



**Figure S1: Longitudinal section through the *L. coralliooides* branch sampled in (a) Aegadian Isl. (scale bar = 100  $\mu$ m), (b) Elba (scale bar = 350  $\mu$ m) and (c) Pontian Isl. (scale bar = 200  $\mu$ m), showing the LA-ICP-MS transects targeting each growth bands.**