

### Supplementary material

Organism	Accession	Function/ annotation
<i>Arabidopsis thaliana</i>	Q9C701	Mitotic checkpoint protein, putative AT18C15_2
<i>Arabidopsis thaliana</i>	Q9LJN8	Mitotic checkpoint protein, putative AT3G19590
<i>Arabidopsis thaliana</i>	Q9SAJ0	F23A5.2(form2) mRNA export protein, putative
<i>Caenorhabditis elegans</i>	Q9XWH0	Y54G9A.6 protein
<i>Caenorhabditis elegans</i>	Q93454	CAEEL Hypothetical 41.4 kDa Trp-Asp repeats containing protein F10G8.3 in chromosome I
<i>Drosophila melanogaster</i>	Q9VAJ2	BUB3 protein
<i>Drosophila melanogaster</i>	Q9XYF7	WD-40 repeat protein BUB3
<i>Drosophila melanogaster</i>	O76523	Mitotic checkpoint control protein
<i>Drosophila melanogaster</i>	Q8MSW6	LD23540p [BUB3]
<i>Emericella nidulans</i>	O59902	Spindle assembly checkpoint protein SLDB
<i>Emericella nidulans (Aspergillus nidulans)</i>	O74224	SONA
<i>Encephalitozoon cuciculi</i>	Q8SRM6	mRNA associated protein of the RAE1 family
<i>Encephalitozoon cuciculi</i>	Q8SRD0	POLY(A)+ RNA export protein
<i>Encephalitozoon cuciculi</i>	Q8SRM6	mRNA associated protein of the RAE1 family
<i>Homo sapiens</i>	O43684	Mitotic checkpoint protein
<i>Methanosarcina acetivorans str. C2A</i>	NP_617428.1	WD40-repeat containing protein
<i>Mus musculus</i>	AAH25089	Budding uninhibited by benzimidazoles 3 homolog
<i>Mus musculus</i>	BAC40409	2 days neonate thymus thymic cells cDNA, RIKEN full-length enriched library, Clone: E430019K17 product: budding uninhibited by benzimidazoles 3 homolog
<i>Mus musculus</i>	Q9WVA3	MOUSE Mitotic checkpoint protein BUB3
<i>Neurospora crassa</i>	EAA35210	Hypothetical protein NCU09744.1
<i>Neurospora crassa</i>	EAA31842	Hypothetical protein
<i>Oryza sativa (japonica cultivar-group)</i>	Q84Z17	Putative mitotic checkpoint protein
<i>Saccharomyces cerevisiae</i>	P26449	Cell cycle arrest protein
<i>Saccharomyces cerevisiae</i>	P40066	Hypothetical 40.5 kDa Trp-Asp repeats containing protein in NUP157-PDH5 intergenic region
<i>Schizosaccharomyces pombe</i>	O42860	WD repeat protein, possible mitotic checkpoint
<i>Schizosaccharomyces pombe</i>	P41838	Poly(A)+ RNA export protein
<i>Thermomonospora curvata</i>	Gb_AAB05822.1	Pkwa
<i>Thermotoga maritima</i>	Q9X2G1	Beta transducin-related protein
<i>Xenopus laevis</i>	Q98UH2	WD repeat protein BUB3
<i>Xenopus laevis</i>	Q9YGY3	Mitotic checkpoint

**Table1:** Amino acid sequences used in the current analysis.