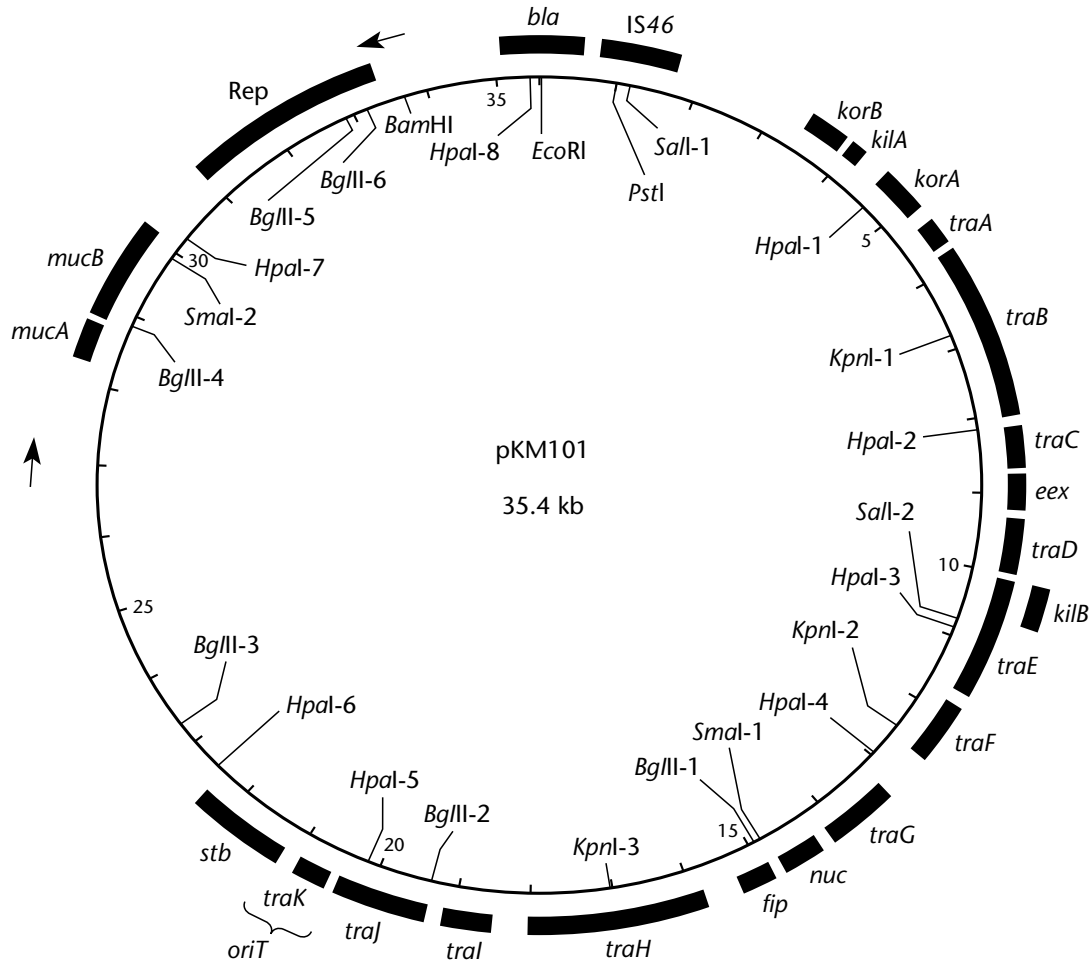
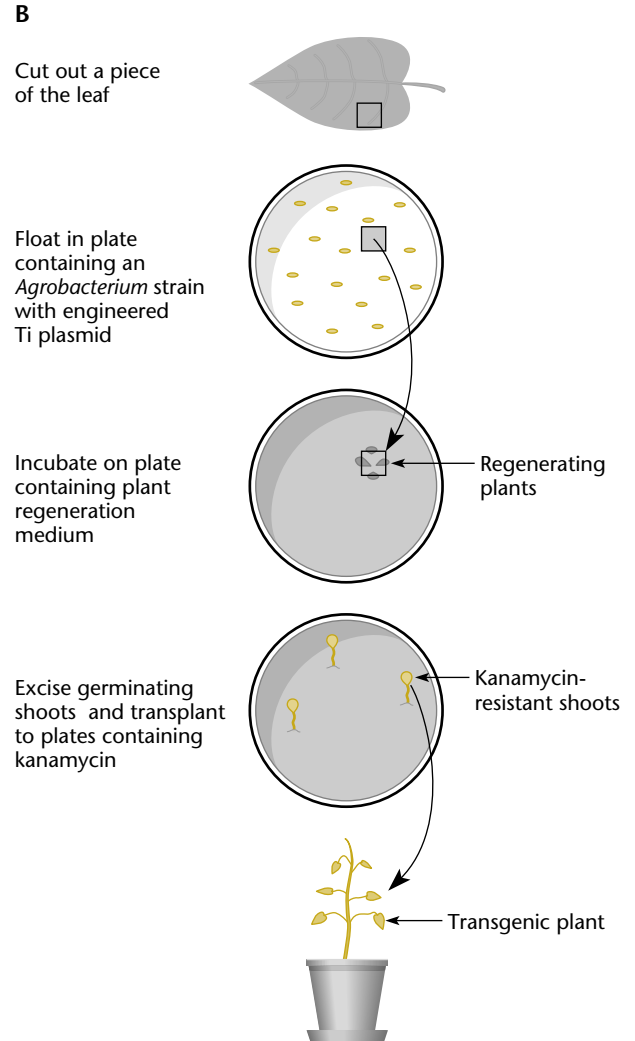
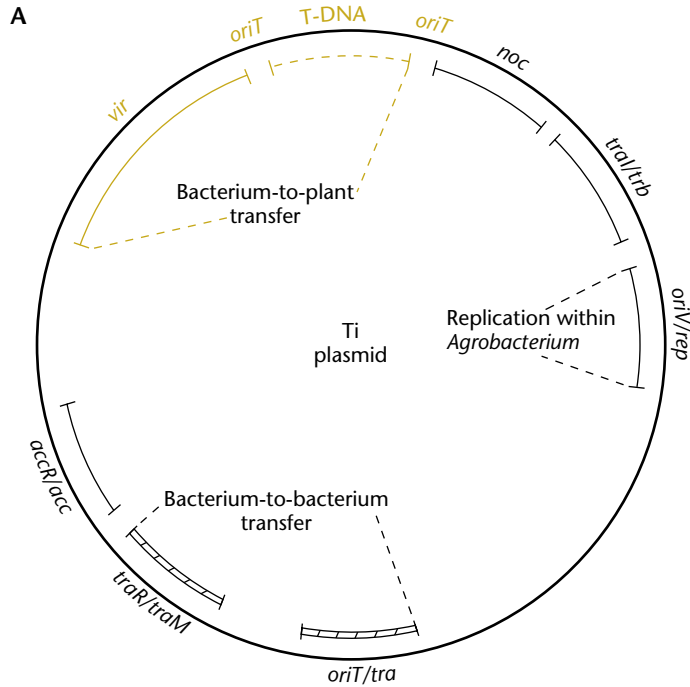


Figure 5.1



Box 5.1



Box 5.1 cont.

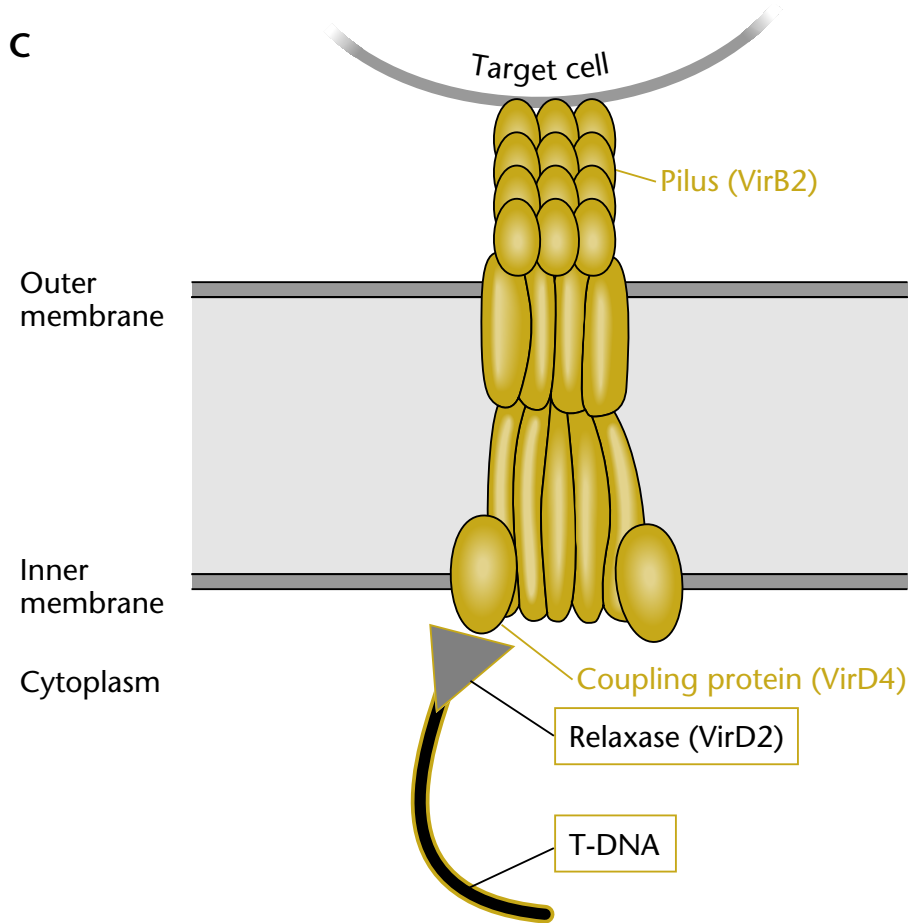


Figure 5.2

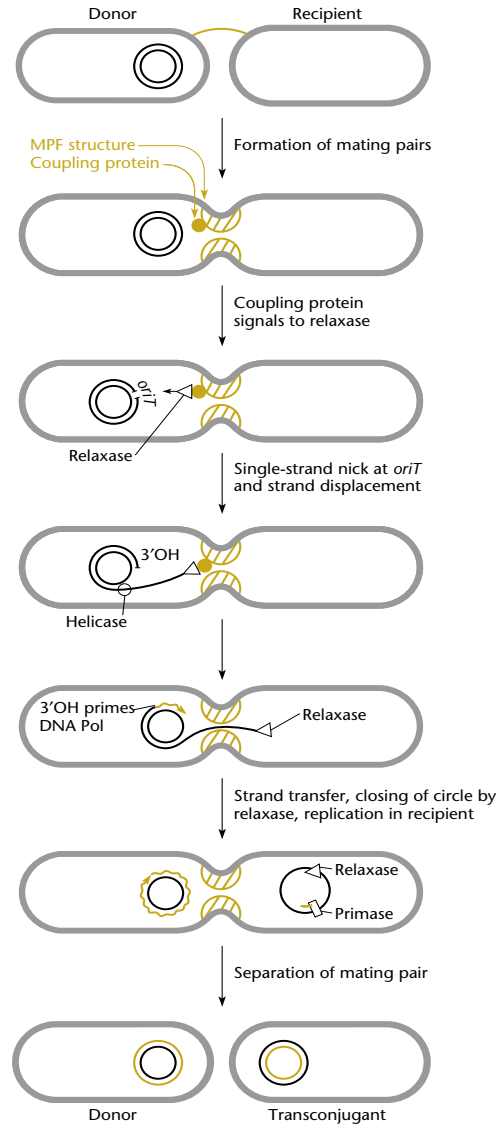


Figure 5.3

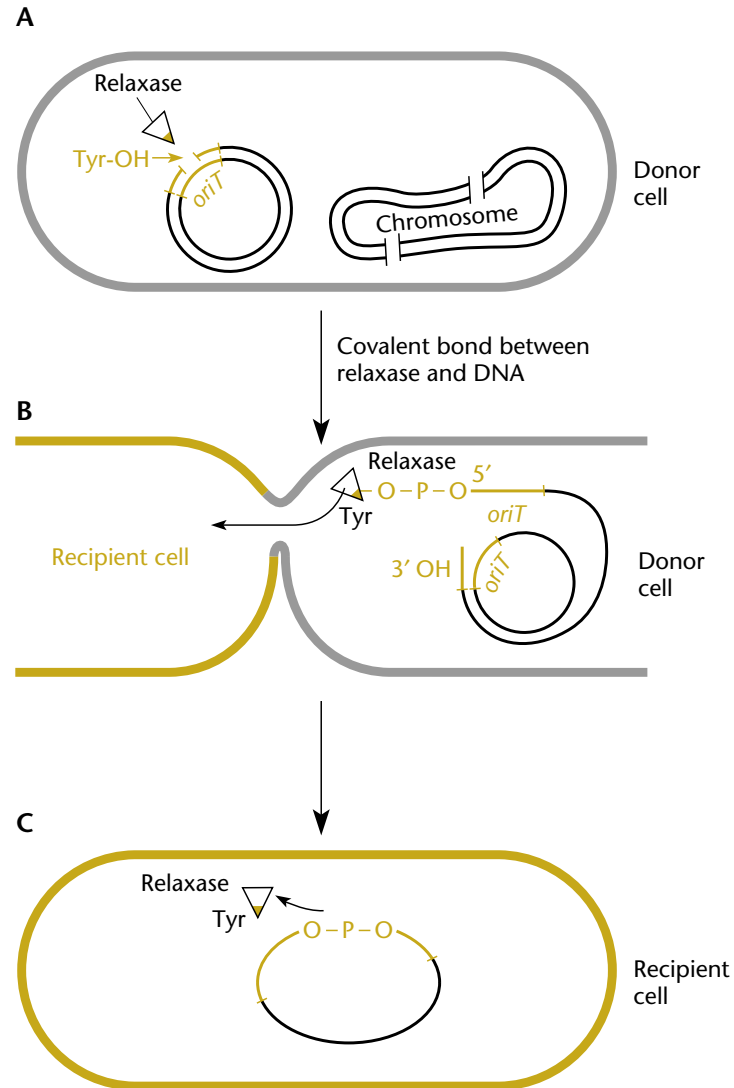


Figure 5.4

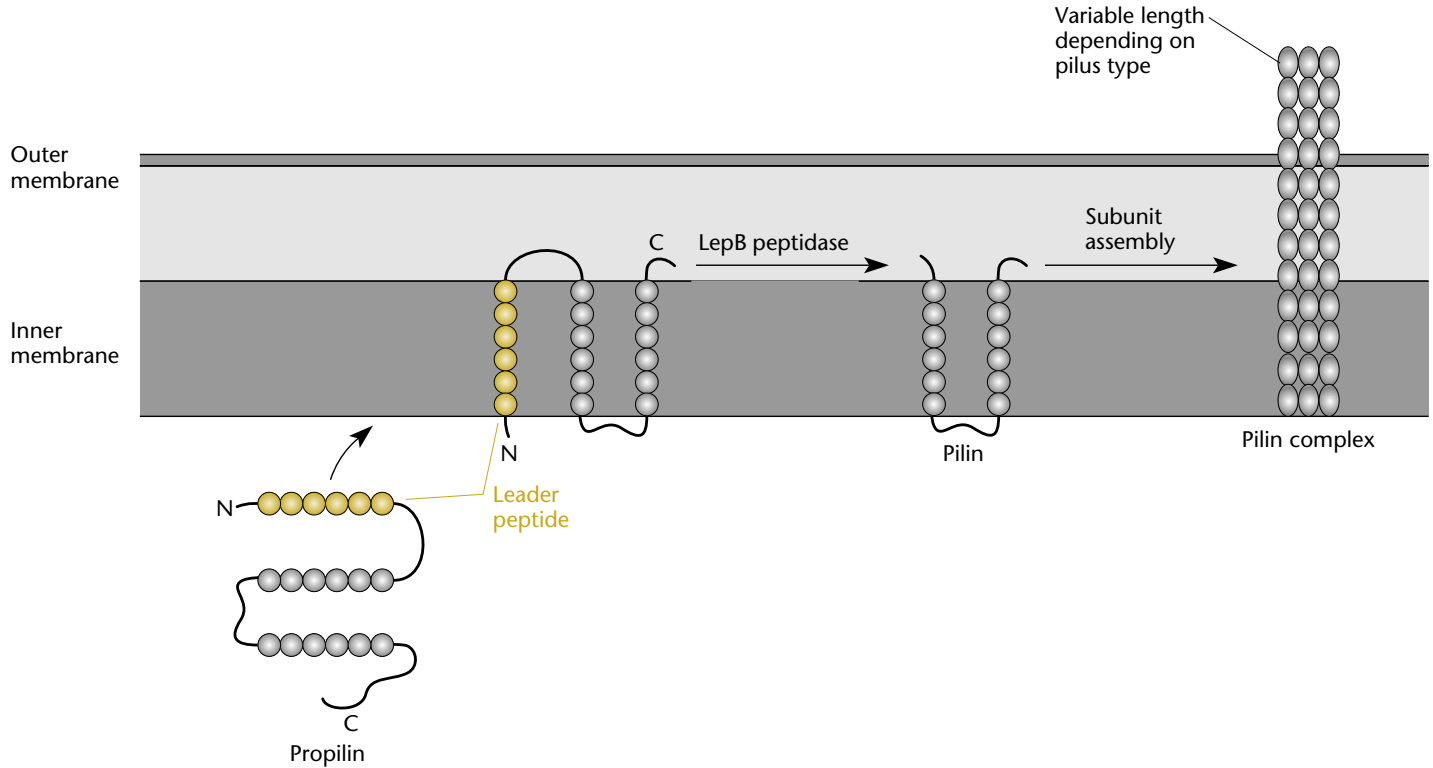
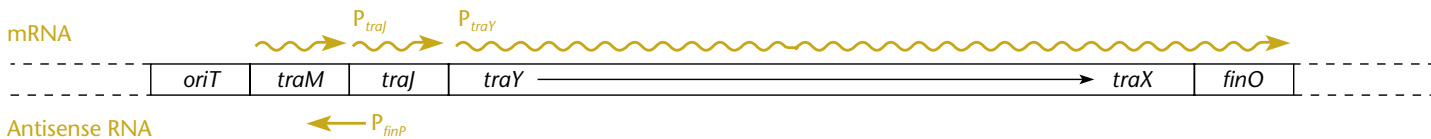
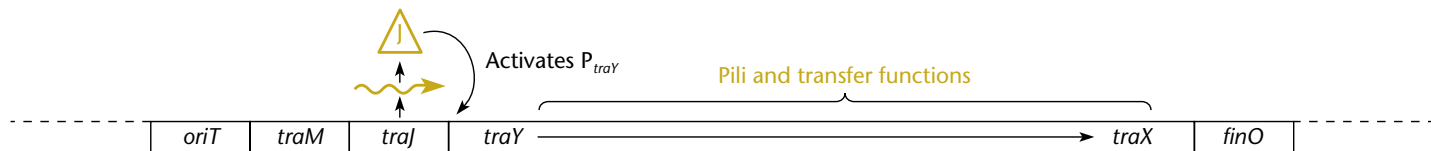


Figure 5.5

A Genetic organization of *tra* region



B Immediately after entry into cell



C After plasmid establishment

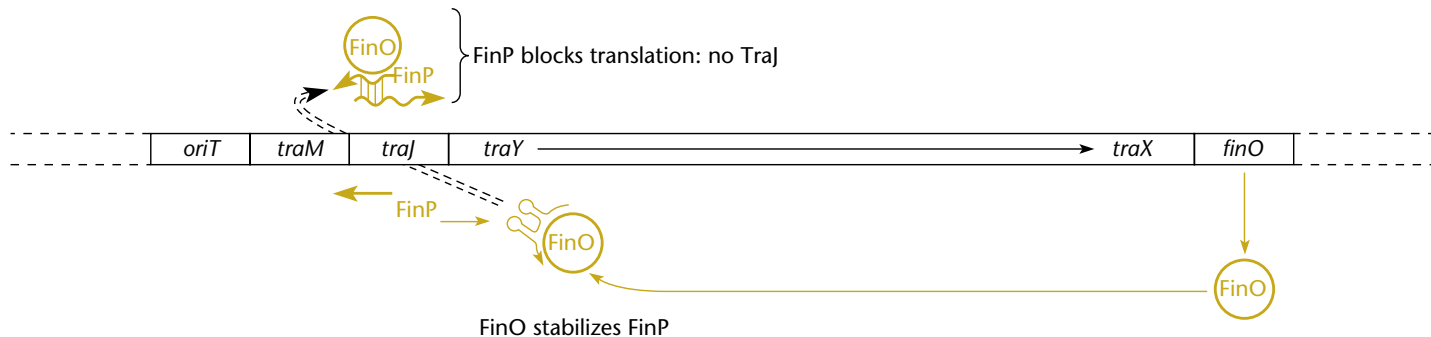


Figure 5.6

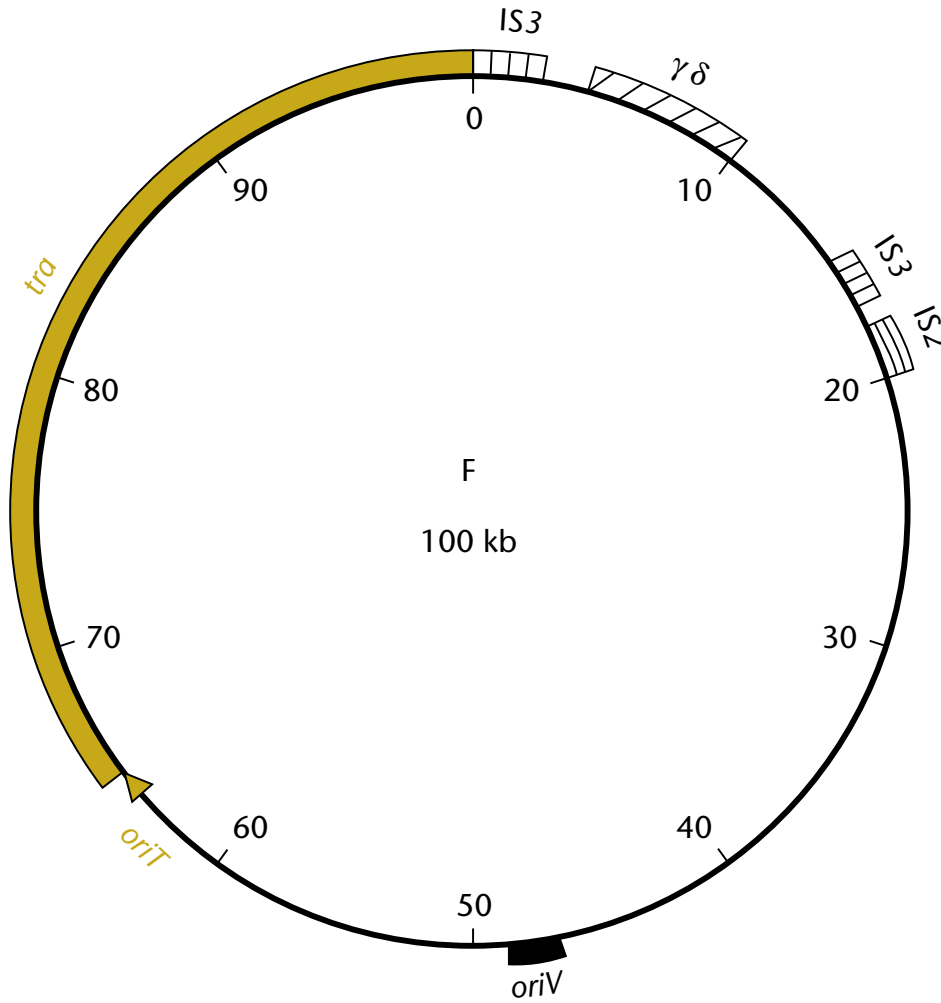


Table 5.1

Symbol	Function
<i>ccdAB</i>	Inhibition of host cell division
<i>incBCE</i>	Incompatibility
<i>oriT</i>	Site of initiation of conjugal DNA transfer
<i>oriV</i>	Origin of bidirectional replication
<i>parABCL</i>	Partitioning
<i>traABCEFGHKLQUVW</i>	Pilus biosynthesis/assembly
<i>traGN</i>	Mating-pair stabilization
<i>tral</i>	Relaxase
<i>traY</i>	Accessory for nickase
<i>traJ, finOP</i>	Regulation of transfer
<i>traST</i>	Entry exclusion

Figure 5.7

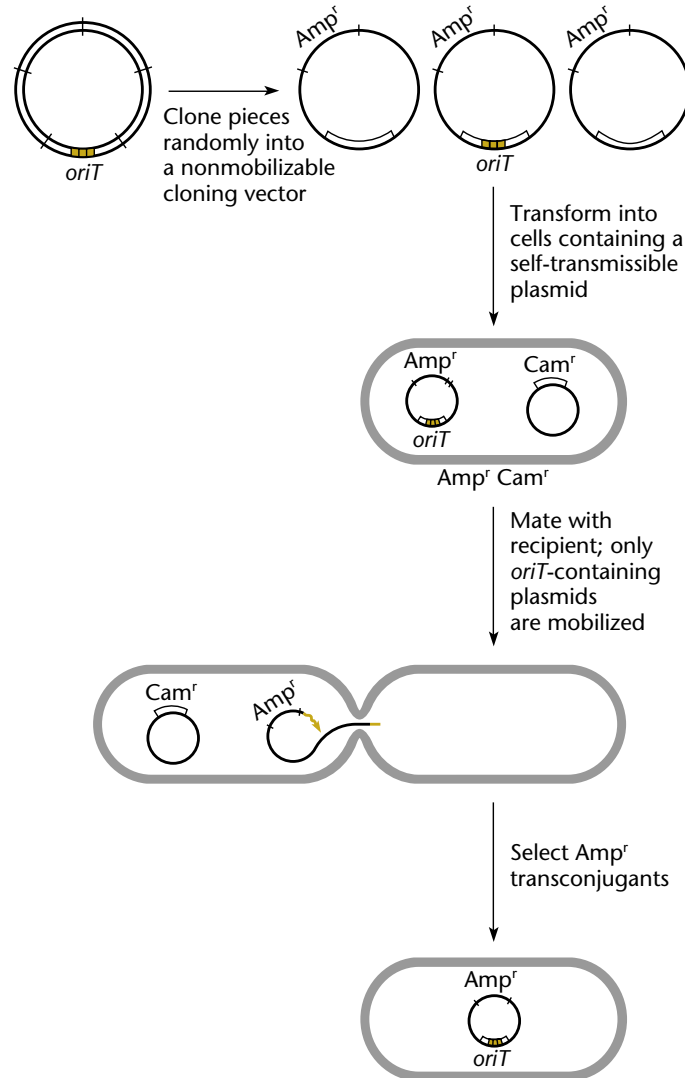


Figure 5.8

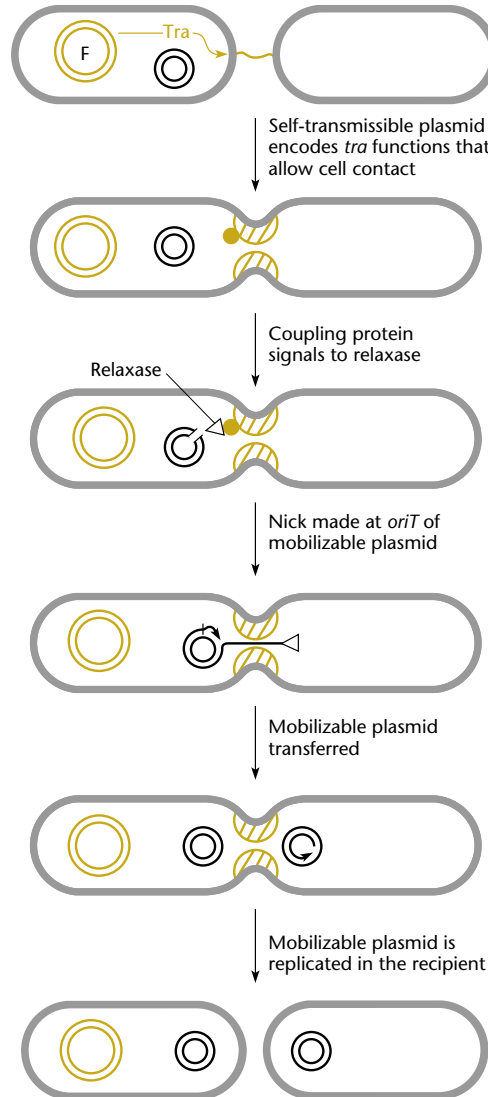


Figure 5.9

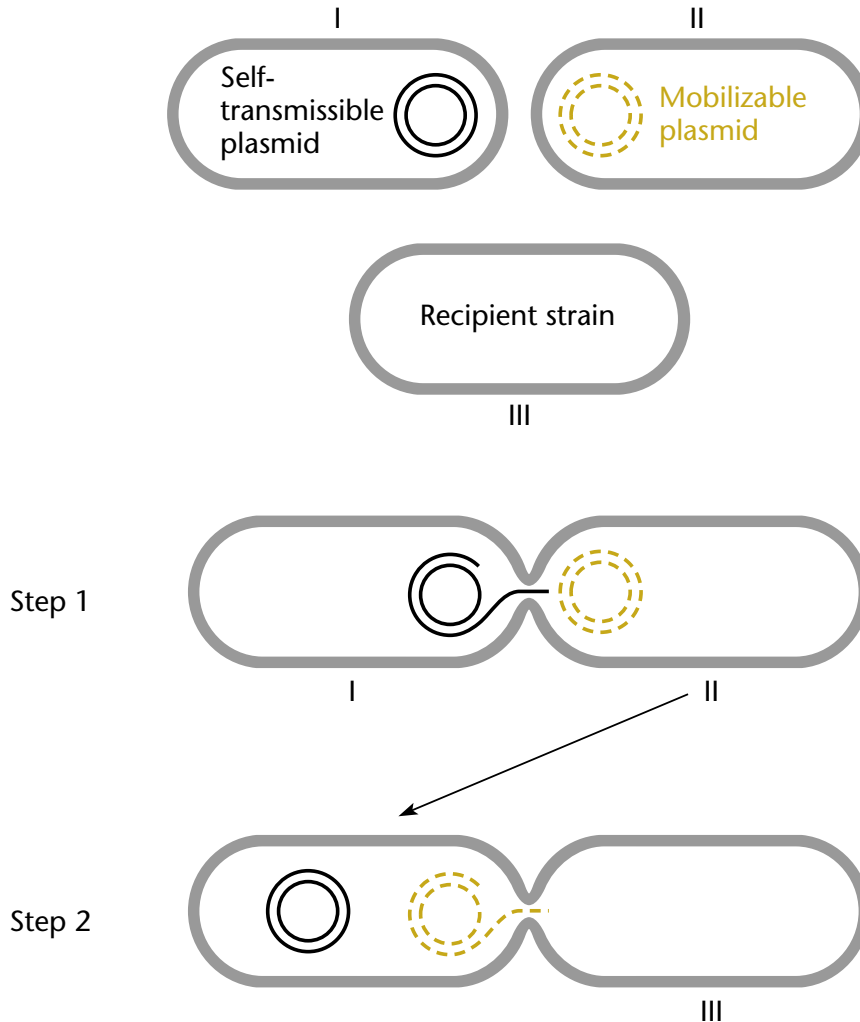


Figure 5.10

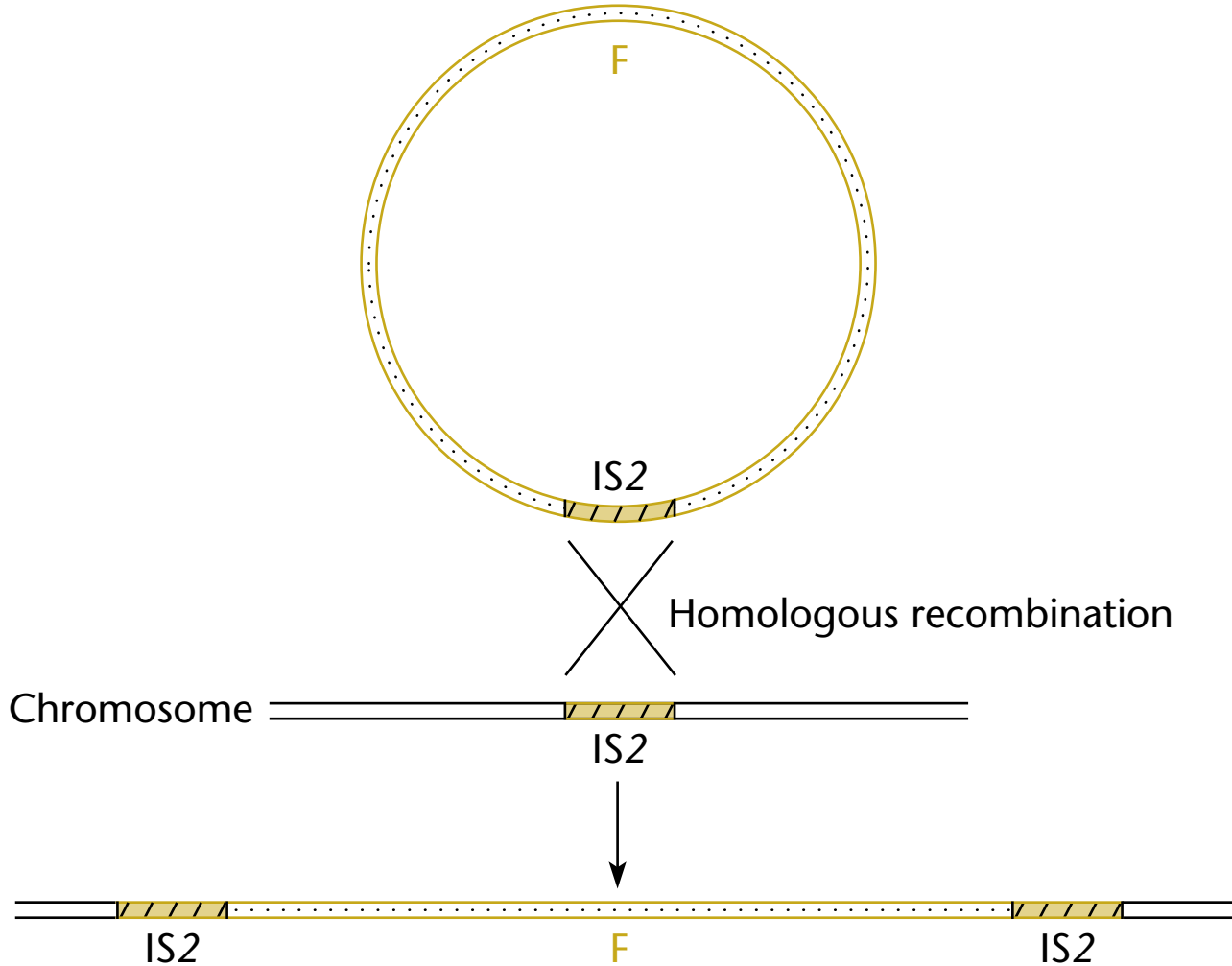


Figure 5.11

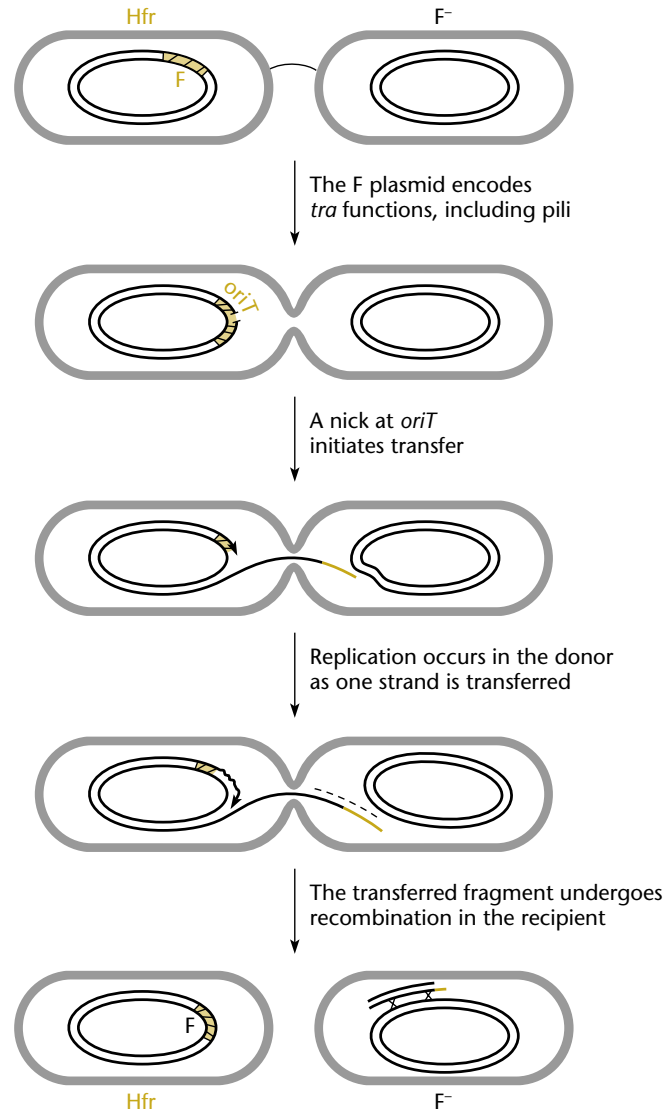


Figure 5.12

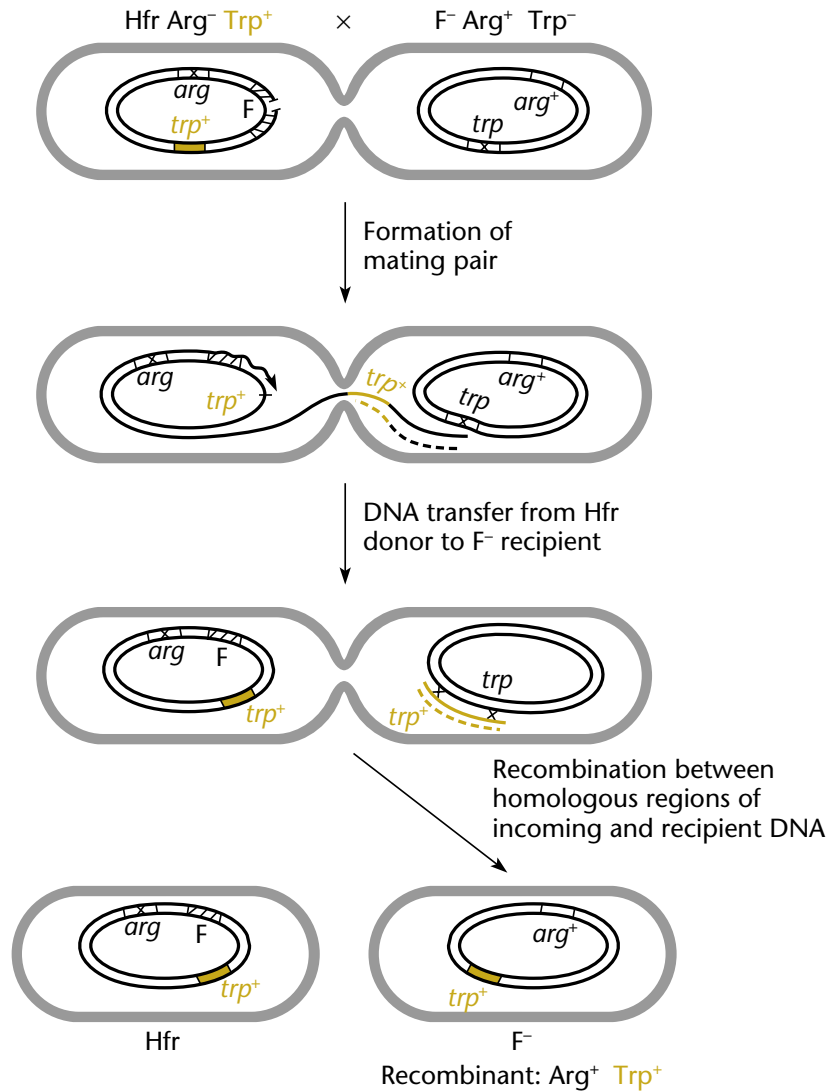


Table 5.2

TABLE 5.2		Typical results of an Hfr cross			
Selected marker	Percent recombinant for unselected markers				
	<i>hisG</i>	<i>trpA</i>	<i>argH</i>	<i>rif</i>	
<i>hisG</i>		1	7	6	
<i>trpA</i>	33		29	31	
<i>argH</i>	28	12		89	

Figure 5.13

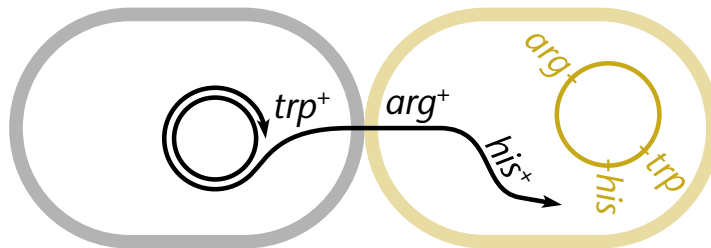
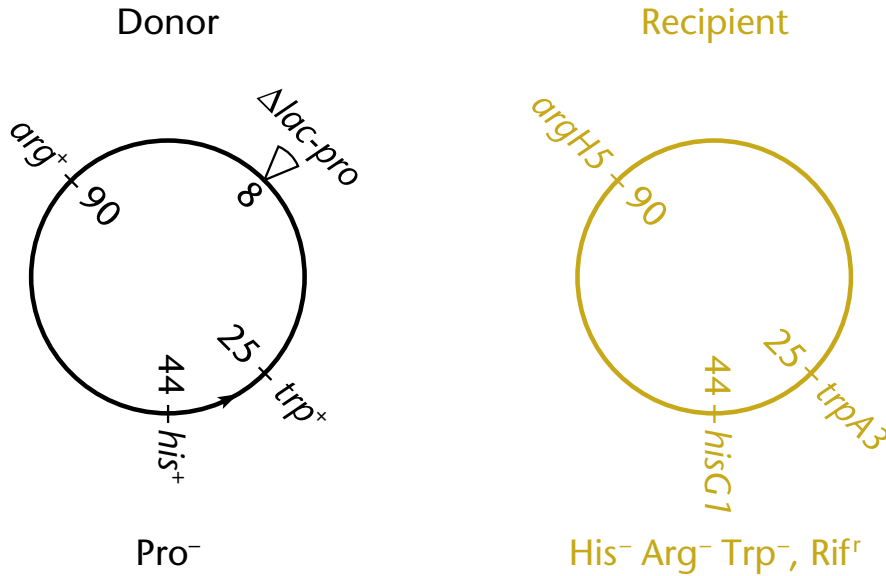


Plate: Arginine plus tryptophan: His⁺
 Tryptophan plus histidine: Arg⁺
 Arginine plus histidine: Trp⁺

Figure 5.14

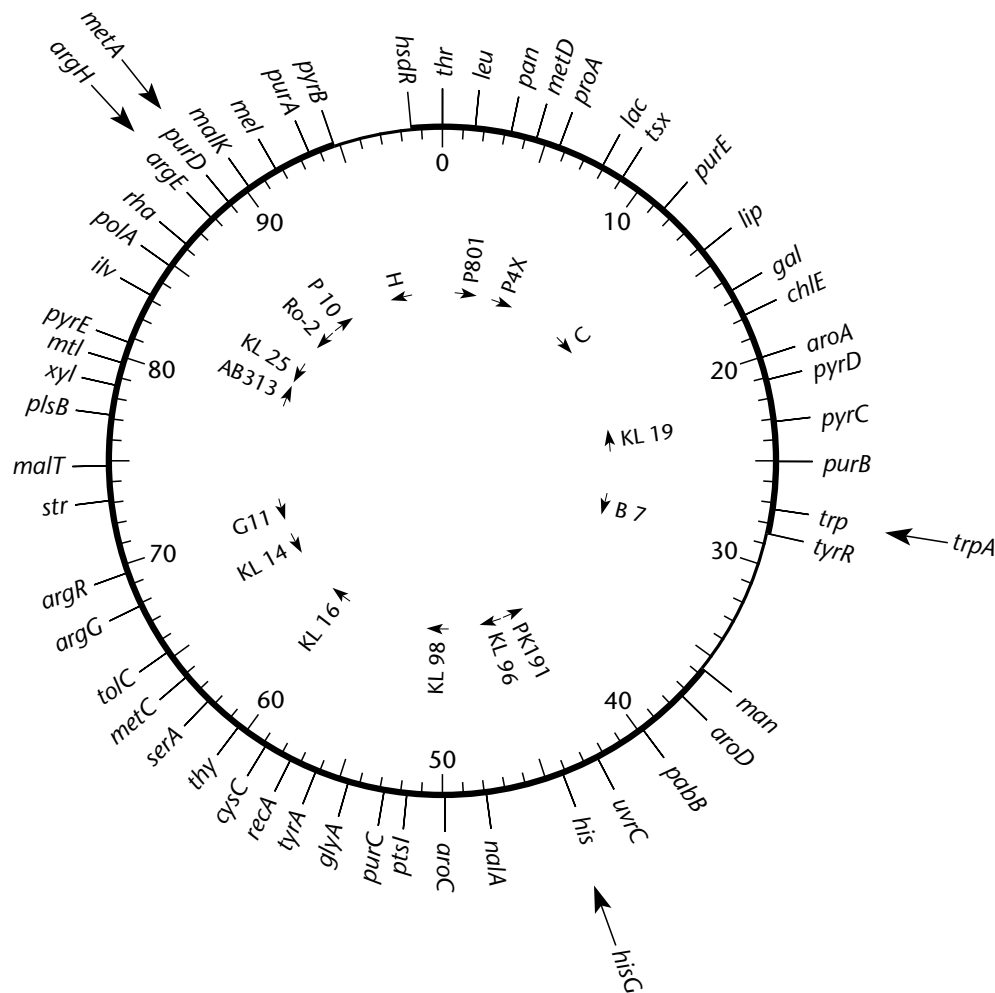


Figure 5.15

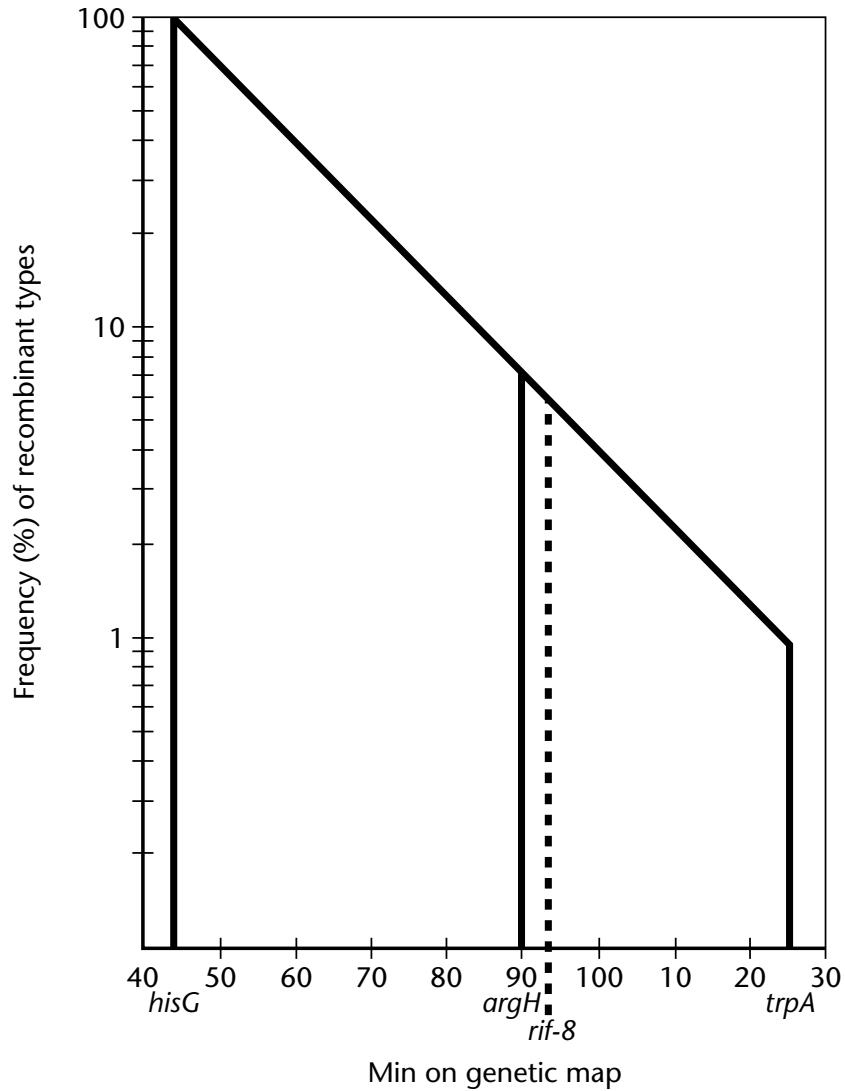


Figure 5.16

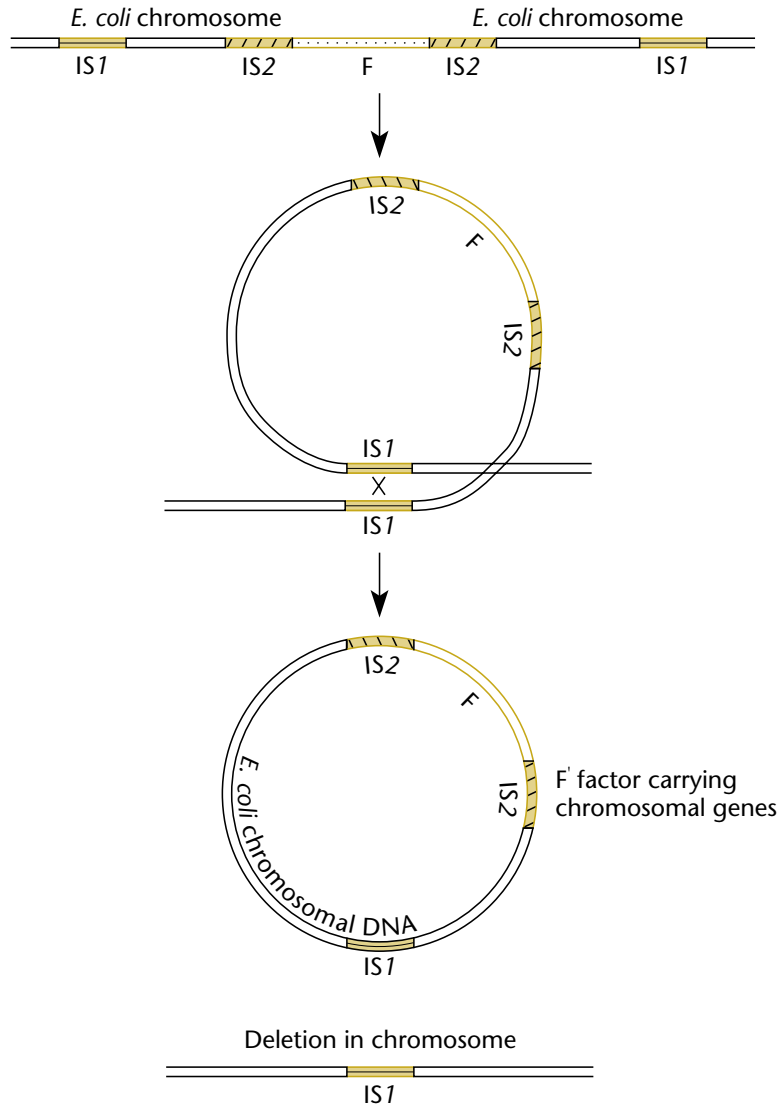


Figure 5.17

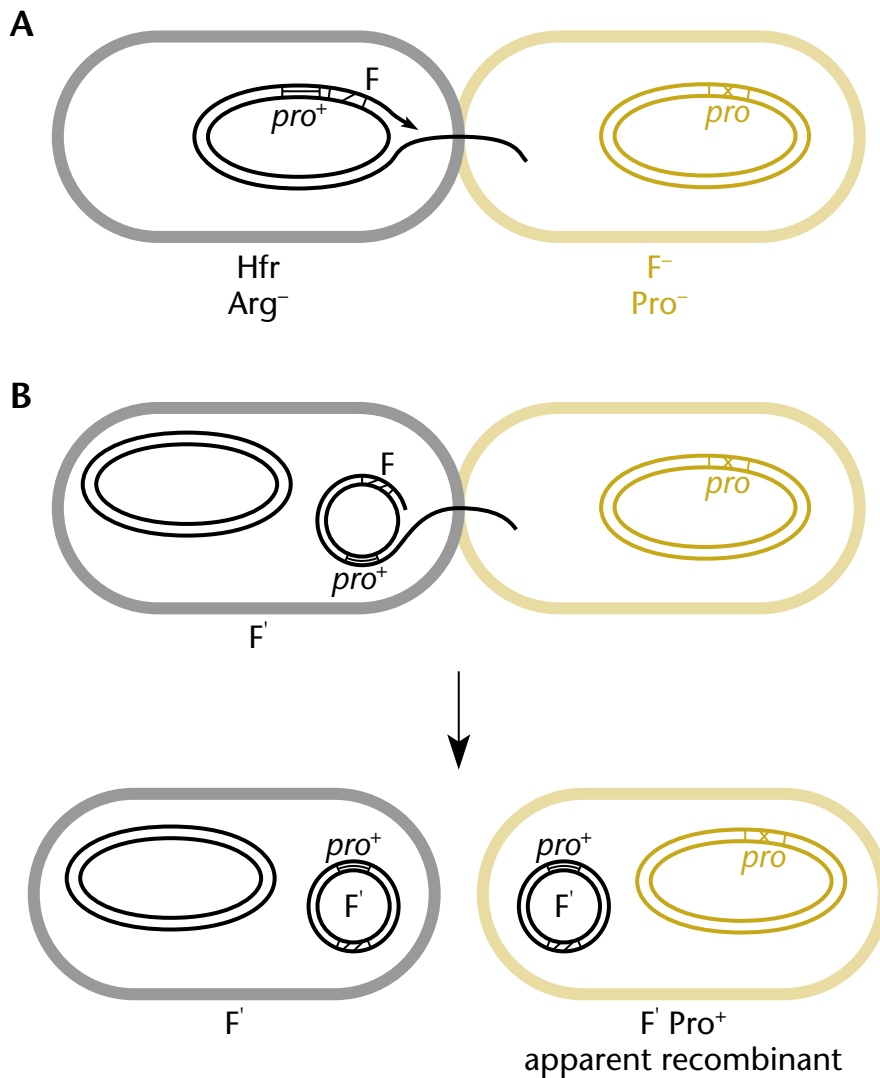
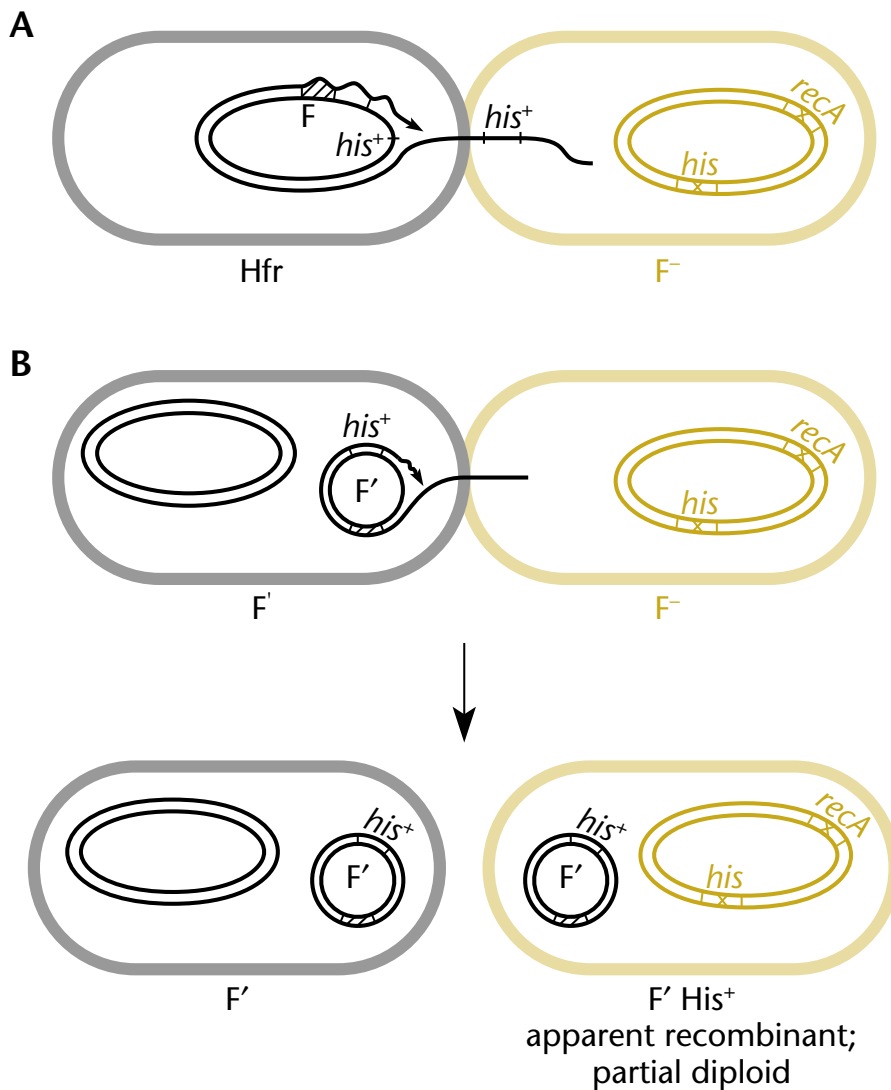


Figure 5.18



Box 5.3

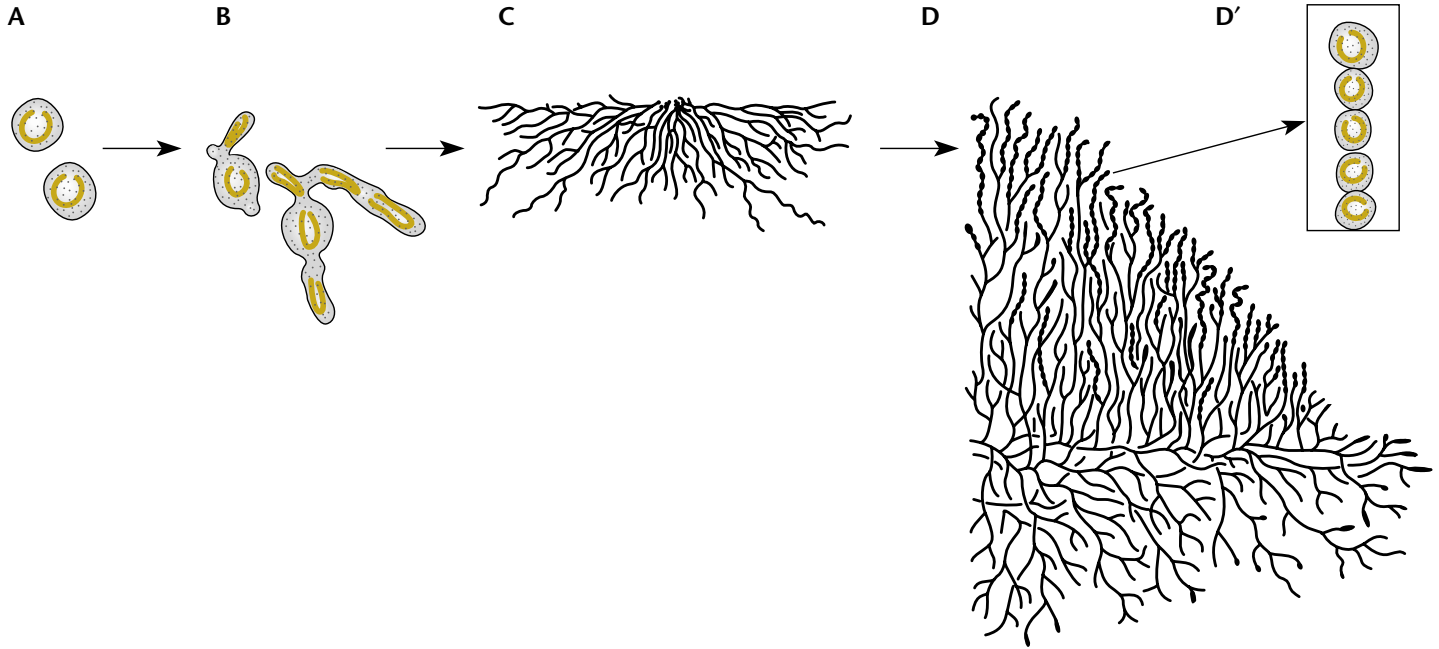


Figure 5.19

