

Hiroshi Akashi

Codon Bias

① translational accuracy

- may be especially important if negative dominance

② translational rate

Notes

mult. ple codons → one tRNA

- means any differences

Codon Bias vs. Conserved Amino Acids

Assumption

① variable sites due to less constraint of protein

② if accuracy is important then expect more codon bias at conserved sites

- if rate important ... expect bias to be there because translation of whole protein important.

→ Mutation Rate Varies w/ in Gene