



Morphometric characterization of the indigenous goats of Odisha, India

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Supplementary Table 1. Importance components of canonical discriminant analysis in the present study

Function	Canonical correlation	Eigen value			Wilk's lambda value	Chi-square value	Pr>F
		Eigenvalue	Proportion (%)	Cumulative (%)			
CAN 1	0.921	5.627	50.9	50.9	0.011	1088.076	< .0001
CAN 2	0.870	3.118	28.2	79.1	0.073	631.364	< .0001
CAN 3	0.836	2.317	20.9	100.0	0.301	289.559	< .0001

Supplementary Table 2. Classification results of canonical discriminant analysis for goat populations

Goat population		Predicted group membership				Total	
		Black Bengal	Ganjam	Bolangir	Raighar		
Original	Count	Black Bengal	72	1	1	1	75
		Ganjam	0	69	0	1	70
		Bolangir	0	2	46	0	48
		Raighar	0	0	0	55	55
Original	%	Black Bengal	96.0	1.3	1.3	1.3	100.0
		Ganjam	0.0	98.6	0.0	1.4	100.0
		Bolangir	0.0	4.2	95.8	0.0	100.0
		Raighar	0.0	0.0	0.0	100.0	100.0

Supplementary Table 3. Confusion matrix (train data) classification results of random forest analysis

Goat population	Black Bengal	Bolangir	Ganjam	Raighar	Class error
Black Bengal	49	2	0	0	0.039
Bolangir	0	36	1	0	0.027
Ganjam	0	1	50	0	0.020
Raighar	1	1	0	40	0.048

Supplementary Table 4. Confusion matrix (test data) classification results of random forest analysis

Goat population	Black Bengal	Bolangir	Ganjam	Raighar	Class error
Black Bengal	23	0	1	0	0.042
Bolangir	0	11	0	0	0.000
Ganjam	0	0	19	0	0.000
Raighar	0	0	0	13	0.000