

Supplementary data

Table S1. The linear coefficients of each log-transformed morphological skull trait for each linear discriminant function in the full model.

Trait	LD1	LD2	LD3
AGE_dummy	1.16	-2.49	0.32
LT	1.31	-12.35	-0.92
CBL	3.02	3.69	4.26
BL	1.67	14.27	7.93
SSL	-22.82	0.75	4.85
PREPRO	-11.24	0.11	4.93
BACR	1.38	0.33	-0.49
BAF	7.81	-6.36	-9.15
MFL	11.72	-11.83	2.19
LN	-6.75	12.29	5.27
LR	12.54	0.25	-17.00
LP	-11.57	5.90	6.72
ACI	5.11	-9.79	-2.64
GLN	-1.58	4.64	1.05
MPL	-5.62	-4.33	3.85
OPL	-0.11	5.09	3.44
LLPRMAX	4.09	-9.27	-4.98
LCHEE	-6.63	-1.44	10.13
LMR	2.18	-0.60	-3.46
LPREM	-1.64	-6.11	0.87
GLOR	-8.22	-3.49	-0.35
GHOR	-8.23	11.97	-3.11
GMBOO	2.28	5.68	-4.51
GBOC	0.82	11.07	1.28
GBPP	0.18	4.83	0.95
GBFM	4.35	-1.56	-6.26
HFM	-1.42	-5.27	0.86
GBBC	1.18	12.31	7.05
LFBO	4.26	-1.93	-5.61
GBAO	-1.72	-10.20	-1.81

LBBO	-5.58	2.82	6.76
ZYB	-6.26	7.81	-11.21
GBN	-2.76	2.48	2.35
GBPM	2.83	-4.61	-1.58
BNUCR	3.24	-7.24	-1.07

Table S2. Linear discriminant coefficients from the 21-variables model.

Variable	LD1	LD2	LD3
ACI	3.10	5.65	2.18
BAF	1.97	4.38	5.39
BL	0.96	-9.26	-13.82
GBAO	-1.89	2.79	-1.51
GBBC	2.73	-4.85	-1.79
GBFM	1.98	2.43	5.67
GBOC	3.14	-14.47	-0.44
GHOR	-6.53	-12.95	5.20
GLOR	-6.28	9.38	1.10
LBBO	-0.65	-1.53	-2.96
LCHEE	-5.15	9.23	-8.15
LFBO	1.53	2.09	4.73
LLPRMAX	3.24	7.89	3.55
LN	2.31	3.08	1.39
LP	-7.51	-6.47	-4.88
LR	5.53	-6.09	12.18
LT	-6.26	5.84	-6.34
MFL	7.38	4.66	-9.85
PREPRO	-6.18	-1.14	-3.01
SSL	-13.26	-2.69	2.07
ZYB	-4.82	1.19	10.68
AGE_dummy	1.25	0.78	0.05

Table S3. F statistics and p value obtained during stepwise forward variable selection process.

Variable	Wilks' lambda	F.statistics. overall	p.value. overall	F.statistics. Diff	p.value. diff
LP	0.25	74.43	<0.001	74.43	<0.001
ZYB	0.17	34.79	<0.001	11.31	<0.001
LPREM	0.14	24.48	<0.001	5.45	<0.01
GBFM	0.12	19.84	<0.001	4.78	<0.01
BL	0.10	16.83	<0.001	3.52	<0.05
AGE_dummy	0.09	14.70	<0.001	2.84	<0.05
GHOR	0.08	13.38	<0.001	3.33	<0.05
GBOC	0.07	12.29	<0.001	2.81	<0.05
LLPRMAX	0.06	11.96	<0.001	4.81	<0.001

Table S4. Linear discriminant coefficients from the stepwise selection-basis model.

Variable	LD1	LD2	LD3
LP	-8.90	-0.44	-3.63
ZYB	-10.06	2.38	12.50
LPREM	-0.19	7.65	-0.86
GBFM	1.12	1.65	6.17
BL	-4.66	-3.94	-15.39
AGE_dummy	1.86	1.08	0.24
GHOR	-3.80	-8.85	5.13
GBOC	1.35	-12.68	-0.92
LLPRMAX	0.49	9.34	2.58

Table S5. Results from pairwise t tests among most important variables.

Skull variable	Group 1	Group 2	p-value	Mean group 1	Mean group 2	Group 1 95% CI	Group 2 95% CI
AGE	americana	gouazoubira	0.112	0.63	0.51	0.55 – 0.72	0.39 – 0.62
AGE	americana	jucunda	0.401	0.63	0.55	0.55 – 0.72	0.4 – 0.71
AGE	gouazoubira	jucunda	0.602	0.51	0.55	0.39 – 0.62	0.4 – 0.71
AGE	americana	nana	0.259	0.63	0.52	0.55 – 0.72	0.32 – 0.72
AGE	gouazoubira	nana	0.904	0.51	0.52	0.39 – 0.62	0.32 – 0.72
AGE	jucunda	nana	0.750	0.55	0.52	0.4 – 0.71	0.32 – 0.72
LT	americana	gouazoubira	<0.001	5.38	5.16	5.35 – 5.4	5.14 – 5.19
LT	americana	jucunda	<0.001	5.38	5.24	5.35 – 5.4	5.22 – 5.27
LT	gouazoubira	jucunda	<0.001	5.16	5.24	5.14 – 5.19	5.22 – 5.27
LT	americana	nana	<0.001	5.38	5.12	5.35 – 5.4	5.07 – 5.16
LT	gouazoubira	nana	0.020	5.16	5.12	5.14 – 5.19	5.07 – 5.16
LT	jucunda	nana	<0.001	5.24	5.12	5.22 – 5.27	5.07 – 5.16
CBL	americana	gouazoubira	<0.001	5.34	5.13	5.31 – 5.37	5.1 – 5.15
CBL	americana	jucunda	<0.001	5.34	5.18	5.31 – 5.37	5.15 – 5.21
CBL	gouazoubira	jucunda	0.004	5.13	5.18	5.1 – 5.15	5.15 – 5.21
CBL	americana	nana	<0.001	5.34	5.07	5.31 – 5.37	5.02 – 5.12
CBL	gouazoubira	nana	0.010	5.13	5.07	5.1 – 5.15	5.02 – 5.12
CBL	jucunda	nana	<0.001	5.18	5.07	5.15 – 5.21	5.02 – 5.12
BL	americana	gouazoubira	<0.001	5.25	5.04	5.23 – 5.27	5.02 – 5.06
BL	americana	jucunda	<0.001	5.25	5.1	5.23 – 5.27	5.06 – 5.13
BL	gouazoubira	jucunda	0.009	5.04	5.1	5.02 – 5.06	5.06 – 5.13
BL	americana	nana	<0.001	5.25	4.98	5.23 – 5.27	4.93 – 5.04
BL	gouazoubira	nana	0.014	5.04	4.98	5.02 – 5.06	4.93 – 5.04
BL	jucunda	nana	<0.001	5.1	4.98	5.06 – 5.13	4.93 – 5.04
SSL	americana	gouazoubira	<0.001	4.82	4.59	4.8 – 4.84	4.55 – 4.62

SSL	americana	jucunda	<0.001	4.82	4.71	4.8 – 4.84	4.69 – 4.73
SSL	gouazoubira	jucunda	<0.001	4.59	4.71	4.55 – 4.62	4.69 – 4.73
SSL	americana	nana	<0.001	4.82	4.58	4.8 – 4.84	4.53 – 4.63
SSL	gouazoubira	nana	0.576	4.59	4.58	4.55 – 4.62	4.53 – 4.63
SSL	jucunda	nana	<0.001	4.71	4.58	4.69 – 4.73	4.53 – 4.63
PREPRO	americana	gouazoubira	<0.001	4.2	4.02	4.16 – 4.23	3.98 – 4.06
PREPRO	americana	jucunda	<0.001	4.2	4.06	4.16 – 4.23	4.02 – 4.11
PREPRO	gouazoubira	jucunda	0.201	4.02	4.06	3.98 – 4.06	4.02 – 4.11
PREPRO	americana	nana	<0.001	4.2	3.94	4.16 – 4.23	3.86 – 4.03
PREPRO	gouazoubira	nana	0.023	4.02	3.94	3.98 – 4.06	3.86 – 4.03
PREPRO	jucunda	nana	0.003	4.06	3.94	4.02 – 4.11	3.86 – 4.03
BACR	americana	gouazoubira	0.034	3.57	3.41	3.47 – 3.67	3.28 – 3.54
BACR	americana	jucunda	0.836	3.57	3.59	3.47 – 3.67	3.48 – 3.71
BACR	gouazoubira	jucunda	0.038	3.41	3.59	3.28 – 3.54	3.48 – 3.71
BACR	americana	nana	0.376	3.57	3.49	3.47 – 3.67	3.35 – 3.62
BACR	gouazoubira	nana	0.411	3.41	3.49	3.28 – 3.54	3.35 – 3.62
BACR	jucunda	nana	0.322	3.59	3.49	3.48 – 3.71	3.35 – 3.62
BAF	americana	gouazoubira	<0.001	5.05	4.82	5.01 – 5.08	4.8 – 4.85
BAF	americana	jucunda	<0.001	5.05	4.89	5.01 – 5.08	4.85 – 4.92
BAF	gouazoubira	jucunda	0.009	4.82	4.89	4.8 – 4.85	4.85 – 4.92
BAF	americana	nana	<0.001	5.05	4.76	5.01 – 5.08	4.7 – 4.81
BAF	gouazoubira	nana	0.017	4.82	4.76	4.8 – 4.85	4.7 – 4.81
BAF	jucunda	nana	<0.001	4.89	4.76	4.85 – 4.92	4.7 – 4.81
MFL	americana	gouazoubira	<0.001	4.79	4.67	4.77 – 4.81	4.65 – 4.69
MFL	americana	jucunda	<0.001	4.79	4.71	4.77 – 4.81	4.69 – 4.74
MFL	gouazoubira	jucunda	0.022	4.67	4.71	4.65 – 4.69	4.69 – 4.74
MFL	americana	nana	<0.001	4.79	4.63	4.77 – 4.81	4.58 – 4.68
MFL	gouazoubira	nana	0.042	4.67	4.63	4.65 – 4.69	4.58 – 4.68

MFL	jucunda	nana	<0.001	4.71	4.63	4.69 – 4.74	4.58 – 4.68
LN	americana	gouazoubira	<0.001	4.68	4.56	4.66 – 4.71	4.54 – 4.58
LN	americana	jucunda	0.001	4.68	4.6	4.66 – 4.71	4.57 – 4.64
LN	gouazoubira	jucunda	0.030	4.56	4.6	4.54 – 4.58	4.57 – 4.64
LN	americana	nana	<0.001	4.68	4.53	4.66 – 4.71	4.47 – 4.58
LN	gouazoubira	nana	0.173	4.56	4.53	4.54 – 4.58	4.47 – 4.58
LN	jucunda	nana	0.004	4.6	4.53	4.57 – 4.64	4.47 – 4.58
LR	americana	gouazoubira	<0.001	5.15	4.95	5.13 – 5.18	4.93 – 4.98
LR	americana	jucunda	<0.001	5.15	5.06	5.13 – 5.18	5.01 – 5.1
LR	gouazoubira	jucunda	<0.001	4.95	5.06	4.93 – 4.98	5.01 – 5.1
LR	americana	nana	<0.001	5.15	4.93	5.13 – 5.18	4.88 – 4.98
LR	gouazoubira	nana	0.281	4.95	4.93	4.93 – 4.98	4.88 – 4.98
LR	jucunda	nana	<0.001	5.06	4.93	5.01 – 5.1	4.88 – 4.98
LP	americana	gouazoubira	<0.001	5.33	5.11	5.31 – 5.36	5.09 – 5.14
LP	americana	jucunda	<0.001	5.33	5.18	5.31 – 5.36	5.15 – 5.22
LP	gouazoubira	jucunda	0.001	5.11	5.18	5.09 – 5.14	5.15 – 5.22
LP	americana	nana	<0.001	5.33	5.07	5.31 – 5.36	5.03 – 5.11
LP	gouazoubira	nana	0.034	5.11	5.07	5.09 – 5.14	5.03 – 5.11
LP	jucunda	nana	<0.001	5.18	5.07	5.15 – 5.22	5.03 – 5.11
ACI	americana	gouazoubira	<0.001	5	4.81	4.97 – 5.03	4.78 – 4.83
ACI	americana	jucunda	<0.001	5	4.91	4.97 – 5.03	4.89 – 4.92
ACI	gouazoubira	jucunda	<0.001	4.81	4.91	4.78 – 4.83	4.89 – 4.92
ACI	americana	nana	<0.001	5	4.78	4.97 – 5.03	4.73 – 4.83
ACI	gouazoubira	nana	0.186	4.81	4.78	4.78 – 4.83	4.73 – 4.83
ACI	jucunda	nana	<0.001	4.91	4.78	4.89 – 4.92	4.73 – 4.83
GLN	americana	gouazoubira	<0.001	4.15	3.89	4.1 – 4.19	3.84 – 3.93
GLN	americana	jucunda	0.002	4.15	4.03	4.1 – 4.19	3.97 – 4.08
GLN	gouazoubira	jucunda	<0.001	3.89	4.03	3.84 – 3.93	3.97 – 4.08

GLN	americana	nana	<0.001	4.15	3.86	4.1 – 4.19	3.79 – 3.94
GLN	gouazoubira	nana	0.561	3.89	3.86	3.84 – 3.93	3.79 – 3.94
GLN	jucunda	nana	<0.001	4.03	3.86	3.97 – 4.08	3.79 – 3.94
MPL	americana	gouazoubira	<0.001	4.79	4.64	4.74 – 4.83	4.6 – 4.69
MPL	americana	jucunda	0.017	4.79	4.7	4.74 – 4.83	4.65 – 4.75
MPL	gouazoubira	jucunda	0.157	4.64	4.7	4.6 – 4.69	4.65 – 4.75
MPL	americana	nana	<0.001	4.79	4.54	4.74 – 4.83	4.45 – 4.63
MPL	gouazoubira	nana	0.008	4.64	4.54	4.6 – 4.69	4.45 – 4.63
MPL	jucunda	nana	0.001	4.7	4.54	4.65 – 4.75	4.45 – 4.63
OPL	americana	gouazoubira	<0.001	4.57	4.3	4.54 – 4.6	4.27 – 4.33
OPL	americana	jucunda	<0.001	4.57	4.39	4.54 – 4.6	4.34 – 4.43
OPL	gouazoubira	jucunda	0.001	4.3	4.39	4.27 – 4.33	4.34 – 4.43
OPL	americana	nana	<0.001	4.57	4.27	4.54 – 4.6	4.19 – 4.34
OPL	gouazoubira	nana	0.252	4.3	4.27	4.27 – 4.33	4.19 – 4.34
OPL	jucunda	nana	<0.001	4.39	4.27	4.34 – 4.43	4.19 – 4.34
LLPRMA X	americana	gouazoubira	<0.001	3.97	3.73	3.93 – 4.02	3.7 – 3.76
LLPRMA X	americana	jucunda	<0.001	3.97	3.84	3.93 – 4.02	3.78 – 3.89
LLPRMA X	gouazoubira	jucunda	0.001	3.73	3.84	3.7 – 3.76	3.78 – 3.89
LLPRMA X	americana	nana	<0.001	3.97	3.64	3.93 – 4.02	3.57 – 3.71
LLPRMA X	gouazoubira	nana	0.010	3.73	3.64	3.7 – 3.76	3.57 – 3.71
LLPRMA X	jucunda	nana	<0.001	3.84	3.64	3.78 – 3.89	3.57 – 3.71
LCHEE	americana	gouazoubira	<0.001	4.11	3.95	4.09 – 4.14	3.92 – 3.98
LCHEE	americana	jucunda	0.002	4.11	4.04	4.09 – 4.14	4 – 4.08
LCHEE	gouazoubira	jucunda	<0.001	3.95	4.04	3.92 – 3.98	4 – 4.08

LCHEE	americana	nana	<0.001	4.11	3.87	4.09 – 4.14	3.83 – 3.92
LCHEE	gouazoubira	nana	0.003	3.95	3.87	3.92 – 3.98	3.83 – 3.92
LCHEE	jucunda	nana	<0.001	4.04	3.87	4 – 4.08	3.83 – 3.92
LMR	americana	gouazoubira	<0.001	3.53	3.34	3.51 – 3.56	3.3 – 3.38
LMR	americana	jucunda	0.004	3.53	3.44	3.51 – 3.56	3.37 – 3.5
LMR	gouazoubira	jucunda	0.003	3.34	3.44	3.3 – 3.38	3.37 – 3.5
LMR	americana	nana	<0.001	3.53	3.3	3.51 – 3.56	3.25 – 3.36
LMR	gouazoubira	nana	0.208	3.34	3.3	3.3 – 3.38	3.25 – 3.36
LMR	jucunda	nana	0.001	3.44	3.3	3.37 – 3.5	3.25 – 3.36
LPREM	americana	gouazoubira	<0.001	3.35	3.2	3.32 – 3.39	3.17 – 3.23
LPREM	americana	jucunda	0.658	3.35	3.34	3.32 – 3.39	3.27 – 3.41
LPREM	gouazoubira	jucunda	<0.001	3.2	3.34	3.17 – 3.23	3.27 – 3.41
LPREM	americana	nana	<0.001	3.35	3.1	3.32 – 3.39	3.01 – 3.2
LPREM	gouazoubira	nana	0.009	3.2	3.1	3.17 – 3.23	3.01 – 3.2
LPREM	jucunda	nana	<0.001	3.34	3.1	3.27 – 3.41	3.01 – 3.2
GLOR	americana	gouazoubira	<0.001	3.51	3.39	3.49 – 3.53	3.37 – 3.4
GLOR	americana	jucunda	<0.001	3.51	3.45	3.49 – 3.53	3.43 – 3.46
GLOR	gouazoubira	jucunda	<0.001	3.39	3.45	3.37 – 3.4	3.43 – 3.46
GLOR	americana	nana	<0.001	3.51	3.37	3.49 – 3.53	3.33 – 3.4
GLOR	gouazoubira	nana	0.258	3.39	3.37	3.37 – 3.4	3.33 – 3.4
GLOR	jucunda	nana	<0.001	3.45	3.37	3.43 – 3.46	3.33 – 3.4
GHOR	americana	gouazoubira	<0.001	3.57	3.38	3.54 – 3.6	3.36 – 3.4
GHOR	americana	jucunda	<0.001	3.57	3.44	3.54 – 3.6	3.41 – 3.46
GHOR	gouazoubira	jucunda	0.007	3.38	3.44	3.36 – 3.4	3.41 – 3.46
GHOR	americana	nana	<0.001	3.57	3.39	3.54 – 3.6	3.34 – 3.44
GHOR	gouazoubira	nana	0.604	3.38	3.39	3.36 – 3.4	3.34 – 3.44
GHOR	jucunda	nana	0.077	3.44	3.39	3.41 – 3.46	3.34 – 3.44
GMBOO	americana	gouazoubira	<0.001	4.18	4.01	4.16 – 4.21	3.98 – 4.05

GMBOO	americana	jucunda	<0.001	4.18	4.07	4.16 – 4.21	4.04 – 4.1
GMBOO	gouazoubira	jucunda	0.020	4.01	4.07	3.98 – 4.05	4.04 – 4.1
GMBOO	americana	nana	<0.001	4.18	4	4.16 – 4.21	3.95 – 4.06
GMBOO	gouazoubira	nana	0.762	4.01	4	3.98 – 4.05	3.95 – 4.06
GMBOO	jucunda	nana	0.030	4.07	4	4.04 – 4.1	3.95 – 4.06
GBOC	americana	gouazoubira	<0.001	3.68	3.51	3.65 – 3.71	3.48 – 3.54
GBOC	americana	jucunda	<0.001	3.68	3.55	3.65 – 3.71	3.52 – 3.58
GBOC	gouazoubira	jucunda	0.047	3.51	3.55	3.48 – 3.54	3.52 – 3.58
GBOC	americana	nana	<0.001	3.68	3.53	3.65 – 3.71	3.48 – 3.59
GBOC	gouazoubira	nana	0.267	3.51	3.53	3.48 – 3.54	3.48 – 3.59
GBOC	jucunda	nana	0.512	3.55	3.53	3.52 – 3.58	3.48 – 3.59
GBPP	americana	gouazoubira	<0.001	4.05	3.86	4.02 – 4.08	3.83 – 3.88
GBPP	americana	jucunda	<0.001	4.05	3.91	4.02 – 4.08	3.87 – 3.95
GBPP	gouazoubira	jucunda	0.027	3.86	3.91	3.83 – 3.88	3.87 – 3.95
GBPP	americana	nana	<0.001	4.05	3.85	4.02 – 4.08	3.78 – 3.91
GBPP	gouazoubira	nana	0.650	3.86	3.85	3.83 – 3.88	3.78 – 3.91
GBPP	jucunda	nana	0.028	3.91	3.85	3.87 – 3.95	3.78 – 3.91
GBFM	americana	gouazoubira	0.019	2.96	2.86	2.9 – 3.02	2.8 – 2.92
GBFM	americana	jucunda	0.207	2.96	3.02	2.9 – 3.02	2.96 – 3.09
GBFM	gouazoubira	jucunda	0.001	2.86	3.02	2.8 – 2.92	2.96 – 3.09
GBFM	americana	nana	0.501	2.96	3	2.9 – 3.02	2.91 – 3.08
GBFM	gouazoubira	nana	0.010	2.86	3	2.8 – 2.92	2.91 – 3.08
GBFM	jucunda	nana	0.640	3.02	3	2.96 – 3.09	2.91 – 3.08
HFM	americana	gouazoubira	0.002	2.94	2.85	2.89 – 2.98	2.82 – 2.89
HFM	americana	jucunda	0.269	2.94	2.9	2.89 – 2.98	2.84 – 2.96
HFM	gouazoubira	jucunda	0.109	2.85	2.9	2.82 – 2.89	2.84 – 2.96
HFM	americana	nana	0.002	2.94	2.83	2.89 – 2.98	2.78 – 2.88
HFM	gouazoubira	nana	0.432	2.85	2.83	2.82 – 2.89	2.78 – 2.88

HFM	jucunda	nana	0.047	2.9	2.83	2.84 – 2.96	2.78 – 2.88
GBBC	americana	gouazoubira	<0.001	4.12	4.01	4.1 – 4.14	3.99 – 4.03
GBBC	americana	jucunda	<0.001	4.12	4.05	4.1 – 4.14	4.03 – 4.07
GBBC	gouazoubira	jucunda	0.006	4.01	4.05	3.99 – 4.03	4.03 – 4.07
GBBC	americana	nana	<0.001	4.12	4.01	4.1 – 4.14	3.97 – 4.06
GBBC	gouazoubira	nana	0.836	4.01	4.01	3.99 – 4.03	3.97 – 4.06
GBBC	jucunda	nana	0.037	4.05	4.01	4.03 – 4.07	3.97 – 4.06
LFBO	americana	gouazoubira	<0.001	4.11	3.9	4.05 – 4.17	3.87 – 3.94
LFBO	americana	jucunda	<0.001	4.11	3.99	4.05 – 4.17	3.95 – 4.02
LFBO	gouazoubira	jucunda	0.011	3.9	3.99	3.87 – 3.94	3.95 – 4.02
LFBO	americana	nana	<0.001	4.11	3.89	4.05 – 4.17	3.83 – 3.96
LFBO	gouazoubira	nana	0.776	3.9	3.89	3.87 – 3.94	3.83 – 3.96
LFBO	jucunda	nana	0.019	3.99	3.89	3.95 – 4.02	3.83 – 3.96
GBAO	americana	gouazoubira	<0.001	4.36	4.11	4.34 – 4.39	4.06 – 4.16
GBAO	americana	jucunda	<0.001	4.36	4.25	4.34 – 4.39	4.2 – 4.29
GBAO	gouazoubira	jucunda	<0.001	4.11	4.25	4.06 – 4.16	4.2 – 4.29
GBAO	americana	nana	<0.001	4.36	4.13	4.34 – 4.39	4.07 – 4.19
GBAO	gouazoubira	nana	0.587	4.11	4.13	4.06 – 4.16	4.07 – 4.19
GBAO	jucunda	nana	0.002	4.25	4.13	4.2 – 4.29	4.07 – 4.19
LBBO	americana	gouazoubira	<0.001	3.92	3.68	3.88 – 3.97	3.63 – 3.73
LBBO	americana	jucunda	<0.001	3.92	3.72	3.88 – 3.97	3.64 – 3.81
LBBO	gouazoubira	jucunda	0.274	3.68	3.72	3.63 – 3.73	3.64 – 3.81
LBBO	americana	nana	<0.001	3.92	3.66	3.88 – 3.97	3.57 – 3.74
LBBO	gouazoubira	nana	0.702	3.68	3.66	3.63 – 3.73	3.57 – 3.74
LBBO	jucunda	nana	0.219	3.72	3.66	3.64 – 3.81	3.57 – 3.74
ZYB	americana	gouazoubira	<0.001	4.53	4.32	4.51 – 4.55	4.3 – 4.34
ZYB	americana	jucunda	<0.001	4.53	4.42	4.51 – 4.55	4.39 – 4.45
ZYB	gouazoubira	jucunda	<0.001	4.32	4.42	4.3 – 4.34	4.39 – 4.45

ZYB	americana	nana	<0.001	4.53	4.32	4.51 – 4.55	4.27 – 4.37
ZYB	gouazoubira	nana	0.934	4.32	4.32	4.3 – 4.34	4.27 – 4.37
ZYB	jucunda	nana	<0.001	4.42	4.32	4.39 – 4.45	4.27 – 4.37
GBN	americana	gouazoubira	0.001	3.08	2.94	3.01 – 3.15	2.89 – 2.99
GBN	americana	jucunda	0.003	3.08	2.92	3.01 – 3.15	2.81 – 3.03
GBN	gouazoubira	jucunda	0.750	2.94	2.92	2.89 – 2.99	2.81 – 3.03
GBN	americana	nana	0.001	3.08	2.9	3.01 – 3.15	2.81 – 2.98
GBN	gouazoubira	nana	0.431	2.94	2.9	2.89 – 2.99	2.81 – 2.98
GBN	jucunda	nana	0.663	2.92	2.9	2.81 – 3.03	2.81 – 2.98
GBPM	americana	gouazoubira	<0.001	3.27	3.02	3.21 – 3.33	2.97 – 3.07
GBPM	americana	jucunda	0.008	3.27	3.13	3.21 – 3.33	3.04 – 3.22
GBPM	gouazoubira	jucunda	0.021	3.02	3.13	2.97 – 3.07	3.04 – 3.22
GBPM	americana	nana	<0.001	3.27	3.01	3.21 – 3.33	2.88 – 3.15
GBPM	gouazoubira	nana	0.937	3.02	3.01	2.97 – 3.07	2.88 – 3.15
GBPM	jucunda	nana	0.049	3.13	3.01	3.04 – 3.22	2.88 – 3.15
BNUCR	americana	gouazoubira	<0.001	4.04	3.82	3.96 – 4.12	3.77 – 3.87
BNUCR	americana	jucunda	<0.001	4.04	3.83	3.96 – 4.12	3.79 – 3.87
BNUCR	gouazoubira	jucunda	0.802	3.82	3.83	3.77 – 3.87	3.79 – 3.87
BNUCR	americana	nana	<0.001	4.04	3.7	3.96 – 4.12	3.64 – 3.76
BNUCR	gouazoubira	nana	0.009	3.82	3.7	3.77 – 3.87	3.64 – 3.76
BNUCR	jucunda	nana	0.013	3.83	3.7	3.79 – 3.87	3.64 – 3.76

Figure S1. Quantile-Quantile plot after data log-transformation.

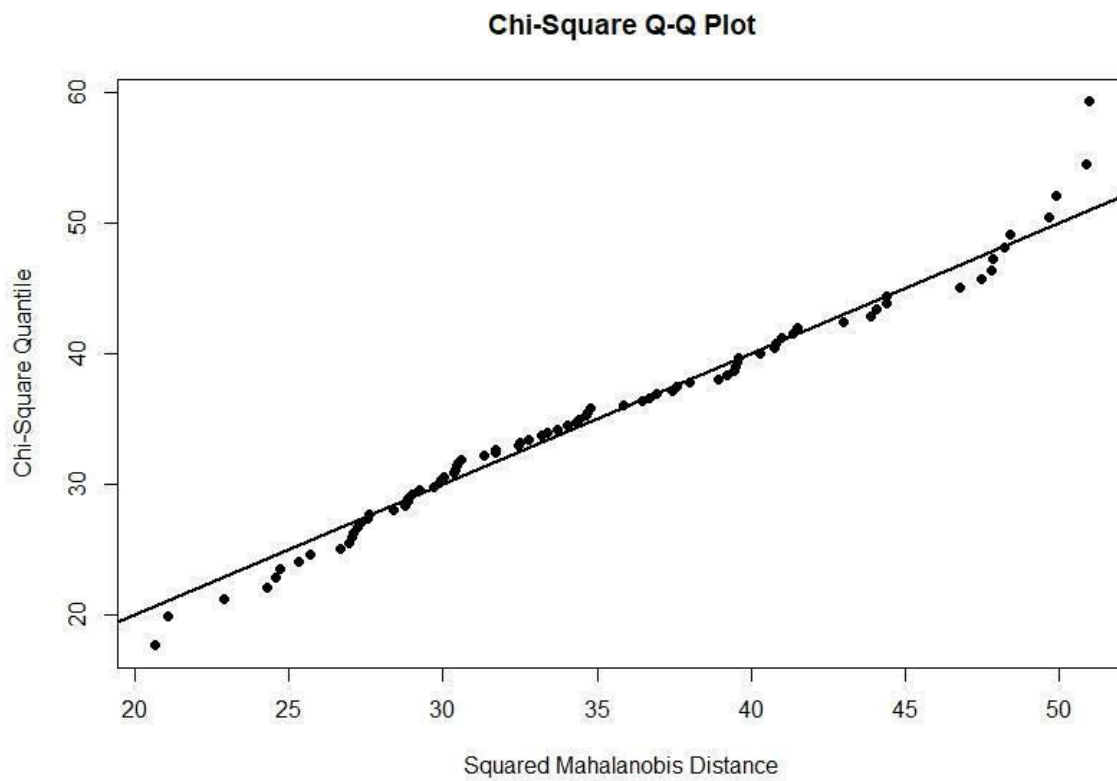
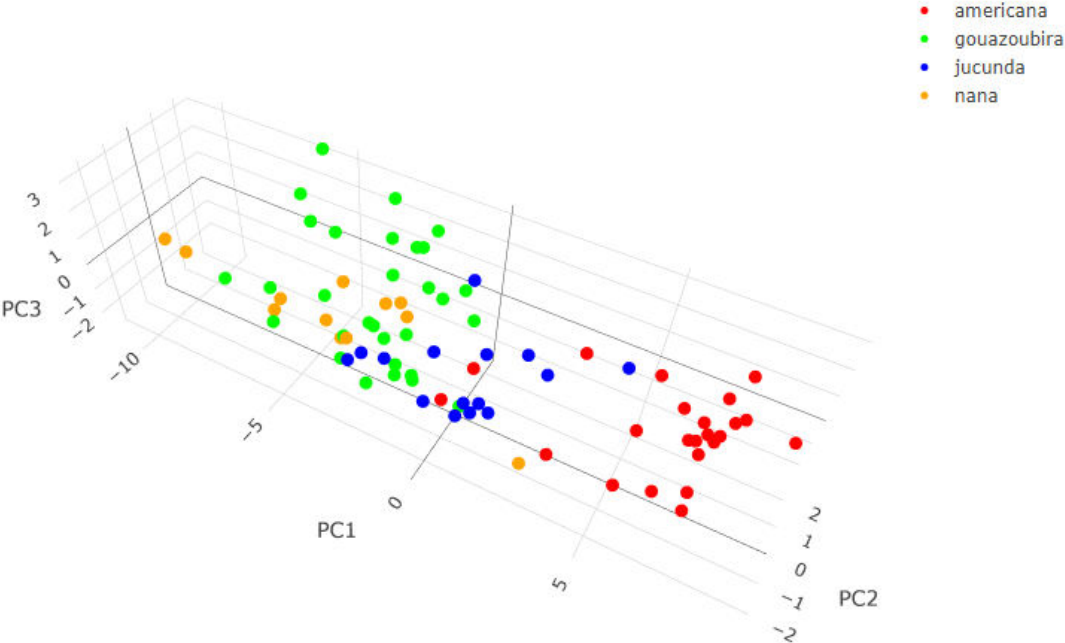


Figure S2. Three-dimensional plot of the three main principal components considering four sympatric groups/species of brocket deer.



Supplementary Material Dataset

Source	Individual Identification	Age	AG_E_binar y	Original ID	Sex	Unified_ID	LT	CBL	B	S	PR	B	B	M	L	L	L	A	G	M	O	LL	L	L	LP	G	G	G	G	G	G	H	G	L	G	L	Z	G	G	B	
										SL	EP	A	A	FL	N	R	P	CI	LN	PL	PL	PR	CH	LM	REM	LO	HO	MB	BO	BO	BP	BF	FM	BC	FB	BA	LB	Y	BN	BP	NU
Borges 2017, Bernegossi et al 2022	Neotype	s	1	gou	M	gou	1	1	1	1	46	1	1	9	9	1	1	1	4	9	6	41.	5	3	2	2	2	65	3	3	1				5	5	4	7	1	2	3
González et al. 2018	1822	a	2	gou	M	gou	1	1	1	1	57	4	1	1	1	1	1	5	5	1	8	45.	5	2	2	2	55	3	4	1	1	5	7	5	7	2	8	1		4	
González et al. 2018	Bebel NP	a	2	gou	F	gou	1	1	1	9	69	2	1	1	1	1	1	3	6	1	7	41.	5	3	2	2	2	52	3	4	1	1	5	4	5	3	8	2	2	2	
González et al. 2018	Nina NPC	a	2	gou	F	gou	1	1	1	8	72	1	1	1	9	1	1	4	1	7	7	42.	4	2	2	3	3	55	3	4	1	1	5	4	5	3	7	1	2	4	
González et al. 2018	Pelucia	a	2	gou	M	gou	1	1	1	8	69	1	1	1	8	1	1	5	1	7	7	39.	5	2	2	3	2	57	3	5	1	1	6	5	5	4		1	2	4	
González et al. 2018	1848	a	2	gou	F	gou	1	1	1	1	52	3	1	1	8	1	1	4	1	7	7	39.	5	2	2	2	2	55	3	4	1	1	5	4	6	3	7	2	1	4	
González et al. 2018	6652	a	2	gou	M	gou	1	1	1	9	45	3	1	1	9	1	1	4	1	6	7	45.	5	2	2	3	3	52	3	4	1	1	5	6	3	7	2	1	4		
González et al. 2018	Pelucia	a	2	gou	F	gou	1	1	1	7	65	1	1	1	9	1	1	4	9	6	7	38.	5	3	2	2	3	51	2	4	1	1	5	4	4	3	7	1	2	4	
González et al. 2018	Grazi NP	a	2	gou	F	gou	1	1	1	8	56	1	1	1	9	1	1		9	5	7	31.	5	2	2	2	48	2	4	1	1	4	4	4	3	6		1	4		
González et al. 2018	60647	a	2	gou	M	juc	1	1	1	1	50	3	1	1	8	1	1	6	1	7	40.	5	2	2	2	2	55	3	4	1	1	5	5	6		7	1	1	4		
Mantellatto et al 2020/MHN CI	153	a	2	am	F	am	2	2	1	1	70	4	1	1	1	1	2	6	1	9	55.	5	3	2	3	3	69	4	5	2	2	6	5	6	4	9	1	2	4		
Mantellatto et al	4375	s	1	am	M	am	1	1	1	1	63	4	1	1	9	1	1	4	1	8	41.	5	3	2	3	3	59	3	4	2	1	5	7	4	8	2	2	4			

Source	Individual Identification	Age	AG_Ebinary	Original ID	Sex	Unified_ID	LT	CB	BL	SL	PREPRO	BACR	BACF	MFL	LN	LR	LP	ACI	GLN	MPL	OPL	LLPRMAX	LCHHEE	LMR	LPREM	GLOR	GHOR	GMBBO	GBOC	GBPP	GBBFM	HFM	GBBC	LFBO	GBAO	LBBO	ZYB	GBN	GBPM	BNUCR
Mantellatto et al 2020/MHNCI	393	sub	1	jucunda	F	jucunda	178	172	156	105.5	52	40	118.6	109.7	96	138	167	144.2	44.2	100.6	74.9	41.5	52.3	228	322	256	359	448	222	205	578	255	668	372	807	175	183	146	33	
Mantellatto et al 2020/MHNCI	4084	adult	2	jucunda	F	jucunda				113.1		41.5		119	96.4	16.6	133.5	52.5					59.5	322	322	331	59.4	349	500	226	158	551	672	387	817	154	212	447		
Mantellatto et al 2020/MHNCI	1078	sub	1	nan	Ind	nan	180	177	164	106.1	58.3	38.1	116.1	209.7	97	143	170	147.7	46.2	108.1		44.7	488	251	209	294	569	343	473	214	181	565	485	369	754	151	273	393		
Mantellatto et al 2020/MHNCI	4106	adult	2	nan	F	nan	164	160	150	100.8	49.1	38.8	120.1	202.1	81	93.8	116.6	122.3	50.5	99.6	70.7	34.8	49.7	282	315	299	309	57.3	336	411	217	595	476	618	389	806	185	291	401	
Mantellatto et al 2020/MHNCI	5592	adult	2	nan	F	nan	157.9	154	143	92.7	48.4	37.6	108.8	92.2	86.9	117.9	115.1	49.1	94.4	64		40.5	438	223	207	279	56.3	322	429	111	187	544	486	372	783	181	211	392		
Mantellatto et al 2020/MHNCI	4374	adult	2	nan	F	nan	157	154	143	92.7	45.5	35.5	109.5	93.5	83	113	113.3	49.5	93.8	65		35.4	49.5	263	234	228	52.3	355	459	118	197	558	480	374	784	216	199	369		
Mantellatto et al 2020/MHNCI	2513	sub	1	nan	Ind	nan	144.8	140	128	87	42.1	28.2	101.6	87.6	76	125	130.9	43.8	87.4	62		33.5	45.7	226	225	277	47.1	301	408	113	143	546	419	321	644	178	168	368		
Mantellatto et al 2020/MHNCI	3412	sub	1	nan	M	nan				85.4		34.6		96.1	87			100.7						44.6	281	226	47.9	308	405	226	166	507	452	366	639	138	134	367		
Mantellatto et al 2020/MHNCI	2449	adult	2	nan	M	nan				95.3		36.8		99.5	83			119.9						48.6	221	227	55.5	382	424	222	193	548	421	388	679	139		403		
MHNCI	147	adult	2	nan	F	americana	235	218	200	126.4	73.9	48.2	125.8	210.8	109.4	120	200	222	72.6	104.4		58	60.8	346	326	345	71.6	379	547	117	197	558	405	343	911	278	271	497		
MHNCI	150	adult	2	americana	M	americana	225	219	207	129.3	68.9	47.7	125.5	217.5	114.1	120	200	214.5	70.4	107.4		50.1	63.3	345	322	338	67.6	393	529	224	204	575	438	387	917	281	288	499		
MHNCI	6093	adult	2	nan	M	americana	210	205	186	124.5	67.7	50.4	124.3	212.2	113.1	116.3	205.4	217.8	75.8	109.8		49.4	63.1	326	325	344	67.5	399	526	223	207	593	439	397	912	285	255	487		
MHNCI	91	adult	2	americana	F	americana	209	197	186	121.6	58.4	47.1	125.5	215.5	110.7	119.3	206.3	217.4	75.4	108.8		47.3	60.7	325	321	335	65.2	359	509	221	203	599	439	344	912	284	244	484		
MHNCI	146	sub	1	americana	F	americana	198	186	171	124.8	61.2	43.6	124.1	210.4	109.4	116.8	206.4	215.8	72.2	106.7		51.3	58.5	327	323	332	58.0	351	506	223	208	596	439	369	905	283	293	464		
MHNCI	2788	ad	2	gouazo	Ind	gouazo	192	186	167	120	60.8	40.2	121.1	211	110	115	207	213.3	75.6	108.1		43.1	53.3	304	223	291	52.4	345	435	225	208	593	437	396	755	283	288	424		

Source	Individual Identification	Age	AG_Ebinary	Original ID	Sex	Unified_ID	LT	CB	BL	SSL	PREPRO	BACR	BAAF	MFL	LN	LR	LP	ACI	GLN	MPL	OPL	LLPRMAX	LCHEE	LMR	LPREM	GLOR	GHOR	GMBBO	GBOC	GBPP	GBFM	HFM	GBBC	LFBO	GBAO	LBBB	ZYB	GBN	GBPM	BNUCR			
		ult		ubira		ubira				5.9			9.9	5.7	1.2	4.8		1.8		7.1																							
MHNCI	2787	adult	2	gouazoubira	F	gouazoubira	180	175	160	108.7	52.1	41.1	11.9.3	11.5.2	97.6	14.7.1	11.7.7	12.9.9	51.1	104.9	71.5	40.8	52.2	28.4	22.8	29.3	29.9	54	36	43	24.9	16.9	57.9	49.8	60	39.1	76.6	18.8	19.3	11.1	41.1		
MHNCI	2692	sub	1	gouazoubira	M	gouazoubira				100.7		41.2		9.9	87	12.5	11.8.7	14.5	44.5				52.9	22.8	25.8	30.3	28.8	50.6	35.3	45.9	20.8	15.7	50.9	65.8	38.1	70.8	11.8	16.6	16.4	40.1			
MHNCI	395	adult	2	jucunda	F	jucunda	198				63.4		13.7		107.5	17.9	11.90	60.7		82.7		43.8	58.8	31.7	23.8	33.3						57.7	54	66.4	34.2		20	20.6					
MHNCI	6089	adult	2	jucunda	M	jucunda	193	182	168	113.3	56.5	41.8	13.2.7	11.1	98.9	15.1.8	11.7.6	13.3.6	59.8	115.8	84.6	55	60.3	33.9	27.9	31.3	30.5	55.4	37.9	48.9	22.5	19.5	59.3	50.2	63.9	39.9	85.1	23.9	23.5	45.4			
MHNCI	4039	adult	2	nana	M	nana	190	185	175	122.9	60.7	48.2	13.0	11.8	105.8	17.7	11.7.8	14.4.1.8	56.3	119.4	85.9	46.6	57.7	31.6	26.6	33.9	32.3	66.7	41.0	64.7	21.4	59.9	59.2	79.1	43.1	85.7	17.3	23.5	23.7	47.3			
Peres et al 2021	T255	adult	2	rufa		americana	255.5	272.9	242.4	122.4	73.7	26.0	21.7	22.0	19.1	10.4	11.5.3	15.3.6	96.3	116.8	97.8	60.65	59.0	37.4	26.5	33.6	69.3	39.2	61.1	21.9	20.1	65.2	62.9	82.2	57.3	79.2	55.8	27.7	10.3	29.3	53.4		
Peres et al 2021	T342	adult	2	americana		americana	270.9	236.5	231.7	133.7	78.8	32.1	27.0	12.3	12.8	12.5	21.2	64.2	113.9	114.4	56.81	69.8	33.3	37.7	33.7	35.7	68.1	48.0	50.7	21.3	21.8	64.8	40.5	60.0	75.8	58.7	94.4	9.0	26.8	28.2	84.6		
Peres et al 2021	T358	adult	2	americana		americana	231.9	229.3	217.0	130.2	61.8	27.7	20.5	11.3	10.4	7.5	2.7	15.4	71.1	116.1	99.4	61.17	68.7	37.0	30.2	33.2	66.7	41.4	60.8	11.8	11.1	63.8	66.1	84.6	45.9	66.9	61.9	20.5	28.1	28.4	50.2		
Peres et al 2021	T252	adult	2	americana		americana	230.7	248.9	214.2	133.2	76.8	32.7	21.4	11.0	11.4	11.7	21.2	15.4	71.8	115.9	57.43	63.1	35.7	28.9	33.5	67.9	67.8	36.6	52.3	21.7	63.4	65.0	84.8	50.7	79.2	50.2	94.4	24.6	27.3	26.9	63.9		
Peres et al 2021	T268	adult	2	rufa		americana	226.9	208.1	190.8	133.3	65.7	36.4	17.9	11.3	11.2	11.7	20.7	15.6	71.7	116.9	61.19	67.4	37.7	30.5	33.7	64.8	42.2	59.6	26.7	21.5	67.7	65.9	84.9	57.5	77.9	58.2	95.8	22.2	26.6	26.9	69.9		
Peres et al 2021	T385	adult	2	rufa		americana	226.1	209.4	194.7	132.2	62.3	43.9	13.4	11.5	11.5	11.8	20.3	15.7	71.9	116.8	51.33	63.2	38.7	28.3	33.5	60.9	41.5	56.5	24.4	20.8	68.3	66.8	84.2	58.8	94.2	59.2	27.9	27.4	27.5	64.1			
Peres et al 2021	T211	adult	2	americana		americana	231.2	230.5	210.6	131.1	64.8	29.9	22.0	11.2	11.9	11.5	21.3	15.8	71.5	116.8	55.04	63.9	36.6	31.1	33.8	64.5	36.6	61.1	21.3	68.7	63.4	84.8	50.7	79.2	50.6	94.4	24.6	27.3	26.9	63.9			

Source	Individual Identification	Age	AG_Ebinary	Original ID	Sex	Unified_ID	LT	CB	BL	SL	PREPRO	BACR	BACF	MFL	LN	LR	LP	ACI	GLN	MPL	OP	LLPRMAX	LCHHEE	LMR	LPREM	GLOR	GHOR	GMBBO	GBOC	GBPP	GBBFM	HFM	GBBC	LFBO	GBAO	LBBO	ZYB	GBN	GBPM	BNUCR
Peres et al 2021	T274	adult	2	american		americana	20.74	21.94	18.74	12.55	68.13	27.26	17.20	11.73	10.55	17.39	22.73	15.26	65.07	11.57	92.26	51.82	63.41	34.32	33.86	33.44	33.72	64.82	41.69	62.11	11.88	18.99	65.34	67.94	53.55	87.72	29.36	36.77	20.67	51.06
Peres et al 2021	T247	adult	2	american		americana	20.18	20.91	12.24	11.44			15.95	11.42	11.04	17.24	22.54	11.66	67.11	13.31	96.43	51.82	60.61	33.02	33.49	33.29	64.72	41.69	62.11	11.88	18.99	65.34	67.94	53.55	87.72	29.36	36.77	20.67	51.06	
Peres et al 2021	T205	adult	2	rufa		americana	21.66	21.96	11.08	11.44	72.11	29.48	15.78	11.99	11.03	17.44	22.73	15.26	65.07	11.57	92.26	49.55	60.78	35.04	33.86	33.44	70.25	39.45	56.99	14.08	21.97	65.34	67.94	53.55	87.72	29.36	36.77	20.67	51.06	
Peres et al 2021	T206	adult	2	american		americana	21.53	20.98	13.33	11.83	67.03	31.11	16.61	11.36	11.73	17.04	22.73	15.26	65.07	11.57	92.26	54.28	63.47	37.15	28.85	33.08	60.18	39.44	55.81	18.99	19.91	65.34	67.94	53.55	87.72	29.36	36.77	20.67	51.06	
Peres et al 2021	T269	adult	2	american		americana	21.06	20.91	10.18	11.49	64.54	36.33	15.79	11.93	11.69	16.85	22.73	15.26	65.07	11.57	92.26	48.22	64.11	35.22	33.86	33.44	67.28	41.69	59.09	15.99	21.97	65.34	67.94	53.55	87.72	29.36	36.77	20.67	51.06	
Peres et al 2021	T251	adult	2	american		americana	21.50	20.96	12.26	11.44	66.41	35.21	15.79	11.97	11.62	17.04	22.73	15.26	65.07	11.57	92.26	59.11	65.43	32.34	33.66	33.21	64.33	41.69	56.22	15.91	21.97	65.34	67.94	53.55	87.72	29.36	36.77	20.67	51.06	
Peres et al 2021	T253	adult	2	american		americana	20.75	20.83	13.52	11.47	66.88	34.66	15.57	11.68	11.02	17.44	22.73	15.26	65.07	11.57	92.26	50.57	60.17	32.55	33.86	33.44	64.53	39.45	56.88	16.97	21.97	65.34	67.94	53.55	87.72	29.36	36.77	20.67	51.06	
Peres et al 2021	T254	adult	2	american		americana	21.47	20.95	12.67	11.44	61.69	32.77	15.85	11.95	11.97	16.94	22.73	15.26	65.07	11.57	92.26	52.81	54.52	33.23	33.44	33.24	62.32	35.52	54.75	17.87	21.97	65.34	67.94	53.55	87.72	29.36	36.77	20.67	51.06	
Peres et al 2021	T340	adult	2	jucunda		jucunda	20.51	21.54	11.67	11.87	62.11	34.45	15.45	11.54	11.48	16.99	22.73	15.26	65.07	11.57	92.26	49.56	59.27	30.87	33.75	33.65	68.02	35.44	50.11	15.94	21.97	65.34	67.94	53.55	87.72	29.36	36.77	20.67	51.06	
Peres et al 2021	T412	adult	2	jucunda		jucunda	16.00	19.51	17.24	11.45	66.99	24.23	11.33	11.25	11.55	16.97	22.73	15.26	65.07	11.57	92.26	56.57	65.44	31.16	33.22	33.82	62.99	35.98	50.84	19.94	21.97	65.34	67.94	53.55	87.72	29.36	36.77	20.67	51.06	
Peres et al 2021	NPC024	adult	2	jucunda		jucunda	18.70	13.53	15.66	11.37	59.02	32.81	13.66	11.55	11.05	16.85	22.73	15.26	65.07	11.57	92.26	44.98	59.32	38.82	33.22	33.29	59.22	34.02	50.72			55.44	81.32	50.01	93.12	20.42	27.11	20.82	48.12	
Peres et al 2021	T338	adult	2	jucunda		jucunda	14.85	17.12	15.06	11.92	54.52	30.22	13.68	11.81	11.03	16.81	22.73	15.26	65.07	11.57	92.26	48.09	60.03	34.91	33.01	33.21	56.51	34.72	51.72	22.72		59.93	72.03	50.01	83.14	20.32	29.04	20.44	48.51	

Source	Individual Identification	Age	AG_Ebinary	Original ID	Sex	Unified_ID	LT	CB	BL	SSL	PREPRO	BACR	BAAF	MFL	LN	LR	LP	ACI	GLN	MPL	OPL	LLPRMAX	LCHHEE	LMR	LPREM	GLOR	GHOR	GMBBO	GBOC	GBPP	GBFM	HFM	GBBC	LFBO	GBAO	LBBO	ZYB	GBN	GBPM	BNUCR		
								12							43	72	12	65																								
Peres et al 2021	NPC020	adult	2	nan		nan	1724	15911	1417	1017	52	263	13001	1145	109	1481	1604	1222	5932	8532	929	3605	4502	2701	2006	3058	326	5711	3355	504	2008			4923	6883	4503	7503	1444	2502	2996	396	
Peres et al 2021	T406	adult	2	nan		nan	167944	164077	150002	44.433	287	11633	10099	9538	1105	1383	1209	1208	457	854	621	4107	5148	388	209	282	383	5604	344	4571	1584	563	613	519	652	419	454	747	299	231	469	
Peres et al 2021	T304	adult	2	nan		nan	166745	160475	14978	47.91	381	1224	10044	9132	1107	1377	1163	1179	471	746	685	3876	4834	264	244	339	331	542	334	490	133	572	546	600	400	444	788	292	235	403		
Peres et al 2021	NPC114	adult	2	nan		nan	137901	143001	19531	51.02	214	1243	10088	9145	1108	1141	1106	4805	8002	7551	3405	3462	4902	289	255	277	524	355	476	223			489	626	469	718	191	143	942	407		
Sandoval et al 2023	T260_Mam	adult	2	american	americana		2059	2106	1807	12207	63.91							663	061	818	918	5823	5229	327	277	370	673	491	529	196			699	853	589	849	236	255	689	089		
Sandoval et al 2023	T450_Topotype	adult	2	gouazoubira	gouazoubira		18102	17379	15033	52.44								473	965	765	4516	5422	545	325	316	296	592	342	471			894	624	549	849	196	258	518	288			
Sandoval et al 2023	T405_Sgo	adult	2	gouazoubira	gouazoubira		18122	15022	15022	50.17								578	478	764	412	419	409	421	355	363	664	251	436	14			461	633	413	600	700	210	481	562		
Sandoval et al 2023	T403_Sgo	adult	2	gouazoubira	gouazoubira		18686	17464	15422	55.21								488	605	605	409	409	409	226	281	281	589	367	532	12			679	709	422	795	299	236	503			
Sandoval et al 2023	T372_Sgo	sub	1	gouazoubira	gouazoubira		18565	17556	15489	56.44								541	667	777	4573	475	4573	265	255	225	538	343	496	15			437	645	408	758	195	299	609	695		
Sandoval et al 2023	347B_Sgo	adult	2	gouazoubira	gouazoubira		17794	17501	15018	55.01								5138	133	112	4103	4103	4103	273	288	289	5267	337	499	13			583	633	432	74	173	209	581	111		
Sandoval et al 2023	T323_Sgo	adult	2	gouazoubira	gouazoubira		16022	6233	2333	54.02								457	665	735	3991	3991	4009	259	299	359	580	354	474	14			480	705	422	780	100	200	200	530		

Source	Individual Identification	Age	Age_binar y	Original ID	Sex	Unified_ID	LT	CB L	B L	S SL	PREP RO	BAC R	B A F	M FL	L N	L R	L P	A CI	G LN	M PL	O PL	LL PR M AX	L C H E E	L M R	LP R E M	G L O R	G H O R	G M B O O	G B O C	G B P P	G B F M	H F M	G B B C	L F B O	G B A O	L B B O	Z Y B	G B N	G B P M	B N U C R
Sandoval et al 2023	T273_Sgo	adult	2	gouazoubira		gouazoubira	171.25	165.7	152.6	100.93	50.13								45.72		80.93	41.09				30.95	29.47	71.18	32.63	51.59	15.62			44	60.51	43.29	69.51	17.11	27.4	52.25
Sandoval et al 2023	T354_Sgo	sub	1	gouazoubira		gouazoubira	163.67	155.12	140.97	94.27	49.6								43.5		66.53	38.91	46.34	25.6	21.9	37.8	52.9	24.9	45.7	13.2			46.6	53.8	42.9	67.9	15.3	17.0	47.6	
Sandoval et al 2023	T389_Sgo	sub	1	gouazoubira		gouazoubira	160.52	152.19	141.38	82.58	56.38								49.3		80.71	47.99	54.77	31.2	24.6	53.6	36.7	50.1	13.5			48.1	73.1	41.6	71.5	21.0	24.1	54.0		
Sandoval et al 2023	NRM-MA 620394 Holotype	adult	2	gouazoubira		gouazoubira		172.9	162.1	107.53	54.93								43.9		75.01	45.44	54.33	32.5	34.8	58.72	31.1	54.2	13.3			52.2	57.7	42.7	73.6	29.4	23.1	55.9		