



Supplemental Figure 1. SNP density on each chromosome before and after removing redundant markers. **A** Marker density, given as the percentage of markers on that chromosome within h (~15 Mb for A sub-genome chromosomes, ~5 Mb for D), the optimal smoothing parameter, of a given position. Chromosomes with significantly different marker densities ($p < 0.05$) are marked with a “*”. **B** The marker density, normalized by chromosome size, before and after removing redundant markers.