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REACTOME_TOLL_LIKE_RECEPTOR_TLR1_TLR2_CASCADE, REACTOME_TOLL_LIKE_RECEPTOR_TLR1_TLR2_CASCADE
                                                 WP_B_CELL_RECEPTOR_SIGNALING_PATHWAY, WP_B_CELL_RECEPTOR_SIGNALING_PATHWAY
                                                 WP_LEPTIN_SIGNALING_PATHWAY, WP_LEPTIN_SIGNALING_PATHWAY
                                                 KEGG_LEISHMANIA_INFECTION, KEGG_LEISHMANIA_INFECTION
                                                 WP_HOSTPATHOGEN_INTERACTION_OF_HUMAN_CORONA_VIRUSES_MAPK_SIGNALING, WP_HOSTPATHOGEN_INTERACTION_OF_HUMAN_CORONA_VIRUSES_MAPK_SIGNALING
                                                 WP_STRUCTURAL_PATHWAY_OF_INTERLEUKIN_1_IL1, WP_STRUCTURAL_PATHWAY_OF_INTERLEUKIN_1_IL1
                                                 SA_B_CELL_RECEPTOR_COMPLEXES, SA_B_CELL_RECEPTOR_COMPLEXES
                                                 WP_SEROTONIN_RECEPTOR_467_AND_NR3C_SIGNALING, WP_SEROTONIN_RECEPTOR_467_AND_NR3C_SIGNALING
                                                 BIOCARTA_HCMV_PATHWAY, BIOCARTA_HCMV_PATHWAY
                                                 PID_IL6_7_PATHWAY, PID_IL6_7_PATHWAY
                                                 WP_SIGNALING_OF_HEPATOCYTE_GROWTH_FACTOR_RECEPTOR, WP_SIGNALING_OF_HEPATOCYTE_GROWTH_FACTOR_RECEPTOR
                                                 KEGG_RENAL_CELL_CARCINOMA, KEGG_RENAL_CELL_CARCINOMA
                                                 PID_ANGIOPOIETIN_RECEPTOR_PATHWAY, PID_ANGIOPOIETIN_RECEPTOR_PATHWAY
                                                 BIOCARTA_P38MAPK_PATHWAY, BIOCARTA_P38MAPK_PATHWAY
                                                 PID_IL23_PATHWAY, PID_IL23_PATHWAY
                                                 REACTOME_TRAF6_MEDIATED_NF_KB_ACTIVATION, REACTOME_TRAF6_MEDIATED_NF_KB_ACTIVATION
                                                 BIOCARTA_MET_PATHWAY, BIOCARTA_MET_PATHWAY
                                                 PID_FCER1_PATHWAY, PID_FCER1_PATHWAY
                                                 WP_INTERACTIONS_BETWEEN_IMMUNE_CELLS_AND_MICRORNAS_IN_TUMOR_MICROENVIRONMENT, WP_INTERACTIONS_BETWEEN_IMMUNE_CELLS_AND_MICRORNAS_IN_TUM
                                                 REACTOME_CREB_PHOSPHORYLATION, REACTOME_CREB_PHOSPHORYLATION
                                                 WP_P38_MAPK_SIGNALING_PATHWAY, WP_P38_MAPK_SIGNALING_PATHWAY
                                                 REACTOME_SIGNALING_BY_ERYTHROPOIETIN, REACTOME_SIGNALING_BY_ERYTHROPOIETIN
                                                 WP_ESTROGEN_SIGNALING_PATHWAY, WP_ESTROGEN_SIGNALING_PATHWAY
                                                 BIOCARTA_PDGF_PATHWAY, BIOCARTA_PDGF_PATHWAY
                                                 PID P38 ALPHA BETA PATHWAY, PID P38 ALPHA BETA PATHWAY
                                                 WP_ATM_SIGNALING_NETWORK_IN_DEVELOPMENT_AND_DISEASE, WP_ATM_SIGNALING_NETWORK_IN_DEVELOPMENT_AND_DISEASE
                                                 REACTOME_RHO_GTPASES_ACTIVATE_PAKS, REACTOME_RHO_GTPASES_ACTIVATE_PAKS
                                                 PID_RET_PATHWAY, PID_RET_PATHWAY
                                                 REACTOME_SEMAPHORIN_INTERACTIONS, REACTOME_SEMAPHORIN_INTERACTIONS
                                                 REACTOME_TIE2_SIGNALING, REACTOME_TIE2_SIGNALING
                                                 REACTOME_CD209_DC_SIGN_SIGNALING, REACTOME_CD209_DC_SIGN_SIGNALING
                                                 WP_MITOCHONDRIAL_GENE_EXPRESSION, WP_MITOCHONDRIAL_GENE_EXPRESSION
                                                 REACTOME_KSRP_KHSRP_BINDS_AND_DESTABILIZES_MRNA, REACTOME_KSRP_KHSRP_BINDS_AND_DESTABILIZES_MRNA
                                                 BIOCARTA_TPO_PATHWAY, BIOCARTA_TPO_PATHWAY
                                                 BIOCARTA_NGF_PATHWAY, BIOCARTA_NGF_PATHWAY
                                                 REACTOME_RHO_GTPASES_ACTIVATE_WASPS_AND_WAVES, REACTOME_RHO_GTPASES_ACTIVATE_WASPS_AND_WAVES
                                                 PID_LYMPH_ANGIOGENESIS_PATHWAY, PID_LYMPH_ANGIOGENESIS_PATHWAY
                                                 PID_P38_ALPHA_BETA_DOWNSTREAM_PATHWAY, PID_P38_ALPHA_BETA_DOWNSTREAM_PATHWAY
                                                 REACTOME_RUNX2_REGULATES_BONE_DEVELOPMENT, REACTOME_RUNX2_REGULATES_BONE_DEVELOPMENT
                                                 PID_AVB3_OPN_PATHWAY, PID_AVB3_OPN_PATHWAY
                                                 REACTOME_TRANSCRIPTIONAL_REGULATION_OF_WHITE_ADIPOCYTE_DIFFERENTIATION, REACTOME_TRANSCRIPTIONAL_REGULATION_OF_WHITE_ADIPOCYTE_DIFFERENTIATION.
APK_PATHWAY, BIOCARTA_MAPK_PATHWAY
                                                 WP_IL1_SIGNALING_PATHWAY, WP_IL1_SIGNALING_PATHWAY
                                                 REACTOME_SIGNALING_BY_CYTOSOLIC_FGFR1_FUSION_MUTANTS, REACTOME_SIGNALING_BY_CYTOSOLIC_FGFR1_FUSION_MUTANTS
                                                 REACTOME_MAPK_TARGETS_NUCLEAR_EVENTS_MEDIATED_BY_MAP_KINASES, REACTOME_MAPK_TARGETS_NUCLEAR_EVENTS_MEDIATED_BY_MAP_KINASES
                                                 REACTOME_SIGNALING_BY_PDGF, REACTOME_SIGNALING_BY_PDGF
                                                 BIOCARTA_INFLAM_PATHWAY, BIOCARTA_INFLAM_PATHWAY
                                                 REACTOME_DAP12_SIGNALING, REACTOME_DAP12_SIGNALING
                                                 REACTOME_SIGNALING_BY_FLT3_FUSION_PROTEINS, REACTOME_SIGNALING_BY_FLT3_FUSION_PROTEINS
                                                 WP_MAPK_AND_NFKB_SIGNALLING_PATHWAYS_INHIBITED_BY_YERSINIA_YOPJ, WP_MAPK_AND_NFKB_SIGNALLING_PATHWAYS_INHIBITED_BY_YERSINIA_YOPJ
                                                 BIOCARTA_IFNG_PATHWAY, BIOCARTA_IFNG_PATHWAY
                                                 REACTOME_SIGNALING_BY_NTRK3_TRKC, REACTOME_SIGNALING_BY_NTRK3_TRKC
                                                 BIOCARTA_IGF1_PATHWAY, BIOCARTA_IGF1_PATHWAY
                                                 BIOCARTA INSULIN PATHWAY, BIOCARTA INSULIN PATHWAY
                                                 BIOCARTA_NKCELLS_PATHWAY, BIOCARTA_NKCELLS_PATHWAY
                                                 REACTOME_SIGNALING_BY_FLT3_ITD_AND_TKD_MUTANTS, REACTOME_SIGNALING_BY_FLT3_ITD_AND_TKD_MUTANTS
                                                 REACTOME_RUNX2_REGULATES_OSTEOBLAST_DIFFERENTIATION, REACTOME_RUNX2_REGULATES_OSTEOBLAST_DIFFERENTIATION
                                                 PID_GLYPICAN_1PATHWAY, PID_GLYPICAN_1PATHWAY
                                                 BIOCARTA_EPO_PATHWAY, BIOCARTA_EPO_PATHWAY
                                                 BIOCARTA_ATM_PATHWAY, BIOCARTA_ATM_PATHWAY
                                                 KEGG_LEUKOCYTE_TRANSENDOTHELIAL_MIGRATION, KEGG_LEUKOCYTE_TRANSENDOTHELIAL_MIGRATION
                                                 WP_IL4_SIGNALING_PATHWAY, WP_IL4_SIGNALING_PATHWAY
                                                 PID_IL27_PATHWAY, PID_IL27_PATHWAY
                                                 REACTOME_SMOOTH_MUSCLE_CONTRACTION, REACTOME_SMOOTH_MUSCLE_CONTRACTION
                                                 REACTOME_SIGNALING_BY_FGFR1_IN_DISEASE, REACTOME_SIGNALING_BY_FGFR1_IN_DISEASE
                                                 REACTOME_RHOH_GTPASE_CYCLE, REACTOME_RHOH_GTPASE_CYCLE
                                                 WP_BDNFTRKB_SIGNALING, WP_BDNFTRKB_SIGNALING
                                                 BIOCARTA_41BB_PATHWAY, BIOCARTA_41BB_PATHWAY
                                                 PID_P38_MKK3_6PATHWAY, PID_P38_MKK3_6PATHWAY
                                                 REACTOME_RHO_GTPASES_ACTIVATE_NADPH_OXIDASES, REACTOME_RHO_GTPASES_ACTIVATE_NADPH_OXIDASES
                                                 PID_CD40_PATHWAY, PID_CD40_PATHWAY
                                                 PID_GMCSF_PATHWAY, PID_GMCSF_PATHWAY
                                                 BIOCARTA_CD40_PATHWAY, BIOCARTA_CD40_PATHWAY
                                                 BIOCARTA_STRESS_PATHWAY, BIOCARTA_STRESS_PATHWAY
                                                 WP_MAPK_PATHWAY_IN_CONGENITAL_THYROID_CANCER, WP_MAPK_PATHWAY_IN_CONGENITAL_THYROID_CANCER
                                                 REACTOME_ONCOGENIC_MAPK_SIGNALING, REACTOME_ONCOGENIC_MAPK_SIGNALING
                                                 WP_PDGFRBETA_PATHWAY, WP_PDGFRBETA_PATHWAY
                                                 WP_PDGF_PATHWAY, WP_PDGF_PATHWAY
                                                 BIOCARTA GATA3 PATHWAY, BIOCARTA GATA3 PATHWAY
                                                 BIOCARTA_HBX_PATHWAY, BIOCARTA_HBX_PATHWAY
                                                 REACTOME_IKBA_VARIANT_LEADS_TO_EDA_ID, REACTOME_IKBA_VARIANT_LEADS_TO_EDA_ID
                                                 WP_G13_SIGNALING_PATHWAY, WP_G13_SIGNALING_PATHWAY
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REACTOME TOLL LIKE RECEPTOR 9 TLR9 CASCADE, REACTOME TOLL LIKE RECEPTOR 9 TLR9 CASCADE

WP_PROLACTIN_SIGNALING_PATHWAY, WP_PROLACTIN_SIGNALING_PATHWAY

PID_MTOR_4PATHWAY, PID_MTOR_4PATHWAY

PID_RXR_VDR_PATHWAY, PID_RXR_VDR_PATHWAY

WP_TYPE_II_DIABETES_MELLITUS, WP_TYPE_II_DIABETES_MELLITUS