```
R-HSA-1640170: Cell Cycle
                                                       GO:1903047: mitotic cell cycle process
                                                       GO:0071103: DNA conformation change
                                                       GO:0016569: covalent chromatin modification
                                                       hsa04110: Cell cycle
                                                       GO:0033044: regulation of chromosome organization
                                                       GO:0044770: cell cycle phase transition
                                                       GO:0006260: DNA replication
                                                       GO:0030261: chromosome condensation
                                                       GO:0006606: protein import into nucleus M40: PID E2F PATHWAY
                                                       GO:0097549: chromatin organization involved in negative regulation of transcription
                                                       R-HSA-3247509: Chromatin modifying enzymes
                                                       R-HSA-3108232: SUMO E3 ligases SUMOylate target proteins
                                                       GO:0046649: lymphocyte activation
                                                       GO:0051321: meiotic cell cycle
                                                       GO:0043549: regulation of kinase activity
                                                       GO:0051383: kinetochore organization M176: PID FOXM1 PATHWAY
                                                       GO:0002429: immune response-activating cell surface receptor signaling pathway
                                                       R-HSA-453274: Mitotic G2-G2/M phases
                                                       GO:0051640: organelle localization
                                                       R-HSA-69205: G1/S-Specific Transcription
                                                       R-HSA-8878171: Transcriptional regulation by RUNX1
                                                       GO:0051098: regulation of binding
                                                       M66: PID MYC AČTIV PATHWAY
                                                       WP4016: DNA IR-damage and cellular response via ATR
                                                       R-HSA-75153: Apoptotic execution phase GO:0031647: regulation of protein stability
                                                       GO:0051052: regulation of DNA metabolic process
                                                       ko05203: Viral carcinogenesis
                                                       GO:0034968: histone lysine methylation
                                                       WP3651: Pathways affected in adenoid cystic carcinoma
                                                       R-HSA-180786: Extension of Telomeres
                                                       GO:0018105: peptidyl-serine phosphorylation
                                                       GO:0006476: protein deacetylation
R-HSA-983231: Factors involved in megakaryocyte development and platelet production
                                                       R-HSA-5688426: Deubiquitination
                                                       GO:0048511: rhythmic process
                                                       R-HSA-6798695: Neutrophil degranulation
                                                       WP404: Nucleotide metabolism
                                                       M17: PID NOTCH PATHWAY
                                                       M261: PID P53 REGULATION PATHWAY
                                                       WP2525: Trans-sulfuration and one-carbon metabolism
                                                       GO:0000079: regulation of cyclin-dependent protein serine/threonine kinase activity
                                                       GO:0030099: myeloid cell differentiation
                                                       GO:0016032: viral process
                                                       WP1601: Fluoropyrimidine activity
                                                       R-HSA-3700989: Transcriptional Regulation by TP53
                                                       WP4754: IL-18 signaling pathway
                                                       R-HSA-913531: Interferon Signaling
                                                       GO:0000212: meiotic spindle organization
                                                       GO:0035563: positive regulation of chromatin binding M186: PID PDGFRB PATHWAY R-HSA-174143: APC/C-mediated degradation of cell cycle proteins
                                                       WP4217: Ebola virus pathway in host
                                                       R-HSA-5653656: Vesicle-mediated transport
                                                       GO:0097193: intrinsic apoptotic signaling pathway
                                                       GO:0045936: negative regulation of phosphate metabolic process
                                                       GO:0016572: histone phosphorylation
                                                       CORUM:6490: CUL4B-DDB1-WDR26 complex
                                                       CORUM:2819: BRCA1-CtIP-CtBP complex
                                                       GO:0042176: regulation of protein catabolic process
                                                       GO:0051493: regulation of cytoskeleton organization
                                                       WP2361: Gastric cancer network 1
                                                       GO:0031507: heterochromatin assembly
                                                       M1: PID FANCONI PATHWAY
                                                       GO:0035303: regulation of dephosphorylation
                                                       GO:0001817: regulation of cytokine production
                                                       GO:1905477: positive regulation of protein localization to membrane
                                                       WP2374: Oncostatin M signaling pathway
                                                       WP4018: Clear cell renal cell carcinoma pathways
                                                       GO:0009792: embryo development ending in birth or egg hatching
                                                       WP138: Androgen receptor signaling pathway
                                                       GO:0010256: endomembrane system organization
                                                       GO:0006006: glucose metabolic process
                                                       GO:0032077: positive regulation of deoxyribonuclease activity
                                                       GO:0043393: regulation of protein binding
                                                        GO:0051653: spindle localization
                                                       M46: PID ATR PATHWAY
                                                       R-HSA-9012999: RHO GTPase cycle
                                                       CORUM:1005: RC complex during G2/M-phase of cell cycle
                                                       GO:0051984: positive regulation of chromosome segregation
                                                       R-HSA-8943724: Regulation of PTEN gene transcription
                                                       CORUM:927: CENP-A NAC complex
                                                       GO:2001188: regulation of T cell activation via T cell receptor contact with antigen bound to MHC molecule on antigen presenting cell
                                                       GO:0007062: sister chromatid cohesion
                                                       GO:0044843: cell cycle G1/S phase transition
                                                       WP4932: 7q11.23 copy number variation syndrome
                                                       GO:0045589: regulation of regulatory T cell differentiation
                                                       GO:0007569: cell aging
                                                       GO:0071407: cellular response to organic cyclic compound
                                                       GO:0090407: organophosphate biosynthetic process
                                                       GO:2000651: positive regulation of sodium ion transmembrane transporter activity
                                                       GO:0030335: positive regulation of cell migration
                                                       GO:0001906: cell killing
                                                       R-HSA-8939246: RUNX1 regulates transcription of genes involved in differentiation of myeloid cells
                                                       GO:0010216: maintenance of DNA methylation
                                                       M242: PID AURORA A PATHWAY
                                                       GO:0031099: regeneration
                                     40
10
            20
                         30
                                                 50
                 -log10(P)
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