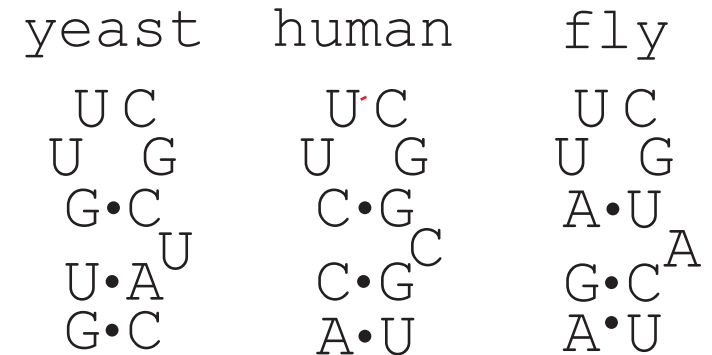


o Each column is independent

o Maximum information is
2 bits per position, if column
is 100% conserved.

$$\log_2 (4/1) = 2 \text{ bits}$$



yeast	GUGUUCGCUAC
human	ACCUUCGGCGU
fly	AGAUUCGUACU
fish	GAUUUCGAUUC
orc	AACUUCGGAUU
frog	AGGUUCGCGCU
worm	GCUUUCGAGGC
mouse	GUAUUCGUCAC



sequence profile:
10 bits