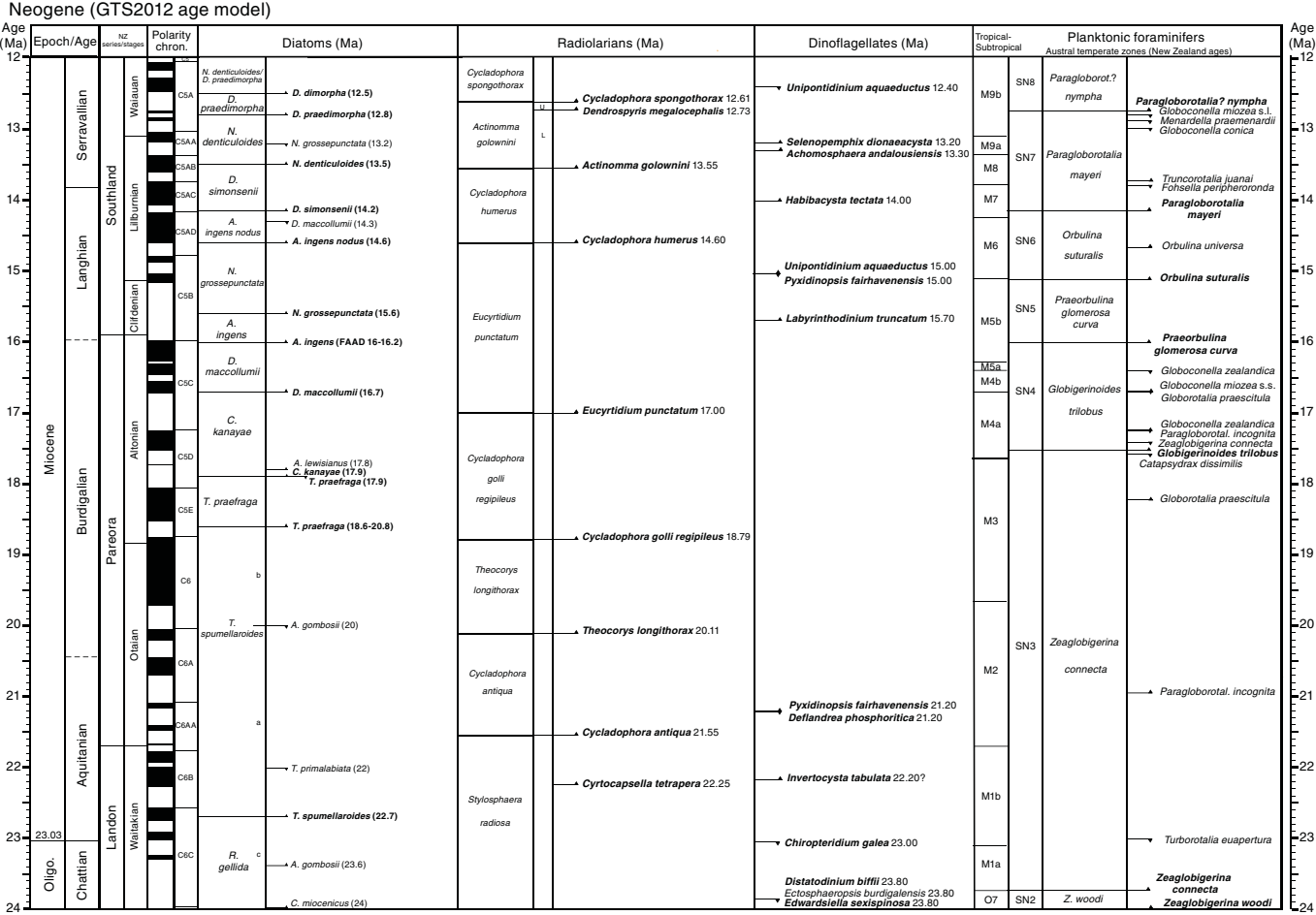
Neogene (GTS2012 age model)
Age (Ma)
Epoch/Age
NZ series/stages
Polarity chron.
Diatoms (Ma)
Radiolarians (Ma)
Dinoflagellates (Ma)
Tropical-Subtropical
Planktonic foraminifers
Austral temperate zones (New Zealand ages)
Miocene
Oligo.
Serravallian
Langhian
Burdigalian
Aquitanian
Chattian
23.03
Southland
Waiauan
Lillburnian
Clifdenian
Pareora
Altonian
Otaian
Landon
Waitakian
C5A
C5AA
C5AB
C5AC
C5AD
C5B
C5C
C5D
C5E
C6
C6A
C6AA
C6B
C6C
N. denticuloides/ D. praedimorpha
D. praedimorpha
N. denticuloides
D. simonsenii
A. ingens nodus
N. grossepunctata
A. ingens
D. maccollumii
C. kanayae
T. praefraga
T. spumellaroides
R. gellida
a
b
c
D. dimorpha (12.5)
D. praedimorpha (12.8)
N. grossepunctata (13.2)
N. denticuloides (13.5)
D. simonsenii (14.2)
D. maccollumii (14.3)
A. ingens nodus (14.6)
N. grossepunctata (15.6)
A. ingens (FAAD 16-16.2)
D. maccollumii (16.7)
A. lewisianus (17.8)
C. kanayae (17.9)
T. praefraga (17.9)
T. praefraga (18.6-20.8)
A. gombosii (20)
T. primalabiata (22)
T. spumellaroides (22.7)
A. gombosii (23.6)
C. miocenicus (24)
Cycladophora spongothorax
Actinomma golownini
Cycladophora humerus
Eucyrtidium punctatum
Cycladophora golli regipileus
Theocorys longithorax
Cycladophora antiqua
Stylosphaera radiosa
U
L
Cycladophora spongothorax 12.61
Dendrospyris megalocephalis 12.73
Actinomma golownini 13.55
Cycladophora humerus 14.60
Eucyrtidium punctatum 17.00
Cycladophora golli regipileus 18.79
Theocorys longithorax 20.11
Cycladophora antiqua 21.55
Cyrtocapsella tetrapera 22.25
Unipontidinium aquaeductus 12.40
Selenopemphix dionaeacysta 13.20
Achomosphaera andalousiensis 13.30
Habibacysta tectata 14.00
Unipontidinium aquaeductus 15.00
Pyxidinopsis fairhavenensis 15.00
Labyrinthodinium truncatum 15.70
Pyxidinopsis fairhavenensis 21.20
Deflandrea phosphoritica 21.20
Invertocysta tabulata 22.20?
Chiropteridium galea 23.00
Distatodinium biffii 23.80
Ectosphaeropsis burdigalensis 23.80
Edwardsiella sexispinosa 23.80
M9b
M9a
M8
M7
M6
M5b
M5a
M4b
M4a
M3
M2
M1b
M1a
O7
SN8
SN7
SN6
SN5
SN4
SN3
SN2
Paragloborot.? nympha
Paragloborotalia mayeri
Orbulina suturalis
Praeorbulina glomerosa curva
Globigerinoides trilobus
Zeaglobigerina connecta
Z. woodi
Paragloboratalia? nympha
Globoconella miozea s.l.
Menardella praemenardii
Globoconella conica
Truncorotalia juanai
Fohsella peripheroronda
Paragloborotalia mayeri
Orbulina universa
Orbulina suturalis
Praeorbulina glomerosa curva
Globoconella zealandica
Globoconella miozea s.s.
Globorotalia praescitula
Globoconella zealandica
Paragloborotal. incognita
Zeaglobigerina connecta
Globigerinoides trilobus
Catapsydrax dissimilis
Globorotalia praescitula
Paragloborotal. incognita
Turborotalia euapertura
Zeaglobigerina connecta
Zeaglobigerina woodi