CELL CYCLE Growth factor Growth factor withdrawal DNA damage checkpoint K13375... K06636 K06621 K06671 K04498 K06670 Cohesin K04682 K04500 K04501 K06643 Separin K03875 K04377 (+p K04451 K06618 Apoptosis K06635 Securin MAPK signaling pathway K10500 +uT +u K02537 K03348. K06637 p16 p15 p18 p19 p27,57 p21 K02216... K06622 K06624.. K06621 K04685 K06625 K03363 K02178 K02180 +p Ubiquitin mediated proteolysis K05868 _R-point \ (START) -p K02087 +p\ K03348. K06619 K02213 K06618 K06628 K03875 K03364 K06067 K02603. K17454.. **+**p Гтр K02214 Bub2 MEN K06629 MCM (Mini-Chromosome ORC (Origin S-phase proteins, Recognition Complex) Maintenance) complex \circ CycE 0 DNA biosynthesis DNA K02541 DNA K02606 K02212 K02209 K02605 K02608 K02542 G1G2S M

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