



$$L(x = A) = [0.929 \cdot 1.0] \times [0.0238 \cdot 1.0] = 0.0221$$

$$L(x = C) = [0.0238 \cdot 1.0] \times [0.929 \cdot 1.0] = 0.0221$$

$$L(x = G) = [0.0238 \cdot 1.0] \times [0.0238 \cdot 1.0] = 0.000566$$

$$L(x = T) = [0.0238 \cdot 1.0] \times [0.0238 \cdot 1.0] = 0.000566$$

$$\text{Total } L(x) = 0.0453$$