Table S3.

Pairwise comparisons of PC1 scores among the five regional groups of *Obovalis*. PC1 scores were obtained from elliptical Fourier analysis of the dorsal/articulated-valve shell profile and represent variation in shell inflation/convexity. Pairwise comparisons were conducted using Welch's two-sample *t*-tests. Difference indicates the mean PC1 score of the second group minus that of the first group. The *p*-values were adjusted for 10 pairwise comparisons using the Holm method.

Comparison	Mean PC1	Difference	Welch *t*	df	Raw p	Holm-adjusted p	Significant after Holm correction
Shiga vs. Tokai	−0.0273 / −0.0272	0.0001	−0.004	1.15	0.997	1	No
Shiga vs. Kansai–Chugoku	−0.0273 / −0.043	−0.0156	0.737	1.22	0.576	1	No
Shiga vs. Hokuriku	−0.0273 / 0.0359	0.0632	−3.003	1.18	0.173	0.691	No
Shiga vs. Kyushu	−0.0273 / −0.0046	0.0228	−1.075	1.2	0.453	1	No
Tokai vs. Kansai–Chugoku	−0.0272 / −0.043	−0.0157	1.832	12.61	0.0907	0.471	No
Tokai vs. Hokuriku	−0.0272 / 0.0359	0.0631	−7.794	22.44	7.93×10^{-8}	7.93×10^{-7}	Yes
Tokai vs. Kyushu	−0.0272 / −0.0046	0.0227	−2.7	2.84	0.0784	0.471	No
Kansai–Chugoku vs. Hokuriku	−0.043 / 0.0359	0.0788	−8.854	15.8	1.60×10^{-7}	1.44×10^{-6}	Yes
Kansai–Chugoku vs. Kyushu	−0.043 / −0.0046	0.0384	−4.184	3.62	0.017	0.119	No
Hokuriku vs. Kyushu	0.0359 / −0.0046	−0.0404	4.637	3.36	0.0146	0.117	No