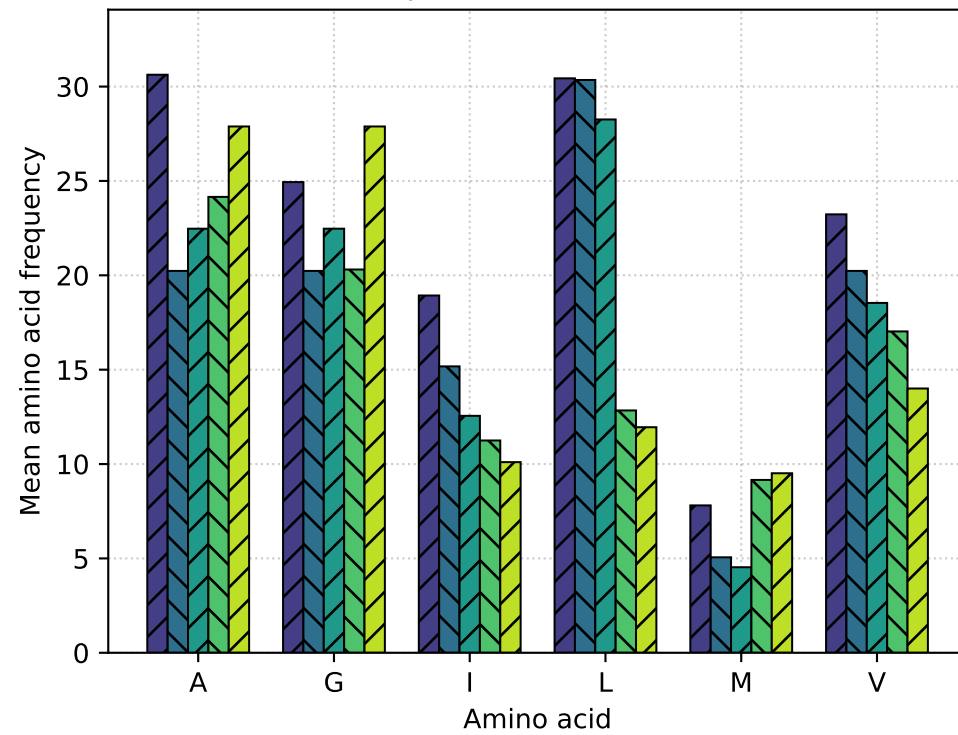


# Bacteria - Correlation of amino acid frequency for genetic code: Blepharisma macronuclear

## Aliphatic amino acids

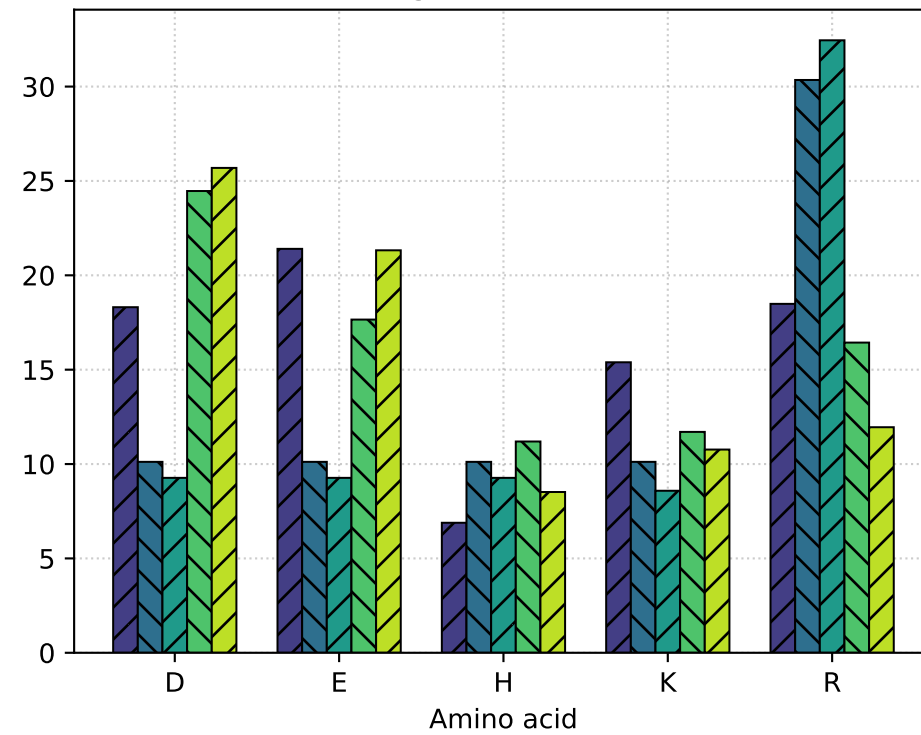


Observed  
Codon  
Codon+GC  
Cost (Akashi)  
Cost (Kaleta)

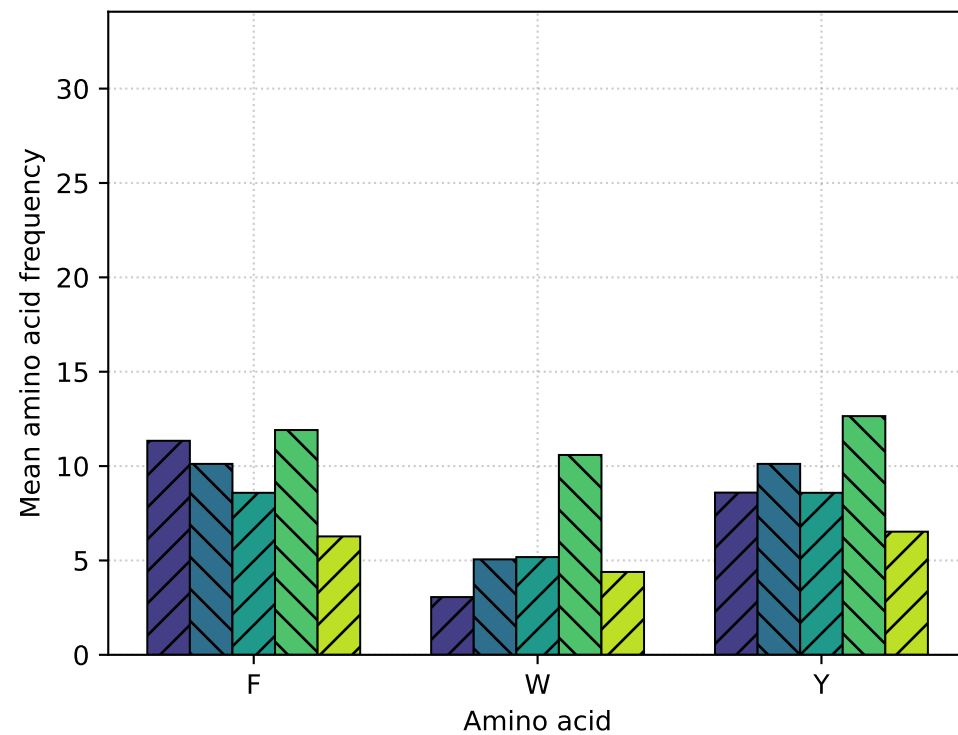
Codon correlation:  
-  $p_{cc}$ : 0.61;  $p_{pcc}$ : 3.9e-03  
-  $r_2$ : 0.66;  $p_{r_2}$ : 1.6e-03

Codon + GC correlation:  
-  $p_{cc}$ : 0.65;  $p_{pcc}$ : 1.9e-03  
-  $r_2$ : 0.65;  $p_{r_2}$ : 2.1e-03

## Charged amino acids



## Aromatic amino acids



Cost(Akashi) correlation:  
-  $p_{cc}$ : 0.50;  $p_{pcc}$ : 2.6e-02  
-  $r_2$ : 0.57;  $p_{r_2}$ : 8.8e-03

Cost(Kaleta) correlation:  
-  $p_{cc}$ : 0.49;  $p_{pcc}$ : 3.0e-02  
-  $r_2$ : 0.52;  $p_{r_2}$ : 1.9e-02

## Uncharged amino acids

