



FIGURE 22.29. Changes in a species' range can bring together differences that evolved independently, in parapatry. (A) If a species is distributed across a broad area, divergence will build up. In this example, allele A is incompatible with allele B, C is incompatible with D, and E is incompatible with F; however, there is no interaction between these separate incompatibility systems, and so they may form clines in different places. If the species' range is reduced to two small refugia (B), which happen to contain gene combinations *aBcDef* and *AbCdEF*, then when the range expands again (C), all these independently evolved differences will be brought together in a single hybrid zone.