

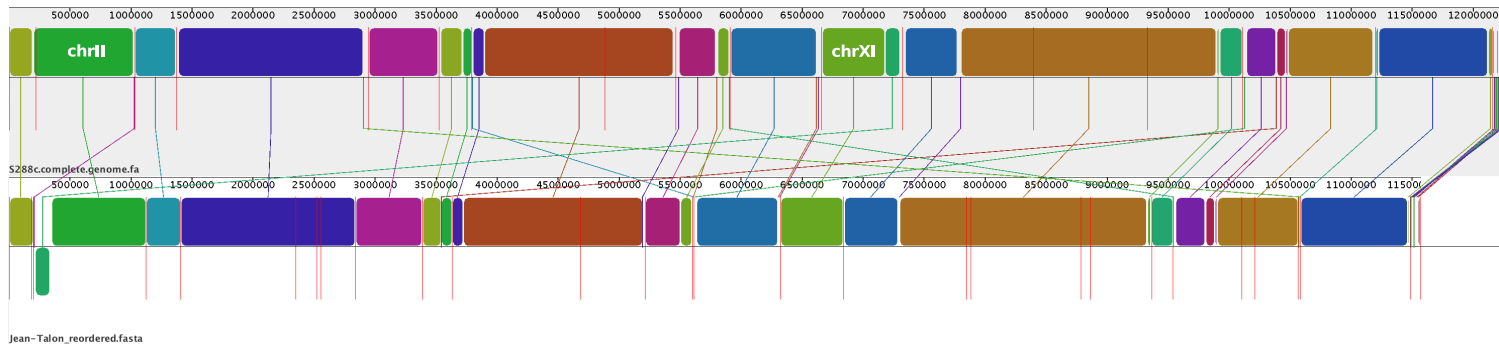
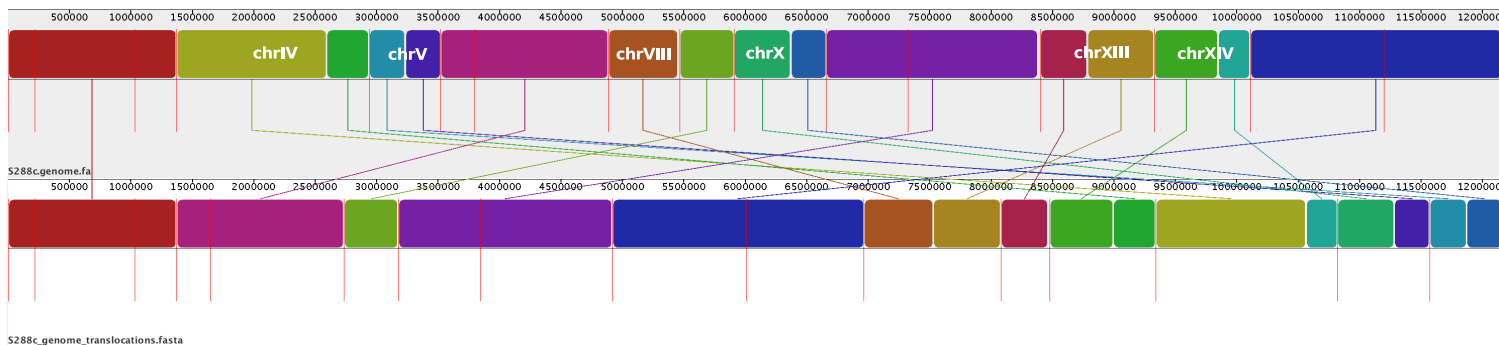
A**B**

Figure S4. Illustration of translocations from genome assembly and simulations. (A) Translocation between the right arm of chromosome XI and the left arm chromosome II in the Jean-Talon long-read assembly. The assembled translocation junction corresponds to a full-length Ty2 retrotransposon. Upper track is the S288C reference assembly from Yue *et al.* 2017; lower track is our Jean-Talon assembly. (B) Translocations simulated from the S288C reference assembly (upper track). Lower track: translocations between chromosomes IV and XIV and between chromosomes VIII and XIII have breakpoints at full-length Ty1 retrotransposons, the Ty1 on chromosome VIII being subteleric; the breakpoint of the translocation between chromosomes V and X is within the genic sequences.