

ANNEXES

Liste des abréviations utilisées

Code de mesures : les chiffres et codes de mesures indiqués entre parenthèses renvoient au code de mesures de A. von den Driesch (1976).

Mesures standard

Lt.	: Longueur totale (GL)
Ll.	: Longueur latérale (GLl)
PDt.	: Diamètre transverse du proximum (BP)
PDp.	: Diamètre antéro-postérieur du proximum (DP)
DiaDt.	: Diamètre transverse de la diaphyse (SD)
DDt.	: Diamètre transverse de l'articulation distale (Bd)
DDp.	: Diamètre antéro-postérieur de l'articulation distale (Dd)

Mesures particulières par élément

Scapula

ADt.	: Diamètre transverse de l'articulation (BG)
ADp.	: Diamètre antéro-postérieur de l'articulation (GLP)
CDt.	: Diamètre transverse du col
CDp.	: Diamètre antéro-postérieur du col (SLC)

Métapodes

PoDt.	: Diamètre transverse de l'articulation distale (Bd)
PoDp.	: Diamètre antéro-postérieur de l'articulation distale (Dd)
DDt.	: Diamètre transverse au-dessus des poulies articulaires distales
DDp.	: Diamètre antéro-postérieur au-dessus des poulies articulaires distales

Talus

Hl.	: Hauteur latérale
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Phalanges

Lt.	: Longueur totale (GLpe)
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Chevilles osseuses

Dt. Base	: Diamètre transverse à la base (n° 46 pour les bovins, n° 42 pour les caprinés)
Dp. Base	: Diamètre antéro-postérieur à la base (n° 45 pour les bovins, n° 41 pour les caprinés)
C. Base	: Circonférence à la base (n° 44 pour les bovins, n° 32 pour les caprinés)
L. ext.	: Longueur de la courbure externe (n° 47 pour les bovins, n° 43 pour les caprinés)

Mandibule

Lt.	: Longueur totale (n° 1)
LDJ.	: Longueur des dents jugales (n° 20)
LP.	: Longueur des prémolaires (n° 22)
LM.	: Longueur des molaires (n° 21)
LDia.	: Longueur du disatème
HM3.	: Hauteur devant la M3
EpM3	: Epaisseur devant la M3

Troisième molaire

Dt.	: Diamètre transverse (B)
L.	: Longueur (L)
Hf.	: Hauteur du fût

Attributions culturelles

Ra	: Rubané ancien
Rm	: Rubané moyen
Rr	: Rubané récent
R	: Rubané indéterminé
GGT	: Grossgartach

NOVEANT-SUR-MOSELLE "Etang Pidolle"

AUROCHS (Squelette)BOREAL

Mandibule	
1	469,0
2	515,0
3	143,0
4	315,0
5	320,0
6	400,0
7	168,0
8	(108,0)
10	48,5/20,5
11	128,0
15a	90,0
15b	65,0
15c	60,5

Scapula	ADt.	ADp.	CDt.	CDp.
	98,0	73,0	90,0	38,0

	Lt.	Ll.	PDt.	PDp.	DiaDt.	PoDt	PoDp	DDt.	DDp.
Humérus	407,0	354,0	136,0	141,0	65,0			123,0	101,0
Radius	386,0		118,0	57,0	69,0			108,0	76,0
Métacarpe	261,0		90,0	56,0	56,0	81,0	38,0	89,0	45,0
Métatarse	297,0		74,0	65,0	46,0	75,0	39,0	80,0	41,0
Calcaneum	182,0								

DACHSTEIN "Am Geist"

Chev. oss.	Dt.	BaseDp.	Base C.	Base	L. ext.
Ra	134,0	114,0	385,0	690,0	
Ra	90,0	80,0	262,0	480,0	
Ra	70,0	53,0	200,0	290,0	
Ra	77,0	61,0	225,0	345,0	

Scapula	ADp.	ADt.	CDp.	CDt.
Ra aurochs	93,0	65,0	74,0	35,0
Ra aurochs	95,0	71,0	78,0	33,0
Ra	81,0	58,0	61,0	26,0

Radius	PDt.	PDp.	DiaDt.
Ra	89,0	42,0	
Ra			45,0

Tibia	DiaDt.	DDt.	DDp.
Ra	42,0	67,0	51,0
Ra aurochs		78,0	62,0

Métacarpe	DiaDt.	DDt.	DDp.	PoDt.	PoDp.
Ra		74,0	35,0	79,0	43,0
Ra		66,0	33,0	72,0	38,0
Rr	35,0	61,0	31,0	66,0	35,0

Métatarse	Lt.	PDt.	PDp.	DiaDt.	DDt.	DDp.	PoDt.	PoDp.
Ra aurochs	248,0	58,0	56,0	34,0	62,0	34,0	67,0	37,0
Ra		48,0	48,0	27,0				
				35,0	63,0	34,0	70,0	40,0

BOVINS RUBANE

Talus	Ll.	DDt.	Hl.
Ra	69,0	44,0	35,0
Ra	71,0	36,0	42,0
Ra	62,0	42,0	32,0

Calcaneum	Lt.
Ra	167,0

Phalange I	Lt.	PDt.
Ra	70,0	42,0
Ra	70,0	36,0
Ra	62,0	31,0
Ra	62,0	
Ra	73,0	43,0
Ra	72,0	
Ra	66,0	32,0

Phalange II	Lt.	PDt.
Ra	42,0	(30,0)
Ra	42,0	36,0
Ra	43,0	31,0
Ra	46,0	37,0
Ra	47,0	33,0

COLMAR "Route de Rouffach"

BOVINS RUBANE

Chev. oss.	Dt.	BaseDp.	Base C.	Base
Ra	65,5	55,0	190,0	

Scapula	ADp.	ADt.	CDp.	CDt.
Ra	68,5	44,0	56,5	25,0
Ra	71,0	50,0	52,0	23,0
Ra	72,0	44,0	60,0	23,0
Ra	72,0	47,5	59,0	26,0
Rm	82,0	60,0		

Humérus	PDt.	PDp.	DiaDt.	DDt.	DDp.
Ra				92,0	79,0
Ra aurochs			42,0	111,0	97,0
Ra				82,0	74,0
Ra				93,0	
Ra				83,0	77,0
Ra	101,0	114,0	39,0		
Ra aurochs				117,0	110,0
R				95,0	76,0

Radius	PDt.	PDp.	DiaDt.	DDt.	DDp.
Ra				79,0	48,5
Ra				71,5	41,5
Ra				71,5	42,0
Ra			46,0	62,0	44,0
Ra				75,0	45,0
Ra	85,5	44,5			
Ra aurochs	103,0	51,0			
Rm	86,0	41,0	41,5		
R				91,0	53,0

Tibia	PDt.	PDp.	DDt.	DDp.
Ra aurochs	115,0	97,0		
Ra	99,0			
Ra			69,0	50,0
Ra			62,0	47,5

Métacarpe	PDt.	PDp.	DiaDt.	DDt.	DDp.	PoDt.	PoDp.
Ra				51,5	28,5	55,0	33,5
Ra				67,0	33,0	70,0	37,0
Ra			34,0	62,0	32,0	62,0	38,0
Ra			34,5	61,5	31,5	67,0	38,0
Ra				58,0	29,5	64,5	35,0
Ra	61,5	34,0	29,5				
Ra	60,0	38,5	34,0				
Ra	62,0	40,0					
R	61,5	38,0	35,0				
R	65,0	42,0	36,0				

Métatarse	PDt.	PDp.	DiaDt.	DDt.	DDp.	PoDt.	PoDp.
Ra				52,5	27,0	55,5	32,0
Ra				52,0	26,0	55,5	28,5
Ra			26,0	48,5	28,0	55,0	30,5
Ra	52,0	54,0	33,0				
Rm	53,5	47,0					

Fémur	PDt.	PDp.	DiaDt.
Ra	152,0	55,5	54,0

Talus	Ll.	DDt.	Hl.
Ra aurochs	81,0	47,0	41,5
Ra	75,5	45,5	39,0
Ra	69,0	40,0	31,5
Rm	71,5	43,5	37,0
Rm aurochs	77,5	51,0	40,0

Calcaneum	Lt.
Ra	162,0

Naviculaire	DDt.	DDp.
Ra aurochs	78,0	75,5
Ra	54,0	45,0

Phalange I	Lt.	PDt.
Ra	77,5	36,5
Ra	66,5	28,5
Ra	70,0	38,0
Ra	73,0	32,5
Ra	70,0	29,5
Ra	65,0	27,5
Ra	66,5	27,5
Ra	65,0	33,0
Ra	63,0	26,0
Rm	75,0	43,0
Rm	68,5	29,0

Phalange II	Lt.	PDt.
Ra	46,0	34,5
Ra	46,0	31,0
Ra	46,5	31,3
Rm	36,0	21,0

ENSISHEIM "Ratfeld"

Scapula	ADt.	ADp.	CDt.	CDp.
Ra	72,0	49,0	54,5	22,0
Ra	73,5	51,0	55,0	22,5
Rm	73,0	50,0	59,0	24,0
Rm	67,5	47,0	56,5	24,0
Rr aurochs	88,0	61,0	71,0	32,0
Rr aurochs	89,0	62,0		

Radius	PDt.	PDp.	DiaDt.	DDt.	DDp.
Ra	86,0	44,0	47,0		
Ra	75,0	39,0			
Ra			41,0	72,0	45,0
Ra				72,0	45,0
Rm	84,0	42,0			
Rr	89,0	43,5			

Tibia	PDt.	PDp.	DiaDt.	DDt.	DDp.
Ra aurochs	105,0	84,0			
Ra			42,5	72,0	52,0
Ra			40,0	64,0	49,0
Ra				61,0	44,0
Ra aurochs				87,0	65,0
Rm	86,0	77,0			
Rm			39,0	66,0	51,0
Rm			44,0	66,5	45,0
Rm				65,0	44,5
R				64,5	44,5

Métacarpe	PDt.	PDp.	DiaDt.	DDt.	DDp.	PoDt.	PoDp.
Ra	58,5	35,0	31,0				
Ra	61,5	38,0					
Ra				62,0	29,5	70,0	32,5
Rm				59,5	31,5	65,0	36,0
Rm				55,5	31,5	59,0	33,0
Rm	64,5	38,0					
R	58,5	36,5	31,5				
R	71,5	44,0	38,0				
R				56,5	32,5	60,5	35,5

Métatarse	PDt.	PDp.	DiaDt.	DDt.	DDp.	PoDt.	PoDp.
Ra	44,5	45,0					
Ra				54,0	30,5	58,0	34,0
Ra			32,5	56,5	33,0	59,5	35,0
Rm	50,0	48,0	25,0				
Rm	48,5	49,5					
Rm	57,5	53,0					
Rm			30,0	55,0	32,0	59,0	34,0
Rm				56,0	32,0	60,0	35,0
Rm				55,0	32,0	59,0	35,0
Rm				51,0	28,0	54,5	31,5
R aurochs				64,0	35,5	69,0	37,5

BOVINS RUBANE

Humérus	DiaDt.	DDt.	DDp.
Ra	42,0	89,0	78,0
Rm aurochs		104,0	94,0
Rr aurochs		106,0	91,0
Rr aurochs		105,0	91,0
Rr aurochs		98,0	88,0

Talus	Ll.	DDt.	Hl.
Ra	76,0	47,0	39,0
Ra	71,5	43,0	35,5
Ra	76,0	46,5	39,0
Ra	70,5	44,0	35,5
Ra	71,0	44,5	37,0
Ra	73,0	44,5	37,0
Ra	75,0	47,5	40,0
Rm	65,0	40,0	33,5
Rm	68,5	42,5	34,5
Rm aurochs	81,0	57,0	42,5
Rr	70,0	43,5	36,0
Rr	72,5	43,0	37,5

Naviculaire	DDt.	DDp.
Ra	57,0	59,5
Ra aurochs	61,0	60,5
Rm aurochs	62,0	62,0
Rm aurochs	64,0	63,0

Calcaneum	Lt.
Rm	134,0
Rm	136,0
Rr	135,0
R aurochs	167,0

ENSISHEIM "Ratfeld"

BOVINS RUBANE (suite)

Phalange I	Lt.	PDt.
Ra	60,5	24,0
Ra	68,0	33,0
Ra	66,5	28,5
Ra	68,0	33,0
Ra	73,0	33,0
Ra	72,5	29,5
Rm	70,0	37,5
Rm	71,0	38,0
Rm	70,0	35,0
Rm	70,0	31,0
Rm	65,0	31,0
Rm	69,0	34,0
Rm	72,0	35,0
Rm	66,0	31,0
Rm	73,0	34,5
Rm	66,0	31,0
Rm	61,0	33,0
Rm	71,0	30,0
Rm	71,0	34,0
R	67,0	29,0
R	75,5	39,0

Phalange II	Lt.	PDt.
Ra	44,0	32,5
Ra	42,0	31,0
Ra	43,5	32,0
Rm	41,0	29,0
Rm	48,0	34,0
Rm	45,0	37,0
Rm	39,0	30,0
Rm	46,0	35,0
Rm	46,0	31,0
Rm	47,0	31,0
Rm	47,0	36,0
Rm	39,0	33,0
Rm	43,0	31,0
Rm	44,0	37,0
Rm	45,0	35,0
Rm	39,5	31,0
Rm	45,0	31,0
Rm	46,0	32,0
R	48,5	37,0
R	43,5	36,0
R	42,5	36,0

WETTOLSHEIM "Ricoh"

BOVINS RUBANE

Chev. oss.	Dt.	BaseDp.	Base C.	Base
Rr	86,0	72,0	250,0	

Humérus	DiaDt.	DDt.
Ra	35,0	75,0

Scapula	ADt.	ADp.	CDt.	CDp.
Ra	80,0	60,0	66,0	29,0
Rr	72,0	56,5		
Rr	70,5	55,0	56,0	29,0

Fémur	DDt.	DDp.
Rr	96,0	101,0

Métacarpe	PDt.	PDp.
Rr	62,5	37,5

Radius	PDt.	PDp.	DiaDt.	DDt.	DDp.
Rr aurochs	103,0	51,0	52,0		
Rr	82,0	42,5	40,5		
Rr				86,0	56,0
Rr				78,0	51,0
Rr			43,5	79,0	46,0

Talus	Ll.	DDt.	Hl.
Ra	69,5	44,0	35,0
Rr	70,0	43,0	36,0
Rr	68,0	43,0	33,0
Rr	75,5	43,0	37,0
Rr	72,0	46,0	38,5
Rr	61,0	46,0	
Rr aurochs	81,0	52,0	40,0
R aurochs	92,0	59,0	48,0

Tibia	PDt.	PDp.	DiaDt.	DDt.	DDp.
Ra	83,0	84,5	44,0		
Rr aurochs	118,0	103,0			
Rr				61,0	43,0
Rr				64,0	48,0
Rr				65,5	46,0
Rr				68,0	52,0
Rr				69,0	49,0
R	98,0	88,0			

Naviculaire	DDt.	DDp.
Rr	53,0	51,5
Rr	52,5	54,0
R aurochs	63,0	64,0

Calcaneum	Lt.
Rr	143,5

WETTOLSHEIM "Ricoh"

BOVINS RUBANE (suite)

Métatarse	Lt.	PDt.	PDp.	DiaDt.	DDt.	DDp.	PoDt.	PoDp.
Ra		49,5	50,0	27,0				
Rm					55,0	27,5	59,5	29,0
Rm aurochs				36,5	62,0	36,0	67,0	40,0
Rr	201,0	37,5	40,0	25,5	44,5	24,0	48,0	27,0
Rr aurochs					62,5	34,0	66,0	36,0
Rr					52,0	32,5	55,5	35,5
Rr					57,5	32,0	60,5	36,0
Rr		49,5	43,0					
Rr aurochs		57,0	56,5	31,5				
Rr		51,0	52,0					
R				30,0	50,5	29,0	54,0	32,5
R					53,5	32,5	58,5	35,0
R		48,0	43,5					
R aurochs		58,0	57,5					

Phalange I	Lt.	PDt.
Ra	66,5	29,5
Ra	63,0	32,0
Rr	69,0	38,0
Rr	56,0	25,5
Rr	72,0	31,0
Rr	65,5	32,0
Rr	65,0	32,0
Rr	59,0	29,0
Rr	71,0	33,5
R	69,0	37,5
R	71,0	38,0
R	74,0	36,5
R	72,0	31,5

Phalange II	Lt.	PDt.
Ra	40,5	34,5
Rr	50,0	35,0
Rr	35,0	24,5
Rr	42,0	28,5
Rr	46,5	36,0
Rr	41,5	32,5
Rr	33,0	29,0
Rr	41,0	29,0
R	46,5	35,0
R	44,0	35,5
R	52,5	35,5
R	45,5	37,0
R	46,0	33,0

ORCONTE "Les Noues"

Radius	PDt.	PDp.	DiaDt.
Rm	82,0	41,0	45,0

Métacarpe	PDt.	PDp.	DiaDt.
Rm	59,5	37,0	32,5

Tibia	DiaDt.	DDt.	DDp.
Rm	38,0	59,0	43,5

Talus	Ll.	DDt.	Hl.
Rm	73,0	48,0	38,0

Métatarse	PDt.	PDp.	DiaDt.	DDt.	DDp.	PoDt.	PoDp.
Rm	50,0	47,0	26,0				
Rm aurochs	58,0	62,0	37,0				
Rm	43,0	43,0	27,5				
Rm	56,0	48,0	28,5				
Rm			32,0	51,5	26,5	59,5	32,0

BOVINS RUBANE

Naviculaire	DDt.	DDp.
Rm aurochs	70,0	68,5

Phalange I	Lt.	PDt.
Rm	62,0	32,5
Rm	61,5	29,0
Rm	74,0	39,0

Phalange II	Lt.	PDt.
Rm	45,0	35,0
Rm	43,5	35,5
Rm	41,0	29,0
Rm	45,0	33,0
Rm	44,0	33,0

JUVIGNY "Les Grands Traquiers

BOVINS RUBANE

Mandibule	LDJ	LM	LP
	154,0	96,0	(63,0)

M3	Dt.	Hf.	L.
Rr aurochs ?	16,5	41,0	
Rr aurochs	18,0	65,0	39,6
Rr aurochs	18,0	37,0	41,0
Rr aurochs	19,5	53,0	43,0
Rr aurochs ?	17,0	49,0	39,0
Rr	15,5	41,0	
Rr aurochs	18,0	61,0	41,5
Rr aurochs	18,0	61,0	41,5
Rr aurochs	18,0	47,0	41,0
Rr aurochs	18,0	59,0	42,0

Scapula	ADt.	ADp.	CDt.	CDp.
Rr aurochs	102,0	68,0	85,0	38,0
Rr aurochs	92,0	73,0	76,0	36,0
Rr aurochs	(91,0)	(71,0)	71,0	34,0
Rr	85,0	58,0	72,0	30,0
Rr aurochs	96,0	71,0		39,0
Rr		52,0	64,0	29,0
Rr	81,0	70,0	82,0	34,0
Rr aurochs	88,0	67,0	78,0	33,0
Rr aurochs	95,0	70,0		
Rr	74,0	51,0	60,0	27,0
Rr			54,5	25,5
Rr	83,0	56,0	67,0	33,0
Rr aurochs	100,0	72,0	83,0	42,0
Rr aurochs	92,0	71,0	77,0	36,0

Humérus	DDt.	DDp.
Rr	85,0	87,0
Rr aurochs	102,0	
Rr aurochs	122,0	118,0
Rr aurochs	115,0	95,0
Rr aurochs	102,0	91,0

Talus	Ll.	DDt.	Hl.
Rr	72,0	46,0	38,0
Rr	72,0	43,0	36,0
Rr aurochs	76,0	52,0	39,0
Rr aurochs	(87,0)	(50,0)	
Rr aurochs	90,0	63,0	49,0
Rr aurochs	78,0	51,0	
Rr aurochs	80,0	53,0	37,0
Rr aurochs	74,0	53,0	37,0
Rr aurochs	80,0	49,0	
Rr aurochs	85,0	54,0	41,0
Rr aurochs	87,0	57,0	41,0

Radius	PDt.	PDp.	DiaDt.	DDt.	DDp.
Rr aurochs	108,0	56,0	64,0		
Rr aurochs	99,0	53,0	(62,0)		
Rr aurochs	95,0	49,0			
Rr aurochs	98,0	51,5			
Rr aurochs	101,0	48,0			
Rr aurochs				105,0	69,0
Rr			49,0	83,0	53,0

Métacarpe	Lt.	PDt.	PDp.	DiaDt.	DDt.	DDp.	PoDt.	PoDp.
Rr aurochs	256,0	79,0	50,0	46,5	76,0	39,0	78,0	44,0
Rr aurochs				(48,0)	76,5	39,0	80,0	43,0
Rr aurochs				44,0	72,0	35,0	77,0	39,0
Rr				31,0	57,0	34,0	63,0	37,0
Rr					54,0	29,0	64,0	35,0
Rr					67,0	34,0	71,0	38,0
Rr					63,0	34,0	67,0	36,0

Métatarse	Lt.	PDt.	PDp.	DiaDt.	DDt.	DDp.	PoDt.	PoDp.
Rr aurochs	287,0	64,0	64,0	39,0	74,0	41,0	76,0	44,0
Rr aurochs	287,0	63,0	66,0	39,5	72,0	(36,0)	74,0	42,0
Rr aurochs		62,0	59,0					
Rr aurochs		57,5	54,0					
Rr aurochs		68,0	61,0	37,0				
Rr aurochs		68,0	65,0	41,0				
Rr aurochs				35,0	65,0	35,0	66,0	40,0
Rr aurochs					65,0	35,0	70,0	40,0
Rr aurochs					60,0	29,0	64,0	35,0
Rr aurochs					66,0	35,0	70,0	

JUVIGNY "Les Grands Traquiers"

Naviculaire	DDt.	DDp.
Rr	56,0	53,0
Rr aurochs	73,0	67,0
Rr aurochs	74,0	(62,0)
Rr aurochs	66,0	58,0
Rr aurochs	77,0	65,0
Rr aurochs	79,0	73,0
Rr aurochs	67,0	64,0
Rr aurochs	62,5	58,5

Calcaneum	Lt.
Rr	132,5
Rr	(150,0)
Rr	142,0

Phalange II	Lt.	PDt.
Rr	51,0	41,0

BOVINS RUBANE (suite)

Phalange I	Lt.	PDt.
Rr aurochs	80,0	40,0
Rr aurochs	78,0	38,0
Rr aurochs	77,0	42,0
Rr	63,0	32,0
Rr aurochs	73,5	
Rr aurochs	72,0	
Rr aurochs	65,0	
Rr aurochs	75,0	31,0
Rr aurochs	77,0	32,0
Rr	61,0	31,0

COLMAR "Route de Rouffach"

Scapula	ADp.	ADt.	CDp.	CDt.
	61,0	49,5	56,5	21,0

Radius	PDt.	PDp.
aurochs	93,0	48,0

WETTOLSHEIM "Ricoh"

Chev. oss.	Dt.	BaseDp.	Base C.	Base	L. ext.
	67,3	55,0	195,0		(240,0)
	61,0	48,0	175,0		250,0
	62,0	49,0	180,0		

Scapula	ADt.	ADp.	CDt.	CDp.
	65,0	44,0	53,0	25,0

Humérus	PDt.	PDp.	DiaDt.
	88,0	102,0	39,5

Radius	PDt.	PDp.	DDt.	DDp.
	86,0	42,5	89,0	54,0

Métacarpe	PDt.	PDp.	DiaDt.	DDt.	DDp.	PoDt.	PoDp.
				67,5	34,0	73,0	36,0
				55,0	30,0	60,0	34,5
aurochs	75,0	46,0	46,0				
	66,5	39,5	35,0				

Métatarse	DiaDt.	DDt.	DDp.	PoDt.	PoDp.
	30,0	53,5	31,0	58,0	32,0
		57,0	33,0	62,0	34,0
aurochs	33,5	62,5	33,5	66,0	36,0

BOVINS GROSSGARTACH

Métatarse	PDt.	PDp.
	52,5	56,0

Phalange I	Lt.	PDt.
	62,0	30,5

BOVINS GROSSGARTACH

Tibia	PDt.	PDp.
aurochs	115,0	98,0

Talus	Ll.	DDt.	Hl.
	62,5	43,0	33,0
	73,0	45,5	39,0
	70,5	43,5	36,5
	76,5	49,5	39,5

Naviculaire	DDt.	DDp.
	53,0	51,5

Phalange I	Lt.	PDt.
	74,2	36,0
	66,0	28,0
	63,5	30,5

Phalange II	Lt.	PDt.
	44,5	34,5

MAIRY "Les Hautes Charvières"

BOVINS MICHELBERG

Mandibule	LDJ	LM	LP	LDia.	Ep.M3	HM3	Lt.
F. 1001	138,0	50,0	87,0	113,0	29,0	203,0	378,0
	146,0	51,0	94,0	(95,0)	36,0	210,0	368,0
F. S	141,0	52,0	88,0	115,0	28,0		368,0
F. 89	147,0	50,0	93,0	96,0	33,0	215,0	382,0
F. 3	148,0	52,0	95,0	(101,0)	33,0	200,0	390,0

Chev. oss.	Dt.	BaseDp.	Base C.	Base	L. ext.
F. S	47,5	59,0	175,0		(270,0)
F. 1001	43,0	54,0	160,0		
	42,0	55,0	165,0		
	51,0	73,0	195,0		
F. 691	43,0	57,0	160,0		
	37,0	(54,0)	(150,0)		
	41,0	52,0	150,0		
F. 274	61,0	74,0	220,0		
F. 272	50,0	64,0	180,0		
	51,0	61,0			
	37,0	47,0	140,0	170,0	
	39,0	49,0	140,0		
	48,0		180,0	220,0	
F. V	44,0	57,0	160,0		
	44,0	59,0	166,0		
F. 3	45,0	58,0	165,0	210,0	
	38,0	51,0			
F. 425	44,0	66,0	185,0	250,0	
F. 385	49,0	57,0	175,0		
F. 700	53,0	67,0	200,0		
F. 427	49,0	68,0	185,0	(220,0)	
AB 65	48,0	63,0	185,0	250,0	
	52,0	66,0	185,0		

Scapula	ADt.	ADp.	CDt.	CDp.
F. 1001	65,0	45,0	49,0	19,0
	68,0	46,0	54,0	21,0
	68,0	45,0	51,0	22,0
	66,0	47,0	50,0	21,0
	62,0	44,0	51,0	19,5
	66,5	47,0		22,0
F. S	64,0	45,0	49,0	19,0
	71,0	50,0	53,0	23,0
	61,0	48,0	46,0	20,0
	77,0	53,0	52,0	24,0
F. 691	66,0	48,0	51,0	24,0
	66,0	48,0	50,0	23,0
F. 272	47,0	48,0	49,0	22,0
	54,0	46,0		
	54,0	40,0		
F. V	60,5	50,0	51,0	23,0
	66,0	48,0	60,0	26,0
F. R	70,0	50,0	56,0	26,0
F. L	65,0	45,0	53,0	22,0
F. M	64,0	45,5	47,5	23,0
F. 271	66,0	54,5	46,0	
	61,0	57,0	47,0	
	68,0	55,0	48,0	
	67,0	59,0	47,0	
	61,0	58,0	43,0	
	73,0	65,0	61,0	
	66,0	60,0	45,0	
	59,0	52,0	42,0	
	64,0	57,0	47,0	
	67,0	59,0	46,0	
F. 425	70,0	49,0	54,0	24,0
	63,0	46,0	46,0	22,0
	69,0	48,0	50,0	23,0
	70,0	50,0	50,0	23,0
F. 427	68,0	45,0	49,0	20,0

MAIRY "Les Hautes Chanvières"

BOVINS MICHELSBERG (suite)

Humérus	Lt.	Ll.	PDt.	PDp.	DiaDt.	DDt.	DDp.		
F. 1001	298,0	263,0	96,0	100,0	33,0	76,0	77,0		
		260,0		103,0	34,0	78,0	82,0		
		263,0		104,0	35,0	77,0	74,0		
		303,0		262,0	97,0	105,0	35,5	86,0	82,0
		262,0		93,0	103,0	34,0	77,0	77,0	
F. 3					31,0	78,0	78,0		
F. S	276,0	238,0	89,0	96,0	32,0	73,0			
					34,0	76,0	75,0		
						80,0	82,0		
F. 714	320,0	260,0	90,0	104,0	37,5	80,0	73,0		
F. 385	287,0	256,0	96,0	101,0	34,0	78,0	75,0		
		257,0	(90.0)	107,0	33,0	75,0	76,0		
		255,0			35,0	77,0	75,0		
F. 483	290,0	262,0	(88.0)	101,0	31,0	74,0	75,0		
F. 691		258,0		105,0	37,0	83,0	76,0		
F. 274						91,0	94,0		
F. V						83,0	73,0		
F. L	293,0	256,0	86,0	101,0	31,0	68,0	76,0		

Radius	Lt.	PDt.	PDp.	DiaDt.	DDt.	DDp.
F. 1001	286,0	81,0	42,0	41,0	71,5	46,0
	295,0	82,0	42,5	40,0	68,0	43,0
	290,0	80,0	40,0	38,0	67,0	42,0
	281,0	81,0	42,0	41,0	72,0	44,0
	266,0	74,0	38,0	37,0	68,0	44,0
		80,0	41,0			
F. S				38,0	66,0	40,0
	287,0	80,0	42,0	38,0	71,0	50,0
	286,0	80,0	43,0	39,0	70,0	48,0
		82,0	44,0	41,0		
		79,0	42,0			
F. 714	277,0	79,0	39,0	41,0	68,0	47,0
F. 385	276,0	80,0	40,0	37,0	67,0	43,0
F. 691	294,0	80,0	40,0	41,0	71,0	48,0
F. L	276,0	78,0	41,0	38,0	69,0	42,0
F. 425	304,0	83,0	44,0	40,0	75,0	50,0
	275,0	80,0	40,0	38,0	69,0	42,0
F. 274		94,0	49,0			
		79,0	40,0			
F. V		77,0	35,0			
					64,0	39,0
F. R		89,0	46,0	40,0		
					69,0	38,0
F. 3		83,5	42,0	40,0		
F. 272		81,0	41,0	43,0		
		81,0	43,0	(40.0)		

MAIRY "Les Hautes Chanvières"

BOVINS MICHELSBERG (suite)

Fémur	Lt.	Li.	PDt.	PDp.	DiaDt.	DDt.	DDp.
F. 1001	360,0	334,0	112,0	46,0	34,0	98,0	126,0
	363,0	331,0	116,0	45,5	34,0	98,0	124,0
	360,0	345,0	118,0	43,0	33,0	95,0	126,0
	347,0	328,0	113,0	44,0	31,0	92,0	122,0
F. S	354,0	338,0	112,0	44,0	35,0	94,0	121,0
						98,0	126,0
						92,0	(110,0)
						91,0	(119,0)
						97,0	127,0
F. 385	361,0	334,0	118,0	45,0	34,0	96,0	127,0
F. 691	(364,0)	342,0	118,0	45,0	36,0	101,0	133,0
			116,0	44,0			
			117,0	45,0			
					33,0	95,0	122,0
						95,0	127,0
F. 272	370,0	340,0	112,0	47,0	35,0	97,0	121,0
			105,0	42,0			
F. V	346,0	232,0	112,5	40,5	34,0	90,0	122,5
			115,0	46,0			
						97,0	125,0
						92,0	116,0
						94,0	118,0
						93,0	124,0
F. R			112,0	43,0			
			120,0	44,0			
					31,0	96,0	122,0
						95,0	121,0
						94,0	120,0
F. 664	377,0	347,0	122,0	47,0	38,5	100,0	130,0
						109,0	127,0

132 PREMIERS ELEVAGES NEOLITHIQUES DU NORD-EST DE LA FRANCE

MAIRY "Les Hautes Chanvières"

BOVINS MICHELSBERG (suite)

Tibia	Lt.	PDt.	PDp.	DiaDt.	DDt.	DDp.
F. 1001	344,0	98,0	83,0	38,0	60,0	44,0
	348,0	99,0	83,0	37,0	62,0	46,0
	347,0	99,0	82,0	37,0	62,0	46,0
					60,0	44,0
					59,0	43,0
F. S	346,0	97,0	81,0	39,0	57,0	46,0
	332,0	90,0	73,0	35,0	56,0	41,0
	359,0	95,0	81,0	38,0	60,0	44,0
	344,0	94,0	81,0	35,0	57,0	43,0
				36,0	61,0	43,0
F. 385	333,0	(101,0)	81,0	35,5	62,0	44,0
	344,0	96,0	81,0	35,0	58,0	44,0
	350,0	98,0	81,0	35,0	60,0	44,0
F. 691	352,0	95,0	77,0	37,0	63,0	46,0
F. R	334,0	92,0	81,0	36,0	54,0	44,0
		95,0	81,0			
					68,0	52,0
					63,0	46,0
F. 274					60,0	44,0
					71,0	50,0
F. 272					58,0	44,0
F. 3					57,0	41,0
					59,0	44,0
					62,0	45,0
F. N		101,0	89,0	38,0		
		95,0	82,0			
F. V		100,0	89,0			
F. 669		101,0	87,0			
				48,0	72,0	51,0
					63,0	45,0
F. 700					61,5	46,0

MAIRY "Les Hautes Chanvières"

BOVINS MICHELBERG (suite)

Métacarpe	Lt.	PDt.	PDp.	DiaDt.	PoDt.	PoDp.	DDt.	DDp.
F. 1001	201,0	58,0	37,0	31,0	60,0	34,0	54,0	27,0
	207,0	57,0	33,0	29,0	56,0	32,0	52,0	27,0
	209,0	56,0	36,0	30,0	57,0	32,0	52,0	29,0
	209,0	55,0	36,0	32,0	60,0	33,0	54,0	27,0
	203,0	58,5	36,0	31,0	60,0	33,0	54,0	27,5
	197,0	53,0	33,5	31,0	56,0	31,0	51,0	26,0
F. S	206,0	57,0	35,0	31,0	58,0	31,0	54,0	28,0
	198,0	53,0	33,0	27,0	54,0	31,0	49,0	27,0
F. 385	206,0	54,0	33,5	28,0	55,0	30,0	51,0	27,0
	199,0	58,0	37,0	30,0	57,0	31,0	50,0	27,0
	206,0	64,0	37,5	32,0	61,5	34,0	57,0	28,0
	203,0	55,0	33,5	29,0	56,0	32,0	51,0	26,0
F. 483	205,0	60,0	36,0	32,0	63,0	33,0	56,0	27,0
	195,0	53,0	33,0	29,0	57,0	30,0	50,0	25,0
F. 323	205,0	57,0	33,0	29,5	58,0	32,0	52,0	27,0
F. 272	205,0	62,5	39,0	36,0	62,0	34,0	59,0	35,0
	207,0	52,0	35,0	30,0	56,0	32,0	49,0	27,0
F. V	215,0	58,0	38,0	32,0	59,0	34,0	55,0	29,5
F. Y	198,5	55,0	29,5	29,5	56,0	32,0	51,5	39,0
F. N	207,0	65,0	42,0	39,5	68,5	36,0	63,0	33,0
F. L	204,0	57,0	34,0	29,5	57,0	32,0	52,5	28,0
F. 271	213,0	61,0	37,0	33,0	59,0	33,0	54,0	28,0
	210,0	59,0	35,0	32,0	58,0	32,0	54,0	28,0
	199,0	54,0	33,0	27,0	56,0	32,0	50,0	27,0
	218,0	71,0	40,0	40,0	72,0	36,0	65,0	31,0
F. 485	220,0	61,0	37,0	31,0	60,0	34,0	54,0	29,0
	193,0	51,0	33,0	27,0	55,0	31,0	51,0	25,0
	193,0	56,0	34,0	32,0	58,0	32,0	52,0	26,0
F. 427	197,0	55,0	33,0	31,0	58,0	30,0	53,0	26,0
	190,0	52,0	31,0	28,0	56,0	29,0	50,0	27,0
F. 425	202,0	57,0	37,0	29,0	56,0	32,0	51,0	27,0
F. 280	212,0	64,0	37,0	33,0	69,0	35,0	63,0	36,0
	215,0	59,0	38,0	32,0	59,0	33,0	53,0	29,0
F. 8	195,0	54,0	32,0	28,5	53,5	31,5	49,5	28,0
F. 1407	213,0	69,5	41,5	38,0	72,5	34,0	66,5	33,0

MAIRY "Les Hautes Chanvières"

BOVINS MICHELSBERG (suite)

Talus	Ll.	DDt.	Hl.
F. 1001	69,0	41,0	34,0
	66,0	40,0	34,0
F. S	67,0	41,0	33,0
	68,0	41,0	35,0
F. 691	70,0	43,0	33,0
F. 272	70,0	42,0	36,0
	68,0	41,0	34,0
	71,0	41,0	35,0
	68,0	41,0	
F. R	68,0	42,0	33,0
	69,0	41,0	34,0
	68,0	39,0	33,0
	66,0	40,0	33,0
	67,0	41,0	33,0
	75,0	45,0	36,0
	70,0	41,0	34,0
	70,0	42,0	35,0
	66,0	40,0	33,0
	70,0	44,0	36,5
	66,0	46,0	34,0
	66,0	41,0	34,0
	66,0	43,0	34,0
	68,0	40,0	34,0
	69,0	41,0	35,0
	68,0	40,0	33,0
	73,0	45,0	38,0
	70,0	44,0	36,0
	66,0	42,0	34,0
	63,0	44,0	34,0
	63,0	38,0	33,0
F. 669	75,0	46,5	40,0
F. Y	65,5	41,0	34,0
	75,0	44,0	36,5
	63,0	39,5	31,5
	69,0	41,5	35,0
F. 700	68,5	41,5	35,0
F. 271	65,5	36,5	31,5
	62,5	36,0	32,0
	63,0	39,0	31,0
	71,0	42,0	33,0
	76,0	45,0	36,5
	65,5	39,0	37,0

Calcaneum	Lt.
F. S	134,0
	115,0
F. 691	135,0
F. 272	132,0
F. V	137,0
	126,0
F. R	134,0
	133,0
	133,0
	141,0
	126,0
	132,0
	124,0
	128,0
	125,0
	131,0
F. N	160,0
F. 271	152,0

Naviculaire	DDt.	DDp.
F. S	50,0	51,0
	52,0	47,0
F. 691	55,0	53,0
	49,0	44,0
F. 272	50,0	42,0
F. R	51,0	46,0
	50,0	46,0
	51,0	48,0
	53,0	49,0
	49,0	47,0
	52,0	51,0
	50,0	44,0
	50,0	48,0
	57,0	51,0
	52,0	49,0
	49,0	48,0
	58,0	53,0
F. 669	48,0	45,0
F. Y	51,0	47,0
	50,0	48,0
	51,0	47,0
F. N	54,0	48,0
	57,0	54,0
	51,0	47,0
F. M	58,0	51,0
	57,0	52,0
	50,0	46,0
	56,0	56,0
F. 271	56,0	53,0
F. 8	51,5	49,0

MAIRY "Les Hautes Chanvières"

BOVINS MICHELSBERG (suite)

Métatarse	Lt.	PDt.	PDp.	DiaDt.	PoDt.	PoDp.	DDt.	DDp.
F. 1001	229,0	46,0	47,0	28,0	54,0	32,0	50,0	26,0
	241,0	46,0	45,0	25,0	54,0	33,0	48,0	27,0
	232,0	46,0	44,0	25,5	52,0	31,0	48,0	28,0
	225,0	49,0	46,0	27,0	55,0	32,0	50,0	30,0
F. S	230,0	45,0	45,0	27,0	54,0	30,0	53,0	29,0
	236,0	48,0	47,0	26,0	53,0	31,0	48,0	28,0
	234,0	47,0	46,0	24,0	53,0	31,0	50,0	27,0
	218,0	45,0	43,0	25,0	53,0	30,0	50,0	27,0
F. 385	233,0	47,0	46,0	25,0	54,0	33,0	50,0	28,0
	228,0	45,0	44,0	25,0	53,0	31,0	48,0	24,0
	223,0	45,0	43,0	25,0	53,0	31,0	49,0	28,0
	230,0	46,0	45,0	24,0	52,5	30,5	49,0	28,0
F. 691	231,0	47,0	44,0	25,5	53,0	33,0	50,0	25,0
	239,0	45,0	47,0	22,5	53,0	32,0	48,0	29,0
F. 272	237,0	44,0	43,5	26,0	53,0	32,0	49,0	30,0
	242,0	49,0	48,0	26,0	56,0	33,0	52,0	29,0
F. V	222,0	45,0	44,0	23,5	51,5	28,5	47,5	26,5
	236,0	48,0	48,0	28,0	57,0	34,0	51,0	29,5
	237,0	46,0	45,0	27,0	53,0	32,5	50,0	27,0
	238,0	49,0	48,0	28,5	56,0	34,0	52,0	31,0
F. R	225,0	48,0	44,0	24,0	53,0	32,0	49,0	28,0
	232,0	45,0	45,0	25,0	52,0	31,0	47,0	27,0
	224,0	45,0	47,0	25,0	50,0	30,0	47,0	28,0
	224,0	44,0	43,5	27,0	54,0	30,0	51,0	26,0
	227,0	46,0	44,0	23,0	54,0	32,5	50,0	32,0
F. Y	230,0	45,5	43,0	25,5	49,0	29,0	46,0	29,0
F. N	231,0	47,0	43,5	28,5	54,0	31,5	49,0	28,0
	236,0	50,0	48,0	26,0	60,0	33,0	56,0	33,0
	213,0	45,0	43,0	25,0	51,0	30,0	47,0	28,0
F. M	244,0	50,0	47,0	27,5	57,0	34,0	51,5	27,5
F. 271	229,0	46,0	42,0	23,5	51,0	30,0	48,0	29,0
F. 427	238,0	48,0	47,0	26,0	55,0	35,0	51,0	28,0

MAIRY "Les Hautes Charvières"

BOVINS MICHELSBERG (suite)

Phalange I	Lt.	PDt.
F. S	63,0	27,0
	55,0	27,0
	57,0	30,0
	63,0	31,0
	61,0	27,0
	54,0	27,0
	54,0	26,0
F. 483	54,0	26,0
F. 691	58,0	31,0
	60,0	27,0
	54,0	29,0
F. 274	67,0	28,0
	64,0	29,0
F. 272	56,0	29,0
	70,0	31,0
	58,0	28,0
	64,0	28,0
	63,0	27,0
	57,0	30,0
	63,0	27,0
F. R	62,0	31,0
	59,0	30,0
	60,0	28,0
	63,0	29,0
	63,0	31,0
	59,0	28,0
	61,0	29,0
	61,0	27,0
	61,0	29,0
	69,0	33,0
	59,0	29,0
	59,0	30,0
	61,0	28,0
	65,0	32,0
	67,0	34,0
	57,0	25,0
	62,0	29,0
	63,0	28,0
	56,0	29,0
	60,0	29,0
	60,0	28,0
	62,0	28,0
	59,0	30,0
	63,0	27,0
	61,0	25,0
	59,0	29,0
	60,0	26,0

Phalange I	Lt.	PDt.	
F. R	60,0	30,0	
	65,0	29,0	
	62,0	27,0	
	64,0	37,0	
	62,0	27,0	
	59,0	29,0	
	63,0	28,0	
	61,0	29,0	
	59,0	25,0	
	F. 669	48,0	21,0
		61,0	26,0
		65,0	28,0
		65,0	25,0
		64,0	26,0
		61,0	27,0
60,0		26,0	
63,0		26,0	
59,0		24,0	
58,0		25,0	
67,0	36,0		
66,0	32,0		
61,0	25,0		
60,0	27,0		
69,0	31,0		
66,0	32,0		
60,0	32,0		
F. L	60,0	29,0	
	61,0	29,0	
F. M	59,0	29,0	
	72,0	36,0	
	56,0	29,0	
	56,0	29,0	
	57,0	29,0	
F. 271	59,0	31,0	
	56,0	29,0	
	63,0	30,0	
	56,0	30,0	
	59,0	31,0	
	55,0	29,0	
	57,0	31,0	
	58,0	32,0	
	58,0	29,0	
	57,0	29,0	
	55,0	23,0	
	55,0	23,0	
57,0	23,0		

MAIRY "Les Hautes Charvières"

BOVINS MICHELSBERG (suite)

Phalange II	Lt.	PDt.
F. S	40,0	27,0
	39,0	29,0
	36,0	30,0
F. 483	33,0	26,0
F. 691	36,0	29,0
F. 274	43,0	31,0
F. 272	44,0	30,0
	46,0	35,0
F. R	36,0	27,0
	45,0	32,0
	44,0	29,0
	39,0	25,0
	41,0	27,0
	40,0	28,0
	44,0	29,0
	41,0	31,0
	37,0	26,0
	41,0	27,0
	41,0	28,0
	41,0	26,0
	40,0	28,0
	39,0	25,0
	47,0	33,0
41,0	27,0	
F. Y	38,0	26,0
	41,0	28,0
	41,0	26,0
	41,0	27,0
	41,0	26,0
	44,0	29,0
	44,0	28,0
	41,0	28,0
	41,0	27,0
	41,0	26,0
42,0	27,0	
F. N	40,0	25,0
	41,0	26,0
	47,0	34,0
	38,0	26,0
	42,0	29,0
	40,0	30,0
	40,0	30,0
	44,0	31,0
44,0	31,0	

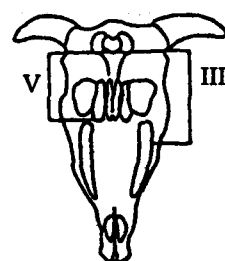
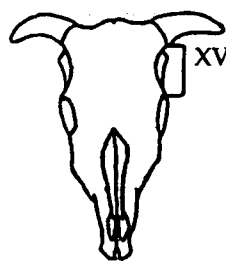
Phalange II	Lt.	PDt.
F. L	43,0	28,0
	42,0	28,0
F. M	42,0	28,0
	40,0	28,0
F. 271	39,0	29,0
	39,0	28,0
	40,0	27,0
	38,0	25,0
	46,0	30,0
	42,0	31,0
	38,0	27,0
	38,0	29,0
	37,0	30,0
	35,0	28,0
	37,0	25,0
	35,0	23,0
	33,0	24,0
	37,0	31,0
	36,0	28,0
35,0	23,0	
43,0	29,0	
42,0	31,0	
38,0	31,0	
37,0	28,0	
44,0	31,0	
38,0	27,0	
33,0	25,0	
41,0	28,0	
36,0	28,0	
36,0	24,0	
31,0	25,0	
34,0	23,0	
37,0	32,0	
37,0	31,0	
39,0	28,0	
48,0	34,0	
46,0	34,0	
F. 8	43,0	28,0
	41,0	28,0
	43,0	27,0
	41,0	29,0
	41,0	27,0
42,0	27,0	

PAGNY-SUR-MOSELLE "En Navut"

BOVINS NEOLITHIQUE FINAL (squelettes)

Crâne	Bos 1	Bos 5	Bos 7
1	517,0	475,0	464,0
2	465,0	457,0	468,0
3	436,0	430,0	441,0
4	291,0	302,0	287,0
5	144,0	128,0	153,0
7	270,0	261,0	276,0
8	259,0	219,0	240,0
9	292,0	246,0	282,0
10		391,0	410,0
11	374,0	341,0	363,0
12		173,0	172,0
13	228,0	226,0	(179,0)
14	340,0	329,0	342,0
15	314,0	315,0	316,0
16	157,0	150,0	160,0
17	266,0	257,0	272,0
18	210,0	194,0	214,0
19	150,0	142,0	177,0
20	126,0	(130,0)	127,0
21	80,0	(85,0)	78,0
22	51,0	(53,5)	50,5
23	59,0	56,0	61,0
24	58,0	63,0	57,0
25	232,0	230,0	
26	99,0	108,0	97,0
27	162,0	(164,0)	
28	32,5	44,0	40,0
29	41,0	42,0	39,5
30	156,0	161,0	138,0
31	119,0	158,0	150,0
32	188,0	178,0	170,0
33	226,0	225,0	211,0
34	143,0	152,0	142,0
35	152,0	145,0	143,0
36	59,0	60,0	61,0
37	85,0	80,0	85,0
38	138,0	129,0	142,0
39	29,5	37,0	36,0
40	178,0	146,0	147,0
41	138,0	105,0	115,0
42	480,0		433,0
42a	750,0		730,0
43	510,0		471,0
44	280,0	205,0	200,0
45	102,0	70,0	75,0
46	71,0	55,0	57,0
47	320,0		280,0
III	221,0	222,0	221,0
V	165,0	165,0	163,0
XV	99,0	112,0	105,0

Mandibule	Bos 1	Bos 5	Bos 6	Bos 7
1	381,0	370,0	382,0	382,0
2	399,0			403,0
3	118,0			111,0
4	255,0			263,5
5	252,0			253,5
6	317,0			321,0
7	131,0	144,0	139,0	136,5
8	82,0	91,0	86,5	85,0
9	45,0	46,0	51,0	50,0
10	34,0/15,0	29,5/14,0		36,5/17,0
11	(94,0)	93,0	95,0	111,0
12	156,0			152,0
13	146,0		160,0	149,0
14	188,0	196,0	190,0	190,0
15a	65,0			67,5
15b	54,0			47,0
15c	34,0			35,5



PAGNY-SUR-MOSELLE "En Navut"

BOVINS NEOLITHIQUE FINAL (squelettes, suite)

BOS 1	Lt.	ADt.	ADp.	CDt.	CDp.				
Scapula	374,0	78,0	57,0	61,0	32,0				
	Lt.	Li.	PDt.	PDp.	DiaDt.	PoDt	PoDp	DDt.	DDp.
Humérus	294,0	263,0	106,0	115,0	41,0			92,0	77,0
Radius	285,0		88,0	43,0	45,0			76,0	55,0
Métacarpe	196,0		63,0	40,0	37,0	64,0	37,0	60,0	35,0
Fémur		341,5		46,5	43,0	(86,0)		115,0	

BOS 5	Lt.	ADt.	ADp.	CDt.	CDp.				
Scapula	388,0	73,5	52,3	59,5	29,0				
	Lt.	Li.	PDt.	PDp.	DiaDt.	PoDt	PoDp	DDt.	DDp.
Humérus		282,0	107,0	116,0	39,0			89,0	78,0
Radius	312,0		86,0	43,0	42,0			77,0	45,0
Métacarpe	190,0		62,0	37,0	38,5	72,0	35,0	62,0	29,0
Fémur	385,0	374,0	131,0	46,0	43,5			98,0	130,0
Tibia	397,0	360,0	100,0	95,0	42,5			63,0	46,0
Talus	68,0							40,5	
Calcaneum	137,0								
Naviculaire								54,0	52,0
Métatarse	223,0		51,0	48,0	30,0	59,0	31,0	53,0	30,0
Phalange I	64,0		30,5						
	63,0		30,6						
	59,0		30,2						
Phalange II	39,5		29,8						
	39,0		29,6						
Phalange II	80,7		29,0						
	79,8		30,0						
	66,0		26,0						
	35,0		26,0						

BOS 7	Lt.	ADt.	ADp.	CDt.	CDp.				
Scapula	356,0	70,0	52,0	54,5	24,5				
	Lt.	Li.	PDt.	PDp.	DiaDt.	PoDt	PoDp	DDt.	DDp.
Humérus		(259,0)	81,0	100,0	37,0			76,0	71,0
Radius	282,0		78,0	41,5	41,0			69,0	47,0
Métacarpe	203,5		57,0	35,0	33,0	62,0	32,0	56,0	29,0
Fémur		(332,0)		44,5	38,0			95,0	118,0
Tibia	350,0		93,0	81,0	42,0			58,0	45,0
Talus	66,0							40,0	
Naviculaire								54,0	31,0
Calcaneum	129,0								
Métatarse	234,0		48,0	45,0	28,0	56,0	32,0	52,0	30,0
Phalange I	59,0		30,5						
	62,0		31,0						
	65,0		28,5						
	65,0		28,0						
	61,5		28,0						
	62,5		28,5						
Phalange II	39,0		29,0						
	39,0		28,5						
	39,0		27,5						
	38,5		29,0						
	36,0		30,0						
	38,0		30,0						
Phalange II	67,0		27,0						
	65,5		27,0						
	66,0		26,0						

140 PREMIERS ELEVAGES NEOLITHIQUES DU NORD-EST DE LA FRANCE

PAGNY-SUR-MOSELLE "En Navut"

BOVINS NEOLITHIQUE FINAL (os épars)

Scapula	ADt.	CDt.	CDp.
	62,5	54,0	25,0

Talus	Ll.	DDt.	Hl.
	63,0	37,0	32,0

Tibia	PDt.	PDp.	DiaDt.
	88,5	79,0	35,0

Naviculaire	DDt.	DDp.
	50,0	44,0

Métacarpe	Lt.	PDt.	PDp.	DiaDt.	DDt.	DDp.	PoDt	PoDp
	173,0			27,5	45,5	21,0	50,5	23,0
	176,0	52,5	31,5	28,0	48,5	25,5	54,0	28,5

Métatarse	Lt.	PDt.	PDp.	DiaDt.	DDt.	DDp.	PoDt	PoDp
	208,0	43,5	43,0	24,5	46,5	27,5	49,0	29,5

TABLEAU SYNTHETIQUE DES MENSURATIONS D'AUROCHS DU RUBANE D'ALSACE ET DE CHAMPAGNE

		n	min.	max.	moy.	écart -type
Scapula	ADt.	17	88,0	102,0	93,3	4,1
	ADp.	13	61,0	88,0	69,2	6,7
	CDt.	9	71,0	85,0	77,0	4,5
	CDp.	10	32,0	42,0	35,8	2,9
Humérus	DDt.	8	98,0	122,0	108,2	7,3
	DDp.	6	88,0	118,0	97,2	9,4
Radius	PDt.	7	95,0	108,0	101,0	3,9
	PDp.	7	48,0	56,0	51,3	2,4
	DDt.	1	105,0			
	DDp.	1	69,0			
Métacarpe	PDt.	1	79,0			
	PDp.	1	50,0			
	PoDt.	3	77,0	80,0	78,3	1,2
	PoDp.	3	39,0	44,0	42,0	2,1
Tibia	PDt.	3	105,0	118,0	112,6	5,5
	PDp.	3	84,0	103,0	94,6	7,9
	DDt.	4	74,0	87,0	81,2	5,4
	DDp.	4	59,0	65,0	62,2	2,1
Naviculaire	DDt.	13	61,0	79,0	68,9	6,3
	DDp.	13	58,0	75,5	64,7	4,9
Métatarse	PDt.	11	57,0	68,0	61,0	4,0
	PDp.	11	53,0	66,0	59,4	4,2
	PoDt.	8	64,0	76,0	69,0	3,9
	PoDp.	8	35,0	44,0	39,3	2,8

TABLEAU SYNTHETIQUE DES MENSURATIONS DE BOVINS DOMESTIQUES DU RUBANE D'ALSACE ET DE CHAMPAGNE

		n	min.	max.	moy.	écart -type
Scapula	ADt.	17	67,5	85,0	75,1	5,3
	ADp.	18	44,0	70,2	53,2	6,3
	CDt.	17	52,0	82,0	60,8	7,3
	CDp.	17	22,0	34,0	26,5	3,5
Humérus	DDt.	10	75,0	95,0	86,7	6,2
	DDp.	9	74,0	87,0	78,4	3,8
Radius	PDt.	9	75,0	89,0	84,2	4,1
	PDp.	9	39,0	44,5	42,1	1,6
	DDt.	12	62,0	91,0	76,6	7,4
	DDp.	12	41,0	56,0	47,5	4,5
Métacarpe	PDt.	14	58,0	71,5	62,3	3,7
	PDp.	14	34,0	44,0	38,3	2,7
	PoDt.	16	55,0	74,0	64,9	4,7
	PoDp.	16	33,0	38,0	35,2	2,1
Tibia	PDt.	4	83,0	100,0	91,7	7,3
	PDp.	4	77,0	99,0	87,3	7,1
	DDt.	17	59,0	72,0	65,1	3,2
	DDp.	17	43,0	52,0	47,5	2,9
Naviculaire	DDt.	6	52,5	57,0	54,8	1,7
	DDp.	6	45,0	59,5	52,1	4,3
Métatarse	PDt.	14	37,5	56,0	48,6	4,4
	PDp.	14	40,0	54,0	47,0	3,6
	PoDt.	17	48,0	63,0	57,5	3,4
	PoDp.	17	27,0	36,0	32,8	2,5

TABLEAU SYNTHETIQUE DES MENSURATIONS DE BOVINS DOMESTIQUES DU SITE MICHELBERG DE MAIRY

		n	min.	max.	moy.	écart -type
Scapula	ADt.	35	47,0	77,0	64,9	5,5
	ADp.	35	40,0	65,0	50,1	5,5
	CDt.	32	42,0	60,0	49,8	4,1
	CDp.	32	19,0	26,0	22,2	1,9
Humérus	Lt.	7	276,0	320,0	295,0	13,8
	PDt.	9	86,0	97,0	91,5	3,7
	PDp.	12	96,0	107,0	102,5	2,8
	DiaDt.	15	31,0	37,5	33,8	1,9
	DDt.	18	63,0	91,0	78,3	5,0
	DDp.	17	73,0	94,0	77,6	4,9
Radius	Lt.	13	275,0	304,0	284,0	9,8
	PDt.	23	74,0	94,0	81,0	3,8
	PDp.	23	35,0	46,0	41,5	2,6
	DiaDt.	19	37,0	41,0	39,5	1,6
	DDt.	16	64,0	75,0	69,1	2,5
	DDp.	16	38,0	50,0	44,1	3,6
Métacarpe	Lt.	35	193,0	220,0	204,5	7,3
	PDt.	35	52,0	71,0	57,7	4,6
	PDp.	35	29,5	42,0	35,4	2,8
	DiaDt.	35	27,0	40,0	31,1	3,1
	DDt.	35	49,0	66,5	54,1	4,8
	DDp.	35	25,0	36,0	28,2	2,5
Fémur	Lt.	10	346,0	377,0	360,2	9,0
	PDt.	16	105,0	122,0	114,9	3,9
	PDp.	16	40,5	47,0	44,4	1,7
	DiaDt.	12	31,0	38,5	34,0	1,9
	DDt.	24	90,0	109,0	95,8	3,8
	DDp.	24	116,0	133,0	123,0	4,7
Tibia	Lt.	12	332,0	359,0	344,4	7,7
	PDt.	17	90,0	101,0	96,8	3,1
	PDp.	17	73,0	89,0	81,9	3,7
	DiaDt.	15	35,0	48,0	37,3	3,1
	DDt.	27	54,0	72,0	60,9	4,1
	DDp.	27	41,0	52,0	45,0	2,5
Talus	Ll.	42	62,5	76,0	68,1	3,3
	DDt.	42	36,0	46,5	41,4	2,2
Calcaneum	Lt.	18	115,0	160,0	133,2	9,9
Naviculaire	DDt.	31	48,0	58,0	52,3	3,1
	DDp.	31	42,0	56,0	48,8	3,3
Métatarse	Lt.	32	213,0	244,0	231,0	6,9
	PDt.	32	44,0	50,0	46,4	1,6
	PDp.	32	42,0	48,0	45,2	1,7
	DiaDt.	32	22,5	28,0	25,6	1,5
	DDt.	32	46,0	56,0	49,5	2,0
	DDp.	32	24,0	33,0	28,1	1,8
Phalange I	Lt.	94	54,0	72,0	60,5	3,9
	PDt.	94	21,0	36,0	28,5	2,8
Phalange II	Lt.	88	31,0	48,0	39,7	4,8
	PDt.	88	23,0	35,0	28,1	2,5

DACHSTEIN "Am Geist"

SUIDES RUBANE

Radius	PDt.	PDp.
Ra	28,0	18,0

Métacarpe IV	PDt.	PDp.
Ra	22,0	22,0

COLMAR "Route de Rouffach"

SUIDES RUBANE

Scapula	ADt.	ADp.	CDt.	CDp.
Ra sanglier	46,7	28,6	31,7	16,2
Ra	30,4	26,0		

Calcaneum	Lt.
Ra sanglier	93,0

Humérus	DiaDt.	DDt.	DDp.
Ra		33,0	34,0
Ra		35,0	36,0
Ra sanglier	28,5	50,1	50,0
Ra sanglier	27,0	51,7	49,5

Métacarpe III	Lt.	PDt.	DiaDt.	DDt.
Ra	72,5	19,9	11,9	16,3

Phalange I	Lt.	PDt.
Ra	33,5	16,4
Ra sanglier	48,2	22,0

Tibia	PDt.	PDp.	DiaDt.	DDt.	DDp.
Ra sanglier	62,0	59,0	32,5		
Ra sanglier	66,5	64,0			
Ra sanglier	68,0	66,0			
Ra				33,0	23,8

Phalange II	Lt.	PDt.
Ra	21,0	15,2
Ra	27,8	19,8

ENSISHEIM "Ratfeld"

SUIDES RUBANE

Scapula	ADt.	ADp.	CDt.	CDp.
Ra	34,3	23,8	21,0	12,6
Rr sanglier	51,5	37,3	37,6	17,3

Talus	LI.	HI.
Ra sanglier	51,5	29,2
Ra sanglier	49,0	28,3
Rr	(39.2)	(21.5)

Humérus	DDt.	DDp.
Ra sanglier	50,5	48,5
Ra	38,8	39,1
Rm sanglier	57,5	55,0
Rr	44,0	44,3

Métacarpe III	Lt.	PDt.	DiaDt.	DDt.
R	101,5	28,5		23,6

Radius	PDt.	PDp.	DiaDt.
Rr sanglier	41,7	28,3	27,1
R	34,5	23,8	25,2

Métatarse IV	Lt.	PDt.	DiaDt.	DDt.
Ra sanglier	102,0	18,7	16,4	18,7
Rm	74,4	14,8	10,7	15,2

Tibia	PDt.	PDp.	DiaDt.	DDt.	DDp.
Ra sanglier	57,0	53,0			
Ra sanglier			24,0	35,6	30,3
Ra				29,9	25,4
Rm				28,4	23,5
Rm				32,0	26,1
Rm				27,3	24,1

Phalange I	Lt.	PDt.
Rm	37,6	15,0
Rm		
R	41,0	14,7

Phalange II	Lt.	PDt.
Rm sanglier	30,9	23,0
Rm sanglier	30,4	21,8
R sanglier	35,0	22,4

WETTOLSHEIM "Ricoh"

SUIDES RUBANE

Scapula	ADt.	ADp.	CDt.	CDp.
Ra	32,6	22,2		
Rr	30,7	25,6	21,0	10,8
Rr	32,8	24,7	22,2	16,0
Rr	32,0	23,2	20,3	10,6
Rr	31,2	22,3	21,5	10,5

Radius	PDt.	PDp.	DiaDt.
Ra	32,3	19,0	
R	26,4	19,0	15,3

Fémur	PDt.	PDp.
Rr	(53,0)	(21,0)

Humérus	Lt.	PDt.	PDp.	DiaDt.	DDt.	DDp.
Ra	168,0	39,0	55,8	13,2	33,7	32,4
Ra				15,5	37,0	36,2
Rr		42,0	56,5	18,0		

Tibia	DDt.	DDp.
Ra sanglier	37,0	32,0
R sanglier	40,3	32,1

JUVIGNY "Les Grands Traquiers"

SUIDES RUBANE

Humérus	DDt.	DDp.
Rr	45,0	58,0

Radius	PDt.	PDp.
Rr	37,0	26,5
Rr	36,7	26,5

Tibia	DDt.	DDp.
Rr	36,5	(27,0)

WETTOLSHEIM "Ricoh"

SUIDES GROSSGARTACH

Humérus	DDt.	DDp.
	31,0	26,5

Phalange I	Lt.	PDt.
	43,5	18,0
sanglier	36,8	15,5

MAIRY "Les Hautes Chanvières"

SUIDES MICHELSBERG

Mandibule	LDJ	LP	LM	LM3	IM3
	108,0	37,0	72,0	35,0	14,5
	107,0	39,0	69,0	34,5	17,5
			72,0	39,0	17,0

Humérus	DiaDt.	DDt.	DDp.
	17,0	40,0	39,0
	27,0	59,0	57,0

Calcaneum	Lt.
	82,0

Scapula	ADt.	ADp.	CDt.	CDp.
	40,0	28,0	24,0	15,0

Métacarpe III	Lt.	PDt.	DiaDt.	DDt.
	78,0	19,0	13,0	17,0
	85,0	20,0	15,0	18,0

Métacarpe IV	Lt.	PDt.	DiaDt.	DDt.
	80,0	17,0	12,0	18,0
	86,0	17,0	13,0	17,0

Métatarse III	Lt.	PDt.	DiaDt.	DDt.
	85,0	15,0	12,0	16,0
	88,0	17,0	13,0	18,0
	90,0	15,0	13,0	17,0
	88,0	15,0	13,0	17,0

Métatarse IV	Lt.	PDt.	DiaDt.	DDt.
	91,0	16,0	12,0	16,0
	93,0	18,0	13,0	19,0
	98,0	17,0	13,0	18,0
	94,0	18,0	13,0	17,0

DACHSTEIN "Am Geist"

CAPRINES RUBANE

Chev. oss.	Dt. Base	Dp. Base	C. Base
Ra	69,0	47,0	180,0
Ra	55,0	38,0	150,0

Humérus	DDt.	DDp.
Ra	30,0	28,0
Ra	28,0	27,0

Radius	PDt.	PDp.	DiaDt.
Ra chèvre	35,0	18,0	18,0
Ra chèvre	31,0	16,0	18,0

Métacarpe	PDt.	PDp.	DiaDt.
Ra	28,0	18,0	18,0

COLMAR "Route de Rouffach"

CAPRINES RUBANE

Chev. oss.	Dt. Base	Dp. Base	C. Base	L. ext.
Ra chèvre	49,0	40,0	140,0	280,0
Ra	54,0	42,5	160,0	210,0
Ra chèvre	62,0	43,0	170,0	

Mandibule	Lt.	LDJ.	LM.	LP.
Ra	69,2	45,5	22,3	33,7

Scapula	ADp.	ADt.	CDp.	CDt.
Ra	29,5	19,5	19,2	11,7

Humérus	PDt.	PDp.	DiaDt.
Ra	30,1	28,0	16,0
Ra	29,5		

Radius	PDt.	PDp.
Ra	26,0	15,5
Ra	25,0	14,0

Tibia	DiaDt.	DDt.	DDp.
Ra	14,5	22,7	18,1

ENSISHEIM "Ratfeld"

CAPRINES RUBANE

Chev. oss.	Dt. Base	Dp. Base	C. Base	L. ext.
Rm	30,8	17,5	82,0	90,0

Mandibule	LDJ.	LM.	LP.
Rm	66,8	45,3	21,0
Rm	72,0	48,8	23,4
Rm	68,4	47,3	21,0
Rm	66,0	45,0	18,9
Rm	67,5	47,5	20,4
Rm	66,5	45,7	20,7

Scapula	ADt.	ADp.	CDt.	CDp.
Ra	30,3	18,5	18,0	10,3
Ra	29,1	18,8	19,7	12,7
Ra	27,9	16,2	17,4	9,0
Ra	27,5	18,4	19,8	11,2
Rm	31,7	19,6	19,4	14,2
R	31,5	21,8	20,8	11,6

Humérus	DDt.	DDp.
Ra	26,8	23,2
Ra	25,0	23,1
Ra	28,8	24,2
Rr	26,5	22,8
R	(25,0)	(22,7)

Radius	PDt.	PDp.	DiaDt.
Ra	25,8	13,2	14,7
Ra	25,6	13,8	
Ra	29,5	15,9	
Ra chèvre	31,8	15,5	
Rm chèvre	30,2	15,5	
Rm	26,9	13,4	
Rm	29,3	15,0	15,5
Rm	27,3	14,0	
Rm	29,5	14,2	16,0
Rr	35,0	17,5	
Rr	31,5	16,3	

Fémur	PDt.	PDp.	DDt.	DDp.
Rr			34,2	40,0
Rr	42,8	18,5		

Tibia	DiaDt.	DDt.	DDp.
Ra	14,8	24,9	19,8
Ra	15,0	24,5	20,3
Ra	13,0	23,5	18,5
Rm		24,6	16,8
Rm	15,3	25,2	18,7
Rm	13,3	23,2	17,8
R	13,0	23,4	18,3

ENSISHEIM "Ratfeld"

CAPRINES RUBANE (suite)

Métacarpe	Lt.	PDt.	PDp.	DiaDt.	DDt.	DDp.	PoDt.	PoDp.
Rm	104,9	23,5	16,7	15,7	26,8	12,5	25,6	16,1
Rm	120,2	22,4	15,8	14,8	24,2	13,4	23,3	15,9
Rm					22,4	13,3	23,0	15,7

Calcaneum	Lt.
Rr	54,6

Métatarse	DDt.	DDp.	PoDt.	PoDp.
Rm	20,7	11,4	21,4	14,5

Talus	Ll.	DDt.
Rm	26,5	16,7
Rm	27,4	17,2
Rr	23,3	15,9
Rr	25,3	16,0
Rr	28,5	17,5

Phalange I	Lt.	PDt.
Ra	33,8	11,4
Ra	35,4	10,8
Rm	33,6	12,0
Rm	39,8	12,2
Rr	33,8	11,0

Phalange II	Lt.	PDt.
Ra	18,5	9,7
Rm	20,4	9,9
R	20,2	10,5

WETTOLSHEIM "Ricoh"

CAPRINES RUBANE

Chev. oss.	Dt.	BaseDp.	Base C.	Base	L. ext.
Ra	62,0	48,0	170,0	(175,0)	
Rr chèvre	35,5	23,0	93,0	150,0	
Rr chèvre	36,5	26,5	105,0	190,0	
Rr chèvre	68,1	48,3	182,0	180,0	
Rr chèvre	32,8	22,7	90,0		
Rr chèvre	40,5	36,0	150,0	230,0	

Fémur	PDt.	PDp.
Ra	45,4	20,0

Talus	Ll.	DDt.
Ra	29,4	19,8
Rr	26,8	16,8
	25,6	16,0

Mandibule	LDJ.	LM.	LP.
Rr	66,3	45,6	19,5
Rr	71,9	47,0	23,7
Rr	72,0	46,5	22,0

Tibia	PDt.	PDp.	DiaDt.	DDt.	DDp.
Rr	37,3	34,3	15,0		
Rr			14,5	24,4	20,2
R			16,1	25,3	18,7

Scapula	ADt.	ADp.	CDt.	CDp.
Ra	27,0	18,8	17,5	9,9
Rr	28,9	18,0	17,0	8,1
Rr	26,8	16,6	15,8	9,4

Calcaneum	Lt.
Ra	52,0
Rr	53,0

Humérus	DiaDt.	DDt.	DDp.
Ra	12,0	26,0	24,5
Ra chèvre	21,8	33,4	28,7
Ra	14,3	28,5	24,7
Rr	17,0	34,5	28,4
Rr		28,4	24,0
Rr	12,2	23,2	26,9
Rr chèvre	16,8	30,0	25,3
Rr	12,5	25,0	23,0
Rr	14,3	28,5	24,7

Métatarse	Lt.	DiaDt.
Rr	117,0	10,2

Phalange I	Lt.	PDt.
Ra	41,0	12,0
Ra	33,4	11,1
Rr	33,0	11,0
Rr	37,6	11,4
Rr	34,5	11,6
Rr	36,2	11,6
Rr	37,7	12,4
Rr	36,0	12,0

Radius	PDt.	PDp.
R	33,3	16,6

Métacarpe	Lt.	PDt.	PDp.	DiaDt.	DDt.	DDp.	PoDt.	PoDp.
Ra		19,8	15,0	11,2				
Ra chèvre				24,2	24,2	12,6	25,0	14,8
Rr				14,3	23,9	13,2	24,6	15,6
Rr chèvre	118,0	29,5	21,0	20,5	31,4	14,8	32,1	19,2

JUVIGNY "Les Grands Traquiers"

Scapula	ADt.	ADp.	DDt.	DDp.
Rr	30,5	22,0	18,5	11,0

Tibia	DiaDt.	DDt.	DDp.
Rr	12,5	22,2	17,0

CAPRINES RUBANE

Talus	Ll.	DDt.
Rr	26,0	16,7

WETTOLSHEIM "Ricoh"

Humérus	DiaDt.	DDt.	DDp.
	15,8	27,5	23,5

Radius	DiaDt.	DDt.	DDp.
	17,0	26,8	18,1

CAPRINES GROSSGARTACH

Phalange I	Lt.	PDt.
	36,6	12,1

MAIRY "Les Hautes Chanvières"

CAPRINES MICHELSBERG

Chev. oss.	Dt.	BaseDp.	Base C.	Base	L. ext.
F. 274	15,0	21,0	60,0	60,0	
chèvre	19,0	27,0	75,0		
F. 272	14,0	19,0	60,0	60,0	
	15,0	24,0	70,0	65,0	
	17,0	26,0	80,0	60,0	
	16,0	30,0	80,0	(65,0)	
	15,5	20,0	70,0	45,0	
F. R	17,0	30,0	78,0	70,0	
	18,0	30,0	80,0	(80,0)	
F. N	18,0	31,5	85,0	50,0	
F. M chèvre	21,5	31,5	88,0	100,0	
	16,5	32,5	82,0	(70,0)	
F. 427	19,0	32,5	97,0	100,0	
	20,0	31,0	85,0	82,0	
	21,0	34,0	98,0	100,0	
F. 425	59,0	42,0	162,0	(110,0)	
F. 483	19,0	34,0	97,0	60,0	
chèvre	21,0	27,0	75,0		
	21,0	36,0	95,0	70,0	
	44,0	65,0	180,0		

Scapula	ADt.	ADp.	CDt.	CDp.
F. 425	28,0	18,0	15,5	8,0
	28,0	19,0	17,0	9,0
F. S	29,0	17,0	16,5	9,0
	29,0	18,5	15,5	9,0
	28,0	19,0	16,0	9,0
F. 272	31,0	20,0	18,0	10,5
	29,0	17,5	16,5	8,5
F. 707	31,0	18,5	18,0	9,5
F. M chèvre	28,5	19,0	19,0	11,0

Mandibule	LDJ	LM	LP	LDia.	Ep.M3
F. 274	65,0	22,0	40,5	28,0	10,5
	68,5	20,5	46,0		11,0
	71,5	25,0	44,0	29,0	
F. N	74,5	23,0	59,5		14,0
F. M chèvre	72,5	26,5	48,0	36,0	14,0
F. 427	71,0	25,0	44,0	36,0	11,5
F. 425	69,0	24,0	44,0	30,0	12,5
	67,5	21,0	45,0	30,0	12,5
F. 483	70,5	24,0	47,0		12,5

MAIRY "Les Hautes Chanvières"

CAPRINES MICHELBERG (suite)

Humérus	Lt.	PDt.	PDp.	DiaDt.	DDt.	DDp.
F. 425	130,0	35,0	39,0	13,0	28,0	23,0
	131,0	34,0	38,0	13,0	27,0	23,0
	133,0	34,0	37,0	13,0	26,0	23,0
	134,0	38,0	40,0	13,0	29,0	24,0
	133,0	37,0	38,0	13,0	29,0	25,0
F. S	137,0	34,0	38,0	11,5	27,0	23,0
F. 274	130,0	39,5	39,0	12,5	26,0	22,5
	129,0	32,0	38,5	14,0	25,0	22,5
F. 272 chèvre	166,0	47,0	37,0	15,5	25,0	29,0
F. 669	134,0	36,0	38,0	14,0	27,0	23,0
F. M chèvre	163,0	36,5	46,5	15,0	28,0	25,0
F. N				14,0	29,0	23,5
F. 271				11,5	29,0	25,0
					28,5	24,5
F. S				12,0	27,0	24,0
				13,0	27,0	23,5
				12,5	28,0	24,0
				12,0	26,0	24,0

Radius	Lt.	PDt.	PDp.	DiaDt.	DDt.	DDp.
F. 425	141,0	29,0	14,0	14,0	25,0	18,0
	142,0	28,0	14,0	14,0		
	156,0	29,0	14,0	14,0	24,0	17,0
	146,0	28,0	15,0	14,0	25,0	16,0
	148,0	29,0	16,0	14,0	26,0	18,0
	150,0	29,0	16,0	15,0	27,0	18,0
	149,0	28,0	14,0	15,0	27,0	18,0
	148,0	30,0	16,0	16,0	28,0	19,0
F. 274	140,0	27,0	13,5	14,5	25,0	17,5
	151,0	28,0	14,0	16,0	27,0	18,0
F. 272	134,0	27,0	13,0	13,0	24,0	16,0
F. 669	143,0	28,0	14,0	15,0	24,0	17,0
F. 707	157,0	31,0	16,0	16,0	29,0	21,0
F. N	154,0	33,0	16,0	16,0	26,0	18,0
F. M chèvre	163,0	28,0	14,0	15,0	24,0	16,0
F. 271	136,0	28,0	15,0	14,0	27,0	18,0

Fémur	Lt.	Ll.	PDt.	PDp.	DiaDt.	DDt.	DDp.
F. 425	164,0		41,0	18,0	14,0	34,0	42,0
	166,0		42,0	19,0	14,0	34,0	42,0
	175,0		40,0	19,0	14,0	34,0	42,0
	172,0		42,0	18,0	14,0	36,0	41,0
	166,0		42,0	19,0	14,0	34,0	42,0
F. 669	162,0	157,0	41,0	18,0	16,0	35,0	40,0
F. 271	164,0	161,0	41,0	19,0	13,5	34,5	41,0
	165,0	162,0	42,0	18,0	14,0	32,5	39,0

MAIRY "Les Hautes Chanvières"

CAPRINES MICHELBERG (suite)

Tibia	Lt.	PDt.	PDp.	DiaDt.	DDt.	DDp.
F. 425	198,0	37,0	40,0	13,0	23,0	18,0
	210,0	37,0	38,0	13,0	24,0	18,0
	204,0	37,0	37,0	13,0	22,0	18,0
	199,0	37,0	36,0	13,0	23,0	18,0
	204,0	37,0	35,0	12,0	23,0	18,0
	189,0	37,0	37,0	12,0	24,0	18,0
F. M chèvre	214,0	37,0	41,0	13,5	23,5	17,5
F. 271	201,0	36,0	38,0	14,0	24,0	18,0
	201,0	36,0	38,0	11,5	22,0	17,0
F. 8	205,0	32,0	36,5	13,5	23,5	16,5

Talus	Ll.	DDt.
F. 425	27,0	18,0
	26,0	17,0
F. 272	26,5	17,0
	25,0	16,0
	26,0	17,0
	25,0	16,0
chèvre	26,0	16,5
F. M	26,0	16,0
F. 271	25,0	17,0

Naviculaire	DDt.	DDp.
F. 274	20,0	18,0
F. 272	21,0	17,5
	20,0	17,5
F. M chèvre	21,5	17,5
F. 271	21,0	17,0
	22,0	19,0
	20,5	17,5
	20,5	19,5

Calcaneum	Lt.
F. 425	52,0
	53,0
	53,0
	53,0
F. 272	55,0
	56,0
	49,0
F. 271	53,0
	51,0
	52,5

Métacarpe	Lt.	PDt.	PDp.	DiaDt.	PoDt.	PoDp.	DDt.	DDp.
F. S	125,0	21,0	15,0	11,0	22,0	15,0	22,0	12,0
	111,0	19,0	14,0	10,0	21,0	13,5	21,0	11,0
F. 274	106,0	23,0	16,0	16,0	26,5	15,5	26,0	11,5
	118,0	21,0	15,0	11,5	24,0	15,0	21,5	12,5
F. N	131,0	22,0	16,0	14,0	23,5	16,0	24,0	13,0
F. M chèvre	110,0	22,5	15,0	14,0	26,0	16,0	25,5	13,0
		22,0	16,0	12,0				
F. 425	123,0	21,0	14,0	12,0	23,0	15,0	23,0	11,0
	120,0	20,0	15,0	12,0	23,0	15,0	23,0	13,0
	123,0	21,0	14,0	12,0				
F. 427	127,0	23,0	16,0	12,0	24,0	16,0	23,0	13,0
	123,0	22,0	15,0	12,0	23,0	15,0	23,0	13,0
	118,0	20,0	15,0	10,0	22,0	15,0	21,0	10,0
	120,0	21,0	15,0	11,0	22,0	14,0	21,0	11,0
	129,0	22,0	16,0	12,0	23,0	16,0	23,0	13,0
	129,0	22,0	16,0	12,0	24,0	15,0	23,0	12,0
	119,0	20,0	15,0	12,0	23,0	15,0	23,0	12,0
	124,0	20,0	15,0	11,0	22,0	15,0	22,0	12,0

Métatarse	Lt.	PDt.	PDp.	DiaDt.	PoDt.	PoDp.	DDt.	DDp.
F. S chèvre	109,0	19,5	17,0	12,0	24,0	15,0	23,0	11,5
F. 272	123,0	17,5	17,0	9,0	21,5	14,0	20,0	10,0
F. 707	133,0	18,5	17,5	11,0	23,0	14,5	22,0	11,0
F. M chèvre	116,0	19,0	17,0	11,5	24,0	15,0	23,5	12,5
F. 425	133,0	18,0	19,0	10,0	21,0	15,0	21,0	12,0
	132,0	18,0	18,0	10,0		15,0	22,0	12,0
	132,0	18,0	18,0	10,0	22,0	14,0	22,0	12,0
	132,0	19,0	19,0	10,0	22,0	15,0	21,0	12,0
	139,0	19,0	19,0	10,0	23,0	15,0	22,0	12,0
	129,0	18,0	18,0	9,0	21,0	14,0	20,0	11,0
	132,0	19,0	20,0	11,0		16,0	22,0	13,0
	131,0	18,0	18,0	10,0	21,0	15,0	21,0	11,0
F. 271	135,0	20,0	21,0	9,5	24,0	15,0	22,0	13,0
	129,0	18,5	17,5	10,0	22,5	14,0	21,5	10,0
	129,0	18,0	17,5	10,0	21,0	14,0	20,0	11,0

Phalange I	Lt.	PDt.
F. 274	35,0	10,0
	35,0	11,5
	36,0	11,0
	34,5	10,0
	35,5	11,0
	35,0	10,0
	33,5	11,0
	34,0	11,0
F. 272	34,0	10,0
	34,0	10,0
F. M chèvre	37,0	12,0
	36,0	11,5
	37,0	11,5
	37,0	11,5
	38,0	12,5
	37,0	11,5

Phalange II	Lt.	PDt.
F. 274	21,5	11,0
	21,5	11,0
	21,5	10,0
	22,0	11,0
	19,0	9,0

TABLEAU SYNTHETIQUE DES MENSURATIONS DE MOUTONS DU RUBANE D'ALSACE ET DE CHAMPAGNE

		n	min.	max.	moy.	écart -type
Scapula	ADt.	11	26,8	31,7	29,1	1,6
	ADp.	11	16,2	22,0	18,9	1,7
	CDt.	11	15,8	20,8	18,4	1,4
	CDp.	11	9,0	14,2	10,8	1,6
Humérus	PDt.	2	29,5	30,1	29,8	
	PDp.	1	28,0			
	DiaDt.	7	12,0	17,1	14,2	1,9
	DDt.	14	23,2	34,5	27,3	2,6
	DDp.	14	22,7	28,0	24,7	1,9
Radius	PDt.	12	25,0	35,0	28,7	3,1
	PDp.	12	13,2	17,5	14,9	1,3
	DiaDt.	4	14,7	17,0	15,8	0,8
	DDt.	1	26,8			
	DDp.	1	18,1			
Métacarpe	Lt.	3	104,9	120,0	113,7	6,4
	PDt.	3	19,8	23,5	21,9	1,5
	PDp.	3	15,0	16,7	15,8	0,7
	DiaDt.	4	11,2	15,7	13,4	1,8
	PoDt.	4	23,0	25,6	24,1	1,0
	PoDp.	4	15,6	16,1	15,8	0,2
Tibia	PDt.	1	37,3			
	PDp.	1	34,3			
	DiaDt.	11	13,0	16,1	14,2	1,1
	DDt.	11	22,2	25,3	23,9	0,9
	DDp.	11	16,0	20,3	18,5	1,1
Talus	Ll.	8	23,3	29,4	26,6	1,8
	DDt.	8	15,9	19,8	16,9	1,2
Calcaneum	Lt.	3	52,0	54,6	53,2	1,1
Métatarse	Lt.	1	117,0			
	DiaDt.	1	10,2			
	PoDt.	1	21,4			
	PoDp.	1	14,5			
Phalange I	Lt.	13	33,0	41,0	35,8	2,4
	PDt.	13	10,8	12,4	11,5	0,5
Phalange II	Lt.	3	18,5	20,4	19,7	0,8
	PDt.	3	9,7	10,5	10,0	0,3

TABLEAU SYNTHETIQUE DES MENSURATIONS DE MOUTONS DU SITE MICHELSBERG DE MAIRY

		n	min.	max.	moy.	écart -type
Scapula	ADt.	10	28,0	31,0	29,1	1,2
	ADp.	10	17,0	20,0	18,6	0,9
	CDt.	10	15,5	19,0	16,9	1,1
	CDp.	10	8,0	11,0	9,3	0,8
Humérus	Lt.	9	129,0	137,0	132,0	2,4
	PDt.	9	32,0	39,5	35,5	2,2
	PDp.	9	37,0	40,0	38,3	0,8
	DiaDt.	15	11,5	14,0	12,8	0,8
	DDt.	15	25,0	29,0	27,4	1,2
	DDp.	15	22,5	25,0	23,5	1,3
Radius	Lt.	15	136,0	156,0	146,3	6,7
	PDt.	15	27,0	33,0	28,8	1,5
	PDp.	15	13,5	16,0	14,7	1,0
	DiaDt.	15	13,0	16,0	14,7	0,9
	DDt.	14	24,0	29,0	26,0	1,5
	DDp.	14	16,0	21,0	17,8	1,2
Métacarpe	Lt.	16	106,0	131,0	121,6	6,3
	PDt.	17	19,0	23,0	21,1	1,1
	PDp.	17	14,0	16,0	15,1	0,7
	DiaDt.	17	10,0	14,0	11,9	1,3
	DDt.	15	21,0	26,0	22,6	1,2
	DDp.	15	10,0	13,0	12,0	0,9
Fémur	Lt.	8	162,0	175,0	166,7	4,1
	PDt.	8	40,0	42,0	41,3	0,7
	PDp.	8	18,0	19,0	18,5	0,5
	DiaDt.	8	13,5	16,0	14,2	0,7
	DDt.	8	32,5	36,0	34,2	0,9
	DDp.	8	39,0	42,0	41,1	1,1
Tibia	Lt.	9	189,0	210,0	201,2	5,5
	PDt.	9	32,5	37,0	36,2	1,4
	PDp.	9	35,0	40,0	37,2	1,3
	DiaDt.	9	11,5	14,0	12,7	0,7
	DDt.	9	22,0	24,0	23,1	0,7
	DDp.	9	16,5	18,0	17,7	0,5
Talus	Ll.	8	25,0	27,0	25,8	0,7
	DDt.	8	16,0	18,0	16,7	0,6
Calcaneum	Lt.	10	49,0	55,0	52,7	1,8
Naviculaire	DDt.	7	20,0	22,0	20,7	0,6
	DDp.	7	17,0	19,5	18,0	0,8
Métatarse	Lt.	13	123,0	133,0	131,5	3,5
	PDt.	13	17,5	20,0	18,4	0,6
	PDp.	13	17,0	21,0	18,4	1,1
	DiaDt.	13	9,0	11,0	9,9	0,5
	DDt.	13	20,0	22,0	21,2	0,8
	DDp.	13	10,0	13,0	11,5	0,9
Phalange I	Lt.	15	33,5	38,0	35,4	1,3
	PDt.	15	10,0	12,5	11,0	0,8
Phalange II	Lt.	5	19,0	22,0	21,1	1,1
	PDt.	5	9,0	11,0	10,4	0,8

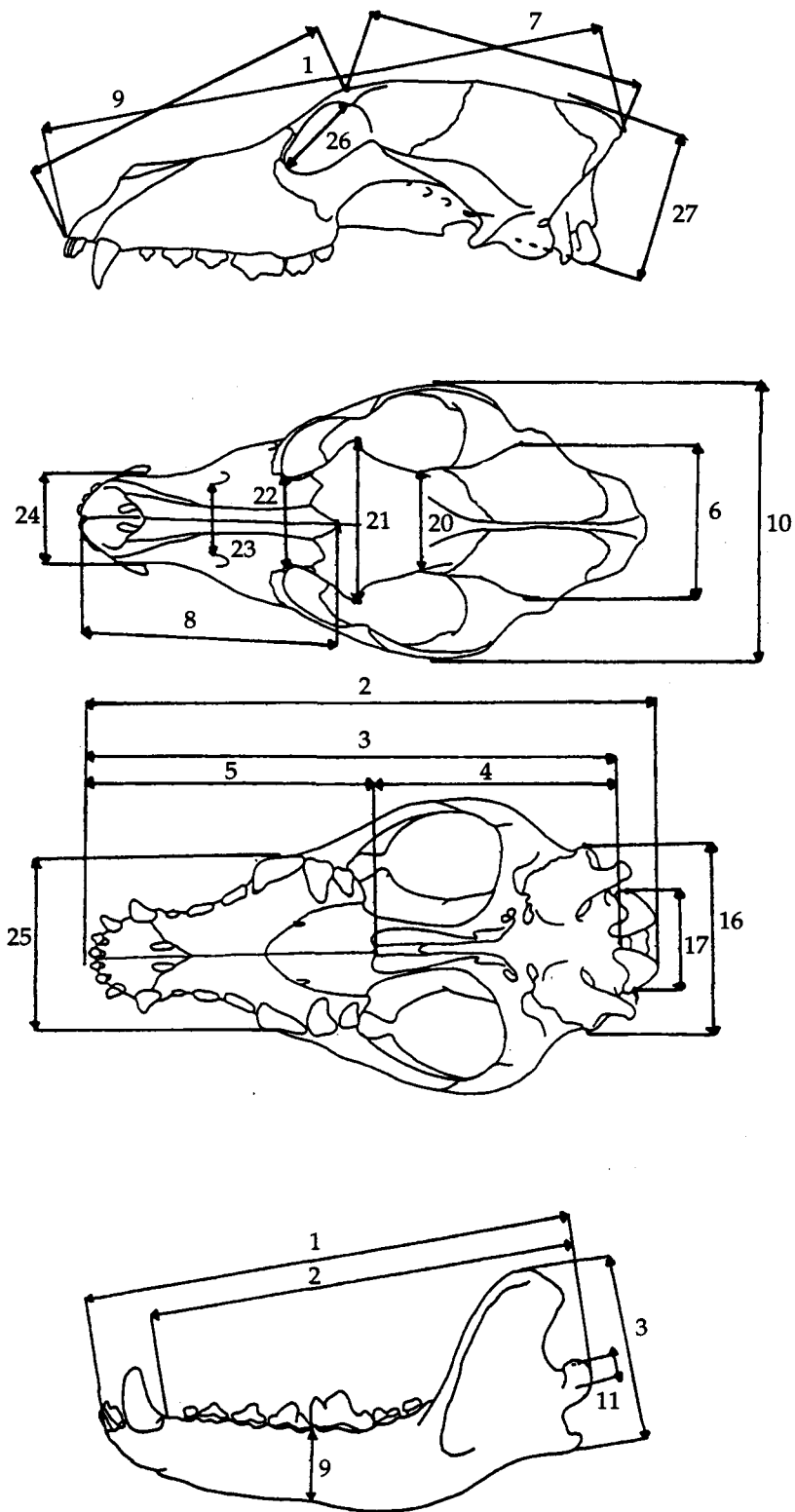


Schéma des mesures des crânes et des mandibules de chien utilisées dans les tableaux suivants

Crâne	F. 1406	F. 274	F.M
1	155,0	154,0	
2	146,0	144,0	
3	140,0	136,0	
4	62,5	61,0	
5	77,0	75,0	
6	56,0	57,0	56,0
7	77,0	77,0	83,0
8	90,0	91,0	
9	79,0	77,0	
10	94,0	90,0	
11	60,0	57,0	
12	18,0	(19,0)	
13	45,0	43,0	
14	18,0	16,5	18,5
15	9,0	9,0	9,5
16	54,0	55,0	64,0
17	31,0	31,0	35,0
18	15,5	16,0	19,0
19	13,5	14,0	
20	38,0	37,5	38,0
21	45,0	45,0	54,0
22	33,0	34,0	35,0
23	33,0	34,0	
24	31,0	30,0	
25	56,0	55,0	
26	18,0	28,0	
27	50,0	52,0	

Mandibule	F. 1406	F. 274	F.M
	117,0	115,0	136,0
	100,0	99,5	109,0
	47,5	45,0	50,5
	63,0	64,0	67,0
	32,0	31,0	32,5
	34,0	35,0	36,5
	20,0	19,0	20,0
	8,0	7,5	8,0
	18,0	17,0	20,0
	10,0	10,0	11,5
	21,0	21,0	23,0

Squelette 1406	Lt.	ADt.	ADp.	CDt.	CDp.	
Scapula	90,0	23,0	14,5	20,0	8,0	
	Lt.	PDt.	PDp.	DiaDt.	DDt.	DDp.
Humérus	125,0	25,0	32,0	10,0	25,0	20,0
Radius	122,0	15,0	10,0	10,0	19,0	11,0
Ulna	145,0	20,0	11,0	13,5	14,0	
Métacarpe II	48,5			5,0		
Métacarpe III	47,0			5,0		
Métacarpe IV	46,5			5,0		
Métacarpe V	39,5			5,0		
Fémur	136,0	29,0	15,0	12,0	25,0	27,5
Tibia	132,0	27,0	29,0	10,0	15,0	12,0
Talus	20,0					
Calcaneum	35,0					
Métatarse II	46,0			4,5		
Métatarse III	52,0			5,5		
Métatarse IV	54,0			5,0		
Métatarse V	47,0			4,5		

MAIRY "Les Hautes Chanvières"

CHIEN MICHELSBERG (suite)

Squelette F.M	Lt.	PDt.	PDp.	DiaDt.	DDt.	DDp.
Humérus	142,0	27,0	36,0	11,0	28,0	22,5
Radius	140,0	16,0	10,5	11,0	21,0	11,5
Ulna	165,0	21,0	12,5	15,0	17,5	
Fémur	155,0	32,5	16,5	11,5	28,0	30,5
Tibia	151,0	31,0	31,5	11,0	20,0	14,5
Métatarse II	53,0			5,5		
Métatarse III	59,5			6,5		
Métatarse IV	61,5			6,0		
Métatarse V	55,0			5,0		

Squelette 483	Lt.	PDt.	PDp.	DiaDt.	DDt.	DDp.
Humérus	142,0	34,0	25,0	10,0	27,0	22,0
Radius	141,0	16,0	11,0	11,0	21,0	16,0
Métacarpe II	46,0					
Métacarpe III	54,0					
Métacarpe IV	55,0					
Métacarpe V	46,0					
Fémur	155,0	33,0	16,0	12,0	30,0	32,0
Tibia	155,0	31,0		11,0	20,0	15,0
Métatarse II	54,0					
Métatarse III	60,0					
Métatarse IV	63,0					
Métatarse V	55,0					

Fosse F	Lt.	PDt.	PDp.	DiaDt.	DDt.	DDp.
Humérus	141,0	24,0	36,0	11,0	27,0	22,0
Fémur	155,0	33,0	17,0	11,0	28,0	30,0
Tibia	152,0	31,0	31,0	10,0	19,0	14,0

PAGNY-SUR-MOSELLE "En Navut"

CHIEN NEOLITHIQUE FINAL

Scapula	Lt.	ADt.	ADp.	CDt.	CDp.
	120,9	28,3	16,7	25,0	10,6

Métacarpe V	Lt.	PDt.	DDt.
	56,2	6,5	9,2

Fémur	Lt.	Li.	PDt.	PDp.	DiaDt.	DDt.	DDp.
	197,0	193,0	36,5	18,5	13,8	29,3	32,5

Métatarse III	Lt.	PDt.	DDt.
	70,2	6,7	7,8

Métatarse V	Lt.	PDt.	PDp.
	60,6	4,9	7,8

COLMAR "Route de Rouffach"

CERF RUBANE

Radius	PDt.	PDp.	DiaDt.	DDt.	DDp.
Ra	62,6	31,8			
Ra	53,0	28,0			
Ra			29,0	44,6	27,5

Talus	Lt.	DDt.
Ra	59,6	34,0

Fémur	DiaDt.	DDt.	DDp.
R	31,0	67,0	87,0

Phalange I	Lt.	PDt.
Ra	39,5	18,2

Tibia	DDt.	DDp.
Ra	70,0	74,0

Métatarse	DiaDt.	DDt.	DDp.	PoDt.	PoDp.
Ra	26,0	44,0	27,6	44,0	29,7

ENSISHEIM "Ratfeld"

CERF RUBANE

Radius	PDt.	PDp.
Rr	55,1	29,6

Fémur	PDt.	PDp.
Ra	75,0	33,9

Talus	Lt.	DDt.
Ra	59,6	34,0

WETTOLSHEIM "Ricoh"

CERF RUBANE

Scapula	ADt.	ADp.	CDt.	CDp.
Ra	37,0	25,0	57,5	38,0

Radius	DDt.	DDp.
Rr	47,2	32,0

Humérus	DiaDt.	DDt.	DDp.
Rr	58,0	45,0	52,0

Tibia	PDt.	PDp.
Ra	71,0	72,0

Radius	DDt.	DDp.
Rr	47,2	32,0

Métatarse	DDt.	DDp.	PoDt.	PoDp.
Ra	42,5	27,5	45,0	29,7

ORCONTE "Les Noues"

CERF RUBANE

Talus	Lt.	DDt.
Rm	52,0	32,5
Rm	60,0	36,0

COLMAR "Rue Balzac"

CERF GROSSGARTACH

Radius	PDt.	PDp.
	50,0	30,0

Métatarse	PDt.	PDp.	DiaDt.
	31,0	35,5	(22,0)

WETTOLSHEIM "Ricoh"

CERF GROSSGARTACH

Métacarpe	DiaDt.	DDt.	DDp.	PoDt.	PoDp.
	27,5	42,0	26,2	45,0	29,3

Naviculaire	DDt.	DDp.
	44,0	37,5

PAGNY-SUR-MOSELLE "En Navut"

CERF NEOLITHIQUE FINAL

Tibia	DDt.	DDp.
	43,5	34,0

Naviculaire	DDt.	DDp.
	37,5	35,0

Phalange I	Lt.	PDt.
	52,0	17,0

Calcaneum	Lt.
	104,3

Phalange II	Lt.	PDt.
	35,5	17,0

WETTOLSHEIM "Ricoh"

Scapula	ADt.	ADp.	CDt.	CDp.
Ra	25,8	19,6	17,5	9,2
Ra	28,4	22,2	19,5	12,4

Humérus	DDt.	DDp.
Ra	28,1	25,8

Radius	PDt.	PDp.	DiaDt.
Ra	26,3	16,3	15,3

COLMAR "Rue Balzac"

Radius	PDt.	PDp.
	27,0	16,0

WETTOLSHEIM "Ricoh"

Fémur	PDt.	PDp.
	42,5	20,2

Métatarse	DDt.	DDp.	PoDt.	PoDp.
	24,0	15,0	16,7	25,1

CHEVREUIL RUBANE

Calcaneum	Lt.
Rr	65,0

Phalange I	Lt.	PDt.
Ra	55,7	19,7

Phalange II	Lt.	PDt.
Ra	41,7	21,6

CHEVREUIL GROSSGARTACH

CHEVREUIL GROSSGARTACH

Phalange I	Lt.	PDt.
	23,0	96,0
	23,4	10,1

Phalange II	Lt.	PDt.
	30,3	7,8