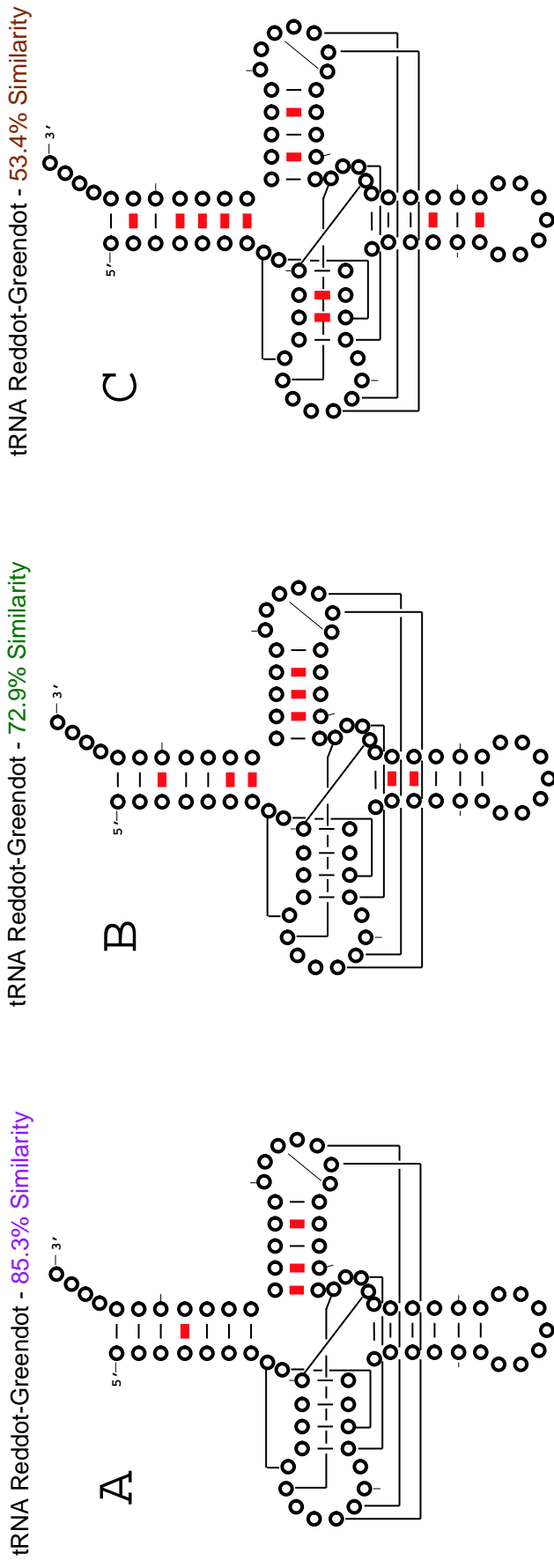


**Figure 1.** Reddot-green dot examples from tRNA. Symbols used: +: transition; -: transversion; |: deletion; \*: ambiguous nucleotide. Experimentally verified helices from the secondary structure are boxed and connected with black lines. Nucleotide position numbers refer to the *S.cerevisiae* Phe reference sequence. Sequence names are shown as *amino acid:organism*.



**Figure 2.** Results of the reddot-green dot analysis shown on tRNA secondary structure diagrams. Base pairs which are predicted with the method are shown with red tick marks. **A.** Sequences with 85.3% similarity. **B.** 72.9% similarity. **C.** 53.4% similarity.