

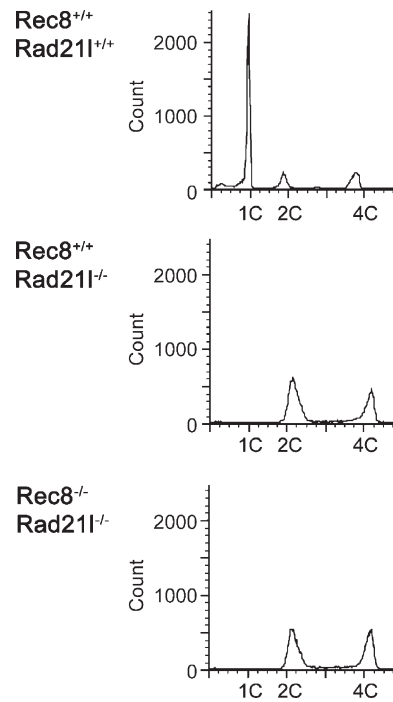
Llano et al., <http://www.jcb.org/cgi/content/full/jcb.201201100/DC1>

Figure S1. **The absence of RAD21L and REC8 does not impair DNA replication.** DNA content of the cells from the seminiferous tubules in the dKO-*kls*. FACS analysis of cells from whole seminiferous tubules from wild-type, *Rad21<sup>-/-</sup>*, and dKO-*kls* testes showing the presence of the tetraploid compartment in the three genotypes ( $n = 2$ ). In addition, both *Rad21<sup>-/-</sup>* and dKO-*kls*, but not wild type, lack the haploid compartment as a result of the prophase arrest at stage IV.

Table S1. **Number of early recombination-associated foci in spermatocytes and the weight of testis from wild-type and dKO-*kls* mice**

Genotype	Weight of testis	$\gamma$ -H2AX fluorescence	No. of RAD51 foci in leptoneuma	No. of DMC1 foci in leptoneuma	No. of RPA foci in leptoneuma
	<i>mg</i>	<i>arbitrary unit</i>			
Wild type	103 $\pm$ 8; $n = 8$	92.3 $\pm$ 56.2; $n = 40$	110.7 $\pm$ 31.8; $n = 35$	51.8 $\pm$ 20.9; $n = 40$	18.3 $\pm$ 9.7; $n = 36$
dKO- <i>kls</i>	30 $\pm$ 3; $n = 8^a$	86.7 $\pm$ 29.6; $n = 43$	13.7 $\pm$ 5.4; $n = 35^a$	53.9 $\pm$ 19.4; $n = 40$	55.5 $\pm$ 18.7; $n = 38^a$

<sup>a</sup>Significantly different from wild type ( $P < 0.05$ ).