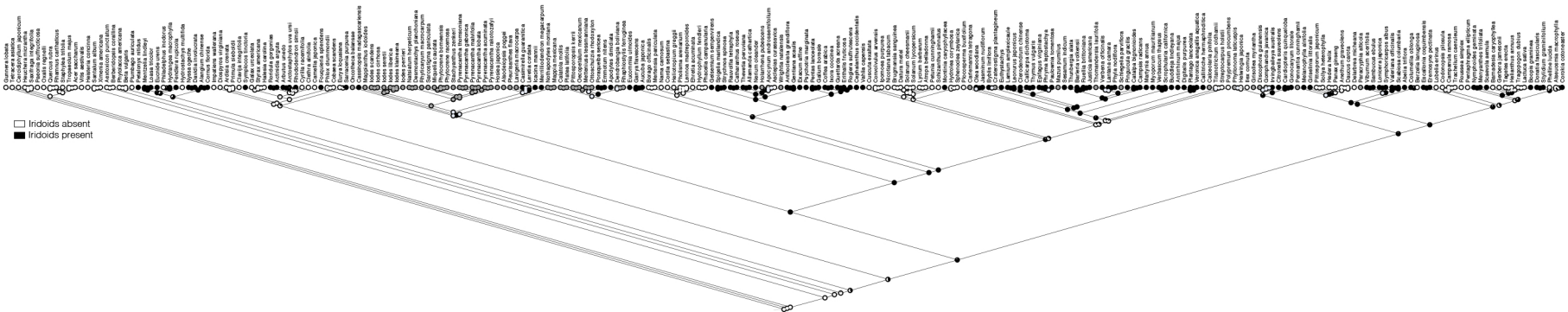Appendix S19. Ancestral state reconstruction of iridoid production across *Asteridae*, implemented in Mesquite using maximum likelihood.