

SUPPLEMENTARY DATA

Figure S1: sequence logos and E-values for conserved signature motifs detected by the MEME program.

Motif	E-value	Sequence logo
Motif 1.1	1.6E-222	
Motif 1.2	4.2E-227	
Motif 2	8E-288	
Motif 3	4.7E-121	
Motif 4.1	4.6E-100	
Motif 4.2	1.3E-124	
Motif 5	3E-109	
Motif 6.1	3.5E-443	
Motif 6.2	7E-100	
Motif 7.1	3.9E-29	
Motif 7.2	9.5E-32	
Motif 8	2.1E-43	
Motif 9	1.4E-30	
Motif 10.1	2.3E-16	
Motif 10.2	1E-23	
Motif 11	6.5E-05	

FIG. S2. Bar charts for relative expression levels of each tomato *SIOFP* gene. All expression levels are relative to the expression of tomato *SIOFP9* in sepals. Error bars represent standard error (SE). RT: Root; LF: leaf; SP: Sepal; PT: Petal; SM: Stamens; PS: Pistil; FG: Green fruit; FR: Red mature fruit.

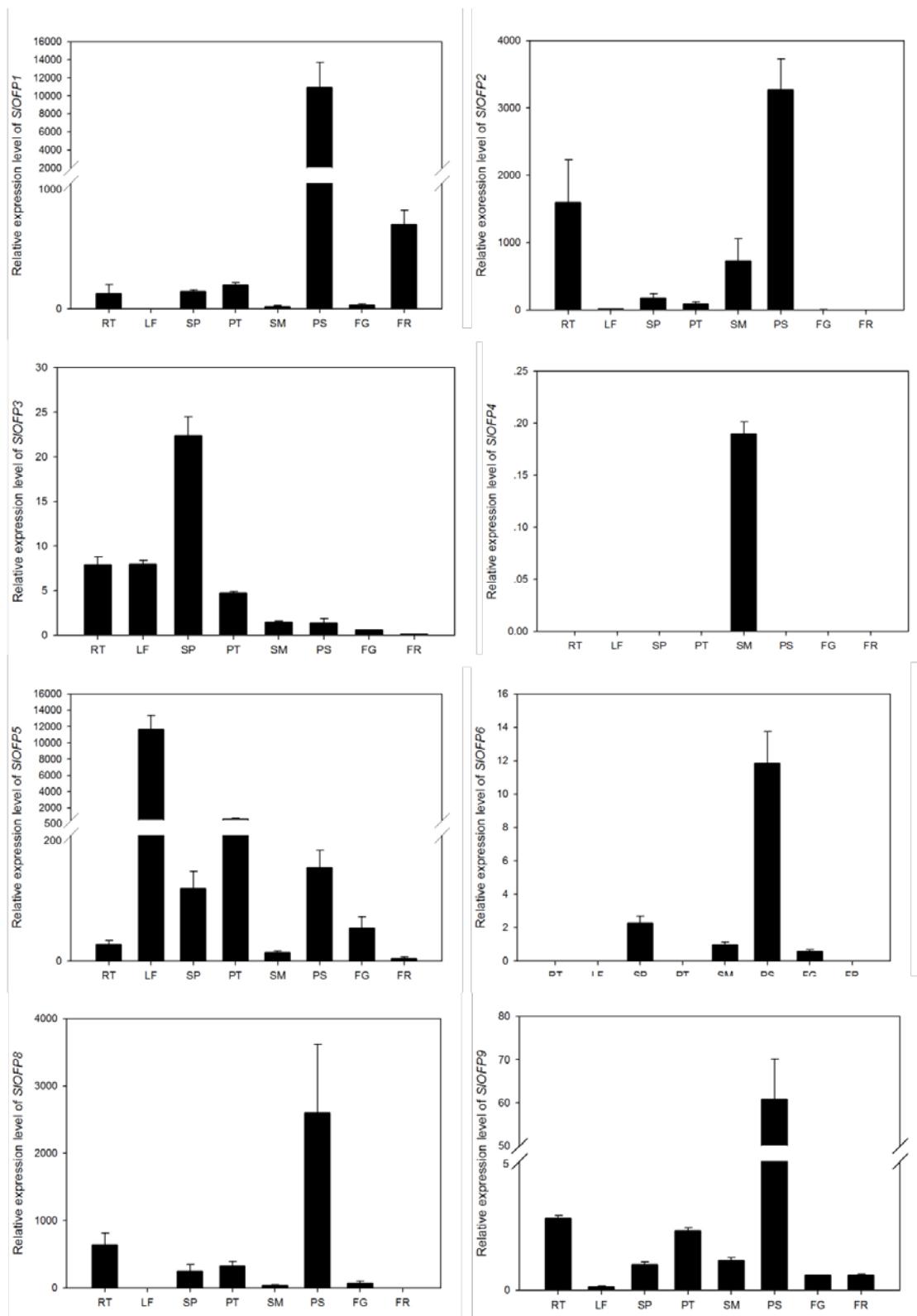


Fig. S2. continued.

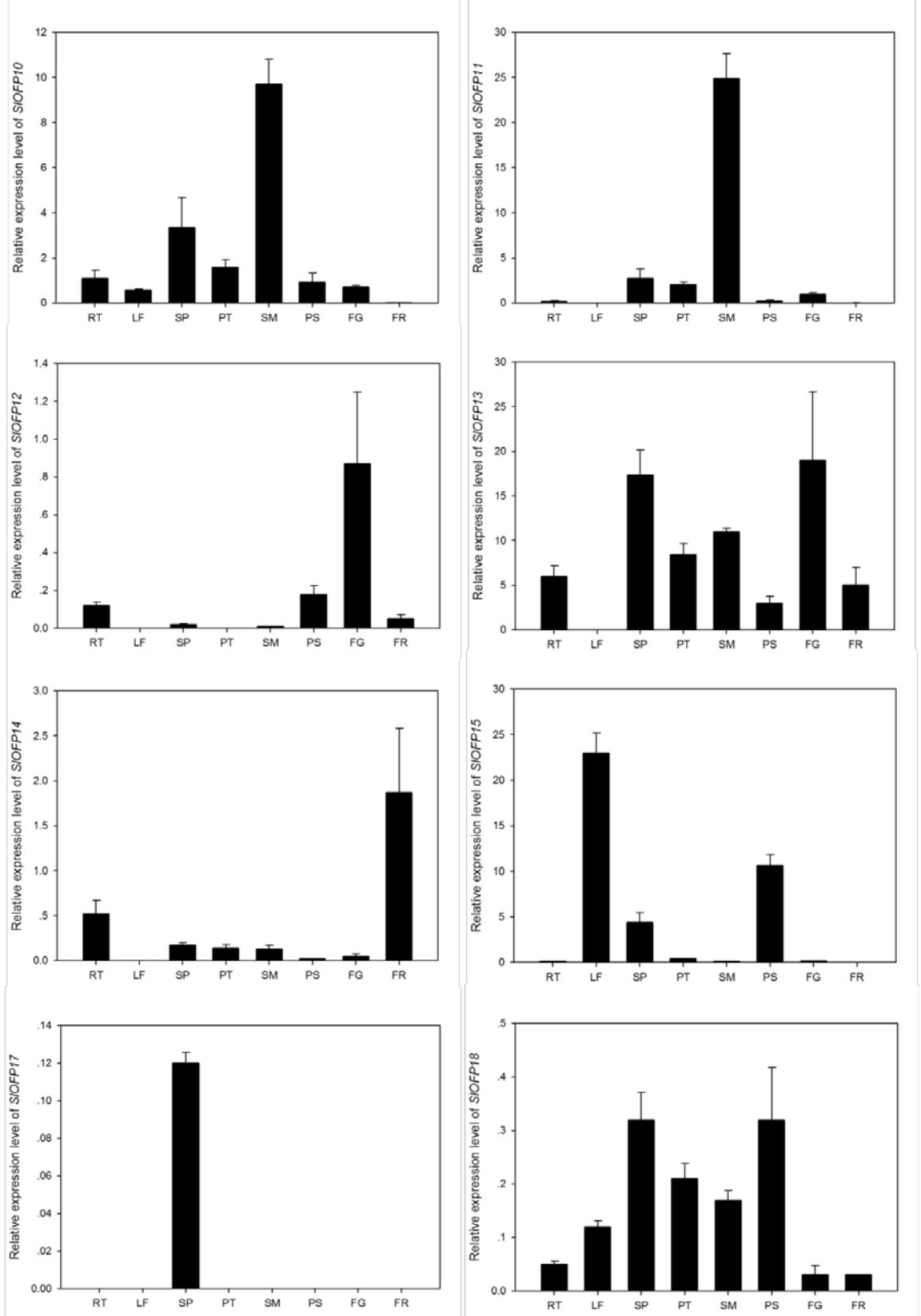


Fig. S2. continued.

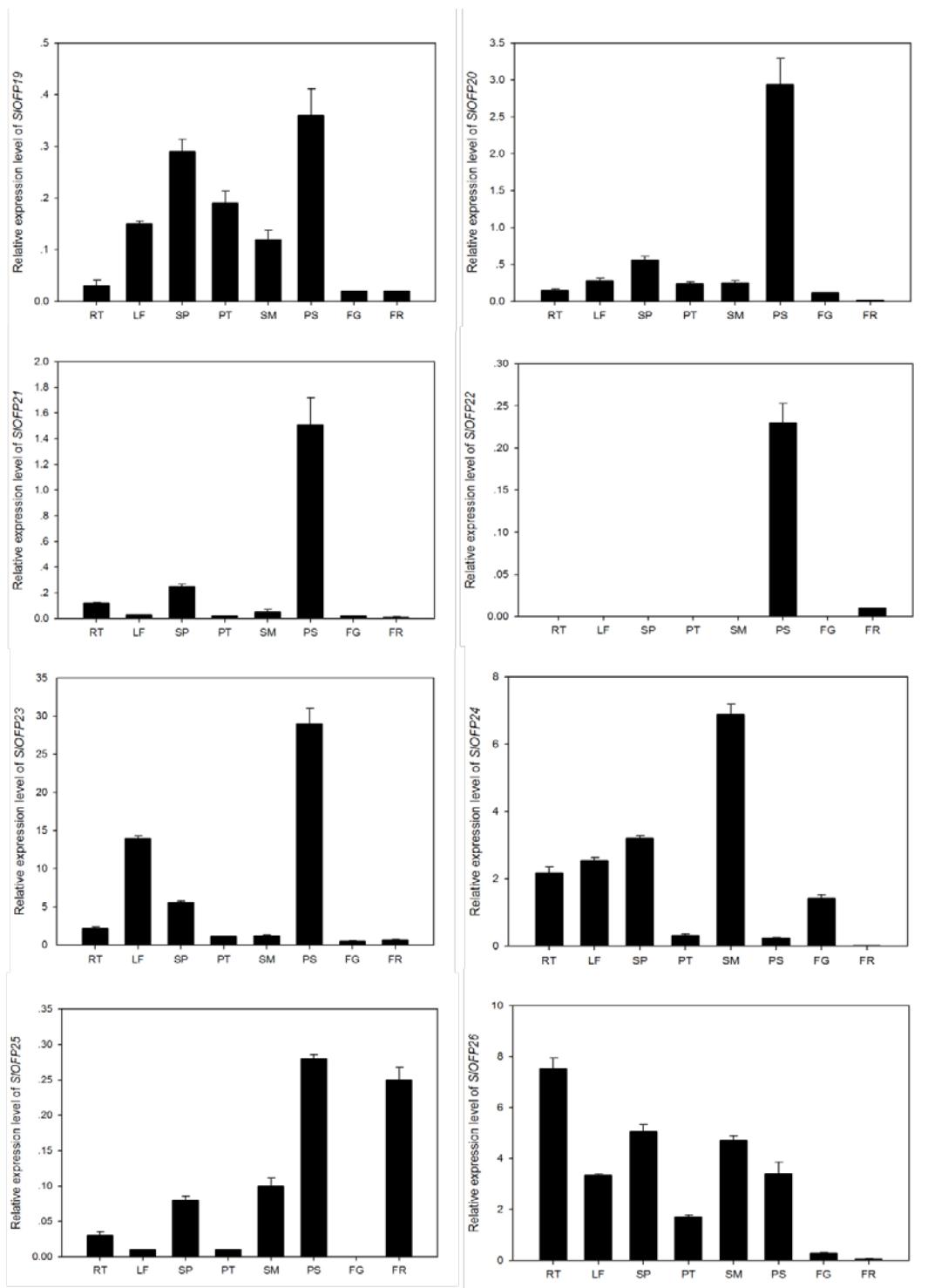


Figure S3:
dN/dS value of each branch of subgroup 1. Numbers associated with each branch are dN/dS values. The value bigger than 1 and the one between 0.3 and 1 is highlighted with red and blue, respectively.

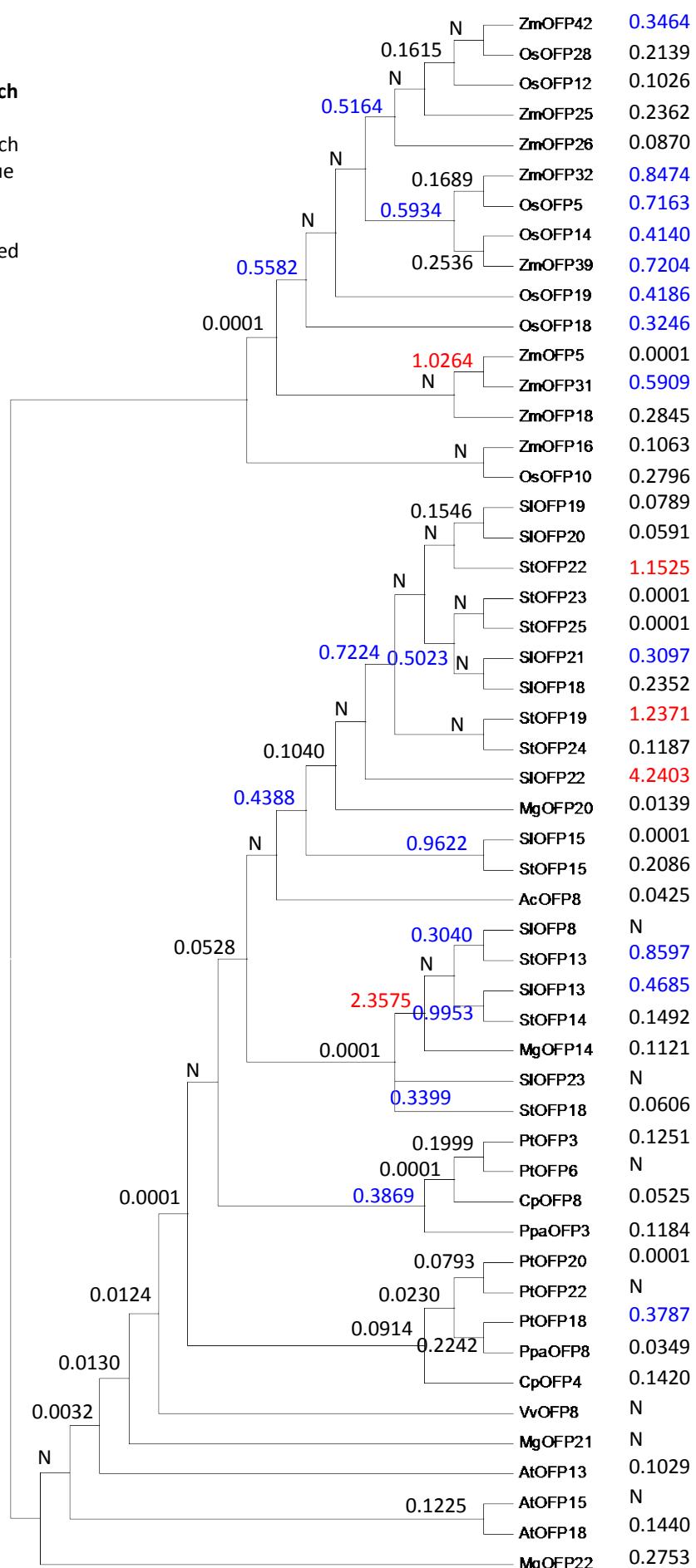


Figure S4: dN/dS value of each branch of subgroup 2. Numbers associated with each branch are dN/dS values. The value bigger than 1 and the one between 0.3 and 1 is highlighted with red and blue, respectively.

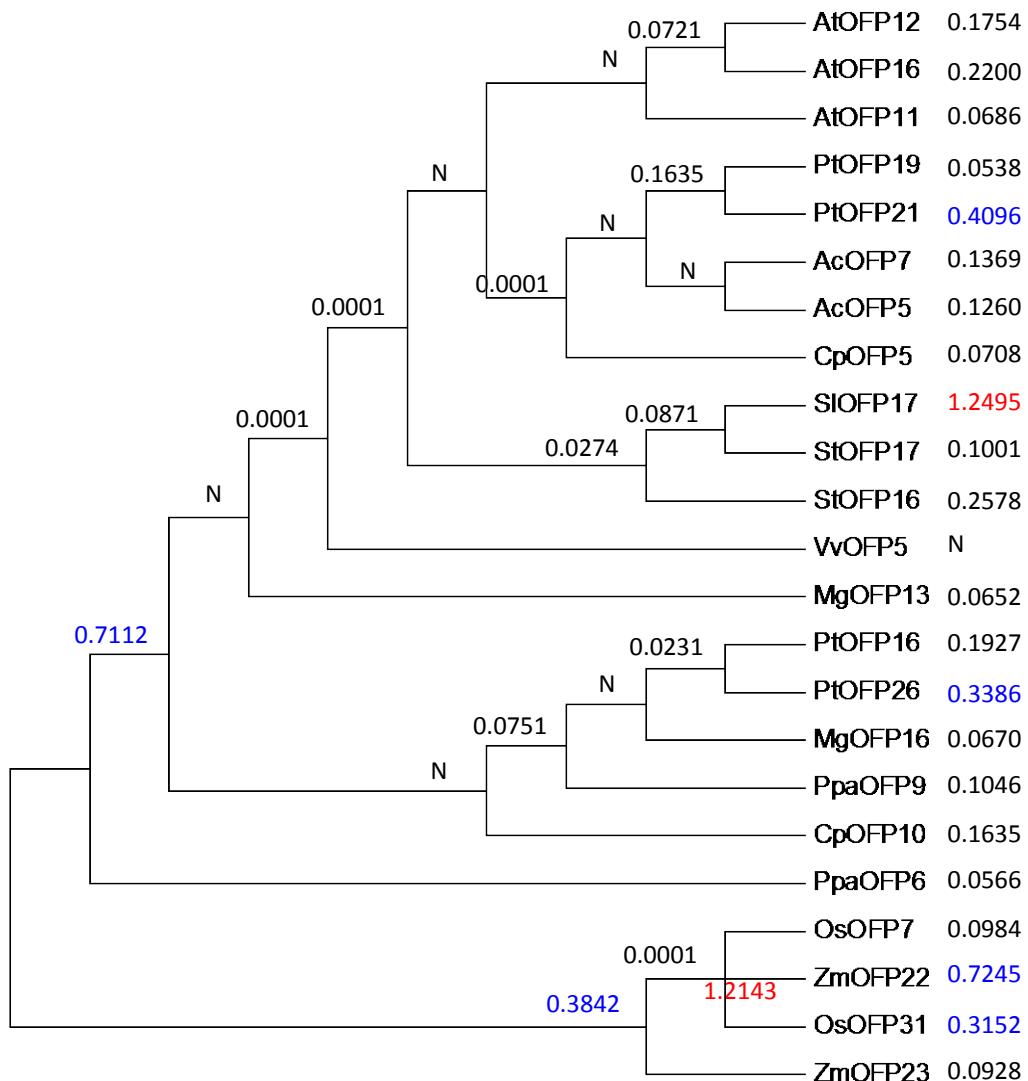


Figure S5: dN/dS value of each branch of subgroup 3. Numbers associated with each branch are dN/dS values. The value bigger than 1 and the one between 0.3 and 1 is highlighted with red and blue, respectively.

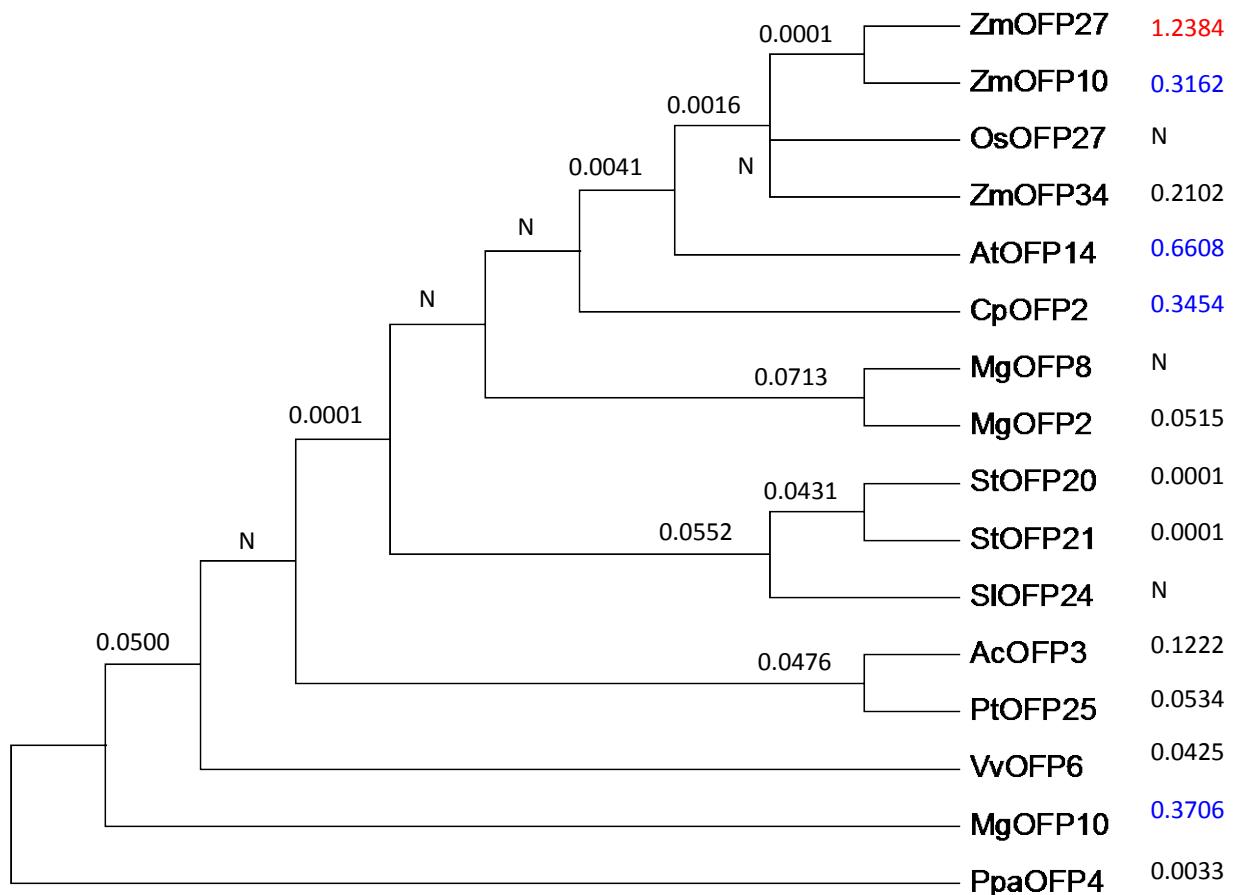


Figure S6:

dN/dS value of each branch of subgroup 4. Numbers associated with each branch are dN/dS values. The value bigger than 1 and the one between 0.3 and 1 is highlighted with red and blue, respectively.

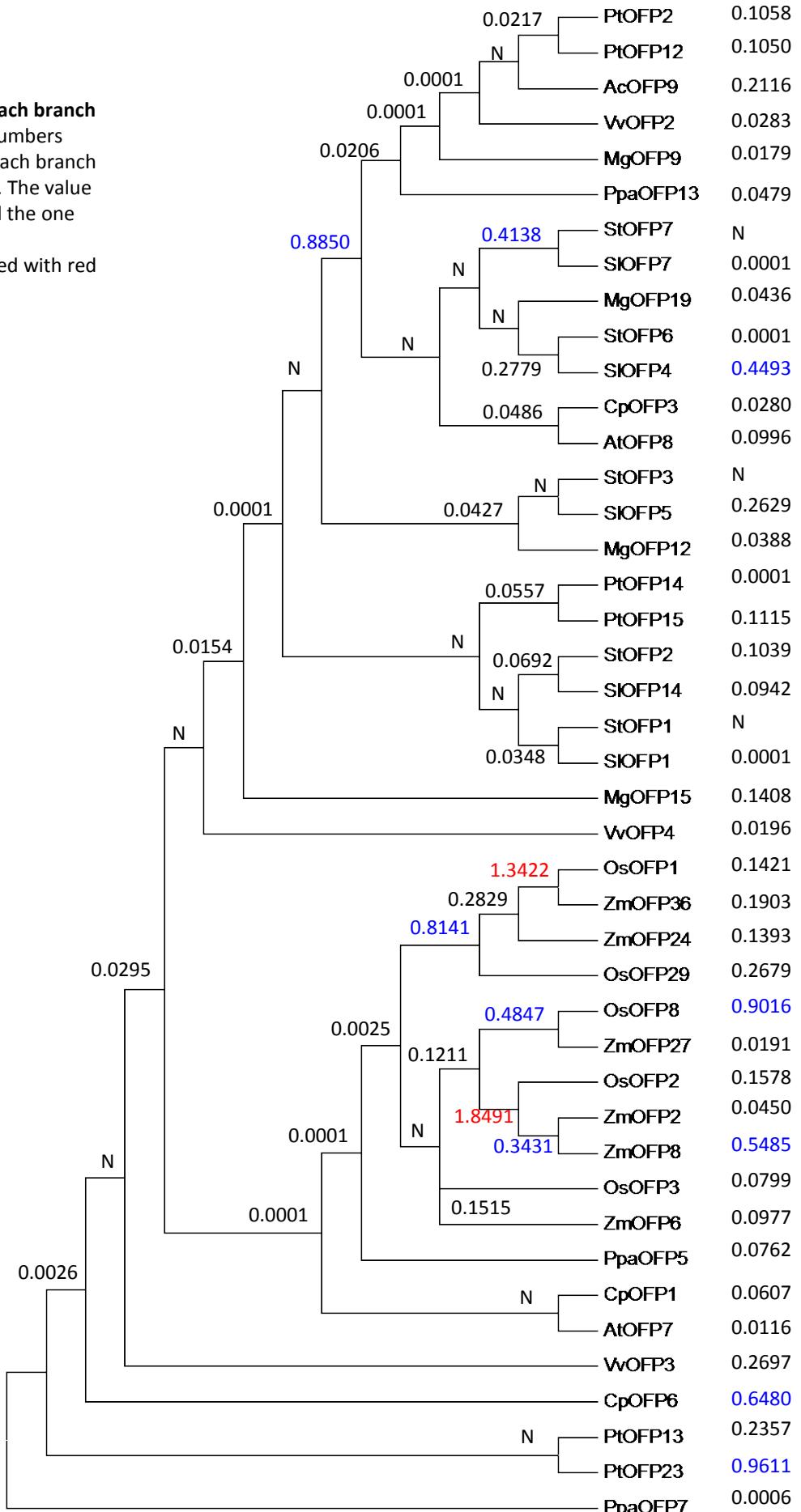


Figure S7:
dN/dS value of each branch of subgroup 5. Numbers associated with each branch are dN/dS values. The value bigger than 1 and the one between 0.3 and 1 is highlighted with red and blue, respectively.

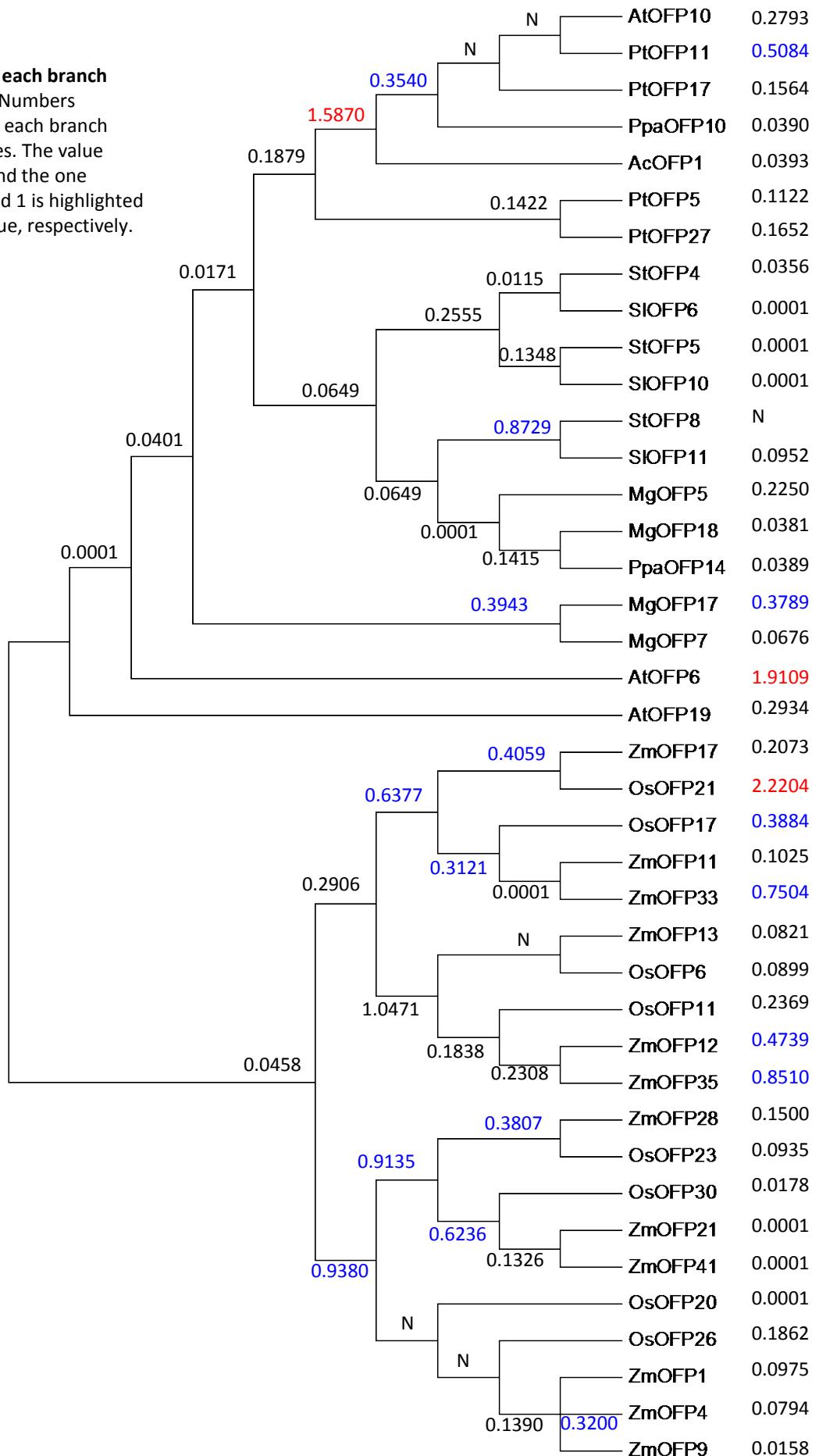


Figure S8: dN/dS value of each branch of subgroup 6. Numbers associated with each branch are dN/dS values. The value bigger than 1 and the one between 0.3 and 1 is highlighted with red and blue, respectively.

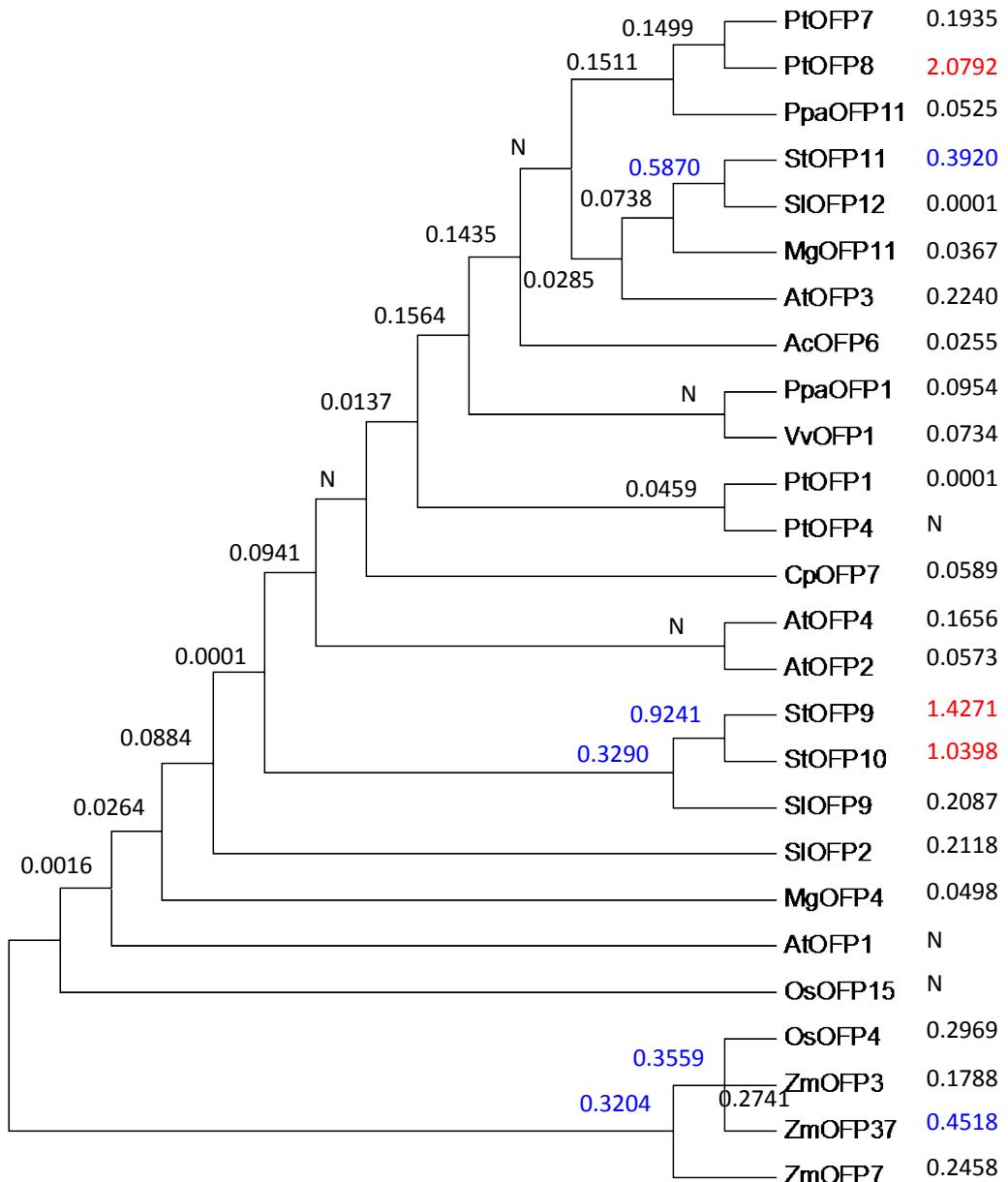


Figure S9: dN/dS value of each branch of subgroup 7. Numbers associated with each branch are dN/dS values. The value between 0.3 and 1 is highlighted with blue.

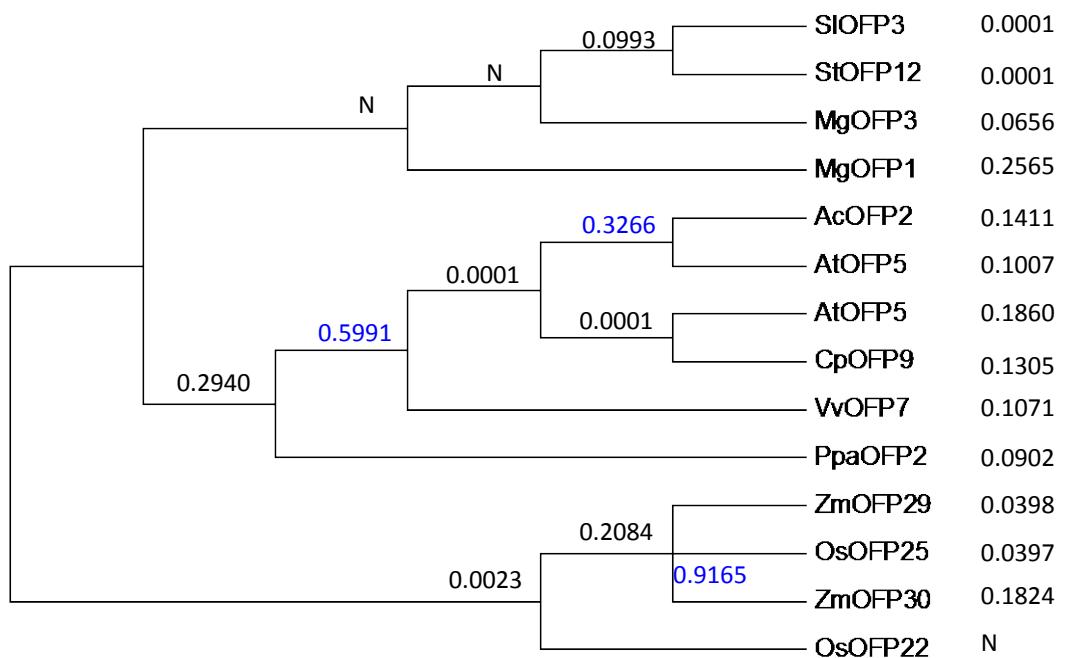


Figure S10: dN/dS value of each branch of subgroup 8. Numbers associated with each branch are dN/dS values. The value between 0.3 and 1 is highlighted with blue.

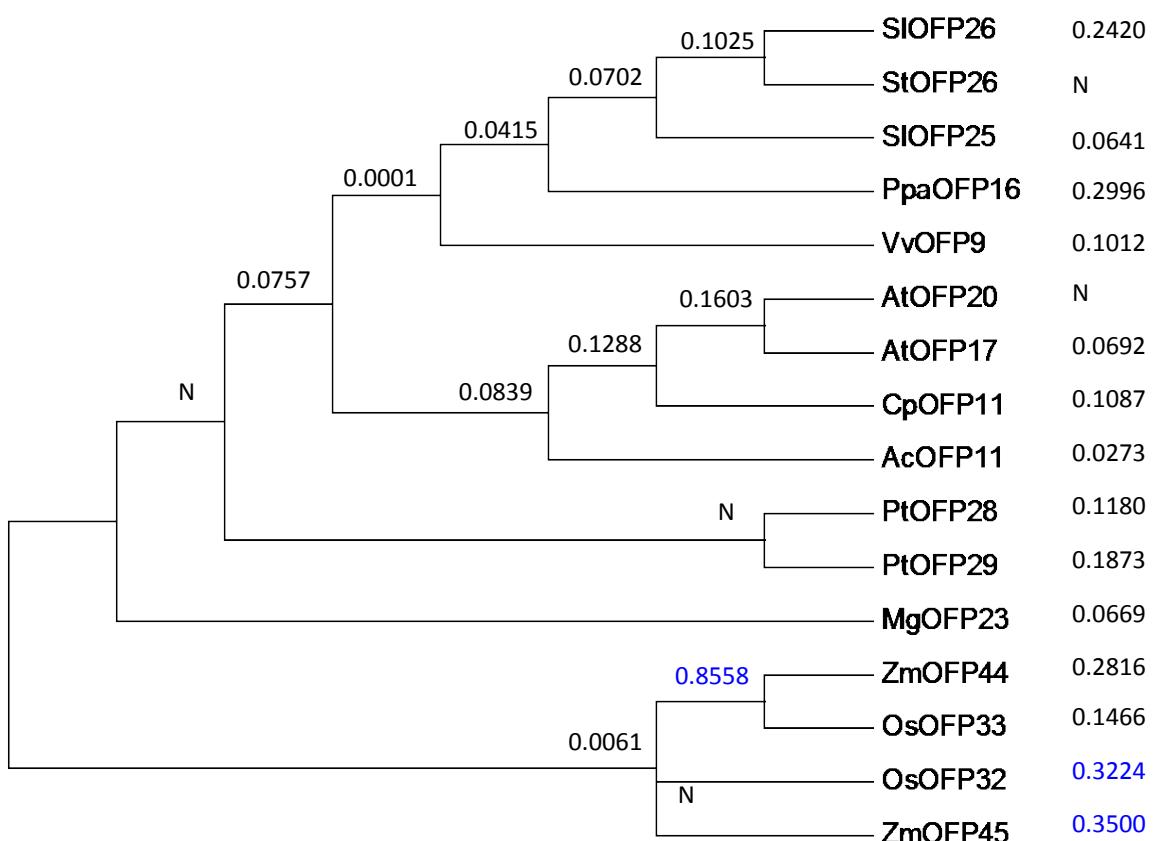


Figure S11: dN/dS value of each branch of subgroup 9. Numbers associated with each branch are dN/dS values.

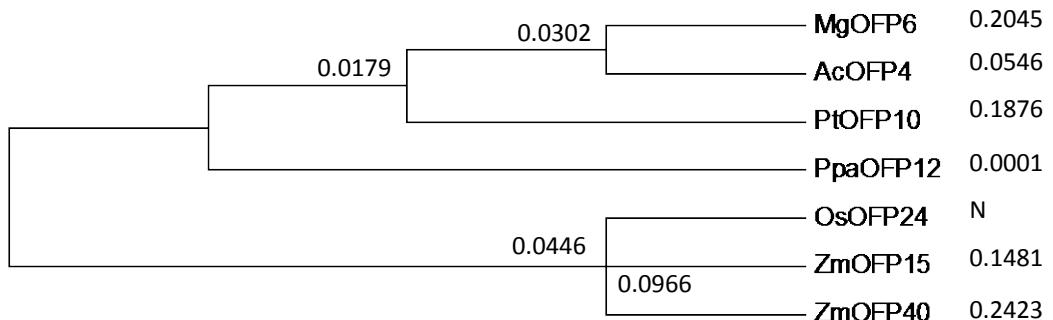


Figure S12: dN/dS value of each branch of subgroup 10. Numbers associated with each branch are dN/dS values. The value between 0.3 and 1 is highlighted with blue.

