A. Select query and target input and the operation button

Please choose one of following functions below: (Note: Only first sequence will be calculated on first two method)

TVGurve   RNA Mutation   RNA Multiple   **RNA Pairwise**

← Step 1   **Step 1: Select functional module**

RNA Pairwise Tab

You can open file or write content below:

Open RNA FASTA file...

```
>ALMV
AUGCUCAUGCAAAACUGCAUGAAUGCCCCUAAGGGAUGC
>CiLRV
AUGCCUAUAUUUUCUCUCCUGAGAAAAUAUAGAUGCCUCCAAAGGAGAUGC
>TSV
GUGCCAGUAGUAUAUAAUAUACUACUGAUGCCUCCUUUAUUAGGAGAUGC
```

← Step 2   **Step 2: Input query set with 3 RNA virus sequences**

Open RNA FASTA file...

```
>ALMV
AUGCUCAUGCAAAACUGCAUGAAUGCCCCUAAGGGAUGC
>APMV
AUGCCCACAACGUGAAGUUGUGGAUGCCCCGUUAGGGAAGC
>LRMV
GUUCCUAUUCUCUCUCUCAGGAGAGGAGAAUAGAUGCCUCCAAAGGAGUCGC
```

← Step 3   **Step 3: Input target set with 3 RNA virus sequences**

RNA Pairwise

B. Results of the module of RNA Pairwise: results and download interface

Job ID:
pairwise_87bb7e093c372f425e556aacd13d91d77a68919e7cba5d33b1d76f0a656fe2799548a1d1722bc279

📊 Sequecne and Structure

```
.... ((((((((....))))))))... (((....)))....
.... ((((((((((((....))))))))))))... (((....))))....
(((. ((((((((((...)))))))))).))) (((((....)))))....
```

📊 Results

Download files

Download .zip file

Result for each RNA pair

Sequence #001

Sequence #002

Sequence #003

The first pair comparison :ALMV vs ALMV

Sequence #001

The distance score between "ALMV" and "ALMV": 0.000000

Distance score= 0
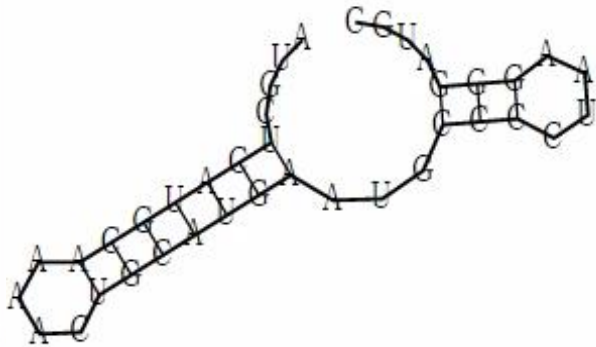
Structure
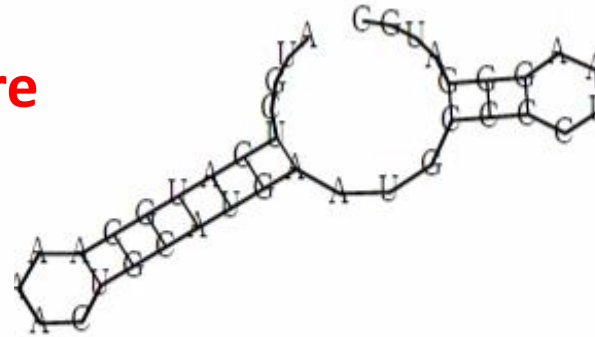
RNA-Structure-1
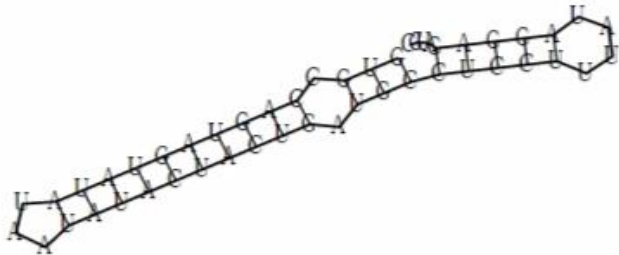
ALMV
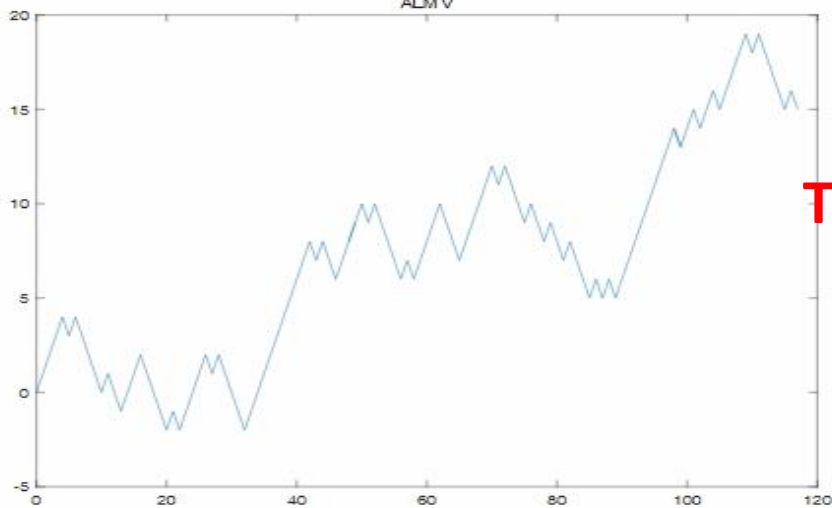
RNA-TVcurve-1

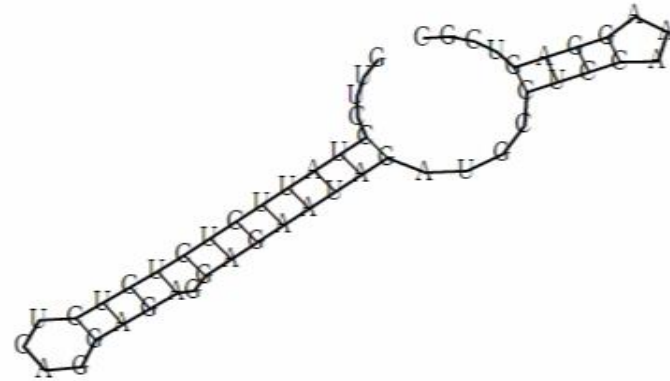RNA-Structure-2

ALMV
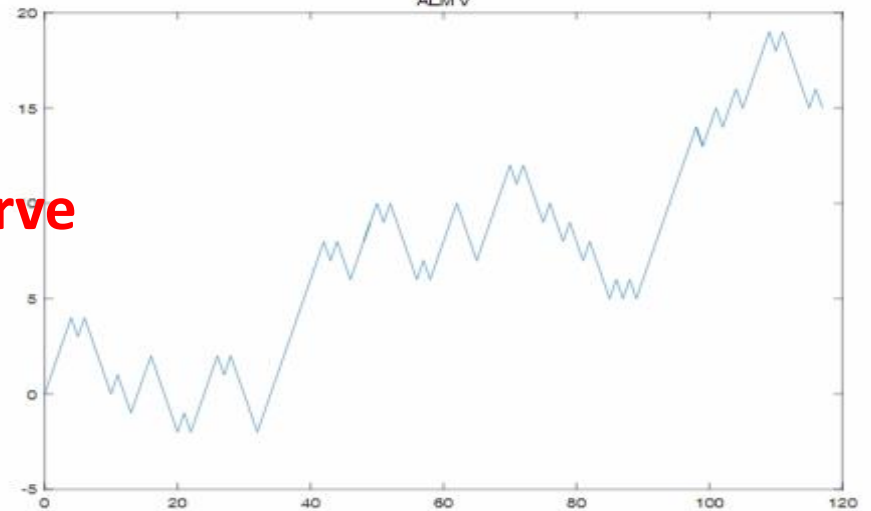
TV curve

RNA-TVcurve-2

Sequence #003

The third pair comparison :TSV vs LRMV

The distance score between "TSV" and "LRMV":
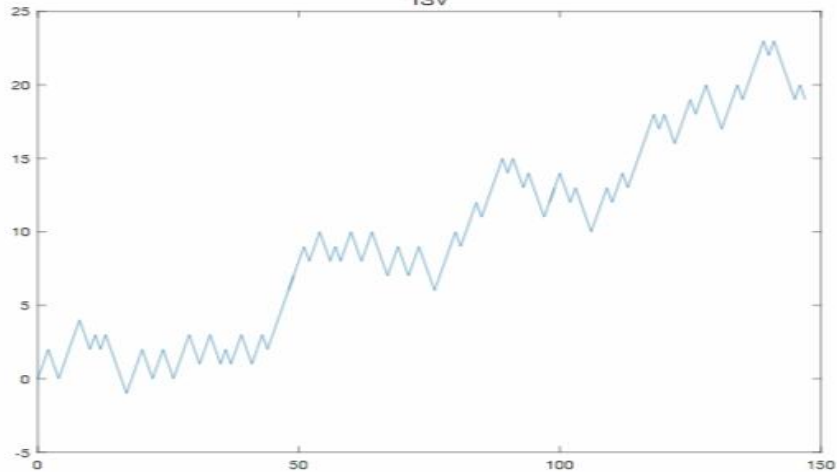0.835016

Distance score=0.835016
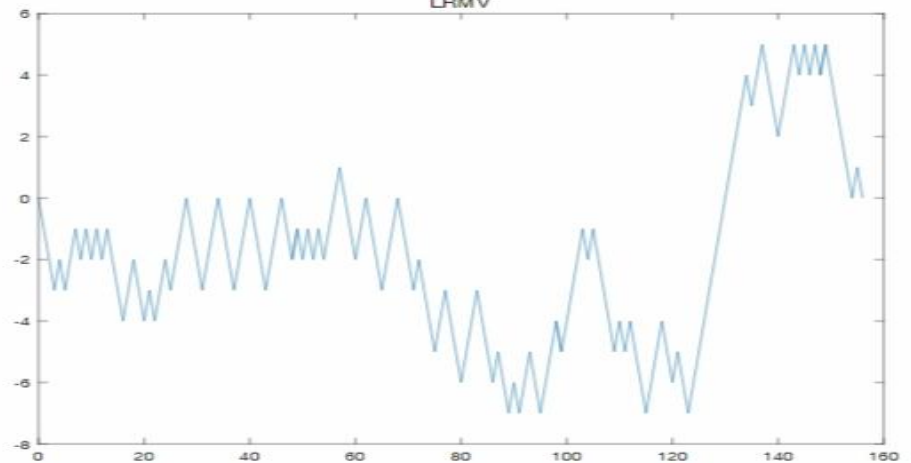
Structure

RNA-Structure-1

RNA-Structure-2

TSV

LRMV

TV curve

RNA-TVcurve-1

RNA-TVcurve-2