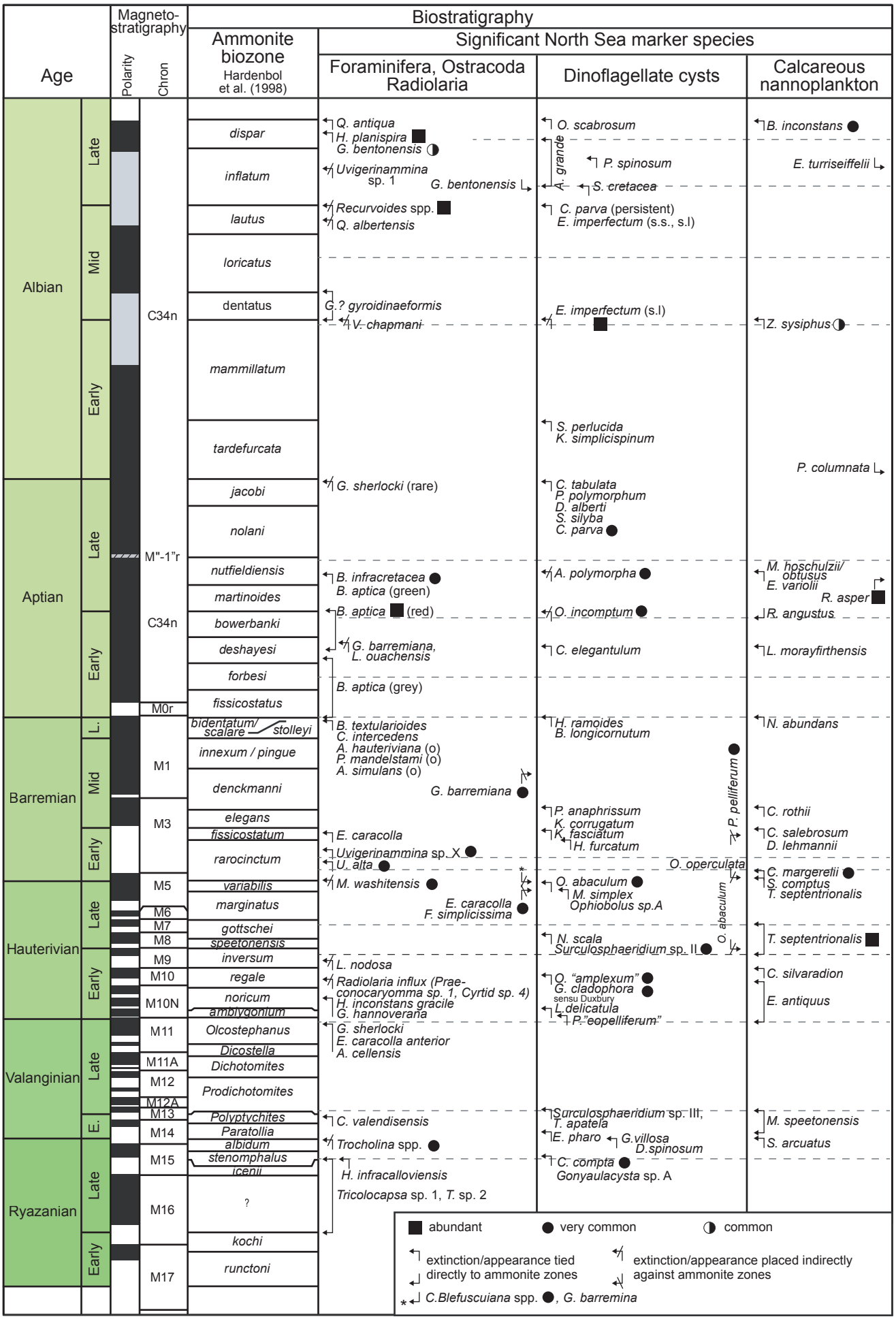
Age
Magneto-stratigraphy
Polarity
Chron
Biostratigraphy
Ammonite biozone
Hardenbol et al. (1998)
Significant North Sea marker species
Foraminifera, Ostracoda Radiolaria
Dinoflagellate cysts
Calcareous nannoplankton
Albian
Late
Mid
Early
Aptian
Late
Early
Barremian
L.
Mid
Early
Hauterivian
Late
Early
Valanginian
Late
E.
Ryazanian
Late
Early
C34n
M"-1"r
C34n
M0r
M1
M3
M5
M6
M7
M8
M9
M10
M10N
M11
M11A
M12
M12A
M13
M14
M15
M16
M17
dispar
inflatum
lautus
loricatus
dentatus
mammillatum
tardefurcata
jacobi
nolani
nutfieldiensis
martinoides
bowerbanki
deshayesi
forbesi
fissicostatus
bidentatum/ scalare
stolleyi
innexum / pingue
denckmanni
elegans
fissicostatum
rarocinctum
variabilis
marginatus
gottschei
speetonensis
inversum
regale
noricum
amblygonium
Olcostephanus
Dicostella
Dichotomites
Prodichotomites
Polyptychites
Paratollia
albidum
stenomphalus
icenii
?
kochi
runctoni
Q. antiqua
H. planispira
G. bentonensis
Uvigerinammina sp. 1
G. bentonensis
Recurvoides spp.
Q. albertensis
G.? gyroidinaeformis
V. chapmani
G. sherlocki (rare)
B. infracretacea
B. aptica (green)
B. aptica (red)
G. barremiana, L. ouachensis
B. aptica (grey)
B. textularioides
C. intercedens
A. hauteriviana (o)
P. mandelstami (o)
A. simulans (o)
G. barremiana
E. caracolla
Uvigerinammina sp. X
U. alta
M. washitensis
E. caracolla
F. simplicissima
L. nodosa
Radiolaria influx (Prae-conocaryomma sp. 1, Cyrtid sp. 4)
H. inconstans gracile
G. hannoverana
G. sherlocki
E. caracolla anterior
A. cellensis
C. valendisensis
Trocholina spp.
H. infracalloviensis
Tricolocapsa sp. 1, T. sp. 2
O. scabrosum
A. grande
P. spinosum
S. cretacea
C. parva (persistent)
E. imperfectum (s.s., s.l)
E. imperfectum (s.l)
S. perlucida
K. simplicispinum
C. tabulata
P. polymorphum
D. alberti
S. silyba
C. parva
A. polymorpha
O. incomptum
C. elegantulum
H. ramoides
B. longicornutum
P. pelliferum
P. anaphrissum
K. corrugatum
K. fasciatum
H. furcatum
O. operculata
O. abaculum
M. simplex
Ophiobolus sp.A
O. abaculum
N. scala
Surculosphaeridium sp. II
O. "amplexum"
G. cladophora
sensu Duxbury
L. delicatula
P."eopelliferum"
Surculosphaeridium sp. III;
T. apatela
E. pharo
G.villosa
D.spinosum
C. compta
Gonyaulacysta sp. A
B. inconstans
E. turriseiffelii
Z. sysiphus
P. columnata
M. hoschulzii/ obtusus
E. variolii
R. asper
R. angustus
L. morayfirthensis
N. abundans
C. rothii
C. salebrosum
D. lehmannii
C. margerelii
S. comptus
T. septentrionalis
T. septentrionalis
C. silvaradion
E. antiquus
M. speetonensis
S. arcuatus
abundant
very common
common
extinction/appearance tied directly to ammonite zones
extinction/appearance placed indirectly against ammonite zones
* C.Blefuscuiana spp., G. barremina