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REACTOME_DNA_REPLICATION, REACTOME_DNA_REPLICATION
                                          REACTOME_SEPARATION_OF_SISTER_CHROMATIDS, REACTOME_SEPARATION_OF_SISTER_CHROMATIDS
                                          WP_DNA_REPAIR_PATHWAYS_FULL_NETWORK, WP_DNA_REPAIR_PATHWAYS_FULL_NETWORK
                                          REACTOME_MITOTIC_G2_G2_M_PHASES, REACTOME_MITOTIC_G2_G2_M_PHASES
                                          REACTOME_G2_M_CHECKPOINTS, REACTOME_G2_M_CHECKPOINTS
                                          REACTOME_GLOBAL_GENOME_NUCLEOTIDE_EXCISION_REPAIR_GG_NER, REACTOME_GLOBAL_GENOME_NUCLEOTIDE_EXCISION_REPAIR_GG_NER
                                          REACTOME MITOTIC G1_PHASE_AND_G1_S_TRANSITION, REACTOME_MITOTIC_G1_PHASE_AND_G1_S_TRANSITION
                                          REACTOME_SWITCHING_OF_ORIGINS_TO_A_POST_REPLICATIVE_STATE, REACTOME_SWITCHING_OF_ORIGINS_TO_A_POST_REPLICATIVE_STATE
                                          REACTOME_DNA_DOUBLE_STRAND_BREAK_REPAIR, REACTOME_DNA_DOUBLE_STRAND_BREAK_REPAIR
                                          REACTOME_DNA_REPLICATION_PRE_INITIATION, REACTOME_DNA_REPLICATION_PRE_INITIATION
                                          REACTOME_HOMOLOGY_DIRECTED_REPAIR, REACTOME_HOMOLOGY_DIRECTED_REPAIR
                                          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
                                          KEGG_UBIQUITIN_MEDIATED_PROTEOLYSIS, KEGG_UBIQUITIN_MEDIATED_PROTEOLYSIS
                                          REACTOME_REGULATION_OF_TP53_ACTIVITY, REACTOME_REGULATION_OF_TP53_ACTIVITY
                                          WP_DNA_IRDAMAGE_AND_CELLULAR_RESPONSE_VIA_ATR, WP_DNA_IRDAMAGE_AND_CELLULAR_RESPONSE_VIA_ATR
                                          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_ASSEMBLY_OF_THE_PRE_REPLICATIVE_COMPLEX, REACTOME_ASSEMBLY_OF_THE_PRE_REPLICATIVE_COMPLEX
                                          WP_RETINOBLASTOMA_GENE_IN_CANCER, WP_RETINOBLASTOMA_GENE_IN_CANCER
                                         WP_MIRNAS_INVOLVED_IN_DNA_DAMAGE_RESPONSE, WP_MIRNAS_INVOLVED_IN_DNA_DAMAGE_RESPONSE
                                          REACTOME_UCH_PROTEINASES, REACTOME_UCH_PROTEINASES
                                          REACTOME_HDR_THROUGH_HOMOLOGOUS_RECOMBINATION_HRR, REACTOME_HDR_THROUGH_HOMOLOGOUS_RECOMBINATION_HRR
                                          REACTOME PTEN REGULATION, REACTOME PTEN REGULATION
                                         REACTOME_CYCLIN_A_CDK2_ASSOCIATED_EVENTS_AT_S_PHASE_ENTRY, REACTOME_CYCLIN_A_CDK2_ASSOCIATED_EVENTS_AT_S_PHASE_ENTRY
                                          REACTOME_ACTIVATION_OF_ATR_IN_RESPONSE_TO_REPLICATION_STRESS, REACTOME_ACTIVATION_OF_ATR_IN_RESPONSE_TO_REPLICATION_STRESS
                                          WP_DNA_REPLICATION, WP_DNA_REPLICATION
                                          REACTOME_ACTIVATION_OF_THE_PRE_REPLICATIVE_COMPLEX, REACTOME_ACTIVATION_OF_THE_PRE_REPLICATIVE_COMPLEX
                                          REACTOME_APOPTOSIS, REACTOME_APOPTOSIS
                                          KEGG CELL CYCLE, KEGG CELL CYCLE
                                          REACTOME_PROTEIN_UBIQUITINATION, REACTOME_PROTEIN_UBIQUITINATION
                                          WP_NUCLEOTIDE_EXCISION_REPAIR, WP_NUCLEOTIDE_EXCISION_REPAIR
                                          REACTOME_REGULATION_OF_TP53_ACTIVITY_THROUGH_PHOSPHORYLATION, REACTOME_REGULATION_OF_TP53_ACTIVITY_THROUGH_PHOSPHORYLATION
                                          REACTOME_DNA_STRAND_ELONGATION, REACTOME_DNA_STRAND_ELONGATION
                                          KEGG_DNA_REPLICATION, KEGG_DNA_REPLICATION
                                          KEGG_NUCLEOTIDE_EXCISION_REPAIR, KEGG_NUCLEOTIDE_EXCISION_REPAIR
                                          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_CELLULAR_SENESCENCE, REACTOME_CELLULAR_SENESCENCE
                                          REACTOME_EXTENSION_OF_TELOMERES, REACTOME_EXTENSION_OF_TELOMERES
                                          REACTOME_HOMOLOGOUS_DNA_PAIRING_AND_STRAND_EXCHANGE, REACTOME_HOMOLOGOUS_DNA_PAIRING_AND_STRAND_EXCHANGE
                                          WP_SPINAL_CORD_INJURY, WP_SPINAL_CORD_INJURY
                                          REACTOME_DOWNSTREAM_SIGNALING_EVENTS_OF_B_CELL_RECEPTOR_BCR, REACTOME_DOWNSTREAM_SIGNALING_EVENTS_OF_B_CELL_RECEPTOR_BCR
                                          REACTOME_PROCESSING_OF_DNA_DOUBLE_STRAND_BREAK_ENDS, REACTOME_PROCESSING_OF_DNA_DOUBLE_STRAND_BREAK_ENDS
                                          REACTOME_REGULATION_OF_PTEN_STABILITY_AND_ACTIVITY, REACTOME_REGULATION_OF_PTEN_STABILITY_AND_ACTIVITY
                                          WP CELL CYCLE, WP CELL CYCLE
                                          REACTOME REGULATION OF HMOX1 EXPRESSION AND ACTIVITY, REACTOME REGULATION OF HMOX1 EXPRESSION AND ACTIVITY
                                          REACTOME DNA DAMAGE RECOGNITION IN GG NER, REACTOME DNA DAMAGE RECOGNITION IN GG NER
                                          REACTOME DECTIN 1 MEDIATED NONCANONICAL NF KB SIGNALING, REACTOME DECTIN 1 MEDIATED NONCANONICAL NF KB SIGNALING
                                          REACTOME_HDR_THROUGH_SINGLE_STRAND_ANNEALING_SSA, REACTOME_HDR_THROUGH_SINGLE_STRAND_ANNEALING_SSA
                                          REACTOME_G2_M_DNA_DAMAGE_CHECKPOINT, REACTOME_G2_M_DNA_DAMAGE_CHECKPOINT
                                          WP_INTEGRATED_BREAST_CANCER_PATHWAY, WP_INTEGRATED_BREAST_CANCER_PATHWAY
                                          KEGG_ACUTE_MYELOID_LEUKEMIA, KEGG_ACUTE_MYELOID_LEUKEMIA
                                          REACTOME_AUF1_HNRNP_D0_BINDS_AND_DESTABILIZES_MRNA, REACTOME_AUF1_HNRNP_D0_BINDS_AND_DESTABILIZES_MRNA
                                          REACTOME_BASE_EXCISION_REPAIR, REACTOME_BASE_EXCISION_REPAIR
                                          PID_FANCONI_PATHWAY, PID_FANCONI_PATHWAY
                                          REACTOME_REGULATION_OF_RAS_BY_GAPS, REACTOME_REGULATION_OF_RAS_BY_GAPS
                                          REACTOME_NEGATIVE_REGULATION_OF_NOTCH4_SIGNALING, REACTOME_NEGATIVE_REGULATION_OF_NOTCH4_SIGNALING
                                          REACTOME_REGULATION_OF_RUNX3_EXPRESSION_AND_ACTIVITY, REACTOME_REGULATION_OF_RUNX3_EXPRESSION_AND_ACTIVITY
                                          REACTOME_SCF_SKP2_MEDIATED_DEGRADATION_OF_P27_P21, REACTOME_SCF_SKP2_MEDIATED_DEGRADATION_OF_P27_P21
                                          REACTOME_DUAL_INCISION_IN_GG_NER, REACTOME_DUAL_INCISION_IN_GG_NER
                                          REACTOME_STABILIZATION_OF_P53, REACTOME_STABILIZATION_OF_P53
                                          WP_SIGNALING_PATHWAYS_IN_GLIOBLASTOMA, WP_SIGNALING_PATHWAYS_IN_GLIOBLASTOMA
                                          REACTOME_DNA_DAMAGE_TELOMERE_STRESS_INDUCED_SENESCENCE, REACTOME_DNA_DAMAGE_TELOMERE_STRESS_INDUCED_SENESCENCE
                                          REACTOME_CLEC7A_DECTIN_1_SIGNALING, REACTOME_CLEC7A_DECTIN_1_SIGNALING
                                          REACTOME_DEGRADATION_OF_AXIN, REACTOME_DEGRADATION_OF_AXIN
                                          REACTOME_FORMATION_OF_INCISION_COMPLEX_IN_GG_NER, REACTOME_FORMATION_OF_INCISION_COMPLEX_IN_GG_NER
                                          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_SENESCENCE_ASSOCIATED_SECRETORY_PHENOTYPE_SASP, REACTOME_SENESCENCE_ASSOCIATED_SECRETORY_PHENOTYPE_SASP
                                          REACTOME_TELOMERE_C_STRAND_LAGGING_STRAND_SYNTHESIS, REACTOME_TELOMERE_C_STRAND_LAGGING_STRAND_SYNTHESIS
                                          REACTOME_RUNX1_REGULATES_TRANSCRIPTION_OF_GENES_INVOLVED_IN_DIFFERENTIATION_OF_HSCS, REACTOME_RUNX1_REGULATES_TRANSCRIPTION_OF_GENES_INVOLVED_IN_DIFFERENTIATION_OF_HSCS
                                          REACTOME_DEGRADATION_OF_BETA_CATENIN_BY_THE_DESTRUCTION_COMPLEX, REACTOME_DEGRADATION_OF_BETA_CATENIN_BY_THE_DESTRUCTION_COMPLEX
                                          REACTOME_RESOLUTION_OF_ABASIC_SITES_AP_SITES, REACTOME_RESOLUTION_OF_ABASIC_SITES_AP_SITES
                                          REACTOME_ASYMMETRIC_LOCALIZATION_OF_PCP_PROTEINS, REACTOME_ASYMMETRIC_LOCALIZATION_OF_PCP_PROTEINS
                                          BIOCARTA_MCM_PATHWAY, BIOCARTA_MCM_PATHWAY
                                          REACTOME_OVARIAN_TUMOR_DOMAIN_PROTEASES, REACTOME_OVARIAN_TUMOR_DOMAIN_PROTEASES
                                          REACTOME_FANCONI_ANEMIA_PATHWAY, REACTOME_FANCONI_ANEMIA_PATHWAY
                                          REACTOME_SARS_COV_2_INFECTION, REACTOME_SARS_COV_2_INFECTION
                                          REACTOME_HEDGEHOG_OFF_STATE, REACTOME_HEDGEHOG_OFF_STATE
                                          REACTOME_DEGRADATION_OF_GLI1_BY_THE_PROTEASOME, REACTOME_DEGRADATION_OF_GLI1_BY_THE_PROTEASOME
                                          KEGG_CHRONIC_MYELOID_LEUKEMIA, KEGG_CHRONIC_MYELOID_LEUKEMIA
                                          REACTOME_MEIOSIS, REACTOME_MEIOSIS
                                          REACTOME G1 S DNA DAMAGE CHECKPOINTS, REACTOME G1 S DNA DAMAGE CHECKPOINTS
                                          REACTOME DEGRADATION OF DVL, REACTOME DEGRADATION OF DVL
                                          REACTOME_DEFECTIVE_CFTR_CAUSES_CYSTIC_FIBROSIS, REACTOME_DEFECTIVE_CFTR_CAUSES_CYSTIC_FIBROSIS
                                          PID P53 REGULATION PATHWAY, PID P53 REGULATION PATHWAY
                                          KEGG_HOMOLOGOUS_RECOMBINATION, KEGG_HOMOLOGOUS_RECOMBINATION
                                          REACTOME_DNA_DAMAGE_BYPASS, REACTOME_DNA_DAMAGE_BYPASS
                                          REACTOME METABOLISM OF POLYAMINES, REACTOME METABOLISM OF POLYAMINES
                                          REACTOME ENDOSOMAL SORTING COMPLEX REQUIRED FOR TRANSPORT ESCRT, REACTOME ENDOSOMAL SORTING COMPLEX REQUIRED FOR TRANSPORT ESCRT
                                          REACTOME_REGULATION_OF_RUNX2_EXPRESSION_AND_ACTIVITY, REACTOME_REGULATION_OF_RUNX2_EXPRESSION_AND_ACTIVITY
                                          REACTOME_N_GLYCAN_TRIMMING_IN_THE_ER_AND_CALNEXIN_CALRETICULIN_CYCLE, REACTOME_N_GLYCAN_TRIMMING_IN_THE_ER_AND_CALNEXIN_CALRETICULIN_CYCLE
                                          REACTOME_RESOLUTION_OF_AP_SITES_VIA_THE_MULTIPLE_NUCLEOTIDE_PATCH_REPLACEMENT_PATHWAY, REACTOME_RESOLUTION_OF_AP_SITES_VIA_THE_MULTIPLE_NUCLEOTIDE_PATCH_REPLACEMENT_PATHWAY
                                          REACTOME_SYNTHESIS_OF_ACTIVE_UBIQUITIN_ROLES_OF_E1_AND_E2_ENZYMES, REACTOME_SYNTHESIS_OF_ACTIVE_UBIQUITIN_ROLES_OF_E1_AND_E2_ENZYMES
                                          REACTOME_E3_UBIQUITIN_LIGASES_UBIQUITINATE_TARGET_PROTEINS, REACTOME_E3_UBIQUITIN_LIGASES_UBIQUITINATE_TARGET_PROTEINS
                                          REACTOME_PCP_CE_PATHWAY, REACTOME_PCP_CE_PATHWAY
                                          WP_DNA_IRDOUBLE_STRAND_BREAKS_DSBS_AND_CELLULAR_RESPONSE_VIA_ATM, WP_DNA_IRDOUBLE_STRAND_BREAKS_DSBS_AND_CELLULAR_RESPONSE_VIA_ATM
                                          REACTOME_INTERLEUKIN_1_SIGNALING, REACTOME_INTERLEUKIN_1_SIGNALING
                                          PID_BARD1_PATHWAY, PID_BARD1_PATHWAY
                                          WP_PARKINUBIQUITIN_PROTEASOMAL_SYSTEM_PATHWAY, WP_PARKINUBIQUITIN_PROTEASOMAL_SYSTEM_PATHWAY
                                          REACTOME_SIGNALING_BY_HEDGEHOG, REACTOME_SIGNALING_BY_HEDGEHOG
                                          KEGG BASE EXCISION REPAIR, KEGG BASE EXCISION REPAIR
                                          REACTOME_NEGATIVE_REGULATORS_OF_DDX58_IFIH1_SIGNALING, REACTOME_NEGATIVE_REGULATORS_OF_DDX58_IFIH1_SIGNALING
                                          REACTOME_MEIOTIC_RECOMBINATION, REACTOME_MEIOTIC_RECOMBINATION
                                          REACTOME_DISEASES_OF_PROGRAMMED_CELL_DEATH, REACTOME_DISEASES_OF_PROGRAMMED_CELL_DEATH
                                          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
                                          KEGG_PROTEASOME, KEGG_PROTEASOME
                                          WP DNA MISMATCH REPAIR, WP DNA MISMATCH REPAIR
                                          KEGG_MISMATCH_REPAIR, KEGG_MISMATCH_REPAIR
                                          REACTOME_ABC_TRANSPORTER_DISORDERS, REACTOME_ABC_TRANSPORTER_DISORDERS
                                          WP_DNA_DAMAGE_RESPONSE, WP_DNA_DAMAGE_RESPONSE
                                          REACTOME_UNWINDING_OF_DNA, REACTOME_UNWINDING_OF_DNA
                                          REACTOME CALNEXIN CALRETICULIN CYCLE, REACTOME CALNEXIN CALRETICULIN CYCLE
                                         - WP_IL7_SIGNALING_PATHWAY, WP_IL7_SIGNALING_PATHWAY
ME S PHASE, REACTOME S PHASE
                                          PID_ATR_PATHWAY, PID_ATR_PATHWAY
                                          REACTOME_CELLULAR_RESPONSE_TO_HYPOXIA, REACTOME_CELLULAR_RESPONSE_TO_HYPOXIA
                                          REACTOME_HEDGEHOG_ON_STATE, REACTOME_HEDGEHOG_ON_STATE
                                          REACTOME_MAPK6_MAPK4_SIGNALING, REACTOME_MAPK6_MAPK4_SIGNALING
                                          KEGG_PANCREATIC_CANCER, KEGG_PANCREATIC_CANCER
                                          WP_PANCREATIC_ADENOCARCINOMA_PATHWAY, WP_PANCREATIC_ADENOCARCINOMA_PATHWAY
                                          PID_P73PATHWAY, PID_P73PATHWAY
                                          KEGG_OOCYTE_MEIOSIS, KEGG_OOCYTE_MEIOSIS
                                          KEGG_NON_SMALL_CELL_LUNG_CANCER, KEGG_NON_SMALL_CELL_LUNG_CANCER
                                          REACTOME_APC_C_CDC20_MEDIATED_DEGRADATION_OF_CYCLIN_B, REACTOME_APC_C_CDC20_MEDIATED_DEGRADATION_OF_CYCLIN_B
                                          REACTOME_LAGGING_STRAND_SYNTHESIS, REACTOME_LAGGING_STRAND_SYNTHESIS
                                          WP_ERBB_SIGNALING_PATHWAY, WP_ERBB_SIGNALING_PATHWAY
                                          WP_BASE_EXCISION_REPAIR, WP_BASE_EXCISION_REPAIR
                                          REACTOME_PCNA_DEPENDENT_LONG_PATCH_BASE_EXCISION_REPAIR, REACTOME_PCNA_DEPENDENT_LONG_PATCH_BASE_EXCISION_REPAIR
                                          WP_NONSMALL_CELL_LUNG_CANCER, WP_NONSMALL_CELL_LUNG_CANCER
                                          REACTOME_MYD88_INDEPENDENT_TLR4_CASCADE, REACTOME_MYD88_INDEPENDENT_TLR4_CASCADE
                                          KEGG_ERBB_SIGNALING_PATHWAY, KEGG_ERBB_SIGNALING_PATHWAY
                                          WP_HEAD_AND_NECK_SQUAMOUS_CELL_CARCINOMA, WP_HEAD_AND_NECK_SQUAMOUS_CELL_CARCINOMA
                                          SIG_PIP3_SIGNALING_IN_CARDIAC_MYOCTES, SIG_PIP3_SIGNALING_IN_CARDIAC_MYOCTES
                                          REACTOME_TRANSLATION_OF_SARS_COV_2_STRUCTURAL_PROTEINS, REACTOME_TRANSLATION_OF_SARS_COV_2_STRUCTURAL_PROTEINS
                                          REACTOME_CROSS_PRESENTATION_OF_SOLUBLE_EXOGENOUS_ANTIGENS_ENDOSOMES, REACTOME_CROSS_PRESENTATION_OF_SOLUBLE_EXOGENOUS_ANTIGENS_ENDOSOMES
                                          KEGG_ENDOMETRIAL_CANCER, KEGG_ENDOMETRIAL_CANCER
                                         PID_PLK1_PATHWAY, PID_PLK1_PATHWAY
                                         REACTOME_E2F_MEDIATED_REGULATION_OF_DNA_REPLICATION, REACTOME_E2F_MEDIATED_REGULATION_OF_DNA_REPLICATION
                                         WP_MELANOMA, WP_MELANOMA
                                          REACTOME_POLYMERASE_SWITCHING_ON_THE_C_STRAND_OF_THE_TELOMERE, REACTOME_POLYMERASE_SWITCHING_ON_THE_C_STRAND_OF_THE_TELOMERE
                                          REACTOME_BUDDING_AND_MATURATION_OF_HIV_VIRION, REACTOME_BUDDING_AND_MATURATION_OF_HIV_VIRION
                                          REACTOME_RECOGNITION_OF_DNA_DAMAGE_BY_PCNA_CONTAINING_REPLICATION_COMPLEX, REACTOME_RECOGNITION_OF_DNA_DAMAGE_BY_PCNA_CONTAINING_REPLICATION_COMPLEX
                                          REACTOME_APC_CDC20_MEDIATED_DEGRADATION_OF_NEK2A, REACTOME_APC_CDC20_MEDIATED_DEGRADATION_OF_NEK2A
                                          REACTOME_HEDGEHOG_LIGAND_BIOGENESIS, REACTOME_HEDGEHOG_LIGAND_BIOGENESIS
                                          REACTOME_GAP_FILLING_DNA_REPAIR_SYNTHESIS_AND_LIGATION_IN_GG_NER, REACTOME_GAP_FILLING_DNA_REPAIR_SYNTHESIS_AND_LIGATION_IN_GG_NER
                                          REACTOME_GLYCOGEN_METABOLISM, REACTOME_GLYCOGEN_METABOLISM
                                          KEGG_COLORECTAL_CANCER, KEGG_COLORECTAL_CANCER
                                          REACTOME_BETA_CATENIN_INDEPENDENT_WNT_SIGNALING, REACTOME_BETA_CATENIN_INDEPENDENT_WNT_SIGNALING
                                          REACTOME_POLYMERASE_SWITCHING, REACTOME_POLYMERASE_SWITCHING
                                          REACTOME_INTRINSIC_PATHWAY_FOR_APOPTOSIS, REACTOME_INTRINSIC_PATHWAY_FOR_APOPTOSIS
                                          REACTOME_TRANSCRIPTIONAL_REGULATION_BY_E2F6, REACTOME_TRANSCRIPTIONAL_REGULATION_BY_E2F6
                                          WP_LIPID_METABOLISM_PATHWAY, WP_LIPID_METABOLISM_PATHWAY
                                          SIG_PIP3_SIGNALING_IN_B_LYMPHOCYTES, SIG_PIP3_SIGNALING_IN_B_LYMPHOCYTES
                                          REACTOME_INHIBITION_OF_THE_PROTEOLYTIC_ACTIVITY_OF_APC_C_REQUIRED_FOR_THE_ONSET_OF_ANAPHASE_BY_MITOTIC_SPINDLE_CHECKPOINT_COMPONENTS, REACTOME_INHIBITION_OF_THE_PROTEOLYTIC_ACTIVITY_OF_APC_C_REQUIRED_FOR_THE_ONSET_OF_ANAPHASE_BY_MITOTIC_SPINDLE_CHECKPOINT_COMPONENTS, REACTOME_INHIBITION_OF_THE_PROTEOLYTIC_ACTIVITY_OF_APC_C_REQUIRED_FOR_THE_ONSET_OF_ANAPHASE_BY_MITOTIC_SPINDLE_CHECKPOINT_COMPONENTS, REACTOME_INHIBITION_OF_THE_PROTEOLYTIC_ACTIVITY_OF_APC_C_REQUIRED_FOR_THE_ONSET_OF_ANAPHASE_BY_MITOTIC_SPINDLE_CHECKPOINT_COMPONENTS, REACTOME_INHIBITION_OF_THE_PROTEOLYTIC_ACTIVITY_OF_APC_C_REQUIRED_FOR_THE_ONSET_OF_ANAPHASE_BY_MITOTIC_SPINDLE_CHECKPOINT_COMPONENTS, REACTOME_INHIBITION_OF_THE_PROTEOLYTIC_ACTIVITY_OF_APC_C_REQUIRED_FOR_THE_ONSET_OF_ANAPHASE_BY_MITOTIC_SPINDLE_CHECKPOINT_COMPONENTS, REACTOME_INHIBITION_OF_THE_PROTEOLYTIC_ACTIVITY_OF_APC_C_REQUIRED_FOR_THE_ONSET_OF_ANAPHASE_BY_MITOTIC_SPINDLE_CHECKPOINT_COMPONENTS, REACTOME_INHIBITION_OF_THE_PROTEOLYTIC_ACTIVITY_OF_APC_C_REQUIRED_FOR_THE_ONSET_OF_ANAPHASE_BY_MITOTIC_SPINDLE_CHECKPOINT_COMPONENTS, REACTOME_INHIBITION_OF_THE_PROTEOLYTIC_ACTIVITY_OF_APC_C_REQUIRED_FOR_THE_ONSET_OF_ANAPHASE_BY_MITOTIC_SPINDLE_CHECKPOINT
                                          REACTOME_MEIOTIC_SYNAPSIS, REACTOME_MEIOTIC_SYNAPSIS
                                          REACTOME_G1_S_SPECIFIC_TRANSCRIPTION, REACTOME_G1_S_SPECIFIC_TRANSCRIPTION
                                          PID_RETINOIC_ACID_PATHWAY, PID_RETINOIC_ACID_PATHWAY
                                          WP_TUMOR_SUPPRESSOR_ACTIVITY_OF_SMARCB1, WP_TUMOR_SUPPRESSOR_ACTIVITY_OF_SMARCB1
                                          REACTOME_REGULATION_OF_TP53_EXPRESSION_AND_DEGRADATION, REACTOME_REGULATION_OF_TP53_EXPRESSION_AND_DEGRADATION
                                          REACTOME ACTIVATION OF BH3 ONLY PROTEINS, REACTOME ACTIVATION OF BH3 ONLY PROTEINS
                                          WP_MIRNA_REGULATION_OF_DNA_DAMAGE_RESPONSE, WP_MIRNA_REGULATION_OF_DNA_DAMAGE_RESPONSE
                                          REACTOME_PHOSPHORYLATION_OF_THE_APC_C, REACTOME_PHOSPHORYLATION_OF_THE_APC_C
                                          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_TERMINATION_OF_TRANSLESION_DNA_SYNTHESIS, REACTOME_TERMINATION_OF_TRANSLESION_DNA_SYNTHESIS
                                          REACTOME_EGFR_DOWNREGULATION, REACTOME_EGFR_DOWNREGULATION
                                          REACTOME_ER_QUALITY_CONTROL_COMPARTMENT_ERQC, REACTOME_ER_QUALITY_CONTROL_COMPARTMENT_ERQC
                                          WP DNA DAMAGE RESPONSE ONLY ATM DEPENDENT, WP DNA DAMAGE RESPONSE ONLY ATM DEPENDENT
                                          SIG_BCR_SIGNALING_PATHWAY, SIG_BCR_SIGNALING_PATHWAY
                                          PID_AURORA_A_PATHWAY, PID_AURORA_A_PATHWAY
                                          WP_TGFBETA_SIGNALING_PATHWAY, WP_TGFBETA_SIGNALING_PATHWAY
                                          REACTOME_SARS_COV_1_INFECTION, REACTOME_SARS_COV_1_INFECTION
                                          REACTOME_TNF_SIGNALING, REACTOME_TNF_SIGNALING
                                          REACTOME_INTERLEUKIN_3_INTERLEUKIN_5_AND_GM_CSF_SIGNALING, REACTOME_INTERLEUKIN_3_INTERLEUKIN_5_AND_GM_CSF_SIGNALING
                                          WP_CHROMOSOMAL_AND_MICROSATELLITE_INSTABILITY_IN_COLORECTAL_CANCER, WP_CHROMOSOMAL_AND_MICROSATELLITE_INSTABILITY_IN_COLORECTAL_CANCER
                                          PID_MYC_PATHWAY, PID_MYC_PATHWAY
                                          KEGG_MELANOMA, KEGG_MELANOMA
                                          REACTOME_DISEASES_OF_CARBOHYDRATE_METABOLISM, REACTOME_DISEASES_OF_CARBOHYDRATE_METABOLISM
                                          REACTOME_SIGNALING_BY_EGFR, REACTOME_SIGNALING_BY_EGFR
                                          REACTOME_SIGNALING_BY_NOTCH4, REACTOME_SIGNALING_BY_NOTCH4
                                          KEGG_TGF_BETA_SIGNALING_PATHWAY, KEGG_TGF_BETA_SIGNALING_PATHWAY
                                          REACTOME TRANSCRIPTIONAL REGULATION BY RUNX2, REACTOME TRANSCRIPTIONAL REGULATION BY RUNX2
                                          SA_TRKA_RECEPTOR, SA_TRKA_RECEPTOR
                                          SA PTEN PATHWAY, SA PTEN PATHWAY
                                         REACTOME_REGULATION_OF_TP53_ACTIVITY_THROUGH_ACETYLATION, REACTOME_REGULATION_OF_TP53_ACTIVITY_THROUGH_ACETYLATION
                                          REACTOME_LATE_ENDOSOMAL_MICROAUTOPHAGY, REACTOME_LATE_ENDOSOMAL_MICROAUTOPHAGY
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REACTOME\_TRANSCRIPTIONAL\_REGULATION\_BY\_RUNX3, REACTOME\_TRANSCRIPTIONAL\_REGULATION\_BY\_RUNX3

KEGG\_PROGESTERONE\_MEDIATED\_OOCYTE\_MATURATION, KEGG\_PROGESTERONE\_MEDIATED\_OOCYTE\_MATURATION

REACTOME\_SIGNALING\_BY\_TGF\_BETA\_RECEPTOR\_COMPLEX, REACTOME\_SIGNALING\_BY\_TGF\_BETA\_RECEPTOR\_COMPLEX

REACTOME\_CDC6\_ASSOCIATION\_WITH\_THE\_ORC\_ORIGIN\_COMPLEX, REACTOME\_CDC6\_ASSOCIATION\_WITH\_THE\_ORC\_ORIGIN\_COMPLEX

REACTOME\_PROCESSIVE\_SYNTHESIS\_ON\_THE\_LAGGING\_STRAND, REACTOME\_PROCESSIVE\_SYNTHESIS\_ON\_THE\_LAGGING\_STRAND

REACTOME\_TRANSCRIPTIONAL\_REGULATION\_OF\_GRANULOPOIESIS, REACTOME\_TRANSCRIPTIONAL\_REGULATION\_OF\_GRANULOPOIESIS

REACTOME\_TRANSCRIPTION\_OF\_E2F\_TARGETS\_UNDER\_NEGATIVE\_CONTROL\_BY\_DREAM\_COMPLEX, REACTOME\_TRANSCRIPTION\_OF\_E2F\_TARGETS\_UNDER\_NEGATIVE\_CONTROL\_BY\_DREAM\_COMPLEX

WP\_REGULATION\_OF\_SISTER\_CHROMATID\_SEPARATION\_AT\_THE\_METAPHASEANAPHASE\_TRANSITION, WP\_REGULATION\_OF\_SISTER\_CHROMATID\_SEPARATION\_AT\_THE\_METAPHASEANAPHASE\_TRANSITION

WP\_MAMMARY\_GLAND\_DEVELOPMENT\_PATHWAY\_EMBRYONIC\_DEVELOPMENT\_STAGE\_1\_OF\_4, WP\_MAMMARY\_GLAND\_DEVELOPMENT\_PATHWAY\_EMBRYONIC\_DEVELOPMENT\_STAGE\_1\_OF\_4

WP\_THE\_EFFECT\_OF\_PROGERIN\_ON\_THE\_INVOLVED\_GENES\_IN\_HUTCHINSONGILFORD\_PROGERIA\_SYNDROME, WP\_THE\_EFFECT\_OF\_PROGERIN\_ON\_THE\_INVOLVED\_GENES\_IN\_HUTCHINSONGILFORD\_PROGERIA\_SYNDROME

REACTOME\_CONVERSION\_FROM\_APC\_C\_CDC20\_TO\_APC\_C\_CDH1\_IN\_LATE\_ANAPHASE, REACTOME\_CONVERSION\_FROM\_APC\_C\_CDC20\_TO\_APC\_C\_CDH1\_IN\_LATE\_ANAPHASE

REACTOME\_PROCESSIVE\_SYNTHESIS\_ON\_THE\_C\_STRAND\_OF\_THE\_TELOMERE, REACTOME\_PROCESSIVE\_SYNTHESIS\_ON\_THE\_C\_STRAND\_OF\_THE\_TELOMERE

WP\_EGFR\_TYROSINE\_KINASE\_INHIBITOR\_RESISTANCE, WP\_EGFR\_TYROSINE\_KINASE\_INHIBITOR\_RESISTANCE

WP\_RESISTIN\_AS\_A\_REGULATOR\_OF\_INFLAMMATION, WP\_RESISTIN\_AS\_A\_REGULATOR\_OF\_INFLAMMATION

REACTOME\_TOLL\_LIKE\_RECEPTOR\_9\_TLR9\_CASCADE, REACTOME\_TOLL\_LIKE\_RECEPTOR\_9\_TLR9\_CASCADE

REACTOME INTERLEUKIN 1 FAMILY SIGNALING, REACTOME INTERLEUKIN 1 FAMILY SIGNALING

REACTOME\_C\_TYPE\_LECTIN\_RECEPTORS\_CLRS, REACTOME\_C\_TYPE\_LECTIN\_RECEPTORS\_CLRS

REACTOME REGULATION OF TNFR1 SIGNALING, REACTOME REGULATION OF TNFR1 SIGNALING

REACTOME\_FOXO\_MEDIATED\_TRANSCRIPTION, REACTOME\_FOXO\_MEDIATED\_TRANSCRIPTION

REACTOME DISEASES OF MITOTIC CELL CYCLE, REACTOME DISEASES OF MITOTIC CELL CYCLE

REACTOME\_REGULATION\_OF\_SIGNALING\_BY\_CBL, REACTOME\_REGULATION\_OF\_SIGNALING\_BY\_CBL

WP\_ANDROGEN\_RECEPTOR\_SIGNALING\_PATHWAY, WP\_ANDROGEN\_RECEPTOR\_SIGNALING\_PATHWAY

REACTOME\_TELOMERE\_EXTENSION\_BY\_TELOMERASE, REACTOME\_TELOMERE\_EXTENSION\_BY\_TELOMERASE

REACTOME TOLL LIKE RECEPTOR CASCADES, REACTOME TOLL LIKE RECEPTOR CASCADES

BIOCARTA\_PROTEASOME\_PATHWAY, BIOCARTA\_PROTEASOME\_PATHWAY WP\_G1\_TO\_S\_CELL\_CYCLE\_CONTROL, WP\_G1\_TO\_S\_CELL\_CYCLE\_CONTROL

SIG\_IL4RECEPTOR\_IN\_B\_LYPHOCYTES, SIG\_IL4RECEPTOR\_IN\_B\_LYPHOCYTES

WP\_INTEGRATED\_CANCER\_PATHWAY, WP\_INTEGRATED\_CANCER\_PATHWAY

REACTOME\_REGULATED\_NECROSIS, REACTOME\_REGULATED\_NECROSIS

WP\_ATM\_SIGNALING\_PATHWAY, WP\_ATM\_SIGNALING\_PATHWAY

REACTOME\_MISMATCH\_REPAIR, REACTOME\_MISMATCH\_REPAIR

WP\_NUCLEOTIDE\_METABOLISM, WP\_NUCLEOTIDE\_METABOLISM

PID\_TELOMERASE\_PATHWAY, PID\_TELOMERASE\_PATHWAY

BIOCARTA\_ERAD\_PATHWAY, BIOCARTA\_ERAD\_PATHWAY

WP\_ENDOMETRIAL\_CANCER, WP\_ENDOMETRIAL\_CANCER

WP\_PROTEASOME\_DEGRADATION, WP\_PROTEASOME\_DEGRADATION

REACTOME\_G0\_AND\_EARLY\_G1, REACTOME\_G0\_AND\_EARLY\_G1

REACTOME\_REPRODUCTION, REACTOME\_REPRODUCTION

WP\_BLADDER\_CANCER, WP\_BLADDER\_CANCER

KEGG GLIOMA, KEGG GLIOMA