



Figure S1. Using optical contigs to estimate sizes of gaps between adjacent FPC contigs. (A) Restriction map view (box = restriction fragment) of FPC contigs aligned to the AGP Chr 6 pseudomolecule; the gap is highlighted, with green lines showing the alignments of FPC contigs ctg280 and ctg281 to Chr6 pseudomolecule. A gap of unknown size is illustrated, with green lines showing alignment to the pseudomolecule. Dashed lines show alignments of ctg280 and ctg281 against OMcontig_6 (gold track) and a large gap. (C) Restriction map view of OMcontig_6, locating the large gap within the grayed restriction fragments. FPC gap sizes are calculated as:
 Gap (kb) = $\lfloor (\text{right optical coordinate}) - (\text{left optical coordinate}) \rfloor / 1000$