

Supplementary Material

Baseline physiological data and enzymatic valorization of fishery waste for female *Odontesthes argentinensis* nutrition

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Table S1. Biological parameters of adult females *Odontesthes argentinensis* (n = 20).

Individual	Body weight (g)	Total length (cm)	Standard length (cm)	Liver weight (g)	Ovaries weight (g)	Muscle weight (g)
1	225	34	29	2.94	1.73	25.75
2	150	29	23.5	2.86	1.79	21.84
3	195	31	25.5	2.23	2.14	23.25
4	185	29	24.3	3.02	2.10	23.45
5	140	28.2	23.9	2.45	1.89	24.01
6	230	33.9	27.9	2.54	1.53	24.45
7	160	28.8	24.6	2.91	1.97	22.04
8	140	27.7	23	2.40	1.88	23.98
9	175	32	27.4	2.85	1.95	21.45
10	150	28.8	24.5	2.45	1.68	24.95
11	178	28.5	23.5	3.88	1.21	23.50
12	259	32	26	3.92	2.08	27.79
13	172	29	24	2.33	1.24	23.06
14	200	31	25	2.34	1.48	27.34
15	220	31	25.5	2.84	1.64	25.57
16	214	30.5	25.5	2.45	1.74	27.32
17	172	28.5	24	2.19	1.56	24.06
18	195	29.5	24	2.20	2.04	23.00
19	174	28	23	2.75	1.89	20.48
20	200	30	25	2.75	1.87	25.53

Mean ± SE	186.70 ± 7.17	30.02 ± 0.42	24.96 ± 0.36	2.72 ± 0.48	1.77 ± 0.27	24.14 ± 1.99
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Table S2. Total peptidase activity of stomachs at pH 2 and of intestine-ceca samples at pH 8 of fishes *Percophis brasiliensis* and *Urophycis brasiliensis* and midgut gland of crabs *Ovalipes trimaculatus*. Values indicate means and standard error (n = 15).

	Total peptidase activity (U ml ⁻¹)	
	pH2	pH8
<i>P. brasiliensis</i>	0.82 ± 0.15	2.35 ± 0.48
<i>U. brasiliensis</i>	0.58 ± 0.24	1.53 ± 0.47
<i>O. trimaculatus</i>	-	0.74 ± 0.11

Table S3. Summary of ANOVA and t-test results for each analyzed variable, including test statistics, degrees of freedom, and p-values. Oa: *Odontesthes argentinensis*; Pm: *Pleoticus muelleri*; Ot: *Ovalipes trimaculatus*.

Test	Analyzed variables	Statistic	df	p-value
ANOVA	Oa peptidase among different soybean meal treatments	3.596	5	0.0322
ANOVA	Antioxidant activity among different soybean meal treatments	12.82	5	0.00373
T	Oa Peptidase vs Oa + Pm Peptidase	-2.15	17.9	0.04
	Oa Peptidase vs Oa + Ot Peptidase	-2.89	17.9	0.0097
	Oa Lipase vs Oa + Pm Lipase	0.56	17.9	0.58
	Oa Lipase vs Oa + Ot Lipase	0.39	17.9	0.69