

Supplementary material

Appendix 1

Data on the presence/absence of metazoan parasite species in different stickleback populations from Eurasia and North America, along with information about each locality

Colours denote different parasite taxonomic groups.

Locality information is given to the right of the matrix.

Data matrices for Eurasia, NE North America and NW North America are presented on different sheets.

Download <E6826Appendix1.xls>.

Appendix S2

Data on the abundance (mean number of individual parasites per host) of metazoan parasite species in different stickleback populations from Eurasia and North America, along with information about each locality

Colours denote different parasite taxonomic groups.

Locality information is given to the right of the matrix.

Data matrices for Eurasia and NE North America are presented on different sheets.

Download <E6826Appendix2.xls>.

Appendix S3

List of published sources of data on the occurrence or abundance of metazoan parasite species in different stickleback populations from Eurasia and North America.

Chappell, L. H. 1969. The parasites of the three-spined stickleback *Gasterosteus aculeatus* L. from a Yorkshire pond. II. Variation of the parasite fauna with sex and size of fish. – J. Fish Biol. 1: 339–347.

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Hanek, G. and Threlfall, W. 1970. Parasites of the threespine stickleback (*Gasterosteus aculeatus*) in Newfoundland and Labrador. – J. Fish. Res. Board Can. 27: 901–907.

Hanek, G. and Molnar, K. 1974. Parasites of freshwater and anadromous fishes from Matamek River system, Quebec. – J. Fish. Res. Board Can. 31: 1135–1139.

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Højgaard, D. P. et al. 2008. Parasites of three-spined stickleback, *Gasterosteus aculeatus* L., from Faroe Islands. – Frøðskaparrit 56: 150–162.

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Kalbe, M. et al. 2002. Dispersion patterns of parasites in 0+ year three-spined sticklebacks: a cross population comparison. – J. Fish Biol. 60: 1529–1542.

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Lester, R. J. G. 1974. Parasites of *Gasterosteus aculeatus* near Vancouver, British Columbia. – Syesis 7: 195–200.

Levsen, A. 1992. Parasites of the three-spined stickleback *Gasterosteus aculeatus* from Norway, with emphasis on trichodinid ciliates. – Fauna 45: 40–48.

MacColl, A. D. C. 2009. Parasite burdens differ between sympatric three-spined stickleback species. – Ecography 32: 153–160.

Marcogliese, D. M. 1992. Metazoan parasites of sticklebacks on Sable Island, Northwest Atlantic Ocean: biogeographic considerations. – J. Fish Biol. 41: 399–407.

Mitenev, V. K. and Shulman, B. S. 2005. Parasite fauna in sticklebacks (Gasterosteidae) from water bodies of the Kola region. – Parasitologia 39: 16–24, in Russian with English abstract.

Morozińska-Gogol, J. (1999) Dynamics of select parasite infestation of the three-spined stickleback in dependence on the place of catching in the southern Baltic. – Baltic Coastal Zone 3: 77–88.

Morozińska-Gogol, J. 2006. A checklist of parasites recorded on sticklebacks (Actinopterygii: Gasterosteidae) from Poland. – Parasitol. Int. 55: 69–73.

Peddle, J. 2000. Can parasites be used to determine the post-glaciation migratory path of the three-spined stickleback (*Gasterosteus aculeatus*)? – Honors thesis, Univ. of New Brunswick at Saint John, Saint John.

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