

**Table 1: Voucher information**

clones <sup>1</sup>	species	locality/source <sup>a</sup>	sample source <sup>a</sup>	specimen voucher	NCBI Genbank/ EMBL nucleotide databank accession numbers	N(clones)
cm 0	<i>A. caesium</i> Wall. ex Brandis subsp. <i>caesium</i>	Morris Arboretum, University of Pennsylvania, Philadelphia; accession 94-005B	F	Edelmann MA01080 <u>TUB</u>	AY605293, AY605294, DQ366115-DQ366117	5
ga 1	<i>A. caesium</i> subsp. <i>giraldii</i> (Pax) A.E.Murray	Shennongjia For. Distr., W Hubei, China	(H)	Denk 2001036 <u>S</u>	AY605295, AY605296, DQ366118-DQ366121	6
us11	<i>A. cf. monspessulanum</i>	Stojanovo, Loveč, Bulgaria	(H)	Denk 1997075 <u>S</u>	AM238423-AM238426	4
hd 2	<i>A. heldreichii</i> Orphan. ex Boiss.	Parnassos, Greece	H	Heldreich no.701 <u>S</u>	AY605301-AY605304, AM238280	5
hy 1	<i>A. hyrcanum</i> Fisch. & C.A. Mey. subsp. <i>hyrcanum</i>	Mazandaran prov., Iran	(H)	Denk 996165 <u>S</u>	AY605305, AY605306, DQ366129, DQ366130	4
ib 1	<i>A. ibericum</i> Bieb. ex. Willd.	N of Alpadera, Georgia (Transcaucasia)	(H)	Denk AL 02 226 <u>S</u>	AY605307, AY605308, AM238352, AM238353	4
ib 2	<i>A. ibericum</i> Bieb. ex. Willd.	Vashlovani, Georgia (Transcaucasia)	(H)	Denk VA140-142 <u>S</u>	AY605309, AY605310, AM238354	3
ib 3	<i>A. ibericum</i> Bieb. ex. Willd.	Norawank, Armenia (Transcaucasia)	F	Gabrielyan s.n., Jun 2002 <u>TUB</u>	AY605311, AY605312	2
ib 4	<i>A. ibericum</i> Bieb. ex. Willd.	Alpadera, Georgia (Transcaucasia), two individuals exhibiting leaf dimorphism	(H)	Denk AL 189 <u>S</u> , AL 190 <u>S</u> , AL 193 <u>S</u>	AY605313, AY605314	2
ms 0, ms 1	<i>A. monspessulanum</i> L. subsp. <i>monspessulanum</i>	Botanical Garden, Eberhard Karls University, Tübingen, Germany; same individual	F	Langer BGT01017 <u>TUB</u>	AM238355, AM238356	2
ms 4	<i>A. monspessulanum</i> L. subsp. <i>monspessulanum</i>	San Lorenzo de El Escorial, prov. Madrid, C Spain; 4 individuals, PCR products mixed prior to ligation	F	Schlee MS01133-37 <u>TUB</u>	AY605315-AY605317	3
ms 5, ms 6, ms 7	<i>A. monspessulanum</i> L. subsp. <i>monspessulanum</i>	Vallée du Célé, dépt. Lot, C France; 3 stands	F	Grimm GG01198 <u>TUB</u> , GG01211 <u>TUB</u> , GG01212 <u>TUB</u>	AY605318-AY605321, DQ366124-DQ366128, AM238357-AM238360	13
ms 8, ms 9	<i>A. monspessulanum</i> L. subsp. <i>monspessulanum</i>	lower Vallée du Célé, dépt. Lot, C France; 2 individuals	F	Grimm GG01213 <u>TUB</u> , GG01214 <u>TUB</u>	AM238361-AM238370	10
ms10	<i>A. monspessulanum</i> L. subsp. <i>monspessulanum</i>	Vallée de l'Aude, dépt. Aude, French Pyrenees	F	Grimm GG01216 <u>TUB</u>	AM238371-AM238373	3
ms11	<i>A. monspessulanum</i> L. subsp. <i>monspessulanum</i>	Val de Llobregat, prov. Lleida, Spanish Pyrenees; 2 individuals	F	Grimm GG01233, GG01234 <u>TUB</u>	AM238374-AM238376	3
ms12, ms13	<i>A. monspessulanum</i> L. subsp. <i>monspessulanum</i>	Gorge de la Jonte, Cevennes, SC France; 2 stands	F	Grimm GG01235 <u>TUB</u> , GG01236 <u>TUB</u>	AM238377-AM238384	8
ms17	<i>A. monspessulanum</i> L. subsp. <i>monspessulanum</i>	Gorge de la Nesque, dépt. Vaucluse, SE France	F	Grimm GG01279 <u>TUB</u>	AM238385-AM238390	6
ms19	<i>A. monspessulanum</i> L. subsp. <i>monspessulanum</i>	near Gorge de la Nesque, dépt. Vaucluse, SE France	F	Grimm GG01281 <u>TUB</u>	AM238391-AM238394	4
ms21	<i>A. monspessulanum</i> L. subsp. <i>monspessulanum</i>	next to Gordes, dépt. Vaucluse, SE France; 3 individuals	F	Grimm GG01283 <u>TUB</u> , GG01284 <u>TUB</u> , GG01285 <u>TUB</u>	AM238395-AM238399	5
ms22	<i>A. monspessulanum</i> L. subsp. <i>monspessulanum</i>	in the vicinity of Mt. Ventoux, dépt. Vaucluse, SE France	F	Grimm GG01288 <u>TUB</u>	AM238400	1
ms24	<i>A. monspessulanum</i> L. subsp. <i>monspessulanum</i>	Nahe valley, SW Germany; 5 individuals, PCR products mixed	F	Schlee MS01319-322 <u>TUB</u>	AM238401, AM238402	2
ms26	<i>A. monspessulanum</i> L. subsp. <i>monspessulanum</i>	Forêt de Cedres; road Ifrane to Mischliften, Morocco	F	Denk 2005126-01 <u>S</u>	AM238403-AM238406	4
xx 3	<i>A. monspessulanum</i> L. (?x <i>opalus</i> )	Gorge de la Nesque, dépt. Vaucluse, SE France	F	Grimm GG01278 <u>TUB</u>	AM238407-AM238416	10
of 1	<i>A. obtusifolium</i> Boiss. & Gaill.	Cyprus	H	L.F.H. Mertôn s.n., leg. 2.5.1957 <u>S</u>	AM238327-AM238330	4
of 2	<i>A. obtusifolium</i> Boiss. & Gaill.	Syria; labelled as " <i>A. syriacum</i> "	H	G. Samuelson s.n., leg. 16.5.1933 <u>S</u>	AM238331-AM238333	3
op 2	<i>A. opalus</i> Mill. cv. 'Mainz '93'	Botanical Garden, Eberhard Karls University, Tübingen, Germany; same individual	F	Langer BGT01008 <u>TUB</u>	sequences not submitted <sup>2</sup>	3
op 4	<i>A. opalus</i> Mill. subsp. <i>oplaus</i>	St.Vallier-de-Thiery, dépt. Alpes-Maritimes, SE France	F	Schlee MS01167 <u>TUB</u>	AY605325, AY605326	2
op 5	<i>A. opalus</i> Mill. subsp. <i>oplaus</i>	Caussols, dépt. Alpes-Maritimes, SE France; 3 individuals, PCR products mixed	F	Schlee MS01168-170 <u>TUB</u>	AY605327, AY605328	2
op 7	<i>A. opalus</i> Mill. subsp. <i>oplaus</i>	Arezzo, Piedmont, Italy	F	Denk K185 <u>S</u> , <u>TUB</u>	AY605329, AY605330	2
op 8	<i>A. opalus</i> Mill. subsp. <i>oplaus</i>	Vallée de l'Aude, N Pyrenees, France	F	Grimm GG01197 <u>TUB</u>	AY605331, AY605332	2
op 9	<i>A. opalus</i> Mill. subsp. <i>oplaus</i>	Montsec de Rúbies, prov. Lleida, NE Spain	F	Schlee MS01290 <u>TUB</u>	AM238295, AM238296	2
op10, op11	<i>A. opalus</i> Mill. subsp. <i>oplaus</i>	Val del Llobregat, prov. Lleida, Spanish Pyrenees; 2 stands	F	Grimm GG01291 <u>TUB</u> , GG01292 <u>TUB</u>	AM238297-AM238300	4
op12	<i>A. opalus</i> Mill. subsp. <i>oplaus</i>	Gorge de la Jonte, Cevennes, SC France; 3 individuals, PCR products mixed	F	Grimm GG01395-397 <u>TUB</u>	AM238301-AM238306	6

Table 1, cont.

clones <sup>1</sup>	species	locality/source <sup>2</sup>	sample source <sup>a</sup>	specimen voucher	NCBI Genbank/ EMBL nucleotide databank accession numbers	N (clones)
<b>op13</b>	<i>A. opalus</i> Mill. subsp. <i>oplaus</i>	Gorge du Tarn, Cevennes, SC France; 3 individuals, same stand as individual xx 5 (Grimm GG 01298 <a href="#">TUB</a> )	F	Grimm GG01299 <a href="#">TUB</a> , GG01300 <a href="#">TUB</a> , GG01301 <a href="#">TUB</a>	AM238307-AM238314	8
<b>op14</b>	<i>A. opalus</i> Mill. subsp. <i>oplaus</i>	Vallée du Lot, N of Causse de Sauveterre, Cevennes, SC France; 2 individuals	F	Grimm GG01302 <a href="#">TUB</a> , GG01305 <a href="#">TUB</a>	AM238315-AM238318	4
<b>op15, op16</b>	<i>A. opalus</i> Mill. subsp. <i>oplaus</i>	Causse Noir, Cevennes, SC France; 2 stands	F	Grimm GG01307 <a href="#">TUB</a> , GG01308 <a href="#">TUB</a>	AM238319-AM238322	4
ot 1	<i>A. opalus</i> subsp. <i>obtusatum</i> (Willd.) Gams	arboretum of the Botanical Garden, Eberhard Karls University, Tübingen; seedling origins from the vicinity of Naples, S Italy	F	Langer BGT01007 <a href="#">TUB</a>	AJ634567, AJ634568, AY605333	3
ot 2	<i>A. opalus</i> subsp. <i>obtusatum</i> (Willd.) Gams	Aetna, Sicily, Italy	F	Blessing MB01191 <a href="#">TUB</a>	AY605334-AY605337	4
xx 5	<i>A. opalus</i> Mill. (?x <i>monsperulatum</i> )	Gorge du Tarn, Cevennes, SC France	F	Grimm GG01298 <a href="#">TUB</a>	AM238417-AM238422	6
<b>pp17, pp18</b>	<i>A. pseudoplatanus</i> L.	Botanical Garden, Eberhard Karls University, Tübingen, Germany; 2 individuals, natural	F	Grimm GG01097, GG01098 <a href="#">TUB</a>	AM238251-AM238253	3
<b>pp22</b>	<i>A. pseudoplatanus</i> L.	near Budapest, Hungary	F	Schlee MS01129 <a href="#">TUB</a>	AY605338, DQ366131	2
<b>pp24</b>	<i>A. pseudoplatanus</i> L.	near Tübingen, SW Germany	F	Grimm GG01190 <a href="#">TUB</a>	AY605339-AY605341	3
<b>pp25, pp26, pp27</b>	<i>A. pseudoplatanus</i> L.	Mühlthal, Luxembourg; 3 individuals from 2 stands	F	Grimm GG01195, GG01196, GG01210 <a href="#">TUB</a>	AY605342-AY605346, DQ366132, DQ366133	7
<b>pp28</b>	<i>A. pseudoplatanus</i> L.	Vallée du Célé, dépt. Aude, C France	F	Grimm GG01208 <a href="#">TUB</a>	AM238254, AM238255	2
<b>pp30</b>	<i>A. pseudoplatanus</i> L.	Lac d'Aydat, P.R. Volcans d'Auvergne, C France	F	Grimm GG01204 <a href="#">TUB</a>	AM238256-AM238261	6
<b>pp34</b>	<i>A. pseudoplatanus</i> L.	Gorge du Tarn, Cevennes, SC France; 3 individuals, PCR products mixed	F	Grimm GG01309-311 <a href="#">TUB</a>	AM238262, AM238263	2
<b>pp35, pp36</b>	<i>A. pseudoplatanus</i> L.	Gorge de la Jonte, Cevennes, SC France; 2 individuals	F	Grimm GG01312, GG01313 <a href="#">TUB</a>	AM238264-AM238267	4
<b>pp37</b>	<i>A. pseudoplatanus</i> L.	Causse Noir, Cevennes, SC France	F	Grimm GG01314 <a href="#">TUB</a>	AM238268	1
<b>pp38</b>	<i>A. pseudoplatanus</i> L.	Causse de Sauveterre, Cevennes, SC France	F	Grimm GG01315 <a href="#">TUB</a>	AM238269, AM238270	2
pp39	<i>A. pseudoplatanus</i> L.	Tübingen, Germany; planted	F	Grimm GG01187 <a href="#">TUB</a>	AM238271, AM238272	2
<b>pp40</b>	<i>A. pseudoplatanus</i> L.	Vallée d'Hérault, dépt. Gard, S France	F	Grimm GG01317 <a href="#">TUB</a>	AM238273-AM238276	4
<b>fd 1</b>	<i>A. saccharum</i> subsp. <i>floridanum</i> (Chapm.) Desm.	Florida Caverns S.P., Florida, USA	(H)	Denk 974102 <a href="#">S</a>	DQ366138, DQ366139	2
gd 0	<i>A. saccharum</i> subsp. <i>grandidentatum</i> (Torr. & A. Gray) Desm.	Morris Arboretum, University of Pennsylvania, Philadelphia; (B18) 92-058*B	F	Edelmann MA01096 <a href="#">TUB</a>	AY605297, AY605298	2
<b>gd 1</b>	<i>A. saccharum</i> subsp. <i>grandidentatum</i> (Torr. & A. Gray) Desm.	Emigration Canyon, Utah, USA	F	Grimm GG01233 <a href="#">TUB</a>	AY605299, AY605300, DQ366134	3
<b>gd 2</b>	<i>A. saccharum</i> subsp. <i>grandidentatum</i> (Torr. & A. Gray) Desm.	Zion Natl. P., Utah, USA; 3 individuals, PCR products mixed	F	Grimm GG01242-244 <a href="#">TUB</a>	AM238323-AM238325	3
<b>ni 1, ni 2, ni 3</b>	<i>A. saccharum</i> subsp. <i>nigrum</i> (F. Michx.) Desm.	Albany Co., New York State, USA; 3 stands	F	Sheviak Sh01063 <a href="#">TUB</a> , Sh01064 <a href="#">TUB</a> , Sh01065 <a href="#">TUB</a>	AY605322-AY605324, AM238326	4
<b>sc 1</b>	<i>A. saccharum</i> Marsh. subsp. <i>saccharum</i>	Rensselaer Co., New York State, USA	F	Sheviak Sh01040 <a href="#">TUB</a>	AY605347, AY605348	2
<b>sv 1</b>	<i>A. sempervirens</i> L.	Lake Kournas, Crete	(H)	Denk K111 <a href="#">S</a>	AY605349, AY605350	2
<b>sv 2</b>	<i>A. sempervirens</i> L.	near Vrisses, Crete	(H)	Denk K112 <a href="#">S</a>	AY605351, AY605352, DQ366122, DQ366123	4
<b>sv 3</b>	<i>A. sempervirens</i> L.	Eligias gorge, W Crete		Denk & Schwarz K113 <a href="#">S</a>	AY605353	1
<b>sv 4</b>	<i>A. sempervirens</i> L.	Dikti Mts., eastern C Crete; 2 individuals, one (K184) exhibiting partly a-taxonomic ITS clones	(H)	Denk K183 <a href="#">S</a> , Denk K184 <a href="#">S</a>	AM238334-AM238351	18
<b>tv 1</b>	<i>A. traucvetteri</i> Medw.	W Georgia (Transcaucasia)	(H)	Denk 977185 <a href="#">S</a>	AY605354, AY605355, AM238281-AM238285	7
<b>ve 1</b>	<i>A. velutinum</i> Boiss.	lower Assalam valley, Caspian coast, Gilan prov., NW Iran	(H)	Denk 996040 <a href="#">S</a>	AY605356, AY605357, AM238286-AM238289	6
<b>ve 2</b>	<i>A. velutinum</i> Boiss.	Vaz River, Mazandaran prov., NW Iran	(H)	Denk 996140 <a href="#">S</a>	AY605358-AY605360, AM238290-AM238294	8
<b>ve 3</b>	<i>A. velutinum</i> Boiss.	Sirin Rud valley, Mazandaran prov., NW Iran	(H)	Denk 996236 <a href="#">S</a>	AY605361, AY605362, DQ366135-DQ366137	5
hd 1	? <i>A. x pseudo-heldreichii</i> Fukarek & Celjo	Breslau, Poland; planted tree labelled as " <i>A. heldreichii</i> "	H	C. Baenitz s.n., 19.7.1907 <a href="#">S</a>	AM238277-AM238279	3

<sup>1</sup> Bold font: material collected at original stand from presumably not cultivated (wild) individual(s). Normal font: obviously cultivated specimen (botanical gardens, planted). Abbrev. (5th column): F, fresh material; (H), recently herbarized material (less than 10 years old); H, herbarized material.

<sup>2</sup> Data is of lower quality and may exhibit sequence artefacts (cf. Grimm, 2003: 22, fig. 3-2). Sequence data can be supplied upon request.