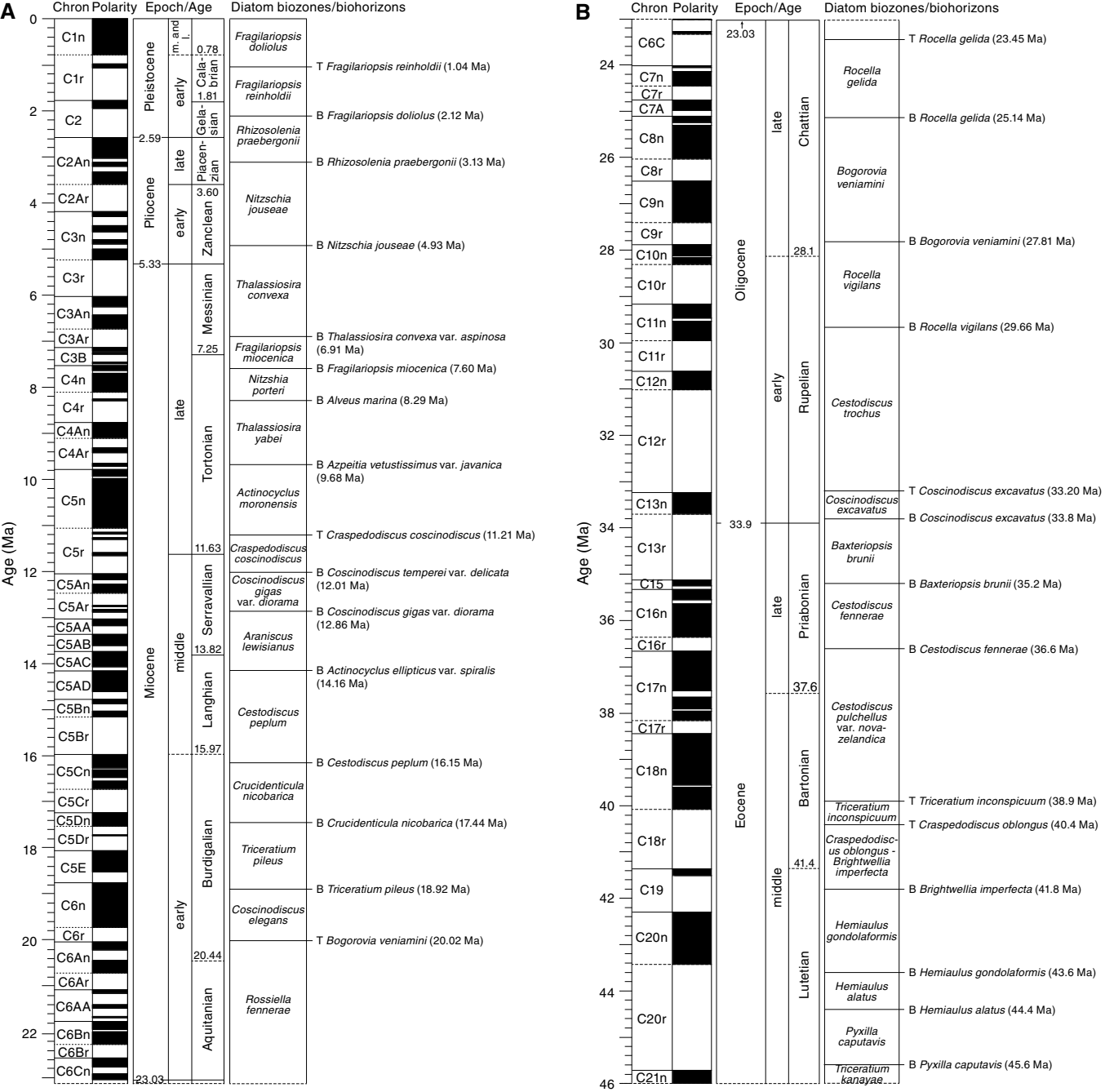
A
B
Chron
Polarity
Epoch/Age
Diatom biozones/biohorizons
Age (Ma)
C1n
C1r
C2
C2An
C2Ar
C3n
C3r
C3An
C3Ar
C3B
C4n
C4r
C4An
C4Ar
C5n
C5r
C5An
C5Ar
C5AA
C5AB
C5AC
C5AD
C5Bn
C5Br
C5Cn
C5Cr
C5Dn
C5Dr
C5E
C6n
C6r
C6An
C6Ar
C6AA
C6Bn
C6Br
C6Cn
Pleistocene
Pliocene
Miocene
Oligocene
Eocene
early
late
middle
Calabrian
Gelasian
Piacenzian
Zanclean
Messinian
Tortonian
Serravallian
Langhian
Burdigalian
Aquitanian
Chattian
Rupelian
Priabonian
Bartonian
Lutetian
0.78
1.81
2.59
3.60
5.33
7.25
11.63
13.82
15.97
20.44
23.03
28.1
33.9
37.6
41.4
Fragilariopsis doliolus
Fragilariopsis reinholdii
Rhizosolenia praebergonii
Nitzschia jouseae
Thalassiosira convexa
Fragilariopsis miocenica
Nitzshia porteri
Thalassiosira yabei
Actinocyclus moronensis
Craspedodiscus coscinodiscus
Coscinodiscus gigas var. diorama
Araniscus lewisianus
Cestodiscus peplum
Crucidenticula nicobarica
Triceratium pileus
Coscinodiscus elegans
Rossiella fennerae
T Fragilariopsis reinholdii (1.04 Ma)
B Fragilariopsis doliolus (2.12 Ma)
B Rhizosolenia praebergonii (3.13 Ma)
B Nitzschia jouseae (4.93 Ma)
B Thalassiosira convexa var. aspinosa (6.91 Ma)
B Fragilariopsis miocenica (7.60 Ma)
B Alveus marina (8.29 Ma)
B Azpeitia vetustissimus var. javanica (9.68 Ma)
T Craspedodiscus coscinodiscus (11.21 Ma)
B Coscinodiscus temperei var. delicata (12.01 Ma)
B Coscinodiscus gigas var. diorama (12.86 Ma)
B Actinocyclus ellipticus var. spiralis (14.16 Ma)
B Cestodiscus peplum (16.15 Ma)
B Crucidenticula nicobarica (17.44 Ma)
B Triceratium pileus (18.92 Ma)
T Bogorovia veniamini (20.02 Ma)
C6C
C7n
C7r
C7A
C8n
C8r
C9n
C9r
C10n
C10r
C11n
C11r
C12n
C12r
C13n
C13r
C15
C16n
C16r
C17n
C17r
C18n
C18r
C19
C20n
C20r
C21n
Rocella gelida
Bogorovia veniamini
Rocella vigilans
Cestodiscus trochus
Coscinodiscus excavatus
Baxteriopsis brunii
Cestodiscus fennerae
Cestodiscus pulchellus var. nova-zelandica
Triceratium inconspicuum
Craspedodiscus oblongus - Brightwellia imperfecta
Hemiaulus gondolaformis
Hemiaulus alatus
Pyxilla caputavis
Triceratium kanayae
T Rocella gelida (23.45 Ma)
B Rocella gelida (25.14 Ma)
B Bogorovia veniamini (27.81 Ma)
B Rocella vigilans (29.66 Ma)
T Coscinodiscus excavatus (33.20 Ma)
B Coscinodiscus excavatus (33.8 Ma)
B Baxteriopsis brunii (35.2 Ma)
B Cestodiscus fennerae (36.6 Ma)
T Triceratium inconspicuum (38.9 Ma)
T Craspedodiscus oblongus (40.4 Ma)
B Brightwellia imperfecta (41.8 Ma)
B Hemiaulus gondolaformis (43.6 Ma)
B Hemiaulus alatus (44.4 Ma)
B Pyxilla caputavis (45.6 Ma)