1. INTRODUCTION
Atoposaurids comprise a clade of small-bodied terrestrial and semi-aquatic crocodyliforms. They were an important component of Late Jurassic and Early Cretaceous European ecosystems, with less common occurrences extending their known stratigraphic range from the Middle Jurassic to the end Cretaceous (Fig. 1). Despite a range of recent discoveries, there is currently little taxonomic consensus for atoposaurid inter-relations. Most of these genera are multispecific, with *Theriosuchus* having five currently accepted species spanning some 80 million years. Several additional putative atoposaurid taxa, if valid, would extend their range into the Late Jurassic of Asia, and the Early Cretaceous of North America and Africa.

2. LATE JURASSIC EUROPEAN DIVERSITY
Taxonomic revision of western European atoposaurids leads us to recognise the existence of three closely related and sympatric genera in the Late Jurassic French and German basins, including the newly re-ranked species *Alligatorellus bavaricus* ([1] Fig. 2). This provides evidence for allopatric speciation, possibly driven by fluctuating highstand sea levels (Fig. 3). A principal components analysis of key morphometric characteristics, combined with unique anatomical features and primary indicators of ontogenetic age, shows that these genera cannot be conclusively demonstrated to be part of the same growth series, as previously suggested (Fig. 4).

3. PHYLLOGENETIC ANALYSIS
A new matrix was built comprising 7 outgroup and 13 ingroup taxa, and 352 characters. This dataset was analysed in TNT v. 1.1, resulting in 3 MPTs with a length of 654 steps. The strict consensus tree was timescaled in the R package *strapp* using the ‘equal’ method (Fig. 5).

4. RESULTS
All *Theriosuchus* species form a clade including *Wannchampsus*, recently named as a paralligatorid [2]. This suggests that either *Wannchampsus* should be referred to *Theriosuchus*, or there is greater diversity within this clade. Irrespective, this provides evidence for an Early Cretaceous atoposaurid radiation into both North America and Asia. Both *Alligatorellus* and *Atoposaurus* species group together, strengthening our arguments for their validity as separate genera.

5. CONCLUSIONS AND FUTURE RESEARCH
These results confirm the monophyly of Atoposauridae, and suggest that a taxonomic revision of *Theriosuchus* is required. Future research will require comparison with other small neosuchians, including bernissartids, and incorporation of other putative atoposaurids such as *Brillanceausuchus* and *Karatausuchus*. Inclusion of these taxa should help to confirm the position of Atoposauridae within Neosuchia and stabilise the within-group relationships.