1 The Module rna_transcription.pl

```
rna_complement(+Dna:char, -Rna:char)
                                                         rna_transcription.pl
  True if Rna is the RNA complement of the DNA nucleotide Dna.
   :- module(rna_transcription, [rna_transcription/2]).
   :- semidet(rna_complement/2).
   %! rna_complement(+Dna:char, -Rna:char) is semidet.
   % True if =Rna= is the RNA complement of the DNA nucleotide =Dna=.
   rna_complement('G', 'C').
   rna_complement('C', 'G').
   rna_complement('T', 'A').
   rna_complement('A', 'U').
   :- semidet(rna_transcription/2).
rna_transcription(+Dna:string, -Rna:string)
                                                         rna_transcription.pl
  True if Rna is the RNA complement of the DNA sequence Dna.
   %! rna_transcription(+Dna:string, -Rna:string) is semidet.
   % True if =Rna= is the RNA complement of the DNA sequence =Dna=.
   % @see rna_complement/2
   rna_transcription(Dna, Rna) :-
       string_chars(Dna, Strand),
       maplist(rna_complement, Strand, Transcribed),
       string_chars(Rna, Transcribed).
```