**S10 Fig.** Relative transmission (parent to progeny) probability of meiotic and mitotic CO events per generation, as a function of the number of cell generations from zygote to gamete.

To compare the transmissive probability of mitotic and meiotic CO events, we took out a similar simulation as somatic conversion impact simulation for those four situations (details in Materials and Methods). After simulation, we find that the expected inheritable probability of somatic CO events will be at least 10% of COs detected in F₂ individuals per generation (assuming 40 divisions per generation in plants (Hoffman et al., 2004)).