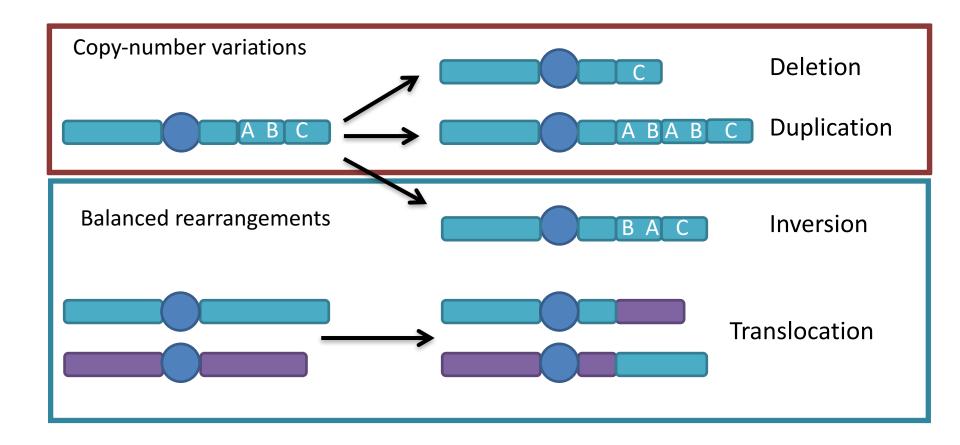
Somatic structural variation (in short)

Balanced versus unbalanced

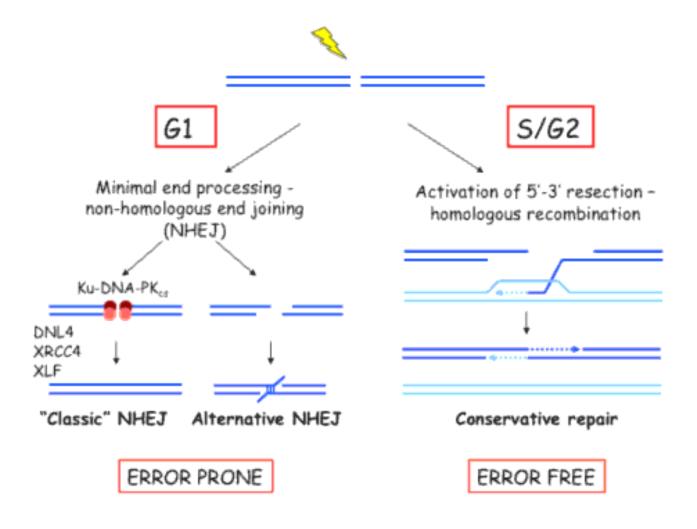


Repair mechanisms underlying SVs

- HR: homologous recombination
- NHEJ: non-homologous end joining

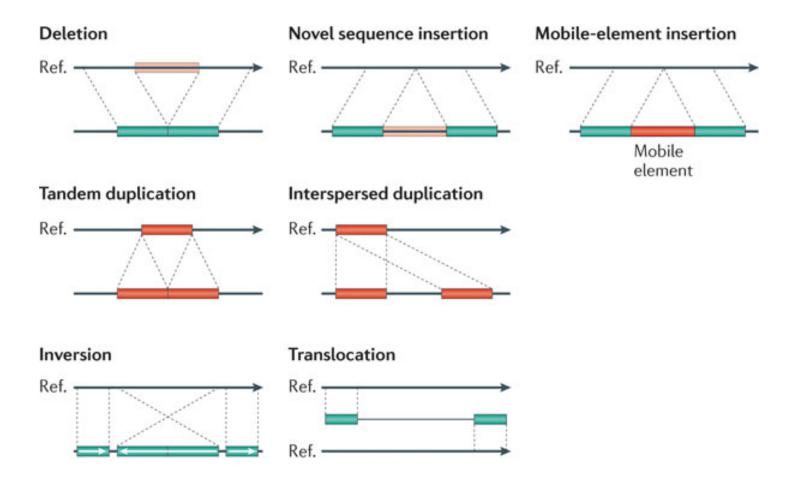
- NAHR: non-allelic homologous recombination
- MMEJ: microhomology-mediated end joining
- FoSTes: fork stalling and template switching
- MMBIR: microhomology-mediated breakinduced replication

Two mechanisms to repair DSBs



EXERCISE 1.1

Common types of structural variation



EXERCISE 1.2