**A**

1st Pregnancy

- **Virgin**: 
  - Duct: \( \text{ER}^+ \)

- **7 day pregnant**: 
  - Alveolus: \( \text{ER}^+ \)

- **14 day pregnant**: 
  - Lumen: \( \text{ER}^+ \)

- **Lactation**: 
  - Milk: \( \text{ER}^+ \)

2nd Pregnancy

- **Involuting**: 
  - Non PI-MEC derived: \( \text{ER}^+ \)

- **PI-MEC derived**: 
  - \( \text{ER}^+ \)

**B**

**Puberty**

- Luminal progenitor cell
- Stem cell

**Involuting**

- Hormone sensing cell
- PI-MEC
- Unlabeled alveolar progenitor cell
- Myoepithelial cell

**Pregnancy**

1. Cooperative outgrowth
2. Clonal outgrowth

- See Van Amerongen et al.