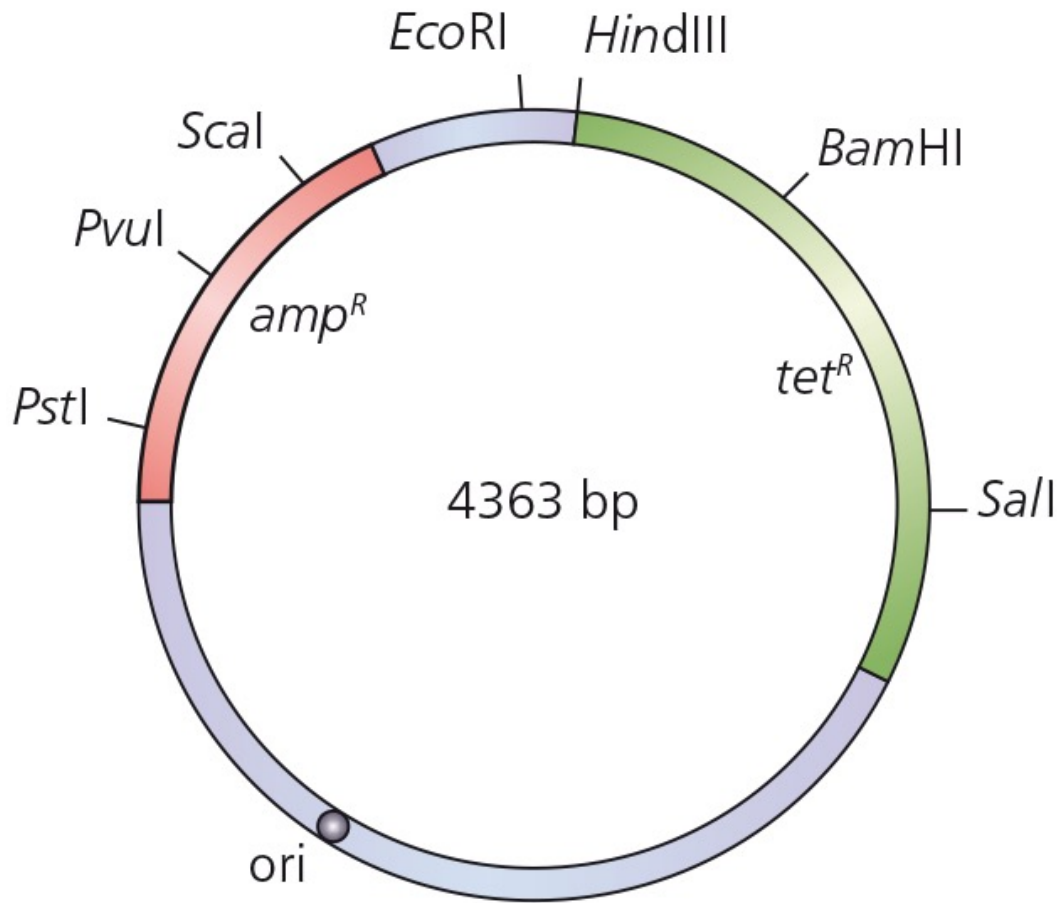
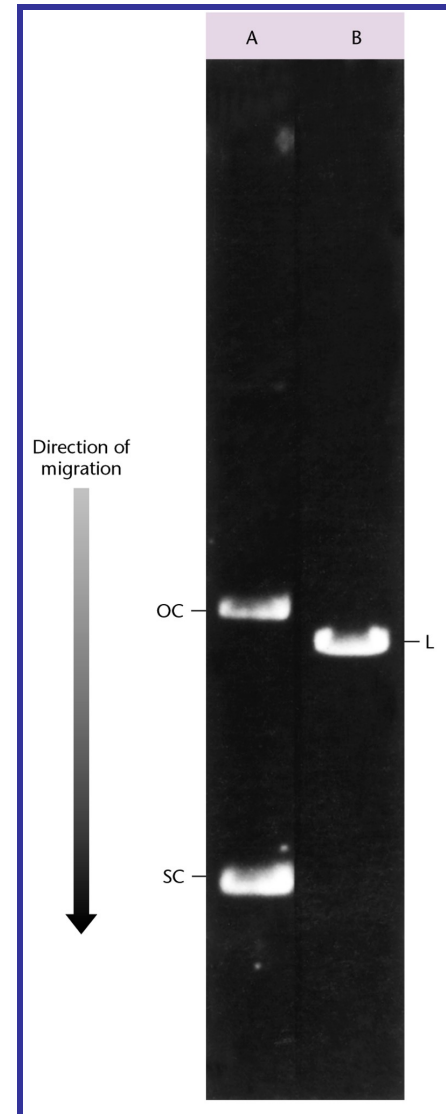
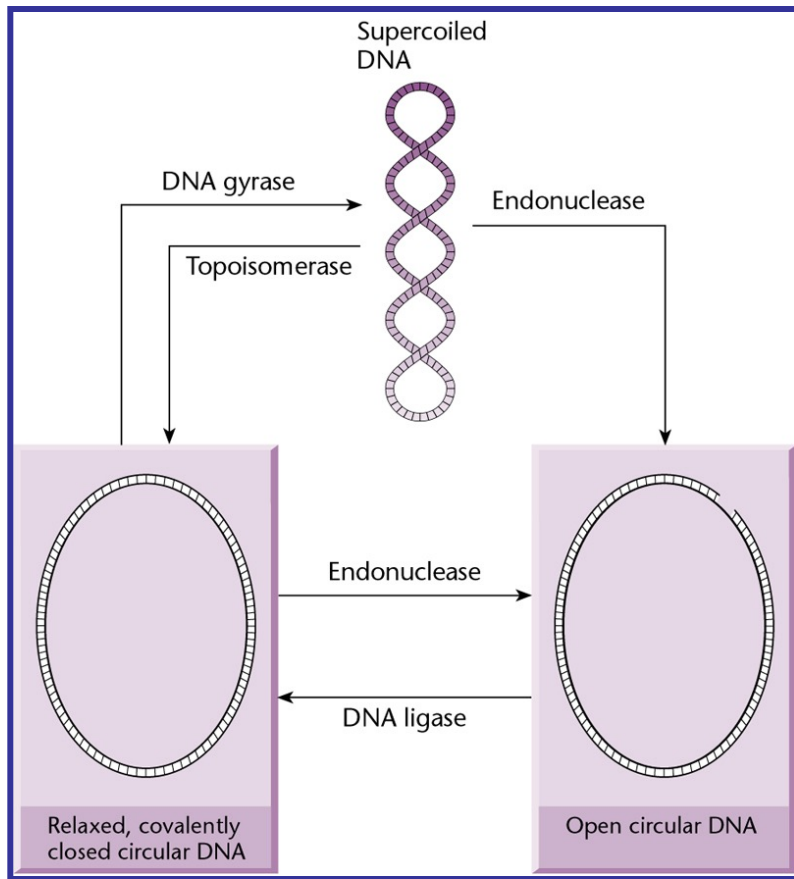


Vettori di Clonaggio



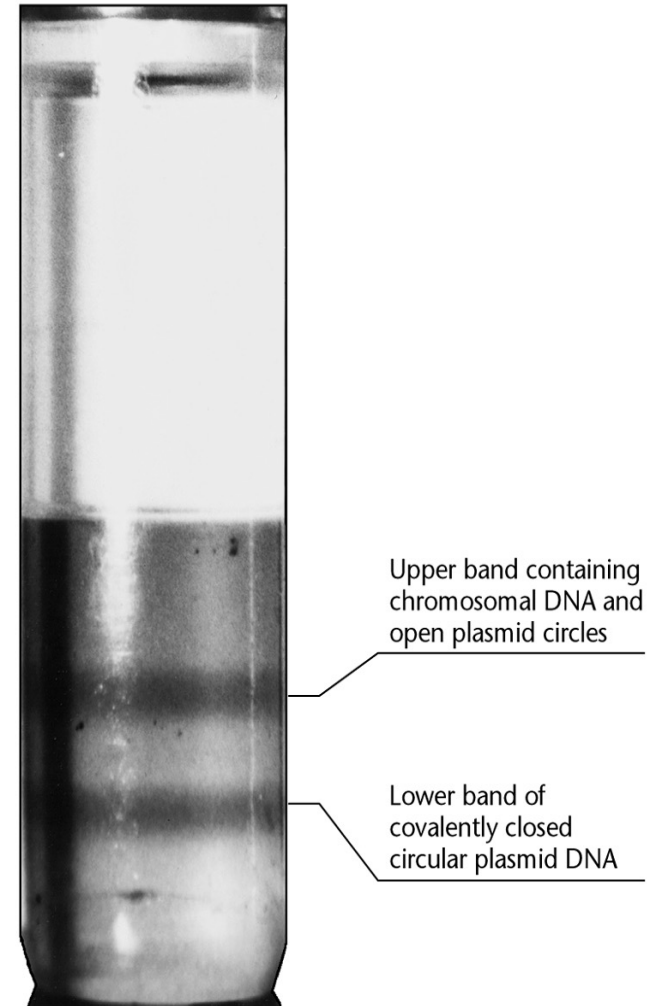
pBR322

Vettori di Clonaggio



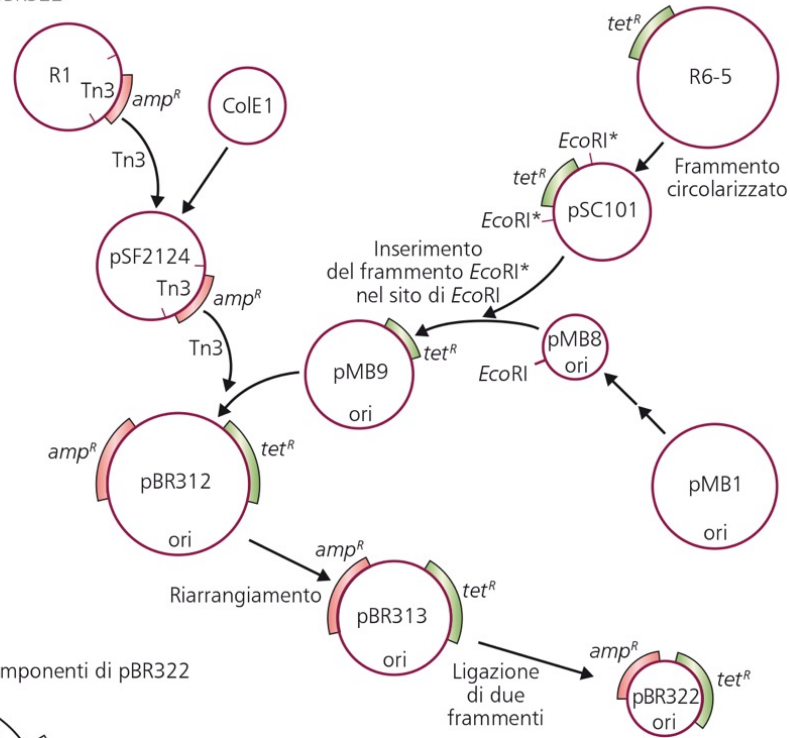
Vettori di Clonaggio

- Basso peso molecolare
- Fenotipo selezionabile
- Siti per enzimi di restrizione unici

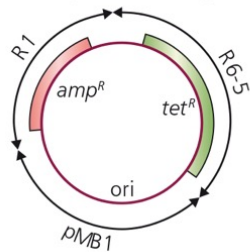


Vettori di Clonaggio-Plasmidi

(a) Costruzione di pBR322



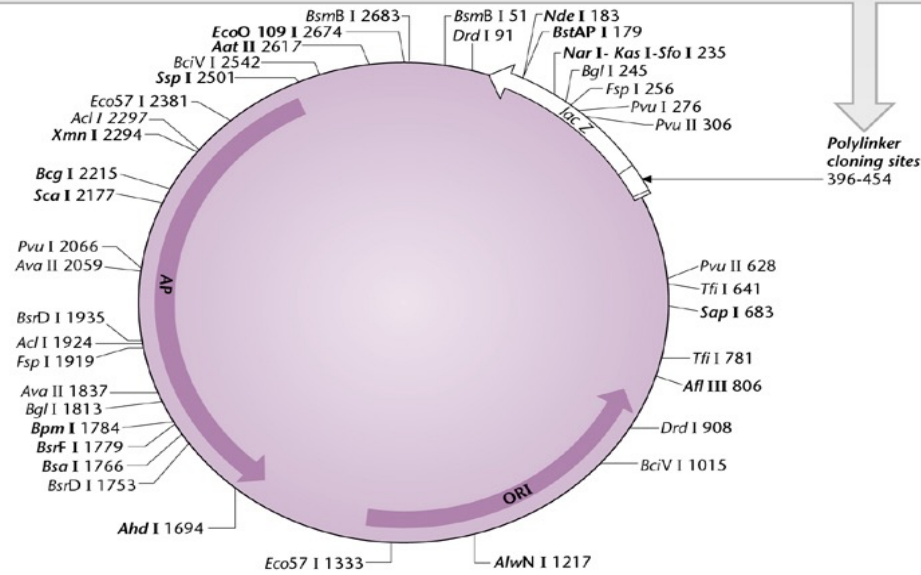
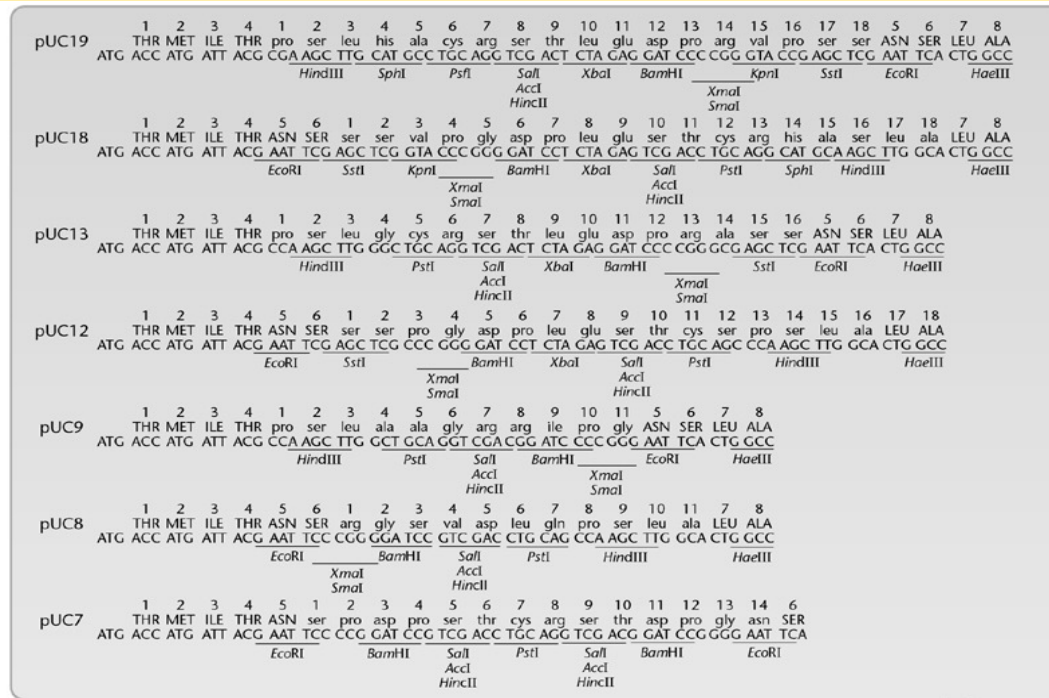
(b) Origine delle componenti di pBR322



Costruzione di pBR322

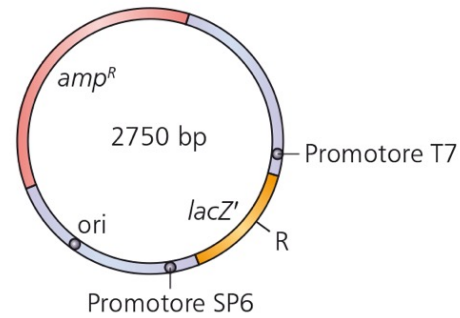
Vettori di Clonaggio-Plasmidi

pUC

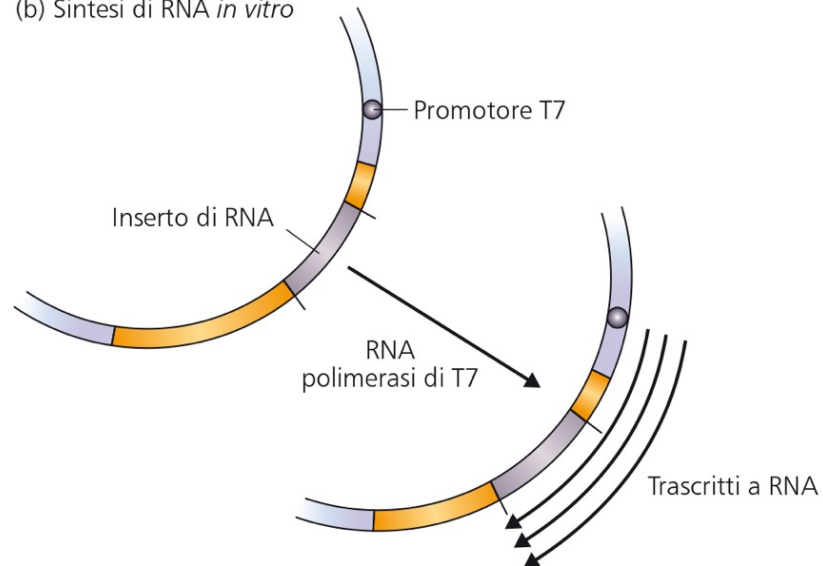


Vettori di Clonaggio-Plasmidi

(a) pGEM3Z

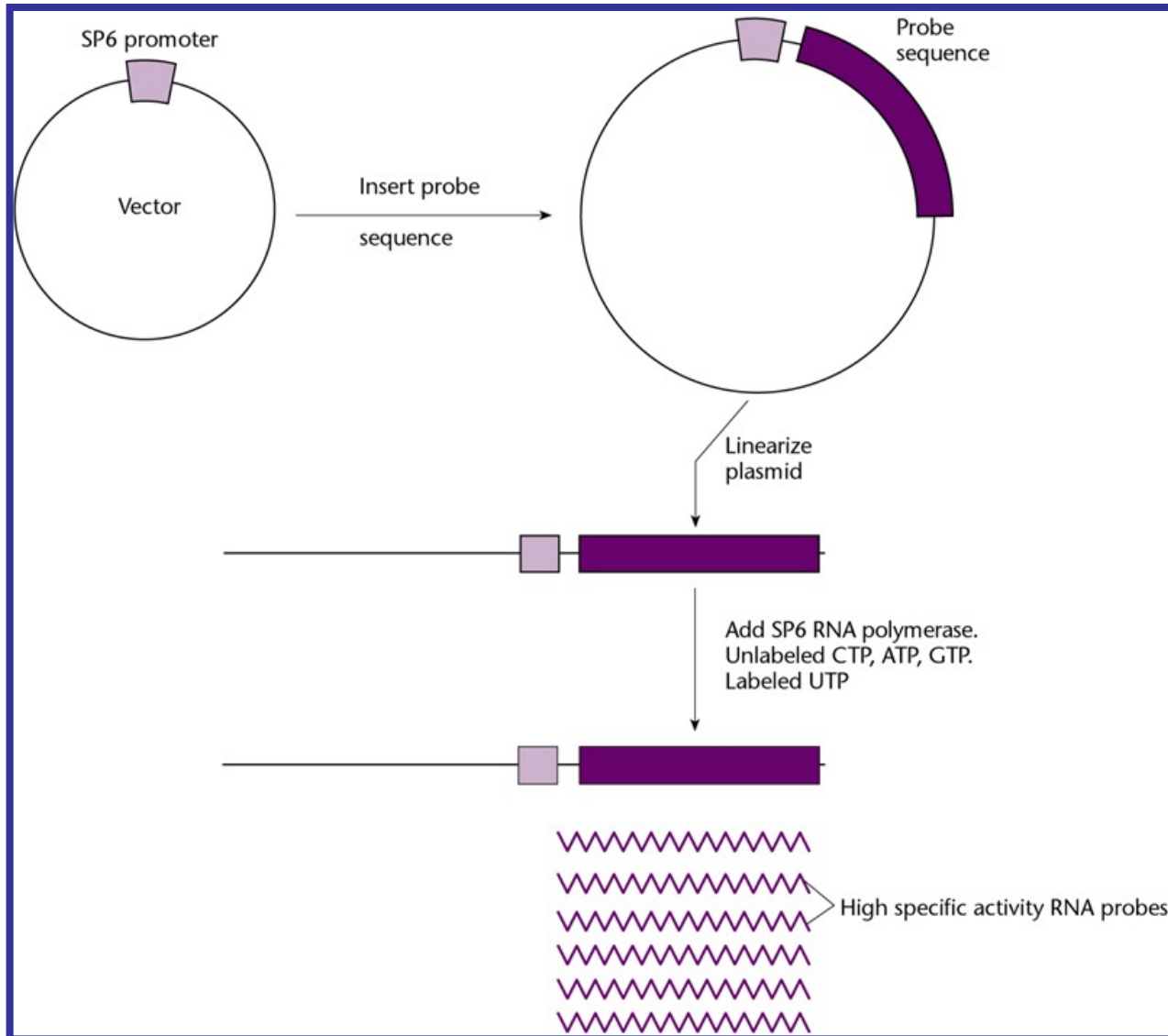


(b) Sintesi di RNA *in vitro*



pGEM3Z

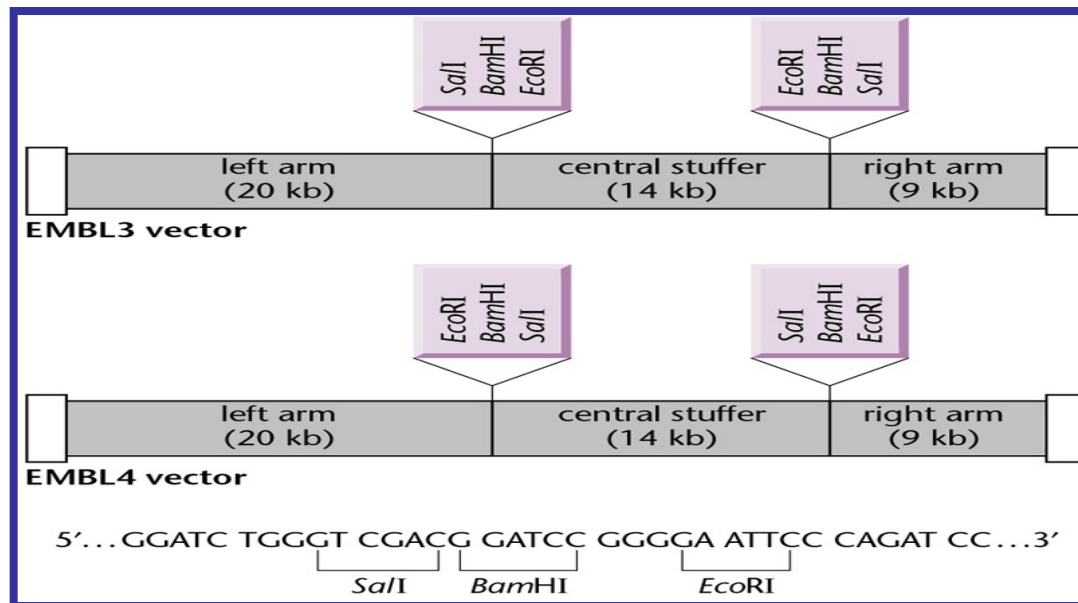
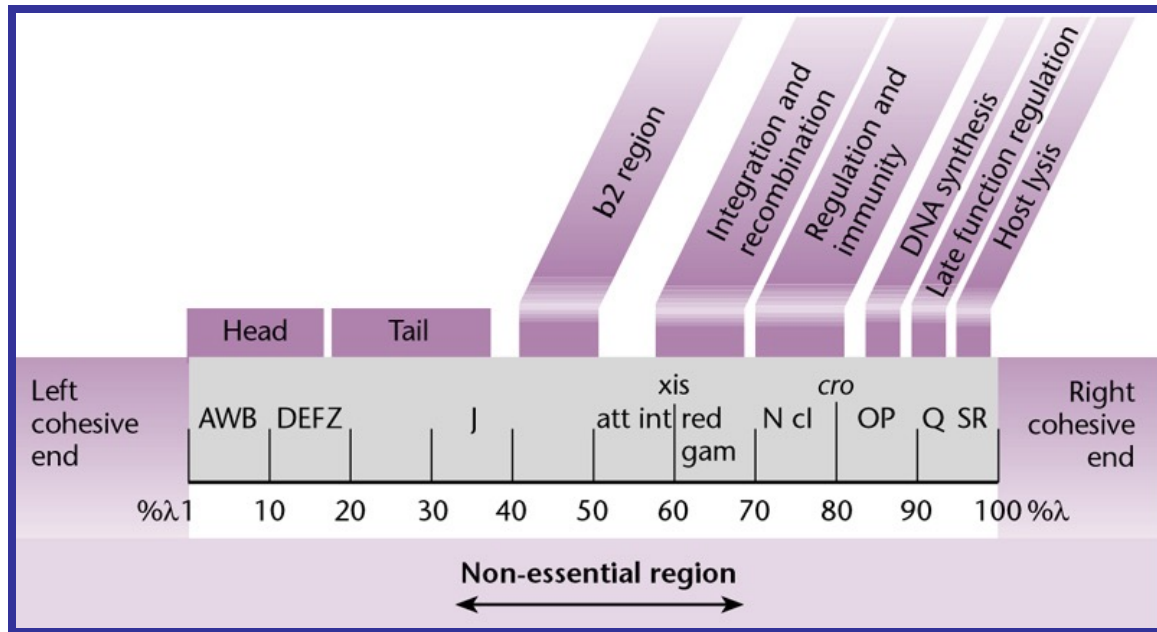
Vettori di Clonaggio: espressione, RNA



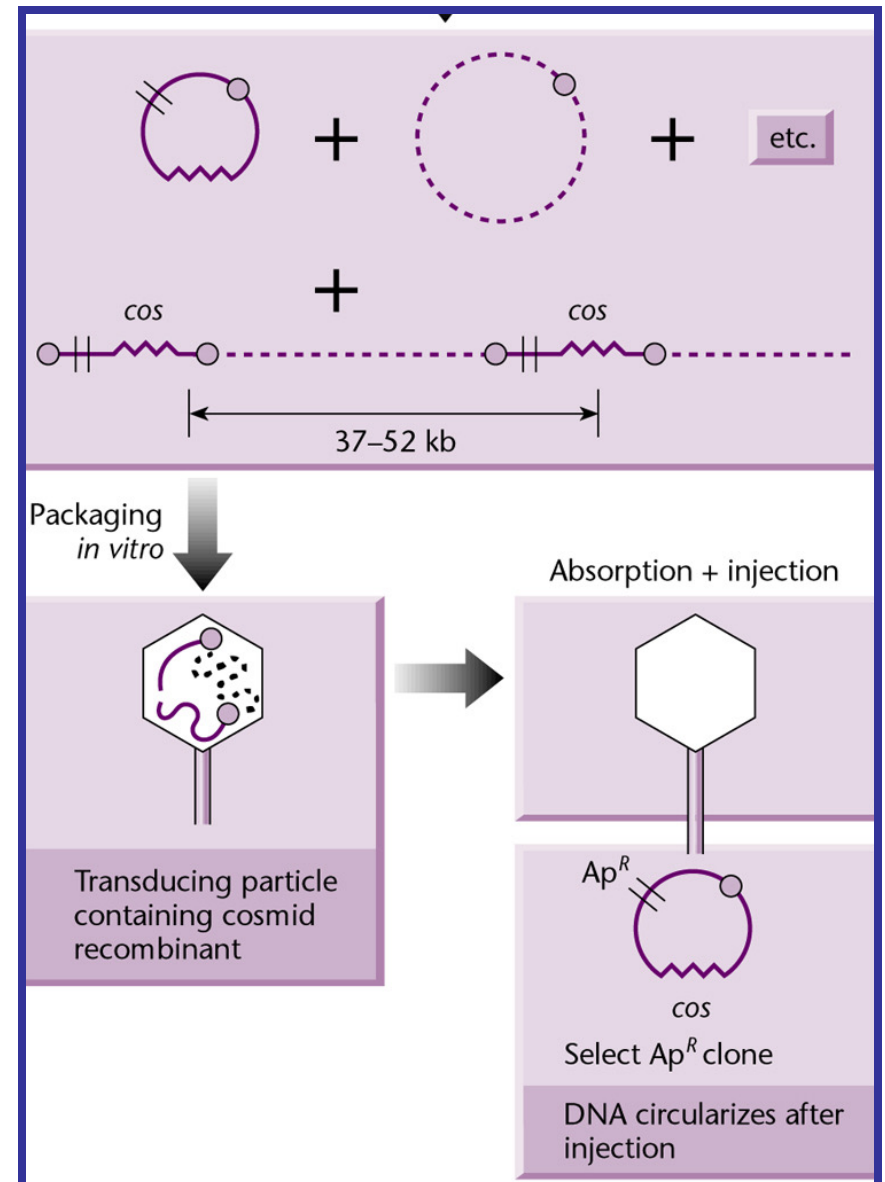
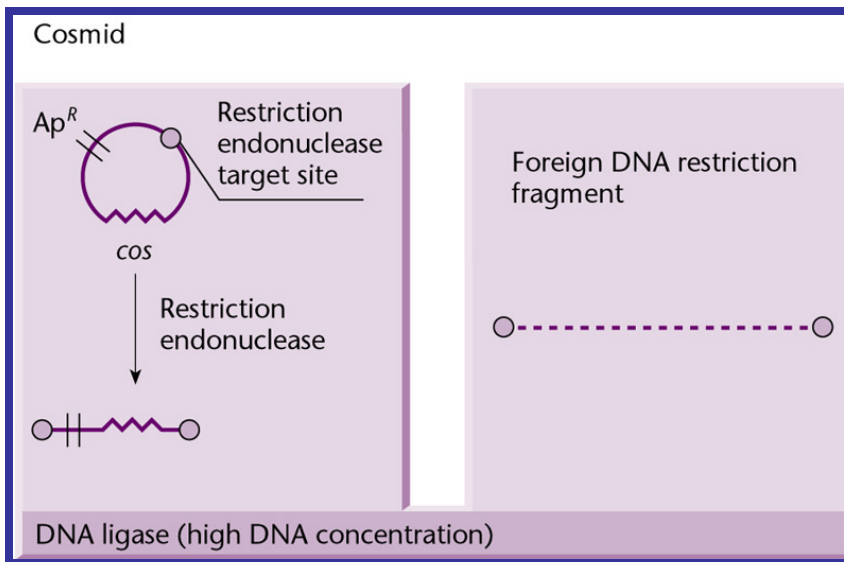
Vettori di Clonaggio: dimensione degli inserti

Plasmidi	10bp	-	10Kb
Fago λ	5Kb	-	25Kb
P1-EMBL	25Kb	-	60Kb
PAC-BAC	100Kb	-	300Kb
YAC	200Kb	-	2000Kb

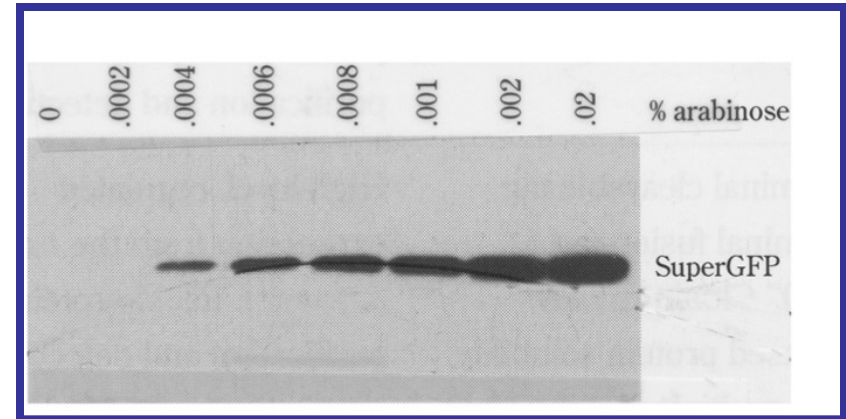
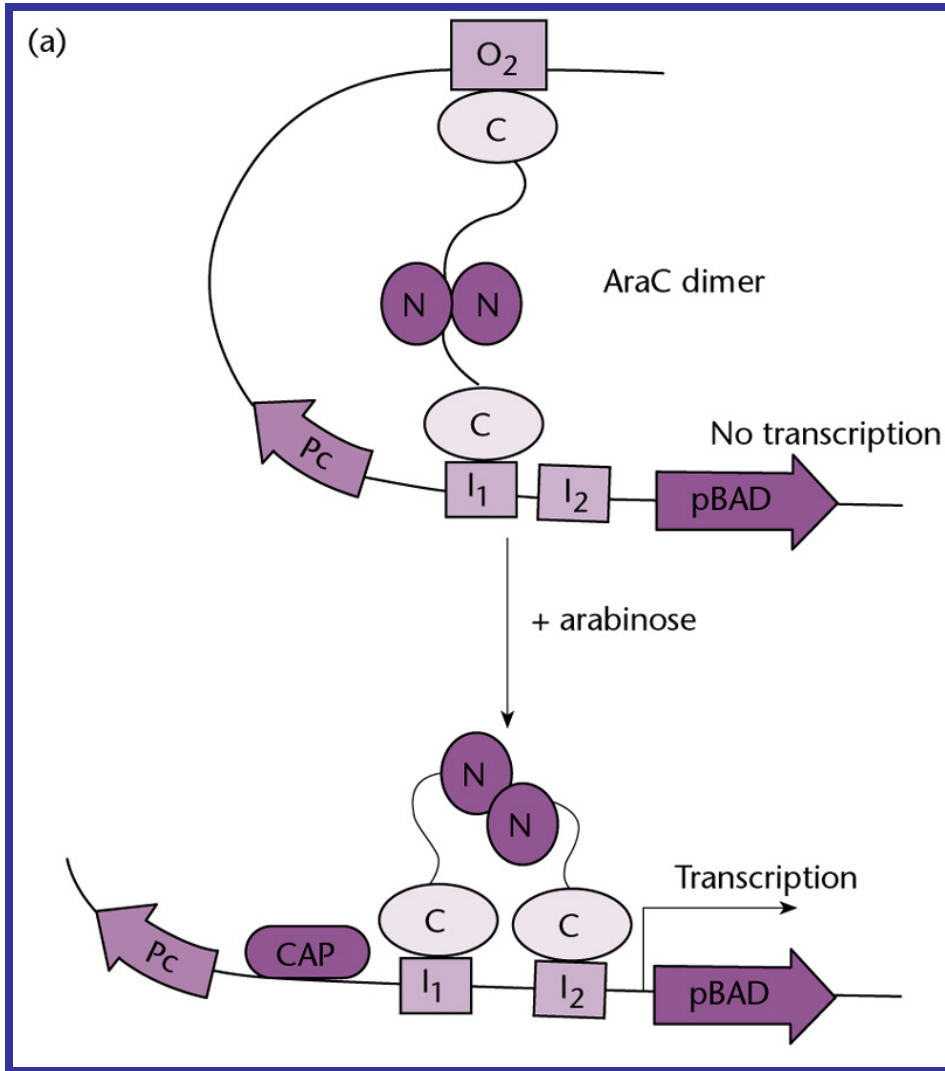
Vettori di Clonaggio: λ e derivati



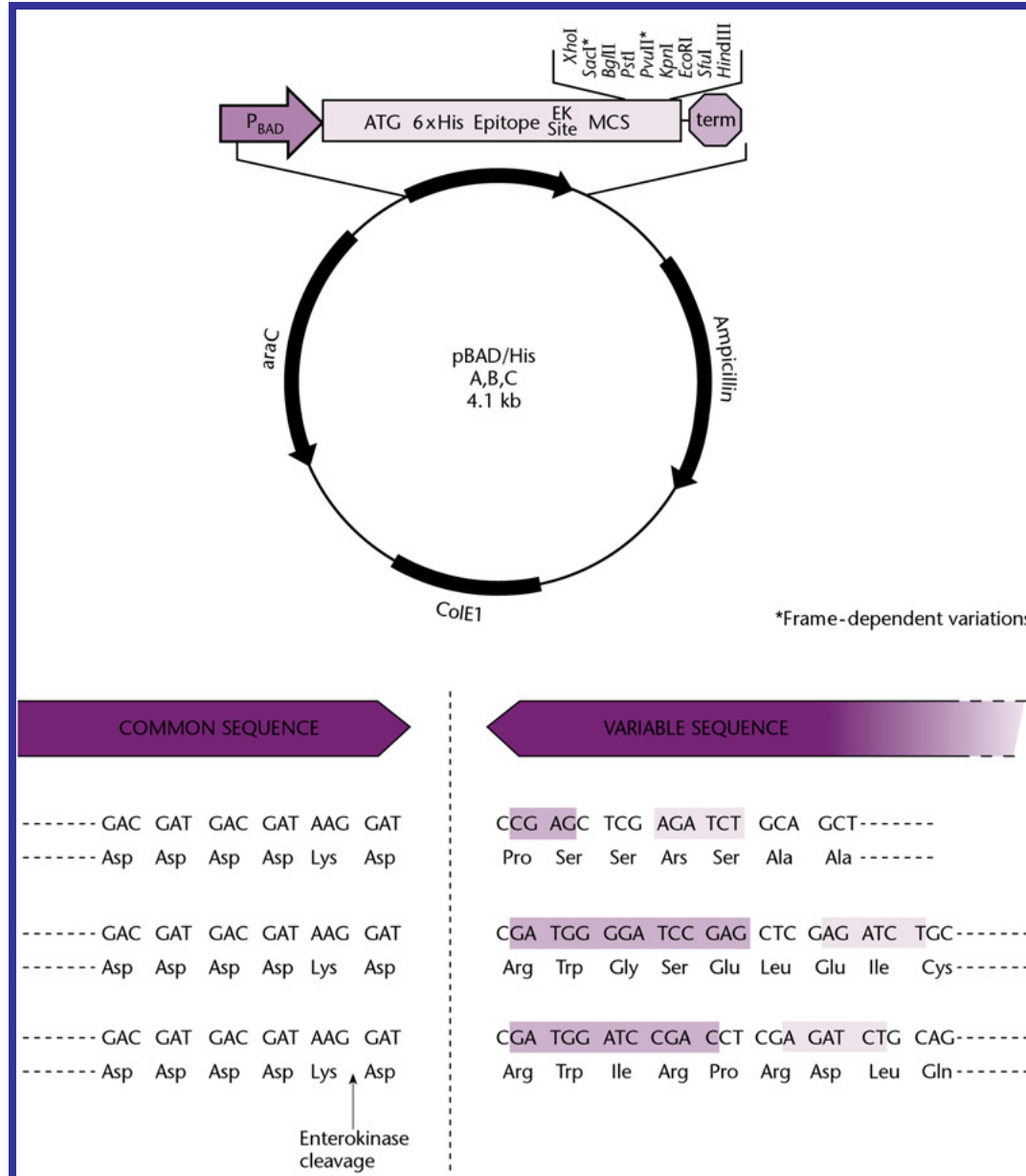
Vettori di Clonaggio: λ e derivati



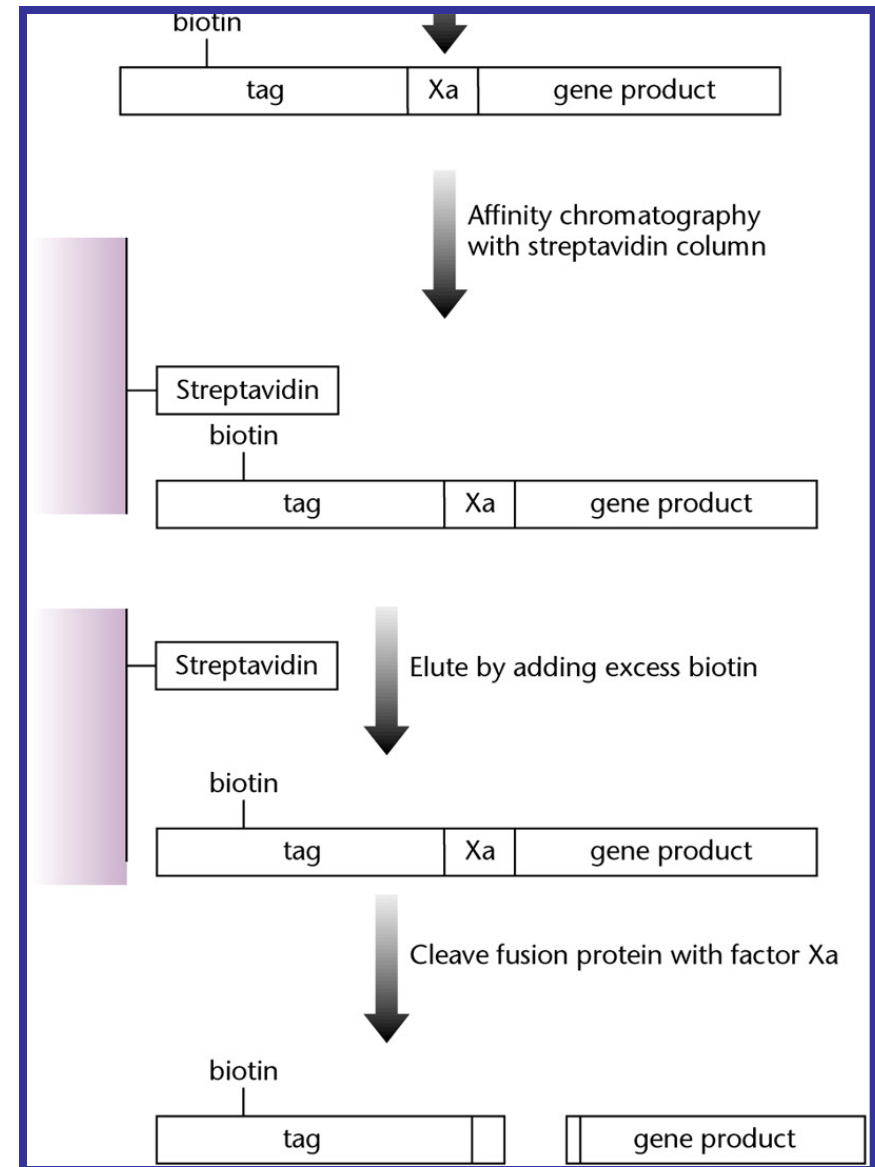
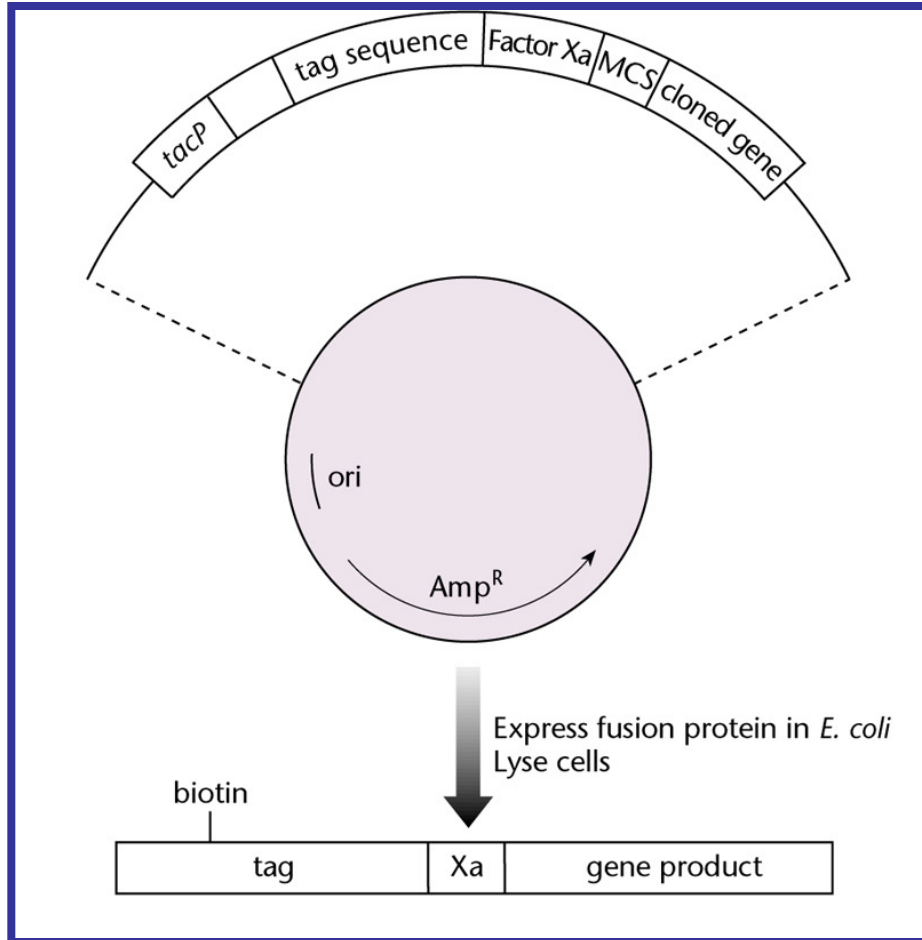
Vettori di Clonaggio: espressione, proteine



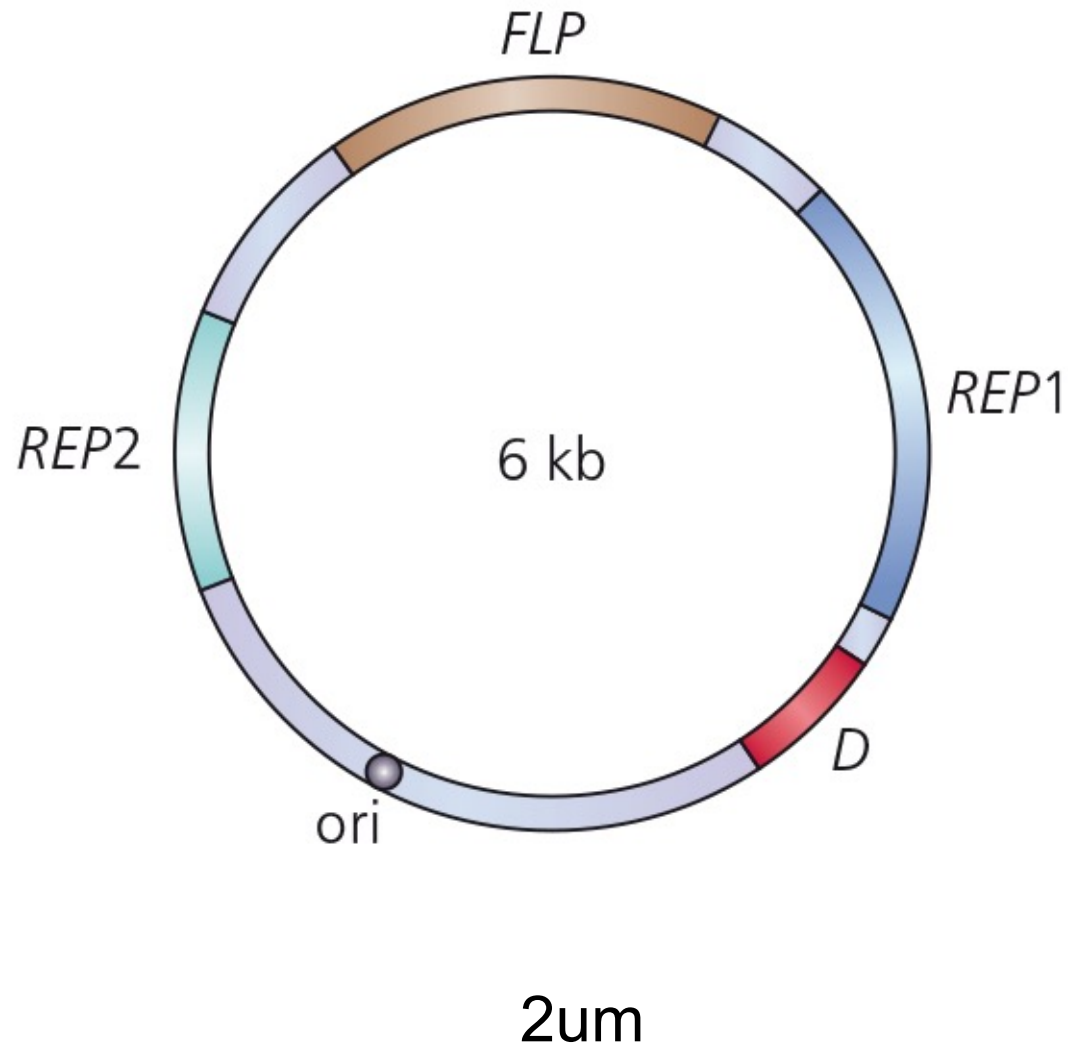
Vettori di Clonaggio: espressione, proteine



Vettori di Clonaggio: espressione, proteine

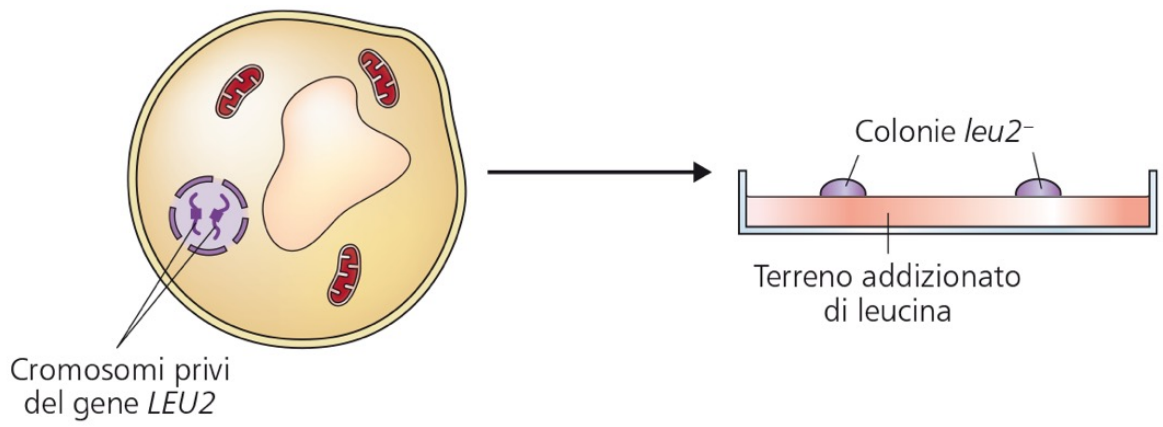


Vettori di Clonaggio per le cellule eucariotiche

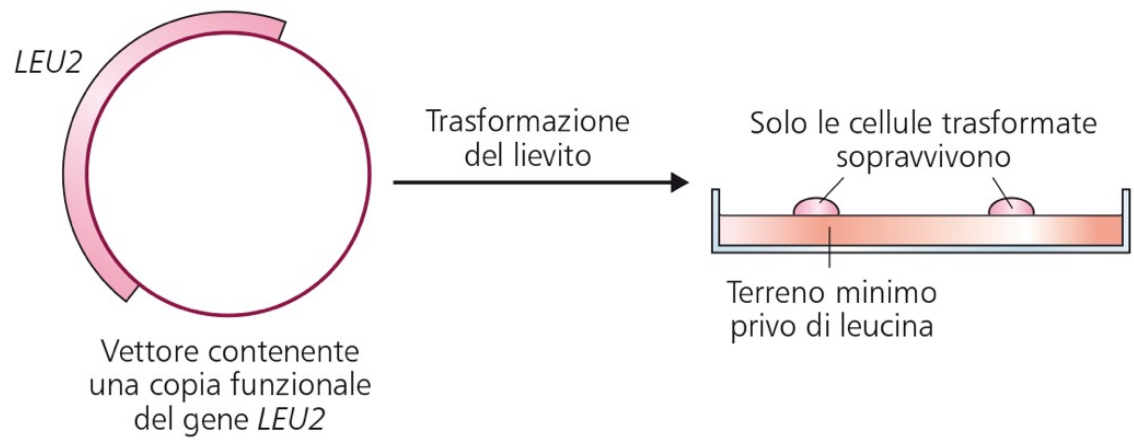


Vettori di Clonaggio per le cellule eucariotiche

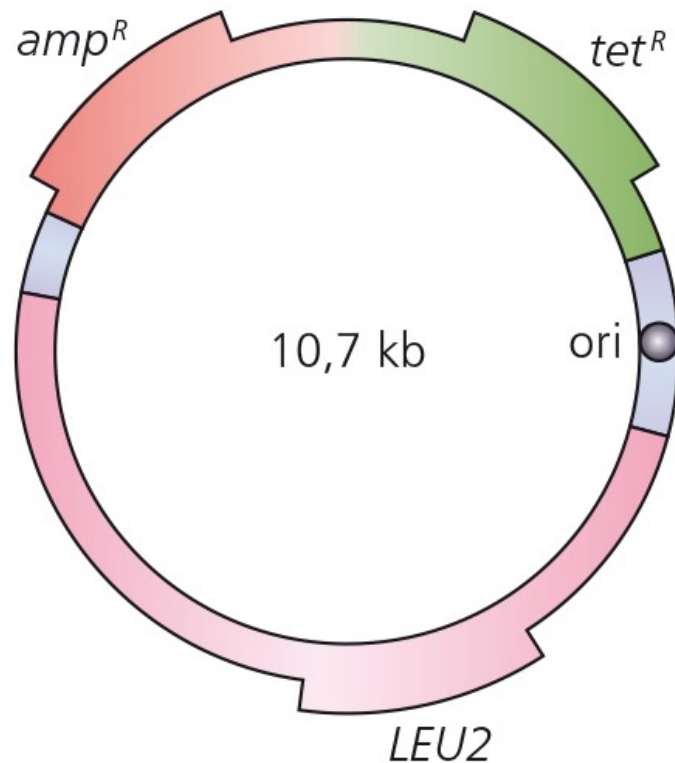
(a) Lievito *leu2⁻*






(b) Uso di *LEU2* come marcatore di selezione

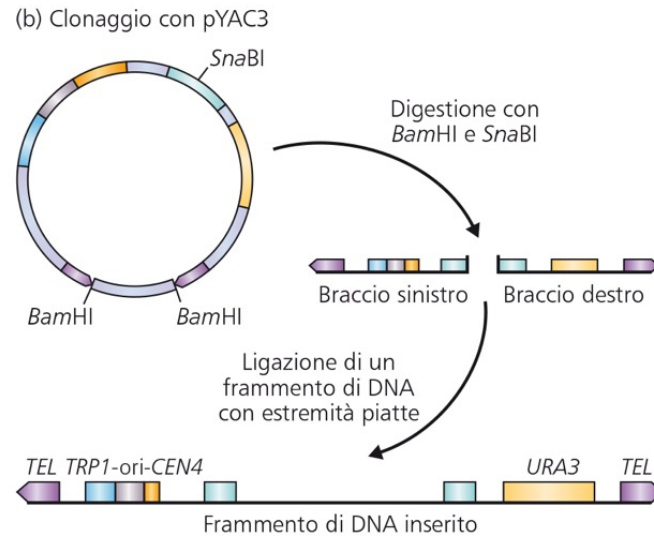
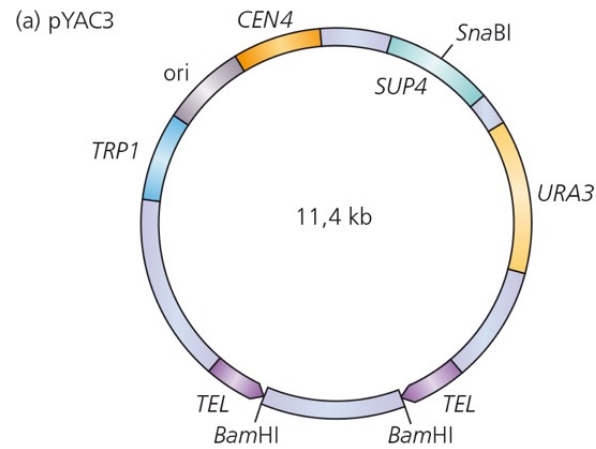


Vettori di Clonaggio per le cellule eucariotiche



-  DNA di pBR322
-  DNA del plasmide 2 μ m
-  DNA cromosomico di lievito

Vettori di Clonaggio per le cellule eucariotiche



YAC

Clonaggio molecolare

