



Erratum

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Erratum

Genome Research 18: 1314–1324 (2008)

Inferring causal relationships among different histone modifications and gene expression

Hong Yu, Shanshan Zhu, Bing Zhou, Huiling Xue, and Jing-Dong J. Han

The description of Bayesian network inference in the Methods section was inaccurate and only restricted to a special case where each node has at most one parent. In this model, the equation relating the score of a certain network structure to the total weight of all its edges (p. 1322) should be:

$$\sum_{i=1}^n \log s(x_i | \pi_i) = \sum_{i=1}^n w(x_i, \pi_i) + \sum_{i=1}^n \log s(x_i | \Phi).$$

Compelled edges exist only in general models, and finding the maximal score is NP-hard.

The authors apologize for any confusion this may have caused.