Table S2. Comparison of protein abundance between *S. pombe* and *S. cerevisiae*.

Protein in *S. pombe*	Mean molecules per cell in *S. pombe*	Molecules per cell *S. pombe* /*S. cerevisiae*	Mean molecules per cell in *S. cerevisiae* (*S22*)	Homologue in *S. cerevisiae*
Actin patch proteins				
Actin Act1p	1.43 x 10^6	6.4*	NA†	Act1p
Arp2 (Arp2p)	46,600	7.0	6,650	Arp2p
Arp3 (Arp3p)	66,700	10.0	6,650	Arp3p
ARPC1 (Arc1p/Sop2p)	40,300		NA	Arc40p
ARPC3 (Arc3p/Arc21p)	38,700	20.2	1,920	Arc18p
ARPC5 (Arc5p/Arc16p)	30,500	10.0	3,060	Arc15p
Capping protein Acp2p	19,200	2.8	6,770	Cap2p
Fimbrin Fim1p	86,500	24.6	3,510	Sac6p
Spindle pole body proteins				
SPB protein Sad1p	3,300		NA	Mps3p
Polo kinase Plo1p	6,600	4.5	1,480	Cdc5p
SIN kinase Cdc7p	4,000	16.8	238	Cdc15p
Cytokinesis proteins				
Anillin-like Mid1p	2,100			NH‡
Myosin-II Myo2p	7,300	3.4	2,140	Myo1p
Myosin-II ELC Cdc4p	77,000		NA	Mlc1p
Myosin-II RLC Rlc1p	9,600	8.5	1,130	Mlc2p
IQGAP Rng2p	2,700	9.7	279	Iqg1p/Cyk1p
PCH protein Cdc15p	35,600	182.6	195	Hof1p/Cyk2p

Formin Cdc12p	600	3.6; 2.3	166; 259	Bni1p; Bnr1p
UCS protein Rng3p	1,900	0.6	3,410	She4p/Dim1p
Alpha-actinin Ain1p	3,600			NH
Myosin-II Myp2p	6,100			NH
Septin Spn1p	10,300		NA	Cdc3p
Septin Spn4p	8,100	6.9	1,170	Cdc12p
Anillin-like Mid2p	1,800	1.1	1,600	Bud4p
Protein kinase C Pck2p	4,300	1.5	2,950	Ypk1p
Rho GEF Rgf1p	4,300	16.6	259	Rom2p
Rho GEF Rgf3p	3,200		NA	Tus1p
Chitin synthase Chs2p	2,100		NA	Chs2p

*The ratio was calculated using the global actin concentration of 5.3 μM (without excluding volume) (*S23*) and cell volume of 70 μm^3 (*S24*) of haploid *S. cerevisiae*.

†No data available (*S22*).

‡No obvious homologue in *S. cerevisiae*.

Supplementary References and Notes

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