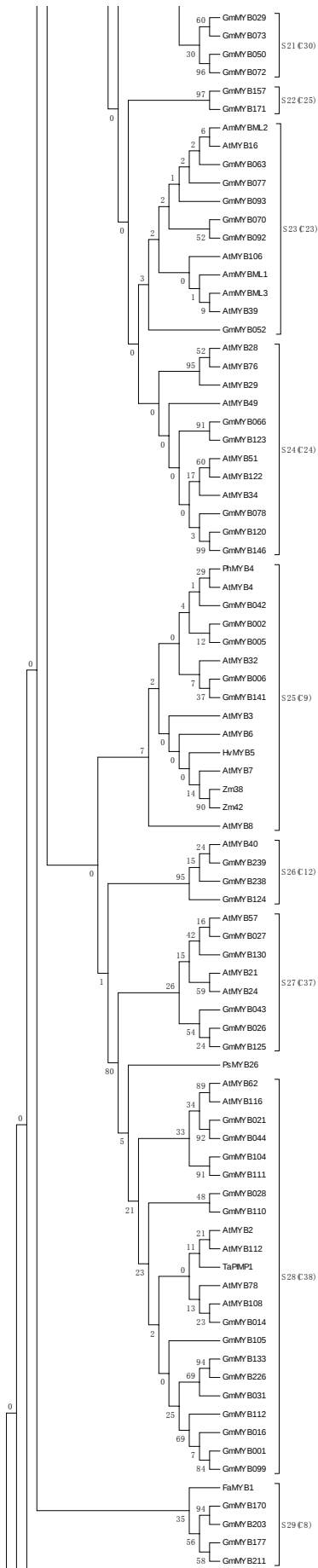
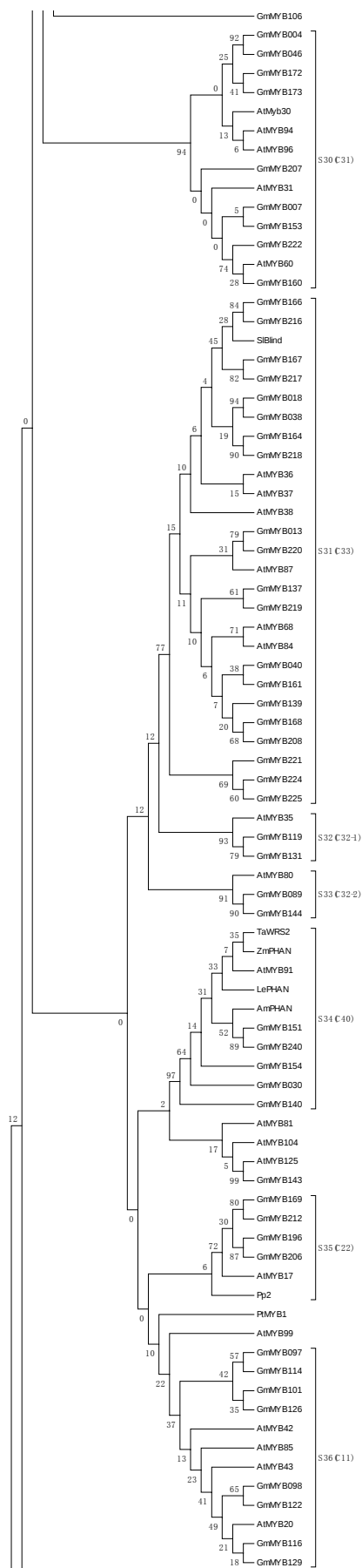
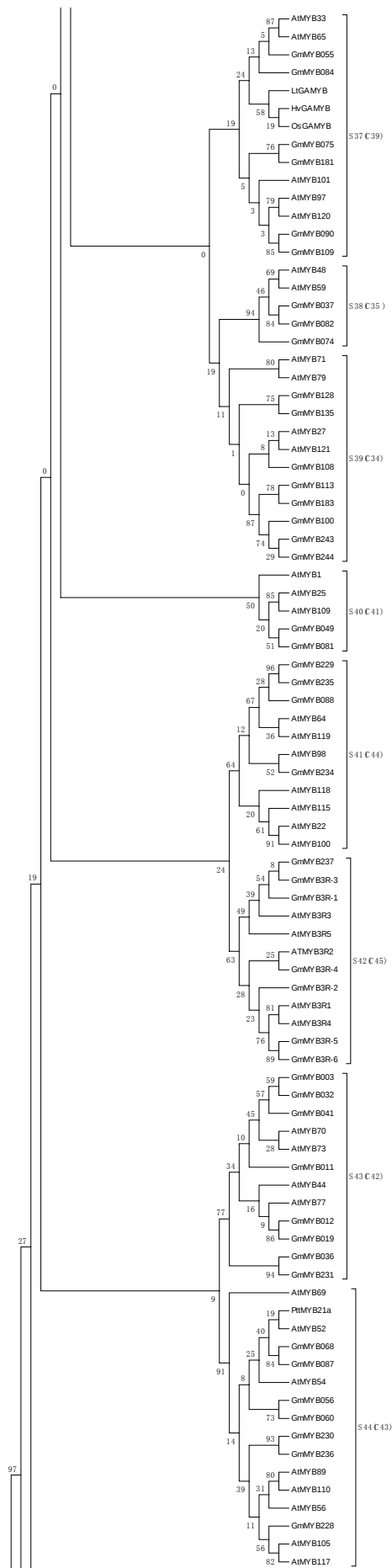
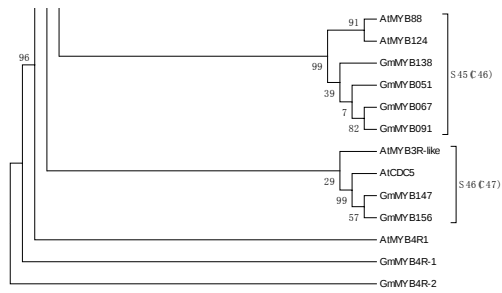










Additional file 4: MP phylogenetic tree of 387 MYB proteins in soybean and *Aribidopsis*. The unrooted tree was constructed by the max parsimony method based on the alignment of the corresponding MYB domains. Boot strapping values are indicated as percentages along the branches in MP analysis. The MYB proteins are clustered into 46 subgroups (designated as S1 to S46) and the corresponding subfamilies in NJ tree (Figure 2) were listed in round bracket, for reference.