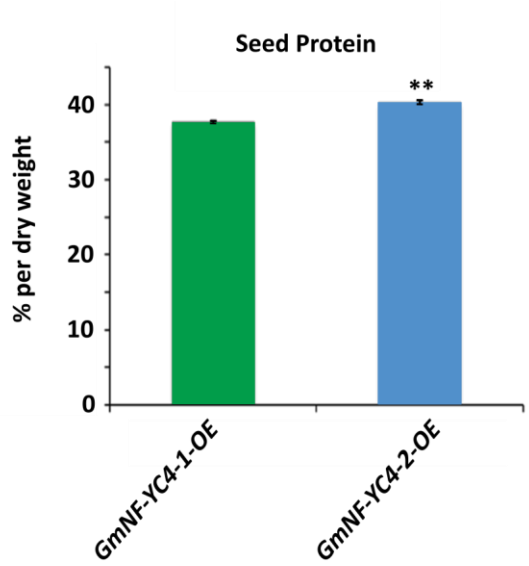


Figure S1. *GmNF-YC4-2-OE* lines had a higher seed protein content than *GmNF-YC4-1-OE* lines**.** Protein was measured by Kjeldahl method. Seeds from nine plants from three independent transformation events (three plants/event) were tested for each genotype (n = 9). All data in bar charts show mean ± SE (Standard Error). A two-tailed Student's t-test was used to compare *GmNF-YC4-1-OE* and *GmNF-YC4-2-OE*; $^{**}P < 0.01$.

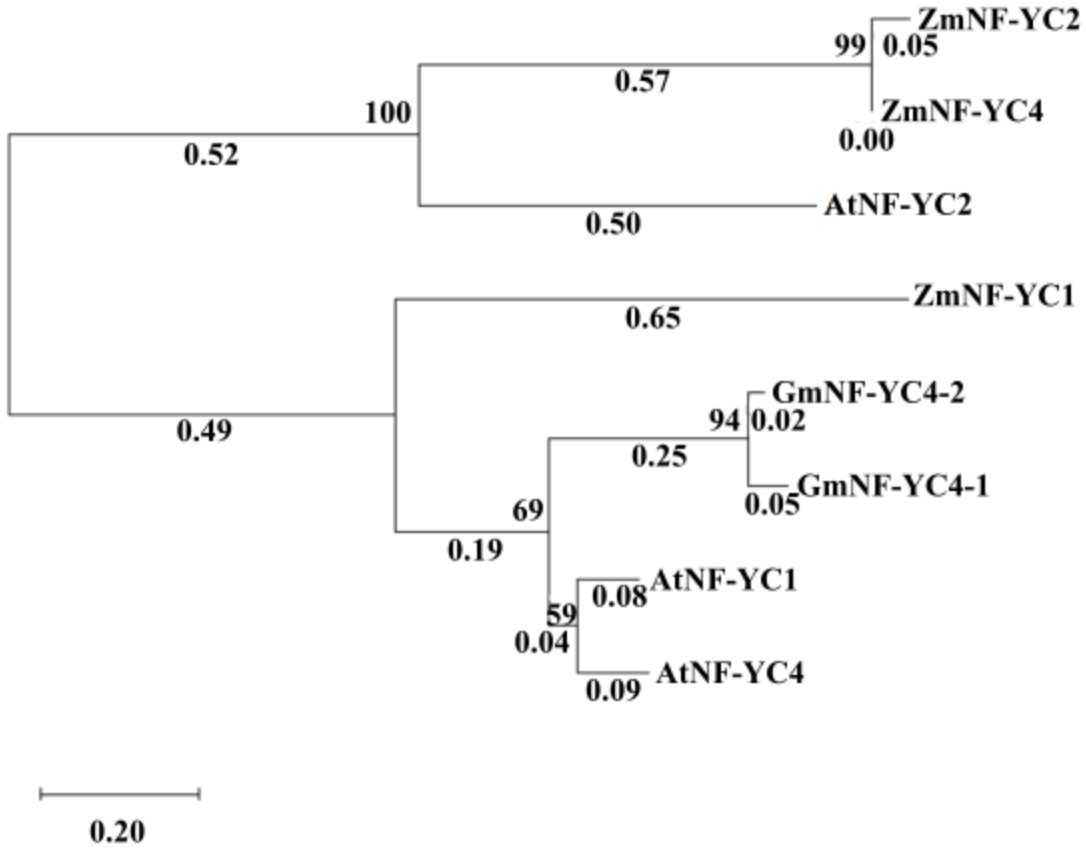


Figure S2. A maximum likelihood tree for the NF-YC family of proteins in *Arabidopsis thaliana*, *Glycine max*, and *Zea mays*. A blastn search was performed with GmNF-YC4-2 as the query and top matches from each organism were selected for the tree. Branch lengths are measured in the number of substitutions per site.