

**Fig. S2** BLAST and alignment results of the 1100 bp fragment. The identity and consensus positions of sequence *B. oleracea* HDEM genome scaffold C5 (LR031877.1), *B. oleracea* HDEM genome scaffold C7 (LR031876.1) and LOC101602894 (XP\_013594750.1) are labeled in yellow and blue text background respectively. Primer location including SRAP (me5f and em1r) and LOC101602894 (Loc\_f and Loc\_r) was also highlighted in red-color arrows.