

SUPPLEMENTAL DATA—Oxygen isotope values for samples analyzed within this study. Data was supplemented by data previously published in Feranec (2004, 2005).

Sample No.	Museum Catalog No.	Species	Distance from the Enamel-Root Contact (mm)	$\delta^{18}\text{O}_{\text{pdb}}$
RSF 0110A	MVZ 155588	<i>Panthera leo</i>	3	1.1
RSF 0110B	MVZ 155588	<i>Panthera leo</i>	6	1.2
RSF 0110C	MVZ 155588	<i>Panthera leo</i>	9	1.0
RSF 0110D	MVZ 155588	<i>Panthera leo</i>	13	1.1
RSF 0110E	MVZ 155588	<i>Panthera leo</i>	17	1.3
RSF 0110F	MVZ 155588	<i>Panthera leo</i>	22	0.9
RSF 0110G	MVZ 155588	<i>Panthera leo</i>	27	0.9
RSF 0110H	MVZ 155588	<i>Panthera leo</i>	33	0.5
RSF 0110I	MVZ 155588	<i>Panthera leo</i>	37	0.0
RSF 0110J	MVZ 155588	<i>Panthera leo</i>	47	0.2
0325A	UCMP 189603	<i>Smilodon fatalis</i>	16	-7.2
0325B	UCMP 189603	<i>Smilodon fatalis</i>	18	-6.8
0325C	UCMP 189603	<i>Smilodon fatalis</i>	22	-6.5
0325D	UCMP 189603	<i>Smilodon fatalis</i>	26	-6.5
0325E	UCMP 189603	<i>Smilodon fatalis</i>	28	-6.5
0325F	UCMP 189603	<i>Smilodon fatalis</i>	33	-6.3
0325G	UCMP 189603	<i>Smilodon fatalis</i>	37	-5.9
0325H	UCMP 189603	<i>Smilodon fatalis</i>	41	-6.1
0325I	UCMP 189603	<i>Smilodon fatalis</i>	46	-5.9

0325J	UCMP 189603	<i>Smilodon fatalis</i>	49	-5.8
0325K	UCMP 189603	<i>Smilodon fatalis</i>	52	-5.5
0325L	UCMP 189603	<i>Smilodon fatalis</i>	57	-5.4
0325M	UCMP 189603	<i>Smilodon fatalis</i>	61	-5.0
0325N	UCMP 189603	<i>Smilodon fatalis</i>	66	-5.6
0325O	UCMP 189603	<i>Smilodon fatalis</i>	71	-6.2
0325P	UCMP 189603	<i>Smilodon fatalis</i>	75	-6.2
0325Q	UCMP 189603	<i>Smilodon fatalis</i>	80	-6.7
0325R	UCMP 189603	<i>Smilodon fatalis</i>	83	-6.9
0325s	UCMP 189603	<i>Smilodon fatalis</i>	86	-6.9
0325T	UCMP 189603	<i>Smilodon fatalis</i>	90	-7.3
0344a	UCMP 189613	<i>Panthera leo atrox</i>	2	-6.6
0344b	UCMP 189613	<i>Panthera leo atrox</i>	5	-6.2
0344c	UCMP 189613	<i>Panthera leo atrox</i>	6	-6.0
0344d	UCMP 189613	<i>Panthera leo atrox</i>	9	-6.8
0344e	UCMP 189613	<i>Panthera leo atrox</i>	11	-7.0
0344f	UCMP 189613	<i>Panthera leo atrox</i>	14	-7.3
0344g	UCMP 189613	<i>Panthera leo atrox</i>	16	-7.3
0344h	UCMP 189613	<i>Panthera leo atrox</i>	20	-7.6
0344I	UCMP 189613	<i>Panthera leo atrox</i>	25	-8.1
0344J	UCMP 189613	<i>Panthera leo atrox</i>	27	-7.7
0344K	UCMP 189613	<i>Panthera leo atrox</i>	30	-6.8
0344L	UCMP 189613	<i>Panthera leo atrox</i>	36	-6.6

0349A	UCMP 41778	<i>Homotherium serum</i>	4	-5.7
0349D	UCMP 41778	<i>Homotherium serum</i>	15	-6.8
0349E	UCMP 41778	<i>Homotherium serum</i>	18	-7.3
0349F	UCMP 41778	<i>Homotherium serum</i>	21	-6.9
0349G	UCMP 41778	<i>Homotherium serum</i>	24	-7.1
0349I	UCMP 41778	<i>Homotherium serum</i>	35	-5.7
0349J	UCMP 41778	<i>Homotherium serum</i>	41	-6.5