



Figure 7-10 Directions of transcription along a short portion of a bacterial chromosome. Some genes are transcribed using one DNA strand as a template, while others are transcribed using the other DNA strand. The direction of transcription is determined by the promoter at the beginning of each gene (*green arrowheads*). Approximately 0.2% (10,000 base pairs) of the *E. coli* chromosome is depicted here. The genes transcribed from left to right use the bottom DNA strand as the template; those transcribed from right to left use the top strand as the template (see Figure 7-9).