

SHAW, A. JONATHAN, CYMON J. COX, AND SANDRA B. BOLES. 2003. Polarity of peatmoss (*Sphagnum*) evolution: who says bryophytes have no roots? *American Journal of Botany* 90(12): 1777-1787.

APPENDIX 1. Taxa, vouchers and Genbank accession numbers for all sequences. ? = no sequence was obtained; NA = sequence was not applicable.

Taxon	Voucher	Nad1	Nad5	Nad7	psbA	psbT	rbcl	rps4	trnG	trnL
<i>Andreaea rothii</i>	Shaw 11565 (DUKE)	AY312856	AY312862	AY312858	AY312863	AY312864	AY312865	AY312866	NA	NA
<i>Sphagnum affine</i>	Long 28884 (DUKE)	AY309531	AY309555	AY309579	AY309603	AY309627	AY309689	AY309713	AY309755	AY297996
<i>Sphagnum angustifolium</i>	Shaw 9639 (DUKE)	AY309532	AY309556	AY309580	AY309604	AF193649	AY309690	AY309714	AY309756	AY298005
<i>Sphagnum aongstroemii</i>	Andrus & Flatberg 7531 (DUKE)	AY309533	AY309557	AY309581	AY309605	AF193646	AY309691	AY309715	AY309757	AF192619
<i>Sphagnum compactum</i>	Shaw 9332 (DUKE)	AY309534	AY309558	AY309582	AY309606	AF193632	AY309692	AY309716	AY309758	AF192578
<i>Sphagnum cuspidatum</i>	Shaw 9327 (DUKE)	AY309536	AY309560	AY309584	AY309608	AY309629	AY309694	AY309718	AY309760	AF192633
<i>Sphagnum cyclophyllum</i>	Shaw 8560 (DUKE)	AY309537	AY309561	AY309585	AY309609	AF193630	AY309695	AY309719	AY309761	AF192562
<i>Sphagnum cymbifoloides</i>	Streimann 47192 (NYBG)	AY309538	AY309562	AY309586	AY309610	AF193639	AY309696	AY309720	AY309762	AF192584
<i>Sphagnum fuscum</i>	Shaw 9678 (DUKE)	AY309539	AY309563	AY309587	AY309611	AF193654	AY309697	AY309721	AY309763	?
<i>Sphagnum lapazense</i>	Price, et al. 1236 (MICH)	AY309540	AY309564	AY309588	AY309612	AY309630	AY309698	AY309722	AY309764	AY298153
<i>Sphagnum lescurii</i>	Shaw s.n. (DUKE)	AY309541	AY309565	AY309589	AY309613	AF193629	AY309699	AY309723	AY309765	AF192565
<i>Sphagnum perichaetiale</i>	Shaw 9213 (DUKE)	AY309542	AY309566	AY309590	AY309614	AF193627	AY309700	AY309724	AY309766	AF192575
<i>Sphagnum portoricense</i>	Anderson 26770 (DUKE)	AY309543	AY309567	AY309591	AY309615	AF193640	AY309701	AY309725	AY309767	AF192577
<i>Sphagnum pulchrum</i>	Shaw 9796 (DUKE)	AY309544	AY309568	AY309592	AY309616	AF193650	AY309702	AY309726	AY309768	AY298224
<i>Sphagnum quinquefarium</i>	Shaw 9682 (DUKE)	AY309545	AY309569	AY309593	AY309617	AF193652	AY309703	AY309727	AY309769	AF192608
<i>Sphagnum recurvum</i>	Shaw 9196 (DUKE)	AY309546	AY309570	AY309594	AY309618	AF193635	AY309704	AY309728	AY309770	AF192569
<i>Sphagnum sericeum</i>	Tan & Harrison s.n. (DUKE)	AY309535	AY309559	AY309583	AY309607	AY309628	AY309693	AY309717	AY309759	AY298061
<i>Sphagnum sericeum</i>	Yamaguchi 18926 (DUKE)	AY309547	AY309571	AY309595	AY309619	AY309631	AY309705	AY309729	AY309771	AY298280
<i>Sphagnum squarrosum</i>	Higuchi 40888 (DUKE)	AY309548	AY309572	AY309596	AY309620	AY309632	AY309706	AY309730	AY309772	AY298287
<i>Sphagnum steerei</i>	Andrus 8574 (DUKE)	AY309549	AY309573	AY309597	AY309621	AF193644	AY309707	AY309731	AY309773	AF192574
<i>Sphagnum strictum</i>	Shaw 9406 (DUKE)	AY309550	AY309574	AY309598	AY309622	AF193631	AY309708	AY309732	AY309774	AF192585
<i>Sphagnum subnitens</i>	Shaw 9723 (DUKE)	AY309551	AY309575	AY309599	AY309623	AF193655	AY309709	AY309733	AY309775	AY298303
<i>Sphagnum tenerum</i>	Shaw 9335 (DUKE)	AY309552	AY309576	AY309600	AY309624	AF193628	AY309710	AY309734	AY309776	AF192588
<i>Sphagnum teres</i>	Hedderson 7928 (DUKE)	AY309553	AY309577	AY309601	AY309625	AF193653	AY309711	AY309735	AY309777	AF192596
<i>Sphagnum wulfianum</i>	Shaw 9855 (DUKE)	AY309554	AY309578	AY309602	AY309626	AY309633	AY309712	AY309736	AY309778	AY298357
<i>Takakia lepidozioioides</i>	Schofield 86563 (DUKE)	AY312857	AY312889	AY312859	AY312921	AF193624	AY312936	AF306950	NA	NA

APPENDIX 1 – continued. Taxa, vouchers and Genbank accession numbers for all sequences. ? = no sequence was obtained; NA = sequence was not applicable.

Taxon	Voucher	26S-1	26-2	ITS	LEAFY-L	LEAFY-S	RAPDa	RAPDb	RAPDf
<i>Andreaea rothii</i>	Shaw 11565 (DUKE)	AY312860	AY312861	NA	NA	NA	NA	NA	NA
<i>Sphagnum affine</i>	Long 28884 (DUKE)	AY309504	AY313205	AY298363	AY309511	AY309737	AY309634	AY309653	AY309672
<i>Sphagnum angustifolium</i>	Shaw 9639 (DUKE)	AF197086	AF198021	AF193686	AY309512	AY309738	AY309635	AY309654	AY309673
<i>Sphagnum aongstroemii</i>	Andrus & Flatberg 7531 (DUKE)	AF197083	AF198018	AF193748	AY309513	AY309739	AY309636	AY309655	AY309674
<i>Sphagnum compactum</i>	Shaw 9332 (DUKE)	AF197069	AF198004	AY298419	AY309514	?	AY309637	AY309656	AY309675
<i>Sphagnum cuspidatum</i>	Shaw 9327 (DUKE)	AY309506	AY313206	AF193677	?	?	AY309638	AY309657	AY309676
<i>Sphagnum cyclophyllum</i>	Shaw 8560 (DUKE)	AF197067	AF198002	AF193665	AY309516	AY309741	AY309639	AY309658	AY309677
<i>Sphagnum cymbifoloides</i>	Streimann 47192 (NYBG)	AF197076	AF198011	AF193713	AY309517	AY309742	AY309640	AY309659	AY309678
<i>Sphagnum fuscum</i>	Shaw 9678 (DUKE)	AF197091	AF198026	AY309503	AY309518	AY309743	AY309641	AY309660	AY309679
<i>Sphagnum lapazense</i>	Price, et al. 1236 (MICH)	AY309507	?	AY298521	AY309519	AY309744	NA	NA	NA
<i>Sphagnum lescurii</i>	Shaw s.n. (DUKE)	AF197066	AF198001	AF193667	AY309520	AY309745	AY309642	AY309661	AY309680
<i>Sphagnum perichaetiale</i>	Shaw 9213 (DUKE)	AF197064	AF197999	AF193700	?	?	AY309643	AY309662	?
<i>Sphagnum portoricense</i>	Anderson 26770 (DUKE)	AF197077	AF198012	AF193705	AY309521	?	AY309644	AY309663	AY309681
<i>Sphagnum pulchrum</i>	Shaw 9796 (DUKE)	AF197087	AF198022	AY298591	?	?	?	?	?
<i>Sphagnum quinquefarium</i>	Shaw 9682 (DUKE)	AF197089	AF198024	AF193743	AY309522	AY309746	AY309645	AY309664	AY309682
<i>Sphagnum recurvum</i>	Shaw 9196 (DUKE)	AF197072	AF198007	AF193682	AY309523	AY309747	AY309646	AY309665	AY309683
<i>Sphagnum sericeum</i>	Tan & Harrison s.n. (DUKE)	AY309505	?	AY298430	AY309515	AY309740	NA	NA	NA
<i>Sphagnum sericeum</i>	Yamaguchi 18926 (DUKE)	AY309508	AY313207	AY298644	AY309524	AY309748	NA	NA	NA
<i>Sphagnum squarrosom</i>	Higuchi 40888 (DUKE)	AY309509	AY313208	AY298651	AY309525	AY309749	AY309647	AY309666	AY309684
<i>Sphagnum steerei</i>	Andrus 8574 (DUKE)	AF197081	AF198016	AF193721	?	?	?	?	?
<i>Sphagnum strictum</i>	Shaw 9406 (DUKE)	AF197068	AF198003	AF193714	AY309526	AY309750	AY309648	AY309667	?
<i>Sphagnum subnitens</i>	Shaw 9723 (DUKE)	AF197092	AF198027	AY298667	AY309527	AY309751	AY309649	AY309668	AY309685
<i>Sphagnum tenerum</i>	Shaw 9335 (DUKE)	AF197065	AF198000	AF193672	AY309528	AY309752	AY309650	AY309669	AY309686
<i>Sphagnum teres</i>	Hedderson 7928 (DUKE)	AF197090	AF198025	AF193720	AY309529	AY309753	AY309651	AY309670	AY309687
<i>Sphagnum wulfianum</i>	Shaw 9855 (DUKE)	AY309510	AY313209	AY298722	AY309530	AY309754	AY309652	AY309671	AY309688
<i>Takakia lepidozioioides</i>	Schofield 86563 (DUKE)	AF197061	AF197997	NA	NA	NA	NA	NA	NA