

Figure S1 Exon–intron organization of the FLZ genes of three *Brassica* species. (A) Chinese cabbage (*Brassica rapa*; Bca); (B).black mustard (*Brassica nigra*; Bni); (C) Chinese kale (*Brassica oleracea*; Bol). Green boxes indicate exons, yellow boxes indicate untranslated regions (UTRs), and gray lines indicates introns.

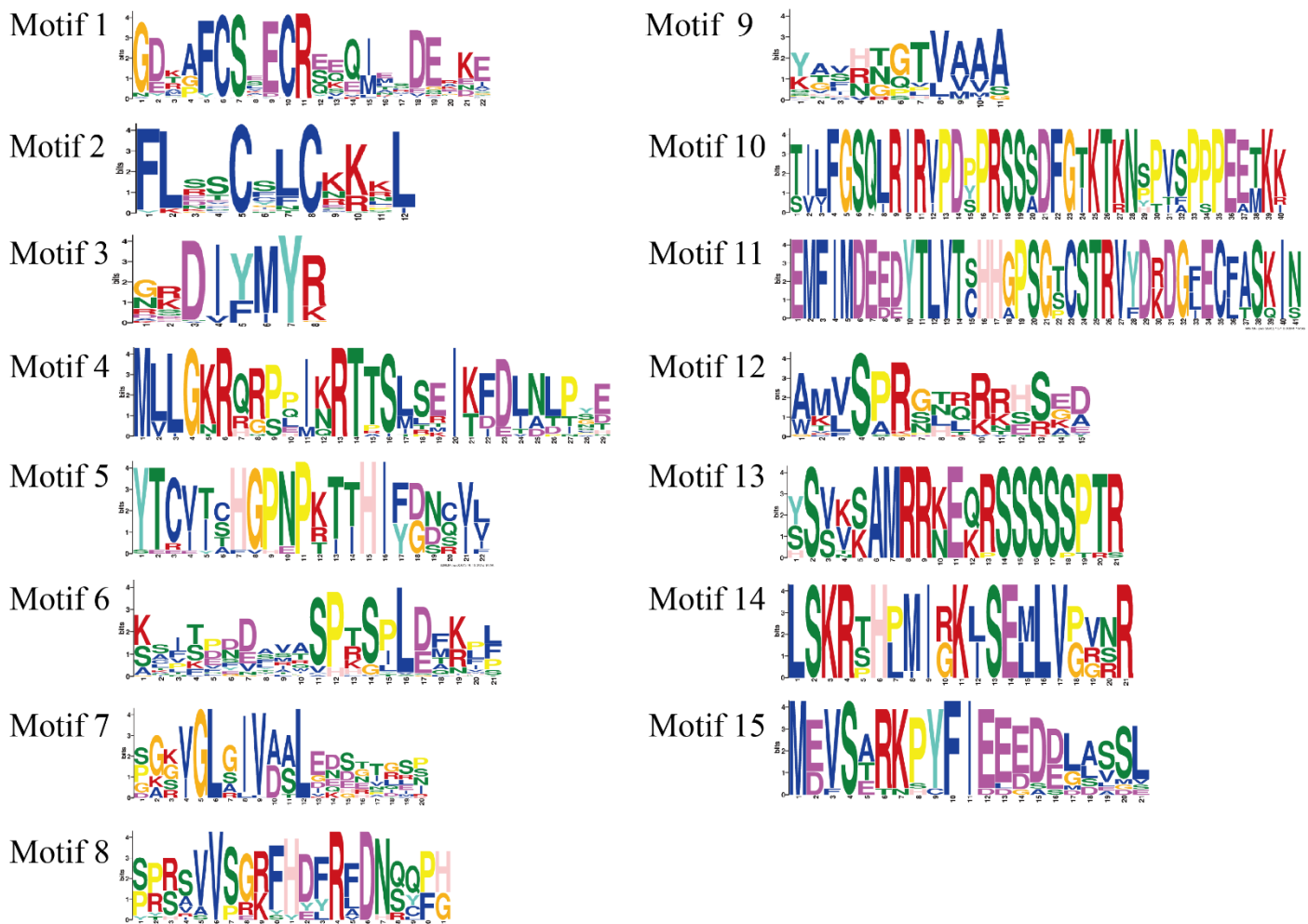


Figure S2 The fifteen conserved motif structures in three *Brassica* species. The conserved motifs were determined by MEME suite (<http://meme-suite.org/tools/meme>)

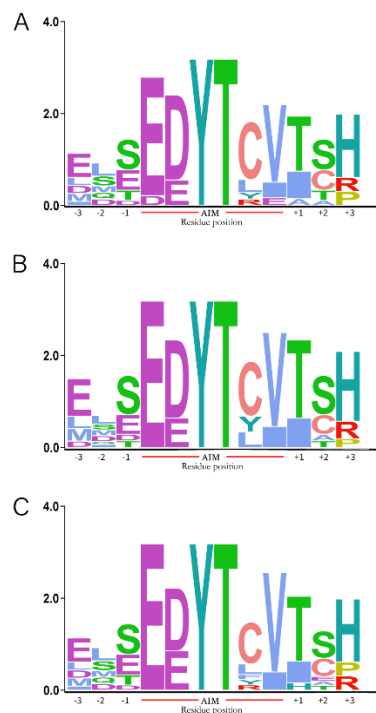


Figure S3 The FLZ-AIM motif structures in three *Brassica* species. (A) Chinese cabbage (*Brassica rapa*; Bca); (B) Black mustard (*Brassica nigra*; Bni); (C) Chinese kale (*Brassica oleracea*; Bol). The consensus FLZ-AIM sequence identified by FIMO-Motif (<https://meme-suite.org/meme/tools/fimo>).

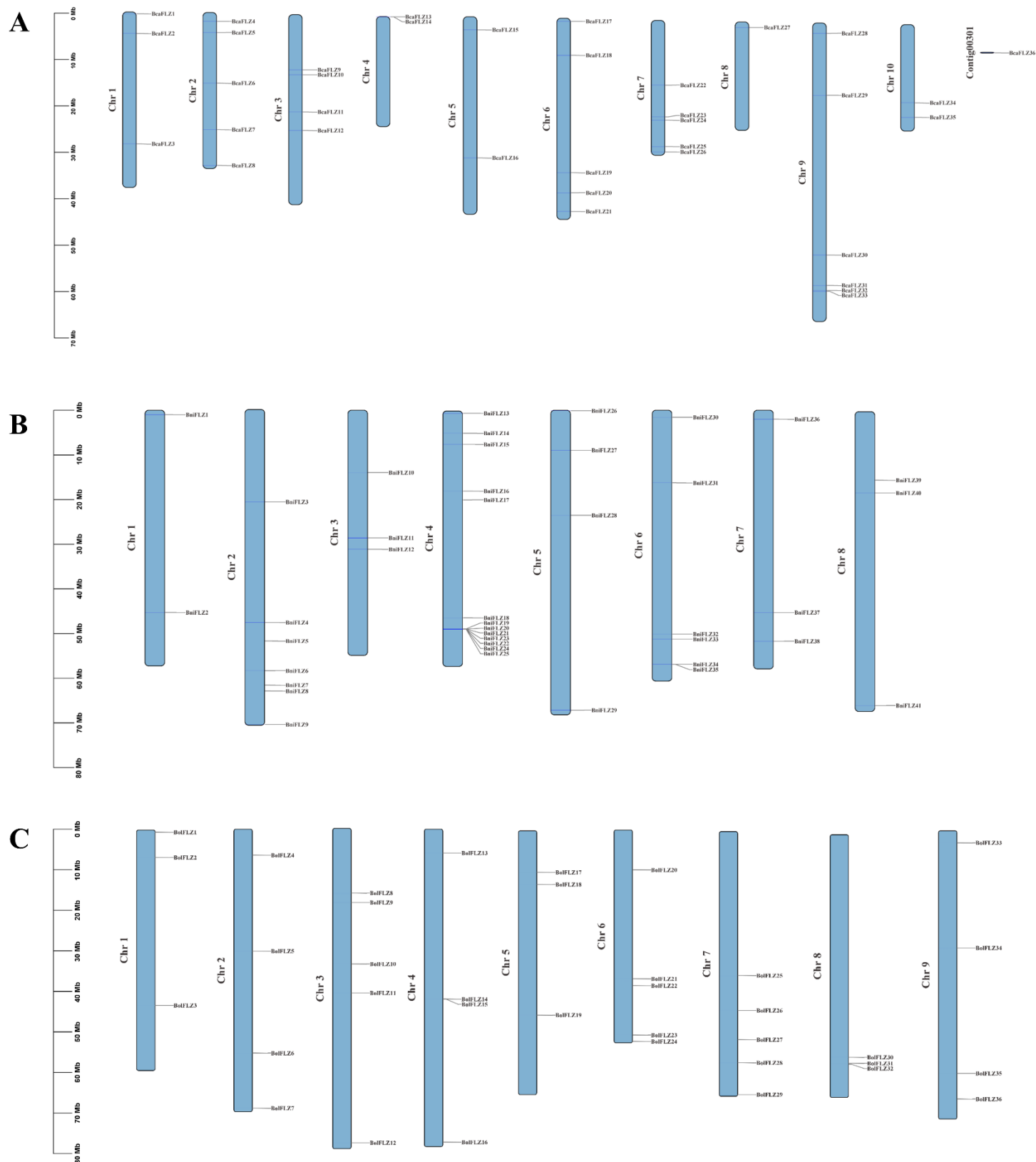


Figure S4 Chromosomal localization of the FLZ gene in three *Brassica* species. (A) *Brassica rapa* (Bca); (B) *Brassica nigra* (Bni); (C) *Brassica oleracea*; (Bol). Each gene was mapped to the chromosome based on its physical location. The chromosome number is indicated at the left.