



**▲ FIGURE 12-5 Consensus sequence of the minimal bacterial replication origin based on analyses of genomes from six bacterial species.** Similar sequences constitute each origin; the 13-bp repetitive sequences (orange) are rich in adenine and thymine residues. The 9-bp repetitive sequences (brown) exist in both orientations; that is, the lower-right sequence, read right to left, is the same as that of the upper-left sequence, read left to right. These sequences are referred to as 13-mers and 9-mers, respectively. Indicated nucleotide position numbers are arbitrary. [See J. Zyskind et al., 1983, *Proc. Nat'l. Acad. Sci. USA* **80**:1164.]