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REACTOME RESPIRATORY ELECTRON TRANSPORT ATP SYNTHESIS BY CHEMIOSMOTIC COUPLING AND HEAT PRODUCTION BY UNCOUPLING PROTEINS, REACTOME RESPIRATORY ELECTRON TRANSPORT ATP SYNTHESIS BY CHEMIOSMOTIC COUPLING AND HEAT PRODUCTION BY UNCOUPLING PROTEINS
                                                                                                                             GOBP OXIDATIVE PHOSPHORYLATION, GOBP OXIDATIVE PHOSPHORYLATION
                                                                                                                              GSE15330_WT_VS_IKAROS_KO_MEGAKARYOCYTE_ERYTHROID_PROGENITOR_UP, GSE15330_WT_VS_IKAROS_KO_MEGAKARYOCYTE_ERYTHROID_PROGENITOR_UP
                                                                                                                             REACTOME_RESPIRATORY_ELECTRON_TRANSPORT, REACTOME_RESPIRATORY_ELECTRON_TRANSPORT
                                                                                                                             GSE14908_RESTING_VS_HDM_STIM_CD4_TCELL_ATOPIC_PATIENT_UP, GSE14908_RESTING_VS_HDM_STIM_CD4_TCELL_ATOPIC_PATIENT_UP
                                                                                                                             GSE2770_UNTREATED_VS_IL12_TREATED_ACT_CD4_TCELL_2H_DN, GSE2770_UNTREATED_VS_IL12_TREATED_ACT_CD4_TCELL_2H_DN
                                                                                                                             GSE12198_CTRL_VS_LOW_IL2_STIM_NK_CELL_DN, GSE12198_CTRL_VS_LOW_IL2_STIM_NK_CELL_DN
                                                                                                                             GSE40273_GATA1_KO_VS_WT_TREG_UP, GSE40273_GATA1_KO_VS_WT_TREG_UP
                                                                                                                             GSE14908_ATOPIC_VS_NONATOPIC_PATIENT_HDM_STIM_CD4_TCELL_UP, GSE14908_ATOPIC_VS_NONATOPIC_PATIENT_HDM_STIM_CD4_TCELL_UP
                                                                                                                              GSE22589_HIV_VS_HIV_AND_SIV_INFECTED_DC_DN, GSE22589_HIV_VS_HIV_AND_SIV_INFECTED_DC_DN
                                                                                                                             GSE17721_LPS_VS_GARDIQUIMOD_6H_BMDC_DN, GSE17721_LPS_VS_GARDIQUIMOD_6H_BMDC_DN
                                                                                                                              GSE15330_WT_VS_IKAROS_KO_LYMPHOID_MULTIPOTENT_PROGENITOR_DN, GSE15330_WT_VS_IKAROS_KO_LYMPHOID_MULTIPOTENT_PROGENITOR_DN
                                                                                                                              GSE17721_LPS_VS_PAM3CSK4_12H_BMDC_DN, GSE17721_LPS_VS_PAM3CSK4_12H_BMDC_DN
                                                                                                                              GOCC_OXIDOREDUCTASE_COMPLEX, GOCC_OXIDOREDUCTASE_COMPLEX
                                                                                                                              GSE15324_NAIVE_VS_ACTIVATED_ELF4_KO_CD8_TCELL_DN, GSE15324_NAIVE_VS_ACTIVATED_ELF4_KO_CD8_TCELL_DN
                                                                                                                              GSE41867_DAY6_VS_DAY8_LCMV_ARMSTRONG_EFFECTOR_CD8_TCELL_UP, GSE41867_DAY6_VS_DAY8_LCMV_ARMSTRONG_EFFECTOR_CD8_TCELL_UP
                                                                                                                              GSE15330_LYMPHOID_MULTIPOTENT_VS_GRANULOCYTE_MONOCYTE_PROGENITOR_DN, GSE15330_LYMPHOID_MULTIPOTENT_VS_GRANULOCYTE_MONOCYTE_PROGENITOR_DN
                                                                                                                              GSE17721_0.5H_VS_24H_PAM3CSK4_BMDC_UP, GSE17721_0.5H_VS_24H_PAM3CSK4_BMDC_UP
                                                                                                                              GSE17721_0.5H_VS_4H_PAM3CSK4_BMDC_UP, GSE17721_0.5H_VS_4H_PAM3CSK4_BMDC_UP
                                                                                                                              GOBP_DNA_TEMPLATED_TRANSCRIPTION_TERMINATION, GOBP_DNA_TEMPLATED_TRANSCRIPTION_TERMINATION
                                                                                                                              GOCC_RNA_POLYMERASE_COMPLEX, GOCC_RNA_POLYMERASE_COMPLEX
                                                                                                                              GSE30083_SP1_VS_SP4_THYMOCYTE_UP, GSE30083_SP1_VS_SP4_THYMOCYTE_UP
                                                                                                                              GSE36527 CD69 NEG VS POS TREG CD62L LOS KLRG1 NEG DN, GSE36527 CD69 NEG VS POS TREG CD62L LOS KLRG1 NEG DN
                                                                                                                             GSE17580_UNINFECTED_VS_S_MANSONI_INF_TREG_DN, GSE17580_UNINFECTED_VS_S_MANSONI_INF_TREG_DN
                                                                                                                              GOBP_TRANSCRIPTION_ELONGATION_FROM_RNA_POLYMERASE_II_PROMOTER, GOBP_TRANSCRIPTION_ELONGATION_FROM_RNA_POLYMERASE_II_PROMOTER
                                                                                                                              GSE17721_PAM3CSK4_VS_GADIQUIMOD_24H_BMDC_UP, GSE17721_PAM3CSK4_VS_GADIQUIMOD_24H_BMDC_UP
                                                                                                                              GSE43955_1H_VS_10H_ACT_CD4_TCELL_UP, GSE43955_1H_VS_10H_ACT_CD4_TCELL_UP
                                                                                                                              ACOSTA_PROLIFERATION_INDEPENDENT_MYC_TARGETS_UP, ACOSTA_PROLIFERATION_INDEPENDENT_MYC_TARGETS_UP
                                                                                                                              GSE12198_NK_VS_NK_ACT_EXPANSION_SYSTEM_DERIVED_NK_CELL_DN, GSE12198_NK_VS_NK_ACT_EXPANSION_SYSTEM_DERIVED_NK_CELL_DN
                                                                                                                             GSE17721_0.5H_VS_4H_PAM3CSK4_BMDC_DN, GSE17721_0.5H_VS_4H_PAM3CSK4_BMDC_DN
                                                                                                                              GSE15330_WT_VS_IKAROS_KO_HSC_DN, GSE15330_WT_VS_IKAROS_KO_HSC_DN
                                                                                                                              GSE34515_CD16_NEG_VS_POS_MONOCYTE_UP, GSE34515_CD16_NEG_VS_POS_MONOCYTE_UP
                                                                                                                              GSE15330_WT_VS_IKAROS_KO_GRANULOCYTE_MONOCYTE_PROGENITOR_DN, GSE15330_WT_VS_IKAROS_KO_GRANULOCYTE_MONOCYTE_PROGENITOR_DN
                                                                                                                             REACTOME_TRANSCRIPTION_OF_THE_HIV_GENOME, REACTOME_TRANSCRIPTION_OF_THE_HIV_GENOME
                                                                                                                              GSE15930_STIM_VS_STIM_AND_TRICHOSTATINA_48H_CD8_T_CELL_UP, GSE15930_STIM_VS_STIM_AND_TRICHOSTATINA_48H_CD8_T_CELL_UP
                                                                                                                              GSE22103_UNSTIM_VS_LPS_STIM_NEUTROPHIL_DN, GSE22103_UNSTIM_VS_LPS_STIM_NEUTROPHIL_DN
                                                                                                                             REACTOME_FORMATION_OF_RNA_POL_II_ELONGATION_COMPLEX, REACTOME_FORMATION_OF_RNA_POL_II_ELONGATION_COMPLEX
                                                                                                                              GSE19772_CTRL_VS_HCMV_INF_MONOCYTES_AND_PI3K_INHIBITION_UP, GSE19772_CTRL_VS_HCMV_INF_MONOCYTES_AND_PI3K_INHIBITION_UP
                                                                                                                             GSE15324_NAIVE_VS_ACTIVATED_CD8_TCELL_DN, GSE15324_NAIVE_VS_ACTIVATED_CD8_TCELL_DN
                                                                                                                              GSE20727_CTRL_VS_DNFB_ALLERGEN_TREATED_DC_DN, GSE20727_CTRL_VS_DNFB_ALLERGEN_TREATED_DC_DN
                                                                                                                             REACTOME HIV TRANSCRIPTION ELONGATION, REACTOME HIV TRANSCRIPTION ELONGATION
                                                                                                                              GOCC_INTRINSIC_COMPONENT_OF_ENDOPLASMIC_RETICULUM_MEMBRANE, GOCC_INTRINSIC_COMPONENT_OF_ENDOPLASMIC_RETICULUM_MEMBRANE
                                                                                                                              GSE17721_4_VS_24H_GARDIQUIMOD_BMDC_UP, GSE17721_4_VS_24H_GARDIQUIMOD_BMDC_UP
                                                                                                                              HP ABNORMAL METABOLISM, HP ABNORMAL METABOLISM
                                                                                                                              REACTOME FORMATION OF THE EARLY ELONGATION COMPLEX. REACTOME FORMATION OF THE EARLY ELONGATION COMPLEX
                                                                                                                              ATGGYGGA_UNKNOWN, ATGGYGGA_UNKNOWN
                                                                                                                              REACTOME_ABORTIVE_ELONGATION_OF_HIV_1_TRANSCRIPT_IN_THE_ABSENCE_OF_TAT, REACTOME_ABORTIVE_ELONGATION_OF_HIV_1_TRANSCRIPT_IN_THE_ABSENCE_OF_TAT
                                                                                                                             REACTOME_RNA_POLYMERASE_I_TRANSCRIPTION_INITIATION, REACTOME_RNA_POLYMERASE_I_TRANSCRIPTION_INITIATION
                                                                                                                              MIR548AT_3P, MIR548AT_3P
                                                                                                                             GSE17721_LPS_VS_GARDIQUIMOD_24H_BMDC_UP, GSE17721_LPS_VS_GARDIQUIMOD_24H_BMDC_UP
                                                                                                                              GSE37301_HEMATOPOIETIC_STEM_CELL_VS_MULTIPOTENT_PROGENITOR_UP, GSE37301_HEMATOPOIETIC_STEM_CELL_VS_MULTIPOTENT_PROGENITOR_UP
                                                                                                                             MIR548AY 3P, MIR548AY 3P
                                                                                                                             MIR200A_5P, MIR200A_5P
                                                                                                                             MIR200B_5P, MIR200B_5P
                                                                                                                             MIR6728 3P, MIR6728 3P
                                                                                                                             PDGF_ERK_DN.V1_UP, PDGF_ERK_DN.V1_UP
                                                                                                                              GOBP_ER_NUCLEUS_SIGNALING_PATHWAY, GOBP_ER_NUCLEUS_SIGNALING_PATHWAY
                                                                                                                             GSE41176_UNSTIM_VS_ANTI_IGM_STIM_TAK1_KO_BCELL_1H_DN, GSE41176_UNSTIM_VS_ANTI_IGM_STIM_TAK1_KO_BCELL_1H_DN
                                                                                                                             HP_BROAD_THUMB, HP_BROAD_THUMB
                                                                                                                             MIR508_3P, MIR508_3P
                                                                                                                              TACAATC MIR508, TACAATC MIR508
                                                                                                                             MORI_PLASMA_CELL_UP, MORI_PLASMA_CELL_UP
                                                                                                                             GOBP_SNRNA_METABOLIC_PROCESS, GOBP_SNRNA_METABOLIC_PROCESS
                                                                                                                             HP_HYPOTELORISM, HP_HYPOTELORISM
                                                                                                                              HP_CONGENITAL_HEPATIC_FIBROSIS, HP_CONGENITAL_HEPATIC_FIBROSIS
                                                                                                                             MIR4686, MIR4686
                                                                                                                             MIR3911, MIR3911
                                                                                                                              GGGNRMNNYCAT_UNKNOWN, GGGNRMNNYCAT_UNKNOWN
                                                                                                                             GENTILE_UV_RESPONSE_CLUSTER_D7, GENTILE_UV_RESPONSE_CLUSTER_D7
                                                                                                                             REACTOME_SIGNALING_BY_FGFR, REACTOME_SIGNALING_BY_FGFR
                                                                                                                             RIZKI_TUMOR_INVASIVENESS_2D_DN, RIZKI_TUMOR_INVASIVENESS_2D_DN
                                                                                                                             GROSS_HYPOXIA_VIA_ELK3_ONLY_DN, GROSS_HYPOXIA_VIA_ELK3_ONLY_DN
                                                                                                                              HP_BILATERAL_TONIC_CLONIC_SEIZURE_WITH_GENERALIZED_ONSET, HP_BILATERAL_TONIC_CLONIC_SEIZURE_WITH_GENERALIZED_ONSET
                                                                                                                              HP_SHORT_CHIN, HP_SHORT_CHIN
                                                                                                                             MIR3913_3P, MIR3913_3P
                                                                                                                             MIR4804_3P, MIR4804_3P
                                                                                                                             MIR874_5P, MIR874_5P
                                                                                                                             HP_AQUEDUCTAL_STENOSIS, HP_AQUEDUCTAL_STENOSIS
                                                                                                                             MIR1185 5P, MIR1185 5P
                                                                                                                              GOBP_NUCLEOTIDE_EXCISION_REPAIR_PREINCISION_COMPLEX_STABILIZATION, GOBP_NUCLEOTIDE_EXCISION_REPAIR_PREINCISION_COMPLEX_STABILIZATION
                                                                                                                             HNF3_Q6, HNF3_Q6
                                                                                                                             CHESLER_BRAIN_QTL_CIS, CHESLER_BRAIN_QTL_CIS
                                                                                                                              HORTON SREBF TARGETS, HORTON SREBF TARGETS
                                                                                                                             GOMF_RECEPTOR_TYROSINE_KINASE_BINDING, GOMF_RECEPTOR_TYROSINE_KINASE_BINDING
                                                                                                                             GOBP_POSITIVE_REGULATION_OF_EPITHELIAL_CELL_MIGRATION, GOBP_POSITIVE_REGULATION_OF_EPITHELIAL_CELL_MIGRATION
                                                                                                                              GOBP POSITIVE REGULATION OF RESPONSE TO ENDOPLASMIC RETICULUM STRESS, GOBP POSITIVE REGULATION OF RESPONSE TO ENDOPLASMIC RETICULUM STRESS
                                                                                                                             GOBP_SNRNA_PROCESSING, GOBP_SNRNA_PROCESSING
                                                                                                                             HP_DYSGRAPHIA, HP_DYSGRAPHIA
                                                                                                                              KEGG_BUTANOATE_METABOLISM, KEGG_BUTANOATE_METABOLISM
                                                                                                                              GOMF_MISFOLDED_PROTEIN_BINDING, GOMF_MISFOLDED_PROTEIN_BINDING
                                                                                                                              UEDA CENTRAL CLOCK, UEDA CENTRAL CLOCK
                                                                                                                             DESCARTES_MAIN_FETAL_CSH1_CSH2_POSITIVE_CELLS, DESCARTES_MAIN_FETAL_CSH1_CSH2_POSITIVE_CELLS
                                                                                                                             MIR3140_5P, MIR3140_5P
                                                                                                                              HP_INCISOR_MACRODONTIA, HP_INCISOR_MACRODONTIA
                                                                                                                              ABBUD LIF SIGNALING 1 UP, ABBUD LIF SIGNALING 1 UP
                                                                                                                             IRX3_TARGET_GENES, IRX3_TARGET_GENES
                                                                                                                              HP NEOPLASM OF FATTY TISSUE, HP NEOPLASM OF FATTY TISSUE
                                                                                                                              GOMF_COPPER_ION_BINDING, GOMF_COPPER_ION_BINDING
                                                                                                                              HP_RETINAL_COLOBOMA, HP_RETINAL_COLOBOMA
                                                                                                                              MIR4296, MIR4296
                                                                                                                             HP_HYPOPLASIA_OF_THE_EAR_CARTILAGE, HP_HYPOPLASIA_OF_THE_EAR_CARTILAGE
                                                                                                                              HP_ABNORMAL_TONGUE_PHYSIOLOGY, HP_ABNORMAL_TONGUE_PHYSIOLOGY
                                                                                                                              MORF_RAGE, MORF_RAGE
                                                                                                                              HP_MULTIPLE_LIPOMAS, HP_MULTIPLE_LIPOMAS
                                                                                                                              MODULE_322, MODULE_322
                                                                                                                              SHAFFER_IRF4_MULTIPLE_MYELOMA_PROGRAM, SHAFFER_IRF4_MULTIPLE_MYELOMA_PROGRAM
                                                                                                                              YORDY_RECIPROCAL_REGULATION_BY_ETS1_AND_SP100_DN, YORDY_RECIPROCAL_REGULATION_BY_ETS1_AND_SP100_DN
                                                                                                                             MIR6858_5P, MIR6858_5P
                                                                                                                              GOBP_POSITIVE_REGULATION_OF_VIRAL_LIFE_CYCLE, GOBP_POSITIVE_REGULATION_OF_VIRAL_LIFE_CYCLE
                                                                                                                              GOBP_FATTY_ACID_DERIVATIVE_METABOLIC_PROCESS, GOBP_FATTY_ACID_DERIVATIVE_METABOLIC_PROCESS
                                                                                                                              GOBP_STRESS_FIBER_ASSEMBLY, GOBP_STRESS_FIBER_ASSEMBLY
                                                                                                                             GOBP_POSITIVE_REGULATION_OF_PEPTIDE_SECRETION, GOBP_POSITIVE_REGULATION_OF_PEPTIDE_SECRETION
                                                                                                                              HP_ASTROCYTOSIS, HP_ASTROCYTOSIS
                                                                                                                              HP_SPARSE_OR_ABSENT_EYELASHES, HP_SPARSE_OR_ABSENT_EYELASHES
                                                                                                                             GOBP_SNO_S_RNA_3_END_PROCESSING, GOBP_SNO_S_RNA_3_END_PROCESSING
                                                                                                                             MIR3147, MIR3147
                                                                                                                             MIR6851_3P, MIR6851_3P
                                                                                                                              GOBP_REGULATION_OF_EMBRYONIC_DEVELOPMENT, GOBP_REGULATION_OF_EMBRYONIC_DEVELOPMENT
                                                                                                                             GOBP_FATTY_ACID_DERIVATIVE_CATABOLIC_PROCESS, GOBP_FATTY_ACID_DERIVATIVE_CATABOLIC_PROCESS
                                                                                                                             GOBP_NEGATIVE_REGULATION_OF_MICROTUBULE_POLYMERIZATION_OR_DEPOLYMERIZATION, GOBP_NEGATIVE_REGULATION_OF_MICROTUBULE_POLYMERIZATION_OR_DEPOLYMERIZATION
                                                                                                                             MIR7108_5P, MIR7108_5P
                                                                                                                             GNF2_SERPINB5, GNF2_SERPINB5
                                                                                                                             HP_TONGUE_FASCICULATIONS, HP_TONGUE_FASCICULATIONS
                                                                                                                              MIR6835_5P, MIR6835_5P
                                                                                                                              GOBP_COPPER_ION_HOMEOSTASIS, GOBP_COPPER_ION_HOMEOSTASIS
                                                                                                                              HP_RAPIDLY_PROGRESSIVE, HP_RAPIDLY_PROGRESSIVE
                                                                                                                              HP_PROTEIN_LOSING_ENTEROPATHY, HP_PROTEIN_LOSING_ENTEROPATHY
                                                                                                                             ZA_UNIPROT_Q9UM89_UNREVIEWED_TARGET_GENES, ZA_UNIPROT_Q9UM89_UNREVIEWED_TARGET_GENES
                                                                                                                              HP_INTUSSUSCEPTION, HP_INTUSSUSCEPTION
                                                                                                                              HP_DUODENAL_ADENOCARCINOMA, HP_DUODENAL_ADENOCARCINOMA
                                                                                                                             HP_ABNORMALITY_OF_THE_GASTRIC_MUCOSA, HP_ABNORMALITY_OF_THE_GASTRIC_MUCOSA
                                                                                                                              KEGG_PRION_DISEASES, KEGG_PRION_DISEASES
                                                                                                                              GOBP_ADIPOSE_TISSUE_DEVELOPMENT, GOBP_ADIPOSE_TISSUE_DEVELOPMENT
                                                                                                                             HP_PROXIMAL_AMYOTROPHY, HP_PROXIMAL_AMYOTROPHY
                                                                                                                             HP_FIBROSARCOMA, HP_FIBROSARCOMA
                                                                                                                               PAL_PRMT5_TARGETS_DN, PAL_PRMT5_TARGETS_DN
                                                                                                                              PLASARI_TGFB1_SIGNALING_VIA_NFIC_1HR_UP, PLASARI_TGFB1_SIGNALING_VIA_NFIC_1HR_UP
                                                                                                                              GOBP_NEGATIVE_REGULATION_OF_ENDOPLASMIC_RETICULUM_UNFOLDED_PROTEIN_RESPONSE, GOBP_NEGATIVE_REGULATION_OF_ENDOPLASMIC_RETICULUM_UNFOLDED_PROTEIN_RESPONSE
                                                                                                                              HP_DECREASED_CIRCULATING_IGA_LEVEL, HP_DECREASED_CIRCULATING_IGA_LEVEL
                                                                                                                             HP_APLASTIC_ANEMIA, HP_APLASTIC_ANEMIA
                                                                                                                             GOMF_CYTOCHROME_B5_REDUCTASE_ACTIVITY_ACTING_ON_NAD_P_H, GOMF_CYTOCHROME_B5_REDUCTASE_ACTIVITY_ACTING_ON_NAD_P_H
                                                                                                                              GOBP_POSITIVE_REGULATION_OF_PROTEIN_TYROSINE_KINASE_ACTIVITY, GOBP_POSITIVE_REGULATION_OF_PROTEIN_TYROSINE_KINASE_ACTIVITY
                                                                                                                             HOEK_NEUTROPHIL_2011_2012_TIV_ADULT_7DY_DN, HOEK_NEUTROPHIL_2011_2012_TIV_ADULT_7DY_DN
                                                                                                                             HP_ANGIOEDEMA, HP_ANGIOEDEMA
                                                                                                                              MCGOWAN_RSP6_TARGETS_UP, MCGOWAN_RSP6_TARGETS_UP
                                                                                                                              KEGG_LIMONENE_AND_PINENE_DEGRADATION, KEGG_LIMONENE_AND_PINENE_DEGRADATION
                                                                                                                              GOBP_PROTEIN_INSERTION_INTO_ER_MEMBRANE_BY_STOP_TRANSFER_MEMBRANE_ANCHOR_SEQUENCE, GOBP_PROTEIN_INSERTION_INTO_ER_MEMBRANE_BY_STOP_TRANSFER_MEMBRANE_ANCHOR_SEQUENCE
                                                                                                                              GOCC_EMC_COMPLEX, GOCC_EMC_COMPLEX
                                                                                                                             GOBP_POSITIVE_REGULATION_BY_HOST_OF_VIRAL_PROCESS, GOBP_POSITIVE_REGULATION_BY_HOST_OF_VIRAL_PROCESS
                                                                                                                             GOBP_POSITIVE_REGULATION_OF_ENDOPLASMIC_RETICULUM_UNFOLDED_PROTEIN_RESPONSE, GOBP_POSITIVE_REGULATION_OF_ENDOPLASMIC_RETICULUM_UNFOLDED_PROTEIN_RESPONSE
                                                                                                                              HP_NEPHROCALCINOSIS, HP_NEPHROCALCINOSIS
                                                                                                                              GOBP_DEOXYRIBOSE_PHOSPHATE_CATABOLIC_PROCESS, GOBP_DEOXYRIBOSE_PHOSPHATE_CATABOLIC_PROCESS
                                                                                                                              HP_ONION_BULB_FORMATION, HP_ONION_BULB_FORMATION
                                                                                                                              GOBP_CELLULAR_COPPER_ION_HOMEOSTASIS, GOBP_CELLULAR_COPPER_ION_HOMEOSTASIS
                                                                                                                             GOBP_MAINTENANCE_OF_ORGANELLE_LOCATION, GOBP_MAINTENANCE_OF_ORGANELLE_LOCATION
                                                                                                                             GOMF_PYRIMIDINE_NUCLEOTIDE_SUGAR_TRANSMEMBRANE_TRANSPORTER_ACTIVITY, GOMF_PYRIMIDINE_NUCLEOTIDE_SUGAR_TRANSMEMBRANE_TRANSPORTER_ACTIVITY
                                                                                                                             GOBP_NEGATIVE_REGULATION_OF_ERK1_AND_ERK2_CASCADE, GOBP_NEGATIVE_REGULATION_OF_ERK1_AND_ERK2_CASCADE
                                                                                                                              GOMF_NUCLEOTIDE_SUGAR_TRANSMEMBRANE_TRANSPORTER_ACTIVITY, GOMF_NUCLEOTIDE_SUGAR_TRANSMEMBRANE_TRANSPORTER_ACTIVITY
                                                                                                                              HP_INTESTINAL_BLEEDING, HP_INTESTINAL_BLEEDING
                                                                                                                             GOBP_PYRIMIDINE_NUCLEOTIDE_CATABOLIC_PROCESS, GOBP_PYRIMIDINE_NUCLEOTIDE_CATABOLIC_PROCESS
                                                                                                                             WP_ZINC_HOMEOSTASIS, WP_ZINC_HOMEOSTASIS
                                                                                                                             GOBP REGULATION OF APOPTOTIC DNA FRAGMENTATION, GOBP REGULATION OF APOPTOTIC DNA FRAGMENTATION
                                                                                                                             MIR744 5P, MIR744 5P
                                                                                                                              HP JERKY HEAD MOVEMENTS, HP JERKY HEAD MOVEMENTS
                                                                                                                             GOBP_REGULATION_OF_PROTEIN_COMPLEX_STABILITY, GOBP_REGULATION_OF_PROTEIN_COMPLEX_STABILITY
                                                                                                                             BUSSLINGER_GASTRIC_NECK_CELLS, BUSSLINGER_GASTRIC_NECK_CELLS
                                                                                                                             HP_ABNORMALITY_OF_THE_ALVEOLAR_RIDGES, HP_ABNORMALITY_OF_THE_ALVEOLAR_RIDGES
                                                                                                                             MIR371A_3P, MIR371A_3P
                                                                                                                             PETRETTO_HEART_MASS_QTL_CIS_DN, PETRETTO_HEART_MASS_QTL_CIS_DN
                                                                                                                             HP_SENILE_PLAQUES, HP_SENILE_PLAQUES
                                                                                                                             HP_APLASIA_OF_THE_UTERUS, HP_APLASIA_OF_THE_UTERUS
                                                                                                                             HP_RECTAL_POLYPOSIS, HP_RECTAL_POLYPOSIS
                                                                                                                             HP_PROXIMAL_FEMORAL_METAPHYSEAL_IRREGULARITY, HP_PROXIMAL_FEMORAL_METAPHYSEAL_IRREGULARITY
                                                                                                                             HP_ABNORMAL_LEVELS_OF_ALPHA_FETOPROTEIN, HP_ABNORMAL_LEVELS_OF_ALPHA_FETOPROTEIN
                                                                                                                             HP_EXCESSIVE_DAYTIME_SOMNOLENCE, HP_EXCESSIVE_DAYTIME_SOMNOLENCE
                                                                                                                             GOBP_BASE_EXCISION_REPAIR_AP_SITE_FORMATION, GOBP_BASE_EXCISION_REPAIR_AP_SITE_FORMATION
                                                                                                                             HP_VISUAL_AGNOSIA, HP_VISUAL_AGNOSIA
                                                                                                                             HP_PREMATURE_LOSS_OF_TEETH, HP_PREMATURE_LOSS_OF_TEETH
                                                                                                                              GOBP_MODULATION_BY_HOST_OF_VIRAL_GENOME_REPLICATION, GOBP_MODULATION_BY_HOST_OF_VIRAL_GENOME_REPLICATION
                                                                                                                              HP_ADRENAL_OVERACTIVITY, HP_ADRENAL_OVERACTIVITY
                                                                                                                              HP_ABNORMAL_ENDOCRINE_PHYSIOLOGY, HP_ABNORMAL_ENDOCRINE_PHYSIOLOGY
                                                                                                                             GOMF_CALCITONIN_FAMILY_RECEPTOR_ACTIVITY, GOMF_CALCITONIN_FAMILY_RECEPTOR_ACTIVITY
                                                                                                                              MIR28 3P, MIR28 3P
                                                                                                                              GOBP_BICARBONATE_TRANSPORT, GOBP_BICARBONATE_TRANSPORT
                                                                                                                               GOBP CORONARY VASCULATURE DEVELOPMENT, GOBP CORONARY VASCULATURE DEVELOPMENT
                                                                                                                              chr15q24, chr15q24
                                                                                                                              GOBP_CARNITINE_METABOLIC_PROCESS, GOBP_CARNITINE_METABOLIC_PROCESS
                                                                                                                               HP PHYSICAL URTICARIA, HP PHYSICAL URTICARIA
                                                                                                                               HP_ABNORMALITY_OF_URINE_CALCIUM_CONCENTRATION, HP_ABNORMALITY_OF_URINE_CALCIUM_CONCENTRATION
                                                                                                                              KYNG_RESPONSE_TO_H2O2_VIA_ERCC6, KYNG_RESPONSE_TO_H2O2_VIA_ERCC6
                                                                                                                               HP_CENTRAL_APNEA, HP_CENTRAL_APNEA
                                                                                                                              GOCC_PRESYNAPTIC_CYTOSOL, GOCC_PRESYNAPTIC_CYTOSOL
                                                                                                                             GOBP_POSITIVE_REGULATION_OF_TUMOR_NECROSIS_FACTOR_MEDIATED_SIGNALING_PATHWAY, GOBP_POSITIVE_REGULATION_OF_TUMOR_NECROSIS_FACTOR_MEDIATED_SIGNALING_PATHWAY
                                                                                                                              HP_LATE_ONSET, HP_LATE_ONSET
TOPIC_PATIENT_RESTING_CD4_TCELL_DN, GSE14908_ATOPIC_VS_NONATOPIC_PATIENT_RESTING_CD4_TCELL_DN
                                                                                                                               MIR3678 5P, MIR3678 5P
                                                                                                                              REACTOME_KETONE_BODY_METABOLISM, REACTOME_KETONE_BODY_METABOLISM
                                                                                                                               GOBP_REGULATION_OF_PEPTIDYL_THREONINE_PHOSPHORYLATION, GOBP_REGULATION_OF_PEPTIDYL_THREONINE_PHOSPHORYLATION
                                                                                                                               GOBP_REGULATION_OF_ANION_CHANNEL_ACTIVITY, GOBP_REGULATION_OF_ANION_CHANNEL_ACTIVITY
                                                                                                                               REACTOME CHL1 INTERACTIONS, REACTOME CHL1 INTERACTIONS
                                                                                                                               GOBP SODIUM INDEPENDENT ORGANIC ANION TRANSPORT, GOBP SODIUM INDEPENDENT ORGANIC ANION TRANSPORT
                                                                                                                               SEITZ_NEOPLASTIC_TRANSFORMATION_BY_8P_DELETION_DN, SEITZ_NEOPLASTIC_TRANSFORMATION_BY_8P_DELETION_DN
                                                                                                                               GOBP_REGULATION_OF_INORGANIC_ANION_TRANSMEMBRANE_TRANSPORT, GOBP_REGULATION_OF_INORGANIC_ANION_TRANSMEMBRANE_TRANSPORT
                                                                                                                               HP_SUBCUTANEOUS_LIPOMA, HP_SUBCUTANEOUS_LIPOMA
                                                                                                                               HP_RECURRENT_ACUTE_RESPIRATORY_TRACT_INFECTION, HP_RECURRENT_ACUTE_RESPIRATORY_TRACT_INFECTION
                                                                                                                              GOBP_NEURAL_PLATE_PATTERN_SPECIFICATION, GOBP_NEURAL_PLATE_PATTERN_SPECIFICATION
                                                                                                                              HP CHRONIC NEUTROPENIA, HP CHRONIC NEUTROPENIA
                                                                                                                             GOBP_NEGATIVE_REGULATION_OF_CELL_MIGRATION_INVOLVED_IN_SPROUTING_ANGIOGENESIS, GOBP_NEGATIVE_REGULATION_OF_CELL_MIGRATION_INVOLVED_IN_SPROUTING_ANGIOGENESIS
                                                                                                                             chr9q32, chr9q32
                                                                                                                             MODULE 464, MODULE 464
                                                                                                                             GOBP_REGULATION_OF_AUTOPHAGOSOME_MATURATION, GOBP_REGULATION_OF_AUTOPHAGOSOME_MATURATION
                                                                                                                             GOBP REGULATION OF T CELL RECEPTOR SIGNALING PATHWAY, GOBP REGULATION OF T CELL RECEPTOR SIGNALING PATHWAY
                                                                                                                             GOBP_AMINO_ACID_BETAINE_METABOLIC_PROCESS, GOBP_AMINO_ACID_BETAINE_METABOLIC_PROCESS
                                                                                                                             GOMF_ZINC_ION_TRANSMEMBRANE_TRANSPORTER_ACTIVITY, GOMF_ZINC_ION_TRANSMEMBRANE_TRANSPORTER_ACTIVITY
                                                                                                                             GOMF_OXIDOREDUCTASE_ACTIVITY_ACTING_ON_PAIRED_DONORS_WITH_INCORPORATION_OF_MOLECULAR_OXYGEN_REDUCED_IRON_SULFUR_PROTEIN_AS_ONE_BONORS_WITH_INCORPORATION_OF_MOLECULAR_OXYGEN_REDUCED_IRON_SULFUR_PROTEIN_AS_ONE_BONORS_WITH_INCORPORATION_OF_MOLECULAR_OXYGEN_REDUCED_IRON_SULFUR_PROTEIN_AS_ONE_BONORS_WITH_INCORPORATION_OF_MOLECULAR_OXYGEN_REDUCED_IRON_SULFUR_PROTEIN_AS_ONE_BONORS_WITH_INCORPORATION_OF_MOLECULAR_OXYGEN_REDUCED_IRON_SULFUR_PROTEIN_AS_ONE_BONORS_WITH_INCORPORATION_OF_MOLECULAR_OXYGEN_REDUCED_IRON_SULFUR_PROTEIN_AS_ONE_BONORS_WITH_INCORPORATION_OF_MOLECULAR_OXYGEN_REDUCED_IRON_SULFUR_PROTEIN_AS_ONE_BONORS_WITH_INCORPORATION_OF_MOLECULAR_OXYGEN_REDUCED_IRON_SULFUR_PROTEIN_AS_ONE_BONORS_WITH_INCORPORATION_OF_MOLECULAR_OXYGEN_REDUCED_IRON_SULFUR_PROTEIN_AS_ONE_BONORS_WITH_INCORPORATION_OF_MOLECULAR_OXYGEN_REDUCED_IRON_SULFUR_PROTEIN_AS_ONE_BONORS_WITH_INCORPORATION_OF_MOLECULAR_OXYGEN_REDUCED_IRON_SULFUR_PROTEIN_AS_ONE_BONORS_WITH_INCORPORATION_OF_MOLECULAR_OXYGEN_REDUCED_IRON_SULFUR_PROTEIN_AS_ONE_BONORS_WITH_INCORPORATION_OF_MOLECULAR_OXYGEN_REDUCED_IRON_SULFUR_PROTEIN_AS_ONE_BONORS_WITH_INCORPORATION_OF_MOLECULAR_OXYGEN_REDUCED_IRON_SULFUR_PROTEIN_AS_ONE_BONORS_WITH_INCORPORATION_OXYGEN_REDUCED_IRON_SULFUR_PROTEIN_AS_ONE_BONORS_WITH_INCORPORATION_OXYGEN_REDUCED_IRON_SULFUR_PROTEIN_AS_ONE_BONORS_WITH_INCORPORATION_OXYGEN_PROTEIN_AS_ONE_BONORS_WITH_INCORPORATION_OXYGEN_PROTEIN_AS_ONE_BONORS_WITH_INCORPORATION_OXYGEN_PROTEIN_AS_ONE_BONORS_WITH_INCORPORATION_OXYGEN_PROTEIN_AS_ONE_BONORS_WITH_INCORPORATION_OXYGEN_PROTEIN_BONORS_WITH_INCORPORATION_OXYGEN_PROTEIN_BONORS_WITH_INCORPORATION_OXYGEN_PROTEIN_BONORS_WITH_INCORPORATION_OXYGEN_PROTEIN_BONORS_WITH_INCORPORATION_OXYGEN_PROTEIN_BONORS_WITH_INCORPORATION_OXYGEN_BONORS_WITH_INCORPORATION_DATABAS_ONE_BONORS_WITH_INCORPORATION_DATABAS_ONE_BONORS_WITH_INCORPORATION_DATABAS_ONE_BONORS_WITH_INCORPORATION_DATABAS_ONE_BONORS_WITH_INCORPORATION_DATABAS_ONE_BONORS_WITH_INCORPORATION_DATABAS_ONE_BONORS_WITH_INCORPORATION_DATABAS_ONE_BONORS_WITH_INCORPORATION_DATABAS_
                                                                                                                             MIR10396A_5P, MIR10396A_5P
                                                                                                                             GOBP_PROTEIN_O_LINKED_GLYCOSYLATION_VIA_THREONINE, GOBP_PROTEIN_O_LINKED_GLYCOSYLATION_VIA_THREONINE
                                                                                                                             GSE6259 33D1 POS DC VS CD8 TCELL UP, GSE6259 33D1 POS DC VS CD8 TCELL UP
                                                                                                                             HP_PROXIMAL_FEMORAL_EPIPHYSIOLYSIS, HP_PROXIMAL_FEMORAL_EPIPHYSIOLYSIS
                                                                                                                             GOBP_ZINC_ION_TRANSPORT, GOBP_ZINC_ION_TRANSPORT
                                                                                                                             GOBP_KETONE_BODY_METABOLIC_PROCESS, GOBP_KETONE_BODY_METABOLIC_PROCESS
                                                                                                                             GOMF_TRANSFORMING_GROWTH_FACTOR_BETA_RECEPTOR_ACTIVITY_TYPE_I, GOMF_TRANSFORMING_GROWTH_FACTOR_BETA_RECEPTOR_ACTIVITY_TYPE_I
                                                                                                                             HP_DECREASED_ACTIVITY_OF_MITOCHONDRIAL_COMPLEX_II, HP_DECREASED_ACTIVITY_OF_MITOCHONDRIAL_COMPLEX_II
                                                                                                                             GOBP_ISOCITRATE_METABOLIC_PROCESS, GOBP_ISOCITRATE_METABOLIC_PROCESS
                                                                                                                             GOBP_NEURAL_PLATE_REGIONALIZATION, GOBP_NEURAL_PLATE_REGIONALIZATION
                                                                                                                             GOMF_ISOCITRATE_DEHYDROGENASE_ACTIVITY, GOMF_ISOCITRATE_DEHYDROGENASE_ACTIVITY
                                                                                                                              GOMF_INTRACILIARY_TRANSPORT_PARTICLE_B_BINDING, GOMF_INTRACILIARY_TRANSPORT_PARTICLE_B_BINDING
                                                                                                                              GOBP DORSAL AORTA MORPHOGENESIS, GOBP DORSAL AORTA MORPHOGENESIS
                                                                                                                              HP_DEFORMED_RIB_CAGE, HP_DEFORMED_RIB_CAGE
                                                                                                                              HP_CONGENITAL_HEMOLYTIC_ANEMIA, HP_CONGENITAL_HEMOLYTIC_ANEMIA
                                                                                                                              WP_NAD_BIOSYNTHESIS_II_FROM_TRYPTOPHAN, WP_NAD_BIOSYNTHESIS_II_FROM_TRYPTOPHAN
                                                                                                                              HP_ANOMIA, HP_ANOMIA
                                                                                                                              GOBP DEPYRIMIDINATION, GOBP DEPYRIMIDINATION
                                                                                                                              GOBP_REGULATION_OF_MESODERMAL_CELL_DIFFERENTIATION, GOBP_REGULATION_OF_MESODERMAL_CELL_DIFFERENTIATION
                                                                                                                             GOCC_BBSOME, GOCC_BBSOME
                                                                                                                             GOCC_CLATHRIN_SCULPTED_GAMMA_AMINOBUTYRIC_ACID_TRANSPORT_VESICLE, GOCC_CLATHRIN_SCULPTED_GAMMA_AMINOBUTYRIC_ACID_TRANSPORT_VESICLE
                                                                                                                              REACTOME_SYNTHESIS_OF_KETONE_BODIES, REACTOME_SYNTHESIS_OF_KETONE_BODIES
                                                                                                                             GNF2_CDH11, GNF2_CDH11
                                                                                                                             HP_ABNORMAL_WAIST_TO_HIP_RATIO, HP_ABNORMAL_WAIST_TO_HIP_RATIO
                                                                                                                              HP_PROXIMAL_FEMORAL_METAPHYSEAL_ABNORMALITY, HP_PROXIMAL_FEMORAL_METAPHYSEAL_ABNORMALITY
                                                                                                                              HP_MOTOR_APHASIA, HP_MOTOR_APHASIA
                                                                                                                             GOBP_NEURON_PROJECTION_MAINTENANCE, GOBP_NEURON_PROJECTION_MAINTENANCE
                                                                                                                              REACTOME_ZINC_TRANSPORTERS, REACTOME_ZINC_TRANSPORTERS
                                                                                                                              HP_ABNORMAL_MORPHOLOGY_OF_MYOCARDIAL_TRABECULAE, HP_ABNORMAL_MORPHOLOGY_OF_MYOCARDIAL_TRABECULAE
                                                                                                                             GOBP_POSITIVE_REGULATION_OF_SMAD_PROTEIN_SIGNAL_TRANSDUCTION, GOBP_POSITIVE_REGULATION_OF_SMAD_PROTEIN_SIGNAL_TRANSDUCTION
                                                                                                                              GOBP_REGULATION_OF_INFLAMMATORY_RESPONSE_TO_WOUNDING, GOBP_REGULATION_OF_INFLAMMATORY_RESPONSE_TO_WOUNDING
                                                                                                                             GOCC_CLATHRIN_SCULPTED_VESICLE, GOCC_CLATHRIN_SCULPTED_VESICLE
                                                                                                                             GOCC_INTEGRAL_COMPONENT_OF_PRESYNAPTIC_ACTIVE_ZONE_MEMBRANE, GOCC_INTEGRAL_COMPONENT_OF_PRESYNAPTIC_ACTIVE_ZONE_MEMBRANE
                                                                                                                              GOCC_GLYCINERGIC_SYNAPSE, GOCC_GLYCINERGIC_SYNAPSE
                                                                                                                             HP_MULTIPLE_GASTRIC_POLYPS, HP_MULTIPLE_GASTRIC_POLYPS
                                                                                                                              HP_JERKY_OCULAR_PURSUIT_MOVEMENTS, HP_JERKY_OCULAR_PURSUIT_MOVEMENTS
                                                                                                                              HP_ABNORMAL_CIRCULATING_AMYLASE_LEVEL, HP_ABNORMAL_CIRCULATING_AMYLASE_LEVEL
                                                                                                                             GOBP_VASCULOGENESIS_INVOLVED_IN_CORONARY_VASCULAR_MORPHOGENESIS, GOBP_VASCULOGENESIS_INVOLVED_IN_CORONARY_VASCULAR_MORPHOGENESIS
                                                                                                                             GOBP_VENTRICULAR_COMPACT_MYOCARDIUM_MORPHOGENESIS, GOBP_VENTRICULAR_COMPACT_MYOCARDIUM_MORPHOGENESIS
                                                                                                                             GOBP_PHARYNGEAL_ARCH_ARTERY_MORPHOGENESIS, GOBP_PHARYNGEAL_ARCH_ARTERY_MORPHOGENESIS
                                                                                                                              GOCC_SIGNAL_RECOGNITION_PARTICLE, GOCC_SIGNAL_RECOGNITION_PARTICLE
                                                                                                                              TSUTSUMI_FBXW8_TARGETS, TSUTSUMI_FBXW8_TARGETS
                                                                                                                             GOBP_REGULATION_OF_NK_T_CELL_ACTIVATION, GOBP_REGULATION_OF_NK_T_CELL_ACTIVATION
                                                                                                                             HP_ABNORMAL_RESPONSE_TO_ENDOCRINE_STIMULATION_TEST, HP_ABNORMAL_RESPONSE_TO_ENDOCRINE_STIMULATION_TEST
                                                                                                                             GOBP_SRP_DEPENDENT_COTRANSLATIONAL_PROTEIN_TARGETING_TO_MEMBRANE_SIGNAL_SEQUENCE_RECOGNITION, GOBP_SRP_DEPENDENT_COTRANSLATIONAL_PROTEIN_TARGETING_TO_MEMBRANE_SIGNAL_SEQUENCE_RECOGNITION
                                                                                                                             GOBP_KETONE_BODY_BIOSYNTHETIC_PROCESS, GOBP_KETONE_BODY_BIOSYNTHETIC_PROCESS
                                                                                                                             MIR328_3P, MIR328_3P
                                                                                                                              VANDESLUIS_COMMD1_TARGETS_GROUP_4_DN, VANDESLUIS_COMMD1_TARGETS_GROUP_4_DN
                                                                                                                             GOBP_POSITIVE_REGULATION_OF_NK_T_CELL_ACTIVATION, GOBP_POSITIVE_REGULATION_OF_NK_T_CELL_ACTIVATION
                                                                                                                             GOBP_REGULATION_OF_LENS_FIBER_CELL_DIFFERENTIATION, GOBP_REGULATION_OF_LENS_FIBER_CELL_DIFFERENTIATION
                                                                                                                             MODULE_194, MODULE_194
                                                                                                                              GOBP_RETINAL_GANGLION_CELL_AXON_GUIDANCE, GOBP_RETINAL_GANGLION_CELL_AXON_GUIDANCE
                                                                                                                              HP_ANTINEUTROPHIL_ANTIBODY_POSITIVITY, HP_ANTINEUTROPHIL_ANTIBODY_POSITIVITY
                                                                                                                              WP_BONE_MORPHOGENIC_PROTEIN_BMP_SIGNALLING_AND_REGULATION, WP_BONE_MORPHOGENIC_PROTEIN_BMP_SIGNALLING_AND_REGULATION
                                                                                                                             LI_PBMC_ZOSTAVAX_AGE_25_40_AND_60_79YO_1DY_UP, LI_PBMC_ZOSTAVAX_AGE_25_40_AND_60_79YO_1DY_UP
                                                                                                                             GOBP_NEGATIVE_REGULATION_OF_PROTEIN_TARGETING_TO_MEMBRANE, GOBP_NEGATIVE_REGULATION_OF_PROTEIN_TARGETING_TO_MEMBRANE
                                                                                                                              HP_ABNORMALITY_OF_THE_EPIDIDYMIS, HP_ABNORMALITY_OF_THE_EPIDIDYMIS
                                                                                                                             HP_NEURALGIA, HP_NEURALGIA
                                                                                                                              GOMF_BMP_RECEPTOR_ACTIVITY, GOMF_BMP_RECEPTOR_ACTIVITY
                                                                                                                              GOMF_PHOSPHORYLATION_DEPENDENT_PROTEIN_BINDING, GOMF_PHOSPHORYLATION_DEPENDENT_PROTEIN_BINDING
                                                                                                                              REACTOME_SCAVENGING_BY_CLASS_F_RECEPTORS, REACTOME_SCAVENGING_BY_CLASS_F_RECEPTORS
                                                                                                                              HP_ADRENOCORTICOTROPIN_DEFICIENT_ADRENAL_INSUFFICIENCY, HP_ADRENOCORTICOTROPIN_DEFICIENT_ADRENAL_INSUFFICIENCY
                                                                                                                              GOBP_IRON_ION_IMPORT_ACROSS_PLASMA_MEMBRANE, GOBP_IRON_ION_IMPORT_ACROSS_PLASMA_MEMBRANE
                                                                                                                             GOBP_REGULATION_OF_GLUTAMATE_RECEPTOR_SIGNALING_PATHWAY, GOBP_REGULATION_OF_GLUTAMATE_RECEPTOR_SIGNALING_PATHWAY
                                                                                                                              GOBP_CARDIAC_CONDUCTION_SYSTEM_DEVELOPMENT, GOBP_CARDIAC_CONDUCTION_SYSTEM_DEVELOPMENT
                                                                                                                             GOBP_TOLL_LIKE_RECEPTOR_2_SIGNALING_PATHWAY, GOBP_TOLL_LIKE_RECEPTOR_2_SIGNALING_PATHWAY
                                                                                                                             GOCC_INTRINSIC_COMPONENT_OF_PRESYNAPTIC_ACTIVE_ZONE_MEMBRANE, GOCC_INTRINSIC_COMPONENT_OF_PRESYNAPTIC_ACTIVE_ZONE_MEMBRANE
                                                                                                                              GOBP_REGULATION_OF_PROTEIN_TARGETING_TO_MEMBRANE, GOBP_REGULATION_OF_PROTEIN_TARGETING_TO_MEMBRANE
                                                                                                                              GOBP_NK_T_CELL_ACTIVATION, GOBP_NK_T_CELL_ACTIVATION
                                                                                                                             HP_PHARYNGITIS, HP_PHARYNGITIS
                                                                                                                              WENG_POR_TARGETS_LIVER_DN, WENG_POR_TARGETS_LIVER_DN
                                                                                                                              REACTOME_CA2_ACTIVATED_K_CHANNELS, REACTOME_CA2_ACTIVATED_K_CHANNELS
                                                                                                                              CAO_BLOOD_FLUZONE_AGE_05_14YO_7DY_UP, CAO_BLOOD_FLUZONE_AGE_05_14YO_7DY_UP
                                                                                                                              GOBP_PROTON_TRANSPORTING_V_TYPE_ATPASE_COMPLEX_ASSEMBLY, GOBP_PROTON_TRANSPORTING_V_TYPE_ATPASE_COMPLEX_ASSEMBLY
                                                                                                                              GOBP_PLUS_END_DIRECTED_ORGANELLE_TRANSPORT_ALONG_MICROTUBULE, GOBP_PLUS_END_DIRECTED_ORGANELLE_TRANSPORT_ALONG_MICROTUBULE
                                                                                                                              GOBP_REGULATION_OF_STORE_OPERATED_CALCIUM_CHANNEL_ACTIVITY, GOBP_REGULATION_OF_STORE_OPERATED_CALCIUM_CHANNEL_ACTIVITY
                                                                                                                              GOCC_RIBBON_SYNAPSE, GOCC_RIBBON_SYNAPSE
                                                                                                                              GOMF_ASPARTIC_TYPE_ENDOPEPTIDASE_INHIBITOR_ACTIVITY, GOMF_ASPARTIC_TYPE_ENDOPEPTIDASE_INHIBITOR_ACTIVITY
                                                                                                                              GOMF_SOLUTE_BICARBONATE_SYMPORTER_ACTIVITY, GOMF_SOLUTE_BICARBONATE_SYMPORTER_ACTIVITY
                                                                                                                              GOBP_COBALAMIN_TRANSPORT, GOBP_COBALAMIN_TRANSPORT
                                                                                                                             HP_ABNORMALITY_OF_VITAMIN_A_METABOLISM, HP_ABNORMALITY_OF_VITAMIN_A_METABOLISM
                                                                                                                              GOBP_MYOBLAST_MIGRATION, GOBP_MYOBLAST_MIGRATION
                                                                                                                              GOBP_RESPIRATORY_BURST_INVOLVED_IN_DEFENSE_RESPONSE, GOBP_RESPIRATORY_BURST_INVOLVED_IN_DEFENSE_RESPONSE
                                                                                                                             GOBP_POSITIVE_REGULATION_OF_TYPE_I_INTERFERON_MEDIATED_SIGNALING_PATHWAY, GOBP_POSITIVE_REGULATION_OF_TYPE_I_INTERFERON_MEDIATED_SIGNALING_PATHWAY
                                                                                                                              HP_DECREASED_CORNEAL_REFLEX, HP_DECREASED_CORNEAL_REFLEX
                                                                                                                              GOBP_REGULATION_OF_CHLORIDE_TRANSPORT, GOBP_REGULATION_OF_CHLORIDE_TRANSPORT
                                                                                                                              HP_INTERSTITIAL_PNEUMONITIS, HP_INTERSTITIAL_PNEUMONITIS
                                                                                                                             HP_PEPTIC_ULCER, HP_PEPTIC_ULCER
                                                                                                                             GOBP_MESODERMAL_CELL_FATE_SPECIFICATION, GOBP_MESODERMAL_CELL_FATE_SPECIFICATION
                                                                                                                             GOBP_PROGRAMMED_CELL_DEATH_INVOLVED_IN_CELL_DEVELOPMENT, GOBP_PROGRAMMED_CELL_DEATH_INVOLVED_IN_CELL_DEVELOPMENT
                                                                                                                             HP_DECREASED_NUMBER_OF_LARGE_PERIPHERAL_MYELINATED_NERVE_FIBERS, HP_DECREASED_NUMBER_OF_LARGE_PERIPHERAL_MYELINATED_NERVE_FIBERS
                                                                                                                              HP_MALE_HYPOGONADISM, HP_MALE_HYPOGONADISM
                                                                                                                              GOBP_TRICUSPID_VALVE_MORPHOGENESIS, GOBP_TRICUSPID_VALVE_MORPHOGENESIS
                                                                                                                              ALONSO METASTASIS EMT DN, ALONSO METASTASIS EMT DN
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GOBP_EXOCRINE_PANCREAS_DEVELOPMENT, GOBP_EXOCRINE_PANCREAS_DEVELOPMENT
GOBP_VACUOLAR_PROTON_TRANSPORTING_V_TYPE_ATPASE_COMPLEX_ASSEMBLY, GOBP_VACUOLAR_PROTON_TRANSPORTING_V_TYPE_ATPASE_COMPLEX_ASSEMBLY
GOCC_PHOTORECEPTOR_RIBBON_SYNAPSE, GOCC_PHOTORECEPTOR_RIBBON_SYNAPSE
GOCC_3M_COMPLEX, GOCC_3M_COMPLEX
WP_SYNTHESIS_AND_DEGRADATION_OF_KETONE_BODIES, WP_SYNTHESIS_AND_DEGRADATION_OF_KETONE_BODIES
HP_DEFICIT_IN_PHONOLOGIC_SHORT_TERM_MEMORY, HP_DEFICIT_IN_PHONOLOGIC_SHORT_TERM_MEMORY
 HP INAPPROPRIATE SEXUAL BEHAVIOR, HP INAPPROPRIATE SEXUAL BEHAVIOR
HP_APPENDICULAR_HYPOTONIA, HP_APPENDICULAR_HYPOTONIA
HP_ABNORMALITY_OF_MESENTERY_MORPHOLOGY, HP_ABNORMALITY_OF_MESENTERY_MORPHOLOGY
HP_ABNORMAL_LENGTH_OF_CORPUS_CALLOSUM, HP_ABNORMAL_LENGTH_OF_CORPUS_CALLOSUM
GOBP_RIBOFLAVIN_TRANSPORT, GOBP_RIBOFLAVIN_TRANSPORT
GOBP_ACTIVATION_OF_STORE_OPERATED_CALCIUM_CHANNEL_ACTIVITY, GOBP_ACTIVATION_OF_STORE_OPERATED_CALCIUM_CHANNEL_ACTIVITY
GOBP_TRANSCRIPTION_FACTOR_CATABOLIC_PROCESS, GOBP_TRANSCRIPTION_FACTOR_CATABOLIC_PROCESS
GOMF_COA_TRANSFERASE_ACTIVITY, GOMF_COA_TRANSFERASE_ACTIVITY
GOMF_RIBOFLAVIN_TRANSMEMBRANE_TRANSPORTER_ACTIVITY, GOMF_RIBOFLAVIN_TRANSMEMBRANE_TRANSPORTER_ACTIVITY
REACTOME_HDL_CLEARANCE, REACTOME_HDL_CLEARANCE
GOBP_NEGATIVE_REGULATION_OF_INTERLEUKIN_4_PRODUCTION, GOBP_NEGATIVE_REGULATION_OF_INTERLEUKIN_4_PRODUCTION
GOCC_HFE_TRANSFERRIN_RECEPTOR_COMPLEX, GOCC_HFE_TRANSFERRIN_RECEPTOR_COMPLEX
KANG_CISPLATIN_RESISTANCE_DN, KANG_CISPLATIN_RESISTANCE_DN
HP_LYMPHANGIECTASIS, HP_LYMPHANGIECTASIS
GOBP_INOSITOL_TRISPHOSPHATE_BIOSYNTHETIC_PROCESS, GOBP_INOSITOL_TRISPHOSPHATE_BIOSYNTHETIC_PROCESS
GOBP_ZINC_ION_IMPORT_ACROSS_PLASMA_MEMBRANE, GOBP_ZINC_ION_IMPORT_ACROSS_PLASMA_MEMBRANE
GOCC_EXTRINSIC_COMPONENT_OF_ENDOPLASMIC_RETICULUM_MEMBRANE, GOCC_EXTRINSIC_COMPONENT_OF_ENDOPLASMIC_RETICULUM_MEMBRANE
REACTOME CHREBP ACTIVATES METABOLIC GENE EXPRESSION, REACTOME CHREBP ACTIVATES METABOLIC GENE EXPRESSION
GOBP_POSITIVE_REGULATION_OF_EPIDERMAL_GROWTH_FACTOR_ACTIVATED_RECEPTOR_ACTIVITY, GOBP_POSITIVE_REGULATION_OF_EPIDERMAL_GROWTH_FACTOR_ACTIVATED_RECEPTOR_ACTIVITY
REACTOME_FGFRL1_MODULATION_OF_FGFR1_SIGNALING, REACTOME_FGFRL1_MODULATION_OF_FGFR1_SIGNALING
REACTOME_ERYTHROCYTES_TAKE_UP_CARBON_DIOXIDE_AND_RELEASE_OXYGEN, REACTOME_ERYTHROCYTES_TAKE_UP_CARBON_DIOXIDE_AND_RELEASE_OXYGEN
GOBP_NEUROTRANSMITTER_BIOSYNTHETIC_PROCESS, GOBP_NEUROTRANSMITTER_BIOSYNTHETIC_PROCESS
HP_ABNORMAL_BLOOD_SODIUM_CONCENTRATION, HP_ABNORMAL_BLOOD_SODIUM_CONCENTRATION
PGBD5_TARGET_GENES, PGBD5_TARGET_GENES
HP_GOUT, HP_GOUT
GOCC_ENDOPLASMIC_RETICULUM_PLASMA_MEMBRANE_CONTACT_SITE, GOCC_ENDOPLASMIC_RETICULUM_PLASMA_MEMBRANE_CONTACT_SITE
RAFFEL_VEGFA_TARGETS_UP, RAFFEL_VEGFA_TARGETS_UP
GOBP_NEGATIVE_REGULATION_BY_HOST_OF_VIRAL_GENOME_REPLICATION, GOBP_NEGATIVE_REGULATION_BY_HOST_OF_VIRAL_GENOME_REPLICATION
DESCARTES_FETAL_ADRENAL_SLC26A4_PAEP_POSITIVE_CELLS, DESCARTES_FETAL_ADRENAL_SLC26A4_PAEP_POSITIVE_CELLS
HP_INCREASED_CIRCULATING_RENIN_LEVEL, HP_INCREASED_CIRCULATING_RENIN_LEVEL
GOBP_SALIVA_SECRETION, GOBP_SALIVA_SECRETION
GOBP_TRICUSPID_VALVE_DEVELOPMENT, GOBP_TRICUSPID_VALVE_DEVELOPMENT
GOBP_REGULATION_OF_ISOTYPE_SWITCHING_TO_IGE_ISOTYPES, GOBP_REGULATION_OF_ISOTYPE_SWITCHING_TO_IGE_ISOTYPES
GOBP_BMP_SIGNALING_PATHWAY_INVOLVED_IN_HEART_DEVELOPMENT, GOBP_BMP_SIGNALING_PATHWAY_INVOLVED_IN_HEART_DEVELOPMENT
HP_ABNORMALITY_OF_TASTE_SENSATION, HP_ABNORMALITY_OF_TASTE_SENSATION
HP_PULP_STONES, HP_PULP_STONES
HP_PROGRESSIVE_MACROCEPHALY, HP_PROGRESSIVE_MACROCEPHALY
GOMF_PHOSPHOLIPASE_A2_INHIBITOR_ACTIVITY, GOMF_PHOSPHOLIPASE_A2_INHIBITOR_ACTIVITY
GOBP_VESICLE_UNCOATING, GOBP_VESICLE_UNCOATING
GOCC_PERICILIARY_MEMBRANE_COMPARTMENT, GOCC_PERICILIARY_MEMBRANE_COMPARTMENT
GOBP_MUSCLE_CELL_MIGRATION, GOBP_MUSCLE_CELL_MIGRATION
chr7p11, chr7p11
GOBP_REGULATION_OF_CELL_FATE_SPECIFICATION, GOBP_REGULATION_OF_CELL_FATE_SPECIFICATION
REACTOME_FGFR3_LIGAND_BINDING_AND_ACTIVATION, REACTOME_FGFR3_LIGAND_BINDING_AND_ACTIVATION
HP_INTERMITTENT_JAUNDICE, HP_INTERMITTENT_JAUNDICE
GOMF_HEME_TRANSMEMBRANE_TRANSPORTER_ACTIVITY, GOMF_HEME_TRANSMEMBRANE_TRANSPORTER_ACTIVITY
MATZUK STEROIDOGENESIS, MATZUK STEROIDOGENESIS
GOCC_SPERM_FIBROUS_SHEATH, GOCC_SPERM_FIBROUS_SHEATH
GOBP_POSITIVE_REGULATION_OF_PROTEIN_TARGETING_TO_MEMBRANE, GOBP_POSITIVE_REGULATION_OF_PROTEIN_TARGETING_TO_MEMBRANE
GOMF CALCIUM ACTIVATED POTASSIUM CHANNEL ACTIVITY, GOMF CALCIUM ACTIVATED POTASSIUM CHANNEL ACTIVITY
chr14q31, chr14q31
GOBP_LENS_DEVELOPMENT_IN_CAMERA_TYPE_EYE, GOBP_LENS_DEVELOPMENT_IN_CAMERA_TYPE_EYE
 GOBP_IRON_COORDINATION_ENTITY_TRANSPORT, GOBP_IRON_COORDINATION_ENTITY_TRANSPORT
MIR1203, MIR1203
HP_ABNORMAL_PERIOSTEUM_MORPHOLOGY, HP_ABNORMAL_PERIOSTEUM_MORPHOLOGY
GOBP_REGULATION_OF_MESODERMAL_CELL_FATE_SPECIFICATION, GOBP_REGULATION_OF_MESODERMAL_CELL_FATE_SPECIFICATION
GOBP_NEGATIVE_REGULATION_OF_RESPIRATORY_BURST_INVOLVED_IN_INFLAMMATORY_RESPONSE, GOBP_NEGATIVE_REGULATION_OF_RESPIRATORY_BURST_INVOLVED_IN_INFLAMMATORY_RESPONSE
GOBP_CLATHRIN_COAT_DISASSEMBLY, GOBP_CLATHRIN_COAT_DISASSEMBLY
GOMF_TYPE_5_METABOTROPIC_GLUTAMATE_RECEPTOR_BINDING, GOMF_TYPE_5_METABOTROPIC_GLUTAMATE_RECEPTOR_BINDING
SAMOLS TARGETS OF KHSV_MIRNAS_UP, SAMOLS_TARGETS_OF_KHSV_MIRNAS_UP
KOINUMA COLON CANCER MSI DN, KOINUMA COLON CANCER MSI DN
HP_ELEVATED_ALKALINE_PHOSPHATASE_OF_BONE_ORIGIN, HP_ELEVATED_ALKALINE_PHOSPHATASE_OF_BONE_ORIGIN
GOBP_HEME_TRANSPORT, GOBP_HEME_TRANSPORT
HP ABNORMALITY OF THE PERIOSTEUM, HP ABNORMALITY OF THE PERIOSTEUM
GOBP_ECTOPIC_GERM_CELL_PROGRAMMED_CELL_DEATH, GOBP_ECTOPIC_GERM_CELL_PROGRAMMED_CELL_DEATH
GOBP POSITIVE REGULATION OF MHC CLASS I BIOSYNTHETIC PROCESS, GOBP POSITIVE REGULATION OF MHC CLASS I BIOSYNTHETIC PROCESS
HP_ABNORMAL_URINE_SODIUM_CONCENTRATION, HP_ABNORMAL_URINE_SODIUM_CONCENTRATION
HP_REPETITIVE_COMPULSIVE_BEHAVIOR, HP_REPETITIVE_COMPULSIVE_BEHAVIOR
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GOCC_ENDOCYTIC_VESICLE_LUMEN, GOCC_ENDOCYTIC_VESICLE_LUMEN

HP_HYPERNATRIURIA, HP_HYPERNATRIURIA

GOBP_MHC_CLASS_I_BIOSYNTHETIC_PROCESS, GOBP_MHC_CLASS_I_BIOSYNTHETIC_PROCESS

NAKAMURA CANCER MICROENVIRONMENT UP, NAKAMURA CANCER MICROENVIRONMENT UP

HP_ABNORMAL_LYMPHATIC_VESSEL_MORPHOLOGY, HP_ABNORMAL_LYMPHATIC_VESSEL_MORPHOLOGY