```
GSE34006 A2AR KO VS A2AR AGONIST TREATED TREG DN, GSE34006 A2AR KO VS A2AR AGONIST TREATED TREG DN
                                                                                                                          GSE14000_TRANSLATED_RNA_VS_MRNA_4H_LPS_DC_UP, GSE14000_TRANSLATED_RNA_VS_MRNA_4H_LPS_DC_UP
                                                                                                                          GSE32034_LY6C_HIGH_VS_LOW_MONOCYTE_DN, GSE32034_LY6C_HIGH_VS_LOW_MONOCYTE_DN
                                                                                                                          GSE37416_0H_VS_24H_F_TULARENSIS_LVS_NEUTROPHIL_DN, GSE37416_0H_VS_24H_F_TULARENSIS_LVS_NEUTROPHIL_DN
                                                                                                                          GSE36527_CD69_NEG_VS_POS_TREG_CD62L_LOS_KLRG1_NEG_DN, GSE36527_CD69_NEG_VS_POS_TREG_CD62L_LOS_KLRG1_NEG_DN
                                                                                                                          GSE12001_MIR223_KO_VS_WT_NEUTROPHIL_DN, GSE12001_MIR223_KO_VS_WT_NEUTROPHIL_DN
                                                                                                                          GSE36009_WT_VS_NLRP10_KO_DC_LPS_STIM_DN, GSE36009_WT_VS_NLRP10_KO_DC_LPS_STIM_DN
                                                                                                                          GSE3982_BASOPHIL_VS_CENT_MEMORY_CD4_TCELL_UP, GSE3982_BASOPHIL_VS_CENT_MEMORY_CD4_TCELL_UP
                                                                                                                          GSE17721_0.5H_VS_24H_CPG_BMDC_UP, GSE17721_0.5H_VS_24H_CPG_BMDC_UP
                                                                                                                          GOBP_CYTOSOLIC_TRANSPORT, GOBP_CYTOSOLIC_TRANSPORT
                                                                                                                          GSE27786 LSK VS BCELL DN, GSE27786 LSK VS BCELL DN
                                                                                                                          GOBP_VACUOLE_ORGANIZATION, GOBP_VACUOLE_ORGANIZATION
                                                                                                                          GSE14308 NAIVE CD4 TCELL_VS_INDUCED_TREG_UP, GSE14308_NAIVE_CD4_TCELL_VS_INDUCED_TREG_UP
                                                                                                                          GSE1925 CTRL VS 24H IFNG STIM IFNG PRIMED MACROPHAGE DN, GSE1925 CTRL VS 24H IFNG STIM IFNG PRIMED MACROPHAGE DN
                                                                                                                          GSE37301_LYMPHOID_PRIMED_MPP_VS_COMMON_LYMPHOID_PROGENITOR_DN, GSE37301_LYMPHOID_PRIMED_MPP_VS_COMMON_LYMPHOID_PROGENITOR_DN
                                                                                                                          GSE15330_WT_VS_IKAROS_KO_MEGAKARYOCYTE_ERYTHROID_PROGENITOR_DN, GSE15330_WT_VS_IKAROS_KO_MEGAKARYOCYTE_ERYTHROID_PROGENITOR_DN
                                                                                                                          GSE1448_ANTI_VALPHA2_VS_VBETA5_DP_THYMOCYTE_UP, GSE1448_ANTI_VALPHA2_VS_VBETA5_DP_THYMOCYTE_UP
                                                                                                                          GSE32164_RESTING_DIFFERENTIATED_VS_ALTERNATIVELY_ACT_M2_MACROPHAGE_DN, GSE32164_RESTING_DIFFERENTIATED_VS_ALTERNATIVELY_ACT_M2_MACROPHAGE_DN
                                                                                                                          GSE39152_CD103_NEG_VS_POS_MEMORY_CD8_TCELL_UP, GSE39152_CD103_NEG_VS_POS_MEMORY_CD8_TCELL_UP
                                                                                                                          GSE1448_CTRL_VS_ANTI_VBETA5_DP_THYMOCYTE_UP, GSE1448_CTRL_VS_ANTI_VBETA5_DP_THYMOCYTE_UP
                                                                                                                          GSE17721_0.5H_VS_4H_GARDIQUIMOD_BMDC_DN, GSE17721_0.5H_VS_4H_GARDIQUIMOD_BMDC_DN
                                                                                                                          GSE17721_CTRL_VS_POLYIC_24H_BMDC_DN, GSE17721_CTRL_VS_POLYIC_24H_BMDC_DN
                                                                                                                          GSE41087_WT_VS_FOXP3_MUT_ANTI_CD3_CD28_STIM_CD4_TCELL_UP, GSE41087_WT_VS_FOXP3_MUT_ANTI_CD3_CD28_STIM_CD4_TCELL_UP
                                                                                                                          GOCC_EARLY_ENDOSOME_MEMBRANE, GOCC_EARLY_ENDOSOME_MEMBRANE
                                                                                                                          GSE1460_NAIVE_CD4_TCELL_ADULT_BLOOD_VS_THYMIC_STROMAL_CELL_UP, GSE1460_NAIVE_CD4_TCELL_ADULT_BLOOD_VS_THYMIC_STROMAL_CELL_UP
                                                                                                                          GSE40274 EOS_VS_FOXP3_AND_EOS_TRANSDUCED_ACTIVATED_CD4_TCELL_UP, GSE40274_EOS_VS_FOXP3_AND_EOS_TRANSDUCED_ACTIVATED_CD4_TCELL_UP
                                                                                                                          ANDERSON_BLOOD_CN54GP140_ADJUVANTED_WITH_GLA_AF_AGE_18_45YO_1DY_DN, ANDERSON_BLOOD_CN54GP140_ADJUVANTED_WITH_GLA_AF_AGE_18_45YO_1DY_DN
                                                                                                                          GSE17721_CTRL_VS_CPG_12H_BMDC_DN, GSE17721_CTRL_VS_CPG_12H_BMDC_DN
                                                                                                                          HOLLERN_EMT_BREAST_TUMOR_UP, HOLLERN_EMT_BREAST_TUMOR_UP
                                                                                                                          GSE17721_LPS_VS_CPG_8H_BMDC_UP, GSE17721_LPS_VS_CPG_8H_BMDC_UP
                                                                                                                          MIR922, MIR922
                                                                                                                          YAGI AML SURVIVAL, YAGI AML SURVIVAL
                                                                                                                          GSE41176_WT_VS_TAK1_KO_UNSTIM_BCELL_UP, GSE41176_WT_VS_TAK1_KO_UNSTIM_BCELL_UP
                                                                                                                          GSE2770_IL12_VS_IL4_TREATED_ACT_CD4_TCELL_6H_UP, GSE2770_IL12_VS_IL4_TREATED_ACT_CD4_TCELL_6H_UP
                                                                                                                          MIR5008 3P, MIR5008 3P
                                                                                                                          GSE3982_EOSINOPHIL_VS_TH1_UP, GSE3982_EOSINOPHIL_VS_TH1_UP
                                                                                                                          HP_ABNORMAL_PULMONARY_VALVE_PHYSIOLOGY, HP_ABNORMAL_PULMONARY_VALVE_PHYSIOLOGY
                                                                                                                          GSE12392 IFNAR KO_VS_IFNB_KO_CD8_NEG_SPLEEN_DC_DN, GSE12392_IFNAR_KO_VS_IFNB_KO_CD8_NEG_SPLEEN_DC_DN
                                                                                                                          MIR223 3P, MIR223 3P
                                                                                                                          GSE15330_LYMPHOID_MULTIPOTENT_VS_PRO_BCELL_UP, GSE15330_LYMPHOID_MULTIPOTENT_VS_PRO_BCELL_UP
                                                                                                                          GSE17721_LPS_VS_CPG_2H_BMDC_DN, GSE17721_LPS_VS_CPG_2H_BMDC_DN
                                                                                                                          AAGGGAT MIR188, AAGGGAT MIR188
                                                                                                                          MIR338_3P, MIR338_3P
                                                                                                                          MIR7152_3P, MIR7152_3P
                                                                                                                          MODULE 576, MODULE 576
                                                                                                                          GOBP_RETROGRADE_TRANSPORT_ENDOSOME_TO_GOLGI, GOBP_RETROGRADE_TRANSPORT_ENDOSOME_TO_GOLGI
                                                                                                                          MIR2276_3P, MIR2276_3P
                                                                                                                          MIR1_5P, MIR1_5P
                                                                                                                          GOBP_VESICLE_MEDIATED_TRANSPORT_BETWEEN_ENDOSOMAL_COMPARTMENTS, GOBP_VESICLE_MEDIATED_TRANSPORT_BETWEEN_ENDOSOMAL_COMPARTMENTS
                                                                                                                          GSE3982_NEUTROPHIL_VS_BCELL_UP, GSE3982_NEUTROPHIL_VS_BCELL_UP
                                                                                                                          GOCC EXTRINSIC COMPONENT OF PLASMA MEMBRANE, GOCC EXTRINSIC COMPONENT OF PLASMA MEMBRANE
                                                                                                                          MIR3606_5P, MIR3606_5P
                                                                                                                          AACTGAC_MIR223, AACTGAC_MIR223
                                                                                                                          GTATGAT_MIR154_MIR487, GTATGAT_MIR154_MIR487
                                                                                                                          GOBP_REGULATION_OF_VACUOLE_ORGANIZATION, GOBP_REGULATION_OF_VACUOLE_ORGANIZATION
                                                                                                                          HP_PECTUS_CARINATUM, HP_PECTUS_CARINATUM
                                                                                                                          WP_HEAD_AND_NECK_SQUAMOUS_CELL_CARCINOMA, WP_HEAD_AND_NECK_SQUAMOUS_CELL_CARCINOMA
                                                                                                                          GENTILE_RESPONSE_CLUSTER_D3, GENTILE_RESPONSE_CLUSTER_D3
                                                                                                                          GOMF_TRANSCRIPTION_COREGULATOR_BINDING, GOMF_TRANSCRIPTION_COREGULATOR_BINDING
                                                                                                                          REACTOME_MTOR_SIGNALLING, REACTOME_MTOR_SIGNALLING
                                                                                                                          ATTACAT_MIR3803P, ATTACAT_MIR3803P
                                                                                                                          BURTON_ADIPOGENESIS_11, BURTON_ADIPOGENESIS_11
                                                                                                                          AGTCAGC_MIR345, AGTCAGC_MIR345
                                                                                                                          MIR5581_3P, MIR5581_3P
                                                                                                                          GOCC_SCF_UBIQUITIN_LIGASE_COMPLEX, GOCC_SCF_UBIQUITIN_LIGASE_COMPLEX
                                                                                                                          HP_ABNORMALITY_OF_EARLOBE, HP_ABNORMALITY_OF_EARLOBE
                                                                                                                          MIR8057, MIR8057
                                                                                                                          KEGG_NON_SMALL_CELL_LUNG_CANCER, KEGG_NON_SMALL_CELL_LUNG_CANCER
                                                                                                                          MIR449C 5P, MIR449C 5P
                                                                                                                          GOBP_PROTEIN_K63_LINKED_DEUBIQUITINATION, GOBP_PROTEIN_K63_LINKED_DEUBIQUITINATION
                                                                                                                          MIR34B_5P, MIR34B_5P
                                                                                                                          LIN_MELANOMA_COPY_NUMBER_DN, LIN_MELANOMA_COPY_NUMBER_DN
                                                                                                                          SIG_BCR_SIGNALING_PATHWAY, SIG_BCR_SIGNALING_PATHWAY
                                                                                                                          PID_KIT_PATHWAY, PID_KIT_PATHWAY
                                                                                                                          MIR1227_3P, MIR1227_3P
                                                                                                                          PID_TAP63_PATHWAY, PID_TAP63_PATHWAY
                                                                                                                          WP_ENDOMETRIAL_CANCER, WP_ENDOMETRIAL_CANCER
                                                                                                                          MIR4691_5P, MIR4691_5P
                                                                                                                           ARGGGTTAA_UNKNOWN, ARGGGTTAA_UNKNOWN
                                                                                                                          MIR581, MIR581
                                                                                                                          GOBP_REGULATION_OF_T_CELL_MEDIATED_IMMUNITY, GOBP_REGULATION_OF_T_CELL_MEDIATED_IMMUNITY
                                                                                                                          WP_EGFR_TYROSINE_KINASE_INHIBITOR_RESISTANCE, WP_EGFR_TYROSINE_KINASE_INHIBITOR_RESISTANCE
                                                                                                                          HP_APLASIA_HYPOPLASIA_OF_THE_EYEBROW, HP_APLASIA_HYPOPLASIA_OF_THE_EYEBROW
                                                                                                                          WP_NOTCH_SIGNALING_PATHWAY_NETPATH, WP_NOTCH_SIGNALING_PATHWAY_NETPATH
                                                                                                                          GOMF_PHOSPHATIDYLINOSITOL_3_PHOSPHATE_BINDING, GOMF_PHOSPHATIDYLINOSITOL_3_PHOSPHATE_BINDING
                                                                                                                          MIR34A_3P, MIR34A_3P
                                                                                                                          PID_TGFBR_PATHWAY, PID_TGFBR_PATHWAY
                                                                                                                          HP_SPARSE_EYEBROW, HP_SPARSE_EYEBROW
                                                                                                                          MIR1202, MIR1202
                                                                                                                          GOBP_NEGATIVE_REGULATION_OF_NEURON_DEATH, GOBP_NEGATIVE_REGULATION_OF_NEURON_DEATH
                                                                                                                          MIR6514_3P, MIR6514_3P
                                                                                                                          MIR5694, MIR5694
                                                                                                                          MIR6529_3P, MIR6529_3P
                                                                                                                          PID_FAS_PATHWAY, PID_FAS_PATHWAY
                                                                                                                          GOBP_NEGATIVE_REGULATION_OF_CELL_DEVELOPMENT, GOBP_NEGATIVE_REGULATION_OF_CELL_DEVELOPMENT
                                                                                                                          REACTOME_ENERGY_DEPENDENT_REGULATION_OF_MTOR_BY_LKB1_AMPK, REACTOME_ENERGY_DEPENDENT_REGULATION_OF_MTOR_BY_LKB1_AMPK
                                                                                                                          GOCC_EXTRINSIC_COMPONENT_OF_CYTOPLASMIC_SIDE_OF_PLASMA_MEMBRANE, GOCC_EXTRINSIC_COMPONENT_OF_CYTOPLASMIC_SIDE_OF_PLASMA_MEMBRANE
                                                                                                                          GOBP_RESPONSE_TO_EPIDERMAL_GROWTH_FACTOR, GOBP_RESPONSE_TO_EPIDERMAL_GROWTH_FACTOR
                                                                                                                          GOBP_REGULATION_OF_OSTEOCLAST_DIFFERENTIATION, GOBP_REGULATION_OF_OSTEOCLAST_DIFFERENTIATION
                                                                                                                          GOBP_NEGATIVE_REGULATION_OF_MYELOID_CELL_DIFFERENTIATION, GOBP_NEGATIVE_REGULATION_OF_MYELOID_CELL_DIFFERENTIATION
                                                                                                                          MIR3972, MIR3972
                                                                                                                          REACTOME_RHOH_GTPASE_CYCLE, REACTOME_RHOH_GTPASE_CYCLE
                                                                                                                          REACTOME_EXTRA_NUCLEAR_ESTROGEN_SIGNALING, REACTOME_EXTRA_NUCLEAR_ESTROGEN_SIGNALING
                                                                                                                          WP_CORTICOTROPINRELEASING_HORMONE_SIGNALING_PATHWAY, WP_CORTICOTROPINRELEASING_HORMONE_SIGNALING_PATHWAY
                                                                                                                          MIR4474 3P, MIR4474 3P
                                                                                                                          ZHAN_LATE_DIFFERENTIATION_GENES_UP, ZHAN_LATE_DIFFERENTIATION_GENES_UP
                                                                                                                          GOBP_REGULATION_OF_CYTOPLASMIC_TRANSPORT, GOBP_REGULATION_OF_CYTOPLASMIC_TRANSPORT
                                                                                                                          MIR4765, MIR4765
                                                                                                                          ZMYND11_TARGET_GENES, ZMYND11_TARGET_GENES
                                                                                                                          MIR182_3P, MIR182_3P
                                                                                                                          CROONQUIST NRAS VS STROMAL STIMULATION UP, CROONQUIST NRAS VS STROMAL STIMULATION UP
                                                                                                                          MIR412_3P, MIR412_3P
                                                                                                                          GNF2_LYN, GNF2_LYN
                                                                                                                          MIR591, MIR591
                                                                                                                          GOCC_PERIKARYON, GOCC_PERIKARYON
                                                                                                                          PID_PI3K_PLC_TRK_PATHWAY, PID_PI3K_PLC_TRK_PATHWAY
                                                                                                                          MIR4712_3P, MIR4712_3P
                                                                                                                          MODULE_189, MODULE_189
                                                                                                                          GOMF_TRANSCRIPTION_COACTIVATOR_BINDING, GOMF_TRANSCRIPTION_COACTIVATOR_BINDING
                                                                                                                          GOBP_REGULATION_OF_PROTEIN_TARGETING_TO_MITOCHONDRION, GOBP_REGULATION_OF_PROTEIN_TARGETING_TO_MITOCHONDRION
                                                                                                                          GOBP_TISSUE_REMODELING, GOBP_TISSUE_REMODELING
                                                                                                                          MIR3945, MIR3945
                                                                                                                          GOBP_POSITIVE_REGULATION_OF_NEURON_DEATH, GOBP_POSITIVE_REGULATION_OF_NEURON_DEATH
                                                                                                                          | SIG_IL4RECEPTOR_IN_B_LYPHOCYTES, SIG_IL4RECEPTOR_IN_B_LYPHOCYTES
                                                                                                                         CAGNYGKNAAA_UNKNOWN, CAGNYGKNAAA_UNKNOWN
                                                                                                                         MIR556_5P, MIR556_5P
                                                                                                                         WP_SEROTONIN_RECEPTOR_467_AND_NR3C_SIGNALING, WP_SEROTONIN_RECEPTOR_467_AND_NR3C_SIGNALING
                                                                                                                         HP_IMPAIRED_GLUCOSE_TOLERANCE, HP_IMPAIRED_GLUCOSE_TOLERANCE
                                                                                                                         GSE43863_TH1_VS_TFH_EFFECTOR_CD4_TCELL_UP, GSE43863_TH1_VS_TFH_EFFECTOR_CD4_TCELL_UP
                                                                                                                          MIR5009_5P, MIR5009_5P
                                                                                                                          GOBP_LYSOSOME_LOCALIZATION, GOBP_LYSOSOME_LOCALIZATION
                                                                                                                          GOBP_PROTEIN_TARGETING_TO_LYSOSOME, GOBP_PROTEIN_TARGETING_TO_LYSOSOME
                                                                                                                           MIR6858_3P, MIR6858_3P
                                                                                                                          HP_THIN_EYEBROW, HP_THIN_EYEBROW
                                                                                                                          MIR500A_3P, MIR500A_3P
                                                                                                                          HP_ABNORMALITY_OF_THE_PLANTAR_SKIN_OF_FOOT, HP_ABNORMALITY_OF_THE_PLANTAR_SKIN_OF_FOOT
                                                                                                                          / HP_APLASIA_HYPOPLASIA_OF_THE_CLAVICLES, HP_APLASIA_HYPOPLASIA_OF_THE_CLAVICLES
                                                                                                                          / GOBP_REGULATION_OF_MYELOID_LEUKOCYTE_MEDIATED_IMMUNITY, GOBP_REGULATION_OF_MYELOID_LEUKOCYTE_MEDIATED_IMMUNITY
                                                                                                                          GOCC_PRC1_COMPLEX, GOCC_PRC1_COMPLEX
                                                                                                                          MIR6894_3P, MIR6894_3P
                                                                                                                          GOMF_DYNACTIN_BINDING, GOMF_DYNACTIN_BINDING
3_KO_4H_LPS_STIM_MACROPHAGE_UP, GSE33162_HDAC3_KO_VS_HDAC3_KO_4H_LPS_STIM_MACROPHAGE_UP
                                                                                                                         GOBP_RESPONSE_TO_ACETYLCHOLINE, GOBP_RESPONSE_TO_ACETYLCHOLINE
                                                                                                                          SAGIV_CD24_TARGETS_UP, SAGIV_CD24_TARGETS_UP
                                                                                                                          REACTOME_INTERLEUKIN_3_INTERLEUKIN_5_AND_GM_CSF_SIGNALING, REACTOME_INTERLEUKIN_3_INTERLEUKIN_5_AND_GM_CSF_SIGNALING
                                                                                                                           TURJANSKI_MAPK1_AND_MAPK2_TARGETS, TURJANSKI_MAPK1_AND_MAPK2_TARGETS
                                                                                                                           HP_OVERWEIGHT, HP_OVERWEIGHT
                                                                                                                           KANG_DOXORUBICIN_RESISTANCE_DN, KANG_DOXORUBICIN_RESISTANCE_DN
                                                                                                                          REACTOME_SUMOYLATION_OF_DNA_METHYLATION_PROTEINS, REACTOME_SUMOYLATION_OF_DNA_METHYLATION_PROTEINS
                                                                                                                          REACTOME_DEREGULATED_CDK5_TRIGGERS_MULTIPLE_NEURODEGENERATIVE_PATHWAYS_IN_ALZHEIMER_S_DISEASE_MODELS, REACTOME_DEREGULATED_CDK5_TRIGGERS_MULTIPLE_NEURODEGENERATIVE_PATHWAYS_IN_ALZHEIMER_S_DISEASE_MODELS
                                                                                                                           PID_CD40_PATHWAY, PID_CD40_PATHWAY
                                                                                                                          HP_PANNICULITIS, HP_PANNICULITIS
                                                                                                                           BIOCARTA_PTEN_PATHWAY, BIOCARTA_PTEN_PATHWAY
                                                                                                                           REACTOME_TP53_REGULATES_TRANSCRIPTION_OF_ADDITIONAL_CELL_CYCLE_GENES_WHOSE_EXACT_ROLE_IN_THE_P53_PATHWAY_REMAIN_UNCERTAIN, REACTOME_TP53_REGULATES_TRANSCRIPTION_OF_ADDITIONAL_CELL_CYCLE_GENES_WHOSE_TP53_REGULATES_TRANSCRIPTION_OF_ADDITIONAL_CELL_CYCLE_GENES_WHOSE_TP53_REGULATES_TRANSCRIPTION_OF_ADDITIONAL_CELL_CYCLE_GENES_WHOSE_TP53_REGULATES_TRANSCRIPTION_OF_ADDITIONAL_CELL_CYCLE_GENES_WHOSE_TP53_REGULATES_TRANSCRIPTION_OF_ADDITIONAL_CELL_CYCLE_GENES_WHOSE_TP53_REGULATES_TRANSCRIPTION_OF_ADDITIONAL_CELL_CYCLE_GENES_WHOSE_TP53_REGULATES_TRANSCRIPTION
                                                                                                                          MIR8086, MIR8086
                                                                                                                          GOBP_REGULATION_OF_VIRAL_INDUCED_CYTOPLASMIC_PATTERN_RECOGNITION_RECEPTOR_SIGNALING_PATHWAY, GOBP_REGULATION_OF_VIRAL_INDUCED_CYTOPLASMIC_PATTERN_RECOGNITION_RECEPTOR_SIGNALING_PATHWAY
                                                                                                                          GOBP_MOTOR_NEURON_APOPTOTIC_PROCESS, GOBP_MOTOR_NEURON_APOPTOTIC_PROCESS
                                                                                                                         GOBP_INNER_CELL_MASS_CELL_PROLIFERATION, GOBP_INNER_CELL_MASS_CELL_PROLIFERATION
                                                                                                                          GOBP_T_CELL_EXTRAVASATION, GOBP_T_CELL_EXTRAVASATION
                                                                                                                         GOBP_REGULATION_OF_LEUKOCYTE_DEGRANULATION, GOBP_REGULATION_OF_LEUKOCYTE_DEGRANULATION
                                                                                                                         GOBP_POSITIVE_REGULATION_OF_AUTOPHAGOSOME_ASSEMBLY, GOBP_POSITIVE_REGULATION_OF_AUTOPHAGOSOME_ASSEMBLY
                                                                                                                          GOBP_REGULATION_OF_RIG_I_SIGNALING_PATHWAY, GOBP_REGULATION_OF_RIG_I_SIGNALING_PATHWAY
                                                                                                                          ZAK_PBMC_MRKAD5_HIV_1_GAG_POL_NEF_AGE_20_50YO_3DY_DN, ZAK_PBMC_MRKAD5_HIV_1_GAG_POL_NEF_AGE_20_50YO_3DY_DN
                                                                                                                          GOBP_REGULATION_OF_PLASMA_MEMBRANE_ORGANIZATION, GOBP_REGULATION_OF_PLASMA_MEMBRANE_ORGANIZATION
                                                                                                                          HP_ABNORMALITY_OF_IMMUNE_SERUM_PROTEIN_PHYSIOLOGY, HP_ABNORMALITY_OF_IMMUNE_SERUM_PROTEIN_PHYSIOLOGY
                                                                                                                          KEGG_DORSO_VENTRAL_AXIS_FORMATION, KEGG_DORSO_VENTRAL_AXIS_FORMATION
                                                                                                                          WP_TLR4_SIGNALING_AND_TOLERANCE, WP_TLR4_SIGNALING_AND_TOLERANCE
                                                                                                                          GOBP_POSITIVE_REGULATION_OF_CYTOPLASMIC_TRANSPORT, GOBP_POSITIVE_REGULATION_OF_CYTOPLASMIC_TRANSPORT
                                                                                                                          BAUS_TFF2_TARGETS_UP, BAUS_TFF2_TARGETS_UP
                                                                                                                          HP_INCREASED_CIRCULATING_IGA_LEVEL, HP_INCREASED_CIRCULATING_IGA_LEVEL
                                                                                                                          GOBP_POSITIVE_REGULATION_OF_VACUOLE_ORGANIZATION, GOBP_POSITIVE_REGULATION_OF_VACUOLE_ORGANIZATION
                                                                                                                          MIR1289, MIR1289
                                                                                                                          CROONQUIST_STROMAL_STIMULATION_DN, CROONQUIST_STROMAL_STIMULATION_DN
                                                                                                                          REACTOME_G_BETA_GAMMA_SIGNALLING_THROUGH_PI3KGAMMA, REACTOME_G_BETA_GAMMA_SIGNALLING_THROUGH_PI3KGAMMA
                                                                                                                          BIOCARTA_SRCRPTP_PATHWAY, BIOCARTA_SRCRPTP_PATHWAY
                                                                                                                          GOBP_REGULATION_OF_CELLULAR_EXTRAVASATION, GOBP_REGULATION_OF_CELLULAR_EXTRAVASATION
                                                                                                                          TURJANSKI_MAPK14_TARGETS, TURJANSKI_MAPK14_TARGETS
                                                                                                                          PID_IL8_CXCR1_PATHWAY, PID_IL8_CXCR1_PATHWAY
                                                                                                                          REACTOME_PRE_NOTCH_PROCESSING_IN_THE_ENDOPLASMIC_RETICULUM, REACTOME_PRE_NOTCH_PROCESSING_IN_THE_ENDOPLASMIC_RETICULUM
                                                                                                                          YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_5, YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_5
                                                                                                                          GOBP_INTERLEUKIN_18_MEDIATED_SIGNALING_PATHWAY, GOBP_INTERLEUKIN_18_MEDIATED_SIGNALING_PATHWAY
                                                                                                                           HP_SHORT_CLAVICLES, HP_SHORT_CLAVICLES
                                                                                                                          REACTOME_G_PROTEIN_BETA_GAMMA_SIGNALLING, REACTOME_G_PROTEIN_BETA_GAMMA_SIGNALLING
                                                                                                                          GOBP_GASTRULATION_WITH_MOUTH_FORMING_SECOND, GOBP_GASTRULATION_WITH_MOUTH_FORMING_SECOND
                                                                                                                          WP_SMALL_LIGAND_GPCRS, WP_SMALL_LIGAND_GPCRS
                                                                                                                          GOBP REGULATION OF MAST CELL ACTIVATION, GOBP REGULATION OF MAST CELL ACTIVATION
                                                                                                                          HP_ABNORMALITY_OF_NAIL_COLOR, HP_ABNORMALITY_OF_NAIL_COLOR
                                                                                                                          GOBP_REGULATION_OF_AXON_GUIDANCE, GOBP_REGULATION_OF_AXON_GUIDANCE
                                                                                                                          BIOCARTA_HES_PATHWAY, BIOCARTA_HES_PATHWAY
                                                                                                                          GOMF_G_PROTEIN_GAMMA_SUBUNIT_BINDING, GOMF_G_PROTEIN_GAMMA_SUBUNIT_BINDING
                                                                                                                          VALK_AML_CLUSTER_1, VALK_AML_CLUSTER_1
                                                                                                                          GOBP_NUCLEOTIDE_BINDING_OLIGOMERIZATION_DOMAIN_CONTAINING_2_SIGNALING_PATHWAY, GOBP_NUCLEOTIDE_BINDING_OLIGOMERIZATION_DOMAIN_CONTAINING_2_SIGNALING_PATHWAY
                                                                                                                          GOBP_NEGATIVE_REGULATION_OF_LIPID_METABOLIC_PROCESS, GOBP_NEGATIVE_REGULATION_OF_LIPID_METABOLIC_PROCESS
                                                                                                                          GOBP_POSITIVE_REGULATION_OF_CELLULAR_RESPONSE_TO_TRANSFORMING_GROWTH_FACTOR_BETA_STIMULUS, GOBP_POSITIVE_REGULATION_OF_CELLULAR_RESPONSE_TO_TRANSFORMING_GROWTH_FACTOR_BETA_STIMULUS
                                                                                                                          SCHLINGEMANN_SKIN_CARCINOGENESIS_TPA_DN, SCHLINGEMANN_SKIN_CARCINOGENESIS_TPA_DN
                                                                                                                          GOBP_TYPE_B_PANCREATIC_CELL_DEVELOPMENT, GOBP_TYPE_B_PANCREATIC_CELL_DEVELOPMENT
                                                                                                                          MIR1182, MIR1182
                                                                                                                          GOBP_REGULATION_OF_GROWTH_RATE, GOBP_REGULATION_OF_GROWTH_RATE
                                                                                                                          HP_INTUSSUSCEPTION, HP_INTUSSUSCEPTION
                                                                                                                          GOBP_CENTRAL_NERVOUS_SYSTEM_PROJECTION_NEURON_AXONOGENESIS, GOBP_CENTRAL_NERVOUS_SYSTEM_PROJECTION_NEURON_AXONOGENESIS
                                                                                                                          GOBP_UBIQUITIN_DEPENDENT_SMAD_PROTEIN_CATABOLIC_PROCESS, GOBP_UBIQUITIN_DEPENDENT_SMAD_PROTEIN_CATABOLIC_PROCESS
                                                                                                                          GOBP_REGULATION_OF_LIPID_TRANSPORT, GOBP_REGULATION_OF_LIPID_TRANSPORT
                                                                                                                          GOBP_RESPONSE_TO_PROSTAGLANDIN, GOBP_RESPONSE_TO_PROSTAGLANDIN
                                                                                                                          GOBP_NEGATIVE_REGULATION_OF_EXOCYTOSIS, GOBP_NEGATIVE_REGULATION_OF_EXOCYTOSIS
                                                                                                                          GOBP_CELLULAR_RESPONSE_TO_PROSTAGLANDIN_STIMULUS, GOBP_CELLULAR_RESPONSE_TO_PROSTAGLANDIN_STIMULUS
                                                                                                                          GOBP_REGULATION_OF_LIPID_LOCALIZATION, GOBP_REGULATION_OF_LIPID_LOCALIZATION
                                                                                                                          WP_SELECTIVE_EXPRESSION_OF_CHEMOKINE_RECEPTORS_DURING_TCELL_POLARIZATION, WP_SELECTIVE_EXPRESSION_OF_CHEMOKINE_RECEPTORS_DURING_TCELL_POLARIZATION
                                                                                                                          GOBP_CD4_POSITIVE_ALPHA_BETA_T_CELL_CYTOKINE_PRODUCTION, GOBP_CD4_POSITIVE_ALPHA_BETA_T_CELL_CYTOKINE_PRODUCTION
                                                                                                                          MADAN DPPA4 TARGETS, MADAN DPPA4 TARGETS
                                                                                                                          WP_MIR124_PREDICTED_INTERACTIONS_WITH_CELL_CYCLE_AND_DIFFERENTIATION, WP_MIR124_PREDICTED_INTERACTIONS_WITH_CELL_CYCLE_AND_DIFFERENTIATION
                                                                                                                          KAZMIN_PBMC_P_FALCIPARUM_RTSS_AS01_AGE_UNKNOWN_CORRELATED_WITH_PROTECTION_56DY_POSITIVE, KAZMIN_PBMC_P_FALCIPARUM_RTSS_AS01_AGE_UNKNOWN_CORRELATED_WITH_PROTECTION_56DY_POSITIVE
                                                                                                                          REACTOME_DEFECTIVE_LFNG_CAUSES_SCDO3, REACTOME_DEFECTIVE_LFNG_CAUSES_SCDO3
                                                                                                                          GOBP_PROTEIN_LOCALIZATION_TO_BASOLATERAL_PLASMA_MEMBRANE, GOBP_PROTEIN_LOCALIZATION_TO_BASOLATERAL_PLASMA_MEMBRANE
                                                                                                                          REACTOME_INTERLEUKIN_18_SIGNALING, REACTOME_INTERLEUKIN_18_SIGNALING
                                                                                                                          GOBP_RESPONSE_TO_AMYLOID_BETA, GOBP_RESPONSE_TO_AMYLOID_BETA
                                                                                                                          HP HYPERSOMNIA, HP HYPERSOMNIA
                                                                                                                          GOBP_LOOP_OF_HENLE_DEVELOPMENT, GOBP_LOOP_OF_HENLE_DEVELOPMENT
                                                                                                                          GOBP_MUSCLE_CELL_APOPTOTIC_PROCESS, GOBP_MUSCLE_CELL_APOPTOTIC_PROCESS
                                                                                                                          HP_URETHROVAGINAL_FISTULA, HP_URETHROVAGINAL_FISTULA
                                                                                                                          HP ABSENT LACRIMAL PUNCTUM, HP ABSENT LACRIMAL PUNCTUM
                                                                                                                          GOBP_UBIQUITIN_INDEPENDENT_PROTEIN_CATABOLIC_PROCESS_VIA_THE_MULTIVESICULAR_BODY_SORTING_PATHWAY, GOBP_UBIQUITIN_INDEPENDENT_PROTEIN_CATABOLIC_PROCESS_VIA_THE_MULTIVESICULAR_BODY_SORTING_PATHWAY
                                                                                                                          GOCC_MPP7_DLG1_LIN7_COMPLEX, GOCC_MPP7_DLG1_LIN7_COMPLEX
                                                                                                                          MIR4440, MIR4440
                                                                                                                          GOBP_POSITIVE_REGULATION_OF_PHOSPHOLIPID_TRANSLOCATION, GOBP_POSITIVE_REGULATION_OF_PHOSPHOLIPID_TRANSLOCATION
                                                                                                                          GOBP_EPITHELIAL_CELL_PROLIFERATION_INVOLVED_IN_PROSTATE_GLAND_DEVELOPMENT, GOBP_EPITHELIAL_CELL_PROLIFERATION_INVOLVED_IN_PROSTATE_GLAND_DEVELOPMENT
                                                                                                                          HP_SPARSE_LATERAL_EYEBROW, HP_SPARSE_LATERAL_EYEBROW
                                                                                                                           GOBP_CELLULAR_RESPONSE_TO_AMYLOID_BETA, GOBP_CELLULAR_RESPONSE_TO_AMYLOID_BETA
                                                                                                                          GOBP_PATTERN_SPECIFICATION_INVOLVED_IN_KIDNEY_DEVELOPMENT, GOBP_PATTERN_SPECIFICATION_INVOLVED_IN_KIDNEY_DEVELOPMENT
                                                                                                                          HP_ABNORMALITY_OF_THE_ANTITRAGUS, HP_ABNORMALITY_OF_THE_ANTITRAGUS
                                                                                                                          GOBP_LIPOPHAGY, GOBP_LIPOPHAGY
                                                                                                                          GOBP_REGULATION_OF_EOSINOPHIL_MIGRATION, GOBP_REGULATION_OF_EOSINOPHIL_MIGRATION
                                                                                                                          GOBP_LEFT_RIGHT_AXIS_SPECIFICATION, GOBP_LEFT_RIGHT_AXIS_SPECIFICATION
                                                                                                                          GOBP_NEGATIVE_REGULATION_OF_B_CELL_PROLIFERATION, GOBP_NEGATIVE_REGULATION_OF_B_CELL_PROLIFERATION
                                                                                                                          GOBP_POSITIVE_REGULATION_OF_KERATINOCYTE_PROLIFERATION, GOBP_POSITIVE_REGULATION_OF_KERATINOCYTE_PROLIFERATION
                                                                                                                          REACTOME_ACTIVATION_OF_THE_PHOTOTRANSDUCTION_CASCADE, REACTOME_ACTIVATION_OF_THE_PHOTOTRANSDUCTION_CASCADE
                                                                                                                          BIOCARTA_BTG2_PATHWAY, BIOCARTA_BTG2_PATHWAY
                                                                                                                          GOMF_HYDROLASE_ACTIVITY_ACTING_ON_CARBON_NITROGEN_BUT_NOT_PEPTIDE_BONDS_IN_LINEAR_AMIDINES, GOMF_HYDROLASE_ACTIVITY_ACTING_ON_CARBON_NITROGEN_BUT_NOT_PEPTIDE_BONDS_IN_LINEAR_AMIDINES
                                                                                                                          HP_PROMINENT_UMBILICUS, HP_PROMINENT_UMBILICUS
                                                                                                                          GOMF_INOSITOL_TRISPHOSPHATE_PHOSPHATASE_ACTIVITY, GOMF_INOSITOL_TRISPHOSPHATE_PHOSPHATASE_ACTIVITY
                                                                                                                          GOBP_NEGATIVE_REGULATION_OF_RESPONSE_TO_INTERFERON_GAMMA, GOBP_NEGATIVE_REGULATION_OF_RESPONSE_TO_INTERFERON_GAMMA
                                                                                                                          GOBP_VASCULAR_ENDOTHELIAL_CELL_PROLIFERATION, GOBP_VASCULAR_ENDOTHELIAL_CELL_PROLIFERATION
                                                                                                                          GOBP_POSITIVE_REGULATION_OF_VASCULAR_ENDOTHELIAL_CELL_PROLIFERATION, GOBP_POSITIVE_REGULATION_OF_VASCULAR_ENDOTHELIAL_CELL_PROLIFERATION
                                                                                                                          GOBP_PULMONARY_VALVE_MORPHOGENESIS, GOBP_PULMONARY_VALVE_MORPHOGENESIS
                                                                                                                          HP_ANTERIOR_SYNECHIAE_OF_THE_ANTERIOR_CHAMBER, HP_ANTERIOR_SYNECHIAE_OF_THE_ANTERIOR_CHAMBER
                                                                                                                          GOBP_RESPONSE_TO_CHEMOKINE, GOBP_RESPONSE_TO_CHEMOKINE
                                                                                                                          GOBP_GLOMERULUS_VASCULATURE_MORPHOGENESIS, GOBP_GLOMERULUS_VASCULATURE_MORPHOGENESIS
                                                                                                                          GOMF_PROSTAGLANDIN_E_RECEPTOR_ACTIVITY, GOMF_PROSTAGLANDIN_E_RECEPTOR_ACTIVITY
                                                                                                                          RAFFEL_VEGFA_TARGETS_DN, RAFFEL_VEGFA_TARGETS_DN
                                                                                                                          GOBP_PROXIMAL_DISTAL_PATTERN_FORMATION_INVOLVED_IN_NEPHRON_DEVELOPMENT, GOBP_PROXIMAL_DISTAL_PATTERN_FORMATION_INVOLVED_IN_NEPHRON_DEVELOPMENT
                                                                                                                          GOMF_INOSITOL_1_3_4_5_TETRAKISPHOSPHATE_5_PHOSPHATASE_ACTIVITY, GOMF_INOSITOL_1_3_4_5_TETRAKISPHOSPHATE_5_PHOSPHATASE_ACTIVITY
                                                                                                                          HP_ENLARGED_INTERPHALANGEAL_JOINTS, HP_ENLARGED_INTERPHALANGEAL_JOINTS
                                                                                                                          HP_EVERSION_OF_LATERAL_THIRD_OF_LOWER_EYELIDS, HP_EVERSION_OF_LATERAL_THIRD_OF_LOWER_EYELIDS
                                                                                                                          HP_PROMINENT_ANTITRAGUS, HP_PROMINENT_ANTITRAGUS
                                                                                                                          HP_CORNEAL_STROMAL_EDEMA, HP_CORNEAL_STROMAL_EDEMA
                                                                                                                          GOBP_BRANCHIOMOTOR_NEURON_AXON_GUIDANCE, GOBP_BRANCHIOMOTOR_NEURON_AXON_GUIDANCE
                                                                                                                          GOBP_REGULATION_OF_NEUTROPHIL_MEDIATED_CYTOTOXICITY, GOBP_REGULATION_OF_NEUTROPHIL_MEDIATED_CYTOTOXICITY
                                                                                                                          GOBP_HISTONE_H3_K27_DEMETHYLATION, GOBP_HISTONE_H3_K27_DEMETHYLATION
                                                                                                                          GOBP_PROXIMAL_TUBULE_DEVELOPMENT, GOBP_PROXIMAL_TUBULE_DEVELOPMENT
                                                                                                                          GOBP_REGULATION_OF_VESICLE_TRANSPORT_ALONG_MICROTUBULE, GOBP_REGULATION_OF_VESICLE_TRANSPORT_ALONG_MICROTUBULE
                                                                                                                          GOCC_FHF_COMPLEX, GOCC_FHF_COMPLEX
                                                                                                                          GOMF_DEOXYRIBONUCLEASE_I_ACTIVITY, GOMF_DEOXYRIBONUCLEASE_I_ACTIVITY
                                                                                                                          GOMF_SUMO_POLYMER_BINDING, GOMF_SUMO_POLYMER_BINDING
                                                                                                                          GOMF_HISTONE_DEMETHYLASE_ACTIVITY_H3_K27_SPECIFIC, GOMF_HISTONE_DEMETHYLASE_ACTIVITY_H3_K27_SPECIFIC
                                                                                                                          GOBP_RESPONSE_TO_PROSTAGLANDIN_E, GOBP_RESPONSE_TO_PROSTAGLANDIN_E
                                                                                                                          MIR25_5P, MIR25_5P
                                                                                                                          GOBP_RENAL_SYSTEM_VASCULATURE_MORPHOGENESIS, GOBP_RENAL_SYSTEM_VASCULATURE_MORPHOGENESIS
                                                                                                                          GOMF_INOSITOL_POLYPHOSPHATE_5_PHOSPHATASE_ACTIVITY, GOMF_INOSITOL_POLYPHOSPHATE_5_PHOSPHATASE_ACTIVITY
                                                                                                                          DING_LUNG_CANCER_MUTATED_RECURRENTLY, DING_LUNG_CANCER_MUTATED_RECURRENTLY
                                                                                                                          HP_UVEAL_ECTROPION, HP_UVEAL_ECTROPION
                                                                                                                          GOBP_CELLULAR_MONOVALENT_INORGANIC_ANION_HOMEOSTASIS, GOBP_CELLULAR_MONOVALENT_INORGANIC_ANION_HOMEOSTASIS
                                                                                                                          GOBP_NUCLEOTIDE_BINDING_OLIGOMERIZATION_DOMAIN_CONTAINING_1_SIGNALING_PATHWAY, GOBP_NUCLEOTIDE_BINDING_OLIGOMERIZATION_DOMAIN_CONTAINING_1_SIGNALING_PATHWAY
                                                                                                                          HP_ABNORMALITY_OF_THE_UTERINE_CERVIX, HP_ABNORMALITY_OF_THE_UTERINE_CERVIX
                                                                                                                          PID_RHODOPSIN_PATHWAY, PID_RHODOPSIN_PATHWAY
                                                                                                                          chr5q11, chr5q11
                                                                                                                          GOBP REGULATION_OF_STEROL_TRANSPORT, GOBP_REGULATION_OF_STEROL_TRANSPORT
                                                                                                                          HP_ABNORMAL_CORNEAL_ENDOTHELIUM_MORPHOLOGY, HP_ABNORMAL_CORNEAL_ENDOTHELIUM_MORPHOLOGY
                                                                                                                          PID_IL23_PATHWAY, PID_IL23_PATHWAY
                                                                                                                          HP_BASILAR_IMPRESSION, HP_BASILAR_IMPRESSION
                                                                                                                          QIU_PBMC_HEPTATITIS_B_SURFACE_ANTIGEN_AGE_UNDER50_NON_RESPONDERS_VS_RESPONDERS_28DY_UP, QIU_PBMC_HEPTATITIS_B_SURFACE_ANTIGEN_AGE_UNDER50_NON_RESPONDERS_VS_RESPONDERS_28DY_UP
                                                                                                                          HP_CHIN_WITH_HORIZONTAL_CREASE, HP_CHIN_WITH_HORIZONTAL_CREASE
                                                                                                                          GOBP_REGULATION_OF_CHOLESTEROL_EFFLUX, GOBP_REGULATION_OF_CHOLESTEROL_EFFLUX
                                                                                                                          DESCARTES MAIN FETAL BRONCHIOLAR AND ALVEOLAR EPITHELIAL CELLS, DESCARTES MAIN FETAL BRONCHIOLAR AND ALVEOLAR EPITHELIAL CELLS
                                                                                                                          GOCC_PHOTORECEPTOR_DISC_MEMBRANE, GOCC_PHOTORECEPTOR_DISC_MEMBRANE
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