

S1-3

MNTCo2

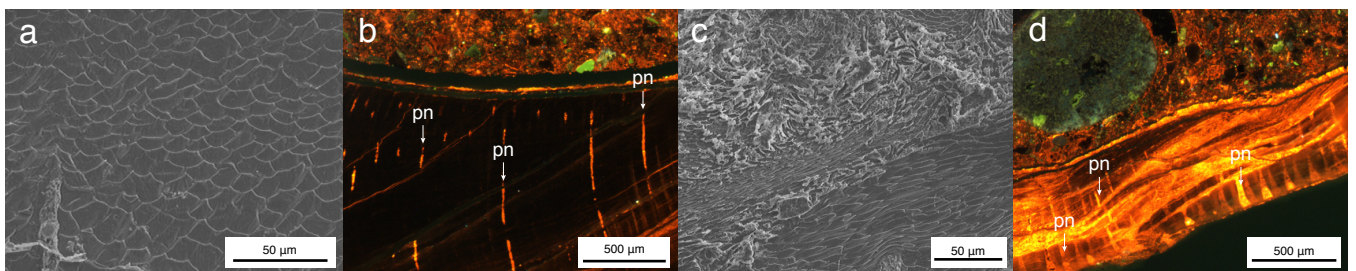
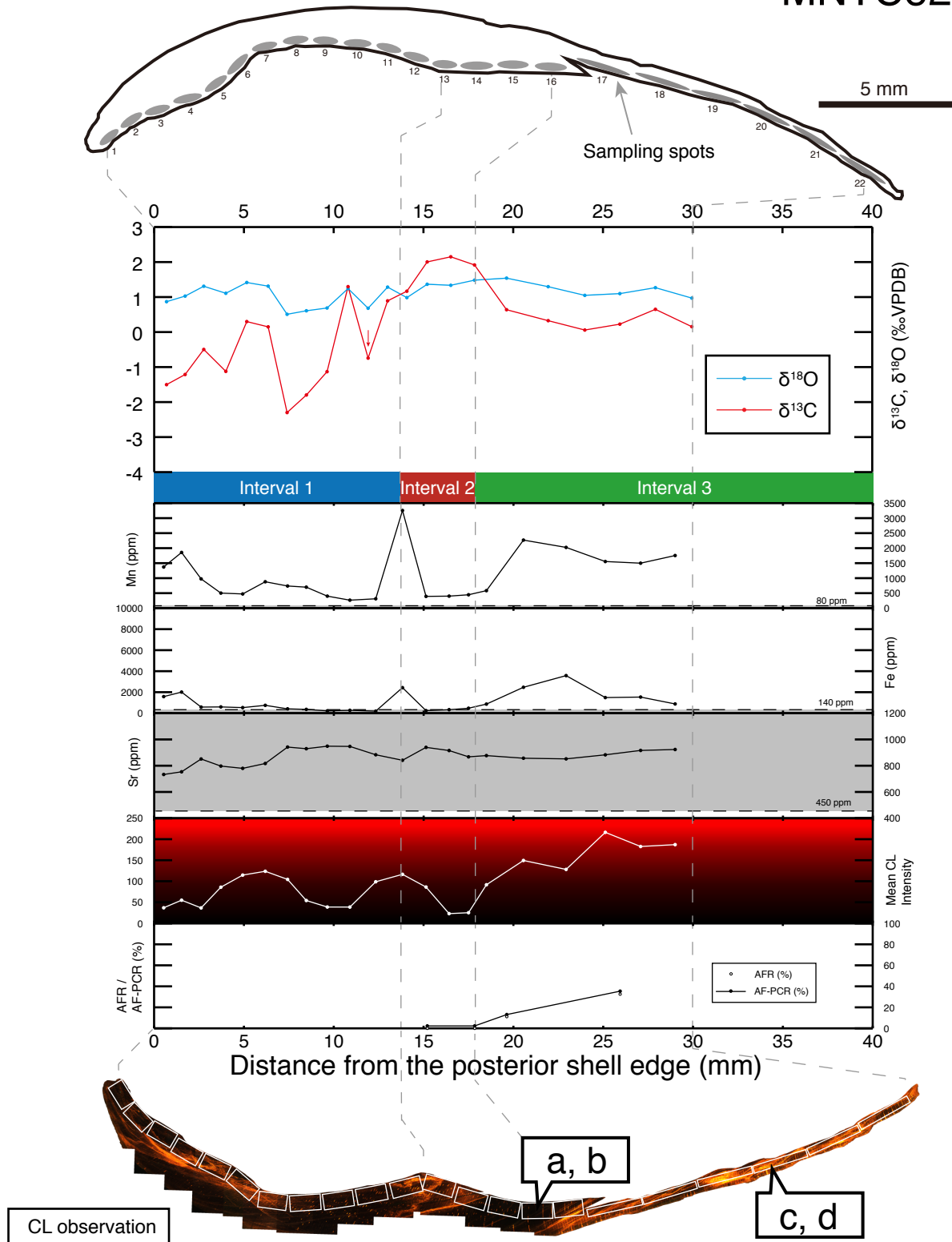


**Fig. S1-3** Sampling spots,  $\delta^{13}\text{C}$  and  $\delta^{18}\text{O}$  values, minor-element (Mn, Fe, and Sr) concentrations, mean CL intensities, altered fiber ratios, and altered fiber and puncta-filling cement ratios of the modern *T. coreanica* (MNTCo2) shell. Composite CL images are presented for each shell. SEM and CL images of selected shell portions are also shown. Red and blue arrows indicate local minima in  $\delta^{13}\text{C}$  and  $\delta^{18}\text{O}$ , respectively.