

Supporting Table 1: Protein numbers and concentrations

Protein	Value	Unit	Reference/Remarks
Cdc6	700, 233	#, nM	
Cdt1	2200, 733	#, nM	^a
Mcm2-7	2000, 667	#, nM	^a
Sld2	660, 220	#, nM	^a
Sld3	130, 43	#, nM	^a
Dpb11	540, 180	#, nM	^a
Cln1,2	1500, 500	#, nM	^a
Sic1	800, 267	#, nM	^a
Clb5,6	600, 200	#, nM	^a ([Clb5] =520); ^b ($\frac{[Clb6]}{[Clb5]}$ \approx 10%)
Cdc7	1600, 533	#, nM	^a
Cdc14	360, 120	#, nM	^a
Cdc45	1700, 567	#, nM	^a
GINS	1500, 500	#, nM	^a
Early origins	190	#	^c
Volume of the nucleus	5×10^{-15}	l	^d

^aGhaemmaghami et al (2003)

^bCross et al (2002)

^cLengronne et al (2001)

^dJorgensen et al (2007)

References

- Cross FR, Archambault V, Miller M, Klovstad M (2002) Testing a mathematical model of the yeast cell cycle. *Mol Biol Cell* **13**: 52-70
- Ghaemmaghami S, Huh WK, Bower K, Howson RW, Belle A, Dephoure N, O'Shea EK, Weissman JS (2003) Global analysis of protein expression in yeast. *Nature* **425**: 737-741
- Jorgensen P, Edgington NP, Schneider BL, Rupes I, Tyers M, Futcher B (2007) The size of the nucleus increases as yeast cells grow. *Mol Biol Cell* **18**: 3523-3532
- Lengronne A, Pasero P, Bensimon A, Schwob E (2001) Monitoring S phase progression globally and locally using BrdU incorporation in TK(+) yeast strains. *Nucleic Acids Res* **29**: 1433-1442