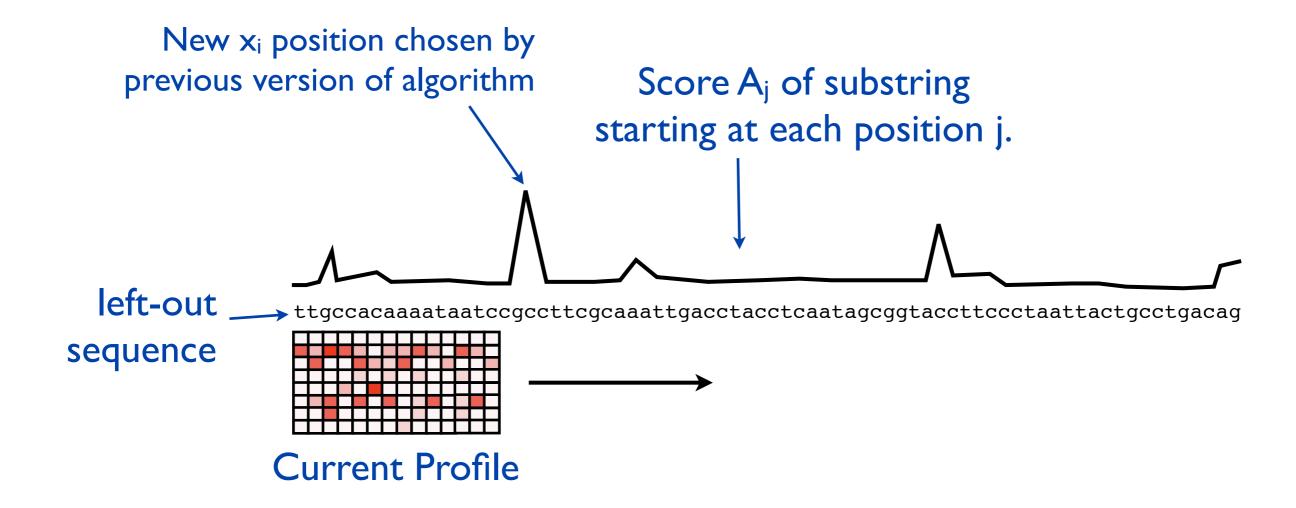
Profile Probability Distribution



Instead of choosing the position with the best match, choose a position randomly such that:

Probability of choosing position
$$j = \frac{A_j}{\sum_i A_i}$$

(Lawrence, et al., Science, 1994)