GUCUUCGGCAC yeast fly **GCCUUCGGAGC GCAUUCGUCGC** COW **GCUUUCGAUGC** mouse **GCGUUCGCUGC** human chicken **GUAUUCGUAAC GUGUUCGCGAC** snake **GUUUUCGAGAC** croc **GCGUUCGCGGC** worm

One HMM node per alignment column

3 states per node:

(M) Match: emits residues

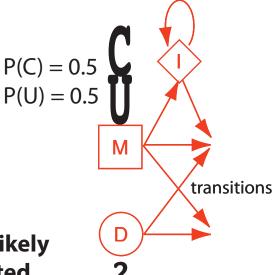
(I) Insert: inserts extra

residues

(D) Delete: deletes residues

HMMs generate homologous sequences.

Node for column 2:



Given a sequence, the most likely path that could have generated that sequence can be computed.

