```
REACTOME S PHASE, REACTOME S PHASE
                                                                                    REACTOME MITOTIC G1 PHASE AND G1 S TRANSITION, REACTOME MITOTIC G1 PHASE AND G1 S TRANSITION
                                                                                    REACTOME_MITOTIC_G2_G2_M_PHASES, REACTOME_MITOTIC_G2_G2_M_PHASES
                                                                                    REACTOME MITOTIC SPINDLE CHECKPOINT, REACTOME MITOTIC SPINDLE CHECKPOINT
                                                                                    REACTOME SUMOYLATION, REACTOME SUMOYLATION
                                                                                    REACTOME_DNA_REPLICATION, REACTOME_DNA_REPLICATION
                                                                                    REACTOME_G2_M_CHECKPOINTS, REACTOME_G2_M_CHECKPOINTS
                                                                                    REACTOME_TRNA_PROCESSING, REACTOME_TRNA_PROCESSING
                                                                                    REACTOME_RESOLUTION_OF_SISTER_CHROMATID_COHESION, REACTOME_RESOLUTION_OF_SISTER_CHROMATID_COHESION
                                                                                    REACTOME_REGULATION_OF_EXPRESSION_OF_SLITS_AND_ROBOS, REACTOME_REGULATION_OF_EXPRESSION_OF_SLITS_AND_ROBOS
                                                                                    REACTOME HOST INTERACTIONS OF HIV FACTORS, REACTOME HOST INTERACTIONS OF HIV FACTORS
                                                                                    REACTOME_HCMV_INFECTION, REACTOME_HCMV_INFECTION
                                                                                    REACTOME_HCMV_LATE_EVENTS, REACTOME_HCMV_LATE_EVENTS
                                                                                    REACTOME MITOTIC PROPHASE, REACTOME MITOTIC PROPHASE
                                                                                    REACTOME_ANTIVIRAL_MECHANISM_BY_IFN_STIMULATED_GENES, REACTOME_ANTIVIRAL_MECHANISM_BY_IFN_STIMULATED_GENES
                                                                                    REACTOME_SUMOYLATION_OF_DNA_DAMAGE_RESPONSE_AND_REPAIR_PROTEINS, REACTOME_SUMOYLATION_OF_DNA_DAMAGE_RESPONSE_AND_REPAIR_PROTEINS
                                                                                    REACTOME_DNA_REPLICATION_PRE_INITIATION, REACTOME_DNA_REPLICATION_PRE_INITIATION
                                                                                    REACTOME_PTEN_REGULATION, REACTOME_PTEN_REGULATION
                                                                                   REACTOME_APOPTOSIS, REACTOME_APOPTOSIS
                                                                                    REACTOME_RHO_GTPASES_ACTIVATE_FORMINS, REACTOME_RHO_GTPASES_ACTIVATE_FORMINS
                                                                                   REACTOME_SWITCHING_OF_ORIGINS_TO_A_POST_REPLICATIVE_STATE, REACTOME_SWITCHING_OF_ORIGINS_TO_A_POST_REPLICATIVE_STATE
                                                                                   REACTOME_HCMV_EARLY_EVENTS, REACTOME_HCMV_EARLY_EVENTS
                                                                                   REACTOME_SUMOYLATION_OF_CHROMATIN_ORGANIZATION_PROTEINS, REACTOME_SUMOYLATION_OF_CHROMATIN_ORGANIZATION_PROTEINS
                                                                                   REACTOME_GOLGI_TO_ER_RETROGRADE_TRANSPORT, REACTOME_GOLGI_TO_ER_RETROGRADE_TRANSPORT
                                                                                   REACTOME NS1 MEDIATED EFFECTS ON HOST PATHWAYS, REACTOME NS1 MEDIATED EFFECTS ON HOST PATHWAYS
                                                                                    REACTOME_ASSEMBLY_OF_THE_PRE_REPLICATIVE_COMPLEX, REACTOME_ASSEMBLY_OF_THE_PRE_REPLICATIVE_COMPLEX
                                                                                    REACTOME CELLULAR SENESCENCE, REACTOME CELLULAR SENESCENCE
                                                                                   REACTOME_REGULATION_OF_MRNA_STABILITY_BY_PROTEINS_THAT_BIND_AU_RICH_ELEMENTS, REACTOME_REGULATION_OF_MRNA_STABILITY_BY_PROTEINS_THAT_BIND_AU_RICH_ELEMENTS
                                                                                    REACTOME_INTERACTIONS_OF_REV_WITH_HOST_CELLULAR_PROTEINS, REACTOME_INTERACTIONS_OF_REV_WITH_HOST_CELLULAR_PROTEINS
                                                                                    REACTOME_REGULATION_OF_PLK1_ACTIVITY_AT_G2_M_TRANSITION, REACTOME_REGULATION_OF_PLK1_ACTIVITY_AT_G2_M_TRANSITION
                                                                                    REACTOME_CYCLIN_A_CDK2_ASSOCIATED_EVENTS_AT_S_PHASE_ENTRY, REACTOME_CYCLIN_A_CDK2_ASSOCIATED_EVENTS_AT_S_PHASE_ENTRY
                                                                                    REACTOME_TRNA_PROCESSING_IN_THE_NUCLEUS, REACTOME_TRNA_PROCESSING_IN_THE_NUCLEUS
                                                                                   REACTOME_RECRUITMENT_OF_MITOTIC_CENTROSOME_PROTEINS_AND_COMPLEXES, REACTOME_RECRUITMENT_OF_MITOTIC_CENTROSOME_PROTEINS_AND_COMPLEXES
                                                                                   REACTOME_APC_C_MEDIATED_DEGRADATION_OF_CELL_CYCLE_PROTEINS, REACTOME_APC_C_MEDIATED_DEGRADATION_OF_CELL_CYCLE_PROTEINS
                                                                                   REACTOME_ORC1_REMOVAL_FROM_CHROMATIN, REACTOME_ORC1_REMOVAL_FROM_CHROMATIN
                                                                                   REACTOME_NUCLEAR_ENVELOPE_BREAKDOWN, REACTOME_NUCLEAR_ENVELOPE_BREAKDOWN
                                                                                   REACTOME_APC_C_CDH1_MEDIATED_DEGRADATION_OF_CDC20_AND_OTHER_APC_C_CDH1_TARGETED_PROTEINS_IN_LATE_MITOSIS_EARLY_G1, REACTOME_APC_C_CDH1_MEDIATED_DEGRADATION_OF_CDC20_AND_OTHER_APC_C_CDH1_TARGETED_PROTEINS_IN_LATE_MITOSIS_EARLY_G1
                                                                                   REACTOME_SUMOYLATION_OF_RNA_BINDING_PROTEINS, REACTOME_SUMOYLATION_OF_RNA_BINDING_PROTEINS
                                                                                   REACTOME_CELLULAR_RESPONSE_TO_CHEMICAL_STRESS, REACTOME_CELLULAR_RESPONSE_TO_CHEMICAL_STRESS
                                                                                   PID_PLK1_PATHWAY, PID_PLK1_PATHWAY
                                                                                   REACTOME_EXPORT_OF_VIRAL_RIBONUCLEOPROTEINS_FROM_NUCLEUS, REACTOME_EXPORT_OF_VIRAL_RIBONUCLEOPROTEINS_FROM_NUCLEUS
                                                                                   REACTOME_ANCHORING_OF_THE_BASAL_BODY_TO_THE_PLASMA_MEMBRANE, REACTOME_ANCHORING_OF_THE_BASAL_BODY_TO_THE_PLASMA_MEMBRANE
                                                                                   REACTOME_UCH_PROTEINASES, REACTOME_UCH_PROTEINASES
                                                                                    REACTOME_DEGRADATION_OF_BETA_CATENIN_BY_THE_DESTRUCTION_COMPLEX, REACTOME_DEGRADATION_OF_BETA_CATENIN_BY_THE_DESTRUCTION_COMPLEX
                                                                                   REACTOME NUCLEAR IMPORT OF REV PROTEIN, REACTOME NUCLEAR IMPORT OF REV PROTEIN
                                                                                    REACTOME AURKA ACTIVATION BY TPX2, REACTOME AURKA ACTIVATION BY TPX2
                                                                                    KEGG CELL CYCLE, KEGG CELL CYCLE
                                                                                   REACTOME_SIGNALING_BY_HEDGEHOG, REACTOME_SIGNALING_BY_HEDGEHOG
                                                                                   REACTOME_CLEC7A_DECTIN_1_SIGNALING, REACTOME_CLEC7A_DECTIN_1_SIGNALING
                                                                                   REACTOME_SUMOYLATION_OF_DNA_REPLICATION_PROTEINS, REACTOME_SUMOYLATION_OF_DNA_REPLICATION_PROTEINS
                                                                                   REACTOME_NUCLEAR_PORE_COMPLEX_NPC_DISASSEMBLY, REACTOME_NUCLEAR_PORE_COMPLEX_NPC_DISASSEMBLY
                                                                                   REACTOME_SUMOYLATION_OF_UBIQUITINYLATION_PROTEINS, REACTOME_SUMOYLATION_OF_UBIQUITINYLATION_PROTEINS
                                                                                   REACTOME_SUMOYLATION_OF_SUMOYLATION_PROTEINS, REACTOME_SUMOYLATION_OF_SUMOYLATION_PROTEINS
                                                                                   REACTOME_HEDGEHOG_OFF_STATE, REACTOME_HEDGEHOG_OFF_STATE
                                                                                   REACTOME RUNX1 REGULATES TRANSCRIPTION OF GENES INVOLVED IN DIFFERENTIATION OF HSCS, REACTOME RUNX1 REGULATES TRANSCRIPTION OF GENES INVOLVED IN DIFFERENTIATION OF HSCS
                                                                                   REACTOME_CYTOPROTECTION_BY_HMOX1, REACTOME_CYTOPROTECTION_BY_HMOX1
                                                                                   WP_CELL_CYCLE, WP_CELL_CYCLE
                                                                                   REACTOME_INTERACTIONS_OF_VPR_WITH_HOST_CELLULAR_PROTEINS, REACTOME_INTERACTIONS_OF_VPR_WITH_HOST_CELLULAR_PROTEINS
                                                                                   REACTOME_MYD88_INDEPENDENT_TLR4_CASCADE, REACTOME_MYD88_INDEPENDENT_TLR4_CASCADE
                                                                                   REACTOME_TRANSPORT_OF_THE_SLBP_DEPENDANT_MATURE_MRNA, REACTOME_TRANSPORT_OF_THE_SLBP_DEPENDANT_MATURE_MRNA
                                                                                   REACTOME_CELLULAR_RESPONSE_TO_HEAT_STRESS, REACTOME_CELLULAR_RESPONSE_TO_HEAT_STRESS
                                                                                   REACTOME_POSTMITOTIC_NUCLEAR_PORE_COMPLEX_NPC_REFORMATION, REACTOME_POSTMITOTIC_NUCLEAR_PORE_COMPLEX_NPC_REFORMATION
                                                                                   REACTOME_DNA_DAMAGE_RECOGNITION_IN_GG_NER, REACTOME_DNA_DAMAGE_RECOGNITION_IN_GG_NER
                                                                                    REACTOME_REGULATION_OF_HSF1_MEDIATED_HEAT_SHOCK_RESPONSE, REACTOME_REGULATION_OF_HSF1_MEDIATED_HEAT_SHOCK_RESPONSE
                                                                                    REACTOME_GLUCOSE_METABOLISM, REACTOME_GLUCOSE_METABOLISM
                                                                                    REACTOME_INACTIVATION_OF_CSF3_G_CSF_SIGNALING, REACTOME_INACTIVATION_OF_CSF3_G_CSF_SIGNALING
                                                                                    REACTOME_GLYCOLYSIS, REACTOME_GLYCOLYSIS
                                                                                    REACTOME_REGULATION_OF_PTEN_STABILITY_AND_ACTIVITY, REACTOME_REGULATION_OF_PTEN_STABILITY_AND_ACTIVITY
                                                                                   REACTOME_REGULATION_OF_HMOX1_EXPRESSION_AND_ACTIVITY, REACTOME_REGULATION_OF_HMOX1_EXPRESSION_AND_ACTIVITY
                                                                                    REACTOME_AUTOPHAGY, REACTOME_AUTOPHAGY
                                                                                   REACTOME_INTERLEUKIN_1_SIGNALING, REACTOME_INTERLEUKIN_1_SIGNALING
                                                                                    REACTOME_RECRUITMENT_OF_NUMA_TO_MITOTIC_CENTROSOMES, REACTOME_RECRUITMENT_OF_NUMA_TO_MITOTIC_CENTROSOMES
                                                                                    REACTOME_PROTEIN_UBIQUITINATION, REACTOME_PROTEIN_UBIQUITINATION
                                                                                    REACTOME_ER_TO_GOLGI_ANTEROGRADE_TRANSPORT, REACTOME_ER_TO_GOLGI_ANTEROGRADE_TRANSPORT
                                                                                    REACTOME_SCF_SKP2_MEDIATED_DEGRADATION_OF_P27_P21, REACTOME_SCF_SKP2_MEDIATED_DEGRADATION_OF_P27_P21
                                                                                    REACTOME_CELLULAR_RESPONSE_TO_HYPOXIA, REACTOME_CELLULAR_RESPONSE_TO_HYPOXIA
                                                                                    REACTOME_ABC_FAMILY_PROTEINS_MEDIATED_TRANSPORT, REACTOME_ABC_FAMILY_PROTEINS_MEDIATED_TRANSPORT
                                                                                    REACTOME_REGULATION_OF_GLUCOKINASE_BY_GLUCOKINASE_REGULATORY_PROTEIN, REACTOME_REGULATION_OF_GLUCOKINASE_BY_GLUCOKINASE_REGULATORY_PROTEIN
                                                                                    REACTOME_REGULATION_OF_RAS_BY_GAPS, REACTOME_REGULATION_OF_RAS_BY_GAPS
                                                                                    REACTOME_DOWNSTREAM_SIGNALING_EVENTS_OF_B_CELL_RECEPTOR_BCR, REACTOME_DOWNSTREAM_SIGNALING_EVENTS_OF_B_CELL_RECEPTOR_BCR
                                                                                    REACTOME_FANCONI_ANEMIA_PATHWAY, REACTOME_FANCONI_ANEMIA_PATHWAY
                                                                                    REACTOME_SENESCENCE_ASSOCIATED_SECRETORY_PHENOTYPE_SASP, REACTOME_SENESCENCE_ASSOCIATED_SECRETORY_PHENOTYPE_SASP
                                                                                    REACTOME_ANTIGEN_PROCESSING_CROSS_PRESENTATION, REACTOME_ANTIGEN_PROCESSING_CROSS_PRESENTATION
                                                                                    REACTOME_NEGATIVE_REGULATION_OF_NOTCH4_SIGNALING, REACTOME_NEGATIVE_REGULATION_OF_NOTCH4_SIGNALING
                                                                                     REACTOME_DOWNREGULATION_OF_SMAD2_3_SMAD4_TRANSCRIPTIONAL_ACTIVITY, REACTOME_DOWNREGULATION_OF_SMAD2_3_SMAD4_TRANSCRIPTIONAL_ACTIVITY
                                                                                    REACTOME_FORMATION_OF_INCISION_COMPLEX_IN_GG_NER, REACTOME_FORMATION_OF_INCISION_COMPLEX_IN_GG_NER
                                                                                    REACTOME_TRANSPORT_TO_THE_GOLGI_AND_SUBSEQUENT_MODIFICATION, REACTOME_TRANSPORT_TO_THE_GOLGI_AND_SUBSEQUENT_MODIFICATION
                                                                                    REACTOME_DEFECTIVE_CFTR_CAUSES_CYSTIC_FIBROSIS, REACTOME_DEFECTIVE_CFTR_CAUSES_CYSTIC_FIBROSIS
                                                                                    REACTOME_AUF1_HNRNP_D0_BINDS_AND_DESTABILIZES_MRNA, REACTOME_AUF1_HNRNP_D0_BINDS_AND_DESTABILIZES_MRNA
                                                                                    REACTOME_SIGNALING_BY_CSF3_G_CSF, REACTOME_SIGNALING_BY_CSF3_G_CSF
                                                                                    REACTOME_COPI_DEPENDENT_GOLGI_TO_ER_RETROGRADE_TRAFFIC, REACTOME_COPI_DEPENDENT_GOLGI_TO_ER_RETROGRADE_TRAFFIC
                                                                                    REACTOME_DEGRADATION_OF_AXIN, REACTOME_DEGRADATION_OF_AXIN
                                                                                   REACTOME_INTRAFLAGELLAR_TRANSPORT, REACTOME_INTRAFLAGELLAR_TRANSPORT
N_OF_SISTER_CHROMATIDS, REACTOME_SEPARATION_OF_SISTER_CHROMATIDS
                                                                                    REACTOME REGULATION OF RUNX3 EXPRESSION AND ACTIVITY, REACTOME REGULATION OF RUNX3 EXPRESSION AND ACTIVITY
                                                                                    KEGG_UBIQUITIN_MEDIATED_PROTEOLYSIS, KEGG_UBIQUITIN_MEDIATED_PROTEOLYSIS
                                                                                    REACTOME_DEPOSITION_OF_NEW_CENPA_CONTAINING_NUCLEOSOMES_AT_THE_CENTROMERE, REACTOME_DEPOSITION_OF_NEW_CENPA_CONTAINING_NUCLEOSOMES_AT_THE_CENTROMERE
                                                                                    REACTOME_TOLL_LIKE_RECEPTOR_9_TLR9_CASCADE, REACTOME_TOLL_LIKE_RECEPTOR_9_TLR9_CASCADE
                                                                                    REACTOME NEGATIVE REGULATORS OF DDX58 IFIH1 SIGNALING, REACTOME NEGATIVE REGULATORS OF DDX58 IFIH1 SIGNALING
                                                                                    REACTOME_MAPK6_MAPK4_SIGNALING, REACTOME_MAPK6_MAPK4_SIGNALING
                                                                                     REACTOME G1 S DNA DAMAGE CHECKPOINTS, REACTOME G1 S DNA DAMAGE CHECKPOINTS
                                                                                     REACTOME_SIGNALING_BY_TGF_BETA_RECEPTOR_COMPLEX, REACTOME_SIGNALING_BY_TGF_BETA_RECEPTOR_COMPLEX
                                                                                    REACTOME_PEROXISOMAL_PROTEIN_IMPORT, REACTOME_PEROXISOMAL_PROTEIN_IMPORT
                                                                                     REACTOME_ABC_TRANSPORTER_DISORDERS, REACTOME_ABC_TRANSPORTER_DISORDERS
                                                                                    REACTOME_TRANSCRIPTIONAL_ACTIVITY_OF_SMAD2_SMAD3_SMAD4_HETEROTRIMER, REACTOME_TRANSCRIPTIONAL_ACTIVITY_OF_SMAD2_SMAD3_SMAD4_HETEROTRIMER
                                                                                    REACTOME_REGULATION_OF_RUNX2_EXPRESSION_AND_ACTIVITY, REACTOME_REGULATION_OF_RUNX2_EXPRESSION_AND_ACTIVITY
                                                                                    REACTOME TOLL LIKE RECEPTOR CASCADES, REACTOME TOLL LIKE RECEPTOR CASCADES
                                                                                    REACTOME_NUCLEAR_ENVELOPE_NE_REASSEMBLY, REACTOME_NUCLEAR_ENVELOPE_NE_REASSEMBLY
                                                                                    PID AURORA B PATHWAY, PID AURORA B PATHWAY
                                                                                    REACTOME_METABOLISM_OF_POLYAMINES, REACTOME_METABOLISM_OF_POLYAMINES
                                                                                    REACTOME_TRANSCRIPTIONAL_REGULATION_BY_RUNX3, REACTOME_TRANSCRIPTIONAL_REGULATION_BY_RUNX3
                                                                                    REACTOME_CYCLIN_D_ASSOCIATED_EVENTS_IN_G1, REACTOME_CYCLIN_D_ASSOCIATED_EVENTS_IN_G1
                                                                                    REACTOME_HEDGEHOG_LIGAND_BIOGENESIS, REACTOME_HEDGEHOG_LIGAND_BIOGENESIS
                                                                                    REACTOME_STABILIZATION_OF_P53, REACTOME_STABILIZATION_OF_P53
                                                                                    REACTOME_SYNTHESIS_OF_ACTIVE_UBIQUITIN_ROLES_OF_E1_AND_E2_ENZYMES, REACTOME_SYNTHESIS_OF_ACTIVE_UBIQUITIN_ROLES_OF_E1_AND_E2_ENZYMES
                                                                                   REACTOME_DECTIN_1_MEDIATED_NONCANONICAL_NF_KB_SIGNALING, REACTOME_DECTIN_1_MEDIATED_NONCANONICAL_NF_KB_SIGNALING
                                                                                   REACTOME_E3_UBIQUITIN_LIGASES_UBIQUITINATE_TARGET_PROTEINS, REACTOME_E3_UBIQUITIN_LIGASES_UBIQUITINATE_TARGET_PROTEINS
                                                                                    REACTOME_REGULATION_OF_TP53_EXPRESSION_AND_DEGRADATION, REACTOME_REGULATION_OF_TP53_EXPRESSION_AND_DEGRADATION
                                                                                    REACTOME_BETA_CATENIN_INDEPENDENT_WNT_SIGNALING, REACTOME_BETA_CATENIN_INDEPENDENT_WNT_SIGNALING
                                                                                   REACTOME_N_GLYCAN_TRIMMING_IN_THE_ER_AND_CALNEXIN_CALRETICULIN_CYCLE, REACTOME_N_GLYCAN_TRIMMING_IN_THE_ER_AND_CALNEXIN_CALRETICULIN_CYCLE
                                                                                    REACTOME_DEGRADATION_OF_DVL, REACTOME_DEGRADATION_OF_DVL
                                                                                    REACTOME_MASTL_FACILITATES_MITOTIC_PROGRESSION, REACTOME_MASTL_FACILITATES_MITOTIC_PROGRESSION
                                                                                    REACTOME_THE_ROLE_OF_GTSE1_IN_G2_M_PROGRESSION_AFTER_G2_CHECKPOINT, REACTOME_THE_ROLE_OF_GTSE1_IN_G2_M_PROGRESSION_AFTER_G2_CHECKPOINT
                                                                                   REACTOME_REGULATED_NECROSIS, REACTOME_REGULATED_NECROSIS
                                                                                   REACTOME_NUCLEAR_EVENTS_KINASE_AND_TRANSCRIPTION_FACTOR_ACTIVATION, REACTOME_NUCLEAR_EVENTS_KINASE_AND_TRANSCRIPTION_FACTOR_ACTIVATION
                                                                                   REACTOME_ASYMMETRIC_LOCALIZATION_OF_PCP_PROTEINS, REACTOME_ASYMMETRIC_LOCALIZATION_OF_PCP_PROTEINS
                                                                                   REACTOME_NOD1_2_SIGNALING_PATHWAY, REACTOME_NOD1_2_SIGNALING_PATHWAY
                                                                                   REACTOME_TRANSLATION_OF_SARS_COV_2_STRUCTURAL_PROTEINS, REACTOME_TRANSLATION_OF_SARS_COV_2_STRUCTURAL_PROTEINS
                                                                                   REACTOME_PCP_CE_PATHWAY, REACTOME_PCP_CE_PATHWAY
                                                                                   REACTOME_TRANSLESION_SYNTHESIS_BY_Y_FAMILY_DNA_POLYMERASES_BYPASSES_LESIONS_ON_DNA_TEMPLATE, REACTOME_TRANSLESION_SYNTHESIS_BY_Y_FAMILY_DNA_POLYMERASES_BYPASSES_LESIONS_ON_DNA_TEMPLATE
                                                                                   REACTOME_INTERLEUKIN_1_FAMILY_SIGNALING, REACTOME_INTERLEUKIN_1_FAMILY_SIGNALING
                                                                                   REACTOME_APC_CDC20_MEDIATED_DEGRADATION_OF_NEK2A, REACTOME_APC_CDC20_MEDIATED_DEGRADATION_OF_NEK2A
                                                                                   REACTOME_DISEASES_OF_MITOTIC_CELL_CYCLE, REACTOME_DISEASES_OF_MITOTIC_CELL_CYCLE
                                                                                   REACTOME_TRANSCRIPTIONAL_REGULATION_BY_RUNX2, REACTOME_TRANSCRIPTIONAL_REGULATION_BY_RUNX2
                                                                                   REACTOME_SARS_COV_1_INFECTION, REACTOME_SARS_COV_1_INFECTION
                                                                                   REACTOME_RIPK1_MEDIATED_REGULATED_NECROSIS, REACTOME_RIPK1_MEDIATED_REGULATED_NECROSIS
                                                                                   REACTOME_TNFR1_INDUCED_NFKAPPAB_SIGNALING_PATHWAY, REACTOME_TNFR1_INDUCED_NFKAPPAB_SIGNALING_PATHWAY
                                                                                   REACTOME_COPI_MEDIATED_ANTEROGRADE_TRANSPORT, REACTOME_COPI_MEDIATED_ANTEROGRADE_TRANSPORT
                                                                                   REACTOME_CROSS_PRESENTATION_OF_SOLUBLE_EXOGENOUS_ANTIGENS_ENDOSOMES, REACTOME_CROSS_PRESENTATION_OF_SOLUBLE_EXOGENOUS_ANTIGENS_ENDOSOMES
                                                                                   REACTOME_DUAL_INCISION_IN_GG_NER, REACTOME_DUAL_INCISION_IN_GG_NER
                                                                                   REACTOME_DDX58_IFIH1_MEDIATED_INDUCTION_OF_INTERFERON_ALPHA_BETA, REACTOME_DDX58_IFIH1_MEDIATED_INDUCTION_OF_INTERFERON_ALPHA_BETA
                                                                                   REACTOME_MHC_CLASS_II_ANTIGEN_PRESENTATION, REACTOME_MHC_CLASS_II_ANTIGEN_PRESENTATION
                                                                                   REACTOME_TNFR2_NON_CANONICAL_NF_KB_PATHWAY, REACTOME_TNFR2_NON_CANONICAL_NF_KB_PATHWAY
                                                                                   REACTOME_TICAM1_RIP1_MEDIATED_IKK_COMPLEX_RECRUITMENT, REACTOME_TICAM1_RIP1_MEDIATED_IKK_COMPLEX_RECRUITMENT
                                                                                   REACTOME_HEDGEHOG_ON_STATE, REACTOME_HEDGEHOG_ON_STATE
                                                                                   REACTOME_METALLOPROTEASE_DUBS, REACTOME_METALLOPROTEASE_DUBS
                                                                                   REACTOME_APC_C_CDC20_MEDIATED_DEGRADATION_OF_CYCLIN_B, REACTOME_APC_C_CDC20_MEDIATED_DEGRADATION_OF_CYCLIN_B
                                                                                   REACTOME_RECOGNITION_OF_DNA_DAMAGE_BY_PCNA_CONTAINING_REPLICATION_COMPLEX, REACTOME_RECOGNITION_OF_DNA_DAMAGE_BY_PCNA_CONTAINING_REPLICATION_COMPLEX
                                                                                   REACTOME_DEGRADATION_OF_GLI1_BY_THE_PROTEASOME, REACTOME_DEGRADATION_OF_GLI1_BY_THE_PROTEASOME
                                                                                   REACTOME_E2F_MEDIATED_REGULATION_OF_DNA_REPLICATION, REACTOME_E2F_MEDIATED_REGULATION_OF_DNA_REPLICATION
                                                                                   REACTOME RAS PROCESSING, REACTOME RAS PROCESSING
                                                                                   REACTOME_IRAK1_RECRUITS_IKK_COMPLEX, REACTOME_IRAK1_RECRUITS_IKK_COMPLEX
                                                                                   REACTOME_TCR_SIGNALING, REACTOME_TCR_SIGNALING
                                                                                   REACTOME_NEGATIVE_REGULATION_OF_MAPK_PATHWAY, REACTOME_NEGATIVE_REGULATION_OF_MAPK_PATHWAY
                                                                                    REACTOME_IKK_COMPLEX_RECRUITMENT_MEDIATED_BY_RIP1, REACTOME_IKK_COMPLEX_RECRUITMENT_MEDIATED_BY_RIP1
                                                                                    REACTOME_INHIBITION_OF_THE_PROTEOLYTIC_ACTIVITY_OF_APC_C_REQUIRED_FOR_THE_ONSET_OF_ANAPHASE_BY_MITOTIC_SPINDLE
                                                                                    REACTOME_OVARIAN_TUMOR_DOMAIN_PROTEASES, REACTOME_OVARIAN_TUMOR_DOMAIN_PROTEASES
                                                                                    KEGG_PROTEASOME, KEGG_PROTEASOME
                                                                                   REACTOME_JNK_C_JUN_KINASES_PHOSPHORYLATION_AND_ACTIVATION_MEDIATED_BY_ACTIVATED_HUMAN_TAK1, REACTOME_JNK_C_JUN_KINASES_PHOSPHORYLATION_AND_ACTIVATION_MEDIATED_BY_ACTIVATED_HUMAN_TAK1
                                                                                    REACTOME_PHOSPHORYLATION_OF_THE_APC_C, REACTOME_PHOSPHORYLATION_OF_THE_APC_C
                                                                                    REACTOME_COPI_INDEPENDENT_GOLGI_TO_ER_RETROGRADE_TRAFFIC, REACTOME_COPI_INDEPENDENT_GOLGI_TO_ER_RETROGRADE_TRAFFIC
                                                                                    REACTOME_MAP3K8_TPL2_DEPENDENT_MAPK1_3_ACTIVATION, REACTOME_MAP3K8_TPL2_DEPENDENT_MAPK1_3_ACTIVATION
                                                                                   REACTOME_SIGNALING_BY_TGFB_FAMILY_MEMBERS, REACTOME_SIGNALING_BY_TGFB_FAMILY_MEMBERS
                                                                                   REACTOME SMAD2 SMAD3 SMAD4 HETEROTRIMER REGULATES TRANSCRIPTION, REACTOME SMAD2 SMAD3 SMAD4 HETEROTRIMER REGULATES TRANSCRIPTION
                                                                                    WP PROTEASOME DEGRADATION, WP PROTEASOME DEGRADATION
                                                                                    WP_INTRAFLAGELLAR_TRANSPORT_PROTEINS_BINDING_TO_DYNEIN, WP_INTRAFLAGELLAR_TRANSPORT_PROTEINS_BINDING_TO_DYNEIN
                                                                                   REACTOME CALNEXIN CALRETICULIN CYCLE, REACTOME CALNEXIN CALRETICULIN CYCLE
                                                                                   REACTOME_CARBOXYTERMINAL_POST_TRANSLATIONAL_MODIFICATIONS_OF_TUBULIN, REACTOME_CARBOXYTERMINAL_POST_TRANSLATIONAL_MODIFICATIONS_OF_TUBULIN
                                                                                    REACTOME_SIGNALING_BY_WNT_IN_CANCER, REACTOME_SIGNALING_BY_WNT_IN_CANCER
                                                                                    REACTOME_L1CAM_INTERACTIONS, REACTOME_L1CAM_INTERACTIONS
                                                                                    REACTOME_HSP90_CHAPERONE_CYCLE_FOR_STEROID_HORMONE_RECEPTORS_SHR, REACTOME_HSP90_CHAPERONE_CYCLE_FOR_STEROID_HORMONE_RECEPTORS_SHR
                                                                                   REACTOME_C_TYPE_LECTIN_RECEPTORS_CLRS, REACTOME_C_TYPE_LECTIN_RECEPTORS_CLRS
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REACTOME_ENDOSOMAL_SORTING_COMPLEX_REQUIRED_FOR_TRANSPORT_ESCRT, REACTOME_ENDOSOMAL_SORTING_COMPLEX_REQUIRED_FOR_TRANSPORT_ESCRT
REACTOME_TGF_BETA_RECEPTOR_SIGNALING_ACTIVATES_SMADS, REACTOME_TGF_BETA_RECEPTOR_SIGNALING_ACTIVATES_SMADS
BIOCARTA_MTA3_PATHWAY, BIOCARTA_MTA3_PATHWAY
WP_GASTRIC_CANCER_NETWORK_1, WP_GASTRIC_CANCER_NETWORK_1
REACTOME_TAK1_ACTIVATES_NFKB_BY_PHOSPHORYLATION_AND_ACTIVATION_OF_IKKS_COMPLEX, REACTOME_TAK1_ACTIVATES_NFKB_BY_PHOSPHORYLATION_AND_ACTIVATION_OF_IKKS_COMPLEX
REACTOME_PHOSPHORYLATION_OF_EMI1, REACTOME_PHOSPHORYLATION_OF_EMI1
REACTOME_MITOTIC_TELOPHASE_CYTOKINESIS, REACTOME_MITOTIC_TELOPHASE_CYTOKINESIS
REACTOME_CYCLIN_A_B1_B2_ASSOCIATED_EVENTS_DURING_G2_M_TRANSITION, REACTOME_CYCLIN_A_B1_B2_ASSOCIATED_EVENTS_DURING_G2_M_TRANSITION

REACTOME_ABERRANT_REGULATION_OF_MITOTIC_EXIT_IN_CANCER_DUE_TO_RB1_DEFECTS, REACTOME_ABERRANT_REGULATION_OF_MITOTIC_EXIT_IN_CANCER_DUE_TO_RB1_DEFECTS

REACTOME INTERLEUKIN 17 SIGNALING, REACTOME INTERLEUKIN 17 SIGNALING

BIOCARTA_LIS1_PATHWAY, BIOCARTA_LIS1_PATHWAY

REACTOME_TRANSLESION_SYNTHESIS_BY_POLH, REACTOME_TRANSLESION_SYNTHESIS_BY_POLH

REACTOME_SPRY_REGULATION_OF_FGF_SIGNALING, REACTOME_SPRY_REGULATION_OF_FGF_SIGNALING

REACTOME_TERMINATION_OF_TRANSLESION_DNA_SYNTHESIS, REACTOME_TERMINATION_OF_TRANSLESION_DNA_SYNTHESIS