

**Supplementary Table S6.** NDJ in *mei-W68* mutant females**A. Sex chromosome NDJ Frequencies :**

Progeny:	Regular		Exceptional			
Maternal genotype	XX	XY	XXY	XO	Nc	%NDJ
+/+	254	288	0	0	542	0
<i>mei-W68<sup>1</sup> / Df<sup>27354</sup></i>	166	118	78	44	528	46.21
<i>mei-W68<sup>CD</sup></i>	236	220	44	38	620	26.45
<i>mei-W68<sup>HA</sup></i>	193	166	25	53	515	30.29
<i>mei-W68<sup>HA</sup> / Df<sup>27354</sup></i>	218	207	68	68	697	39.02
<i>mei-W68<sup>HA</sup> / +</i>	325	323	0	3	654	0.92
<i>mei-P22</i>	197	209	44	41	576	29.51

Females with indicated second or third chromosome were crossed to *w/BsYy+* males. Surviving exceptional aneuploids are Bar-eyed *y/y/B<sup>S</sup>Y* females and wild-type *yw/O* males. Percentage of X-NDJ:  $100 \times 2(\text{X-NDJ progeny}) / \text{total progeny}$ , where total progeny (Nc) was calculated as  $2(\text{X-NDJ progeny}) + \text{regular progeny}$  (Gyuricza et al 2016)

**B. 2nd chromosome NDJ Frequencies :**

Maternal genotype :	Diplo-2	Null-2	F1/n
+/+	0	0	0
<i>mei-W68<sup>1</sup> / Df<sup>27354</sup></i>	103	42	3.62
<i>mei-W68<sup>CD</sup></i>	22	52	14.8
<i>mei-W68<sup>HA</sup></i>	84	73	7.85
<i>mei-W68<sup>HA</sup> / Df<sup>27354</sup></i>	55	35	4.5
<i>mei-W68<sup>HA</sup> / +</i>	0	0	0
<i>mei-P22</i>	3	4	1.4

Females with indicated second or third chromosome were crossed to *C(2)EN b<sup>1</sup> pr<sup>1</sup>* males.

F1/n is the frequency of NDJ/total number of females crossed.