A

N-terminal Ndc80/Hec1 sequence alignment

```
MKRSSVSSGGAGRLSMQELRSQDVNKQGLYTPQTKEKPTFGKLSIN-----KPTSERKVSLFGKRTSGHGSR 67  H. sapiens
MKCSSVSSGAHGRQSMQSLRSQDFNKQGLYTPQTKERPAFWKLSTSRLTPGTSTSERKISLFGKGASGPGSR 72  P. tridactylis
MFGDRRKTGGLNLNGRASIAITPTKRFTDYTGSTSVRKTDARPSLS---------QPRVSLFNTKNSSVAPR 63  C. elegans
*  .  .:*. .  .  .:     ::   ** .*. : :  : * .         : ::***..  *. ..*
```

B

Aurora B kinase phosphorylation sites mapped within the N-terminus of Ndc80/Hec1:

H. sapiens: S4, S5, S8, S15, S44, T49, S55, S62, S69	Nousiainen et al., 2006 DeLuca et al., 2006 Ciferri et al., 2009 Brill et al., 2009 Malik et al., 2009 Olsen et al., 2010
C. elegans: T8, S18, S44, S51	Cheeseman et al., 2006
S. cerevisiae: S37, T54, T74, S100	Cheeseman et al., 2002 Akiyoshi et al., 2009