

Electronic Supplementary Material

***Relictithismia kimotsukiensis*, a new genus and species of Thismiaceae from southern Japan with discussions on its phylogenetic relationship**

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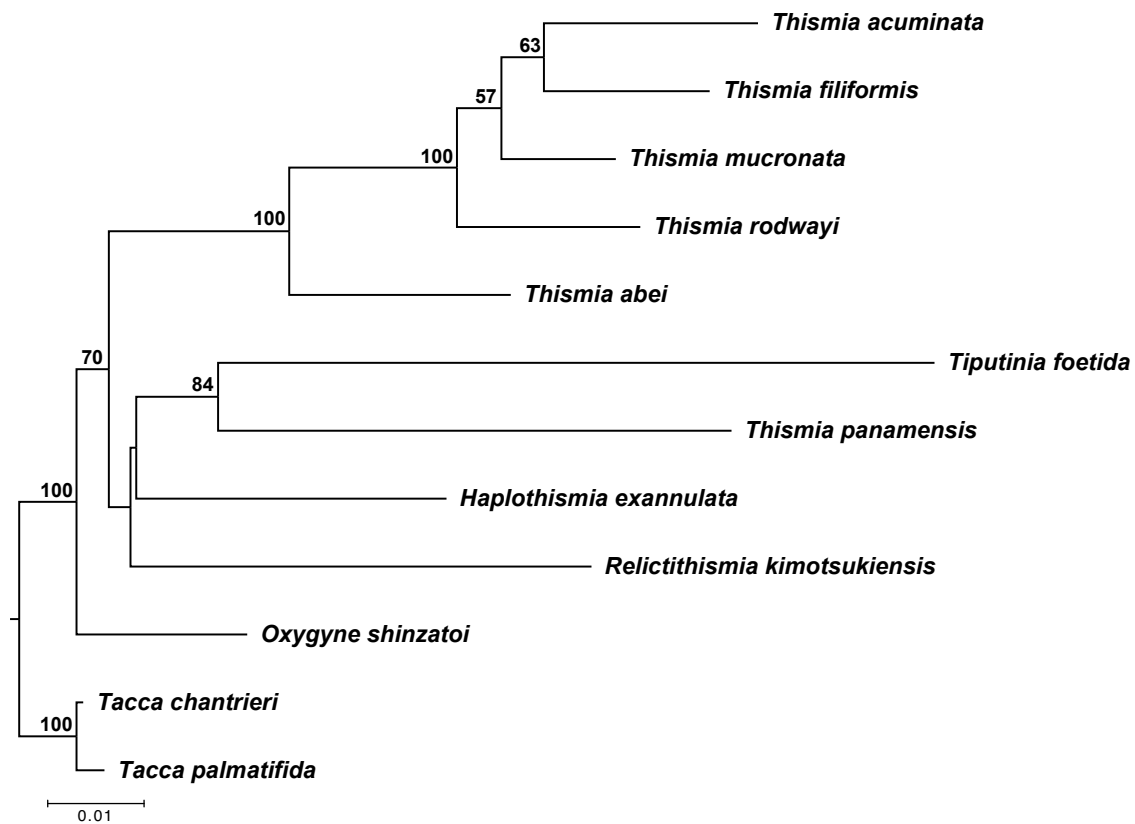


Fig. S1 Maximum-likelihood phylogenetic tree of the combined 18S rDNA and *atpA* sequences from *Relictithismia kimotsukiensis* and its related taxa. Node values indicate bootstrap support (1000 replicates) with a threshold of $\geq 50\%$. The scale bar represents the number of substitutions per site.

Table S1. Information on species, voucher specimens, and INSD accession numbers used for phylogenetic analysis.

species	specimen voucher	18S	atpA	notes
<i>Relictithismia kimotsukiensis</i>	Y. Nakamura & S. Tagane 23060901 (TNS: holotype)	LC775771	LC775773	
<i>Relictithismia kimotsukiensis</i>	Y. Nakamura & S. Tagane 23060901 (KYO: isotype)	LC775772	LC775774	
<i>Thismia abei</i>	K. Suetsugu s.n. (KYO)	MK356115	MN072714	Old World <i>Thismia</i> Clade: Clade 1 <i>sensu</i> Shepeleva et al. (2020)
<i>Thismia rodwayi</i>	Merckx & Wapstra TAS3-1 (L)	KF692536	KF692540	Old World <i>Thismia</i> Clade: Clade 2 <i>sensu</i> Shepeleva et al. (2020)
<i>Thismia acuminata</i>	M. Sochor, M. Hroneš, M. Dančák, Z. Egertová & D. Atu BOR6/17 (SAR)	MG008350	MG008365	Old World <i>Thismia</i> Clade: Clade 3 <i>sensu</i> Shepeleva et al. (2020)
<i>Thismia mucronata</i>	M.S. Nuraliev 813 (MW)	MK356106	MN072707	Old World <i>Thismia</i> Clade: Clade 4 <i>sensu</i> Shepeleva et al. (2020)
<i>Thismia filiformis</i>	S. Chantanaorrapint & C. Promma 3928 (PSU)	MK356103	MN072706	Old World <i>Thismia</i> Clade: Clade 5 <i>sensu</i> Shepeleva et al. (2020)
<i>Thismia panamensis</i>	Aizprua 2946 (LV)	DQ786081	EU421050	
<i>Tiputinia foetida</i>	Alvaro Javier Perez Castaneda s.n. (LV)	FJ215764	FJ215770	
<i>Haplothismia exannulata</i>	Sasidharan & Sujanapal 30476 (KRFI)	DQ786082	EU421037	
<i>Oxygyne shinzatoi</i>	M. Yokota s.n. (RYU)	AB437090	NA	
<i>Tacca chantrieri</i>	Chase 175 (NCU)	DQ786086	EU421044	Outgroup of Thismiaceae
<i>Tacca palmatifida</i>	Bogor BG, in cult.	DQ786084	FJ215774	Outgroup of Thismiaceae