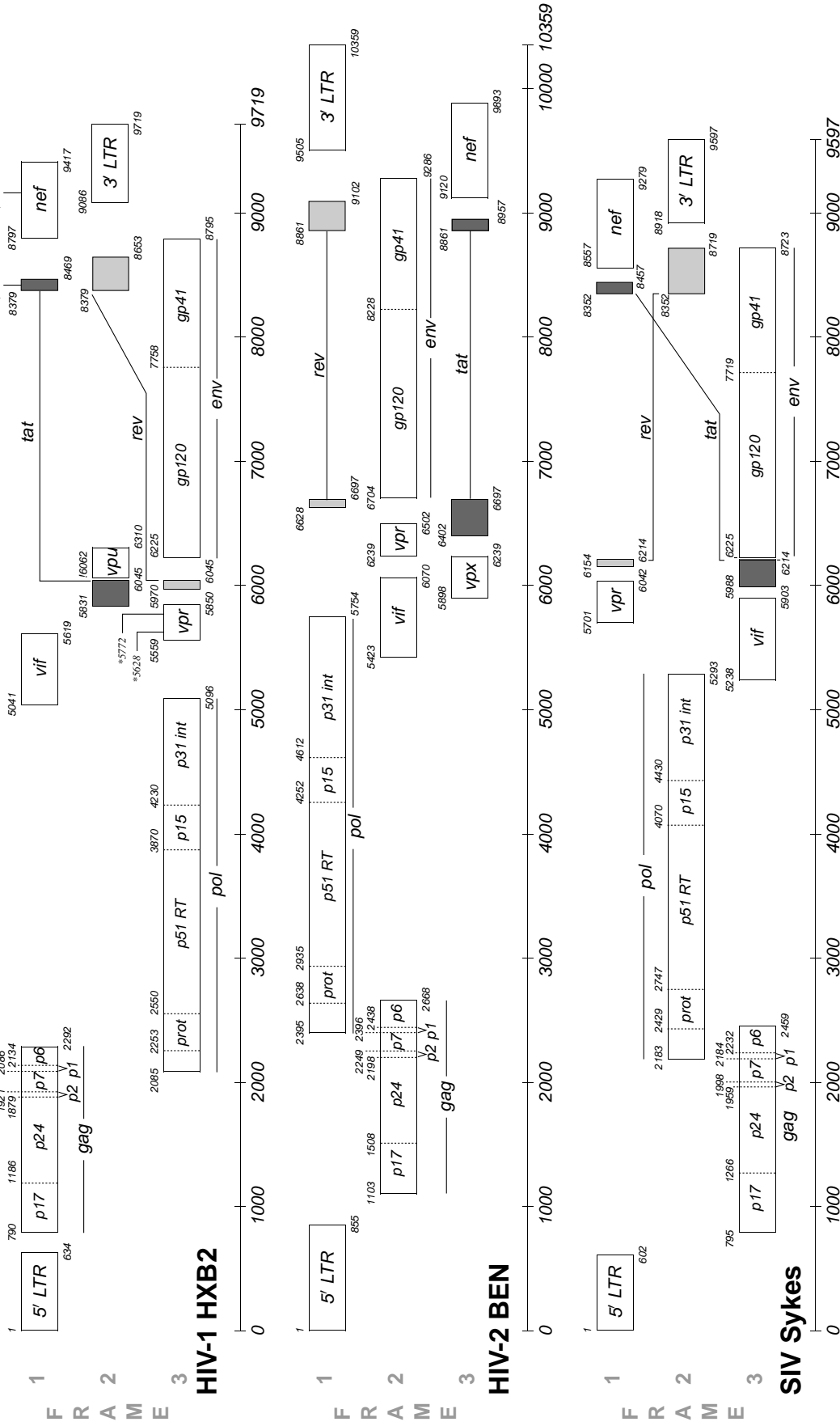


Genome Maps



Landmarks of the HIV-1, HIV-2, and SIV genomes. The gene start, indicated by the small number in the upper left corner of each rectangle normally records the position of the a in the atg start codon for that gene while the number in the lower right records the last position of the stop codon. For *pol*, the start is taken to be the first t in the sequence ttttttag which forms part of the stem loop that potentiates ribosomal slippage on the RNA and a resulting -1 frameshift and the translation of the gag-pol polyprotein. The *tat* and *rev* spliced exons are shown as shaded rectangles. In HXB2, *5628 and *5772 mark positions of frameshifts in the *vpr* gene; !6062 indicates a defective acg start codon in *vpu*; †8424, and †9168 mark premature stop codons in *tat* and *nef*. See Korber et al., Numbering Positions in HIV Relative to HXB2CG, in *Human Retroviruses and AIDS*, 1998 p. 102. Available from <http://hiv-web.lanl.gov/HTML/reviews/HXB2.html>.