

Eye fluke infection changes diet composition in juvenile European perch (*Perca fluviatilis*)

Supplementary Information

Jenny C. Vivas Muñoz ^{1,2} *, Christian K. Feld ^{3,4}, Sabine Hilt ^{1,2}, Alessandro Manfrin ^{3,5,6}, Milen Nachev ^{3,4}, Daniel Köster ⁷, Maik A. Jochmann ^{4,7}, Torsten C. Schmidt ^{4,7}, Bernd Sures ^{3,4}, Andrea Ziková ¹, Klaus Knopf ^{1,2}

¹ Leibniz-Institute of Freshwater Ecology and Inland Fisheries, Müggelseedamm 310, 12589 Berlin, Germany

² Faculty of Life Sciences, Humboldt University, Invalidenstrasse 42, 10115 Berlin, Germany

³ Aquatic Ecology, University of Duisburg-Essen, Universitätsstr. 5, 45141 Essen, Germany

⁴ Centre for Water and Environmental Research, University of Duisburg-Essen, Universitätsstr. 5, 45141 Essen, Germany

⁵ Environmental Campus Birkenfeld, University of Applied Sciences Trier, Post Box 1380, 55761 Birkenfeld, Germany

⁶ Institute for Environmental Sciences, University of Koblenz-Landau, Fortstrasse 7, 76829 Landau/Pfalz, Germany

⁷ Instrumental Analytical Chemistry, University of Duisburg-Essen, Universitätsstr. 5, 45141 Essen, Germany

E-mail addresses: vivas.munoz.jc@gmail.com (J.C. Vivas Muñoz), christian.feld@uni-due.de (C.K. Feld), hilt@igb-berlin.de (S. Hilt), manfrin@uni-landau.de (A. Manfrin), milen.nachev@uni-due.de (M. Nachev), daniel.koester@uni-due.de (D. Köster), maik.jochmann@uni-due.de (M.A. Jochmann), torsten.schmidt@uni-due.de (T.C. Schmidt), bernd.sures@uni-due.de (B. Sures), zikova@igb-berlin.de (A. Ziková), klaus.knopf@igb-berlin.de (K. Knopf).

Parasite species	Number of infected fish		Infection intensity (parasites per infected fish)	
	Low	High	Low	High
<i>Triaenophorus nodulosus</i>	1		1	
<i>Camallanus</i> sp.		1		1
<i>Proteocephalus percae</i>		1		2
<i>Bunodera luciopercae</i>		3		1.3
<i>Anguillicola crassus</i> (L3)	1		1	
<i>Ichthyocotylurus</i> sp.	9	9	9	5.3

Table S1. Macro-endoparasites infecting YOY perch (*Perca fluviatilis*) sampled at the northern shore of Lake Müggelsee in 2016 and selected for the stable isotope analysis (SIA). Fish are divided in two categories (each with a total number of 11 individuals) based on eye fluke infection intensity: low infection intensity (**Low**) = 5 ± 3 metacercariae per fish (average \pm SD) and high infection intensity fish (**High**) = 39 ± 13 metacercariae per fish (average \pm SD).