

# Erratum

## Computing the $P$ -value of the information content from an alignment of multiple sequences

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### The following formula was published in the penultimate paragraph of the third page of the above paper:

An improvement to the runtime of the algorithm can be obtained by noting that, for small values of  $n$ , the number of non-zero lattice points in the intermediate stages of the calculation is small, which allows one to employ a list-based data structure to reduce the runtime to  $O(AM'n \log(n))$ , where  $M'$  is significantly smaller than  $M$  in practice ( $<10$  for the parameters in Table 1).

### It should read as follows:

An improvement to the runtime of the algorithm can be obtained by noting that, for small values of  $n$ , the number of non-zero lattice points in the intermediate stages of the calculation is small, which allows one to employ a list-based data structure to reduce the runtime to  $O(AM'n^2)$ , where  $M'$  is significantly smaller than  $M$  in practice ( $<10$  for the parameters in Table 1).

The first author wishes to apologise for this error.