Supplementary Table 1. Specific primer sequences used in this study.

PRIMER	SOURCE
pColdProS2_PcApiT_F CCATCCATATGGAATCCAAAATGCGTGTC	This paper
pColdProS2_PcApiT_R CCATCTCTAGATTATCCCTGGACCACGTA	This paper
pET28b_PcGlcT_F GGAATTCCATATGATGGAACTGAATAGTTCAAGCTGC	This paper
pET28b_PcGlcT_R CCGCTCGAGTTACTCTTTCCATTTCGTGATCAG	This paper
qPCR_PcApiT_F ATCTTCGGTGGTGTTGGTGTGCTT	This paper
qPCR_PcApiT_R GGATTCTTCTTTCTCTCTTTGCGG	This paper
qPCR_PcGlcT_F CCAGATGCCCCCACTCCT	This paper
qPCR_PcGlcT_R TTCTCCGAAAGCCCCCAA	This paper
qPCR_ EF-1α_F AGGCTCTTCAGGAGGCTCTTC	[57]
qPCR_ EF-1α CAATGTGACAGGTGTGGCAATC	[57]
qPCR_ PcFNSI_F GCCTGCTGAGGAAAAACTTG	This paper
qPCR_ PcFNSI_R AACTCACGCCAATCCATAGC	This paper
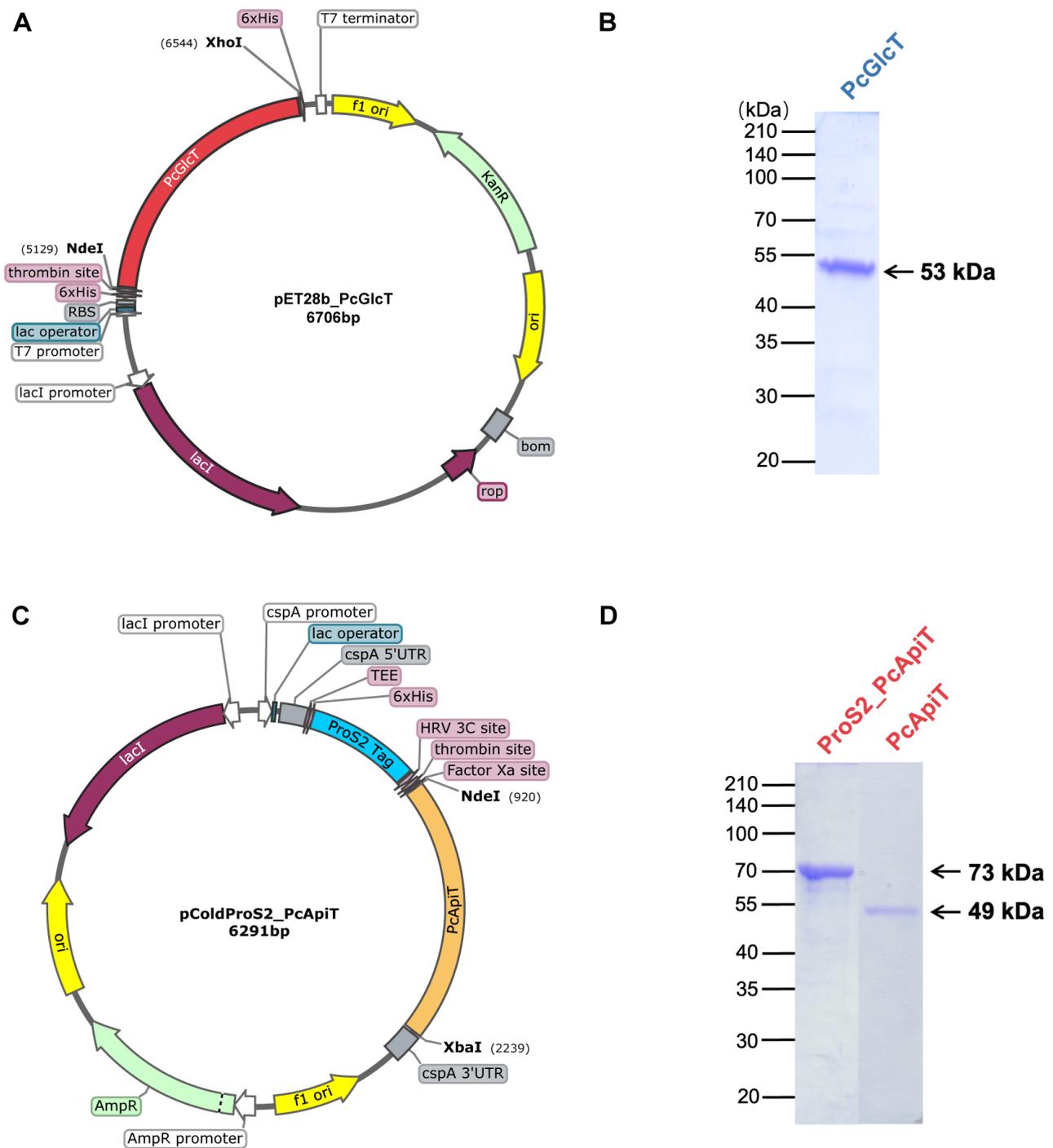
Supplementary Figure 1: Vector constructs and the purified recombinant PcGlcT and PcApiT. (A) Schematic diagram of the vector construct for expression of recombinant PcGlcT. (B) SDS–PAGE of the purified recombinant PcGlcT (indicated by an arrow). (C) Schematic diagram of the vector construct for expression of recombinant PcApiT. (D) SDS-PAGE of the purified recombinant PcApiT (indicated by arrows).

Supplementary Figure 2. Multiple sequence alignment of PcGlcT and PcApiT with known related glycosyltransferases. (A) Multiple amino acid sequence alignment of PcGlcT with other flavone glucosyltransferases. These UDP-sugar glycosyltransferases (UGTs) from different UGT families, are glucosyltransferases or exhibit catalytic activity toward apigenin. (B) Amino acid sequence alignment between PcApiT, AgApiT, and GuApiGT. The label section shows the signature PSPG and GSS motifs of plant UGTs. The residues denoted with the star symbol were predicted to be apiose recognition sites for AgApiT.
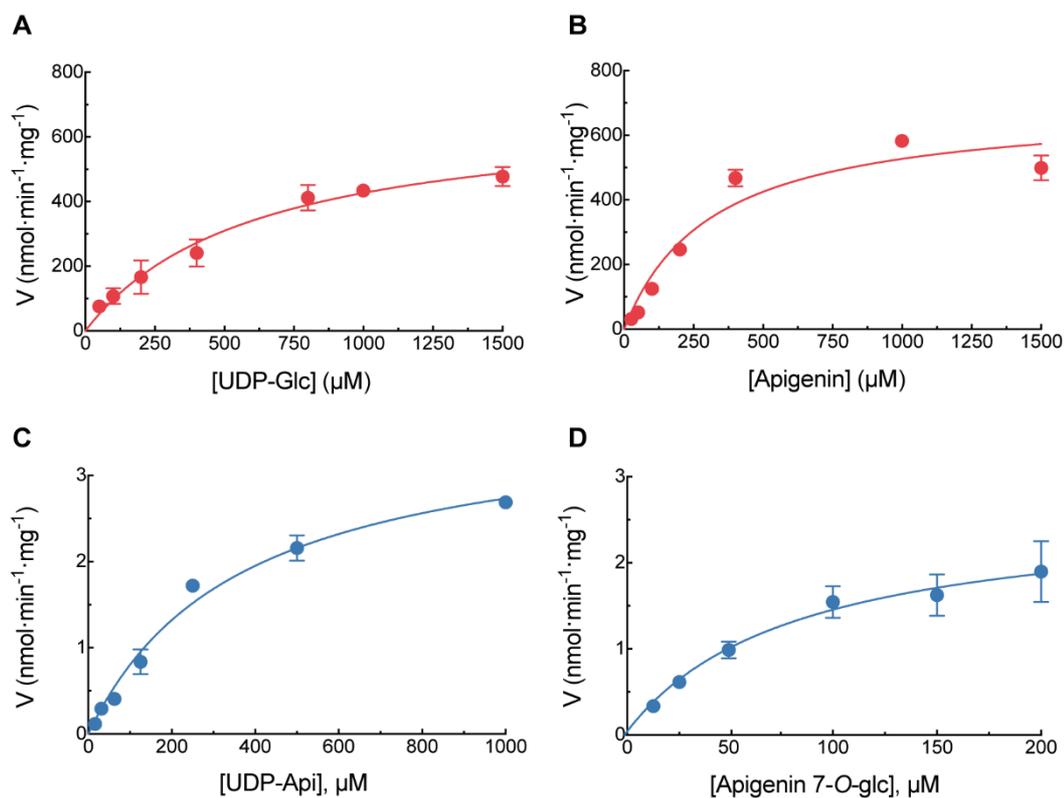
Supplementary Figure 3: Kinetic parameters for PcGlcT and PcApiT. (A) Michaelis–Menten plots of PcGlcT for UDP-Glc and (B) apigenin. (C) Michaelis–Menten plots of PcApiT for UDP-Api and (D) apigenin 7-*O*-glucoside. Each bar represents the mean values and standard deviations of three independent samples.