

Supplementary Materials

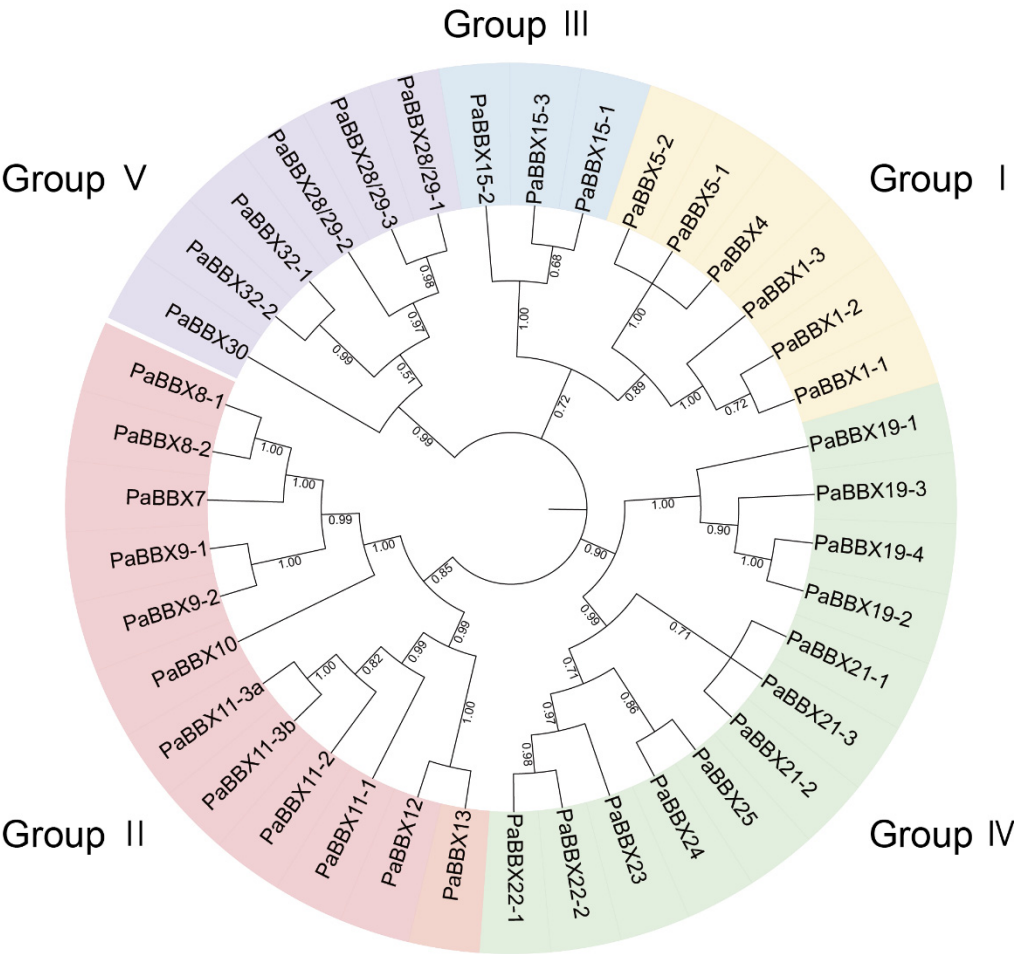


Figure S1. Phylogenetic tree of PaBBX proteins. Yellow, pink, blue, green, and purple represent groups I, II, III, IV, V, respectively.

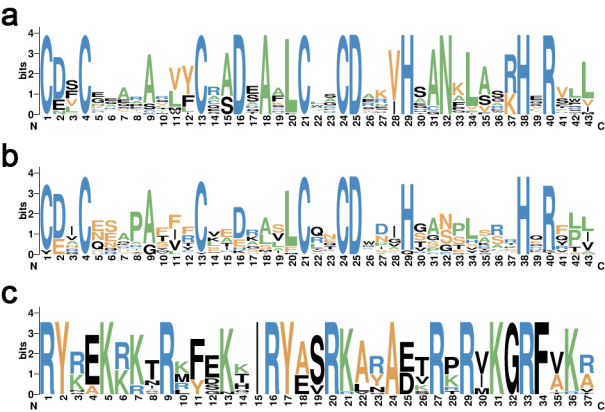


Figure S2. Logos of the conserved domains in the PaBBX proteins. (a), (b) and (c) are the protein alignment of the B-BBOX1, B-BBOX2 and CCT domain, respectively.

The x-axis shows the conserved sequences of the domain. The y-axis represents the conservation rate of each amino acid.

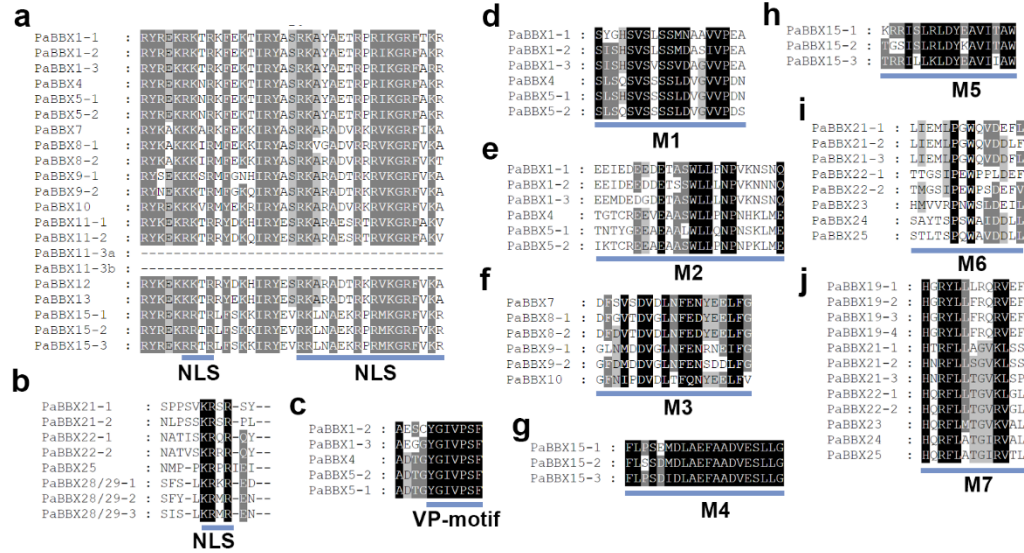


Figure S3. Multiple sequence alignments conserved domain of PaBBX proteins. **(a)** and **(b).** Alignment of the nuclear localization signals (NLSs) domain of PaBBX proteins. **(c).** Alignment of the VALINE-PROLINE (VP) domain of PaBBX proteins. **(d)-(j).** Alignment of the M1-M7 domains of PaBBX proteins. Conserved amino acids were marked with blue lines.