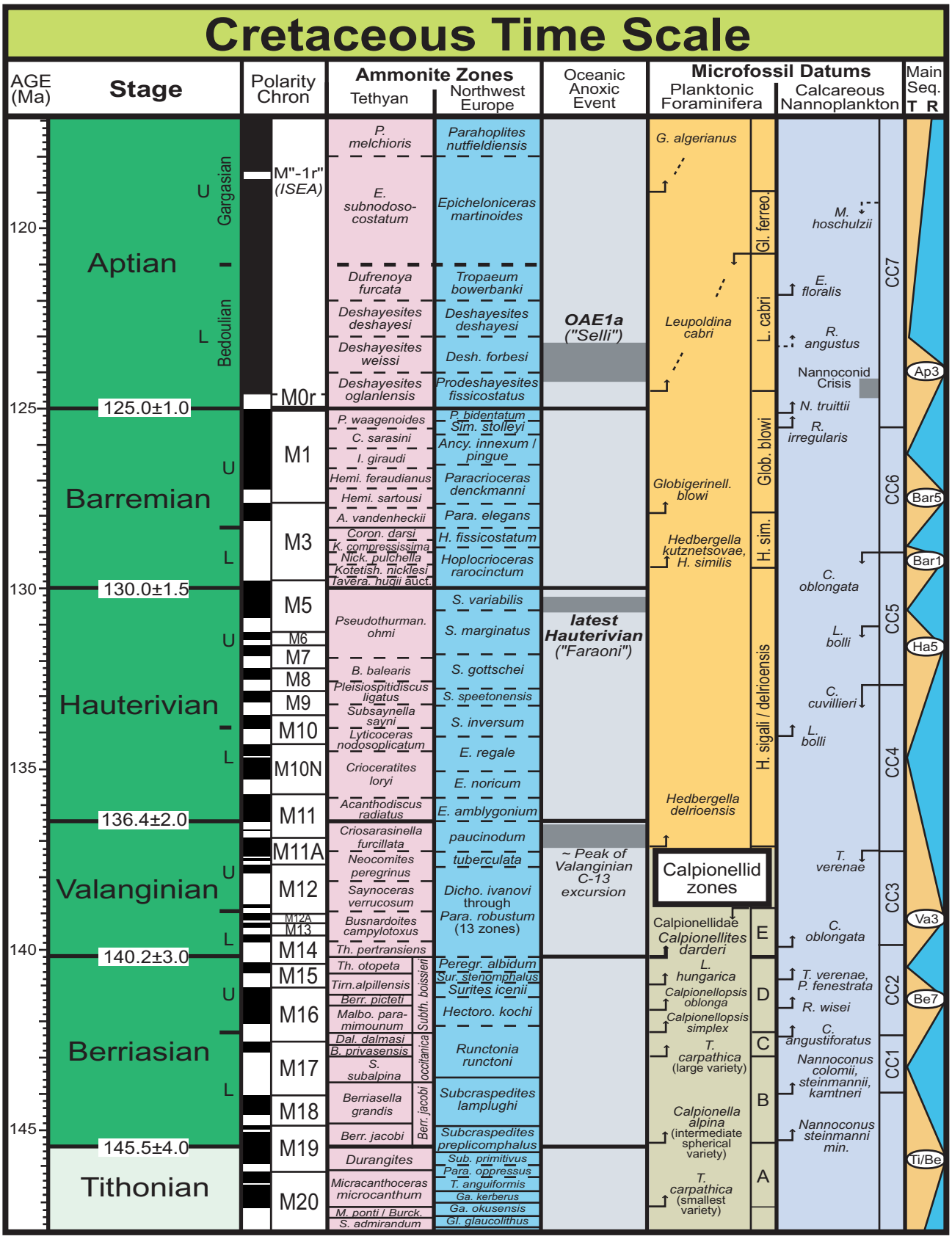
Cretaceous Time Scale
AGE (Ma)
Stage
Polarity Chron
Ammonite Zones
Tethyan
Northwest Europe
Oceanic Anoxic Event
Microfossil Datums
Planktonic Foraminifera
Calcareous Nannoplankton
Main Seq.
T R
Aptian
Barremian
Hauterivian
Valanginian
Berriasian
Tithonian
Gargasian
Bedoulian
125.0±1.0
130.0±1.5
136.4±2.0
140.2±3.0
145.5±4.0
M"-1r" (ISEA)
M0r
M1
M3
M5
M6
M7
M8
M9
M10
M10N
M11
M11A
M12
M12A
M13
M14
M15
M16
M17
M18
M19
M20
P. melchioris
E. subnodoso-costatum
Dufrenoya furcata
Deshayesites deshayesi
Deshayesites weissi
Deshayesites oglanlensis
P. waagenoides
C. sarasini
I. giraudi
Hemi. feraudianus
Hemi. sartousi
A. vandenheckii
Coron. darsi
K. compressissima
Nick. pulchella
Kotetish. nicklesi
Tavera. hugii auct.
Pseudothurman. ohmi
B. balearis
Pleisiospitidiscus ligatus
Subsaynella sayni
Lyticoceras nodosoplicatum
Crioceratites loryi
Acanthodiscus radiatus
Criosarasinella furcillata
Neocomites peregrinus
Saynoceras verrucosum
Busnardoites campylotoxus
Th. pertransiens
Th. otopeta
Tirn. alpillensis
Berr. picteti
Malbo. para-mimounum
Dal. dalmasi
B. privasensis
S. subalpina
Berriasella grandis
Berr. jacobi
Durangites
Micracanthoceras microcanthum
M. ponti / Burck.
S. admirandum
Subth. boissieri
Berr. occitanica
Berr. jacobi
Parahoplites nutfieldiensis
Epicheloniceras martinoides
Tropaeum bowerbanki
Deshayesites deshayesi
Desh. forbesi
Prodeshayesites fissicostatus
P. bidentatum
Sim. stolleyi
Ancy. innexum / pingue
Paracrioceras denckmanni
Para. elegans
H. fissicostatum
Hoplocrioceras rarocinctum
S. variabilis
S. marginatus
S. gottschei
S. speetonensis
S. inversum
E. regale
E. noricum
E. amblygonium
paucinodum
tuberculata
Dicho. ivanovi through Para. robustum (13 zones)
Peregr. albidum
Sur. stenomphalus
Surites icenii
Hectoro. kochi
Runctonia runctoni
Subcraspedites lamplughi
Subcraspedites preplicomphalus
Sub. primitivus
Para. oppressus
T. anguiformis
Ga. kerberus
Ga. okusensis
Gl. glaucolithus
OAE1a ("Selli")
latest Hauterivian ("Faraoni")
~ Peak of Valanginian C-13 excursion
G. algerianus
Leupoldina cabri
Globigerinell. blowi
Hedbergella kutznetsovae, H. similis
Hedbergella delrioensis
Gl. ferreo.
L. cabri
Glob. blowi
H. sim.
H. sigali / delrioensis
Calpionellid zones
Calpionellidae
Calpionellites darderi
L. hungarica
Calpionellopsis oblonga
Calpionellopsis simplex
T. carpathica (large variety)
Calpionella alpina (intermediate spherical variety)
T. carpathica (smallest variety)
E
D
C
B
A
M. hoschulzii
E. floralis
R. angustus
Nannoconid Crisis
N. truittii
R. irregularis
C. oblongata
L. bolli
C. cuvillieri
L. bolli
T. verenae
C. oblongata
T. verenae, P. fenestrata
R. wisei
C. angustiforatus
Nannoconus colomii, steinmannii, kamtneri
Nannoconus steinmanni min.
CC7
CC6
CC5
CC4
CC3
CC2
CC1
Ap3
Bar5
Bar1
Ha5
Va3
Be7
Ti/Be