

**TABLE S4a****Analysis of sex chromosome recombination in Pairs 11,14 & 16 (with  $X^{CXQ2}$  F1 males) of Cross158**

X or Y (gametes from F1 female or F1 male meiosis)	Number	% of total	% of rec
Total no. of gametes analyzed in F1 generation (87 x 2)	174	100	
NR (from 52 NR F2, 29 F2 with a single rec gamete (104+29))	133	76.4	
Total rec gametes (29 +12 from F2 with two rec gametes)	41	23.6	100
Rec gametes inherited from F1 female meiosis	29	16.7	70.7
Rec gametes inherited from F1 male meiosis	12	6.9	29.3

87 F2 progeny of 3 F1 pairs with female  $X^{CXQ1}$  and male  $X^{CXQ2}$  genotype were analyzed.

NR: non recombined, rec: recombined

Conclusion: Recombination between the sex chromosomes is significantly lower in XX males compared to XX females, hence dependent on phenotypic sex.