F. Supplementary Figures and Tables
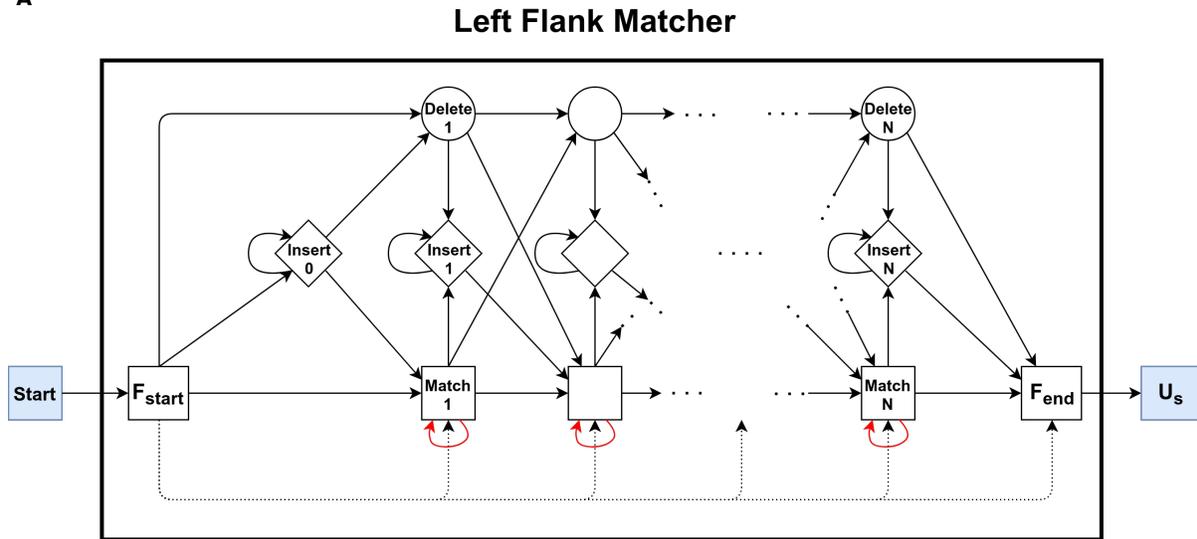
A

Left Flank Matcher
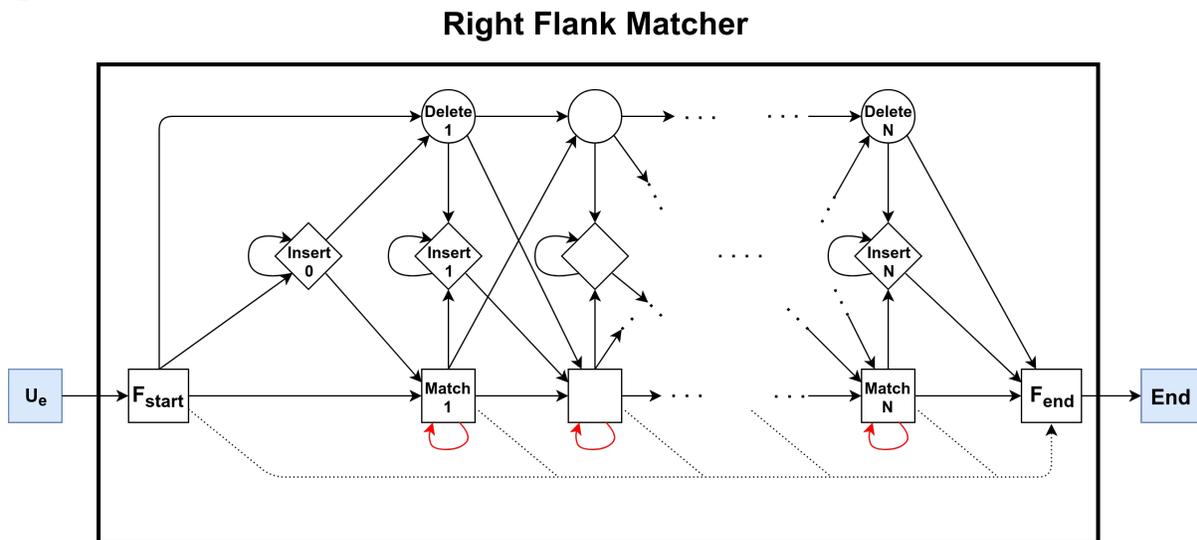

B

Right Flank Matcher

Figure S1: **Flanking region matchers.** (A) Shows the structure of Left Flank Matcher, which matches a suffix of left flanking region of the VNTR. In this part, the dotted edges allows skipping of adjacent base pairs at the beginning of the flanking region, and the rest of region (base pairs on the right) should be matched to the states and this is how matching of a suffix is insured. (B) Shows the structure of Right Flank Matcher, the model that matches a prefix of right flanking region of the VNTR. Here, dotted edges ensure the matching of a prefix of the flanking region sequence.