

GOBP\_DNA\_INTEGRITY\_CHECKPOINT, GOBP\_DNA\_INTEGRITY\_CHECKPOINT

GOCC\_SITE\_OF\_DNA\_DAMAGE, GOCC\_SITE\_OF\_DNA\_DAMAGE  
GOMF\_SINGLE\_STRANDED\_DNA\_BINDING, GOMF\_SINGLE\_STRANDED\_DNA\_BINDING  
GOMF\_MODIFICATION\_DEPENDENT\_PROTEIN\_BINDING, GOMF\_MODIFICATION\_DEPENDENT\_PROTEIN\_BINDING  
GOBP\_REGULATION\_OF\_SIGNAL\_TRANSDUCTION\_BY\_P53\_CLASS\_MEDIATOR, GOBP\_REGULATION\_OF\_SIGNAL\_TRANSDUCTION\_BY\_P53\_CLASS\_MEDIATOR  
GOMF\_NUCLEASE\_ACTIVITY, GOMF\_NUCLEASE\_ACTIVITY  
GOBP\_POSITIVE\_REGULATION\_OF\_INTRACELLULAR\_PROTEIN\_TRANSPORT, GOBP\_POSITIVE\_REGULATION\_OF\_INTRACELLULAR\_PROTEIN\_TRANSPORT  
GOMF\_DAMAGED\_DNA\_BINDING, GOMF\_DAMAGED\_DNA\_BINDING  
GOBP\_REGULATION\_OF\_DNA\_REPAIR, GOBP\_REGULATION\_OF\_DNA\_REPAIR  
GOMF\_EXONUCLEASE\_ACTIVITY, GOMF\_EXONUCLEASE\_ACTIVITY  
GOBP\_PROTEIN\_STABILIZATION, GOBP\_PROTEIN\_STABILIZATION  
GOBP\_RESPONSE\_TO\_IONIZING\_RADIATION, GOBP\_RESPONSE\_TO\_IONIZING\_RADIATION  
GOBP\_REGULATION\_OF\_DOUBLE\_STRAND\_BREAK\_REPAIR, GOBP\_REGULATION\_OF\_DOUBLE\_STRAND\_BREAK\_REPAIR  
GOBP\_MITOTIC\_DNA\_INTEGRITY\_CHECKPOINT, GOBP\_MITOTIC\_DNA\_INTEGRITY\_CHECKPOINT  
GOCC\_REPLICATION\_FORK, GOCC\_REPLICATION\_FORK  
GOBP\_REGULATION\_OF\_PROTEASOMAL\_PROTEIN\_CATABOLIC\_PROCESS, GOBP\_REGULATION\_OF\_PROTEASOMAL\_PROTEIN\_CATABOLIC\_PROCESS  
GOBP\_REGULATION\_OF\_PROTEASOMAL\_UBIQUITIN\_DEPENDENT\_PROTEIN\_CATABOLIC\_PROCESS, GOBP\_REGULATION\_OF\_PROTEASOMAL\_UBIQUITIN\_DEPENDENT\_PROTEIN\_CATABOLIC\_PROCESS  
GOBP\_REGULATION\_OF\_DOUBLE\_STRAND\_BREAK\_REPAIR\_VIA\_HOMOLOGOUS\_RECOMBINATION, GOBP\_REGULATION\_OF\_DOUBLE\_STRAND\_BREAK\_REPAIR\_VIA\_HOMOLOGOUS\_RECOMBINATION  
GOBP\_REGULATION\_OF\_MITOCHONDRION\_ORGANIZATION, GOBP\_REGULATION\_OF\_MITOCHONDRION\_ORGANIZATION  
GOBP\_DNA\_DEPENDENT\_DNA\_REPLICATION\_MAINTENANCE\_OF\_FIDELITY, GOBP\_DNA\_DEPENDENT\_DNA\_REPLICATION\_MAINTENANCE\_OF\_FIDELITY  
GOBP\_INTERSTRAND\_CROSS\_LINK\_REPAIR, GOBP\_INTERSTRAND\_CROSS\_LINK\_REPAIR  
GOBP\_REGULATION\_OF\_UBIQUITIN\_DEPENDENT\_PROTEIN\_CATABOLIC\_PROCESS, GOBP\_REGULATION\_OF\_UBIQUITIN\_DEPENDENT\_PROTEIN\_CATABOLIC\_PROCESS  
GOBP\_SIGNAL\_TRANSDUCTION\_IN\_RESPONSE\_TO\_DNA\_DAMAGE, GOBP\_SIGNAL\_TRANSDUCTION\_IN\_RESPONSE\_TO\_DNA\_DAMAGE  
GOMF\_EXONUCLEASE\_ACTIVITY\_ACTIVE\_WITH\_EITHER\_RIBO\_OR\_DEOXYRIBONUCLEIC\_ACIDS\_AND\_PRODUCING\_5\_PHOSPHOMONOESTERS, GOMF\_EXONUCLEASE\_ACTIVITY\_ACTIVE\_WITH\_EITHER\_RIBO\_OR\_DEOXYRIBONUCLEIC\_ACIDS\_AND\_PRODUCING\_5\_PHOSPHOMONOESTERS  
GOBP\_RESPONSE\_TO\_UV, GOBP\_RESPONSE\_TO\_UV  
GOCC\_PROTEIN\_KINASE\_COMPLEX, GOCC\_PROTEIN\_KINASE\_COMPLEX  
GOMF\_3\_5\_EXONUCLEASE\_ACTIVITY, GOMF\_3\_5\_EXONUCLEASE\_ACTIVITY  
GOBP\_RNA\_PHOSPHODIESTER\_BOND\_HYDROLYSIS\_EXONUCLEOLYTIC, GOBP\_RNA\_PHOSPHODIESTER\_BOND\_HYDROLYSIS\_EXONUCLEOLYTIC  
GOBP\_DNA\_DAMAGE\_RESPONSE\_SIGNAL\_TRANSDUCTION\_BY\_P53\_CLASS\_MEDIATOR, GOBP\_DNA\_DAMAGE\_RESPONSE\_SIGNAL\_TRANSDUCTION\_BY\_P53\_CLASS\_MEDIATOR  
GOBP\_POSITIVE\_REGULATION\_OF\_CELLULAR\_PROTEIN\_CATABOLIC\_PROCESS, GOBP\_POSITIVE\_REGULATION\_OF\_CELLULAR\_PROTEIN\_CATABOLIC\_PROCESS  
GOBP\_MITOTIC\_G1\_S\_TRANSITION\_CHECKPOINT, GOBP\_MITOTIC\_G1\_S\_TRANSITION\_CHECKPOINT  
GOBP\_INTRINSIC\_APOPTOTIC\_SIGNALING\_PATHWAY\_IN\_RESPONSE\_TO\_DNA\_DAMAGE, GOBP\_INTRINSIC\_APOPTOTIC\_SIGNALING\_PATHWAY\_IN\_RESPONSE\_TO\_DNA\_DAMAGE  
GOBP\_POSITIVE\_REGULATION\_OF\_DNA\_REPAIR, GOBP\_POSITIVE\_REGULATION\_OF\_DNA\_REPAIR  
GOBP\_POSITIVE\_REGULATION\_OF\_NUCLEOCYTOPLASMIC\_TRANSPORT, GOBP\_POSITIVE\_REGULATION\_OF\_NUCLEOCYTOPLASMIC\_TRANSPORT  
GOBP\_SIGNAL\_TRANSDUCTION\_INVOLVED\_IN\_CELL\_CYCLE\_CHECKPOINT, GOBP\_SIGNAL\_TRANSDUCTION\_INVOLVED\_IN\_CELL\_CYCLE\_CHECKPOINT  
GOMF\_RIBONUCLEASE\_ACTIVITY, GOMF\_RIBONUCLEASE\_ACTIVITY  
GOMF\_KINASE\_INHIBITOR\_ACTIVITY, GOMF\_KINASE\_INHIBITOR\_ACTIVITY  
GOBP\_POSITIVE\_REGULATION\_OF\_PROTEASOMAL\_UBIQUITIN\_DEPENDENT\_PROTEIN\_CATABOLIC\_PROCESS, GOBP\_POSITIVE\_REGULATION\_OF\_PROTEASOMAL\_UBIQUITIN\_DEPENDENT\_PROTEIN\_CATABOLIC\_PROCESS  
GOBP\_POSITIVE\_REGULATION\_OF\_PROTEOLYSIS\_INVOLVED\_IN\_CELLULAR\_PROTEIN\_CATABOLIC\_PROCESS, GOBP\_POSITIVE\_REGULATION\_OF\_PROTEOLYSIS\_INVOLVED\_IN\_CELLULAR\_PROTEIN\_CATABOLIC\_PROCESS  
GOBP\_ESTABLISHMENT\_OF\_PROTEIN\_LOCALIZATION\_TO\_MITOCHONDRIAL\_MEMBRANE, GOBP\_ESTABLISHMENT\_OF\_PROTEIN\_LOCALIZATION\_TO\_MITOCHONDRIAL\_MEMBRANE  
GOBP\_POSTREPLICATION\_REPAIR, GOBP\_POSTREPLICATION\_REPAIR  
GOBP\_INTRINSIC\_APOPTOTIC\_SIGNALING\_PATHWAY\_IN\_RESPONSE\_TO\_DNA\_DAMAGE\_BY\_P53\_CLASS\_MEDIATOR, GOBP\_INTRINSIC\_APOPTOTIC\_SIGNALING\_PATHWAY\_IN\_RESPONSE\_TO\_DNA\_DAMAGE\_BY\_P53\_CLASS\_MEDIATOR  
GOCC\_DNA\_REPAIR\_COMPLEX, GOCC\_DNA\_REPAIR\_COMPLEX  
GOMF\_EXORIBONUCLEASE\_ACTIVITY, GOMF\_EXORIBONUCLEASE\_ACTIVITY  
GOBP\_PROTEIN\_INSERTION\_INTO\_MEMBRANE, GOBP\_PROTEIN\_INSERTION\_INTO\_MEMBRANE  
GOBP\_REGULATION\_OF\_MITOCHONDRIAL\_OUTER\_MEMBRANE\_PERMEABILIZATION\_INVOLVED\_IN\_APOPTOTIC\_SIGNALING\_PATHWAY, GOBP\_REGULATION\_OF\_MITOCHONDRIAL\_OUTER\_MEMBRANE\_PERMEABILIZATION\_INVOLVED\_IN\_APOPTOTIC\_SIGNALING\_PATHWAY  
GOBP\_CELLULAR\_RESPONSE\_TO\_RADIATION, GOBP\_CELLULAR\_RESPONSE\_TO\_RADIATION  
GOCC\_CUL4\_RING\_E3\_UBIQUITIN\_LIGASE\_COMPLEX, GOCC\_CUL4\_RING\_E3\_UBIQUITIN\_LIGASE\_COMPLEX  
GOBP\_ESTABLISHMENT\_OF\_PROTEIN\_LOCALIZATION\_TO\_TELOMERE, GOBP\_ESTABLISHMENT\_OF\_PROTEIN\_LOCALIZATION\_TO\_TELOMERE  
GOBP\_POSITIVE\_REGULATION\_OF\_ESTABLISHMENT\_OF\_PROTEIN\_LOCALIZATION\_TO\_MITOCHONDRION, GOBP\_POSITIVE\_REGULATION\_OF\_ESTABLISHMENT\_OF\_PROTEIN\_LOCALIZATION\_TO\_MITOCHONDRION  
GOBP\_JNK\_CASCADE, GOBP\_JNK\_CASCADE  
GOBP\_APOPTOTIC\_MITOCHONDRIAL\_CHANGES, GOBP\_APOPTOTIC\_MITOCHONDRIAL\_CHANGES  
GOMF\_POLYUBIQUITIN\_MODIFICATION\_DEPENDENT\_PROTEIN\_BINDING, GOMF\_POLYUBIQUITIN\_MODIFICATION\_DEPENDENT\_PROTEIN\_BINDING  
GOMF\_ENDONUCLEASE\_ACTIVITY, GOMF\_ENDONUCLEASE\_ACTIVITY  
GOBP\_NEGATIVE\_REGULATION\_OF\_DNA\_DEPENDENT\_DNA\_REPLICATION, GOBP\_NEGATIVE\_REGULATION\_OF\_DNA\_DEPENDENT\_DNA\_REPLICATION  
GOBP\_MITOCHONDRIAL\_OUTER\_MEMBRANE\_PERMEABILIZATION, GOBP\_MITOCHONDRIAL\_OUTER\_MEMBRANE\_PERMEABILIZATION  
GOBP\_POSITIVE\_REGULATION\_OF\_UBIQUITIN\_DEPENDENT\_PROTEIN\_CATABOLIC\_PROCESS, GOBP\_POSITIVE\_REGULATION\_OF\_UBIQUITIN\_DEPENDENT\_PROTEIN\_CATABOLIC\_PROCESS  
GOCC\_RNA\_POLYMERASE\_II\_TRANSCRIPTION\_REGULATOR\_COMPLEX, GOCC\_RNA\_POLYMERASE\_II\_TRANSCRIPTION\_REGULATOR\_COMPLEX  
GOBP\_CELLULAR\_RESPONSE\_TO\_IONIZING\_RADIATION, GOBP\_CELLULAR\_RESPONSE\_TO\_IONIZING\_RADIATION  
GOMF\_HISTONE\_METHYLTRANSFERASE\_ACTIVITY, GOMF\_HISTONE\_METHYLTRANSFERASE\_ACTIVITY  
GOBP\_NUCLEOTIDE\_EXCISION\_REPAIR\_DNA\_INCISION, GOBP\_NUCLEOTIDE\_EXCISION\_REPAIR\_DNA\_INCISION  
GOBP\_REGULATION\_OF\_ESTABLISHMENT\_OF\_PROTEIN\_LOCALIZATION\_TO\_MITOCHONDRION, GOBP\_REGULATION\_OF\_ESTABLISHMENT\_OF\_PROTEIN\_LOCALIZATION\_TO\_MITOCHONDRION  
GOBP\_NUCLEOTIDE\_EXCISION\_REPAIR\_PREINCISION\_COMPLEX\_ASSEMBLY, GOBP\_NUCLEOTIDE\_EXCISION\_REPAIR\_PREINCISION\_COMPLEX\_ASSEMBLY  
GOBP\_REGULATION\_OF\_INTRACELLULAR\_STEROID\_HORMONE\_RECEPTOR\_SIGNALING\_PATHWAY, GOBP\_REGULATION\_OF\_INTRACELLULAR\_STEROID\_HORMONE\_RECEPTOR\_SIGNALING\_PATHWAY  
GOBP\_CELLULAR\_RESPONSE\_TO\_UV, GOBP\_CELLULAR\_RESPONSE\_TO\_UV  
GOBP\_POSITIVE\_REGULATION\_OF\_CELL\_CYCLE\_ARREST, GOBP\_POSITIVE\_REGULATION\_OF\_CELL\_CYCLE\_ARREST  
GOBP\_DNA\_SYNTHESIS\_INVOLVED\_IN\_DNA\_REPAIR, GOBP\_DNA\_SYNTHESIS\_INVOLVED\_IN\_DNA\_REPAIR  
GOBP\_TRANSLESION\_SYNTHESIS, GOBP\_TRANSLESION\_SYNTHESIS  
GOBP\_DNA\_DOUBLE\_STRAND\_BREAK\_PROCESSING, GOBP\_DNA\_DOUBLE\_STRAND\_BREAK\_PROCESSING  
GOBP\_POSITIVE\_REGULATION\_OF\_MEMBRANE\_PERMEABILITY, GOBP\_POSITIVE\_REGULATION\_OF\_MEMBRANE\_PERMEABILITY  
GOBP\_DNA\_REPLICATION\_INITIATION, GOBP\_DNA\_REPLICATION\_INITIATION  
GOBP\_INTRINSIC\_APOPTOTIC\_SIGNALING\_PATHWAY\_IN\_RESPONSE\_TO\_ENDOPLASMIC\_RETICULUM\_STRESS, GOBP\_INTRINSIC\_APOPTOTIC\_SIGNALING\_PATHWAY\_IN\_RESPONSE\_TO\_ENDOPLASMIC\_RETICULUM\_STRESS  
GOBP\_POSITIVE\_REGULATION\_OF\_MITOCHONDRION\_ORGANIZATION, GOBP\_POSITIVE\_REGULATION\_OF\_MITOCHONDRION\_ORGANIZATION  
GOBP\_POSITIVE\_REGULATION\_OF\_CYSTEINE\_TYPE\_ENDOPEPTIDASE\_ACTIVITY, GOBP\_POSITIVE\_REGULATION\_OF\_CYSTEINE\_TYPE\_ENDOPEPTIDASE\_ACTIVITY  
GOBP\_TELOMERE\_MAINTENANCE\_VIA\_SEMI\_CONSERVATIVE\_REPLICATION, GOBP\_TELOMERE\_MAINTENANCE\_VIA\_SEMI\_CONSERVATIVE\_REPLICATION  
GOBP\_ENTRAINMENT\_OF\_CIRCADIAN\_CLOCK, GOBP\_ENTRAINMENT\_OF\_CIRCADIAN\_CLOCK  
GOBP\_FORMATION\_OF\_EXTRACHROMOSOMAL\_CIRCULAR\_DNA, GOBP\_FORMATION\_OF\_EXTRACHROMOSOMAL\_CIRCULAR\_DNA  
GOBP\_NEGATIVE\_REGULATION\_OF\_PROTEASOMAL\_UBIQUITIN\_DEPENDENT\_PROTEIN\_CATABOLIC\_PROCESS, GOBP\_NEGATIVE\_REGULATION\_OF\_PROTEASOMAL\_UBIQUITIN\_DEPENDENT\_PROTEIN\_CATABOLIC\_PROCESS  
GOBP\_POSITIVE\_REGULATION\_OF\_DNA\_RECOMBINATION, GOBP\_POSITIVE\_REGULATION\_OF\_DNA\_RECOMBINATION  
GOBP\_REGULATION\_OF\_RELEASE\_OF\_CYTOCHROME\_C\_FROM\_MITOCHONDRIA, GOBP\_REGULATION\_OF\_RELEASE\_OF\_CYTOCHROME\_C\_FROM\_MITOCHONDRIA  
GOBP\_REGULATION\_OF\_DOUBLE\_STRAND\_BREAK\_REPAIR\_VIA\_NONHOMOLOGOUS\_END\_JOINING, GOBP\_REGULATION\_OF\_DOUBLE\_STRAND\_BREAK\_REPAIR\_VIA\_NONHOMOLOGOUS\_END\_JOINING  
GOBP\_INTRACELLULAR\_STEROID\_HORMONE\_RECEPTOR\_SIGNALING\_PATHWAY, GOBP\_INTRACELLULAR\_STEROID\_HORMONE\_RECEPTOR\_SIGNALING\_PATHWAY  
GOMF\_MISMATCHED\_DNA\_BINDING, GOMF\_MISMATCHED\_DNA\_BINDING  
GOMF\_CYCLIN\_BINDING, GOMF\_CYCLIN\_BINDING  
GOBP\_ACTIVATION\_OF\_CYSTEINE\_TYPE\_ENDOPEPTIDASE\_ACTIVITY\_INVOLVED\_IN\_APOPTOTIC\_PROCESS, GOBP\_ACTIVATION\_OF\_CYSTEINE\_TYPE\_ENDOPEPTIDASE\_ACTIVITY\_INVOLVED\_IN\_APOPTOTIC\_PROCESS  
GOBP\_NEGATIVE\_REGULATION\_OF\_RESPONSE\_TO\_DNA\_DAMAGE\_STIMULUS, GOBP\_NEGATIVE\_REGULATION\_OF\_RESPONSE\_TO\_DNA\_DAMAGE\_STIMULUS  
GOBP\_RESPONSE\_TO\_X\_RAY, GOBP\_RESPONSE\_TO\_X\_RAY  
GOBP\_DNA\_STRAND\_ELONGATION, GOBP\_DNA\_STRAND\_ELONGATION  
GOBP\_MITOCHONDRIAL\_GENOME\_MAINTENANCE, GOBP\_MITOCHONDRIAL\_GENOME\_MAINTENANCE  
GOBP\_MITOCHONDRIAL\_DNA\_METABOLIC\_PROCESS, GOBP\_MITOCHONDRIAL\_DNA\_METABOLIC\_PROCESS  
GOMF\_POLY\_A\_SPECIFIC\_RIBONUCLEASE\_ACTIVITY, GOMF\_POLY\_A\_SPECIFIC\_RIBONUCLEASE\_ACTIVITY