

**Figure S10.** Estimated amino acid replacements (proportion of replacements per sequence) versus transversion substitutions at  $1^{\text{st}}$  and  $2^{\text{nd}}$  codon positions ( $dN_{\text{TV12}}$ ). Values are given per site for all mitochondrial protein-coding genes. The number of amino acid replacements were estimated using PAML (see Methods). Best-fit line: y = 8.1932x,  $r^2 = 0.9456$ , p < 0.001.