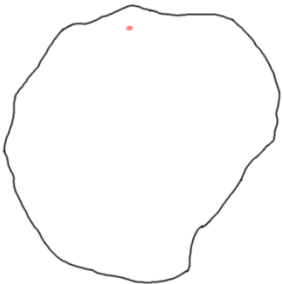
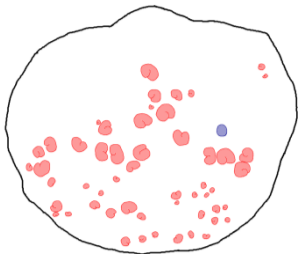
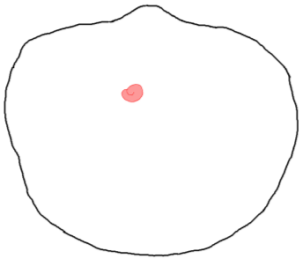

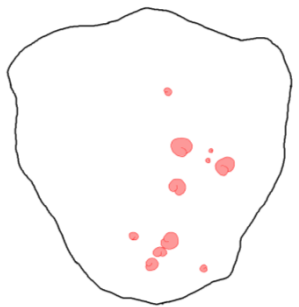




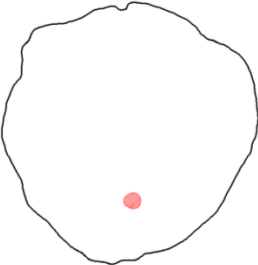
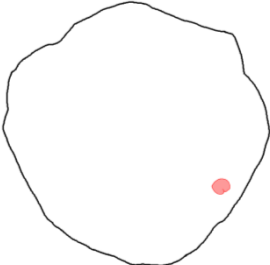

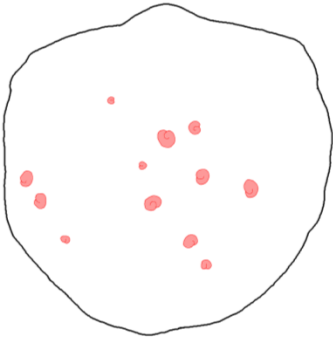
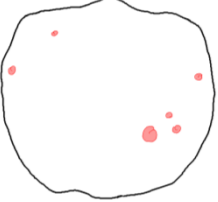
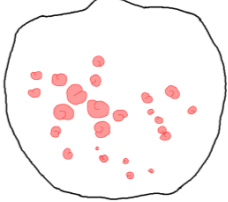
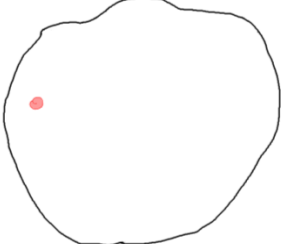
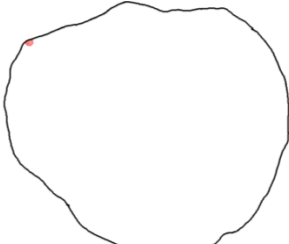
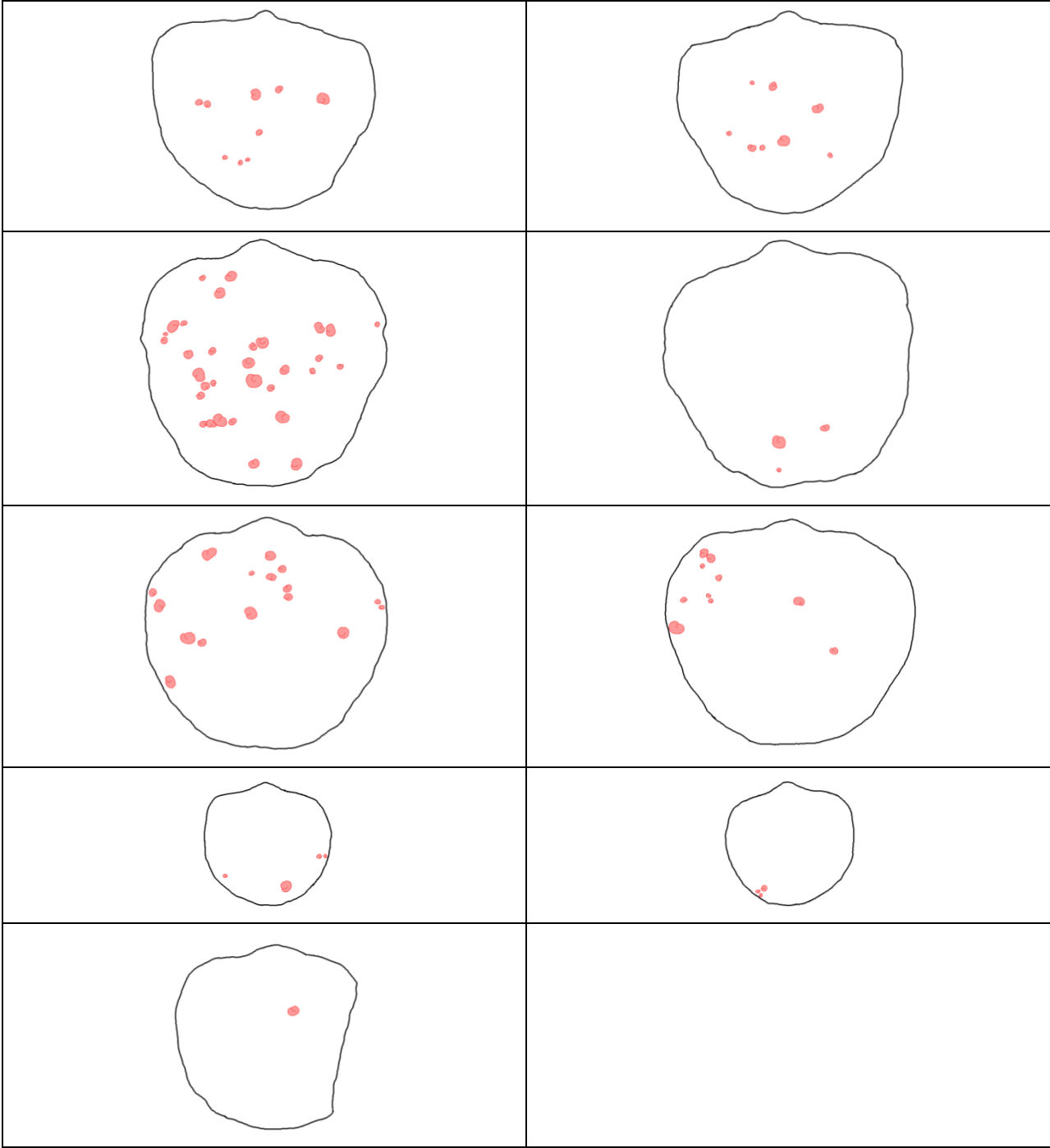


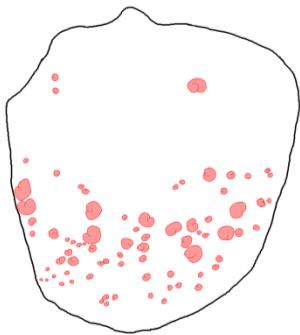
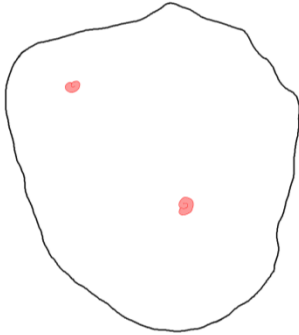
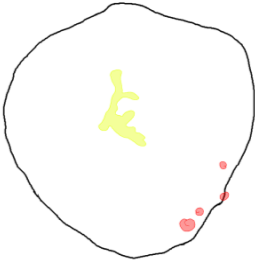
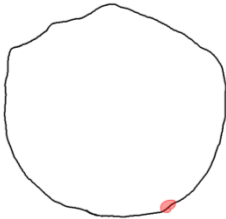
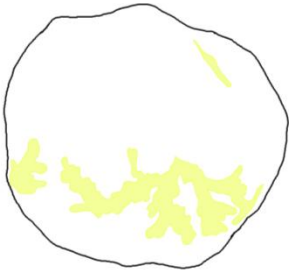
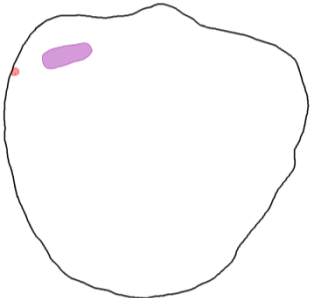
## Appendix


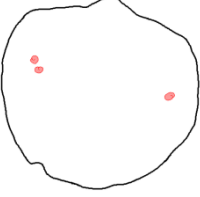
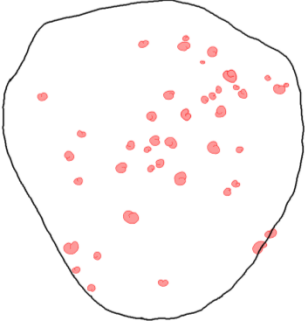


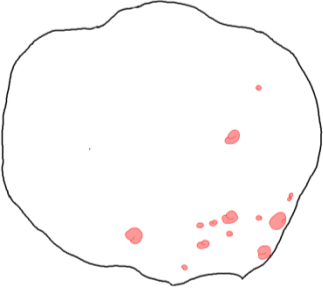

Raw sclerobiont maps of each of the 150 brachiopod specimens included in the mapping study. Each image is shown to scale. The left-hand column depicts maps of the dorsal view, and the right-hand column depicts maps of the ventral view. Blank cells indicate valves that were unencrusted, and were therefore not mapped. The original photograph of the brachiopod has been removed for clarity. Sclerobionts are colour coded by taxon: *Ascodictyon* = purple, *Hederella* = yellow, *Microconchus* = red, and craniid brachiopods = blue.



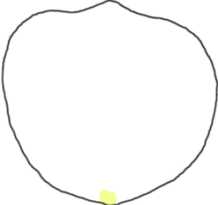
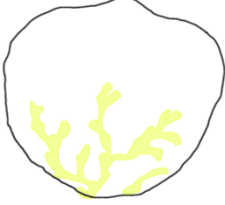

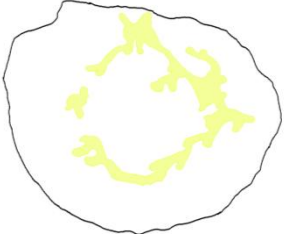

Firebag Sample 1	
Dorsal View	Ventral View
	
	
	
	

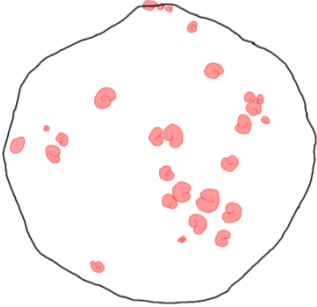
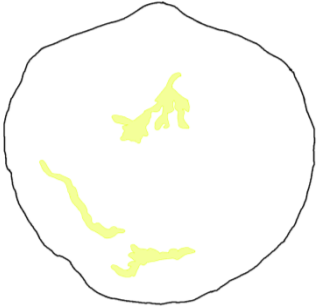

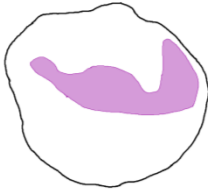
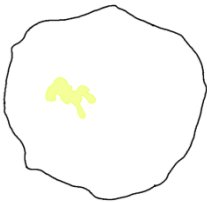
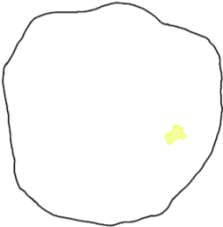
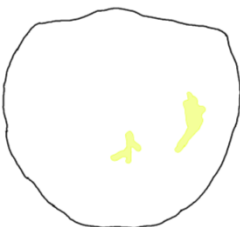
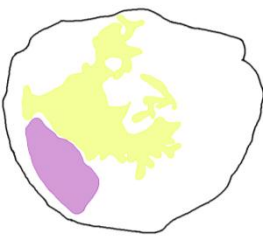
	
	
	
	
	
	

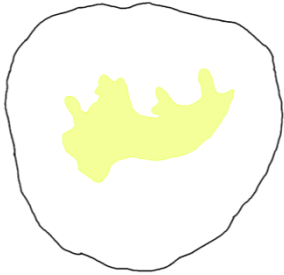
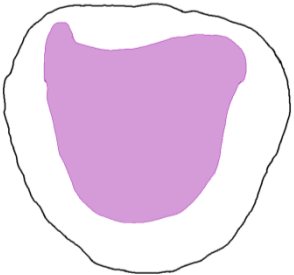
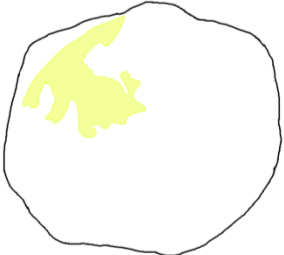
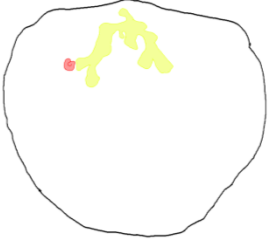
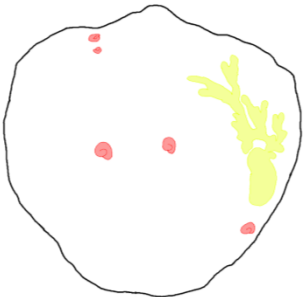
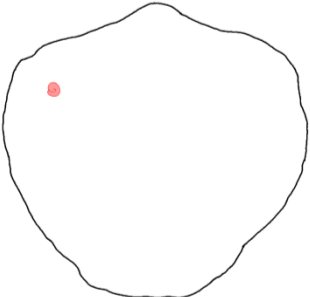
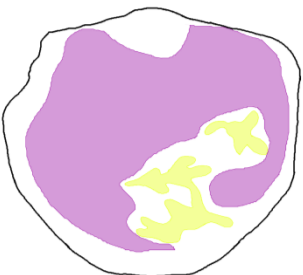


 <p>A diagram of a cell with an irregular outline. The interior is filled with numerous small red dots and a few larger red circles, primarily concentrated in the lower half of the cell.</p>	 <p>A diagram of a cell with an irregular outline. It contains two red dots: one in the upper left and one in the lower right.</p>
 <p>A diagram of a cell with an irregular outline. It features a central yellow structure resembling a stylized letter 'E' and a small cluster of red dots in the lower right corner.</p>	
 <p>A diagram of a cell with a circular outline. It contains a single red dot located at the bottom right edge.</p>	
 <p>A diagram of a cell with a circular outline. It contains several yellow structures: a horizontal band of irregular shapes in the lower half and a single elongated shape in the upper right.</p>	
 <p>A diagram of a cell with an irregular outline. It contains a purple oval in the upper left and a small red dot on the left edge.</p>	

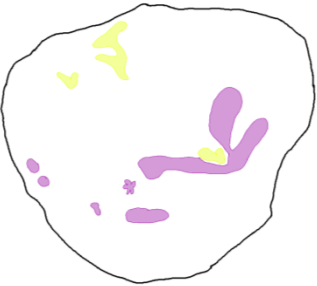
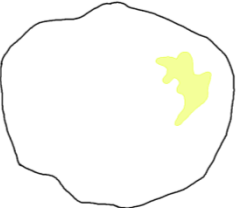
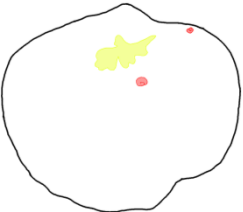
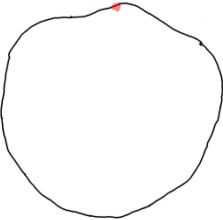
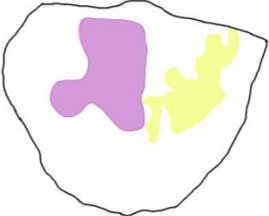
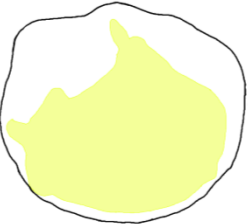
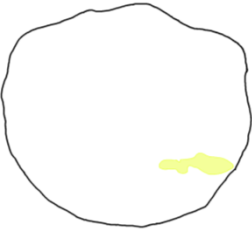
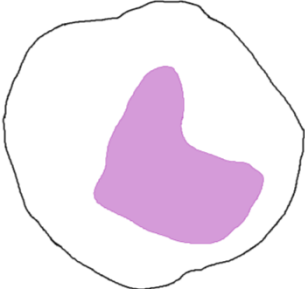
	
	
	
	
	

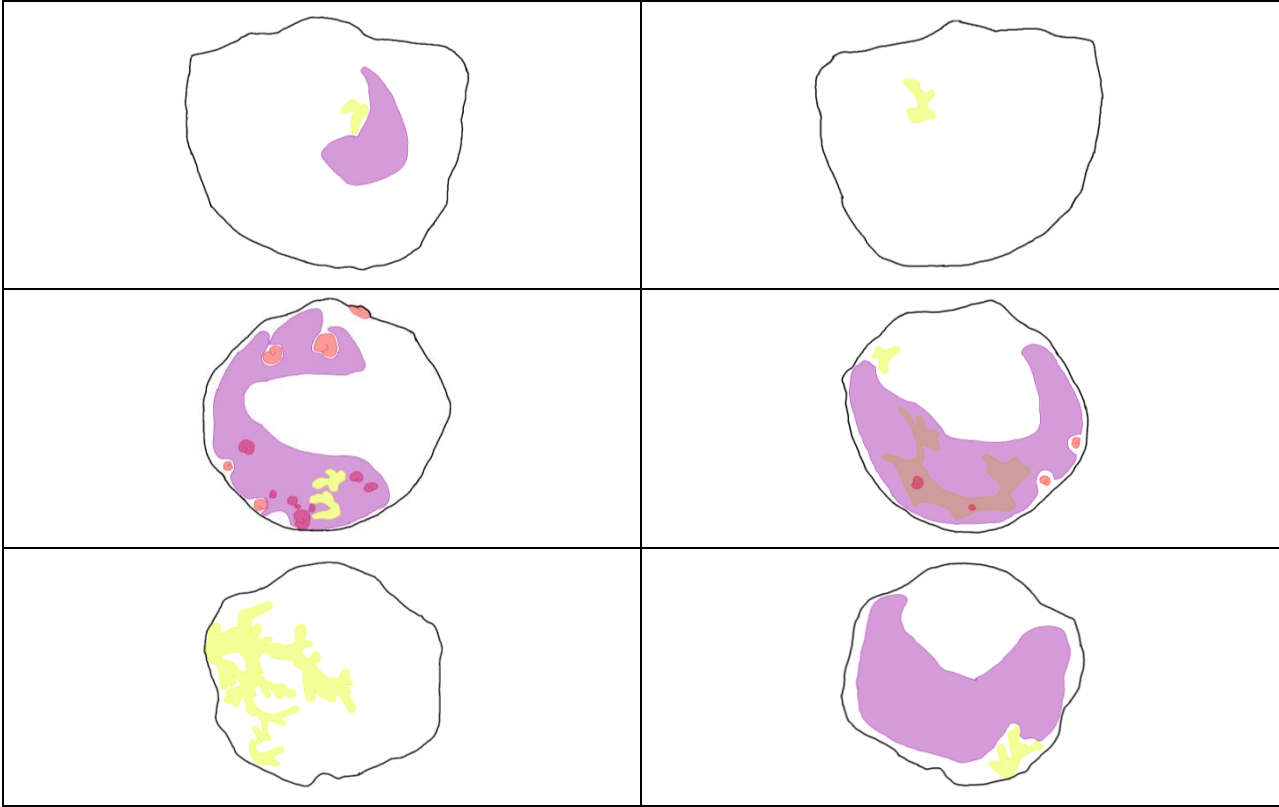
Firebag Sample 2	
Dorsal View	Ventral View
	
	
	
	
	


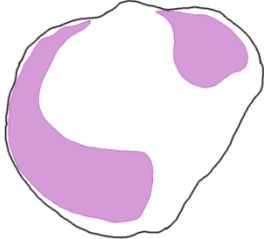
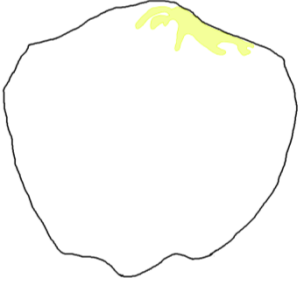
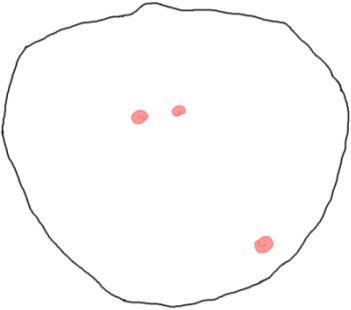

	
	
	
	
	
	

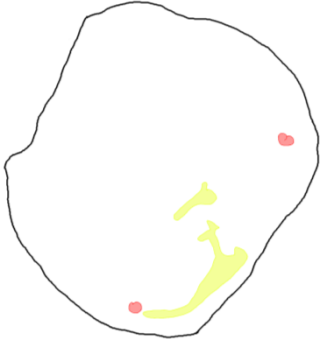
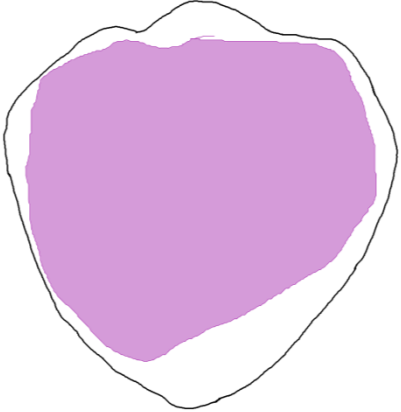
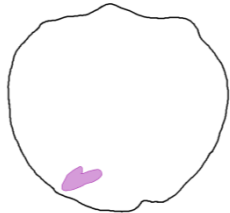
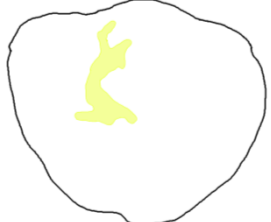

	
	
	
	
	

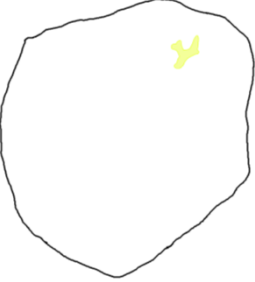
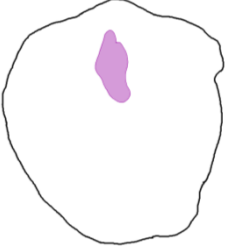
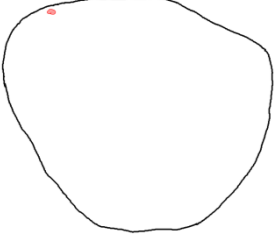
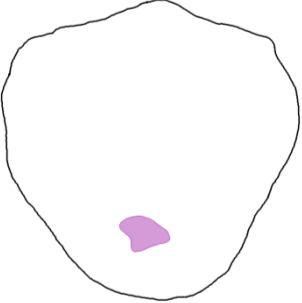
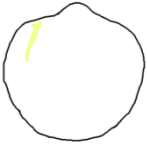



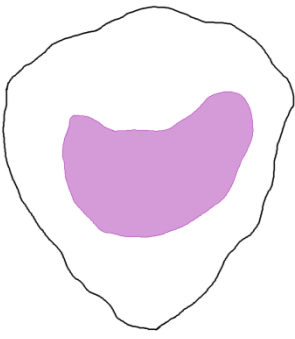
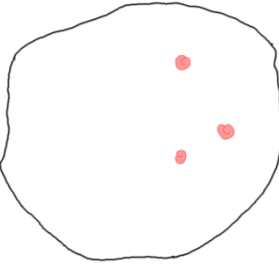


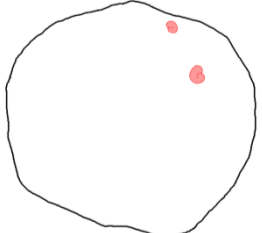
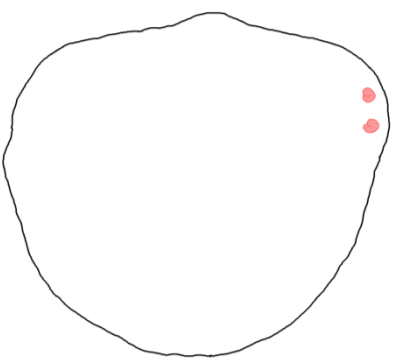
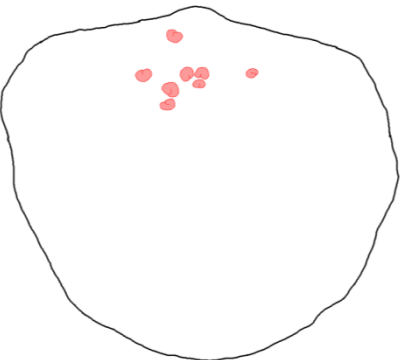
	
	
	
	
	
	

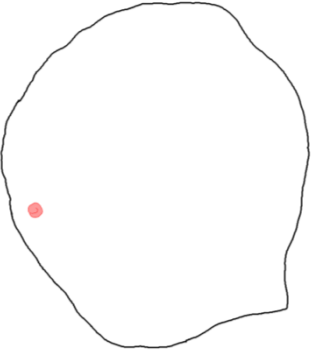
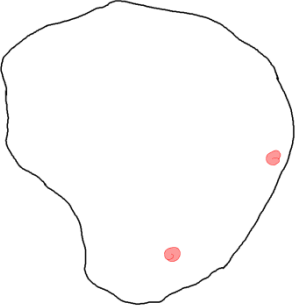
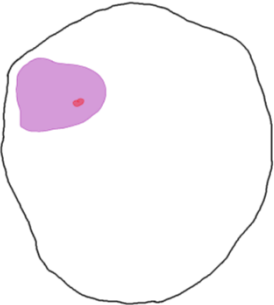
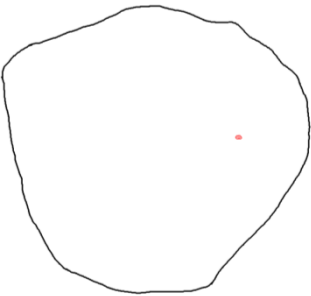




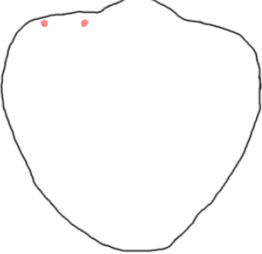
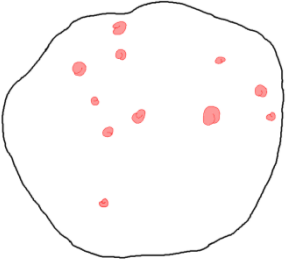


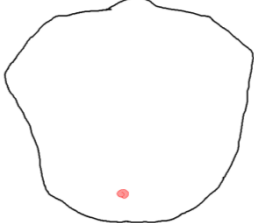
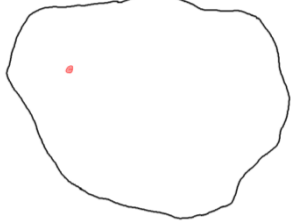

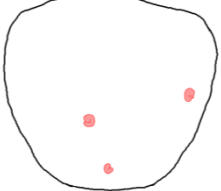
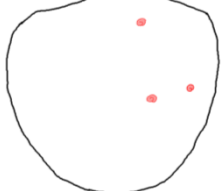
Calumet Sample 1	
Dorsal View	Ventral View
	
	
	
	
	

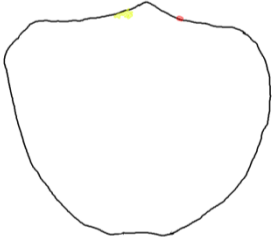


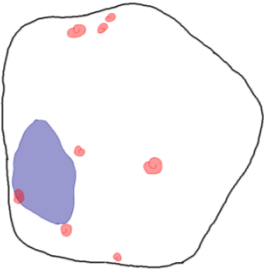
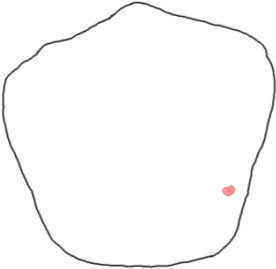
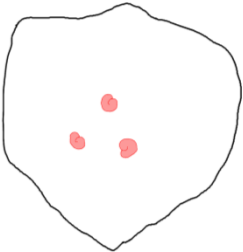
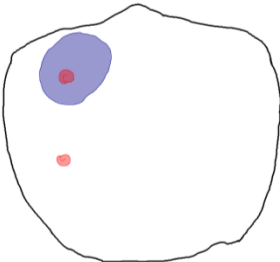
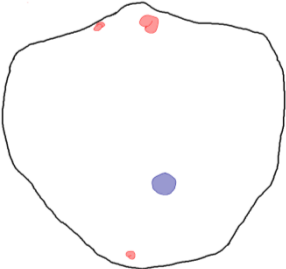
	
	
	
	
	


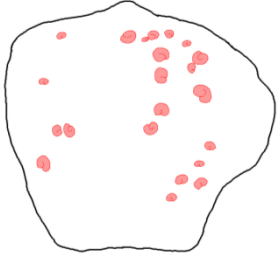
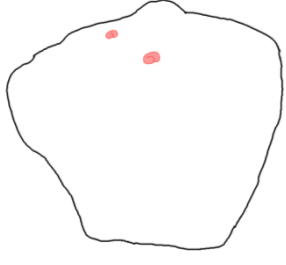
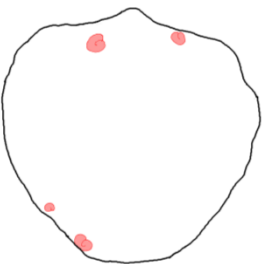
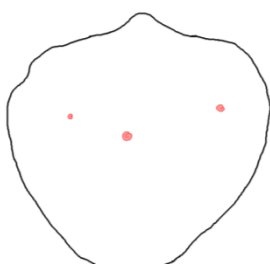

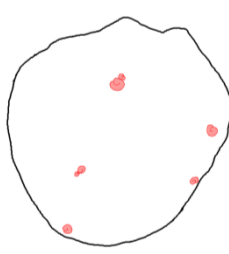
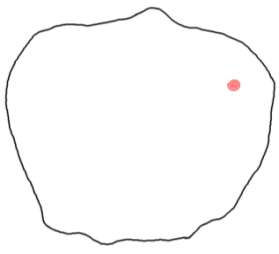
	 A diagram of a cell with an irregular black outline. Inside, there is a solid purple nucleus with a slightly irregular shape.
 A diagram of a cell with an irregular black outline. Inside, there are three small red dots arranged in a small triangle.	
 A diagram of a cell with an irregular black outline. Inside, there are two small red dots close together.	 A diagram of a cell with an irregular black outline. Inside, there is a cluster of approximately 12 small red dots.
 A diagram of a cell with an irregular black outline. Inside, there are two small red dots.	
 A diagram of a cell with an irregular black outline. Inside, there are two small red dots.	 A diagram of a cell with an irregular black outline. Inside, there is a cluster of approximately 10 small red dots.

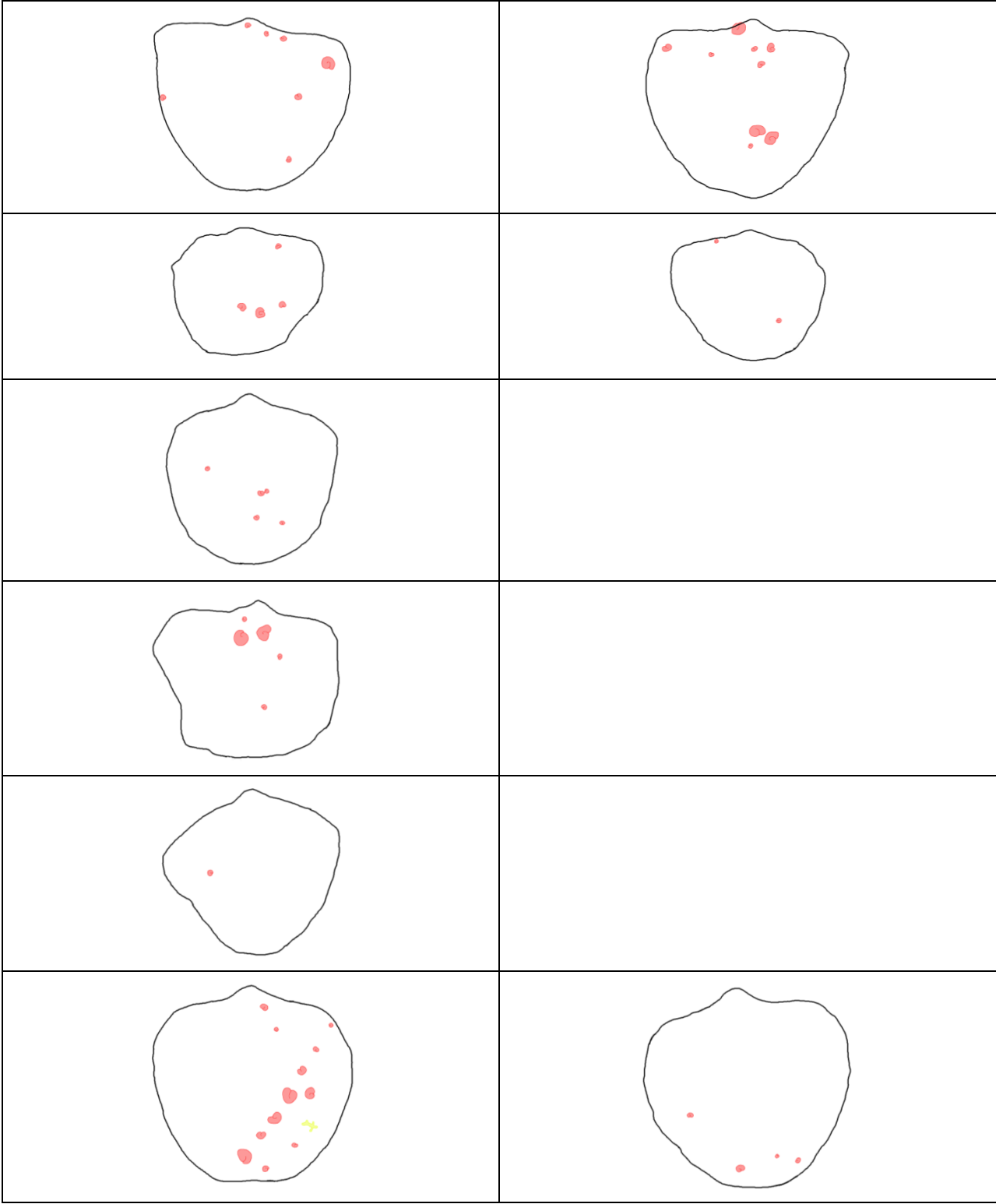
	
	
	
	
	

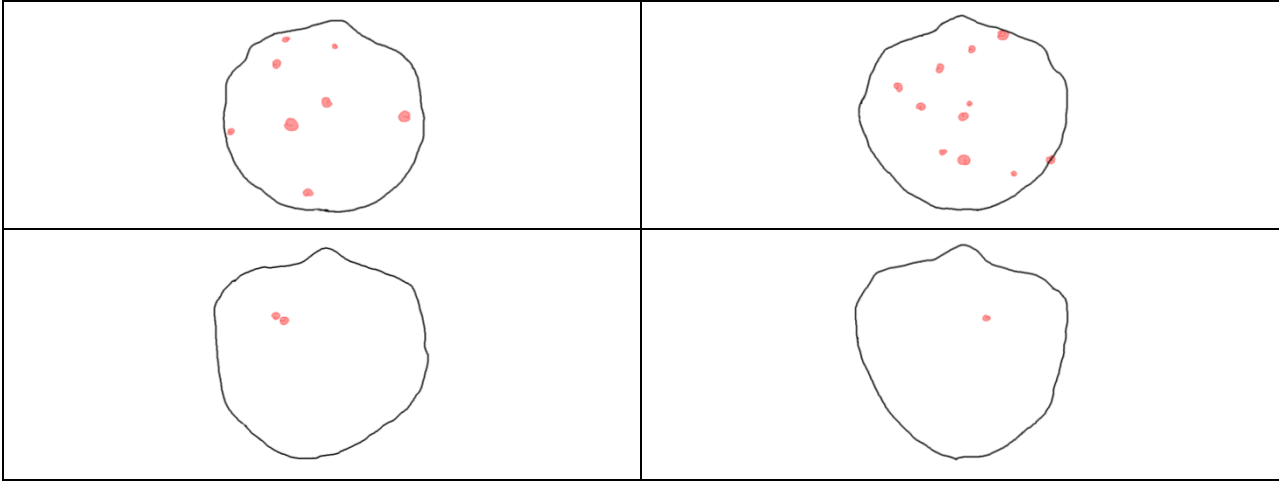
Moberly Sample 1	
Dorsal View	Ventral View
	
	
	
	
	
	

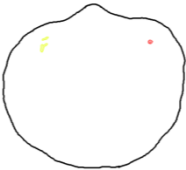
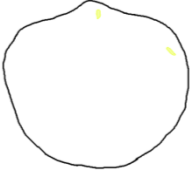


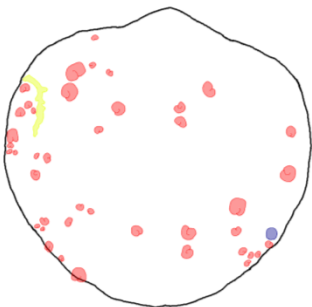
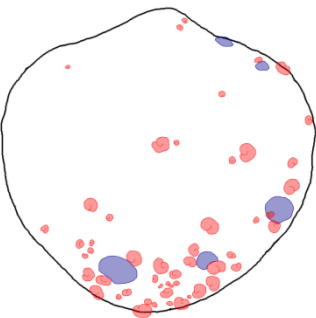
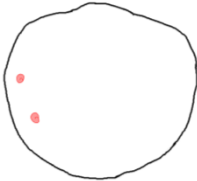
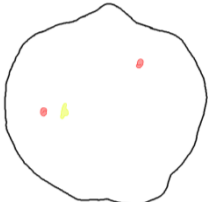
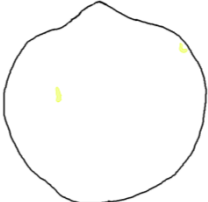



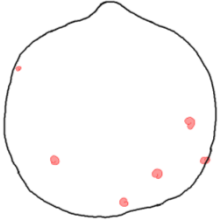
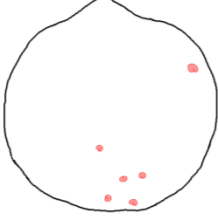
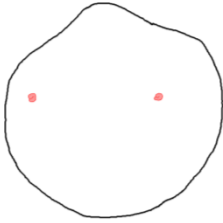
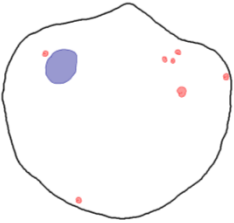
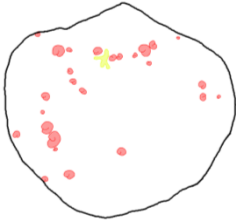
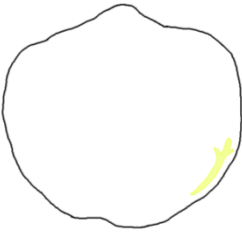
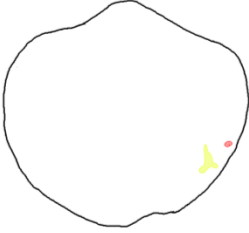
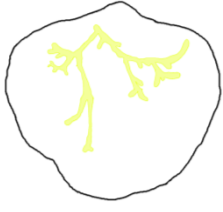
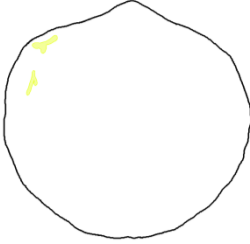
	
	
	
	
	
	

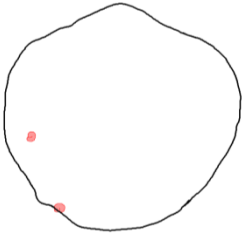
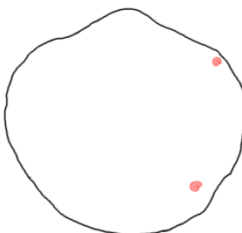
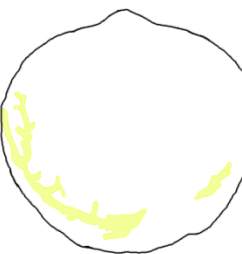
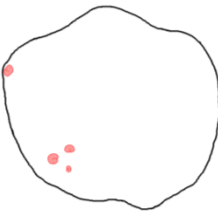
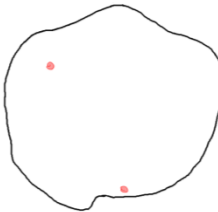


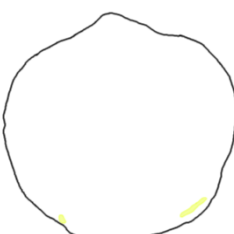
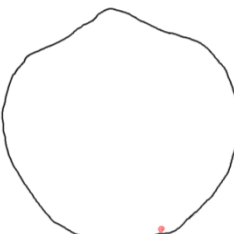
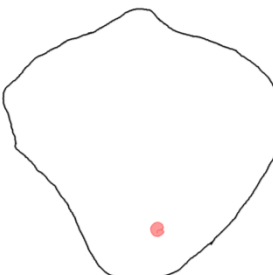
 A diagram of a cell with an irregular, rounded boundary. Inside, there are three red dots: two are clustered together on the left side, and one is positioned towards the center-right.	
 A diagram of a cell with an irregular, rounded boundary. Inside, there are fifteen red dots of varying sizes, mostly concentrated in the upper-middle and right portions of the cell.	 A diagram of a cell with an irregular, rounded boundary. Inside, there are two red dots: one is located near the top edge, and the other is slightly below and to the right of it.
 A diagram of a cell with an irregular, rounded boundary. Inside, there are five red dots: two are at the top, one is at the bottom-left, and two are at the bottom.	 A diagram of a cell with an irregular, rounded boundary. Inside, there are three red dots: one is on the left, one is in the center, and one is on the right.
 A diagram of a cell with an irregular, rounded boundary. Inside, there are ten red dots: a cluster of seven dots is in the upper-middle area, and two dots are at the bottom.	 A diagram of a cell with an irregular, rounded boundary. Inside, there are six red dots: one is at the top, one is on the right edge, one is at the bottom-right, one is at the bottom-left, and two are in the lower-middle area.
 A diagram of a cell with an irregular, rounded boundary. Inside, there is a single red dot located on the right side.	

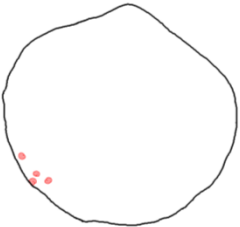
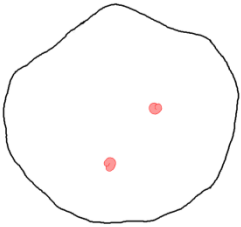
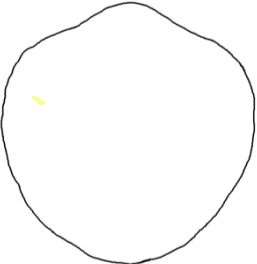
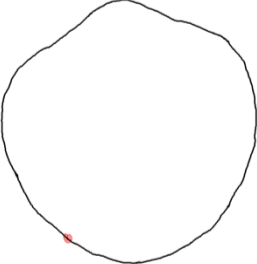
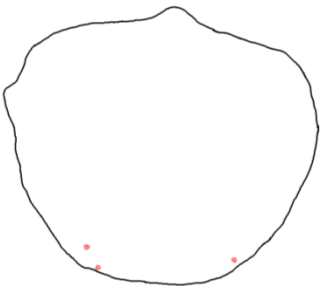
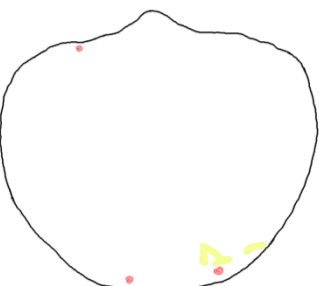
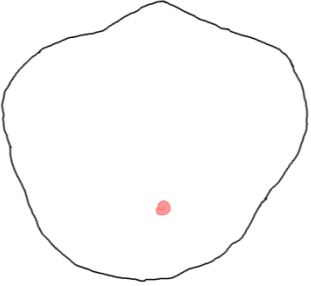
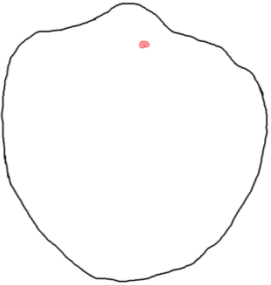
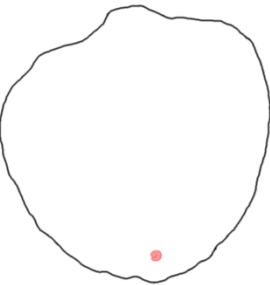




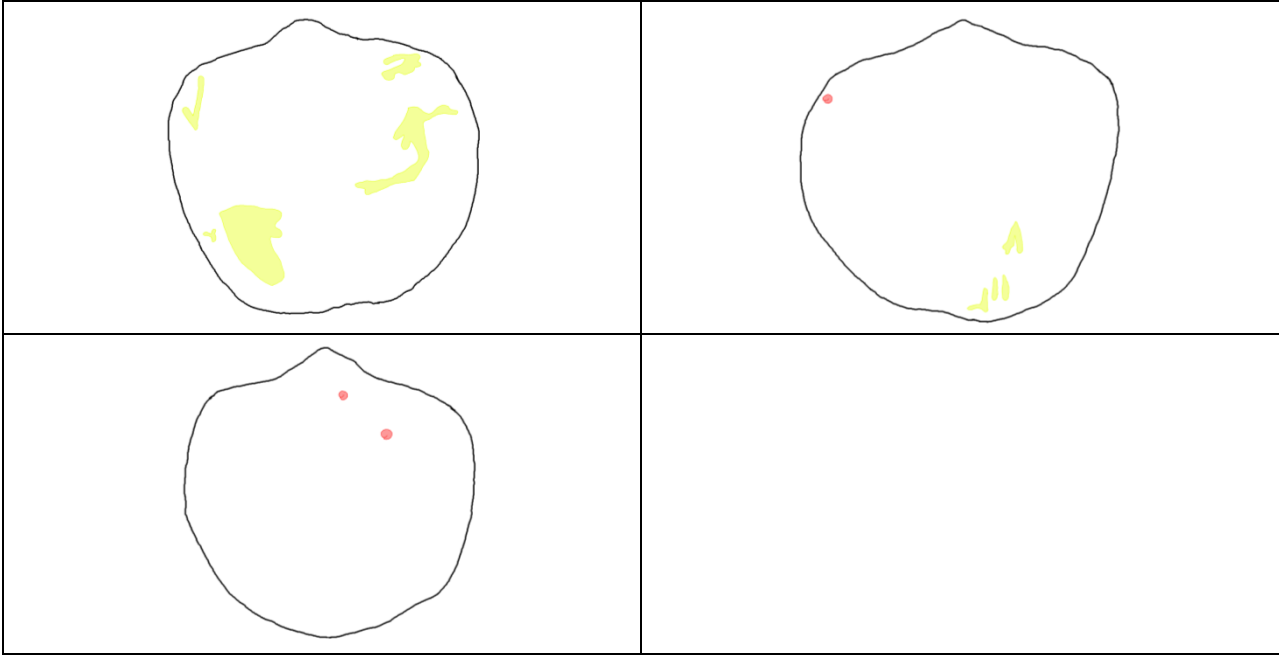
Moberly Sample 2	
Dorsal View	Ventral View
	
	
	
	
	
	





Moberly Sample 3	
Dorsal View	Ventral View
	