

ME\_S\_PHASE, REACTOME\_S\_PHASE

REACTOME\_DNA\_REPLICATION, REACTOME\_DNA\_REPLICATION  
WP\_DNA\_REPAIR\_PATHWAYS\_FULL\_NETWORK, WP\_DNA\_REPAIR\_PATHWAYS\_FULL\_NETWORK  
REACTOME\_REGULATION\_OF\_TP53\_ACTIVITY, REACTOME\_REGULATION\_OF\_TP53\_ACTIVITY  
REACTOME\_MITOTIC\_G1\_PHASE\_AND\_G1\_S\_TRANSITION, REACTOME\_MITOTIC\_G1\_PHASE\_AND\_G1\_S\_TRANSITION  
REACTOME\_MITOTIC\_G2\_G2\_M\_PHASES, REACTOME\_MITOTIC\_G2\_G2\_M\_PHASES  
WP\_DNA\_IRDAMAGE\_AND\_CELLULAR\_RESPONSE\_VIA\_ATR, WP\_DNA\_IRDAMAGE\_AND\_CELLULAR\_RESPONSE\_VIA\_ATR  
WP\_MIRNAS\_INVOLVED\_IN\_DNA\_DAMAGE\_RESPONSE, WP\_MIRNAS\_INVOLVED\_IN\_DNA\_DAMAGE\_RESPONSE  
WP\_RETINOBLASTOMA\_GENE\_IN\_CANCER, WP\_RETINOBLASTOMA\_GENE\_IN\_CANCER  
KEGG\_UBIQUITIN\_MEDIATED\_PROTEOLYSIS, KEGG\_UBIQUITIN\_MEDIATED\_PROTEOLYSIS  
REACTOME\_REGULATION\_OF\_TP53\_ACTIVITY\_THROUGH\_PHOSPHORYLATION, REACTOME\_REGULATION\_OF\_TP53\_ACTIVITY\_THROUGH\_PHOSPHORYLATION  
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\_RUNX1\_REGULATES\_TRANSCRIPTION\_OF\_GENES\_INVOLVED\_IN\_DIFFERENTIATION\_OF\_HSCS, REACTOME\_RUNX1\_REGULATES\_TRANSCRIPTION\_OF\_GENES\_INVOLVED\_IN\_DIFFERENTIATION\_OF\_HSCS  
PID\_FANCONI\_PATHWAY, PID\_FANCONI\_PATHWAY  
REACTOME\_REGULATION\_OF\_PLK1\_ACTIVITY\_AT\_G2\_M\_TRANSITION, REACTOME\_REGULATION\_OF\_PLK1\_ACTIVITY\_AT\_G2\_M\_TRANSITION  
REACTOME\_TRANSCRIPTIONAL\_REGULATION\_OF GRANULOPOIESIS, REACTOME\_TRANSCRIPTIONAL\_REGULATION\_OF GRANULOPOIESIS  
REACTOME\_CYCLIN\_A\_CDK2\_ASSOCIATED\_EVENTS\_AT\_S\_PHASE\_ENTRY, REACTOME\_CYCLIN\_A\_CDK2\_ASSOCIATED\_EVENTS\_AT\_S\_PHASE\_ENTRY  
REACTOME\_DNA\_DOUBLE\_STRAND\_BREAK\_REPAIR, REACTOME\_DNA\_DOUBLE\_STRAND\_BREAK\_REPAIR  
REACTOME\_SWITCHING\_OF\_ORIGINS\_TO\_A\_POST\_REPLICATIVE\_STATE, REACTOME\_SWITCHING\_OF\_ORIGINS\_TO\_A\_POST\_REPLICATIVE\_STATE  
REACTOME\_PTEEN\_REGULATION, REACTOME\_PTEEN\_REGULATION  
REACTOME\_APOPTOSIS, REACTOME\_APOPTOSIS  
WP\_G1\_TO\_S\_CELL\_CYCLE\_CONTROL, WP\_G1\_TO\_S\_CELL\_CYCLE\_CONTROL  
KEGG\_CELL\_CYCLE, KEGG\_CELL\_CYCLE  
REACTOME\_APC\_C\_MEDIATED\_DEGRADATION\_OF\_CELL\_CYCLE\_PROTEINS, REACTOME\_APC\_C\_MEDIATED\_DEGRADATION\_OF\_CELL\_CYCLE\_PROTEINS  
REACTOME\_HOMOLOGY\_DIRECTED\_REPAIR, REACTOME\_HOMOLOGY\_DIRECTED\_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\_HDR\_THROUGH\_HOMOLOGOUS\_RECOMBINATION\_HRR, REACTOME\_HDR\_THROUGH\_HOMOLOGOUS\_RECOMBINATION\_HRR  
REACTOME\_SENESCENCE\_ASSOCIATED\_SECRETORY\_PHENOTYPE\_SASP, REACTOME\_SENESCENCE\_ASSOCIATED\_SECRETORY\_PHENOTYPE\_SASP  
REACTOME\_DNA\_REPLICATION\_PRE\_INITIATION, REACTOME\_DNA\_REPLICATION\_PRE\_INITIATION  
REACTOME\_DNA\_DAMAGE\_RECOGNITION\_IN\_GG\_NER, REACTOME\_DNA\_DAMAGE\_RECOGNITION\_IN\_GG\_NER  
WP\_DNA\_REPLICATION, WP\_DNA\_REPLICATION  
REACTOME\_CELLULAR\_SENESCENCE, REACTOME\_CELLULAR\_SENESCENCE  
REACTOME\_UCH\_PROTEINASES, REACTOME\_UCH\_PROTEINASES  
WP\_CELL\_CYCLE, WP\_CELL\_CYCLE  
REACTOME\_DNA\_DAMAGE\_TELOMERE\_STRESS\_INDUCED\_SENESCENCE, REACTOME\_DNA\_DAMAGE\_TELOMERE\_STRESS\_INDUCED\_SENESCENCE  
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  
WP\_DNA\_DAMAGE\_RESPONSE, WP\_DNA\_DAMAGE\_RESPONSE  
REACTOME\_RESOLUTION\_OF\_ABASIC\_SITES\_AP\_SITES, REACTOME\_RESOLUTION\_OF\_ABASIC\_SITES\_AP\_SITES  
REACTOME\_DOWNSTREAM\_SIGNALING\_EVENTS\_OF\_B\_CELL\_RECEPTOR\_BCR, REACTOME\_DOWNSTREAM\_SIGNALING\_EVENTS\_OF\_B\_CELL\_RECEPTOR\_BCR  
REACTOME\_DNA\_STRAND\_ELONGATION, REACTOME\_DNA\_STRAND\_ELONGATION  
REACTOME\_SCF\_SKP2\_MEDIATED\_DEGRADATION\_OF\_P27\_P21, REACTOME\_SCF\_SKP2\_MEDIATED\_DEGRADATION\_OF\_P27\_P21  
KEGG\_CHRONIC\_MYELOID\_LEUKEMIA, KEGG\_CHRONIC\_MYELOID\_LEUKEMIA  
REACTOME\_NEGATIVE\_REGULATION\_OF\_NOTCH4\_SIGNALING, REACTOME\_NEGATIVE\_REGULATION\_OF\_NOTCH4\_SIGNALING  
REACTOME\_ACTIVATION\_OF\_ATR\_IN\_RESPONSE\_TO\_REPLICATION\_STRESS, REACTOME\_ACTIVATION\_OF\_ATR\_IN\_RESPONSE\_TO\_REPLICATION\_STRESS  
REACTOME\_BASE\_EXCISION\_REPAIR, REACTOME\_BASE\_EXCISION\_REPAIR  
REACTOME\_HOMOLOGOUS\_DNA\_PAIRING\_AND\_STRAND\_EXCHANGE, REACTOME\_HOMOLOGOUS\_DNA\_PAIRING\_AND\_STRAND\_EXCHANGE  
PID\_P53\_REGULATION\_PATHWAY, PID\_P53\_REGULATION\_PATHWAY  
REACTOME\_REGULATION\_OF\_PTEEN\_STABILITY\_AND\_ACTIVITY, REACTOME\_REGULATION\_OF\_PTEEN\_STABILITY\_AND\_ACTIVITY  
REACTOME\_REGULATION\_OF\_TP53\_ACTIVITY\_THROUGH\_ACETYLATION, REACTOME\_REGULATION\_OF\_TP53\_ACTIVITY\_THROUGH\_ACETYLATION  
REACTOME\_EXTENSION\_OF\_TELOMERES, REACTOME\_EXTENSION\_OF\_TELOMERES  
PID\_PLK1\_PATHWAY, PID\_PLK1\_PATHWAY  
WP\_INTEGRATED\_BREAST\_CANCER\_PATHWAY, WP\_INTEGRATED\_BREAST\_CANCER\_PATHWAY  
REACTOME\_MEIOSIS, REACTOME\_MEIOSIS  
REACTOME\_DEGRADATION\_OF\_BETA\_CATENIN\_BY\_THE\_DESTRUCTION\_COMPLEX, REACTOME\_DEGRADATION\_OF\_BETA\_CATENIN\_BY\_THE\_DESTRUCTION\_COMPLEX  
REACTOME\_DISEASES\_OF\_PROGRAMMED\_CELL\_DEATH, REACTOME\_DISEASES\_OF\_PROGRAMMED\_CELL\_DEATH  
REACTOME\_INTRINSIC\_PATHWAY\_FOR\_APOPTOSIS, REACTOME\_INTRINSIC\_PATHWAY\_FOR\_APOPTOSIS  
WP\_CHROMOSOMAL\_AND\_MICROSATELLITE\_INSTABILITY\_IN\_COLORECTAL\_CANCER, WP\_CHROMOSOMAL\_AND\_MICROSATELLITE\_INSTABILITY\_IN\_COLORECTAL\_CANCER  
REACTOME\_ORC1\_REMOVAL\_FROM\_CHROMATIN, REACTOME\_ORC1\_REMOVAL\_FROM\_CHROMATIN  
REACTOME\_SARS\_COV\_2\_INFECTION, REACTOME\_SARS\_COV\_2\_INFECTION  
REACTOME\_REGULATION\_OF\_RUNX3\_EXPRESSION\_AND\_ACTIVITY, REACTOME\_REGULATION\_OF\_RUNX3\_EXPRESSION\_AND\_ACTIVITY  
REACTOME\_ASSEMBLY\_OF\_THE\_PRE\_REPLICATIVE\_COMPLEX, REACTOME\_ASSEMBLY\_OF\_THE\_PRE\_REPLICATIVE\_COMPLEX  
REACTOME\_PROCESSING\_OF\_DNA\_DOUBLE\_STRAND\_BREAK\_ENDS, REACTOME\_PROCESSING\_OF\_DNA\_DOUBLE\_STRAND\_BREAK\_ENDS  
KEGG\_DNA\_REPLICATION, KEGG\_DNA\_REPLICATION  
REACTOME\_G2\_M\_DNA\_DAMAGE\_CHECKPOINT, REACTOME\_G2\_M\_DNA\_DAMAGE\_CHECKPOINT  
WP\_AMPACTIVATED\_PROTEIN\_KINASE\_AMPK\_SIGNALING, WP\_AMPACTIVATED\_PROTEIN\_KINASE\_AMPK\_SIGNALING  
REACTOME\_DECTIN\_1\_MEDIATED\_NONCANONICAL\_NF\_KB\_SIGNALING, REACTOME\_DECTIN\_1\_MEDIATED\_NONCANONICAL\_NF\_KB\_SIGNALING  
REACTOME\_TP53\_REGULATES\_TRANSCRIPTION\_OF\_CELL\_CYCLE\_GENES, REACTOME\_TP53\_REGULATES\_TRANSCRIPTION\_OF\_CELL\_CYCLE\_GENES  
REACTOME\_SIGNALING\_BY\_HEDGEHOG, REACTOME\_SIGNALING\_BY\_HEDGEHOG  
KEGG\_NUCLEOTIDE\_EXCISION\_REPAIR, KEGG\_NUCLEOTIDE\_EXCISION\_REPAIR  
KEGG\_ACUTE\_MYELOID\_LEUKEMIA, KEGG\_ACUTE\_MYELOID\_LEUKEMIA  
WP\_ATM\_SIGNALING\_PATHWAY, WP\_ATM\_SIGNALING\_PATHWAY  
REACTOME\_ACTIVATION\_OF\_THE\_PRE\_REPLICATIVE\_COMPLEX, REACTOME\_ACTIVATION\_OF\_THE\_PRE\_REPLICATIVE\_COMPLEX  
REACTOME\_HEDGEHOG\_OFF\_STATE, REACTOME\_HEDGEHOG\_OFF\_STATE  
WP\_NUCLEOTIDE\_EXCISION\_REPAIR, WP\_NUCLEOTIDE\_EXCISION\_REPAIR  
REACTOME\_C\_TYPE\_LECTIN\_RECEPTORS\_CLRS, REACTOME\_C\_TYPE\_LECTIN\_RECEPTORS\_CLRS  
WP\_TGFBETA\_SIGNALING\_PATHWAY, WP\_TGFBETA\_SIGNALING\_PATHWAY  
SIG\_PIP3\_SIGNALING\_IN\_CARDIAC\_MYOCYTES, SIG\_PIP3\_SIGNALING\_IN\_CARDIAC\_MYOCYTES  
PID\_ATR\_PATHWAY, PID\_ATR\_PATHWAY  
WP\_INTEGRATED\_CANCER\_PATHWAY, WP\_INTEGRATED\_CANCER\_PATHWAY  
PID\_TELOMERASE\_PATHWAY, PID\_TELOMERASE\_PATHWAY  
WP\_MIRNA\_REGULATION\_OF\_PROSTATE\_CANCER\_SIGNALING\_PATHWAYS, WP\_MIRNA\_REGULATION\_OF\_PROSTATE\_CANCER\_SIGNALING\_PATHWAYS  
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\_G1\_S\_DNA\_DAMAGE\_CHECKPOINTS, REACTOME\_G1\_S\_DNA\_DAMAGE\_CHECKPOINTS  
KEGG\_PROSTATE\_CANCER, KEGG\_PROSTATE\_CANCER  
WP\_PANCREATIC\_ADENOCARCINOMA\_PATHWAY, WP\_PANCREATIC\_ADENOCARCINOMA\_PATHWAY  
KEGG\_OOCYTE\_MEIOSIS, KEGG\_OOCYTE\_MEIOSIS  
REACTOME\_REPRODUCTION, REACTOME\_REPRODUCTION  
BIOCARTA\_RACCYCD\_PATHWAY, BIOCARTA\_RACCYCD\_PATHWAY  
REACTOME\_CYCLIN\_A\_B1\_B2\_ASSOCIATED\_EVENTS\_DURING\_G2\_M\_TRANSITION, REACTOME\_CYCLIN\_A\_B1\_B2\_ASSOCIATED\_EVENTS\_DURING\_G2\_M\_TRANSITION  
REACTOME\_HDR\_THROUGH\_SINGLE\_STRAND\_ANNHEALING\_SSA, REACTOME\_HDR\_THROUGH\_SINGLE\_STRAND\_ANNHEALING\_SSA  
REACTOME\_SIGNALING\_BY\_NOTCH4, REACTOME\_SIGNALING\_BY\_NOTCH4  
BIOCARTA\_G2\_PATHWAY, BIOCARTA\_G2\_PATHWAY  
KEGG\_P53\_SIGNALING\_PATHWAY, KEGG\_P53\_SIGNALING\_PATHWAY  
REACTOME\_OXIDATIVE\_STRESS\_INDUCED\_SENESCENCE, REACTOME\_OXIDATIVE\_STRESS\_INDUCED\_SENESCENCE  
WP\_DNA\_MISMATCH\_REPAIR, WP\_DNA\_MISMATCH\_REPAIR  
WP\_SIGNALING\_PATHWAYS\_IN\_GLIOBLASTOMA, WP\_SIGNALING\_PATHWAYS\_IN\_GLIOBLASTOMA  
WP\_P13KAKTMTOR\_SIGNALING\_PATHWAY\_AND\_THERAPEUTIC\_OPPORTUNITIES, WP\_P13KAKTMTOR\_SIGNALING\_PATHWAY\_AND\_THERAPEUTIC\_OPPORTUNITIES  
REACTOME\_INTERLEUKIN\_1\_SIGNALING, REACTOME\_INTERLEUKIN\_1\_SIGNALING  
KEGG\_MISMATCH\_REPAIR, KEGG\_MISMATCH\_REPAIR  
KEGG\_BLADDER\_CANCER, KEGG\_BLADDER\_CANCER  
REACTOME\_METABOLISM\_OF\_POLYAMINES, REACTOME\_METABOLISM\_OF\_POLYAMINES  
WP\_HEPATITIS\_C\_AND\_HEPATOCELLULAR\_CARCINOMA, WP\_HEPATITIS\_C\_AND\_HEPATOCELLULAR\_CARCINOMA  
BIOCARTA\_PROTEASOME\_PATHWAY, BIOCARTA\_PROTEASOME\_PATHWAY  
REACTOME\_CD28\_DEPENDENT\_P13K\_AKT\_SIGNALING, REACTOME\_CD28\_DEPENDENT\_P13K\_AKT\_SIGNALING  
REACTOME\_TELOMERE\_C\_STRAND\_LAGGING\_STRAND\_SYNTHESIS, REACTOME\_TELOMERE\_C\_STRAND\_LAGGING\_STRAND\_SYNTHESIS  
REACTOME\_HEDGEHOG\_LIGAND\_BIOGENESIS, REACTOME\_HEDGEHOG\_LIGAND\_BIOGENESIS  
REACTOME\_DISEASES\_OF\_MITOTIC\_CELL\_CYCLE, REACTOME\_DISEASES\_OF\_MITOTIC\_CELL\_CYCLE  
PID\_AURORA\_A\_PATHWAY, PID\_AURORA\_A\_PATHWAY  
REACTOME\_E2F\_MEDIATED\_REGULATION\_OF\_DNA\_REPLICATION, REACTOME\_E2F\_MEDIATED\_REGULATION\_OF\_DNA\_REPLICATION  
WP\_MIRNA\_REGULATION\_OF\_DNA\_DAMAGE\_RESPONSE, WP\_MIRNA\_REGULATION\_OF\_DNA\_DAMAGE\_RESPONSE  
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\_BASE\_EXCISION\_REPAIR, KEGG\_BASE\_EXCISION\_REPAIR  
SIG\_INSULIN\_RECEPTOR\_PATHWAY\_IN\_CARDIAC\_MYOCYTES, SIG\_INSULIN\_RECEPTOR\_PATHWAY\_IN\_CARDIAC\_MYOCYTES  
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\_REGULATION\_OF\_RAS\_BY\_GAPS, REACTOME\_REGULATION\_OF\_RAS\_BY\_GAPS  
REACTOME\_TRANSCRIPTIONAL\_REGULATION\_BY\_RUNX3, REACTOME\_TRANSCRIPTIONAL\_REGULATION\_BY\_RUNX3  
WP\_BASE\_EXCISION\_REPAIR, WP\_BASE\_EXCISION\_REPAIR  
PID\_RB\_1PATHWAY, PID\_RB\_1PATHWAY  
KEGG\_COLORECTAL\_CANCER, KEGG\_COLORECTAL\_CANCER  
REACTOME\_INTERLEUKIN\_17\_SIGNALING, REACTOME\_INTERLEUKIN\_17\_SIGNALING  
REACTOME\_HEDGEHOG\_ON\_STATE, REACTOME\_HEDGEHOG\_ON\_STATE  
WP\_MELANOMA, WP\_MELANOMA  
KEGG\_PANCREATIC\_CANCER, KEGG\_PANCREATIC\_CANCER  
REACTOME\_REGULATION\_OF\_RUNX2\_EXPRESSION\_AND\_ACTIVITY, REACTOME\_REGULATION\_OF\_RUNX2\_EXPRESSION\_AND\_ACTIVITY  
REACTOME\_INHIBITION\_OF\_THE\_PROTEOLYTIC\_ACTIVITY\_OF\_APC\_C\_REQUIRED\_FOR\_THE\_ONSET\_OF\_ANAPHASE\_BY\_MITOTIC\_SPINDLE\_CHECKPOINT, REACTOME\_INHIBITION\_OF\_THE\_PROTEOLYTIC\_ACTIVITY\_OF\_APC\_C\_REQUIRED\_FOR\_THE\_ONSET\_OF\_ANAPHASE\_BY\_MITOTIC\_SPINDLE\_CHECKPOINT  
WP\_PATHWAYS\_AFFECTED\_IN\_ADENOID\_CYSTIC\_CARCINOMA, WP\_PATHWAYS\_AFFECTED\_IN\_ADENOID\_CYSTIC\_CARCINOMA  
PID\_BARD1\_PATHWAY, PID\_BARD1\_PATHWAY  
WP\_ENDOMETRIAL\_CANCER, WP\_ENDOMETRIAL\_CANCER  
WP\_PARKINUBIQUITIN\_PROTEASOMAL\_SYSTEM\_PATHWAY, WP\_PARKINUBIQUITIN\_PROTEASOMAL\_SYSTEM\_PATHWAY  
PID\_PRL\_SIGNALING\_EVENTS\_PATHWAY, PID\_PRL\_SIGNALING\_EVENTS\_PATHWAY  
WP\_BLADDER\_CANCER, WP\_BLADDER\_CANCER  
REACTOME\_ACTIVATION\_OF\_BH3\_ONLY\_PROTEINS, REACTOME\_ACTIVATION\_OF\_BH3\_ONLY\_PROTEINS  
KEGG\_PROGESTERONE\_MEDIATED\_OOCYTE\_MATURATION, KEGG\_PROGESTERONE\_MEDIATED\_OOCYTE\_MATURATION  
PID\_P73PATHWAY, PID\_P73PATHWAY  
REACTOME\_LAGGING\_STRAND\_SYNTHESIS, REACTOME\_LAGGING\_STRAND\_SYNTHESIS  
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\_ESTROGEN\_DEPENDENT\_NUCLEAR\_EVENTS\_DOWNSTREAM\_OF\_ESR\_MEMBRANE\_SIGNALING, REACTOME\_ESTROGEN\_DEPENDENT\_NUCLEAR\_EVENTS\_DOWNSTREAM\_OF\_ESR\_MEMBRANE\_SIGNALING  
WP\_APOPTOSISRELATED\_NETWORK\_DUE\_TO\_ALTERED\_NOTCH3\_IN\_OVARIAN\_CANCER, WP\_APOPTOSISRELATED\_NETWORK\_DUE\_TO\_ALTERED\_NOTCH3\_IN\_OVARIAN\_CANCER  
REACTOME\_TELOMERE\_EXTENSION\_BY\_TELOMERASE, REACTOME\_TELOMERE\_EXTENSION\_BY\_TELOMERASE  
REACTOME\_EXTRA\_NUCLEAR\_ESTROGEN\_SIGNALING, REACTOME\_EXTRA\_NUCLEAR\_ESTROGEN\_SIGNALING  
BIOCARTA\_MCM\_PATHWAY, BIOCARTA\_MCM\_PATHWAY  
REACTOME\_G1\_S\_SPECIFIC\_TRANSCRIPTION, REACTOME\_G1\_S\_SPECIFIC\_TRANSCRIPTION  
PID\_E2F\_PATHWAY, PID\_E2F\_PATHWAY  
REACTOME\_TRANSCRIPTIONAL\_REGULATION\_BY\_E2F6, REACTOME\_TRANSCRIPTIONAL\_REGULATION\_BY\_E2F6  
BIOCARTA\_CELLCYCLE\_PATHWAY, BIOCARTA\_CELLCYCLE\_PATHWAY  
REACTOME\_UNWINDING\_OF\_DNA, REACTOME\_UNWINDING\_OF\_DNA  
REACTOME\_PCNA\_DEPENDENT\_LONG\_PATCH\_BASE\_EXCISION\_REPAIR, REACTOME\_PCNA\_DEPENDENT\_LONG\_PATCH\_BASE\_EXCISION\_REPAIR  
SA\_PTEEN\_PATHWAY, SA\_PTEEN\_PATHWAY  
REACTOME\_MISMATCH\_REPAIR, REACTOME\_MISMATCH\_REPAIR  
REACTOME\_TRANSCRIPTIONAL\_REGULATION\_BY\_RUNX2, REACTOME\_TRANSCRIPTIONAL\_REGULATION\_BY\_RUNX2  
REACTOME\_DNA\_DOUBLE\_STRAND\_BREAK\_RESPONSE, REACTOME\_DNA\_DOUBLE\_STRAND\_BREAK\_RESPONSE  
WP\_RESISTIN\_AS\_A\_REGULATOR\_OF\_INFLAMMATION, WP\_RESISTIN\_AS\_A\_REGULATOR\_OF\_INFLAMMATION  
BIOCARTA\_P53HYPXOXIA\_PATHWAY, BIOCARTA\_P53HYPXOXIA\_PATHWAY  
PID\_FOXO\_PATHWAY, PID\_FOXO\_PATHWAY  
REACTOME\_FOXO\_MEDIATED\_TRANSCRIPTION, REACTOME\_FOXO\_MEDIATED\_TRANSCRIPTION  
WP\_ANDROGEN\_RECEPTOR\_SIGNALING\_PATHWAY, WP\_ANDROGEN\_RECEPTOR\_SIGNALING\_PATHWAY  
BIOCARTA\_RB\_PATHWAY, BIOCARTA\_RB\_PATHWAY  
BIOCARTA\_P27\_PATHWAY, BIOCARTA\_P27\_PATHWAY  
REACTOME\_MAPK6\_MAPK4\_SIGNALING, REACTOME\_MAPK6\_MAPK4\_SIGNALING  
WP\_HEAD\_AND\_NECK\_SQUAMOUS\_CELL\_CARCINOMA, WP\_HEAD\_AND\_NECK\_SQUAMOUS\_CELL\_CARCINOMA