

Table S5 Accession numbers of collagen sequences used in this study (available on the Uniprot website, <https://www.uniprot.org/>)

UniProt AC	Protein	Species
C0HLH3	CO1A1	<i>Acratocnus</i> sp.
C0HLH4	CO1A2	<i>Acratocnus</i> sp.
C0HLH1	CO1A1	<i>Acratocnus</i> ye
C0HLH2	CO1A2	<i>Acratocnus</i> ye
C0HLG9	CO1A1	<i>Bradypus variegatus</i>
C0HLH0	CO1A2	<i>Bradypus variegatus</i>
C0HLG8	CO1A2	<i>Choloepus hoffmanni</i>
C0HLG7	CO1A1	<i>Choloepus hoffmanni</i>
C0HLI1	CO1A1	<i>Doedicurus</i> sp.
C0HLI2	CO1A2	<i>Doedicurus</i> sp.
C0HLI3	CO1A1	<i>Glossotherium</i> sp.
C0HLI4	CO1A2	<i>Glossotherium</i> sp.
C0HLH9	CO1A1	<i>Glyptodon</i> sp.
C0HLI0	CO1A2	<i>Glyptodon</i> sp.
C0HLJ7	CO1A1	<i>Megalonyx</i> sp.
C0HLJ8	CO1A2	<i>Megalonyx</i> sp.
C0HLJ5	CO1A1	<i>Megatherium americanum</i>
C0HLJ6	CO1A2	<i>Megatherium americanum</i>
C0HLH7	CO1A1	<i>Mylodon</i> sp.
C0HLH8	CO1A2	<i>Mylodon</i> sp.
C0HLI9	CO1A1	<i>Neocnus comes</i>
C0HLJ0	CO1A2	<i>Neocnus comes</i>
C0HLH5	CO1A1	<i>Neocnus dousman</i>
C0HLH6	CO1A2	<i>Neocnus dousman</i>
C0HLJ3	CO1A1	<i>Nothrotheriops shastensis</i>
C0HLJ4	CO1A2	<i>Nothrotheriops shastensis</i>
C0HLJ9	CO1A1	<i>Paramylodon harlani</i>
C0HLK0	CO1A2	<i>Paramylodon harlani</i>
C0HLJ1	CO1A1	<i>Parocnus serus</i>
C0HLJ2	CO1A2	<i>Parocnus serus</i>
C0HLI7	CO1A1	<i>Scelidodon</i> sp.
C0HLI8	CO1A2	<i>Scelidodon</i> sp.
C0HLI5	CO1A1	<i>Scelidotherium</i> sp.
C0HLI6	CO1A2	<i>Scelidotherium</i> sp.