

Table S2. GenBank accession numbers of OMT proteins from other plants for phylogeny analysis.

Gene ID	Accession NO.	Organism	Type
AtOMT1	Q9FK25	<i>Arabidopsis thaliana</i> (Mouse-ear cress)	COMT
CaOMT1	P59049	<i>Chrysosplenium americanum</i>	COMT
CdFOMT5	A0A125T1T5	<i>Citrus depressa</i>	COMT
ChOMT	P93324.1	<i>Medicago sativa</i>	COMT
CrOMT1	Q8W013	<i>Catharanthus roseus</i> (Vinca rosea)	COMT
CrOMT2	Q8GSN1	<i>Catharanthus roseus</i> (Vinca rosea)	COMT
HvOMT1	A5YTR4	<i>Hordeum vulgare</i> subsp. <i>vulgare</i>	COMT
Hv7OMT	Q43771	<i>Hordeum vulgare</i>	COMT
IiOMT3	OP020915.1	<i>Isatis tinctoria</i>	COMT
MsCOMT1	P28002	<i>Medicago sativa</i>	COMT
ObFOMT1	K0I977	<i>Sweet basil</i>	COMT
OsOMT1	Q6ZD89	<i>Oryza sativa</i> subsp. <i>japonica</i>	COMT
SbOMT1	A8QW52	<i>Sorghum bicolor</i>	COMT
SbOMT3	A8QW53	<i>Sorghum bicolor</i> (sorghum)	COMT
ShMOMT1	F2YT4.1	<i>Solanum habrochaites</i>	COMT
TaOMT1	Q84N28	<i>Triticum aestivum</i> (bread wheat)	COMT
TaOMT2	Q38J50	<i>Triticum aestivum</i> (bread wheat)	COMT
VvAOMT	C7AE94	<i>Vitis vinifera</i> (Grape)	COMT
ZmOMT1	Q6VWG3	<i>Zea mays</i> (Maize)	COMT
ZmCCoAOMT1	Q9XGD6	<i>Zea mays</i> (Maize)	true CCoAOMTs
AtCCoAOMT1	O49499	<i>Arabidopsis thaliana</i> (Mouse-ear cress)	true CCoAOMTs
LICCoAOMT1	Q0N3X1	<i>Leucaena leucocephala</i> (White popinac)	true CCoAOMTs
MsCCoAOMT	Q40313	<i>Medicago sativa</i> (Alfalfa)	true CCoAOMTs
NtCCoAOMT1	O24144	<i>Nicotiana tabacum</i> (Common tobacco)	true CCoAOMTs
VvCCoAOMT	Q43237	<i>Vitis vinifera</i> (Grape)	true CCoAOMTs
PhCCoAOMT1	A0A0S2UWC9	<i>Petunia hybrida</i> (Petunia)	true CCoAOMTs
RcCCoAOMT	A0A2P6PM74	<i>Rosa chinensis</i> (China rose)	true CCoAOMTs
IiOMT1	OP020913.1	<i>Isatis tinctoria</i>	true CCoAOMTs
AtCCoAOMT7	Q9C5D7	<i>Arabidopsis thaliana</i> (Mouse-ear cress)	CCOAOMT-like
AtTSM1	Q9C9W4	<i>Arabidopsis thaliana</i> (Mouse-ear cress)	CCOAOMT-like
IiOMT2	OP020914.1	<i>Isatis tinctoria</i>	CCOAOMT-like
McPFOMT	Q6YI95	<i>Mesembryanthemum crystallinum</i>	CCOAOMT-like
VpOMT4	F2YP45	<i>Vanilla planifolia</i> (Vanilla)	CCOAOMT-like
VpOMT5	F2YP46	<i>Vanilla planifolia</i> (Vanilla)	CCOAOMT-like
SIAnthOMT	K4CVP2	<i>Solanum lycopersicum</i> (Tomato)	CCOAOMT-like
CtAldOMT1	B6F0V0	<i>Carthamus tinctorius</i> (Safflower)	CCOAOMT-like
OsOMT17	Q7F8T6	<i>Oryza sativa</i> subsp. <i>japonica</i> (Rice)	CCOAOMT-like