

Table S1. Primer sets designed for sequencing of cMDHs from *Lottia limpets*

Primer ID	Description	Sequences (5'-3')
MDF1	Partial sequence of <i>cmdh</i>	CTGCKGGYCARATYGCYTAYT
MDR1	Partial sequence of <i>cmdh</i>	CTGCWGACATRGCACRGRAYA
Br	5'-RACE	GCTGATTCGTCGGCTGTCCGGGATGA
Sf	3'-RACE	ACAGTACAGACCCGAGGTGGAGCAGTCA
0404MF1	5'-UTR primer	GCMTTRTATWWTCTAAGCAAAG
0404MR2	3'-UTR primer	TACCMATAGGCCTACTKAAC

Table S2. Mean \pm s.d. K_m^{NADH} values ($\mu\text{mol l}^{-1}$) for *Lottia pelta*, *L. scutum*, *L. gigantea* and *L. scabra*

Temperature ($^{\circ}\text{C}$)	<i>L. pelta</i>	<i>L. gigantea</i>	<i>L. scutum</i>	<i>L. scabra</i>
25	20.63 \pm 0.29	18.68 \pm 0.69	18.38 \pm 0.99	20.35 \pm 0.79
30	24.09 \pm 2.30	23.14 \pm 2.47	23.94 \pm 1.32	21.84 \pm 2.69
35	26.67 \pm 1.15	26.06 \pm 0.34	26.34 \pm 1.29	24.09 \pm 1.43
40	30.69 \pm 1.33	27.86 \pm 2.18	30.97 \pm 0.20	27.33 \pm 1.22