Supplementary Fig. 1  Morphometric relationships between cuttlefish mass, cuttlebone mass and length in *S. officinalis* raised under control conditions at 15° C (*n* = 50). a  Cuttlefish wet mass (g) relates to cuttlebone dry mass (g) following the equation $y = 0.034x - 0.055$ ($R^2 = 0.99$), over a cuttlefish size range of 5-35 g. b  Cuttlebone length (mm) and cuttlebone dry mass (g) follow the equation $y = 0.209 - 0.02x + (6.03 \times 10^{-4})x^2$ ($R^2 = 0.99$)
Supplementary Fig. 2 SEMs a-b illustrating detailed microstructure of irregular, spherical, CaCO$_3$ deposits that were primarily associated with the ventral surfaces of the lamellae. c Surfaces of the structures were partially coated with organic matrix and hexagonal CaCO$_3$ crystals approximately 1µm in diameter.