**a**

**b**

**Additional file 15: Figure S4** The comparison of the relative expression measured by qRT-PCR and RNA-seq. 2 downregulated (*101254424* and *101265772*) and 6 upregulated (*101055518*, *101244831*, *101250361*, *101251441*, *101251744* and *108281121*) heat-tolerant genes within the major QTLs as well as 4 downregulated DEGs (*101244597*, *101245918*, *101246759* and *101249557*) of LA2093 **(a)** and LA1698 **(b)** were measured.