

Supplemental Online Information For:

Morphological variation in *Homo erectus* and the origins of
developmental plasticity

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Table 1. Arctic Human Sample. Sexual dimorphism values (male/female) and means by sex for Alaskan samples. Mean values that do not significantly differ between the living populations and the Point Hope sample (at the 0.05 level with Benjamini-Yekutieli adjustment for multiple comparisons) are indicated by ‘ns’. Within sample differences between male and female means indicated by ***bold and italicized*** values. Kotzebue incorporates individuals from Point Hope. Wainwright is within the Barrow collecting area and both are North of Point Hope. Nunatagmiut is inland from Barrow. Mackenzie, Coronation Gulf and Victoria Island are far east coastal areas. Stature in cm, all other measurements in mm.

	Point Hope	Kotzebue**	Wainwright	Barrow	Nunatagamiut	MacKenzie	Coronation	Victoria Is.
Date	1200-1700 AD	1906-1912	1968/69	1906-1912	1906-1912	1906-1912	1906-1912	1906-1912
Resource Base	Precontact traditional coastal high-protein, low carbohydrate	Postcontact modified traditional coastal more carbohydrate	Town resident, constant higher carbohydrate lower protein	Postcontact modified traditional coastal more carbohydrate	Postcontact modified traditional inland hunter	Postcontact modified traditional coastal more carbohydrate	Postcontact modified traditional coastal more carbohydrate	Postcontact modified traditional coastal more carbohydrate
Stature								
Sex Dimorphism	NA	NA	1.067	1.071	1.091	1.087	NA	NA
Male mean			<i>166.3</i>	<i>164.6</i>	<i>169.1</i>	<i>169.0</i>		
Female mean			<i>155.8</i>	<i>153.7</i>	<i>155.1</i>	<i>155.5</i>		
Biiliac Breadth								
Sex Dimorphism	1.023	NA	1.005	NA	NA	NA	NA	NA
Male mean	273.2		296.7					
Female mean	266.9		295.2					
Tibial Length								
Sex Dimorphism	1.103	NA	1.062	NA	NA	NA	NA	NA
Male mean	<i>359.1</i>		<i>431.9</i>					
Female mean	<i>325.4</i>		<i>406.6</i>					
Total Face ht (N-Mn)								
Sex Dimorphism	1.09	1.07	1.059	1.09	1.055	1.070	1.049	1.029
Male mean	<i>123.8</i>	<i>127.9_{ns}</i>	<i>129.2</i>	<i>129.6</i>	<i>127.1_{ns}</i>	<i>125.6_{ns}</i>	<i>127.7_{ns}</i>	<i>125.2_{ns}</i>
Female mean	<i>113.4</i>	<i>119.5_{ns}</i>	<i>121.9</i>	<i>119.2</i>	<i>120.4_{ns}</i>	<i>117.1_{ns}</i>	<i>121.7</i>	<i>121.7</i>
Upper face ht (N-Pr)								

Sex Dimorphism	1.11	NA	1.045	NA	NA	NA	NA	NA
Male mean	73.3		76.9 <i>ns</i>					
Female mean	66.0		73.6					
Head length (GOL)								
Sex Dimorphism	1.044	1.040	1.023	1.041	1.039	1.05	1.037	1.040
Male mean	186.5	192.5	190.1	192.4	190.0 ns	196.3	195.7 s	194.3
Female mean	178.6	185	185.8	184.88	182.7	186.9	188.7	186.7
Head Breadth (Eu-Eu)								
Sex Dimorphism	1.063	1.064	1.033	1.045	1.040	1.041	1.050	1.044
Male mean	137.6*	151.6	154.6	151.1	154.5	146.7	151.1	151.7
Female mean	129.5*	142.5 ns	149.6 ns	144.5 ns	148.5 ns	140.9	143.9 ns	145.4 ns
Bizygomatic Br (Zy-zy)								
Sex Dimorphism	NA	1.039	1.056	1.054	1.043	1.043	1.087	1.051
Male mean		148.4	151.4	145.7	147.1	144.7	147.1	147.8
Female mean		142.9	143.3	138.2	140.9	138.7	138.3	140.6
Bigonial Br								
Sex Dimorphism	1.07	NA	1.07	NA	NA	NA	NA	NA
Male mean	111.4*		116.1 ns					
Female mean	104.6*		108.4 ns					

*Lack of significance likely due to combination of small sample size and multiple comparison adjustment using B-Y.

**Kotzebue sample is listed but not discussed due to relatively small sample sizes compared to the other populations.

Table 2. Arctic Human Significant Differences by Sex Across Groups. Site name followed by number of variables in parenthesis. Variable abbreviations are: BiB = Biiliac breadth; Bizyg = Bizygomatic; HB = Head breadth; HL = Head length; Stature; TFace = Total Facial Height.

	Males	Females
Wainwright vs		
Barrow (5)	HB, Bizyg	TFace, HB, Bizyg
Nunatagamiut (5)	Bizyg	TFace
Mackenzie (5)	HL, HB, Bizyg	TFace, HB, Bizyg
Coronation Gulf (4)	HB, Bizyg	TFace, HB, Bizyg
Victoria Island (4)	-	HB
Barrow vs		
Nunatagamiut (5)	HB	HB
Mackenzie (4)	HL, HB	HB
Coronation Gulf (4)	HL	HL
Victoria Island (4)	-	-
Nunatagmiut vs		
Mackenzie (4)	HL, HB	HL, HB
Coronation Gulf (4)	HL, HB	HL, HB
Victoria Island (4)	HL	-
Mackenzie vs		
Coronation Gulf (4)	HB	HB
Victoria Island (4)	HB	HB
Coronation vs Victoria (4)	-	-
Point Hope vs		
Wainwright (7)	BiB, TibL, HB, HL, TFace	BIB, TibL, UFace, TFace, HL
Barrow (3)	HL, HB	HL
Nunatagamiut (3)	HB	HL
Mackenzie (3)	HL, HB	HL, HB
Coronation Gulf (3)	HL, HB	TFace, HL
Victoria Island (3)	HL, HB	TFace, HL

Table 3. Sexual dimorphism values (male/female) and means by sex for non-Alaskan human samples. Within sample differences between male and female means that are significant at the 0.05 level (with Benjamini-Yekutieli adjustment for multiple comparisons) are indicated by ***bold and italicized*** values. Stature in cm, all other measurements in mm.

	Boas Central Italian, Foreign-born	Boas Central Italian, U.S.-born	Boas Scotch, Foreign-born	Boas Scotch, U.S.-born	Hamman-Todd White Skeletal	Hamman-Todd White Somatic	Erie County Poorhouse
Date	U.S. Immigrants early 1900s	U.S. Immigrants early 1900s	U.S. Immigrants early 1900s	U.S. Immigrants early 1900s	U.S. early 1900s	U.S. early 1900s	NY, U.S. 1851-1926
Resource Base							
Stature							
Sex Dimorphism	1.06	1.067	1.08	1.03	1.06	1.08	NA
Male mean	<i>164.4</i>	<i>166.2</i>	<i>172.1</i>	171	171.2	<i>171.1</i>	
Female mean	<i>154.5</i>	<i>155.9</i>	<i>159.2</i>	165.5	162	<i>159</i>	
Head Length (GOL)							
Sex Dimorphism	1.044	1.049	1.049	1.063	1.03	NA	1.04
Male mean	<i>189.2</i>	<i>187.7</i>	<i>196.9</i>	<i>196.2</i>	179.8		185.6
Female mean	<i>181.2</i>	<i>178.8</i>	<i>187.6</i>	<i>184.5</i>	175.3		117.4
Head Breadth (Eu-Eu)							
Sex Dimorphism	1.044	1.039	1.052	1.046	NA	NA	NA
Male mean	<i>152.8</i>	<i>153.3</i>	<i>154.2</i>	<i>152.9</i>			
Female mean	<i>146.3</i>	<i>147.5</i>	<i>146.6</i>	<i>146.1</i>			
Bizygomatic Br (Zy-zy)							
Sex Dimorphism	1.058	1.055	1.057	1.050	1.07	NA	1.05
Male mean	<i>140.4</i>	<i>137.6</i>	<i>139.5</i>	<i>137</i>	<i>132</i>		131*
Female mean	<i>132.7</i>	<i>130.4</i>	<i>132</i>	<i>130.5</i>	<i>121.1</i>		125.2*

*Lack of significance likely due to combination of small sample size and multiple comparison adjustment using B-Y.

Table 4. Human Data Significant Differences by Sex Across Groups. For the Boas groups, four variables (Stature, Head Length, Head Breadth, Bizygomatic Breadth) were compared for each living population and seven (Biiliac Breadth, Femoral Head Diameter, Sacral Vreadth, Bizygomatic Breadth, Head Length, Nasion-Prosthion Height, Nasion-Basion Height).

	Males	Females
Boas Immigrant Studies		
Central Italian Foreign Born vs U.S.	None	None
Scotch Foreign Born vs U.S.	None	Stature
20th Century Skeletal		
Hamman-Todd White vs Erie County, Poorhouse	None	None

Table 5. Sexual dimorphism values (male/female) and means for early 20th Century Skeletal Samples.

Within sample differences between male and female means that are significant at the 0.05 level

(with Benjamini-Yekutieli adjustment for multiple comparisons) are indicated by ***bold and italicized*** values.

Weight and Stature for the Hamann-Todd Skeletal Sample are for those individuals whose skeletons we measured. The ‘Somatic’

Column is somatic data for the entire collection. Weight in lbs, Stature in cm, all other measurements in mm

	Hamman-Todd White Skeletal	Hamman-Todd White Somatic	Erie County Poorhouse
Date	U.S. early 1900s	U.S. early 1900s	NY, U.S. 1851-1926
Weight			
Sex Dimorphism	1.18	1.14	NA
Male mean	130.4	<i>122.9</i>	
Female mean	110.1	<i>107.9</i>	
Stature			
Sex Dimorphism	1.06	1.08	NA
Male mean	171.2	<i>171.1</i>	
Female mean	162	<i>159</i>	
Biiliac Breadth			
Sex Dimorphism	1.01	0.99	0.98
Male mean	265.6	292.6	273.2
Female mean	262.1	292.8	278
Femoral Length			
Sex Dimorphism	1.08	NA	1.08
Male mean	<i>449.6</i>		<i>456.5</i>
Female mean	<i>417.3</i>		<i>423.1</i>
Thigh Length			
Sex Dimorphism	NA	1.08	NA
Male mean		<i>488.1</i>	
Female mean		<i>453.3</i>	
Femoral Head SI			
Sex Dimorphism	1.12	NA	1.13
Male mean	<i>48</i>		<i>48.4</i>

Female mean	42.7		42.7
Tibia Length			
Sex Dimorphism	NA	NA	1.07
Male mean			373.1
Female mean			347.2
Humerus Length			
Sex Dimorphism	NA	NA	1.08
Male mean			330.9
Female mean			305.8
Humerus Head SI			
Sex Dimorphism	NA	NA	1.13
Male mean			46.7
Female mean			41.3
S1 AP			
Sex Dimorphism	1.12	NA	NA
Male mean	32.8		
Female mean	29.4		
S1 ML			
Sex Dimorphism	1.08	NA	1.10
Male mean	50.9		52.2
Female mean	47.6		47.3
Gonial Angle			
Sex Dimorphism	0.98	NA	NA
Male mean	124.2		
Female mean	126.7		
Bigonial Breadth			
Sex Dimorphism	1.07	NA	NA
Male mean	99.4		
Female mean	93.1		
Biorbital Breadth			
Sex Dimorphism	1.041	NA	NA
Male mean	98.5		
Female mean	94.5		

Bizygomatic Br (Zy-zy)			
Sex Dimorphism	1.07	NA	1.05
Male mean	132		131*
Female mean	123.1		125.2*
Biauricular Br			
Sex Dimorphism	NA	NA	1.058
Male mean			123.5
Female mean			116.7
Head Length (GOL)			
Sex Dimorphism	1.03	NA	1.04
Male mean	178.8		185.3
Female mean	175.3		177.4
Nasion-Prosthion height			
Sex Dimorphism	1.11	NA	1.10
Male mean	73.4		70.9*
Female mean	66.4		64.7*
Nasion-Basion Height			
Sex Dimorphism	1.06	NA	1.08
Male mean	100.8		100.6
Female mean	95.6		93
Mastoid Height			
Sex Dimorphism	NA	NA	1.09
Male mean			30.3
Female mean			27.7

*Lack of significance likely due to combination of small sample size and multiple comparison adjustment using B-Y.

Table 6. Kenyan Vervet Sample, *Chlorocebus aethiops pygerythrus*. Sexual dimorphism values (male/female) and means by sex.
Weight in kg, all other measurements in cm.

	Naivasha	Mosiro	Kimana	Samburu	Skeletal Wild	Skeletal Captive
Resource Base	Cultivated crops abundant	No cultivated crops	Some cultivated crops available	No cultivated crops		
Weight						
Sex Dimorphism	1.48	1.5	1.34	1.58	1.14	
Male mean	4.9	4.2	4.3	4.1	4.1	N/A
Female mean	3.3	2.8	3.2	2.6	3.6	
Body Length						
Sex Dimorphism	1.13	1.17	1.10	1.15		
Male mean	43.5	42	42.6	39.8	N/A	N/A
Female mean	38.6	36	38.7	34.5		
Chest Girth						
Sex Dimorphism	1.15	1.16	1.12	1.18		
Male mean	35.7	33.9	32.7	32.7	N/A	N/A
Female mean	31.1	29.1	29.1	27.8		
Upper Arm Length						
Sex Dimorphism	1.11	1.2	1.14	1.18	1.12	1.14
Male mean	14.5	15	13.8	14.6	12.8	12.8
Female mean	13.1	12.5	12.1	12.4	11.4	11.2
Leg (Thigh) Length						
Sex Dimorphism	1.15	1.17	1.16	1.21	1.11	1.15
Male mean	16.9	16.4	15.7	16.5	14.9	15.5
Female mean	14.7	14	13.5	13.6	13.4	13.5
Tail Length						
Sex Dimorphism	1.17	1.2	1.07	1.21		

Male mean	61.8	64.8	58	67	N/A	N/A
Female mean	52.6	54.1	54.2	55.2		
Head						
Sex Dimorphism	1.10	1.07	1.07	1.13	1.10	1.08
Male mean	10.0	9.4	9.1	11.1	7.6	7.9
Female mean	9.1	8.8	8.5	9.8	6.9	7.3
Hand Length						
Sex Dimorphism	1.19	1.21	1.15	1.21		
Male mean	10.0	10.1	9.5	9.4	N/A	N/A
Female mean	8.4	8.4	8.3	7.8		
Foot Length						
Sex Dimorphism	1.14	1.18	1.14	1.20		
Male mean	14.1	14.9	13.7	14.1	N/A	N/A
Female mean	12.4	12.6	12.0	11.8		
Lower Arm Length						
Sex Dimorphism	1.12	1.15	1.15	1.18		
Male mean	15.0	15.0	14.6	14.7	N/A	N/A
Female mean	13.4	13.0	12.7	12.5		
Lower Leg Length						
Sex Dimorphism	1.15	1.19	1.16	1.20	1.14	1.17
Male mean	17.2	17.0	16.4	16.4	14.7	15.1
Female mean	15.0	14.3	14.1	13.6	12.9	12.9

Table 7. Kenyan Vervets Significant Differences by Sex Across Groups arranged from most to least differences. Twelve variables were measured for each population. Variable abbreviations are: Wt = weight, BL = Body Length, BB = Body Breadth, CG = Chest girth, Hand = hand length, UA = Upper Arm length, LA = forearm length, Head = circumference, UL = Thigh length, LL = Lower leg length, Foot and Tail lengths. Data source as per text. Bold abbreviations are those in which significant differences in CVs between groups in the mixed-sex sample would have suggested the difference in group means based on sex-matched samples.

	Males	Females	Mixed-Sex
Naivasha vs Samburu	WT, CG, BL, Tail	WT, BL, CG, Hand, LA, UL, LL, Foot	BL, CG , Head, Tail
Samburu vs Kimana	Head	WT, BL, BB, Head	WT, BL, BB, Head
Naivasha vs Kimana	CG	UA, LA, UL, LL	-
Naivasha vs Mosiro	-	WT	-
Mosiro vs Kimana	UA, Foot	-	-
Mosiro vs Samburu	Head	-	Head

Table 8. Kenyan Vervet CV by Population. Mixed sex CVs are reliably higher than single sex CVs.

	Samburu			Kimana			Naivasha			Mosiro		
	Mixed Sex	Male	Female	Mixed Sex	Male	Female	Mixed Sex	Male	Female	Mixed Sex	Male	Female
Weight	26.16	13.58	10.49	20.67	13.68	12.96	22.80	10.83	13.58	25.02	18.74	11.25
BL	8.84	5.75	4.30	7.73	6.99	4.83	8.95	7.34	7.14	9.36	5.46	6.21
BB	8.41	4.74	3.77	7.33	5.36	3.57	9.90	5.73	7.63	8.88	3.66	7.05
CG	10.43	7.29	5.50	9.03	6.81	7.18	8.99	5.58	6.38	10.13	9.27	6.16
Hand	12.02	5.65	8.76	9.71	6.00	7.54	10.11	5.24	6.73	11.71	8.96	7.32
UA	12.51	7.31	11.20	9.11	6.82	5.93	8.17	6.78	6.62	9.45	0.00	4.77
LA	10.95	8.83	5.24	8.61	5.59	4.16	6.84	4.95	4.72	8.41	5.78	4.80
Head	19.29	18.50	18.37	7.89	8.08	5.68	12.06	10.00	11.86	7.23	5.43	7.26
UL	11.52	6.43	7.25	8.94	5.14	4.51	10.96	10.05	8.74	8.41	3.11	4.12
LL	11.32	6.30	6.60	9.01	4.86	5.23	9.29	6.28	7.16	9.28	2.55	4.72
Foot	12.09	6.53	9.15	7.75	4.18	3.86	8.77	10.26	4.47	9.33	1.79	5.86
Tail	12.19	6.09	8.43	16.79	21.31	5.98	10.73	5.53	8.67	11.48	9.12	7.37

Table 9a. Japanese Macaque Sample. Sexual dimorphism values (male/female) and means by sex. Extant troops from East to West starting with Nikko. Latitude provided. Data sources as per text. Weight in kg, all other measurements in cm.

	Chiba	East Honshu					Chu goku	
	T-1 Skeletal	Nikko	Shiga	Hagachizaki	Takahama	Arashiyama	Wakasa	Ngatoro
Latitude		36.56	36.73	34.69	35.49	35	35.33	34.81
Jan Temp/August Temp C		-1.4/22.2	-6.9/19.8	5.6/26.3	4/26.6	2.8/26.8	2.3/24.7	3.3/27.1
Forest type		Deciduous	Deciduous		Evergreen	Evergreen	Evergreen	
Extreme rainfall (dry mos <60mm/wet mos>100mm x100)		More wet mos	More dry mos Deep Snow	No precipitation extremes	No precipitation extremes	More wet mos	No precip extremes	More wet mos
Weight								
Sex Dimorphism	NA	1.31	1.20	1.29	1.40	1.39	1.33	1.58
Male mean		12.09	14.17	11.88	11.95	12.62	11.73	14.93
Female mean		9.24	11.86	9.18	8.51	9.1	8.8	9.45
Anterior Trunk Length								
Sex Dimorphism	NA	1.09	1.06	1.07	1.09	1.11	1.11	1.08
Male mean		403.3	413.6	401.1	404.2	411.2	397.6	399.1
Female mean		371.4	391.2	374.6	369.9	371.8	358.5	371
Tail Length								
Sex Dimorphism	NA	1.19	1.13	1.13	1.28	1.19	1.05	1.17
Male mean		87.6	90	81.2	108.1	97	90.7	99.2
Female mean		73.9	79.3	71.8	84.2	81.7	86	84.9
Biacromial Breadth								
Sex Dimorphism	NA	1.16	1.09	1.13	1.21	1.09	1.16	1.13
Male mean		141.4	138.2	141.6	150.5	142.9	148.2	142.3
Female mean		122.3	126.9	125	123.9	131	127.9	126
Biiliac Breadth								
Sex Dimorphism	NA	1.03	1.07	1.06	1.09	1.09	1.10	1.08
Male mean		112.1	126.8	114.8	109.4	114.3	111.2	121.1
Female mean		108.7	118.1	108	100.6	105.3	100.8	111.7
Thorax Circumference								

Sex Dimorphism	NA	1.15	1.05	1.10	1.08	1.09	1.09	1.14
Male mean		510.4	503.2	471.6	467.1	475.3	458	508.8
Female mean		443	480.5	429.5	434.2	434.4	418.7	445.8
Upper Arm Length/ Humerus								
Sex Dimorphism	1.13	1.13	1.08	1.11	1.12	1.14	1.11	1.13
Male mean	156.3	171.9	169.2	172.9	170	175.3	169	169.7
Female mean	138.3	152.2	157.2	155.3	151.7	154.3	151.6	149.8
Fore Arm Length								
Sex Dimorphism		1.12	1.08	1.11	1.17	1.10	1.13	1.15
Male mean		177.6	173.9	183.8	181.4	175.1	172.8	178.1
Female mean		158.7	161.2	165.8	155.7	159.2	152.4	155.1
Hand Length								
Sex Dimorphism		1.11		1.13	1.12	1.12	1.12	1.16
Male mean		106.1	--	117.4	116.6	117.4	113.8	120.6
Female mean		95.3	105.8	104.1	104.5	105	102	104.1
Thigh Length Femur L								
Sex Dimorphism	1.10	1.15	1.07	1.13	1.14	1.16	1.16	1.17
Male mean	173.5	198.4	187.7	203.7	197.4	197.9	192	203
Female mean	157.7	172.1	176.1	179.9	173.7	170.2	165	173.2
Lower Leg Length Tibia L								
Sex Dimorphism	1.11	1.13	1.11	1.11	1.15	1.13	1.05	1.18
Male mean	169.1	178.7	180.7	186.6	182.7	186.8	166.6	186.6
Female mean	152.1	158.8	163.3	168.8	159.5	165.9	158.4	158.1
Foot Length								
Sex Dimorphism		1.12	1.08	1.11	1.09	1.12	1.12	1.14
Male mean		167	178.4	181.6	173	177.5	172.6	181.1
Female mean		148.5	164.8	163.6	158.1	158.7	153.8	158.6
Foot Breadth								
Sex Dimorphism		1.09	1.12	1.13	1.02	1.14	1.17	1.16
Male mean		41.1	46.3	44.4	40.6	44.1	43.6	42.3
Female mean		37.8	41.3	39.4	39.7	38.6	37.4	36.5

	Chiba	East Honshu					Chu goku	
	T-1 Skeletal	Nikko	Shiga	Hagachizaki	Takahama	Arashiyama	Wakasa	Ngatoro
Latitude		36.56	36.73	34.69	35.49	35	35.33	34.81
Jan Temp/August Temp C		-1.4/22.2	-6.9/19.8	5.6/26.3	4/26.6	2.8/26.8	2.3/24.7	3.3/27.1
Forest type		Deciduous	Deciduous			Evergreen		
Extreme rainfall (dry mos <60mm/wet mos>100mm x100)		More wet mos	More dry mos Deep Snow	No precipitation extremes	No precipitation extremes	More wet mos	No precip extremes	More wet mos
Head Length								
Sex Dimorphism	--	1.05	1.04	1.06	1.06	1.08	1.11	1.11
Male mean	--	97.7	103.8	102.8	105	105.7	101.6	107.2
Female mean	86.4	92.9	99.4	96.8	98.6	98.3	91.9	96.9
Head Breadth								
Sex Dimorphism		1.07	1.07	1.12	1.07	1.13	1.15	1.17
Male mean		81.7	83.8	87	81.8	87.4	88.4	88.8
Female mean		76.3	78.1	77.5	76.6	77.6	77.2	75.7
Bizygomatic Breadth								
Sex Dimorphism		1.11	1.11	1.13	1.10	1.14	1.11	1.17
Male mean		98.3	102.3	99.9	98.9	104.4	98.2	102.1
Female mean		88.3	92.4	88.7	90.2	91.5	88.1	87.5

Table 9b. Japanese Macaque Sample, Continued. Weight in kg, all other measurements in cm.

	Island of Setouchi Sea		Kyus hu		Captive
	Awajishima	Shodoshimo	Takasakiyama	Koshima	<i>M.f. yakui</i>
Latitude	34.24	34.5	33.17	31.45	30.56
Temperature - Jan/August in C	4.1/26.5	5/27.2	4.9/26.1	6.7/26.8	11.2/26.7
Forest type	Evergreen	Deciduous	Evergreen	Evergreen	Evergreen
Extreme rainfall (dry mos <60mm/wet mos>100mm x100)	More wet mos	More wet mos	More wet mos	More wet mos	Provisioned No precip extremes
Weight					
Sex Dimorphism	1.51	1.21	1.40	1.28	1.27
Male mean	10.78	10.74	10.85	8.05	10.17
Female mean	7.14	8.91	7.77	6.31	7.98
Anterior Trunk Length					
Sex Dimorphism	1.10	1.11	1.08	1.06	1.09
Male mean	387.4	392.8	392.4	366	367.8
Female mean	353.3	355	363.7	346.2	338.7
Tail Length					
Sex Dimorphism	1.14	1.17	1.09	1.10	1.13
Male mean	88	102.1	94	80.4	101.4
Female mean	77.3	87.2	86.5	73.3	90
Biacromial Breadth					
Sex Dimorphism	1.16	1.12	1.12	1.05	1.18
Male mean	152.3	143.9	134.8	116.8	129.4
Female mean	130.9	128	119.9	110.9	110.1
Biiliac Breadth					
Sex Dimorphism	1.09	1.18	1.08	1.04	1.09
Male mean	109	116.7	107.3	100.5	112.2
Female mean	100.3	99.1	99.4	96.3	102.9
Thorax Circumference					
Sex Dimorphism	1.13	1.09	1.10	1.08	1.08

Male mean	448.6	446.9	442.1	397	423.1
Female mean	397.8	408.4	401.2	368.1	393.3
Upper Arm Length					
Sex Dimorphism	1.13	1.14	1.11	1.07	1.19
Male mean	161	164.5	164.5	156.6	157.5
Female mean	143.1	144.3	148.7	146.3	132.5
Fore Arm Length					
Sex Dimorphism	1.13	1.17	1.09	1.08	1.18
Male mean	168.5	177.4	171.3	164.5	168.2
Female mean	149.6	151.5	156.6	151.8	142.1
Hand Length					
Sex Dimorphism	1.15	1.23	1.11	1.06	1.11
Male mean	111.3	109.1	111.2	105.6	104.3
Female mean	96.6	88.5	100.6	99.4	93.7
Thigh Length					
Sex Dimorphism	1.15	1.18	1.11	1.09	1.15
Male mean	189.3	190	190.8	178.8	168.4
Female mean	164.3	161.2	171.7	164.6	146.3
Lower Leg Length					
Sex Dimorphism	1.18	1.19	1.12	1.08	1.16
Male mean	169.4	175.4	174.4	164.6	162.6
Female mean	143.6	147.5	156.4	151.9	139.6
Foot Length					
Sex Dimorphism	1.14	1.15	1.10	1.08	1.14
Male mean	168.6	159.6	170.3	164.1	155.7
Female mean	147.6	139	155.1	152.6	137
Foot Breadth					
Sex Dimorphism	1.07	1.17	1.09	1.06	1.13
Male mean	41.6	44	42.9	39.7	38.7
Female mean	38.9	37.7	39.3	37.6	34.4

Table 9b. Japanese Macaque Sample, Continued.

	Island of Setouchi Sea		Kyus hu		Captive
	Awajishima	Shodoshimo	Takasakiyama	Koshima	<i>M.f. yakui</i>
Latitude	34.24	34.5	33.17	31.45	30.56
Forest type	Evergreen	Deciduous	Evergreen	Evergreen	Evergreen
Temperature - Jan/August in C	4.1/26.5	5/27.2	4.9/26.1	6.7/26.8	11.2/26.7
Extreme rainfall (dry mos <60mm/wet mos>100mm x100)	More wet mos	More wet mos	More wet mos	More wet mos	Provisioned No precip extremes
Head Length					
Sex Dimorphism	1.48	1.06	1.05	1.03	1.08
Male mean	103.4	94.6	99.4	92.3	96.3
Female mean	69.9	89.6	94.3	89.2	89.2
Head Breadth					
Sex Dimorphism	1.11	1.09	1.10	1.04	1.07
Male mean	84.5	82.1	83.5	74.6	76.5
Female mean	76.1	75.2	76.1	71.4	71.3
Bizygomatic Breadth					
Sex Dimorphism	1.13	1.13	1.10	1.06	1.16
Male mean	96.8	97.2	94	88.1	97.8
Female mean	85.6	85.8	85.1	83	84.6

Table 10. Japanese Macaque Significant Differences by Sex Across Groups. Twelve variables were measured for each living population. Variable abbreviations are: Wt = weight, ATL = Anterior Trunk Lengh, Tail = Tail Length, Biac = Biacromial L, BiL = Biiliac Br, Tho = Thorax Circumference, UA = Upper Arm length, LA = forearm length, Hand = hand length, UL = Thigh length, LL = Lower leg length, FtL = Foot Length, FtBr = Foot Breadth, HL = Head Length, HB = Head Breadth Bizyg = Bizygomatic breadth.

	Males	Females
Nikko vs		
Shiga	Wt, BiL, Hand, FtBr, HL	Wt, ATL, Bil, Tho, Hand, FtBr, FtL, HL, Bizyg
Hagachizaki	Hand, FtL, FtBr, HL, HB	LA, Hand, UL, LL, FtL, HL
Takahama	Hand	Hand, FtL, HL
Arashiyama	Hand, HL, Bizyg	Hand, FtL, HL
Wakasa	LL	None
Nagatoro	Wt, Bil, Hand, FtL, HL, HB	Tail, Hand, FtL, HL
Awajishima	HL	Wt, ATL, BiL, LA, LL HL
Shodoshimo	FtBr	Tail, BiL, Tho, UA, UL, LL, FtL, HL
Takasakiyama	None	Wt, Tail, BiL, Tho, Hand, FtL, Bizyg
Koshima	Wt, ATL, Biac, BiL, Tho, UA, LA, UL, LL, HL, HB, Bizyg	Wt, ATL, BiL, Tho, LA, Hand, UL, HL, HB, Bizyg
M.f. yakui	Wt, ATL, Tho, UA, UL, LL, HB	Wt, ATL, Tail, Tho, UA, LA, UL, LL, FtL, FtB, HL, HB, Bizyg
Shiga vs		
Hagachizaki	Wt, BiL, Tho, LA, Han, UL	Wt, ATL, Tail, BiL, Tho, FtBr, HL, Bizyg
Takahama	BiL, Hand, FtBr	Wt, BiL, Tho, UA, FtL, FtBr, Bizyg
Arashiyama	BiL	Wt, ATL, BiL, Tho, FtBr
Wakasa	Wt, BiL, Hand, FtB	Wt, ATL, BiL, Tho, FtL, FtBr
Nagatoro	Tail, Hand, UL, FtBr, HB	Wt, ATL, BiL, Tho, UA, LA, FtL, FtBr, HL, HB, Bizyg
Awajishima	Wt, ATL, Biac, BiL, Tho, UA, Hand, LL, FtL, FtBr, Bizyg	Wt, ATL, BiL, Tho, UA, LA, Hand, UL, LL, FtL, FtB, HL, Bizyg
Shodoshimo	Wt, ATL, Tail, BiL, Tho, Hand, FtL,	Wt, ATL, Tail, BiL, Tho, UA, Hand, UL,

	HL	LL, FtL, FtB, HL, HB, Bizyg
Takasakiyama	Wt, ATL, BiL, Tho, Hand, FtL, FtBr, HL, Bizyg	Wt, ATL, Tail, Biac, BiL, Tho, UA, Hand, LL, FtL, FtB, HL, HB, Bizyg
Koshima	Wt, ATL, Tail, Bia, BiL, Tho, UA, LA, Hand, LL, FtL, FtBr, HL, HB, Bizyg	Wt, ATL, Tail, Biac, BiL, Tho, UA, LA, Hand, UL, LL, FtL, FtB, HL, HB, Bizyg
M.f. yakui	Wt, ATL, Tail, BiL, Tho, UA, Hand, UL, LL, FtL, FtB, HL, HB, Bizyg	Wt, ATL, Tail, Biac, BiL, Tho, UA, LA, Hand, UL, LL, FtL, FtB, HL, HB, Bizyg
Hagachizaki vs		
Takahama	Tail, FtL, FtBr	BiL, LA, FtBr
Arashiyama	Tail	Tail, LA, UL, Bizyg
Wakasa	LA, LL	ATL, LA, FtL
Nagatoro	Wt, Tail, Tho, HL	Tail, UA, LA, UL, LL, FtL, FtBr
Awajishima	Biac, BiL, Hand, UL, LL, FtL, FtBr	Wt, ATL, BiL, UA, LA, Hand, UL, LL, FtL, FtB, HL, Bizyg
Shodoshimo	Hand, UL, LL, FtL, HL, HB	ATL, Tail, BiL, UA, LA, Hand, UL, LL, FtL, HL, Bizyg
Takasakiyama	Tail, BiL, Tho, UA, LA, UL, LL, FtL, Bizyg	Wt, ATL, Tail, BiL, Tho, UA, LA, UL, LL, FtL, FtB, HL, Bizyg
Koshima	Wt, ATL, Biac, BiL, Tho, UA, LA, Hand, UL, LL, FtL, FtB, HL, HB, Bizyg	Wt, ATL, Biac, BiL, Tho, UA, LA, UL, LL, FtL, FtB, HL, HB, Bizyg
M.f. yakui	Wt, ATL, Tail, Biac, Tho, UA, LA, Hand, UL, LL, FtL, FtB, HL, HB,	Wt, ATL, Tail, Biac, BiL, Tho, UA, LA, Hand, UL, LL, FtL, FtB, HL, HB, Bizyg
Takahama vs		
Arashiyama	FtBr	None
Wakasa	LL	None
Nagatoro	BiL	BiL, Bizyg
Awajishima	Tail, LA, Hand, LL	Hand, UL, LL, FtL, HL, Bizyg
Shodoshimo	Hand, FtL, FtBr, HL	UA, Hand, UL, LL, FtL, HL, Bizyg
Takasakiyama	None	Tho, FtBr, HL, Bizyg
Koshima	Wt, ATL, Tail, Biac, Tho, UA, LA, Hand, UL, LL, FtL, HL, Bizyg	Wt, ATL, Biac, Tho, UL, HL, HB, Bizyg
M.f. yakui	ATL, Biac, UA, LA, Hand, UL, LL,	ATL, Biac, Tho, UA, LA, Hand, UL, LL,

	FtL	FtL, FtB, HL, HB, Bizyg
Arashiyama vs		
Wakasa	LL	Wt
Nagatoro	None	BiL, LL, FtBr, Bizyg
Awajishima	UA, LL, FtL, FtB, Bizyg	Wt, ATL, UA, LA, Hand, LL, FtL, FtBr, HL, Bizyg
Shodoshimo	UA, Hand, LL, FtL, HL, Bizyg	Tho, UA, Hand, LL, FtL, HL, Bizyg
Takasakiyama	UA, LL, Bizyg	Wt, Biac, BiL, Tho, UA, Hand, LL, HL, Bizyg
Koshima	Wt, ATL, Tail, Biac, BiL, Tho, UA, Hand, UL, LL, FtL, FtB, HL, HB, Bizyg	Wt, ATL, Tail, Biac, BiL, Tho, UA, LA, Hand, LL, FtL, HL, HB, Bizyg
M.f. yakui	Wt, ATL, Biac, Tho, UA, Hand, UL, LL, FtL, FtB, HL, HB, Bizyg	Wt, ATL, Tail, Biac, Tho, UA, LA, Hand, UL, LL, FtL, FtB, HL, HB, Bizyg
Wakasa vs		
Nagatoro	Wt, LL	BiL
Awajishima	None	HL
Shodoshimo	FtL	Hand, FtL
Takasakiyama	None	Wt, Tho
Koshima	Wt, ATL, Biac, Tho, UA, LA, FtBr, HL, HB	Wt, Tho, HB
M.f. yakui	ATL, Biac, UA, Hand, UL, FtL, FtBr, HB	ATL, Biac, Tho, UA, Hand, LL, FtL, FtBr, HB
Nagatoro vs		
Awajishima	Wt, Tail, BiL, Tho, UA, LA, Hand, UL, LL, FtL, HB, Bizyg	Wt, ATL, Tail, BiL, Hand, UL, FtL, HL
Shodoshimo	Wt, Tho, Hand, UL, LL, FtL, HL, HB	Tho, UA, Hand, UL, LL, FtL, HL
Takasakiyama	Wt, BiL, Tho, UL, LL, FtL, HL, Bizyg	Wt, BiL, Tho, Hand, FtL, FtB, HL, Bizyg
Koshima	Wt, ATL, Tail, Biac, BiL, Tho, UA, LA, Hand, UL, LL, FtL, FtB, HL, HB, Bizyg	Wt, ATL, Tail, Biac, BiL, Tho, Hand, UL, LL, FtL, HL, HB, Bizyg
M.f. yakui	Wt, ATL, Biac, BiL, Tho, UA, LA, Hand, UL, LL, FtL, FtB, HL, HB	ATL, Biac, BiL, Tho, UA, LA, Hand, UL, LL, FtL, FtB, HL, HB, Bizyg

Awajishima vs		
Shodoshimo	Tail, BiL, FtL, FtB, HL	Wt, Tail, Hand, FtL, HL
Takasakiyama	Biac, HL	Tail, LA, UL, FtL, FtB, HL
Koshima	Wt, ATL, Biac, BiL, Tho, Hand, UL, FtBr, HL, HB, Bizyg	Biac, HL, HB
M.f. yakui	ATL, Tail, Biac, Hand, UL, FtL, FtB, HL, HB	ATL, Tail, Biac, UA, UL, FtL, FtB, HL, HB
Shodoshimo vs		
Takasakiyama	BiL, FtL, HL	Wt, UA, Hand, UL, LL< FtL, HL
Koshima	Wt, ATL, Tail, Biac, BiL, Tho, UA, LA, UL, LL, FtB, HB, Bizyg	Wt, Tail, Biac, Tho, Hand, FtL, HB, Bizyg
M.f. yakui	ATL, Biac, UL, LL, FtBr, HB	Biac, UA, UL, LL, FtBr, HB
Takasakiyama vs		
Koshima	ATL, Tail, Biac, BiL, Tho, UA, Hand, UL, LL, FtB, HL, HB, Bizyg	Wt, ATL, Tail, Biac, BiL, Tho, LA, UL, LL, FtB, HL, HB, Bizyg
M.f. yakui	ATL, Hand, UL, LL, FtL, FtBr, HB	ATL, Biac, BiL, UA, LA, Hand, UL, LL, FtL, FtB, HL, HB,
Koshimo vs. M.f. yakui	Wt, Tail, Biac, BiL, Tho, UL, FtL, HL, Bizyg	Wt, Tail, BiL, Tho, UA, LA, Hand, UL, LL, FtL, FtBr

Table 11. Cayo Santiago Macaque Sample, *Macaca mulatta*. Sexual dimorphism values (male/female) and means by sex. Weight in kg, all other measurements in cm.

	Indian Skeletal	Cayo Santiago Skeletal	Cayo Santiago Somatometric	Indian Somatic (Hamada, 2008)
Resource Base				
Weight				
Sex Dimorphism	NA	NA	1.21	1.24
Male mean			11	9.8
Female mean			9.1	7.9
Upper Arm Length/Humerus				
Sex Dimorphism	--	1.13	1.13	1.12
Male mean	--	161.5	167.1	156.9
Female mean	--	142.4	148.3	140
Mixed Sex mean	149.3	151.9	--	--
Thigh Length/Fem L				
Sex Dimorphism	--	1.15	1.16	1.14
Male mean	--	187.3	215	188.8
Female mean	--	162.9	184.5	165.1
Mixed Sex mean	173	175	--	--
Leg Length/Tibia L				
Sex Dimorphism	--	1.14	1.14	1.10
Male mean	--	176.8	175.5	167.1
Female mean	--	155	153.8	151.6
Mixed Sex mean	161.5	165.8	--	--

Table 12. *Homo erectus* paleodemes. Cranial capacity in cc (already noted), Stature in cm, Weight in kg, all other measurements in mm.

	Ngandong, Indonesia	Dmanisi, Georgia	Zhoukoudian, China	Koobi Fora, Kenya	Sangiran, Indonesia	Trinil, Indonesia	Daka, Ethiopia
Time span	Catastrophic	~10,000 years	~120,000 years	~130,000 years	~500,000 years	?	?
Cranial Capacity (cc)							
Mean	1132	641.75	1043	781	907.67	--	--
N	6	4	5	3	6		
Stature							
Mean	--	--	147.5	171	--	--	--
N			2	3			
Glabello Occipital L							
Mean	202.83	168	193.8	172.67	192.5	--	--
N	6	4	5	3	4		
Bizygomatic Br							
Mean	--	137.33	--	144	--	--	--
N		3		2			
Biorbital Br							
Mean	--	98.25	--	109.5	107	--	--
N		4		2	2		
Na-Pr							
Mean	--	74.5	--	--	--	--	--
N		2					
Na-Ba							
Mean	112.5	97	105.5	102	115	--	--
N	2	2	1	2	1		
BA-Br (ht)							
Mean	124.4	99	115	100.67	114	--	--
N	5	3	1	3	1		
Bipor							

	Mean N	--	--	123.65 4	110 3	124 3	--	--
Biraaur								
	Mean N	132.33 6	--	145.5 4	123.67 3	137 5	--	--
Supraorbital thickness								
	Mean N	15.08 5	10.86 4	13.7 5	9.6 5	14.36 5	--	--
Mandible Corpus ht/br								
	Mean N	--	--	--	30.33/19.33 3	35.43/19.45 7	--	--
Symphysis ht/wdth								
		--	--	--	34.75/19.57 2/3	36.68/19.16 5	--	--
Femur length								
	Mean N	--	--	395.5 2	473.33 3	--	435.67 3	--
Subtrochant AP/ML								
	Mean N	--	--	22.95/34.3 2	26.53/33.83 3	--	26.04/32.7 1	26.9/38.2 2
Naledi Weight								
	Mean N	--	--	61.09 2	68.61 3	--	64.95 1	75.46 2
Other Weight								
	Mean N	--	46.95 4	--	57.67 4	--	--	--
	Specimens	Ngandong 1, 6, 7, 10, 11, 12	D2280, 2282/211, 2600/4500, 3442/4111, 3444/3900, 3901, 4167, 4501	ZHK II, III, X, XI, XII, Fem I, Fem IV	KNM-ER 730, 731, 736, 737, 803, 992, 1808, 3733, 3883, 42700	Sangiran 1b, 2, 5, 6, 8, 9, 10, 12, 17, 21, 22, 38, Bukuran, Skull IX	Trinil Fem II, III, IV	BOU-VP-1/75, 19/63

Table 13. *Homo neanderthalensis* and *other Homo*. Cranial capacity in cc (already noted), Stature in cm, Weight in kg, all other measurements in mm.

	Shanidar, Iraq	Krapina, Croatia	El Sidrón, Spain	European	Near Eastern	Atapuerca, Spain	Dinaledi, South Africa
Time Span	~30-60,000 years?	?	Single event?	~40,000 years?	~70,000 years?	Catastrophic?	?
Cranial Capacity (cc)							
Mean	--	--	--	1449.29	1505.5	1245	--
N				7	2	3	
Stature							
Mean	158.14	--	--	162.54	167.47	--	--
N	5			10	3		
Glabello Occipital L							
Mean	--	--	--	201.69	199	190.67	--
N				8	2	3	
Bizygomatic Br							
Mean	150	--	--	--	139.5	--	--
N	3				2		
Biorbital Br							
Mean	117.95	--	--	--	--	110.17	--
N	4					3	
Bigonial							
Mean	--	--	--	109.4	96	--	--
N				5	2		
Na-Pr							
Mean	--	--	--	--	84	76.05	--
N					2	2	
Na-Ba							
Mean	--	--	--	--	--	107.2	--
N						3	
BA-Br (ht)							
Mean	--	--	--	127.63	127	--	--
N				4	2		

Biraucicular							
Mean	--	--	--	131.25	147.5	138.83	--
N				4	2	3	
Mandible Corpus ht							
Mean	--	31.38	33.9	33.5	--	--	--
N		4	3	6			
Mandible Corpus br							
Mean	--	14.75	17.8	15.5	--	--	--
N		4	3	6			
Mandible Length							
Mean	--	--	112	120.25	--	--	--
N			2	4			
Tibia Length							
Mean	340.63	--	--	338	--	356	--
N	4			4		7	
Humerus Length							
Mean	305.67	--	--	312.2	--	334	--
N	3			5		3	
Femur length							
Mean	431	--	--	430.75	--	452.67	--
N	4			6		3	
Subtrochant AP/ML							
Mean	28.07/34.1	--	--	26.52/34.82	26/33.17	--	19.06/26.26
N	3			5	3		8
Fem AP/SI							
Mean	48.35	--	--	51/51.74	--/47	--	--
N	2			5	2		
Naledi Weight							
Mean	71.68	--	--	68.71	66.09	--	44.06
N	3			4	3		8
Specimens	Shan 1, 2, 3, 4, 5, 6	Krapina D, H, I, J, G213, G214, G, 209/212	Sidron mandible 1, 2, 3	Neandertal, La Ferrassie 1, 2, La Quina 5, 9,	Amud1, Tabun C1, Tabun Ea, Kebara 2	At-1, 2, 250, 300, 505, 605, 607, 848, 888,	UW 101-002, 003, 018, 226, 1136, 1391,

				Regourdou, Fond de Foret, St. Cesaire, Spy 1, 2, Gibraltar, Guattari 1		950, 1100/1111/1197 /1198, 1957, Cr. 4, 5, 6, Femur X, XII, XIII, Tibia I, III, IV, VI, XI, XII, Hum II, X, XV	1475, 1482
--	--	--	--	--	--	---	------------

Table 14. Fossil Significant Intraspecific Differences by Sex Across Paleodemes. Numbers and types of variables differ across samples. See summary data tables for specifics. Variable abbreviations are: GOL = Glabella Occipital Length; Cap = Capacity, Biaur = Biauricular breadth.

Intraspecific Comparisons			
<i>H. erectus</i>		Neandertals	
<i>Cranial paleodemes</i>		<i>Cranial paleodemes</i>	
Dmanisi vs Ngandong	GOL, Cap	European vs Near Eastern	None
Zhoukoudian	GOL, Cap	Shanidar	None
Koobi Fora	None	Krapina	None
Sangiran	None	El Sidrón	None
		Sima de los Huesos	None
Ngandong vs. Zhoukoudian	Biaur		
Koobi Fora	Cap	Near Eastern vs. Shanidar	None
Sangiran	None	El Sidrón	None
		Sima de los Huesos	None
Zoukoudian vs Koobi Fora	None		
Sangiran	None	Shanidar vs. El Sidrón	None
		Sima de los Huesos	None
Koobi Fora vs. Sangiran	None		
		El Sidrón vs Sima de los Huesos	None
<i>Postcranial paleodemes</i>		<i>Postcranial paleodemes</i>	
Zhoukoudian vs. Koobi Fora	None	European vs Near Eastern	None
Trinil	None	Shanidar	None
Daka	None	Sima de los Huesos	None
Koobi Fora vs Trinil	None	Near Eastern vs. Shanidar	None
Daka	None	Sima de los Huesos	None
Trinil vs Daka	NA	Shanidar vs. Sima de los Huesos	None

Table 15. Fossil Significant Intraspecific Differences by Sex Across Paleodemes. Numbers and types of variables differ across samples. See summary data tables for specifics. Variable abbreviations are: GOL = Glabella Occipital Length; Cap = Capacity, Biaur = Biauricular breadth, M1Br = Corpus breadth at M1, FebSubAP = Subtrochanteric AP, FemSubML = Subtrochanteric br ML.

Interspecific Comparisons			
<i>Cranial paleodemes</i>		<i>Postcranial paleodemes</i>	
<i>H.e.</i> Dmanisi vs NE European	GOL, BaBr, Cap, Biorb	<i>H.e.</i> Zhoukoudian vs NE European	None
NE Near Eastern	None	NE Near Eastern	None
NE Shanidar	None	NE Shanidar	None
Sima de los Huesos	Cap	Sima de los Huesos	None
		<i>H. naledi</i>	Wt, FemSubAP, FemsubML
<i>H.e.</i> Ngandong vs NE European	Cap		
NE Near Eastern	None	<i>H.e.</i> Koobi Fora vs NE European	None
Sima de los Huesos	None	NE Near Eastern	None
		NE Shanidar	None
<i>H.e.</i> Zhoukoudian vs NE European	Cap	Sima de los Huesos	None
NE Near Eastern	None	<i>H. naledi</i>	FemSubML
Sima de los Huesos	None		
		<i>H.e.</i> Trinil vs NE European	None
<i>H.e.</i> Koobi Fora vs NE European	M1Br, Cap	NE Shanidar	None
NE Near Eastern	None	Sima de los Huesos	None
NE Shanidar	None		
NE Krapina	None	<i>H.e.</i> Daka vs NE European	None
NE El Sidrón	None	NE Near Eastern	None
Sima de los Huesos	None	NE Shanidar	None
		<i>H. naledi</i>	FemSubAP
<i>H.e.</i> Sangiran vs NE European	M1Br, Cap		
NE Near Eastern	None	<i>H. naledi</i> vs NE European	FemSubAPML
NE Shanidar	None	NE Near Eastern	None
NE Krapina	None	NE Shanidar	None
NE El Sidrón	None		
Sima de los Huesos	None		