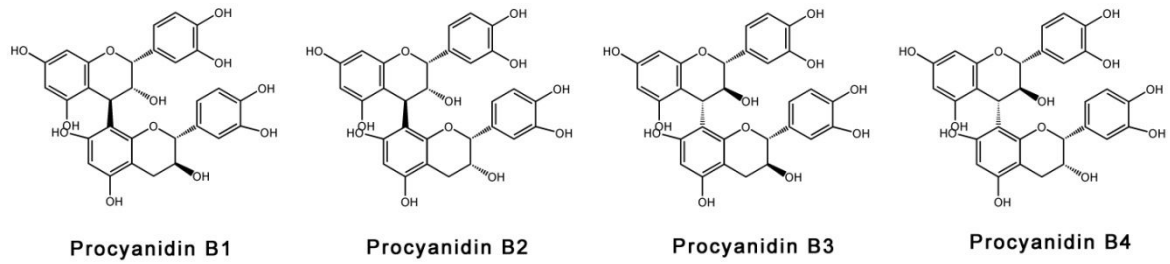


**Supplementary Fig. S1** The structures of B-type procyanidin B1, B2, B3, and B4.



**Supplementary Fig. S2** Expression levels of structural genes involved in PAs biosynthesis in three independent transgenic *CsMYB5b* tobacco lines. All the values are the means of three biological replicates, and the error bars represent the standard deviation of three replicates. The asterisks indicate the significant level ( $n=3$ ,  $*P < 0.05$ ,  $**P < 0.01$ ,  $***P < 0.001$ ) based on a Tukey's honestly significant difference test.

