

## APPENDIX 8

### The environmental requirements of the main foraminifera genera recorded in the studied sections

Genus	General morphotype	Mode of life	Preferred substratum	Temperature	Salinity	Depth/ Environment	Oxic preference
<i>Affinetrina</i>	enrolled or partly uncoiled milioline	epifaunal	-	cold-warm	-	inner shelf	-
<i>Ammonia</i>	biconvex low trochospiral	Epifaunal/semi-infaunal; free living	mud/fine sediment	warm-temperate	brackish/normal-marine/hypersaline	shallow	oxic/suboxic
<i>Anomalinoides</i>	planoconvex trochospiral	epifaunal; attached			brackish to normal-marine	inner to outer shelf	oxic
<i>Articularia</i>	enrolled or partly uncoiled milioline	epifaunal	-	-	-	-	-
<i>Articulina</i>	enrolled or partly uncoiled milioline	epifaunal; free living	muddy sediment	warm-temperate	normal-marine to hypersaline	inner shelf-bathyal	-
<i>Bolivina</i>	flattened tapered	infaunal/epifaunal; free living	muddy sediment	cold-warm	normal marine	inner shelf-bathyal	dysoxic
<i>Bulimina</i>	tapered and cylindrical	infaunal; free living	mud/fine sand	cold temperate	normal-marine	inner shelf-bathyal	dysoxic
<i>Cibicides</i>	planoconvex trochospiral	epifaunal; attached	hard substrate	cold-warm	normal-marine	shelf-bathyal	oxic
<i>Cycloforina</i>	enrolled or partly uncoiled milioline	epifaunal	-	cold-warm	normal-marine to hypersaline	inner shelf	-
<i>Elphidiella</i>	planispiral with rounded periphery	?infaunal; free living	sand	cold	brackish to normal- marine	inner to outer shelf	suboxic
<i>Elphidium</i> unkeeled	planispiral with rounded periphery	infaunal; free living	mud; sand	warm-temperate	brackish to hypersaline	inner shelf	oxic
<i>Elphidium</i> keeled and/or with spines	planispiral with keel and/or spines	epifaunal; free living	sand; vegetation	warm-temperate	normal-marine	inner shelf	oxic
<i>Fissurina</i>	spherical, flattened ovoid or tapered and cylindrical	infaunal	sand	cold	brackish	shelf	suboxic
<i>Hanzawaia</i>	planoconvex trochospiral	epifaunal; clinging	hard substrates	warm-temperate	normal-marine	inner shelf	oxic
<i>Hansenisca</i>	planoconvex trochospiral	epifaunal; free living	mud	cold	normal marine	shelf-bathyal	suboxic
<i>Heterolepa</i>	planoconvex trochospiral	epifaunal; clinging	hard substrates	cold-temperate	normal marine	shelf-bathyal	oxic
<i>Lobatula</i>	planoconvex trochospiral	epifaunal	hard substrates	cold-warm	normal-marine	shelf-bathyal	oxic
<i>Melonis</i>	planispiral with rounded periphery	infaunal; free living	mud; silt	cold	normal-marine	inner shelf-bathyal	suboxic/dysoxic
<i>Miliolina</i>	enrolled or partly uncoiled milioline	epifaunal, high energy environment	sand	warm-tropical	brackish to normal-marine	inner shelf	oxic
<i>Miliolinella</i>	enrolled or partly uncoiled milioline	epifaunal; clinging	hard substrates; plants	warm-temperate	normal-marine to hypersaline	inner shelf	-
<i>Nonion</i>	planispiral with rounded periphery	infaunal; free living	mud; silt	cold-warm	brackish to normal- marine	mid shelf-bathyal	suboxic
<i>Porosonion</i>	planispiral with rounded periphery	infaunal	sand	-	brackish	shelf	oxic
<i>Pseudotriloculina</i>	enrolled or partly uncoiled milioline	epifaunal; free living or clinging	mud; sand; plants	warm-temperate	normal-marine to hypersaline	inner shelf	-

<i>Pullenia</i>	rounded planspiral	infaunal; free living	mud	cold	normal-marine	outer shelf-bathyal	suboxic
<i>Quinqueloculina</i>	enrolled or partly uncoiled milioline	epifaunal; free living or clinging	plants; sediments	cold-warm	normal-marine to hypersaline	shelf, rarely bathyal	oxic/suboxic
<i>Sigmoilinita</i>	enrolled or partly uncoiled milioline	epifaunal	-	-	-	mid shelf-bathyal	oxic
<i>Textularia</i>	flattened tapered	epifaunal, free living; clinging	hard substrates	cold-warm	normal-marine	shelf-bathyal	suboxic
<i>Triloculina</i>	enrolled or partly uncoiled milioline	epifaunal; free living or clinging	mud; sand; plants	warm-temperate	normal-marine to hypersaline	inner shelf	oxic
<i>Uvigerina</i>	tapered and cylindrical	infaunal; free living	muddy sediments	cold-temperate	normal-marine	shelf-abyssal	dysoxic
<i>Varidentella</i>	enrolled or partly uncoiled milioline	epifaunal	-	-	-	shelf	-

Salinity: brackish = 0-32‰, normal marine = 32-37‰, hypersaline = > 37‰; Depth: shelf = 0-180 m, bathya l = 180 - ≈ 4000 m, abysa l = > 4000 m (after Murray, 2006); Temperature: tropical = 24-30°C; warm-temperate = 23-19; cold-temperate = 10-18 °C (after Boltovskoy and Wright, 1976). References: Łuczowska (1974); Corliss and Chen (1988); Thomas (1990); Kaiho (1991, 1999); Murray (1991, 2006); Langer (1993); Duleba et al. (1999); Nagy et al. (2000); Lukina (2001); Alegret et al. (2003); Licari et al. (2003); Rögl and Spezzaferri (2003); Drinia et al. (2004); Pezelj et al. (2007, 2013, 2016); Tóth and Görög (2008); Gebhardt et al. (2009); Koubová and Hudáčková (2010); Peryt and Gedl (2010); Mateu-Vicens et al. (2010); Grunert et al. (2012); Peryt and Jasionowski (2012); Dubicka et al. (2015); Silye (2015); Lowery et al. (2017); Dumitriu et al. (2018)