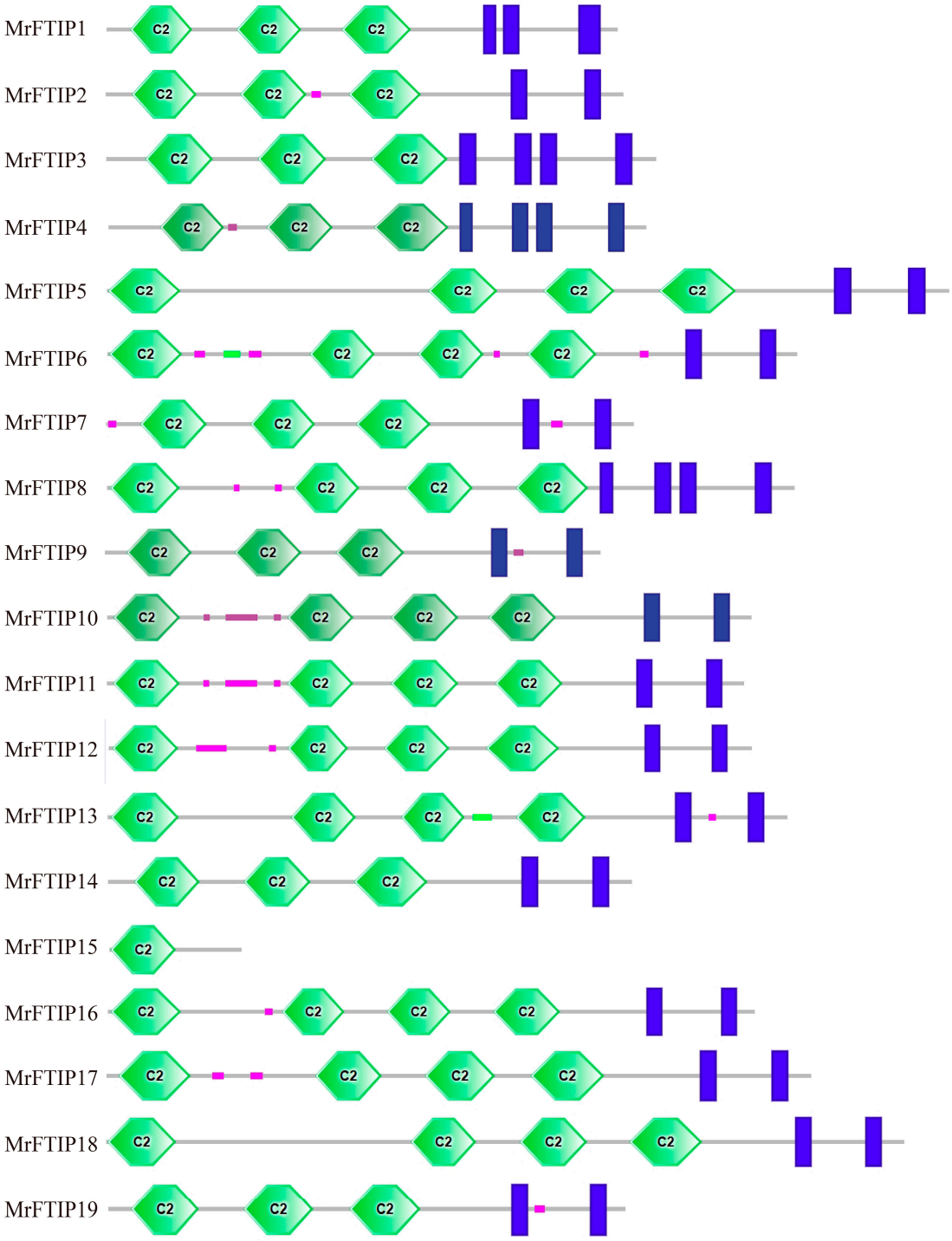


Figure S1 Protien structure analysis.

Region of low compositional complexity were marked as pink square and coiled coil region were marked as green square.

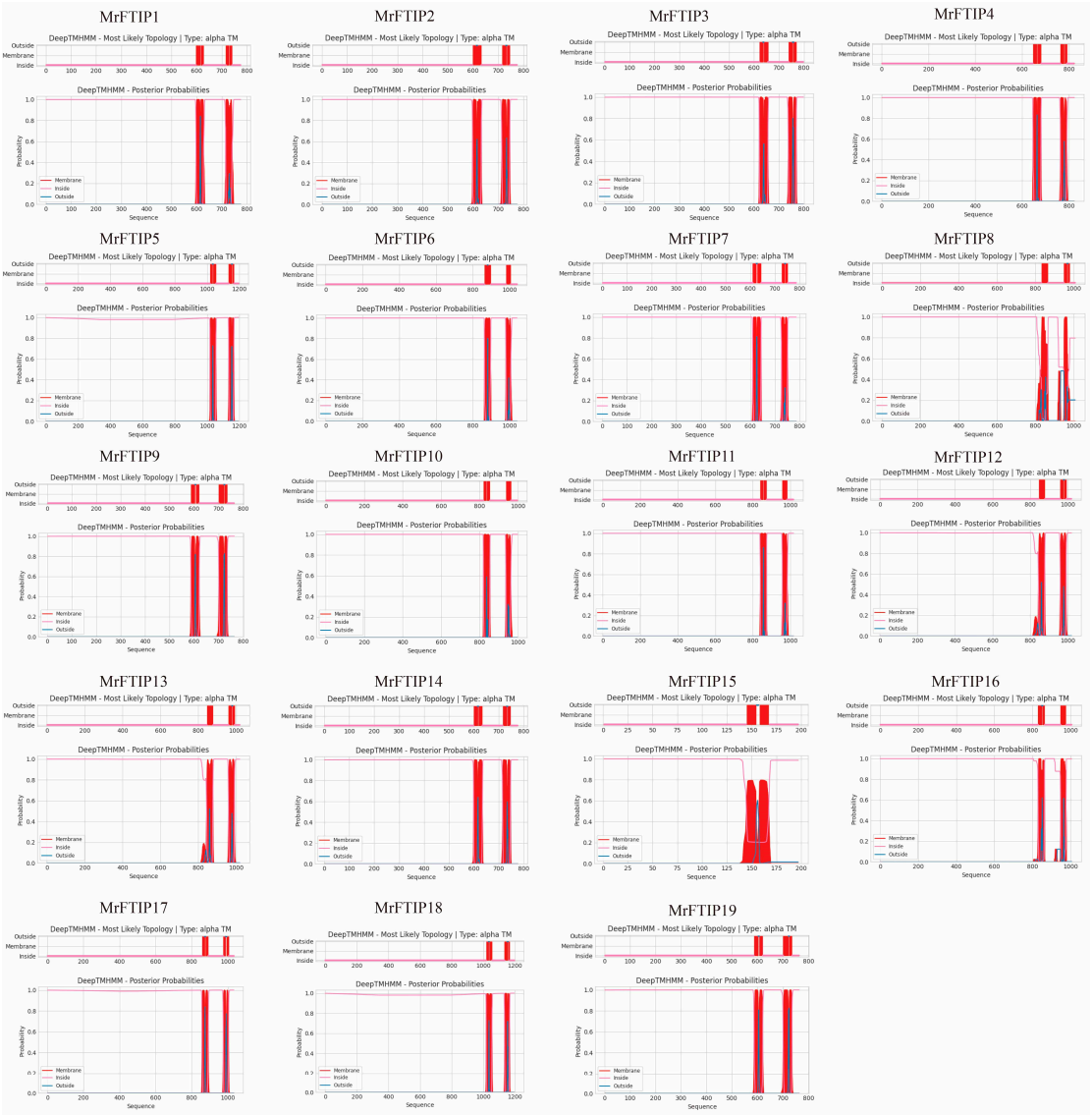


Figure S2 Protein transmembrane domain analysis.

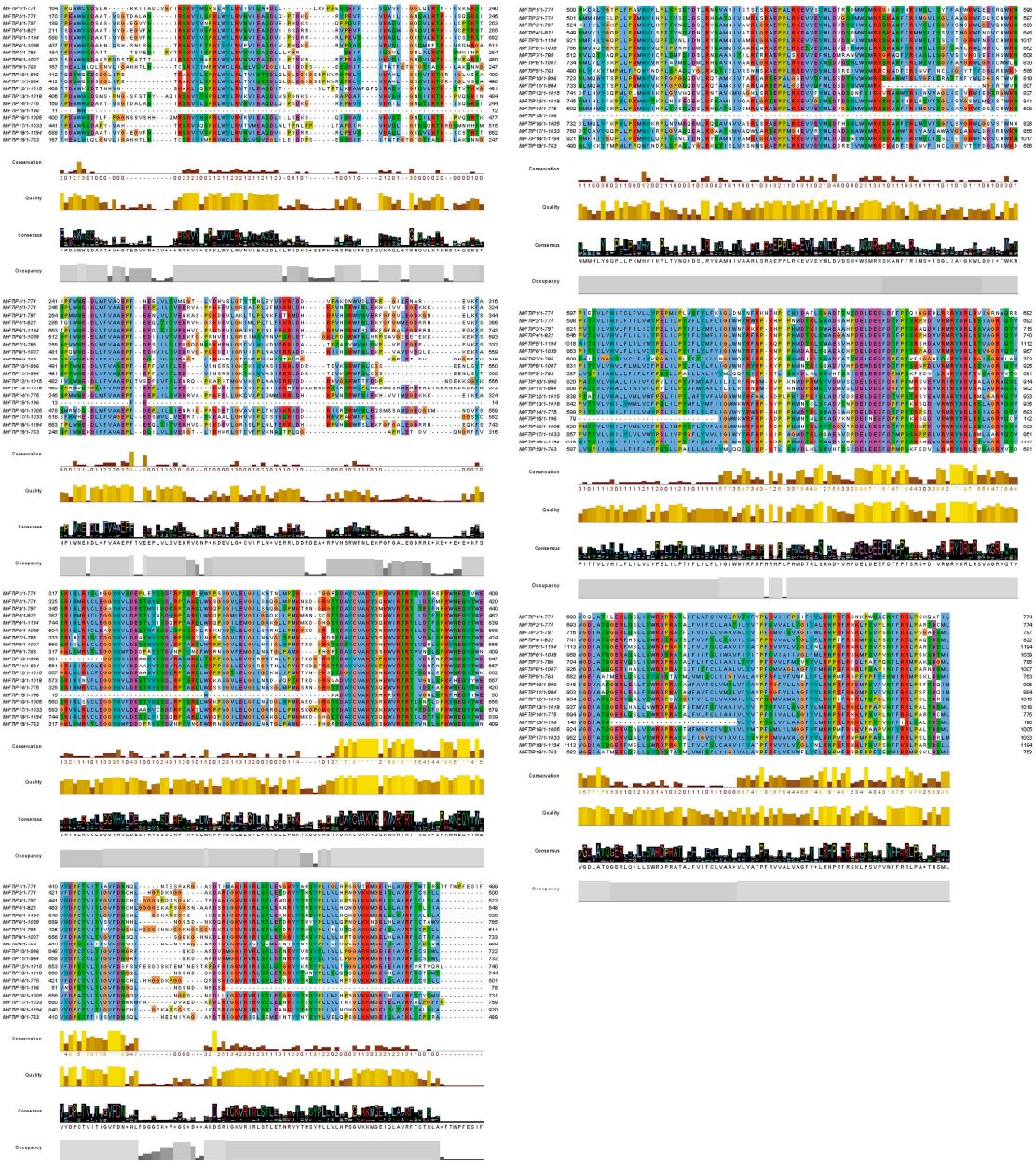
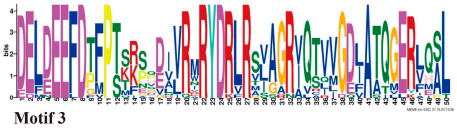


Figure S3 Protein characteristic structural domain.

Motif 1



Motif 2



Motif 3



Motif 4



Motif 5



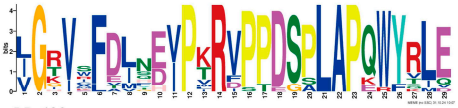
Motif 6



Motif 7



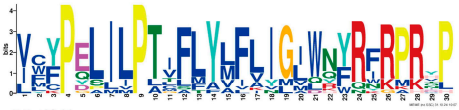
Motif 8



Motif 9



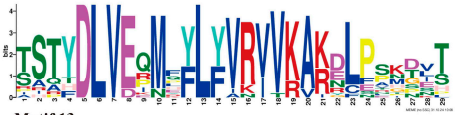
Motif 10



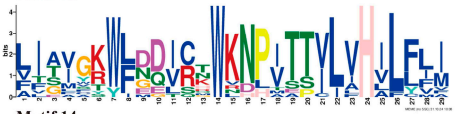
Motif 11



Motif 12



Motif 13



Motif 14



Motif 15

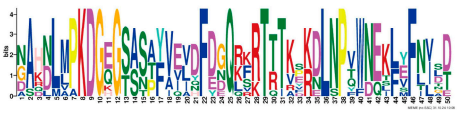


Figure S4 SeqLogo and amino acid information of 15 motifs.

The distribution of different amino acids are showed in different positions, different letters represent the corresponding amino acids, the height of the letter indicates the frequency of the amino acid in the position. The scale bar at the bottom indicates the length of the motif protein sequence.