

## **Reviewer**

The manuscript is scientifically sound and well written. Besides, it also provides a good tool for a rapid identification of structural and /or functional RNA elements in genomes and transcriptomes. SF2 algorithm requires less time than SF1 and its speed is greater when compared to SF1. Additionally, SF2 predicts more pairs than SF1. Thus, SF2 produces effectively indistinguishable results than SF1 in a fraction of the time.

The following minor corrections should be considered.

Line 74, MFE should be in full to allow reader know what it stands for, then the MFE in parenthesis. Like what you did in line 104 with Rectified Linear Unit (ReLU)

Line 133 ROC should be in full and the abbreviation in parenthesis (ROC) or make it full in line 132.

NB: In a manuscript the first abbreviation must be in full. This will allow readers know what it means.

Lines 279, 283, Bertamini et al 2002a and 2005b. The letters must be deleted. It is only used when the first author publishes articles in the same year. Check also with Cosgrove et al., 2005a and 2015b. However, use it Only if it is the journal requirement