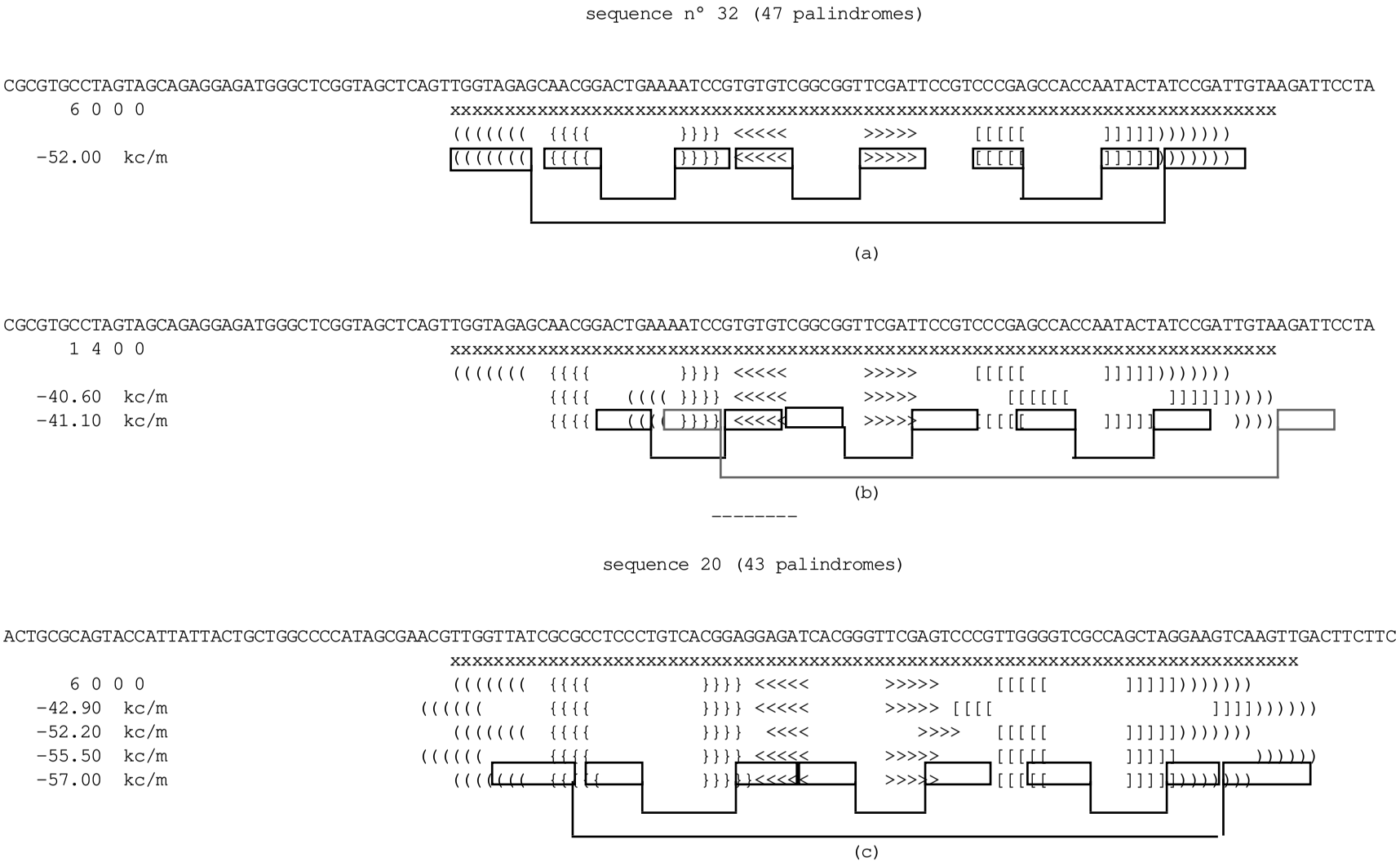

Figure 11. Results concerning the tRNA experiment. Occurrences of the repeated structural patterns coded **6 0 0 0** (corresponding to the cloverleaf of the tRNA) and **1 4 0 0** on two (among 156) sequences, each one containing a tRNA. The first line of each example (a) (b) (c) is the sequence, the "x" on the second line point out the nucleotides of the tRNA, the third line gives the theoretical structure of the tRNA. each group of "(" or "{" or "<" or "[" represent a head of a given palindrome, and each group of ")" or "}" or ">" or "]" the corresponding tail. Other line describe occurences of the repeated structural pattern **6 0 0 0** (and **1 4 0 0**). The free energy of an

occurence is given on the left, followed by its structural description. One can observe in (a) and (b) the occurences of the repeated structural patterns coded **6 0 0 0** and **1 4 0 0** on the same sequence (n° 32) containing 47 palindromes. We see in (b) that the occurence of the repeated structural pattern **1 4 0 0** is made of 3 palindromes belonging to the tRNA structure (this explains its high plausibility). We see in (c) another occurrence of the tRNA in the sequence n° 20