1 Genomic DNA

ccggtcgcccccacgtcgtccatgatgatgtgtcgggagtaccggtccagctgtgtcgcgtccaactccagcccgctcatgtggcggcttgggtggaccgcggcaaaag

2 Genomic DNA -> RNA [transcription]

ccggtcgcccccacgtcgtccatgatgatgtgtcgggagtaccggtccagctgtgtcgcgtccaactccagcccgctcatgtggcggcttgggtggaccgcggcaaaag

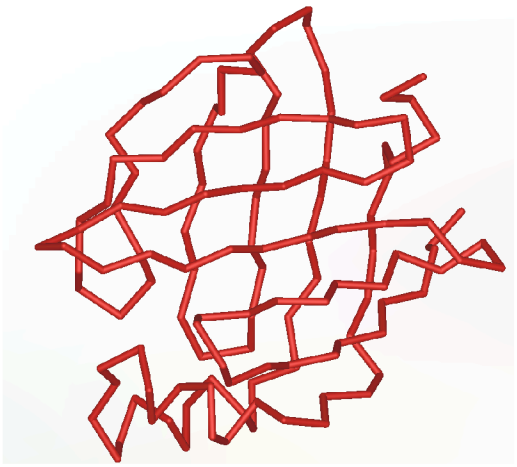
A->U G->C RNA
T->A C->G polymerase

3 RNA -> protein [translation]

TTT,TTC -> Phe (F); TTA,TTG-> Leu (L);
TCC,TCA, TCG,TCT -> Ser (S);
TGC,TGT -> Cys (C) ; etc...

Ribosome

KMVLFVYGYCDQRDCFYCPLGENRKNVQQVYANERPVEDDEDIISEAKLMDALGTSITGGEPQEVLDRTCRYLRLLKDEFGEDHHTHLYTGITGGRENMRR

4 protein -> folded protein [protein-folding]

Spontaneous and Chaperonins