



Figure S1 Unfolded site-frequency spectra of synonymous (A) and nonsynonymous (B) polymorphisms in the *D. melanogaster* mtDNA, using *D. simulans* as a close outgroup and *D. yakuba* as a distant outgroup to polarize mutations. 37% of derived synonymous polymorphisms were present at frequencies greater than 0.92, while only a single derived nonsynonymous polymorphism was at high frequency. Distributions contain 46 (A) and 26 (B) segregating sites.