

Repping et al. **Supplementary Figure 7** Mutational pathways that can generate *AZFc* architecture c38. **a**, The reference *AZFc* architecture. The green bow indicates targets of homologous recombination for the first step of the first pathway: **b**, **c**, and **b**. The red bow indicates targets of homologous recombination for the first step of the second pathway: **e**, **f**, and **g**. **h**, Both pathways generate architecture c38. Main text Figure 4 shows FISH results for the reference *AZFc* architecture and architecture c38. Architecture c10 was reported in Repping, et. al, *Genomics*, 84:1046 (2004). Architecture c9 has not been observed.

