

Under the invisible cape – the secret world of Aneura pinguis in Europe and Greenland

Plant Systematics and Evolution

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Online Resource 3. Taxon recovery by marker and by analysis. Data for taxa that have not been found in Europe are given in italics.

putative Aneura species (represented by more than one accession in the data matrix)	known distribution includes Europe	lineage in rbcL likelihood tree (ML BS support)	lineage in rbcL parsimony tree (MP BS support)	lineage in matK likelihood tree (ML BS support)	lineage in matK parsimony tree (MP BS support)	lineage in psbA likelihood tree (ML BS support)	lineage in psbA parsimony tree (MP BS support)	lineage in rpoC1 likelihood tree (ML BS support)	lineage in rpoC1 parsimony tree (MP BS support)	lineage in trnL- trnF likelihood tree (ML BS support)	lineage in trnL- trnF parsimony tree (MP BS support)	lineage in ITS likelihood tree (ML BS support)	lineage in ITS parsimony tree (MP BS support)	analyses in which taxon is unique (number/ percentage)
<i>Aneura atlantica</i>	yes	yes (89%)	yes (87%)	yes (98%)	yes (99%)	yes (97%)	yes (100%)	yes (97%)	yes (100%)	yes (100%)	yes (97%)	yes (99%)	yes (97%)	12/12 100%
<i>Aneura borealis</i>	yes	yes (73%)	yes (72%)	yes (80%)	yes (79%)	no	yes (65%)	yes (74%)	yes (84%)	yes (92%)	yes (85%)	yes (99%)	yes (97%)	11/12 92%
<i>Aneura cf pinguis</i>	yes	singleton, distinct	singleton, distinct	yes (100%)	yes (100%)	no	yes (<50%)	singleton, distinct	singleton, distinct	yes (73%)	yes (68%)	yes (98%)	yes (98%)	11/12 92%
<i>Aneura crateriformis</i>	<i>no (Asia)</i>	yes (98%)	yes (98%)	yes (92%)	yes (91%)	yes (75%)	yes (73%)	<i>singleton, distinct</i>	<i>singleton, distinct</i>	<i>no samples</i>	<i>no samples</i>	<i>no samples</i>	<i>no samples</i>	8/8 100%
<i>Aneura euromaxima</i>	yes	yes (75%)	yes (51%)	yes (98%)	yes (96%)	yes (79%)	yes (76%)	yes (85%)	yes (85%)	yes (98%)	yes (97%)	yes (74%)	yes (88%)	12/12 100%
<i>Aneura europaea</i> (B3)	yes	yes (<50%)	yes (<50%)	yes (82%)	yes (84%)	no	no	yes (72%)	yes (65%)	yes (80%)	yes (82%)	yes (66%)	yes (61%)	10/12 83%
<i>Aneura grandis</i>	yes	yes (76%)	yes (76%)	yes (93%)	yes (100%)	yes (61%)	yes (79%)	yes (91%)	yes (99%)	yes (96%)	yes (93%)	yes (74%)	yes (100%)	12/12 100%
<i>Aneura hyperborea</i>	yes	yes (84%)	yes (92%)	no	no	yes (83%)	yes (87%)	yes (62%)	yes (69%)	yes (100%)	yes (100%)	yes (100%)	yes (100%)	10/12 83%
<i>Aneura kalaalliti</i>	<i>no (Greenland)</i>	<i>no</i>	<i>no</i>	yes (95%)	yes (95%)	<i>no</i>	<i>no</i>	<i>no</i>	<i>no</i>	<i>no samples</i>	<i>no samples</i>	<i>no samples</i>	<i>no samples</i>	2/8 25%
<i>Aneura maxima s.lat.</i>	<i>no (Asia)</i>	yes (<50%)	<i>no</i>	yes (97%)	yes (99%)	<i>no</i>	yes (<50%)	<i>no</i>	yes (<50%)	<i>singleton</i>	<i>singleton</i>	<i>singleton</i>	<i>singleton</i>	9/12 75%
<i>Aneura mirabilis</i>	yes	yes (98%)	yes (97%)	yes (100%)	yes (100%)	yes (98%)	yes (100%)	yes (99%)	yes (100%)	yes (99%)	yes (99%)	yes (95%)	yes (99%)	12/12 100%
<i>Aneura pellioides</i>	<i>no (Asia)</i>	<i>no</i>	<i>no</i>	<i>no</i>	<i>no</i>	<i>no</i>	<i>no</i>	yes (85%)	yes (65%)	<i>no samples</i>	<i>no samples</i>	<i>no</i>	<i>no</i>	2/10 20%
<i>Aneura pinguis</i>	yes	yes (52%)	yes (63%)	yes (98%)	yes (100%)	yes (<50%)	yes (<50%)	yes (92%)	yes (195%)	yes (67%)	yes (72%)	no	no	10/12 83%
<i>Aneura putridos</i>	yes	yes (93%)	yes (91%)	yes (100%)	yes (100%)	yes (98%)	yes (100%)	singleton, distinct	singleton, distinct	yes (100%)	yes (100%)	yes (98%)	yes (96%)	12/12 100%
<i>Aneura sharpii</i>	<i>no (America)</i>	yes (85%)	yes (84%)	yes (99%)	yes (98%)	yes (81%)	yes (90%)	yes (84%)	yes (98%)	<i>singleton</i>	<i>singleton</i>	<i>no samples</i>	<i>no samples</i>	10/10 100%
<i>Aneura sp B1</i>	yes	yes (60%)	yes (65%)	no	no	no	no	no	no	yes (70%)	yes (63%)	no	yes (52%)	5/12 42%
<i>Aneura sp B2</i>	yes	no	no	yes (84%)	yes (75%)	no	no	no	no	no	no	no	no	2/12 17%
<i>Aneura sp H</i>	yes	yes (100%)	yes (98%)	yes (100%)	yes (100%)	yes (99%)	yes (98%)	yes (100%)	yes (100%)	no	yes (95%)	yes (100%)	yes (100%)	11/12 92%
<i>Aneura sp I</i>	yes	yes (73%)	yes (73%)	yes (100%)	yes (99%)	yes (96%)	yes (100%)	yes (81%)	yes (78%)	yes (99%)	yes (100%)	yes (98%)	yes (100%)	12/12 100%
<i>Aneura sp J</i>	<i>no (Japan)</i>	<i>no</i>	<i>no</i>	yes (98%)	yes (97%)	<i>no</i>	<i>no</i>	<i>no</i>	<i>no</i>	yes (94%)	yes (69%)	<i>no</i>	<i>no</i>	4/12 33%
<i>Aneura stotlerorum</i>	yes	yes (<50%)	yes (56%)	yes (50%)	yes (<50%)	yes (78%)	yes (56%)	yes (72%)	yes (<50%)	yes (88%)	yes (89%)	yes (67%)	yes (56%)	12/12 100%
<i>Aneura trolica</i>	yes	no	no	yes (68%)	yes (63%)	yes (70%)	yes (58%)	yes (69%)	yes (64%)	yes (100%)	yes (58%)	yes (100%)	yes (100%)	10/12 83%
Marker summary:		Distinguishes 14/16 species known to occur in Europe		Distinguishes 14/16 species known to occur in Europe		Distinguishes 11/16 (ML) or 13/16 (MP) species known to occur in Europe		Distinguishes 14/16 species known to occur in Europe		Distinguishes 14/16 (ML) or 15/16 (MP) species known to occur in Europe		Distinguishes 13/16 (ML BS) or 14/16 (MP BS) species known to occur in Europe		