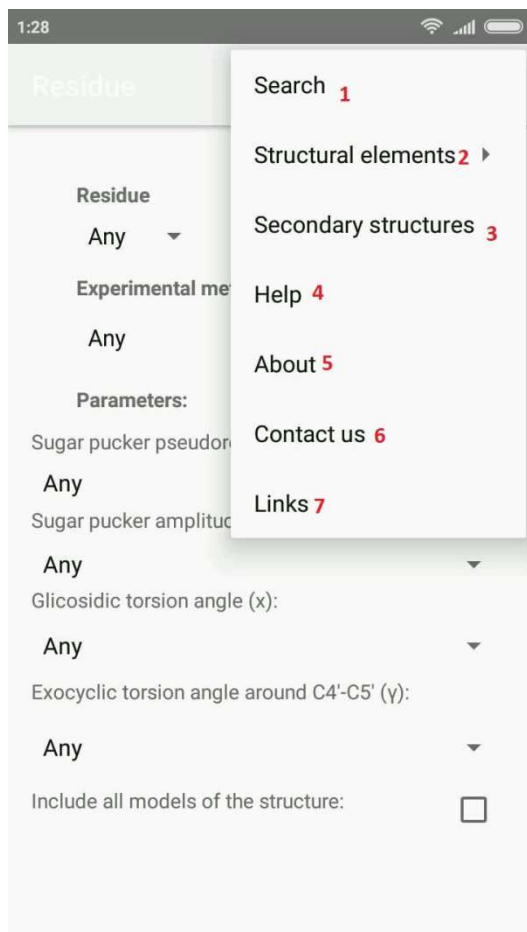


Interface RNA Frabase Instruction Manual

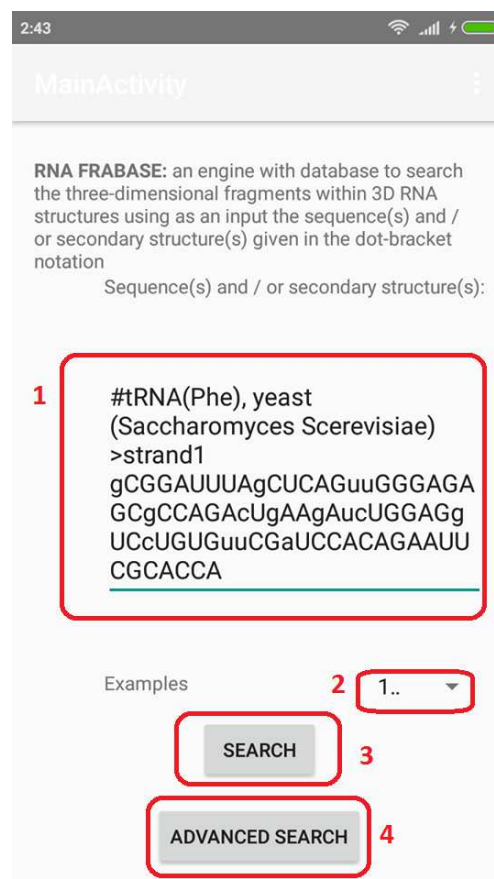


Menu:

- 1- Search – moves to Search Activity (I.)
- 2- Structural elements – Opens a submenu of structural elements(II).
- 3- Secondary Structures – Displays a complete list of secondary structures.
- 4- Help – Displays helpful information about the application and how to operate it
- 5- About – Displays other information about the app
- 6- Contact us – Allows you to send a message to RNA Frabase directly through the app
- 7- Links – displays a list of helpful and/or interesting links.

I.Search Activity:

- 1- Text field. Input the sequence or secondary structure you want to process in this field.
- 2- Drop-down list of examples to choose.
- 3- Search button. Searches for the text in field (3) in the RNA Frabase.
- 4- Advanced Search button. Enables additional search options.



II. Structural elements.

-Residue, Base Pair, Loop, Multiplet, Dinuclear Step, Stem

1- Search button. Starts a search for specified data in the RNA Frabase

2- Drop-down list that allow for selection of an existing value or range of values

3- Checkboxes – check to enable corresponding option, uncheck to disable it

4- Text fields – enter specific values to search for

2:18

Multiplet

Associated residues

Residue of the 1st strand: Any

Residue of the 2nd strand: Any

Residue of the 3rd strand: Any

Experimental method

Any

Include all models of the structure: ☐

2:18

Stem

Experimental method

Any

Case sensitive (modified residues sensitive search): ☐

Stem length

Exact length

length: _____

Sequence

First strand: _____

Second strand (optional): _____

Include all models of the structure: ☐

2:18

DinuclStep

First basepair

Residue of the 1st strand: Any

Residue of the 2nd strand: Any

Second base pair

Residue of the 1st strand: Any

Residue of the 2nd strand: Any

Experimental method

Any

Inter base pair parameters

Shift (Dx): Any

Slide (Dy): Any

Rise (Dz): Any

Tilt (τ): Any

Roll (ρ): Any

Twist (Ω): Any

Include all models of the structure: ☐

On pictures (top to bottom, left to right):
Residue, Base Pair, Loop, Multiplet,
Dinuclear Step and Stem screens