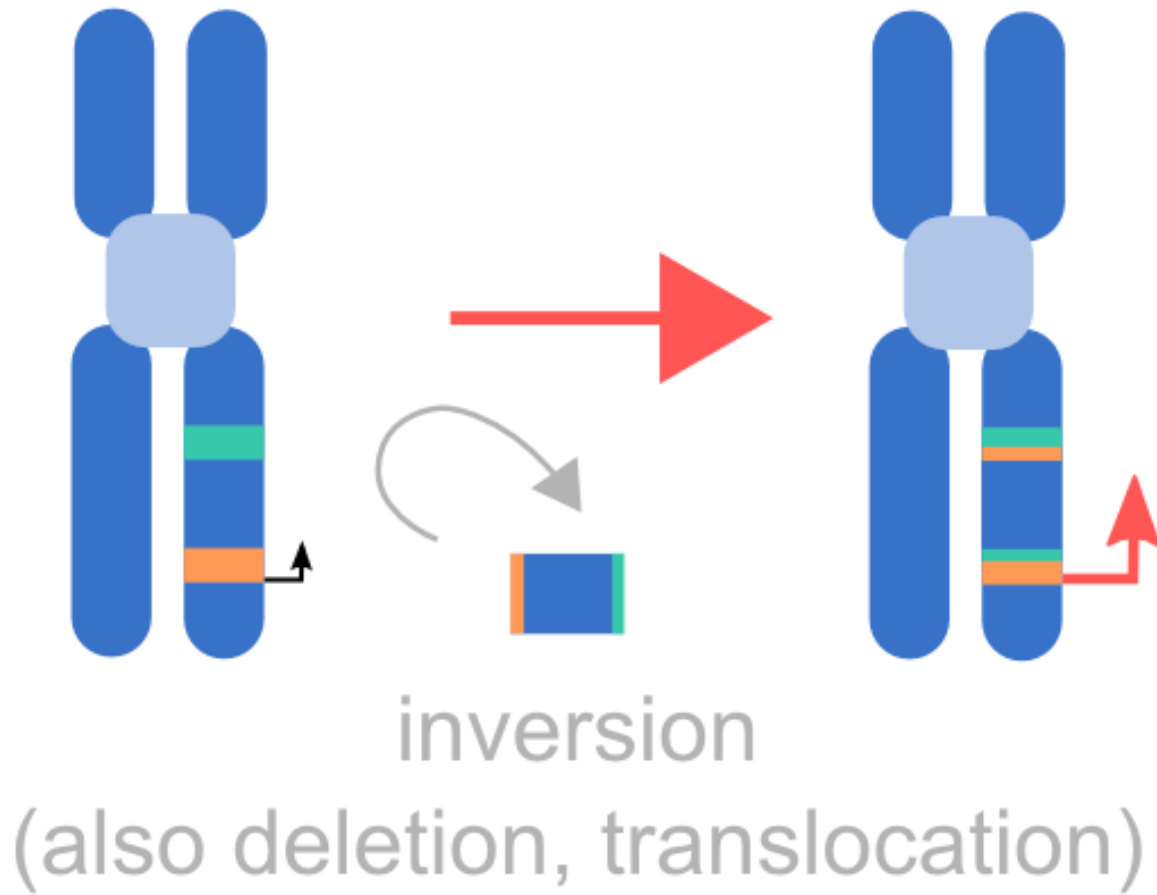
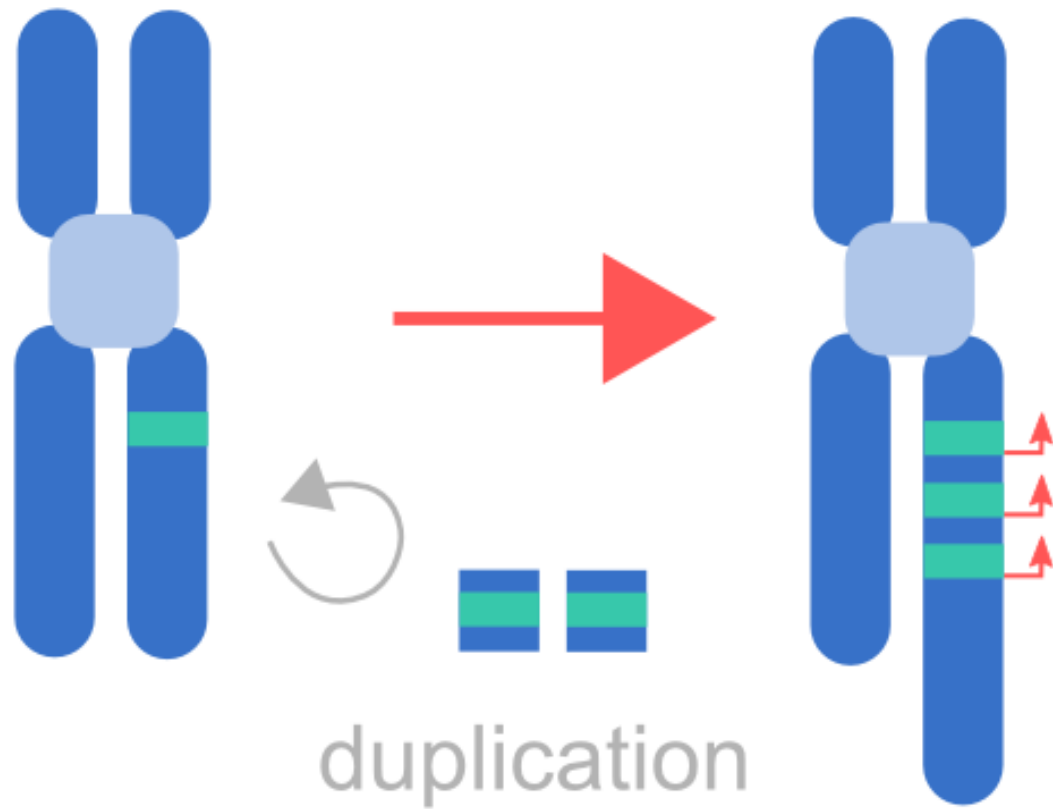


# **THE FUNCTIONAL CONSEQUENCES OF STRUCTURAL VARIATION**

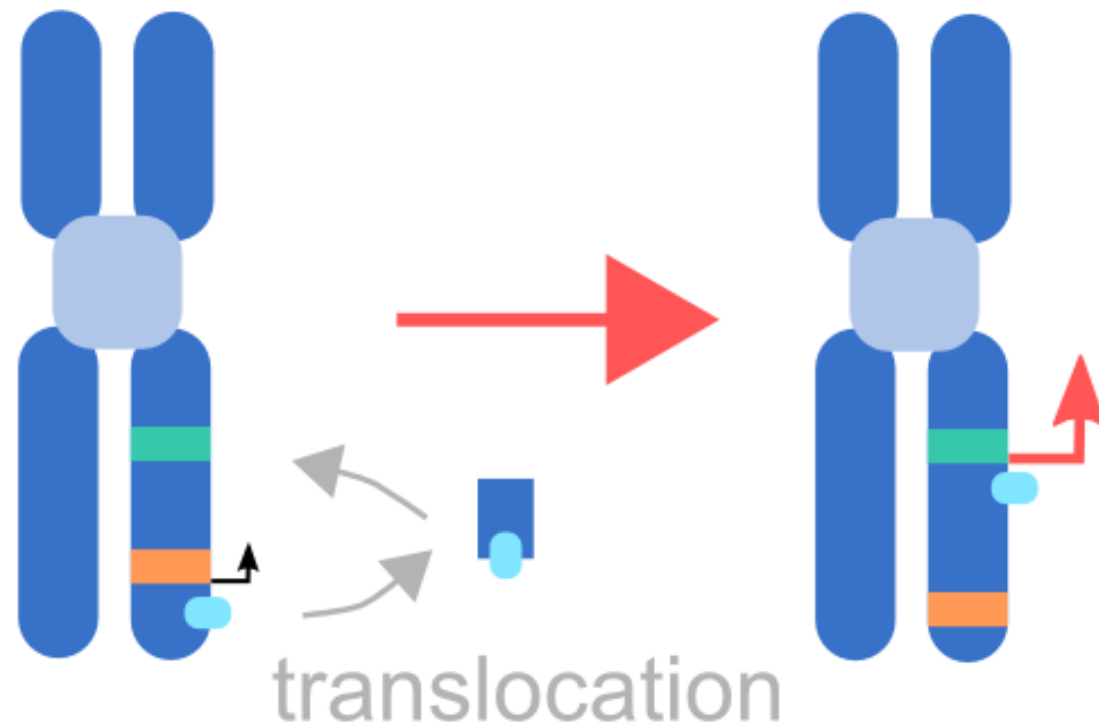
# Oncogenic fusion



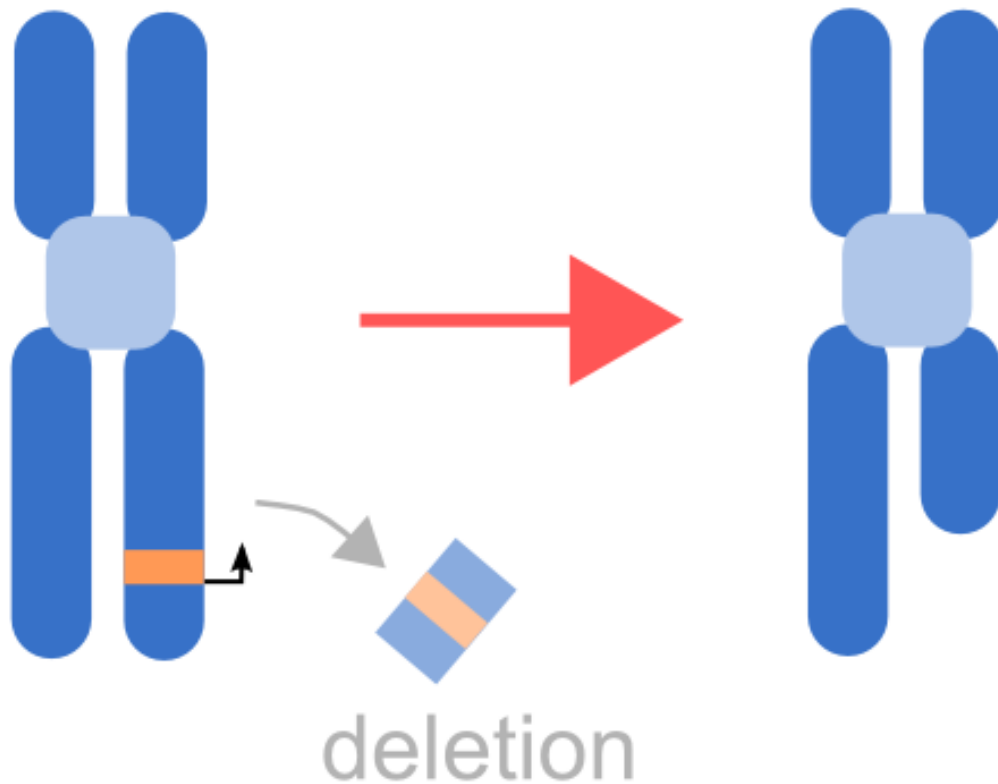
# Oncogene amplification



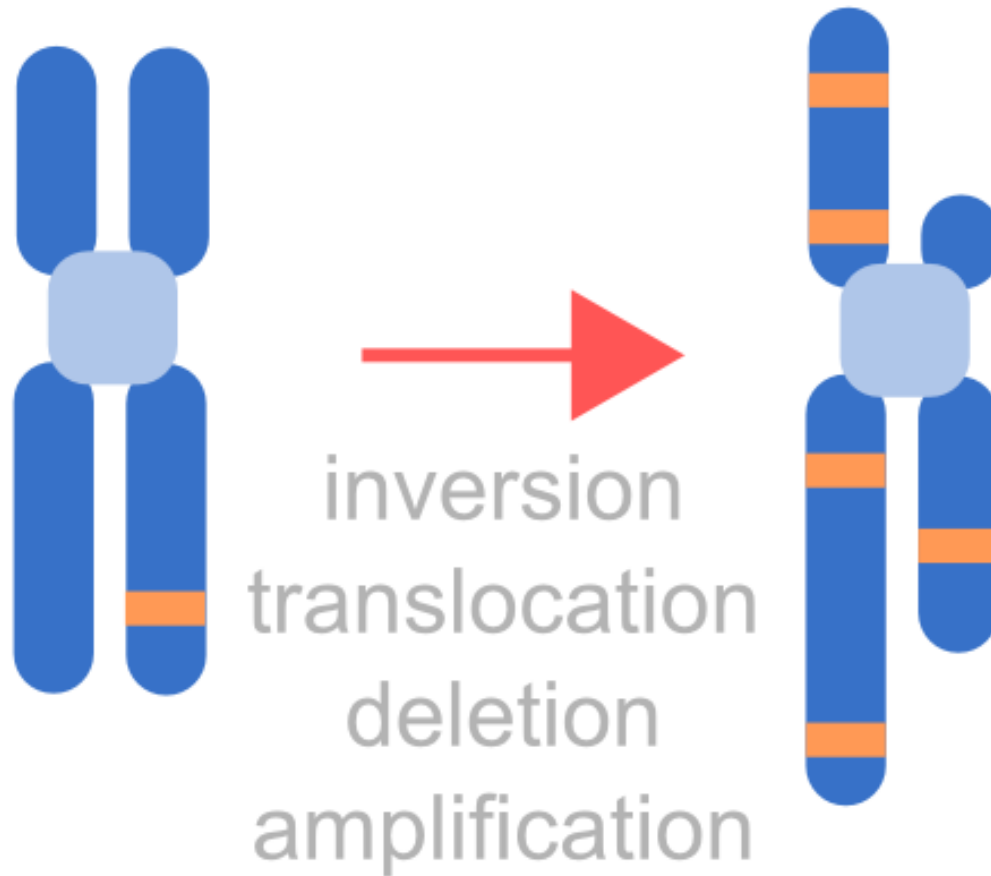
# Enhancer hijacking



# Tumour suppressor deletion



# Genomic instability



# Examples of methods for predicting function

- Oncogenic fusions: GRASS
- Amplification/deletion: GISTIC (multisample)
- Enhancer hijacking: ?
- Genomic instability: Complex Arm Aberration Index (CAAI) and Genomic Index (GI)

# **EXERCISE 4**