

S4 Appendix. Genetic distances

A comparative approach for species delimitation based on multiple methods of multi-locus DNA sequence analysis: a case study of the genus *Giraffa* (Mammalia, Cetartiodactyla)

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Table A. Minimum and maximum pairwise distances (in %), as well as mean distance (between brackets), calculated using the mtDNA-GH82 dataset (1742 nucleotides, *Cytb* and partial control region) both within and between the ten main haplogroups (I-X).

Taxa	I.	II.	III.	IV.	V.	VI.	VIIa.	VIIb	VIII.	IX.	X.
I. Northern haplogroup (N) ^a	2.19										
II. <i>G. camelopardalis</i> sensu stricto B	NA	1.86									
III. <i>G. reticulata</i> ^a	NA	1.29-2.19 (1.67)	1.16								
IV. <i>G. camelopardalis</i> sensu stricto C	NA	NA	0.06-2.06 (1.59)	1.73							
V. <i>G. peralta</i>	NA	NA	1.41-2.19 (1.73)	1.2-1.86 (1.4)	0.26						
VI. Eastern haplogroup ^b	3.34-4.56 (3.96)	3.34-4.56 (3.94)	3.58-4.37 (3.98)	1.65-4.56 (3.79)	3.69-4.43 (4.0)	1.47					
VIIa Masai I	3.58-4.56 (4.05)	3.58-4.56 (4.05)	3.7-4.37 (4.05)	3.34-4.37 (3.85)	3.69-4.12 (3.94)	NA	0.47				
VIIb Masai II	3.34-4.37 (3.89)	3.34-4.37 (3.87)	3.58-4.31 (3.93)	3.58-4.56 (4.03)	3.81-4.43 (4.11)	NA	0.77-1.47 (1.09)	0.1			
VIII. Southeastern haplogroup	3.96-4.69 (4.39)	3.96-4.69 (4.4)	4.0-4.57 (4.37)	4.11-4.69 (4.49)	3.69-4.43 (4.0)	1.17-2.12 (1.52)	1.18-2.12 (1.56)	1.17-1.92 (1.49)	0.58		
IX. Haplogroup E (VI. + VIII.)	3.34-4.69 (4.16)	3.34-4.69 (4.16)	3.58-4.57 (4.16)	3.34-4.69 (4.16)	3.69-4.69 (4.23)	NA	NA	NA	NA	2.11	
X. Southwestern haplogroup (S)	3.28-4.57 (3.87)	3.28-4.57 (3.82)	3.53-4.57 (3.97)	3.28-4.57 (3.82)	3.47-4.37 (3.83)	2.51-3.66 (2.9)	2.58-3.66 (2.97)	2.51-3.47 (2.86)	2.82-3.8 (3.27)	2.51-3.8 (3.07)	0.96

Roman numerals: respective taxon; NA: not applicable; **boldface**: maximal intrapopulation variation; ^a: excluding the individuals RET8 and RET9; ^b: excluding the individual TIP15.

Table B. Minimum and maximum pairwise distances (in %), as well as mean distance (between brackets) calculated from the nuDNA-G137 dataset (16966 nucleotides) both within and between the nine main taxa (I-IX).

Taxa	I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.
I. <i>G. camelopardalis</i> sensu stricto A	0.27								
II. <i>G. camelopardalis</i> sensu stricto B	NA	0.13							
III. <i>G. reticulata</i>	NA	0.02-0.27 (0.14)	0.12						
IV. <i>G. camelopardalis</i> sensu stricto C	NA	NA	0.02-0.2 (0.14)	0.1					
V. <i>G. peralta</i>	NA	NA	0.04-0.27 (0.14)	0.01-0.1 (0.07)	0.1				
VI. <i>G. tippelskirchi</i>	0.3-0.54 (0.43)	0.37-0.54 (0.44)	0.3-0.5 (0.4)	0.37-0.54 (0.45)	0.37-0.51 (0.44)	0.07			
VII. <i>G. camelopardalis</i> s.s. A + <i>G. tippelskirchi</i>	NA	NA	NA	NA	NA	NA	0.54		
VIII. <i>G. giraffa</i>	0.35-0.62 (0.51)	0.41-0.62 (0.52)	0.35-0.55 (0.47)	0.45-0.62 (0.53)	0.41-0.58 (0.51)	0.27-0.44 (0.35)	0.27-0.62 (0.47)	0.14	
IX. Southern giraffes	0.33-0.62 (0.5)	0.37-0.62 (0.5)	0.33-0.55 (0.46)	0.37-0.62 (0.51)	0.37-0.58 (0.5)	NA	NA	NA	0.44

Roman numerals: respective taxon; NA: not applicable; **boldface**: maximal intraspecific variation