

Supplementary material

On *Monocarpus* (Monocarpaceae, Marchantiopsida), an isolated salt-pan complex thalloid liverwort

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Table S1. Voucher information and GenBank accession numbers

In total, 135 sequences were newly generated for the present study

Organism	Voucher	Locality	nr LSU (26S)	rbcL	rps4	psbA	atpB	rpoC1	cpITS	nad1
<i>Asterella africana</i> (Mont.) A. Evans	Schill 18 (E)	Portugal: Madeira	DQ265770	DQ285999	DQ220673	KT356958	KT356897	KT356989	KT356910	KT356945
<i>Austrorella salta</i> Milne & Cargill	Jolley & Milne 174 (CANB)	Australia: Western Australia	KT356898	KT356969	KT356979	KT356959	KT356898	KT356990	KT356911	KT356946
<i>Blasia pusilla</i> L.	Renzaglia s.n. (ABSH)	USA: NC	AY688683	AF536232	AY507436	AY507477	AY507349	—	KT356912	KJ590802
<i>Bucegia romanica</i> Radian	H720 (E)	Romania	KT356887	KT356970	KT356980	KT356960	----	—	KT356913	KT356947
<i>Cavicularia densa</i> Steph.	Nishimura s.n. (ABSH)	Japan	---	DQ268968	DQ268984	AY507479	KJ590844	KT356991	KT356914	KJ590804
<i>Clevea hyalina</i> (Sommerf.) Lindb.	Schill 60 (E)	Austria	DQ265773	DQ286002	DQ220676	DQ265746	KJ590845	KT356992	KT356915	KJ590805
<i>Conocephalum conicum</i> (L.) Dumort. s.lat.	Long 35565 (E)	UK: Scotland	KT356888	KT356971	KT356981	KT356961	KT356899	KT356993	KT356916	KT356948
<i>Corsinia coriandrina</i> (Spreng.) Lindb.	Schill 9 (E)	Portugal: Madeira	DQ265777	DQ286006	DQ220680	DQ265750	KJ590846	KT356994	KT356917	KJ590806
<i>Cryptomitrium tenerum</i> (Hook.) Austin ex Underw.	Doyle 11447 (ABSH)	USA: CA	KT356889	KT356972	KT356982	KT356962	KT356900	FJ173789	KT356918	KT356949
<i>Cyathodium spruceanum</i> Prosk.	Salazar Allen & Lepiz 20916 (PMA)	Costa Rica	KT356890	KT356973	KT356983	KT356963	KT356901	KT356995	KT356919	KT356950
<i>Dumortiera hirsuta</i> (Sw.) Nees	Long, Garcia & De Luna 29627 (E)	Mexico: Veracruz	DQ265780	DQ286009	DQ220683	DQ265753	KJ590849	KT356996	KT356920	KJ590809
<i>Exormothesa pustulosa</i> Mitt.	Schill 8 (E)	Portugal: Madeira	DQ265781	DQ286010	DQ220684	DQ265754	KJ590850	KT356997	KT356921	KJ590810
<i>Geothallus tuberosus</i> Campb.	Doyle 11449 (ABSH)	USA	KJ590833	KJ590911	KJ590955	KJ590869	KJ590851	KT356998	KT356922	KJ590811
<i>Lunularia cruciata</i> (L.) Lindb.	Long 29553 (E)	Mexico: Distrito Federal	DQ265782	DQ286011	DQ220685	DQ265755	KT356902	KT357000	KT356923	KT356951
<i>Mannia californica</i> (Gottsche) L.C. Wheeler	Long 35035 (E)	China	GQ910726	KJ590913	KJ590956	KJ590870	KJ590852	KT357001	KT356924	KJ590814
<i>Marchantia polymorpha</i> L.	Kungu RBG 201 (E)	UK: Scotland	KT356891	KT356974	KT356984	KT356964	KT356903	KT357002	KT356925	KT356952
<i>Monocarpus sphaerocarpos</i> D.J.Carr	Jolley & Milne 171 (CANB)	Australia: Western Australia	KT356886	KT356975	KT356985	KT356965	KT356904	KT357003	KT356926	KT356953
<i>Monoclea gottschei</i> Lindb.	Stotler & Crandall-Stotler 89-60 (ABSH)	Puerto Rico	AY688691	AY507414	AY507455	AY507498	KT356905	HQ026347	KT356927	JF513372
<i>Monoselenium tenerum</i> Griff.	Gradstein s.n. (E)	Germany: Gottingen Botanic Garden	DQ265788	DQ286017	DQ220691	KJ590871	KJ590855	KT357004	KT356928	KJ590817
<i>Neohodgsonia mirabilis</i> (Press.) Perss.	Malcom s.n. (H189) (ABSH)	New Zealand: South Island	AY688692	AY507415	AY507456	AY507499	AY877396	—	KT356929	KJ590818
<i>Oxymitra incrassata</i> (Brot.) Sergion & Sim-Sim	L35508/H710	Italy	KJ590834	KJ590914	KJ590957	KJ590872	KJ590856	KT357005	KT356930	KJ590819
<i>Peltolepis quadrata</i> (Saut.) Moell. Frib.	Long et al. 31360 (E)	Norway	DQ265790	DQ28601	DQ220693	DQ265762	KJ590857	KT357006	KT356931	KJ590820
<i>Plagiochamsa appendiculatum</i> Lehm. & Lindenb.	Long 28934 (E)	Nepal	KT356892	KT356976	KT356986	KT356966	KT356906	KT357007	KT356932	KT356954
<i>Preissia quadrata</i> (Scop.) Nees	Long 33268 (E)	UK: Scotland	DQ265793	KJ590916	KJ590959	KJ590874	KJ590859	KT357008	KT356933	KJ590822
<i>Reboulia hemisphaerica</i> (L.) Raddi	Long 32250 (E)	China: Yunnan	KJ590836	KJ590917	KJ590960	KJ590875	KJ590860	KT357010	KT356935	KJ590823
<i>Riccia fluitans</i> L.	Cady s.n. (H77) (E)	USA: IA	DQ265795	DQ286023	DQ220696	DQ265766	KJ590861	—	KT356936	KJ590824
<i>Ricciocarpos natans</i> (L.) Corda	Seppelt 20467 (E, ADT)	Australia: Victoria	DQ265796	DQ286024	DQ220698	DQ265767	KJ590862	—	KT356937	KJ590825
<i>Riella helicophylla</i> (Bory & Mont.) Mont.	Long 35627 (E)	France	KJ590837	KJ590918	KJ590961	KJ590876	KJ590863	KT357011	KT356938	KJ590826
<i>Sauteria alpina</i> (Nees) Nees	Schill 64 (E)	Austria	DQ265797	DQ286025	DQ220699	DQ265768	KJ590864	KT357012	KT356939	KJ590827
<i>Sphaerocarpos cristatus</i> M.A.Howe	Doyle 11453 (ABSH)	USA: CA	KT356894	KT356977	KT356987	KT356967	KT356907	KT357013	KT356940	—
<i>Sphaerocarpos michelii</i> Bellardi	Thouvenot s.n. (H918) (E)	France	KT356895	KT356978	KT356988	KT356968	KT356908	KT357014	KT356941	KT356955
<i>Sphaerocarpos texanus</i> Austin	Stotler & Crandall-Stotler 1515 (ABSH)	USA: IL	AY688697	AY507425	AY507466	AY507511	AY507382	KT357015	KT356942	KT356956
<i>Targionia hypophylla</i> L.	Schill 11 (E)	Portugal	DQ265798	DQ286026	DQ220700	DQ265769	KT356909	FJ173801	KT356943	KT356957

Organism	Voucher	Locality	nr LSU (26S)	rbcL	rps4	psbA	atpB	rpoC1	cpITS	nad1
<i>Wiesnerella denudata</i> (Mitt.) Steph.	Long 30337 (E)	Nepal	DQ265799	DQ286027	DQ220701	—	KJ590866	—	KT356944	KJ590830
<i>Apotreubia nana</i> (S. Hatt. & Inoue) S. Hatt. & Mitz.	Long 30451 (E)	Nepal	DQ460030	AY877389	DQ268983	AY877397	KJ590840	—	—	KJ590799
<i>Haplomitrium blumei</i> (Nees) R.M. Schust.	Furuki 384 (ABSH)	Malaysia	AY877368	AY507402	AY507443	AY507485	AY507357	KT356999	—	KJ590812
<i>Haplomitrium gibbsiae</i> (Steph.) R.M. Schust.	Stotler & Crandall-Stotler 4541 (ABSH)	New Zealand: South Island	AY877369	AY688781	AY688793	—	—	—	—	—
<i>Metzgeria pubescens</i> (Schrank) Raddi	Long, D.G. 29523 (E)	UK: Scotland	DQ268876	DQ268967	DQ268982	DQ268994	KF852044	—	—	KF852483
<i>Pallavicinia lyellii</i> (Hook.) Caruth.	Marsh s.n. (ABSH)	USA: AR	AY734742	AY507416	AY688798	AY507501	AY507373	—	—	JF513374
<i>Pellia epiphylla</i> (L.) Corda	Stotler & Crandall-Stotler 4414 (ABSH)	USA: NC	AY688693	AY688787	AY507457	AY507502	AY688823	—	—	JF513375
<i>Pleurozia purpurea</i> Lindb.	Schofield 102815 (DUKE)	USA	KT356896	AY608037	AY608100	AY607979	AY607913	—	—	AY607889
<i>Ptilidium pulcherrimum</i> (G.Web.) Vainio	Qiu 00003 (F)	USA: MA	KF851769	KF852378	KF851468	KF851939	KF852080	KT357009	KT356934	KF852539
<i>Treubia lacunosoides</i> T.Pfeiff, W.Frey & M.Stech	Stotler & Crandall-Stotler 4582 (ABSH)	New Zealand: South Island	DQ268905	AY507429	AY507469	AY507515	AY507386	—	—	JF513379