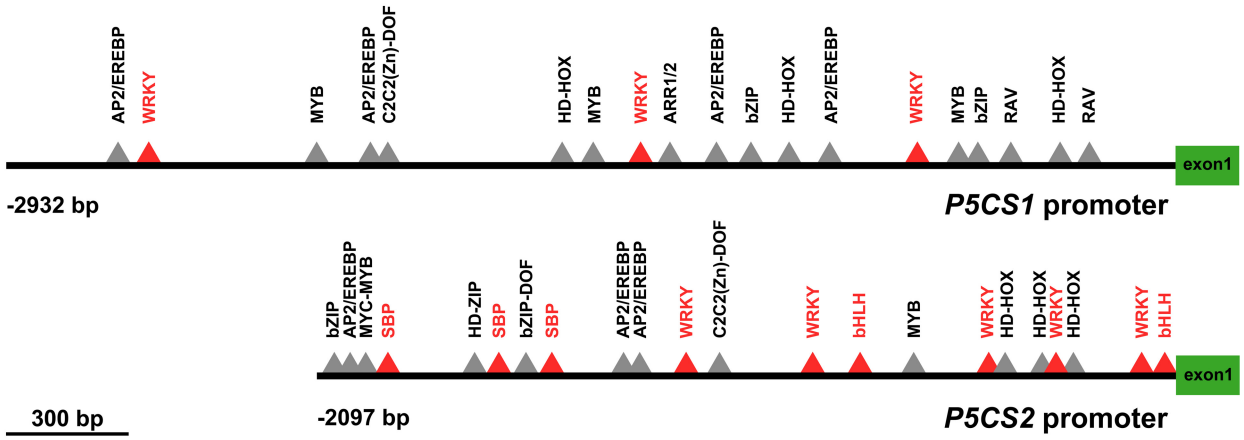

Additional file 2:

Figure S2. Predicted *cis*-regulatory elements in the promoters of *P5CS1* and *P5CS2.*

Schematic map outlining the main putative binding sites for transcription factors derived from a PlantPAN2 (http://plantpan2.itps.ncku.edu.tw) and PLACE (http://www.dna.affrc.go.jp/PLACE/) *in silico* analysis of *P5CS1* (*At2g39800*) and *P5CS2* (*At3g55610*) promoters. The promoter analysis was carried out on 2932 bp and 2097 bp upstream of the start codons of either *P5CS1* or *P5CS2*, respectively. Putative cis-regulatory elements corresponding to binding motifs of transcription factors related to pollen development and fertility (SBP, bHLH, WRKY; GO terms “associated with pollen development” [GO:0009555], “pollen tube growth” [GO:0009860], “anther development” [GO:00048643] and “double fertilization forming a zygote and endosperm” [GO:0009567]) are significantly enriched and highlighted in red.