

NUCLEOTIDE\_EXCISION\_REPAIR\_GG\_NER, REACTOME\_GLOBAL\_GENOME\_NUCLEOTIDE\_EXCISION\_REPAIR\_GG\_NER

REACTOME\_EPIGENETIC\_REGULATION\_OF\_GENE\_EXPRESSION, REACTOME\_EPIGENETIC\_REGULATION\_OF\_GENE\_EXPRESSION  
REACTOME\_FORMATION\_OF\_INCISION\_COMPLEX\_IN\_GG\_NER, REACTOME\_FORMATION\_OF\_INCISION\_COMPLEX\_IN\_GG\_NER  
REACTOME\_DUAL\_INCISION\_IN\_GG\_NER, REACTOME\_DUAL\_INCISION\_IN\_GG\_NER  
KEGG\_NUCLEOTIDE\_EXCISION\_REPAIR, KEGG\_NUCLEOTIDE\_EXCISION\_REPAIR  
REACTOME\_NEGATIVE\_EPIGENETIC\_REGULATION\_OF\_RRNA\_EXPRESSION, REACTOME\_NEGATIVE\_EPIGENETIC\_REGULATION\_OF\_RRNA\_EXPRESSION  
REACTOME\_RNA\_POLYMERASE\_I\_TRANSCRIPTION, REACTOME\_RNA\_POLYMERASE\_I\_TRANSCRIPTION  
REACTOME\_NOD1\_2\_SIGNALING\_PATHWAY, REACTOME\_NOD1\_2\_SIGNALING\_PATHWAY  
REACTOME\_RESOLUTION\_OF\_ABASIC\_SITES\_AP\_SITES, REACTOME\_RESOLUTION\_OF\_ABASIC\_SITES\_AP\_SITES  
REACTOME\_DNA\_DAMAGE\_BYPASS, REACTOME\_DNA\_DAMAGE\_BYPASS  
REACTOME\_SIGNALING\_BY\_ERBB4, REACTOME\_SIGNALING\_BY\_ERBB4  
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  
PID\_HDAC\_CLASSI\_PATHWAY, PID\_HDAC\_CLASSI\_PATHWAY  
REACTOME\_TOLL\_LIKE\_RECEPTOR\_10\_TLR10\_CASCADE, REACTOME\_TOLL\_LIKE\_RECEPTOR\_10\_TLR10\_CASCADE  
JACKSON\_DNMT1\_TARGETS\_UP, JACKSON\_DNMT1\_TARGETS\_UP  
REACTOME\_RECOGNITION\_OF\_DNA\_DAMAGE\_BY\_PCNA\_CONTAINING\_REPLICATION\_COMPLEX, REACTOME\_RECOGNITION\_OF\_DNA\_DAMAGE\_BY\_PCNA\_CONTAINING\_REPLICATION\_COMPLEX  
DACOSTA\_UV\_RESPONSE\_VIA\_ERCC3\_COMMON\_UP, DACOSTA\_UV\_RESPONSE\_VIA\_ERCC3\_COMMON\_UP  
REACTOME\_TOLL\_LIKE\_RECEPTOR\_9\_TLR9\_CASCADE, REACTOME\_TOLL\_LIKE\_RECEPTOR\_9\_TLR9\_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  
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REACTOME\_ONCOGENE\_INDUCED\_SENESCENCE, REACTOME\_ONCOGENE\_INDUCED\_SENESCENCE  
MACAEVA\_PPMC\_RESPONSE\_TO\_IR, MACAEVA\_PPMC\_RESPONSE\_TO\_IR  
REACTOME\_P75\_NTR\_RECEPTOR\_MEDIATED\_SIGNALLING, REACTOME\_P75\_NTR\_RECEPTOR\_MEDIATED\_SIGNALLING  
REACTOME\_MXD88\_INDEPENDENT\_TLR4\_CASCADE, REACTOME\_MXD88\_INDEPENDENT\_TLR4\_CASCADE  
REACTOME\_DEATH\_RECEPTOR\_SIGNALLING, REACTOME\_DEATH\_RECEPTOR\_SIGNALLING  
REACTOME\_TOLL\_LIKE\_RECEPTOR\_TLR1\_TLR2\_CASCADE, REACTOME\_TOLL\_LIKE\_RECEPTOR\_TLR1\_TLR2\_CASCADE  
REACTOME\_TNF\_SIGNALING, REACTOME\_TNF\_SIGNALING  
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\_SUMOYLATION\_OF\_TRANSCRIPTION\_COFACTORS, REACTOME\_SUMOYLATION\_OF\_TRANSCRIPTION\_COFACTORS  
REACTOME\_CYCLIN\_D\_ASSOCIATED\_EVENTS\_IN\_G1, REACTOME\_CYCLIN\_D\_ASSOCIATED\_EVENTS\_IN\_G1  
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KEGG\_BASE\_EXCISION\_REPAIR, KEGG\_BASE\_EXCISION\_REPAIR  
REACTOME\_DNA\_DOUBLE\_STRAND\_BREAK\_RESPONSE, REACTOME\_DNA\_DOUBLE\_STRAND\_BREAK\_RESPONSE  
REACTOME\_E3\_UBIQUITIN\_LIGASES\_UBIQUITINATE\_TARGET\_PROTEINS, REACTOME\_E3\_UBIQUITIN\_LIGASES\_UBIQUITINATE\_TARGET\_PROTEINS  
REACTOME\_DDX58\_IFIH1\_MEDIATED\_INDUCATION\_OF\_INTERFERON\_ALPHA\_BETA, REACTOME\_DDX58\_IFIH1\_MEDIATED\_INDUCATION\_OF\_INTERFERON\_ALPHA\_BETA  
REACTOME\_TOLL\_LIKE\_RECEPTOR\_4\_TLR4\_CASCADE, REACTOME\_TOLL\_LIKE\_RECEPTOR\_4\_TLR4\_CASCADE  
REACTOME\_CELL\_DEATH\_SIGNALLING\_VIA\_NRAGE\_NRIF\_AND\_NADE, REACTOME\_CELL\_DEATH\_SIGNALLING\_VIA\_NRAGE\_NRIF\_AND\_NADE  
REACTOME\_SUMOYLATION\_OF\_IMMUNE\_RESPONSE\_PROTEINS, REACTOME\_SUMOYLATION\_OF\_IMMUNE\_RESPONSE\_PROTEINS  
KOKKINAKIS\_METHIONINE\_DEPRIVATION\_96HR\_UP, KOKKINAKIS\_METHIONINE\_DEPRIVATION\_96HR\_UP  
REACTOME\_NONHOMOLOGOUS\_END\_JOINING\_NHEJ, REACTOME\_NONHOMOLOGOUS\_END\_JOINING\_NHEJ  
GNATENKO\_PLATELET\_SIGNATURE, GNATENKO\_PLATELET\_SIGNATURE  
MANN\_RESPONSE\_TO\_AMIFOSTINE\_UP, MANN\_RESPONSE\_TO\_AMIFOSTINE\_UP  
REACTOME\_MISMATCH\_REPAIR, REACTOME\_MISMATCH\_REPAIR  
REACTOME\_INTERLEUKIN\_17\_SIGNALING, REACTOME\_INTERLEUKIN\_17\_SIGNALING