

Pre-treatment with hydrogen peroxide	Test hydrogen peroxide concentration	Catalase activity in dorsal and lateral epithelium	Catalase activity in muscle of the body wall and pedal sole epithelium
--	10 mM	Extremely high	Could not distinguish due to excessive bubbles from dorsal/lateral
--	2 mM	High	Minimal
2 mM	10 mM	High	None detected

Supplemental Table 2. Results of the catalase test. Different concentrations of hydrogen peroxide were washed over previously frozen tissue sections and catalase activity was observed as bubble formation. "Extremely high" activity is defined as immediate formation of large bubbles completely obscuring the structure. "High" activity is rapid and continuous formation of bubbles throughout the structure. "Minimal" activity is occasional production of a few bubbles in the entire region in question. Note that the catalase test typically uses a concentration of 1000 mM.