Online Resource 9 The number of membranous layer lamellae at each developmental stage and their corresponding changes in both their thickness and the spacing between them (number of animals used, n = 5 for each instar)

Instar	Mean number of membranous layer lamellae	Mean lamellar thickness (nm)	Mean inter-lamellar space (nm)
1	5.4 ± 1.8	67.9 ± 9.8	42.4 ± 4.1
2	7.7 ± 1.6	98.1 ± 10.2	59.0 ± 19.4
3	8.8 ± 0.9	58.8 ± 11.0	33.2 ± 8.6
4	10.0 ± 1.1	71.2 ± 21.1	51.0 ± 17.4
5	10.0 ± 2.0	95.9 ± 15.2	73.4 ± 14.3
Adult	17.6 ± 4.6	75.9 ± 13.7	44.1 ± 4.4

The ultrastructural development and 3D reconstruction of the transparent carapace of the ostracod *Skogsbergia lerneri*

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