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Supplementary material

Prey amino acid composition affects rates of protein synthesis and N wastage of a freshwater carnivore

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Table S1. Ingredients used to produce experimental diets

The vitamin mixture was sourced from Sigma–Aldrich and contained: α-tocopherol (8 g kg^{-1}), asorbic acid (270 g kg^{-1}), biotin (0.020 g kg^{-1}), calcium pantothenate (1 g kg^{-1}), choline chloride (50 g kg^{-1}), folic acid (0.025 g kg^{-1}), inositol (20 g kg^{-1}), niacinamide (1 g kg^{-1}), pyridoxine HCl (0.025 g kg^{-1}), riboflavin (0.50 g kg^{-1}), thiamine HCl (0.025 g kg^{-1}), cyanocobalamin in mannitol (2 g kg^{-1}). The mineral mixture contained: $CaCO_4$ (336 g kg^{-1}), KH_2PO_4 (502 g kg^{-1}), and $MgSO_4 \cdot 7H_2O$ (162 g kg^{-1}) (Meyer 1989)

	Fish diet (g)	Shrimp diet (g)
L-Alanine	1.29	1.62
L-Glutamine	3.65	4.39
L-Isoleucine	1.55	1.34
L-Lysine HCl	2.37	2.69
L-Valine	1.69	1.50
L-Leucine	2.58	2.28
L-Aspartic acid	2.46	3.94
L-Proline	0.54	0.68
Glycine	1.61	2.42
L-Serine	1.65	1.34
L-Arginine	2.20	1.78
L-Threonine	1.79	1.39
L-Phenylalanine	2.08	1.78
L-Tyrosine	1.18	1.49
L-Methionine	1.18	0.89
L-Histidine	1.45	1.02
L-Cysteine	2.67	0.12
L-tryptophan	0.64	0.64
Gelatine	6.00	6.00
Chironomids	43.33	43.33
Fish oil	3.75	3.75
Wheat germ oil	3.75	3.75
Vitamin mixture	0.75	0.75
Mineral mixture	0.75	0.75
Water	9.17	9.17

References

Meyer, E. (1989). The relationship between body length parameters and dry mass in running water invertebrates. *Archiv für Hydrobiologie* **117**(2), 191–203.