



**Figure S6 Comparison of *Ac* insertion sites from standard transposition in *p1* (ATHMA *et al.* 1992) and alternative transposition in *p2* (from RET; this study).** The upper panel plots the insertions of *Ac* in *p1* by standard transposition (ATHMA *et al.* 1992) and the lower panel plots the insertions of *Ac* from RET in *P1P2* alleles. The middle panel shows the alignment of *p1* and *p2* sequences by MUSCLE with color-coded nucleotides at aligned sites by Jalview. The bracket indicates the deleted nucleotides in *p2* intron 2 compared to *p1*. The insertions from standard and alternative transposition in both *p1* and *p2* are in similar positions in conserved regions, suggesting similar insertion site preferences for both modes of transposition.