Insertion sequence Transposase gene IR = inverted repeats A composite transposon Other genes IR Insertion Insertion sequence sequence A target site for the Tn3 transposon ...TTTATTTTCCGAATTCCAAGCGCAGCC... Target site for transposition insertion ...AAATAAAAGGCTTAAGGTTCGCGTCGGAAATAAAAGGCTTAAGCCCCAGACTGCGAGTC---GACTCGCAGTCTGGGGTTAAGGTTCGCGTCGG... Flanking direct Flanking direct repeat repeat Portion of Portion of left inverted right inverted Figure 13.8 repeat of Tn3 repeat of Tn3