

Supplementary Table S8. Accession numbers of PSPGs used for phylogenetic analysis in Figure 6.

Name	Species	Functions	Accession No.
Cm1,2RhaT	<i>Citrus maxima</i>	Flavanone 7-O-glucoside 1,2-O-rhamnosyltransferase	AAL06646
UGT94D1	<i>Sesamum indicum</i>	Sesaminol 2-O-glucoside	BAF99027
BpUGAT	<i>Bellis perennis</i>	Anthocyanidin 3-O-glucoside 1,2-O-glucosyltransferase	BAD77944
In3GGT	<i>Ipomoea nil</i>	Anthocyanidin 3-O-glucoside 2''-O-glucosyltransferase	AB192314
6RhaT	<i>Petunia hybrida</i>	Anthocyanidin 3-O-glucoside 1,6-O-rhamnosyltransferase	CAA50376
ZOG1	<i>Phaseolus lunatus</i>	Zeatin O-glucosyltransferase	AF101972
ZOX1	<i>Phaseolus lunatus</i>	Zeatin O-xylosyltransferase	AF116858
UGT72E2	<i>Arabidopsis thaliana</i>	Oniferylalcohol glucosyltransferase	AB018119
UGT72B1	<i>Arabidopsis thaliana</i>	Hydroxybenzoic acid glucosyltransferase	CAB80916
UGT71G1	<i>Medicago truncatula</i>	Flavonoid 3'-O-glucosyltransferase	AAW56092
UGT71C1	<i>Arabidopsis thaliana</i>	Hydroxycinnamate, flavonoid 3-O-glucosyltransferase	AC005496
NtGT1a	<i>Nicotina tabacum</i>	Glucosyltransferase with broad substrate specificity	AB052558
NtGT3	<i>Nicotina tabacum</i>	Glucosyltransferase with broad substrate specificity	AB072918
UGT73C5	<i>Arabidopsis thaliana</i>	Zeatin O-glucosyltransferase	AAD20156
SaGT4a	<i>Solanum aculeatissimum</i>	Seroidal sapogenin 3-O-glucosyltransferase	BAD89042
B5GT	<i>Dorotheanthus</i>	Betanidin 5-O-glucosyltransferase	Y18871
CaUGT2	<i>Catharanthus roseus</i>	Curcumin glucosyltransferase	AB159213
F7GT	<i>Scutellaria</i>	Flavonoid 7-O-	BAA83484

	<i>baicalensis</i>	glucosyltransferase	
UGT75B1	<i>Arabidopsis thaliana</i>	Indole 3-acetic acid, sinapic acid glucosyltransferase	AAF79370
NtGT2	<i>Nicotina tabacum</i>	Flavonol 7-O- coumarin 3- O- glucosyltransferase	AB072919
UGTCs2	<i>Crocus sativus</i>	Crocin glucosyltransferase	AAP94878
NtSAGT	<i>Nicotina tabacum</i>	Salicylic acid glucosyltransferase	AAF61647
UGT74B1	<i>Arabidopsis thaliana</i>	Thiohydroximate S- glucosyltransferase	AC002396
UGT76G1	<i>Stevia rebaudiana</i>	Stevioside glucosyltransferase	AAR06912
UGT76C1	<i>Arabidopsis thaliana</i>	Trans-zeatin N- glucosyltransferase	BAB10792
CrUGT7	<i>Catharanthus roseus</i>	Glucosyltransferase with broad substrate specificity	AB733666
ZeaBx8	<i>Zea mays</i>	Benzoxazinoid 2-O- glucosyltransferase	AAL57037
UGT85B1	<i>Sorghum bicolor</i>	p- Hydroxymandelonitrile O-glucosyltransferase	AAF17077
CrUGT8	<i>Catharanthus roseus</i>	Iridoid 1-O- glucosyltransferase	AB733667
LjUGT12	<i>Lonicera japonica</i>	Iridoid 1-O- glucosyltransferase	
UGT85A1	<i>Arabidopsis thaliana</i>	Trans-zeatin O- glucosyltransferase	AAF18537
CrUGT6	<i>Catharanthus roseus</i>	Iridoid 1-O- glucosyltransferase	AB591741
GjUGT2	<i>Gardenia jasminoides</i>	Iridoid 1-O- glucosyltransferase	AB555732
UGT78D1	<i>Arabidopsis thaliana</i>	Flavonol 3-O-glicoside L- rhamnosyltransferase	AC009917
VvGT1	<i>Vitis vinifera</i>	Flavonoid 3-O- glucosyltransferase	AAB81682
UGT85A84	<i>Osmanthus fragrans</i>	glucosyltransferase	AYN74351.1
UGT85A3	<i>Arabidopsis thaliana</i>	UDP-glucosyl transferase	AEE30236.1