

**Figure S9**. Correlation between the number of transversion substitutions at 4-fold redundant sites  $(TV_{4X})$  in all mitochondrial proteins versus  $dS_{TV4X}$  COI. Each point represents a branch of the tree. Best-fit line: y = 0.3412X,  $r^2 = 0.9288$ , p < 0.001.