```
REACTOME_DNA_DOUBLE_STRAND_BREAK_REPAIR, REACTOME_DNA_DOUBLE_STRAND_BREAK_REPAIR
                                                                                 ROSTY_CERVICAL_CANCER_PROLIFERATION_CLUSTER, ROSTY_CERVICAL_CANCER_PROLIFERATION_CLUSTER
                                                                                 PUJANA_XPRSS_INT_NETWORK, PUJANA_XPRSS_INT_NETWORK
                                                                                 REACTOME_G2_M_CHECKPOINTS, REACTOME_G2_M_CHECKPOINTS
                                                                                 WINNEPENNINCKX_MELANOMA_METASTASIS_UP, WINNEPENNINCKX_MELANOMA_METASTASIS_UP
                                                                                 BOYAULT LIVER CANCER SUBCLASS G3_UP, BOYAULT LIVER CANCER SUBCLASS G3_UP
                                                                                 FUJII_YBX1_TARGETS_DN, FUJII_YBX1_TARGETS_DN
                                                                                 LEE_LIVER_CANCER_SURVIVAL_DN, LEE_LIVER_CANCER_SURVIVAL_DN
                                                                                 BENPORATH_PROLIFERATION, BENPORATH_PROLIFERATION
                                                                                 REACTOME_MITOTIC_PROPHASE, REACTOME_MITOTIC_PROPHASE
                                                                                 REACTOME HOMOLOGY DIRECTED REPAIR, REACTOME HOMOLOGY DIRECTED REPAIR
                                                                                 HOFFMANN_LARGE_TO_SMALL_PRE_BII_LYMPHOCYTE_UP, HOFFMANN_LARGE_TO_SMALL_PRE_BII_LYMPHOCYTE_UP
                                                                                 FERREIRA EWINGS SARCOMA UNSTABLE VS STABLE UP, FERREIRA EWINGS SARCOMA UNSTABLE VS STABLE UP
                                                                                 REACTOME_S_PHASE, REACTOME_S_PHASE
                                                                                 GRAHAM_CML_DIVIDING_VS_NORMAL_QUIESCENT_UP, GRAHAM_CML_DIVIDING_VS_NORMAL_QUIESCENT_UP
                                                                                 PUJANA_BRCA_CENTERED_NETWORK, PUJANA_BRCA_CENTERED_NETWORK
                                                                                 REACTOME_SEPARATION_OF_SISTER_CHROMATIDS, REACTOME_SEPARATION_OF_SISTER_CHROMATIDS
                                                                                 MISSIAGLIA_REGULATED_BY_METHYLATION_DN, MISSIAGLIA_REGULATED_BY_METHYLATION_DN
                                                                                 REACTOME_DNA_REPLICATION, REACTOME_DNA_REPLICATION
                                                                                 CHIANG_LIVER_CANCER_SUBCLASS_UNANNOTATED_DN, CHIANG_LIVER_CANCER_SUBCLASS_UNANNOTATED_DN
                                                                                 SARRIO_EPITHELIAL_MESENCHYMAL_TRANSITION_UP, SARRIO_EPITHELIAL_MESENCHYMAL_TRANSITION_UP
                                                                                 REACTOME MITOTIC G1 PHASE AND G1 S TRANSITION, REACTOME MITOTIC G1 PHASE AND G1 S TRANSITION
                                                                                 CROONQUIST_IL6_DEPRIVATION_DN, CROONQUIST_IL6_DEPRIVATION_DN
                                                                                 REACTOME_PROCESSING_OF_DNA_DOUBLE_STRAND_BREAK_ENDS, REACTOME_PROCESSING_OF_DNA_DOUBLE_STRAND_BREAK_ENDS
                                                                                 WHITEFORD_PEDIATRIC_CANCER_MARKERS, WHITEFORD_PEDIATRIC_CANCER_MARKERS
                                                                                 REACTOME_G2_M_DNA_DAMAGE_CHECKPOINT, REACTOME_G2_M_DNA_DAMAGE_CHECKPOINT
                                                                                 REACTOME_CHROMOSOME_MAINTENANCE, REACTOME_CHROMOSOME_MAINTENANCE
                                                                                 REACTOME MITOTIC SPINDLE CHECKPOINT, REACTOME MITOTIC SPINDLE CHECKPOINT
                                                                                 MORI_LARGE_PRE_BII_LYMPHOCYTE_UP, MORI_LARGE_PRE_BII_LYMPHOCYTE_UP
                                                                                 PUJANA_BREAST_CANCER_WITH_BRCA1_MUTATED_UP, PUJANA_BREAST_CANCER_WITH_BRCA1_MUTATED_UP
                                                                                 FLORIO_NEOCORTEX_BASAL_RADIAL_GLIA_DN, FLORIO_NEOCORTEX_BASAL_RADIAL_GLIA_DN
                                                                                 ZHOU_CELL_CYCLE_GENES_IN_IR_RESPONSE_24HR, ZHOU_CELL_CYCLE_GENES_IN_IR_RESPONSE_24HR
                                                                                 REACTOME_CONDENSATION_OF_PROPHASE_CHROMOSOMES, REACTOME_CONDENSATION_OF_PROPHASE_CHROMOSOMES
                                                                                 ZHOU_CELL_CYCLE_GENES_IN_IR_RESPONSE_6HR, ZHOU_CELL_CYCLE_GENES_IN_IR_RESPONSE_6HR
                                                                                 REACTOME_MITOTIC_G2_G2_M_PHASES, REACTOME_MITOTIC_G2_G2_M_PHASES
                                                                                 KONG_E2F3_TARGETS, KONG_E2F3_TARGETS
                                                                                 WHITFIELD_CELL_CYCLE_G2_M, WHITFIELD_CELL_CYCLE_G2_M
                                                                                 REACTOME_DEPOSITION_OF_NEW_CENPA_CONTAINING_NUCLEOSOMES_AT_THE_CENTROMERE, REACTOME_DEPOSITION_OF_NEW_CENPA_CONTAINING_NUCLEOSOMES_AT_THE_CENTROMERE
                                                                                 REACTOME_CELLULAR_SENESCENCE, REACTOME_CELLULAR_SENESCENCE
                                                                                 REACTOME_DNA_REPLICATION_PRE_INITIATION, REACTOME_DNA_REPLICATION_PRE_INITIATION
                                                                                 LI_WILMS_TUMOR_VS_FETAL_KIDNEY_1_DN, LI_WILMS_TUMOR_VS_FETAL_KIDNEY_1_DN
                                                                                 BURTON_ADIPOGENESIS_3, BURTON_ADIPOGENESIS_3
                                                                                 REACTOME_ASSEMBLY_OF_THE_PRE_REPLICATIVE_COMPLEX, REACTOME_ASSEMBLY_OF_THE_PRE_REPLICATIVE_COMPLEX
                                                                                 DANG_MYC_TARGETS_UP, DANG_MYC_TARGETS_UP
                                                                                 REN_BOUND_BY_E2F, REN_BOUND_BY_E2F
                                                                                 VILLANUEVA_LIVER_CANCER_KRT19_UP, VILLANUEVA_LIVER_CANCER_KRT19_UP
                                                                                 REACTOME SUMOYLATION OF DNA REPLICATION PROTEINS, REACTOME SUMOYLATION OF DNA REPLICATION PROTEINS
                                                                                 CHEMNITZ_RESPONSE_TO_PROSTAGLANDIN_E2_UP, CHEMNITZ_RESPONSE_TO_PROSTAGLANDIN_E2_UP
                                                                                 CROONQUIST_NRAS_SIGNALING_DN, CROONQUIST_NRAS_SIGNALING_DN
                                                                                 PUJANA_BREAST_CANCER_LIT_INT_NETWORK, PUJANA_BREAST_CANCER_LIT_INT_NETWORK
                                                                                 REACTOME_TELOMERE_MAINTENANCE, REACTOME_TELOMERE_MAINTENANCE
                                                                                 REACTOME_DNA_DAMAGE_TELOMERE_STRESS_INDUCED_SENESCENCE, REACTOME_DNA_DAMAGE_TELOMERE_STRESS_INDUCED_SENESCENCE
                                                                                 KAUFFMANN MELANOMA RELAPSE UP, KAUFFMANN MELANOMA RELAPSE UP
                                                                                 REACTOME SWITCHING OF ORIGINS TO A POST REPLICATIVE STATE, REACTOME SWITCHING OF ORIGINS TO A POST REPLICATIVE STATE
                                                                                 REACTOME_RESOLUTION_OF_SISTER_CHROMATID_COHESION, REACTOME_RESOLUTION_OF_SISTER_CHROMATID_COHESION
                                                                                 REACTOME_ORC1_REMOVAL_FROM_CHROMATIN, REACTOME_ORC1_REMOVAL_FROM_CHROMATIN
                                                                                 OUELLET_OVARIAN_CANCER_INVASIVE_VS_LMP_UP, OUELLET_OVARIAN_CANCER_INVASIVE_VS_LMP_UP
                                                                                 GRAHAM_NORMAL_QUIESCENT_VS_NORMAL_DIVIDING_DN, GRAHAM_NORMAL_QUIESCENT_VS_NORMAL_DIVIDING_DN
                                                                                 ODONNELL_TFRC_TARGETS_DN, ODONNELL_TFRC_TARGETS_DN
                                                                                 WHITFIELD_CELL_CYCLE_S, WHITFIELD_CELL_CYCLE_S
                                                                                 MORI_IMMATURE_B_LYMPHOCYTE_DN, MORI_IMMATURE_B_LYMPHOCYTE_DN
                                                                                 REACTOME_REGULATION_OF_TP53_ACTIVITY, REACTOME_REGULATION_OF_TP53_ACTIVITY
                                                                                 RHODES_UNDIFFERENTIATED_CANCER, RHODES_UNDIFFERENTIATED_CANCER
                                                                                 FISCHER_G1_S_CELL_CYCLE, FISCHER_G1_S_CELL_CYCLE
                                                                                 REACTOME_MEIOTIC_RECOMBINATION, REACTOME_MEIOTIC_RECOMBINATION
                                                                                 CHIANG_LIVER_CANCER_SUBCLASS_PROLIFERATION_UP, CHIANG_LIVER_CANCER_SUBCLASS_PROLIFERATION_UP
                                                                                 REACTOME_APC_C_MEDIATED_DEGRADATION_OF_CELL_CYCLE_PROTEINS, REACTOME_APC_C_MEDIATED_DEGRADATION_OF_CELL_CYCLE_PROTEINS
                                                                                 PYEON_CANCER_HEAD_AND_NECK_VS_CERVICAL_UP, PYEON_CANCER_HEAD_AND_NECK_VS_CERVICAL_UP
                                                                                 LASTOWSKA_NEUROBLASTOMA_COPY_NUMBER_UP, LASTOWSKA_NEUROBLASTOMA_COPY_NUMBER_UP
                                                                                 WHITFIELD_CELL_CYCLE_G2, WHITFIELD_CELL_CYCLE_G2
                                                                                 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_PROTEIN
                                                                                 MOREAUX_B_LYMPHOCYTE_MATURATION_BY_TACI_DN, MOREAUX_B_LYMPHOCYTE_MATURATION_BY_TACI_DN
                                                                                 DAZARD_UV_RESPONSE_CLUSTER_G6, DAZARD_UV_RESPONSE_CLUSTER_G6
                                                                                 WHITFIELD_CELL_CYCLE_G1_S, WHITFIELD_CELL_CYCLE_G1_S
                                                                                 REACTOME_CYCLIN_A_CDK2_ASSOCIATED_EVENTS_AT_S_PHASE_ENTRY, REACTOME_CYCLIN_A_CDK2_ASSOCIATED_EVENTS_AT_S_PHASE_ENTRY
                                                                                 KEGG_CELL_CYCLE, KEGG_CELL_CYCLE
                                                                                 REACTOME_MEIOSIS, REACTOME_MEIOSIS
                                                                                 GARCIA_TARGETS_OF_FLI1_AND_DAX1_DN, GARCIA_TARGETS_OF_FLI1_AND_DAX1_DN
                                                                                 MORI_PRE_BI_LYMPHOCYTE_UP, MORI_PRE_BI_LYMPHOCYTE_UP
                                                                                 GEORGES_CELL_CYCLE_MIR192_TARGETS, GEORGES_CELL_CYCLE_MIR192_TARGETS
                                                                                 ISHIDA E2F TARGETS, ISHIDA E2F TARGETS
                                                                                 REACTOME_NUCLEAR_ENVELOPE_BREAKDOWN, REACTOME_NUCLEAR_ENVELOPE_BREAKDOWN
                                                                                 REACTOME_SENESCENCE_ASSOCIATED_SECRETORY_PHENOTYPE_SASP, REACTOME_SENESCENCE_ASSOCIATED_SECRETORY_PHENOTYPE_SASP
                                                                                 ABRAMSON_INTERACT_WITH_AIRE, ABRAMSON_INTERACT_WITH_AIRE
                                                                                 KAUFFMANN_DNA_REPLICATION_GENES, KAUFFMANN_DNA_REPLICATION_GENES
                                                                                 REACTOME_NUCLEAR_PORE_COMPLEX_NPC_DISASSEMBLY, REACTOME_NUCLEAR_PORE_COMPLEX_NPC_DISASSEMBLY
                                                                                 HOLLMANN_APOPTOSIS_VIA_CD40_UP, HOLLMANN_APOPTOSIS_VIA_CD40_UP
                                                                                 RIZ_ERYTHROID_DIFFERENTIATION, RIZ_ERYTHROID_DIFFERENTIATION
                                                                                 LEE_EARLY_T_LYMPHOCYTE_UP, LEE_EARLY_T_LYMPHOCYTE_UP
                                                                                 BROWNE_HCMV_INFECTION_14HR_UP, BROWNE_HCMV_INFECTION_14HR_UP
                                                                                 WU_APOPTOSIS_BY_CDKN1A_VIA_TP53, WU_APOPTOSIS_BY_CDKN1A_VIA_TP53
                                                                                 MOLENAAR_TARGETS_OF_CCND1_AND_CDK4_DN, MOLENAAR_TARGETS_OF_CCND1_AND_CDK4_DN
                                                                                 LY_AGING_OLD_DN, LY_AGING_OLD_DN
                                                                                 MALONEY_RESPONSE_TO_17AAG_DN, MALONEY_RESPONSE_TO_17AAG_DN
                                                                                 ODONNELL_TARGETS_OF_MYC_AND_TFRC_DN, ODONNELL_TARGETS_OF_MYC_AND_TFRC_DN
                                                                                 REACTOME_SCF_SKP2_MEDIATED_DEGRADATION_OF_P27_P21, REACTOME_SCF_SKP2_MEDIATED_DEGRADATION_OF_P27_P21
                                                                                 BOYAULT_LIVER_CANCER_SUBCLASS_G23_UP, BOYAULT_LIVER_CANCER_SUBCLASS_G23_UP
                                                                                 KAMMINGA_EZH2_TARGETS, KAMMINGA_EZH2_TARGETS
                                                                                 MATTIOLI_MGUS_VS_PCL, MATTIOLI_MGUS_VS_PCL
                                                                                 REACTOME_AURKA_ACTIVATION_BY_TPX2, REACTOME_AURKA_ACTIVATION_BY_TPX2
                                                                                 KANG_DOXORUBICIN_RESISTANCE_UP, KANG_DOXORUBICIN_RESISTANCE_UP
                                                                                 SONG_TARGETS_OF_IE86_CMV_PROTEIN, SONG_TARGETS_OF_IE86_CMV_PROTEIN
                                                                                 REACTOME_REGULATION_OF_PLK1_ACTIVITY_AT_G2_M_TRANSITION, REACTOME_REGULATION_OF_PLK1_ACTIVITY_AT_G2_M_TRANSITION
                                                                                 REACTOME_RHO_GTPASES_ACTIVATE_FORMINS, REACTOME_RHO_GTPASES_ACTIVATE_FORMINS
                                                                                 REACTOME_HDR_THROUGH_HOMOLOGOUS_RECOMBINATION_HRR, REACTOME_HDR_THROUGH_HOMOLOGOUS_RECOMBINATION_HRR
                                                                                 FARMER_BREAST_CANCER_CLUSTER_2, FARMER_BREAST_CANCER_CLUSTER_2
                                                                                 REACTOME G1 S DNA DAMAGE CHECKPOINTS, REACTOME G1 S DNA DAMAGE CHECKPOINTS
                                                                                 PROVENZANI METASTASIS UP, PROVENZANI METASTASIS UP
                                                                                 BERTUCCI_MEDULLARY_VS_DUCTAL_BREAST_CANCER_UP, BERTUCCI_MEDULLARY_VS_DUCTAL_BREAST_CANCER_UP
                                                                                 RHODES_CANCER_META_SIGNATURE, RHODES_CANCER_META_SIGNATURE
                                                                                 JIANG_VHL_TARGETS, JIANG_VHL_TARGETS
                                                                                 REACTOME_ACTIVATION_OF_ATR_IN_RESPONSE_TO_REPLICATION_STRESS, REACTOME_ACTIVATION_OF_ATR_IN_RESPONSE_TO_REPLICATION_STRESS
                                                                                 ZHAN_MULTIPLE_MYELOMA_PR_UP, ZHAN_MULTIPLE_MYELOMA_PR_UP
                                                                                 SCIBETTA_KDM5B_TARGETS_DN, SCIBETTA_KDM5B_TARGETS_DN
                                                                                 VERNELL RETINOBLASTOMA PATHWAY UP, VERNELL RETINOBLASTOMA PATHWAY UP
                                                                                 WONG_PROTEASOME_GENE_MODULE, WONG_PROTEASOME_GENE_MODULE
                                                                                 REACTOME_NUCLEAR_ENVELOPE_NE_REASSEMBLY, REACTOME_NUCLEAR_ENVELOPE_NE_REASSEMBLY
                                                                                 RUIZ_TNC_TARGETS_DN, RUIZ_TNC_TARGETS_DN
                                                                               ✓ PYEON_HPV_POSITIVE_TUMORS_UP, PYEON_HPV_POSITIVE_TUMORS_UP
_CANCER_GRADE_1_VS_3_UP, SOTIRIOU_BREAST_CANCER_GRADE_1_VS_3_UP
                                                                                 SASAKI_ADULT_T_CELL_LEUKEMIA, SASAKI_ADULT_T_CELL_LEUKEMIA
                                                                                 HESS_TARGETS_OF_HOXA9_AND_MEIS1_UP, HESS_TARGETS_OF_HOXA9_AND_MEIS1_UP
                                                                                 LE_EGR2_TARGETS_UP, LE_EGR2_TARGETS_UP
                                                                                 KEGG_UBIQUITIN_MEDIATED_PROTEOLYSIS, KEGG_UBIQUITIN_MEDIATED_PROTEOLYSIS
                                                                                 WELCSH_BRCA1_TARGETS_UP, WELCSH_BRCA1_TARGETS_UP
                                                                                 GAVIN_FOXP3_TARGETS_CLUSTER_P6, GAVIN_FOXP3_TARGETS_CLUSTER_P6
                                                                                 WIELAND_UP_BY_HBV_INFECTION, WIELAND_UP_BY_HBV_INFECTION
                                                                                 BASSO_B_LYMPHOCYTE_NETWORK, BASSO_B_LYMPHOCYTE_NETWORK
                                                                                 FERRANDO_T_ALL_WITH_MLL_ENL_FUSION_DN, FERRANDO_T_ALL_WITH_MLL_ENL_FUSION_DN
                                                                                 WILCOX_RESPONSE_TO_PROGESTERONE_UP, WILCOX_RESPONSE_TO_PROGESTERONE_UP
                                                                                 REACTOME_RECRUITMENT_OF_NUMA_TO_MITOTIC_CENTROSOMES, REACTOME_RECRUITMENT_OF_NUMA_TO_MITOTIC_CENTROSOMES
                                                                                 CHIARADONNA_NEOPLASTIC_TRANSFORMATION_KRAS_UP, CHIARADONNA_NEOPLASTIC_TRANSFORMATION_KRAS_UP
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CHANDRAN_METASTASIS_TOP50_UP, CHANDRAN_METASTASIS_TOP50_UP
ALCALAY_AML_BY_NPM1_LOCALIZATION_DN, ALCALAY_AML_BY_NPM1_LOCALIZATION_DN
PID_MYC_ACTIV_PATHWAY, PID_MYC_ACTIV_PATHWAY
WAKASUGI_HAVE_ZNF143_BINDING_SITES, WAKASUGI_HAVE_ZNF143_BINDING_SITES
VANTVEER_BREAST_CANCER_METASTASIS_DN, VANTVEER_BREAST_CANCER_METASTASIS_DN
FRASOR_RESPONSE_TO_SERM_OR_FULVESTRANT_DN, FRASOR_RESPONSE_TO_SERM_OR_FULVESTRANT_DN
ANDERSEN_CHOLANGIOCARCINOMA_CLASS2, ANDERSEN_CHOLANGIOCARCINOMA_CLASS2
NAKAMURA_CANCER_MICROENVIRONMENT_DN, NAKAMURA_CANCER_MICROENVIRONMENT_DN
REACTOME_REGULATION_OF_TP53_ACTIVITY_THROUGH_PHOSPHORYLATION, REACTOME_REGULATION_OF_TP53_ACTIVITY_THROUGH_PHOSPHORYLATION
YU_MYC_TARGETS_UP, YU_MYC_TARGETS_UP
REACTOME_THE_ROLE_OF_GTSE1_IN_G2_M_PROGRESSION_AFTER_G2_CHECKPOINT, REACTOME_THE_ROLE_OF_GTSE1_IN_G2_M_PROGRESSION_AFTER_G2_CHECKPOINT
SESTO_RESPONSE_TO_UV_C0, SESTO_RESPONSE_TO_UV_C0
PID_PLK1_PATHWAY, PID_PLK1_PATHWAY
TANG_SENESCENCE_TP53_TARGETS_DN, TANG_SENESCENCE_TP53_TARGETS_DN
PID_ATM_PATHWAY, PID_ATM_PATHWAY
REACTOME_REPRODUCTION, REACTOME_REPRODUCTION
WHITFIELD_CELL_CYCLE_LITERATURE, WHITFIELD_CELL_CYCLE_LITERATURE
REACTOME_HDR_THROUGH_SINGLE_STRAND_ANNEALING_SSA, REACTOME_HDR_THROUGH_SINGLE_STRAND_ANNEALING_SSA
BHATTACHARYA_EMBRYONIC_STEM_CELL, BHATTACHARYA_EMBRYONIC_STEM_CELL
REACTOME_GOLGI_TO_ER_RETROGRADE_TRANSPORT, REACTOME_GOLGI_TO_ER_RETROGRADE_TRANSPORT
PID_AURORA_B_PATHWAY, PID_AURORA_B_PATHWAY
REACTOME_HEDGEHOG_OFF_STATE, REACTOME_HEDGEHOG_OFF_STATE
REACTOME_HOMOLOGOUS_DNA_PAIRING_AND_STRAND_EXCHANGE, REACTOME_HOMOLOGOUS_DNA_PAIRING_AND_STRAND_EXCHANGE
RIZ_ERYTHROID_DIFFERENTIATION_CCNE1, RIZ_ERYTHROID_DIFFERENTIATION_CCNE1
SHETH_LIVER_CANCER_VS_TXNIP_LOSS_PAM2, SHETH_LIVER_CANCER_VS_TXNIP_LOSS_PAM2
HU_ANGIOGENESIS_DN, HU_ANGIOGENESIS_DN
EGUCHI CELL CYCLE RB1 TARGETS, EGUCHI CELL CYCLE RB1 TARGETS
FINETTI_BREAST_CANCER_KINOME_RED, FINETTI_BREAST_CANCER_KINOME_RED
REACTOME_DNA_STRAND_ELONGATION, REACTOME_DNA_STRAND_ELONGATION
PEART_HDAC_PROLIFERATION_CLUSTER_DN, PEART_HDAC_PROLIFERATION_CLUSTER_DN
WANG_METASTASIS_OF_BREAST_CANCER_ESR1_UP, WANG_METASTASIS_OF_BREAST_CANCER_ESR1_UP
DANG_REGULATED_BY_MYC_UP, DANG_REGULATED_BY_MYC_UP
BURTON ADIPOGENESIS PEAK AT 16HR, BURTON ADIPOGENESIS PEAK AT 16HR
NAKAYAMA_SOFT_TISSUE_TUMORS_PCA2_UP, NAKAYAMA_SOFT_TISSUE_TUMORS_PCA2_UP
REACTOME_EXTENSION_OF_TELOMERES, REACTOME_EXTENSION_OF_TELOMERES
TOOKER_GEMCITABINE_RESISTANCE_DN, TOOKER_GEMCITABINE_RESISTANCE_DN
BURTON_ADIPOGENESIS_PEAK_AT_24HR, BURTON_ADIPOGENESIS_PEAK_AT_24HR
KEGG_DNA_REPLICATION, KEGG_DNA_REPLICATION
KEGG_OOCYTE_MEIOSIS, KEGG_OOCYTE_MEIOSIS
DELPUECH_FOXO3_TARGETS_DN, DELPUECH_FOXO3_TARGETS_DN
PID_CIRCADIAN_PATHWAY, PID_CIRCADIAN_PATHWAY
REACTOME_ACTIVATION_OF_THE_PRE_REPLICATIVE_COMPLEX, REACTOME_ACTIVATION_OF_THE_PRE_REPLICATIVE_COMPLEX
WEIGEL_OXIDATIVE_STRESS_BY_HNE_AND_H2O2, WEIGEL_OXIDATIVE_STRESS_BY_HNE_AND_H2O2
GREENBAUM E2A TARGETS UP, GREENBAUM E2A TARGETS UP
RAMASWAMY_METASTASIS_UP, RAMASWAMY_METASTASIS_UP
WANG_CISPLATIN_RESPONSE_AND_XPC_UP, WANG_CISPLATIN_RESPONSE_AND_XPC_UP
PID_E2F_PATHWAY, PID_E2F_PATHWAY
BHATI_G2M_ARREST_BY_2METHOXYESTRADIOL_UP, BHATI_G2M_ARREST_BY_2METHOXYESTRADIOL_UP
PEART_HDAC_PROLIFERATION_CLUSTER_UP, PEART_HDAC_PROLIFERATION_CLUSTER_UP
REACTOME_G0_AND_EARLY_G1, REACTOME_G0_AND_EARLY_G1
MODY_HIPPOCAMPUS_PRENATAL, MODY_HIPPOCAMPUS_PRENATAL
LEE_LIVER_CANCER_MYC_UP, LEE_LIVER_CANCER_MYC_UP
REACTOME_GAP_JUNCTION_ASSEMBLY, REACTOME_GAP_JUNCTION_ASSEMBLY
SHAFFER_IRF4_TARGETS_IN_ACTIVATED_DENDRITIC_CELL, SHAFFER_IRF4_TARGETS_IN_ACTIVATED_DENDRITIC_CELI
MMS_MOUSE_LYMPH_HIGH_4HRS_UP, MMS_MOUSE_LYMPH_HIGH_4HRS_UP
REICHERT MITOSIS LIN9 TARGETS, REICHERT MITOSIS LIN9 TARGETS
ZAMORA_NOS2_TARGETS_UP, ZAMORA_NOS2_TARGETS_UP
REACTOME_TRANSCRIPTION_OF_E2F_TARGETS_UNDER_NEGATIVE_CONTROL_BY_DREAM_COMPLEX, REACTOME_TRANSCRIPTION_OF_E2F_TARGETS_UNDER_NEGATIVE_CONTROL_BY_DREAM_COMPLEX
REACTOME_TELOMERE_C_STRAND_LAGGING_STRAND_SYNTHESIS, REACTOME_TELOMERE_C_STRAND_LAGGING_STRAND_SYNTHESIS
MORI_MATURE_B_LYMPHOCYTE_DN, MORI_MATURE_B_LYMPHOCYTE_DN
RIGGI_EWING_SARCOMA_PROGENITOR_DN, RIGGI_EWING_SARCOMA_PROGENITOR_DN
NUNODA_RESPONSE_TO_DASATINIB_IMATINIB_UP, NUNODA_RESPONSE_TO_DASATINIB_IMATINIB_UP
PID_FOXO_PATHWAY, PID_FOXO_PATHWAY
HU GENOTOXIC DAMAGE 4HR, HU GENOTOXIC DAMAGE 4HR
TENEDINI_MEGAKARYOCYTE_MARKERS, TENEDINI_MEGAKARYOCYTE_MARKERS
BIOCARTA_RB_PATHWAY, BIOCARTA_RB_PATHWAY
REACTOME_G1_S_SPECIFIC_TRANSCRIPTION, REACTOME_G1_S_SPECIFIC_TRANSCRIPTION
REACTOME METABOLISM OF NUCLEOTIDES, REACTOME METABOLISM OF NUCLEOTIDES
REACTOME_RESOLUTION_OF_D_LOOP_STRUCTURES, REACTOME_RESOLUTION_OF_D_LOOP_STRUCTURES
FURUKAWA_DUSP6_TARGETS_PCI35_DN, FURUKAWA_DUSP6_TARGETS_PCI35_DN
REACTOME PCNA DEPENDENT LONG PATCH BASE EXCISION REPAIR, REACTOME PCNA DEPENDENT LONG PATCH BASE EXCISION REPAIR
REACTOME_APC_CDC20_MEDIATED_DEGRADATION_OF_NEK2A, REACTOME_APC_CDC20_MEDIATED_DEGRADATION_OF_NEK2A
CHICAS_RB1_TARGETS_LOW_SERUM, CHICAS_RB1_TARGETS_LOW_SERUM
REACTOME_POLO_LIKE_KINASE_MEDIATED_EVENTS, REACTOME_POLO_LIKE_KINASE_MEDIATED_EVENTS
REACTOME_MITOTIC_TELOPHASE_CYTOKINESIS, REACTOME_MITOTIC_TELOPHASE_CYTOKINESIS
MATZUK_MEIOTIC_AND_DNA_REPAIR, MATZUK_MEIOTIC_AND_DNA_REPAIR
REACTOME_APC_C_CDC20_MEDIATED_DEGRADATION_OF_CYCLIN_B, REACTOME_APC_C_CDC20_MEDIATED_DEGRADATION_OF_CYCLIN_B
STEIN_ESRRA_TARGETS_RESPONSIVE_TO_ESTROGEN_DN, STEIN_ESRRA_TARGETS_RESPONSIVE_TO_ESTROGEN_DN
REACTOME_PHOSPHORYLATION_OF_THE_APC_C, REACTOME_PHOSPHORYLATION_OF_THE_APC_C
FERNANDEZ_BOUND_BY_MYC, FERNANDEZ_BOUND_BY_MYC
LI AMPLIFIED IN LUNG CANCER, LI AMPLIFIED IN LUNG CANCER
BIOCARTA_NPC_PATHWAY, BIOCARTA_NPC_PATHWAY
DITTMER_PTHLH_TARGETS_UP, DITTMER_PTHLH_TARGETS_UP
GENTILE_UV_RESPONSE_CLUSTER_D4, GENTILE_UV_RESPONSE_CLUSTER_D4
YAMAZAKI_TCEB3_TARGETS_DN, YAMAZAKI_TCEB3_TARGETS_DN
SLEBOS_HEAD_AND_NECK_CANCER_WITH_HPV_UP, SLEBOS_HEAD_AND_NECK_CANCER_WITH_HPV_UP
REACTOME_RESOLUTION_OF_D_LOOP_STRUCTURES_THROUGH_SYNTHESIS_DEPENDENT_STRAND_ANNEALING_SDSA, REACTOME_RESOLUTION_OF_D_LOOP_STRUCTURES_THROUGH_SYNTHESIS_DEPENDENT_STRAND_ANNEALING_SDSA
REACTOME_TRANSCRIPTION_OF_E2F_TARGETS_UNDER_NEGATIVE_CONTROL_BY_P107_RBL1_AND_P130_RBL2_IN_COMPLEX_WITH_HDAC1, REACTOME_TRANSCRIPTION_OF_E2F_TARGETS_UNDER_NEGATIVE_CONTROL_BY_P107_RBL1_AND_P130_RBL2_IN_COMPLIANCE.
REACTOME TP53 REGULATES TRANSCRIPTION OF CELL CYCLE GENES, REACTOME TP53 REGULATES TRANSCRIPTION OF CELL CYCLE GENES
REACTOME_REGULATION_OF_TP53_EXPRESSION_AND_DEGRADATION, REACTOME_REGULATION_OF_TP53_EXPRESSION_AND_DEGRADATION
BIOCARTA SM PATHWAY, BIOCARTA SM PATHWAY
REACTOME_TRANSCRIPTIONAL_REGULATION_BY_E2F6, REACTOME_TRANSCRIPTIONAL_REGULATION_BY_E2F6
KEGG_HOMOLOGOUS_RECOMBINATION, KEGG_HOMOLOGOUS_RECOMBINATION
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CHAUHAN_RESPONSE_TO_METHOXYESTRADIOL_UP, CHAUHAN_RESPONSE_TO_METHOXYESTRADIOL_UP

KEGG_PROGESTERONE_MEDIATED_OOCYTE_MATURATION, KEGG_PROGESTERONE_MEDIATED_OOCYTE_MATURATION

MATZUK_SPERMATOCYTE, MATZUK_SPERMATOCYTE

KEGG_MISMATCH_REPAIR, KEGG_MISMATCH_REPAIR

BIOCARTA_G1_PATHWAY, BIOCARTA_G1_PATHWAY

YUAN_ZNF143_PARTNERS, YUAN_ZNF143_PARTNERS

PID_ATR_PATHWAY, PID_ATR_PATHWAY

BIOCARTA_RACCYCD_PATHWAY, BIOCARTA_RACCYCD_PATHWAY

REACTOME SIGNALING BY HEDGEHOG, REACTOME SIGNALING BY HEDGEHOG

GAZIN_EPIGENETIC_SILENCING_BY_KRAS, GAZIN_EPIGENETIC_SILENCING_BY_KRAS

PUIFFE_INVASION_INHIBITED_BY_ASCITES_UP, PUIFFE_INVASION_INHIBITED_BY_ASCITES_UP

JOHANSSON_GLIOMAGENESIS_BY_PDGFB_UP, JOHANSSON_GLIOMAGENESIS_BY_PDGFB_UP

REACTOME_INITIATION_OF_NUCLEAR_ENVELOPE_NE_REFORMATION, REACTOME_INITIATION_OF_NUCLEAR_ENVELOPE_NE_REFORMATION

GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_TURQUOISE_DN, GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_TURQUOISE_DN