

TABLE 10-1 Sigma Factors of *E. coli*

Sigma Factor	Promoters Recognized	Promoter Consensus	
σ^{70}	Most genes	-35 Region TTGACAT	-10 Region TATAAT
σ^{32}	Genes induced by heat shock	TCTCNCCCTTGAA	CCCCATNTA
σ^{28}	Genes for motility and chemotaxis	CTAAA	CCGATAT
σ^{38}	Genes for stationary phase and stress response	?	?
σ^{54}	Genes for nitrogen metabolism and other functions	-24 Region CTGGNA	-12 Region TTGCA

SOURCES: C. A. Gross, M. Lonetto, and R. Losick, 1992, in S. L. McKnight and K. R. Yamamoto, eds., *Transcriptional Regulation*, Cold Spring Harbor Laboratory Press; D. N. Arnosti and M. J. Chamberlin, 1989, *Proc. Nat'l. Acad. Sci. USA* 86:830; R. Hengge-Aronsis, 1996, *Mol. Microbiol.* 21:887.