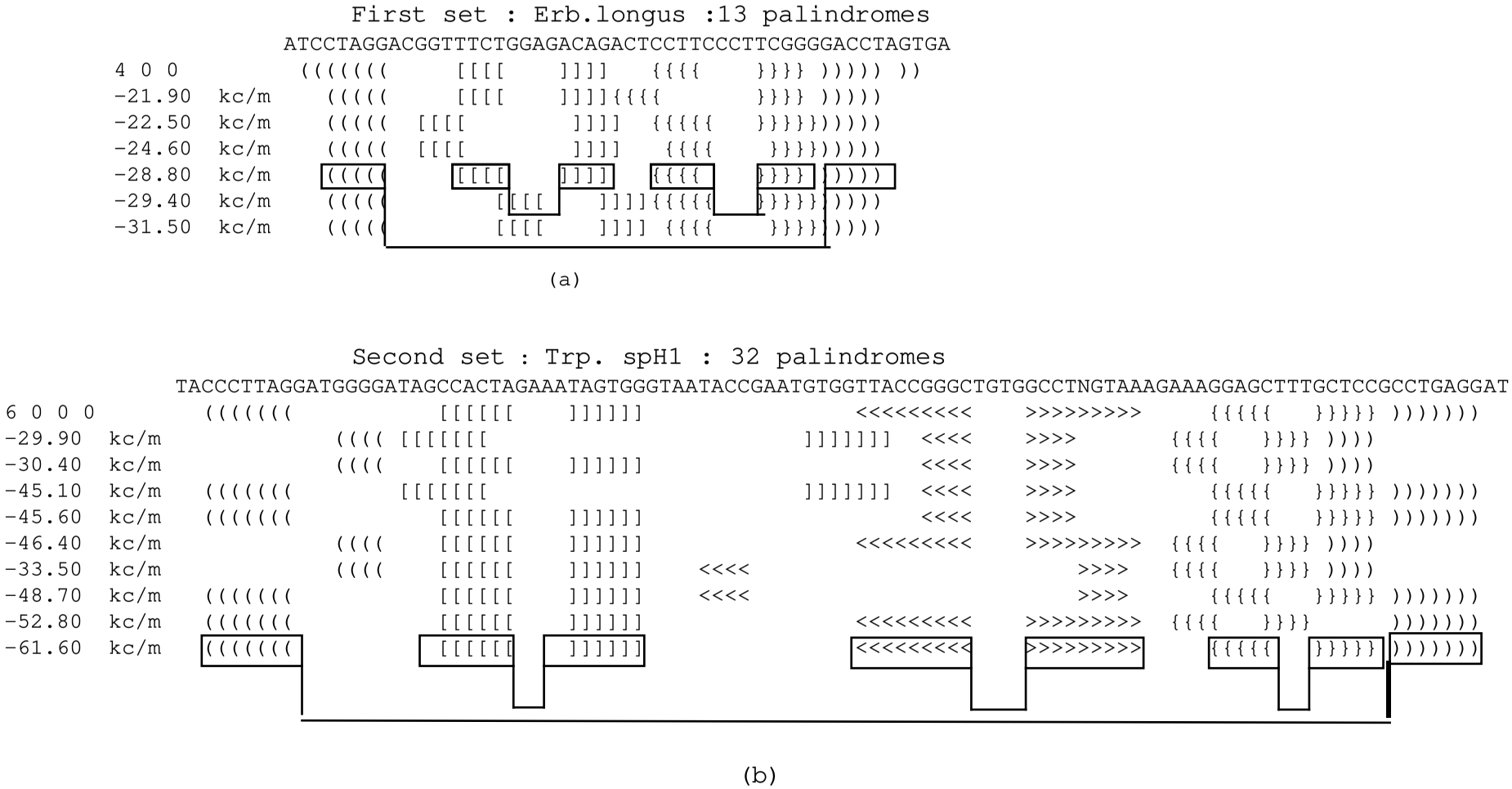

Figure 13. Results concerning the 16S rRNA sequences. (a) Occurence of the repeated structural pattern **4 0 0** on a sequence of the first set of fragment of 16S rRNA. The first line (marked 400) gives the intended shape, the corresponding occurrence is that of the fifth line displaying one of the best free energies (note that the first palindrome is not complete because we do not consider bulges). (b) Occurrences of the repeated structural pattern **6 0 0 0** on a sequence of the second set of fragment of 16S rRNA.The first line (marked 6000) gives the intended shape, the corresponding occurence is on the last line and displays the best free energy. We can see that this sequence contains several occurences of the structure, but often occurences differs by the position of one or two palindromes.