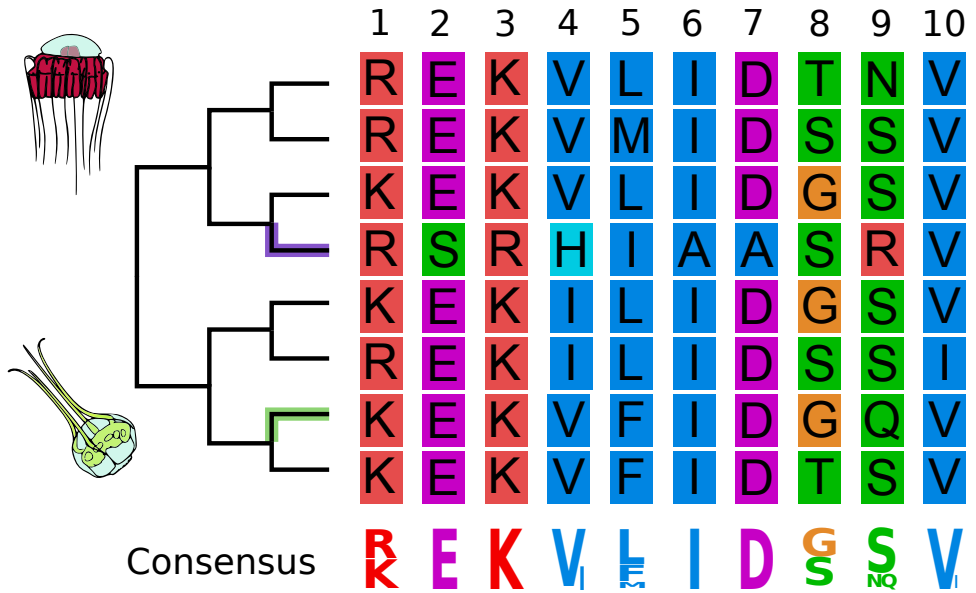


Consider a hypothetical alignment of a conserved protein, but one taxa may have errors.



Real alignments alternate between constant and variable sites every few amino acids. This feature is used to set the penalty threshold.

The penalty is counted as a running total of rarity of an amino acid at some position. If this passes a threshold, then the species is flagged for that protein.

