

Post-Paleozoic



Permian



Lower Carboniferous



Upper Devonian



Lower-Middle Devonian



Faults



International border



Monastery



River

① Ertych

② Djrvank

③ Baghrsagh

④ Gyumushlug

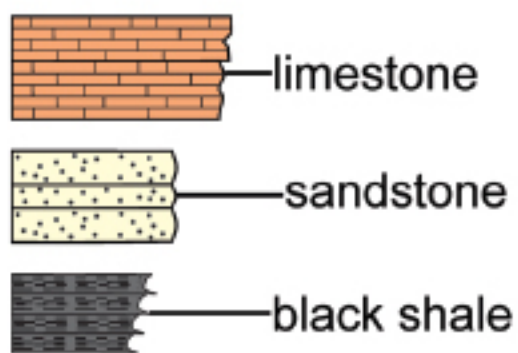
⑤ Noravank

⑥ Danzik

⑦ Gnishik

Famennian

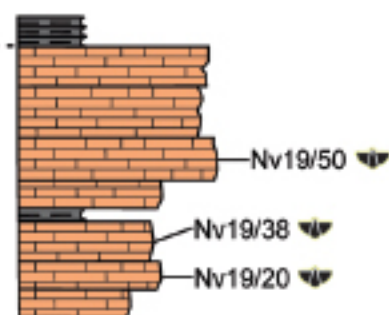
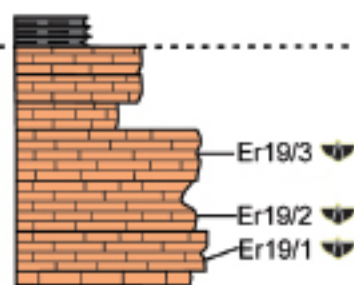
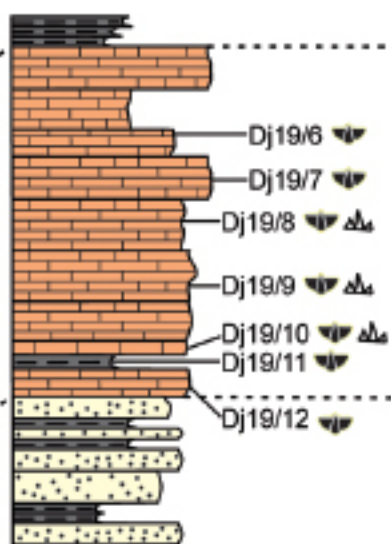
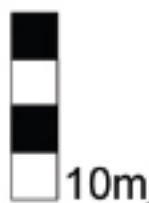
Frasnian

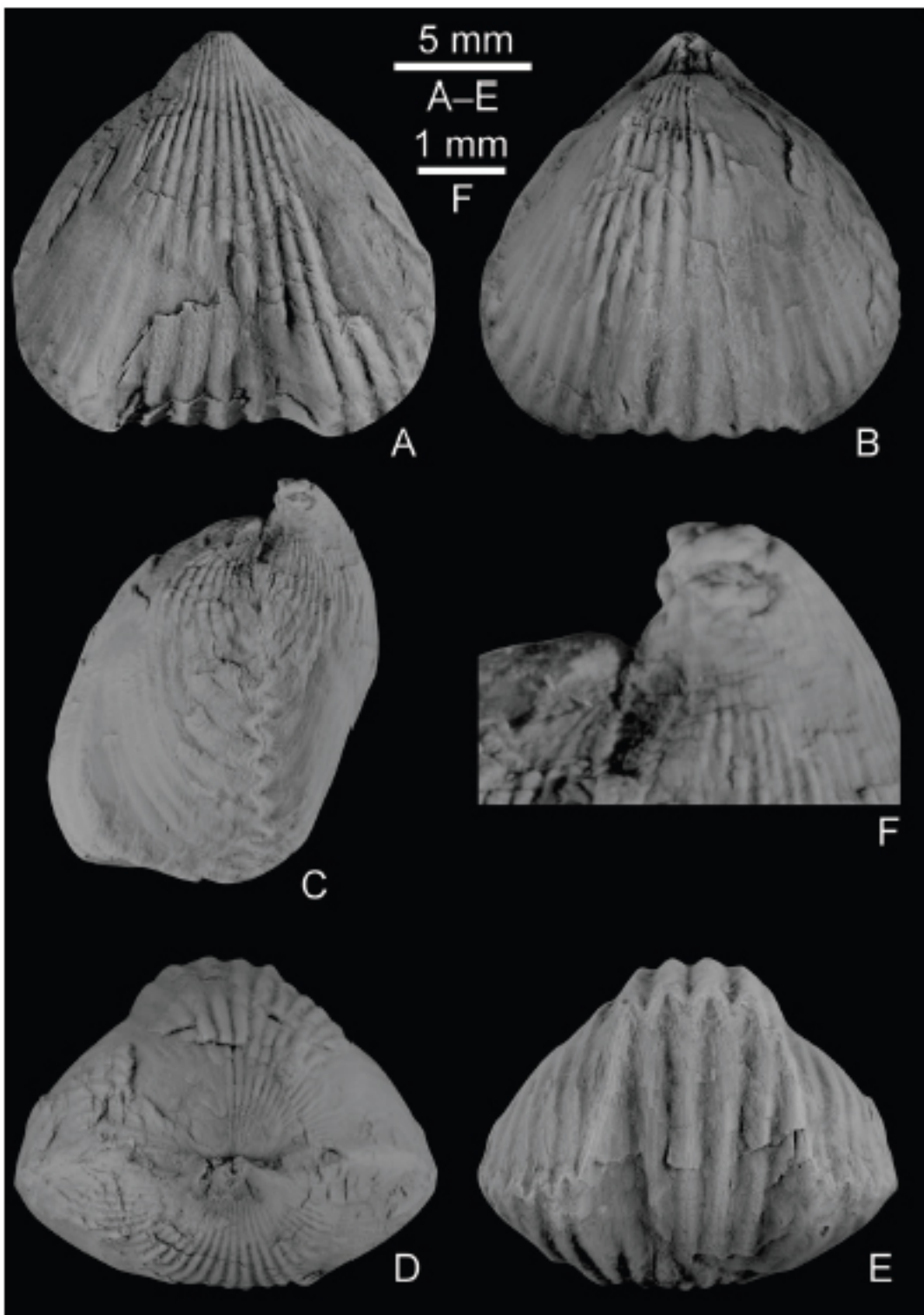


Djravank section

Ertych section

Noravank section





2 mm



0.1



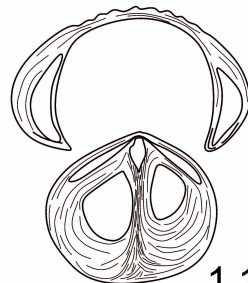
0.2



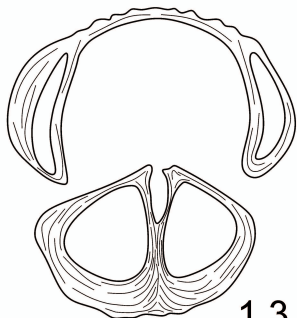
0.6



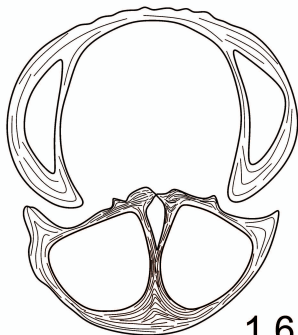
0.9



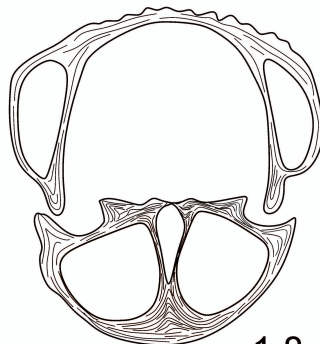
1.1



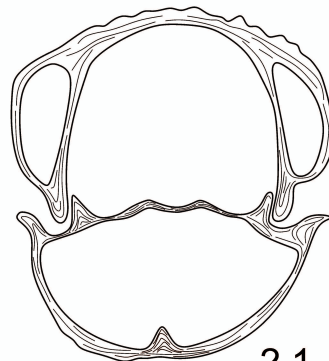
1.3



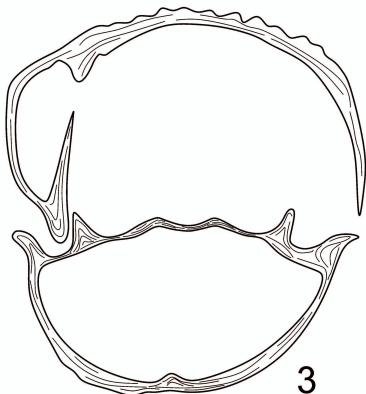
1.6



1.8

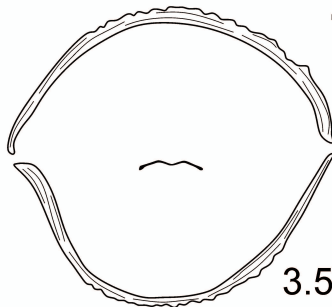


2.1

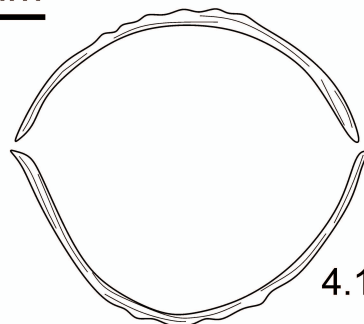


3

2 mm



3.5



4.1

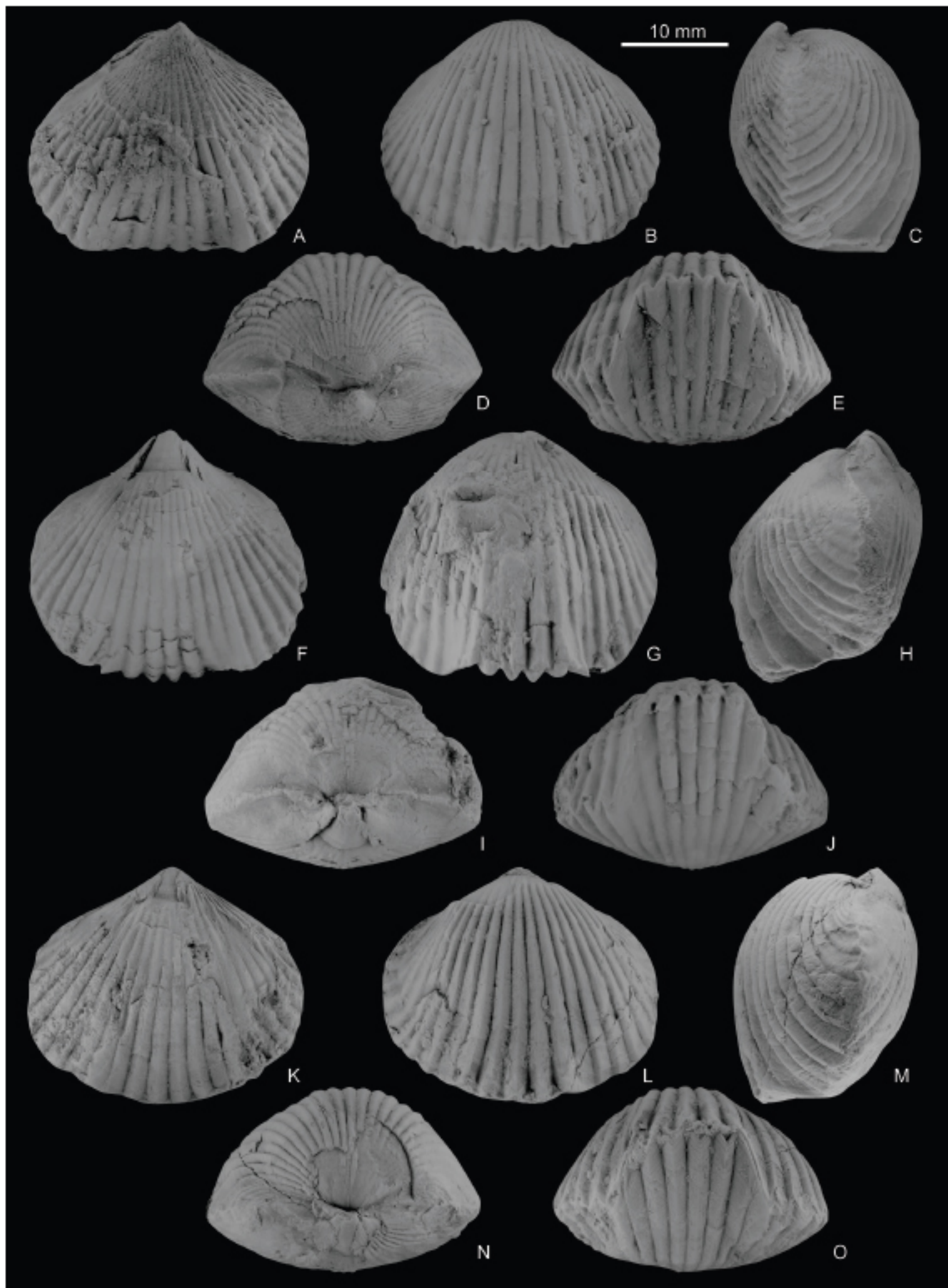
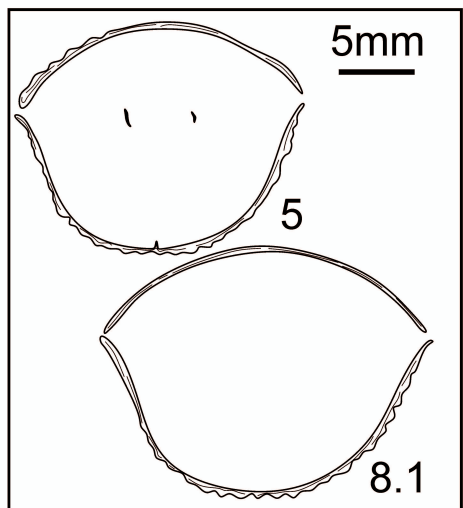
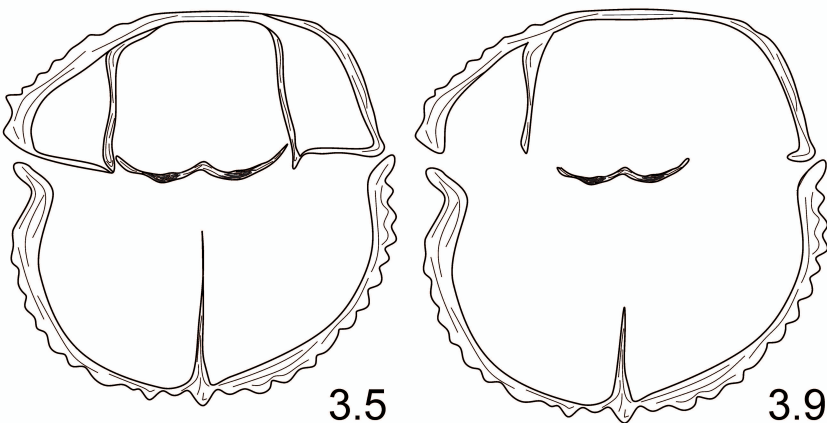
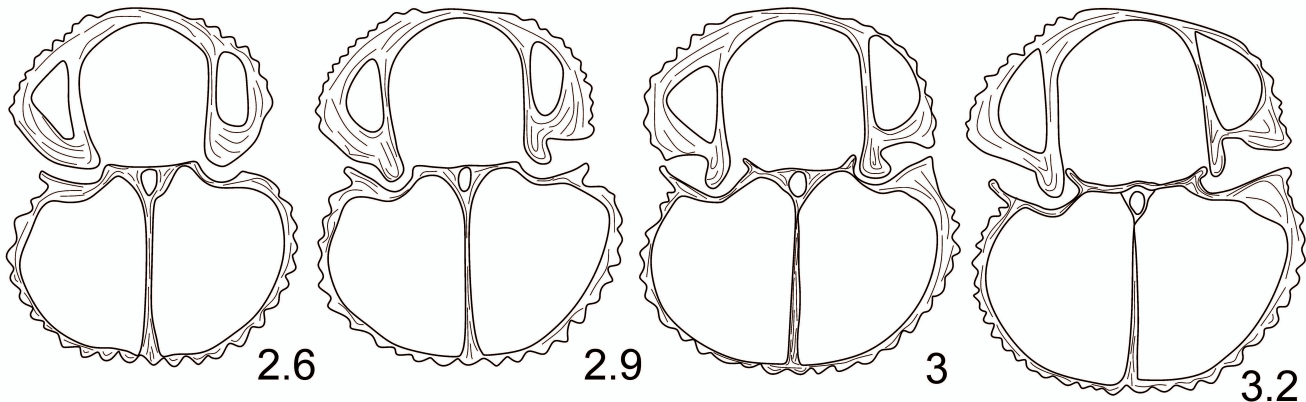
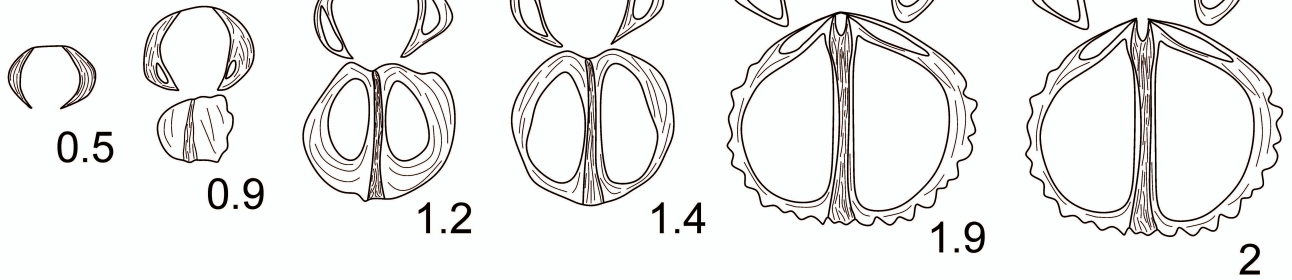
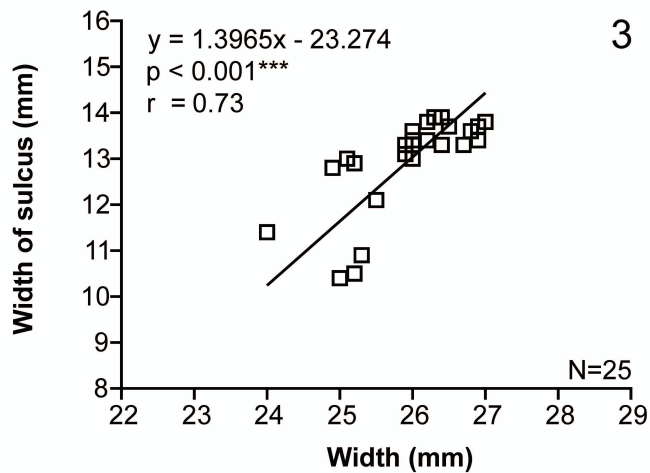
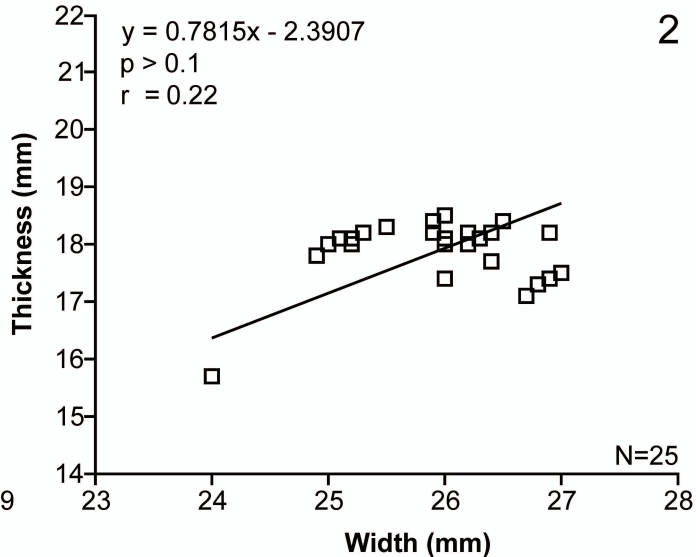
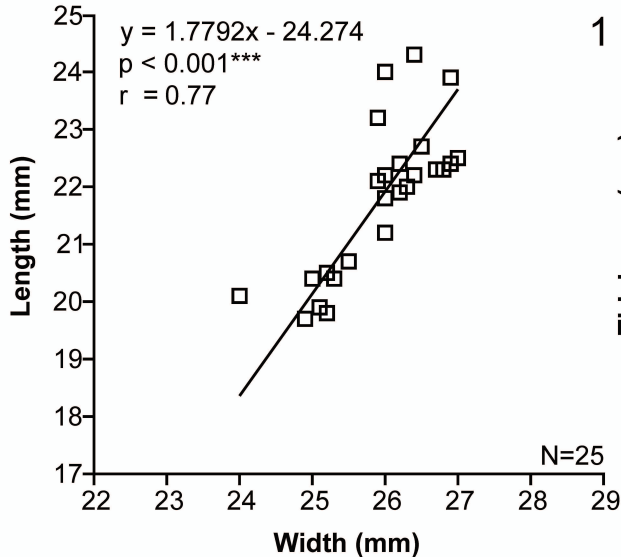
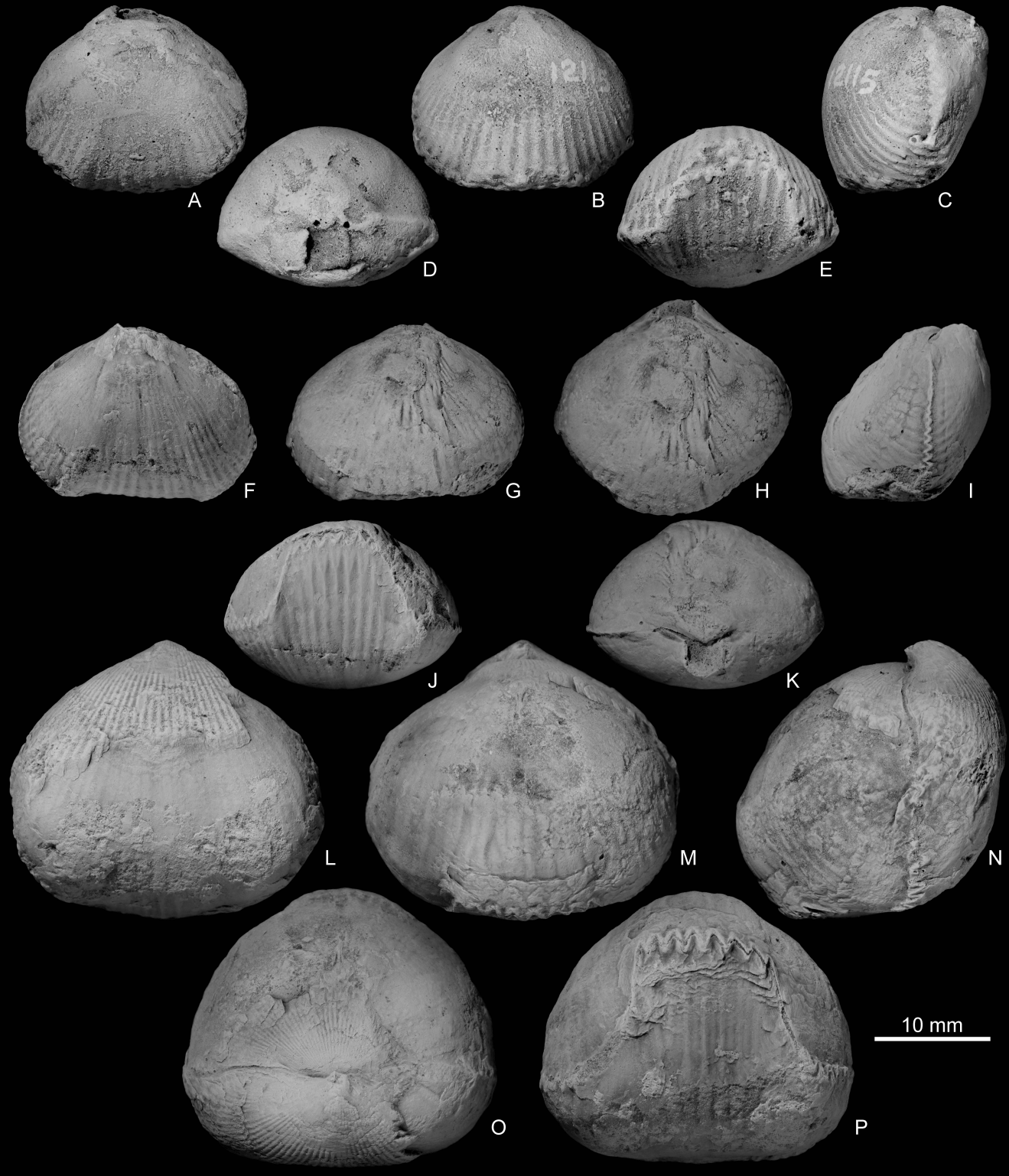


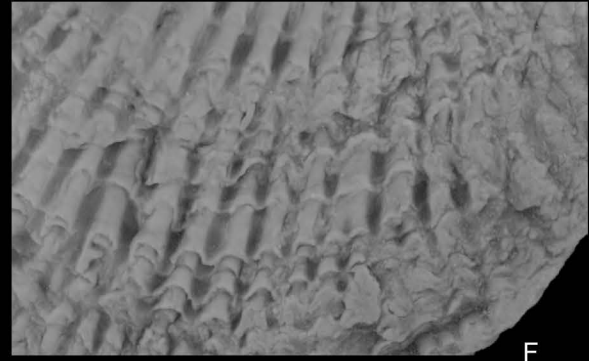
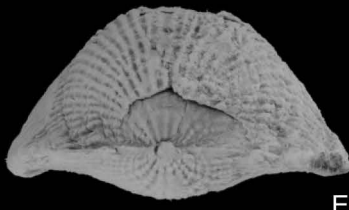
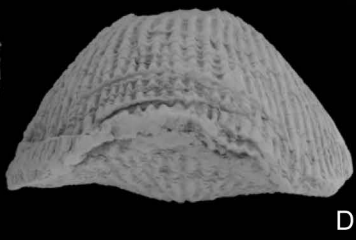
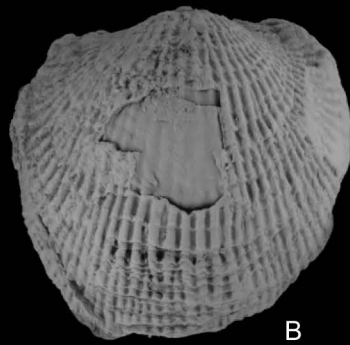
FIGURE 5

5mm

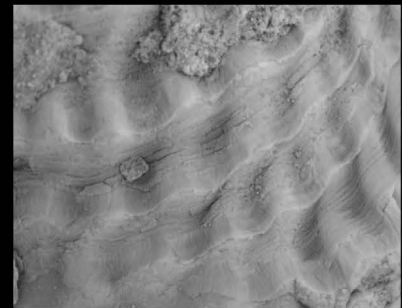
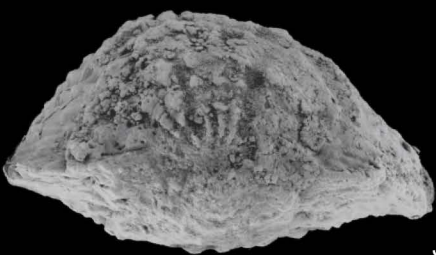
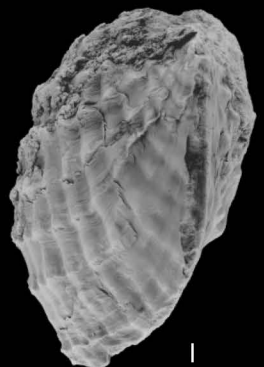
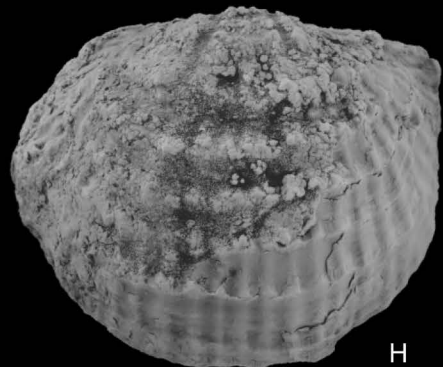
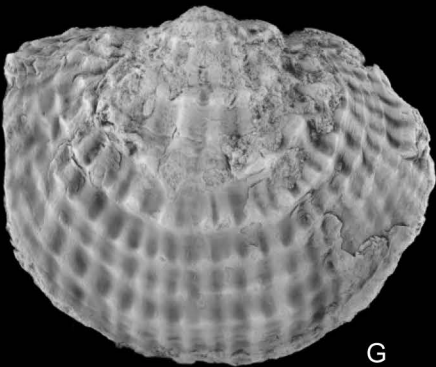


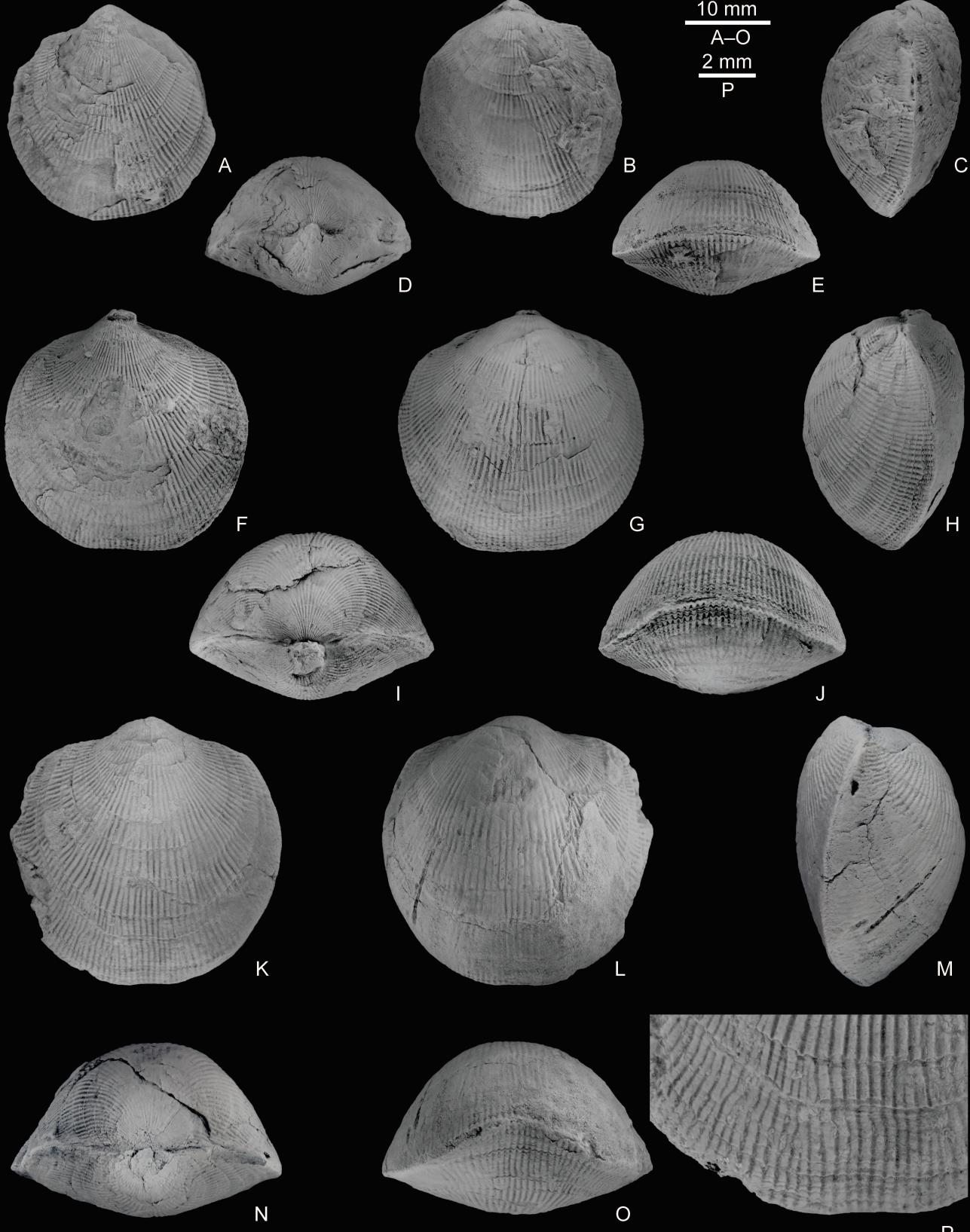




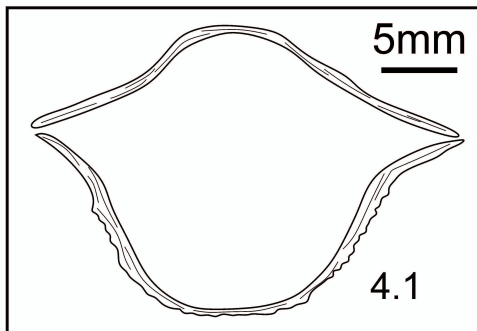
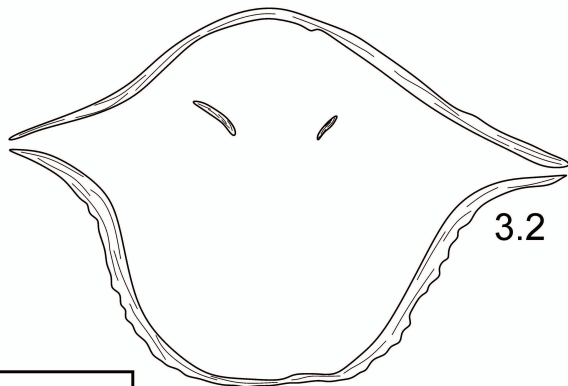
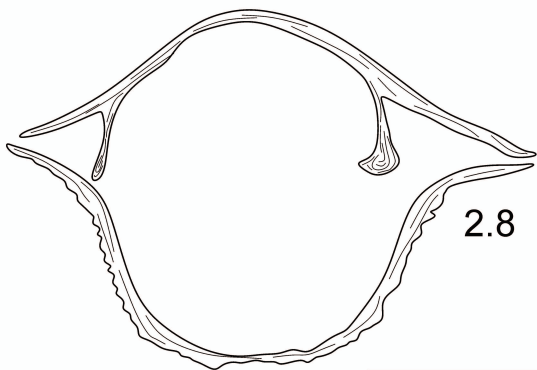
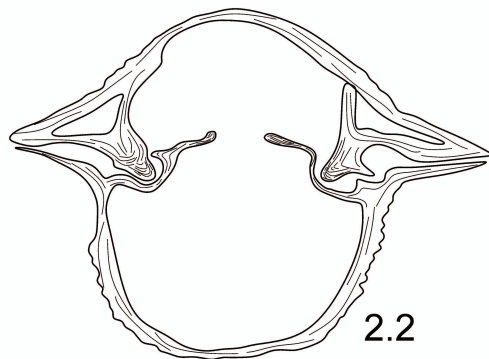
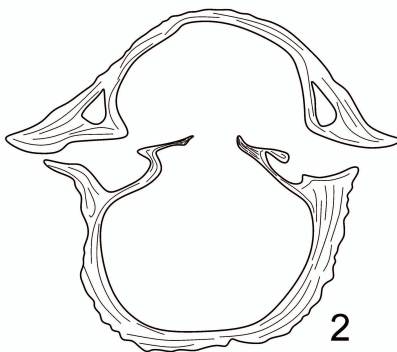
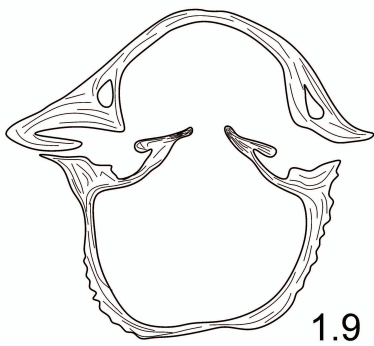
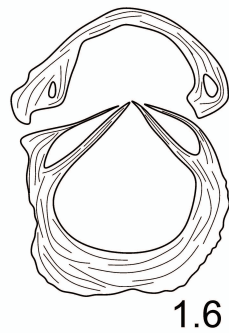
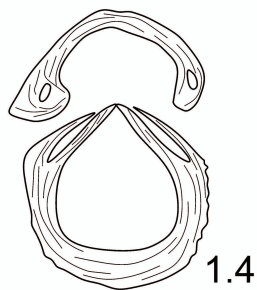
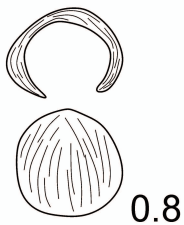
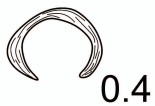


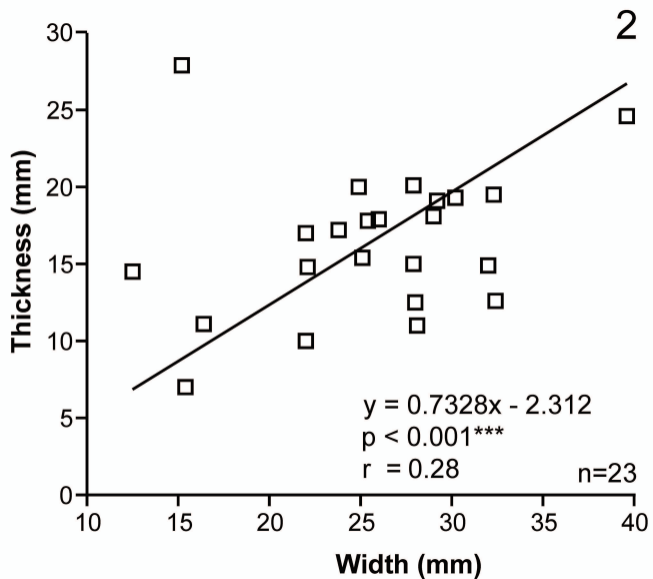
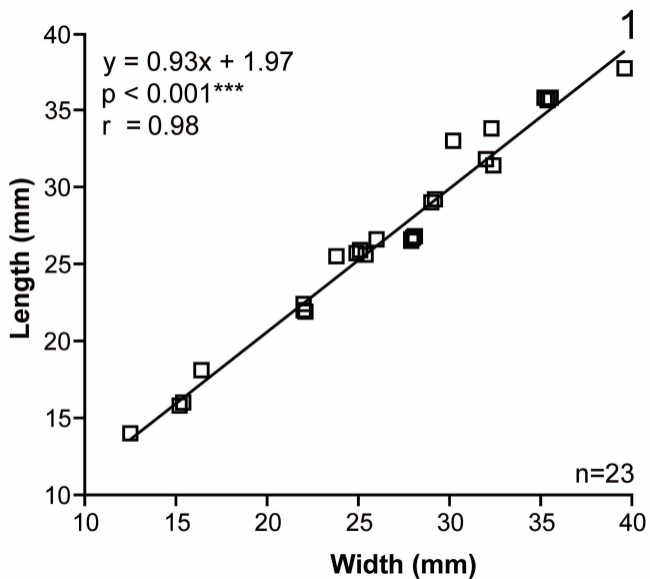
10 mm
A-E, G-K
2 mm
F, L

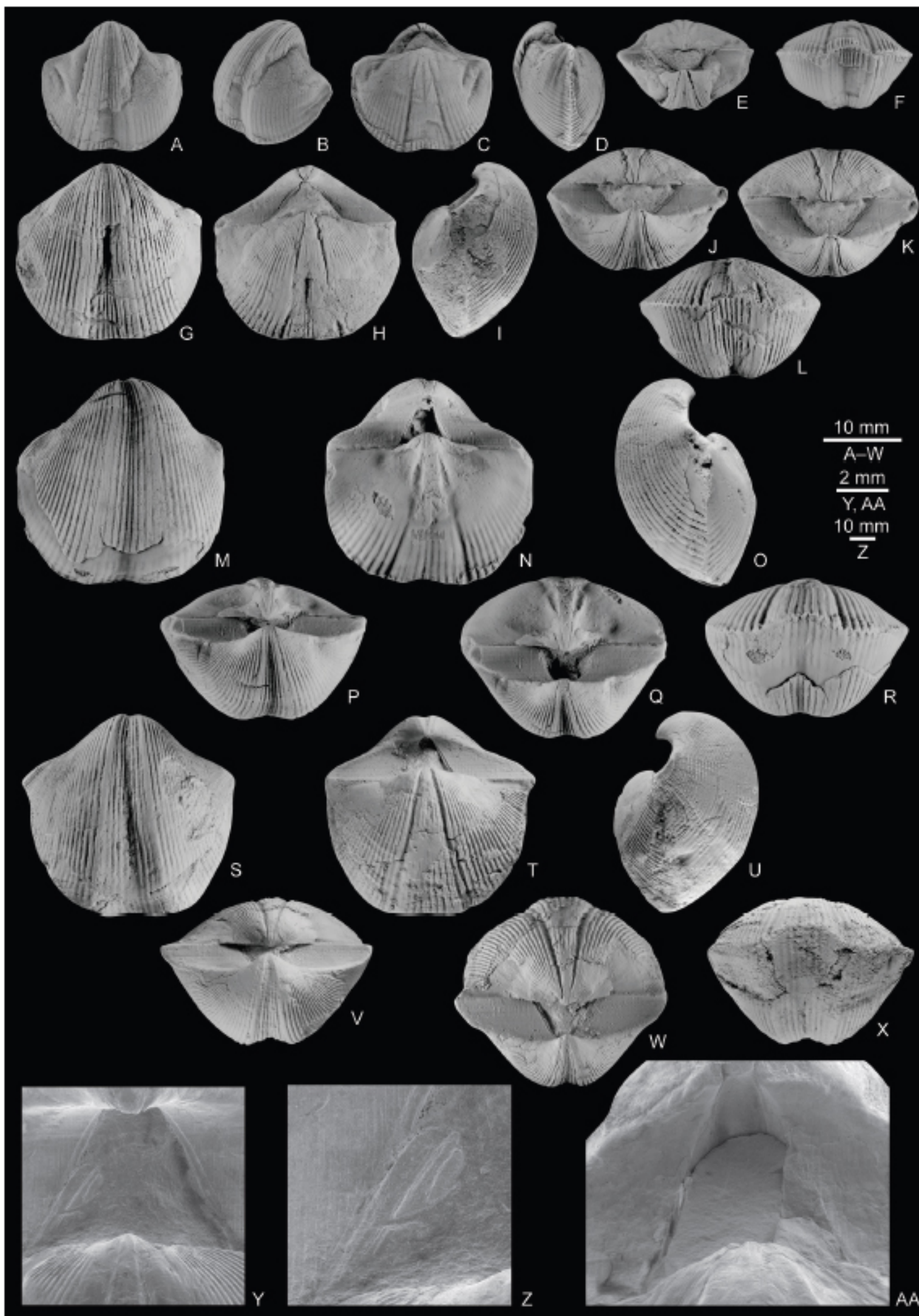


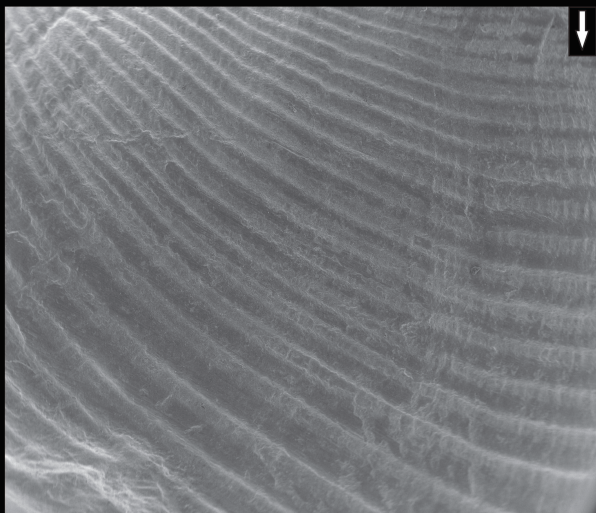


5mm

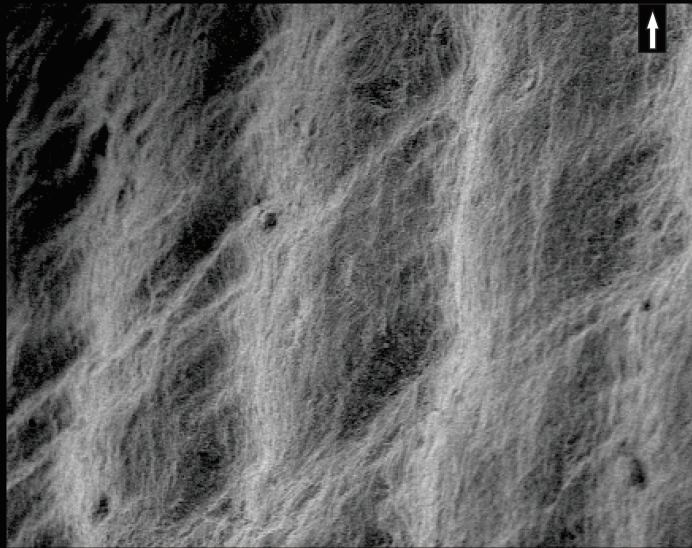




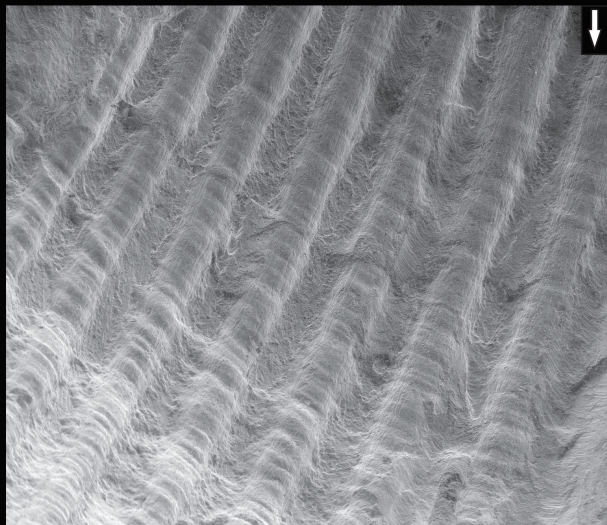




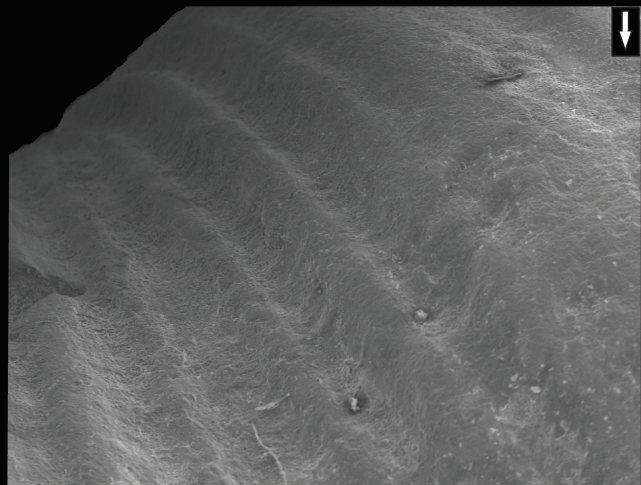
1 mm
A



0.5 mm
B



400 μm
C



400 μm
D

5mm



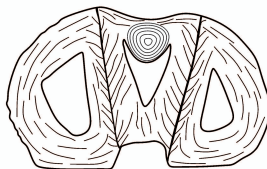
0.7



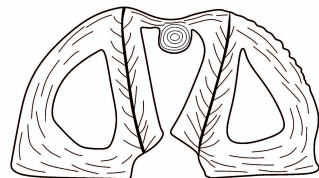
1.3



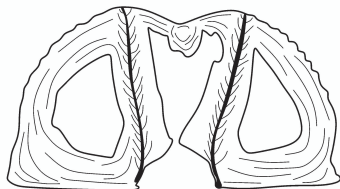
3



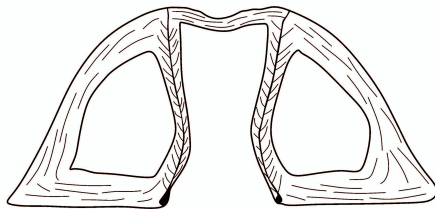
4.9



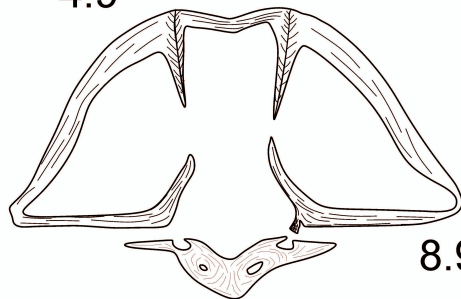
6



6.5

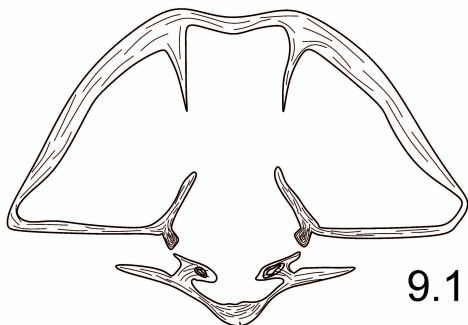


7.9



8.9

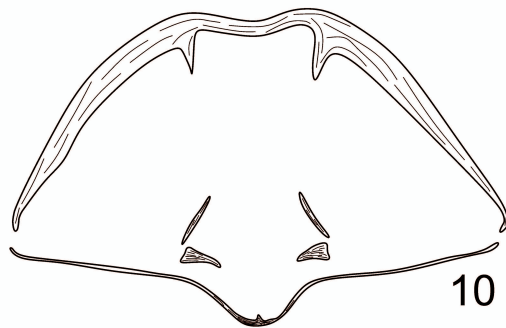
5mm



9.1

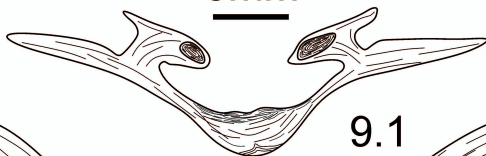


7.9

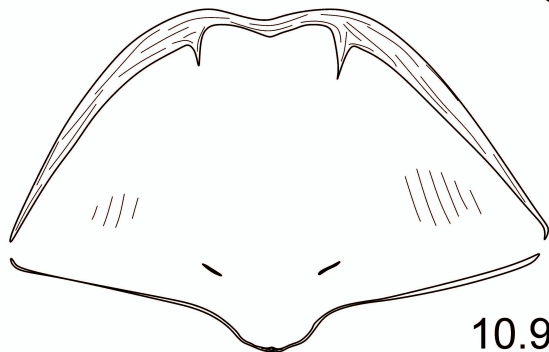


10

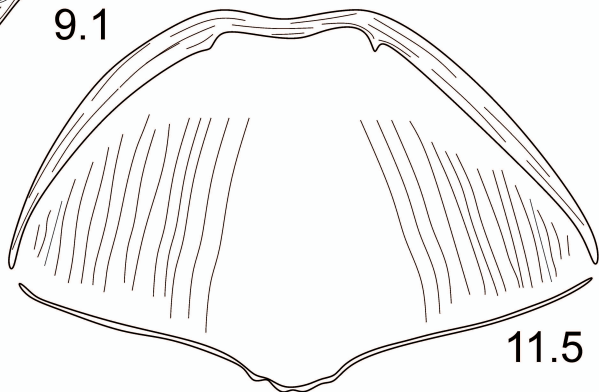
5mm



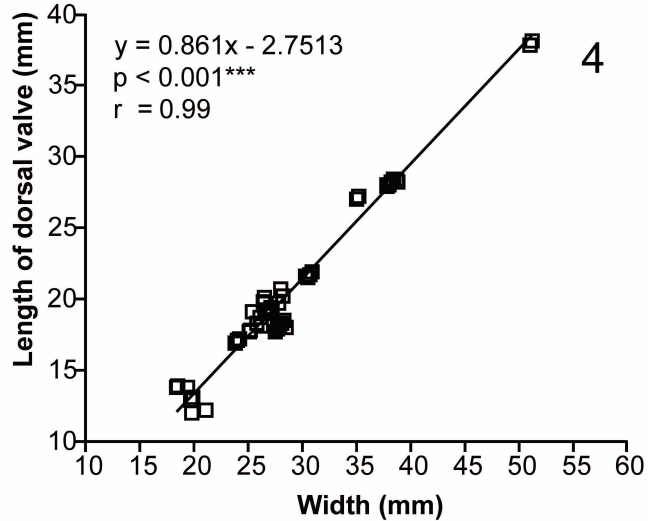
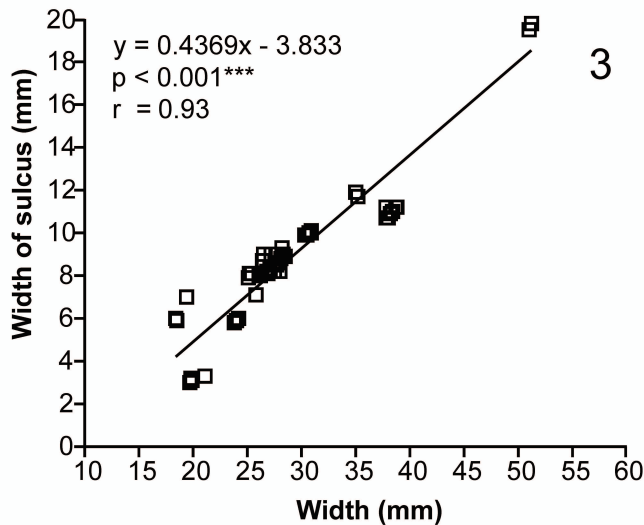
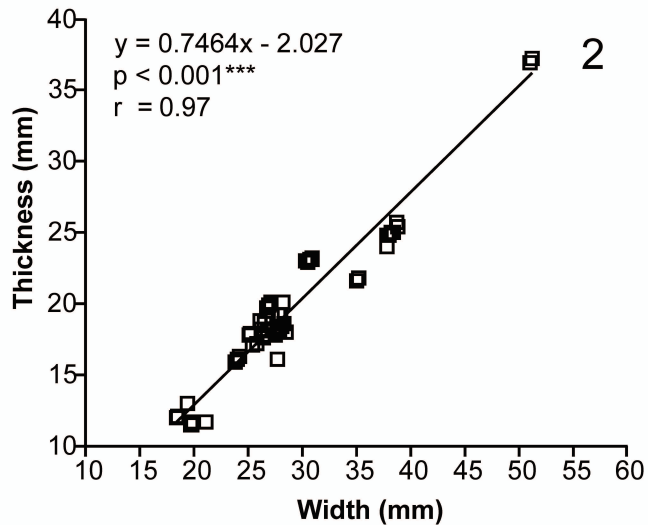
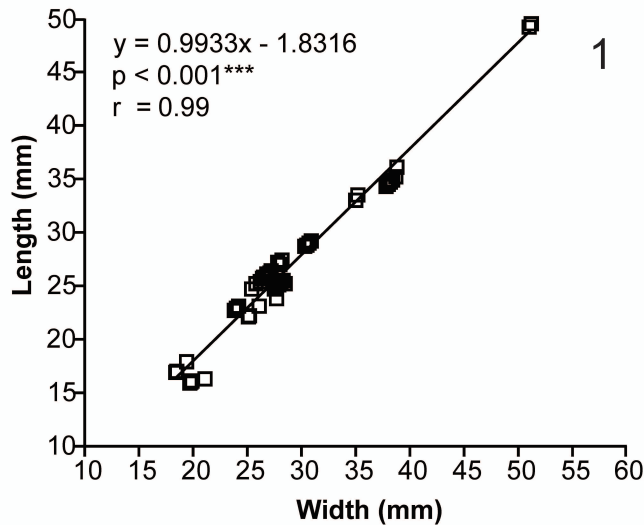
9.1



10.9

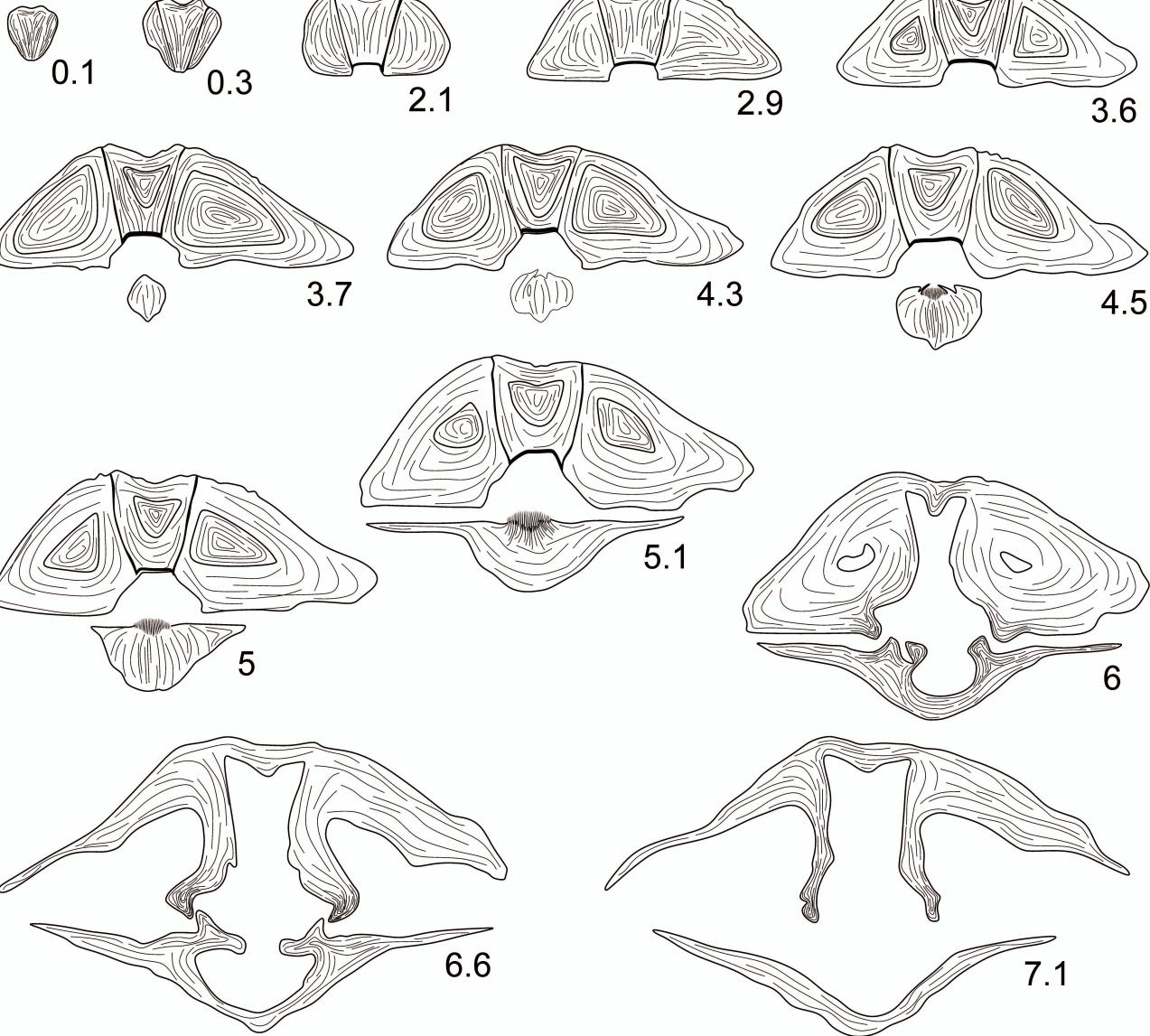


11.5

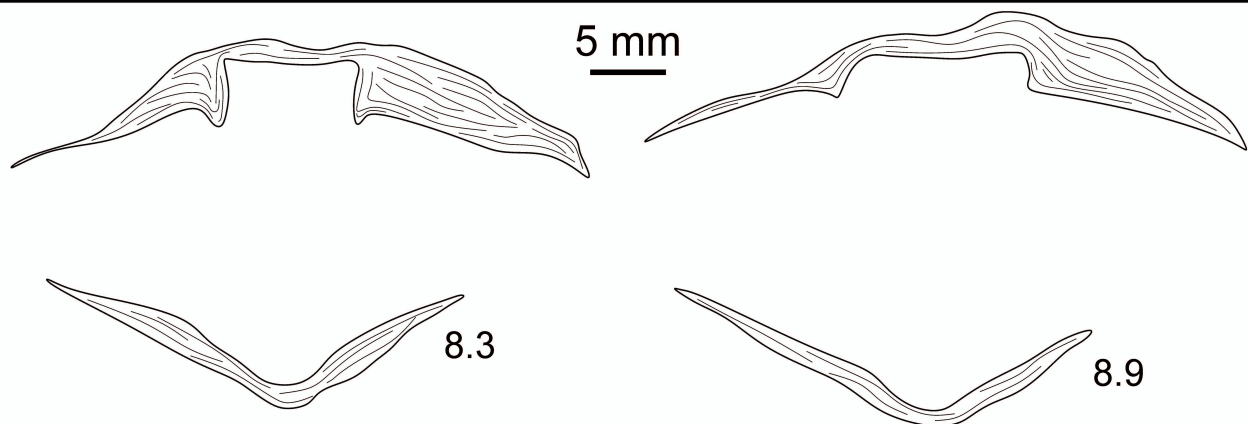




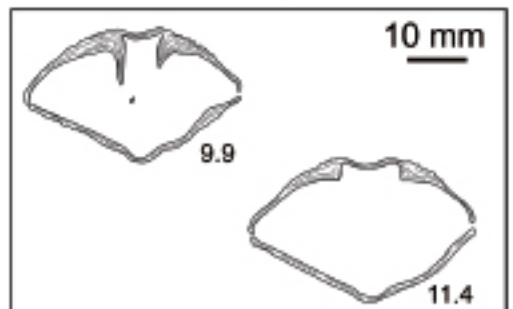
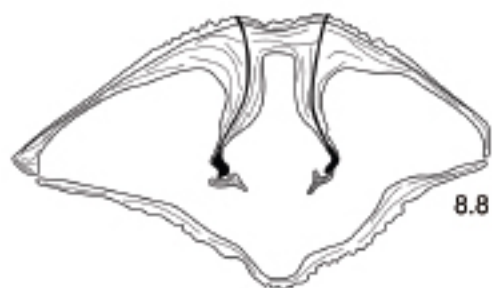
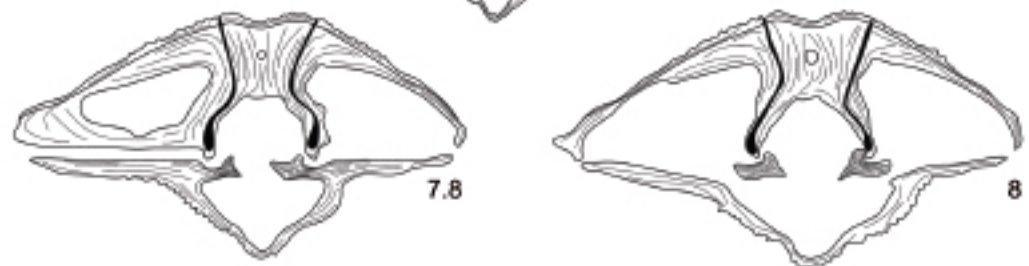
5 mm

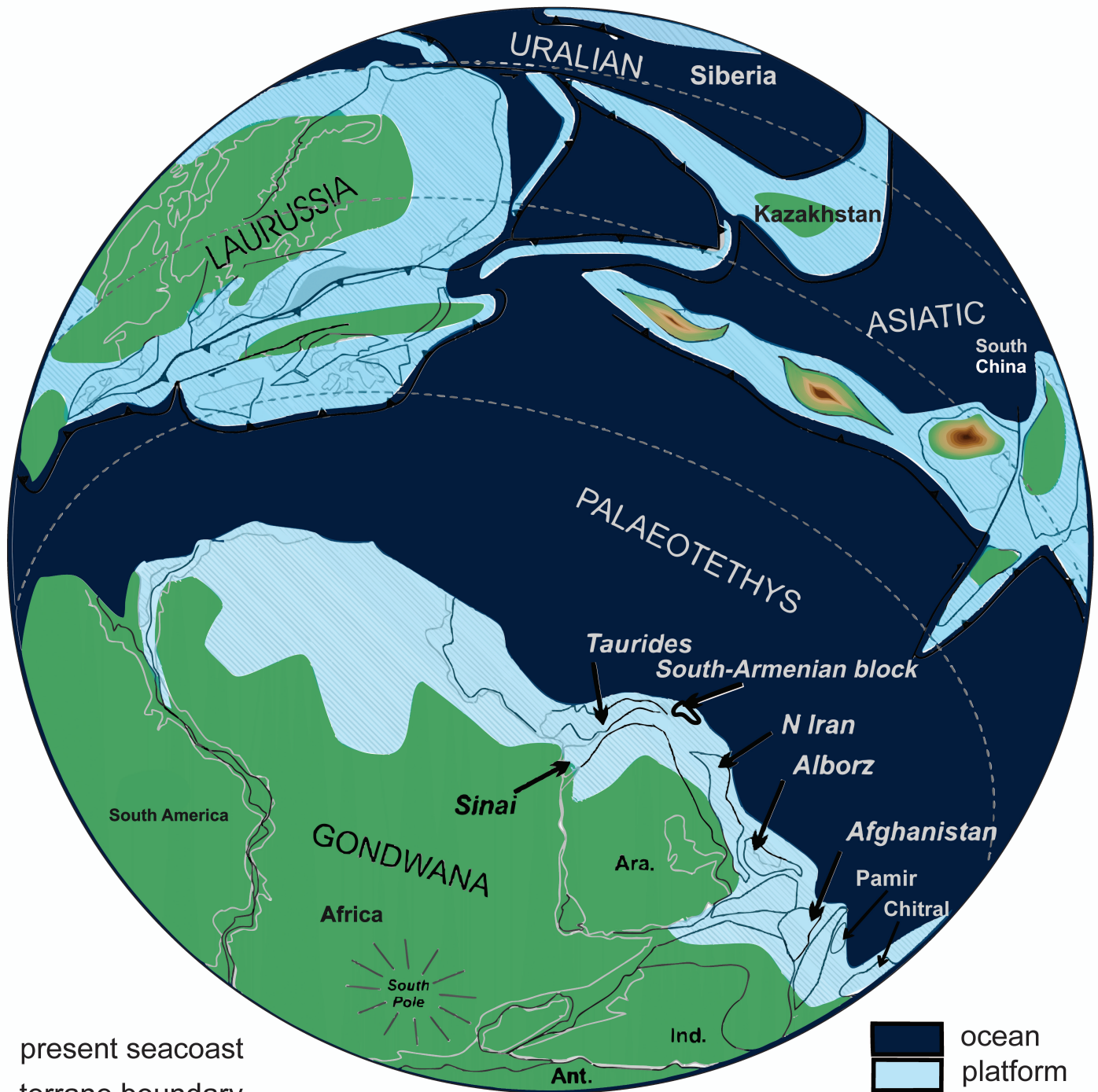





5 mm






5 mm





-  present seacoast
-  terrane boundary
-  active margin

-  ocean
-  platform
-  land

Stage	Substage	Conodont zones		Brachiopod zones					
		Standard (Ziegler & Sandberg, 1990)	Local zones established in Nakhichevan (Aristov, 1994)	Abrahamyan (1957)	Grechishnikova et al. (1982)	Rzhonsnitskaya & Mamedov (2000)	Mirieva (2010)	Serobyán et al. (2022b) & current study	
Famennian	lower	<i>crepida</i>	<i>Polygnathus brevilaminus</i> <i>Icriodus cornutus</i>	<i>Cyrtospirifer orbelianus</i>	<i>Cyrtospirifer asiaticus</i> – <i>Mesoplica meisteri</i>	<i>Cyrtopsis orbelianus</i> – <i>Cyrtopsis armenicus</i>	<i>Ripidiorhynchus kotalensis</i>	<i>Aramazdospirifer orbelianus</i> – <i>Tornatospirifer armenicus</i>	
		<i>triangularis</i>	<i>Polygnathus brevilaminus</i>			<i>Mesoplica meisteri</i> – <i>Cyrtospirifer asiaticus</i>	<i>Ripidiorhynchus grasica</i>		
Frasnian	upper	<i>linguiformis</i>	Unzoned	<i>Cyrtospirifer lonsdalii</i> , <i>Productella herminae</i> , <i>Camarotoechia radiata arpaensis</i> and five other species	Unzoned	Unzoned	Unzoned	Unzoned	
		<i>rhenana</i>							
	middle	<i>jamieae</i>							
		<i>hassi</i>							
	lower	<i>punctata</i>							<i>Ancyrodella rotunbiloba</i>
		<i>transitans</i>							
Up.	<i>falsiovalis</i>	<i>Ancyrodella binodosa</i>							