Intermolecular interactions $A + B \rightleftharpoons AB$ DNA strands

(A) Differential scanning conformating

* composition (MA = MB) is flixed

** T is changed y= dT = 1.0 Ks-1

** K=300 pL

(B) Isothermal titration conformating

* T is fixed (25°C)

*** Composition is changed

*** V_s = 1 mL V_m = 10 pL N= 25 t_i = 90005

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$$\Delta P = (P_S - P_R) = KLT_S - T_R) + \Delta C - \delta$$

 $\Delta C = (C_S - C_R)$

Theat flux
$$\Delta P = P_R - P_S = 0$$
 $K \Delta T = - \mathcal{V} \Delta C$
 $\Delta C = - \mathcal{K} \Delta T = - \frac{\mathcal{K}}{\mathcal{K}} \Delta V$ contributing to the regard

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 $\Delta C = - \mathcal{K} \Delta T = 0$
 $\Delta P = \mathcal{K} \Delta C$
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 $\Delta C = \Delta P (AW) = \mu J/K$

A + 13
$$\rightleftharpoons$$
 AB

doubte stranded helix

Astranded

Constant

Cp = $\frac{\Delta Q}{\Delta T} = \frac{\Delta Q}{\Delta T} = \frac{\partial H}{\partial T}$

Cq = $\frac{\partial H}{\partial T}$

H = $\frac{M_{AB}}{\partial T}$ H_{AB} + $\frac{\partial H}{\partial T}$ H_B H_B.

H_A = H_B = 0

 $\frac{\partial H}{\partial T} = \frac{\partial H}{\partial T}$ H_{AB} $\frac{\partial H}{\partial T}$ H_{AB} $\frac{\partial H}{\partial T}$ O

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