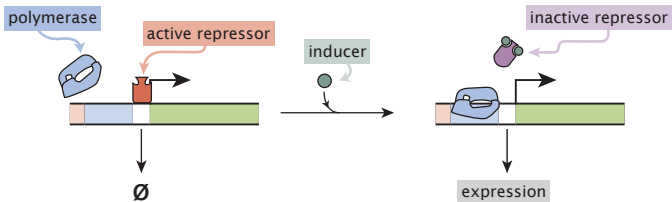


(A)

simple repression regulatory architecture



(B)

$$\text{fold-change} = \frac{\langle \text{Repressed State} \rangle}{\langle \text{Induced State} \rangle}$$

Diagram (B) shows the fold-change calculation, which is the ratio of the average expression in the repressed state to the average expression in the induced state:

$$\text{fold-change} = \frac{\langle \text{Repressed State} \rangle}{\langle \text{Induced State} \rangle}$$