

Fig. 3 New timescale for beetle evolution and comparison of divergence times. a Time-calibrated tree of beetles. The time tree was collapsed to family level with outgroups removed (for detailed results, see Supplementary Fig. 8). Divergence times were estimated with MCMCTREE with 20 calibration points, on the basis of the amino acid data set. Fossil constraints within Coleoptera are shown with black triangles. Horizontal bars represent 95% credibility intervals. b Comparison of divergence time estimates for twelve major nodes sharing across four beetle time trees. The circle represents the mean age, and the whiskers mark the 95% credibility internals (Photo credits: Hong Pang, Yun Li, and Zhenhua Liu)