Supporting Figure 1A. Nuclease-resistant sequence from a Murray Valley Encephalitis virus 3’ UTR.
Supporting Figure 1B.
Supporting Figure 1C. Twister ribozyme from *Oryza sativa*.

Supporting Figure 1. Native structures from (A) nuclease-resistant sequence from a Murray Valley Encephalitis virus 3’ UTR (PDB 4PQV), (B) *D. radiodurans* SRP hairpin domain (PDB 2XXA), and (C) twister ribozyme from *Oryza sativa* (PDB 4OIJ). Base pairs are drawn with black lines for canonical pairs and red lines for non-canonical pairs. Base pairs were found from the coordinates using 3DNA-DSSR version 1.1.2, all cis-Watson-Watson pairs are called canonical.