

Supplementary material

Stock delineation of the long-whiskered catfish, *Sperata aor* (Hamilton 1822), from River Ganga by using morphometrics

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Table S1. Wilk's lambda test for verifying differences among stocks of *Sperata aor* with morphometric measurements, using canonical discriminant function analysis

Test of function(s)	Wilk's lambda	χ^2	d.f.	P
1 through 3	0.016	779.545	57	<0.001
2 through 3	0.157	346.665	36	<0.001
3	0.472	140.604	17	<0.001

Table S2. Contribution of morphometric measurements to the discriminant functions for *Sperata aor*

Character	DFI	DFII	DFIII
PFL	0.386 ^A	-0.259	0.041
2-3	0.276 ^A	-0.199	0.085
HL	0.242 ^A	-0.118	0.025
2-4	0.236 ^A	0.021	-0.103
2-5	0.225 ^A	-0.176	-0.046
4-5	0.223 ^A	-0.17	-0.061
3-4	0.162 ^A	0.095	-0.017
5-7	0.134 ^A	0.019	-0.027
ED	0.12	-0.359 ^A	0.216
3-6	0.095	-0.331 ^A	0.308
DFL	0.228	-0.251 ^A	0.225
3-5	0.242	-0.125	-0.498 ^A
6-7	0.325	-0.095	-0.372 ^A
8-11	0.136	-0.077	0.267 ^A
12-13	0.073	0.101	-0.208 ^A
8-9	0.176	-0.203	-0.207 ^A
6-9	0.083	-0.198	0.198 ^A

^AHighest absolute correlation between each variable and any discriminant function

Table S3. Percentage of individuals classified to their original population using classification results of the discriminant function analysis based on the truss morphometry

Percentages of correct classification are written in bold and the corresponding number of individuals are in parentheses

Site	Narora	Kanpur	Varanasi	Bhagalpur	Total
Narora	86 (43)	10 (5)	0 (0)	4 (2)	100 (50)
Kanpur	22 (11)	74 (37)	4 (2)	0 (0)	100 (50)
Varanasi	0 (0)	4 (2)	96 (48)	0 (0)	100 (50)
Bhagalpur	5 (1)	0 (0)	0 (0)	100 (50)	100 (50)

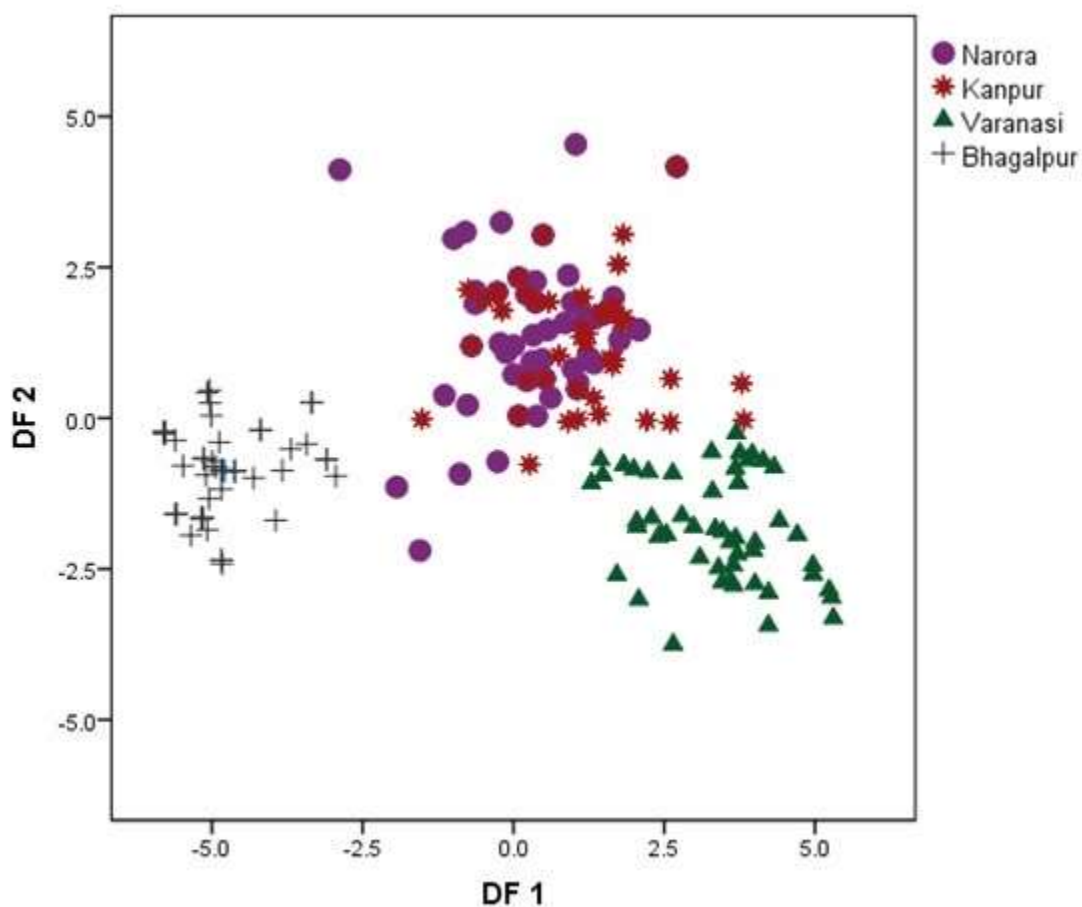


Fig. S1. Scatterplot of the first two canonical discriminant scores summarising variations in morphometric measurements of *Sperata aor* among Narora, Kanpur, Varanasi and Bhagalpur sampling sites of River Ganga.