```
ROSTY_CERVICAL_CANCER_PROLIFERATION_CLUSTER, ROSTY_CERVICAL_CANCER_PROLIFERATION_CLUSTER
SOTIRIOU BREAST CANCER GRADE 1 VS 3 UP, SOTIRIOU BREAST CANCER GRADE 1 VS 3 UP
FUJII_YBX1_TARGETS_DN, FUJII_YBX1_TARGETS_DN
BENPORATH_PROLIFERATION, BENPORATH_PROLIFERATION
REACTOME_DNA_DOUBLE_STRAND_BREAK_REPAIR, REACTOME_DNA_DOUBLE_STRAND_BREAK_REPAIR
REACTOME_MITOTIC_G1_PHASE_AND_G1_S_TRANSITION, REACTOME_MITOTIC_G1_PHASE_AND_G1_S_TRANSITION
REACTOME_SEPARATION_OF_SISTER_CHROMATIDS, REACTOME_SEPARATION_OF_SISTER_CHROMATIDS
REACTOME_MITOTIC_G2_G2_M_PHASES, REACTOME_MITOTIC_G2_G2_M_PHASES
REACTOME_G2_M_CHECKPOINTS, REACTOME_G2_M_CHECKPOINTS
REACTOME_DNA_REPLICATION, REACTOME_DNA_REPLICATION
WINNEPENNINCKX MELANOMA METASTASIS UP, WINNEPENNINCKX MELANOMA METASTASIS UP
YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_17, YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_17
REACTOME_HOMOLOGY_DIRECTED_REPAIR, REACTOME_HOMOLOGY_DIRECTED_REPAIR
PUJANA_BREAST_CANCER_LIT_INT_NETWORK, PUJANA_BREAST_CANCER_LIT_INT_NETWORK
REACTOME_MITOTIC_SPINDLE_CHECKPOINT, REACTOME_MITOTIC_SPINDLE_CHECKPOINT
WELCSH_BRCA1_TARGETS_DN, WELCSH_BRCA1_TARGETS_DN
REN_BOUND_BY_E2F, REN_BOUND_BY_E2F
CROONQUIST_IL6_DEPRIVATION_DN, CROONQUIST_IL6_DEPRIVATION_DN
REACTOME_DNA_REPLICATION_PRE_INITIATION, REACTOME_DNA_REPLICATION_PRE_INITIATION
WHITEFORD_PEDIATRIC_CANCER_MARKERS, WHITEFORD_PEDIATRIC_CANCER_MARKERS
REACTOME_PROGRAMMED_CELL_DEATH, REACTOME_PROGRAMMED_CELL_DEATH
KAUFFMANN_MELANOMA_RELAPSE_UP, KAUFFMANN_MELANOMA_RELAPSE_UP
REACTOME REGULATION OF TP53 ACTIVITY, REACTOME REGULATION OF TP53 ACTIVITY
REACTOME_SWITCHING_OF_ORIGINS_TO_A_POST_REPLICATIVE_STATE, REACTOME_SWITCHING_OF_ORIGINS_TO_A_POST_REPLICATIVE_STATE
RUIZ TNC TARGETS DN, RUIZ TNC TARGETS DN
GARCIA_TARGETS_OF_FLI1_AND_DAX1_DN, GARCIA_TARGETS_OF_FLI1_AND_DAX1_DN
REACTOME_RESOLUTION_OF_SISTER_CHROMATID_COHESION, REACTOME_RESOLUTION_OF_SISTER_CHROMATID_COHESION
FISCHER_G1_S_CELL_CYCLE, FISCHER_G1_S_CELL_CYCLE
REACTOME_CYCLIN_A_CDK2_ASSOCIATED_EVENTS_AT_S_PHASE_ENTRY, REACTOME_CYCLIN_A_CDK2_ASSOCIATED_EVENTS_AT_S_PHASE_ENTRY
REACTOME_REGULATION_OF_PLK1_ACTIVITY_AT_G2_M_TRANSITION, REACTOME_REGULATION_OF_PLK1_ACTIVITY_AT_G2_M_TRANSITION
ZHOU_CELL_CYCLE_GENES_IN_IR_RESPONSE_6HR, ZHOU_CELL_CYCLE_GENES_IN_IR_RESPONSE_6HR
KAUFFMANN_DNA_REPLICATION_GENES, KAUFFMANN_DNA_REPLICATION_GENES
CROONQUIST_NRAS_SIGNALING_DN, CROONQUIST_NRAS_SIGNALING_DN
REACTOME_PTEN_REGULATION, REACTOME_PTEN_REGULATION
REACTOME_ACTIVATION_OF_ATR_IN_RESPONSE_TO_REPLICATION_STRESS, REACTOME_ACTIVATION_OF_ATR_IN_RESPONSE_TO_REPLICATION_STRESS
ZHAN_MULTIPLE_MYELOMA_SUBGROUPS, ZHAN_MULTIPLE_MYELOMA_SUBGROUPS
KAMMINGA_EZH2_TARGETS, KAMMINGA_EZH2_TARGETS
REACTOME_ASSEMBLY_OF_THE_PRE_REPLICATIVE_COMPLEX, REACTOME_ASSEMBLY_OF_THE_PRE_REPLICATIVE_COMPLEX
KONG_E2F3_TARGETS, KONG_E2F3_TARGETS
REACTOME_HDR_THROUGH_HOMOLOGOUS_RECOMBINATION_HRR, REACTOME_HDR_THROUGH_HOMOLOGOUS_RECOMBINATION_HRR
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_ORC1_REMOVAL_FROM_CHROMATIN, REACTOME_ORC1_REMOVAL_FROM_CHROMATIN
VILLANUEVA LIVER CANCER KRT19 UP, VILLANUEVA LIVER CANCER KRT19 UP
WHITFIELD_CELL_CYCLE_G1_S, WHITFIELD_CELL_CYCLE_G1_S
REACTOME_UCH_PROTEINASES, REACTOME_UCH_PROTEINASES
SARRIO EPITHELIAL MESENCHYMAL TRANSITION UP, SARRIO EPITHELIAL MESENCHYMAL TRANSITION UP
REACTOME APC C MEDIATED DEGRADATION OF CELL CYCLE PROTEINS, REACTOME APC C MEDIATED DEGRADATION OF CELL CYCLE PROTEINS
GRAHAM_CML_DIVIDING_VS_NORMAL_QUIESCENT_UP, GRAHAM_CML_DIVIDING_VS_NORMAL_QUIESCENT_UP
REACTOME_DEGRADATION_OF_BETA_CATENIN_BY_THE_DESTRUCTION_COMPLEX, REACTOME_DEGRADATION_OF_BETA_CATENIN_BY_THE_DESTRUCTION_COMPLEX
ZHOU_CELL_CYCLE_GENES_IN_IR_RESPONSE_24HR, ZHOU_CELL_CYCLE_GENES_IN_IR_RESPONSE_24HR
REACTOME_CLEC7A_DECTIN_1_SIGNALING, REACTOME_CLEC7A_DECTIN_1_SIGNALING
WHITFIELD_CELL_CYCLE_S, WHITFIELD_CELL_CYCLE_S
REACTOME_PROCESSING_OF_DNA_DOUBLE_STRAND_BREAK_ENDS, REACTOME_PROCESSING_OF_DNA_DOUBLE_STRAND_BREAK_ENDS
LY_AGING_OLD_DN, LY_AGING_OLD_DN
KEGG_CELL_CYCLE, KEGG_CELL_CYCLE
REACTOME_FC_EPSILON_RECEPTOR_FCERI_SIGNALING, REACTOME_FC_EPSILON_RECEPTOR_FCERI_SIGNALING
ODONNELL_TARGETS_OF_MYC_AND_TFRC_DN, ODONNELL_TARGETS_OF_MYC_AND_TFRC_DN
VANTVEER_BREAST_CANCER_METASTASIS_DN, VANTVEER_BREAST_CANCER_METASTASIS_DN
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
PID_PLK1_PATHWAY, PID_PLK1_PATHWAY
PUJANA_BREAST_CANCER_WITH_BRCA1_MUTATED_UP, PUJANA_BREAST_CANCER_WITH_BRCA1_MUTATED_UP
REACTOME_ACTIVATION_OF_THE_PRE_REPLICATIVE_COMPLEX, REACTOME_ACTIVATION_OF_THE_PRE_REPLICATIVE_COMPLEX
SONG_TARGETS_OF_IE86_CMV_PROTEIN, SONG_TARGETS_OF_IE86_CMV_PROTEIN
REACTOME_G2_M_DNA_DAMAGE_CHECKPOINT, REACTOME_G2_M_DNA_DAMAGE_CHECKPOINT
VERNELL_RETINOBLASTOMA_PATHWAY_UP, VERNELL_RETINOBLASTOMA_PATHWAY_UP
WAKASUGI_HAVE_ZNF143_BINDING_SITES, WAKASUGI_HAVE_ZNF143_BINDING_SITES
REACTOME_RUNX1_REGULATES_TRANSCRIPTION_OF_GENES_INVOLVED_IN_DIFFERENTIATION_OF_HSCS, REACTOME_RUNX1_REGULATES_TRANSCRIPTION_OF_GENES_INVOLVED_IN_DIFFERENTIATION_OF_HSCS
FRASOR_RESPONSE_TO_SERM_OR_FULVESTRANT_DN, FRASOR_RESPONSE_TO_SERM_OR_FULVESTRANT_DN
PYEON_CANCER_HEAD_AND_NECK_VS_CERVICAL_UP, PYEON_CANCER_HEAD_AND_NECK_VS_CERVICAL_UP
REACTOME_CELLULAR_SENESCENCE, REACTOME_CELLULAR_SENESCENCE
GRAHAM_NORMAL_QUIESCENT_VS_NORMAL_DIVIDING_DN, GRAHAM_NORMAL_QUIESCENT_VS_NORMAL_DIVIDING_DN
REACTOME_MYD88_INDEPENDENT_TLR4_CASCADE, REACTOME_MYD88_INDEPENDENT_TLR4_CASCADE
REACTOME_NUCLEOTIDE_BINDING_DOMAIN_LEUCINE_RICH_REPEAT_CONTAINING_RECEPTOR_NLR_SIGNALING_PATHWAYS, REACTOME_NUCLEOTIDE_BINDING_DOMAIN_LEUCINE_RICH_REPEAT_CONTAINING_RECEPTOR_NLR_SIGNALING_PATHWAYS
FLORIO_NEOCORTEX_BASAL_RADIAL_GLIA_DN, FLORIO_NEOCORTEX_BASAL_RADIAL_GLIA_DN
PID_ATM_PATHWAY, PID_ATM_PATHWAY
RIZ_ERYTHROID_DIFFERENTIATION, RIZ_ERYTHROID_DIFFERENTIATION
REACTOME_TOLL_LIKE_RECEPTOR_10_TLR10_CASCADE, REACTOME_TOLL_LIKE_RECEPTOR_10_TLR10_CASCADE
REACTOME_DOWNREGULATION_OF_SMAD2_3_SMAD4_TRANSCRIPTIONAL_ACTIVITY, REACTOME_DOWNREGULATION_OF_SMAD2_3_SMAD4_TRANSCRIPTIONAL_ACTIVITY
REACTOME DNA DAMAGE BYPASS, REACTOME DNA DAMAGE BYPASS
LEE_EARLY_T_LYMPHOCYTE_UP, LEE_EARLY_T_LYMPHOCYTE_UP
PID_MYC_ACTIV_PATHWAY, PID_MYC_ACTIV_PATHWAY
REACTOME_REGULATION_OF_RAS_BY_GAPS, REACTOME_REGULATION_OF_RAS_BY_GAPS
REACTOME_SCF_SKP2_MEDIATED_DEGRADATION_OF_P27_P21, REACTOME_SCF_SKP2_MEDIATED_DEGRADATION_OF_P27_P21
REACTOME_OXIDATIVE_STRESS_INDUCED_SENESCENCE, REACTOME_OXIDATIVE_STRESS_INDUCED_SENESCENCE
CHIANG_LIVER_CANCER_SUBCLASS_PROLIFERATION_UP, CHIANG_LIVER_CANCER_SUBCLASS_PROLIFERATION_UP
ODONNELL_TFRC_TARGETS_DN, ODONNELL_TFRC_TARGETS_DN
REACTOME_NEGATIVE_REGULATION_OF_NOTCH4_SIGNALING, REACTOME_NEGATIVE_REGULATION_OF_NOTCH4_SIGNALING
REACTOME TRANSCRIPTIONAL REGULATION BY E2F6, REACTOME TRANSCRIPTIONAL REGULATION BY E2F6
PID_ATR_PATHWAY, PID_ATR_PATHWAY
EGUCHI_CELL_CYCLE_RB1_TARGETS, EGUCHI_CELL_CYCLE_RB1_TARGETS
REACTOME_TOLL_LIKE_RECEPTOR_9_TLR9_CASCADE, REACTOME_TOLL_LIKE_RECEPTOR_9_TLR9_CASCADE
WU_APOPTOSIS_BY_CDKN1A_VIA_TP53, WU_APOPTOSIS_BY_CDKN1A_VIA_TP53
BURTON_ADIPOGENESIS_3, BURTON_ADIPOGENESIS_3
REACTOME DOWNSTREAM SIGNALING EVENTS OF B CELL RECEPTOR BCR, REACTOME DOWNSTREAM SIGNALING EVENTS OF B CELL RECEPTOR BCR
RIZ_ERYTHROID_DIFFERENTIATION_CCNE1, RIZ_ERYTHROID_DIFFERENTIATION_CCNE1
REACTOME_FCERI_MEDIATED_NF_KB_ACTIVATION, REACTOME_FCERI_MEDIATED_NF_KB_ACTIVATION
REACTOME_CHROMOSOME_MAINTENANCE, REACTOME_CHROMOSOME_MAINTENANCE
REACTOME_REGULATION_OF_RUNX3_EXPRESSION_AND_ACTIVITY, REACTOME_REGULATION_OF_RUNX3_EXPRESSION_AND_ACTIVITY
MORI_IMMATURE_B_LYMPHOCYTE_DN, MORI_IMMATURE_B_LYMPHOCYTE_DN
DAZARD_UV_RESPONSE_CLUSTER_G6, DAZARD_UV_RESPONSE_CLUSTER_G6
REACTOME_TRANSCRIPTIONAL_ACTIVITY_OF_SMAD2_SMAD3_SMAD4_HETEROTRIMER, REACTOME_TRANSCRIPTIONAL_ACTIVITY_OF_SMAD3_SMAD4_HETEROTRIMER
HOFFMANN_LARGE_TO_SMALL_PRE_BII_LYMPHOCYTE_UP, HOFFMANN_LARGE_TO_SMALL_PRE_BII_LYMPHOCYTE_UP
GEORGES_CELL_CYCLE_MIR192_TARGETS, GEORGES_CELL_CYCLE_MIR192_TARGETS
REACTOME FANCONI ANEMIA PATHWAY, REACTOME FANCONI ANEMIA PATHWAY
REACTOME_ABC_FAMILY_PROTEINS_MEDIATED_TRANSPORT, REACTOME_ABC_FAMILY_PROTEINS_MEDIATED_TRANSPORT
REACTOME_TRANSCRIPTIONAL_REGULATION_BY_RUNX3, REACTOME_TRANSCRIPTIONAL_REGULATION_BY_RUNX3
REACTOME_TCR_SIGNALING, REACTOME_TCR_SIGNALING
REACTOME_HEDGEHOG_OFF_STATE, REACTOME_HEDGEHOG_OFF_STATE
REACTOME_G1_S_SPECIFIC_TRANSCRIPTION, REACTOME_G1_S_SPECIFIC_TRANSCRIPTION
REACTOME_ANTIGEN_PROCESSING_CROSS_PRESENTATION, REACTOME_ANTIGEN_PROCESSING_CROSS_PRESENTATION
ISHIDA E2F TARGETS, ISHIDA E2F TARGETS
KANG_DOXORUBICIN_RESISTANCE_UP, KANG_DOXORUBICIN_RESISTANCE_UP
REACTOME DEFECTIVE CFTR CAUSES CYSTIC FIBROSIS, REACTOME DEFECTIVE CFTR CAUSES CYSTIC FIBROSIS
REACTOME_PEROXISOMAL_PROTEIN_IMPORT, REACTOME_PEROXISOMAL_PROTEIN_IMPORT
PID_BARD1_PATHWAY, PID_BARD1_PATHWAY
REACTOME_DEGRADATION_OF_AXIN, REACTOME_DEGRADATION_OF_AXIN
REACTOME_TOLL_LIKE_RECEPTOR_4_TLR4_CASCADE, REACTOME_TOLL_LIKE_RECEPTOR_4_TLR4_CASCADE
KEGG_PANCREATIC_CANCER, KEGG_PANCREATIC_CANCER
BIOCARTA_MCM_PATHWAY, BIOCARTA_MCM_PATHWAY
MMS_MOUSE_LYMPH_HIGH_4HRS_UP, MMS_MOUSE_LYMPH_HIGH_4HRS_UP
REACTOME_PROTEIN_UBIQUITINATION, REACTOME_PROTEIN_UBIQUITINATION
REACTOME_MEIOTIC_RECOMBINATION, REACTOME_MEIOTIC_RECOMBINATION
LAU_APOPTOSIS_CDKN2A_UP, LAU_APOPTOSIS_CDKN2A_UP
REACTOME_E3_UBIQUITIN_LIGASES_UBIQUITINATE_TARGET_PROTEINS, REACTOME_E3_UBIQUITIN_LIGASES_UBIQUITINATE_TARGET_PROTEINS
REACTOME_MEIOSIS, REACTOME_MEIOSIS
REACTOME_SIGNALING_BY_TGF_BETA_RECEPTOR_COMPLEX, REACTOME_SIGNALING_BY_TGF_BETA_RECEPTOR_COMPLEX
STEIN_ESRRA_TARGETS_RESPONSIVE_TO_ESTROGEN_DN, STEIN_ESRRA_TARGETS_RESPONSIVE_TO_ESTROGEN_DN
HU_ANGIOGENESIS_DN, HU_ANGIOGENESIS_DN
BOYAULT_LIVER_CANCER_SUBCLASS_G23_UP, BOYAULT_LIVER_CANCER_SUBCLASS_G23_UP
ZAMORA_NOS2_TARGETS_UP, ZAMORA_NOS2_TARGETS_UP
REACTOME_TELOMERE_MAINTENANCE, REACTOME_TELOMERE_MAINTENANCE
KEGG_COLORECTAL_CANCER, KEGG_COLORECTAL_CANCER
REACTOME_AUF1_HNRNP_D0_BINDS_AND_DESTABILIZES_MRNA, REACTOME_AUF1_HNRNP_D0_BINDS_AND_DESTABILIZES_MRNA
ABRAHAM_ALPC_VS_MULTIPLE_MYELOMA_UP, ABRAHAM_ALPC_VS_MULTIPLE_MYELOMA_UP
REACTOME HOMOLOGOUS DNA PAIRING AND STRAND EXCHANGE, REACTOME HOMOLOGOUS DNA PAIRING AND STRAND EXCHANGE
REACTOME_TRANSLESION_SYNTHESIS_BY_Y_FAMILY_DNA_POLYMERASES_BYPASSES_LESIONS_ON_DNA_TEMPLATE, REACTOME_TRANSLESION_SYNTHESIS_BY_Y_FAMILY_DNA_POLYMERASES_BYPASSES_LESIONS_ON_DNA_TEMPLATE
REACTOME_CELLULAR_RESPONSE_TO_HYPOXIA, REACTOME_CELLULAR_RESPONSE_TO_HYPOXIA
BENPORATH_ES_2, BENPORATH_ES_2
REACTOME_N_GLYCAN_TRIMMING_IN_THE_ER_AND_CALNEXIN_CALRETICULIN_CYCLE, REACTOME_N_GLYCAN_TRIMMING_IN_THE_ER_AND_CALNEXIN_CALRETICULIN_CYCLE
REACTOME_DECTIN_1_MEDIATED_NONCANONICAL_NF_KB_SIGNALING, REACTOME_DECTIN_1_MEDIATED_NONCANONICAL_NF_KB_SIGNALING
REACTOME_DNA_STRAND_ELONGATION, REACTOME_DNA_STRAND_ELONGATION
BROWNE_HCMV_INFECTION_18HR_UP, BROWNE_HCMV_INFECTION_18HR_UP
KEGG_DNA_REPLICATION, KEGG_DNA_REPLICATION
REACTOME_G1_S_DNA_DAMAGE_CHECKPOINTS, REACTOME_G1_S_DNA_DAMAGE_CHECKPOINTS
REACTOME_REGULATION_OF_TP53_ACTIVITY_THROUGH_PHOSPHORYLATION, REACTOME_REGULATION_OF_TP53_ACTIVITY_THROUGH_PHOSPHORYLATION
REACTOME_DNA_DAMAGE_TELOMERE_STRESS_INDUCED_SENESCENCE, REACTOME_DNA_DAMAGE_TELOMERE_STRESS_INDUCED_SENESCENCE
PID_P53_REGULATION_PATHWAY, PID_P53_REGULATION_PATHWAY
REACTOME_REGULATION_OF_TP53_EXPRESSION_AND_DEGRADATION, REACTOME_REGULATION_OF_TP53_EXPRESSION_AND_DEGRADATION
REACTOME_REGULATION_OF_PTEN_STABILITY_AND_ACTIVITY, REACTOME_REGULATION_OF_PTEN_STABILITY_AND_ACTIVITY
REACTOME_SIGNALING_BY_HEDGEHOG, REACTOME_SIGNALING_BY_HEDGEHOG
KEGG_CHRONIC_MYELOID_LEUKEMIA, KEGG_CHRONIC_MYELOID_LEUKEMIA
DE_YY1_TARGETS_DN, DE_YY1_TARGETS_DN
REACTOME_INTERLEUKIN_1_SIGNALING, REACTOME_INTERLEUKIN_1_SIGNALING
REACTOME_TICAM1_RIP1_MEDIATED_IKK_COMPLEX_RECRUITMENT, REACTOME_TICAM1_RIP1_MEDIATED_IKK_COMPLEX_RECRUITMENT
REACTOME_STABILIZATION_OF_P53, REACTOME_STABILIZATION_OF_P53
PID_E2F_PATHWAY, PID_E2F_PATHWAY
FURUKAWA_DUSP6_TARGETS_PCI35_DN, FURUKAWA_DUSP6_TARGETS_PCI35_DN
REACTOME FORMATION OF INCISION COMPLEX IN GG NER, REACTOME FORMATION OF INCISION COMPLEX IN GG NER
PID_PI3KCI_AKT_PATHWAY, PID_PI3KCI_AKT_PATHWAY
SIG_BCR_SIGNALING_PATHWAY, SIG_BCR_SIGNALING_PATHWAY
REACTOME_IKK_COMPLEX_RECRUITMENT_MEDIATED_BY_RIP1, REACTOME_IKK_COMPLEX_RECRUITMENT_MEDIATED_BY_RIP1
KOKKINAKIS_METHIONINE_DEPRIVATION_96HR_UP, KOKKINAKIS_METHIONINE_DEPRIVATION_96HR_UP
REACTOME_CONSTITUTIVE_SIGNALING_BY_AKT1_E17K_IN_CANCER, REACTOME_CONSTITUTIVE_SIGNALING_BY_AKT1_E17K_IN_CANCER
GAVIN_FOXP3_TARGETS_CLUSTER_P6, GAVIN_FOXP3_TARGETS_CLUSTER_P6
BROWNE_HCMV_INFECTION_14HR_UP, BROWNE_HCMV_INFECTION_14HR_UP
ZHAN_MULTIPLE_MYELOMA_CD1_AND_CD2_UP, ZHAN_MULTIPLE_MYELOMA_CD1_AND_CD2_UP
REACTOME_INTRINSIC_PATHWAY_FOR_APOPTOSIS, REACTOME_INTRINSIC_PATHWAY_FOR_APOPTOSIS
REACTOME_APC_CDC20_MEDIATED_DEGRADATION_OF_NEK2A, REACTOME_APC_CDC20_MEDIATED_DEGRADATION_OF_NEK2A
REACTOME HDR THROUGH SINGLE STRAND ANNEALING SSA, REACTOME HDR THROUGH SINGLE STRAND ANNEALING SSA
YIH_RESPONSE_TO_ARSENITE_C3, YIH_RESPONSE_TO_ARSENITE_C3
REACTOME_EXTENSION_OF_TELOMERES, REACTOME_EXTENSION_OF_TELOMERES
REACTOME_TOLL_LIKE_RECEPTOR_TLR1_TLR2_CASCADE, REACTOME_TOLL_LIKE_RECEPTOR_TLR1_TLR2_CASCADE
REACTOME_MAPK6_MAPK4_SIGNALING, REACTOME_MAPK6_MAPK4_SIGNALING
REACTOME C TYPE LECTIN RECEPTORS CLRS, REACTOME C TYPE LECTIN RECEPTORS CLRS
PID_FANCONI_PATHWAY, PID_FANCONI_PATHWAY
BIOCARTA_RACCYCD_PATHWAY, BIOCARTA_RACCYCD_PATHWAY
PEART_HDAC_PROLIFERATION_CLUSTER_UP, PEART_HDAC_PROLIFERATION_CLUSTER_UP
REACTOME_DEGRADATION_OF_GLI1_BY_THE_PROTEASOME, REACTOME_DEGRADATION_OF_GLI1_BY_THE_PROTEASOME
WINTER_HYPOXIA_UP, WINTER_HYPOXIA_UP
REACTOME_G0_AND_EARLY_G1, REACTOME_G0_AND_EARLY_G1
REACTOME_BASE_EXCISION_REPAIR, REACTOME_BASE_EXCISION_REPAIR
REACTOME DDX58 IFIH1 MEDIATED INDUCTION OF INTERFERON ALPHA BETA, REACTOME DDX58 IFIH1 MEDIATED INDUCTION OF INTERFERON ALPHA BETA
PID FOXO PATHWAY, PID FOXO PATHWAY
REACTOME_CALNEXIN_CALRETICULIN_CYCLE, REACTOME_CALNEXIN_CALRETICULIN_CYCLE
REACTOME DEGRADATION OF DVL, REACTOME DEGRADATION OF DVL
REACTOME_RECOGNITION_OF_DNA_DAMAGE_BY_PCNA_CONTAINING_REPLICATION_COMPLEX, REACTOME_RECOGNITION_OF_DNA_DAMAGE_BY_PCNA_CONTAINING_REPLICATION_COMPLEX
REACTOME_SIGNALING_BY_THE_B_CELL_RECEPTOR_BCR, REACTOME_SIGNALING_BY_THE_B_CELL_RECEPTOR_BCR
SCHEIDEREIT_IKK_INTERACTING_PROTEINS, SCHEIDEREIT_IKK_INTERACTING_PROTEINS
ABRAHAM_ALPC_VS_MULTIPLE_MYELOMA_DN, ABRAHAM_ALPC_VS_MULTIPLE_MYELOMA_DN
REACTOME_ER_QUALITY_CONTROL_COMPARTMENT_ERQC, REACTOME_ER_QUALITY_CONTROL_COMPARTMENT_ERQC
REACTOME_TNFR1_INDUCED_NFKAPPAB_SIGNALING_PATHWAY, REACTOME_TNFR1_INDUCED_NFKAPPAB_SIGNALING_PATHWAY
MANN_RESPONSE_TO_AMIFOSTINE_UP, MANN_RESPONSE_TO_AMIFOSTINE_UP
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ME_S_PHASE, REACTOME_S_PHASE

PID_HEDGEHOG_GLI_PATHWAY, PID_HEDGEHOG_GLI_PATHWAY KEGG_UBIQUITIN_MEDIATED_PROTEOLYSIS, KEGG_UBIQUITIN_MEDIATED_PROTEOLYSIS

PID_MYC_PATHWAY, PID_MYC_PATHWAY 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_AKT_PHOSPHORYLATES_TARGETS_IN_THE_CYTOSOL, REACTOME_AKT_PHOSPHORYLATES_TARGETS_IN_THE_CYTOSOL DACOSTA_UV_RESPONSE_VIA_ERCC3_COMMON_UP, DACOSTA_UV_RESPONSE_VIA_ERCC3_COMMON_UP REACTOME_TRANSCRIPTIONAL_REGULATION_OF_GRANULOPOIESIS, REACTOME_TRANSCRIPTIONAL_REGULATION_OF_GRANULOPOIESIS REACTOME_SMAD2_SMAD3_SMAD4_HETEROTRIMER_REGULATES_TRANSCRIPTION, REACTOME_SMAD2_SMAD3_SMAD4_HETEROTRIMER_REGULATES_TRANSCRIPTION

KEGG_BASE_EXCISION_REPAIR, KEGG_BASE_EXCISION_REPAIR REACTOME_E2F_MEDIATED_REGULATION_OF_DNA_REPLICATION, REACTOME_E2F_MEDIATED_REGULATION_OF_DNA_REPLICATION REACTOME_APC_C_CDC20_MEDIATED_DEGRADATION_OF_CYCLIN_B, REACTOME_APC_C_CDC20_MEDIATED_DEGRADATION_OF_CYCLIN_B REACTOME_NOD1_2_SIGNALING_PATHWAY, REACTOME_NOD1_2_SIGNALING_PATHWAY REACTOME_TERMINATION_OF_TRANSLESION_DNA_SYNTHESIS, REACTOME_TERMINATION_OF_TRANSLESION_DNA_SYNTHESIS

REACTOME ABC TRANSPORTER DISORDERS, REACTOME ABC TRANSPORTER DISORDERS REACTOME_RIPK1_MEDIATED_REGULATED_NECROSIS, REACTOME_RIPK1_MEDIATED_REGULATED_NECROSIS PID_PRL_SIGNALING_EVENTS_PATHWAY, PID_PRL_SIGNALING_EVENTS_PATHWAY REACTOME CROSS PRESENTATION OF SOLUBLE EXOGENOUS ANTIGENS ENDOSOMES, REACTOME CROSS PRESENTATION OF SOLUBLE EXOGENOUS ANTIGENS ENDOSOMES REACTOME_SYNTHESIS_OF_ACTIVE_UBIQUITIN_ROLES_OF_E1_AND_E2_ENZYMES, REACTOME_SYNTHESIS_OF_ACTIVE_UBIQUITIN_ROLES_OF_E1_AND_E2_ENZYMES REACTOME_MAP3K8_TPL2_DEPENDENT_MAPK1_3_ACTIVATION, REACTOME_MAP3K8_TPL2_DEPENDENT_MAPK1_3_ACTIVATION

BIOCARTA_G1_PATHWAY, BIOCARTA_G1_PATHWAY REACTOME_INTERLEUKIN_17_SIGNALING, REACTOME_INTERLEUKIN_17_SIGNALING REACTOME SENESCENCE ASSOCIATED SECRETORY PHENOTYPE SASP, REACTOME SENESCENCE ASSOCIATED SECRETORY PHENOTYPE SASP

MOREIRA_RESPONSE_TO_TSA_UP, MOREIRA_RESPONSE_TO_TSA_UP REACTOME_METALLOPROTEASE_DUBS, REACTOME_METALLOPROTEASE_DUBS PID_AURORA_A_PATHWAY, PID_AURORA_A_PATHWAY

REACTOME_TRANSCRIPTION_OF_E2F_TARGETS_UNDER_NEGATIVE_CONTROL_BY_DREAM_COMPLEX, REACTOME_TRANSCRIPTION_OF_E2F_TARGETS_UNDER_NEGATIVE_CONTROL_BY_DREAM_COMPLEX CHUNG_BLISTER_CYTOTOXICITY_UP, CHUNG_BLISTER_CYTOTOXICITY_UP LE_EGR2_TARGETS_UP, LE_EGR2_TARGETS_UP

FLECHNER_PBL_KIDNEY_TRANSPLANT_REJECTED_VS_OK_UP, FLECHNER_PBL_KIDNEY_TRANSPLANT_REJECTED_VS_OK_UP BIOCARTA_P27_PATHWAY, BIOCARTA_P27_PATHWAY KOKKINAKIS_METHIONINE_DEPRIVATION_48HR_UP, KOKKINAKIS_METHIONINE_DEPRIVATION_48HR_UP

REACTOME_JNK_C_JUN_KINASES_PHOSPHORYLATION_AND_ACTIVATION_MEDIATED_BY_ACTIVATED_HUMAN_TAK1, REACTOME_JNK_C_JUN_KINASES_PHOSPHORYLATION_AND_ACTIVATION_MEDIATED_BY_ACTIVATED_HUMAN_TAK1 DITTMER_PTHLH_TARGETS_UP, DITTMER_PTHLH_TARGETS_UP

SMIRNOV_RESPONSE_TO_IR_2HR_UP, SMIRNOV_RESPONSE_TO_IR_2HR_UP REACTOME_PHOSPHORYLATION_OF_THE_APC_C, REACTOME_PHOSPHORYLATION_OF_THE_APC_C

REACTOME_TRANSCRIPTIONAL_REGULATION_BY_RUNX2, REACTOME_TRANSCRIPTIONAL_REGULATION_BY_RUNX2 REACTOME_ENDOSOMAL_SORTING_COMPLEX_REQUIRED_FOR_TRANSPORT_ESCRT, REACTOME_ENDOSOMAL_SORTING_COMPLEX_REQUIRED_FOR_TRANSPORT_ESCRT

KEGG_NON_SMALL_CELL_LUNG_CANCER, KEGG_NON_SMALL_CELL_LUNG_CANCER

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_COMPLEX_WITH_

GALE_APL_WITH_FLT3_MUTATED_UP, GALE_APL_WITH_FLT3_MUTATED_UP REACTOME_HEDGEHOG_LIGAND_BIOGENESIS, REACTOME_HEDGEHOG_LIGAND_BIOGENESIS

REACTOME_TRANSLESION_SYNTHESIS_BY_POLK, REACTOME_TRANSLESION_SYNTHESIS_BY_POLK KOKKINAKIS_METHIONINE_DEPRIVATION_96HR_DN, KOKKINAKIS_METHIONINE_DEPRIVATION_96HR_DN

REACTOME_METABOLISM_OF_POLYAMINES, REACTOME_METABOLISM_OF_POLYAMINES CAIRO_PML_TARGETS_BOUND_BY_MYC_UP, CAIRO_PML_TARGETS_BOUND_BY_MYC_UP WHITFIELD_CELL_CYCLE_LITERATURE, WHITFIELD_CELL_CYCLE_LITERATURE

REACTOME_MITOTIC_TELOPHASE_CYTOKINESIS, REACTOME_MITOTIC_TELOPHASE_CYTOKINESIS

KEGG_P53_SIGNALING_PATHWAY, KEGG_P53_SIGNALING_PATHWAY

REACTOME_CYCLIN_A_B1_B2_ASSOCIATED_EVENTS_DURING_G2_M_TRANSITION, REACTOME_CYCLIN_A_B1_B2_ASSOCIATED_EVENTS_DURING_G2_M_TRANSITION

KEGG_OOCYTE_MEIOSIS, KEGG_OOCYTE_MEIOSIS

REACTOME_TELOMERE_C_STRAND_LAGGING_STRAND_SYNTHESIS, REACTOME_TELOMERE_C_STRAND_LAGGING_STRAND_SYNTHESIS REACTOME_TRANSLESION_SYNTHESIS_BY_POLH, REACTOME_TRANSLESION_SYNTHESIS_BY_POLH

NUNODA_RESPONSE_TO_DASATINIB_IMATINIB_UP, NUNODA_RESPONSE_TO_DASATINIB_IMATINIB_UP

REACTOME_TGF_BETA_RECEPTOR_SIGNALING_ACTIVATES_SMADS, REACTOME_TGF_BETA_RECEPTOR_SIGNALING_ACTIVATES_SMADS CAIRO_PML_TARGETS_BOUND_BY_MYC_DN, CAIRO_PML_TARGETS_BOUND_BY_MYC_DN REACTOME_DEACTIVATION_OF_THE_BETA_CATENIN_TRANSACTIVATING_COMPLEX, REACTOME_DEACTIVATION_OF_THE_BETA_CATENIN_TRANSACTIVATING_COMPLEX

REACTOME_NEGATIVE_REGULATORS_OF_DDX58_IFIH1_SIGNALING, REACTOME_NEGATIVE_REGULATORS_OF_DDX58_IFIH1_SIGNALING LY_AGING_PREMATURE_DN, LY_AGING_PREMATURE_DN

REACTOME_DUAL_INCISION_IN_GG_NER, REACTOME_DUAL_INCISION_IN_GG_NER CHIARADONNA_NEOPLASTIC_TRANSFORMATION_KRAS_CDC25_UP, CHIARADONNA_NEOPLASTIC_TRANSFORMATION_KRAS_CDC25_UP REACTOME_SIGNALING_BY_TGF_BETA_FAMILY_MEMBERS, REACTOME_SIGNALING_BY_TGF_BETA_FAMILY_MEMBERS

DER_IFN_ALPHA_RESPONSE_UP, DER_IFN_ALPHA_RESPONSE_UP REACTOME_NEGATIVE_REGULATION_OF_MAPK_PATHWAY, REACTOME_NEGATIVE_REGULATION_OF_MAPK_PATHWAY REACTOME_SPRY_REGULATION_OF_FGF_SIGNALING, REACTOME_SPRY_REGULATION_OF_FGF_SIGNALING

ZHAN_VARIABLE_EARLY_DIFFERENTIATION_GENES_DN, ZHAN_VARIABLE_EARLY_DIFFERENTIATION_GENES_DN BIOCARTA_HCMV_PATHWAY, BIOCARTA_HCMV_PATHWAY

REACTOME_REGULATION_OF_RUNX2_EXPRESSION_AND_ACTIVITY, REACTOME_REGULATION_OF_RUNX2_EXPRESSION_AND_ACTIVITY REACTOME_IRAK1_RECRUITS_IKK_COMPLEX, REACTOME_IRAK1_RECRUITS_IKK_COMPLEX

BIOCARTA_CELLCYCLE_PATHWAY, BIOCARTA_CELLCYCLE_PATHWAY

REACTOME_RESOLUTION_OF_ABASIC_SITES_AP_SITES, REACTOME_RESOLUTION_OF_ABASIC_SITES_AP_SITES REACTOME_NEGATIVE_REGULATION_OF_MET_ACTIVITY, REACTOME_NEGATIVE_REGULATION_OF_MET_ACTIVITY PEART_HDAC_PROLIFERATION_CLUSTER_DN, PEART_HDAC_PROLIFERATION_CLUSTER_DN

REACTOME_REGULATION_OF_PTEN_LOCALIZATION, REACTOME_REGULATION_OF_PTEN_LOCALIZATION DER_IFN_GAMMA_RESPONSE_UP, DER_IFN_GAMMA_RESPONSE_UP

REACTOME_TP53_REGULATES_TRANSCRIPTION_OF_GENES_INVOLVED_IN_G2_CELL_CYCLE_ARREST, REACTOME_TP53_REGULATES_TRANSCRIPTION_OF_GENES_INVOLVED_IN_G2_CELL_CYCLE_ARREST CHIN_BREAST_CANCER_COPY_NUMBER_UP, CHIN_BREAST_CANCER_COPY_NUMBER_UP REACTOME_GAP_FILLING_DNA_REPAIR_SYNTHESIS_AND_LIGATION_IN_GG_NER, REACTOME_GAP_FILLING_DNA_REPAIR_SYNTHESIS_AND_LIGATION_IN_GG_NER

SCIAN_CELL_CYCLE_TARGETS_OF_TP53_AND_TP73_DN, SCIAN_CELL_CYCLE_TARGETS_OF_TP53_AND_TP73_DN BIOCARTA_SKP2E2F_PATHWAY, BIOCARTA_SKP2E2F_PATHWAY JOHANSSON_GLIOMAGENESIS_BY_PDGFB_UP, JOHANSSON_GLIOMAGENESIS_BY_PDGFB_UP

BIOCARTA_ERAD_PATHWAY, BIOCARTA_ERAD_PATHWAY MOLENAAR_TARGETS_OF_CCND1_AND_CDK4_DN, MOLENAAR_TARGETS_OF_CCND1_AND_CDK4_DN REACTOME_SIGNALING_BY_EGFR, REACTOME_SIGNALING_BY_EGFR

KEGG_ACUTE_MYELOID_LEUKEMIA, KEGG_ACUTE_MYELOID_LEUKEMIA REACTOME_GLYCOGEN_METABOLISM, REACTOME_GLYCOGEN_METABOLISM

BURTON_ADIPOGENESIS_PEAK_AT_16HR, BURTON_ADIPOGENESIS_PEAK_AT_16HR

KEGG_PROTEASOME, KEGG_PROTEASOME REACTOME_MEIOTIC_SYNAPSIS, REACTOME_MEIOTIC_SYNAPSIS