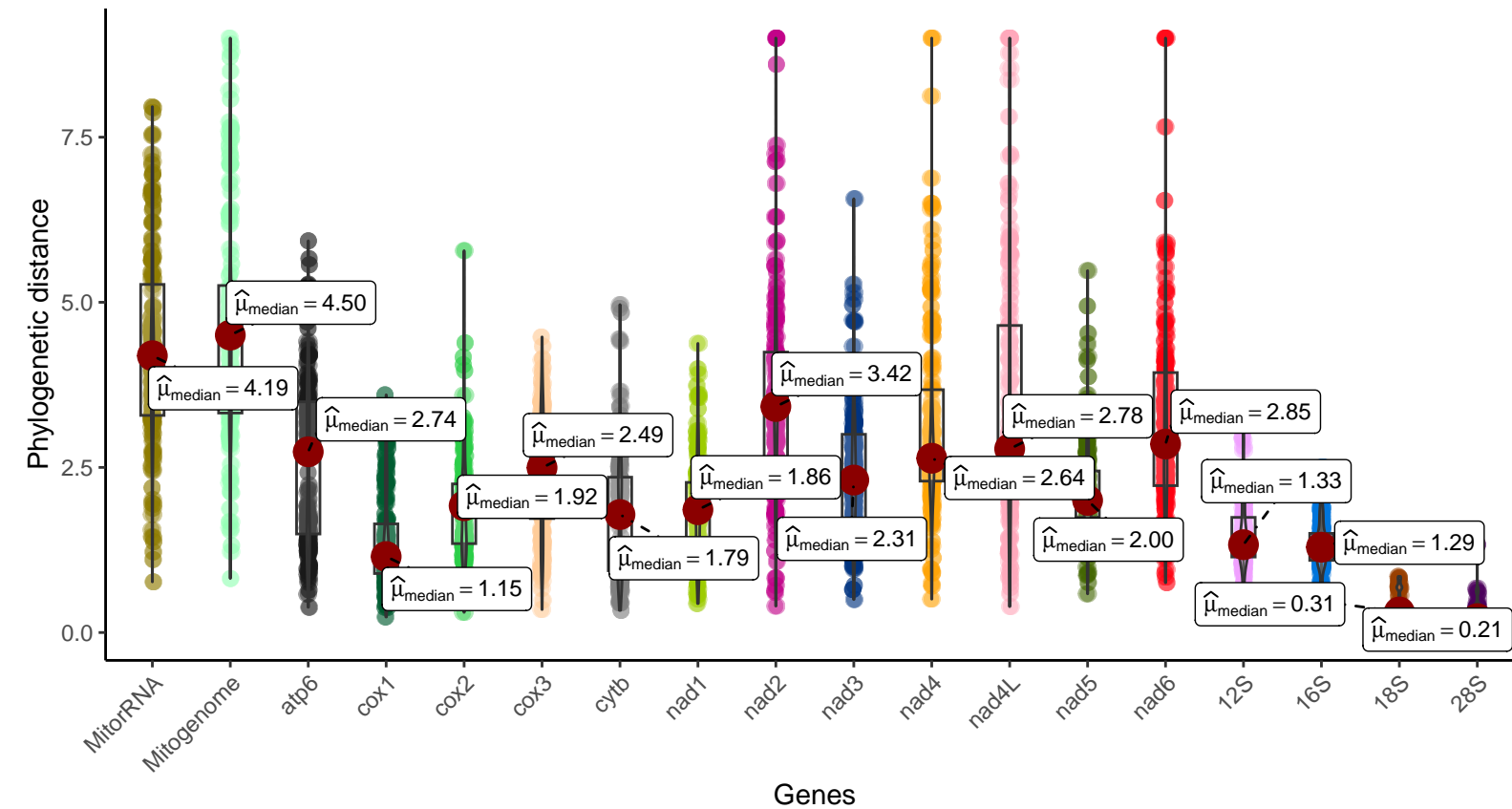


Nucleotides

$\chi^2_{\text{Kruskal-Wallis}}(17) = 3203.67, p = 0.00, \hat{\epsilon}^2_{\text{ordinal}} = 0.59, \text{CI}_{95\%} [0.58, 1.00], n_{\text{obs}} = 5,474$



Amino acids

$\chi^2_{\text{Kruskal-Wallis}}(12) = 1003.93, p = 2.68\text{e-}207, \hat{\epsilon}^2_{\text{ordinal}} = 0.25, \text{CI}_{95\%} [0.23, 1.00], n_{\text{obs}} = 3,978$

