

**Supplementary Fig. S9** Overlaps between PacBio reads and two haplotype 0 (A) and haplotype 1 (B). The horizontal axis is the number of coinciding polymorphic sites between the haplotype and the PacBio reads. The vertical axis represents the number of varied polymorphic sites in the overlap. Color indicates the frequency of the pairs on an exponential scale, ranging from dark red to light red.