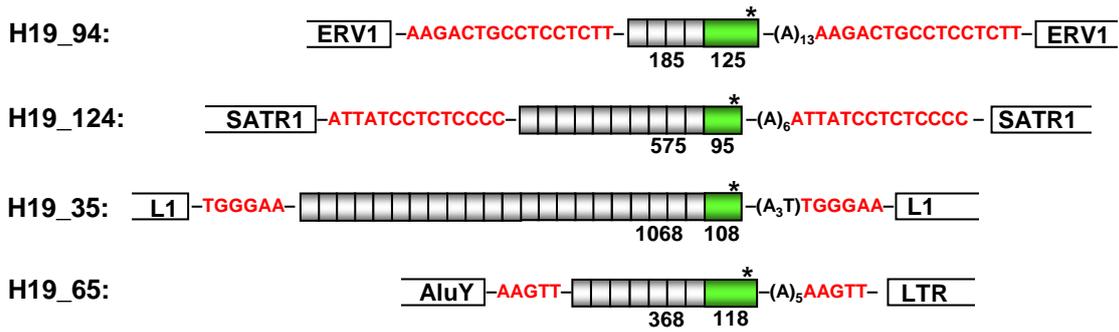
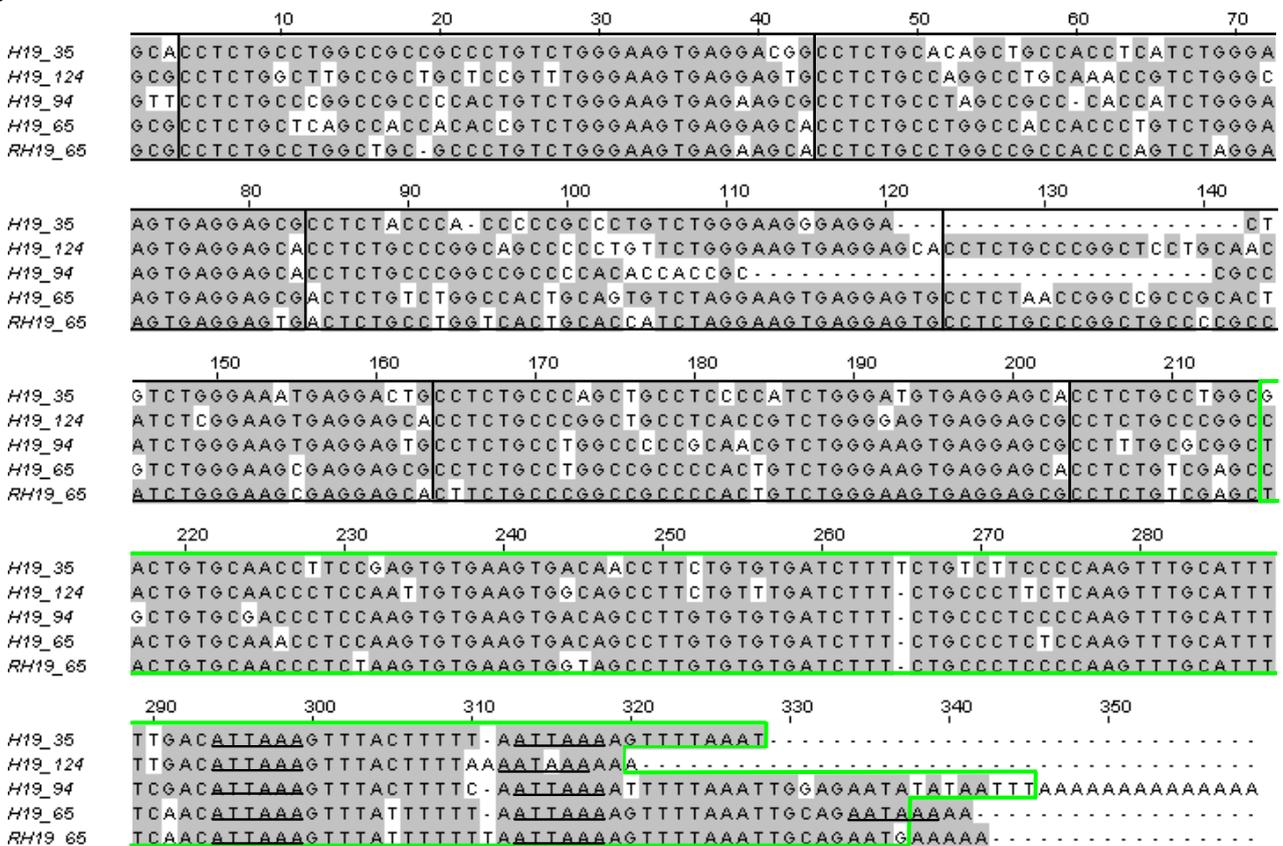


A**B**

Supplemental Figure 1: SVA2 elements on chromosome 19. **A**, The four SVA2 elements identified are composed of 185 to 1068 nts VNTR sequences (grey bars subdivided in segments) and heterologous non-SVA repeats covering 95 to 125 nts (green bars). Segments within the VNTR sequences indicate individual tandem repeats. Hallmarks of L1-mediated retrotransposition are polyA tails at the 3'-end and TSDs flanking each insertion (red lettering). Designation of the elements is shown on the left. The SVA2 elements retrotransposed into repetitive sequences like ERV1, LINE-1, *Alu Y*, LTR sequences and in SATR1 (satellite) repeats. **B**, Multiple alignment of the 3'-ends of SVA2 elements with an ortholog (RH19_65) on chromosome 19 of rhesus macaque. Nucleotides shared among the majority of elements are shaded. Five SVA-specific tandem repeat units are marked by black frames. Non-SVA sequences at the 3'-ends are indicated by a green frame. Canonical polyadenylation signals are underlined.