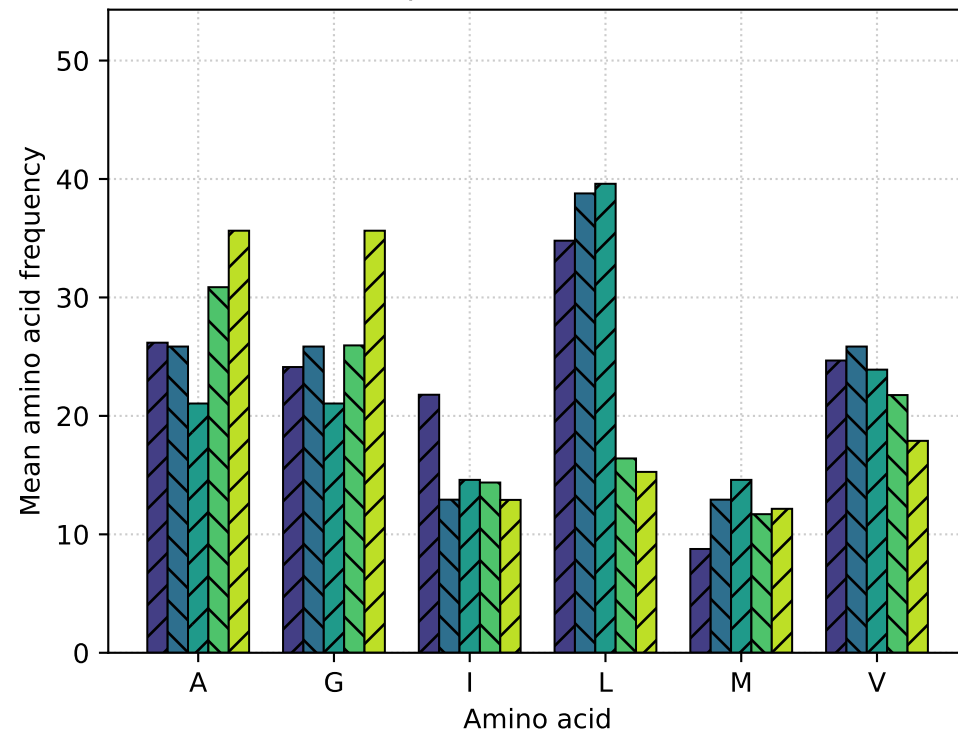


# Viruses - Correlation of amino acid frequency for genetic code: Trematode mitochondrial

## Aliphatic amino acids

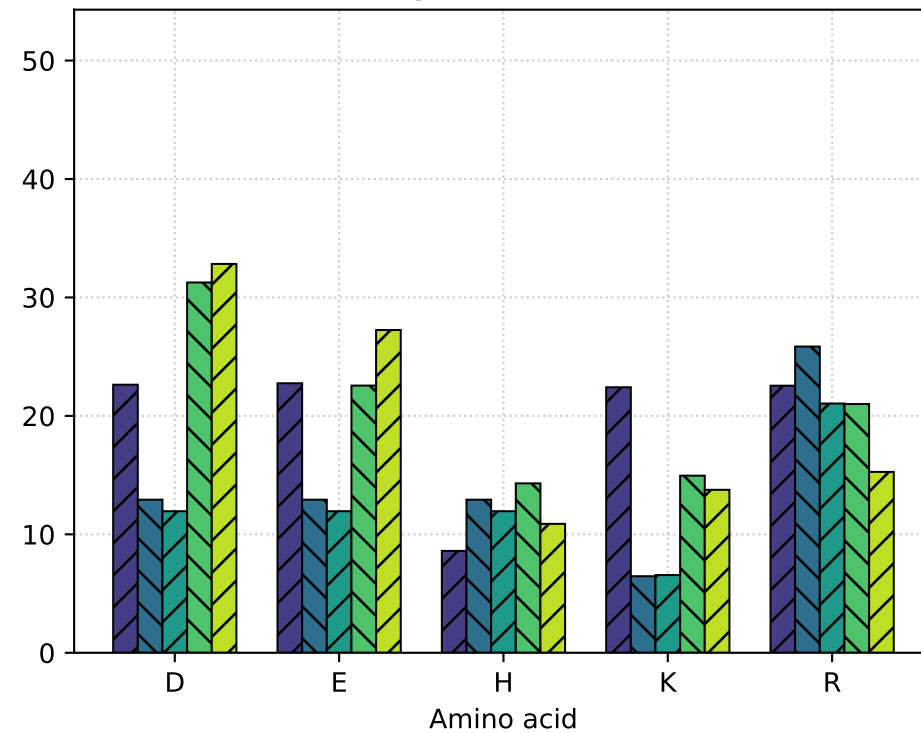


Observed  
Codon  
Codon+GC  
Cost (Akashi)  
Cost (Kaleta)

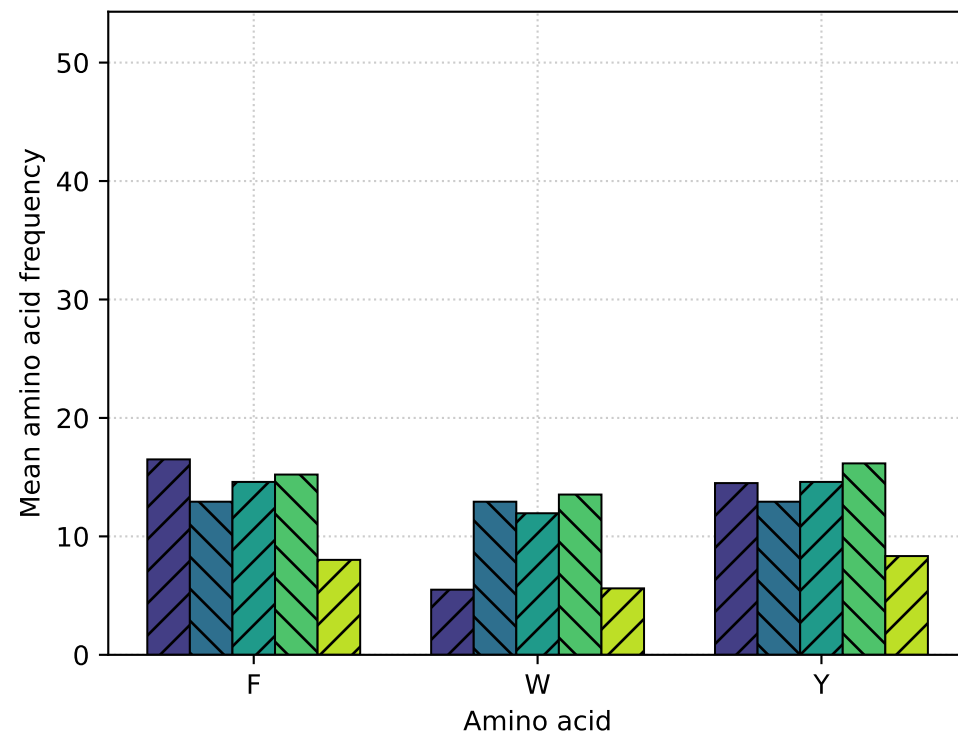
Codon correlation:  
-  $p_{cc}$ : 0.58;  $p_{pcc}$ : 7.1e-03  
-  $r_2$ : 0.57;  $p_{r_2}$ : 8.3e-03

Codon + GC correlation:  
-  $p_{cc}$ : 0.60;  $p_{pcc}$ : 4.9e-03  
-  $r_2$ : 0.54;  $p_{r_2}$ : 1.5e-02

## Charged amino acids



## Aromatic amino acids



Cost(Akashi) correlation:  
-  $p_{cc}$ : 0.46;  $p_{pcc}$ : 4.1e-02  
-  $r_2$ : 0.55;  $p_{r_2}$ : 1.2e-02

Cost(Kaleta) correlation:  
-  $p_{cc}$ : 0.45;  $p_{pcc}$ : 4.8e-02  
-  $r_2$ : 0.50;  $p_{r_2}$ : 2.4e-02

## Uncharged amino acids

