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Supplementary table 1: Detailed hominin databank used in the study

Specimen	Species	MD p ³	BL p ³	MD p ⁴	BL p ⁴	MD M ¹	BL M ¹	MD M ²	BL M ²	MD M ³	BL M ³
TM 266-01-060-1 ¹	<i>S. tchadensis</i>					11.5		13	12.8	10.8	14.9
TM 266-02-154-1 ¹	<i>S. tchadensis</i>			8		11	11.9	12.5		13.3	12.2
ARA-VP- 6/1 ²	<i>Ar. ramidus</i>	7.7	12.5	8.4	11.3			11.8	14.1		
A.L. 199-1 ³	<i>Au. afarensis</i>	7.5	11.3	7.6	11.1	10.8	12	12.1	13.4	11.4	13.1
A.L. 200-1a ³	<i>Au. afarensis</i>	8.8	12.4	8.4	12.2	12.2	13.3	13.5	14.9	14.3	15.1
A.L. 333-1 ³	<i>Au. afarensis</i>	8.8	12.3	9.1	12.4						
A.L. 333-2 ³	<i>Au. afarensis</i>	9	12.2	9.5	11.7						
A.L. 417-1d ³	<i>Au. afarensis</i>	8.4	11.7	8.5	12.5	12.1	13.3	13.2	14.7	13	14.8
A.L. 444-2 ³	<i>Au. afarensis</i>			10.8	14.5	13.5	15	14.1	15.8	14.8	16.3
A.L. 486-1 ³	<i>Au. afarensis</i>	9.1	12.6	9.1	12.8	12.8	14.4	13.6	14.9	13.3	15.1
A.L. 651-1 ³	<i>Au. afarensis</i>			8.1	12.2	10.5		12.6	14.3	12	13.3
A.L. 770-1a ³	<i>Au. afarensis</i>			9.1	12.1			13.5	15.2	12.7	15.4
MLD 6 ⁴	<i>Au. africanus</i>			9.7	12.7	12.3	13.1	14	14.6		
STS 1 ⁴	<i>Au. africanus</i>	9.5	13.4			12.8	13.6				
STS 12 ⁴	<i>Au. africanus</i>	9.1	11.9	10	12.4			14.6	15.9		
STS 17 ⁴	<i>Au. africanus</i>	9.1	12.9					13.1	15.3		
STS 28 ⁴	<i>Au. africanus</i>							15.7	17.2	15.5	18.3
STS 37 ⁴	<i>Au. africanus</i>							15.2	16.7	14.3	16.5
STS 52a ⁴	<i>Au. africanus</i>	9.2	12.9	10.1	13.8	12.9	14.1	14	15.3	12.2	14.8
STS 53 ⁴	<i>Au. africanus</i>					12	12.9	12.8	14.2	12.8	15.1
STS 56 ⁴	<i>Au. africanus</i>					13.2	13	12.9	14.2		
STS 61 ⁴	<i>Au. africanus</i>	9.5	11.9	9.3	12.6						
STS 8 ⁴	<i>Au. africanus</i>					12.9	14.1	14.3	16.6		
TM 1511 ⁴	<i>Au. africanus</i>	9.4	12.4	9.4	12.8	12.9	13.1			13.7	15.3
TM 1512 ⁴	<i>Au. africanus</i>	9.3	12			12	13.6				
KNM-CH 1 ⁴	<i>P. boisei</i>	10.2	13.9	11.6	15.8	14.2	14.9	15.6	17.2	16.6	17.5
KNM-ER 1804 ⁴	<i>P. boisei</i>	11.3	16.1	12.1	17.3	14.8	16.5	16.0	18.3		
KNM-WT 17400 ⁴	<i>P. boisei</i>	10.8	15.1	12	15.5	13.5	15.6	14.7	16.7	14.2	16.2
OH 30 ⁴	<i>P. boisei</i>			10.6	14.3	15.4	15.5				
OH 5 ⁴	<i>P. boisei</i>	10.9	17	11.8	18	15.2	17.7	17.2	21	15.7	21.4
DNH 7 ⁵	<i>P. robustus</i>			9.2	14.3	12	14.1	11.6	14.6	12.1	14.5
SK 13 ⁴	<i>P. robustus</i>	9.9	13.2	10.5	15.1	13.8	14.9			14.7	17.5
SK 46 ⁴	<i>P. robustus</i>			10.1	14.6			14.8	16.2	15	16.6
SK 47 ⁴	<i>P. robustus</i>					13.4	14.4	14.2	14.5		

Specimen	Species	MD p ³	BL p ³	MD p ⁴	BL p ⁴	MD M ¹	BL M ¹	MD M ²	BL M ²	MD M ³	BL M ³
SK 48 ⁴	<i>P. robustus</i>	9.3	13.8			13	14.5	13.4	14.9	13.5	15.9
SK 49 ⁴	<i>P. robustus</i>			11.3	16.2	12.8	15.3			14.2	17
SK 52 ⁴	<i>P. robustus</i>	10.1	15.1	11.2	16.5	13.9	16.8				
SK 65 ⁴	<i>P. robustus</i>	9.6	13.9	10.3	15.6						
SK 83 ⁴	<i>P. robustus</i>							13.0	17.0	15.8	17.6
SK 831a ⁴	<i>P. robustus</i>							15.7	16.9	17.2	17.8
SKX 162 ⁴	<i>P. robustus</i>	10	14.5	10.8	15.8						
TM 1517 ⁴	<i>P. robustus</i>	10.3	13.8	10.7	15.3			13.7	16.1	14.6	15.8
KNM-ER 1805B ⁴	<i>H. habilis</i>	8.2	12.0	9.0	11.6	13.2	13.4	12.8	13.5	13.6	14.6
KNM-ER 1813 A ⁴	<i>H. habilis</i>	8.1	11.3	8.5	11.5	12.0	13.0	11.8	13.9	11.2	13.2
OH 13 ⁴	<i>H. habilis</i>	8.7	11.0	8.7	11.5	12.2	13.2	12.6	14.0	11.3	13.1
OH 16 ⁴	<i>H. habilis</i>	9.4	12.1	9.8	12.1			13.0	16.3		
OH 24 ⁴	<i>H. habilis</i>	9.0	11.5	9.5	12.5	12.9	13.6	12.5	13.7	12.3	14.9
OH 39 ⁴	<i>H. habilis</i>	9.1	11.1	8.8	10.9	11.6	12.1	11.8	13.6		
D211 ⁶	<i>H. erectus</i>			7.9	10.6	12.2	12.3	13.2	11.7		
D2600 ⁶	<i>H. erectus</i>	8.8	13.5	8.8	13.0	11.4	13.8	13.3	15.4	15.6	16.3
D2735 ⁶	<i>H. erectus</i>					12.6	12.3	12.8	12.4		
KNM-ER 3733 ⁴	<i>H. erectus</i>	9.1	12.0	8.2	10.2	12.6	11.4	12.0	13.7		
KNM-WT 15000 ⁴	<i>H. erectus</i>	8.3	11.5	8.2	11.5	11.1	11.8	13.3	11.7		
Sale ⁶	<i>H. erectus</i>	8.4	11.9	6.9	11.4	11.6	13.4	10.7	14.1		
Sangiran 15a ⁶	<i>H. erectus</i>	8.0	11.0	8.0	11.3						
Sangiran 17 ⁶	<i>H. erectus</i>			7.4	10.7	11.8	12.9	11.2	12.8	9.4	13.4
Sangiran 4 ⁶	<i>H. erectus</i>	8.4	12.8	8.4	12.3	11.8	13.3	13.6	15.4	10.4	13.8
ZHK XIII ⁶	<i>H. erectus</i>	8.8	11.6	6.6	11.2	10.2	12.4	10.2	12.9	9.7	12.1
ZHLII(XI) ⁶	<i>H. erectus</i>			7.0	11.3	11.2	12.1	9.8	12.5	10.6	11.8
ZKD L1-PA98 ⁴	<i>H. erectus</i>	8.7	12.6	8.9	12.5						
ZKD L2-PA99 ⁴	<i>H. erectus</i>	7.4	10.5	7.4	11.2					10.4	12.1
ZKD O1-PA313 ⁴	<i>H. erectus</i>	8.0	11.6	7.3	11.1					9.8	12.5

MD, mesiodistal length; BL, buccolingual width

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