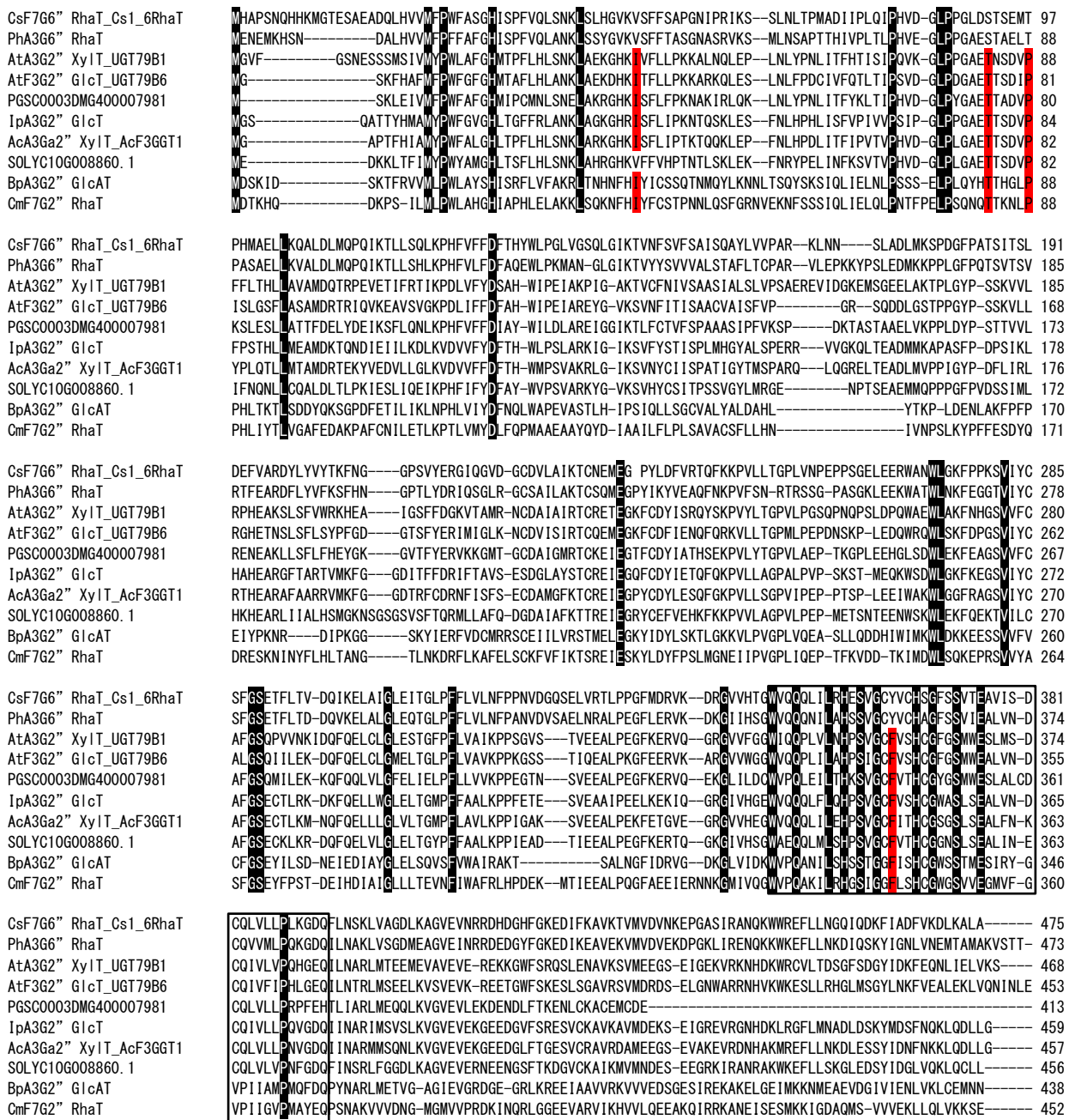Figure S8. Multiple alignment of flavonoid UGTs catalyzing glycosyl transfer to a sugar moiety of flavonoid glycosides.

Multiple alignments of deduced amino acid sequences of flavonoid GGTs was generated with CLUSTALW (http://www.clustal.org/). The PSPG motif is boxed. Amino acid residues conserved in flavonoid GGTs are shown in white on a black background. Amino acid residues conserved in flavonoid 2"-*O*-glycosyltransferases in UGT79/UGT94 are indicated with a red background. A3G2"GlcAT, anthocyanidin 3-*O*-glucoside 2"-*O*-glucuronosyltransferase; A3G2"GlcT, anthocyanidin 3-*O*-glucoside 2"-*O*-glucosyltransferase; A3G6"RhaT, anthocyanidin 3-*O*-glucoside 6"-*O*-rhamnosyltransferase; A3Ga2"XylT, anthocyanidin 3-*O*-galactoside 2"-*O*-xylosyltransferase; F3G2"GlcT, flavonol 3-*O*-glucoside 2"-*O*-glucosyltransferase; F7G2"RhaT, flavanone 7-*O*-glucoside 2"-*O*- rhamnosyltransferase; Abbreviations for species: Ac, *Actinidia chinensis*; At, *Arabidopsis thaliana*; Bp, *Bellis perennis*; Cm, *Citrus maxima*; Ip, *Ipomoea purpurea*; Ph, *Petunia hybrida.*