# Additional file 4 – Positioning unpositioned contigs

## Comparative sequence analysis (CSA) vs. linkage analysis (LA)

Comparative sequence analysis (CSA) contig positions were compared with the positions predicted by linkage analysis (LA) presented in Liu et al. [19]. The table shows 130 contigs unpositioned in the genome assembly (Btau_4.0) for which contig positions from these two prediction methods are less than 5Mb apart. Contig, BTA, position given by CSA and position given by LA is presented.

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