```
GSE3039_NKT_CELL_VS_ALPHABETA_CD8_TCELL_DN, GSE3039_NKT_CELL_VS_ALPHABETA_CD8_TCELL_DN
                                             GSE6674_ANTI_IGM_VS_CPG_STIM_BCELL_DN, GSE6674_ANTI_IGM_VS_CPG_STIM_BCELL_DN
                                             GOCC_PRERIBOSOME, GOCC_PRERIBOSOME
                                             GSE24142_ADULT_VS_FETAL_DN3_THYMOCYTE_UP, GSE24142_ADULT_VS_FETAL_DN3_THYMOCYTE_UP
                                             GSE5589_WT_VS_IL10_KO_LPS_AND_IL10_STIM_MACROPHAGE_45MIN_DN, GSE5589_WT_VS_IL10_KO_LPS_AND_IL10_STIM_MACROPHAGE_45MIN_DN
                                             GSE18281_SUBCAPSULAR_VS_CENTRAL_CORTICAL_REGION_OF_THYMUS_DN, GSE18281_SUBCAPSULAR_VS_CENTRAL_CORTICAL_REGION_OF_THYMUS_DN
                                             GSE42021_TCONV_PLN_VS_TREG_PRECURSORS_THYMUS_DN, GSE42021_TCONV_PLN_VS_TREG_PRECURSORS_THYMUS_DN
                                             GSE27434 WT VS DNMT1 KO TREG DN, GSE27434 WT VS DNMT1 KO TREG DN
                                             GSE43955_TH0_VS_TGFB_IL6_IL23_TH17_ACT_CD4_TCELL_60H_DN, GSE43955_TH0_VS_TGFB_IL6_IL23_TH17_ACT_CD4_TCELL_60H_DN
                                             GSE42021_TREG_PLN_VS_CD24HI_TREG_THYMUS_UP, GSE42021_TREG_PLN_VS_CD24HI_TREG_THYMUS_UP
                                             GSE39820_CTRL_VS_TGFBETA1_IL6_CD4_TCELL_UP, GSE39820_CTRL_VS_TGFBETA1_IL6_CD4_TCELL_UP
                                             GSE339_EX_VIVO_VS_IN_CULTURE_CD4POS_DC_DN, GSE339_EX_VIVO_VS_IN_CULTURE_CD4POS_DC_DN
                                             GSE19923_E2A_KO_VS_E2A_AND_HEB_KO_DP_THYMOCYTE_DN, GSE19923_E2A_KO_VS_E2A_AND_HEB_KO_DP_THYMOCYTE_DN
                                             GSE42021_CD24HI_TREG_VS_CD24HI_TCONV_THYMUS_DN, GSE42021_CD24HI_TREG_VS_CD24HI_TCONV_THYMUS_DN
                                             GSE9037 CTRL VS LPS 4H STIM IRAK4 KO BMDM DN, GSE9037 CTRL VS LPS 4H STIM IRAK4 KO BMDM DN
                                             GSE26488_WT_VS_HDAC7_DELTAP_TG_OT2_THYMOCYTE_WITH_PEPTIDE_INJECTION_DN, GSE26488_WT_VS_HDAC7_DELTAP_TG_OT2_THYMOCYTE_WITH_PEPTIDE_INJECTION_DN
                                             GSE17721_CTRL_VS_GARDIQUIMOD_6H_BMDC_DN, GSE17721_CTRL_VS_GARDIQUIMOD_6H_BMDC_DN
                                             GSE17721_CTRL_VS_CPG_24H_BMDC_DN, GSE17721_CTRL_VS_CPG_24H_BMDC_DN
                                             GSE24142_ADULT_VS_FETAL_DN2_THYMOCYTE_DN, GSE24142_ADULT_VS_FETAL_DN2_THYMOCYTE_DN
                                             GSE27670_CTRL_VS_BLIMP1_TRANSDUCED_GC_BCELL_DN, GSE27670_CTRL_VS_BLIMP1_TRANSDUCED_GC_BCELL_DN
                                             LANDIS_ERBB2_BREAST_TUMORS_324_UP, LANDIS_ERBB2_BREAST_TUMORS_324_UP
                                             GSE26912_TUMORICIDAL_VS_CTRL_MACROPHAGE_UP, GSE26912_TUMORICIDAL_VS_CTRL_MACROPHAGE_UP
                                             RB P130_DN.V1_DN, RB_P130_DN.V1_DN
                                             GSE1925_CTRL_VS_3H_IFNG_STIM_IFNG_PRIMED_MACROPHAGE_DN, GSE1925_CTRL_VS_3H_IFNG_STIM_IFNG_PRIMED_MACROPHAGE_DN
                                             MIR3688_5P, MIR3688_5P
                                             GSE43955_1H_VS_60H_ACT_CD4_TCELL_WITH_TGFB_IL6_DN, GSE43955_1H_VS_60H_ACT_CD4_TCELL_WITH_TGFB_IL6_DN
                                             GSE42021_TCONV_PLN_VS_CD24LO_TCONV_THYMUS_UP, GSE42021_TCONV_PLN_VS_CD24LO_TCONV_THYMUS_UP
                                             MIR4720_3P, MIR4720_3P
                                            IGLESIAS_E2F_TARGETS_UP, IGLESIAS_E2F_TARGETS_UP
                                            PID_FAK_PATHWAY, PID_FAK_PATHWAY
                                             CHIARADONNA_NEOPLASTIC_TRANSFORMATION_CDC25_UP, CHIARADONNA_NEOPLASTIC_TRANSFORMATION_CDC25_UP
                                            BYSTRYKH_HEMATOPOIESIS_STEM_CELL_AND_BRAIN_QTL_TRANS, BYSTRYKH_HEMATOPOIESIS_STEM_CELL_AND_BRAIN_QTL_TRANS
                                             AACTGAC_MIR223, AACTGAC_MIR223
                                             GOCC_90S_PRERIBOSOME, GOCC_90S_PRERIBOSOME
                                             GSE9650_NAIVE_VS_EXHAUSTED_CD8_TCELL_DN, GSE9650_NAIVE_VS_EXHAUSTED_CD8_TCELL_DN
                                             WP_ERBB_SIGNALING_PATHWAY, WP_ERBB_SIGNALING_PATHWAY
                                             GOTZMANN_EPITHELIAL_TO_MESENCHYMAL_TRANSITION_UP, GOTZMANN_EPITHELIAL_TO_MESENCHYMAL_TRANSITION_UP
                                             MIR1206, MIR1206
                                             GSE19888_CTRL_VS_A3R_ACT_TREATED_MAST_CELL_PRETREATED_WITH_A3R_INH_UP, GSE19888_CTRL_VS_A3R_ACT_TREATED_MAST_CELL_PRETREATED_WITH_A3R_INH_UP
                                             GOLDRATH IMMUNE MEMORY, GOLDRATH IMMUNE MEMORY
                                             GOMF_RNA_POLYMERASE_BINDING, GOMF_RNA_POLYMERASE_BINDING
                                             PID_IL2_1PATHWAY, PID_IL2_1PATHWAY
                                             MIR938, MIR938
                                             LUI_THYROID_CANCER_CLUSTER_1, LUI_THYROID_CANCER_CLUSTER_1
                                             HUMMERICH_SKIN_CANCER_PROGRESSION_UP, HUMMERICH_SKIN_CANCER_PROGRESSION_UP
                                             HP BASAL CELL CARCINOMA, HP BASAL CELL CARCINOMA
                                             CHIARADONNA_NEOPLASTIC_TRANSFORMATION_KRAS_CDC25_UP, CHIARADONNA_NEOPLASTIC_TRANSFORMATION_KRAS_CDC25_UP
                                             GOBP_HIPPO_SIGNALING, GOBP_HIPPO_SIGNALING
                                             HOFFMANN_PRE_BI_TO_LARGE_PRE_BII_LYMPHOCYTE_DN, HOFFMANN_PRE_BI_TO_LARGE_PRE_BII_LYMPHOCYTE_DN
                                             LUI_THYROID_CANCER_PAX8_PPARG_UP, LUI_THYROID_CANCER_PAX8_PPARG_UP
                                             REACTOME_SIGNALING_BY_MET, REACTOME_SIGNALING_BY_MET
                                             NADLER_HYPERGLYCEMIA_AT_OBESITY, NADLER_HYPERGLYCEMIA_AT_OBESITY
                                             MIR198, MIR198
                                             NAKAYAMA_FRA2_TARGETS, NAKAYAMA_FRA2_TARGETS
                                             LIANG_HEMATOPOIESIS_STEM_CELL_NUMBER_LARGE_VS_TINY_UP, LIANG_HEMATOPOIESIS_STEM_CELL_NUMBER_LARGE_VS_TINY_UP
                                             GGCKCATGS_UNKNOWN, GGCKCATGS_UNKNOWN
                                             GSE20366_EX_VIVO_VS_DEC205_CONVERSION_NAIVE_CD4_TCELL_DN, GSE20366_EX_VIVO_VS_DEC205_CONVERSION_NAIVE_CD4_TCELL_DN
                                             REACTOME_SIGNALING_BY_ERBB2, REACTOME_SIGNALING_BY_ERBB2
                                             MIR4298, MIR4298
                                             AKL_HTLV1_INFECTION_DN, AKL_HTLV1_INFECTION_DN
                                             WP_MESODERMAL_COMMITMENT_PATHWAY, WP_MESODERMAL_COMMITMENT_PATHWAY
                                             BOYLAN_MULTIPLE_MYELOMA_PCA3_UP, BOYLAN_MULTIPLE_MYELOMA_PCA3_UP
                                             WP_DEVELOPMENT_OF_URETERIC_COLLECTION_SYSTEM, WP_DEVELOPMENT_OF_URETERIC_COLLECTION_SYSTEM
                                             RIZ_ERYTHROID_DIFFERENTIATION_12HR, RIZ_ERYTHROID_DIFFERENTIATION_12HR
                                             XU_HGF_SIGNALING_NOT_VIA_AKT1_48HR_UP, XU_HGF_SIGNALING_NOT_VIA_AKT1_48HR_UP
                                             WP_SIGNALING_OF_HEPATOCYTE_GROWTH_FACTOR_RECEPTOR, WP_SIGNALING_OF_HEPATOCYTE_GROWTH_FACTOR_RECEPTOR
                                             EPPERT_CE_HSC_LSC, EPPERT_CE_HSC_LSC
                                            PID_ANGIOPOIETIN_RECEPTOR_PATHWAY, PID_ANGIOPOIETIN_RECEPTOR_PATHWAY
                                             WP_RAC1PAK1P38MMP2_PATHWAY, WP_RAC1PAK1P38MMP2_PATHWAY
                                             CHESLER_BRAIN_QTL_CIS, CHESLER_BRAIN_QTL_CIS
                                             WEIGEL_OXIDATIVE_STRESS_BY_HNE_AND_TBH, WEIGEL_OXIDATIVE_STRESS_BY_HNE_AND_TBH
                                             VANLOO_SP3_TARGETS_DN, VANLOO_SP3_TARGETS_DN
                                             REACTOME_EXTRA_NUCLEAR_ESTROGEN_SIGNALING, REACTOME_EXTRA_NUCLEAR_ESTROGEN_SIGNALING
                                             SIMBULAN_PARP1_TARGETS_UP, SIMBULAN_PARP1_TARGETS_UP
                                             GOBP_DNA_DOUBLE_STRAND_BREAK_PROCESSING, GOBP_DNA_DOUBLE_STRAND_BREAK_PROCESSING
                                             BIOCARTA_MET_PATHWAY, BIOCARTA_MET_PATHWAY
                                             GSE9650_GP33_VS_GP276_LCMV_SPECIFIC_EXHAUSTED_CD8_TCELL_UP, GSE9650_GP33_VS_GP276_LCMV_SPECIFIC_EXHAUSTED_CD8_TCELL_UP
                                             VALK_AML_CLUSTER_3, VALK_AML_CLUSTER_3
                                             HP_PITUITARY_ADENOMA, HP_PITUITARY_ADENOMA
                                             GSE34156_NOD2_LIGAND_VS_NOD2_AND_TLR1_TLR2_LIGAND_6H_TREATED_MONOCYTE_DN, GSE34156_NOD2_LIGAND_VS_NOD2_AND_TLR1_TLR2_LIGAND_6H_TREATED_MONOCYTE_DN
                                             GOBP_FORMATION_OF_PRIMARY_GERM_LAYER, GOBP_FORMATION_OF_PRIMARY_GERM_LAYER
                                             HUMMERICH_MALIGNANT_SKIN_TUMOR_UP, HUMMERICH_MALIGNANT_SKIN_TUMOR_UP
                                             HP_BACK_PAIN, HP_BACK_PAIN
                                             REACTOME_SIGNALING_BY_EGFR, REACTOME_SIGNALING_BY_EGFR
                                             REACTOME SIGNALING BY KIT IN DISEASE, REACTOME SIGNALING BY KIT IN DISEASE
                                             MIR6865_5P, MIR6865_5P
                                             MIR892B, MIR892B
                                             ZHANG_ANTIVIRAL_RESPONSE_TO_RIBAVIRIN_DN, ZHANG_ANTIVIRAL_RESPONSE_TO_RIBAVIRIN_DN
                                             MIR6815 5P, MIR6815 5P
                                             GOBP_CELL_CELL_JUNCTION_MAINTENANCE, GOBP_CELL_CELL_JUNCTION_MAINTENANCE
                                             GOBP_NOTOCHORD_DEVELOPMENT, GOBP_NOTOCHORD_DEVELOPMENT
                                             CHIBA_RESPONSE_TO_TSA, CHIBA_RESPONSE_TO_TSA
                                             CHESLER_BRAIN_HIGHEST_EXPRESSION, CHESLER_BRAIN_HIGHEST_EXPRESSION
                                             REACTOME_SIGNALING_BY_ERYTHROPOIETIN, REACTOME_SIGNALING_BY_ERYTHROPOIETIN
                                             PID_TCPTP_PATHWAY, PID_TCPTP_PATHWAY
                                             MIR6858_3P, MIR6858_3P
                                             POS_HISTAMINE_RESPONSE_NETWORK, POS_HISTAMINE_RESPONSE_NETWORK
                                             WP_BLADDER_CANCER, WP_BLADDER_CANCER
                                             BERENJENO_TRANSFORMED_BY_RHOA_FOREVER_DN, BERENJENO_TRANSFORMED_BY_RHOA_FOREVER_DN
                                             GHO ATF5 TARGETS UP, GHO ATF5 TARGETS UP
                                             GOBP_METANEPHRIC_EPITHELIUM_DEVELOPMENT, GOBP_METANEPHRIC_EPITHELIUM_DEVELOPMENT
                                             SCHMIDT_POR_TARGETS_IN_LIMB_BUD_UP, SCHMIDT_POR_TARGETS_IN_LIMB_BUD_UP
                                             MIR505_5P, MIR505_5P
                                             YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_9, YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_9
                                             PID_TRKR_PATHWAY, PID_TRKR_PATHWAY
                                             MIR1225_3P, MIR1225_3P
                                             GOBP_L_AMINO_ACID_TRANSPORT, GOBP_L_AMINO_ACID_TRANSPORT
                                             GENTILE_UV_LOW_DOSE_UP, GENTILE_UV_LOW_DOSE_UP
                                             GOBP_CELLULAR_COMPONENT_MAINTENANCE, GOBP_CELLULAR_COMPONENT_MAINTENANCE
                                             VALK AML CLUSTER 1, VALK AML CLUSTER 1
                                             GOMF_RNA_POLYMERASE_II_TRANSCRIPTION_COREPRESSOR_BINDING, GOMF_RNA_POLYMERASE_II_TRANSCRIPTION_COREPRESSOR_BINDING
                                             MURATA_VIRULENCE_OF_H_PILORI, MURATA_VIRULENCE_OF_H_PILORI
STEMNESS_UP, RAMALHO_STEMNESS_UP
                                             SEITZ_NEOPLASTIC_TRANSFORMATION_BY_8P_DELETION_DN, SEITZ_NEOPLASTIC_TRANSFORMATION_BY_8P_DELETION_DN
                                             HP_MILIA, HP_MILIA
                                             GROSS_ELK3_TARGETS_UP, GROSS_ELK3_TARGETS_UP
                                             GOBP_METANEPHRIC_TUBULE_DEVELOPMENT, GOBP_METANEPHRIC_TUBULE_DEVELOPMENT
                                             CONRAD_STEM_CELL, CONRAD_STEM_CELL
                                             GOMF_I_SMAD_BINDING, GOMF_I_SMAD_BINDING
                                             MATZUK_EMBRYONIC_GERM_CELL, MATZUK_EMBRYONIC_GERM_CELL
                                             CAIRO_PML_TARGETS_BOUND_BY_MYC_DN, CAIRO_PML_TARGETS_BOUND_BY_MYC_DN
                                             GOBP_SMAD_PROTEIN_COMPLEX_ASSEMBLY, GOBP_SMAD_PROTEIN_COMPLEX_ASSEMBLY
                                             REACTOME_SIGNALING_BY_HIPPO, REACTOME_SIGNALING_BY_HIPPO
                                             REACTOME_DOWNSTREAM_SIGNALING_OF_ACTIVATED_FGFR3, REACTOME_DOWNSTREAM_SIGNALING_OF_ACTIVATED_FGFR3
                                             STAEGE_EWING_FAMILY_TUMOR, STAEGE_EWING_FAMILY_TUMOR
                                             EN1_01, EN1_01
                                             REACTOME_PTK6_REGULATES_RHO_GTPASES_RAS_GTPASE_AND_MAP_KINASES, REACTOME_PTK6_REGULATES_RHO_GTPASES_RAS_GTPASE_AND_MAP_KINASES
                                             HP_SOMATIC_MOSAICISM, HP_SOMATIC_MOSAICISM
                                             GOBP_POSITIVE_REGULATION_BY_HOST_OF_VIRAL_TRANSCRIPTION, GOBP_POSITIVE_REGULATION_BY_HOST_OF_VIRAL_TRANSCRIPTION
                                             SWEET_KRAS_TARGETS_DN, SWEET_KRAS_TARGETS_DN
                                             REACTOME_SIGNALING_BY_FLT3_ITD_AND_TKD_MUTANTS, REACTOME_SIGNALING_BY_FLT3_ITD_AND_TKD_MUTANTS
                                             GOBP_REGULATION_OF_MEMBRANE_DEPOLARIZATION, GOBP_REGULATION_OF_MEMBRANE_DEPOLARIZATION
                                             GENTILE_UV_RESPONSE_CLUSTER_D1, GENTILE_UV_RESPONSE_CLUSTER_D1
                                             REACTOME_SIGNALING_BY_FLT3_FUSION_PROTEINS, REACTOME_SIGNALING_BY_FLT3_FUSION_PROTEINS
                                             GOBP_MAMMARY_GLAND_ALVEOLUS_DEVELOPMENT, GOBP_MAMMARY_GLAND_ALVEOLUS_DEVELOPMENT
                                             WP_FGF23_SIGNALLING_IN_HYPOPHOSPHATEMIC_RICKETS_AND_RELATED_DISORDERS, WP_FGF23_SIGNALLING_IN_HYPOPHOSPHATEMIC_RICKETS_AND_RELATED_DISORDERS
                                             YANAGIHARA_ESX1_TARGETS, YANAGIHARA_ESX1_TARGETS
                                             REACTOME_MET_ACTIVATES_PI3K_AKT_SIGNALING, REACTOME_MET_ACTIVATES_PI3K_AKT_SIGNALING
                                             GOBP_RESPONSE_TO_CORTICOSTERONE, GOBP_RESPONSE_TO_CORTICOSTERONE
                                             WP_MIR5093P_ALTERATION_OF_YAP1ECM_AXIS, WP_MIR5093P_ALTERATION_OF_YAP1ECM_AXIS
                                             COLLER_MYC_TARGETS_DN, COLLER_MYC_TARGETS_DN
                                             HP_RAPIDLY_PROGRESSIVE, HP_RAPIDLY_PROGRESSIVE
                                            REACTOME_DOWNSTREAM_SIGNALING_OF_ACTIVATED_FGFR2, REACTOME_DOWNSTREAM_SIGNALING_OF_ACTIVATED_FGFR2
                                             REACTOME_CELL_SURFACE_INTERACTIONS_AT_THE_VASCULAR_WALL, REACTOME_CELL_SURFACE_INTERACTIONS_AT_THE_VASCULAR_WALL
                                             REACTOME_DOWNSTREAM_SIGNALING_OF_ACTIVATED_FGFR4, REACTOME_DOWNSTREAM_SIGNALING_OF_ACTIVATED_FGFR4
                                             TURJANSKI_MAPK1_AND_MAPK2_TARGETS, TURJANSKI_MAPK1_AND_MAPK2_TARGETS
                                             HP_SCAPHOCEPHALY, HP_SCAPHOCEPHALY
                                             GOCC_CELL_CORTEX_REGION, GOCC_CELL_CORTEX_REGION
                                             REACTOME_SIGNALING_BY_FGFR4_IN_DISEASE, REACTOME_SIGNALING_BY_FGFR4_IN_DISEASE
                                             REACTOME_BASIGIN_INTERACTIONS, REACTOME_BASIGIN_INTERACTIONS
                                             GOBP_CELL_JUNCTION_MAINTENANCE, GOBP_CELL_JUNCTION_MAINTENANCE
                                             SINGH_NFE2L2_TARGETS, SINGH_NFE2L2_TARGETS
                                             GOBP_ADHERENS_JUNCTION_MAINTENANCE, GOBP_ADHERENS_JUNCTION_MAINTENANCE
                                             BIOCARTA AKT PATHWAY, BIOCARTA AKT PATHWAY
                                             GOBP_CELLULAR_RESPONSE_TO_UV_B, GOBP_CELLULAR_RESPONSE_TO_UV_B
                                             REACTOME SIGNALING BY FGFR3 FUSIONS IN CANCER, REACTOME SIGNALING BY FGFR3 FUSIONS IN CANCER
                                             REACTOME DOWNSTREAM SIGNALING OF ACTIVATED FGFR1, REACTOME DOWNSTREAM SIGNALING OF ACTIVATED FGFR1
                                             KANG_AR_TARGETS_DN, KANG_AR_TARGETS_DN
                                             GOMF_PROLINE_RICH_REGION_BINDING, GOMF_PROLINE_RICH_REGION_BINDING
                                             CASTELLANO HRAS AND NRAS TARGETS DN, CASTELLANO HRAS AND NRAS TARGETS DN
                                             GOBP_INTERLEUKIN_6_MEDIATED_SIGNALING_PATHWAY, GOBP_INTERLEUKIN_6_MEDIATED_SIGNALING_PATHWAY
                                             GOBP_RESPONSE_TO_MINERALOCORTICOID, GOBP_RESPONSE_TO_MINERALOCORTICOID
                                             HP_CAMPTODACTYLY_OF_TOE, HP_CAMPTODACTYLY_OF_TOE
                                             GOBP_CHEMOREPULSION_OF_AXON, GOBP_CHEMOREPULSION_OF_AXON
                                             NEWMAN_ERCC6_TARGETS_DN, NEWMAN_ERCC6_TARGETS_DN
                                             GOBP_KERATINOCYTE_PROLIFERATION, GOBP_KERATINOCYTE_PROLIFERATION
                                             GOBP EPITHELIAL TUBE BRANCHING INVOLVED IN LUNG MORPHOGENESIS, GOBP EPITHELIAL TUBE BRANCHING INVOLVED IN LUNG MORPHOGENESIS
                                             GOBP_POSITIVE_REGULATION_OF_CELL_CELL_ADHESION_MEDIATED_BY_CADHERIN, GOBP_POSITIVE_REGULATION_OF_CELL_CELL_ADHESION_MEDIATED_BY_CADHERIN
                                             REACTOME SIGNALING BY NTRK2 TRKB, REACTOME SIGNALING BY NTRK2 TRKB
                                             HP_XANTHOMATOSIS, HP_XANTHOMATOSIS
                                             HP_ABNORMAL_MUSCLE_FIBER_PROTEIN_EXPRESSION, HP_ABNORMAL_MUSCLE_FIBER_PROTEIN_EXPRESSION
                                            GOBP_POSITIVE_REGULATION_OF_SMOOTH_MUSCLE_CONTRACTION, GOBP_POSITIVE_REGULATION_OF_SMOOTH_MUSCLE_CONTRACTION
                                             MIKKELSEN_PARTIALLY_REPROGRAMMED_TO_PLURIPOTENCY, MIKKELSEN_PARTIALLY_REPROGRAMMED_TO_PLURIPOTENCY
                                             HP_BILATERAL_CLEFT_LIP_AND_PALATE, HP_BILATERAL_CLEFT_LIP_AND_PALATE
                                             GOBP_BUD_ELONGATION_INVOLVED_IN_LUNG_BRANCHING, GOBP_BUD_ELONGATION_INVOLVED_IN_LUNG_BRANCHING
                                             GOBP_RESPONSE_TO_ACETYLCHOLINE, GOBP_RESPONSE_TO_ACETYLCHOLINE
                                             HP_LOWER_LIMB_ASYMMETRY, HP_LOWER_LIMB_ASYMMETRY
                                             SANCHEZ_MDM2_TARGETS, SANCHEZ_MDM2_TARGETS
                                             HE_PTEN_TARGETS_UP, HE_PTEN_TARGETS_UP
                                             HP_HYPOMETRIC_SACCADES, HP_HYPOMETRIC_SACCADES
                                             GOBP_LATERAL_MESODERM_DEVELOPMENT, GOBP_LATERAL_MESODERM_DEVELOPMENT
                                             GOBP_DETECTION_OF_CELL_DENSITY, GOBP_DETECTION_OF_CELL_DENSITY
                                             MIR433 5P, MIR433 5P
                                             HP_EYELID_APRAXIA, HP_EYELID_APRAXIA
                                             GOBP_CELL_PROLIFERATION_IN_MIDBRAIN, GOBP_CELL_PROLIFERATION_IN_MIDBRAIN
                                             GOBP_REGULATION_OF_LYSOSOMAL_PROTEIN_CATABOLIC_PROCESS, GOBP_REGULATION_OF_LYSOSOMAL_PROTEIN_CATABOLIC_PROCESS
                                            HP_BILATERAL_CLEFT_LIP, HP_BILATERAL_CLEFT_LIP
                                            GOBP_POSITIVE_REGULATION_OF_HEMATOPOIETIC_STEM_CELL_PROLIFERATION, GOBP_POSITIVE_REGULATION_OF_HEMATOPOIETIC_STEM_CELL_PROLIFERATION
                                            DELACROIX_RAR_TARGETS_DN, DELACROIX_RAR_TARGETS_DN
                                             MCGOWAN_RSP6_TARGETS_DN, MCGOWAN_RSP6_TARGETS_DN
                                            ZFP28_TARGET_GENES, ZFP28_TARGET_GENES
                                             GSE13522_WT_VS_IFNG_KO_SKING_T_CRUZI_Y_STRAIN_INF_UP, GSE13522_WT_VS_IFNG_KO_SKING_T_CRUZI_Y_STRAIN_INF_UP
                                             GOBP_NEGATIVE_REGULATION_OF_INTERLEUKIN_6_MEDIATED_SIGNALING_PATHWAY, GOBP_NEGATIVE_REGULATION_OF_INTERLEUKIN_6_MEDIATED_SIGNALING_PATHWAY
                                             LE_SKI_TARGETS_DN, LE_SKI_TARGETS_DN
                                             REACTOME ACTIVATED NTRK2 SIGNALS THROUGH PI3K, REACTOME ACTIVATED NTRK2 SIGNALS THROUGH PI3K
                                            HP_DECREASED_LYMPHOCYTE_APOPTOSIS, HP_DECREASED_LYMPHOCYTE_APOPTOSIS
                                             GOBP_CHOLINE_CATABOLIC_PROCESS, GOBP_CHOLINE_CATABOLIC_PROCESS
                                             REACTOME_CHOLINE_CATABOLISM, REACTOME_CHOLINE_CATABOLISM
                                             CLIMENT_BREAST_CANCER_COPY_NUMBER_UP, CLIMENT_BREAST_CANCER_COPY_NUMBER_UP
                                             PID GLYPICAN 1PATHWAY, PID GLYPICAN 1PATHWAY
                                             REACTOME_APOPTOTIC_CLEAVAGE_OF_CELL_ADHESION_PROTEINS, REACTOME_APOPTOTIC_CLEAVAGE_OF_CELL_ADHESION_PROTEINS
                                             GOBP_REGULATION_OF_HEMATOPOIETIC_STEM_CELL_PROLIFERATION, GOBP_REGULATION_OF_HEMATOPOIETIC_STEM_CELL_PROLIFERATION
                                             WP_MAMMARY_GLAND_DEVELOPMENT_PATHWAY_EMBRYONIC_DEVELOPMENT_STAGE_1_OF_4, WP_MAMMARY_GLAND_DEVELOPMENT_PATHWAY_EMBRYONIC_DEVELOPMENT_STAGE_1_OF_4
                                             GOBP_CHOLINE_METABOLIC_PROCESS, GOBP_CHOLINE_METABOLIC_PROCESS
                                             GOBP_NEGATIVE_REGULATION_OF_MACROPHAGE_DIFFERENTIATION, GOBP_NEGATIVE_REGULATION_OF_MACROPHAGE_DIFFERENTIATION
                                             PYEON_HPV_POSITIVE_TUMORS_DN, PYEON_HPV_POSITIVE_TUMORS_DN
                                             GOBP_REGULATION_OF_KERATINOCYTE_PROLIFERATION, GOBP_REGULATION_OF_KERATINOCYTE_PROLIFERATION
                                             HP_MYOTONIA, HP_MYOTONIA
                                             GOBP_PYRIMIDINE_NUCLEOTIDE_SALVAGE, GOBP_PYRIMIDINE_NUCLEOTIDE_SALVAGE
                                             GOBP_POSITIVE_REGULATION_OF_BLOOD_BRAIN_BARRIER_PERMEABILITY, GOBP_POSITIVE_REGULATION_OF_BLOOD_BRAIN_BARRIER_PERMEABILITY
                                             BIOCARTA_MITR_PATHWAY, BIOCARTA_MITR_PATHWAY
                                             GOBP_PROTEIN_LOCALIZATION_TO_BICELLULAR_TIGHT_JUNCTION, GOBP_PROTEIN_LOCALIZATION_TO_BICELLULAR_TIGHT_JUNCTION
                                             WP VITAMIN B6DEPENDENT AND RESPONSIVE DISORDERS, WP VITAMIN B6DEPENDENT AND RESPONSIVE DISORDERS
                                             GOBP_LYSOSOMAL_MEMBRANE_ORGANIZATION, GOBP_LYSOSOMAL_MEMBRANE_ORGANIZATION
                                             GOMF_RNA_POLYMERASE_I_CORE_BINDING, GOMF_RNA_POLYMERASE_I_CORE_BINDING
                                             REACTOME YAP1 AND WWTR1 TAZ STIMULATED GENE EXPRESSION, REACTOME YAP1 AND WWTR1 TAZ STIMULATED GENE EXPRESSION
                                             HP_PAPILLARY_CYSTADENOMA_OF_THE_EPIDIDYMIS, HP_PAPILLARY_CYSTADENOMA_OF_THE_EPIDIDYMIS
                                             GOBP_REGULATION_OF_INTERLEUKIN_6_MEDIATED_SIGNALING_PATHWAY, GOBP_REGULATION_OF_INTERLEUKIN_6_MEDIATED_SIGNALING_PATHWAY
                                             HP_LIMBAL_DERMOID, HP_LIMBAL_DERMOID
                                             GOBP_NEGATIVE_REGULATION_OF_SCHWANN_CELL_PROLIFERATION, GOBP_NEGATIVE_REGULATION_OF_SCHWANN_CELL_PROLIFERATION
                                             GOBP_POSITIVE_REGULATION_OF_RECEPTOR_SIGNALING_PATHWAY_VIA_STAT, GOBP_POSITIVE_REGULATION_OF_RECEPTOR_SIGNALING_PATHWAY_VIA_STAT
                                             MASRI_RESISTANCE_TO_TAMOXIFEN_AND_AROMATASE_INHIBITORS_UP, MASRI_RESISTANCE_TO_TAMOXIFEN_AND_AROMATASE_INHIBITORS_UP
                                             GOBP_NEGATIVE_REGULATION_OF_EPITHELIAL_CELL_DIFFERENTIATION, GOBP_NEGATIVE_REGULATION_OF_EPITHELIAL_CELL_DIFFERENTIATION
                                             GOBP_ANTRAL_OVARIAN_FOLLICLE_GROWTH, GOBP_ANTRAL_OVARIAN_FOLLICLE_GROWTH
                                             GOBP_NEGATIVE_REGULATION_OF_T_CELL_DIFFERENTIATION_IN_THYMUS, GOBP_NEGATIVE_REGULATION_OF_T_CELL_DIFFERENTIATION_IN_THYMUS
                                             KEGG_ALPHA_LINOLENIC_ACID_METABOLISM, KEGG_ALPHA_LINOLENIC_ACID_METABOLISM
                                             CUI_DEVELOPING_HEART_LEFT_ATRIAL_CARDIOMYOCYTE, CUI_DEVELOPING_HEART_LEFT_ATRIAL_CARDIOMYOCYTE
                                             HP_SHALLOW_ANTERIOR_CHAMBER, HP_SHALLOW_ANTERIOR_CHAMBER
                                             GOBP_REGULATION_OF_PLATELET_DERIVED_GROWTH_FACTOR_RECEPTOR_BETA_SIGNALING_PATHWAY, GOBP_REGULATION_OF_PLATELET_DERIVED_GROWTH_FACTOR_RECEPTOR_BETA_SIGNALING_PATHWAY
                                             chr4q22, chr4q22
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GSE9960_GRAM_POS_VS_GRAM_NEG_AND_POS_SEPSIS_PBMC_UP, GSE9960_GRAM_POS_VS_GRAM_NEG_AND_POS_SEPSIS_PBMC_UP

GSE35685_CD34POS_CD38NEG_VS_CD34POS_CD10POS_BONE_MARROW_DN, GSE35685_CD34POS_CD38NEG_VS_CD34POS_CD10POS_BONE_MARROW_DN

GSE6674_UNSTIM_VS_ANTI_IGM_AND_CPG_STIM_BCELL_DN, GSE6674_UNSTIM_VS_ANTI_IGM_AND_CPG_STIM_BCELL_DN

GSE44649_NAIVE_VS_ACTIVATED_CD8_TCELL_MIR155_KO_UP, GSE44649_NAIVE_VS_ACTIVATED_CD8_TCELL_MIR155_KO_UP

GSE17721_LPS_VS_GARDIQUIMOD_6H_BMDC_DN, GSE17721_LPS_VS_GARDIQUIMOD_6H_BMDC_DN