



**Fig. 1.** Time-calibrated phylogenetic tree of Cetartiodactyla derived from BEAST. Horizontal gray bars represent the 95% highest posterior density of each node. Calibrations points (from 1 to 21) are arranged on nodes or along branches to indicate crown and stem fossils, respectively (See Table S1 in Appendix B). Filled circles in red represent nodes with posterior probabilities (PP) < 0.60; oranges circles denote nodes with PP values between 0.61 and 0.80; nodes with green circles have PP = 0.81–0.90 and all nodes without any circles have high support (PP > 0.91). In the scale of the geological era: H = Holocene, P = Pleistocene, PLIO = Pliocene. Images were drawn by Guilherme Oliveira.