



CRC

for

Premium

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Cloning Vectors

Produced for the CRC for Premium Quality Wool undergraduate program by;
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Cloning vectors

- Molecular vehicles for transporting the DNA fragment(s) of interest into bacterial (or other) cells
 - obtain large amounts of the gene of interest
 - sequence
 - modify
 - express/purify the encoded protein

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Cloning vectors

- **Plasmids**
 - tend to be for smaller fragments
 - generally up to 10 kb reasonably efficient
- **Phage λ**
 - fragments up to about 24 kb
- **Cosmids**
 - fragments up to 45 kb

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