

Correction

Open Access

An empirical analysis of training protocols for probabilistic gene finders

William H Majoros* and Steven L Salzberg

Address: The Institute for Genomic Research, 9712 Medical Center Drive, Rockville, MD 20850, USA

Email: William H Majoros* - william.majoros@duke.edu; Steven L Salzberg - salzberg@umiacs.umd.edu

* Corresponding author

Published: 01 August 2005

Received: 01 August 2005

BMC Bioinformatics 2005, **6**:193 doi:10.1186/1471-2105-6-193

Accepted: 01 August 2005

This article is available from: <http://www.biomedcentral.com/1471-2105/6/193>

© 2005 Majoros and Salzberg; licensee BioMed Central Ltd.

This is an Open Access article distributed under the terms of the Creative Commons Attribution License (<http://creativecommons.org/licenses/by/2.0>), which permits unrestricted use, distribution, and reproduction in any medium, provided the original work is properly cited.

The summands in Equations (1)–(3) in the original paper [1] should be logarithmic. The corrected equations are given below.

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

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

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

Any references to these equations appearing in the text should be modified accordingly.

References

1. Majoros WM, Salzberg SL: **An empirical analysis of training protocols for probabilistic gene finders.** *BMC Bioinformatics* 2004, **5**:206.