

Table S6. Structural features of Mytilidae mitogenomes obtained in this study

Species	Genome				PCGs				rRNAs				tRNAs			
	Size (bp)	AT- skew	GC- skew	A+T (%)	Size (bp)	AT- skew	GC- skew	A+T (%)	Size (bp)	AT- skew	GC- skew	A+T (%)	Size (bp)	AT- skew	GC- skew	A+T (%)
<i>Trichomya hirsuta</i>	19,454	−0.165	0.390	60.45	11,673	−0.239	0.382	59.87	2,212	−0.014	0.302	59.99	1,535	−0.095	0.293	63.84
<i>Mytilisepta virgata</i>	14,714	−0.256	0.366	69.28	10,722	−0.310	0.385	69.11	1,946	−0.061	0.302	69.53	1,434	−0.103	0.278	68.69
<i>Septifer excisus</i>	17,579	−0.260	0.352	67.35	11,460	−0.344	0.326	66.55	1,967	−0.133	0.333	67.51	1,499	−0.098	0.311	70.65
<i>Septifer bilocularis</i>	15,766	−0.219	0.248	69.62	10,899	−0.273	0.239	68.25	2,054	−0.086	0.289	71.91	1,424	−0.058	0.201	73.81
<i>Brachidontes</i> sp.	16,540	−0.196	0.250	66.25	11,292	−0.268	0.261	65.17	1,696	−0.060	0.239	66.51	1,518	−0.089	0.215	66.14
<i>Brachidontes mutabilis</i>	16,710	−0.203	0.270	67.32	11,010	−0.264	0.278	66.58	2,118	−0.028	0.235	66.67	1,531	−0.132	0.189	66.82
<i>Brachidontes variabilis</i>	17,247	−0.179	0.205	68.55	10,995	−0.248	0.219	67.88	2,109	−0.021	0.231	67.71	1,517	−0.111	0.181	67.63
<i>Dentimodiolus striatulus</i> 1	17,425	−0.149	0.323	64.26	11,073	−0.234	0.336	62.22	2,180	0.009	0.247	67.94	1,435	−0.041	0.235	66.83
<i>Dentimodiolus striatulus</i> 2	17,423	−0.150	0.322	64.17	11,376	−0.232	0.333	62.18	2,183	0.004	0.258	67.89	1,439	−0.040	0.225	66.71
<i>Dentimodiolus subsulcatus</i>	16,551	−0.156	0.316	64.23	11,385	−0.224	0.334	63.21	2,193	0.002	0.261	66.17	1,518	−0.076	0.252	65.48