

**S1 Table. Comparisons of  $\gamma$ H2AX, AtRAD51, AtDMC1, AtMSH4, AtMLH1 and AtMUS81 foci between WT and *Atfas1-4*.**

	<b>Col</b>	<b><i>Atfas1-4</i></b>
<b><math>\gamma</math>H2AX</b>	114.17 $\pm$ 5.29	180.05 $\pm$ 5.7
	(92-149)	(100-231)
	n = 20	n = 21
<b>AtRAD51</b>	120.55 $\pm$ 2.44	175.07 $\pm$ 6.42
	(94-155)	(121-225)
	n = 38	n = 28
<b>AtDMC1</b>	134.39 $\pm$ 3.82	179.50 $\pm$ 6.49
	(96-159)	(143 - 247)
	n = 25	n = 20
<b>AtMSH4</b>	123.60 $\pm$ 3.49	117.93 $\pm$ 5.57
	(96-159)	(54-124)
	n = 25	n = 20
<b>AtMLH1</b>	8.77 $\pm$ 0.42	9.06 $\pm$ 0.49
	(6-14)	(6-13)
	n = 20	n = 20
<b>AtMUS81</b>	1.86 $\pm$ 0.22	1.73 $\pm$ 0.18
	(1-3)	(1-3)
	n = 15	n = 14
The values in parentheses represent the range of variation. n, number of cells analyzed.		