CLAIMS

What is claimed is:

1. A host cell comprising a donor plasmid and a helper plasmid,

(a) wherein the helper plasmid comprises: (i) under control of a first promoter, an open reading frame encoding lambda red recombinase; and (ii) under control of a second promoter, an open reading frame encoding a restriction endonuclease that has a recognition sequence that is not present in the host cell genome; and

(b) wherein the donor plasmid comprises: (i) from 5' to 3': (1) the recognition sequence of the restriction endonuclease; (2) a first homology region of at least 0.5 kilobases (kb), (3) a heterologous insert DNA of at least 8 kb; and (4) a second homology region of at least 0.5 kb; and (ii) a counterselection marker.

2. The host cell of claim 1, wherein the heterologous insert DNA is at least 20 kb.

3. The host cell of any one of claims 1-2, further comprising an oligosaccharyl transferase.

4. The host cell of any one of claims 1-3, further comprising at least one glycosyltransferase.

5. The host cell of any one of claims 1-4, wherein one or more genes native to the host cell have been deleted or inactivated.

6. The host cell of any one of claims 1-5, wherein said heterologous insert DNA comprises an *rfb* cluster of a prokaryotic organism.

7. The host cell of any one of claims 1-6, wherein said host cell further comprises a nucleic acid encoding a carrier protein comprising a consensus sequence for N-glycosylation.

8. A method of producing a glycoconjugate comprising a carrier protein and an antigen, wherein said method comprises culturing the host cell of claim 7 under conditions suitable for the production of proteins.