

RODGER C. EVANS AND CHRISTOPHER S. CAMPBELL. 2002. The origin of the apple subfamily (Maloideae; Rosaceae) is clarified by DNA sequence data from duplicated GBSSI genes. *American Journal of Botany* 89(9): 1478-1484.

Table 1. Sources of plant material, voucher information and GenBank Accession numbers for taxa used in this investigation.

Subfamily <sup>a</sup>	Taxon	Garden Accession no. or location; collector, no. (herbarium) <sup>b</sup>	No. clones screened	GenBank accession no. <sup>c</sup>
Amygdaloideae	<i>Oemleria cerasiformis</i>	Cult. AA No. 274-85; EVANS 009 (TRT)	6	GBAN-AF285986
	<i>Prinsepia sinensis</i>	Cult. AA No. 598-86; (TRT)	4	GBAN-AF285990
	<i>Prunus virginiana</i>	Cult. RBG No. 800910; RCE275 (TRT)	8	GBAN-AF285991 GBAN-AF500453
Maloideae	<i>Amelanchier bartramiana</i>	Maine, USA; Campbell B18 (MAINE)	9	GBAN-AF285973
				GBAN-AF285974
				GBAN-AF285975
				GBAN-AF285976

<i>Amelanchier laevis</i>	Maine, USA; Campbell L19 (MAINE)	6	
<i>Aria alnifolia</i>	Cult. AA No. 17261; (MAINE)	8	GBAN-AF500390
			GBAN-AF500391
			GBAN-AF500392
			GBAN-AF500393
<i>Aronia prunifolia</i>	Cult. MBG No. 1013-76; RCE395 (TRT)	3	GBAN-AF500394 GBAN-AF500395
<i>Chaenomeles speciosa</i>	Cult. RBG No. 781067; EVANS 001 (TRT)	15	GBAN-AF285977
			GBAN-AF285978
			GBAN-AF285979
			GBAN-AF500398
<i>Chamaemespilus alpina</i>	Cult. MA No. 749-80; Robertson 5276	7	GBAN-AF500401
			GBAN-AF500402
			GBAN-AF500403
			GBAN-AF500404

<i>Cormus domestica</i>	Cult. AA No. 11671; (MAINE)	14	GBAN-AF500405
			GBAN-AF500406
			GBAN-AF500407
			GBAN-AF500408
<i>Cotoneaster apiculatus</i>	Cult. RBG No. 920249; RCE290 (TRT)	13	GBAN-AF500409
			GBAN-AF500410
			GBAN-AF500411
			GBAN-AF500412
<i>Crataegus rivularis</i>	New Mexico, USA; E032 (TRT)	8	GBAN-AF500413
			GBAN-AF500414
<i>Cydonia oblonga</i>	UA Campus; G. Starr C277 (ARIZ)	9	GBAN-AF500415
			GBAN-AF500416
<i>Dichotomanthes tristaniaecarpa</i>	Cult. UCBG No. 41-0372 (TRT)	17	GBAN-AF500417
			GBAN-AF500418
			GBAN-AF500419

			GBAN-AF500420
<i>Docyniopsis tschonoskii</i>	Cult. MA No. 58-83; KRR 5278	5	GBAN-AF500421
			GBAN-AF500422
<i>Eriobotrya japonica</i>	UA Campus; G. Starr C169 (ARIZ)	7	GBAN-AF500423
			GBAN-AF500424
<i>Eriolobus trilobatus</i>	Cult. SHHGA; No voucher collected	14	GBAN-AF500425
			GBAN-AF500426
			GBAN-AF500427
			GBAN-AF500428
<i>Heteromeles arbutifolia</i>	Cult. BTSA No. 50-038; RCE426 (TRT)	12	GBAN-AF500433
			GBAN-AF500434
			GBAN-AF500435
<i>Malacomeles denticulata</i>	Mexico; T17M-96s	6	GBAN-AF500440
			GBAN-AF500441

<i>Malus sargentii</i>	Ontario, Canada; EVANS 003 (TRT)	21	GBAN-AF285983
			GBAN-AF285984
			GBAN-AF285985
			GBAN-AF500442
<i>Mespilus germanica</i>	Cult. AA No. 1026-84; RCE407 (TRT)	9	GBAN-AF500443
			GBAN-AF500444
			GBAN-AF500445
			GBAN-AF500446
<i>Osteomeles anthyllidifolia</i>	Cult. BTSA No. 50-176; EVANS004 (TRT)	13	GBAN-AF285987
			GBAN-AF285988
<i>Peraphyllum ramosissimum</i>	Colorado, USA; RCE438 (TRT)	7	GBAN-AF500447
			GBAN-AF500448
			GBAN-AF500449
<i>Photinia villosa</i>	Cult. RBG No. 920269; RCE272 (TRT)	13	GBAN-AF500450
			GBAN-AF500451

			GBAN-AF500452
<i>Pseudocydonia sinensis</i>	Cult AA. No. 534-83; (MAINE)	7	GBAN-AF500454
<i>Pyracantha coccinea</i>	Texas, USA; RCE418 (TRT)	6	GBAN-AF500455
			GBAN-AF500456
<i>Pyrus calleryana</i>	Maine, USA; CSC 94-10 (MAINE)	14	GBAN-AF500457
			GBAN-AF500458
			GBAN-AF500459
<i>Rhaphiolepis indica</i>	Cult. University of Toronto Greenhouse; RCE357 (TRT)	16	GBAN-AF500460
			GBAN-AF500461
			GBAN-AF500462
<i>Sorbus americana</i>	Cult. RBG No. 75634; RCE286 (TRT)	11	GBAN-AF500465
			GBAN-AF500466
			GBAN-AF500467
			GBAN-AF500468
<i>Stranvaesia davidiana</i>	Cult. UCBG No. 46-0702 (TRT)	19	GBAN-AF500470

				GBAN-AF500471
				GBAN-AF500472
				GBAN-AF500473
	<i>Torminalis clusii</i>	Cult. MA No. 614-83; KRR 5275	12	GBAN-AF500474
				GBAN-AF500475
Spiraeoideae	<i>Aruncus dioicus</i>	North Carolina, USA; EVANS 006 (TRT)	3	GBAN-AF285999
				GBAN-AF286000
				GBAN-AF286001
	<i>Chamaebatiaria millefolium</i>	Nevada, USA; RCE446 (TRT)	6	GBAN-AF500399
				GBAN-AF500400
	<i>Exochorda racemosa</i>	Cult. RBG No. 920257; EVANS 008 (TRT)	5	GBAN-AF286002
				GBAN-AF286003
	<i>Gillenia trifoliata</i>	North Carolina, USA; E105 (TRT)	10	GBAN-AF500431
				GBAN-AF500432
	<i>Kageneckia oblonga</i>	Cult. UCBG No. 88-0176; EVANS 002 (TRT)	7	GBAN-AF285980

			GBAN-AF285981
			GBAN-AF285982
<i>Lindleya mespiloides</i>	Mexico; Mayfield 1382 (TEX)	11	GBAN-AF500436
			GBAN-AF500437
			GBAN-AF500438
<i>Lyonothamnus floribundus</i> var. <i>asplenifolius</i>	Cult. RSABG No. UD6464; RCE430 (TRT)	2	GBAN-AF500439
<i>Physocarpus opulifolius</i>	Cult RBG No. XX256; EVANS 007 (TRT)	5	GBAN-AF285989
<i>Sorbaria sorbifolia</i>	Cult. RBG No. 871064; RCE313 (TRT)	8	GBAN-AF500463
			GBAN-AF500464
<i>Stephanandra incisa</i>	Cult. UCBG No. 85-0775 (TRT)	7	GBAN-AF500469
<i>Vauquelinia californica</i>	Arizona, USA; Evans 005 (TRT)	5	GBAN-AF285995
			GBAN-AF285996
			GBAN-AF285997
			GBAN-AF285998



Rosoideae	<i>Adenostoma fasciculatum</i>	Cult. RSABG No. 13586; RCE428 (TRT)	6	GBAN-AF500389
	<i>Cercocarpus betuloides</i>	Cult. RSABG No. 13586; (TRT)	5	GBAN-AF500396 GBAN-AF500397
	<i>Rosa multiflora</i>	Ontario, Canada; Evans 013 (TRT)	4	GBAN-AF285993
	<i>Rubus odoratus</i>	Maine, USA; AliceR14 (Maine)	4	GBAN-AF285994
	<i>Waldsteinia geoides</i>	Cult. Stockholm Univ.; Smedmark 4 (SBT)	4	GBAN-AF500476 GBAN-AF500477
	<i>Frangula alnifolia</i> (Rhamnaceae)	Ontario, Canada; RCE408 (TRT)	4	GBAN-AF500429 GBAN-AF500430
	<i>Rhamnus catharticus</i> (Rhamnaceae)	Ontario, Canada; EVANS 013 (TRT)	4	GBAN-AF285992

<sup>a</sup> Traditional subfamily designation.

<sup>b</sup> Abbreviations used: Cult. = cultivated, AA = Arnold Arboretum; MA = Morton Arboretum; RBG = Royal Botanical Garden, Hamilton; SHHGA = Sir Harold Hillier Gardens and Arboretum; UA = University of Arizona; UCBG = University of California Berkeley Botanical Garden. Bracketed abbreviations designate herbaria where vouchers are stored.

<sup>c</sup> The prefix GBAN has been added to link the online version of American Journal of Botany to GenBank but is not part of the actual accession number