

Figure 1. Phylogeny of AAV rep genes supports host-virus co-divergence.

- (a) AAV genome schematic (4.7 Kb), showing rep and cap genes flanked by inverted terminal repeats (ITRs).
- **(b)** Rooted maximum-likelihood phylogeny of AAVs and endogenous viral elements (EVEs) based on *rep*. Brackets indicate clustering with host taxa. The inset tree (bottom right) illustrates host divergence times. Boxes next to EVE taxa denote minimum ages inferred from orthology. Asterisks indicate bootstrap support >70% (1,000 replicates). Amino acid-based support values are above branches, nucleotide-based below.
- (c) Expanded primate AAV clade, showing associations with humans, Asian primates, and African primates. Format as in (b).