

**Supplemental Table 1.** Fecundity of *Dmc1*<sup>Mei11</sup>/+ females and sterility of *Dmc1*<sup>Mei11</sup>/*Dmc1*<sup>-</sup> females

Geno	Strain	# mated	# fertile	Mean size 1 <sup>st</sup> Litter
+/+	B6	3	3	7.0
<i>Dmc1</i> <sup>Mei11</sup> /+	B6	4	4	7.0
+/+	C3H	4	4	5.3
<i>Dmc1</i> <sup>Mei11</sup> /+	C3H	14	14	6.5
+/+	(B6xC3H)F1	3	3	8.7
<i>Dmc1</i> <sup>Mei11</sup> /+	(B6xC3H)F1	5	5	9.0
<i>Dmc1</i> <sup>Mei11</sup> / <i>Dmc1</i> <sup>-</sup>	(B6xC3H)F1	3	0	na
<i>Dmc1</i> <sup>Mei11</sup> / <i>Dmc1</i> <sup>-</sup>	B6	2	0	na