

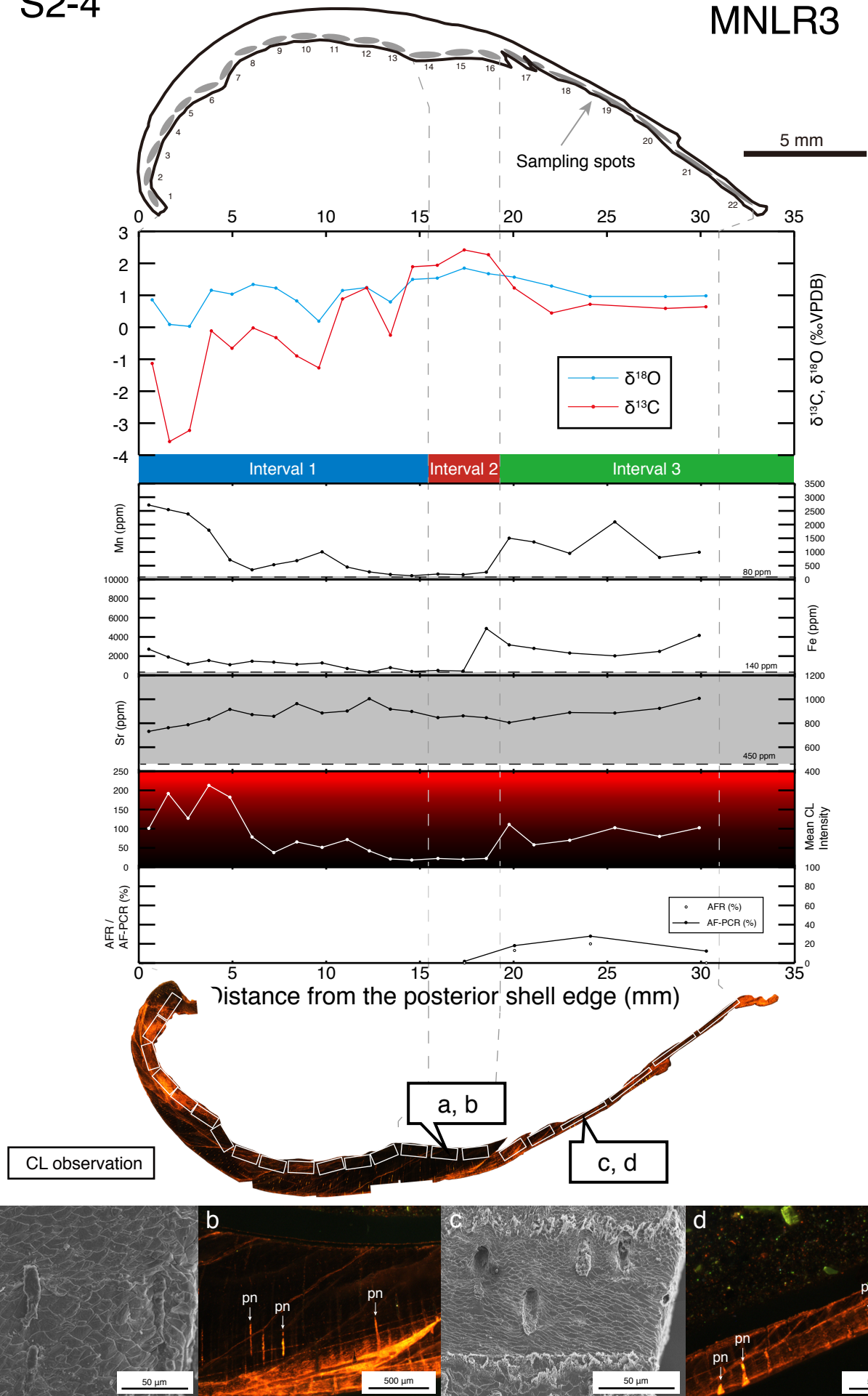


Fig. S2-4 Sampling spots, $\delta^{13}\text{C}$ and $\delta^{18}\text{O}$ values, minor-element (Mn, Fe, and Sr) concentrations, mean CL intensities, altered fiber ratios, and altered fiber and puncta-filling cement ratios of the modern *L. rubellus* (MNLR3) shell. Composite CL images are presented for each shell. SEM and CL images of selected shell portions are also shown.