

## Additional data file 1

**Table S1**

**Selected *Cenpc* ESTs and genomic sequences from GenBank**

Organism	ESTs	Genomic sequences (locus)
Rat	CB327827, BQ190551, BG669698	AC095997
Human		AC104806, AC109356, AF151723
Chimpanzee		(From trace archives) <sup>†</sup>
Dog	BU748146, BU748145	
Cow	CB428746	
<i>Schizosaccharomyces pombe</i>		AL023288, AL109834 (SPBC1861.01c)
<i>Cryphonectria parasitica</i>	CB690425	
<i>Physcomitrella patens</i>	BJ167802*, BJ159529*	
Poplar	B1135594, B1136606, etc.	
Beet	BQ488389*	
<i>Arabidopsis thaliana</i>	AV559306	AC013453 (Atlg15660)
Apple	CN489643	
Barrel medic	BE325476	AC138580*
Soybean	AW780955	
Scarlet runner	CA902018	
Lotus	AW720394	
Zinnia	AU290185	
Sunflower	BQ916764*	
Lettuce	BQ996789, BQ999967*	
Potato	BF054220, BQ115396, BE343178, BQ509271	
Tomato	AI485238, AI771307, AI484910, AW622731, BI925195	
Maize	AW062057, AY109432, etc.	BH215393, BZ803155, CC445929, CC605630, CG179177, CG008398*, etc.
<i>Sorghum bicolor</i>	BG355465*, BG355791*, CF072297, CD228196*, CD228224*	CL157864, CL193099, CL193100
<i>Sorghum propinquum</i>	BF421310	
Sugarcane	CA256451, CA169588, CA083292, CA122448, CA065654, CA294311, CA079147, CA148005, CA191044, CA138332, CA098410, CA294240, CA256540, CA065728, CA122508, CA16966, BQ533265	
Rice	CB000111, C27347	AP002897 (P0686E09.20)
Barley	BU992050, BU998115*, CA026000 BM098142, AJ474427	
Wheat	BQ280552, AL820601*, CA658451, CA741440, BJ303473, BJ309345, BJ302979, BJ308833, BJ302988, BJ308841, BJ277765, BJ282957	

\*Probable pseudogene or improperly spliced; <sup>†</sup>the chimpanzee *Cenpc* gene structure was predicted by alignment with the human, mouse, and rat genes, including alignment of intron positions [29]. Chimpanzee *Cenpc* may differ at the beginning of exon 5, where a G/C transversion may necessitate the use of a splice acceptor sequence (actgcag<sup>^</sup>AAA) that is two codons downstream from the site used in human *Cenpc* (ag<sup>^</sup>TGC CAG AAA).