Table S1. Chromosome locations of the markers and their allele sizes on each parent used for mapping the L-A2 locus. SSR markers were based on HDC map of Blenda et al. (2012). STS markers were designed from putative sequences based on the physical maps of *G. arboreum* (BGI-CGP assembly v2.0 (annotation v1.0), Li et al., 2014) and *G. raimondii* (JGI assembly v2.0 (annotation v2.1), Paterson et al., 2012).

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