

Supplementary Information Table S5. Components of the midbody, fungal septum division and phragmoplast studied by Otegui et al. and their relations of orthology.

Mammals		<i>S.pombe</i>		<i>S.cerevisiae</i>		Plants	
From Otegui 2005	Present in the mammalian midbody proteome	From Otegui 2005	Orthologues of mammalian midbody components	From Otegui 2005	Orthologues of mammalian midbody components	From Otegui 2005	Orthologues of mammalian midbody components
AuroraB/AIM-1	Aurora kinase B (kin1)	Ark1p	x	Ipl1p	x	At-Aurora 1, -2	x
EB1	EB1 (mic8)	Mal3p	x	Bim1p	x	AtEB1 (A, B, C)	x
KIFC1/CHO2, KIFC2,KIFC3	KIFC1/KAR3P HOMOLOG (mic11) paralogues of KIFC1/KAR3P (mic11)	Pkl1p Klp2p	x x	Kar3p	x	AtK1/AtKatA, AtK2/AtKatB, AtK3/AtKatC, AtK4/AtKatD, AtK5, AtKCBP	no, x x, x x, no
BimC	BIMC KINESIN/EG5 (mic3)	Cut7p	x	Kip1p Cin8p	x \$	TKRP125, DcKRP120-2	x x
PLK1-4	POLO-LIKE KINASE (kin11)	Plo1p	x	Cdc5p	x	At4g24400	\$
Dynamin II	Dynamin (sec192021)	Dnm1p	x	Dnm1p	x	DRP2Ab, AtDRP1/Phragmoplastin, ADL1A, ADL1E	\$ \$ \$ \$
ch-TOG/XMAP215 homolog	TOG /XMAP215 HOMOLOG (mic18)	Dis1p Alp14p	\$ \$	Stu2p	\$	MOR1/GEM1	x
KIF4	KIF4 (mic10)	-		-		FRA1/At5g47820, At3g50170, At5g60930	x x x
CLIP-170/Restin	CLIP-170 (mic4)	Tip1p		Bik1p		MCLIP-170	
MKLP1/CHO1, RabK6/MKLP2	MKLP1 (mic16)	-		-		At1g20060 (AtT20H2.17)	
p34cdc2/CDK1	paralogue of CDC2 KINASE (kin4)	Cdc2p	\$	Cdc28p	\$	CDC2	\$
Formin/mDia		Bni1p		Cdc12p		AtFH5	\$
TD-60		Pim1p		-		At1g19880	
Syntaxin 2		-		-		KNOLLE/AtSYP111	
Borealin/CDCa8		-		-		-	
TACC1		-		-		-	
Cdc14a		Cdc14p, Clp1p/Fip1p		Cdc14p		-	
PRC1		Ase1p		Ase1p		MAP-65	
MgcRacGAP		Rga7p		Rgd1p		At4g24580	
INCENP		Pic1p		Sli15p		-	
Survivin		Bir1p/Cut17p		Bir1p		-	