

Spore abortion index (SAI) as a promising tool of evaluation of spore fitness in ferns: An insight into sexual and apomictic species

Plant Systematics and Evolution

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Online Resource 2 Total SAI (%) and two measures of variation (%) for all samples used in the study. Range of SAI within 100s represents the difference between the highest and the lowest SAI value for individual sets of 100 spores within a sample. Difference between 500s expresses the difference between two distinct parts of the frond, this difference is tested and adjusted p value presented.

Taxon	ID within taxon	Total SAI	Range of SAI within 100s	Difference between 500s	Adjusted p-value
<i>Asplenium adiantum-nigrum</i>	1	2.5	0-5	0.6	0.7815
<i>Asplenium adiantum-nigrum</i>	2	1.6	0-4	0.4	0.9079
<i>Asplenium adiantum-nigrum</i>	3	4.4	2-7	0.8	0.8122
<i>Asplenium adiantum-nigrum</i>	4	6.2	4-9	0.4	0.9871
<i>Asplenium adiantum-nigrum</i>	5	2.3	0-5	0.2	0.9834
<i>Asplenium cuneifolium</i>	1	2	1-4	0	1
<i>Asplenium cuneifolium</i>	2	1.8	0-5	0.8	0.5522
<i>Asplenium cuneifolium</i>	3	0.8	0-2	0	1
<i>Asplenium cuneifolium</i>	4	1.4	0-3	2	0.0559
<i>Asplenium cuneifolium</i>	5	11.6	5-16	3.6	0.2510
<i>Asplenium onopteris</i>	1	2.4	0-4	0.4	0.8382
<i>Asplenium onopteris</i>	2	2.4	1-5	2	0.1662
<i>Asplenium onopteris</i>	3	2.5	0-6	1.8	0.2449
<i>Asplenium onopteris</i>	4	4.1	0-9	2.2	0.2619
<i>Asplenium onopteris</i>	5	1.8	0-4	1.6	0.2449
<i>Asplenium ruta-muraria</i>	1	3.3	1-6	1	0.7159
<i>Asplenium ruta-muraria</i>	2	0.8	0-2	0.8	0.5038
<i>Asplenium ruta-muraria</i>	3	1	0-2	0.4	0.8382
<i>Asplenium ruta-muraria</i>	4	1.2	0-2	0	1
<i>Asplenium ruta-muraria</i>	5	5.3	1-9	0.2	1
<i>Asplenium trichomanes</i> nothosubsp. <i>lusaticum</i>	1	99.6	98-100	0.8	0.2510
<i>Asplenium trichomanes</i> nothosubsp. <i>lusaticum</i>	2	99.9	99-100	0.2	0.7815
<i>Asplenium trichomanes</i> nothosubsp. <i>lusaticum</i>	3	99.9	99-100	0.2	0.7815
<i>Asplenium trichomanes</i> nothosubsp. <i>lusaticum</i>	4	99.9	99-100	0.2	0.7815
<i>Asplenium trichomanes</i> subsp. <i>quadrivalens</i>	1	3.3	1-5	0.2	0.9871
<i>Asplenium trichomanes</i> subsp. <i>quadrivalens</i>	2	0.6	0-2	0.8	0.3802
<i>Asplenium trichomanes</i> subsp. <i>quadrivalens</i>	3	1.5	0-5	1.4	0.1923
<i>Asplenium trichomanes</i> subsp. <i>quadrivalens</i>	4	0.7	0-2	0.6	0.6187
<i>Asplenium trichomanes</i> subsp. <i>quadrivalens</i>	5	1.3	0-4	1.4	0.2000
<i>Asplenium trichomanes</i> subsp. <i>trichomanes</i>	1	0.9	0-2	0.2	0.9871
<i>Asplenium trichomanes</i> subsp. <i>trichomanes</i>	2	1	0-4	0.4	0.8382
<i>Asplenium trichomanes</i> subsp. <i>trichomanes</i>	3	0.8	0-3	0.4	0.8122
<i>Asplenium trichomanes</i> subsp. <i>trichomanes</i>	4	0.7	0-2	1	0.2574

<i>Asplenium trichomanes</i> subsp. <i>trichomanes</i>	5	1.8	0-4	1.6	0.2449
<i>Asplenium viride</i>	1	4.2	0-10	0.4	0.9834
<i>Asplenium viride</i>	2	3	1-6	1.6	0.3872
<i>Asplenium viride</i>	3	1.1	0-3	0.2	0.9871
<i>Asplenium viride</i>	4	2.3	0-5	2.2	0.0946
<i>Asplenium viride</i>	5	2.3	0-5	2.2	0.0946
<i>Athyrium filix-femina</i>	1	0.9	0-2	0.2	0.9871
<i>Athyrium filix-femina</i>	2	0.6	0-2	0	1
<i>Athyrium filix-femina</i>	3	0.5	0-3	1	0.1809
<i>Athyrium filix-femina</i>	4	0.9	0-3	1	0.3229
<i>Athyrium filix-femina</i>	5	0.7	0-3	1	0.2544
<i>Dryopteris ×ambroseae</i>	1	99	96-100	0	1
<i>Dryopteris ×ambroseae</i>	2	99.8	98-100	0.4	0.5522
<i>Dryopteris ×ambroseae</i>	3	100	100-100	0	1
<i>Dryopteris ×ambroseae</i>	4	99.5	98-100	1	0.1809
<i>Dryopteris ×ambroseae</i>	5	99.8	99-100	0	1
<i>Dryopteris ×critica</i>	1	92.6	85-96	2	0.5282
<i>Dryopteris ×critica</i>	2	97.3	92-100	2.6	0.0780
<i>Dryopteris ×critica</i>	3	89.5	83-93	2.2	0.5522
<i>Dryopteris ×critica</i>	4	93.5	90-98	1.4	0.7159
<i>Dryopteris ×deweveri</i>	1	95.6	90-98	4	0.0248
<i>Dryopteris ×deweveri</i>	2	100	100-100	0	1
<i>Dryopteris ×deweveri</i>	3	99.8	98-100	0.4	0.5522
<i>Dryopteris ×deweveri</i>	4	99.8	99-100	0.4	0.5522
<i>Dryopteris ×deweveri</i>	5	96.6	93-99	1.6	0.4875
<i>Dryopteris affinis</i>	1	5	3-8	1.2	0.7080
<i>Dryopteris affinis</i>	2	33.5	21-44	1.4	0.8688
<i>Dryopteris affinis</i>	3	1.7	0-4	1.4	0.2616
<i>Dryopteris borrieri</i>	1	4.3	2-7	2.6	0.1809
<i>Dryopteris borrieri</i>	2	10.2	2-16	2	0.6167
<i>Dryopteris borrieri</i>	3	33.4	20-45	7.6	0.0680
<i>Dryopteris borrieri</i>	4	21.1	14-34	7	0.0559
<i>Dryopteris borrieri</i>	5	60.9	37-75	1	0.9667
<i>Dryopteris cambrensis</i>	1	28.2	13-50	14.4	0.0014
<i>Dryopteris cambrensis</i>	2	10.1	5-20	1	0.8440
<i>Dryopteris cambrensis</i>	3	7.2	1-13	5.6	0.0085
<i>Dryopteris cambrensis</i>	4	13.5	7-23	5.8	0.0559
<i>Dryopteris cambrensis</i>	5	8.2	2-27	8	0.0014
<i>Dryopteris carthusiana</i>	1	0.6	0-2	0.4	0.7815
<i>Dryopteris carthusiana</i>	2	1.2	0-3	0.8	0.5522
<i>Dryopteris carthusiana</i>	3	1.7	0-4	0.6	0.7421
<i>Dryopteris carthusiana</i>	4	2.5	1-4	0.6	0.7816
<i>Dryopteris carthusiana</i>	5	0.2	0-1	0	1
<i>Dryopteris dilatata</i>	1	3.3	0-9	1	0.7159
<i>Dryopteris dilatata</i>	2	3.3	1-8	1.4	0.5038
<i>Dryopteris dilatata</i>	3	6.9	2-13	1.8	0.5522

<i>Dryopteris dilatata</i>	4	7.9	3-12	1.4	0.7240
<i>Dryopteris dilatata</i>	5	3.5	1-6	0.2	0.9871
<i>Dryopteris expansa</i>	1	2.6	1-4	0.8	0.7421
<i>Dryopteris expansa</i>	2	7.6	2-13	2.8	0.2809
<i>Dryopteris expansa</i>	3	1.9	0-6	1	0.5522
<i>Dryopteris expansa</i>	4	5.3	1-14	3.4	0.0684
<i>Dryopteris expansa</i>	5	7.5	2-14	7	0.0014
<i>Dryopteris filix-mas</i>	1	11.5	8-17	0.6	0.9834
<i>Dryopteris filix-mas</i>	2	4.4	1-7	0.4	0.9834
<i>Dryopteris filix-mas</i>	3	1.8	0-5	2.4	0.0520
<i>Dryopteris filix-mas</i>	4	4.1	2-7	3	0.0839
<i>Dryopteris filix-mas</i>	5	15.2	5-23	5.2	0.1261
<i>Dryopteris fragrans</i>	1	1.2	0-5	0.8	0.5522
<i>Dryopteris fragrans</i>	2	3	1-4	1.2	0.5522
<i>Dryopteris fragrans</i>	3	1.1	0-3	0.6	0.7159
<i>Dryopteris fragrans</i>	4	19	7-41	16	0.0014
<i>Dryopteris fragrans</i>	5	3.4	0-8	4	0.0087
<i>Dryopteris remota</i>	1	30.2	13-52	12	0.0014
<i>Dryopteris remota</i>	2	20.9	7-46	18.2	0.0014
<i>Dryopteris remota</i>	3	19.6	12-28	0.4	0.9871
<i>Gymnocarpium dryopteris</i>	1	1.8	1-4	0.4	0.8848
<i>Gymnocarpium dryopteris</i>	2	1.5	0-3	0.6	0.6769
<i>Gymnocarpium dryopteris</i>	3	1.3	0-3	0.2	0.9871
<i>Gymnocarpium dryopteris</i>	4	0.4	0-2	0.4	0.7159
<i>Gymnocarpium dryopteris</i>	5	0.3	0-1	0.2	0.9554
<i>Phegopteris connectilis</i>	1	14.5	7-22	1.8	0.7379
<i>Phegopteris connectilis</i>	2	7.4	2-11	1.2	0.7815
<i>Phegopteris connectilis</i>	3	32.2	24-40	8.4	0.0463
<i>Phegopteris connectilis</i>	4	5.4	0-13	6.8	0.0014
<i>Phegopteris connectilis</i>	5	12.4	5-27	11.6	0.0014