



Supplemental Figure S3. Distributions of Acceleration Rates: (A-C) PhyloP estimates for acceleration rate distribution in vocal learners (Oscines A, Parrots B, Hummingbirds C) plotted against the background species vocal non-learner rates, relative to the neutral model estimated from 4-fold degenerate sites by PhyloFit. These can be taken as the average rate for molecular evolution across the group in question at the site. For reference we show a 1:1 line in each figure that would be consistent with the absence of a rate change in the vocal learning lineage.