

Table S1. List of specimens

Museum	Catalogue #	Current Taxon	Previous Taxon	Status	Sex	Age	Country/Region	State/Province	Remarks
FMNH	92924	<i>Capra aegagrus</i>		Wild	M	12-18 m	Iran	Kemanshah, Tang-i-korish	
FMNH	97911	<i>Capra aegagrus</i>		Wild	F	12-18 m	Iran	Mazandaran, Varagrud	
FMNH	97912	<i>Capra aegagrus</i>		Wild	F	12-18 m	Iran	Mazandaran, Varagrud	
FMNH	97916	<i>Capra aegagrus</i>		Wild	M	6-12 m	Iran	Esfahan, Galateppéh	
FMNH	97920	<i>Capra aegagrus</i>		Wild	M	6-12 m	Iran	Esfahan, Galateppéh	
FMNH	112505	<i>Capra aegagrus</i>		Wild	F	0-2 m	Iran	Azerbaijan, Maku	
FMNH	180661	<i>Capra aegagrus</i>		Wild	F	2-6 m	Iraq	Irbil, Harir Dagh	
NMNH	37777	<i>Capra aegagrus</i>		Wild	M	6-8 y	Pakistan	Sind	
NMNH	38690	<i>Capra aegagrus</i>		Wild	F	12-18 m	Pakistan	Sind	
NMNH	268922	<i>Capra aegagrus</i>		Wild	?	8-10 y	Iran		
NMNH	327096	<i>Capra aegagrus</i>		Wild	M	3-4 y	Iran		
NMNH	327097	<i>Capra aegagrus</i>		Wild	F	18-24 m	Iran		
NMNH	328580	<i>Capra aegagrus</i>		Wild	M	18-24 m	Iran	Sistan Va Baluchestan	
NMNH	328581	<i>Capra aegagrus</i>		Wild	M	3-4 y	Iran	Sistan Va Baluchestan	
NMNH	328583	<i>Capra aegagrus</i>		Wild	M	5-6 y	Iran	Sistan Va Baluchestan	
FMNH	60488	<i>Capra hircus</i>		Domestic	?	6-12 m	Asia	Zoo specimen	
FMNH	129759	<i>Capra hircus</i>		Domestic	?	2-6 m	Egypt		
NMNH	A00720	<i>Capra hircus</i>		Domestic	F	12-18 m	United States	Pennsylvania	
NMNH	A07671	<i>Capra hircus</i>		?	M	0-2 m	Locality Unknown		
NMNH	A35522	<i>Capra hircus</i>		Domestic	F	18-24 m	Locality Unknown		
NMNH	A35524	<i>Capra hircus</i>		Domestic	F	6-8 y	Locality Unknown		
NMNH	061704	<i>Capra hircus</i>		Domestic	?	18-24 m	Gabon		
NMNH	123657	<i>Capra hircus</i>		Domestic	M	3-4 y	USA	District of Columbia	
NMNH	155623	<i>Capra hircus</i>		Domestic	M	8-10 y	Locality Unknown		
NMNH	200328	<i>Capra hircus</i>		Domestic	M	18-24 m	Locality Unknown		
NMNH	396071	<i>Capra hircus</i>		Domestic	M	3-4 y	New Zealand	North Island	
FMNH	52425	<i>Ovis aries</i>		Domestic	?	0-2 m	Locality Unknown	Zoo specimen	dp3 and dp4 just erupting
FMNH	52426	<i>Ovis aries</i>		Domestic	?	0-2 m	Locality Unknown	Zoospecimen	dp3 and dp4 just erupting
FMNH	58094	<i>Ovis aries</i>		Domestic	M	12-18 m	Iraq	Chamchamal Valley	

Museum	Catalogue #	Current Taxon	Previous Taxon	Status	Sex	Age	Country/Region	State/Province	Remarks
NMNH	A01238	<i>Ovis aries</i>		Domestic	M	3-4 y	United States	District Of Columbia	Domestic?
NMNH	A01239	<i>Ovis aries</i>		Domestic	F	8-10 y	United States	District Of Columbia	
NMNH	A01353	<i>Ovis aries</i>		Domestic	F	3-4 y	United States	Nebraska	
NMNH	A01610	<i>Ovis aries</i>		Domestic	?	18-24 m	United States	California	
NMNH	A02390	<i>Ovis aries</i>		?	M	6-8 y	United States	District Of Columbia	Very large horns, wild?
NMNH	A05049	<i>Ovis aries</i>		Domestic	F	3-4 y	United States	Pennsylvania	
NMNH	A05050	<i>Ovis aries</i>		Domestic	F	3-4 y	United States	Pennsylvania	
NMNH	A05051	<i>Ovis aries</i>		Domestic	F	12-18 m	United States	Pennsylvania	
NMNH	A05052	<i>Ovis aries</i>		?	M	3-4 y	Locality Unknown		Very large horns
NMNH	A05053	<i>Ovis aries</i>		?	M	3-4 y	Locality Unknown		
NMNH	A15253	<i>Ovis aries</i>		Domestic	M	12-18 m	Chile		
NMNH	A21756	<i>Ovis aries</i>		?	?	4-5 y	Locality Unknown		
NMNH	A49700	<i>Ovis aries</i>		Domestic	F	12-18 m	Locality Unknown		
NMNH	37933	<i>Ovis aries</i>	<i>Ovis musimon</i>	Feral	M	12-18 m	Italy	Sardinia	
NMNH	38515	<i>Ovis aries</i>	<i>Ovis musimon</i>	Feral	M	4-5 y	Italy	Sardinia	
NMNH	141909	<i>Ovis aries</i>	<i>Ovis musimon sardegna</i>	Feral	M	2-6 m	United States	District of Columbia/Zoo	
NMNH	151656	<i>Ovis aries</i>	<i>Ovis musimon</i>	Feral	F	3-4 y	Locality Unknown		
NMNH	155448	<i>Ovis aries</i>	<i>Ovis musimon</i>	Feral	M	6-8 y	United States	District of Columbia/Zoo	
NMNH	155451	<i>Ovis aries</i>		?	M	2-6 m	United States	District of Columbia/Zoo	
NMNH	175023	<i>Ovis aries</i>		Domestic	F	12-18 m	United States	Maryland	
NMNH	175590	<i>Ovis aries</i>		?	M	4-5 y	Locality Unknown		
NMNH	198442	<i>Ovis aries</i>		Domestic	F	3-4 y	Egypt		
NMNH	240689	<i>Ovis aries</i>		Domestic	M	3-4 y	China	Nei Monggol	
NMNH	240690	<i>Ovis aries</i>		Domestic	M	6-8 y	China	Qinghai	
NMNH	250614	<i>Ovis aries</i>		Domestic	F	4-5 y	United States	New Hampshire	
NMNH	252544	<i>Ovis aries</i>	<i>Ovis europaeus orientalis</i>	Feral	M	6-12 m	United States	District Of Columbia/Zoo	
NMNH	254590	<i>Ovis aries</i>	<i>Ovis europaeus orientalis</i>	Feral	F	4-5 y	United States	District Of Columbia/Zoo	
NMNH	254987	<i>Ovis aries</i>		Feral	M	4-5 y	Italy	Sardinia	
NMNH	255418	<i>Ovis aries</i>		Domestic	?	2-6 m	United States	Kansas	No horns, female?, but young
NMNH	256197	<i>Ovis aries</i>	<i>Ovis europaeus orientalis</i>	Feral	M	0-2 m	United States	District Of Columbia/Zoo	
NMNH	257432	<i>Ovis aries</i>	<i>Ovis europaeus orientalis</i>	Feral	M	6-12 m	United States	District Of Columbia/Zoo	

Museum	Catalogue #	Current Taxon	Previous Taxon	Status	Sex	Age	Country/Region	State/Province	Remarks
NMNH	258413	<i>Ovis aries</i>	<i>Ovis europaeus orientalis</i>	Feral	M	2-6 m	United States	District Of Columbia/Zoo	
NMNH	268451	<i>Ovis aries</i>		Domestic	?	3-4 y	United States	Maryland	Says male, but hornless & old
NMNH	271747	<i>Ovis aries</i>		Domestic	M	18-24 m	United States	Washington	young with horn buds
NMNH	272343	<i>Ovis aries</i>		Domestic	?	0-2 m	United States	Maryland	
NMNH	284889	<i>Ovis aries</i>		?	M	6-12 m	Locality Unknown		
NMNH	293762	<i>Ovis aries</i>		Domestic	F	3-4 y	United States	Virginia	
NMNH	298438	<i>Ovis aries</i>		?	M	3-4 y	United States	District Of Columbia/Zoo	Possibly wild
NMNH	AB-080	<i>Ovis aries</i>		Domestic	M	2-6 mo	United States	Ann Arbor, Michigan	Archaeobiology Comparative
FMNH	58039	<i>Ovis orientalis</i>		Wild	F	12-18 m	Iran	Azerbaijan, Marakan	
FMNH	58057	<i>Ovis orientalis</i>		Wild	F	2-6 m	Iran	Azerbaijan, Marakan	
FMNH	58069	<i>Ovis orientalis</i>		Wild	F	2-6 m	Iran	Azerbaijan, Marakan	
FMNH	58072	<i>Ovis orientalis</i>		Wild	M	2-6 m	Iran	Lake Rezaiyeh	
FMNH	84488	<i>Ovis orientalis</i>		Wild	M	12-18 m	Iraq	As Salaymanijah	
FMNH	97959	<i>Ovis orientalis</i>		Wild	F	6-12 m	Iran	Esfahan, Galatappeh	
FMNH	97986	<i>Ovis orientalis</i>		Wild	F	6-12 m	Iran	Sistan, Iranshahr	
NMNH	327099	<i>Ovis orientalis</i>		Wild	F	3-4 y	Iran		
NMNH	327100	<i>Ovis orientalis</i>		Wild	F	8-10 y	Iran		
NMNH	327101	<i>Ovis orientalis</i>		Wild	M	12-18 m	Iran		
NMNH	327102	<i>Ovis orientalis</i>		Wild	M	3-4 y	Iran		
NMNH	329356	<i>Ovis orientalis</i>		Wild	M	3-4 y	Iran	Fars	
NMNH	369905	<i>Ovis orientalis</i>		Wild	M	3-4 y	Iran	Azarbaijan-E Sharqi	
FMNH	58020	<i>Ovis vigne</i>		Wild	F	12-18 m	Iran	Semnan, Reza Shah Park	
FMNH	58022	<i>Ovis vigne</i>		Wild	M	12-18 m	Iran	Semnan, Shahrud	
FMNH	58024	<i>Ovis vigne</i>		Wild	F	12-18 m	Iran	Semnan, Shahrud	

Table S2. Scoring of individual mandibles

Museum	Number	Genus	Side	Element	C1	C2	C3	C4	C5	C6	C7	Element Call	Mandible Call
FMNH	60488	Capra	L	dp3	x	C	C	C				C	
FMNH	60488	Capra	L	dp4	O/C	O	x					O/C	
FMNH	60488	Capra	L	M1	x	x	O	O	O	C	C	O	
FMNH	60488	Capra	L	MD	C	x	x					C	O/C
FMNH	60488	Capra	R	dp3	x	C	C	C				C	
FMNH	60488	Capra	R	dp4	O/C	O	x					O/C	
FMNH	60488	Capra	R	M1	x	x	O	O	O	C	C	O	
FMNH	60488	Capra	R	MD	C	x	x					C	O/C
FMNH	92924	Capra	L	dp3	x	O/C	O/C	O				O/C	
FMNH	92924	Capra	L	dp4	C	O	x					C	
FMNH	92924	Capra	L	M1	x	x	C	O	C	O/C	C	O/C	
FMNH	92924	Capra	L	MD	C	x	x					C	O/C
FMNH	92924	Capra	R	dp3	x	C	O/C	O				O/C	
FMNH	92924	Capra	R	dp4	O/C	O	x					O/C	
FMNH	92924	Capra	R	M1	x	x	C	O	C	O/C	O	O/C	
FMNH	92924	Capra	R	MD	C	x	x					C	O/C
FMNH	97911	Capra	L	dp3	x	C	C	C				C	
FMNH	97911	Capra	L	dp4	C	O	x					O/C	
FMNH	97911	Capra	L	M1	x	O	C	O	C	C	C	C	
FMNH	97911	Capra	L	MD	O	x	x					O	O/C
FMNH	97911	Capra	R	dp3	x	C	C	C				C	
FMNH	97911	Capra	R	dp4	C	O	x					O/C	
FMNH	97911	Capra	R	M1	x	O	C	O	C	C	C	C	
FMNH	97911	Capra	R	MD	O	x	x					O	O/C
FMNH	97912	Capra	L	dp3	x	x	C	C				C	
FMNH	97912	Capra	L	dp4	C	O	x					O/C	
FMNH	97912	Capra	L	M1	x	O	C	C	C	C	C	C	
FMNH	97912	Capra	L	MD	C	x	x					C	C

Museum	Number	Genus	Side	Element	C1	C2	C3	C4	C5	C6	C7	Element Call	Mandible Call
FMNH	97912	Capra	R	dp3	x	C	C	C				C	
FMNH	97912	Capra	R	dp4	C	O	x					O/C	
FMNH	97912	Capra	R	M1	x	O	C	C	C	C	C	C	
FMNH	97912	Capra	R	MD	C	x	x					C	C
FMNH	97916	Capra	L	dp3	C	x	C	C				C	
FMNH	97916	Capra	L	dp4	O	C	x					O/C	
FMNH	97916	Capra	L	M1	x	x	O/C	O	C	C	O/C	O/C	
FMNH	97916	Capra	L	MD	C	x	x					C	O/C
FMNH	97916	Capra	R	dp3	C	x	C	C				C	
FMNH	97916	Capra	R	dp4	O	C	x					O/C	
FMNH	97916	Capra	R	M1	x	x	O/C	O	C	C	O/C	O/C	
FMNH	97916	Capra	R	MD	C	x	x					C	O/C
FMNH	97920	Capra	L	dp3	x	C	C	C				C	
FMNH	97920	Capra	L	dp4	O	C	x					O/C	
FMNH	97920	Capra	L	M1	x	x	O/C	O	C	C	O	O/C	
FMNH	97920	Capra	L	MD	C	x	x					C	O/C
FMNH	97920	Capra	R	dp3	x	C	C	C				C	
FMNH	97920	Capra	R	dp4	O	C	x					O/C	
FMNH	97920	Capra	R	M1	x	x	O/C	O	C	C	O	O/C	
FMNH	97920	Capra	R	MD	C	x	x					C	O/C
FMNH	112505	Capra	L	dp3	C	x	C	C				C	
FMNH	112505	Capra	L	dp4	x	O	x					O	
FMNH	112505	Capra	L	MD	C	x	x					C	O/C
FMNH	112505	Capra	R	dp3	C	x	C	C				C	
FMNH	112505	Capra	R	dp4	x	O	x					O	
FMNH	112505	Capra	R	MD	C	x	x					C	O/C
FMNH	129759	Capra	L	M1	x	x	O	O	C	C	C	C	
FMNH	129759	Capra	L	MD	C	x	x					C	C
FMNH	129759	Capra	R	dp3	x	x	C	C				C	
FMNH	129759	Capra	R	dp4	x	C	x					C	

Museum	Number	Genus	Side	Element	C1	C2	C3	C4	C5	C6	C7	Element Call	Mandible Call
FMNH	129759	Capra	R	M1	x	x	O	O	C	C	C	C	
FMNH	129759	Capra	R	MD	C	x	x					C	C
FMNH	180661	Capra	L	dp3	x	C	C	C				C	
FMNH	180661	Capra	L	dp4	O	O	x					O	
FMNH	180661	Capra	L	MD	C	x	x					C	C
FMNH	180661	Capra	R	dp3	x	C	C	C				C	
FMNH	180661	Capra	R	dp4	O	O	x					O	
FMNH	180661	Capra	R	MD	C	x	x					C	C
NMNH	37777	Capra	L	P3	C	O/C	C	C				C	
NMNH	37777	Capra	L	P4	C	x	C	O				C	
NMNH	37777	Capra	L	M1	x	O	O	C	O	x	x	O	
NMNH	37777	Capra	L	M2	-	-	x	C	O	x	x	O	
NMNH	37777	Capra	L	M3	C	O	O/C	C	O	O	O/C	O/C	
NMNH	37777	Capra	L	MD	C	C	C					C	O/C
NMNH	37777	Capra	R	P3	C	C	C	O				C	
NMNH	37777	Capra	R	P4	C	C	C	O				C	
NMNH	37777	Capra	R	M1	x	O	x	C	O	x	x	O	
NMNH	37777	Capra	R	M2	-	-	x	C	O	x	x	O/C	
NMNH	37777	Capra	R	M3	O/C	C	O/C	O	C	C	O/C	O/C	
NMNH	37777	Capra	R	MD	C	C	C					C	O/C
NMNH	38690	Capra	L	dp3	x	C	O	O				O	
NMNH	38690	Capra	L	dp4	O/C	O	x					O/C	
NMNH	38690	Capra	L	M1	x	O	O	O	C	C	C	O/C	
NMNH	38690	Capra	L	M2	-	-	O	O	C	C	x	O/C	
NMNH	38690	Capra	L	MD	O	x	x					O	O/C
NMNH	38690	Capra	R	dp3	x	C	O/C	O				O/C	
NMNH	38690	Capra	R	dp4	O/C	O	x					O/C	
NMNH	38690	Capra	R	M1	x	O	O	O	C	C	C	O/C	
NMNH	38690	Capra	R	M2	-	-	O	O	C	C	x	O/C	
NMNH	38690	Capra	R	MD	O	x	x					O	O/C

Museum	Number	Genus	Side	Element	C1	C2	C3	C4	C5	C6	C7	Element Call	Mandible Call
NMNH	61704	Capra	L	P3	x	x	x	x				x	
NMNH	61704	Capra	L	P4	O/C	C	O/C	x				O/C	
NMNH	61704	Capra	L	M1	x	O	C	O	C	O	O	O	
NMNH	61704	Capra	L	M2	-	-	C	O	C	C	O/C	C	
NMNH	61704	Capra	L	MD	O	x	x					O	O/C
NMNH	61704	Capra	R	P3	C	C	C	C				C	
NMNH	61704	Capra	R	P4	O/C	C	C	O/C				O/C	
NMNH	61704	Capra	R	M1	x	O	C	O	C	C	O	O/C	
NMNH	61704	Capra	R	M2	-	-	C	O	C	C	O	C	
NMNH	61704	Capra	R	MD	C	x	x					C	C
NMNH	123657	Capra	L	P3	C	C	C	O/C				C	
NMNH	123657	Capra	L	P4	O	C	C	x				C	
NMNH	123657	Capra	L	M1	x	O	C	C	C	x	x	C	
NMNH	123657	Capra	L	M2	-	-	C	O/C	C	C	C	C	
NMNH	123657	Capra	L	M3	C	O/C	C	O	O	C	C	C	
NMNH	123657	Capra	L	MD	C	C	C					C	C
NMNH	123657	Capra	R	P3	C	C	C	O/C				C	
NMNH	123657	Capra	R	P4	O	O	C	C				O/C	
NMNH	123657	Capra	R	M1	x	O	C	C	C	x	x	C	
NMNH	123657	Capra	R	M2	-	-	C	C	C	C	C	C	
NMNH	123657	Capra	R	M3	C	O	C	O	O	C	C	C	
NMNH	123657	Capra	R	MD	C	C	C					C	C
NMNH	155623	Capra	L	P3	x	x	x	x				x	
NMNH	155623	Capra	L	P4	x	x	x	x				x	
NMNH	155623	Capra	L	M1	x	O	x	x	O	x	x	O	
NMNH	155623	Capra	L	M2	-	-	O	C	O	x	x	O	
NMNH	155623	Capra	L	M3	C	C	O/C	O	C	C	C	C	
NMNH	155623	Capra	L	MD	C	C	C					C	O/C
NMNH	155623	Capra	R	P3	x	x	x	x				x	
NMNH	155623	Capra	R	P4	x	x	x	x				x	
NMNH	155623	Capra	R	M1	x	O	x	x	O	x	x	O	

Museum	Number	Genus	Side	Element	C1	C2	C3	C4	C5	C6	C7	Element Call	Mandible Call
NMNH	155623	Capra	R	M2	-	-	O	C	O	x	x	O	
NMNH	155623	Capra	R	M3	C	C	O/C	O	C	C	C	C	
NMNH	155623	Capra	R	MD	C	C	C					C	O/C
NMNH	200328	Capra	L	P3	C	C	C	C				C	
NMNH	200328	Capra	L	P4	C	C	C	C				C	
NMNH	200328	Capra	L	M1	x	O	O	C	C	x	x	O/C	
NMNH	200328	Capra	L	M2	-	-	O	x	C	C	C	C	
NMNH	200328	Capra	L	M3	O	O	C	x	x	x	x	O	
NMNH	200328	Capra	L	MD	C	C	x					C	C
NMNH	200328	Capra	R	P3	C	C	C	C				C	
NMNH	200328	Capra	R	P4	C	C	C	C				C	
NMNH	200328	Capra	R	M1	x	O	O	C	C	x	x	O/C	
NMNH	200328	Capra	R	M2	-	-	O	O	C	x	x	O	
NMNH	200328	Capra	R	M3	O	O	C	x	x	x	x	O	
NMNH	200328	Capra	R	MD	C	C	x					C	O/C
NMNH	268922	Capra	L	P3	O	C	C	O				O/C	
NMNH	268922	Capra	L	P4	O	O	C	O				O	
NMNH	268922	Capra	L	M1	x	O	x	x	O	x	x	O	
NMNH	268922	Capra	L	M2	-	-	C	C	x	x	x	C	
NMNH	268922	Capra	L	M3	C	C	O	O	C	O	x	C	
NMNH	268922	Capra	L	MD	C	C	C					C	O/C
NMNH	268922	Capra	R	P3	x	x	x	O				O	
NMNH	268922	Capra	R	P4	C	O/C	x	O				O/C	
NMNH	268922	Capra	R	M1	x	O	x	x	x	x	x	O	
NMNH	268922	Capra	R	M2	-	-	C	C	O	x	x	C	
NMNH	268922	Capra	R	M3	C	C	O	O	C	O	x	C	
NMNH	268922	Capra	R	MD	C	C	C					C	O/C
NMNH	327096	Capra	L	P3	C	C	C	C				C	
NMNH	327096	Capra	L	P4	C	O/C	C	C				C	
NMNH	327096	Capra	L	M1	x	O	C	C	C	O/C	x	C	
NMNH	327096	Capra	L	M2	-	-	C	O	C	C	C	C	



Museum	Number	Genus	Side	Element	C1	C2	C3	C4	C5	C6	C7	Element Call	Mandible Call
NMNH	327096	Capra	L	M3	C	O	C	C	C	C	C	C	
NMNH	327096	Capra	L	MD	C	x	x					C	C
NMNH	327096	Capra	R	P3	C	C	C	C				C	
NMNH	327096	Capra	R	P4	C	O/C	C	C				C	
NMNH	327096	Capra	R	M1	x	O	O/C	C	C	O/C	x	O/C	
NMNH	327096	Capra	R	M2	-	-	O/C	O/C	C	C	C	C	
NMNH	327096	Capra	R	M3	O/C	C	C	O	O/C	C	C	O/C	
NMNH	327096	Capra	R	MD	O	O/C	O					O	O/C
NMNH	327097	Capra	L	P3	C	C	C	C				C	
NMNH	327097	Capra	L	P4	O	C	C	C				C	
NMNH	327097	Capra	L	M1	x	O	C	O	C	C	C	C	
NMNH	327097	Capra	L	M2	-	-	C	O	C	O	C	C	
NMNH	327097	Capra	L	MD	C	O/C	O					O/C	C
NMNH	327097	Capra	R	P3	C	C	C	C				C	
NMNH	327097	Capra	R	P4	O	C	C	C				C	
NMNH	327097	Capra	R	M1	x	O	C	O	C	C	C	C	
NMNH	327097	Capra	R	M2	-	-	C	O	C	C	C	C	
NMNH	327097	Capra	R	MD	C	x	x					C	C
NMNH	328580	Capra	L	P3	C	C	O/C	C				C	
NMNH	328580	Capra	L	P4	x	x	C	x				C	
NMNH	328580	Capra	L	M1	x	O	C	x	O/C	x	x	O/C	
NMNH	328580	Capra	L	M2	-	-	C	O	C	O	C	C	
NMNH	328580	Capra	L	M3	C	C	O/C	x	x	x	x	C	
NMNH	328580	Capra	L	MD	C	x	x					C	C
NMNH	328580	Capra	R	P3	C	C	C	C				C	
NMNH	328580	Capra	R	P4	x	C	x	O/C				O/C	
NMNH	328580	Capra	R	M1	x	O	C	C	C	O	O/C	O/C	
NMNH	328580	Capra	R	M2	-	-	C	O	C	O	C	C	
NMNH	328580	Capra	R	M3	C	O	O/C	x	x	x	x	O/C	
NMNH	328580	Capra	R	MD	C	x	x					C	C
NMNH	328581	Capra	L	P3	O	C	O	O				O	

Museum	Number	Genus	Side	Element	C1	C2	C3	C4	C5	C6	C7	Element Call	Mandible Call
NMNH	328581	Capra	L	P4	C		C	O/C				C	
NMNH	328581	Capra	L	M1	x	O	O/C	O	C	x	x	O/C	
NMNH	328581	Capra	L	M2	-	-	C	O	C	O	O/C	O/C	
NMNH	328581	Capra	L	M3	C	C	C	O	C	O	C	C	
NMNH	328581	Capra	L	MD	C	C	C					C	O/C
NMNH	328581	Capra	R	P3	O	C	O	O				O	
NMNH	328581	Capra	R	P4	C	C	O	O				O/C	
NMNH	328581	Capra	R	M1	x	O	O/C	O/C	C	x	x	O/C	
NMNH	328581	Capra	R	M2	-	-	C	O	C	O	O/C	O/C	
NMNH	328581	Capra	R	M3	C	C	C	O/C	C	C	C	C	
NMNH	328581	Capra	R	MD	C	C	C					C	O/C
NMNH	328583	Capra	L	P3	C	C	C	C				C	
NMNH	328583	Capra	L	P4	C	C	C	c				C	
NMNH	328583	Capra	L	M1	x	O	O	C	O	x	x	O	
NMNH	328583	Capra	L	M2	-	-	C	C	C	O	C	C	
NMNH	328583	Capra	L	M3	C	O	O	O	C	O	C	O	
NMNH	328583	Capra	L	MD	C	C	C					C	C
NMNH	328583	Capra	R	M1	x	O	O	C	O	x	x	O	
NMNH	328583	Capra	R	M2	-	-	C	O	O/C	O	C	O/C	
NMNH	328583	Capra	R	M3	O	C	O	O	C	O	C	O	
NMNH	328583	Capra	R	MD	C	C	C					C	O/C
NMNH	396071	Capra	L	P3	C	C	C	C				C	
NMNH	396071	Capra	L	P4	O/C	O/C	C	C				O/C	
NMNH	396071	Capra	L	M1	x	C	C	C	C	O	C	C	
NMNH	396071	Capra	L	M2	-	-	C	C	C	O	C	C	
NMNH	396071	Capra	L	M3	O/C	O/C	C	O/C	O/C	C	C	O/C	
NMNH	396071	Capra	L	MD	C	O/C	C					C	C
NMNH	396071	Capra	R	P3	C	C	O/C	C				C	
NMNH	396071	Capra	R	P4	O	x	C	x				O/C	
NMNH	396071	Capra	R	M1	x	C	C	C	C	O	x	C	
NMNH	396071	Capra	R	M2	-	-	C	C	C	O	C	C	

Museum	Number	Genus	Side	Element	C1	C2	C3	C4	C5	C6	C7	Element Call	Mandible Call
NMNH	396071	Capra	R	M3	C	O/C	C	O/C	O	C	C	O/C	
NMNH	396071	Capra	R	MD	C	C	C					C	C
NMNH	A00720	Capra	L	dp3	x	C	C	C				C	
NMNH	A00720	Capra	L	dp4	O/C	O	x					O/C	
NMNH	A00720	Capra	L	M1	x	O	O	C	O/C	C	x	O/C	
NMNH	A00720	Capra	L	M2	-	-	O	O	C	C	x	O/C	
NMNH	A00720	Capra	L	MD	C	x	x					C	O/C
NMNH	A00720	Capra	R	dp3	x	C	C	C				C	
NMNH	A00720	Capra	R	dp4	O/C	O	x					O/C	
NMNH	A00720	Capra	R	M1	x	O	O	C	O/C	C	x	O/C	
NMNH	A00720	Capra	R	M2	-	-	O	O	C	C	x	O/C	
NMNH	A00720	Capra	R	MD	C	x	x					C	O/C
NMNH	A07671	Capra	L	dp3	C	x	C	C				C	
NMNH	A07671	Capra	L	dp4	O	O	x					O	
NMNH	A07671	Capra	L	MD	C	x	x					C	C
NMNH	A07671	Capra	R	dp3	O/C	x	C	C				C	
NMNH	A07671	Capra	R	dp4	O	O	x					O	
NMNH	A07671	Capra	R	MD	C	x	x					C	C
NMNH	A35522	Capra	L	P4	O	C	C	O/C				O/C	
NMNH	A35522	Capra	L	M1	x	O	x	O	C	x	x	O	
NMNH	A35522	Capra	L	M2	-	-	C	O	C	C	O	C	
NMNH	A35522	Capra	L	MD	C	x	x					C	O/C
NMNH	A35522	Capra	R	P4	O	C	C	x				C	
NMNH	A35522	Capra	R	M1	x	O	C	O	C	C	O	O/C	
NMNH	A35522	Capra	R	M2	-	-	C	O	C	C	O	C	
NMNH	A35522	Capra	R	MD	C	x	x					C	C
NMNH	A35524	Capra	L	P3	C	C	C	O/C				C	
NMNH	A35524	Capra	L	P4	C	C	C	O/C				C	
NMNH	A35524	Capra	L	M1	x	O	O/C	C	C	x	x	O/C	
NMNH	A35524	Capra	L	M2	-	-	C	C	C	O	x	C	

Museum	Number	Genus	Side	Element	C1	C2	C3	C4	C5	C6	C7	Element Call	Mandible Call
NMNH	A35524	Capra	L	M3	C	C	C	O/C	C	O		C	
NMNH	A35524	Capra	L	MD	C	C	C					C	C
NMNH	A35524	Capra	R	P3	C	C	C	O/C				C	
NMNH	A35524	Capra	R	P4	C	C	C	C				C	
NMNH	A35524	Capra	R	M1	x	O	O/C	C	C	x	x	O/C	
NMNH	A35524	Capra	R	M2	-	-	C	C	C	O	x	C	
NMNH	A35524	Capra	R	M3	C	C	C	C	C	O	O	C	
NMNH	A35524	Capra	R	MD	C	C	O					C	C
FMNH	52425	Ovis	L	dp3	O	x	O	O				O	
FMNH	52425	Ovis	L	MD	C	x	x					C	O
FMNH	52425	Ovis	R	dp3	O	x	O	O				O	
FMNH	52425	Ovis	R	MD	O	x	x					O	O
FMNH	52426	Ovis	L	dp3	O	x	O	O				O	
FMNH	52426	Ovis	L	MD	O	x	x					O	O
FMNH	52426	Ovis	R	dp3	O	x	O	O				O	
FMNH	52426	Ovis	R	MD	O	x	x					O	O
FMNH	58020	Ovis	L	dp3	x	C	C	C				C	
FMNH	58020	Ovis	L	dp4	O	O	x					O	
FMNH	58020	Ovis	L	M1	x	O	O/C	O	C	C	C	O/C	
FMNH	58020	Ovis	L	MD	C	x	x					C	O/C
FMNH	58020	Ovis	R	dp3	x	C	C	C				C	
FMNH	58020	Ovis	R	dp4	O	O	x					O	
FMNH	58020	Ovis	R	M1	x	O	O/C	O	C	C	C	O/C	
FMNH	58020	Ovis	R	MD	C	x	x					C	O/C
FMNH	58022	Ovis	L	dp3	x	O	O	O				O	
FMNH	58022	Ovis	L	dp4	C	O	x					O/C	
FMNH	58022	Ovis	L	M1	x	O	O	O	O	O	O	O	
FMNH	58022	Ovis	L	MD	C	x	x					C	O/C
FMNH	58022	Ovis	R	dp3	x	O	O	O				O	
FMNH	58022	Ovis	R	dp4	C	O	x					O/C	

Museum	Number	Genus	Side	Element	C1	C2	C3	C4	C5	C6	C7	Element Call	Mandible Call
FMNH	58022	Ovis	R	M1	x	O	O	O	O	O	O	O	
FMNH	58022	Ovis	R	MD	O	x	x					O	O
FMNH	58024	Ovis	L	dp3	x	O	O	O				O	
FMNH	58024	Ovis	L	dp4	C	O	x					O/C	
FMNH	58024	Ovis	L	M1	x	O	O	O	O/C	O	O/C	O	
FMNH	58024	Ovis	L	MD	O	x	x					O	O
FMNH	58024	Ovis	R	dp3	x	O	O	O				O	
FMNH	58024	Ovis	R	dp4	O	O	x					O	
FMNH	58024	Ovis	R	M1	x	O	O	O	O	O	O/C	O	
FMNH	58024	Ovis	R	MD	O	x	x					O	O
FMNH	58039	Ovis	L	dp3	x	O	O/C	O/C				O/C	
FMNH	58039	Ovis	L	dp4	O	O	x					O	
FMNH	58039	Ovis	L	M1	x	O	O/C	O	C	C	O/C	O/C	
FMNH	58039	Ovis	L	MD	O	x	x					O	O/C
FMNH	58039	Ovis	R	dp3	x	O	O/C	O/C				O/C	
FMNH	58039	Ovis	R	dp4	O	O	x					O	
FMNH	58039	Ovis	R	M1	x	O	O/C	O	C	C	O/C	O/C	
FMNH	58039	Ovis	R	MD	O	x	x					O	O/C
FMNH	58057	Ovis	L	dp3	O	x	O/C	O				O	
FMNH	58057	Ovis	L	dp4	x	C	x					C	
FMNH	58057	Ovis	L	MD	C	x	x					C	C
FMNH	58057	Ovis	R	dp3	O	x	O/C	O				O	
FMNH	58057	Ovis	R	dp4	x	C	x					C	
FMNH	58057	Ovis	R	MD	C	x	x					C	C
FMNH	58069	Ovis	L	dp3	O	x	O/C	O/C				O	
FMNH	58069	Ovis	L	dp4	x	O	x					O	
FMNH	58069	Ovis	L	MD	C	x	x					C	O
FMNH	58069	Ovis	R	dp3	O	x	O/C	O				O	
FMNH	58069	Ovis	R	dp4	x	O	x					O	
FMNH	58069	Ovis	R	MD	C	x	x					C	O/C

Museum	Number	Genus	Side	Element	C1	C2	C3	C4	C5	C6	C7	Element Call	Mandible Call
FMNH	58072	Ovis	L	dp3	O	x	C	C				C	
FMNH	58072	Ovis	L	dp4	x	O	x					O	
FMNH	58072	Ovis	L	MD	C	x	x					C	C
FMNH	58072	Ovis	R	dp3	O	x	C	C				C	
FMNH	58072	Ovis	R	dp4	x	O	x					O	
FMNH	58072	Ovis	R	MD	C	x	x					C	C
FMNH	58094	Ovis	L	dp3	x	O	O/C	C				O/C	
FMNH	58094	Ovis	L	dp4	O	O	x					O	
FMNH	58094	Ovis	L	M1	x	O	O	O	O/C	O	O	O	
FMNH	58094	Ovis	L	MD	C	x	x					C	O/C
FMNH	58094	Ovis	R	dp3	x	O	O/C	C				O/C	
FMNH	58094	Ovis	R	dp4	O	O	x					O	
FMNH	58094	Ovis	R	M1	x	O	O	O	O/C	O	O	O	
FMNH	58094	Ovis	R	MD	C	x	x					O/C	O/C
FMNH	84488	Ovis	L	dp3	x	O	O	O				O	
FMNH	84488	Ovis	L	dp4	O/C	O	x					O/C	
FMNH	84488	Ovis	L	M1	x	O	O	O	C	O/C	O	O	
FMNH	84488	Ovis	L	MD	O	x	x					O	O
FMNH	84488	Ovis	R	dp3	x	O	O	O				O	
FMNH	84488	Ovis	R	dp4	O/C	O	x					O	
FMNH	84488	Ovis	R	M1	x	O	C	O	C	O/C	O	O/C	
FMNH	84488	Ovis	R	MD	C	x	x					C	O/C
FMNH	97959	Ovis	L	dp3	x	O	O	O				O	
FMNH	97959	Ovis	L	dp4	x	O	x					O	
FMNH	97959	Ovis	L	M1	x	x	C	O	C	O/C	O/C	O/C	
FMNH	97959	Ovis	L	MD	O	x	x					O	O
FMNH	97959	Ovis	R	dp3	x	O	O	O				O	
FMNH	97959	Ovis	R	dp4	x	O	x					O	
FMNH	97959	Ovis	R	M1	x	O	C	O	C	O/C	O/C	O/C	
FMNH	97959	Ovis	R	MD	O	x	x					O	O

Museum	Number	Genus	Side	Element	C1	C2	C3	C4	C5	C6	C7	Element Call	Mandible Call
FMNH	97986	Ovis	L	dp3	x	O	O	O				O	
FMNH	97986	Ovis	L	dp4	x	O	x					O	
FMNH	97986	Ovis	L	M1	x	O	O	O	C	C	O/C	O/C	
FMNH	97986	Ovis	L	MD	C	x	x					C	O/C
FMNH	97986	Ovis	R	dp3	x	O	O	O				O	
FMNH	97986	Ovis	R	dp4	x	O	x					O	
FMNH	97986	Ovis	R	M1	x	O	O	O	C	O/C	O/C	O/C	
FMNH	97986	Ovis	R	MD	O	x	x					O	O
NMNH	37933	Ovis	L	dp3	x	O/C	O/C	O/C				O/C	
NMNH	37933	Ovis	L	dp4	C	O	x					O/C	
NMNH	37933	Ovis	L	M1	x	O	O	O	O	C	O	O	
NMNH	37933	Ovis	L	MD	C	x	x					C	O/C
NMNH	37933	Ovis	R	dp3	x	O/C	C	O/C				O/C	
NMNH	37933	Ovis	R	dp4	C	C	x					C	
NMNH	37933	Ovis	R	M1	x	O	O	O	O	C	O	O	
NMNH	37933	Ovis	R	MD	O	x	x					O	O/C
NMNH	38515	Ovis	L	P3	O	C	O/C	C				O/C	
NMNH	38515	Ovis	L	P4	O	O	O	O				O	
NMNH	38515	Ovis	L	M1	x	O	C	O	O	x	x	O	
NMNH	38515	Ovis	L	M3	O	O	O	O	O/C	C	C	O	
NMNH	38515	Ovis	L	MD	O	O	O					O	O
NMNH	38515	Ovis	R	P3	O	O	O/C	C				O/C	
NMNH	38515	Ovis	R	P4	O	O	O	x				O	
NMNH	38515	Ovis	R	M1	x	O	O	C	O	x	x	O	
NMNH	38515	Ovis	R	M2	-	-	O	O	O	C	C	O	
NMNH	38515	Ovis	R	M3	O	O	O	O	O/C	C	C	O	
NMNH	38515	Ovis	R	MD	C	O	x					O/C	O
NMNH	141909	Ovis	L	dp3	O	x	O/C	O				O	
NMNH	141909	Ovis	L	dp4	O	O	x					O	
NMNH	141909	Ovis	L	MD	O	x	x					O	O

Museum	Number	Genus	Side	Element	C1	C2	C3	C4	C5	C6	C7	Element Call	Mandible Call
NMNH	141909	Ovis	R	dp3	O	x	O/C	O				O	
NMNH	141909	Ovis	R	dp4	O	O	x					O	
NMNH	141909	Ovis	R	MD	O	x	x					O	O
NMNH	151656	Ovis	L	P3	C	O	O	O/C				O/C	
NMNH	151656	Ovis	L	P4	O	O	O	O				O	
NMNH	151656	Ovis	L	M1	x	O	O	C	O/C	x	x	O/C	
NMNH	151656	Ovis	L	M2	-	-	O	O	C	O	O	O	
NMNH	151656	Ovis	L	M3	O	O	C	O/C	C	O	O	O	
NMNH	151656	Ovis	L	MD	C	C	O					C	O/C
NMNH	151656	Ovis	R	P3	C	O	O	O/C				O/C	
NMNH	151656	Ovis	R	P4	O	O	O	O				O	
NMNH	151656	Ovis	R	M1	x	O	O	C	O/C	x	x	O/C	
NMNH	151656	Ovis	R	M2	-	-	O	O	C	O	O	O	
NMNH	151656	Ovis	R	M3	O	O	C	O/C	C	O	O	O	
NMNH	151656	Ovis	R	MD	O	O	O					O	O
NMNH	155448	Ovis	L	P3	x	x	x	O				O	
NMNH	155448	Ovis	L	P4	x	O	O	O				O	
NMNH	155448	Ovis	L	M1	x	O	C	C	C	x	x	C	
NMNH	155448	Ovis	L	M2	-	-	x	C	C	x	x	C	
NMNH	155448	Ovis	L	M3	C	O	C	O	O	O	x	O	
NMNH	155448	Ovis	L	MD	C	C	C					C	O/C
NMNH	155448	Ovis	R	P3	x	x	x	O				O	
NMNH	155448	Ovis	R	P4	x	O	O	O				O	
NMNH	155448	Ovis	R	M1	x	O	C	C	C	x	x	C	
NMNH	155448	Ovis	R	M2	-	-	x	O	C	x	x	O/C	
NMNH	155448	Ovis	R	M3	C	x	C	O	O	O	C	O/C	
NMNH	155448	Ovis	R	MD	C	C	C					C	O/C
NMNH	155451	Ovis	R	dP3	O	x	O	O				O	
NMNH	155451	Ovis	R	dp4	O	O	x					O	
NMNH	155451	Ovis	R	MD	C	x	x					C	O
NMNH	175023	Ovis	L	dp3	x	C	O	O				O	



Museum	Number	Genus	Side	Element	C1	C2	C3	C4	C5	C6	C7	Element Call	Mandible Call
NMNH	175023	Ovis	L	dp4	C	O	x					O/C	
NMNH	175023	Ovis	L	M1	x	O	O	O	O/C	O	O	O	
NMNH	175023	Ovis	L	M2	-	-	O	O	O/C	O	O	O	
NMNH	175023	Ovis	L	MD	O	O	x					O	O
NMNH	175023	Ovis	R	dp3	x	C	O	O				O	
NMNH	175023	Ovis	R	dp4	C	O	x					O/C	
NMNH	175023	Ovis	R	M1	x	O	O	O	O/C	O	O	O	
NMNH	175023	Ovis	R	M2	-	-	O	O	O/C	O	O	O	
NMNH	175023	Ovis	R	MD	O	O	x					O	O
NMNH	175590	Ovis	L	P3	O	O	O	O				O	
NMNH	175590	Ovis	L	P4	O	C	O	O				O	
NMNH	175590	Ovis	L	M3	O	O	O	O	C	O	x	O	
NMNH	175590	Ovis	L	MD	O	O	C					O	O
NMNH	175590	Ovis	R	P3	O	O	O	O				O	
NMNH	175590	Ovis	R	P4	O	O	O	O				O	
NMNH	175590	Ovis	R	M1	x	O	O	O	O	x	x	O	
NMNH	175590	Ovis	R	M2	-	-	O	O	O	O	x	O	
NMNH	175590	Ovis	R	M3	O	O	O	O	C	O	O	O	
NMNH	175590	Ovis	R	MD	O	O	O					O	O
NMNH	198442	Ovis	L	P3	O	O	O	O				O	
NMNH	198442	Ovis	L	P4	O/C	O/C	O	O				O/C	
NMNH	198442	Ovis	L	M1	x	O	O	O	O	x	x	O	
NMNH	198442	Ovis	L	M2	-	-	O	O	O	C	C	O	
NMNH	198442	Ovis	L	M3	O	O	O	O	O/C	C	C	O	
NMNH	198442	Ovis	L	MD	O	O	O					O	O
NMNH	198442	Ovis	R	P3	O	O	O	O/C				O	
NMNH	198442	Ovis	R	P4	O/C	O	O/C	O				O/C	
NMNH	198442	Ovis	R	M1	x	O	O	O	O	x	x	O	
NMNH	198442	Ovis	R	M2	-	-	O	O	O	C	C	O	
NMNH	198442	Ovis	R	M3	O	O	O	O	O/C	C	C	O	
NMNH	198442	Ovis	R	MD	C	O	O					O	O

Museum	Number	Genus	Side	Element	C1	C2	C3	C4	C5	C6	C7	Element Call	Mandible Call
NMNH	240689	Ovis	L	P3	O	C	C	O/C				O/C	
NMNH	240689	Ovis	L	P4	O	O/C	O/C	O/C				O/C	
NMNH	240689	Ovis	L	M1	x	O	O	O	O	x	x	O	
NMNH	240689	Ovis	L	M2	-	-	O	O	O	O	O	O	
NMNH	240689	Ovis	L	M3	O	O	O	x	x	O	O	O	
NMNH	240689	Ovis	L	MD	O	O	C					O	O
NMNH	240689	Ovis	R	P3	O	C	C	O/C				O/C	
NMNH	240689	Ovis	R	P4	O	O/C	C	O/C				O/C	
NMNH	240689	Ovis	R	M2	-	-	O	O	O	O	O	O	
NMNH	240689	Ovis	R	M3	O	O	O	x	x	O	O	O	
NMNH	240689	Ovis	R	MD	O	O	O					O	O
NMNH	240690	Ovis	L	P3	O	C	C	O				O	
NMNH	240690	Ovis	L	P4	O	O	C	O				O	
NMNH	240690	Ovis	L	M1	x	O	O	C	O	x	x	O	
NMNH	240690	Ovis	L	M2	-	-	O	O	O	O	C	O	
NMNH	240690	Ovis	L	M3	O	O	O	O	C	O	C	O	
NMNH	240690	Ovis	L	MD	O	O	O					O	O
NMNH	240690	Ovis	R	P3	C	C	C	O				C	
NMNH	240690	Ovis	R	P4	O/C	O	O/C	O				O/C	
NMNH	240690	Ovis	R	M2	-	-	O	O	O	O	x	O	
NMNH	240690	Ovis	R	M3	O	O	O	O	C	O	C	O	
NMNH	240690	Ovis	R	MD	O	O	O					O	O
NMNH	250614	Ovis	L	P3	O	O	O	O				O	
NMNH	250614	Ovis	L	P4	O	O	O	O				O	
NMNH	250614	Ovis	L	M1	x	O	C	C	C	x	x	C	
NMNH	250614	Ovis	L	M2	-	-	C	O	C	O	O	O	
NMNH	250614	Ovis	L	M3	O	O	C	C	O	O	O	O	
NMNH	250614	Ovis	L	MD	O	O	C					O	O
NMNH	250614	Ovis	R	P3	O	O	O	O				O	
NMNH	250614	Ovis	R	P4	O	O	O	O				O	
NMNH	250614	Ovis	R	M1	x	O	C	C	C	O	x	C	

Museum	Number	Genus	Side	Element	C1	C2	C3	C4	C5	C6	C7	Element Call	Mandible Call
NMNH	250614	Ovis	R	M2	-	-	C	O	C	O	O	O	
NMNH	250614	Ovis	R	M3	O	x	C	C	O	O	O	O	
NMNH	250614	Ovis	R	MD	C	O	O					O	O
NMNH	252544	Ovis	L	dp4	O	x	O/C					O	
NMNH	252544	Ovis	L	dp4	O	C	x					O/C	
NMNH	252544	Ovis	L	M1	x	O	O	O	O/C	C	O	O	
NMNH	252544	Ovis	L	MD	O	x	x					O	O
NMNH	252544	Ovis	R	dp3	O	x	O/C	O				O	
NMNH	252544	Ovis	R	dp4	O	C	x					O/C	
NMNH	252544	Ovis	R	M1	x	O	O	O	O/C	C	O	O	
NMNH	252544	Ovis	R	MD	O	x	x					O	O
NMNH	254590	Ovis	L	P3	O	O	O	O				O	
NMNH	254590	Ovis	L	P4	O	O	O	O				O	
NMNH	254590	Ovis	L	M1	x	O	O	O	O	x	x	O	
NMNH	254590	Ovis	L	M2	-	-	O	O	O	O	O	O	
NMNH	254590	Ovis	L	M3	O	O	O	O	O/C	O	O	O	
NMNH	254590	Ovis	L	MD	O	O	C					O	O
NMNH	254590	Ovis	R	P3	C	O	O	C				O/C	
NMNH	254590	Ovis	R	P4	O	O	O	O				O	
NMNH	254590	Ovis	R	M1	x	O	O	O	O	x	x	O	
NMNH	254590	Ovis	R	M2	-	-	O	O	O	O	O	O	
NMNH	254590	Ovis	R	M3	O	O	O	O	O/C	O	O	O	
NMNH	254590	Ovis	R	MD	O	O	C					O	O
NMNH	254987	Ovis	L	P3	O	O	O	O				O	
NMNH	254987	Ovis	L	P4	C	O	O	O				O	
NMNH	254987	Ovis	L	M1	x	O	O	O	O/C	x	x	O	
NMNH	254987	Ovis	L	M2	-	-	O	O	O/C	C	C	O/C	
NMNH	254987	Ovis	L	M3	O	O	O	O	O	O/C	O/C	O	
NMNH	254987	Ovis	L	MD	O	O	O					O	O
NMNH	254987	Ovis	R	P3	O	O	O	O				O	
NMNH	254987	Ovis	R	P4	O	O	O	O				O	

Museum	Number	Genus	Side	Element	C1	C2	C3	C4	C5	C6	C7	Element Call	Mandible Call
NMNH	254987	Ovis	R	M1	x	O	O	C	O	x	x	O	
NMNH	254987	Ovis	R	M2	-	-	O	O	O	C	C	O	
NMNH	254987	Ovis	R	M3	O	O	O	O	C	O/C	O/C	O	
NMNH	254987	Ovis	R	MD	O	O	O					O	O
NMNH	255418	Ovis	L	dp4	O	x	C					O	
NMNH	255418	Ovis	L	dp4	O	O	x					O	
NMNH	255418	Ovis	L	M1	x	x	O/C	O	C	x	x	O/C	
NMNH	255418	Ovis	L	MD	O	x	x					O	O
NMNH	255418	Ovis	R	dp3	O	x	C	O				O	
NMNH	255418	Ovis	R	dp4	O	O	x					O	
NMNH	255418	Ovis	R	M1	x	x	O/C	O	C	x	x	O/C	
NMNH	255418	Ovis	R	MD	O	x	x					O	O
NMNH	256197	Ovis	L	dp3	O	x	x	O				O	
NMNH	256197	Ovis	L	dp4	x	x	x					x	
NMNH	256197	Ovis	L	MD	O	x	x					O	O
NMNH	256197	Ovis	R	dp3	O	x	x	O				O	
NMNH	256197	Ovis	R	dp4	x	x	x					x	
NMNH	256197	Ovis	R	MD	C	x	x					C	O/C
NMNH	257432	Ovis	L	dp3	O	x	O/C	O				O	
NMNH	257432	Ovis	L	dp4	O	O	x					O	
NMNH	257432	Ovis	L	M1	x	O	O	O	O	C	x	O	
NMNH	257432	Ovis	L	MD	O	x	x					O	O
NMNH	257432	Ovis	R	dp3	O	x	O/C	O				O	
NMNH	257432	Ovis	R	dp4	O	O	x					O	
NMNH	257432	Ovis	R	M1	x	O	O	O	O	C	x	O	
NMNH	257432	Ovis	R	MD	O	x	x					O	O
NMNH	258413	Ovis	L	dp3	O	x	O/C	O/C				O/C	
NMNH	258413	Ovis	L	dp4	O	O	x					O	
NMNH	258413	Ovis	L	MD	C	x	x					C	O/C
NMNH	258413	Ovis	R	dp3	O	x	O/C	O				O	

Museum	Number	Genus	Side	Element	C1	C2	C3	C4	C5	C6	C7	Element Call	Mandible Call
NMNH	258413	Ovis	R	dp4	O	O	x					O	
NMNH	258413	Ovis	R	MD	C	x	x					C	O
NMNH	268451	Ovis	L	P3	O	O	O	x				O	
NMNH	268451	Ovis	L	P4	x	x	x	x				x	
NMNH	268451	Ovis	L	M1	x	O	O	O	O	x	x	O	
NMNH	268451	Ovis	L	M2	-	-	O	O	C	O	O	O	
NMNH	268451	Ovis	L	M3	O	O	O	O	O	O	O	O	
NMNH	268451	Ovis	L	MD	O	O	O					O	O
NMNH	268451	Ovis	R	P3	O	O/C	O	O/C				O/C	
NMNH	268451	Ovis	R	P4	C	C	C	O/C				C	
NMNH	268451	Ovis	R	M1	x	O	O	O	O	O	O	O	
NMNH	268451	Ovis	R	M2	-	-	O	O	C	O	O	O	
NMNH	268451	Ovis	R	M3	O	O	O	O	O	O	O	O	
NMNH	268451	Ovis	R	MD	O	O	O					O	O
NMNH	271747	Ovis	L	P3	O	O	C	C				O/C	
NMNH	271747	Ovis	L	P4	O	O	O	x				O	
NMNH	271747	Ovis	L	M1	x	O	O	O	O/C	O	C	O	
NMNH	271747	Ovis	L	M2	-	-	O	O	O/C	O	O	O	
NMNH	271747	Ovis	L	MD	O	x	x					O	O
NMNH	271747	Ovis	R	P3	O	O	O/C	C				O/C	
NMNH	271747	Ovis	R	P4	O	C	O	O				O	
NMNH	271747	Ovis	R	M2	-	-	O	O	O/C	O	O	O	
NMNH	271747	Ovis	R	MD	O	x	x					O	O
NMNH	272343	Ovis	L	dp3	O/C	x	O/C	O/C				O/C	
NMNH	272343	Ovis	L	dp4	x	x	x					x	
NMNH	272343	Ovis	L	MD	O	x	x					O	O/C
NMNH	272343	Ovis	R	dp3	O/C	x	O/C	O/C				O/C	
NMNH	272343	Ovis	R	dp4	x	x	x					x	
NMNH	272343	Ovis	R	MD	O	x	x					O	O/C
NMNH	284889	Ovis	L	dp3	x	O	O	O				O	

Museum	Number	Genus	Side	Element	C1	C2	C3	C4	C5	C6	C7	Element Call	Mandible Call
NMNH	284889	Ovis	L	dp4	C	C	x					C	
NMNH	284889	Ovis	L	M1	x	O	O	O	O	C	O	O	
NMNH	284889	Ovis	L	MD	O	x	x					O	O
NMNH	284889	Ovis	R	dp3	x	O	O	O				O	
NMNH	284889	Ovis	R	dp4	C	C	x					C	
NMNH	284889	Ovis	R	M1	x	O	O	O	O	C	O	O	
NMNH	284889	Ovis	R	MD	O	x	x					O	O
NMNH	293762	Ovis	L	P3	O	O	C	O				O	
NMNH	293762	Ovis	L	P4	O	O	O	O				O	
NMNH	293762	Ovis	L	M1	x	O	O	O	O	x	x	O	
NMNH	293762	Ovis	L	M2	-	-	O	O	C	O	O	O	
NMNH	293762	Ovis	L	M3	O	O	O	O	O	O	O	O	
NMNH	293762	Ovis	L	MD	O	C	C					C	O
NMNH	293762	Ovis	R	P3	O	O	C	O				O	
NMNH	293762	Ovis	R	P4	O	O	O	O				O	
NMNH	293762	Ovis	R	M2	-	-	O	O	C	O	O	O	
NMNH	293762	Ovis	R	M3	O	O	O	O	O	O	O	O	
NMNH	293762	Ovis	R	MD	O	C	C					C	O
NMNH	298438	Ovis	L	P3	O	O	O	O				O	
NMNH	298438	Ovis	L	P4	O	O	O	O				O	
NMNH	298438	Ovis	L	M1	x	O	O	O	O	x	x	O	
NMNH	298438	Ovis	L	M2	-	-	O	O	O	O	O	O	
NMNH	298438	Ovis	L	M3	O	O	O	O	C	O	O	O	
NMNH	298438	Ovis	L	MD	O	O	O					O	O
NMNH	298438	Ovis	R	P3	O	O	O	O				O	
NMNH	298438	Ovis	R	P4	O	O	O	O				O	
NMNH	298438	Ovis	R	M1	x	O	O	O	O	x	x	O	
NMNH	298438	Ovis	R	M3	O	O	O	O	C	O	O	O	
NMNH	298438	Ovis	R	MD	O	O	O					O	O
NMNH	327099	Ovis	L	P3	O	O	O	O				O	
NMNH	327099	Ovis	L	P4	O	O	O	O				O	

Museum	Number	Genus	Side	Element	C1	C2	C3	C4	C5	C6	C7	Element Call	Mandible Call
NMNH	327099	Ovis	L	M1	x	O	O	O	O	x	x	O	
NMNH	327099	Ovis	L	M2	-	-	O	O	O	O	O	O	
NMNH	327099	Ovis	L	M3	O	O	O	O	C	O	O	O	
NMNH	327099	Ovis	L	MD	O	O	O					O	O
NMNH	327099	Ovis	R	P3	O	O	O	O				O	
NMNH	327099	Ovis	R	P4	O	O	O	O				O	
NMNH	327099	Ovis	R	M2	-	-	O	O	O	O	O	O	
NMNH	327099	Ovis	R	M3	O	O	O	O	C	O	O	O	
NMNH	327099	Ovis	R	MD	O	O	O					O	O
NMNH	327100	Ovis	L	P3	x	x	x	x				x	
NMNH	327100	Ovis	L	P4	x	x	x	x				x	
NMNH	327100	Ovis	L	M1	x	O	x	O	O	x	x	O	
NMNH	327100	Ovis	L	M2	-	-	O	C	O	x	x	O	
NMNH	327100	Ovis	L	M3	O	O	O	O	C	O	x	O	
NMNH	327100	Ovis	L	MD	O	C	C					C	O
NMNH	327100	Ovis	R	P3	x	x	x	x				x	
NMNH	327100	Ovis	R	P4	x	x	x	x				x	
NMNH	327100	Ovis	R	M1	x	O	O	x	O	x	x	O	
NMNH	327100	Ovis	R	M2	-	-	O	C	O	x	x	O	
NMNH	327100	Ovis	R	M3	O	O	O	x	C	O	x	O	
NMNH	327100	Ovis	R	MD	C	C	C					C	O
NMNH	327101	Ovis	L	dp3	x	O	O	O				O	
NMNH	327101	Ovis	L	dp4	C	O	x					O/C	
NMNH	327101	Ovis	L	M1	x	O	O	O/C	O/C	O	C	O/C	
NMNH	327101	Ovis	L	M2	-	-	O	O	O	O	O	O	
NMNH	327101	Ovis	L	MD	O	x	x					O	O
NMNH	327101	Ovis	R	dp3	x	O	O	O				O	
NMNH	327101	Ovis	R	dp4	C	O	x					O/C	
NMNH	327101	Ovis	R	M1	x	O	O	O	C	O	C	O	
NMNH	327101	Ovis	R	M2	-	-	O	O	O/C	O	O	O	
NMNH	327101	Ovis	R	MD	O	x	x					O	O

Museum	Number	Genus	Side	Element	C1	C2	C3	C4	C5	C6	C7	Element Call	Mandible Call
NMNH	327102	Ovis	L	P3	O	O	C	x				O	
NMNH	327102	Ovis	L	P4	O/C	O	C	C				O/C	
NMNH	327102	Ovis	L	M1	x	O	O	O	O/C	x	x	O	
NMNH	327102	Ovis	L	M2	-	-	O	O	O	C	C	O	
NMNH	327102	Ovis	L	M3	O	O	O	O	C	C	C	O	
NMNH	327102	Ovis	L	MD	O	C	O					O	O
NMNH	327102	Ovis	R	P3	O	C	C	O/C				O/C	
NMNH	327102	Ovis	R	P4	O	O	C	O/C				O	
NMNH	327102	Ovis	R	M2	-	-	O	O	C	C	C	C	
NMNH	327102	Ovis	R	M3	O	O	O/C	O	C	C	C	O/C	
NMNH	327102	Ovis	R	MD	O	O/C	O					O	O/C
NMNH	329356	Ovis	L	P3	O	C	C	C				C	
NMNH	329356	Ovis	L	P4	O	O	O	O				O	
NMNH	329356	Ovis	L	M1	x	O	O	O	C	x	x	O	
NMNH	329356	Ovis	L	M2	-	-	O	O	C	O	O/C	O	
NMNH	329356	Ovis	L	M3	O	O	O	O	C	O	O	O	
NMNH	329356	Ovis	L	MD	C	O	C					C	O
NMNH	329356	Ovis	R	P3	O	C	C	C				C	
NMNH	329356	Ovis	R	P4	O	O	O	O				O	
NMNH	329356	Ovis	R	M2	-	-	O	O	C	O	O	O	
NMNH	329356	Ovis	R	M3	O	O	O	O	C	O	O	O	
NMNH	329356	Ovis	R	MD	C	O	x					O/C	O
NMNH	369905	Ovis	L	P3	O	C	C	O				O/C	
NMNH	369905	Ovis	L	P4	O	O	O	O				O	
NMNH	369905	Ovis	L	M1	x	O	O	O	O/C	O	O	O	
NMNH	369905	Ovis	L	M2	-	-	O	O	O/C	O	O	O	
NMNH	369905	Ovis	L	M3	O	O	O/C	O	O/C	C	C	O/C	
NMNH	369905	Ovis	L	MD	O	O	C					O	O
NMNH	369905	Ovis	R	P3	O	C	C	O				O/C	
NMNH	369905	Ovis	R	P4	O	O	O	O				O	
NMNH	369905	Ovis	R	M1	x	O	O	O	O/C	O	O	O	



Museum	Number	Genus	Side	Element	C1	C2	C3	C4	C5	C6	C7	Element Call	Mandible Call
NMNH	369905	Ovis	R	M2	-	-	O	O	O/C	O	O	O	
NMNH	369905	Ovis	R	M3	O	O	O	O	O/C	C	C	O	
NMNH	369905	Ovis	R	MD	O	O	C					O	O
NMNH	A01238	Ovis	L	P3	O	C	O	O				O	
NMNH	A01238	Ovis	L	P4	O	O	O	O				O	
NMNH	A01238	Ovis	L	M1	x	O	O	O	O	O	O	O	
NMNH	A01238	Ovis	L	M2	-	-	O	O	O	O	O	O	
NMNH	A01238	Ovis	L	M3	O	O	O	O	C	O	O	O	
NMNH	A01238	Ovis	L	MD	C	C	O					C	O
NMNH	A01238	Ovis	R	P3	O	C	O/C	O				O/C	
NMNH	A01238	Ovis	R	P4	O	O	O	O				O	
NMNH	A01238	Ovis	R	M2	-	-	O	O	O	O	O	O	
NMNH	A01238	Ovis	R	M3	O	O	O	O	C	O	O	O	
NMNH	A01238	Ovis	R	MD	O	C	O					O	O
NMNH	A01239	Ovis	L	P3	x	x	x	x				x	
NMNH	A01239	Ovis	L	M2	-	-	O	O	O	x	x	O	
NMNH	A01239	Ovis	L	M3	O	O	O	O	O	x	x	O	
NMNH	A01239	Ovis	L	MD	O	O	O					O	O
NMNH	A01239	Ovis	R	P3	x	x	x	x				x	
NMNH	A01239	Ovis	R	M1	x	O	x	x	O	x	x	O	
NMNH	A01239	Ovis	R	M2	-	-	O	O	O	x	x	O	
NMNH	A01239	Ovis	R	M3	O	O	O	O	O	x	x	O	
NMNH	A01239	Ovis	R	MD	C	O	O					O	O
NMNH	A01353	Ovis	L	P4	O	O	O	O				O	
NMNH	A01353	Ovis	L	M1	x	O	O	C	O	x	x	O	
NMNH	A01353	Ovis	L	M2	-	-	O	O	C	O	O/C	O	
NMNH	A01353	Ovis	L	M3	O	O	C	O	O	O	O	O	
NMNH	A01353	Ovis	L	MD	C	O	O					O	O
NMNH	A01353	Ovis	R	P3	O	O	O	O				O	
NMNH	A01353	Ovis	R	P4	O	O	O	O				O	

Museum	Number	Genus	Side	Element	C1	C2	C3	C4	C5	C6	C7	Element Call	Mandible Call
NMNH	A01353	Ovis	R	M2	-	-	O	O	C	O	O	O	
NMNH	A01353	Ovis	R	M3	O	O	C	O	O	O	O	O	
NMNH	A01353	Ovis	R	MD	C	O	O					O	O
NMNH	A01610	Ovis	L	P3	O	C	O	O				O	
NMNH	A01610	Ovis	L	P4	O	C	O	O				O	
NMNH	A01610	Ovis	L	M1	x	O	O	O	O	O	O/C	O	
NMNH	A01610	Ovis	L	M2	-	-	O	O	O	O	O	O	
NMNH	A01610	Ovis	L	MD	C	x	x					C	O
NMNH	A01610	Ovis	R	P3	O	O	O	O				O	
NMNH	A01610	Ovis	R	P4	O	C	O	O				O	
NMNH	A01610	Ovis	R	M1	x	O	O	O	O	O	O	O	
NMNH	A01610	Ovis	R	M2	-	-	O	O	O	O	O	O	
NMNH	A01610	Ovis	R	MD	C	x	x					C	O
NMNH	A02390	Ovis	L	P3	O	O	O	O				O	
NMNH	A02390	Ovis	L	P4	C	O	O	O				O	
NMNH	A02390	Ovis	L	M1	x	O	O	C	O	x	x	O	
NMNH	A02390	Ovis	L	M2	-	-	O	C	O	x	x	O	
NMNH	A02390	Ovis	L	M3	O	O	O	O	O	O	O	O	
NMNH	A02390	Ovis	L	MD	C	O/C	O					O/C	O
NMNH	A02390	Ovis	R	P3	O	O	O	O				O	
NMNH	A02390	Ovis	R	P4	C	O	O	O				O	
NMNH	A02390	Ovis	R	M1	x	O	O	C	O	x	x	O	
NMNH	A02390	Ovis	R	M2	-	-	O	C	O	x	x	O	
NMNH	A02390	Ovis	R	M3	O	O	O	O	O	O	O	O	
NMNH	A02390	Ovis	R	MD	C	O/C	O					O/C	O
NMNH	A05049	Ovis	L	P3	O	O	C	C				O/C	
NMNH	A05049	Ovis	L	P4	O	O	O	C				O	
NMNH	A05049	Ovis	L	M1	x	O	O	O	O	O	x	O	
NMNH	A05049	Ovis	L	M2	-	-	O	O	O/C	O	O	O	
NMNH	A05049	Ovis	L	M3	O	O	O	O	O/C	O	O	O	
NMNH	A05049	Ovis	L	MD	C	C	O					C	O

Museum	Number	Genus	Side	Element	C1	C2	C3	C4	C5	C6	C7	Element Call	Mandible Call
NMNH	A05049	Ovis	R	P3	O	O	C	C				O/C	
NMNH	A05049	Ovis	R	P4	O	O	O	C				O	
NMNH	A05049	Ovis	R	M1	x	O	O	O	O/C	O	O	O	
NMNH	A05049	Ovis	R	M2	-	-	O	O	C	O	O	O	
NMNH	A05049	Ovis	R	M3	O	O	O	O	O	O	O	O	
NMNH	A05049	Ovis	R	MD	C	C	O					C	O
NMNH	A05050	Ovis	L	P3	O	O	C	C				O/C	
NMNH	A05050	Ovis	L	P4	O	O	O	C				O	
NMNH	A05050	Ovis	L	M1	x	O	C	O	O/C	O	O	O	
NMNH	A05050	Ovis	L	M2	-	-	O	O	C	O	O	O	
NMNH	A05050	Ovis	L	M3	O	O	C	O	O/C	O	O	O	
NMNH	A05050	Ovis	L	MD	O	O	O					O	O
NMNH	A05050	Ovis	R	P3	O	O	O	C				O	
NMNH	A05050	Ovis	R	P4	O	O	O/C	C				O/C	
NMNH	A05050	Ovis	R	M1	x	O	C	O	O/C	O	O	O	
NMNH	A05050	Ovis	R	M2	-	-	O	O	C	O	O	O	
NMNH	A05050	Ovis	R	M3	O	O	C	O	C	O	O	O	
NMNH	A05050	Ovis	R	MD	O	O	O					O	O
NMNH	A05051	Ovis	L	dp3	x	O	O	O				O	
NMNH	A05051	Ovis	L	dp4	O/C	O	x					O/C	
NMNH	A05051	Ovis	L	M1	x	O	O	O/C	O/C	O	O	O	
NMNH	A05051	Ovis	L	M2	-	-	O	O	O	O	O	O	
NMNH	A05051	Ovis	L	MD	C	x	x					C	O
NMNH	A05051	Ovis	R	dp3	x	O	O	O				O	
NMNH	A05051	Ovis	R	dp4	O/C	O	x					O/C	
NMNH	A05051	Ovis	R	M1	x	O	O	O/C	O/C	O	O	O	
NMNH	A05051	Ovis	R	M2	-	-	O	O	O	O	O	O	
NMNH	A05051	Ovis	R	MD	C	x	x					C	O
NMNH	A05052	Ovis	L	P3	O	C	O	O/C				O/C	
NMNH	A05052	Ovis	L	P4	O	O	O	O				O	
NMNH	A05052	Ovis	L	M1	x	O	O	O	C	x	x	O	

Museum	Number	Genus	Side	Element	C1	C2	C3	C4	C5	C6	C7	Element Call	Mandible Call
NMNH	A05052	Ovis	L	M2	-	-	O	O	C	C	C	C	
NMNH	A05052	Ovis	L	M3	O	O	O	O	C	C	C	O	
NMNH	A05052	Ovis	L	MD	O	O	O					O	O
NMNH	A05052	Ovis	R	P3	O	C	O	O/C				O/C	
NMNH	A05052	Ovis	R	P4	O	O	O	O				O	
NMNH	A05052	Ovis	R	M1	x	O	O	O	C	x	x	O	
NMNH	A05052	Ovis	R	M2	-	-	O	O	C	C	C	C	
NMNH	A05052	Ovis	R	M3	O	O	O	O	C	C	C	O	
NMNH	A05052	Ovis	R	MD	O	O	O					O	O
NMNH	A05053	Ovis	L	P3	O	O	O	O				O	
NMNH	A05053	Ovis	L	P4	O	C	C	O				C	
NMNH	A05053	Ovis	L	M1	x	O	O	C	C	x	x	O/C	
NMNH	A05053	Ovis	L	M2	-	-	O	O	C	O	C	O	
NMNH	A05053	Ovis	L	M3	O	O	C	O	C	O	O	O	
NMNH	A05053	Ovis	L	MD	C	O	C					C	O/C
NMNH	A05053	Ovis	R	P3	O	O	O	O				O	
NMNH	A05053	Ovis	R	P4	O	C	C	O				O/C	
NMNH	A05053	Ovis	R	M1	x	O	O	C	C	x	x	O/C	
NMNH	A05053	Ovis	R	M2	-	-	O	O	C	O	C	O	
NMNH	A05053	Ovis	R	M3	O	O	C	O	C	O	C	O	
NMNH	A05053	Ovis	R	MD	O	O	O					O	O
NMNH	A15253	Ovis	L	dp3	x	O	C	O				O	
NMNH	A15253	Ovis	L	dp4	O/C	O	x					O/C	
NMNH	A15253	Ovis	L	M1	x	O	O	O	O/C	O	O	O	
NMNH	A15253	Ovis	L	MD	O	x	x					O	O
NMNH	A15253	Ovis	R	dp3	x	O	C	O				O	
NMNH	A15253	Ovis	R	dp4	O/C	O	x					O/C	
NMNH	A15253	Ovis	R	M1	x	O	O	O	O/C	O	O	O	
NMNH	A15253	Ovis	R	MD	O	x	x					O	O
NMNH	A21756	Ovis	L	P3	O	O	O	C				O	
NMNH	A21756	Ovis	L	P4	O	O	O	C				O	

Museum	Number	Genus	Side	Element	C1	C2	C3	C4	C5	C6	C7	Element Call	Mandible Call
NMNH	A21756	Ovis	L	M1	x	O	O	O	O	x	x	O	
NMNH	A21756	Ovis	L	M2	-	-	O	O	O	O	O	O	
NMNH	A21756	Ovis	L	M3	O	O	O	O	O	C	O	O	
NMNH	A21756	Ovis	L	MD	O	O	O					O	O
NMNH	A21756	Ovis	R	P3	O	O	O	O/C				O	
NMNH	A21756	Ovis	R	P4	O	O	O	O/C				O	
NMNH	A21756	Ovis	R	M1	x	O	O	O	O	x	x	O	
NMNH	A21756	Ovis	R	M2	-	-	O	O	O	O	O/C	O	
NMNH	A21756	Ovis	R	M3	O	O	O	O	O	C	O	O	
NMNH	A21756	Ovis	R	MD	C	O	O					O	O
NMNH	A49700	Ovis	L	dp3	x	O/C	O	O				O	
NMNH	A49700	Ovis	L	dp4	O	O	x					O	
NMNH	A49700	Ovis	L	M1	x	O	O	O	O	O	O	O	
NMNH	A49700	Ovis	L	M2	-	-	O	O	O/C	x	x	O	
NMNH	A49700	Ovis	L	MD	O	x	x					O	O
NMNH	A49700	Ovis	R	dp3	x	O/C	O	O				O	
NMNH	A49700	Ovis	R	dp4	O	O	x					O	
NMNH	A49700	Ovis	R	M1	x	O	O	O	O/C	O	O	O	
NMNH	A49700	Ovis	R	M2	-	-	O	O	O/C	x	x	O	
NMNH	A49700	Ovis	R	MD	O	x	x					O	O
NMNH	AB-080	Ovis	R	dP3	x	O	O/C	O				O	
NMNH	AB-080	Ovis	R	dP4	x	C	x	x				C	
NMNH	AB-080	Ovis	R	MD	C	x	x					C	C
NMNH	AB-080	Ovis	L	dP3	x	O	O/C	O				O	
NMNH	AB-080	Ovis	L	dP4	x	C	x	x				C	
NMNH	AB-080	Ovis	L	M1	x	O	O/C	O	C	O	O	O	
NMNH	AB-080	Ovis	L	MD	C	x	x					C	O/C

Table S3. Results of individual criteria for 0-1.5 year olds

Tooth	Criteria	Goats				Sheep				% Missassigned	
		#	% O/C	% Corr	% Wrng	#	% O/C	% Corr	% Wrng	Sheep among Goats	Goats among Sheep
dP3	1	6	16.7	100	0	25	8	100	0	0	0
	2	15	6.7	100	0	32	12.5	85.7	14.3	12.5	0
	3	23	13	95	5	53	39.6	75	25	20.8	6.3
	4	23	0	82.6	17.4	57	14	87.8	12.2	12.9	16.5
dP4	1	20	35	38.5	61.5	37	16.2	64.5	35.5	48	48.8
	2	23	0	21.7	78.3	49	0	81.6	18.4	45.8	48.9
M1	2	8	0	0	100	34	0	100	0	0	50
	3	18	22.2	42.9	57.1	13	18.9	90	10	18.9	38.8
	4	18	0	22.2	77.8	37	8.1	100	0	0	43.8
	5	18	11.1	87.5	12.5	37	35.1	41.7	58.3	40	23.1
	6	18	11.1	100	0	35	14.3	56.7	43.3	30.2	0
	7	16	12.5	78.6	21.4	33	24.2	84	16	16.9	20.3
M2	3	4	0	0.0	100	8	0	100	0	100	50.0
	4	4	0	0.0	100	8	0	100	0	100	50.0
	5	4	0	100	0	8	62.5	100	0	0	0
	6	4	0	100	0	6	0	100	0	0	0
	7	0	0	0	0	6	0	100	0	0	-
MD	1	24	0	83.3	16.7	57	0	59.6	40.4	32.6	21.8
	2	0	0	0	0	2	0	100	0	0	-

Table S4. Results of individual criteria for 1.5-6 year olds

Tooth	Criteria	Goats				Sheep				% Missassigned	
		#	% O/C	% Corr	% Wrng	#	% O/C	% Corr	% Wrng	Sheep among Goats	Goats among Sheep
P3	1	16	0	87.5	12.5	47	0	93.6	6.4	6.8	11.8
	2	16	0	100	0	47	2.1	71.7	28.3	22	0
	3	16	12.5	85.7	14.3	47	8.5	67.4	32.6	27.5	17.5
	4	16	12.5	85.7	14.3	45	22.2	65.7	34.3	28.6	17.9
P4	1	17	17.6	50	50	47	6.4	95.5	4.5	8.3	34.4
	2	16	18.8	92.3	7.7	47	6.4	84.1	15.9	14.7	8.4
	3	18	5.6	94.1	5.9	47	6.4	86.4	13.6	12.7	6.4
	4	14	28.6	90.0	10	45	11.1	85	15	14.3	10.5
M1	2	20	0	10	90	39	0	100	0	0	47.4
	3	19	15.8	75	25	39	0	87.2	12.8	14.6	22.3
	4	19	5.3	61.1	38.9	39	0	76.9	23.1	27.4	33.6
	5	20	5	89.5	10.5	39	25.6	75.9	24.1	21.2	12.2
	6	10	20.0	50.0	50.0	12	0.0	100	0	0.0	33.3
	7	7	14.3	50.0	50.0	9	11.1	87.5	12.5	20	36.4
M2	3	20	5	89.5	10.5	45	0	95.6	4.4	4.7	9.9
	4	19	10.5	23.5	76.5	45	0	100	0	0	43.3
	5	20	5	100	0	45	13.3	48.7	51.3	33.9	0
	6	19	0	52.6	47.4	45	0	80	20	27.5	37.2
	7	19	15.8	81.3	18.8	44	6.8	73.2	26.8	24.5	20.1
M3	1	14	14.3	75	25	44	0	100	0	0	20
	2	14	21.4	45.5	54.5	43	0	100	0	0	35.8
	3	14	14.3	83.3	16.7	44	4.5	76.2	23.8	22.2	17.9
	4	9	22.2	14.3	85.7	42	4.8	95	5	25.9	47.4
	5	10	20	62.5	37.5	42	23.8	37.5	62.5	50	50
	6	9	0	66.7	33.3	44	4.5	71.4	28.6	30	31.8
	7	10	0	100	0	43	4.7	73.2	26.8	21.2	0
MD	1	20	0	90	10	48	0	68.8	31.3	25.8	12.7
	2	12	0	75	25	44	2.3	81.4	18.6	19.9	23.5
	3	10	0	80	20	42	0	73.8	26.2	24.7	21.3

Table S5. Results of individual criteria for > 6 year olds

Tooth	Criteria	Goats				Sheep				% Missassigned	
		#	% O/C	% Corr	% Wrng	#	% O/C	% Corr	% Wrng	Sheep among Goats	Goats among Sheep
P3	1	5	0	80	20	4	0	75	25	23.8	21.1
	2	5	20	100	0	4	0	50	50	33.3	0
	3	6	0	100	0	4	50	100	0	0	0
	4	6	33.3	25	75	6	0	100	0	0	42.9
P4	1	6	0	83.3	16.7	4	25	33.3	66.7	44.4	33.3
	2	5	20	75	25	6	0	100	0	0	20
	3	5	0	100	0	6	16.7	80	20	16.7	0
	4	6	16.7	20	80	6	0	100	0	0	44.4
M1	2	8	0	0.0	100	8	0	100	0	100	50.0
	3	5	40.0	0.0	100	6	0	66.7	33.3	100	60.0
	4	4	0	100	0	6	0	16.7	83.3	45.5	0
	5	7	0	28.6	71.4	8	0	75.0	25	46.7	48.8
M2	3	6	0	66.7	33.3	8	0	100	0	0	25
	4	8	0	100	0	10	0	50	50	33.3	0
	5	7	0	28.6	71.4	10	0	80	20	41.2	47.2
	6	2	0	0	100	2	0	100	0	0	50
	7	0	0	0	0	1	0	0	100	-	-
M3	1	8	12.5	100	0	10	0	80	20	16.7	0
	2	8	0	87.5	12.5	9	0	100	0	0	11.1
	3	8	50	50	50	10	0	80	20	28.6	38.5
	4	8	12.5	28.6	71.4	9	0	100	0	0	41.7
	5	8	0	87.5	12.5	10	0	60	40	31.4	17.2
	6	8	0	37.5	62.5	8	0	100	0	0	38.5
	7	5	40	66.7	33.3	4	0	50	50	42.9	40
MD	1	8	0	100	0	10	0	40	60	37.5	0
	2	8	0	100	0	10	20	50	50	33.3	0
	3	8	0	87.5	12.5	10	0	60	40	31.4	17.2



Table S6. Results for individual criteria in wild specimens

Tooth	Criteria	Goats				Sheep				% Missassigned	
		#	% O/C	% Corr	% Wrng	#	% O/C	% Corr	% Wrng	Sheep among Goats	Goats among Sheep
dP3	1	4	0	100	0	6	0	100	0	0	0
	2	11	9.1	100	0	14	0	85.7	14.3	12.5	0
	3	16	18.8	92.3	7.7	22	27.3	75	25	21.3	9.3
	4	16	0	75	25	22	13.6	78.9	21.1	21.9	24.1
dP4	1	11	0	45.5	54.5	11	18.2	55.6	44.4	49.4	49.5
	2	16	0	25	75.0	22	0	90.9	9.1	26.7	45.2
P3	1	12	0	75	25	9	0	100	0	0	20
	2	12	8.3	100	0	8	0	37.5	62.5	38.5	0
	3	12	8.3	81.8	18.2	8	0	25	75	47.8	42.1
	4	13	0	61.5	38.5	7	14.3	66.7	33.3	35.1	36.6
P4	1	11	0	72.7	27.3	8	12.5	100	0	0	21.4
	2	10	30	85.7	14.3	8	0	100	0	0	12.5
	3	11	0	90.9	9.1	8	0	75	25	21.6	10.8
	4	12	16.7	50	50	8	12.5	85.7	14.3	22.2	36.8
M1	2	20	0	0	100	22	0	100	0	0	50
	3	23	30.4	68.8	31.3	22	18.2	83.3	16.7	19.5	27.3
	4	23	4.3	40.9	59.1	22	4.5	100	0	0	37.1
	5	25	4	79.2	20.8	23	21.7	33.3	66.7	45.7	38.5
	6	17	23.5	92.3	7.7	18	27.8	61.5	38.5	29.4	11.1
	7	15	20	75	25	18	44.4	60	40	34.8	29.4
M2	3	14	7.1	84.6	15.4	12	0	100	0	0	13.3
	4	16	6.3	33.3	66.7	12	0	83.3	16.7	33.3	44.4
	5	15	6.7	78.6	21.4	12	25.0	66.7	33.3	29.8	24.3
	6	12	0	41.7	58.3	10	0	80.0	20.0	32.4	42.2
	7	10	20	100	0	10	10	77.8	22.2	18.2	0
M3	1	12	16.7	90	10	10	0	100	0	0	9.1
	2	12	0	66.7	33.3	9	0	100	0	0	25
	3	12	33.3	50	50	10	20	100	0	0	33.3
	4	10	10	22.2	77.8	9	0	100	0	0	43.8
	5	10	10	88.9	11.1	10	20	0	100	52.9	100
	6	10	0	40	60	10	0	60	40	50	50
	7	8	25	100	0	8	0	50	50	33.3	0
MD	1	30	0	83.3	16.7	31	0	58.1	41.9	33.5	22.3
	2	10	20	100	0	10	10	66.7	33.3	25.0	0
	3	10	0	80	20	9	0	44.4	55.6	41.0	31

Table S7. Results for individual criteria in domestic specimens

Tooth	Criteria	Goats				Sheep				% Missassigned	
		#	% O/C	% Corr	% Wrng	#	% O/C	% Corr	% Wrng	Sheep among Goats	Goats among Sheep
dP3	1	0	-	-	-	8	25	100	0	-	0
	2	4	0	100	0	12	16.7	80	20	16.7	0
	3	5	0	100	0	20	30	71.4	28.6	22.2	0
	4	5	0	100	0	20	10	88.9	11.1	10	0
dp4	1	4	100	0	0	12	33.3	75	25	100	0
	2	5	0	20	80	14	0	85.7	14.3	0	48.3
P3	1	9	0	100	0	23	0	95.7	4.3	4.2	0
	2	9	0	100	0	23	4.	66.7	33.3	25	0.0
	3	9	11.1	100	0	23	4.5	52.4	47.6	32.3	0
	4	9	44.4	100	0	22	18.2	66.7	33.3	25.0	0
P4	1	12	25	44.4	55.6	23	13	95	5	10.1	36.9
	2	11	9.1	90	10	23	13	80	20	18.2	11.1
	3	12	8.3	100	0	23	17.4	84.2	15.8	13.6	0
	4	7	42.9	100	0	22	13.6	78.9	21.1	17.4	0
M1	2	16	0	12.5	87.5	30	0	100	0	0	46.7
	3	17	11.8	46.7	53.3	31	9.7	85.7	14.3	23.4	38.4
	4	18	0	55.6	44.4	31	6.5	86.2	13.8	19.9	34
	5	20	10	77.8	22.2	32	40.6	73.7	26.3	25.3	23.2
	6	11	0	72.7	27.3	21	0	100	0	0	21.4
	7	8	0	62.5	37.5	18	5.6	94.1	5.9	8.6	28.5
M2	3	16	0	62.5	37.5	32	0	93.8	6.3	9.1	28.6
	4	15	6.7	50	50	32	0	100	0	0	33.3
	5	16	0	87.5	12.5	32	21.9	56	44	33.5	18.2
	6	13	0	69.2	30.8	28	0	92.9	7.1	9.4	24.9
	7	9	11.1	62.5	37.5	27	3.7	88.5	11.5	15.6	29.8
M3	1	10	10	77.8	22.2	22	0	100	0	0	18.2
	2	10	30	57.1	42.9	21	0	100	0	0	30
	3	10	20	100	0	22	0	72.7	27.3	21.4	0
	4	8	37.5	20	80	20	0	90	10	33.3	47.1
	5	8	12.5	57.1	42.9	20	20	68.8	31.3	35.4	38.4
	6	7	0	71.4	28.6	20	0	90	10	12.3	24.1
	7	7	0	85.7	14.3	20	0	80	20	18.9	15.2
MD	1	20	0	95	5	42	0	69	31	24.6	6.8
	2	10	10	100	0	24	0	75	25	20	0
	3	7	0	85.7	14.3	22	0	81.8	18.2	17.5	14.9