

Cloning Vectors

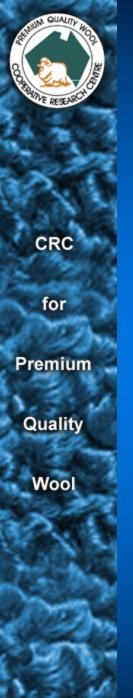
Produced for the CRC for Premium Quality Wool undergraduate program by; Dr Phil Vercoe, The University of Western Australia.



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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