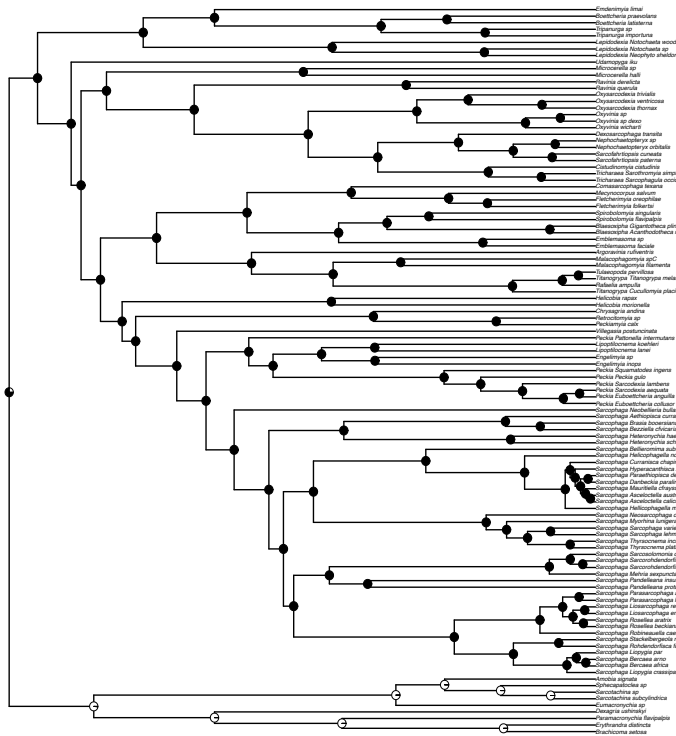
Additional file 9. Evolution of the configuration of the phallotrema in Sarcophagidae. Ancestral character state reconstruction for configuration of the phallotrema using maximum likelihood and the *rayDISC* function in the R package *corHMM*. Only reconstruction of the best fitting model (ER) is shown. Pie proportions represent state probabilities estimated for each internal node. Character states are indicated in insets at the bottom.



Phallotrema configuration

○ not folded, forming one opening

● folded, forming three openings