



**Figure S2** Contrasts of polymorphism and divergence summary statistics between mitochondrial genes and nuclear genes in our data set that are annotated to have OXPHOS function.  $P$ -values are from Mann-Whitney  $U$  tests. Dashed lines represent the neutral expectation for each statistic and the number of genes in each set ( $n$ ) is provided. Mitochondrial  $NI$  and  $Z^*$  are calculated from the “more inclusive” method using *D. yakuba* (A, B) and chimpanzee (C,D) as outgroups.