```
ROSTY_CERVICAL_CANCER_PROLIFERATION_CLUSTER, ROSTY_CERVICAL_CANCER_PROLIFERATION_CLUSTER
                                                                                                    REACTOME_DNA_REPLICATION, REACTOME_DNA_REPLICATION
                                                                                                    PUJANA_BRCA_CENTERED_NETWORK, PUJANA_BRCA_CENTERED_NETWORK
                                                                                                    REACTOME_MITOTIC_G1_PHASE_AND_G1_S_TRANSITION, REACTOME_MITOTIC_G1_PHASE_AND_G1_S_TRANSITION
                                                                                                    FERREIRA_EWINGS_SARCOMA_UNSTABLE_VS_STABLE_UP, FERREIRA_EWINGS_SARCOMA_UNSTABLE_VS_STABLE_UP
                                                                                                    HOFFMANN_LARGE_TO_SMALL_PRE_BII_LYMPHOCYTE_UP, HOFFMANN_LARGE_TO_SMALL_PRE_BII_LYMPHOCYTE_UP
                                                                                                    WP_DNA_REPAIR_PATHWAYS_FULL_NETWORK, WP_DNA_REPAIR_PATHWAYS_FULL_NETWORK
                                                                                                    REACTOME MITOTIC G2 G2 M PHASES, REACTOME MITOTIC G2 G2 M PHASES
                                                                                                    GRAHAM_CML_DIVIDING_VS_NORMAL_QUIESCENT_UP, GRAHAM_CML_DIVIDING_VS_NORMAL_QUIESCENT_UP
                                                                                                    WHITEFORD_PEDIATRIC_CANCER_MARKERS, WHITEFORD_PEDIATRIC_CANCER_MARKERS
                                                                                                    REACTOME_G2_M_CHECKPOINTS, REACTOME_G2_M_CHECKPOINTS
                                                                                                    REACTOME_NUCLEOTIDE_EXCISION_REPAIR, REACTOME_NUCLEOTIDE_EXCISION_REPAIR
                                                                                                    BENPORATH_PROLIFERATION, BENPORATH_PROLIFERATION
                                                                                                    WP_RETINOBLASTOMA_GENE_IN_CANCER, WP_RETINOBLASTOMA_GENE_IN_CANCER
                                                                                                    WHITFIELD_CELL_CYCLE_G2_M, WHITFIELD_CELL_CYCLE_G2_M
                                                                                                    SARRIO_EPITHELIAL_MESENCHYMAL_TRANSITION_UP, SARRIO_EPITHELIAL_MESENCHYMAL_TRANSITION_UP
                                                                                                    KAUFFMANN_DNA_REPLICATION_GENES, KAUFFMANN_DNA_REPLICATION_GENES
                                                                                                    KONG_E2F3_TARGETS, KONG_E2F3_TARGETS
                                                                                                    REACTOME_DNA_DOUBLE_STRAND_BREAK_REPAIR, REACTOME_DNA_DOUBLE_STRAND_BREAK_REPAIR
                                                                                                    CHIANG_LIVER_CANCER_SUBCLASS_PROLIFERATION_UP, CHIANG_LIVER_CANCER_SUBCLASS_PROLIFERATION_UP
                                                                                                    ZHOU_CELL_CYCLE_GENES_IN_IR_RESPONSE_24HR, ZHOU_CELL_CYCLE_GENES_IN_IR_RESPONSE_24HR
                                                                                                    CROONQUIST_IL6_DEPRIVATION_DN, CROONQUIST_IL6_DEPRIVATION_DN
                                                                                                    WELCSH_BRCA1_TARGETS_DN, WELCSH_BRCA1_TARGETS_DN
                                                                                                    REACTOME_GLOBAL_GENOME_NUCLEOTIDE_EXCISION_REPAIR_GG_NER, REACTOME_GLOBAL_GENOME_NUCLEOTIDE_EXCISION_REPAIR_GG_NER
                                                                                                    MORI_LARGE_PRE_BII_LYMPHOCYTE_UP, MORI_LARGE_PRE_BII_LYMPHOCYTE_UP
                                                                                                    MISSIAGLIA_REGULATED_BY_METHYLATION_DN, MISSIAGLIA_REGULATED_BY_METHYLATION_DN
                                                                                                    REACTOME_DNA_REPLICATION_PRE_INITIATION, REACTOME_DNA_REPLICATION_PRE_INITIATION
                                                                                                    WELCSH_BRCA1_TARGETS_UP, WELCSH_BRCA1_TARGETS_UP
                                                                                                    KAUFFMANN_MELANOMA_RELAPSE_UP, KAUFFMANN_MELANOMA_RELAPSE_UP
                                                                                                    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
                                                                                                    LEE_EARLY_T_LYMPHOCYTE_UP, LEE_EARLY_T_LYMPHOCYTE_UP
                                                                                                    REN_BOUND_BY_E2F, REN_BOUND_BY_E2F
                                                                                                    REACTOME_CYCLIN_A_CDK2_ASSOCIATED_EVENTS_AT_S_PHASE_ENTRY, REACTOME_CYCLIN_A_CDK2_ASSOCIATED_EVENTS_AT_S_PHASE_ENTRY
                                                                                                    GRAHAM_NORMAL_QUIESCENT_VS_NORMAL_DIVIDING_DN, GRAHAM_NORMAL_QUIESCENT_VS_NORMAL_DIVIDING_DN
                                                                                                    REACTOME_TRANSCRIPTION_COUPLED_NUCLEOTIDE_EXCISION_REPAIR_TC_NER, REACTOME_TRANSCRIPTION_COUPLED_NUCLEOTIDE_EXCISION_REPAIR_TC_NER
                                                                                                    CROONQUIST_NRAS_SIGNALING_DN, CROONQUIST_NRAS_SIGNALING_DN
                                                                                                    REACTOME_CHROMOSOME_MAINTENANCE, REACTOME_CHROMOSOME_MAINTENANCE
                                                                                                    ALCALA_APOPTOSIS, ALCALA_APOPTOSIS
                                                                                                    VERNELL_RETINOBLASTOMA_PATHWAY_UP, VERNELL_RETINOBLASTOMA_PATHWAY_UP
                                                                                                    REACTOME_AURKA_ACTIVATION_BY_TPX2, REACTOME_AURKA_ACTIVATION_BY_TPX2
                                                                                                    BURTON_ADIPOGENESIS_3, BURTON_ADIPOGENESIS_3
                                                                                                    REACTOME_ORC1_REMOVAL_FROM_CHROMATIN, REACTOME_ORC1_REMOVAL_FROM_CHROMATIN
                                                                                                    ZHOU_CELL_CYCLE_GENES_IN_IR_RESPONSE_6HR, ZHOU_CELL_CYCLE_GENES_IN_IR_RESPONSE_6HR
                                                                                                    REACTOME_APOPTOSIS, REACTOME_APOPTOSIS
                                                                                                    REACTOME_REGULATION_OF_TP53_ACTIVITY_THROUGH_PHOSPHORYLATION, REACTOME_REGULATION_OF_TP53_ACTIVITY_THROUGH_PHOSPHORYLATION
                                                                                                    PUJANA_BREAST_CANCER_WITH_BRCA1_MUTATED_UP, PUJANA_BREAST_CANCER_WITH_BRCA1_MUTATED_UP
                                                                                                    REACTOME_HDR_THROUGH_HOMOLOGOUS_RECOMBINATION_HRR, REACTOME_HDR_THROUGH_HOMOLOGOUS_RECOMBINATION_HRR
                                                                                                     ALONSO_METASTASIS_UP, ALONSO_METASTASIS_UP
                                                                                                    REACTOME_CLEC7A_DECTIN_1_SIGNALING, REACTOME_CLEC7A_DECTIN_1_SIGNALING
                                                                                                    REACTOME_SCF_SKP2_MEDIATED_DEGRADATION_OF_P27_P21, REACTOME_SCF_SKP2_MEDIATED_DEGRADATION_OF_P27_P21
                                                                                                     REACTOME_ASSEMBLY_OF_THE_PRE_REPLICATIVE_COMPLEX, REACTOME_ASSEMBLY_OF_THE_PRE_REPLICATIVE_COMPLEX
                                                                                                    RUIZ TNC TARGETS DN, RUIZ TNC TARGETS DN
                                                                                                    MORI_PLASMA_CELL_UP, MORI_PLASMA_CELL_UP
                                                                                                    REACTOME REGULATION OF MRNA STABILITY BY PROTEINS THAT BIND AU RICH ELEMENTS, REACTOME REGULATION OF MRNA STABILITY BY PROTEINS THAT BIND AU RICH ELEMENTS
                                                                                                    DITTMER_PTHLH_TARGETS_UP, DITTMER_PTHLH_TARGETS_UP
                                                                                                    REACTOME_DUAL_INCISION_IN_TC_NER, REACTOME_DUAL_INCISION_IN_TC_NER
                                                                                                    LE_EGR2_TARGETS_UP, LE_EGR2_TARGETS_UP
                                                                                                    REACTOME_APC_C_CDH1_MEDIATED_DEGRADATION_OF_CDC20_AND_OTHER_APC_C_CDH1_TARGETED_PROTEINS_IN_LATE_MITOSIS_EARLY_G1, REACTOME_APC_C_CDH1_TARGETED_PROTEINS_IN_LATE_MITOSIS_EARLY_G1, REACTOME_APC_C_CDH1_TARGETED_PROTEINS_IN_LATE_MITOSIS_EARLY_G1, REACTOME_APC_C_CDH1_TARGETED_PROTEINS_IN_LATE_MITOSIS_EARLY_G1, REACTOME_APC_C_CDH1_TARGETED_PROTEINS_IN_LATE_MITOSIS_EARLY_G1, REACTOME_APC_C_CDH1_TARGETED_PROTEINS_IN_LATE_MITOSIS_EARLY_G1, REACTOME_APC_C_CDH1_TARGETED_PROTEINS_IN_LATE_MITOSIS_EARLY_G1, REACTOME_APC_C_DH1_TARGETED_PROTEINS_IN_LATE_MITOSIS_EARLY_G1, REACTOME_APC_C_DH1_TARGETED_PROTEINS_IN_LATE_MITOSIS_EARLY_G1, REACTOME_APC_C_DH1_TARGETED_PROTEINS_IN_LATE_MITOSIS_EARLY_G1, REACTOME_APC_C_DH1_TARGETED_TARGETED_TARGETED_TARGETED_TARGETED_TARGETED_TARGETED_TARGETED_TA
                                                                                                    REACTOME_ANTIGEN_PROCESSING_CROSS_PRESENTATION, REACTOME_ANTIGEN_PROCESSING_CROSS_PRESENTATION
                                                                                                    PUIFFE_INVASION_INHIBITED_BY_ASCITES_UP, PUIFFE_INVASION_INHIBITED_BY_ASCITES_UP
                                                                                                    YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_10, YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_10
                                                                                                    REACTOME_TELOMERE_C_STRAND_LAGGING_STRAND_SYNTHESIS, REACTOME_TELOMERE_C_STRAND_LAGGING_STRAND_SYNTHESIS
                                                                                                    REACTOME_NEGATIVE_REGULATION_OF_NOTCH4_SIGNALING, REACTOME_NEGATIVE_REGULATION_OF_NOTCH4_SIGNALING
                                                                                                    WP_DNA_REPLICATION, WP_DNA_REPLICATION
                                                                                                    BLALOCK_ALZHEIMERS_DISEASE_INCIPIENT_DN, BLALOCK_ALZHEIMERS_DISEASE_INCIPIENT_DN
                                                                                                    REACTOME_G2_M_DNA_DAMAGE_CHECKPOINT, REACTOME_G2_M_DNA_DAMAGE_CHECKPOINT
                                                                                                    TAKAO_RESPONSE_TO_UVB_RADIATION_UP, TAKAO_RESPONSE_TO_UVB_RADIATION_UP
                                                                                                    SASAKI_ADULT_T_CELL_LEUKEMIA, SASAKI_ADULT_T_CELL_LEUKEMIA
                                                                                                    PID_PLK1_PATHWAY, PID_PLK1_PATHWAY
                                                                                                    REACTOME_DNA_STRAND_ELONGATION, REACTOME_DNA_STRAND_ELONGATION
                                                                                                    KANG_DOXORUBICIN_RESISTANCE_UP, KANG_DOXORUBICIN_RESISTANCE_UP
                                                                                                    KAMMINGA_EZH2_TARGETS, KAMMINGA_EZH2_TARGETS
                                                                                                    REACTOME_SIGNALING_BY_NOTCH4, REACTOME_SIGNALING_BY_NOTCH4
                                                                                                    BOYAULT_LIVER_CANCER_SUBCLASS_G23_UP, BOYAULT_LIVER_CANCER_SUBCLASS_G23_UP
                                                                                                    REACTOME_EXTENSION_OF_TELOMERES, REACTOME_EXTENSION_OF_TELOMERES
                                                                                                    REACTOME_REGULATION_OF_HMOX1_EXPRESSION_AND_ACTIVITY, REACTOME_REGULATION_OF_HMOX1_EXPRESSION_AND_ACTIVITY
                                                                                                    REACTOME_TELOMERE_MAINTENANCE, REACTOME_TELOMERE_MAINTENANCE
                                                                                                    REACTOME HDR THROUGH SINGLE STRAND ANNEALING SSA, REACTOME HDR THROUGH SINGLE STRAND ANNEALING SSA
                                                                                                    WP_G1_TO_S_CELL_CYCLE_CONTROL, WP_G1_TO_S_CELL_CYCLE_CONTROL
                                                                                                    REACTOME REGULATION OF RAS BY GAPS, REACTOME REGULATION OF RAS BY GAPS
                                                                                                    REACTOME_DNA_DAMAGE_BYPASS, REACTOME_DNA_DAMAGE_BYPASS
                                                                                                    LY_AGING_OLD_DN, LY_AGING_OLD_DN
                                                                                                    KEGG_DNA_REPLICATION, KEGG_DNA_REPLICATION
                                                                                                    SONG_TARGETS_OF_IE86_CMV_PROTEIN, SONG_TARGETS_OF_IE86_CMV_PROTEIN
                                                                                                    PID_FANCONI_PATHWAY, PID_FANCONI_PATHWAY
                                                                                                    KEGG_NUCLEOTIDE_EXCISION_REPAIR, KEGG_NUCLEOTIDE_EXCISION_REPAIR
                                                                                                    ISHIDA_E2F_TARGETS, ISHIDA_E2F_TARGETS
                                                                                                    REACTOME_TRANSCRIPTIONAL_REGULATION_BY_RUNX3, REACTOME_TRANSCRIPTIONAL_REGULATION_BY_RUNX3
                                                                                                    REACTOME PROTEIN UBIQUITINATION, REACTOME PROTEIN UBIQUITINATION
                                                                                                    REACTOME_REGULATION_OF_PTEN_STABILITY_AND_ACTIVITY, REACTOME_REGULATION_OF_PTEN_STABILITY_AND_ACTIVITY
                                                                                                     REACTOME_REGULATION_OF_RUNX3_EXPRESSION_AND_ACTIVITY, REACTOME_REGULATION_OF_RUNX3_EXPRESSION_AND_ACTIVITY
                                                                                                    REACTOME_ACTIVATION_OF_ATR_IN_RESPONSE_TO_REPLICATION_STRESS, REACTOME_ACTIVATION_OF_ATR_IN_RESPONSE_TO_REPLICATION_STRESS
                                                                                                     REACTOME MAPK6 MAPK4 SIGNALING, REACTOME MAPK6 MAPK4 SIGNALING
                                                                                                     REACTOME_G1_S_DNA_DAMAGE_CHECKPOINTS, REACTOME_G1_S_DNA_DAMAGE_CHECKPOINTS
                                                                                                     REACTOME_HOMOLOGOUS_DNA_PAIRING_AND_STRAND_EXCHANGE, REACTOME_HOMOLOGOUS_DNA_PAIRING_AND_STRAND_EXCHANGE
                                                                                                    WP_NUCLEOTIDE_EXCISION_REPAIR, WP_NUCLEOTIDE_EXCISION_REPAIR
                                                                                                    WP_PROTEASOME_DEGRADATION, WP_PROTEASOME_DEGRADATION
                                                                                                     REACTOME_DEGRADATION_OF_AXIN, REACTOME_DEGRADATION_OF_AXIN
                                                                                                     REACTOME_DEGRADATION_OF_DVL, REACTOME_DEGRADATION_OF_DVL
                                                                                                     REACTOME_DECTIN_1_MEDIATED_NONCANONICAL_NF_KB_SIGNALING, REACTOME_DECTIN_1_MEDIATED_NONCANONICAL_NF_KB_SIGNALING
                                                                                                     REACTOME_ACTIVATION_OF_THE_PRE_REPLICATIVE_COMPLEX, REACTOME_ACTIVATION_OF_THE_PRE_REPLICATIVE_COMPLEX
                                                                                                     LANG_MYB_FAMILY_TARGETS, LANG_MYB_FAMILY_TARGETS
                                                                                                     YAMAZAKI_TCEB3_TARGETS_DN, YAMAZAKI_TCEB3_TARGETS_DN
                                                                                                    WHITFIELD CELL CYCLE LITERATURE, WHITFIELD CELL CYCLE LITERATURE
                                                                                                    REACTOME_AUF1_HNRNP_D0_BINDS_AND_DESTABILIZES_MRNA, REACTOME_AUF1_HNRNP_D0_BINDS_AND_DESTABILIZES_MRNA
                                                                                                    REACTOME DUAL INCISION IN GG NER, REACTOME DUAL INCISION IN GG NER
                                                                                                     REACTOME_C_TYPE_LECTIN_RECEPTORS_CLRS, REACTOME_C_TYPE_LECTIN_RECEPTORS_CLRS
                                                                                                    REACTOME DEFECTIVE CFTR CAUSES CYSTIC FIBROSIS, REACTOME DEFECTIVE CFTR CAUSES CYSTIC FIBROSIS
                                                                                                    PELLICCIOTTA_HDAC_IN_ANTIGEN_PRESENTATION_DN, PELLICCIOTTA_HDAC_IN_ANTIGEN_PRESENTATION_DN
                                                                                                    FURUKAWA_DUSP6_TARGETS_PCI35_DN, FURUKAWA_DUSP6_TARGETS_PCI35_DN
                                                                                                    CAFFAREL_RESPONSE_TO_THC_DN, CAFFAREL_RESPONSE_TO_THC_DN
CLASS_UNANNOTATED_DN, CHIANG_LIVER_CANCER_SUBCLASS_UNANNOTATED_DN
                                                                                                    REACTOME_POLYMERASE_SWITCHING_ON_THE_C_STRAND_OF_THE_TELOMERE, REACTOME_POLYMERASE_SWITCHING_ON_THE_C_STRAND_OF_THE_TELOMERE
                                                                                                    BHATI_G2M_ARREST_BY_2METHOXYESTRADIOL_UP, BHATI_G2M_ARREST_BY_2METHOXYESTRADIOL_UP
                                                                                                     HONMA_DOCETAXEL_RESISTANCE, HONMA_DOCETAXEL_RESISTANCE
                                                                                                     ZAMORA_NOS2_TARGETS_UP, ZAMORA_NOS2_TARGETS_UP
                                                                                                    REACTOME_CROSS_PRESENTATION_OF_SOLUBLE_EXOGENOUS_ANTIGENS_ENDOSOMES, REACTOME_CROSS_PRESENTATION_OF_SOLUBLE_EXOGENOUS_ANTIGENS_ENDOSOMES
                                                                                                    WILCOX_RESPONSE_TO_PROGESTERONE_UP, WILCOX_RESPONSE_TO_PROGESTERONE_UP
                                                                                                     SCHLOSSER_MYC_AND_SERUM_RESPONSE_SYNERGY, SCHLOSSER_MYC_AND_SERUM_RESPONSE_SYNERGY
                                                                                                     ZHAN_MULTIPLE_MYELOMA_PR_UP, ZHAN_MULTIPLE_MYELOMA_PR_UP
                                                                                                     REACTOME_PROCESSIVE_SYNTHESIS_ON_THE_C_STRAND_OF_THE_TELOMERE, REACTOME_PROCESSIVE_SYNTHESIS_ON_THE_C_STRAND_OF_THE_TELOMERE
                                                                                                     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
                                                                                                     JOHANSSON_GLIOMAGENESIS_BY_PDGFB_UP, JOHANSSON_GLIOMAGENESIS_BY_PDGFB_UP
                                                                                                     REACTOME_G1_S_SPECIFIC_TRANSCRIPTION, REACTOME_G1_S_SPECIFIC_TRANSCRIPTION
                                                                                                     REACTOME_CELLULAR_RESPONSE_TO_HYPOXIA, REACTOME_CELLULAR_RESPONSE_TO_HYPOXIA
                                                                                                     PRAMOONJAGO_SOX4_TARGETS_DN, PRAMOONJAGO_SOX4_TARGETS_DN
                                                                                                     REACTOME_HEDGEHOG_LIGAND_BIOGENESIS, REACTOME_HEDGEHOG_LIGAND_BIOGENESIS
                                                                                                     REACTOME_STABILIZATION_OF_P53, REACTOME_STABILIZATION_OF_P53
                                                                                                     YAGI_AML_FAB_MARKERS, YAGI_AML_FAB_MARKERS
                                                                                                    ZHONG_SECRETOME_OF_LUNG_CANCER_AND_FIBROBLAST, ZHONG_SECRETOME_OF_LUNG_CANCER_AND_FIBROBLAST
                                                                                                     KEGG_MISMATCH_REPAIR, KEGG_MISMATCH_REPAIR
                                                                                                     LANDIS_ERBB2_BREAST_TUMORS_324_UP, LANDIS_ERBB2_BREAST_TUMORS_324_UP
                                                                                                    WP_PHOTODYNAMIC_THERAPYINDUCED_UNFOLDED_PROTEIN_RESPONSE, WP_PHOTODYNAMIC_THERAPYINDUCED_UNFOLDED_PROTEIN_RESPONSE
                                                                                                    HU_ANGIOGENESIS_DN, HU_ANGIOGENESIS_DN
                                                                                                    TARTE_PLASMA_CELL_VS_B_LYMPHOCYTE_UP, TARTE_PLASMA_CELL_VS_B_LYMPHOCYTE_UP
                                                                                                    VANTVEER_BREAST_CANCER_METASTASIS_DN, VANTVEER_BREAST_CANCER_METASTASIS_DN
                                                                                                    BURTON_ADIPOGENESIS_PEAK_AT_16HR, BURTON_ADIPOGENESIS_PEAK_AT_16HR
                                                                                                    LUI_THYROID_CANCER_CLUSTER_3, LUI_THYROID_CANCER_CLUSTER_3
                                                                                                    ZHONG_SECRETOME_OF_LUNG_CANCER_AND_MACROPHAGE, ZHONG_SECRETOME_OF_LUNG_CANCER_AND_MACROPHAGE
                                                                                                    REACTOME_METABOLISM_OF_POLYAMINES, REACTOME_METABOLISM_OF_POLYAMINES
                                                                                                    REACTOME_TCR_SIGNALING, REACTOME_TCR_SIGNALING
                                                                                                    REACTOME_RECOGNITION_OF_DNA_DAMAGE_BY_PCNA_CONTAINING_REPLICATION_COMPLEX, REACTOME_RECOGNITION_OF_DNA_DAMAGE_BY_PCNA_CONTAINING_REPLICATION_COMPLEX
                                                                                                    REACTOME_LAGGING_STRAND_SYNTHESIS, REACTOME_LAGGING_STRAND_SYNTHESIS
                                                                                                    REACTOME MTOR SIGNALLING, REACTOME MTOR SIGNALLING
                                                                                                    REACTOME_REGULATION_OF_RUNX2_EXPRESSION_AND_ACTIVITY, REACTOME_REGULATION_OF_RUNX2_EXPRESSION_AND_ACTIVITY
                                                                                                    WP_BASE_EXCISION_REPAIR, WP_BASE_EXCISION_REPAIR
                                                                                                    REACTOME_RESOLUTION_OF_ABASIC_SITES_AP_SITES, REACTOME_RESOLUTION_OF_ABASIC_SITES_AP_SITES
                                                                                                    SCIBETTA_KDM5B_TARGETS_DN, SCIBETTA_KDM5B_TARGETS_DN
                                                                                                    KEGG_BASE_EXCISION_REPAIR, KEGG_BASE_EXCISION_REPAIR
                                                                                                    BOYAULT_LIVER_CANCER_SUBCLASS_G123_UP, BOYAULT_LIVER_CANCER_SUBCLASS_G123_UP
                                                                                                    WU_APOPTOSIS_BY_CDKN1A_VIA_TP53, WU_APOPTOSIS_BY_CDKN1A_VIA_TP53
                                                                                                    KEGG_PROGESTERONE_MEDIATED_OOCYTE_MATURATION, KEGG_PROGESTERONE_MEDIATED_OOCYTE_MATURATION
                                                                                                    PID_P53_DOWNSTREAM_PATHWAY, PID_P53_DOWNSTREAM_PATHWAY
                                                                                                    WP_INTEGRATED_CANCER_PATHWAY, WP_INTEGRATED_CANCER_PATHWAY
                                                                                                    STEIN_ESRRA_TARGETS_RESPONSIVE_TO_ESTROGEN_DN, STEIN_ESRRA_TARGETS_RESPONSIVE_TO_ESTROGEN_DN
                                                                                                    REACTOME_PCP_CE_PATHWAY, REACTOME_PCP_CE_PATHWAY
                                                                                                    REACTOME_DEGRADATION_OF_GLI1_BY_THE_PROTEASOME, REACTOME_DEGRADATION_OF_GLI1_BY_THE_PROTEASOME
                                                                                                    GAVIN_FOXP3_TARGETS_CLUSTER_P6, GAVIN_FOXP3_TARGETS_CLUSTER_P6
                                                                                                    REACTOME_BETA_CATENIN_INDEPENDENT_WNT_SIGNALING, REACTOME_BETA_CATENIN_INDEPENDENT_WNT_SIGNALING
                                                                                                    REACTOME_PROCESSIVE_SYNTHESIS_ON_THE_LAGGING_STRAND, REACTOME_PROCESSIVE_SYNTHESIS_ON_THE_LAGGING_STRAND
                                                                                                    CHOW_RASSF1_TARGETS_DN, CHOW_RASSF1_TARGETS_DN
                                                                                                    REACTOME_GAP_FILLING_DNA_REPAIR_SYNTHESIS_AND_LIGATION_IN_GG_NER, REACTOME_GAP_FILLING_DNA_REPAIR_SYNTHESIS_AND_LIGATION_IN_GG_NER
                                                                                                    WP_PARKINUBIQUITIN_PROTEASOMAL_SYSTEM_PATHWAY, WP_PARKINUBIQUITIN_PROTEASOMAL_SYSTEM_PATHWAY
                                                                                                    POMEROY_MEDULLOBLASTOMA_PROGNOSIS_DN, POMEROY_MEDULLOBLASTOMA_PROGNOSIS_DN
                                                                                                    REACTOME TERMINATION OF TRANSLESION DNA SYNTHESIS, REACTOME TERMINATION OF TRANSLESION DNA SYNTHESIS
                                                                                                    WP_DNA_MISMATCH_REPAIR, WP_DNA_MISMATCH_REPAIR
                                                                                                    REACTOME_THE_ROLE_OF_GTSE1_IN_G2_M_PROGRESSION_AFTER_G2_CHECKPOINT, REACTOME_THE_ROLE_OF_GTSE1_IN_G2_M_PROGRESSION_AFTER_G2_CHECKPOINT
                                                                                                    GREENBAUM E2A TARGETS UP, GREENBAUM E2A TARGETS UP
                                                                                                    REACTOME_TRANSLESION_SYNTHESIS_BY_POLK, REACTOME_TRANSLESION_SYNTHESIS_BY_POLK
                                                                                                    REACTOME TRANSLESION SYNTHESIS BY POLH, REACTOME TRANSLESION SYNTHESIS BY POLH
                                                                                                    PID_CMYB_PATHWAY, PID_CMYB_PATHWAY
                                                                                                    REACTOME_MISMATCH_REPAIR, REACTOME_MISMATCH_REPAIR
                                                                                                     CAIRO_PML_TARGETS_BOUND_BY_MYC_UP, CAIRO_PML_TARGETS_BOUND_BY_MYC_UP
                                                                                                     REACTOME_SIGNALING_BY_HEDGEHOG, REACTOME_SIGNALING_BY_HEDGEHOG
                                                                                                    WIELAND UP BY HBV INFECTION, WIELAND UP BY HBV INFECTION
                                                                                                    WP_GASTRIC_CANCER_NETWORK_2, WP_GASTRIC_CANCER_NETWORK_2
                                                                                                    KEGG_P53_SIGNALING_PATHWAY, KEGG_P53_SIGNALING_PATHWAY
                                                                                                     REACTOME_BASE_EXCISION_REPAIR, REACTOME_BASE_EXCISION_REPAIR
                                                                                                     PANGAS_TUMOR_SUPPRESSION_BY_SMAD1_AND_SMAD5_DN, PANGAS_TUMOR_SUPPRESSION_BY_SMAD1_AND_SMAD5_DN
                                                                                                    PID P73PATHWAY, PID P73PATHWAY
                                                                                                    REACTOME_ABC_FAMILY_PROTEINS_MEDIATED_TRANSPORT, REACTOME_ABC_FAMILY_PROTEINS_MEDIATED_TRANSPORT
                                                                                                    REACTOME_RESOLUTION_OF_AP_SITES_VIA_THE_MULTIPLE_NUCLEOTIDE_PATCH_REPLACEMENT_PATHWAY, REACTOME_RESOLUTION_OF_AP_SITES_VIA_THE_MULTIPLE_NUCLEOTIDE_PATCH_REPLACEMENT_PATHWAY
                                                                                                    KEGG N GLYCAN BIOSYNTHESIS, KEGG N GLYCAN BIOSYNTHESIS
                                                                                                    REACTOME ASYMMETRIC LOCALIZATION OF PCP PROTEINS, REACTOME ASYMMETRIC LOCALIZATION OF PCP PROTEINS
                                                                                                    KEGG_PROTEASOME, KEGG_PROTEASOME
                                                                                                    REACTOME_GOLGI_CISTERNAE_PERICENTRIOLAR_STACK_REORGANIZATION, REACTOME_GOLGI_CISTERNAE_PERICENTRIOLAR_STACK_REORGANIZATION
                                                                                                    REACTOME_ABC_TRANSPORTER_DISORDERS, REACTOME_ABC_TRANSPORTER_DISORDERS
                                                                                                    HAHTOLA MYCOSIS FUNGOIDES SKIN DN, HAHTOLA MYCOSIS FUNGOIDES SKIN DN
                                                                                                    KEGG OTHER GLYCAN DEGRADATION, KEGG OTHER GLYCAN DEGRADATION
                                                                                                    REACTOME RUNX1 REGULATES TRANSCRIPTION OF GENES INVOLVED IN DIFFERENTIATION OF HSCS, REACTOME RUNX1 REGULATES TRANSCRIPTION OF GENES INVOLVED IN DIFFERENTIATION OF HSCS
                                                                                                    IWANAGA_E2F1_TARGETS_INDUCED_BY_SERUM, IWANAGA_E2F1_TARGETS_INDUCED_BY_SERUM
                                                                                                    WP_CORI_CYCLE, WP_CORI_CYCLE
                                                                                                    KALMA E2F1 TARGETS, KALMA E2F1 TARGETS
                                                                                                    REACTOME_CONDENSATION_OF_PROMETAPHASE_CHROMOSOMES, REACTOME_CONDENSATION_OF_PROMETAPHASE_CHROMOSOMES
                                                                                                    CAFFAREL RESPONSE TO THC 8HR 5 DN, CAFFAREL RESPONSE TO THC 8HR 5 DN
                                                                                                    LU_AGING_BRAIN_DN, LU_AGING_BRAIN_DN
                                                                                                    PID FOXM1 PATHWAY, PID FOXM1 PATHWAY
                                                                                                    KOKKINAKIS_METHIONINE_DEPRIVATION_48HR_UP, KOKKINAKIS_METHIONINE_DEPRIVATION_48HR_UP
                                                                                                    FINETTI_BREAST_CANCER_KINOME_RED, FINETTI_BREAST_CANCER_KINOME_RED
                                                                                                    REACTOME_HEDGEHOG_OFF_STATE, REACTOME_HEDGEHOG_OFF_STATE
                                                                                                    REACTOME_PCNA_DEPENDENT_LONG_PATCH_BASE_EXCISION_REPAIR, REACTOME_PCNA_DEPENDENT_LONG_PATCH_BASE_EXCISION_REPAIR
                                                                                                    BIOCARTA_AKAPCENTROSOME_PATHWAY, BIOCARTA_AKAPCENTROSOME_PATHWAY
                                                                                                    MARTINEZ_RESPONSE_TO_TRABECTEDIN_UP, MARTINEZ_RESPONSE_TO_TRABECTEDIN_UP
                                                                                                    REACTOME_ENERGY_DEPENDENT_REGULATION_OF_MTOR_BY_LKB1_AMPK, REACTOME_ENERGY_DEPENDENT_REGULATION_OF_MTOR_BY_LKB1_AMPK
                                                                                                    REACTOME_TNFR2_NON_CANONICAL_NF_KB_PATHWAY, REACTOME_TNFR2_NON_CANONICAL_NF_KB_PATHWAY
                                                                                                    JIANG AGING CEREBRAL CORTEX DN, JIANG AGING CEREBRAL CORTEX DN
                                                                                                    BIOCARTA CELLCYCLE PATHWAY, BIOCARTA CELLCYCLE PATHWAY
                                                                                                    VISALA_RESPONSE_TO_HEAT_SHOCK_AND_AGING_DN, VISALA_RESPONSE_TO_HEAT_SHOCK_AND_AGING_DN
                                                                                                    YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_12, YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_12
                                                                                                    BIOCARTA_P53_PATHWAY, BIOCARTA_P53_PATHWAY
                                                                                                    MINGUEZ LIVER CANCER VASCULAR INVASION UP, MINGUEZ LIVER CANCER VASCULAR INVASION UP
                                                                                                    BAE_BRCA1_TARGETS_UP, BAE_BRCA1_TARGETS_UP
                                                                                                    REACTOME_RHOBTB2_GTPASE_CYCLE, REACTOME_RHOBTB2_GTPASE_CYCLE
                                                                                                    REACTOME_POLYMERASE_SWITCHING, REACTOME_POLYMERASE_SWITCHING
                                                                                                    BIOCARTA_PROTEASOME_PATHWAY, BIOCARTA_PROTEASOME_PATHWAY
                                                                                                    REACTOME_INITIATION_OF_NUCLEAR_ENVELOPE_NE_REFORMATION, REACTOME_INITIATION_OF_NUCLEAR_ENVELOPE_NE_REFORMATION
                                                                                                    DAIRKEE_CANCER_PRONE_RESPONSE_BPA, DAIRKEE_CANCER_PRONE_RESPONSE_BPA
                                                                                                    SHIPP_DLBCL_CURED_VS_FATAL_DN, SHIPP_DLBCL_CURED_VS_FATAL_DN
                                                                                                    NADLER_HYPERGLYCEMIA_AT_OBESITY, NADLER_HYPERGLYCEMIA_AT_OBESITY
                                                                                                    TANG_SENESCENCE_TP53_TARGETS_DN, TANG_SENESCENCE_TP53_TARGETS_DN
                                                                                                    REACTOME_HEDGEHOG_ON_STATE, REACTOME_HEDGEHOG_ON_STATE
                                                                                                    MEINHOLD OVARIAN CANCER LOW GRADE DN, MEINHOLD OVARIAN CANCER LOW GRADE DN
                                                                                                    SWEET_KRAS_ONCOGENIC_SIGNATURE, SWEET_KRAS_ONCOGENIC_SIGNATURE
                                                                                                    DELLA_RESPONSE_TO_TSA_AND_BUTYRATE, DELLA_RESPONSE_TO_TSA_AND_BUTYRATE
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REACTOME S PHASE, REACTOME S PHASE

YU\_BAP1\_TARGETS, YU\_BAP1\_TARGETS

MEISSNER\_NPC\_ICP\_WITH\_H3K4ME3, MEISSNER\_NPC\_ICP\_WITH\_H3K4ME3

SOTIRIOU\_BREAST\_CANCER\_GRADE\_1\_VS\_3\_UP, SOTIRIOU\_BREAST\_CANCER\_GRADE\_1\_VS\_3\_UP

WINNEPENNINCKX\_MELANOMA\_METASTASIS\_UP, WINNEPENNINCKX\_MELANOMA\_METASTASIS\_UP