```
GSE27786_NKTCELL_VS_MONO_MAC_UP, GSE27786_NKTCELL_VS_MONO_MAC_UP
                                                                                GSE27786_CD8_TCELL_VS_MONO_MAC_UP, GSE27786_CD8_TCELL_VS_MONO_MAC_UP
                                                                                GSE27786_NKTCELL_VS_NEUTROPHIL_UP, GSE27786_NKTCELL_VS_NEUTROPHIL_UP
                                                                                GSE27786_CD8_TCELL_VS_NEUTROPHIL_UP, GSE27786_CD8_TCELL_VS_NEUTROPHIL_UP
                                                                                GSE27786_CD4_TCELL_VS_MONO_MAC_UP, GSE27786_CD4_TCELL_VS_MONO_MAC_UP
                                                                                GSE27786_CD4_TCELL_VS_NEUTROPHIL_UP, GSE27786_CD4_TCELL_VS_NEUTROPHIL_UP
                                                                                GSE27786_LSK_VS_NEUTROPHIL_UP, GSE27786_LSK_VS_NEUTROPHIL_UP
                                                                                GSE27786_NKCELL_VS_MONO_MAC_UP, GSE27786_NKCELL_VS_MONO_MAC_UP
                                                                                GSE27786_BCELL_VS_NKCELL_UP, GSE27786_BCELL_VS_NKCELL_UP
                                                                                GSE27786_NKCELL_VS_NEUTROPHIL_UP, GSE27786_NKCELL_VS_NEUTROPHIL_UP
                                                                                GSE27786_BCELL_VS_ERYTHROBLAST_UP, GSE27786_BCELL_VS_ERYTHROBLAST_UP
                                                                                GSE27786_LIN_NEG_VS_NEUTROPHIL_UP, GSE27786_LIN_NEG_VS_NEUTROPHIL_UP
                                                                                GSE14308_NAIVE_CD4_TCELL_VS_NATURAL_TREG_DN, GSE14308_NAIVE_CD4_TCELL_VS_NATURAL_TREG_DN
                                                                                GSE27786_BCELL_VS_NKTCELL_UP, GSE27786_BCELL_VS_NKTCELL_UP
                                                                                GSE20366_EX_VIVO_VS_HOMEOSTATIC_CONVERSION_NAIVE_CD4_TCELL_UP, GSE20366_EX_VIVO_VS_HOMEOSTATIC_CONVERSION_NAIVE_CD4_TCELL_UP
                                                                                GSE21063_CTRL_VS_ANTI_IGM_STIM_BCELL_NFATC1_KO_16H_DN, GSE21063_CTRL_VS_ANTI_IGM_STIM_BCELL_NFATC1_KO_16H_DN
                                                                                GSE32423_IL7_VS_IL7_IL4_MEMORY_CD8_TCELL_DN, GSE32423_IL7_VS_IL7_IL4_MEMORY_CD8_TCELL_DN
                                                                                MIR4469, MIR4469
                                                                                GSE22443_NAIVE_VS_ACT_AND_IL12_TREATED_CD8_TCELL_DN, GSE22443_NAIVE_VS_ACT_AND_IL12_TREATED_CD8_TCELL_DN
                                                                                GOMF NUCLEAR RECEPTOR COACTIVATOR ACTIVITY, GOMF NUCLEAR RECEPTOR COACTIVATOR ACTIVITY
                                                                                MIR4633 5P, MIR4633 5P
                                                                                HP_DELAYED_CNS_MYELINATION, HP_DELAYED_CNS_MYELINATION
                                                                                MIR2278, MIR2278
                                                                                MIR4302, MIR4302
                                                                                GSE22025_UNTREATED_VS_TGFB1_TREATED_CD4_TCELL_DN, GSE22025_UNTREATED_VS_TGFB1_TREATED_CD4_TCELL_DN
                                                                                AGGAGTG_MIR483, AGGAGTG_MIR483
                                                                                GOBP_MORPHOGENESIS_OF_A_BRANCHING_STRUCTURE, GOBP_MORPHOGENESIS_OF_A_BRANCHING_STRUCTURE
                                                                                ACATATC_MIR190, ACATATC_MIR190
                                                                                REACTOME_TNFR1_INDUCED_NFKAPPAB_SIGNALING_PATHWAY, REACTOME_TNFR1_INDUCED_NFKAPPAB_SIGNALING_PATHWAY
                                                                                HP_MALIGNANT_NEOPLASM_OF_THE_CENTRAL_NERVOUS_SYSTEM, HP_MALIGNANT_NEOPLASM_OF_THE_CENTRAL_NERVOUS_SYSTEM
                                                                                REACTOME_TNF_SIGNALING, REACTOME_TNF_SIGNALING
                                                                                HP_GONADAL_NEOPLASM, HP_GONADAL_NEOPLASM
                                                                                HINATA_NFKB_TARGETS_FIBROBLAST_UP, HINATA_NFKB_TARGETS_FIBROBLAST_UP
                                                                                GOBP_INTRACILIARY_TRANSPORT_INVOLVED_IN_CILIUM_ASSEMBLY, GOBP_INTRACILIARY_TRANSPORT_INVOLVED_IN_CILIUM_ASSEMBLY
                                                                                ROY_WOUND_BLOOD_VESSEL_UP, ROY_WOUND_BLOOD_VESSEL_UP
                                                                                GOBP_NEGATIVE_REGULATION_OF_TYPE_I_INTERFERON_PRODUCTION, GOBP_NEGATIVE_REGULATION_OF_TYPE_I_INTERFERON_PRODUCTION
                                                                                GOBP_RESPONSE_TO_TYPE_I_INTERFERON, GOBP_RESPONSE_TO_TYPE_I_INTERFERON
                                                                                GOBP_BRANCHING_MORPHOGENESIS_OF_AN_EPITHELIAL_TUBE, GOBP_BRANCHING_MORPHOGENESIS_OF_AN_EPITHELIAL_TUBE
                                                                                MIR3189_3P, MIR3189_3P
                                                                                GRE_C, GRE_C
                                                                                NIKOLSKY MUTATED AND AMPLIFIED IN BREAST CANCER, NIKOLSKY MUTATED AND AMPLIFIED IN BREAST CANCER
                                                                                GSE8921_UNSTIM_0H_VS_TLR1_2_STIM_MONOCYTE_24H_UP, GSE8921_UNSTIM_0H_VS_TLR1_2_STIM_MONOCYTE_24H_UP
                                                                                GOBP_PLACENTA_DEVELOPMENT, GOBP_PLACENTA_DEVELOPMENT
                                                                                HP_SPASTIC_DYSARTHRIA, HP_SPASTIC_DYSARTHRIA
                                                                                NAKAYA_PBMC_FLUMIST_AGE_18_50YO_7DY_IFN_SUBSET_UP, NAKAYA_PBMC_FLUMIST_AGE_18_50YO_7DY_IFN_SUBSET_UP
                                                                                GOBP_ENDODERM_FORMATION, GOBP_ENDODERM_FORMATION
                                                                                GTAAGAT_MIR200A, GTAAGAT_MIR200A
                                                                                HP_NEOPLASM_OF_THE_RESPIRATORY_SYSTEM, HP_NEOPLASM_OF_THE_RESPIRATORY_SYSTEM
                                                                                REACTOME REGULATION OF TNFR1 SIGNALING, REACTOME REGULATION OF TNFR1 SIGNALING
                                                                                HP_APLASIA_HYPOPLASIA_INVOLVING_THE_PELVIS, HP_APLASIA_HYPOPLASIA_INVOLVING_THE_PELVIS
                                                                                GOBP_SERINE_FAMILY_AMINO_ACID_METABOLIC_PROCESS, GOBP_SERINE_FAMILY_AMINO_ACID_METABOLIC_PROCESS
                                                                                GOBP_NEGATIVE_REGULATION_OF_VIRAL_GENOME_REPLICATION, GOBP_NEGATIVE_REGULATION_OF_VIRAL_GENOME_REPLICATION
                                                                                TERT_TARGET_GENES, TERT_TARGET_GENES
                                                                                MEIS1BHOXA9_01, MEIS1BHOXA9_01
                                                                                GOBP_EMBRYONIC_PLACENTA_DEVELOPMENT, GOBP_EMBRYONIC_PLACENTA_DEVELOPMENT
                                                                                HP BASAL CELL CARCINOMA, HP BASAL CELL CARCINOMA
                                                                                GOBP_ENDODERM_DEVELOPMENT, GOBP_ENDODERM_DEVELOPMENT
                                                                                HP_GLIOMA, HP_GLIOMA
                                                                                GOBP_REGULATION_OF_ANDROGEN_RECEPTOR_SIGNALING_PATHWAY, GOBP_REGULATION_OF_ANDROGEN_RECEPTOR_SIGNALING_PATHWAY
                                                                                GSE22025_UNTREATED_VS_TGFB1_AND_PROGESTERONE_TREATED_CD4_TCELL_DN, GSE22025_UNTREATED_VS_TGFB1_AND_PROGESTERONE_TREATED_CD4_TCELL_DN
                                                                                WP_TNF_RELATED_WEAK_INDUCER_OF_APOPTOSIS_TWEAK_SIGNALING_PATHWAY, WP_TNF_RELATED_WEAK_INDUCER_OF_APOPTOSIS_TWEAK_SIGNALING_PATHWAY
                                                                                BREDEMEYER_RAG_SIGNALING_NOT_VIA_ATM_UP, BREDEMEYER_RAG_SIGNALING_NOT_VIA_ATM_UP
                                                                                MIR1285_5P, MIR1285_5P
                                                                                HP_OVARIAN_NEOPLASM, HP_OVARIAN_NEOPLASM
                                                                                MIR6759_5P, MIR6759_5P
                                                                                GOCC_INTRACILIARY_TRANSPORT_PARTICLE_B, GOCC_INTRACILIARY_TRANSPORT_PARTICLE_B
                                                                                GOBP_CELL_CELL_JUNCTION_ASSEMBLY, GOBP_CELL_CELL_JUNCTION_ASSEMBLY
                                                                                HP_PROGRESSIVE_GAIT_ATAXIA, HP_PROGRESSIVE_GAIT_ATAXIA
                                                                                GOBP_REGULATION_OF_EPIDERMIS_DEVELOPMENT, GOBP_REGULATION_OF_EPIDERMIS_DEVELOPMENT
                                                                                GSE46606_UNSTIM_VS_CD40L_IL2_IL5_1DAY_STIMULATED_IRF4MID_SORTED_BCELL_DN, GSE46606_UNSTIM_VS_CD40L_IL2_IL5_1DAY_STIMULATED_IRF4MID_SORTED_BCELL_DN
                                                                                YANAGIHARA_ESX1_TARGETS, YANAGIHARA_ESX1_TARGETS
                                                                                MIR625_3P, MIR625_3P
                                                                                GOCC_NSL_COMPLEX, GOCC_NSL_COMPLEX
                                                                                MIR296_5P, MIR296_5P
                                                                                GOBP_REGULATION_OF_EPITHELIAL_CELL_DIFFERENTIATION, GOBP_REGULATION_OF_EPITHELIAL_CELL_DIFFERENTIATION
                                                                                HP_MORPHOLOGICAL_ABNORMALITY_OF_THE_MIDDLE_EAR, HP_MORPHOLOGICAL_ABNORMALITY_OF_THE_MIDDLE_EAR
                                                                                MIR1298_5P, MIR1298_5P
                                                                                GOBP POSITIVE REGULATION OF PHOSPHATIDYLINOSITOL 3 KINASE SIGNALING, GOBP POSITIVE REGULATION OF PHOSPHATIDYLINOSITOL 3 KINASE SIGNALING
                                                                                GOCC_CONTRACTILE_RING, GOCC_CONTRACTILE_RING
                                                                                REACTOME_RND1_GTPASE_CYCLE, REACTOME_RND1_GTPASE_CYCLE
                                                                                MIR4999_3P, MIR4999_3P
                                                                                GOBP POSITIVE REGULATION OF INTERFERON ALPHA PRODUCTION, GOBP POSITIVE REGULATION OF INTERFERON ALPHA PRODUCTION
                                                                                KEGG_BASAL_CELL_CARCINOMA, KEGG_BASAL_CELL_CARCINOMA
                                                                                HP_APLASIA_HYPOPLASIA_OF_THE_FEMUR, HP_APLASIA_HYPOPLASIA_OF_THE_FEMUR
                                                                                AZARE_STAT3_TARGETS, AZARE_STAT3_TARGETS
                                                                                TTCCGTT_MIR191, TTCCGTT_MIR191
                                                                                DORN_ADENOVIRUS_INFECTION_32HR_DN, DORN_ADENOVIRUS_INFECTION_32HR_DN
                                                                                KEGG_CYTOSOLIC_DNA_SENSING_PATHWAY, KEGG_CYTOSOLIC_DNA_SENSING_PATHWAY
                                                                                GOBP_SPINAL_CORD_MOTOR_NEURON_DIFFERENTIATION, GOBP_SPINAL_CORD_MOTOR_NEURON_DIFFERENTIATION
                                                                                GOBP_PLACENTA_BLOOD_VESSEL_DEVELOPMENT, GOBP_PLACENTA_BLOOD_VESSEL_DEVELOPMENT
                                                                                HP_EPENDYMOMA, HP_EPENDYMOMA
                                                                                REACTOME_TRAF6_MEDIATED_NF_KB_ACTIVATION, REACTOME_TRAF6_MEDIATED_NF_KB_ACTIVATION
                                                                                HP_ADENOMATOUS_COLONIC_POLYPOSIS, HP_ADENOMATOUS_COLONIC_POLYPOSIS
                                                                                GOCC LAMELLIPODIUM MEMBRANE, GOCC LAMELLIPODIUM MEMBRANE
                                                                                REACTOME_NF_KB_ACTIVATION_THROUGH_FADD_RIP_1_PATHWAY_MEDIATED_BY_CASPASE_8_AND_10, REACTOME_NF_KB_ACTIVATION_THROUGH_FADD_RIP_1_PATHWAY_MEDIATED_BY_CASPASE_8_AND_10
                                                                                SHIN B CELL LYMPHOMA CLUSTER 7, SHIN B CELL LYMPHOMA CLUSTER 7
                                                                                HP_SHYNESS, HP_SHYNESS
                                                                                GOBP EMBRYONIC EYE MORPHOGENESIS, GOBP EMBRYONIC EYE MORPHOGENESIS
                                                                                GOBP_REGULATION_OF_RESPONSE_TO_OXIDATIVE_STRESS, GOBP_REGULATION_OF_RESPONSE_TO_OXIDATIVE_STRESS
                                                                                HP_URINARY_URGENCY, HP_URINARY_URGENCY
                                                                                HP_POLYPHAGIA, HP_POLYPHAGIA
                                                                                HP_UNUSUAL_FUNGAL_INFECTION, HP_UNUSUAL_FUNGAL_INFECTION
                                                                                HP_ABNORMAL_EATING_BEHAVIOR, HP_ABNORMAL_EATING_BEHAVIOR
                                                                                HP_INCREASED_ARM_SPAN, HP_INCREASED_ARM_SPAN
                                                                                HP_ABNORMAL_CONSUMPTION_BEHAVIOR, HP_ABNORMAL_CONSUMPTION_BEHAVIOR
                                                                                GOBP_VASCULAR_ASSOCIATED_SMOOTH_MUSCLE_CELL_DIFFERENTIATION, GOBP_VASCULAR_ASSOCIATED_SMOOTH_MUSCLE_CELL_DIFFERENTIATION
                                                                                REACTOME_DISEASES_OF_DNA_REPAIR, REACTOME_DISEASES_OF_DNA_REPAIR
                                                                                GOBP_BIOTIN_METABOLIC_PROCESS, GOBP_BIOTIN_METABOLIC_PROCESS
                                                                                GOBP_EMBRYONIC_CAMERA_TYPE_EYE_DEVELOPMENT, GOBP_EMBRYONIC_CAMERA_TYPE_EYE_DEVELOPMENT
                                                                                GOBP_POSITIVE_REGULATION_OF_CIRCADIAN_RHYTHM, GOBP_POSITIVE_REGULATION_OF_CIRCADIAN_RHYTHM
                                                                                GILMORE_CORE_NFKB_PATHWAY, GILMORE_CORE_NFKB_PATHWAY
                                                                                GOBP_REGULATION_OF_RAC_PROTEIN_SIGNAL_TRANSDUCTION, GOBP_REGULATION_OF_RAC_PROTEIN_SIGNAL_TRANSDUCTION
                                                                                GCM_HMGA2, GCM_HMGA2
                                                                                MIR4313, MIR4313
                                                                                HP_ABNORMAL_ARM_SPAN, HP_ABNORMAL_ARM_SPAN
                                                                                GOBP_L_SERINE_METABOLIC_PROCESS, GOBP_L_SERINE_METABOLIC_PROCESS
                                                                                GOBP_PHOSPHATIDYLSERINE_METABOLIC_PROCESS, GOBP_PHOSPHATIDYLSERINE_METABOLIC_PROCESS
                                                                                GOBP_BRANCHING_INVOLVED_IN_SALIVARY_GLAND_MORPHOGENESIS, GOBP_BRANCHING_INVOLVED_IN_SALIVARY_GLAND_MORPHOGENESIS
                                                                                GOBP_POSITIVE_REGULATION_OF_OLIGODENDROCYTE_DIFFERENTIATION, GOBP_POSITIVE_REGULATION_OF_OLIGODENDROCYTE_DIFFERENTIATION
                                                                                GOBP_SPINAL_CORD_DEVELOPMENT, GOBP_SPINAL_CORD_DEVELOPMENT
                                                                                GOBP_INTERFERON_ALPHA_PRODUCTION, GOBP_INTERFERON_ALPHA_PRODUCTION
                                                                                GOMF_TRANSFERRIN_RECEPTOR_BINDING, GOMF_TRANSFERRIN_RECEPTOR_BINDING
                                                                                HP_GLIOBLASTOMA_MULTIFORME, HP_GLIOBLASTOMA_MULTIFORME
                                                                                GOCC_CD40_RECEPTOR_COMPLEX, GOCC_CD40_RECEPTOR_COMPLEX
                                                                                GSE7218_UNSTIM_VS_ANTIGEN_STIM_THROUGH_IGM_BCELL_DN, GSE7218_UNSTIM_VS_ANTIGEN_STIM_THROUGH_IGM_BCELL_DN
                                                                                GOBP_PYRUVATE_BIOSYNTHETIC_PROCESS, GOBP_PYRUVATE_BIOSYNTHETIC_PROCESS
                                                                                ZNF445_TARGET_GENES, ZNF445_TARGET_GENES
                                                                                HP_ANARTHRIA, HP_ANARTHRIA
                                                                                TIAN_TNF_SIGNALING_NOT_VIA_NFKB, TIAN_TNF_SIGNALING_NOT_VIA_NFKB
                                                                                GOBP_VENTRAL_SPINAL_CORD_DEVELOPMENT, GOBP_VENTRAL_SPINAL_CORD_DEVELOPMENT
                                                                                GOBP_CELL_FATE_DETERMINATION, GOBP_CELL_FATE_DETERMINATION
                                                                                HP_MEDULLOBLASTOMA, HP_MEDULLOBLASTOMA
                                                                                BIOCARTA_PITX2_PATHWAY, BIOCARTA_PITX2_PATHWAY
                                                                                GSE5589_WT_VS_IL6_KO_LPS_AND_IL10_STIM_MACROPHAGE_180MIN_UP, GSE5589_WT_VS_IL6_KO_LPS_AND_IL10_STIM_MACROPHAGE_180MIN_UP
                                                                                TRAVAGLINI_LUNG_VEIN_CELL, TRAVAGLINI_LUNG_VEIN_CELL
                                                                                MIR3936, MIR3936
                                                                                HP_APLASIA_HYPOPLASIA_OF_THE_NASAL_SEPTUM, HP_APLASIA_HYPOPLASIA_OF_THE_NASAL_SEPTUM
                                                                                REACTOME_RRNA_MODIFICATION_IN_THE_MITOCHONDRION, REACTOME_RRNA_MODIFICATION_IN_THE_MITOCHONDRION
ELL_VS_NEUTROPHIL_UP, GSE27786_BCELL_VS_NEUTROPHIL_UP
                                                                                GOBP_REGULATION_OF_KERATINOCYTE_DIFFERENTIATION, GOBP_REGULATION_OF_KERATINOCYTE_DIFFERENTIATION
                                                                                chr1p35, chr1p35
                                                                                HP_GERM_CELL_NEOPLASIA, HP_GERM_CELL_NEOPLASIA
                                                                                GOBP_NEGATIVE_REGULATION_OF_ANDROGEN_RECEPTOR_SIGNALING_PATHWAY, GOBP_NEGATIVE_REGULATION_OF_ANDROGEN_RECEPTOR_SIGNALING_PATHWAY
                                                                                GOBP_EMBRYONIC_PLACENTA_MORPHOGENESIS, GOBP_EMBRYONIC_PLACENTA_MORPHOGENESIS
                                                                                GOBP_COMMISSURAL_NEURON_AXON_GUIDANCE, GOBP_COMMISSURAL_NEURON_AXON_GUIDANCE
                                                                                GOBP_RETINA_VASCULATURE_MORPHOGENESIS_IN_CAMERA_TYPE_EYE, GOBP_RETINA_VASCULATURE_MORPHOGENESIS_IN_CAMERA_TYPE_EYE
                                                                                REACTOME_BIOTIN_TRANSPORT_AND_METABOLISM, REACTOME_BIOTIN_TRANSPORT_AND_METABOLISM
                                                                                GOBP_NEGATIVE_REGULATION_OF_EPITHELIAL_CELL_APOPTOTIC_PROCESS, GOBP_NEGATIVE_REGULATION_OF_EPITHELIAL_CELL_APOPTOTIC_PROCESS
                                                                                WP_PHOTODYNAMIC_THERAPYINDUCED_NFKB_SURVIVAL_SIGNALING, WP_PHOTODYNAMIC_THERAPYINDUCED_NFKB_SURVIVAL_SIGNALING
                                                                                HP_HEAD_TITUBATION, HP_HEAD_TITUBATION
                                                                                GOBP_POSITIVE_REGULATION_OF_CELL_MIGRATION_BY_VASCULAR_ENDOTHELIAL_GROWTH_FACTOR_SIGNALING_PATHWAY, GOBP_POSITIVE_REGULATION_FACTOR_SIGNALING_PATHWAY, GOBP_POSITIVE_REGULATION_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR
                                                                                HP_STEREOTYPICAL_HAND_WRINGING, HP_STEREOTYPICAL_HAND_WRINGING
                                                                                HP_ABNORMAL_HAND_BONE_OSSIFICATION, HP_ABNORMAL_HAND_BONE_OSSIFICATION
                                                                                GARCIA_PINERES_PBMC_HPV_16_L1_VLP_AGE_18_25YO_12MO_CORRELATED_WITH_ANTIBODY_RESPONSE_POSITIVE, GARCIA_PINERES_PBMC_HPV_16_L1_VLP_AGE_18_25YO_12MO_CORRELATED_WITH_ANTIBODY_F
                                                                                HP_INCREASED_SERINE_FAMILY_AMINO_ACID_IN_URINE, HP_INCREASED_SERINE_FAMILY_AMINO_ACID_IN_URINE
                                                                                HP_ABNORMALITY_OF_THE_TRAGUS, HP_ABNORMALITY_OF_THE_TRAGUS
                                                                                HP_ABNORMAL_CIRCULATING_FERRITIN_CONCENTRATION, HP_ABNORMAL_CIRCULATING_FERRITIN_CONCENTRATION
                                                                                GOBP_POSITIVE_REGULATION_OF_SKELETAL_MUSCLE_CELL_DIFFERENTIATION, GOBP_POSITIVE_REGULATION_OF_SKELETAL_MUSCLE_CELL_DIFFERENTIATION
                                                                                HP_CONGENITAL_POSTERIOR_URETHRAL_VALVE, HP_CONGENITAL_POSTERIOR_URETHRAL_VALVE
                                                                                HP_TALL_CHIN, HP_TALL_CHIN
                                                                                GOMF_SPHINGOSINE_N_ACYLTRANSFERASE_ACTIVITY, GOMF_SPHINGOSINE_N_ACYLTRANSFERASE_ACTIVITY
                                                                                GOBP NEGATIVE REGULATION OF EPIDERMIS DEVELOPMENT, GOBP NEGATIVE REGULATION OF EPIDERMIS DEVELOPMENT
                                                                                HP_NEOPLASM_OF_THE_MIDDLE_EAR, HP_NEOPLASM_OF_THE_MIDDLE_EAR
                                                                                GOBP_POSITIVE_REGULATION_OF_TRANSCRIPTION_OF_NOTCH_RECEPTOR_TARGET, GOBP_POSITIVE_REGULATION_OF_TRANSCRIPTION_OF_NOTCH_RECEPTOR_TARGET
                                                                                GOBP_AXIS_SPECIFICATION, GOBP_AXIS_SPECIFICATION
                                                                                GOBP_RETROGRADE_TRANS_SYNAPTIC_SIGNALING, GOBP_RETROGRADE_TRANS_SYNAPTIC_SIGNALING
                                                                                GOCC_NLRP3_INFLAMMASOME_COMPLEX, GOCC_NLRP3_INFLAMMASOME_COMPLEX
                                                                                GOBP_INTESTINAL_EPITHELIAL_STRUCTURE_MAINTENANCE, GOBP_INTESTINAL_EPITHELIAL_STRUCTURE_MAINTENANCE
                                                                                GOMF_BIOTIN_BINDING, GOMF_BIOTIN_BINDING
                                                                                RANKIN_ANGIOGENIC_TARGETS_OF_VHL_HIF2A_DN, RANKIN_ANGIOGENIC_TARGETS_OF_VHL_HIF2A_DN
                                                                                REACTOME_LIGAND_RECEPTOR_INTERACTIONS, REACTOME_LIGAND_RECEPTOR_INTERACTIONS
                                                                                GOBP_XENOBIOTIC_DETOXIFICATION_BY_TRANSMEMBRANE_EXPORT_ACROSS_THE_PLASMA_MEMBRANE, GOBP_XENOBIOTIC_DETOXIFICATION_BY_TRANSMEMBRANE_EXPORT_ACROSS_THE_PLASMA_MEMBRANE
                                                                                REACTOME DEFECTS IN BIOTIN BTN METABOLISM, REACTOME DEFECTS IN BIOTIN BTN METABOLISM
                                                                                WP_EDA_SIGNALLING_IN_HAIR_FOLLICLE_DEVELOPMENT, WP_EDA_SIGNALLING_IN_HAIR_FOLLICLE_DEVELOPMENT
                                                                                GOBP_APICAL_JUNCTION_ASSEMBLY, GOBP_APICAL_JUNCTION_ASSEMBLY
                                                                                GOBP_POSITIVE_REGULATION_OF_EPIDERMIS_DEVELOPMENT, GOBP_POSITIVE_REGULATION_OF_EPIDERMIS_DEVELOPMENT
                                                                                FOXC1_TARGET_GENES, FOXC1_TARGET_GENES
                                                                                NEUROD2_TARGET_GENES, NEUROD2_TARGET_GENES
                                                                                HP_ABNORMAL_GLYCOSPHINGOLIPID_METABOLISM, HP_ABNORMAL_GLYCOSPHINGOLIPID_METABOLISM
                                                                                HP_APLASIA_HYPOPLASIA_OF_THE_TRAGUS, HP_APLASIA_HYPOPLASIA_OF_THE_TRAGUS
                                                                                HOEK_MONOCYTE_2011_2012_TIV_ADULT_3DY_UP, HOEK_MONOCYTE_2011_2012_TIV_ADULT_3DY_UP
                                                                                GOBP_PYRIMIDINE_NUCLEOSIDE_MONOPHOSPHATE_CATABOLIC_PROCESS, GOBP_PYRIMIDINE_NUCLEOSIDE_MONOPHOSPHATE_CATABOLIC_PROCESS
                                                                                GOBP_DETECTION_OF_VIRUS, GOBP_DETECTION_OF_VIRUS
                                                                                GOBP_REGULATION_OF_CD40_SIGNALING_PATHWAY, GOBP_REGULATION_OF_CD40_SIGNALING_PATHWAY
                                                                                GAO_SMALL_INTESTINE_24W_C3_ENTEROCYTE_PROGENITOR_SUBTYPE_1, GAO_SMALL_INTESTINE_24W_C3_ENTEROCYTE_PROGENITOR_SUBTYPE_1
                                                                                HP_SACROCOCCYGEAL_TERATOMA, HP_SACROCOCCYGEAL_TERATOMA
                                                                                GOBP_CHORIONIC_TROPHOBLAST_CELL_PROLIFERATION, GOBP_CHORIONIC_TROPHOBLAST_CELL_PROLIFERATION
                                                                                GOBP_MRNA_3_END_PROCESSING_BY_STEM_LOOP_BINDING_AND_CLEAVAGE, GOBP_MRNA_3_END_PROCESSING_BY_STEM_LOOP_BINDING_AND_CLEAVAGE
                                                                                GOMF_BETA_N_ACETYLHEXOSAMINIDASE_ACTIVITY, GOMF_BETA_N_ACETYLHEXOSAMINIDASE_ACTIVITY
                                                                                GOMF_PEPTIDOGLYCAN_IMMUNE_RECEPTOR_ACTIVITY, GOMF_PEPTIDOGLYCAN_IMMUNE_RECEPTOR_ACTIVITY
                                                                                GOBP_POSITIVE_REGULATION_OF_LIPOPOLYSACCHARIDE_MEDIATED_SIGNALING_PATHWAY, GOBP_POSITIVE_REGULATION_OF_LIPOPOLYSACCHARIDE_MEDIATED_SIGNALING_PATHWAY
                                                                                GOBP_REGULATION_OF_BICELLULAR_TIGHT_JUNCTION_ASSEMBLY, GOBP_REGULATION_OF_BICELLULAR_TIGHT_JUNCTION_ASSEMBLY
                                                                                GOBP_RETINA_VASCULATURE_DEVELOPMENT_IN_CAMERA_TYPE_EYE, GOBP_RETINA_VASCULATURE_DEVELOPMENT_IN_CAMERA_TYPE_EYE
                                                                                HP TONGUE THRUSTING, HP TONGUE THRUSTING
                                                                                GOBP GLIAL CELL DERIVED NEUROTROPHIC FACTOR RECEPTOR SIGNALING PATHWAY, GOBP GLIAL CELL DERIVED NEUROTROPHIC FACTOR RECEPTOR SIGNALING PATHWAY
                                                                                GOBP_CELLULAR_RESPONSE_TO_BRAIN_DERIVED_NEUROTROPHIC_FACTOR_STIMULUS, GOBP_CELLULAR_RESPONSE_TO_BRAIN_DERIVED_NEUROTROPHIC_FACTOR_STIMULUS
                                                                                GOBP GROWTH PLATE CARTILAGE CHONDROCYTE DIFFERENTIATION, GOBP GROWTH PLATE CARTILAGE CHONDROCYTE DIFFERENTIATION
                                                                                WP_BIOTIN_METABOLISM_INCLUDING_IEMS, WP_BIOTIN_METABOLISM_INCLUDING_IEMS
                                                                                HP_BROAD_NAIL, HP_BROAD_NAIL
                                                                                GOBP_EMBRYONIC_CAMERA_TYPE_EYE_MORPHOGENESIS, GOBP_EMBRYONIC_CAMERA_TYPE_EYE_MORPHOGENESIS
                                                                                VANDESLUIS COMMD1 TARGETS GROUP 4 UP, VANDESLUIS COMMD1 TARGETS GROUP 4 UP
                                                                                GOMF_PYRIMIDINE_NUCLEOSIDE_TRANSMEMBRANE_TRANSPORTER_ACTIVITY, GOMF_PYRIMIDINE_NUCLEOSIDE_TRANSMEMBRANE_TRANSPORTER_ACTIVITY
                                                                                HP_IMPAIRED_THERMAL_SENSITIVITY, HP_IMPAIRED_THERMAL_SENSITIVITY
                                                                                GOMF_LIGASE_ACTIVITY_FORMING_CARBON_CARBON_BONDS, GOMF_LIGASE_ACTIVITY_FORMING_CARBON_CARBON_BONDS
                                                                                GOBP_CELLULAR_RESPONSE_TO_STEROL, GOBP_CELLULAR_RESPONSE_TO_STEROL
                                                                                KIM GERMINAL CENTER T HELPER DN, KIM GERMINAL CENTER T HELPER DN
                                                                                GALIE_TUMOR_STEMNESS_GENES, GALIE_TUMOR_STEMNESS_GENES
                                                                                HP_TERATOMA, HP_TERATOMA
                                                                                GOMF_LAMININ_1_BINDING, GOMF_LAMININ_1_BINDING
                                                                                GOBP_SEMICIRCULAR_CANAL_DEVELOPMENT, GOBP_SEMICIRCULAR_CANAL_DEVELOPMENT
                                                                                GOBP_NEGATIVE_REGULATION_OF_CELLULAR_RESPONSE_TO_OXIDATIVE_STRESS, GOBP_NEGATIVE_REGULATION_OF_CELLULAR_RESPONSE_TO_OXIDATIVE_STRESS
                                                                                HP_ENDOCARDIAL_FIBROELASTOSIS, HP_ENDOCARDIAL_FIBROELASTOSIS
                                                                                HP_EXSTROPHY, HP_EXSTROPHY
                                                                                GOBP POSITIVE REGULATION OF RAC PROTEIN SIGNAL TRANSDUCTION, GOBP POSITIVE REGULATION OF RAC PROTEIN SIGNAL TRANSDUCTION
                                                                                GOBP NEGATIVE REGULATION OF KERATINOCYTE DIFFERENTIATION, GOBP NEGATIVE REGULATION OF KERATINOCYTE DIFFERENTIATION
                                                                                GOBP_HYPOXIA_INDUCIBLE_FACTOR_1ALPHA_SIGNALING_PATHWAY, GOBP_HYPOXIA_INDUCIBLE_FACTOR_1ALPHA_SIGNALING_PATHWAY
                                                                                HOEK_NEUTROPHIL_2011_2012_TIV_ADULT_7DY_UP, HOEK_NEUTROPHIL_2011_2012_TIV_ADULT_7DY_UP
                                                                                GOBP_POSITIVE_REGULATION_OF_EPIDERMAL_CELL_DIFFERENTIATION, GOBP_POSITIVE_REGULATION_OF_EPIDERMAL_CELL_DIFFERENTIATION
                                                                                HP_ABNORMAL_NATURAL_KILLER_CELL_MORPHOLOGY, HP_ABNORMAL_NATURAL_KILLER_CELL_MORPHOLOGY
                                                                                GOBP_POSITIVE_REGULATION_OF_NLRP3_INFLAMMASOME_COMPLEX_ASSEMBLY, GOBP_POSITIVE_REGULATION_OF_NLRP3_INFLAMMASOME_COMPLEX_ASSEMBLY
                                                                                GOBP_FOREBRAIN_NEURON_FATE_COMMITMENT, GOBP_FOREBRAIN_NEURON_FATE_COMMITMENT
                                                                                GOBP NEGATIVE REGULATION OF MACROPHAGE DIFFERENTIATION, GOBP NEGATIVE REGULATION OF MACROPHAGE DIFFERENTIATION
                                                                                GOBP_THYROID_HORMONE_MEDIATED_SIGNALING_PATHWAY, GOBP_THYROID_HORMONE_MEDIATED_SIGNALING_PATHWAY
                                                                                GOBP_PYRIMIDINE_RIBONUCLEOTIDE_CATABOLIC_PROCESS, GOBP_PYRIMIDINE_RIBONUCLEOTIDE_CATABOLIC_PROCESS
                                                                                REACTOME SUPPRESSION OF APOPTOSIS, REACTOME SUPPRESSION OF APOPTOSIS
                                                                                GOMF NEUROTRANSMITTER TRANSMEMBRANE TRANSPORTER ACTIVITY, GOMF NEUROTRANSMITTER TRANSMEMBRANE TRANSPORTER ACTIVITY
                                                                                GOBP REGULATION OF AMYLOID BETA CLEARANCE, GOBP REGULATION OF AMYLOID BETA CLEARANCE
                                                                                GOBP_LEUCINE_METABOLIC_PROCESS, GOBP_LEUCINE_METABOLIC_PROCESS
                                                                                GOBP CELL DIFFERENTIATION IN SPINAL CORD, GOBP CELL DIFFERENTIATION IN SPINAL CORD
                                                                                GOBP_PROSTATE_GLAND_GROWTH, GOBP_PROSTATE_GLAND_GROWTH
                                                                                GOCC_INFLAMMASOME_COMPLEX, GOCC_INFLAMMASOME_COMPLEX
                                                                                GOBP_TOLL_LIKE_RECEPTOR_7_SIGNALING_PATHWAY, GOBP_TOLL_LIKE_RECEPTOR_7_SIGNALING_PATHWAY
                                                                                GOBP_MYELOID_DENDRITIC_CELL_DIFFERENTIATION, GOBP_MYELOID_DENDRITIC_CELL_DIFFERENTIATION
                                                                                GOBP_POSITIVE_REGULATION_OF_CELLULAR_PH_REDUCTION, GOBP_POSITIVE_REGULATION_OF_CELLULAR_PH_REDUCTION
                                                                                GOBP_NEGATIVE_REGULATION_OF_PHOSPHATIDYLINOSITOL_3_KINASE_ACTIVITY, GOBP_NEGATIVE_REGULATION_OF_PHOSPHATIDYLINOSITOL_3_KINASE_ACTIVITY
                                                                                GOBP_REGULATION_OF_FOREBRAIN_NEURON_DIFFERENTIATION, GOBP_REGULATION_OF_FOREBRAIN_NEURON_DIFFERENTIATION
                                                                                GOCC_STEREOCILIUM_MEMBRANE, GOCC_STEREOCILIUM_MEMBRANE
                                                                                GOMF_AMMONIA_LYASE_ACTIVITY, GOMF_AMMONIA_LYASE_ACTIVITY
                                                                                HP_UNDERDEVELOPED_TRAGUS, HP_UNDERDEVELOPED_TRAGUS
                                                                                GOBP_REGULATION_OF_THYROID_HORMONE_MEDIATED_SIGNALING_PATHWAY, GOBP_REGULATION_OF_THYROID_HORMONE_MEDIATED_SIGNALING_PATHWAY
                                                                                GOBP_UMP_CATABOLIC_PROCESS, GOBP_UMP_CATABOLIC_PROCESS
                                                                                GOBP POSITIVE REGULATION OF CHEMOKINE C C MOTIF LIGAND 5 PRODUCTION, GOBP POSITIVE REGULATION OF CHEMOKINE C C MOTIF LIGAND 5 PRODUCTION
                                                                                REACTOME_ARACHIDONATE_PRODUCTION_FROM_DAG, REACTOME_ARACHIDONATE_PRODUCTION_FROM_DAG
                                                                                HP_ABNORMALITY_OF_THE_PREMAXILLA, HP_ABNORMALITY_OF_THE_PREMAXILLA
                                                                                GOBP_STRESS_INDUCED_PREMATURE_SENESCENCE, GOBP_STRESS_INDUCED_PREMATURE_SENESCENCE
                                                                                HP_EEG_WITH_FOCAL_SPIKE_WAVES, HP_EEG_WITH_FOCAL_SPIKE_WAVES
                                                                                REACTOME_SIGNALING_BY_RNF43_MUTANTS, REACTOME_SIGNALING_BY_RNF43_MUTANTS
                                                                                MODULE_404, MODULE_404
                                                                                HP_RADIAL_DEVIATION_OF_THE_HAND, HP_RADIAL_DEVIATION_OF_THE_HAND
                                                                                HP_METOPIC_SYNOSTOSIS, HP_METOPIC_SYNOSTOSIS
                                                                                GOBP_NEGATIVE_REGULATION_OF_DENDRITE_DEVELOPMENT, GOBP_NEGATIVE_REGULATION_OF_DENDRITE_DEVELOPMENT
                                                                                GOBP_LEUCINE_CATABOLIC_PROCESS, GOBP_LEUCINE_CATABOLIC_PROCESS
                                                                                GOBP_CHONDROCYTE_DIFFERENTIATION_INVOLVED_IN_ENDOCHONDRAL_BONE_MORPHOGENESIS, GOBP_CHONDROCYTE_DIFFERENTIATION_INVOLVED_IN_ENDOCHONDRAL_BONE_MORPHOGENESIS
                                                                                GOBP_HINDGUT_DEVELOPMENT, GOBP_HINDGUT_DEVELOPMENT
                                                                                REACTOME_GLI_PROTEINS_BIND_PROMOTERS_OF_HH_RESPONSIVE_GENES_TO_PROMOTE_TRANSCRIPTION, REACTOME_GLI_PROTEINS_BIND_PROMOTERS_OF_HH_RESPONSIVE_GENES_TO_PROMOTE_TRANSCRIPTION
                                                                                GOBP_GANGLIOSIDE_CATABOLIC_PROCESS, GOBP_GANGLIOSIDE_CATABOLIC_PROCESS
                                                                                GOBP_POSITIVE_REGULATION_OF_VASCULAR_ENDOTHELIAL_GROWTH_FACTOR_SIGNALING_PATHWAY, GOBP_POSITIVE_REGULATION_OF_VASCULAR_ENDOTHELIAL_GROWTH_FACTOR_SIGNALING_PATHWAY
                                                                                GOBP_EXTRAEMBRYONIC_MEMBRANE_DEVELOPMENT, GOBP_EXTRAEMBRYONIC_MEMBRANE_DEVELOPMENT
                                                                                GOBP_REGULATION_OF_EPITHELIAL_CELL_PROLIFERATION_INVOLVED_IN_LUNG_MORPHOGENESIS, GOBP_REGULATION_OF_EPITHELIAL_CELL_PROLIFERATION_INVOLVED_IN_LUNG_MORPHOGENESIS
                                                                                HP_MEDIAN_CLEFT_LIP_AND_PALATE, HP_MEDIAN_CLEFT_LIP_AND_PALATE
                                                                                GOCC_NODE_OF_RANVIER, GOCC_NODE_OF_RANVIER
                                                                                GOBP_RESPONSE_TO_SYMBIONT, GOBP_RESPONSE_TO_SYMBIONT
                                                                                GOBP_PYRIMIDINE_NUCLEOSIDE_TRANSPORT, GOBP_PYRIMIDINE_NUCLEOSIDE_TRANSPORT
                                                                                GOMF_URIDINE_TRANSMEMBRANE_TRANSPORTER_ACTIVITY, GOMF_URIDINE_TRANSMEMBRANE_TRANSPORTER_ACTIVITY
                                                                                REN_MIF_TARGETS_DN, REN_MIF_TARGETS_DN
                                                                                HOEK_B_CELL_2011_2012_TIV_ADULT_3DY_DN, HOEK_B_CELL_2011_2012_TIV_ADULT_3DY_DN
                                                                                GOBP_EOSINOPHIL_DIFFERENTIATION, GOBP_EOSINOPHIL_DIFFERENTIATION
                                                                                GOBP_POSITIVE_REGULATION_OF_EPITHELIAL_CELL_PROLIFERATION_INVOLVED_IN_LUNG_MORPHOGENESIS, GOBP_POSITIVE_REGULATION_OF_EPITHELIAL_CELL_PROLIFERATION_INVOLVED_IN_LUNG_MORPHOGENESIS
                                                                                GOBP_CHORION_DEVELOPMENT, GOBP_CHORION_DEVELOPMENT
                                                                                GOBP_TRANS_SYNAPTIC_SIGNALING_BY_TRANS_SYNAPTIC_COMPLEX, GOBP_TRANS_SYNAPTIC_SIGNALING_BY_TRANS_SYNAPTIC_COMPLEX
                                                                                GOBP_NEGATIVE_REGULATION_OF_VASCULAR_ASSOCIATED_SMOOTH_MUSCLE_CELL_DIFFERENTIATION, GOBP_NEGATIVE_REGULATION_OF_VASCULAR_ASSOCIATED_SMOOTH_MUSCLE_CELL_DIFFERENTIATION
                                                                                GOBP_PEPTIDE_MODIFICATION, GOBP_PEPTIDE_MODIFICATION
                                                                                GOBP_NEGATIVE_REGULATION_OF_DENDRITIC_SPINE_MORPHOGENESIS, GOBP_NEGATIVE_REGULATION_OF_DENDRITIC_SPINE_MORPHOGENESIS
                                                                                GOBP_HISTONE_H3_K36_TRIMETHYLATION, GOBP_HISTONE_H3_K36_TRIMETHYLATION
                                                                                GOBP_REGULATION_OF_PRESYNAPSE_ORGANIZATION, GOBP_REGULATION_OF_PRESYNAPSE_ORGANIZATION
                                                                                GOBP_CHEMOKINE_C_C_MOTIF_LIGAND_5_PRODUCTION, GOBP_CHEMOKINE_C_C_MOTIF_LIGAND_5_PRODUCTION
                                                                                GOCC_DYSTROGLYCAN_COMPLEX, GOCC_DYSTROGLYCAN_COMPLEX
                                                                                chr20p12, chr20p12
                                                                                REACTOME_RECEPTOR_TYPE_TYROSINE_PROTEIN_PHOSPHATASES, REACTOME_RECEPTOR_TYPE_TYROSINE_PROTEIN_PHOSPHATASES
                                                                                GOCC_AMPA_GLUTAMATE_RECEPTOR_COMPLEX, GOCC_AMPA_GLUTAMATE_RECEPTOR_COMPLEX
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GSE27786\_BCELL\_VS\_MONO\_MAC\_UP, GSE27786\_BCELL\_VS\_MONO\_MAC\_UP

GSE27786\_CD8\_TCELL\_VS\_ERYTHROBLAST\_UP, GSE27786\_CD8\_TCELL\_VS\_ERYTHROBLAST\_UP

GSE27786\_LSK\_VS\_MONO\_MAC\_UP, GSE27786\_LSK\_VS\_MONO\_MAC\_UP