

**Figure S1**. Three Paxton Lake contigs contained regions that did not align in a linear fashion. These contigs caused erroneous gap closing of the v. 5 reference assembly using LR\_Gapcloser. The small regions aligning incorrectly are shown with a circle. This region was used by LR\_Gapcloser to erroneously ligate the two regions of the contig, causing a decrease in chromosome scaffold length. These three contigs were removed from the assembly.