

A pdf copy of this tutorial was uploaded on GitHub.

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WARNING: Previous files will be overwritten or appended! Save them in a
different location than the current input file, or rename them.

->-
Enter the ct file path and name: /Users/ficatrina/Downloads/TFOFinder/Example/input/67_ovo_RE.ct
Enter the length of TFO probe; a number between 4 and 30: 10
Number of Structures = 20 ...Please wait...
```

## TFOFinder tutorial

- “67\_ovo\_RE\_TFO\_probes.txt” – the output file containing the information for the parallel TFO probes for the target of interest. The “Start Position” is the number of the first 5’ nucleotide that it is part of the purine duplex identified in the RNA target. This sequence is made up of only purines or 100 % purines (G and A nucleotides - %GA). The sscount fraction (sscount) gives information about the likelihood that the 10-nucleotide region is double stranded in all structures (MFE and SO). A value of zero for the sscount fraction means all 10 nucleotides are predicted to be double stranded in all 20 structures included in the input file for *ovo-RE* mRNA.

```
Results for /Users/ficatrina/Downloads/TFOFinder/Example/input/67_ovo_RE.ct using 10 as parallel TFO probe length
Start Position,%GA,sscount,Parallel TFO Probe Sequence,Tm
331,100,0.18,CCCCUUUUU,50
393,100,0.95,UUUUUUUUU,21
5523,100,0.0,UUUUUUUUU,21
5524,100,0.0,UUUUUUUUU,21
5525,100,0.0,UUUUUUUUU,21
```

**Figure 2.** Snapshot of the output file. The target, *ovo-RE* contains five possible regions amenable to forming a parallel triple helix.

5. Additional information, such as original files described in our manuscript, will be made available upon request; please contact Irina Catrina at [iecatrina@gmail.com](mailto:iecatrina@gmail.com).