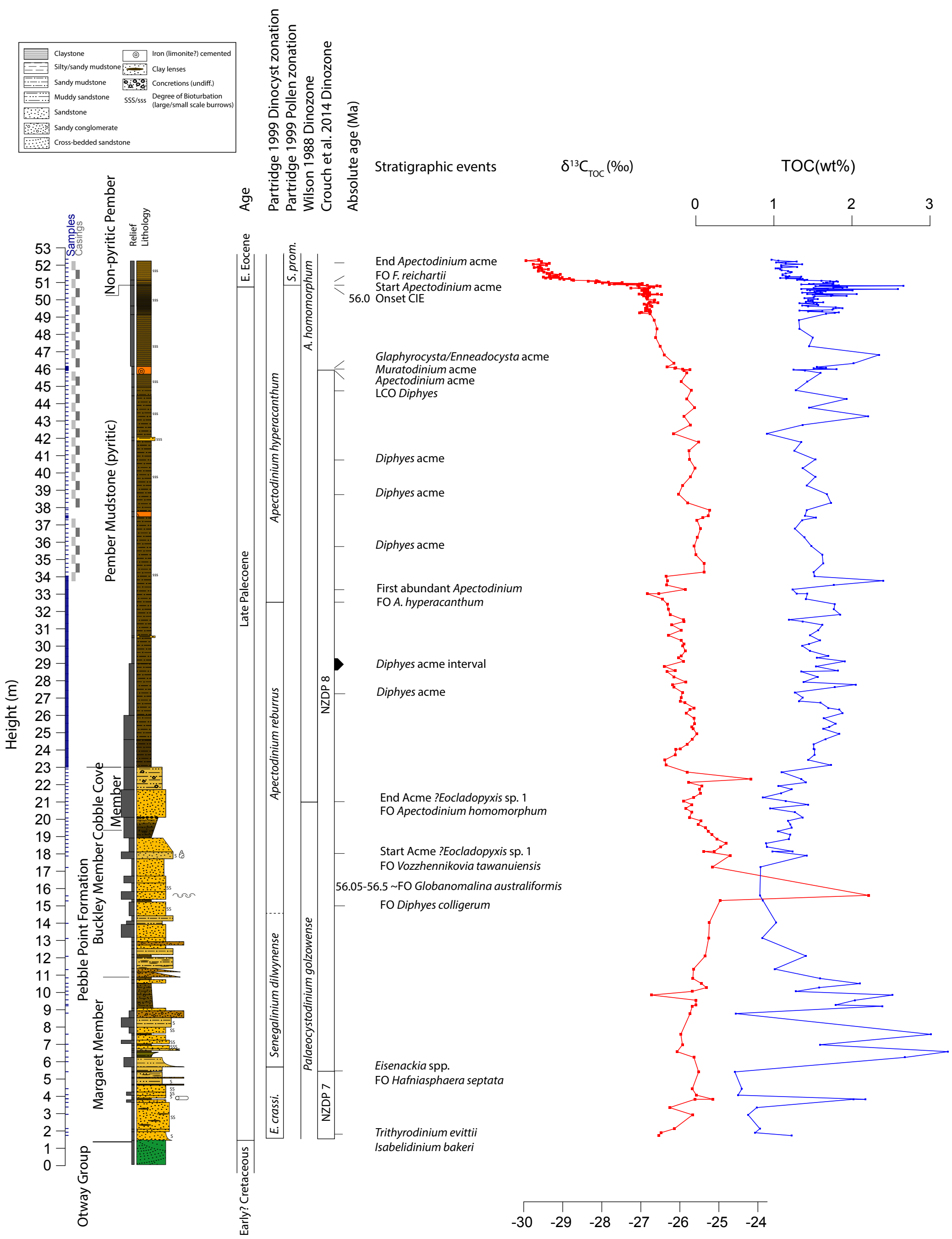
Claystone
Silty/sandy mudstone
Sandy mudstone
Muddy sandstone
Sandstone
Sandy conglomerate
Cross-bedded sandstone
Iron (limonite?) cemented
Clay lenses
Concretions (undiff.)
SSS/sss
Degree of Bioturbation (large/small scale burrows)
Samples
Casings
Relief
Lithology
Height (m)
Non-pyritic Pember
Pember Mudstone (pyritic)
Cobble Cove Member
Buckley Member
Pebble Point Formation
Margaret Member
Otway Group
Age
E. Eocene
Late Palecoene
Early? Cretaceous
Partridge 1999 Dinocyst zonation
Partridge 1999 Pollen zonation
Wilson 1988 Dinozone
Crouch et al. 2014 Dinozone
Absolute age (Ma)
S. prom.
A. homomorphum
Apectodinium hyperacanthum
Apectodinium reburrus
Senegalinium dilwynense
E. crassi.
Palaeocystodinium golzowense
NZDP 8
NZDP 7
Stratigraphic events
End Apectodinium acme
FO F. reichartii
Start Apectodinium acme
56.0 Onset CIE
Glaphyrocysta/Enneadocysta acme
Muratodinium acme
Apectodinium acme
LCO Diphyes
Diphyes acme
Diphyes acme
Diphyes acme
First abundant Apectodinium
FO A. hyperacanthum
Diphyes acme interval
Diphyes acme
End Acme ?Eocladopyxis sp. 1
FO Apectodinium homomorphum
Start Acme ?Eocladopyxis sp. 1
FO Vozzhennikovia tawanuiensis
56.05-56.5 ~FO Globanomalina australiformis
FO Diphyes colligerum
Eisenackia spp.
FO Hafniasphaera septata
Trithyrodinium evittii
Isabelidinium bakeri
δ13C_TOC (‰)
-30 -29 -28 -27 -26 -25 -24
TOC(wt%)
0 1 2 3