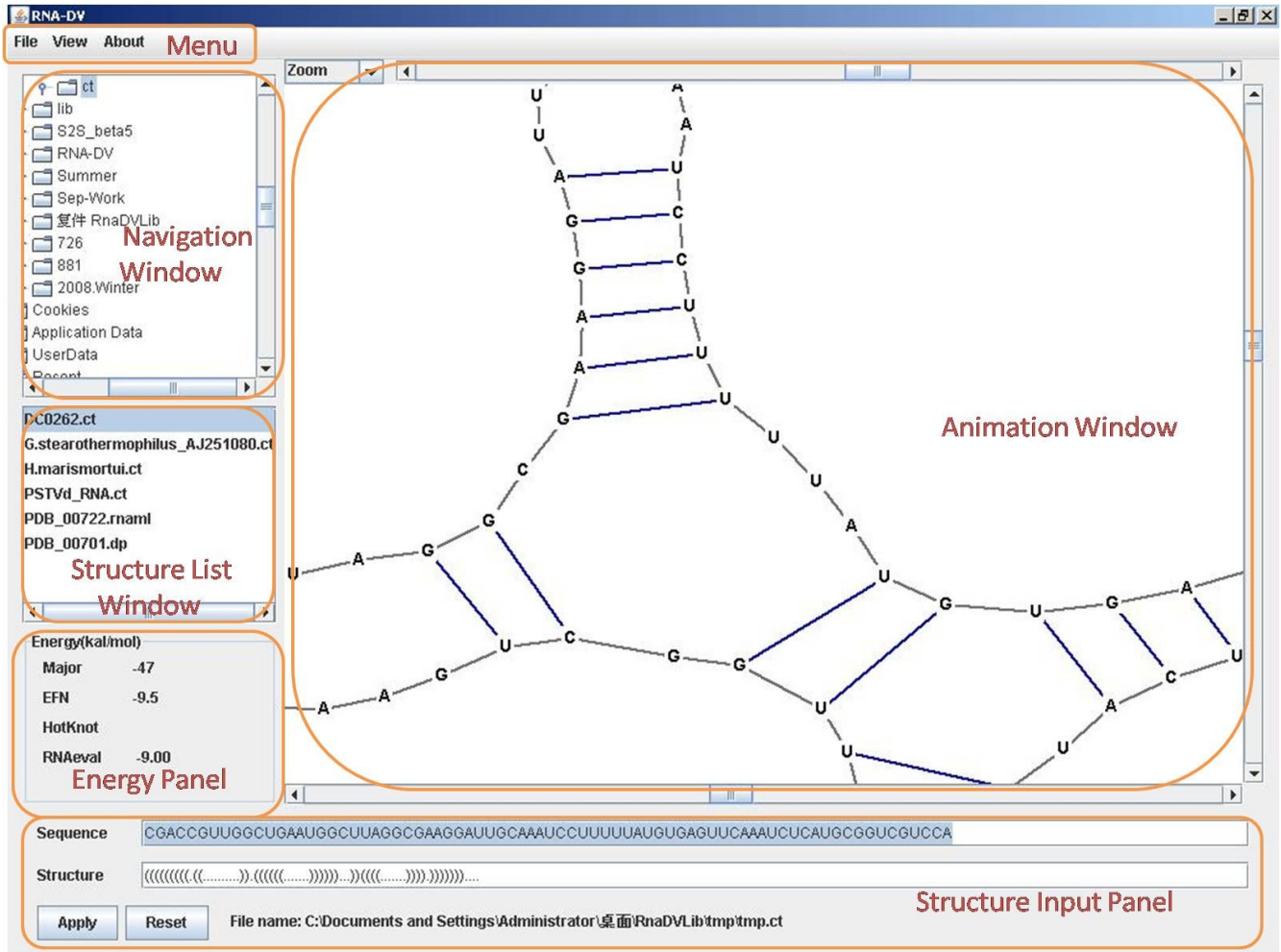


RNA-DV GUI Manual V1.0

The main GUI of RNA-DV is divided into 6 regions, as shown in the picture below.



1. To load a structure file

In main menu bar

- Select File => Load File
- Select target files (*.ct, *.bp, *.rnaml) from the prompted dialog.

RNA-DV

File View About

Zoom

lib
S2S_beta5
RNA-DV
Summer
Sep-Work
复印件 RnaDVLlib
726
881
2008.Winter
Cookies
Application Data
UserData
Recent

DC0262.ct
G.stearothermophilus_AJ251080.ct
H.marismortui.ct
PSTVd_RNA.ct
PDB_00722.rnaml
PDB_00701.dp

Energy(kal/mol)
Major -47
EFN -9.5
HotKnot
RNAeval -9.00

Sequence CGACCGUUGGCUGAAUAGGCUUAGGCGAAGGAUUGCAAUCCUUUUUAUGUGAGUUCAAAUCUCAUGCUGUCGUCCA

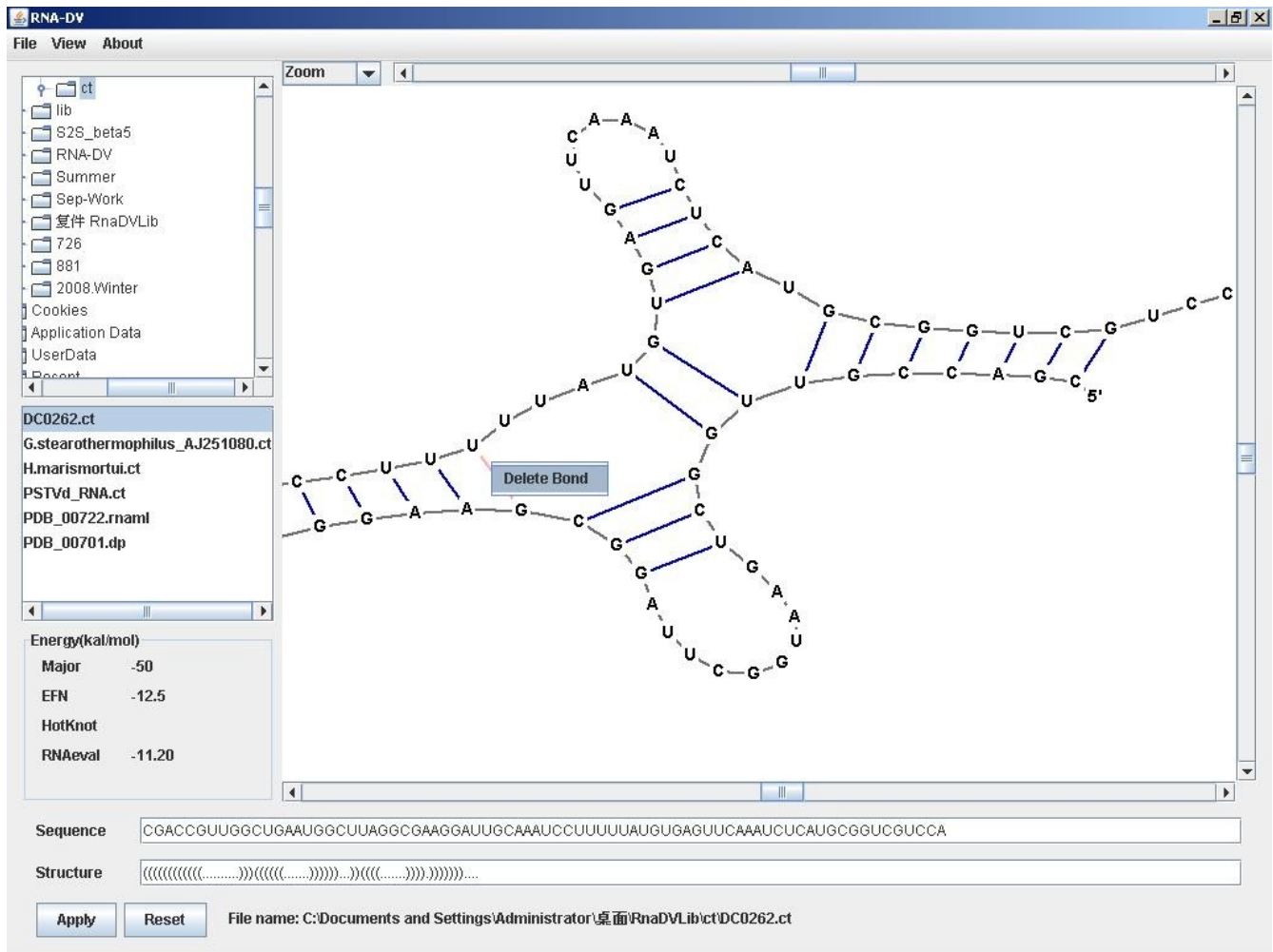
Structure ((((((((((.....))((((.....))))))..))((((.....)))))).....

Apply Reset File name: C:\Documents and Settings\Administrator\桌面\RnaDVLlib\ct\DC0262.ct

3. Disconnect pairing

In animation window

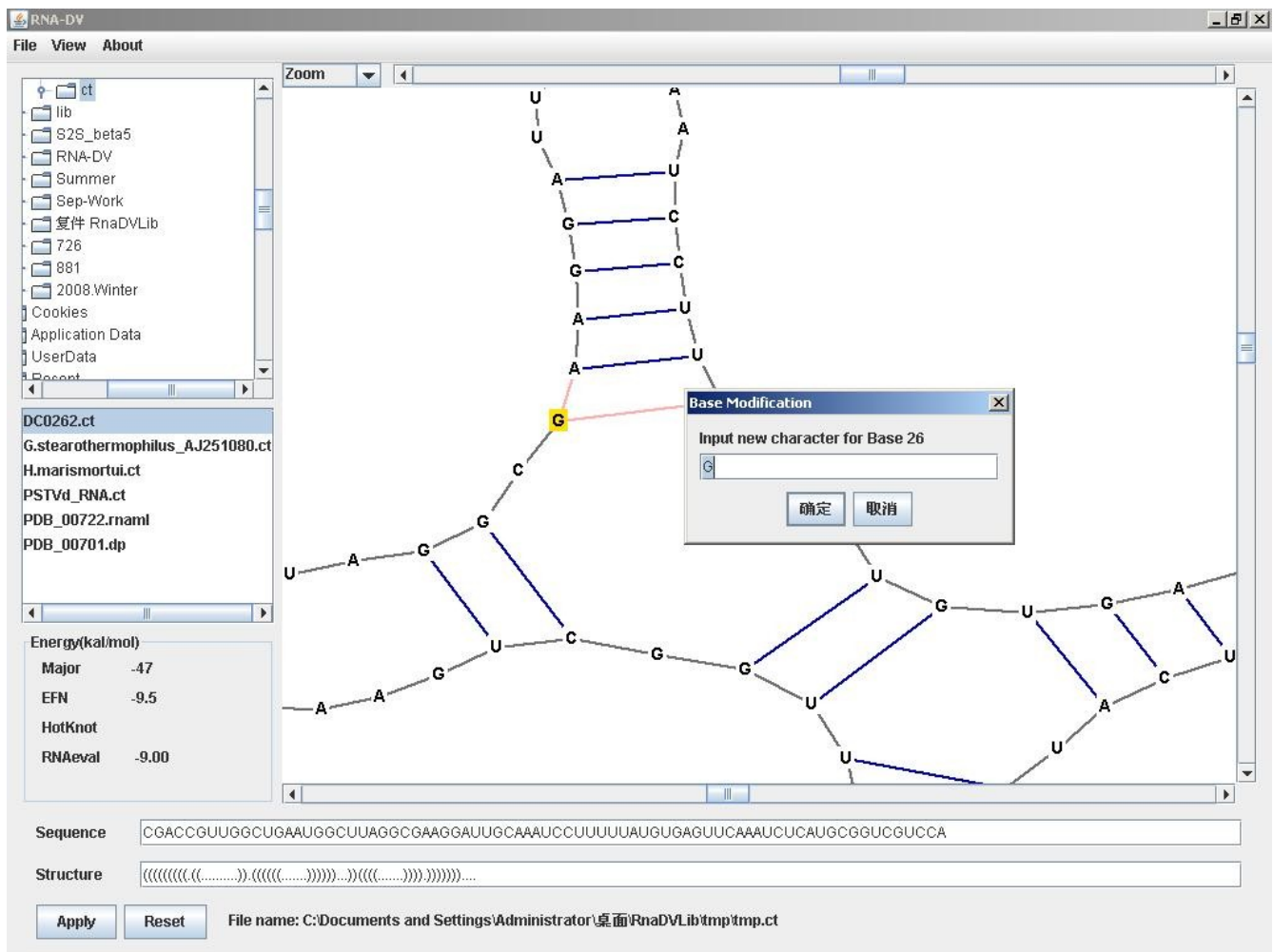
- Mouse over pairing bond to highlight
- Right click for popup window
- Select Delete Bonds



4. Base modification

In animation window

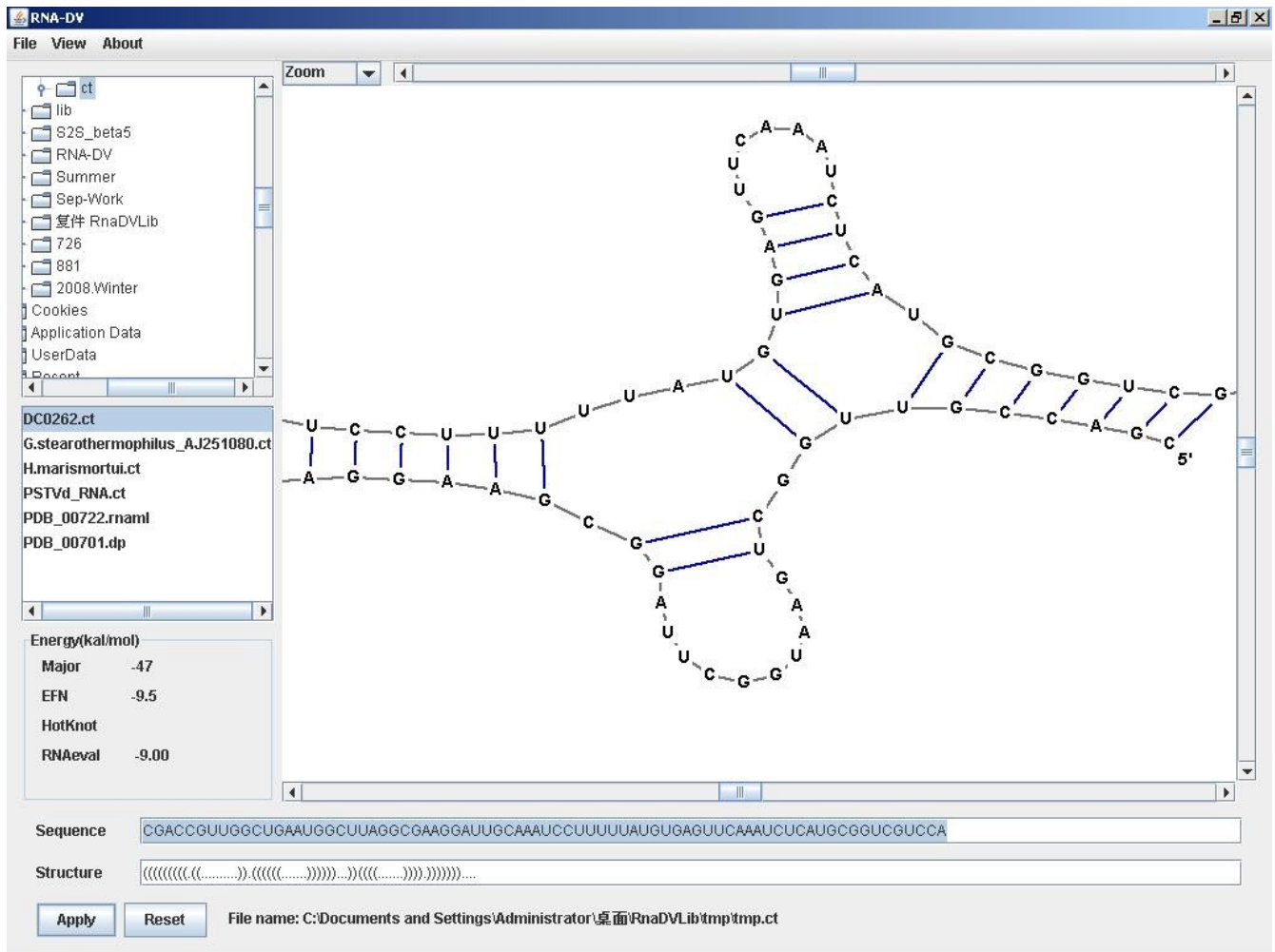
- Double click on nucleotide base
- Input new sequence content in popup dialog



5. Input structure & sequence

In structure input panel

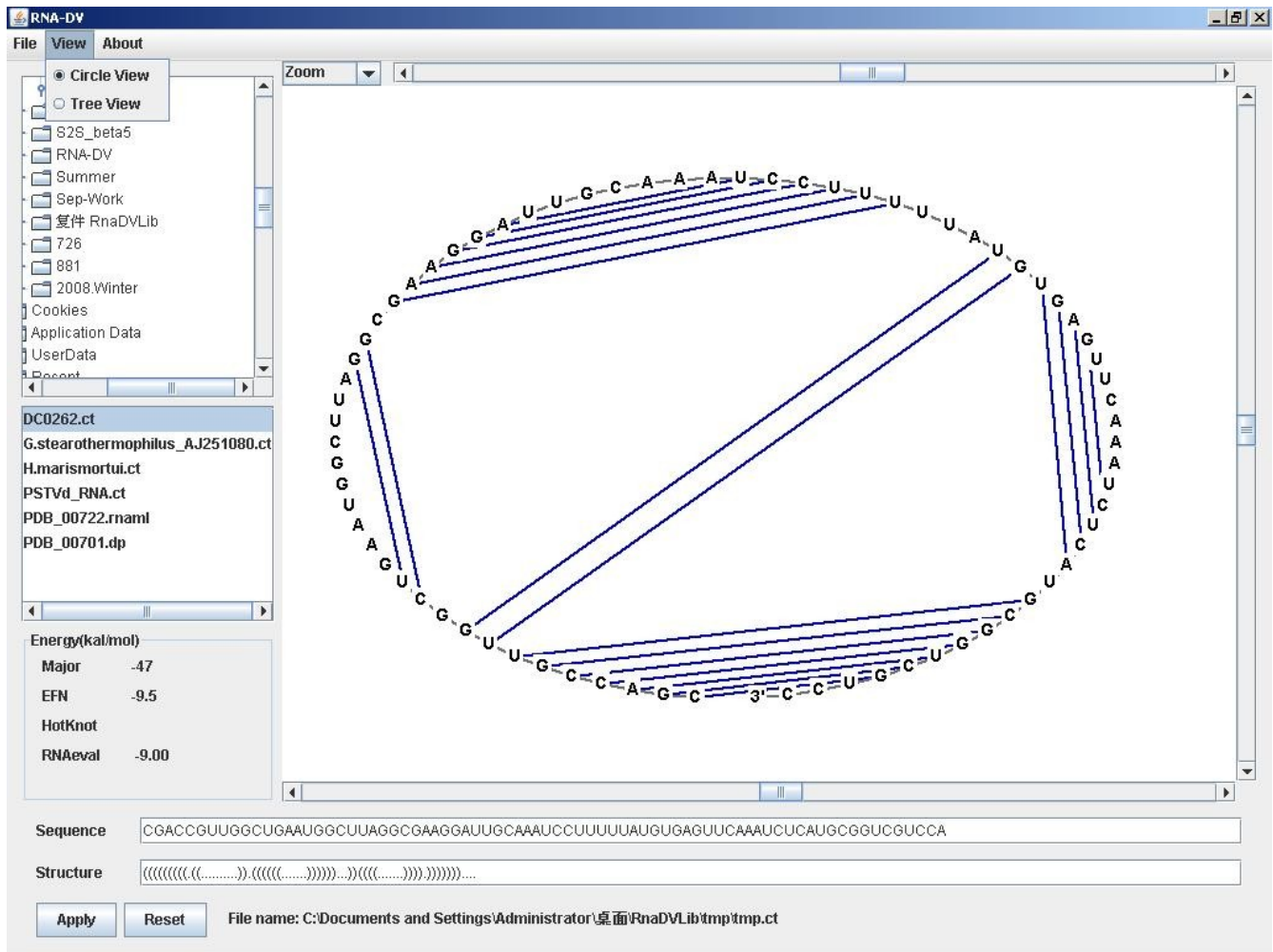
- type in dot-bracket string into Structure input box
- type in sequence content into Sequence input box
- click Apply button to display the new structure. click Reset to empty the box.



6. Switch view

In the main menu bar:

- Click View => Circle View to activate Circular Feynman view.
- Click View => Tree View to activate Classical planar graph view.



7. Zoom / Rotate

In the animation window

- Select Zoom or Rotate
- Drag the top scroll bar towards left or right

RNA-DV

File View About

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Zoom
Rotate

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PDB_00722.rnaml
PDB_00701.dp

Energy(kal/mol)
Major -47
EFN -9.5
HotKnot
RNAeval -9.00

Sequence

Structure

Apply Reset File name: C:\Documents and Settings\Administrator\桌面\RnaDVLlib\mp\mp.ct