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GSE46606 IRF4MID VS WT CD40L IL2 IL5 DAY3 STIMULATED BCELL DN, GSE46606 IRF4MID VS WT CD40L IL2 IL5 DAY3 STIMULATED BCELL DN
                                                                                                                            GSE339_EX_VIVO_VS_IN_CULTURE_CD8POS_DC_UP, GSE339_EX_VIVO_VS_IN_CULTURE_CD8POS_DC_UP
                                                                                                                           GSE5503_LIVER_DC_VS_MLN_DC_ACTIVATED_ALLOGENIC_TCELL_DN, GSE5503_LIVER_DC_VS_MLN_DC_ACTIVATED_ALLOGENIC_TCELL_DN
                                                                                                                           GSE5463_CTRL_VS_DEXAMETHASONE_TREATED_THYMOCYTE_UP, GSE5463_CTRL_VS_DEXAMETHASONE_TREATED_THYMOCYTE_UP
                                                                                                                           GSE22935_UNSTIM_VS_12H_MBOVIS_BCG_STIM_MACROPHAGE_UP, GSE22935_UNSTIM_VS_12H_MBOVIS_BCG_STIM_MACROPHAGE_UP
                                                                                                                           GSE17721_CTRL_VS_GARDIQUIMOD_6H_BMDC_UP, GSE17721_CTRL_VS_GARDIQUIMOD_6H_BMDC_UP
                                                                                                                           GSE9650_EFFECTOR_VS_EXHAUSTED_CD8_TCELL_UP, GSE9650_EFFECTOR_VS_EXHAUSTED_CD8_TCELL_UP
                                                                                                                           GSE7831_CPG_VS_INFLUENZA_STIM_PDC_1H_UP, GSE7831_CPG_VS_INFLUENZA_STIM_PDC_1H_UP
                                                                                                                           GSE17721_LPS_VS_POLYIC_8H_BMDC_UP, GSE17721_LPS_VS_POLYIC_8H_BMDC_UP
                                                                                                                           GSE37301_MULTIPOTENT_PROGENITOR_VS_COMMON_LYMPHOID_PROGENITOR_UP, GSE37301_MULTIPOTENT_PROGENITOR_VS_COMMON_LYMPHOID_PROGENITOR_UP
                                                                                                                           GSE411_100MIN_VS_400MIN_IL6_STIM_SOCS3_KO_MACROPHAGE_DN, GSE411_100MIN_VS_400MIN_IL6_STIM_SOCS3_KO_MACROPHAGE_DN
                                                                                                                           GSE2197 IMMUNOSUPPRESSIVE DNA VS UNTREATEDIN DC DN, GSE2197 IMMUNOSUPPRESSIVE DNA VS UNTREATEDIN DC DN
                                                                                                                           GSE339_CD8POS_VS_CD4CD8DN_DC_IN_CULTURE_DN, GSE339_CD8POS_VS_CD4CD8DN_DC_IN_CULTURE_DN
                                                                                                                           GSE44649_NAIVE_VS_ACTIVATED_CD8_TCELL_UP, GSE44649_NAIVE_VS_ACTIVATED_CD8_TCELL_UP
                                                                                                                           GSE12198_CTRL_VS_LOW_IL2_STIM_NK_CELL_UP, GSE12198_CTRL_VS_LOW_IL2_STIM_NK_CELL_UP
                                                                                                                           GSE339_CD4POS_VS_CD8POS_DC_UP, GSE339_CD4POS_VS_CD8POS_DC_UP
                                                                                                                           GSE5503_PLN_DC_VS_SPLEEN_DC_ACTIVATED_ALLOGENIC_TCELL_DN, GSE5503_PLN_DC_VS_SPLEEN_DC_ACTIVATED_ALLOGENIC_TCELL_DN
                                                                                                                           GSE12392_CD8A_POS_VS_NEG_SPLEEN_IFNB_KO_DC_UP, GSE12392_CD8A_POS_VS_NEG_SPLEEN_IFNB_KO_DC_UP
                                                                                                                           GSE23568_ID3_TRANSDUCED_VS_ID3_KO_CD8_TCELL_UP, GSE23568_ID3_TRANSDUCED_VS_ID3_KO_CD8_TCELL_UP
                                                                                                                           GSE46143_CTRL_VS_LMP2A_TRANSDUCED_CD10_POS_GC_BCELL_DN, GSE46143_CTRL_VS_LMP2A_TRANSDUCED_CD10_POS_GC_BCELL_DN
                                                                                                                           GSE10273_HIGH_VS_LOW_IL7_TREATED_IRF4_8_NULL_PRE_BCELL_DN, GSE10273_HIGH_VS_LOW_IL7_TREATED_IRF4_8_NULL_PRE_BCELL_DN
                                                                                                                           GSE18281_SUBCAPSULAR_VS_PERIMEDULLARY_CORTICAL_REGION_OF_THYMUS_UP, GSE18281_SUBCAPSULAR_VS_PERIMEDULLARY_CORTICAL_REGION_OF_THYMUS_UP
                                                                                                                           GSE9316_IL6_KO_VS_IFNG_KO_INVIVO_EXPANDED_CD4_TCELL_UP, GSE9316_IL6_KO_VS_IFNG_KO_INVIVO_EXPANDED_CD4_TCELL_UP
                                                                                                                           GSE41867_DAY6_VS_DAY15_LCMV_ARMSTRONG_EFFECTOR_CD8_TCELL_DN, GSE41867_DAY6_VS_DAY15_LCMV_ARMSTRONG_EFFECTOR_CD8_TCELL_DN
                                                                                                                           GSE2770_UNTREATED_VS_IL4_TREATED_ACT_CD4_TCELL_48H_UP, GSE2770_UNTREATED_VS_IL4_TREATED_ACT_CD4_TCELL_48H_UP
                                                                                                                           GSE20715 WT VS TLR4 KO 24H OZONE LUNG DN, GSE20715 WT VS TLR4 KO 24H OZONE LUNG DN
                                                                                                                           GSE17974_IL4_AND_ANTI_IL12_VS_UNTREATED_4H_ACT_CD4_TCELL_UP, GSE17974_IL4_AND_ANTI_IL12_VS_UNTREATED_4H_ACT_CD4_TCELL_UP
                                                                                                                           GSE7460_CD8_TCELL_VS_CD4_TCELL_ACT_UP, GSE7460_CD8_TCELL_VS_CD4_TCELL_ACT_UP
                                                                                                                           GSE43955_TH0_VS_TGFB_IL6_TH17_ACT_CD4_TCELL_20H_UP, GSE43955_TH0_VS_TGFB_IL6_TH17_ACT_CD4_TCELL_20H_UP
                                                                                                                           GSE27670_CTRL_VS_LMP1_TRANSDUCED_GC_BCELL_UP, GSE27670_CTRL_VS_LMP1_TRANSDUCED_GC_BCELL_UP
                                                                                                                           GSE1448_CTRL_VS_ANTI_VBETA5_DP_THYMOCYTE_DN, GSE1448_CTRL_VS_ANTI_VBETA5_DP_THYMOCYTE_DN
                                                                                                                           GSE17721_CTRL_VS_LPS_0.5H_BMDC_UP, GSE17721_CTRL_VS_LPS_0.5H_BMDC_UP
                                                                                                                           GSE17301_CTRL_VS_48H_IFNA2_STIM_CD8_TCELL_DN, GSE17301_CTRL_VS_48H_IFNA2_STIM_CD8_TCELL_DN
                                                                                                                           GSE1460_DP_THYMOCYTE_VS_THYMIC_STROMAL_CELL_UP, GSE1460_DP_THYMOCYTE_VS_THYMIC_STROMAL_CELL_UP
                                                                                                                           GSE17721_LPS_VS_GARDIQUIMOD_8H_BMDC_UP, GSE17721_LPS_VS_GARDIQUIMOD_8H_BMDC_UP
                                                                                                                           GSE29618_PRE_VS_DAY7_POST_TIV_FLU_VACCINE_MONOCYTE_DN, GSE29618_PRE_VS_DAY7_POST_TIV_FLU_VACCINE_MONOCYTE_DN
                                                                                                                           GSE35685_CD34POS_CD38NEG_VS_CD34POS_CD10NEG_CD62LPOS_BONE_MARROW_DN, GSE35685_CD34POS_CD38NEG_VS_CD34POS_CD10NEG_CD62LPOS_BONE_MARROW_DN
                                                                                                                           MIR5699_5P, MIR5699_5P
                                                                                                                           GSE15624_3H_VS_6H_HALOFUGINONE_TREATED_CD4_TCELL_DN, GSE15624_3H_VS_6H_HALOFUGINONE_TREATED_CD4_TCELL_DN
                                                                                                                           MIR499B_5P, MIR499B_5P
                                                                                                                           GSE33162 HDAC3 KO VS HDAC3 KO MACROPHAGE UP, GSE33162 HDAC3 KO VS HDAC3 KO MACROPHAGE UP
                                                                                                                            GSE28737_WT_VS_BCL6_HET_FOLLICULAR_BCELL_UP, GSE28737_WT_VS_BCL6_HET_FOLLICULAR_BCELL_UP
                                                                                                                            LIU_COMMON_CANCER_GENES, LIU_COMMON_CANCER_GENES
                                                                                                                            GSE27786_BCELL_VS_CD8_TCELL_DN, GSE27786_BCELL_VS_CD8_TCELL_DN
                                                                                                                            GSE21360_PRIMARY_VS_SECONDARY_MEMORY_CD8_TCELL_DN, GSE21360_PRIMARY_VS_SECONDARY_MEMORY_CD8_TCELL_DN
                                                                                                                           TERT_TARGET_GENES, TERT_TARGET_GENES
                                                                                                                            REACTOME REGULATION OF LIPID METABOLISM BY PPARALPHA, REACTOME REGULATION OF LIPID METABOLISM BY PPARALPHA
                                                                                                                            GSE12963_UNINF_VS_ENV_AND_NEF_AND_VPR_DEFICIENT_HIV1_INF_CD4_TCELL_UP, GSE12963_UNINF_VS_ENV_AND_NEF_AND_VPR_DEFICIENT_HIV1_INF_CD4_TCELL_UP
                                                                                                                            GSE360 CTRL VS B MALAYI LOW DOSE DC DN, GSE360 CTRL VS B MALAYI LOW DOSE DC DN
                                                                                                                            BYSTROEM CORRELATED WITH IL5 DN, BYSTROEM CORRELATED WITH IL5 DN
                                                                                                                            WAKASUGI HAVE ZNF143 BINDING SITES, WAKASUGI HAVE ZNF143 BINDING SITES
                                                                                                                            GOBP_POSITIVE_REGULATION_OF_PROTEIN_LOCALIZATION_TO_MEMBRANE, GOBP_POSITIVE_REGULATION_OF_PROTEIN_LOCALIZATION_TO_MEMBRANE
                                                                                                                            SETLUR_PROSTATE_CANCER_TMPRSS2_ERG_FUSION_UP, SETLUR_PROSTATE_CANCER_TMPRSS2_ERG_FUSION_UP
                                                                                                                            WP_STEROL_REGULATORY_ELEMENTBINDING_PROTEINS_SREBP_SIGNALLING, WP_STEROL_REGULATORY_ELEMENTBINDING_PROTEINS_SREBP_SIGNALLING
                                                                                                                            GOMF_STEROID_HORMONE_RECEPTOR_BINDING, GOMF_STEROID_HORMONE_RECEPTOR_BINDING
                                                                                                                           HP_ARTHRITIS, HP_ARTHRITIS
                                                                                                                           GOBP_STEROL_BIOSYNTHETIC_PROCESS, GOBP_STEROL_BIOSYNTHETIC_PROCESS
                                                                                                                           GOCC_DNA_REPAIR_COMPLEX, GOCC_DNA_REPAIR_COMPLEX
                                                                                                                           GSE15930_STIM_VS_STIM_AND_IFNAB_24H_CD8_T_CELL_UP, GSE15930_STIM_VS_STIM_AND_IFNAB_24H_CD8_T_CELL_UP
                                                                                                                           ZSCAN5B_TARGET_GENES, ZSCAN5B_TARGET_GENES
                                                                                                                           PID_HDAC_CLASSI_PATHWAY, PID_HDAC_CLASSI_PATHWAY
                                                                                                                           WP_NOVEL_INTRACELLULAR_COMPONENTS_OF_RIGILIKE_RECEPTOR_RLR_PATHWAY, WP_NOVEL_INTRACELLULAR_COMPONENTS_OF_RIGILIKE_RECEPTOR_RLR_PATHWAY
                                                                                                                           REACTOME_TRANSCRIPTIONAL_REGULATION_OF_WHITE_ADIPOCYTE_DIFFERENTIATION, REACTOME_TRANSCRIPTIONAL_REGULATION_OF_WHITE_ADIPOCYTE_DIFFERENTIATION.
                                                                                                                           CAGGGTC_MIR504, CAGGGTC_MIR504
                                                                                                                           HP_ABNORMAL_ATRIOVENTRICULAR_VALVE_MORPHOLOGY, HP_ABNORMAL_ATRIOVENTRICULAR_VALVE_MORPHOLOGY
                                                                                                                           WP_NOCGMPPKG_MEDIATED_NEUROPROTECTION, WP_NOCGMPPKG_MEDIATED_NEUROPROTECTION
                                                                                                                           HP_PARESTHESIA, HP_PARESTHESIA
                                                                                                                           MIR3929, MIR3929
                                                                                                                           HP_SLENDER_LONG_BONE, HP_SLENDER_LONG_BONE
                                                                                                                           GOBP_STEROID_BIOSYNTHETIC_PROCESS, GOBP_STEROID_BIOSYNTHETIC_PROCESS
                                                                                                                           HP_ABNORMALITY_OF_THE_THORACIC_CAVITY, HP_ABNORMALITY_OF_THE_THORACIC_CAVITY
                                                                                                                           HP_DELAYED_CRANIAL_SUTURE_CLOSURE, HP_DELAYED_CRANIAL_SUTURE_CLOSURE
                                                                                                                           ZHAN_MULTIPLE_MYELOMA_CD1_VS_CD2_UP, ZHAN_MULTIPLE_MYELOMA_CD1_VS_CD2_UP
                                                                                                                           KEGG_NATURAL_KILLER_CELL_MEDIATED_CYTOTOXICITY, KEGG_NATURAL_KILLER_CELL_MEDIATED_CYTOTOXICITY
                                                                                                                           ESC_J1_UP_EARLY.V1_UP, ESC_J1_UP_EARLY.V1_UP
                                                                                                                           GSE16266_LPS_VS_HEATSHOCK_AND_LPS_STIM_MEF_UP, GSE16266_LPS_VS_HEATSHOCK_AND_LPS_STIM_MEF_UP
                                                                                                                           HP_COARSE_HAIR, HP_COARSE_HAIR
                                                                                                                           MIR10398_5P, MIR10398_5P
                                                                                                                           GOBP_SOMATIC_DIVERSIFICATION_OF_IMMUNOGLOBULINS, GOBP_SOMATIC_DIVERSIFICATION_OF_IMMUNOGLOBULINS
                                                                                                                           HP_AUTOIMMUNITY, HP_AUTOIMMUNITY
                                                                                                                           GOBP_REGULATION_OF_DNA_BINDING, GOBP_REGULATION_OF_DNA_BINDING
                                                                                                                           GOBP_POSITIVE_REGULATION_OF_DNA_RECOMBINATION, GOBP_POSITIVE_REGULATION_OF_DNA_RECOMBINATION
                                                                                                                           KEGG_AMINO_SUGAR_AND_NUCLEOTIDE_SUGAR_METABOLISM, KEGG_AMINO_SUGAR_AND_NUCLEOTIDE_SUGAR_METABOLISM
                                                                                                                           REACTOME_INTEGRATION_OF_ENERGY_METABOLISM, REACTOME_INTEGRATION_OF_ENERGY_METABOLISM
                                                                                                                           HP_UNUSUAL_FUNGAL_INFECTION, HP_UNUSUAL_FUNGAL_INFECTION
                                                                                                                           REACTOME SIGNALING BY FGFR IN DISEASE, REACTOME SIGNALING BY FGFR IN DISEASE
                                                                                                                           MIR6839 3P, MIR6839 3P
                                                                                                                           HP_LYMPHOPENIA, HP_LYMPHOPENIA
                                                                                                                           HP_MIGRAINE, HP_MIGRAINE
                                                                                                                           MIR3169, MIR3169
                                                                                                                           REACTOME_INTERLEUKIN_3_INTERLEUKIN_5_AND_GM_CSF_SIGNALING, REACTOME_INTERLEUKIN_3_INTERLEUKIN_5_AND_GM_CSF_SIGNALING
                                                                                                                           WP_IL6_SIGNALING_PATHWAY, WP_IL6_SIGNALING_PATHWAY
                                                                                                                           HP_DEATH_IN_EARLY_ADULTHOOD, HP_DEATH_IN_EARLY_ADULTHOOD
                                                                                                                           MORF_RFC5, MORF_RFC5
                                                                                                                           GOBP_REGULATION_OF_STEROID_METABOLIC_PROCESS, GOBP_REGULATION_OF_STEROID_METABOLIC_PROCESS
                                                                                                                           REACTOME_SIGNALING_BY_CSF3_G_CSF, REACTOME_SIGNALING_BY_CSF3_G_CSF
                                                                                                                           MYAATNNNNNNGGC UNKNOWN, MYAATNNNNNNNGGC UNKNOWN
                                                                                                                            GGGATGC_MIR3245P, GGGATGC_MIR3245P
                                                                                                                           GOBP SOMATIC RECOMBINATION OF IMMUNOGLOBULIN GENE SEGMENTS, GOBP SOMATIC RECOMBINATION OF IMMUNOGLOBULIN GENE SEGMENTS
                                                                                                                           PID_PS1_PATHWAY, PID_PS1_PATHWAY
                                                                                                                           GOBP_LOCALIZATION_WITHIN_MEMBRANE, GOBP_LOCALIZATION_WITHIN_MEMBRANE
                                                                                                                           GOBP_REGULATION_OF_DEFENSE_RESPONSE_TO_VIRUS, GOBP_REGULATION_OF_DEFENSE_RESPONSE_TO_VIRUS
                                                                                                                           HP_CUTANEOUS_PHOTOSENSITIVITY, HP_CUTANEOUS_PHOTOSENSITIVITY
                                                                                                                           GOCC_DNA_HELICASE_COMPLEX, GOCC_DNA_HELICASE_COMPLEX
                                                                                                                           HP_RECURRENT_LOWER_RESPIRATORY_TRACT_INFECTIONS, HP_RECURRENT_LOWER_RESPIRATORY_TRACT_INFECTIONS
                                                                                                                           GSE3982_BCELL_VS_NKCELL_DN, GSE3982_BCELL_VS_NKCELL_DN
                                                                                                                           BIOCARTA_NKCELLS_PATHWAY, BIOCARTA_NKCELLS_PATHWAY
L10 STIM IL10 KO MACROPHAGE 10MIN DN, GSE9509 LPS VS LPS AND IL10 STIM IL10 KO MACROPHAGE 10MIN DN
                                                                                                                           GOBP_POSITIVE_REGULATION_OF_B_CELL_MEDIATED_IMMUNITY, GOBP_POSITIVE_REGULATION_OF_B_CELL_MEDIATED_IMMUNITY
                                                                                                                           GOBP_REGULATION_OF_INTRACELLULAR_STEROID_HORMONE_RECEPTOR_SIGNALING_PATHWAY, GOBP_REGULATION_OF_INTRACELLULAR_STEROID_HORMONE_RECEPTOR_
                                                                                                                            GOBP_ORGANIC_CATION_TRANSPORT, GOBP_ORGANIC_CATION_TRANSPORT
                                                                                                                            HP_AUTOIMMUNE_ANTIBODY_POSITIVITY, HP_AUTOIMMUNE_ANTIBODY_POSITIVITY
                                                                                                                            BRF1_TARGET_GENES, BRF1_TARGET_GENES
                                                                                                                           GOCC_EXTRINSIC_COMPONENT_OF_ORGANELLE_MEMBRANE, GOCC_EXTRINSIC_COMPONENT_OF_ORGANELLE_MEMBRANE
                                                                                                                           MIR147A, MIR147A
                                                                                                                           GOBP REGULATION OF IMMUNOGLOBULIN PRODUCTION, GOBP REGULATION OF IMMUNOGLOBULIN PRODUCTION
                                                                                                                           GOBP_INTERLEUKIN_4_PRODUCTION, GOBP_INTERLEUKIN_4_PRODUCTION
                                                                                                                            HP_SLOW_SACCADIC_EYE_MOVEMENTS, HP_SLOW_SACCADIC_EYE_MOVEMENTS
                                                                                                                            JAZAG_TGFB1_SIGNALING_DN, JAZAG_TGFB1_SIGNALING_DN
                                                                                                                            MIR552_3P, MIR552_3P
                                                                                                                           GOBP_RECEPTOR_CLUSTERING, GOBP_RECEPTOR_CLUSTERING
                                                                                                                           HP_ABNORMAL_BILIARY_TRACT_MORPHOLOGY, HP_ABNORMAL_BILIARY_TRACT_MORPHOLOGY
                                                                                                                           GOBP_PEPTIDYL_ARGININE_MODIFICATION, GOBP_PEPTIDYL_ARGININE_MODIFICATION
                                                                                                                           ULE_SPLICING_VIA_NOVA2, ULE_SPLICING_VIA_NOVA2
                                                                                                                           GOBP_NEUROMUSCULAR_JUNCTION_DEVELOPMENT, GOBP_NEUROMUSCULAR_JUNCTION_DEVELOPMENT
                                                                                                                           MIR4474_3P, MIR4474_3P
                                                                                                                           PID_IL3_PATHWAY, PID_IL3_PATHWAY
                                                                                                                           PID_RXR_VDR_PATHWAY, PID_RXR_VDR_PATHWAY
                                                                                                                           MIR6811_3P, MIR6811_3P
                                                                                                                           GSE32034_UNTREATED_VS_ROSIGLIZATONE_TREATED_LY6C_LOW_MONOCYTE_UP, GSE32034_UNTREATED_VS_ROSIGLIZATONE_TREATED_LY6C_LOW_MONOCYTE_UP
                                                                                                                           GOCC_RETROMER_COMPLEX, GOCC_RETROMER_COMPLEX
                                                                                                                           REACTOME_DOWNREGULATION_OF_SMAD2_3_SMAD4_TRANSCRIPTIONAL_ACTIVITY, REACTOME_DOWNREGULATION_OF_SMAD2_3_SMAD4_TRANSCRIPTIONAL_ACTIVITY
                                                                                                                           HEIDENBLAD_AMPLICON_12P11_12_DN, HEIDENBLAD_AMPLICON_12P11_12_DN
                                                                                                                           MODULE_285, MODULE_285
                                                                                                                           GOBP_MEMBRANE_DEPOLARIZATION, GOBP_MEMBRANE_DEPOLARIZATION
                                                                                                                           HP_RECURRENT_PNEUMONIA, HP_RECURRENT_PNEUMONIA
                                                                                                                           WP_PATHWAYS_OF_NUCLEIC_ACID_METABOLISM_AND_INNATE_IMMUNE_SENSING, WP_PATHWAYS_OF_NUCLEIC_ACID_METABOLISM_AND_INNATE_IMMUNE_SENSING
                                                                                                                           HP_ABNORMALITY_OF_T_CELL_PHYSIOLOGY, HP_ABNORMALITY_OF_T_CELL_PHYSIOLOGY
                                                                                                                           LINDVALL_IMMORTALIZED_BY_TERT_UP, LINDVALL_IMMORTALIZED_BY_TERT_UP
                                                                                                                           HP_MANIA, HP_MANIA
                                                                                                                           HP_RHEUMATOID_FACTOR_POSITIVE, HP_RHEUMATOID_FACTOR_POSITIVE
                                                                                                                           GOBP_POSITIVE_REGULATION_OF_CALCIUM_MEDIATED_SIGNALING, GOBP_POSITIVE_REGULATION_OF_CALCIUM_MEDIATED_SIGNALING
                                                                                                                           HP_ABNORMALITY_OF_THE_TONSILS, HP_ABNORMALITY_OF_THE_TONSILS
                                                                                                                           HP_ABNORMALLY_FOLDED_HELIX, HP_ABNORMALLY_FOLDED_HELIX
                                                                                                                           HP_RESTRICTIVE_VENTILATORY_DEFECT, HP_RESTRICTIVE_VENTILATORY_DEFECT
                                                                                                                           HP_ACNE, HP_ACNE
                                                                                                                           HP_PLATYBASIA, HP_PLATYBASIA
                                                                                                                           GOBP_INTRACELLULAR_LIPID_TRANSPORT, GOBP_INTRACELLULAR_LIPID_TRANSPORT
                                                                                                                           HP_TURRICEPHALY, HP_TURRICEPHALY
                                                                                                                           HP_APLASIA_HYPOPLASIA_OF_THE_ABDOMINAL_WALL_MUSCULATURE, HP_APLASIA_HYPOPLASIA_OF_THE_ABDOMINAL_WALL_MUSCULATURE
                                                                                                                           HP_ABNORMAL_PULMONARY_VALVE_MORPHOLOGY, HP_ABNORMAL_PULMONARY_VALVE_MORPHOLOGY
                                                                                                                           REACTOME_NUCLEOTIDE_SALVAGE, REACTOME_NUCLEOTIDE_SALVAGE
                                                                                                                           HP_ATRIAL_ARRHYTHMIA, HP_ATRIAL_ARRHYTHMIA
                                                                                                                           HP_ANKLE_CLONUS, HP_ANKLE_CLONUS
                                                                                                                           WP_TYPE_II_DIABETES_MELLITUS, WP_TYPE_II_DIABETES_MELLITUS
                                                                                                                           GOBP_DNA_METHYLATION_DEPENDENT_HETEROCHROMATIN_ASSEMBLY, GOBP_DNA_METHYLATION_DEPENDENT_HETEROCHROMATIN_ASSEMBLY
                                                                                                                           GOBP_POSITIVE_REGULATION_OF_ISOTYPE_SWITCHING, GOBP_POSITIVE_REGULATION_OF_ISOTYPE_SWITCHING
                                                                                                                           HP_TRUNCUS_ARTERIOSUS, HP_TRUNCUS_ARTERIOSUS
                                                                                                                           BIOCARTA_IL22BP_PATHWAY, BIOCARTA_IL22BP_PATHWAY
                                                                                                                           WP_WNT_SIGNALING, WP_WNT_SIGNALING
                                                                                                                           GOBP_POSITIVE_REGULATION_OF_DEFENSE_RESPONSE_TO_VIRUS_BY_HOST, GOBP_POSITIVE_REGULATION_OF_DEFENSE_RESPONSE_TO_VIRUS_BY_HOST
                                                                                                                           HP_TRICUSPID_ATRESIA, HP_TRICUSPID_ATRESIA
                                                                                                                           HP_SMALL_EARLOBE, HP_SMALL_EARLOBE
                                                                                                                           HP_MICRONODULAR_CIRRHOSIS, HP_MICRONODULAR_CIRRHOSIS
                                                                                                                            GOBP_NEGATIVE_REGULATION_OF_NERVOUS_SYSTEM_DEVELOPMENT, GOBP_NEGATIVE_REGULATION_OF_NERVOUS_SYSTEM_DEVELOPMENT
                                                                                                                            GOBP_REGULATION_OF_OSTEOBLAST_DIFFERENTIATION, GOBP_REGULATION_OF_OSTEOBLAST_DIFFERENTIATION
                                                                                                                            GOBP_NEGATIVE_REGULATION_OF_OSTEOBLAST_DIFFERENTIATION, GOBP_NEGATIVE_REGULATION_OF_OSTEOBLAST_DIFFERENTIATION
                                                                                                                            BIOCARTA_WNT_PATHWAY, BIOCARTA_WNT_PATHWAY
                                                                                                                           HP ARRHINENCEPHALY, HP ARRHINENCEPHALY
                                                                                                                            GOBP_POSITIVE_REGULATION_OF_IMMUNOGLOBULIN_PRODUCTION, GOBP_POSITIVE_REGULATION_OF_IMMUNOGLOBULIN_PRODUCTION
                                                                                                                            CCAWWNAAGG_SRF_Q4, CCAWWNAAGG_SRF_Q4
                                                                                                                            REACTOME_SYNTHESIS_OF_BILE_ACIDS_AND_BILE_SALTS, REACTOME_SYNTHESIS_OF_BILE_ACIDS_AND_BILE_SALTS
                                                                                                                            MIR4780, MIR4780
                                                                                                                            ARP1_01, ARP1_01
                                                                                                                           BIOCARTA_STAT3_PATHWAY, BIOCARTA_STAT3_PATHWAY
                                                                                                                           GOBP_NECROPTOTIC_SIGNALING_PATHWAY, GOBP_NECROPTOTIC_SIGNALING_PATHWAY
                                                                                                                           WP_MTHFR_DEFICIENCY, WP_MTHFR_DEFICIENCY
                                                                                                                           GOCC_SPERM_ANNULUS, GOCC_SPERM_ANNULUS
                                                                                                                           REACTOME_GROWTH_HORMONE_RECEPTOR_SIGNALING, REACTOME_GROWTH_HORMONE_RECEPTOR_SIGNALING
                                                                                                                           GOBP_NEGATIVE_REGULATION_OF_CELL_DEVELOPMENT, GOBP_NEGATIVE_REGULATION_OF_CELL_DEVELOPMENT
                                                                                                                           DUAN_PRDM5_TARGETS, DUAN_PRDM5_TARGETS
                                                                                                                           GOBP_COENZYME_A_METABOLIC_PROCESS, GOBP_COENZYME_A_METABOLIC_PROCESS
                                                                                                                           GOBP_GLUCOSAMINE_CONTAINING_COMPOUND_METABOLIC_PROCESS, GOBP_GLUCOSAMINE_CONTAINING_COMPOUND_METABOLIC_PROCESS
                                                                                                                           HP_RENAL_FANCONI_SYNDROME, HP_RENAL_FANCONI_SYNDROME
                                                                                                                           PID_WNT_NONCANONICAL_PATHWAY, PID_WNT_NONCANONICAL_PATHWAY
                                                                                                                           GOBP_WNT_SIGNALING_PATHWAY_CALCIUM_MODULATING_PATHWAY, GOBP_WNT_SIGNALING_PATHWAY_CALCIUM_MODULATING_PATHWAY
                                                                                                                           SA_CASPASE_CASCADE, SA_CASPASE_CASCADE
                                                                                                                           BIOCARTA_IFNA_PATHWAY, BIOCARTA_IFNA_PATHWAY
                                                                                                                           GOMF_CYSTEINE_TYPE_ENDOPEPTIDASE_ACTIVITY_INVOLVED_IN_EXECUTION_PHASE_OF_APOPTOSIS, GOMF_CYSTEINE_TYPE_ENDOPEPTIDASE_ACTIVITY_INVOLVED_IN_EXEC
                                                                                                                           GOBP_REGULATION_OF_MITOCHONDRIAL_MRNA_STABILITY, GOBP_REGULATION_OF_MITOCHONDRIAL_MRNA_STABILITY
                                                                                                                           GOMF_HISTONE_ARGININE_N_METHYLTRANSFERASE_ACTIVITY, GOMF_HISTONE_ARGININE_N_METHYLTRANSFERASE_ACTIVITY
                                                                                                                           GOBP_INTRA_S_DNA_DAMAGE_CHECKPOINT, GOBP_INTRA_S_DNA_DAMAGE_CHECKPOINT
                                                                                                                           GOBP_NUCLEOTIDE_SUGAR_BIOSYNTHETIC_PROCESS, GOBP_NUCLEOTIDE_SUGAR_BIOSYNTHETIC_PROCESS
                                                                                                                           GOBP_IMMUNOGLOBULIN_PRODUCTION, GOBP_IMMUNOGLOBULIN_PRODUCTION
                                                                                                                           REACTOME_DEACTIVATION_OF_THE_BETA_CATENIN_TRANSACTIVATING_COMPLEX, REACTOME_DEACTIVATION_OF_THE_BETA_CATENIN_TRANSACTIVATING_COMPLEX
                                                                                                                           HP_DELAYED_CLOSURE_OF_THE_ANTERIOR_FONTANELLE, HP_DELAYED_CLOSURE_OF_THE_ANTERIOR_FONTANELLE
                                                                                                                           GOBP_POSITIVE_REGULATION_OF_PROTEIN_AUTOPHOSPHORYLATION, GOBP_POSITIVE_REGULATION_OF_PROTEIN_AUTOPHOSPHORYLATION
                                                                                                                           GOMF_PYRIMIDINE_NUCLEOTIDE_SUGAR_TRANSMEMBRANE_TRANSPORTER_ACTIVITY, GOMF_PYRIMIDINE_NUCLEOTIDE_SUGAR_TRANSMEMBRANE_TRANSPORTER_ACTIVITY
                                                                                                                           HP_HYPERTHYROIDISM, HP_HYPERTHYROIDISM
                                                                                                                           GOMF GROWTH HORMONE RECEPTOR BINDING, GOMF GROWTH HORMONE RECEPTOR BINDING
                                                                                                                           GOMF_NUCLEOSIDE_KINASE_ACTIVITY, GOMF_NUCLEOSIDE_KINASE_ACTIVITY
                                                                                                                           REACTOME STING MEDIATED INDUCTION OF HOST IMMUNE RESPONSES, REACTOME STING MEDIATED INDUCTION OF HOST IMMUNE RESPONSES
                                                                                                                           HP_OCCIPITAL_MENINGOCELE, HP_OCCIPITAL_MENINGOCELE
                                                                                                                           HP_MULTIPLE_SUTURE_CRANIOSYNOSTOSIS, HP_MULTIPLE_SUTURE_CRANIOSYNOSTOSIS
                                                                                                                           WP_HIPPOYAP_SIGNALING_PATHWAY, WP_HIPPOYAP_SIGNALING_PATHWAY
                                                                                                                           MIR1255A_MIR1255B_5P, MIR1255A_MIR1255B_5P
                                                                                                                           REACTOME_VITAMIN_B5_PANTOTHENATE_METABOLISM, REACTOME_VITAMIN_B5_PANTOTHENATE_METABOLISM
                                                                                                                           GOBP_RIBOSOME_DISASSEMBLY, GOBP_RIBOSOME_DISASSEMBLY
                                                                                                                           WP_GENES_INVOLVED_IN_MALE_INFERTILITY, WP_GENES_INVOLVED_IN_MALE_INFERTILITY
                                                                                                                           HP_CORPUS_CALLOSUM_ATROPHY, HP_CORPUS_CALLOSUM_ATROPHY
                                                                                                                           HP_HYPERGONADOTROPIC_HYPOGONADISM, HP_HYPERGONADOTROPIC_HYPOGONADISM
                                                                                                                           HP_VIRAL_HEPATITIS, HP_VIRAL_HEPATITIS
                                                                                                                           HP_ABNORMAL_PLATELET_FUNCTION, HP_ABNORMAL_PLATELET_FUNCTION
                                                                                                                           SHIN B CELL LYMPHOMA CLUSTER 5, SHIN B CELL LYMPHOMA CLUSTER 5
                                                                                                                           GOBP_SKELETAL_MUSCLE_ACETYLCHOLINE_GATED_CHANNEL_CLUSTERING, GOBP_SKELETAL_MUSCLE_ACETYLCHOLINE_GATED_CHANNEL_CLUSTERING
                                                                                                                           MIR328_5P, MIR328_5P
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