

ME\_S\_PHASE, REACTOME\_S\_PHASE

REACTOME\_DNA\_REPLICATION, REACTOME\_DNA\_REPLICATION  
REACTOME\_DNA\_DOUBLE\_STRAND\_BREAK\_REPAIR, REACTOME\_DNA\_DOUBLE\_STRAND\_BREAK\_REPAIR  
REACTOME\_HOMOLOGY\_DIRECTED\_REPAIR, REACTOME\_HOMOLOGY\_DIRECTED\_REPAIR  
REACTOME\_MITOTIC\_SPINDLE\_CHECKPOINT, REACTOME\_MITOTIC\_SPINDLE\_CHECKPOINT  
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\_G2\_M\_CHECKPOINTS, REACTOME\_G2\_M\_CHECKPOINTS  
REACTOME\_HDR\_THROUGH\_HOMOLOGOUS\_RECOMBINATION\_HRR, REACTOME\_HDR\_THROUGH\_HOMOLOGOUS\_RECOMBINATION\_HRR  
REACTOME\_PTEN\_REGULATION, REACTOME\_PTEN\_REGULATION  
REACTOME\_DNA\_REPLICATION\_PRE\_INITIATION, REACTOME\_DNA\_REPLICATION\_PRE\_INITIATION  
REACTOME\_GLOBAL\_GENOME\_NUCLEOTIDE\_EXCISION\_REPAIR\_GG\_NER, REACTOME\_GLOBAL\_GENOME\_NUCLEOTIDE\_EXCISION\_REPAIR\_GG\_NER  
REACTOME\_ASSEMBLY\_OF\_THE\_PRE\_REPLICATIVE\_COMPLEX, REACTOME\_ASSEMBLY\_OF\_THE\_PRE\_REPLICATIVE\_COMPLEX  
REACTOME\_ORC1\_REMOVAL\_FROM\_CHROMATIN, REACTOME\_ORC1\_REMOVAL\_FROM\_CHROMATIN  
REACTOME\_HOST\_INTERACTIONS\_OF\_HIV\_FACTORS, REACTOME\_HOST\_INTERACTIONS\_OF\_HIV\_FACTORS  
REACTOME\_SWITCHING\_OF\_ORIGINS\_TO\_A\_POST\_REPLICATIVE\_STATE, REACTOME\_SWITCHING\_OF\_ORIGINS\_TO\_A\_POST\_REPLICATIVE\_STATE  
REACTOME\_BASE\_EXCISION\_REPAIR, REACTOME\_BASE\_EXCISION\_REPAIR  
REACTOME\_MITOTIC\_G2\_G2\_M\_PHASES, REACTOME\_MITOTIC\_G2\_G2\_M\_PHASES  
REACTOME\_RESOLUTION\_OF\_SISTER\_CHROMATID\_COHESION, REACTOME\_RESOLUTION\_OF\_SISTER\_CHROMATID\_COHESION  
REACTOME\_NEGATIVE\_REGULATION\_OF\_NOTCH4\_SIGNALING, REACTOME\_NEGATIVE\_REGULATION\_OF\_NOTCH4\_SIGNALING  
REACTOME\_DNA\_STRAND\_ELONGATION, REACTOME\_DNA\_STRAND\_ELONGATION  
REACTOME\_RUNX1\_REGULATES\_TRANSCRIPTION\_OF\_GENES\_INVOLVED\_IN\_DIFFERENTIATION\_OF\_HSCS, REACTOME\_RUNX1\_REGULATES\_TRANSCRIPTION\_OF\_GENES\_INVOLVED\_IN\_DIFFERENTIATION\_OF\_HSCS  
REACTOME\_PROCESSING\_OF\_DNA\_DOUBLE\_STRAND\_BREAK\_ENDS, REACTOME\_PROCESSING\_OF\_DNA\_DOUBLE\_STRAND\_BREAK\_ENDS  
REACTOME\_REGULATION\_OF\_PTEN\_STABILITY\_AND\_ACTIVITY, REACTOME\_REGULATION\_OF\_PTEN\_STABILITY\_AND\_ACTIVITY  
REACTOME\_TRANSCRIPTIONAL\_REGULATION\_OF\_GRANULOPOIESIS, REACTOME\_TRANSCRIPTIONAL\_REGULATION\_OF\_GRANULOPOIESIS  
REACTOME\_RESOLUTION\_OF\_ABASIC\_SITES\_AP\_SITES, REACTOME\_RESOLUTION\_OF\_ABASIC\_SITES\_AP\_SITES  
REACTOME\_REGULATION\_OF\_TP53\_ACTIVITY, REACTOME\_REGULATION\_OF\_TP53\_ACTIVITY  
REACTOME\_AUF1\_HNRNP\_D0\_BINDS\_AND\_DESTABILIZES\_MRNA, REACTOME\_AUF1\_HNRNP\_D0\_BINDS\_AND\_DESTABILIZES\_MRNA  
REACTOME\_DEGRADATION\_OF\_AXIN, REACTOME\_DEGRADATION\_OF\_AXIN  
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\_CYCLIN\_A\_CDK2\_ASSOCIATED\_EVENTS\_AT\_S\_PHASE\_ENTRY, REACTOME\_CYCLIN\_A\_CDK2\_ASSOCIATED\_EVENTS\_AT\_S\_PHASE\_ENTRY  
REACTOME\_DEGRADATION\_OF\_BETA\_CATENIN\_BY\_THE\_DESTRUCTION\_COMPLEX, REACTOME\_DEGRADATION\_OF\_BETA\_CATENIN\_BY\_THE\_DESTRUCTION\_COMPLEX  
REACTOME\_REGULATION\_OF\_TP53\_ACTIVITY\_THROUGH\_PHOSPHORYLATION, REACTOME\_REGULATION\_OF\_TP53\_ACTIVITY\_THROUGH\_PHOSPHORYLATION  
REACTOME\_APOPTOSIS, REACTOME\_APOPTOSIS  
REACTOME\_RESOLUTION\_OF\_AP\_SITES\_VIA\_THE\_MULTIPLE\_NUCLEOTIDE\_PATCH\_REPLACEMENT\_PATHWAY, REACTOME\_RESOLUTION\_OF\_AP\_SITES\_VIA\_THE\_MULTIPLE\_NUCLEOTIDE\_PATCH\_REPLACEMENT\_PATHWAY  
REACTOME\_OXIDATIVE\_STRESS\_INDUCED\_SENESCENCE, REACTOME\_OXIDATIVE\_STRESS\_INDUCED\_SENESCENCE  
REACTOME\_RECOGNITION\_OF\_DNA\_DAMAGE\_BY\_PCNA\_CONTAINING\_REPLICATION\_COMPLEX, REACTOME\_RECOGNITION\_OF\_DNA\_DAMAGE\_BY\_PCNA\_CONTAINING\_REPLICATION\_COMPLEX  
REACTOME\_DEGRADATION\_OF\_DVL, REACTOME\_DEGRADATION\_OF\_DVL  
REACTOME\_HDR\_THROUGH\_SINGLE\_STRAND\_ANNHEALING\_SSA, REACTOME\_HDR\_THROUGH\_SINGLE\_STRAND\_ANNHEALING\_SSA  
REACTOME\_G2\_M\_DNA\_DAMAGE\_CHECKPOINT, REACTOME\_G2\_M\_DNA\_DAMAGE\_CHECKPOINT  
REACTOME\_HOMOLOGOUS\_DNA\_PAIRING\_AND\_STRAND\_EXCHANGE, REACTOME\_HOMOLOGOUS\_DNA\_PAIRING\_AND\_STRAND\_EXCHANGE  
REACTOME\_SCF\_SKP2\_MEDIATED\_DEGRADATION\_OF\_P27\_P21, REACTOME\_SCF\_SKP2\_MEDIATED\_DEGRADATION\_OF\_P27\_P21  
REACTOME\_PCNA\_DEPENDENT\_LONG\_PATCH\_BASE\_EXCISION\_REPAIR, REACTOME\_PCNA\_DEPENDENT\_LONG\_PATCH\_BASE\_EXCISION\_REPAIR  
REACTOME\_GAP\_FILLING\_DNA\_REPAIR\_SYNTHESIS\_AND\_LIGATION\_IN\_GG\_NER, REACTOME\_GAP\_FILLING\_DNA\_REPAIR\_SYNTHESIS\_AND\_LIGATION\_IN\_GG\_NER  
REACTOME\_APC\_C\_MEDIATED\_DEGRADATION\_OF\_CELL\_CYCLE\_PROTEINS, REACTOME\_APC\_C\_MEDIATED\_DEGRADATION\_OF\_CELL\_CYCLE\_PROTEINS  
REACTOME\_CELLULAR\_RESPONSE\_TO\_HYPOXIA, REACTOME\_CELLULAR\_RESPONSE\_TO\_HYPOXIA  
REACTOME\_APC\_C\_CDH1\_MEDIATED\_DEGRADATION\_OF\_CDC20\_AND\_OTHER\_APC\_C\_CDH1\_TARGETED\_PROTEINS\_IN\_LATE\_MITOSIS\_EARLY\_G1, REACTOME\_APC\_C\_CDH1\_MEDIATED\_DEGRADATION\_OF\_CDC20\_AND\_OTHER\_APC\_C\_CDH1\_TARGETED\_PROTEINS\_IN\_LATE\_MITOSIS\_EARLY\_G1  
REACTOME\_DUAL\_INCISION\_IN\_GG\_NER, REACTOME\_DUAL\_INCISION\_IN\_GG\_NER  
REACTOME\_CELLULAR\_SENESCENCE, REACTOME\_CELLULAR\_SENESCENCE  
REACTOME\_REGULATION\_OF\_RUNX3\_EXPRESSION\_AND\_ACTIVITY, REACTOME\_REGULATION\_OF\_RUNX3\_EXPRESSION\_AND\_ACTIVITY  
REACTOME\_LAGGING\_STRAND\_SYNTHESIS, REACTOME\_LAGGING\_STRAND\_SYNTHESIS  
REACTOME\_DEGRADATION\_OF\_GLI1\_BY\_THE\_PROTEASOME, REACTOME\_DEGRADATION\_OF\_GLI1\_BY\_THE\_PROTEASOME  
REACTOME\_STABILIZATION\_OF\_P53, REACTOME\_STABILIZATION\_OF\_P53  
REACTOME\_REGULATION\_OF\_HMOX1\_EXPRESSION\_AND\_ACTIVITY, REACTOME\_REGULATION\_OF\_HMOX1\_EXPRESSION\_AND\_ACTIVITY  
REACTOME\_DNA\_DAMAGE\_BYPASS, REACTOME\_DNA\_DAMAGE\_BYPASS  
REACTOME\_DNA\_DAMAGE\_TELOMERE\_STRESS\_INDUCED\_SENESCENCE, REACTOME\_DNA\_DAMAGE\_TELOMERE\_STRESS\_INDUCED\_SENESCENCE  
REACTOME\_DECTIN\_1\_MEDIATED\_NONCANONICAL\_NF\_KB\_SIGNALING, REACTOME\_DECTIN\_1\_MEDIATED\_NONCANONICAL\_NF\_KB\_SIGNALING  
REACTOME\_MEIOSIS, REACTOME\_MEIOSIS  
REACTOME\_EXTENSION\_OF\_TELOMERES, REACTOME\_EXTENSION\_OF\_TELOMERES  
REACTOME\_SENESCENCE\_ASSOCIATED\_SECRETORY\_PHENOTYPE\_SASP, REACTOME\_SENESCENCE\_ASSOCIATED\_SECRETORY\_PHENOTYPE\_SASP  
REACTOME\_CLEC7A\_DECTIN\_1\_SIGNALING, REACTOME\_CLEC7A\_DECTIN\_1\_SIGNALING  
REACTOME\_DEFECTIVE\_CFTR\_CAUSES\_CYSTIC\_FIBROSIS, REACTOME\_DEFECTIVE\_CFTR\_CAUSES\_CYSTIC\_FIBROSIS  
REACTOME\_DOWNSTREAM\_SIGNALING\_EVENTS\_OF\_B\_CELL\_RECEPTOR\_BCR, REACTOME\_DOWNSTREAM\_SIGNALING\_EVENTS\_OF\_B\_CELL\_RECEPTOR\_BCR  
REACTOME\_POLYMERASE\_SWITCHING, REACTOME\_POLYMERASE\_SWITCHING  
REACTOME\_ACTIVATION\_OF\_ATR\_IN\_RESPONSE\_TO\_REPLICATION\_STRESS, REACTOME\_ACTIVATION\_OF\_ATR\_IN\_RESPONSE\_TO\_REPLICATION\_STRESS  
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\_TERMINATION\_OF\_TRANSLESION\_DNA\_SYNTHESIS, REACTOME\_TERMINATION\_OF\_TRANSLESION\_DNA\_SYNTHESIS  
REACTOME\_REPRODUCTION, REACTOME\_REPRODUCTION  
REACTOME\_REGULATION\_OF\_PLK1\_ACTIVITY\_AT\_G2\_M\_TRANSITION, REACTOME\_REGULATION\_OF\_PLK1\_ACTIVITY\_AT\_G2\_M\_TRANSITION  
REACTOME\_G1\_S\_DNA\_DAMAGE\_CHECKPOINTS, REACTOME\_G1\_S\_DNA\_DAMAGE\_CHECKPOINTS  
REACTOME\_DNA\_DAMAGE\_RECOGNITION\_IN\_GG\_NER, REACTOME\_DNA\_DAMAGE\_RECOGNITION\_IN\_GG\_NER  
REACTOME\_HEDGEHOG\_ON\_STATE, REACTOME\_HEDGEHOG\_ON\_STATE  
REACTOME\_TELOMERE\_C\_STRAND\_LAGGING\_STRAND\_SYNTHESIS, REACTOME\_TELOMERE\_C\_STRAND\_LAGGING\_STRAND\_SYNTHESIS  
REACTOME\_ACTIVATION\_OF\_THE\_PRE\_REPLICATIVE\_COMPLEX, REACTOME\_ACTIVATION\_OF\_THE\_PRE\_REPLICATIVE\_COMPLEX  
REACTOME\_UCH\_PROTEINASES, REACTOME\_UCH\_PROTEINASES  
REACTOME\_CROSS\_PRESENTATION\_OF\_SOLUBLE\_EXOGENOUS\_ANTIGENS\_ENDOSOMES, REACTOME\_CROSS\_PRESENTATION\_OF\_SOLUBLE\_EXOGENOUS\_ANTIGENS\_ENDOSOMES  
REACTOME\_FORMATION\_OF\_INCISION\_COMPLEX\_IN\_GG\_NER, REACTOME\_FORMATION\_OF\_INCISION\_COMPLEX\_IN\_GG\_NER  
REACTOME\_PCP\_CE\_PATHWAY, REACTOME\_PCP\_CE\_PATHWAY  
REACTOME\_FANCONI\_ANEMIA\_PATHWAY, REACTOME\_FANCONI\_ANEMIA\_PATHWAY  
REACTOME\_MISMATCH\_REPAIR, REACTOME\_MISMATCH\_REPAIR  
REACTOME\_REGULATION\_OF\_RUNX2\_EXPRESSION\_AND\_ACTIVITY, REACTOME\_REGULATION\_OF\_RUNX2\_EXPRESSION\_AND\_ACTIVITY  
REACTOME\_N\_GLYCAN\_TRIMMING\_IN\_THE\_ER\_AND\_CALNEXIN\_CALRETICULIN\_CYCLE, REACTOME\_N\_GLYCAN\_TRIMMING\_IN\_THE\_ER\_AND\_CALNEXIN\_CALRETICULIN\_CYCLE  
REACTOME\_REGULATION\_OF\_RAS\_BY\_GAPS, REACTOME\_REGULATION\_OF\_RAS\_BY\_GAPS  
REACTOME\_NEGATIVE\_REGULATION\_OF\_MAPK\_PATHWAY, REACTOME\_NEGATIVE\_REGULATION\_OF\_MAPK\_PATHWAY  
REACTOME\_E2F\_MEDIATED\_REGULATION\_OF\_DNA\_REPLICATION, REACTOME\_E2F\_MEDIATED\_REGULATION\_OF\_DNA\_REPLICATION  
REACTOME\_PROCESSIVE\_SYNTHESIS\_ON\_THE\_LAGGING\_STRAND, REACTOME\_PROCESSIVE\_SYNTHESIS\_ON\_THE\_LAGGING\_STRAND  
REACTOME\_POLYMERASE\_SWITCHING\_ON\_THE\_C\_STRAND\_OF\_THE\_TELOMERE, REACTOME\_POLYMERASE\_SWITCHING\_ON\_THE\_C\_STRAND\_OF\_THE\_TELOMERE  
REACTOME\_TCR\_SIGNALING, REACTOME\_TCR\_SIGNALING  
REACTOME\_INTERLEUKIN\_1\_SIGNALING, REACTOME\_INTERLEUKIN\_1\_SIGNALING  
REACTOME\_BETA\_CATENIN\_INDEPENDENT\_WNT\_SIGNALING, REACTOME\_BETA\_CATENIN\_INDEPENDENT\_WNT\_SIGNALING  
REACTOME\_ASYMMETRIC\_LOCALIZATION\_OF\_PCP\_PROTEINS, REACTOME\_ASYMMETRIC\_LOCALIZATION\_OF\_PCP\_PROTEINS  
REACTOME\_SIGNALING\_BY\_NOTCH4, REACTOME\_SIGNALING\_BY\_NOTCH4  
REACTOME\_G1\_S\_SPECIFIC\_TRANSCRIPTION, REACTOME\_G1\_S\_SPECIFIC\_TRANSCRIPTION  
REACTOME\_TRANSCRIPTION\_OF\_E2F\_TARGETS\_UNDER\_NEGATIVE\_CONTROL\_BY\_DREAM\_COMPLEX, REACTOME\_TRANSCRIPTION\_OF\_E2F\_TARGETS\_UNDER\_NEGATIVE\_CONTROL\_BY\_DREAM\_COMPLEX  
REACTOME\_ABC\_TRANSPORTER\_DISORDERS, REACTOME\_ABC\_TRANSPORTER\_DISORDERS  
REACTOME\_SIGNALING\_BY\_TGF\_BETA\_RECEPTOR\_COMPLEX, REACTOME\_SIGNALING\_BY\_TGF\_BETA\_RECEPTOR\_COMPLEX  
REACTOME\_RIPK1\_MEDIATED\_REGULATED\_NECROSIS, REACTOME\_RIPK1\_MEDIATED\_REGULATED\_NECROSIS  
REACTOME\_HEDGEHOG\_LIGAND\_BIOGENESIS, REACTOME\_HEDGEHOG\_LIGAND\_BIOGENESIS  
REACTOME\_CALNEXIN\_CALRETICULIN\_CYCLE, REACTOME\_CALNEXIN\_CALRETICULIN\_CYCLE  
REACTOME\_REGULATION\_OF\_TP53\_ACTIVITY\_THROUGH\_ACETYLATION, REACTOME\_REGULATION\_OF\_TP53\_ACTIVITY\_THROUGH\_ACETYLATION  
REACTOME\_PROTEIN\_UBIQUITINATION, REACTOME\_PROTEIN\_UBIQUITINATION  
REACTOME\_METABOLISM\_OF\_POLYAMINES, REACTOME\_METABOLISM\_OF\_POLYAMINES  
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\_HDAC1  
REACTOME\_INHIBITION\_OF\_REPLICATION\_INITIATION\_OF\_DAMAGED\_DNA\_BY\_RB1\_E2F1, REACTOME\_INHIBITION\_OF\_REPLICATION\_INITIATION\_OF\_DAMAGED\_DNA\_BY\_RB1\_E2F1  
REACTOME\_MAPK6\_MAPK4\_SIGNALING, REACTOME\_MAPK6\_MAPK4\_SIGNALING  
REACTOME\_HSF1\_ACTIVATION, REACTOME\_HSF1\_ACTIVATION  
REACTOME\_TRANSCRIPTIONAL\_REGULATION\_BY\_RUNX3, REACTOME\_TRANSCRIPTIONAL\_REGULATION\_BY\_RUNX3  
REACTOME\_TRANSCRIPTIONAL\_REGULATION\_BY\_E2F6, REACTOME\_TRANSCRIPTIONAL\_REGULATION\_BY\_E2F6  
REACTOME\_PEROXISOMAL\_PROTEIN\_IMPORT, REACTOME\_PEROXISOMAL\_PROTEIN\_IMPORT  
REACTOME\_P13K\_AKT\_SIGNALING\_IN\_CANCER, REACTOME\_P13K\_AKT\_SIGNALING\_IN\_CANCER  
REACTOME\_INTERLEUKIN\_3\_INTERLEUKIN\_5\_AND\_GM-CSF\_SIGNALING, REACTOME\_INTERLEUKIN\_3\_INTERLEUKIN\_5\_AND\_GM-CSF\_SIGNALING  
REACTOME\_DNA\_REPLICATION\_INITIATION, REACTOME\_DNA\_REPLICATION\_INITIATION  
REACTOME\_G0\_AND\_EARLY\_G1, REACTOME\_G0\_AND\_EARLY\_G1  
REACTOME\_SYNTHESIS\_OF\_ACTIVE\_UBIQUITIN\_ROLES\_OF\_E1\_AND\_E2\_ENZYMES, REACTOME\_SYNTHESIS\_OF\_ACTIVE\_UBIQUITIN\_ROLES\_OF\_E1\_AND\_E2\_ENZYMES  
REACTOME\_NOTCH1\_INTRACELLULAR\_DOMAIN\_REGULATES\_TRANSCRIPTION, REACTOME\_NOTCH1\_INTRACELLULAR\_DOMAIN\_REGULATES\_TRANSCRIPTION  
REACTOME\_APC\_CDC20\_MEDIATED\_DEGRADATION\_OF\_NEK2A, REACTOME\_APC\_CDC20\_MEDIATED\_DEGRADATION\_OF\_NEK2A  
REACTOME\_REGULATED\_NECROSIS, REACTOME\_REGULATED\_NECROSIS  
REACTOME\_E3\_UBIQUITIN\_LIGASES\_UBIQUITINATE\_TARGET\_PROTEINS, REACTOME\_E3\_UBIQUITIN\_LIGASES\_UBIQUITINATE\_TARGET\_PROTEINS  
REACTOME\_TRANSLATION\_OF\_SARS\_COV\_1\_STRUCTURAL\_PROTEINS, REACTOME\_TRANSLATION\_OF\_SARS\_COV\_1\_STRUCTURAL\_PROTEINS  
REACTOME\_INTRINSIC\_PATHWAY\_FOR\_APOPTOSIS, REACTOME\_INTRINSIC\_PATHWAY\_FOR\_APOPTOSIS  
REACTOME\_SARS\_COV\_2\_INFECTION, REACTOME\_SARS\_COV\_2\_INFECTION  
REACTOME\_TRANSLATION\_OF\_SARS\_COV\_2\_STRUCTURAL\_PROTEINS, REACTOME\_TRANSLATION\_OF\_SARS\_COV\_2\_STRUCTURAL\_PROTEINS  
REACTOME\_TNFR2\_NON\_CANONICAL\_NF\_KB\_PATHWAY, REACTOME\_TNFR2\_NON\_CANONICAL\_NF\_KB\_PATHWAY  
REACTOME\_REGULATION\_OF\_GENE\_EXPRESSION\_IN\_BETA\_CELLS, REACTOME\_REGULATION\_OF\_GENE\_EXPRESSION\_IN\_BETA\_CELLS