Table S1. Classification of published cell cycle models*

Formalism	Prokaryotes or slime mold	Yeast	Xenopus or Drosophila	Mammals	Generic or unspecified
Phenomenological					1-28
Logical/Boolean		29-38		39, 40	
Ordinary differential equation	41-46	32, 43, 47-67	68-84	85-108	42, 99, 108-124
Stochastic		30-33, 50, 55, 56, 61, 65, 67, 125-132		[90, 133, 134]	
Hybrid		61, 135		136	
Delay differential equation		137		138	
Partial differential equation					124

*Citations are repeated for articles containing multiple models of different types.

Table S2. Scope of published mammalian cell cycle models.

Formalism	G/S	G2/M	G1/S/G2/M
Ordinary differential equations	85-93, 95, 97, 100-102, 106	98	94, 96, 103-105, 107, 108
Logical			39, 40
Stochastic	90	134	133
Hybrid			136
Delay differential equations	138		

Note: Since the original compilation of this list, there have been ~28 additional published model papers. These are not relevant to the work presented in this paper. Most seem in line with our manuscript introduction and largely fall within the classification distributions we provided above. Some had models coupled with time course measurements - 2 conducted experiments with yeast and 3 with xenopus extracts.

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