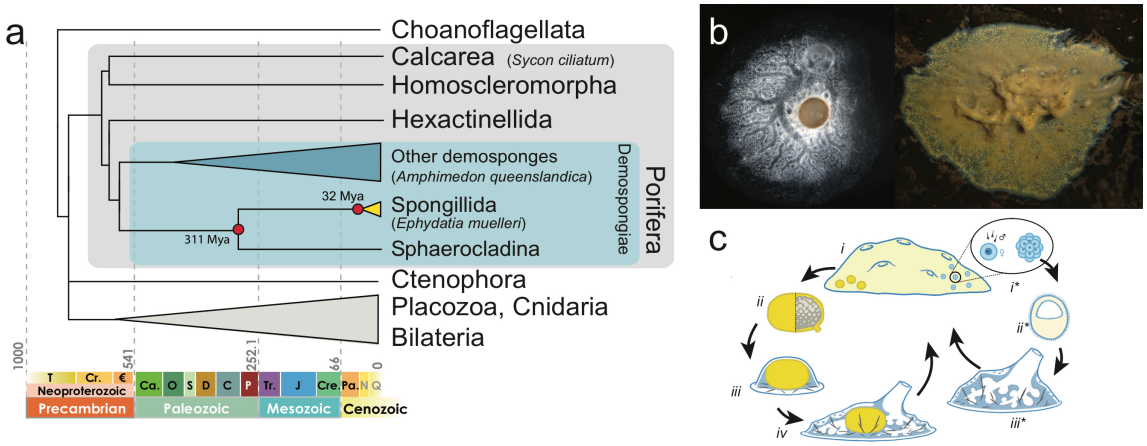
a
Choanoflagellata
Calcarea (Sycon ciliatum)
Homoscleromorpha
Hexactinellida
Other demosponges
(Amphimedon queenslandica)
32 Mya
Spongillida
(Ephydatia muelleri)
311 Mya
Sphaerocladina
Demospongiae
Porifera
Ctenophora
Placozoa, Cnidaria
Bilateria
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Neoproterozoic
Precambrian
Paleozoic
Mesozoic
Cenozoic
b
c
i
i*
ii
ii*
iii
iii*
iv