

TABLE 5.3. Alternative genetic codes

Codon	Standard Code	Other Codes in Cellular Genomes				Mitochondrial Codes		
		Mycoplasma	Ciliates	Euplotes	Many Species	Yeast	Protozoa	Mammals
UGA	Stop	Tryptophan	s	Cysteine	Selenocysteine	Tryptophan	Tryptophan	Tryptophan
UAA/UAG	Stop	s	Glutamine	s	s	s	s	s
AUA	Isoleucine	s	s	s	s	Methionine	Methionine	Methionine
CUA	Leucine	s	s	s	s	Threonine	s	s
AGA/AGG	Arginine	s	s	s	s	s	s	Stop

Data in part from Madigan M.T., Martinko J., and Parker J. 1997. *Brock biology of microorganisms*, 8th ed. Prentice Hall, New York, Table 6.7, p. 222. s, same as standard code.