

Erratum: An empirical analysis of training protocols for probabilistic gene finders

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Correction

The summands in equations (1)-(3) in the original paper (Majoros and Salzberg, 2004) should be logarithmic. The correct equations are given below.

$$\sum_{S_i \in T} \log P(S_i | q, d_i) \quad (1)$$

$$\hat{\theta} = \arg \max_{\theta} \left(\sum_{(S, \phi) \in T} \log P(\phi | S, \theta) \right) = \arg \max_{\theta} \left(\sum_{(S, \phi) \in T} \log \frac{P(S, \phi | \theta)}{P(S | \theta)} \right) \quad (2)$$

$$\hat{\theta} = \arg \max_{\theta} \left(\sum_{(S, \phi) \in T} \log \frac{\prod_{i=1}^{n-1} P_e(S_i | q_i, d_i) P_i(q_i | q_{i-1}) P_d(d_i | q_i)}{P(S | \theta)} \right) \quad (3)$$

References

Majoros, W.M. and Salzberg, S.L. (2004) An empirical analysis of training protocols for probabilistic gene finders. *BMC Bioinformatics* **5**, 206.