

Supporting Information

Identity of *Pelodiscus sinensis* revealed by DNA sequences of an approximately 180-year-old type specimen and a taxonomic reappraisal of *Pelodiscus* species (Testudines: Trionychidae)

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Table S1. Primers used for PCR and sequencing of the mtDNA fragments containing the *cyt b* and ND4 genes. First generation primers targeting conserved DNA regions of *Pelodiscus* lineages are indicated with asterisks; specific primers for the type specimen, without asterisks

Primer	Primer sequence (5'-3')	Annealing temperature [° C]	Length of obtained DNA fragment [bp]
Pelod_CytB_a.for*	ACC AAG TCC ATC CAA CAT TTC C	68	77
Pelod_CytB_a.rev*	AGA ATG CTG TTG AGA TGT TTG GTG		
Pelod_CytB_b.for	AGC CTG CTT AAT ACT ACA AAT CA	57	195
Pelod_CytB_b.rev	CCG TCC AAT ATG TAG GTA GAT		
Pelod_CytB_c.for*	TGT ACA ATA CGG TTG ACT AAT CCG	62	113
Pelod_CytB_c.rev*	GGC TAT GGT TAG TAG TAG GAG		
Pelod_CytB_d.for	AAC GGA GCC TCA CTA TTC TT	60	150
Pelod_CytB_d.rev	GTA GGA CAT AGC CCA TGA AT		
Pelod_CytB_e.for*	CCT ACT ACT AAC CAT AGC CAC	54	105
Pelod_CytB_e.rev*	GGA GAA ACC ACC TCA TAC TCA TTG		

Table S1. Continued

Primer	Primer sequence (5'-3')	Annealing temperature [° C]	Length of obtained DNA fragment [bp]
Pelod_CytB_f.for	TCT CAG CTG TTC CAT ATA TCG G	58	135
Pelod_CytB_f.rev	TAT GGT TAG GCC TAG GAT TAT G		
Pelod_CytB_g.for*	GTG GTT TCT CCG TAG ACA ACG	62	120
Pelod_CytB_g.rev*	CCT GTT GGG TTG TTT GAT CCT G		
Pelod_CytB_h.for	CCA TTC ATA ATC CTA GGC CTA A	58	114
Pelod_CytB_h.rev	GTA AGG GTG GAA TGG GAT TTT		
Pelod_CytB_i.for*	ACC CAA CAG GAC TTA ACT CAA AC	60	121
Pelod_CytB_i.rev*	GTG TGA AGT TAT CTG GGT CTC C		
Pelod_CytB_k.for	CCC ATT CCA CCC TTA CTT CTC ATA	55	122
Pelod_CytB_k.rev	GTA GGA TAG CGT AGG CGA ATA GA		
Pelod_CytB_l.for	CCT ACT TCT ATC CAT CAC CA	58	91
Pelod_CytB_l.rev	AGG GAT AGA TCG TAG GAT AG		
Pelod_CytB_m.for*	TAA CTT CAC ACC AGC CAA CC	62	53
Pelod_CytB_m.rev*	TAA GAT GGA GAG TAG TAG GGC		
Pelod_CytB_n.for	ATC CTA CGA TCT ATC CCT AAC	64	141
Pelod_CytB_n.rev	AGA ATA GTG TTT GGG TGA TGG		
Pelod_CytB_o.for*	AAA ACA ACG AAC ACT AAC ATT CCG	60	68
Pelod_CytB_o.rev*	TGA TGA ATG GGT TTT CTA CTG G		
Pelod_CytB_p.for	CAT CAC CCA AAC ACT ATT C	55	152
Pelod_CytB_p.rev	TTG AGA TTG GTA TTA ATA CTA GTA		

Table S1. Continued

Primer	Primer sequence (5'-3')	Annealing temperature [° C]	Length of obtained DNA fragment [bp]
Pelod_CytB_r.for*	TAG AAA ACC CAT TCA TCA TTA TCG	60	74
Pelod_CytB_r.rev*	CTA CTT GAG TAG TTT AAT TGG TTG		
Pelod_ND4_a.for*	AAT TCT AGC ATT ATG AGG AAT TAT C	58	57
Pelod_ND4_a.rev*	CAT TCT GTT TGT GTA AGT GTT G		
Pelod_ND4_b.for	ACC TAA AAT CAC TAA TCG CCT ACT	57	205
Pelod_ND4_b.rev	CTA TTA GGG GGA GTA ATA GTT GTA		
Pelod_ND4_c.for*	CTG CAA CAC TTA CAC AAA CAG AAT G	68	36
Pelod_ND4_c.rev*	GGA TTC GTT CGT AGT TTG TAT TAG C		
Pelod_ND4_d.for*	YTA CAC CGG RGC CAT CAC C	60	207
Pelod_ND4_d.rev	ATT AAT GGT GGG TGG GAG AG		
Pelod_ND4_e.for*	TCC CCC TAA TAG GTA CAT GA	62	107
Pelod_ND4_e.rev*	TAG GGT GCC TAA TCC TGT AA		
Pelod_ND4_f.for	CTC TCC CAC CCA CCA TTA	55	132
Pelod_ND4_f.rev	TTC TCG TGT ATG TGA TGG TGT TAT		
Pelod_ND4_g.for*	TCA TTA CAG GAT TAG GCA CC	62	107
Pelod_ND4_g.rev*	GGT AGG ATG TGG AGT GTT AT		

Table S2. Best evolutionary models and their parameters selected by MRMODELTEST (AIC)

Partition	Model	Nst	+G	+I	Free parameters
cyt <i>b</i>	GTR+G	6	yes	no	7
ND4	GTR+I	6	no	yes	7

Nst: number of substitution types, +G: gamma correction, +I: correction for points of invariance.