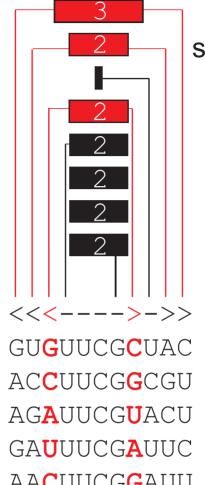
- o Base-paired columns are not independent.
- o Many RNAs exhibit compensatory mutations to maintain base-pairing.
- o Maximum *extra* info: 2 bit per base pair

$$log_2 (16/4) = 2 bits$$

o this occurs in red columns, that have 4 of possible 16 bps: GC, CG, AU, UA

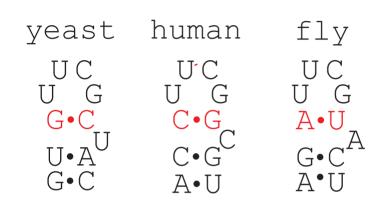




AACUUCGGAUU AGGUUCGCGCU GCUUUCGAGGC GUAUUCGUCAC



sequence + structure profile: 15 bits



sequence profile: 10 bits