULAR_MATRIX_ASSEMBLY
                                                                                                                   BIOCARTA_MHC_PATHWAY, BIOCARTA_MHC_PATHWAY
                                                                                                                   GOBP_NEGATIVE_REGULATION_OF_CALCIUM_MEDIATED_SIGNALING, GOBP_NEGATIVE_REGULATION_OF_CALCIUM_MEDIATED_SIGNALING
                                                                                                                   GOBP_CARDIAC_VENTRICLE_MORPHOGENESIS, GOBP_CARDIAC_VENTRICLE_MORPHOGENESIS
                                                                                                                  HP_EMG_DECREMENTAL_RESPONSE_OF_COMPOUND_MUSCLE_ACTION_POTENTIAL_TO_REPETITIVE_NERVE_STIMULATION, HP_EMG_DECREMENTAL_RESPONSE_OF_COMPOUND_MUSCLE_ACTION_POTENTIAL_TO_
                                                                                                                  GSE29614_CTRL_VS_TIV_FLU_VACCINE_PBMC_2007_UP, GSE29614_CTRL_VS_TIV_FLU_VACCINE_PBMC_2007_UP
                                                                                                                  BIOCARTA_TH1TH2_PATHWAY, BIOCARTA_TH1TH2_PATHWAY
                                                                                                                  HP_EMG_IMPAIRED_NEUROMUSCULAR_TRANSMISSION, HP_EMG_IMPAIRED_NEUROMUSCULAR_TRANSMISSION
                                                                                                                  CDX1_TARGET_GENES, CDX1_TARGET_GENES
                                                                                                                  GOBP_METANEPHROS_DEVELOPMENT, GOBP_METANEPHROS_DEVELOPMENT
                                                                                                                  GOBP_REGULATION_OF_FAT_CELL_DIFFERENTIATION, GOBP_REGULATION_OF_FAT_CELL_DIFFERENTIATION
                                                                                                                  WP_H19_ACTION_RBE2F1_SIGNALING_AND_CDKBETACATENIN_ACTIVITY, WP_H19_ACTION_RBE2F1_SIGNALING_AND_CDKBETACATENIN_ACTIVITY
                                                                                                                  HOFT_CD4_POSITIVE_ALPHA_BETA_MEMORY_T_CELL_BCG_VACCINE_AGE_18_45YO_ID_7DY_TOP_100_DEG_EX_VIVO_DN, HOFT_CD4_POSITIVE_ALPHA_BETA_MEMORY_T_CELL_BCG_VACCINE_AGE_18_45YO_ID_7DY_T
                                                                                                                  GOBP_REGULATION_OF_PROTEIN_DEUBIQUITINATION, GOBP_REGULATION_OF_PROTEIN_DEUBIQUITINATION
                                                                                                                  GOBP_NEGATIVE_REGULATION_OF_ADAPTIVE_IMMUNE_RESPONSE, GOBP_NEGATIVE_REGULATION_OF_ADAPTIVE_IMMUNE_RESPONSE
                                                                                                                  GOBP_REGULATION_OF_EXTRACELLULAR_MATRIX_ASSEMBLY, GOBP_REGULATION_OF_EXTRACELLULAR_MATRIX_ASSEMBLY
                                                                                                                  KIM_MYCL1_AMPLIFICATION_TARGETS_DN, KIM_MYCL1_AMPLIFICATION_TARGETS_DN
                                                                                                                  HP_URINARY_RETENTION, HP_URINARY_RETENTION
                                                                                                                  GOBP_POSITIVE_REGULATION_OF_EXTRACELLULAR_MATRIX_ORGANIZATION, GOBP_POSITIVE_REGULATION_OF_EXTRACELLULAR_MATRIX_ORGANIZATION
                                                                                                                  WP_PLATELETMEDIATED_INTERACTIONS_WITH_VASCULAR_AND_CIRCULATING_CELLS, WP_PLATELETMEDIATED_INTERACTIONS_WITH_VASCULAR_AND_CIRCULATING_CELLS
                                                                                                                  WOTTON_RUNX_TARGETS_UP, WOTTON_RUNX_TARGETS_UP
                                                                                                                  NIKOLSKY_OVERCONNECTED_IN_BREAST_CANCER, NIKOLSKY_OVERCONNECTED_IN_BREAST_CANCER
                                                                                                                  REACTOME_SIGNALING_BY_PDGFR_IN_DISEASE, REACTOME_SIGNALING_BY_PDGFR_IN_DISEASE
                                                                                                                  DURANTE_ADULT_OLFACTORY_NEUROEPITHELIUM_RESPIRATORY_HORIZONTAL_BASAL_CELLS, DURANTE_ADULT_OLFACTORY_NEUROEPITHELIUM_RESPIRATORY_HORIZONTAL_BASAL_CELLS
                                                                                                                  HP MITTEN DEFORMITY, HP MITTEN DEFORMITY
                                                                                                                  GOBP_NEGATIVE_REGULATION_OF_CALCINEURIN_MEDIATED_SIGNALING, GOBP_NEGATIVE_REGULATION_OF_CALCINEURIN_MEDIATED_SIGNALING
                                                                                                                  MIR517A_3P_MIR517B_3P_MIR517C_3P, MIR517A_3P_MIR517B_3P_MIR517C_3P
                                                                                                                  HP_ESOPHAGEAL_CARCINOMA, HP_ESOPHAGEAL_CARCINOMA
                                                                                                                  GOBP_CARDIAC_MUSCLE_TISSUE_MORPHOGENESIS, GOBP_CARDIAC_MUSCLE_TISSUE_MORPHOGENESIS
                                                                                                                  GOBP_REGULATION_OF_ACTIVATION_OF_JANUS_KINASE_ACTIVITY, GOBP_REGULATION_OF_ACTIVATION_OF_JANUS_KINASE_ACTIVITY
                                                                                                                  GOBP_MUSCLE_ORGAN_MORPHOGENESIS, GOBP_MUSCLE_ORGAN_MORPHOGENESIS
                                                                                                                  HP_ABNORMAL_DERMOEPIDERMAL_JUNCTION_MORPHOLOGY, HP_ABNORMAL_DERMOEPIDERMAL_JUNCTION_MORPHOLOGY
                                                                                                                  HP_APLASIA_HYPOPLASIA_OF_THE_BLADDER, HP_APLASIA_HYPOPLASIA_OF_THE_BLADDER
                                                                                                                  GOMF TAP BINDING, GOMF TAP BINDING
                                                                                                                  REACTOME_TYPE_I_HEMIDESMOSOME_ASSEMBLY, REACTOME_TYPE_I_HEMIDESMOSOME_ASSEMBLY
                                                                                                                  MURAKAMI_UV_RESPONSE_1HR_DN, MURAKAMI_UV_RESPONSE_1HR_DN
                                                                                                                  GOMF_TELETHONIN_BINDING, GOMF_TELETHONIN_BINDING
                                                                                                                  HP_JUNCTIONAL_SPLIT, HP_JUNCTIONAL_SPLIT
                                                                                                                  HANSON HRAS SIGNALING_VIA_NFKB, HANSON_HRAS_SIGNALING_VIA_NFKB
                                                                                                                  WANG_LSD1_TARGETS_UP, WANG_LSD1_TARGETS_UP
                                                                                                                  chr15q24, chr15q24
                                                                                                                  TRAYNOR_RETT_SYNDROM_UP, TRAYNOR_RETT_SYNDROM_UP
                                                                                                                  HP_URETEROCELE, HP_URETEROCELE
                                                                                                                  HERNANDEZ_MITOTIC_ARREST_BY_DOCETAXEL_1_UP, HERNANDEZ_MITOTIC_ARREST_BY_DOCETAXEL_1_UP
                                                                                                                  KYNG_WERNER_SYNDROM_DN, KYNG_WERNER_SYNDROM_DN
                                                                                                                  GOBP KIDNEY MESENCHYME DEVELOPMENT, GOBP KIDNEY MESENCHYME DEVELOPMENT
                                                                                                                  HP DECREASED CIRCULATING COPPER CONCENTRATION, HP DECREASED CIRCULATING COPPER CONCENTRATION
                                                                                                                  FINAK_BREAST_CANCER_SDPP_SIGNATURE, FINAK_BREAST_CANCER_SDPP_SIGNATURE
                                                                                                                  HP_MALNUTRITION, HP_MALNUTRITION
                                                                                                                  GOBP_METANEPHRIC_RENAL_VESICLE_MORPHOGENESIS, GOBP_METANEPHRIC_RENAL_VESICLE_MORPHOGENESIS
                                                                                                                  GOBP HEMIDESMOSOME ASSEMBLY, GOBP HEMIDESMOSOME ASSEMBLY
                                                                                                                  HP_POPLITEAL_PTERYGIUM, HP_POPLITEAL_PTERYGIUM
                                                                                                                  WP_TGFB_SIGNALING_IN_THYROID_CELLS_FOR_EPITHELIALMESENCHYMAL_TRANSITION, WP_TGFB_SIGNALING_IN_THYROID_CELLS_FOR_EPITHELIALMESENCHYMAL_TRANSITION
                                                                                                                  KYNG NORMAL AGING DN, KYNG NORMAL AGING DN
                                                                                                                  GOBP_NEURON_PROJECTION_EXTENSION_INVOLVED_IN_NEURON_PROJECTION_GUIDANCE, GOBP_NEURON_PROJECTION_EXTENSION_INVOLVED_IN_NEURON_PROJECTION_GUIDANCE
                                                                                                                  HP_HYPOPLASTIC_DERMOEPIDERMAL_HEMIDESMOSOMES, HP_HYPOPLASTIC_DERMOEPIDERMAL_HEMIDESMOSOMES
                                                                                                                  GOBP_REGULATION_OF_CARDIAC_MUSCLE_TISSUE_DEVELOPMENT, GOBP_REGULATION_OF_CARDIAC_MUSCLE_TISSUE_DEVELOPMENT
                                                                                                                  REACTOME ELEVATION OF CYTOSOLIC CA2 LEVELS, REACTOME ELEVATION OF CYTOSOLIC CA2 LEVELS
                                                                                                                  GOBP REGULATION OF MESENCHYMAL TO EPITHELIAL TRANSITION INVOLVED IN METANEPHROS MORPHOGENESIS, GOBP REGULATION OF MESENCHYMAL TO EPITHELIAL TRANSITION INVOLVED IN METANEPHROS MORPHOGENESIS, GOBP REGULATION OF MESENCHYMAL TO EPITHELIAL TRANSITION INVOLVED IN METANEPHROS MORPHOGENESIS, GOBP REGULATION OF MESENCHYMAL TO EPITHELIAL TRANSITION INVOLVED IN METANEPHROS MORPHOGENESIS, GOBP REGULATION OF MESENCHYMAL TO EPITHELIAL TRANSITION INVOLVED IN METANEPHROS MORPHOGENESIS, GOBP REGULATION OF MESENCHYMAL TO EPITHELIAL TRANSITION INVOLVED IN METANEPHROS MORPHOGENESIS, GOBP REGULATION OF MESENCHYMAL TO EPITHELIAL TRANSITION INVOLVED IN METANEPHROS MORPHOGENESIS, GOBP REGULATION OF MESENCHYMAL TO EPITHELIAL TRANSITION INVOLVED IN METANEPHROS MORPHOGENESIS, GOBP REGULATION OF MESENCHYMAL TO EPITHELIAL TRANSITION INVOLVED IN METANEPHROS MORPHOGENESIS, GOBP REGULATION OF MESENCHYMAL TO EPITHELIAL TRANSITION INVOLVED IN METANEPHROS MORPHOGENESIS, GOBP REGULATION OF MESENCHYMAL TO EPITHELIAL TRANSITION INVOLVED IN METANEPHROS MORPHOGENESIS, GOBP REGULATION OF MESENCHYMAL TO EPITHELIAL TRANSITION INVOLVED IN METANEPHROS MORPHOGENESIS, GOBP REGULATION OF MESENCHYMAL TO EPITHELIAL TRANSITION INVOLVED IN METANEPHROS MORPHOGENESIS, GOBP REGULATION OF MESENCHYMAL TO EPITHELIAL TRANSITION INVOLVED IN METANEPHROS MORPHOGENESIS.
                                                                                                                  GOBP_METANEPHRIC_NEPHRON_TUBULE_EPITHELIAL_CELL_DIFFERENTIATION, GOBP_METANEPHRIC_NEPHRON_TUBULE_EPITHELIAL_CELL_DIFFERENTIATION
                                                                                                                  GOBP_NEGATIVE_REGULATION_OF_WNT_SIGNALING_PATHWAY_INVOLVED_IN_HEART_DEVELOPMENT, GOBP_NEGATIVE_REGULATION_OF_WNT_SIGNALING_PATHWAY_INVOLVED_IN_HEART_DEVELOPMENT
                                                                                                                  GOBP_INTERLEUKIN_6_MEDIATED_SIGNALING_PATHWAY, GOBP_INTERLEUKIN_6_MEDIATED_SIGNALING_PATHWAY
                                                                                                                  GOBP_STEM_CELL_FATE_COMMITMENT, GOBP_STEM_CELL_FATE_COMMITMENT
                                                                                                                  BIOCARTA_NKT_PATHWAY, BIOCARTA_NKT_PATHWAY
                                                                                                                   GOBP ANTERIOR POSTERIOR AXON GUIDANCE, GOBP ANTERIOR POSTERIOR AXON GUIDANCE
                                                                                                                   GAO_LARGE_INTESTINE_24W_C4_PROM1LOW_PROGENITOR, GAO_LARGE_INTESTINE_24W_C4_PROM1LOW_PROGENITOR
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GOBP_ENDODERMAL_CELL_FATE_SPECIFICATION, GOBP_ENDODERMAL_CELL_FATE_SPECIFICATION

GOBP_REGULATION_OF_ENDOCRINE_PROCESS, GOBP_REGULATION_OF_ENDOCRINE_PROCESS

MAINA_VHL_TARGETS_DN, MAINA_VHL_TARGETS_DN

MODULE_267, MODULE_267

GOBP_MESENCHYMAL_TO_EPITHELIAL_TRANSITION, GOBP_MESENCHYMAL_TO_EPITHELIAL_TRANSITION

KEGG_GLYCOSPHINGOLIPID_BIOSYNTHESIS_LACTO_AND_NEOLACTO_SERIES, KEGG_GLYCOSPHINGOLIPID_BIOSYNTHESIS_LACTO_AND_NEOLACTO_SERIES

GOBP_MESENCHYMAL_TO_EPITHELIAL_TRANSITION_INVOLVED_IN_METANEPHROS_MORPHOGENESIS, GOBP_MESENCHYMAL_TO_EPITHELIAL_TRANSITION_INVOLVED_IN_METANEPHROS_MORPHOGENESIS

GSE22601_IMMATURE_CD4_SINGLE_POSITIVE_VS_CD4_SINGLE_POSITIVE_THYMOCYTE_UP, GSE22601_IMMATURE_CD4_SINGLE_POSITIVE_VS_CD4_SINGLE_POSITIVE_THYMOCYTE_UP

GSE16522 MEMORY_VS_NAIVE_CD8_TCELL_UP, GSE16522 MEMORY_VS_NAIVE_CD8_TCELL_UP

GSE43956_WT_VS_SGK1_KO_TH17_DIFFERENTIATED_CD4_TCELL_DN, GSE43956_WT_VS_SGK1_KO_TH17_DIFFERENTIATED_CD4_TCELL_DN

GSE369_PRE_VS_POST_IL6_INJECTION_IFNG_WT_LIVER_DN, GSE369_PRE_VS_POST_IL6_INJECTION_IFNG_WT_LIVER_DN