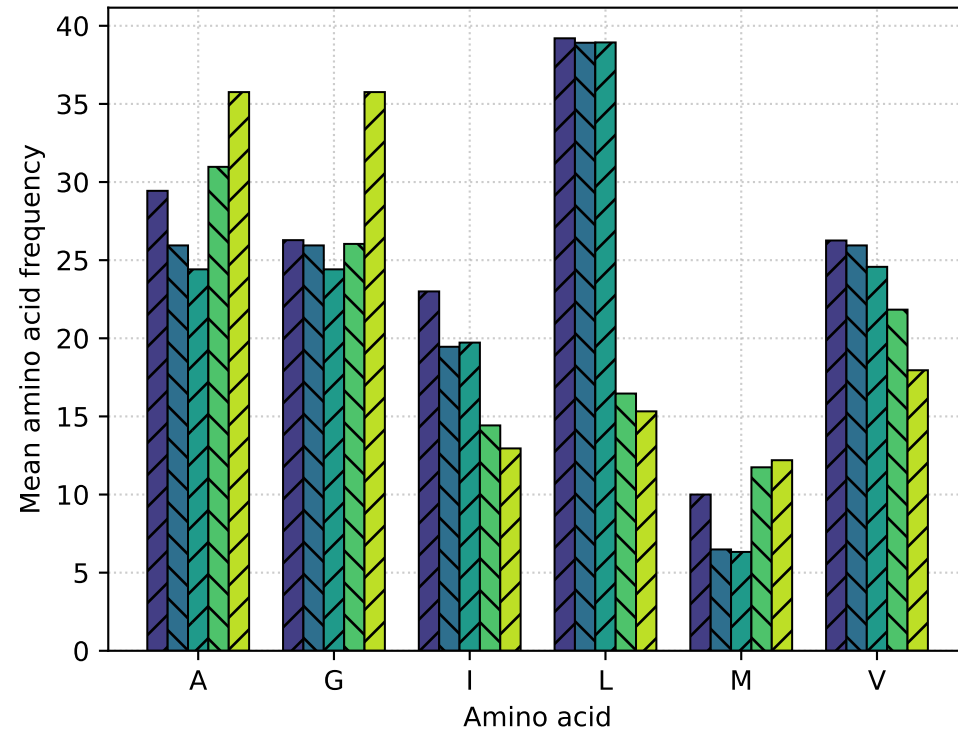


# Eukaryota - Correlation of amino acid frequency for genetic code: Blepharisma macronuclear

## Aliphatic amino acids

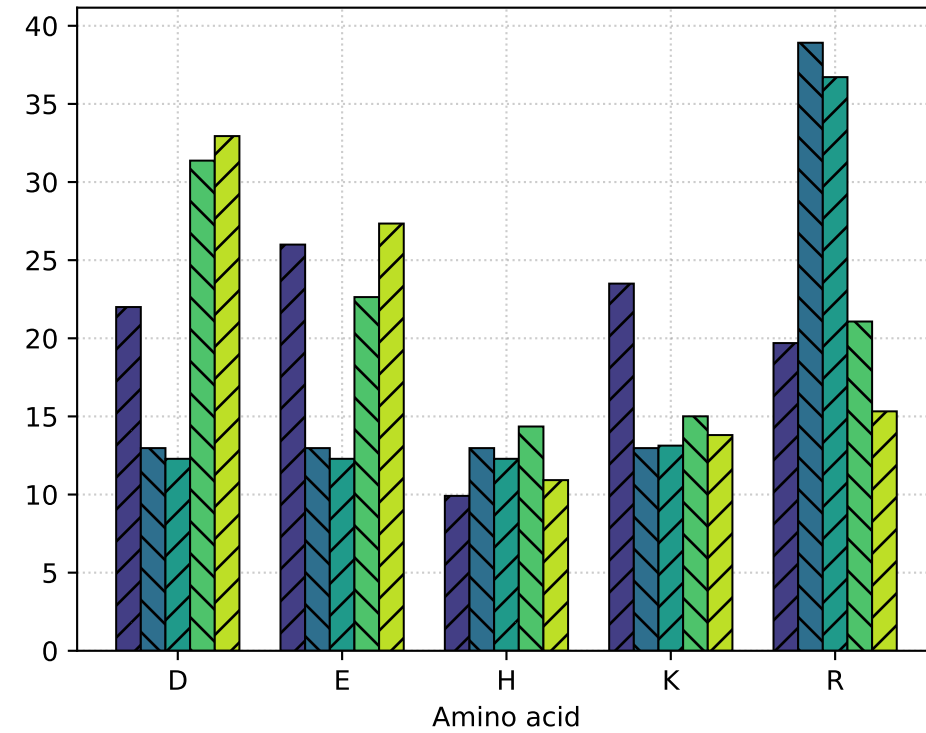


Observed  
Codon  
Codon+GC  
Cost (Akashi)  
Cost (Kaleta)

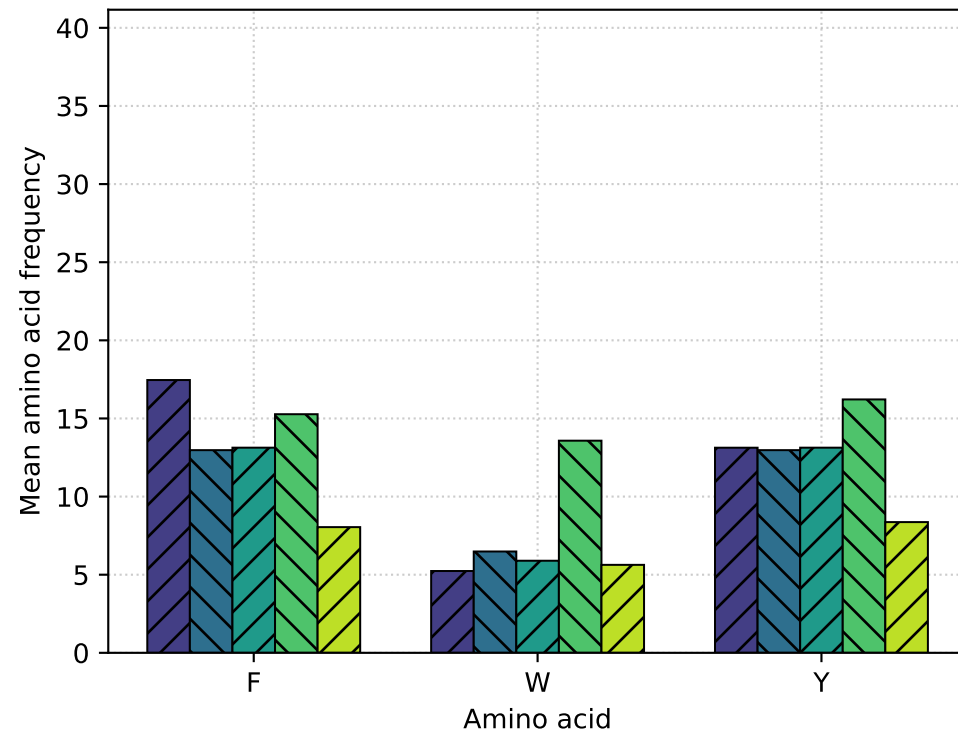
Codon correlation:  
-  $p_{cc}$ : 0.69;  $p_{pcc}$ : 8.5e-04  
-  $r_2$ : 0.68;  $p_{r_2}$ : 8.7e-04

Codon + GC correlation:  
-  $p_{cc}$ : 0.70;  $p_{pcc}$ : 5.2e-04  
-  $r_2$ : 0.68;  $p_{r_2}$ : 1.1e-03

## Charged amino acids



## Aromatic amino acids



Cost(Akashi) correlation:  
-  $p_{cc}$ : 0.50;  $p_{pcc}$ : 2.4e-02  
-  $r_2$ : 0.61;  $p_{r_2}$ : 4.4e-03

Cost(Kaleta) correlation:  
-  $p_{cc}$ : 0.50;  $p_{pcc}$ : 2.5e-02  
-  $r_2$ : 0.56;  $p_{r_2}$ : 9.8e-03

## Uncharged amino acids

