Table S4. Genes encoding Smc5/6 complexes in different model organisms.

component	*Drosophila* CG	*Drosophila* symbol in FlyBase	*Schizosacchromyces pombe* gene	*Saccharomyces cerevisiae* gene	Human gene
Smc5	CG32438	Dmel*Smc5*	Spr18	YOL034W/SMC5	SMC5L1 (alias KIAA0594, SMC5L1)
Smc6	CG5524	Dmel\\CG5524	Rad18	YLR383W/SMC6 Rhc18	SMC6L1 (alias FLJ22116, FLJ35534, SMC-6, SMC6L1, hSMC6)
Nse1	CG11329	Dmel\\CG11329	NSE1	YLR007W/NSE1	NSMCE1 (alias HSPC333, NSE1)
Nse2	CG13732 CG15645	*Dmel\\qjt Dmel\\cerv	NSE2	YEL019C/MMS21	NSMCE2 (alias C8orf36, FLJ32440, MMS21, NSE2)
Nse3	CG10059	Dmel*MAGE* (alias dMAGE)		YDR288W/NSE3	All MAGE genes NDNL2 (alias HCA4, MAGEG1, MAGEL3, NSE3, NSMCE3)
Nse4	CG13142	Dmel\\CG13142	Rad 62	YDL105W/NSE4 (alias Qri2)	NSMCE4A (alias NSE4APP4762, C10orf86, FLJ20003, NSE4A) NSMCE4B (alias NSE4B, EID3)/ EID1

* used by Chiolo I, Minoda A, Colmenares SU, Polyzos A, Costes SV, Karpen GH. 2011. Double-strand breaks in heterochromatin move outside of a dynamic HP1a domain to complete recombinational repair. Cell 144:732-744.

Nse= Non-SMC (structural maintenance of chromosomes) element 1 protein; SMC= structural maintenance of chromosomes