Sternarchorhynchus cf. curvirostris	7	0.4–4.1	5.0–16.4	2 female, 5 N.D.
Sternarchorhynchus cf. roseni	8	7.6–17.1	15-20	1 female, 2 male, 5 N.D.
Parapteronotus hasemani (Peru)	10	2.7-17.7	9.1-16.8	2 female, 2 male, 6 N.D.
Parapteronotus hasemani (Brazil)	4	2.6-12.4	11.3-21.5	1 female, 1 male, 2 N.D.
'Apteronotus' bonapartii	10	10.6-64.7	13-32	4 female, 6 male

N.D.=not determined; sex of some individuals was not determined because they were not morphologically sexually dimorphic and the fish were either not sacrificed to determine sex or the fish died and the sex was not determined at the time

1 0

Table S1. *Size and sex of subjects* Mass (g)

1	1.0
9	3.4-30.9
1	39.2
7	3.0-6.2
2	1.7-3.2
	9 1 7 2

N

10

Species

'Antaranatus' n en P

Sternarchella terminalis

of death.

Adontosternarchus balaenops

3.4-30.9	11.9-24.0	4 female, 2 male, 3 N.D.
39.2	27	N.D.
3.0-6.2	9.8-13.0	1 male, 6 N.D.
1.7-3.2	10.6-10.7	N.D.
0.5 - 3.4	5.5-11.7	N.D.
3.5-11.75	11.1–16.4	3 female, 2 male, 5 N.D.

Length (cm)

Sex

N.D.

Table S2. Contributions of EOD, chirp and GFR factors to discriminant function analysis Partial Wilks Lambda F-to-remove

1 detoi	Turtur Wilks Eurifoau	1 to remo
Chirp factor 1	0.126	31.44***
EOD factor 1	0.133	29.73***
EOD factor 2	0.155	24.71***
Chirp factor 2	0.319	9.72***
Chirp factor 6	0.404	6.70**
EOD factor 3	0.426	6.12**
Chirp factor 4	0.453	5 48**

onirp factor 3	0.639
GFR factor 2	0.658
GFR factor 1	0.669
GFR factor 4	0.849
¹ Smaller Partial Wi	lks I ambda indicates stronger

aller Partial Wilks Lambda indicates stronger contribution to DFA model.

Factor

Chirp factor 5

GFR factor 3

0.519

0.616

4 22*

2 84*

0.80

²Degrees of freedom = (11,50). *** $P < 10^{-6}$: ** $P < 10^{-4}$: *P < 0.01.

him factor 3 2.56 2.37 2.25