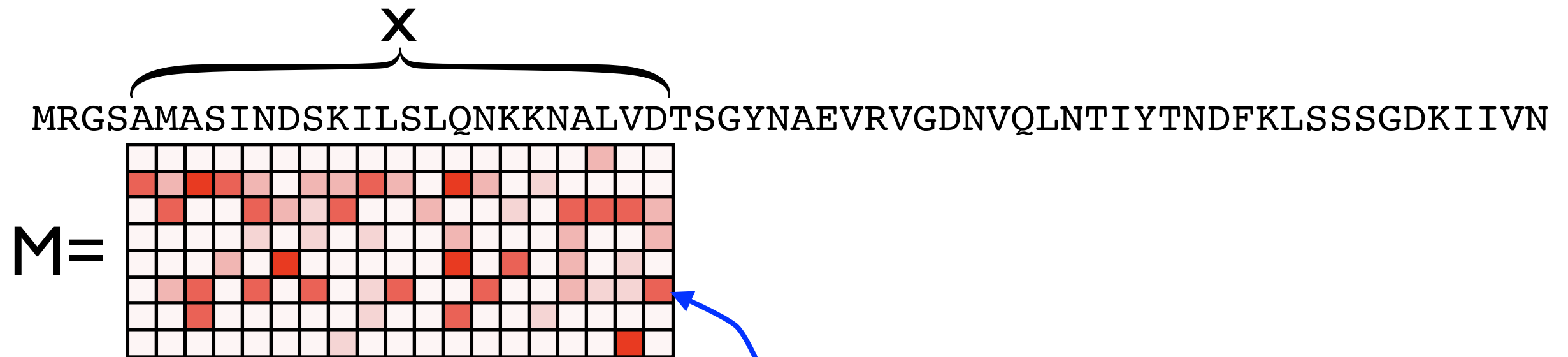


Scoring a Sequence



Color \approx Probability that the i^{th} position has the given amino acid $= e_i(x)$.

$$\text{Score}(x) = \Pr(x \mid M) = \prod_{i=1}^L e_i(x_i)$$

Score of a string according to profile M =
Product of the probabilities you would
observe the given letters.