

SUPPLEMENTARY MATERIAL

Table S1. Voucher information (or reference to voucher information) and GenBank accession No. for taxa used in the present study. A dash indicates that the region was not sampled. Voucher specimens are deposited in the following herbaria: TARI, Research Institute of Forests and Rangelands, Iran; T, Kharazmi University; VANF, Yüzüncü Yil University, Turkey.

Taxon	Reference or Voucher	rps16	rpL16	ITS
<i>Acronema paniculatum</i> H.Wolff	Zhou et al. (2009)	FJ385031	FJ385168	FJ385031
<i>Acronema</i> sp.	Zhou et al. (2009)	FJ385169	FJ385071	FJ385032
<i>Aegopodium alpestre</i> Ledeb. (PM)	Downie et al. (1998)	-	-	U78436
<i>Aegopodium handelii</i> H.Wolff	unpublished	-	-	JQ792195
<i>Aegopodium kashmirica</i> (R.R.Stewart ex Dunn) Pimenov	Valiejo-Roman et al. (1998)	-	-	AF077872
<i>Aegopodium komarovii</i> (Karjagin) Pimenov & Zakharova	unpublished	-	-	JQ792198
<i>Aegopodium latifolium</i> Turcz.	unpublished	-	-	JQ792196
<i>Aegopodium podagraria</i> L.	Downie & Katz-Downie (1996)	-	-	AH003473
<i>Aegopodium tadshikorum</i> Schischk.	unpublished	-	-	JQ792201
<i>Aegopodium tribracteolatum</i> Schmalh.	unpublished	-	-	JQ792204
<i>Aegopodium tribracteolatum</i> Schmalh.	Turkey: <i>Behcet</i> 7929 (VANF)			
<i>Angelica sylvestris</i> L.	Downie et al. (1998)	-	-	U78414
<i>Aphanopleura capillifolia</i> Lipsky	Spalik & Downie (2007)	-	-	DQ516368
<i>Aphanopleura trachysperma</i> Boiss.	Lee & Downie (1999)	-	-	AF008629
<i>Aphanopleura trachysperma</i> Boiss.	Lee & Downie (1999)	-	-	AF009108
<i>Arafoe aromatica</i> Pimenov & Lavrova	Valiejo-Roman et al. (1998)	-	-	AF077874
<i>Athamanta macedonica</i> Spreng.	Downie et al. (2000a)	-	-	AF073541
<i>Bunium luristanicum</i> Rech.f.	Iran: <i>Karimi</i> 5993 (T)			
<i>Chamaele decumbens</i> Makino	Spalik & Downie (2007)	-	-	DQ516364
<i>Chuanminshen violaceum</i> M.L.Sheh & R.H.Shan	Zhou et al. (2009)	FJ385188	FJ385089	FJ385040
<i>Cnidium monnieri</i> (L.) Cuss.	Zhou et al. (2008, 2009)	FJ385189	FJ385090	
<i>Cryptotaenia africana</i> Drude	Spalik & Downie (2007)	-	-	DQ516371
<i>Cryptotaenia calycina</i> C.C.Towns.	Spalik & Downie (2007)	-	-	DQ516372
<i>Cyclorhiza waltonii</i> (H.Wolff) M. L. Sheh & R. H. Shan	Zhou et al. (2008, 2009)	FJ385192	FJ385093	EU236165
<i>Demavendia pastinacifolia</i> (Boiss. & Hausskn.) Pimenov	unpublished	-	-	AY911857
<i>Frommia ceratophylloides</i> H.Wolff	Spalik & Downie (2007)	-	-	DQ647630
<i>Halosciastrum melanotilingia</i> Pimenov & V.N.Thikhom	Valiejo-Roman et al. (2006a)	-	-	AY328937
<i>Haplosphaera phaea</i> Hand.-Mazz.	Zhou et al. (2008)	FJ385194	FJ385096	EU236167
<i>Haplosphaera phaea</i> Hand.-Mazz.	Valiejo-Roman et al. (2006b)	-	-	AY330514

<i>Harrysmithia heterophylla</i> H.Wolff	Spalik et al. (2010)	-	-	GQ379321
<i>Hausknechtia elymaitica</i> Boiss.	Ajani et al. (2008)	-	-	EU169273
<i>Heracleum persicum</i> Desf.	Iran: <i>Fereidounfar</i> 9998 (T)			
<i>Komarovia anisosperma</i> Korovin	Valiejo-Roman et al. (1998), Downie & Katz-Downie (1999), Downie et al. (2000b)	AF110555	AF094434	AF077897
<i>Meeboldia yunnanensis</i> (H.Wolff) Constance & F.T.Pu ex S.L.Liou	Zhou et al. (2009)	FJ385209	FJ385110	FJ385048
<i>Notopterygium incisum</i> Ting ex H.T.Chang	Zhou et al. (2008, 2009)	FJ385212	FJ385115	EU236180
<i>Oenanthe benghalensis</i> Benth. & Hook.f.	Zhou et al. (2008, 2009)	FJ385213	FJ385216	EU236181
<i>Oenanthe fistulosa</i> L.	Spalik & Downie (2006)	-	-	DQ005664
<i>Oenanthe linearis</i> Wall. subsp. <i>linearis</i>	Zhou et al. (2009)	FJ385215	FJ385118	FJ385051
<i>Opsicarpium insignis</i> Mozaff.	Valiejo-Roman et al. (2006b)	-	-	AY941280
<i>Oreocomopsis stelliphora</i> (Cauwet & Farille) Pimenov & Kljuykov	Spalik et al. (2010)	-	-	GQ379322
<i>Peucedanum delavayi</i> Franch.	Zhou et al. (2009)	-	-	FJ385054
<i>Phellolophium madagascariense</i> Baker	Spalik & Downie (2007)	-	-	DQ647629
<i>Physospermopsis cuneata</i> H.Wolff	Zhou et al. (2008)	-	-	EU236189
<i>Physospermopsis delavayi</i> H.Wolff	Zhou et al. (2009)	FJ385222	FJ385126	FJ385056
<i>Physospermum cornubiense</i> DC.pm	Valiejo-Roman et al. (1998)	-	-	AF077904
<i>Pimpinella perrieri</i> Sales & Hedge	Magee et al. (2010)	-	-	FM986460
<i>Pimpinella acuminata</i> C.B.Clarke	Zhou et al. (2008, 2009)	-	-	EU236193
<i>Pimpinella affinis</i> Ledeb.	Iran: <i>Fereidounfar</i> 8695 (T)			
<i>Pimpinella alismatifolia</i> C.C.Towns.	Magee et al. (2010)	-	-	FM986448
<i>Pimpinella anisetum</i> Boiss. & Balansa	Tabanca et al. (2005)	-	-	AY581781
<i>Pimpinella aromatica</i> M.Bieb.	Tabanca et al. (2005)	-	-	AY581784
<i>Pimpinella aurea</i> DC.	Iran: <i>Fereidounfar</i> 8692 (T)			
<i>Pimpinella barbata</i> Boiss.	Iran: 53679 (TARI)			
<i>Pimpinella betsileensis</i> Sales &Hedge	Spalik & Downie (2007)	-	-	DQ647626
<i>Pimpinella brachystyla</i> Hand.- Mazz.	Spalik et al. (2010)	-	-	GQ379270
<i>Pimpinella buechananii</i> H.Wolff	Magee et al. (2010)	-	-	FM986455
<i>Pimpinella caffra</i> D.Dietr.	Magee et al. (2010)	-	-	FM986447
<i>Pimpinella candolleana</i> Wight & Arn.	unpublished	-	-	JF831513
<i>Pimpinella cappadocica</i> Boiss. & Balansa var. <i>cappadocica</i>	Tabanca et al. (2005)	-	-	AY581786
<i>Pimpinella cretica</i> Poir. var. <i>cretica</i>	Tabanca et al. (2005)	-	-	AY581789
<i>Pimpinella cretica</i> Poir. var.	Tabanca et al. (2005)	-	-	AY581788

arabica (Boiss.) Boiss				
<i>Pimpinella chungdienensis</i> C.Y.Wu	unpublished	-	-	JF831515
<i>Pimpinella corymbosa</i> Boiss.	Turkey: <i>Behcet</i> 8215 (VANF)			
<i>Pimpinella corymbosa</i> Boiss.	Tabanca et al. (2005)	-	-	AY581787
<i>Pimpinella deverroides</i> Boiss.	Iran: <i>Fereidounfar</i> 11034 (T)	-	-	
<i>Pimpinella eriocarpa</i> Banks & Sol.	Tabanca et al. (2005)	-	-	AY581790
<i>Pimpinella eriocarpa</i> Banks & Sol.	Iran: Hosseiny 8790 (T)			
<i>Pimpinella favifolia</i> C.Norman	Magee et al. (2010)	-	-	FM986458
<i>Pimpinella flabellifolia</i> (Boiss.) Benth. & Hook. f.	Tabanca et al. (2005)	-	-	AY581791
<i>Pimpinella hirtella</i> A.Rich.	Magee et al. (2010)	-	-	FM986444
<i>Pimpinella huillensis</i> Welw. ex Engl.	Magee et al. (2010)	-	-	FM986454
<i>Pimpinella khayyamii</i> Mozaff.	Iran: <i>Mozaffarian</i> 27779 (TARI)			
<i>Pimpinella kingdon-wardii</i> H.Wolff	unpublished	-	-	JF831520
<i>Pimpinella kotschyana</i> Boiss.	Spalik & Downie (2007)	-	-	DQ516373
<i>Pimpinella kotschyana</i> Boiss.	Iran: <i>Ghahremaninejad</i> 16000 (T)			
<i>Pimpinella krookii</i> H.Wolff	Magee et al. (2010)	-	-	FM986445
<i>Pimpinella kyimbilaensis</i> H.Wolff	Magee et al. (2010)	-	-	FM986452
<i>Pimpinella ledermannii</i> H.Wolff subsp. Engleriana (H.Wolff) C.C.Towns	Magee et al. (2010)	-	-	FM986457
<i>Pimpinella lutea</i> Desf.	Spalik & Downie (2007)	-	-	DQ516374
<i>Pimpinella niitakayamensis</i> Hayata	Spalik & Downie (2007)	-	-	DQ516375
<i>Pimpinella nudicaulis</i> Trautv.	Tabanca et al. (2005)	-	-	AY581794
<i>Pimpinella oreophila</i> Hook.f.	Magee et al. (2010)	-	-	FM986450
<i>Pimpinella paucidentata</i> V.A.Matthews	Tabanca et al. (2005)	-	-	AY581796
<i>Pimpinella peregrina</i> L.	Tabanca et al. (2005)	-	-	AY581797
<i>Pimpinella peucedanifolia</i> Fisch. ex Ledeb.	Tabanca et al. (2005)	-	-	AY581798
<i>Pimpinella peucedanifolia</i> Fisch. ex Ledeb.	Iran: <i>Mozaffarian</i> 72750 (TARI)			
<i>Pimpinella puberula</i> Boiss.	Tabanca et al. (2005)	-	-	AY581799
<i>Pimpinella puberula</i> Boiss.	Iran: <i>Rezazadeh</i> 1793 (T)			
<i>Pimpinella purpurea</i> H.Boissieu	unpublished	-	-	JF831521
<i>Pimpinella rigidistyla</i> C.C.Towns.	Magee et al. (2010)	-	-	FM986459
<i>Pimpinella rockii</i> H.Wolff	Zhou et al. (2009)	-	-	FJ385057
<i>Pimpinella rubescens</i> (Franch.) H.Wolff ex Hand.-Mazz.	unpublished	-	-	JF831524
<i>Pimpinella saxifraga</i> L.	Tabanca et al. (2005)	-	-	AY581801
<i>Pimpinella saxifraga</i> L.	Iran: <i>Assadi & Sardabi</i> 23911 (TARI)			

<i>Pimpinella sintenisii</i> H.Wolff	Tabanca et al. (2005)	-	-	AY581802
<i>Pimpinella</i> sp. B	Magee et al. (2010)	-	-	FM986451
<i>Pimpinella thellungiana</i> H.Wolff	unpublished	-	-	JF831527
<i>Pimpinella tibetanica</i> H.Wolff	unpublished	-	-	JF831528
<i>Pimpinella tragioides</i> (Boiss.) Benth & Hook.	Iran: <i>Khajepiri</i> 5389 (T)			
<i>Pimpinella tragium</i> Vill.	Tabanca et al. (2005)	-	-	AY581803
<i>Pimpinella tragium</i> Vill. subsp. lithophila (Schischk.) Tutin	Turkey: <i>Behcet</i> 8233 (VANF)			
<i>Pimpinella tragium</i> Vill. subsp. polyclada	Tabanca et al. (2005)	-	-	AY581804
<i>Pimpinella tragium</i> Vill. subsp. pseudotragium	Tabanca et al. (2005)	-	-	AY581805
<i>Pimpinella transvaalensis</i> H.Wolff	Magee et al. (2010)	-	-	FM986449
<i>Pimpinella trifurcata</i> H.Wolff	Magee et al. (2010)	-	-	FM986446
<i>Pimpinella valleculosa</i> K.T.Fu	unpublished	-	-	JF831529
<i>Pimpinella yunnanensis</i> H.Wolff	unpublished	-	-	JF831530
<i>Pleurospermum franchetianum</i> Hemsl.	Zhou et al. (2008)	FJ385232	FJ385137	EU236198
<i>Psammogeton biternatum</i> Edgew.	Downie et al. (2000c)	-	-	AF164839
<i>Psammogeton biternatum</i> Edgew.	Downie et al. (2000c)	-	-	AF164864
<i>Psammogeton canescens</i> (DC.) Vatke	Katz-Downie et al. (1999)	-	-	AF008630
<i>Psammogeton canescens</i> (DC.) Vatke	Katz-Downie et al. (1999)	-	-	AF009109
<i>Pternopetalum cardiocarpum</i> (Franch.) Hand.-Mazz.	Zhou et al. (2008, 2009)	FJ385238	FJ385143	EU236204
<i>Pternopetalum davidii</i> Franch.	Zhou et al. (2008)	FJ385239	FJ385144	EU236205
<i>Selinum carvifolia</i> (L.) L.	Spalik et al. (2004)	-	-	AY179028
<i>Selinum cryptotaenium</i> H.Boissieu	Zhou et al. (2008, 2009)	FJ385243	FJ385149	EU236206
<i>Sinocarum coloratum</i> H.Wolff	Zhou et al. (2009)	FJ385248	FJ385154	FJ385063
<i>Sinolimprichtia alpina</i> H.Wolff	Zhou et al. (2009)	FJ385251	FJ385157	FJ385064
<i>Sium frigidum</i> Hand.-Mazz.	Spalik & Downie (2006), Zhou et al. (2009)	FJ385253	FJ385159	DQ005665
<i>Sium latifolium</i> M.Bieb.	Spalik & Downie (2006), Downie & Katz-Downie (1999), Downie et al. (2000b)	AF110552	AF094425	DQ005667
<i>Sium serra</i> (Franch. & Sav.) Kitag.	Spalik & Downie (2006)	-	-	DQ005681
<i>Sium serra</i> (Franch. & Sav.) Kitag.2	Lee et al. (2010)	-	-	HQ639019
<i>Spuriopimpinella calycina</i> (Maxim.) Kitag.	Spalik et al. (2010)	-	-	GQ379330
<i>Spuriopimpinella nikoensis</i> (Yabe ex Makino & Nemoto) Kitag.	Spalik et al. (2010)	-	-	GQ379331
<i>Tongoloa tenuifolia</i> H.Wolff	Zhou et al. (2009)	FJ385256	FJ385162	FJ385066
<i>Trachyspermum scaberulum</i> (Franch.) H.Wolff	Zhou et al. (2008, 2009)	FJ385258	FJ385165	EU236215
<i>Trachyspermum triradiatum</i> H.Wolff	Zhou et al. (2008, 2009)	FJ385259	FJ385166	EU236216
<i>Zeravschania regeliana</i> Korovin	Ajani et al. (2008)	-	-	AY911861,

				AY911867
<i>Zosima absinthifolia</i> Link	Logacheva et al. (2010)	-	-	FJ861204