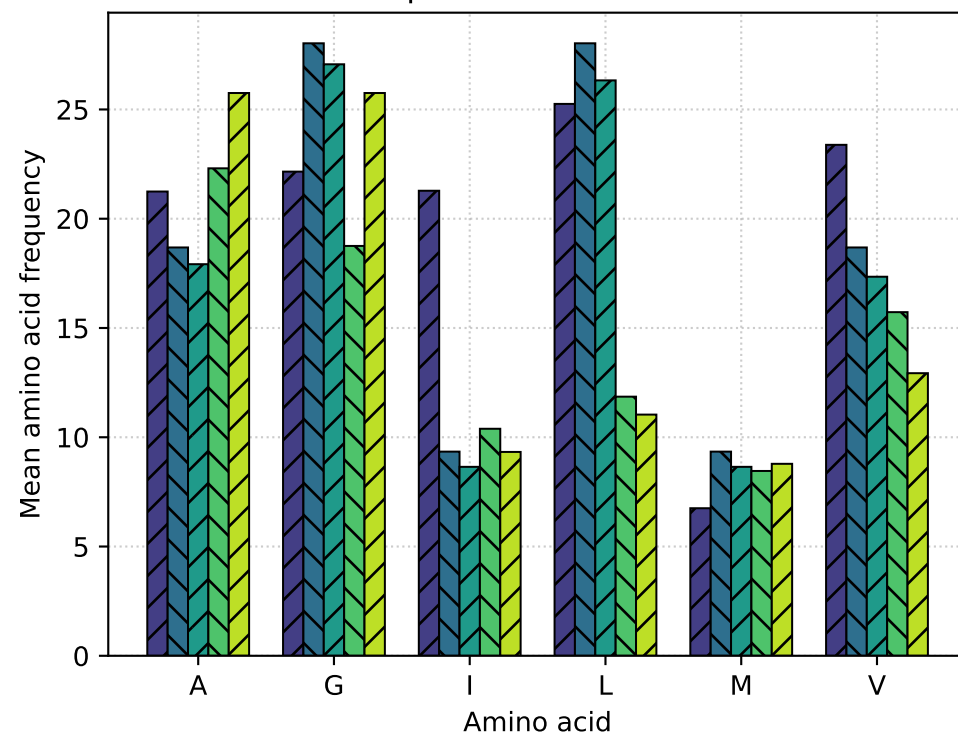


# Archaea - Correlation of amino acid frequency for genetic code: Ascidian mitochondrial

## Aliphatic amino acids



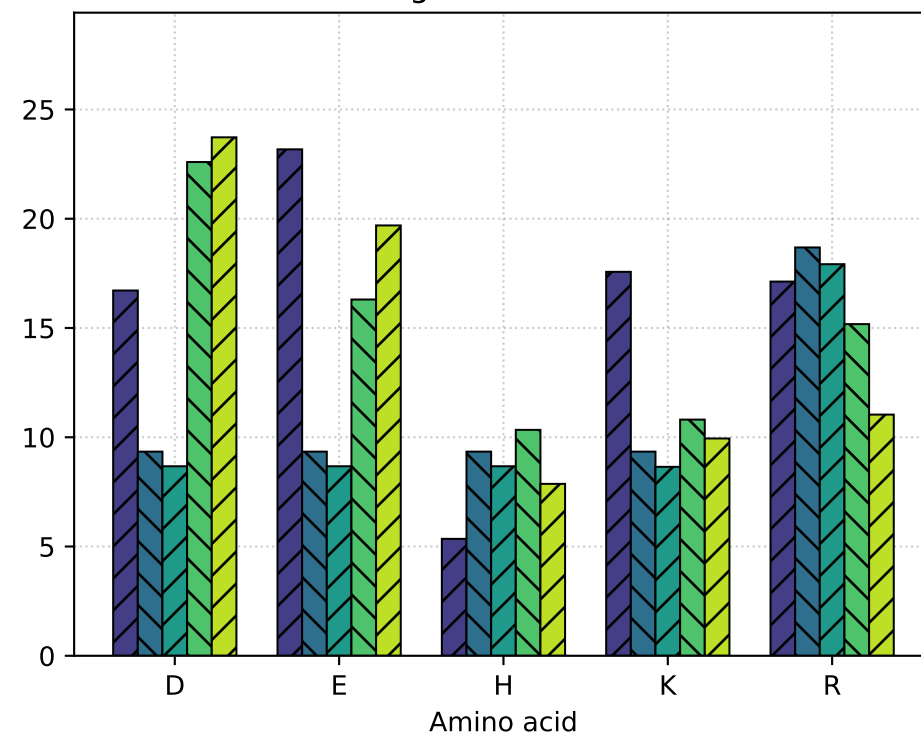
Legend:

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

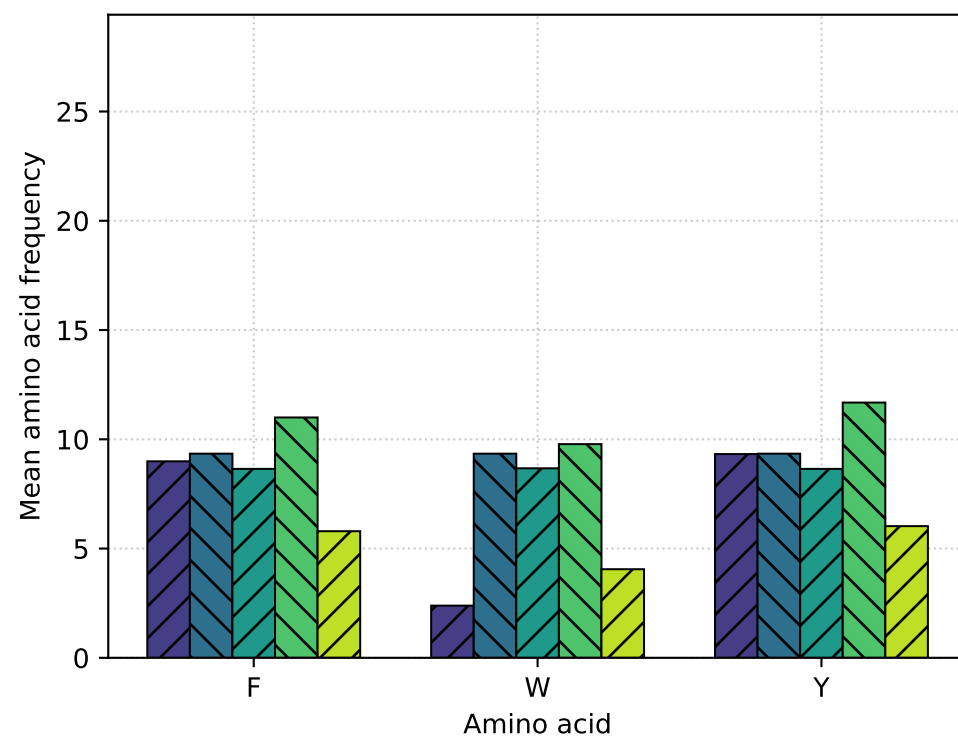
Codon correlation:  
 -  $p_{cc}$ : 0.50;  $p_{pcc}$ : 2.4e-02  
 -  $r_2$ : 0.53;  $p_{r_2}$ : 1.6e-02

Codon + GC correlation:  
 -  $p_{cc}$ : 0.54;  $p_{pcc}$ : 1.4e-02  
 -  $r_2$ : 0.52;  $p_{r_2}$ : 1.8e-02

## Charged amino acids



## Aromatic amino acids



Cost(Akashi) correlation:  
 -  $p_{cc}$ : 0.39;  $p_{pcc}$ : 9.0e-02  
 -  $r_2$ : 0.48;  $p_{r_2}$ : 3.4e-02

Cost(Kaleta) correlation:  
 -  $p_{cc}$ : 0.38;  $p_{pcc}$ : 1.0e-01  
 -  $r_2$ : 0.40;  $p_{r_2}$ : 7.8e-02

## Uncharged amino acids

