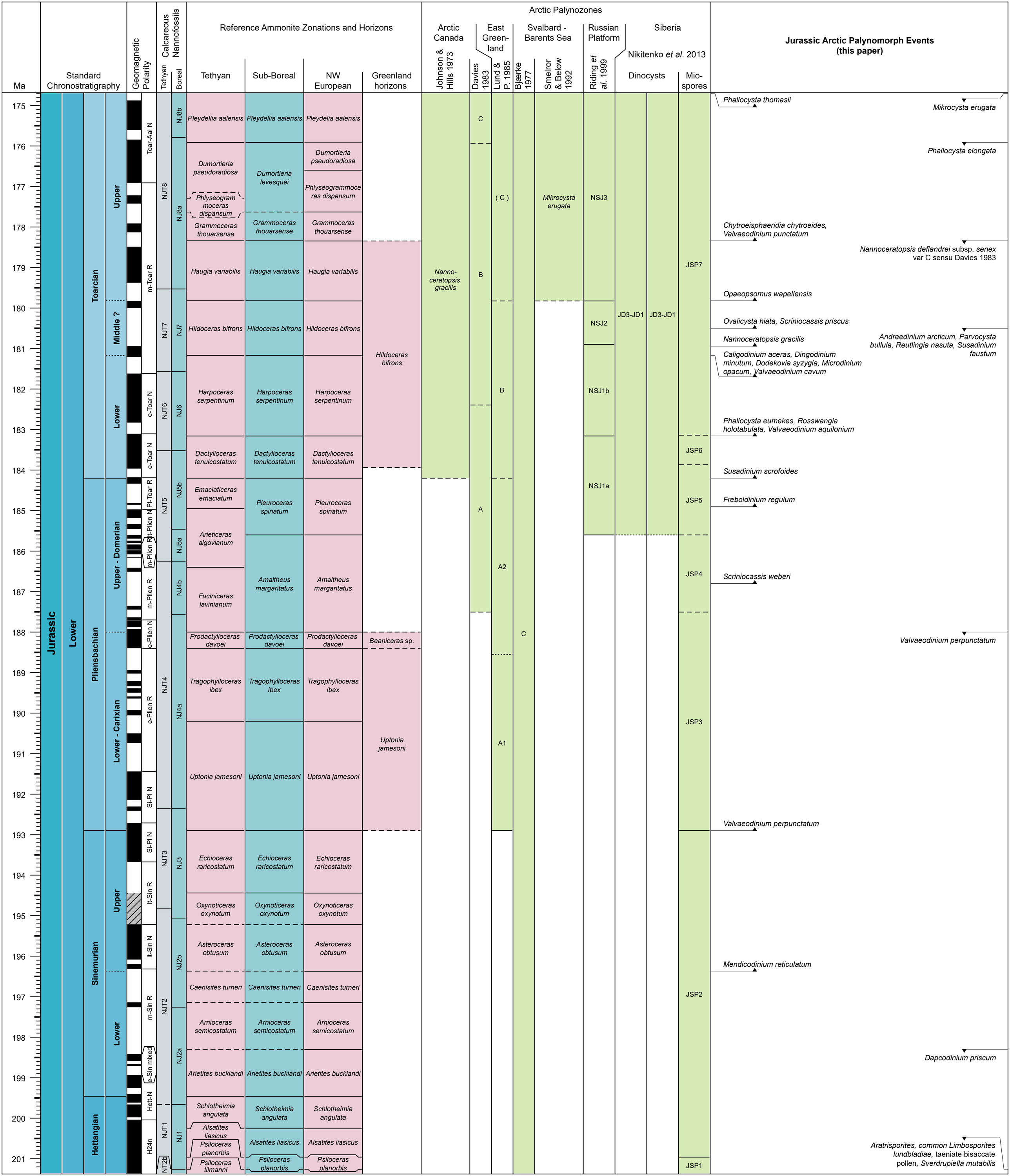
Ma
Standard Chronostratigraphy
Geomagnetic Polarity
Calcareous Nannofossils
Tethyan
Boreal
Reference Ammonite Zonations and Horizons
Tethyan
Sub-Boreal
NW European
Greenland horizons
Arctic Palynozones
Arctic Canada
Johnson & Hills 1973
East Green-land
Davies 1983
Lund & P. 1985
Svalbard - Barents Sea
Bjærke 1977
Smelror & Below 1992
Russian Platform
Riding et al. 1999
Siberia
Nikitenko et al. 2013
Dinocysts
Mio-spores
Jurassic Palynomorph Events (this paper)
Jurassic
Lower
Toarcian
Pliensbachian
Sinemurian
Hettangian
Upper
Middle ?
Lower
Upper - Domerian
Lower - Carixian
Upper
Lower
Toar-Aal N
m-Toar R
e-Toar N
e-Toar N
Pl-Toar R
lt-Plien N
m-Plien R
m-Plien R
e-Plien N
e-Plien R
Si-Pl N
Si-Pl N
lt-Sin R
lt-Sin N
m-Sin R
e-Sin mixed
Hett-N
H24n
NJT8
NJT7
NJT6
NJT5
NJT4
NJT3
NJT2
NJT1
NT2b
NJ8b
NJ8a
NJ7
NJ6
NJ5b
NJ5a
NJ4b
NJ4a
NJ3
NJ2b
NJ2a
NJ1
Pleydellia aalensis
Dumortieria pseudoradiosa
Phlyseogram moceras dispansum
Grammoceras thouarsense
Haugia variabilis
Hildoceras bifrons
Harpoceras serpentinum
Dactylioceras tenuicostatum
Emaciaticeras emaciatum
Arieticeras algovianum
Fuciniceras lavinianum
Prodactylioceras davoei
Tragophylloceras ibex
Uptonia jamesoni
Echioceras raricostatum
Oxynoticeras oxynotum
Asteroceras obtusum
Caenisites turneri
Arnioceras semicostatum
Arietites bucklandi
Schlotheimia angulata
Alsatites liasicus
Psiloceras planorbis
Psiloceras tilmanni
Dumortieria levesquei
Phlyseogrammoceras dispansum
Grammoceras thouarsense
Haugia variabilis
Hildoceras bifrons
Harpoceras serpentinum
Dactylioceras tenuicostatum
Pleuroceras spinatum
Amaltheus margaritatus
Prodactylioceras davoei
Tragophylloceras ibex
Uptonia jamesoni
Echioceras raricostatum
Oxynoticeras oxynotum
Asteroceras obtusum
Caenisites turneri
Arnioceras semicostatum
Arietites bucklandi
Schlotheimia angulata
Alsatites liasicus
Psiloceras planorbis
Beaniceras sp.
Nanno-ceratopsis gracilis
C
B
A
(C)
B
A2
A1
NSJ3
NSJ2
NSJ1b
NSJ1a
Mikrocysta erugata
JD3-JD1
JD3-JD1
C
JSP7
JSP6
JSP5
JSP4
JSP3
JSP2
JSP1
Phallocysta thomasii
Mikrocysta erugata
Phallocysta elongata
Chytroeisphaeridia chytroeides, Valvaeodinium punctatum
Nannoceratopsis deflandrei subsp. senex var C sensu Davies 1983
Opaeopsomus wapellensis
Ovalicysta hiata, Scriniocassis priscus
Nannoceratopsis gracilis
Andreedinium arcticum, Parvocysta bullula, Reutlingia nasuta, Susadinium faustum
Caligodinium aceras, Dingodinium minutum, Dodekovia syzygia, Microdinium opacum, Valvaeodinium cavum
Phallocysta eumekes, Rosswangia holotabulata, Valvaeodinium aquilonium
Susadinium scrofoides
Freboldinium regulum
Scriniocassis weberi
Valvaeodinium perpunctatum
Valvaeodinium perpunctatum
Mendicodinium reticulatum
Dapcodinium priscum
Aratrisporites, common Limbosporites lundbladiae, taeniate bisaccate pollen, Sverdrupiella mutabilis
175
176
177
178
179
180
181
182
183
184
185
186
187
188
189
190
191
192
193
194
195
196
197
198
199
200
201