

1 Supporting Information to the paper Laczkó, L., Lukács, B.A., Mesterházy, A., Molnár V., A. & Sramkó, G.

2 Is *Nymphaea lotus* var. *thermalis* a Tertiary relict in Europe? Aquatic Botany.

3 **Table S1.** Details of samples collected for this study including taxon name, geographic region and exact locality. Short name refers to code we used
4 during the haplotype network reconstruction (**Fig. 1.**).

Taxon	Region	Locality	Collector	Sample ID
<i>Nymphaea lotus</i> var. <i>thermalis</i>	Europe	Romania: Lake Pețea	Gábor Sramkó, Attila Molnár V., Balázs A. Lukács	thePet
<i>Nymphaea lotus</i> subsp. <i>lotus</i>	North Africa	Egypt: Nile Delta	Balázs A. Lukács	lotEgy
<i>Nymphaea lotus</i> subsp. <i>lotus</i>	East Africa	Ethiopia: Lake Ziwai	Balázs A. Lukács	lotZiw
<i>Nymphaea lotus</i> subsp. <i>lotus</i>	South Africa	South Africa: Nylsvley Nature Reserve	Jacques Gerber	lotNyl
<i>Nymphaea lotus</i> (<i>zenkeri</i>)	West Africa	Ivory Coast: Grand Bassam	Attila Mesterházy	zenBuss

5 **Table S2.** Primers used to amplify DNA regions for the study with references and primer
6 sequences.

DNA region	Primer Name	Sequence	Reference
nrITS	ITS1A	GACGTCGCGAGAAGTCCA	Gulyás et al., 2005
	ITS4	TCCTCCGCTTATTGATATGC	White et al., 1990
<i>rpl32-trnL</i>	rpl32F	CAGTTCCAAAAAACGTACTTC	Shaw et al., 2007
	trnLR	CTGCTTCCTAAGAGCAGCGT	Shaw et al., 2007
<i>psbM-trnD</i>	psbMF	AGCAATAAATGCRAGAATATTTACTTCCAT	Shaw et al., 2005
	trnD ^{GUC} R	GGGATTGTAGYTCAATTGGT	Shaw et al., 2005
<i>trnT-trnL</i>	TabA	CATTACAAATGCGATGCTCT	Taberlet et al., 1991
	TabC	CGAAATCGGTAGACGCTACG	Taberlet et al., 1991

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23

24 **Table S3.** Details of additional sequences of taxa downloaded from the NCBI Nucleotide Database for the analyses including Accession Numbers and
 25 Reference paper. Accession Numbers of sequences generated for this study are also listed at the bottom of the table. Abbreviations: lotNyl: South
 26 Africa, Nylsvley Nature Reserve; lotZiw: Ethiopia, Lake Ziwai; lotEgy: Egypt, Nile delta; thePet: Romania, Lake Peța; zenBuss: Ivory Coast, Grand
 27 Bussam; NA: not available (i.e. not used in the referred study).

Taxon	Sample ID	nrITS	trnT-L	psbM-trnD	rpl32-trnL	Reference
<i>Nymphaea pubescens</i>		FJ597743	AM422043	NA	NA	Borsch et al., 2007; Dkhar et al., 2010
<i>Nymphaea petersiana</i>		FM242156	AM422053	NA	NA	Borsch et al., 2007; Borsch et al., 2008
<i>Nymphaea oxypetala</i>		FM242150	AM422035	NA	NA	Borsch et al., 2013; Borsch et al., 2008
<i>Nymphaea jamesoniana</i>		FM242152	AM422033	NA	NA	Borsch et al., 2013; Borsch et al., 2008
<i>Nymphaea gracilis</i>		FR717586	AM422050	NA	NA	Borsch et al., 2013; Borsch et al., 2011
<i>Nymphaea alba</i>		HG518072	AM422067	NA	NA	Borsch et al., 2013; Borsch et al., 2014
<i>Nymphaea elleniae</i>		FJ026562	AM422057	NA	NA	Borsch et al., 2013; Löhne et al., 2008a
<i>Nymphaea odorata</i>		LN59003	AY771858	NA	NA	Borsch et al., 2014; Woods et al., 2005
<i>Euryale ferox</i>		FM242144	AM422020	NA	NA	Borsch et al., 2013; Borsch et al., 2008
<i>Victoria cruziana</i>		FM242157	AM422024	NA	NA	Borsch et al., 2013; Borsch et al., 2008
<i>Nymphaea amazonum</i>		FM242149	AM422026	NA	NA	Borsch et al., 2013; Borsch et al., 2008
<i>Nymphaea novogranatensis</i>		FM242154	AM422034	NA	NA	Borsch et al., 2013; Borsch et al., 2008
<i>Nymphaea lotus</i> var. <i>thermalis</i>	thePet	MK452744	MK452759	MK452749	MK452754	This study
		MK452746	MK452761	MK452751	MK452756	
<i>Nymphaea lotus</i> subsp. <i>lotus</i>	lotEgy					This study
<i>Nymphaea lotus</i> subsp. <i>lotus</i>	lotZiw	MK452745	MK452760	MK452750	MK452755	This study
<i>Nymphaea lotus</i> subsp. <i>lotus</i>	lotNyl	MK452742	MK452757	MK452747	MK452752	This study
<i>Nymphaea lotus</i> (<i>zenkeri</i>)	zenBuss	MK452743	MK452758	MK452748	MK452753	This study

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