

Supplementary Table 2 | Intra- and interspecific variation of closely related species, number of intra-individual polymorphic sites (ITS)

B) *Stuckenia amblyphylla*, *S. pamirica*, *S. filiformis* (genotypes 1 and 2 and intraspecific hybrids), *S. vaginata* (genotypes 1, 2a and 2b), and a hybrid involving *S. filiformis* genotype 1 (second parent probably *S. vaginata*)

Species (isolate)	Position in alignment (ITS 1 ITS 2)												polym. sites (accessions)		
	52	116	146-147	226	488	568	612	615	620	648	649	658	664	713-716	
<i>S. amblyphylla</i> (2602)	G	A	–	T	A	C	T	C	G	T	C	T	A	–	0
<i>S. amblyphylla</i> (2603)	G	A	–	T	A	C	T	C	G	T	C	T	A	–	0
<i>S. pamirica</i> (1753)	A	A	AC	T	C	T	T	C	G	T	C	W	C	TATG/-	1 + indel
<i>S. filiformis</i> genotype 1 (1987, 1989, 1992, 2006, 2288, 2290, 2291, 2296, 2297, 2298, 2322, 3216, 3217, 3218, 3229, 3248, 3252)	A	A	–	T	C	T	T	C	G	T	C	T	C	–	0 (17)
<i>S. filiformis</i> genotype 1 × genotype 2 (1060)	R	A	–	T	C	T	T	C	G	T	C	T	C	–	1
<i>S. filiformis</i> genotype 1 × genotype 2 (1703)	R	A	–	T	C	T	T	C	G	T	C	T	C	–	1
<i>S. filiformis</i> genotype 1 × genotype 2 (1985)	R	A	–	T	C	T	T	C	G	T	C	T	C	–	1
<i>S. filiformis</i> genotype 1 × <i>S. vaginata</i> (2446)*	R	A	–	Y	C	T	T	S	G	T	C	T	C	–	3*
<i>S. filiformis</i> genotype 1 × <i>S. vaginata</i> (2452)*	r	A	–	Y	C	T	T	S	G	T	C	T	C	–	3*
[second parent of 2446 and 2452, predicted sequence]	G	A	–	C	C	T	T	G	G	T	C	T	C	–	-
<i>S. filiformis</i> genotype 2 (1187, 1941, 2108, 2134, 2440, 2453, 2462, 2463, 2464, 2543, 2793, 2794, 3192)	G	A	–	T	C	T	T	C	G	T	C	T	C	–	0 (13)
<i>S. filiformis</i> genotype 2 (2095)	G	A	–	T	C	T	T	C	G	Y	C	T	C	–	1
<i>S. filiformis</i> genotype 2 (2461)	G	A	–	T	C	T	T	C	G	T	S	T	C	–	1
<i>S. vaginata</i> genotype 1 (1919)	G	A	–	T	C	T	T	C	T	T	C	T	C	–	0
<i>S. vaginata</i> genotype 1 (2052)	G	A	–	T	C	T	T	C	T	T	C	T	C	–	0
<i>S. vaginata</i> genotype 1 (2097)	G	A	–	T	C	T	T	C	T	T	C	T	C	–	0
<i>S. vaginata</i> genotype 1 (2132)	G	A	–	T	C	T	T	C	T	T	C	T	C	–	0
<i>S. vaginata</i> genotype 2a (1063)	G	G	–	T	C	T	T	C	G	T	C	T	C	–	0
<i>S. vaginata</i> genotype 2a (1976)	G	G	–	T	C	T	T	C	G	T	C	T	C	–	0
<i>S. vaginata</i> genotype 2a (1999)	G	G	–	T	C	T	T	C	G	T	C	T	C	–	0
<i>S. vaginata</i> genotype 2b (2016)	G	G	–	T	C	T	A	C	G	T	C	T	C	–	0

* hybrids with an unknown genotype of another species, according to cpDNA similar to *S. vaginata*

Groenlandia densa: three identical sequences, no polymorphisms, no close relatives

Legend: Variable positions are shown. Colors are for better distinction of the variation. Samples in bold cover the variation and were used for tree construction.
c: cloned sequences, major/minor: dominant ribotype/underrepresented ribotype in sequence electropherogram.