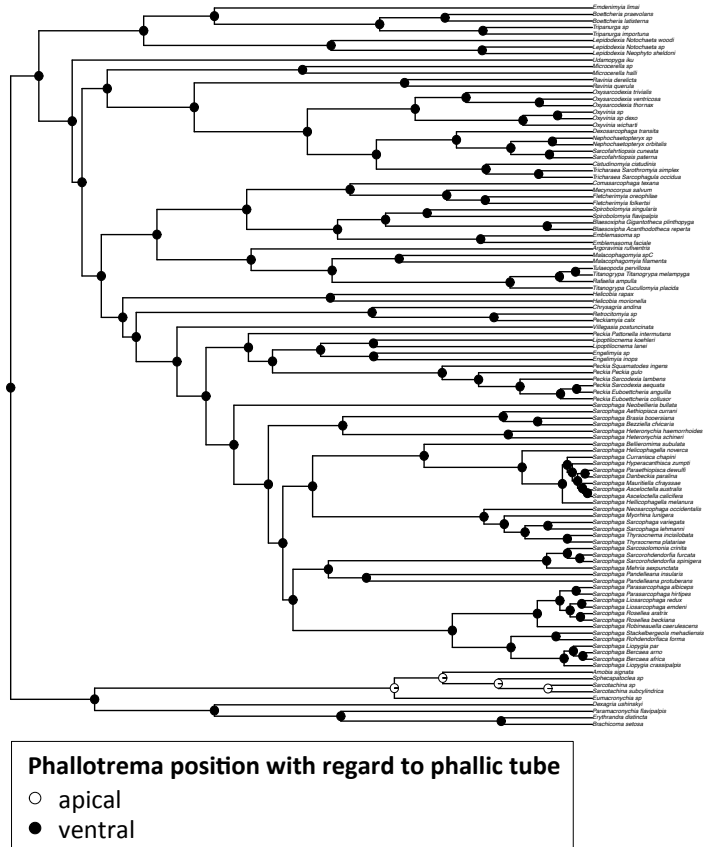Additional file 10. Evolution of the phallotrema position with regard to phallic tube in Sarcophagidae. Ancestral character state reconstruction for phallotrema position with regard to phallic tube using maximum likelihood and the *rayDISC* function in the R package *corHMM*. Only reconstruction of the 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.