

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Phylogenetic tree of OMT proteins from *S. glabra*, *C.spicatus*, *C. sessilifolius*, *E. senticosus*, *A. annua*, *A. thaliana*, and *M. notabilis*.

File Name: Supplementary Data 2

Description: Alignment of amino acid sequences of 12 proteins from different species.

File Name: Supplementary Data 3

Description: Primers used for site-directed mutagenesis in the present study.