



Table S1. Sampled taxa and their respective GenBank accessions.

Taxa	<i>rbcl</i>	<i>rps4-trnS</i>	<i>trnL-trnF</i>	<i>atpB</i>
<i>Aenigmatogrammitis stenophylla</i> (Parris) Parris	JQ904084	–	JQ911714	JX499239
<i>Alansmia cultrata</i> (Willd.) Moguel & M.Kessler	GU376495	JN654942	JN654968	–
<i>Alansmia elastica</i> (Bory ex Willd.) Moguel & M.Kessler	KY711922	KY712249	KY711575	KY711748
<i>Alansmia heteromorpha</i> (Hook. & Grev.) Moguel & M.Kessler	KM218803	–	–	–
<i>Alansmia lanigera</i> (Desv.) Moguel & M.Kessler	GU476844	–	GU476718	GU476809
<i>Alansmia senilis</i> (Fée) Moguel & M.Kessler	GU376498	JN654941	JN654967	GU376474
<i>Alansmia stella</i> (Copel.) Moguel & M.Kessler	GU376499	JN654939	JN654965	GU376473
<i>Alansmia turrialbae</i> (Christ) Moguel & M.Kessler	GU376497	JN654944	JN654970	GU376472
<i>Ceradenia argyratea</i> (Bory ex Willd.) Parris	KY711926	KY712253	KY711579	KY711752
<i>Ceradenia aulaeifolia</i> L.E.Bishop ex A.R.Sm.	AY460619	KM106122	GU476623	AY459453
<i>Ceradenia ayapoyana</i> M.Kessler & A.R.Sm.	KM218811	KM106123	KM106053	–
<i>Cochlidium punctatum</i> (Raddi) L.E.Bishop	AY460625	–	GU476631	JF514057
<i>Cochlidium rostratum</i> (Hook.) Maxon ex C.Chr.	AY460626	–	–	AY459459
<i>Cochlidium seminudum</i> (Willd.) Maxon	AY460627	–	KM106060	AY459460
<i>Cochlidium serrulatum</i> (Sw.) L.E.Bishop [1]	JF514010	KM106133	JF514044	JF514078
<i>Cochlidium serrulatum</i> (Sw.) L.E.Bishop [2]	KY711936	KY712263	KY711589	KY711766
<i>Ctenopterella lasiostipes</i> (Mett.) Parris	KY711953	KY712279	KY711605	KY711778
<i>Davallia mariesii</i> H.J.Veitch	JX103717	JX103759	JX103801	JX103675
<i>Enterosora barbatula</i> (Baker) Parris	KY711956	KY712281	KY711607	KY711781
<i>Enterosora campbellii</i> Baker	MK319107	–	MK319005	–
<i>Enterosora devoluta</i> (Baker) Parris	KY712030	KY712347	KY711679	KM218827
<i>Enterosora forsythiana</i> (Baker) Parris	KY712033	KY712350	KY711682	KY711859
<i>Enterosora goodmanii</i> (Rakotondr.) Shalisko & Sundue	KY712037	KY712354	–	KY711871
<i>Enterosora humbertii</i> (C.Chr.) Shalisko & Sundue	KY712041	KY712358	KY711688	KY711866
<i>Grammitis bryophila</i> (Maxon) F.Seym.	AF468208	KM106143	AF469797	AF469784
<i>Grammitis copelandii</i> Tardieu	KY712057	KY712374	KY711703	KY711882
<i>Grammitis coriaceifolia</i> Rakotondr. & Parris	KY711971	KY712294	KY711620	KY711796
<i>Grammitis cryptophlebia</i> (Baker) Copel.	KY712059	KY712377	KY711705	KY711885
<i>Grammitis ebenina</i> (Maxon) Tardieu	KY712001	KY712320	KY711650	KY711825
<i>Grammitis kyimbilensis</i> (Brause) Copel. [1]	KY711988	KY712310	KY711637	EF178641
<i>Grammitis kyimbilensis</i> (Brause) Copel. [2]	KY711989	KY712311	KY711638	KY711815
<i>Grammitis melanoloma</i> (Cordem.) Tardieu	AY460643	KY712313	GU476641	AY459475
<i>Grammitis paramicola</i> L.E.Bishop	KM218801	KM106149	KM106067	KM218816
<i>Howeogrammitis diminuta</i> (Baker)	JF950809	–	JF950910	–
Parris, Sundue, Li Bing Zhang & X.M. Zhou				
<i>Lecanopteris carnososa</i> (Reinw.) Blume	AF470322	AY096227	AY083625	–
<i>Lellingeria apiculata</i> (Kunze ex Klotzsch) A.R.Sm. & R.C.Moran	GU387025	GU387047	GU387215	GU376573
<i>Lellingeria bishopii</i> Labiak	GU476878	GU387048	GU387216	GU376574
<i>Lellingeria flagellipinnata</i> M. Kessler & A.R.Sm.	GU387015	GU387055	GU387223	GU376581
<i>Leucotrichum mitchelliae</i> (Baker) Labiak	GU376487	JN654938	JN654964	GU376480
<i>Leucotrichum mertonii</i> (Copel.) Labiak	GU376489	–	–	GU376478
<i>Leucotrichum organense</i> (Gardner) Labiak	GU376491	JN654947	JN654973	GU376484
<i>Leucotrichum pseudomitchelliae</i> (Lellinger) Labiak	AY460652	–	–	AY459484
<i>Leucotrichum schenckii</i> (Hieron.) Labiak	AY460651	–	KM106072	AY459483
<i>Melpomene albicans</i> Lehnert	FJ011046	–	–	FJ011009
<i>Melpomene allosuroides</i> (Rosenst.) A.R.Sm. & R.C.Moran	GU387038	GU387109	GU387273	GU376628
<i>Melpomene anazalea</i> Sundue & Lehnert	GU476898	KM106152	GU476662	GU476773
<i>Melpomene erecta</i> (C.V.Morton) A.R.Sm. & R.C.Moran	GU387013	GU387110	GU387274	GU376629
<i>Melpomene firma</i> (J.Sm.) A.R.Sm. & R.C.Moran	GU387035	GU387112	GU387276	GU376630
<i>Melpomene flabelliformis</i> (Poir.) A.R.Sm. & R.C.Moran [1]	GU387028	KY712328	–	GU376632

Table S1. Cont.

Taxa	<i>rbcl</i>	<i>rps4-trnS</i>	<i>trnL-trnF</i>	<i>atpB</i>
<i>Melpomene flabelliformis</i> (Poir.) A.R.Sm. & R.C.Moran [2]	KY712011	KY712327	KY711660	KY711835
<i>Melpomene flabelliformis</i> (Poir.) A.R.Sm. & R.C.Moran [3]	KY712012	KY712328	KY711661	KY711836
<i>Melpomene melanosticta</i> (Kunze) A.R.Sm. & R.C.Moran	GU387024	GU387115	GU387279	GU376633
<i>Melpomene xiphopteroides</i> (Liebm.) A.R.Sm. & R.C.Moran	GU387040	GU387120	GU387283	GU376638
<i>Nanogrammitis holophlebia</i> (Baker)	KY711984	–	KY711633	–
<i>Nanogrammitis obtusa</i> (Willd. ex Kaulf.)	KF992493	KY712315	KY711641	KY711818
<i>Nanogrammitis pellucidovenosa</i> (Bonap.)	KY711996	–	KY711645	KY711820
<i>Nanogrammitis pervillei</i> (Met. ex Kuhn)	KY712061	KY712379	KY711707	KY711887
<i>Nanogrammitis synsora</i> (Baker)	KY712006	–	KY711654	KY711826
<i>Oleandra cumingii</i> J.Sm.	KJ196816	–	KJ196690	KJ196497
<i>Oxygrammitis denticulata</i> (Blume) Parris & Sundue	JF514013	KM106134	JF514047	JF514081
<i>Phlebodium areolatum</i> (Willd.) J.Sm.	MW876348	–	–	–
<i>Platyserium alcorni</i> Desv.	DQ164445	DQ164476	DQ16450	–
<i>Platyserium andinum</i> Baker	DQ164446	DQ164477	DQ164510	–
<i>Platyserium bifurcatum</i> (Cav.) C.Chr.	MN623367	–	–	–
<i>Platyserium ellisii</i> Baker	DQ164450	DQ164481	DQ164481	–
<i>Platyserium grande</i> (A.Cunn. ex Hook.) J.Sm.	DQ164451	DQ164482	DQ164515	–
<i>Platyserium quadridichotomum</i> (Bonap.) Tardieu	DQ164455	DQ164486	DQ164519	–
<i>Platyserium stemaria</i> (P.Beauv.) Desv.	EF463257	DQ164488	DQ164521	EF463506
<i>Pleopeltis appressa</i> M.Kessler & A.R.Sm.	DQ642172	DQ642211	DQ642259	–
<i>Pleopeltis astrolepis</i> (Liebm.) E.Fourn.	EU650106	EU650145	EU650067	–
<i>Pleopeltis bombycina</i> (Maxon) A.R.Sm.	EU650136	EU650175	EU650097	–
<i>Pleopeltis collinsii</i> (Maxon) A.R.Sm. & Tejero	EU650130	EU650169	EU650091	–
<i>Pleopeltis conzattii</i> (Weath.) R.M.Tryon & A.F.Tryon	EU650103	EU650142	EU650064	–
<i>Pleopeltis crassinervata</i> T.Moore	EU650105	EU650144	EU650066	–
<i>Pleopeltis fallax</i> (Schltdl. & Cham.) Mickel & Beitel	MW620401	EU650147	EU650069	–
<i>Pleopeltis fructuosa</i> (Maxon & Weath.) Lellinger	EU650101	EU650140	EU650062	–
<i>Pleopeltis guttata</i> (Maxon) E.G.Andrews & Windham	EU650111	EU650150	EU650072	–
<i>Pleopeltis intermedia</i> M.Kessler & A.R.Sm.	EU650107	EU650146	EU650068	–
<i>Pleopeltis macrocarpa</i> (Bory ex Willd.) Kaulf. [1]	DQ642178	DQ642216	DQ642265	–
<i>Pleopeltis macrocarpa</i> (Bory ex Willd.) Kaulf. [2]	–	DQ642219	DQ642267	EF463507
<i>Pleopeltis macrolepis</i> (Maxon) A.R.Sm. & Tejero	EU650134	EU650173	EU650095	–
<i>Pleopeltis madrensis</i> (J.Sm.) A.R.Sm. & Tejero	EU650110	EU650149	EU650071	–
<i>Pleopeltis mexicana</i> Fée Mickel & Beitel	EU650102	EU650141	EU650063	–
<i>Pleopeltis monosora</i> (Desv.) A.R.Sm.	EU650118	EU650157	EU650079	–
<i>Pleopeltis montigena</i> (Maxon) A.R.Sm. & Tejero	EU650114	EU650153	EU650075	–
<i>Pleopeltis munchii</i> (Christ) A.R.Sm.	EU650113	EU650152	EU650074	–
<i>Pleopeltis murorum</i> (Hook.) A.R.Sm. & Tejero	EU650119	EU650158	EU650080	–
<i>Pleopeltis myriolepis</i> (Christ) A.R.Sm. & Tejero	EU650131	EU650170	EU650092	–
<i>Pleopeltis platylepis</i> (Mett. ex Kuhn) A.R.Sm. & Tejero	EU650115	EU650154	EU650076	–
<i>Pleopeltis plebeia</i> (Schltdl. & Cham.) A.R.Sm. & Tejero	EU650116	EU650155	EU650077	–
<i>Pleopeltis polylepis</i> (Roem. ex Kunze) T.Moore	EU650104	EU650143	EU650065	–
<i>Pleopeltis pycnocarpa</i> (C.Chr.) A.R.Sm.	EU650120	EU650159	EU650081	–
<i>Pleopeltis remota</i> (Desv.) A.R.Sm.	DQ642180	DQ642220	DQ642268	–
<i>Pleopeltis rosei</i> (Maxon) A.R.Sm. & Tejero	U27728	–	–	EU268755
<i>Pleopeltis rzedowskiana</i> (Mickel) A.R.Sm. & Tejero	EU650117	EU650156	EU650078	–
<i>Pleopeltis thysanolepis</i> (A.Braun ex Klotzsch) E.G.Andrews & Windham	EU650112	EU650151	EU650073	–
<i>Pleopeltis tweediana</i> (Hook.) A.R.Sm.	DQ642182	DQ642222	DQ642270	–
<i>Pleopeltis wiesbaurii</i> (Sodiolo) Lellinger	EU650109	EU650148	EU650070	–
<i>Polypodium glycyrrhiza</i> D.C.Eaton	KP136832	–	–	–

Table S1. Cont.

Taxa	<i>rbcl</i>	<i>rps4-trnS</i>	<i>trnL-trnF</i>	<i>atpB</i>
<i>Polypodium sibiricum</i> Sipliv.	MW876355	–	–	–
<i>Pyrrosia lingua</i> (Thunb.) Farw.	MT210540	–	–	–
<i>Rouhania pygmaea</i> (Bory ex Willd.) Li Bing Zhang, XM Zhou, Jian Jun Yang & Liang Zhang [1]	KY711999	KY712318	KY711648	KY711824
<i>Rouhania pygmaea</i> (Bory ex Willd.) Li Bing Zhang, XM Zhou, Jian Jun Yang & Liang Zhang [2]	KY712000	KY712319	KY711649	–
<i>Serpocaulon appressum</i> (Copel.) A.R.Sm.	DQ151905	DQ151930	DQ151957	–
<i>Serpocaulon articulatum</i> (C.Presl) Schwartsb. & A.R.Sm.	DQ151910	DQ151935	–	–
<i>Serpocaulon dissimile</i> (L.) A.R.Sm.	DQ151908	DQ151933	DQ15196	–
<i>Serpocaulon levigatum</i> (Cav.) A.R.Sm.	DQ151917	EF551103	–	–
<i>Serpocaulon loriceum</i> (L.) A.R.Sm.	EF551074	EF551104	–	–
<i>Stenogrammitis hartii</i> (Jenman) Labiak	GU386985	GU387057	GU387225	GU376583
<i>Stenogrammitis hellwigii</i> (Mickel & Beitel) Labiak	GU386990	GU387058	GU387226	GU376584
<i>Stenogrammitis hildebrandtii</i> (Hieron.) Labiak	GU386975	GU387059	GU387227	GU376585
<i>Stenogrammitis jamesonii</i> (Sw.) Labiak	GU386988	GU387077	GU387240	GU376599
<i>Stenogrammitis limula</i> (Christ) Labiak	GU387023	GU387067	GU387232	GU376591
<i>Stenogrammitis myosuroides</i> (Sw.) Labiak	GU386971	GU387072	GU387236	GU376595
<i>Stenogrammitis oosora</i> (Baker) Labiak [1]	GU386972	GU387078	GU387241	GU376600
<i>Stenogrammitis oosora</i> (Baker) Labiak [2]	KY712022	KY712338	KY711671	KY711846
<i>Stenogrammitis prionodes</i> (Mickel & Beitel) Labiak	GU386991	GU387086	GU387249	–
<i>Stenogrammitis pumila</i> (Labiak) Labiak	GU387022	GU387089	GU387252	GU376608
<i>Stenogrammitis saffordii</i> (Maxon) Labiak	EF178628	KM106191	EF178662	EF178645
<i>Stenogrammitis wittigiana</i> (Fée & Glaz. ex Fée) Labiak	GU386989	GU387073	GU387269	GU376624

