

**Table S5** Primers for mitogenomes of *Epeorus* used in this study

Fragment	Primer	Primer sequences	Reference
Part of COI	LCO1490	5'-GGTCAACAAATCATAAAGATATTGG-3'	[29]
	HCO2198	5'-TAAACTTCAGGGTGACCAAAAAATCA-3'	
Part of rrnL	16Sa	5'-GCCTGTTTATCAAAAACAT-3'	[30]
	16Sb	5'-CTCCGGTTTGAAGTCAGATCA-3'	
Fragment of block (I-M- Q-M/NCR- ND2)	1-ND2-F	5'-GATGCCTGACAAAAGGGCTAC-3'	This work
	1-ND2-R	5'-GGCTCAAAGGTAAGAGGCGA-3'	
	2-ND2-F	5'-TGCCTGACAAAAGGGCTACTT-3'	
	2-ND2-R	5'-CAAAGGGTTCAGGGGCTCAT-3'	
	3-ND2-F	5'-CAAAGGGTTCAGGGGCTCAT-3'	
	3-ND2-R	5'-TGGTTTGTGTGGTCAGGCTTA-3'	
	4-ND2-F	5'-TGAAATGCCTGATAAAAGGACTACT-3'	
	4-ND2-R	5'-CCCAGTCAAGCTCCCATTCA-3'	
	5-ND2-F	5'-ATGAAATGCCTGATAAAAGGACTAC-3'	
	5-ND2-R	5'-TATGGCAATGCTAAGGGGCA-3'	
	6-ND2-F	5'-ATGAAATGCCTGATAAAAGGACTAC-3'	
	6-ND2-R	5'-AAAAGGACGGCGGAAGCTAA-3'	
	7-ND2-F	5'-TGAAATGCCTGATAAAAGGGTTAC-3'	
	7-ND2-R	5'-AGCAAGGGCCTGTGTAAGAA-3'	
	8-ND2-F	5'-TGCCTGATTAAAGGGCTACTTTG-3'	
	8-ND2-R	5'-GGTAGTGCGCCCGTAAATCT-3'	
	9-ND2-F	5'-TAGATCATGTAGGCCACCCT-3'	
	9-ND2-R	5'-CAAGCCAAGCACCCATTCAT-3'	
	10-ND2-F	5'-ATCATGTAGGGTTCCTACTTTTCATT-3'	
	10-ND2-R	5'-AGAAGTGAAAAGGGGCTGCTC-3'	
	11-ND2-F	5'-TAAGGAAAGATAAGCTAACTGCAAG-3'	
	11-ND2-R	5'-CCTAGCCATGCTCCTAACCAA-3'	
	12-ND2-F	5'-TCATGTAGGGTTCCTACTTTTCATT-3'	
	12-ND2-R	5'-AAGCTGCCTCGGTAGCAAAT-3'	
	13-ND2-R	5'-TGAAATGCCTGATAAAAGGACTACT-3'	
	13-ND2-R	5'-AGTCAAGCTCCCATTTCAGGA-3'	
	14-ND2-R	5'-CATGTAGGCCTCCCTACTTTTCAT-3'	
	14-ND2-R	5'-TCCAAACCTAACCAAGCACCT-3'	
	15-ND2-R	5'-ATGAAATGCCTGATAAAAGGGCT-3'	
	15-ND2-R	5'-GCGAGAGCTTGGGTGAGAAA-3'	