

Supplementary Table 1
Information on PCR primers used in mtDNA sequencing.

Name	Location	Strand	Haplotype	Annealing	Sequence
AB44	<i>nad3</i>	F	e, M (11a, 1, F, 16)	58-66°C	GAATACCGTGAAGGTTCTTTGGAGTG
AB45	CD	R	M, (M, 1a)	58-66°C	AGGCAGCCCTTTTATGAGTTGATC
AB46	CD	R	M (11a)	60°C	AGGCAGCCCTTTATATGAGTTTACAGC
AB46R	CD	F	M (11a)	60°C	GCTGTAAACTCATATAAAGGGCTGCCT
AB47	CD	R	M (1)	58°C	TTGGGTAGCCTTATTTTTAGGAGTTTACAG
AB47R	CD	F	M (1)	55°C	CTGTAAACTCCTAAAAATAAGGCTACCCAA
AB48R	CD	F	M, (M, 1a)	62°C	TCTACACGCTTAACCTCCCTGCCA
AB49	CD	R	e (F)	59°C	CACACTTAACAACCTATCACCAAGCAA
AB49R	CD	F	e (F)	59°C	TTGCTTGGTGATAGGTTGTTAAGTGTG
AB50R	<i>cox1</i>	R	e, M (11a, 1, F, 16)	55-66°C	AAGACACCCAATGCCAATGAGC
AB51Rv2	CD	R	16	59°C	AAAGGGGTGAAATTCCATGTTTGG
AB51v2	CD	F	16	59°C	CCAAACATGGAATTTACCCCTTT
TRO7	CD	R	t	62°C	TTTGCCTGTTACTAGCACAAATCCTT
TRO10	CD	F	t	62°C	GCAGAGAAAGTGGTGAATTTGACC
LSS1	<i>lrna</i>	F	e, t, M	61°C	GGATAGAACTGAACTAGCT
LSS1R	<i>trn I</i>	R	e, t, M	61°C	ATGATCCAGTTGCTTTG
LSS2	<i>lrna</i>	F	e, t, M	61°C	TTGTTAAACAGTCGAGAAAG
LSS2R	<i>srrna</i>	R	e, t, M	61°C	TGGTTGTTTACTCTAATATGG
LSS3	<i>srrna</i>	F	e, M	52°C	TAGCAACAACCTCCGTT
LSS3f	<i>srrna</i>	F	t	52°C	ACTTCCGTTACTGCTACC
LSS3R	<i>nad6</i>	R	e	52°C	TGTTCTTAGTATTTATCCTAATG
LSS3Rf	<i>nad6</i>	R	t	52°C	TATGTTTTAAGGATCTACCC
LSS3Rm	<i>nad6</i>	R	M	52°C	TGTACTAAGAATTTACCTAAC
LSS4	<i>srrna</i>	F	e, t, M	56°C	GATAACAGGGTATCTAATCC
LSS4R	<i>nad5</i>	R	e, t, M	56°C	TATAGGGCACGAATTGT
LSS5	<i>nad6</i>	F	e, M	52°C	TCATTAGGATAAAATACTAAGAAC
LSS5f	<i>nad6</i>	F	t	52°C	GGGTAGATCCTTAAAACATA
LSS5R	<i>nad5</i>	R	e, M	52°C	AAATAACAAAAGACTATCTGC
LSS5Rf	<i>nad5</i>	R	t	52°C	ACAATAAGAGGCTATCTGC
LSS6	<i>nad5</i>	F	e, t, M	61°C	ACAATTCGTGCCCTATA
LSS6R	<i>trn T</i>	R	e, t, M	61°C	GCCTTGTAAGTCGTAGAA
LSS7	<i>nad5</i>	F	e, M	61°C	GCAGATAGTCTTTTGTTATTT
LSS7f	<i>nad5</i>	F	t	52°C	GCAGATAGCCTCTTATTGT
LSS7R	<i>atp6</i>	R	e, t, M	61°C	TTTCTAGATTTGATGCTCA
LSS8	<i>atp6</i>	F	e, t, M	63°C	AATGTAACACTGAATACAAGC
LSS8R	<i>cox1</i>	R	e, t, M	63°C	ATAAGAAATGGAGAAAAGC
LSS9	<i>atp6</i>	F	e, t, M	52°C	TGAGCATCAAATCTAGAAA
LSS9R	<i>cox1</i>	R	e, t, M	52°C	CGAGCTGAGCTTTATGT
LSS10	<i>cox1</i>	F	e, t	63°C	AAGAAGACACCCAATGC
LSS10m	<i>cox1</i>	F	M	56°C	AAATGACACAGCAGACC
LSS10R	UR4	R	e, t, M	56-63°C	GGAAGTGTACTGTGTGTATTT
RSS1	<i>trn Y</i>	F	e, t, M	56°C	CCTTTCTTATGAGATGGT
RSS1R	<i>cox2</i>	R	e, t, M	56°C	ATCACCAAAATATCGACT
RSS2	<i>cob</i>	F	e, t, M	54°C	TATAAAAACGCCTATTCA
RSS2R	<i>trn L1 (CUN)</i>	R	e, t, M	54°C	CGAGCTTAAATCGTATG
RSS3	<i>cox2</i>	F	e, t, M	56°C	AGTCGATATTTTGGTGAT
RSS3R	<i>nad1</i>	R	e, t, M	56°C	CCCGATTAGTCTCAGC
RSS4	<i>trn L1 (CUN)</i>	F	e, t, M	56-61°C	ATATTCTTGTTTGTGTGTGAAT
RSS4R	<i>nad4</i>	R	e, t	56°C	CCTCCTCACCCCTAAACC
RSS4Rm	<i>nad4</i>	R	M	61°C	ACCTTCTCACCCCTAAAGC
RSS5	<i>nad1</i>	F	e, t	59°C	CTGAGACTAATCGGGC
RSS5m	<i>nad1</i>	F	M	59°C	CTGAAACTAATCGGGCA
RSS5R	<i>cox3</i>	R	e, t	59°C	ACGAGAATAAGGATTACG
RSS5Rm	<i>cox3</i>	R	M	59°C	CGGAATAAGGATTACG
RSS6	<i>nad4</i>	F	e, t	54°C	CGAAAGTGTGTTAGCG

RSS6m	<i>nad4</i>	F	M	52°C	TTTTGAAAGGGTGTTAG
RSS6R	<i>cox3</i>	R	e, t, M	54°C	TGGGCTTGAGTTACAA
RSS7	<i>cox3</i>	F	e, t, M	54°C	CTCGTTACTATGTACCAGG
RSS7R	<i>trn M</i>	R	e, t, M	54°C	AATCATAGGTCTTCTGTCC
RSS8	<i>cox3</i>	F	e, t, M	54°C	TTTGTAAGTCAAGCCCA
RSS8R	<i>trn R</i>	R	e, t, M	54°C	ACCCACTCTTTTTGAGC
RSS9	<i>trn S2</i> (UCN)	F	e, t, M	53°C	AATCAAGTACCAAAGCG
RSS9Rv2	<i>nad3</i>	R	M	53°C	CAAAGAACCTTCACGG
RSS9Rv3	<i>nad3</i>	R	e, t	53°C	CGCATAAATGCCACTT
RSS10R	<i>cox1</i>	R	e, t	61°C	ACATAAAGCTCAGCTCG
RSS10Rm	<i>cox1</i>	R	M	61°C	GCTCAGCTCGCTCC
RSS10v2	<i>trn S1</i> (AGN)	F	e, t, M	61°C	ATAATAGGGCTGCTAACTT
AB15	<i>lrrna</i>	F	e, t, M	61-66°C	TTGCGACCTCGATGTTGG
AB16	CD	R	e, t, M	66°C	CAGGCTATAGAGCATAATCTAAAACG
AB25	VD1	F	M	61°C	CGCTTAACTTCCCTGCCA
AB26	VD1	R	M	61°C	TCTAAAACGAGGTATGG
AB28	<i>cob</i>	R	e, t, M	61°C	TGTAAGTTCGTCACGGACCAAC
AB32	CD	F	e, t, M	66°C	TGTCAGAGTCATGTGAGACTTAACC
AB40	<i>lrrna</i>	F	e, t, M	52°C	GACGACAAGACCCTATGAAGC
AB52	<i>lrrna</i>	F	e, t, M	60°C	CGACTGTTTAACAAAAACATTTCC
CBM1	<i>lrrna</i>	F	e, t, M	56°C	AGAACGGCGTGAGCTAGTTC
CBM2	<i>cob</i>	R	e, t, M	56°C	ACCTTCACCAGGCGTTTAAG
CBM9	CD	R	e, t, M	52°C	ACGTGAGCAACCAGAA
TRO3	VD1	F	t	54°C	GTAAGCATTTTTTCAGAGTCA
TRO4	<i>lrrna</i>	R	t	54°C	ATTATTTATGTCATTACAGATCC
TRO6	<i>cob</i>	R	t	56°C	CATAGAGGACCCATTTGC
F1T	<i>cox3</i>	F	t	58°C	TTCCTAGTGCAACTTCGAGAATA
U2T	<i>nad2</i>	R	t	58°C	AAGGAAAGGAGGCATCCC

M - *M. edulis* M genome specific, e - *M. edulis* F genome specific, t - *M. trossulus* F genome specific.
Long range primers used in amplification of coding part are located above the line.