Appendix 1: Nexus file text used in GM analyses

#NEXUS

BEGIN TAXA;

TAXLABELS Euthynotus Sauropsis Pseudoasthenocormus Pachycormus Saurostomus Ohmdenia Haasichthys Bonnerichthys undescribedTuronian Martillichthys Asthenocormus undescribedKimmeridgian Leedsichthys Hypsocormus Orthocormus Australopachycormus Protosphyraena;

END;

BEGIN TREES;

TREE tree1 = (Euthynotus,(Sauropsis,(Pseudoasthenocormus,(Pachycormus,(Saurostomus,(Ohmdenia,(Haasichthys,(Bonnerichthys,(undescribedTuronian,(Martillichthys,(Asthenocormus,undescribedKimmeridgian),Leedsichthys)))))))(Hypsocormus,(Orthocormus,(Australopachycormus,Protosphyraena)))));

END;