FIGURE S4.—XY bodies in pachytene spermatocytes of B6-ChrX<sup>MSM</sup>. (A) Immunocytochemical detection of XY body proteins ATR, γH2AX and XLR at the two pachytene substages. Early and late pachytene nuclei were distinguished by absence or presence of H1t signal. Despite the defective synapsis of the early pachytene spermatocytes of B6-ChrX<sup>MSM</sup>, the XY body marker proteins colocalized with the sex chromosomes. (B) Frequencies of spermatocytes with XY bodies, as detected by the marker proteins, at each pachytene substage. No significant differences in the frequency of any marker were detected by t-test. More than 80 spermatocytes were counted for each male.