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
Cloning vectors

• **Plasmids**
  – tend to be for smaller fragments
  – generally up to 10 kb reasonably efficient

• **Phage \( \lambda \)**
  – fragments up to about 24 kb

• **Cosmids**
  – fragments up to 45 kb