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G4RNA screener web server: User focused interface for RNA G-quadruplex prediction

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**ABSTRACT**

Though RNA G-quadruplexes became a focus of study over a decade ago, the main challenge associated with the identification of new potential G-quadruplexes remains a bottleneck step. It slows the study of these non-canonical structures in nucleic acids, and thus the understanding of their significance. The G4RNA screener is an accurate tool for the prediction of RNA G-quadruplexes but its deployment has brought to light an issue with its accessibility to G-quadruplex experts and biologists. G4RNA screener web server is a platform that provides a much needed interface to manage the input, parameters and result display of the main command-line ready tool. It is accessible at [http://scottgroup.med.usherbrooke.ca/G4RNA\\_screener/](http://scottgroup.med.usherbrooke.ca/G4RNA_screener/).

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