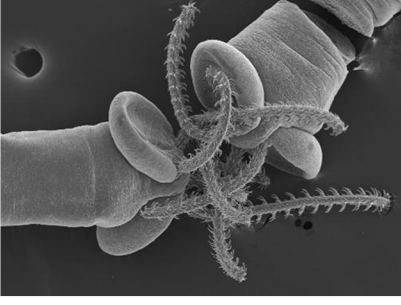
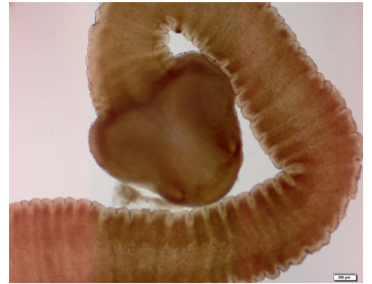
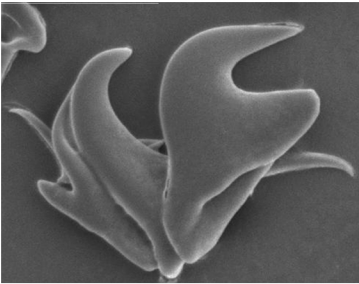


CHECKLIST OF MARINE, FRESHWATER, AND AQUARIUM FISH PARASITES IN TURKEY



Ahmet ÖZER

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Cover photos: ©Ahmet ÖZER, First line on top - Larval *Grillotia erinaceus* (SEM) (left), Clamps of *Paradiplozoon homoion* (SEM) (middle), Proboscis of an acanthocephalan (SEM) (right); second line – *Nerocila bivittata*; third line – A larval nematode (SEM); fourth line – *Trichodina lepsii*, bottom line – Hooks from larval *Grillotia erinaceus* (SEM) (left), *Kudoa nilüferi* (middle), Scolex of *Bothriocephalus acheilognathi* (right)

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PREFACE

In recent years, parasites have become more visible in the fish-farming sector causing huge damages to the farmed fish. To collect, identify, and find a remedy for parasites is one of the key issues in the fish-farming industry. This book “Checklist of Marine, Freshwater, and Aquarium Fish Parasites in Turkey” is, therefore, truly a great reference book most wanted due to such growing demands of the aquaculture industry.

The aquarium industry is also growing in Turkey, however, there is almost no appropriate reference book for aquarists.

Due to a variety of reasons, such as climate change, an increasing number of parasite species has been observed in marine aquatic environment. This book will fill the gap of parasitology in general in Turkey, particularly Turkish aquaculture industry and science.

I congratulate Prof. Ahmet ÖZER for his invaluable contribution to the parasitology, aquatic science and aquaculture industry.

As a head of Turkish Marine Research Foundation, I am proud of publishing this book to help scientists, conservation and fisheries community better understand parasites in our waters.

27 December 2021
Prof. Dr. Bayram ÖZTÜRK
Head of Turkish Marine Research Foundation

ABSTRACT

This checklist provides all reported informations in published articles, symposium abstracts or full published presentations in any symposiums or congresses as well as books on marine, freshwater and aquarium fish parasites from materials investigated in Turkey by the end of 2020 in Turkey. All data belonging to each group are presented in the form of parasite-host and host parasite lists. The total parasite-host fish list (marine, freshwater, aquarium) includes 515 named species of parasites and 111 parasites not identified to species level. On the other hand, the total host-parasite list (marine, freshwater, aquarium) includes 273 named species of fish and 23 fish species identified to genus level only. The parasite species reported from all fish from different environment have been allocated to higher taxa and divided into 5 subsections; marine, freshwater, cultured marine fish, cultured freshwater fish and aquarium fish. Details from parasite host lists are provided below;

- 1) The number of parasites species reported from MARINE FISHES are 326 at species level and 75 at genus level and these are belonging to the higher taxa as follows: CILIOPHORA – 19, MYZOOZOA – 3, MONOGENEA – 59, TREMATODA – 105, CESTODA – 33, NEMATODA – 36, ARTHROPODA – 89, CNIDARIA – 35, MICROSPORIDIA -1, ACANTHOCEPHALA – 14, ANNELIDA – 5, MOLLUSCA – 1.
- 2) The number of parasite species reported from FRESHWATER FISHES are 186 at species level and 56 at genus level and these are belonging to above mentioned taxa as follows: CILIOPHORA – 18, MYZOOZOA – 2, MONOGENEA – 89, TREMATODA – 35, CESTODA – 30, NEMATODA – 21, ACANTHOCEPHALA – 13, ARTHROPODA – 13, ANNELIDA – 9, MOLLUSCA – 2, CNIDARIA – 3, CHOANOZOA – 1, EUGLENOZOA - 6.
- 3) The number of parasites species reported from CULTURED MARINE FISHES are 29 at species level and 15 at genus level and these are belonging to the higher taxa as follows: CILIOPHORA – 9, MYZOOZOA – 2, EUGLENOZOA – 2, METAMONADA – 1, MONOGENEA – 10, ARTHROPODA – 10, CNIDARIA – 1.
- 4) The number of parasite species reported from CULTURED FRESHWATER FISHES are 28 at species level and these are belonging to above mentioned taxa as follows: CILIOPHORA – 17, EUGLENOZOA – 2, METAMONADA – 2, MONOGENEA – 9, TREMATODA – 2, CESTODA – 2, NEMATODA – 3, MYZOOZOA – 1, ARTHROPODA – 2, ACANTHOCEPHALA – 1.
- 5) The number of parasite species reported from AQUARIUM FISHES are 16 at species level and 21 at genus level and these are belonging to above mentioned taxa as follows: CILIOPHORA – 14, EUGLENOZOA – 2, METAMONADA – 1, MYZOOZOA – 1, MONOGENEA – 8, TREMATODA – 2, NEMATODA – 3, ARTHROPODA – 4, ANNELIDA – 1, CNIDARIA – 1, MICROSPORIDIA – 1.

The Parasite-Host List also provides information for each parasite species on their synonyms provided by major sources such as World Register of Marine Species (WoRMS), the microhabitat which corresponds to the site of infection in or on its host(s), the species of host(s) infected, the location where host fish were collected (the Black Sea, Sea of Marmara, Aegean Sea, the Mediterranean Sea, lagoon, delta, etc.) and the published sources for each host and locality record. All citations are illustrated in parentheses after the author names who reported them.

On the other hand, the Host-Parasite List is organized according to the taxonomy of the hosts which includes their name in English language, their synonyms and the list of parasites reported according to their higher taxonomy.

Studies on the parasite fauna and their impacts on host fishes have gained a momentum in the last 20 years in Turkey. Most of the early studies provided information about their distribution both on their wild hosts distributed to marine, brackish and freshwater environments. However, due to increased interest to culturing fish in both freshwater and marine environments and the obtained successful production also received attention on their host-parasite interactions. Aquarium fish culture is also another growing sector in Turkey and studies on the parasite fauna of these fishes increased providing more data about their interactions. So, this parasite-host checklist provides the first comprehensive and up to date data on the current parasite fauna of marine, freshwater, cultured marine and freshwater fish as well as aquarium fish in Turkey. However, considering more than 900 fish species reported from Turkey in Fishbase.org and the number of fish (273) that was subject to any parasitological research, it is clear that more studies are required to reveal whole parasite-host list in Turkey.

INTRODUCTION

Parasites are among the most diverse aquatic organisms and understanding their interactions with host fishes has been a significant issue for both conservation of wild fish species and success on fish culture. According to current literature, studies on marine fish parasites goes back to 1950's while the oldest publications on freshwater fish were in 1970's. Following the fish culture activities in inland and marine waters in 1990's, parasitological investigations have gained a momentum and, thus, more studies reporting parasite-host interactions have been published. Aquarium fish trade is another growing sector for hobbyist and fish transportations have resulted parasites to be allocated in different geographical localities outside their native ranges. Due to such fisheries related activities, we have faced with more fish diseases which were inflicted by parasites in the last 4-5 decades and more and more new parasite discoveries have been reported every year from freshwater, marine and aquarium environments worldwide. Thus, it is important to collect and gather together the current literature on fish parasites is a need for better understanding of their distribution and host-parasite interactions in Turkey and in the world.

The Parasite-Host List is a taxonomically arranged listing of all parasites reported from the marine, freshwater and aquarium fishes of Turkey. The higher classification is used according to databasis of World Register of Marine Species (WoRMS) available from <https://www.marinespecies.org>, National Center for Biotechnology Information, U.S. National Library of Medicine, available from <https://www.ncbi.nlm.nih.gov> and The Global Biodiversity Information Facility (GBIF) available from <https://gbif.org>.

The Parasite-Host Lists organised for each of marine, freshwater and aquarium fishes contain information for all parasite species reported from the fishes of Turkey. For each parasite, the currently recognized scientific name along with authors and dates, and any synonyms under which original records appeared are given. Later, microhabitat (gills, skin, mesentery, liver etc.) where the parasite occupies at any stage of development in or out of the host fish. Under Hosts, the hosts by their currently recognized scientific names generally in accordance with Froese and Pauly (2021) are listed according to reference number which are given in parentheses reporting for each parasite from the host. The Locality provides a summary of the reported distribution of the parasite in Turkey, given by major waterbody such as sea, river, stream and the reference numbers are provided in parentheses after the name of the locality. Under Records are given the author names who made reports with numbered individual references containing the parasite records.

The Host-Parasite List is organized following the classification of Froese and Pauly (2021). For each host, the currently recognized scientific name, including

species author(s), followed by any synonyms under which original parasite records were made and the English common name of each fish species are provided. Later, all parasite species belonging to any higher taxa are given one under the other together with reference number in parentheses. Some fish host species reported from either marine or freshwater environment are provided in both host-parasite lists.

A Parasite Index and a Host Index is also provided at the end of this comprehensive book.

Turkey has a unique geographical location in the world with a very long coastline with over 8000 km in length and is surrounded by sea on three sides the Black Sea, Aegean Sea and the Mediterranean Sea. The territorial water of Turkey, the Marmara Sea, includes the Istanbul (Bosphorus) and Çanakkale (Dardanelles) Straits. Turkey also has a wide range of freshwater sources such as rivers, lakes, streams etc which inhabit very diverse fish species. According to Froese and Pauly (2021), a total of 559 marine and 401 freshwater fish species have currently been reported from above mentioned sources. This database also reports that a total of 82 introduced, 54 endemic and 154 threatened fish species are also present in Turkey. We can easily come into a conclusion that above-mentioned water source diversity also makes the possibility of high numbers of occurring parasites species diversity in or on host fishes possible. So, this book is intended to provide a comprehensive and up to date checklist of parasites on or in either wild or cultured host fishes reported from all geographical localities of Turkey. It is clear that considering the currently lower numbers of fish species subjected to any parasitological investigations, in the future, more updated publications will be published as the numbers of parasitological investigation on more fish species are conducted. However, this book at its current form will provide all required information for further studies and will be a database for all interested in parasite-host interactions not only in Turkey but also in the world.

PARASITE – WILD MARINE FISH HOST LIST

PHYLUM CILIOPHORA

CLASS

OLIGOHYMENOPHOREA

SUBCLASS PERITRICHIA

ORDER SESSILINA

FAMILY SCYPHIDIIDAE

Ambiphrya sp.

Synonym: -

Microhabitat: Skin, gills

Host: *Platichthys flesus*⁽¹⁾⁽²⁾

Location: Black Sea, Sinop Sarıkum Lagoon⁽¹⁾⁽²⁾

Record: Öztürk and Özer (2008)⁽¹⁾, Öztürk and Özer (2010)⁽²⁾

Apiosoma sp.

Synonym: -

Microhabitat: Skin, gills, fins

Host: *Neogobius melanostomus*⁽³⁾⁽⁴⁾, *Chelon auratus*⁽³⁾⁽⁴⁾

Location: Black Sea, Sinop Sırakaraağaçlar Stream⁽³⁾⁽⁴⁾

Record: Ünsal (2008)⁽³⁾, Özer and Ünsal (2009)⁽⁴⁾

Riboscyphida sp.

Synonym: -

Microhabitat: Skin, gills, fins

Host: *Platichthys flesus*⁽¹⁾⁽²⁾

Location: Black Sea, Sinop Sarıkum Lagoon⁽¹⁾⁽²⁾

Record: Öztürk and Özer (2008)⁽¹⁾, Öztürk and Özer (2010)⁽²⁾

Scyphida sp.

Synonym: -

Microhabitat: Skin, gills

Host: *Neogobius melanostomus*⁽³⁾⁽⁴⁾, *Chelon auratus*⁽⁴⁾, *Ophidion rochei*⁽⁵⁾

Location: Black Sea⁽⁵⁾, Sinop Sırakaraağaçlar Stream⁽³⁾⁽⁴⁾

Record: Ünsal (2008)⁽³⁾, Özer and Ünsal (2009)⁽⁴⁾, Özer (2020)⁽⁵⁾

Vorticella sp.

Synonym: -

Microhabitat: Skin, gills

Host: *Platichthys flesus*⁽¹⁾⁽²⁾

Location: Black Sea, Sinop Sarıkum Lagoon⁽¹⁾⁽²⁾

Record: Öztürk and Özer (2008)⁽¹⁾, Öztürk and Özer (2010)⁽²⁾

ORDER MOBILINA FAMILY TRICHODINIDAE

Trichodina claviformis Dobberstein & Palm, 2000

Synonym: -

Microhabitat: Gills

Host: *Merlangius merlangus*⁽⁶⁾⁽⁷⁾

Location: Black Sea⁽⁶⁾⁽⁷⁾

Record: Ögüt and Palm (2005)⁽⁶⁾, Ögüt and Altuntaş (2011)⁽⁷⁾

Trichodina domerguei Wallengren, 1897

Synonym: -

Microhabitat: Skin, gill, fins

Host: *Platichthys flesus*⁽¹⁾⁽²⁾, *Gasterosteus aculeatus*⁽⁸⁾, *Neogobius melanostomus*⁽⁹⁾, *Merlangius merlangus*⁽¹⁰⁾, *Sparus aurata*⁽¹⁴⁾, *Neogobius fluviatilis*⁽¹¹⁾, *Pomatoschistus marmoratus*⁽¹¹⁾, *Mullus barbatus*⁽¹²⁾⁽¹³⁾, *Dicentrarchus labrax*⁽¹⁴⁾

Location: Black Sea⁽⁹⁾⁽¹⁰⁾⁽¹²⁾⁽¹³⁾, Sinop Sarıkum Lagoon⁽¹⁾⁽²⁾, Samsun Kızılırmak Delta Bafra Fish Lakes⁽¹¹⁾; Mediterranean Sea, Adana Hurmaboğazı Lagoon⁽¹⁴⁾

Record: Öztürk and Özer (2008)⁽¹⁾, Öztürk and Özer (2010)⁽²⁾, Özer (2003)⁽⁸⁾, Özer (2003)⁽⁹⁾, Özer *et al.* (2012)⁽¹⁰⁾, Öztürk and Çam (2013)⁽¹¹⁾, Öztürk and Yeşil (2014)⁽¹²⁾, Öztürk and Yeşil (2019)⁽¹³⁾, Canlı (2010)⁽¹⁴⁾

Trichodina gobii Raabe, 1959

Synonym: -

Microhabitat: Gills

Host: *Merlangius merlangus*⁽¹⁵⁾⁽¹⁶⁾⁽¹⁷⁾

Location: Black Sea⁽¹⁵⁾⁽¹⁶⁾⁽¹⁷⁾

Record: Özer *et al.* (2015)⁽¹⁵⁾, Özer *et al.* (2015)⁽¹⁶⁾, Özer *et al.* (2015)⁽¹⁷⁾

***Trichodina heterodontata* Duncan, 1977**

Synonym: *Trichodinella heterodontata* (Duncan, 1977)

Microhabitat: Gills

Host: *Neogobius fluviatilis*⁽¹¹⁾⁽¹⁸⁾, *Pomatoschistus marmoratus*⁽¹¹⁾⁽¹⁸⁾, *Proterorhinus marmoratus*⁽¹¹⁾⁽¹⁸⁾

Location: Black Sea, Samsun Kızılırmak Delta Bafra Fish Lakes⁽¹¹⁾⁽¹⁸⁾

Record: Öztürk and Çam (2013)⁽¹¹⁾, Özer and Öztürk (2015)⁽¹⁸⁾

***Trichodina jadrana* Raabe, 1958**

Synonym: *Trichodina domerguei* f. *jadrana* Raabe, 1958, *Trichodina domerguei* f. *gobii* Raabe, 1959, *Trichodina domerguei gobii* Haider, 1965, *Trichodina domerguei jadrana* Haider, 1964, *Trichodina domerguei* f. *pleuronectes* sensu Raabe, 1958, *Trichodina jadrana armeniensis* Grigoryan & Shtein, 1981

Microhabitat: Gills

Host: *Platichthys flesus*⁽¹⁾⁽²⁾

Location: Black Sea, Sinop Sarıkum Lagoon⁽¹⁾⁽²⁾

Record: Öztürk and Özer (2008)⁽¹⁾, Öztürk and Özer (2010)⁽²⁾

***Trichodina lepsi* Lom, 1962**

Synonym: -

Microhabitat: Gills

Host: *Mugil cephalus*⁽¹²⁾⁽¹⁹⁾⁽²²⁾⁽²⁴⁾, *Chelon auratus*⁽¹²⁾⁽¹⁹⁾⁽²⁰⁾⁽²¹⁾⁽²³⁾

Location: Black Sea⁽¹⁹⁾, Sinop Sarıkum Lagoon⁽²⁰⁾⁽²³⁾, Samsun Kızılırmak Delta Bafra Fish Lakes⁽¹²⁾⁽²¹⁾⁽²²⁾⁽²⁴⁾

Record: Özer and Öztürk (2015)⁽¹⁸⁾, Özer and Öztürk (2004)⁽¹⁹⁾, Öztürk and Özer (2009)⁽²⁰⁾, Özer and Yılmaz Kırca (2013)⁽²¹⁾, Özer and Yılmaz

Kırca (2015)⁽²²⁾, Öztürk (2013)⁽²³⁾, Özer *et al.* (2016)⁽²⁴⁾

***Trichodina ovonucleata* Raabe, 1958**

Synonym: -

Microhabitat: Gills

Host: *Mullus barbatus*⁽¹³⁾

Location: Black Sea⁽¹³⁾

Record: Öztürk and Yeşil (2019)⁽¹³⁾

***Trichodina puytoraci* Lom, 1962**

Synonym: -

Microhabitat: Gills, skin, fins

Host: *Merlangius merlangus*⁽⁶⁾⁽⁷⁾⁽²⁵⁾, *Mugil cephalus*⁽¹⁹⁾⁽²²⁾⁽²⁴⁾, *Chelon auratus*⁽¹²⁾⁽¹⁹⁾⁽²⁰⁾⁽²¹⁾⁽²³⁾

Location: Black Sea⁽⁶⁾⁽⁷⁾⁽¹⁹⁾⁽²⁵⁾, Sinop Sarıkum Lagoon⁽²⁰⁾⁽²³⁾, Samsun Kızılırmak Delta Bafra Fish Lakes⁽¹²⁾⁽²¹⁾⁽²²⁾⁽²⁴⁾

Record: Ögüt and Palm (2005)⁽⁶⁾, Ögüt and Altuntaş (2011)⁽⁷⁾, Özer and Öztürk (2015)⁽¹⁸⁾, Özer and Öztürk (2004)⁽¹⁹⁾, Öztürk and Özer (2009)⁽²⁰⁾, Özer and Yılmaz Kırca (2013)⁽²¹⁾, Özer and Yılmaz Kırca (2015)⁽²²⁾, Öztürk (2013)⁽²³⁾, Özer *et al.* (2016)⁽²⁴⁾, Çavuş (2011)⁽²⁵⁾

***Trichodina tenuidens* Faure-Fremiet, 1944**

Synonym: -

Microhabitat: Gills, skin

Host: *Gasterosteus aculeatus*⁽⁸⁾⁽¹⁸⁾

Location: Black Sea, Sinop Sırakaraağaçlar Stream⁽⁸⁾, Samsun Kızılırmak Delta Bafra Fish Lakes⁽¹⁸⁾

Record: Özer (2003)⁽⁸⁾, Özer and Öztürk (2015)⁽¹⁸⁾

***Trichodina* sp.**

Synonym: -

Microhabitat: Gills, skin

Host: *Chelon auratus*⁽³⁾⁽⁴⁾, *Neogobius melanostomus*⁽³⁾, *Merlangius merlangus*⁽⁷⁾⁽²⁵⁾⁽²⁷⁾, *Mullus barbatus*⁽¹²⁾, *Belone belone*⁽²⁶⁾,

Location: Black Sea⁽⁷⁾⁽¹²⁾⁽²⁵⁾⁽²⁶⁾⁽²⁷⁾,
Sinop Sırakaraağaçlar Stream⁽³⁾⁽⁴⁾,
Record: Ünsal (2008)⁽³⁾, Özer and
Ünsal (2009)⁽⁴⁾, Ögüt and Altuntaş
(2011)⁽⁷⁾, Öztürk and Yeşil (2014)⁽¹²⁾,
Özer and Yurakhno (2013)⁽²⁶⁾, Çavuş
(2011)⁽²⁵⁾, Yaman (1997)⁽²⁷⁾

***Paratrichodina corlissi* Lom &
Haldar, 1977**

Synonym: -
Microhabitat: Gills
Host: *Neogobius fluviatilis*⁽¹¹⁾⁽¹⁸⁾,
Pomatoschistus marmoratus⁽¹¹⁾⁽¹⁸⁾
Location: Black Sea, Samsun
Kızılırmak Delta Bafra Fish
Lakes⁽¹¹⁾⁽¹⁸⁾
Record: Öztürk and Çam (2013)⁽¹¹⁾,
Özer and Öztürk (2015)⁽¹⁸⁾

***Paratrichodina* sp.**

Synonym: -
Microhabitat: Gills
Host: *Mullus barbatus*⁽¹²⁾
Location: Black Sea⁽¹²⁾
Record: Öztürk and Yeşil (2014)⁽¹²⁾

***Paratrichodina obliqua* Lom 1963**

Synonym: -
Microhabitat: Gills
Host: *Mullus barbatus*⁽¹³⁾
Location: Black Sea⁽¹³⁾
Record: Öztürk and Yeşil (2019)⁽¹³⁾

**CLASS PROSTOMATEA
ORDER PRORODONTIDA
FAMILY HOLOPHRYIDAE**

***Cryptocaryon irritans* Brown, 1951**

Synonym: -
Microhabitat: Not determined
Host: *Sparus aurata*⁽²⁸⁾
Location: Aegean Sea⁽²⁸⁾
Record: Tareen (1982)⁽²⁸⁾

PHYLUM MYZOOA

**INFRAPHYLUM
DINOFLAGELLATA
CLASS DINOPHYCEAE
ORDER BLASTODINIALES
FAMILY OODINIACEAE**

***Amyloodinium ocellatum* (E.Brown)
E.Brown & Hovasse, 1946**

Synonym: *Oodinium ocellatum*
E.Brown
Microhabitat: Not determined
Host: *Sparus aurata*⁽²⁸⁾
Location: Aegean Sea⁽²⁸⁾
Record: Tareen (1982)⁽²⁸⁾

**INFRAPHYLUM SPOROZOA
CLASS CONOIDASIDA
ORDER EIMERIIDA
FAMILY EIMERIIDAE**

***Eimeria merlangi* Zaika, 1966**

Synonym: -
Microhabitat: Digestive system, gall
bladder
Host: *Merlangius merlangus*⁽¹⁰⁾⁽¹⁶⁾⁽¹⁷⁾
Location: Black Sea⁽¹⁰⁾⁽¹⁶⁾⁽¹⁷⁾
Record: Özer *et al.* (2012)⁽¹⁰⁾, Özer *et al.* (2015)⁽¹⁶⁾, Özer *et al.* (2015)⁽¹⁷⁾

***Eimeria sardinae* (Thélohan, 1890)
Reichenow, 1921**

Synonym: *Coccidium sardinae*
Thelohan, 1890
Microhabitat: Intestine
Host: *Merlangius merlangus*⁽²⁹⁾
Location: Black Sea⁽²⁹⁾
Record: Özer *et al.* (2014)⁽²⁹⁾

**PHYLUM
PLATYHELMINTHES**

CLASS MONOGENEA

**SUBCLASS
MONOPISTHOCOTYLEA
ORDER CAPSALIDEA
FAMILY CAPSALIDAE**

***Benedenia* sp.**

Synonym: -

Microhabitat: Skin

Host: *Dasyatis pastinaca*⁽³⁰⁾

Location: Aegean Sea⁽³⁰⁾

Record: Turgay *et al.* (2019)⁽³⁰⁾

***Capsala laevis* (Verrill, 1875)
Johnston, 1929**

Synonym: *Tristoma histiophori* Bell, 1891, *Tristoma laeae* Verrill, 1875, *Tristoma laeae* var. *armata* Goto, 1899, *Tristomella laevis* (Verrill, 1875) Guiart, 1938

Microhabitat: Gills

Host: *Xiphias gladius*⁽³¹⁾

Location: Aegean Sea⁽³¹⁾

Record: Kayış *et al.* (2010)⁽³¹⁾

***Tristoma coccineum* Cuvier, 1817**

Synonym: *Tristoma papillosum*

Diesing, 1836

Microhabitat: Gills

Host: *Xiphias gladius*⁽³²⁾

Location: Aegean Sea⁽³²⁾

Record: Öktener *et al.* (2010)⁽³²⁾

***Tristoma integrum* Diesing, 1850**

Synonym: -

Microhabitat: Gills

Host: *Xiphias gladius*⁽³²⁾

Location: Aegean Sea⁽³²⁾

Record: Öktener *et al.* (2010)⁽³²⁾

***Trochopus gaillimhe* Little, 1829**

Synonym: -

Microhabitat: Gills

Host: *Eutrigla gurnardus*⁽³³⁾

Location: Sea of Marmara⁽³³⁾

Record: Oğuz (1995)⁽³³⁾

***Trochopus pini* (Van Beneden & Hesse, 1863) Massa, 1903**

Synonym: *Placunella pini* Van Beneden & Hesse, 1863, *Tristoma*

pini (van Beneden & Hesse, 1863) Taschenberg, 1878

Microhabitat: Gills

Host: *Eutrigla gurnardus*⁽³⁴⁾

Location: Sea of Marmara⁽³⁴⁾

Record: Oğuz and Bray (2008)⁽³⁴⁾

**ORDER DACTYLOGYRIDEA
FAMILY ANCYROCEPHALIDAE**

***Ligophorus acuminatus* Euzet & Suriano, 1977**

Synonym: -

Microhabitat: Gills

Host: *Chelon saliens*⁽³⁵⁾

Location: Aegean Sea⁽³⁵⁾

Record: Altunel (1982)⁽³⁵⁾

***Ligophorus angustus* Euzet & Suriano, 1977**

Synonym: -

Microhabitat: Gills

Host: *Chelon labrosus*⁽³⁵⁾⁽³⁶⁾

Location: Aegean Sea⁽³⁵⁾; Mediterranean Sea, Beymelek Lagoon⁽³⁶⁾

Record: Altunel (1982)⁽³⁵⁾, Aydoğdu *et al.* (2015)⁽³⁶⁾

***Ligophorus cephal* Rubtsova et Euzet, 2006**

Synonym: -

Microhabitat: Gills

Host: *Mugil cephalus*⁽²²⁾⁽²⁴⁾⁽³⁷⁾, *Chelon auratus*⁽²¹⁾⁽²³⁾⁽³⁷⁾

Location: Black Sea, Samsun Kızılırmak Delta Bafra Fish Lakes⁽²¹⁾⁽²²⁾⁽²⁴⁾⁽³⁷⁾, Sinop Sarıkum Lagoon⁽²³⁾

Record: Özer and Yılmaz Kırca (2013)⁽²¹⁾, Özer and Yılmaz Kırca (2015)⁽²²⁾, Öztürk (2013)⁽²³⁾, Özer *et al.* (2016)⁽²⁴⁾, Öztürk and Özer (2014)⁽³⁷⁾

***Ligophorus chabaudi* Euzet & Suriano, 1977**

Synonym: -

Microhabitat: Gills
Host: *Mugil cephalus*⁽³⁵⁾
Location: Aegean Sea⁽³⁵⁾
Record: Altunel (1982)⁽³⁵⁾

***Ligophorus confusus* Euzet & Suriano, 1977**

Synonym: -
Microhabitat: Gills
Host: *Chelon ramada*⁽³⁴⁾⁽³⁵⁾
Location: Sea of Marmara, Mudanya⁽³⁴⁾; Aegean Sea⁽³⁵⁾
Record: Oğuz and Bray (2008)⁽³⁴⁾, Altunel (1982)⁽³⁵⁾

***Ligophorus heteronchus* Euzet & Suriano, 1977**

Synonym: -
Microhabitat: Gills
Host: *Chelon saliens*⁽³⁵⁾
Location: Aegean Sea⁽³⁵⁾
Record: Altunel (1982)⁽³⁵⁾

***Ligophorus imitans* Euzet & Suriano, 1977**

Synonym: -
Microhabitat: Gills
Host: *Chelon ramada*⁽³⁵⁾
Location: Aegean Sea⁽³⁵⁾
Record: Altunel (1982)⁽³⁵⁾

***Ligophorus macrocolpus* Euzet & Suriano, 1977**

Synonym: -
Microhabitat: Gills
Host: *Chelon saliens*⁽³⁵⁾
Location: Aegean Sea⁽³⁵⁾
Record: Altunel (1982)⁽³⁵⁾

***Ligophorus mediterraneus* Sarabeev, Balbuena & Euzet, 2005**

Synonym: -
Microhabitat:
Host: *Mugil cephalus*⁽²²⁾⁽²⁴⁾⁽³⁷⁾, *Chelon auratus*⁽²¹⁾⁽²³⁾⁽³⁷⁾
Location: Black Sea, Samsun Kızılırmak Delta Bafra Fish

Lakes⁽²¹⁾⁽²²⁾⁽²⁴⁾⁽³⁷⁾, Sinop Sarıkum Lagoon⁽²³⁾
Record: Özer and Yılmaz Kırca (2013)⁽²¹⁾, Özer and Yılmaz Kırca (2015)⁽²²⁾, Öztürk (2013)⁽²³⁾, Özer et al. (2016)⁽²⁴⁾, Öztürk and Özer (2014)⁽³⁷⁾

***Ligophorus minimus* Euzet & Suriano, 1977**

Synonym: -
Microhabitat: Gills
Host: *Chelon saliens*⁽³⁵⁾
Location: Aegean Sea⁽³⁵⁾
Record: Altunel (1982)⁽³⁵⁾

***Ligophorus mugilinus* (Hargis, 1955) Euzet & Suriano, 1977**

Synonym: *Haliotrema mugilinus* (Hargis, 1955), *Pseudohaliotrema mugilinus* Hargis, 1955
Microhabitat: Gills
Host: *Chelon auratus*⁽²⁰⁾⁽³⁵⁾, *Mugil cephalus*⁽³⁸⁾
Location: Black Sea, Sinop Sarıkum Lagoon⁽²⁰⁾; Aegean Sea⁽³⁵⁾, Karacabey Bayramdere Lagoon⁽³⁸⁾
Record: Öztürk and Özer (2009)⁽²⁰⁾, Altunel (1982)⁽³⁵⁾, Öztürk and Aydoğdu (2003)⁽³⁸⁾

***Ligophorus szidati* Euzet & Suriano, 1977**

Synonym: -
Microhabitat: Gills
Host: *Chelon auratus*⁽³⁵⁾, *Chelon ramada*⁽³³⁾⁽³⁵⁾
Location: Sea of Marmara⁽³³⁾; Aegean Sea⁽³⁵⁾
Record: Oğuz (1995)⁽³³⁾; Altunel (1982)⁽³⁵⁾

***Ligophorus* sp.**

Synonym: -
Microhabitat: Gills
Host: *Mugil cephalus*⁽³⁹⁾
Location: Sea of Marmara, Gala Lake⁽³⁹⁾

Record: Soylu (2014)⁽³⁹⁾

FAMILY APMHIPDELLATIDAE

***Amphibdella torpedinis* Chatin, 1874**

Synonym:

Microhabitat: Gills

Host: *Torpedo marmorata*⁽⁴⁰⁾

Location: Aegean Sea⁽⁴⁰⁾

Record: Akmirza (2013)⁽⁴⁰⁾

FAMILY DACTYLOGYRIDAE

***Dactylogyrus* sp.**

Synonym: -

Microhabitat: Gills

Host: *Dicentrarchus labrax*⁽¹⁴⁾

Location: Mediterranean Sea,

Hurmaboğazi Lagoon⁽¹⁴⁾

Record: Canlı (2010)⁽¹⁴⁾

FAMILY DIPLECTANIDAE

***Diplectanum aequans* (Wagener, 1857)**

Synonym: *Dactylogyrus aequans* Wagener, 1857

Microhabitat: Gills

Host: *Dicentrarchus labrax*⁽²⁸⁾⁽⁴¹⁾⁽⁴²⁾
(43)

Location: Aegean Sea⁽²⁸⁾⁽⁴¹⁾,
Mediterranean Sea, Beymelek
Lagoon⁽⁴²⁾⁽⁴³⁾

Record: Tareen (1982)⁽²⁸⁾, Akmirza
(2010)⁽⁴¹⁾, Emre (2010)⁽⁴²⁾, Emre *et al.*
(2014)⁽⁴³⁾

***Diplectanum* sp.**

Synonym: -

Microhabitat: Gills

Host: *Sargocentron rubrum*⁽⁴⁴⁾

Location: Mediterranean Sea,
İskenderun Körfezi⁽⁴⁴⁾

Record: Konaş (2009)⁽⁴⁴⁾

***Lamellodiscus echeneis* (Wagener, 1857)**

Synonym: *Furnestinia echeneis* (Wagener, 1857), *Dactylogyrus echeneis* Wagener, 1857

Microhabitat: Gills

Host: *Sparus aurata*⁽⁴¹⁾⁽⁴⁵⁾, *Diplodus sargus*⁽⁴⁵⁾

Location: Aegean Sea⁽⁴¹⁾,
Mediterranean Sea, Beymelek
Lagoon⁽⁴⁵⁾

Record: Akmirza (2010)⁽⁴¹⁾, Emre *et al.* (2015)⁽⁴⁵⁾

***Lamellodiscus elegans* Bychowsky, 1957**

Synonym: -

Microhabitat: Gills

Host: *Sparus aurata*⁽²⁸⁾, *Diplodus annularis*⁽⁴⁶⁾

Location: Aegean Sea⁽²⁸⁾; Black Sea⁽⁴⁶⁾

Record: Tareen (1982)⁽²⁸⁾, Özer *et al.* (2015)⁽⁴⁶⁾

***Lamellodiscus fraternus* Bychowsky, 1957**

Synonym: -

Microhabitat: Gills

Host: *Diplodus annularis*⁽⁴⁶⁾

Location: Black Sea⁽⁴⁶⁾

Record: Özer *et al.* (2015)⁽⁴⁶⁾

***Lamellodiscus ignoratus* Palombi, 1943**

Synonym: -

Microhabitat: Gills

Host: *Diplodus sargus*⁽⁴⁵⁾, *Sparus aurata*⁽⁴⁵⁾,

Location: Mediterranean Sea,
Beymelek Lagoon⁽⁴⁵⁾

Record: Emre *et al.* (2015)⁽⁴⁵⁾

***Lamellodiscus* sp.**

Synonym: -

Microhabitat: Gills

Host: *Diplodus vulgaris*⁽⁴⁴⁾, *Diplodus sargus*⁽⁴⁴⁾, *Siganus luridus*⁽⁴⁴⁾, *Sparus aurata*⁽⁴⁷⁾

Location: Mediterranean Sea, İskenderun Gulf⁽⁴⁴⁾; Aegean Sea⁽⁴⁷⁾
Record: Konaş (2009)⁽⁴⁴⁾, Hoşsucu (1986)⁽⁴⁷⁾

FAMILY GYRODACTYLIDAE

Gyrodactylus alviga Dmitrieva et Gerasev, 2000

Synonym: -

Microhabitat: Skin, gills

Host: *Merlangius merlangus*⁽¹⁰⁾⁽¹⁶⁾⁽¹⁷⁾⁽²⁵⁾⁽⁴⁸⁾

Location: Black Sea⁽¹⁰⁾⁽¹⁶⁾⁽¹⁷⁾⁽²⁵⁾⁽⁴⁸⁾

Record: Özer *et al.* (2012)⁽¹⁰⁾, Özer *et al.* (2015)⁽¹⁶⁾, Özer *et al.* (2015)⁽¹⁷⁾, Çavuş (2011)⁽²⁵⁾, Özer *et al.* (2016)⁽⁴⁸⁾

Gyrodactylus anguillae Ergens, 1960

Synonym: -

Microhabitat: Gills

Host: *Anguilla anguilla*⁽⁴⁹⁾

Location: Aegean Sea⁽⁴⁹⁾

Record: Altunel (1980)⁽⁴⁹⁾

Gyrodactylus arcuatus Bychowsky, 1933

Synonym: *Gyrodactylus aculeati* Malmberg, 1957, *Gyrodactylus bychowskyi* Sproston, 1946

Microhabitat: Gills, fins, skin

Host: *Gasterosteus aculeatus*⁽³⁷⁾⁽⁵⁰⁾

Location: Black Sea, Samsun Kızılırmak Delta Bafra Fish Lakes⁽³⁷⁾, Sinop Sırakaraağaçlar Stream⁽⁵⁰⁾

Record: Öztürk and Özer (2014)⁽³⁷⁾, Özer *et al.* (2004)⁽⁵⁰⁾

Gyrodactylus flesi Malmberg, 1957

Synonym: -

Microhabitat: Skin, fins

Host: *Platichthys flesus*⁽¹⁾

Location: Black Sea, Sinop Sarıkum Lagoon⁽¹⁾

Record: Öztürk and Özer (2008)⁽¹⁾

Gyrodactylus proterorhini Ergens, 1967

Synonym: *Gyrodactylus gussevi* Najdenova, 1966 nec Ling, 1962, *Gyrodactylus najdenovi* Malmberg, 1970

Microhabitat: Gills, skin, fins

Host: *Neogobius melanostomus*⁽⁵¹⁾, *Neogobius fluviatilis*⁽³⁷⁾⁽⁵²⁾, *Proterorhinus marmoratus*⁽³⁷⁾⁽⁵²⁾, *Pomatoschistus marmoratus*⁽³⁷⁾⁽⁵²⁾

Location: Black Sea, Sinop Sırakaraağaçlar Stream⁽⁵¹⁾, Kızılırmak Delta Bafra Fish Lakes⁽³⁷⁾⁽⁵²⁾

Record: Öztürk and Özer (2014)⁽³⁷⁾, Özer (2007)⁽⁵¹⁾, Güven and Öztürk (2018)⁽⁵²⁾

Gyrodactylus sp.

Synonym: -

Microhabitat: Gills, skin

Host: *Neogobius melanostomus*⁽³⁾⁽⁴⁾, *Chelon auratus*⁽²⁰⁾⁽²³⁾, *Mugil cephalus*⁽²²⁾⁽²⁴⁾, *Merlangius merlangus*⁽²⁷⁾, *Chelon labrosus*⁽³⁵⁾, *Pomatoschistus marmoratus*⁽⁵²⁾

Location: Black Sea⁽²⁷⁾, Sinop Sırakaraağaçlar Stream⁽³⁾⁽⁴⁾, Sinop Sarıkum Lagoon⁽²⁰⁾⁽²³⁾, Samsun Kızılırmak Delta Bafra Fish Lakes⁽²²⁾⁽²⁴⁾⁽⁵²⁾, Aegean Sea⁽³⁵⁾

Record: Ünsal (2008)⁽³⁾, Özer and Ünsal (2009)⁽⁴⁾, Öztürk and Özer (2009)⁽²⁰⁾, Özer and Yılmaz Kırca (2015)⁽²²⁾, Öztürk (2013)⁽²³⁾, Özer *et al.* (2016)⁽²⁴⁾, Yaman (1997)⁽²⁷⁾, Altunel (1982)⁽³⁵⁾, Güven and Öztürk (2018)⁽⁵²⁾

FAMILY

PSEUDODACTYLOGYRIDAE

Pseudodactylogyrus anguillae (Yin & Sproston, 1948) Gusev, 1965

Synonym: *Dactylogyrus anguillae* (Yin & Sproston, 1948) Gusev, 1965, *Neodactylogyrus anguillae* Yin & Sproston, 1948

Microhabitat: Gills

Host: *Anguilla anguilla*⁽⁵³⁾⁽⁵⁴⁾

Location: Aegean Sea, Köyceğiz-Dalyan Lagoon⁽⁵³⁾⁽⁵⁴⁾

Record: Özesen Çolak *et al.* (2012)⁽⁵³⁾, Soyly *et al.* (2013)⁽⁵⁴⁾

FAMILY TETRAONCHIDAE

Ergenstrema mugilis Paperna, 1964

Synonym: -

Microhabitat: Gills

Host: *Chelon ramada*⁽³⁵⁾, *Chelon labrosus*⁽³⁵⁾

Location: Aegean Sea⁽³⁵⁾

Record: Altunel (1982)⁽³⁵⁾

FAMILY TETRAONCHOIDIDAE

Tetraonchoides paradoxus
Bychowsky, 1951

Synonym: -

Microhabitat: Gills

Host: *Uranoscopus scaber*⁽³⁴⁾⁽⁵⁵⁾

Location: Sea of Marmara⁽³⁴⁾; Black Sea⁽⁵⁵⁾

Record: Oğuz and Bray (2008)⁽³⁴⁾, Öztürk *et al.* (2017)⁽⁵⁵⁾

SUBCLASS

POLYOPISTHOCOTYLEA

ORDER MAZOCRAEIDEA

FAMILY AXINIDAE

Axine belones Abildgaard, 1794

Synonym: *Axine bellones* Abildgaard, 1794 (Lapsus)

Microhabitat: Gills

Host: *Belone belone*⁽²⁶⁾⁽⁵⁶⁾⁽⁵⁷⁾

Location: Black Sea⁽²⁶⁾; Sea of Marmara⁽⁵⁶⁾⁽⁵⁷⁾

Record: Özer and Yurakhno (2013)⁽²⁶⁾, Öktener (2005)⁽⁵⁶⁾, Uysal *et al.* (2019)⁽⁵⁷⁾

FAMILY DICLIDOPHORIDAE

Choricotyle chrysophri Van Beneden & Hesse, 1863

Synonym: *Choricotyle pagelli* (Gallien, 1937)

Microhabitat: Gills

Host: *Spondyliosoma cantharus*⁽⁴⁰⁾, *Boops boops*⁽⁴⁰⁾, *Pagellus erythrinus*⁽⁵⁸⁾⁽⁵⁹⁾,

Location: Aegean Sea⁽⁴⁰⁾⁽⁵⁸⁾⁽⁵⁹⁾

Record: Akmirza (2013)⁽⁴⁰⁾, Akmirza (2000)⁽⁵⁸⁾, Akmirza (2001)⁽⁵⁹⁾

Cyclocotyla bellones Otto, 1823

Synonym: *Diclidophora bellones* (Otto, 1823)

Microhabitat: Skin

Host: *Boops boops*⁽⁵⁹⁾⁽⁶⁰⁾⁽⁶¹⁾, *Spicara maena*⁽⁶¹⁾

Location: Aegean Sea⁽⁵⁹⁾⁽⁶⁰⁾⁽⁶¹⁾

Record: Akmirza (2001)⁽⁵⁹⁾, Akmirza (1998)⁽⁶⁰⁾, Solak *et al.* (2007)⁽⁶¹⁾

FAMILY DISCOCOTYLIDAE

Anthocotyle merluccii Van Beneden & Hesse, 1863

Synonym: *Acanthocotyle merluccii* (Van Beneden & Hesse, 1863)

Microhabitat: Gills

Host: *Merluccius merluccius*⁽³³⁾⁽⁴⁰⁾, *Sphyaena sphyraena*⁽⁴⁰⁾

Location: Sea of Marmara⁽³³⁾; Aegean Sea⁽⁴⁰⁾

Record: Oğuz (1995)⁽³³⁾, Akmirza (2013)⁽⁴⁰⁾

FAMILY GASTROCOTYLIDAE

Pseudaxine trachuri Parona & Perugia, 1899

Synonym: -

Microhabitat: Gills

Host: *Trachurus mediterraneus*⁽⁵⁹⁾⁽⁶²⁾

Location: Aegean Sea⁽⁵⁹⁾⁽⁶²⁾

Record: Akmirza (2001)⁽⁵⁹⁾, Akmirza (1998)⁽⁶²⁾

FAMILY HETERAXINODAE

Zeuxapta seriolae (Meserve, 1938)
Price, 1962

Synonym: *Axine seriolae* Meserve, 1938, *Heteraxine meservei* Sproston, 1946, *Microcotyle seriolae* Yamaguti,

1940, *Zeuxapta japonica* Yamaguti,
1961, *Zeuxapta zyxivaginata*
Unnithan, 1957

Microhabitat: Gills

Host: *Lichia amia*⁽⁴⁰⁾, *Seriola
dumerili*⁽⁶³⁾

Location: Aegean Sea⁽⁴⁰⁾;

Mediterranean Sea⁽⁶³⁾

Record: Akmirza (2013)⁽⁴⁰⁾, Genç et
al. (2007)⁽⁶³⁾

FAMILY MAZOCRAEIDAE

***Kuhnia scombri* (Kuhn, 1829)
Sproston, 1945**

Synonym: *Octostoma scombri* Kuhn,
1829, *Octocotyle major* Goto, 1894,
Octocotyle truncatum Diesing, 1850,
Octoplectanum truncatum (Diesing,
1850) Diesing, 1858

Microhabitat: Gills

Host: *Scomber scombrus*⁽²⁸⁾, *Scomber
japonicus*⁽⁴⁰⁾⁽⁵⁹⁾⁽⁶⁴⁾⁽⁶⁵⁾

Location: Aegean Sea⁽²⁸⁾⁽⁴⁰⁾⁽⁵⁹⁾⁽⁶⁴⁾⁽⁶⁵⁾;
Mediterranean Sea⁽⁶⁵⁾

Record: Tareen (1982)⁽²⁸⁾, Akmirza
(2013)⁽⁴⁰⁾, Akmirza (2001)⁽⁵⁹⁾,
Akmirza (1997)⁽⁶⁴⁾, Akmirza
(2003)⁽⁶⁵⁾

***Mazocraes alosae* Herman, 1782**

Synonym: *Octobothrium lanceolatum*
Leuckart, 1827, *Octocotyle
lanceolatum* (Leuckart, 1827)
Diesing, 1850

Microhabitat: Gills

Host: *Alosa fallax*⁽⁴⁰⁾, *Alosa
immaculata*⁽⁶⁶⁾

Location: Aegean Sea⁽⁴⁰⁾; Black
Sea⁽⁶⁶⁾

Record: Akmirza (2013)⁽⁴⁰⁾, Özer et
al. (2013)⁽⁶⁶⁾

FAMILY MICROCOTYLIDAE

***Pauciconfibula trachini* (Parona &
Perugia, 1889) Dilllon & Hargis,
1965**

Synonym: *Aspinatrium trachini*
(Parona & Perugia, 1889),
Bradyhaptorus trachini (Parona &
Perugia, 1890) Unnithan, 1971,
Microcotyle trachini Parona &
Perugia, 1890

Microhabitat: Gills

Host: *Trachinus araneus*⁽⁴⁰⁾,
Trachinus draco⁽⁶⁷⁾

Location: Aegean Sea⁽⁴⁰⁾⁽⁶⁷⁾

Record: Akmirza (2013)⁽⁴⁰⁾, Akmirza
(2004)⁽⁶⁷⁾

***Atrispinum acarne* Maillard &
Noisy, 1979**

Synonym: -

Microhabitat: Gills

Host: *Pagellus acarne*⁽⁴⁰⁾

Location: Aegean Sea⁽⁴⁰⁾

Record: Akmirza (2013)⁽⁴⁰⁾

***Atrispinum salpae* (Parona &
Perugia, 1890)**

Synonym: *Diplostamenides salpae*
(Parona & Perugia, 1890) Unnithan,
1971, *Microcotyle salpae* Parona &
Perugia, 1890, *Vulvostella sargi*
(Parona & Perugia, 1899)

Microhabitat: Gills

Host: *Sarpa salpa*⁽⁴⁰⁾

Location: Aegean Sea⁽⁴⁰⁾

Record: Akmirza (2013)⁽⁴⁰⁾

***Atrispinum seminalis* (Euzet &
Maillard, 1973)**

Synonym: *Atristaster seminalis* Euzet
& Maillard, 1973

Microhabitat: Gills

Host: *Diplodus annularis*⁽⁴⁰⁾,
Diplodus vulgaris⁽⁴⁰⁾

Location: Aegean Sea⁽⁴⁰⁾

Record: Akmirza (2013)⁽⁴⁰⁾

***Bivagina alcedinis* (Parona &
Perugia, 1889) Yamaguti, 1963**

Synonym: *Microcotyle alcedinis*
Parona & Perugia, 1889

Microhabitat: Gills

Host: *Spicara maena*⁽⁴⁰⁾,
Spondyllosoma cantharus⁽⁴⁰⁾
Location: Aegean Sea⁽⁴⁰⁾
Record: Akmirza (2013)⁽⁴⁰⁾

***Grubea cochlear* Diesing, 1858**

Synonym: -
Microhabitat: Gills
Host: *Scomber scombrus*⁽²⁸⁾
Location: Aegean Sea⁽²⁸⁾
Record: Tareen (1982)⁽²⁸⁾

***Metamicrocotyla cephalus* (Azim,
1939) Hargis, 1954**

Synonym: *Microcotyle cephalus*
Azim, 1939
Microhabitat: Gills
Host: *Mugil cephalus*⁽³⁵⁾
Location: Aegean Sea⁽³⁵⁾
Record: Altunel (1982)⁽³⁵⁾

***Microcotyle erythrini* Van Beneden
& Hesse, 1863**

Synonym: -
Microhabitat: Gills
Host: *Diplodus sargus*⁽⁵⁸⁾⁽⁵⁹⁾, *Oblada melanura*⁽⁵⁸⁾⁽⁵⁹⁾, *Pagellus erythrinus*⁽⁵⁸⁾⁽⁵⁹⁾, *Sarpa salpa*⁽⁵⁸⁾⁽⁵⁹⁾, *Trachinus araneus*⁽⁵⁹⁾, *Trachurus mediterraneus*⁽⁵⁹⁾, *Boops boops*⁽⁶⁰⁾
Location: Aegean Sea⁽⁵⁸⁾⁽⁵⁹⁾⁽⁶⁰⁾
Record: Akmirza (2000)⁽⁵⁸⁾, Akmirza (2001)⁽⁵⁹⁾, Akmirza (1998)⁽⁶⁰⁾

***Microcotyle pomatomi* Goto, 1899**

Synonym: *Microcotyle australiensis* MacCallum, 1921, *Microcotyle debueni* Mané-Garzón, 1959, *Microcotyle temnodontis* Sandars, 1945, *Paramicrocotyle temnodontis* (Sandars, 1944) Caballero & Bravo-Hollis, 1972
Microhabitat: Gills
Host: *Pomatomus saltatrix*⁽⁶⁸⁾
Location: Sea of Marmara⁽⁶⁸⁾
Record: Sezen and Price (1967)⁽⁶⁸⁾

***Microcotyle* sp.**

Synonym: -
Microhabitat: Gills
Host: *Oblada melanura*⁽⁴⁴⁾, *Sparus aurata*⁽⁴⁷⁾
Location: Mediterranean Sea, İskenderun Körfezi⁽⁴⁴⁾; Aegean Sea⁽⁴⁷⁾
Record: Konaş (2009)⁽⁴⁴⁾, Hoşsucu (1986)⁽⁴⁷⁾

***Sparicotyle chrysophrii* (Van
Beneden & Hesse, 1863) Mamaev,
1984**

Synonym: *Microcotyle chrysophrii* Van Beneden & Hesse, 1863, *Solostamenides chrysophryi* (van Beneden & Hesse, 1863) Ünnehan, 1971
Microhabitat: Gills
Host: *Sparus aurata*⁽²⁸⁾⁽⁴¹⁾
Location: Aegean Sea⁽²⁸⁾⁽⁴¹⁾
Record: Tareen (1982)⁽²⁸⁾, Akmirza (2010)⁽⁴¹⁾

***Solostamenides mugilis* (Vogt, 1879)
Ünnithan, 1971**

Synonym: *Microcotyle mugilis* Vogt, 1878
Microhabitat: Gills
Host: *Chelon auratus*⁽²⁰⁾⁽²¹⁾⁽²³⁾⁽³⁵⁾⁽³⁷⁾⁽⁶¹⁾, *Mugil cephalus*⁽²²⁾⁽²⁴⁾⁽³⁷⁾⁽³⁸⁾⁽⁶⁸⁾⁽⁶⁹⁾, *Chelon ramada*⁽³³⁾⁽³⁴⁾⁽³⁵⁾, *Chelon saliens*⁽³⁵⁾, *Chelon labrosus*⁽³⁵⁾
Location: Black Sea, Sinop Sarıkum Lagoon⁽²⁰⁾⁽²³⁾, Samsun Kızılırmak Delta Bafra Fish Lakes⁽²¹⁾⁽²²⁾⁽²⁴⁾⁽³⁷⁾⁽⁶⁹⁾; Aegean Sea⁽³⁵⁾, Karacabey Bayramdere Lagoon⁽³⁸⁾; Sea of Marmara⁽³³⁾⁽³⁴⁾⁽⁶⁸⁾
Record: Öztürk and Özer (2009)⁽²⁰⁾, Özer and Yılmaz Kırca (2013)⁽²¹⁾, Özer and Yılmaz Kırca (2015)⁽²²⁾, Öztürk (2013)⁽²³⁾, Özer *et al.* (2016)⁽²⁴⁾, Oğuz (1995)⁽³³⁾, Oğuz and Bray (2008)⁽³⁴⁾, Altunel (1982)⁽³⁵⁾, Öztürk and Özer (2014)⁽³⁷⁾, Öztürk and Aydoğdu (2003)⁽³⁸⁾, Sezen and Price (1967)⁽⁶⁸⁾, Özer *et al.* (2013)⁽⁶⁹⁾

**FAMILY
PLECTANOCOTYLIDAE**

***Plectanocotyle gurnardi* (Van Beneden & Hesse, 1863) Llewellyn, 1941 (Beneden and Hesse, 1863)**

Synonym: *Phyllocotyle gurnardi* Van Beneden & Hesse, 1863

Microhabitat: Gills

Host: *Chelidonichthys lucerna*⁽⁴⁰⁾

Location: Aegean Sea⁽⁴⁰⁾

Record: Akmirza (2013)⁽⁴⁰⁾

FAMILY PYRAGRAPHORIDAE

***Pyragraphorus pyragraphorus* (MacCallum & MacCallum, 1913) Sproston, 1946**

Synonym: *Microcotyle pyragraphorus* MacCallum & MacCallum, 1913

Microhabitat: Gills

Host: *Trachinotus ovatus*⁽⁵⁶⁾

Location: Mediterranean Sea⁽⁵⁶⁾

Record: Öktenen (2005)⁽⁵⁶⁾

CLASS TREMATODA

SUBCLASS DIGenea ORDER PLAGIORCHIIDEA FAMILY ACANTHOCOLPIDAE

***Lepidauchen stenostoma* Nicoll, 1913**

Synonym: -

Microhabitat: -

Host: *Dentex dentex*⁽⁵⁸⁾⁽⁵⁹⁾, *Pagrus pagrus*⁽⁵⁸⁾⁽⁵⁹⁾

Location: Aegean Sea⁽⁵⁸⁾⁽⁵⁹⁾

Record: Akmirza (2000)⁽⁵⁸⁾, Akmirza (2001)⁽⁵⁹⁾

***Stephanostomum baccatum* (Nicoll, 1907) Manter, 1934**

Synonym: *Stephanochasmus baccatus* Nicoll, 1907

Microhabitat: Intestine

Host: *Gaidropsarus mediterraneus*⁽³³⁾

Location: Sea of Marmara⁽³³⁾

Record: Oğuz (1995)⁽³³⁾

***Stephanostomum bicoronatum* (Stossich, 1883) Fuhrmann, 1928**

Synonym: *Distomum bicoronatum* Stossich, 1883, *Stephanochasmus bicoronatus* (Stossich, 1883) Looss, 1901

Microhabitat: Gills

Host: *Umbrina cirrosa*⁽⁵⁹⁾, *Neogobius melanostomus*⁽⁷⁰⁾, *Gaidropsarus mediterraneus*⁽⁷¹⁾

Location: Aegean Sea⁽⁵⁹⁾; Black Sea⁽⁷⁰⁾⁽⁷¹⁾

Record: Akmirza (2001)⁽⁵⁹⁾, Kornyychuk *et al.* (2016)⁽⁷⁰⁾, Öztürk and Çam (2016)⁽⁷¹⁾

***Stephanostomum caducum* (Looss, 1901) Manter, 1934**

Synonym: *Stephanochasmus caducus* Looss, 1901

Microhabitat: Intestine

Host: *Merluccius merluccius*⁽⁷²⁾

Location: Sea of Marmara⁽⁷²⁾

Record: Oğuz and Bray (2006)⁽⁷²⁾

***Stephanostomum cesticillus* (Molin, 1858) Looss, 1899**

Synonym: *Anoiktostoma cesticillus* (Molin, 1858) Stossich, 1899, *Distoma cesticillus* (Molin, 1858), *Distomum cesticillus* Molin, 1858, *Echinostomum cesticillus* (Molin, 1858), *Stephanochasmus cesticillus* (Molin, 1858) Looss, 1900, *Stephanostomum cesticillum* (Molin, 1858) Looss, 1899

Microhabitat: Intestine

Host: *Trachurus mediterraneus*⁽⁷⁰⁾, *Trachurus trachurus*⁽⁷³⁾

Location: Black Sea⁽⁷⁰⁾⁽⁷³⁾

Record: Kornyychuk *et al.* (2016)⁽⁷⁰⁾, Öztürk and Özer (2016)⁽⁷³⁾

***Stephanostomum gaidropsari* Bartoli & Bray, 2001**

Synonym: -

Microhabitat: Intestine

Host: *Gaidropsarus mediterraneus*⁽⁷²⁾

Location: Sea of Marmara⁽⁷²⁾
Record: Oğuz and Bray (2006)⁽⁷²⁾

***Stephanostomum minutum* (Looss, 1901) Manter, 1940**

Synonym: *Stephanochasmus minutus* Looss, 1901

Microhabitat: Intestine

Host: *Uranoscopus scaber*⁽⁵⁵⁾⁽⁷⁴⁾⁽⁷⁵⁾

Location: Black Sea⁽⁵⁵⁾⁽⁷⁵⁾, Aegean Sea⁽⁷⁴⁾

Record: Öztürk *et al.* (2017)⁽⁵⁵⁾, Akmirza (2013)⁽⁷⁴⁾, Tepe *et al.* (2014)⁽⁷⁵⁾

***Stephanostomum* sp.**

Synonym: -

Microhabitat: Intestine

Host: *Merluccius merluccius*⁽³³⁾

Location: Sea of Marmara⁽³³⁾

Record: Oğuz (1995)⁽³³⁾

FAMILY AEPHNIDIOGENIDAE

***Holorchis pycnopus* Stossich, 1901**

Synonym: -

Microhabitat: Intestine

Host: *Lithognathus mormyrus*⁽⁵⁸⁾⁽⁵⁹⁾⁽⁷⁴⁾

Location: Aegean Sea⁽⁵⁸⁾⁽⁵⁹⁾⁽⁷⁴⁾

Record: Akmirza (2000)⁽⁵⁸⁾, Akmirza (2001)⁽⁵⁹⁾, Akmirza (2013)⁽⁷⁴⁾

FAMILY ALLOCREADIIDAE

***Allocreadium* sp.**

Synonym: *Allocreadioides* Yamaguti, 1971, *Creadium* Looss, 1899, *Macrolecithus* Hasegawa & Ozaki, 1926, *Neallocreadium* Akhmerov, 1960, *Rhynchocreadium* Srivastava, 1962

Microhabitat:

Host: *Sarpa salpa*⁽⁵⁸⁾⁽⁵⁹⁾

Location: Aegean Sea⁽⁵⁸⁾⁽⁵⁹⁾

Record: Akmirza (2000)⁽⁵⁸⁾, Akmirza (2001)⁽⁵⁹⁾

***Allocreadium transversale* (Rudolphi, 1802) Odhner, 1901**

Synonym: *Distoma transversale* (Rudolphi, 1802), Rudolphi, 1809, *Fasciola transversalis* Rudolphi, 1802

Microhabitat: Intestine

Host: *Scorpaena scrofa*⁽⁷⁶⁾, *Scorpaena notata*⁽⁷⁶⁾, *Scorpaena porcus*⁽⁷⁶⁾

Location: Aegean Sea⁽⁷⁶⁾

Record: Şenol (2004)⁽⁷⁶⁾

FAMILY BUCEPHALIDAE

***Bucephalus anguillae* Spakulova, Macko, Berrilli & Dezfuli, 2002**

Synonym: -

Microhabitat: Gills

Host: *Anguilla anguilla*⁽⁵³⁾

Location: Aegean Sea, Köyceğiz-Dalyan Lagoon⁽⁵³⁾

Record: Özesen Çolak *et al.* (2012)⁽⁵³⁾

***Bucephalus margaritae* Ozaki & Ishibashi, 1934**

Synonym: *Bucephalus carangoides* Yamaguti, 1970, *Bucephalus pseudovaricus* Velasquez, 1959, *Bucephalus retractilis* Yamaguti, 1952, *Bucephalus ulua* Yamaguti, 1970, *Bucephalus varicus* Manter, 1940

Microhabitat: -

Host: *Lichia amia*⁽⁷⁴⁾

Location: Aegean Sea⁽⁷⁴⁾

Record: Akmirza (2013)⁽⁷⁴⁾

***Bucephalus marinus* Vlasenko, 1931**

Synonym: *Bucephalus marinum* Vlasenko, 1931

Microhabitat: Gills

Host: *Parablennius tentacularis*⁽⁷⁰⁾, *Gaidropsarus mediterraneus*⁽⁷²⁾, *Parablennius sanguinolentus*⁽⁷⁷⁾

Location: Black Sea⁽⁷⁰⁾⁽⁷⁷⁾; Sea of Marmara⁽⁷²⁾

Record: Kornyychuk *et al.* (2016)⁽⁷⁰⁾, Oğuz and Bray (2006)⁽⁷²⁾, Öztürk and Güven (2020)⁽⁷⁷⁾

***Bucephalus polymorphus* von Baer, 1827**

Synonym: *Bucephalus markewitschi* Koval, 1949, *Gasterostomum laciniatum* Molin, 1859

Microhabitat: -

Host: *Anguilla anguilla*⁽⁴⁹⁾⁽⁷⁸⁾

Location: Aegean Sea⁽⁴⁹⁾⁽⁷⁸⁾

Record: Altunel (1980)⁽⁴⁹⁾, Altunel (1979)⁽⁷⁸⁾

***Prosorhynchoides haimeana* (Lacaze-Duthiers, 1854)**

Synonym: *Bucephalopsis haimeanus* (Lacaze-Duthiers, 1854) Nicoll, 1914, *Bucephalus cucullus* Ziegler, 1883, *Bucephalus cuculus* McCrady, 1874

Microhabitat: Intestine

Host: *Zosterisessor ophiocephalus*⁽³³⁾

Location: Sea of Marmara⁽³³⁾

Record: Oğuz (1995)⁽³³⁾

***Prosorhynchus crucibulum* (Rudolphi, 1819) Odhner, 1905**

Synonym: *Gasterostomum armatum* Molin, 1859, *Monostoma crucibulum* Rudolphi, 1819, *Prosorhynchus grandis* Lebour, 1908, *Rudolphinus crucibulum* (Rudolphi, 1819) Stunkard, 1974

Microhabitat: Intestine

Host: *Conger conger*⁽⁷⁴⁾⁽⁷⁹⁾, *Muraena helena*⁽⁷⁴⁾

Location: Aegean Sea⁽⁷⁴⁾⁽⁷⁹⁾

Record: Akmirza (2013)⁽⁷⁴⁾, Akmirza (2012)⁽⁷⁹⁾

***Prosorhynchus* sp.**

Synonym: -

Microhabitat: Heart

Host: *Parablennius sanguinolentus*⁽⁷⁷⁾

Location: Black Sea⁽⁷⁷⁾

Record: Öztürk and Güven (2020)⁽⁷⁷⁾

***Rhipidocotyle genovi* Dimitrov et Gibson, 1996**

Synonym: -

Microhabitat: -

Host: *Gaidropsarus mediterraneus*⁽⁷¹⁾

Location: Black Sea⁽⁷¹⁾

Record: Öztürk and Çam (2016)⁽⁷¹⁾

***Rhipidocotyle* sp.**

Synonym: -

Microhabitat: Heart

Host: *Parablennius sanguinolentus*⁽⁷⁷⁾

Location: Black Sea⁽⁷⁷⁾

Record: Öztürk and Güven (2020)⁽⁷⁷⁾

***Skrjabiniella aculeata* (Odhner, 1905) Issaitschikow, 1928**

Synonym: *Prosorhynchus aculeatus* Odhner, 1905, *Skrjabiniella aculeatus* (Odhner, 1905) Issaitschikow, 1928

Microhabitat: -

Host: *Anguilla anguilla*⁽⁴⁹⁾

Location: Aegean Sea⁽⁴⁹⁾

Record: Altunel (1980)⁽⁴⁹⁾

FAMILY CRYPTOGONIMIDAE

***Anisocladium fallax* (Rudolphi, 1819) Looss, 1902**

Synonym: *Anisogaster fallax* (Rudolphi, 1819) Looss, 1901, *Anoiktostoma fallax* (Rudolphi, 1819) Stossich, 1899, *Distoma fallax* Rudolphi, 1819

Microhabitat: Intestine

Host: *Uranoscopus scaber*⁽³³⁾⁽⁵⁵⁾⁽⁵⁹⁾⁽⁷²⁾⁽⁷⁴⁾⁽⁷⁵⁾

Location: Black Sea⁽⁵⁵⁾⁽⁷⁵⁾; Sea of Marmara⁽³³⁾⁽⁷²⁾; Aegean Sea⁽⁵⁹⁾⁽⁷⁴⁾

Record: Oğuz (1995)⁽³³⁾, Öztürk *et al.* (2017)⁽⁵⁵⁾, Akmirza (2001)⁽⁵⁹⁾, Oğuz and Bray (2006)⁽⁷²⁾, Akmirza (2013)⁽⁷⁴⁾, Tepe *et al.* (2014)⁽⁷⁵⁾

***Anisocladium gracile* (Looss, 1901) Looss, 1902**

Synonym: *Anisogaster gracilis*
Looss, 1901
Microhabitat: Intestine
Host: *Uranoscopus scaber*⁽⁵⁵⁾⁽⁷⁵⁾
Location: Black Sea⁽⁵⁵⁾⁽⁷⁵⁾
Record: Öztürk *et al.* (2017)⁽⁵⁵⁾, Tepe *et al.* (2014)⁽⁷⁵⁾

***Anisocoelium capitellatum*
(Rudolphi, 1819) Lühe, 1900**

Synonym: *Distoma capitellatum*
Rudolphi, 1819
Microhabitat: Intestine
Host: *Uranoscopus scaber*⁽³³⁾⁽⁵⁵⁾
⁽⁷²⁾⁽⁷⁵⁾, *Scorpaena scrofa*⁽⁷⁶⁾,
Scorpaena porcus⁽⁷⁶⁾
Location: Sea of Marmara⁽³³⁾⁽⁷²⁾;
Black Sea⁽⁵⁵⁾⁽⁷⁵⁾; Aegean Sea⁽⁷⁶⁾
Record: Oğuz (1995)⁽³³⁾, Öztürk *et al.*
(2017)⁽⁵⁵⁾, Oğuz and Bray (2006)⁽⁷²⁾,
Tepe *et al.* (2014)⁽⁷⁵⁾, Şenol (2004)⁽⁷⁶⁾

***Anoiktostoma coronatum* (Wagener,
1852) Stossich, 1899**

Synonym: *Anoiktostoma corvinae*
(Stossich, 1886) Stiles & Hassall,
1908, *Distomum coronatum* Wagener,
1852, *Distomum corvinae* Stossich,
1886
Microhabitat: Intestine
Host: *Sciaena umbra*⁽⁷⁴⁾⁽⁸⁰⁾
Location: Aegean Sea⁽⁷⁴⁾⁽⁸⁰⁾
Record: Akmirza (2013)⁽⁷⁴⁾, Akmirza
(2014)⁽⁸⁰⁾

***Metadena pauli* (Vlasenko, 1931)
Yamaguti, 1958**

Synonym: *Achoerus pauli* Vlasenko,
1931
Microhabitat: -
Host: *Gaidropsarus mediterraneus*⁽⁷¹⁾
Location: Black Sea⁽⁷¹⁾
Record: Öztürk and Çam (2016)⁽⁷¹⁾

***Metadena* sp.**

Synonym: -
Microhabitat: -
Host: *Solea solea*⁽⁸²⁾

Location: Black Sea⁽⁸²⁾
Record: Çam and Öztürk (2016)⁽⁸²⁾

***Proctocaecum absconditum* (Looss
1901) Lamothe-Argumedo &
Ponciano-Rodriguez, 1986**

Synonym: *Acanthochasmus*
absconditus Looss, 1901,
Acanthostomum (*Gibsonium*)
absconditum (Looss, 1901) Brooks &
Holcman, 1993, *Acanthostomum*
absconditum (Looss, 1901) Gohar,
1934
Microhabitat: Intestine
Host: *Dicentrarchus labrax*⁽⁴²⁾⁽⁴³⁾
Location: Mediterranean Sea,
Beymelek Lagoon⁽⁴²⁾⁽⁴³⁾
Record: Emre (2010)⁽⁴²⁾, Emre *et al.*
(2014)⁽⁴³⁾

***Siphoderina aloysiae* (Stossich,
1885) Miller & Cribb, 2008**

Synonym: *Anoiktostoma aloysiae*
(Stossich, 1885) Stiles & Hassall,
1908, *Distomum aloysiae* Stossich,
1885, *Paracryptogonimus aloysiae*
(Stossich, 1885) Bartoli & Gibson,
1995
Microhabitat: Intestine
Host: *Sciaena umbra*⁽⁷⁴⁾⁽⁸⁰⁾
Location: Aegean Sea⁽⁷⁴⁾⁽⁸⁰⁾
Record: Akmirza (2013)⁽⁷⁴⁾, Akmirza
(2014)⁽⁸⁰⁾

FAMILY DEROGENIDAE

***Arnola microcirrus* (Vlasenko, 1931)
Yamaguti, 1958**

Synonym: *Arnoldia microcirrus*
Vlasenko, 1931
Microhabitat: Intestine
Host: *Diplodus annularis*⁽⁷⁰⁾
Location: Black Sea⁽⁷⁰⁾
Record: Kornyychuk *et al.* (2016)⁽⁷⁰⁾

***Derogenes* sp.**

Synonym: *Liocerca* Looss, 1902,
Liopyge Looss, 1899

Microhabitat: -

Host: *Mesogobius batrachocephalus*⁽⁸¹⁾, *Gobius niger*⁽⁸¹⁾

Location: Black Sea⁽⁸¹⁾

Record: Çam and Öztürk (2016)⁽⁸¹⁾

***Magnibursatus blennii* (Paggi & Orecchia, 1975) Kostadinova, Bartoli, Gibson & Raga, 2004**

Synonym: *Tyrrhenia blennii* Paggi & Orecchia, 1975

Microhabitat: Gills

Host: *Parablennius sanguinolentus*⁽⁷⁷⁾

Location: Black Sea⁽⁷⁷⁾

Record: Öztürk and Güven (2020)⁽⁷⁷⁾

***Magnibursatus skrjabini* (Vlasenko, 1931) Naidenova, 1969**

Synonym: *Derogenoides skrjabini* Vlasenko, 1931

Microhabitat: -

Host: *Gaidropsarus mediterraneus*⁽⁷¹⁾, *Mesogobius bathriocephalus*⁽⁸¹⁾

Location: Black Sea⁽⁷¹⁾⁽⁸¹⁾

Record: Öztürk and Çam (2016)⁽⁷¹⁾, Çam and Öztürk (2016)⁽⁸¹⁾

FAMILY DEROPRISTIDAE

***Deroprists inflata* (Molin, 1859) Odhner, 1902**

Synonym: *Anoiktostoma inflatum* (Molin, 1859) Stossich, 1899, *Distoma inflata* Molin, 1859, *Distomum inflatum* Molin, 1859

Microhabitat: -

Host: *Anguilla anguilla*⁽⁴⁹⁾⁽⁸³⁾⁽⁸⁴⁾

Location: Aegean Sea⁽⁴⁹⁾; Sea of Marmara, Karacabey Ekinli Lagoon⁽⁸³⁾⁽⁸⁴⁾

Record: Altunel (1980)⁽⁴⁹⁾, Altunel (1990)⁽⁸³⁾, Altunel (1990)⁽⁸⁴⁾

FAMILY DIPLOSTOMIDAE

***Diplostomum spathaceum* (Rudolphi, 1819) Olsson, 1876**

Synonym: *Diplostomulum spathaceum* (Rudolphi, 1819), *Diplostomum erythrophthalmi* (Shigin, 1965) Shigin, 1969, *Diplostomum macrostomum* Shigin, 1965, *Diplostomum paracaudum* (Iles, 1959) Shigin, 1977, *Distoma spathaceum* Rudolphi, 1819, *Hemistomum spathaceum* (Rudolphi, 1819) Diesing, 1850

Microhabitat: Eye

Host: *Mugil cephalus*⁽²²⁾⁽²⁴⁾,

Neogobius fluviatilis⁽⁵²⁾,

Proterorhinus marmoratus⁽⁵²⁾,

Location: Black Sea, Samsun Kızılırmak Delta Bafra Fish Lakes⁽²²⁾⁽²⁴⁾⁽⁵²⁾

Record: Özer and Yılmaz Kırca (2015)⁽²²⁾, Özer *et al.* (2016)⁽²⁴⁾, Güven and Öztürk (2018)⁽⁵²⁾

Diplostomum sp.

Synonym: -

Microhabitat: Gills

Host: *Mugil cephalus*⁽³⁹⁾

Location: Sea of Marmara, Gala Lake⁽³⁹⁾

Record: Soyulu (2014)⁽³⁹⁾

Posthodiplostomum sp.

Synonym: *Choanouvulifer* Lung, 1966

Microhabitat: Digestive system

Host: *Mugil cephalus*⁽²²⁾⁽²⁴⁾,

Neogobius fluviatilis⁽⁵²⁾,

Proterorhinus marmoratus⁽⁵²⁾,

Pomatoschistus marmoratus⁽⁵²⁾

Location: Black Sea, Samsun Kızılırmak Delta Bafra Fish Lakes⁽²²⁾⁽²⁴⁾⁽⁵²⁾

Record: Özer and Yılmaz Kırca (2015)⁽²²⁾, Özer *et al.* (2016)⁽²⁴⁾, Güven and Öztürk (2018)⁽⁵²⁾

***Tylodelphys clavata* (von Nordmann, 1832) Diesing, 1850**

Synonym: *Diplostomum clavatum* Nordmann, 1832

Microhabitat: Eye

Host: *Chelon auratus*⁽²¹⁾, *Mugil cephalus*⁽²²⁾⁽²⁴⁾, *Neogobius fluviatilis*⁽⁵²⁾, *Proterorhinus marmoratus*⁽⁵²⁾, *Pomatoschistus marmoratus*⁽⁵²⁾

Location: Black Sea, Samsun Kızılırmak Delta Bafra Fish Lakes⁽²¹⁾⁽²²⁾⁽²⁴⁾⁽⁵²⁾

Record: Özer and Yılmaz Kırca (2013)⁽²¹⁾, Özer and Yılmaz Kırca (2015)⁽²²⁾, Özer et al. (2016)⁽²⁴⁾, Güven and Öztürk (2018)⁽⁵²⁾

FAMILY ECHINOSTOMATIDAE

Echinostoma sp.

Synonym: -

Microhabitat: -

Host: *Neogobius fluviatilis*⁽⁵²⁾, *Proterorhinus marmoratus*⁽⁵²⁾, *Pomatoschistus marmoratus*⁽⁵²⁾

Location: Black Sea, Samsun Kızılırmak Delta Bafra Fish Lakes⁽⁵²⁾

Record: Güven and Öztürk (2018)⁽⁵²⁾

FAMILY FAUSTULIDAE

Bacciger bacciger (Rudolphi, 1819) Nicoll, 1914

Synonym: *Bacciger nicolli* Palombi, 1934, *Distoma baccigerum* Rudolphi, 1819, *Ovotrema ponticum*

Pigulewsky, 1938, *Pseudobacciger nicolli* (Palombi, 1934) Yamaguti, 1971, *Steringotrema ponticum* (Pigulewsky, 1938) Yamaguti, 1953

Microhabitat: Digestive system

Host: *Boops boops*⁽⁵⁹⁾⁽⁶⁰⁾, *Scomber japonicus*⁽⁵⁹⁾⁽⁶⁴⁾

Location: Aegean Sea⁽⁵⁹⁾⁽⁶⁰⁾⁽⁶⁴⁾

Record: Akmirza (2001)⁽⁵⁹⁾, Akmirza (1998)⁽⁶⁰⁾, Akmirza (1997)⁽⁶⁴⁾

Bacciger israelensis Fischthal, 1980

Synonym: -

Microhabitat: Intestine

Host: *Boops boops*⁽⁷⁴⁾, *Spicara maena*⁽⁷⁴⁾

Location: Aegean Sea⁽⁷⁴⁾

Record: Akmirza (2013)⁽⁷⁴⁾

Pronoprymna ventricosa (Rudolphi, 1891) Poche, 1926

Synonym: *Apoblema ventricosum* (Rudolphi, 1819) Monticelli, 1893, *Distoma ventricosum* Rudolphi, 1819, *Distomum carolinae* Stossich, 1888, *Orientophorus caspialosae* Kurochkin, 1964, *Pentagramma symmetricum* Chulkova, 1939, *Pronoprymna caspialosae* (Kurochkin, 1964), *Pronopyge carolinae* (Stossich, 1888) Dollfus, 1968, *Pronopyge ventricosa* (Rudolphi, 1819) Odhner, 1911, *Pseudopentagramma symmetricum* (Chulkova, 1939) Yamaguti, 1971

Microhabitat: Pyloric caeca

Host: *Alosa immaculata*⁽⁶⁶⁾, *Alosa fallax*⁽⁸⁵⁾

Location: Black Sea⁽⁶⁶⁾⁽⁸⁵⁾

Record: Özer et al. (2013)⁽⁶⁶⁾, Çetindağ (1993)⁽⁸⁵⁾

FAMILY FELLODISTOMIDAE

Monascus filiformis (Rudolphi, 1819) Looss, 1907

Synonym: *Distoma filiforme* Rudolphi, 1819, *Haplocladus filiformis* (Rudolphi, 1819) Odhner, 1911, *Haplocladus minor* Odhner, 1911, *Haplocladus orientalis* Srivastava, 1941, *Haplocladus typicus* Odhner, 1911, *Karachitrema trilobata* Bilqees, 1973, *Monascus americanus* Amato, 1983, *Monascus chauhani* Kumari, 1975, *Monascus elongatus* Karyakarte & Yadav, 1976, *Monascus mediolongiusculus* Ding, 1993, *Monascus minor* (Odhner, 1911) Dollfus, 1947, *Monascus monenteron* Looss, 1907, *Monascus netoi* Travassos, Teixeira de Freitas & Bührnheim, 1965, *Monascus orientalis* (Srivastava, 1941) Yamaguti, 1958, *Monascus ovilobatus* Kumari, 1975, *Monascus trilobatus* (Bilqees, 1973) Hafeezullah, 1984,

Monascus typicus (Odhner, 1911)
Yamaguti, 1954
Microhabitat: Intestine
Host: *Trachurus mediterraneus*⁽⁵⁹⁾⁽⁶²⁾,
Trachurus trachurus⁽³³⁾⁽⁷²⁾⁽⁷³⁾⁽⁸⁶⁾⁽⁸⁷⁾
Location: Black Sea⁽⁷³⁾; Aegean Sea⁽⁵⁹⁾⁽⁶²⁾⁽⁸⁶⁾; Sea of Marmara⁽³³⁾⁽⁷²⁾⁽⁸⁷⁾
Record: Oğuz (1995)⁽³³⁾, Akmirza (2001)⁽⁵⁹⁾, Akmirza (1998)⁽⁶²⁾, Oğuz and Bray (2006)⁽⁷²⁾, Öztürk and Özer (2016)⁽⁷³⁾, Keser *et al.* (2007)⁽⁸⁶⁾, Akmirza (2001)⁽⁸⁷⁾

***Monorchis monorchis* (Stossich, 1890) Looss, 1902**

Synonym: *Distomum monorchis* Stossich, 1890
Microhabitat: Intestine
Host: *Mugil cephalus*⁽²⁸⁾, *Parablennius sanguinolentus*⁽⁷⁷⁾
Location: Aegean Sea⁽²⁸⁾; Black Sea⁽⁷⁷⁾
Record: Tareen (1982)⁽²⁸⁾, Öztürk and Güven (2020)⁽⁷⁷⁾

***Monorchis parvus* Looss, 1902**

Synonym: -
Microhabitat: Intestine
Host: *Diplodus annularis*⁽⁷⁰⁾
Location: Black Sea⁽⁷⁰⁾
Record: Kornyychuk *et al.* (2016)⁽⁷⁰⁾

***Piriforma* sp.**

Synonym: -
Microhabitat: Intestine
Host: *Zosterisessor ophiocephalus*⁽³³⁾
Location: Sea of Marmara⁽³³⁾
Record: Oğuz (1995)⁽³³⁾

***Steringotrema pagelli* (van Beneden, 1871) Odhner, 1911**

Synonym: *Distoma pagelli* van Beneden, 1871, *Distomum tergustinum* Stossich, 1888, *Steringophorus cluthensis* Nicoll, 1909, *Steringotrema cluthense* (Nicoll, 1909) Odhner, 1911
Microhabitat: Intestine

Host: *Spicara maena*⁽⁷⁴⁾
Location: Aegean Sea⁽⁷⁴⁾
Record: Akmirza (2013)⁽⁷⁴⁾

***Tergestia laticollis* (Rudolphi, 1819) Stossich, 1899**

Synonym: *Distoma laticolle* Rudolphi, 1819, *Tergestia acanthogobii* Yamaguti, 1938
Microhabitat: Intestine
Host: *Trachurus mediterraneus*⁽⁵⁹⁾⁽⁶²⁾⁽⁷⁴⁾
Location: Aegean Sea⁽⁵⁹⁾⁽⁶²⁾⁽⁷⁴⁾
Record: Akmirza (2001)⁽⁵⁹⁾, Akmirza (1998)⁽⁶²⁾, Akmirza (2013)⁽⁷⁴⁾

FAMILY GORGODERIDAE

***Phyllodistomum acceptum* Looss, 1901**

Synonym: *Phyllodistomum (Catoptroides) acceptum* Looss, 1901 (superseded combination)
Microhabitat: Kidney, urinary bladder
Host: *Parablennius tentacularis*⁽⁷⁰⁾, *Parablennius sanguinolentus*⁽⁷⁷⁾
Location: Black Sea⁽⁷⁰⁾⁽⁷⁷⁾
Record: Kornyychuk *et al.* (2016)⁽⁷⁰⁾, Öztürk and Güven (2020)⁽⁷⁷⁾

FAMILY GYLIAUCHEMIDAE

***Robphildollfusium fractum* (Rudolphi, 1819) Paggi & Orecchia, 1963**

Synonym: *Distoma fractum* Rudolphi, 1819
Microhabitat: Intestine
Host: *Sarpa salpa*⁽⁸⁸⁾
Location: Mediterranean Sea⁽⁸⁸⁾
Record: Tepe and Oğuz (2013)⁽⁸⁸⁾

FAMILY HAPLOPORIDAE

***Dicrogaster contracta* Looss, 1902**

Synonym: *Dicrogaster contractus* Looss, 1902

Microhabitat: Intestine
Host: *Chelon ramada*⁽³³⁾⁽³⁵⁾, *Chelon saliens*⁽³⁵⁾, *Chelon labrosus*⁽³⁵⁾, *Oedalechilus labeo*⁽³⁵⁾, *Mugil cephalus*⁽³⁵⁾⁽⁸⁹⁾
Location: Aegean Sea⁽³⁵⁾; Sea of Marmara⁽³³⁾, Küçükçekmece Lagoon⁽⁸⁹⁾
Record: Oğuz (1995)⁽³³⁾, Altunel (1982)⁽³⁵⁾, Akmirza (1993)⁽⁸⁹⁾

***Dicrogaster perpusilla* Looss, 1902**

Synonym: *Dicrogaster perpusillus* Looss, 1902
Microhabitat: -
Host: *Chelon saliens*⁽⁷²⁾
Location: Sea of Marmara⁽⁷²⁾
Record: Oğuz and Bray (2006)⁽⁷²⁾

***Haploporus benedeni* (Stossich, 1887) Looss, 1902**

Synonym: *Distomum benedenii* Stossich, 1887 (Superseded combination), *Haploporus benedeni* (Stossich, 1887) Looss, 1902 (Lapsus), *Haploporus lateralis* Looss, 1902
Microhabitat: Stomach, intestine
Host: *Chelon saliens*⁽³⁵⁾, *Chelon ramada*⁽³⁵⁾, *Chelon labrosus*⁽³⁵⁾, *Oedalechilus labeo*⁽³⁵⁾, *Mugil cephalus*⁽³⁵⁾⁽³⁸⁾
Location: Aegean Sea⁽³⁵⁾, Karacabey Bayramdere Lagoon⁽³⁸⁾
Record: Altunel (1982)⁽³⁵⁾, Öztürk and Aydoğdu (2003)⁽³⁸⁾

***Saccocoelium obesum* Looss, 1902**

Synonym: *Haploporus longicollum* Vlassenko, 1931, *Haploporus longicolum* Vlassenko, 1931, *Wlassenkotrema longicollum* (Vlassenko, 1931) Skrjabin, 1956, *Wlassenkotrema longicolum* (Vlassenko, 1931) Skrjabin, 1956
Microhabitat: Intestine
Host: *Chelon auratus*⁽³⁵⁾, *Mugil cephalus*⁽³⁵⁾, *Chelon labrosus*⁽³⁵⁾⁽³⁶⁾,

Chelon ramada⁽³³⁾⁽³⁵⁾, *Chelon saliens*⁽³⁵⁾⁽⁷²⁾
Location: Aegean Sea⁽³⁵⁾; Mediterranean Sea, Beymelek Lagoon⁽³⁶⁾, Sea of Marmara⁽³³⁾⁽⁷²⁾
Record: Oğuz (1995)⁽³³⁾, Altunel (1982)⁽³⁵⁾, Aydoğdu *et al.* (2015)⁽³⁶⁾, Oğuz and Bray (2006)⁽⁷²⁾

***Saccocoelium tensum* Looss, 1902**

Synonym: *Lecithobotrys aegyptiacus* Hassan, Khidr & Abu Samak, 1990, *Lecithobotrys helmymohamedi* Ramadan, Saoud, Ashour & Mansour, 1988, *Neosaccocoelium aegyptiacum* El-Shahawi, El-Gindy, Imam & Al-Bassel, 1992, *Saccocoelium helmymohamedi* (Ramadan, Saoud, Ashour & Mansour, 1989) Overstreet & Curran, 2005, *Saccocoelium portsaidense* El-Shahawi, El-Gindy, Imam & Al-Bassel, 1992, *Saccocoelium portsaidensis* El-Shahawi, El-Gindy, Imam & Al-Bassel, 1992, *Saccocoelium saoudi* El-Shahawi, El-Gindy, Imam & Al-Bassel, 1992
Microhabitat: Intestine
Host: *Chelon saliens*⁽³⁵⁾, *Chelon ramada*⁽³⁵⁾, *Chelon auratus*⁽³⁵⁾, *Chelon labrosus*⁽³⁵⁾, *Mugil cephalus*⁽³⁵⁾⁽⁸⁹⁾
Location: Aegean Sea⁽³⁵⁾; Sea of Marmara, Küçükçekmece Lagoon⁽⁸⁹⁾
Record: Altunel (1982)⁽³⁵⁾, Akmirza (1993)⁽⁸⁹⁾

**FAMILY
HAPLOSPLANCHNIDAE**

***Haplospplanchnus pachysomus* (Eysenhardt, 1829) Looss, 1902**

Synonym: *Distoma pachysoma* Eysenhardt, 1829, *Haplospplanchnus otolithi* Gupta & Ahmad, 1979, *Haplospplanchnus pachysomus* (Eysenhardt, 1829) Looss, 1902, *Podocotyle pachysomum* (Eysenhardt, 1829) Stossich, 1898
Microhabitat: Stomach, intestine

Host: *Chelon auratus*⁽²¹⁾⁽³⁵⁾, *Mugil cephalus*⁽²²⁾⁽²⁴⁾⁽³⁵⁾⁽³⁸⁾⁽⁸⁹⁾, *Chelon saliens*⁽³⁵⁾, *Chelon ramada*⁽³⁵⁾, *Chelon labrosus*⁽³⁵⁾,

Location: Black Sea, Samsun Kızılırmak Delta Bafra Fish Lakes⁽²¹⁾⁽²²⁾⁽²⁴⁾; Aegean Sea⁽³⁵⁾, Karacabey Bayramdere Lagoon⁽³⁸⁾; Sea of Marmara, Küçükçekmece Lagoon⁽⁸⁹⁾

Record: Özer and Yılmaz Kırca (2013)⁽²¹⁾, Özer and Yılmaz Kırca (2015)⁽²²⁾, Özer *et al.* (2016)⁽²⁴⁾, Altunel (1982)⁽³⁵⁾, Öztürk and Aydoğdu (2003)⁽³⁸⁾, Akmirza (1993)⁽⁸⁹⁾

Schikhobalotrema sparisomae
(Manter, 1937) Skrjabin & Guschanskaja, 1955

Synonym: *Haplospilanchnus sparisomae* Manter, 1938, *Schikhobalotrema sparisoma* (Manter, 1938) Skrjabin & Guschanskaja, 1955

Microhabitat: Intestine

Host: *Chelon ramada*⁽³³⁾, *Chelon labrosus*⁽³⁵⁾, *Mugil cephalus*⁽³⁵⁾, *Chelon saliens*⁽³⁵⁾⁽⁷²⁾⁽⁸⁶⁾⁽⁹⁰⁾, *Chelon auratus*⁽⁷⁴⁾

Location: Aegean Sea⁽³⁵⁾⁽⁷⁴⁾⁽⁹⁰⁾; Sea of Marmara⁽³³⁾⁽⁷²⁾⁽⁸⁶⁾

Record: Oğuz (1995)⁽³³⁾, Altunel (1982)⁽³⁵⁾, Oğuz and Bray (2006)⁽⁷²⁾, Akmirza (2013)⁽⁷⁴⁾, Keser *et al.* (2007)⁽⁸⁶⁾, Keser (2002)⁽⁹⁰⁾

Schikhobalotrema sp.

Synonym: -

Microhabitat: Intestine

Host: *Chelon labrosus*⁽³⁵⁾

Location: Aegean Sea⁽³⁵⁾

Record: Altunel (1982)⁽³⁵⁾

FAMILY HEMUIRIDAE

***Aphanurus stossichii* (Monticelli, 1891) Looss, 1907**

Synonym: *Aphanurus monolecithus* (Srivastava, 1941) Manter, 1947,

Apoblema stossichii Monticelli, 1891 (Superseded combination), *Hemius stossichii* (Monticelli, 1891)

(Superseded combination), *Minutocauda monolecithus*

(Srivastava, 1941) Srivastava &

Sahai, 1977 (Superseded combination), *Sterrhurus*

monolecithus Srivastava, 1941

Microhabitat: Digestive system

Host: *Boops boops*⁽⁵⁸⁾⁽⁵⁹⁾⁽⁶⁰⁾⁽⁷⁴⁾⁽⁹¹⁾

Location: Aegean Sea⁽⁵⁸⁾⁽⁵⁹⁾⁽⁶⁰⁾⁽⁷⁴⁾; Mediterranean Sea⁽⁹¹⁾

Record: Akmirza (2000)⁽⁵⁸⁾, Akmirza (2001)⁽⁵⁹⁾, Akmirza (1998)⁽⁶⁰⁾, Akmirza (2013)⁽⁷⁴⁾, Kostadinova *et al.* (2004)⁽⁹¹⁾

***Ectenurus lepidus* Looss, 1907**

Synonym: *Ectenurus chloroscombri*

(Siddiqi & Cable, 1960), *Ectenurus*

trachuri Nikolaeva & Kovaleva,

1966, *Elytrophallus chloroscombri*

(Siddiqi & Cable, 1960) Yamaguti,

1971, *Hemius shalabyi* El-Serafy,

Ramadan, Morsy & Lashein, 2002,

Parectenurus chloroscombri Siddiqi & Cable, 1960

Microhabitat: Intestine

Host: *Trachurus trachurus*⁽⁷³⁾⁽⁸⁶⁾,

Trachurus mediterraneus⁽⁵⁹⁾⁽⁶²⁾,

Scomber japonicus⁽⁵⁹⁾⁽⁶⁴⁾⁽⁶⁵⁾, *Diplodus sargus*⁽⁵⁸⁾⁽⁵⁹⁾

Location: Aegean Sea⁽⁵⁸⁾⁽⁵⁹⁾⁽⁶²⁾⁽⁶⁴⁾⁽⁶⁵⁾

⁽⁸⁶⁾; Mediterranean Sea⁽⁶⁵⁾; Black Sea⁽⁷³⁾

Record: Akmirza (2000)⁽⁵⁸⁾, Akmirza (2001)⁽⁵⁹⁾, Akmirza (1998)⁽⁶²⁾,

Akmirza (1997)⁽⁶⁴⁾, Akmirza

(2003)⁽⁶⁵⁾, Öztürk and Özer (2016)⁽⁷³⁾,

Keser *et al.* (2007)⁽⁸⁶⁾

***Hemius communis* Odhner, 1905**

Synonym: -

Microhabitat: Digestive system

Host: *Boops boops*⁽⁵⁹⁾⁽⁶⁰⁾

Location: Aegean Sea⁽⁵⁹⁾⁽⁶⁰⁾

Record: Akmirza (2001)⁽⁵⁹⁾, Akmirza (1998)⁽⁶⁰⁾

***Lecithochirium musculus* (Looss,
1907) Nasir & Diaz, 1971**

Synonym: *Brachyphallus musculus* (Looss, 1907) Skrjabin & Guschanskaja, 1955, *Sterrhurus musculus* Looss, 1907

Microhabitat: Intestine

Host: *Gaidropsarus mediterraneus*⁽⁷¹⁾⁽⁹²⁾, *Ophidion rochei*⁽⁷⁵⁾⁽⁹²⁾, *Solea solea*⁽⁸²⁾⁽⁹²⁾, *Chelidonichthys lucerna*⁽⁹²⁾, *Scorpaena porcus*⁽⁹²⁾, *Mesogobius batrachocephalus*⁽⁹²⁾

Location: Black Sea⁽⁷¹⁾⁽⁷⁵⁾⁽⁸²⁾⁽⁹²⁾

Record: Öztürk and Çam (2016)⁽⁷¹⁾, Tepe *et al.* (2014)⁽⁷⁵⁾, Çam and Öztürk (2016)⁽⁸²⁾, Çam and Öztürk (2016)⁽⁹²⁾

***Lecithocladium excisum* (Rudolphi,
1819) Lühe, 1901**

Synonym: *Distoma excisum* Rudolphi, 1819 (Superseded combination), *Distomum crenatum* Molin, 1859 (Superseded combination), *Lecithocladium crenatum* (Molin, 1859) Looss, 1907

Microhabitat: Intestine

Host: *Scomber japonicus*⁽⁷⁴⁾, *Scomber scombrus*⁽⁸⁶⁾

Location: Aegean Sea⁽⁷⁴⁾⁽⁸⁶⁾

Record: Akmirza (2013)⁽⁷⁴⁾, Keser *et al.* (2007)⁽⁸⁶⁾

FAMILY HETEROPHIDAE

***Ascocotyle coleostoma* (Looss, 1896)
Looss, 1899**

Synonym: *Anoiktostoma coleostomum* (Looss, 1896) Stossich, 1899, *Distoma coleostomum* Looss, 1896

Microhabitat: Heart, gills, wall of intestine and stomach

Host: *Neogobius melanostomus*⁽⁹³⁾, *Proterorhinus marmoratus*⁽⁹³⁾, *Gasterosteus aculeatus*⁽⁹³⁾, *Platichthys flesus*⁽⁹³⁾, *Chelon auratus*⁽⁹³⁾

Location: Black Sea, Sinop Sarıkum Lagoon⁽⁹³⁾

Record: Öztürk and Özer (2019)⁽⁹³⁾

***Ascocotyle (Phagicola) longa*
Ransom, 1920**

Synonym: *Ascocotyle arnaldoi* Travassos, 1928, *Metascocotyle witenbergi* Ciurea, 1933, *Parascocotyle longa* (Ransom, 1920), *Phagicola longa* (Ransom, 1920) Price, 1932, *Phagicola longus* (Ransom, 1920) Price, 1932

Microhabitat: Gills

Host: *Chelon auratus*⁽²¹⁾, *Mugil cephalus*⁽²²⁾⁽²⁴⁾

Location: Black Sea, Samsun Kızılırmak Delta Bafra Fish Lakes⁽²¹⁾⁽²²⁾⁽²⁴⁾

Record: Özer and Yılmaz Kırca (2013)⁽²¹⁾, Özer and Yılmaz Kırca (2015)⁽²²⁾, Özer *et al.* (2016)⁽²⁴⁾

***Ascocotyle* sp.**

Synonym: *Ascocotyle* (Leighia) Sogandares-Bernal & Lumsden, 1963, *Ascocotyle (Phagicola)* Faust, 1920, *Metascocotyle* Ciurea, 1933, *Parascocotyle* Stunkard & Haviland, 1924, *Phagicola* Faust, 1920

Microhabitat: Gills, intestine

Host: *Platichthys flesus*⁽¹⁾, *Chelon auratus*⁽²⁰⁾⁽²³⁾, *Neogobius melanostomus*⁽⁵¹⁾, *Neogobius fluviatilis*⁽⁵²⁾

Location: Black Sea, Sinop Sarıkum Lagoon⁽¹⁾⁽²⁰⁾⁽²³⁾, Sinop Sırakaraağaçlar Stream⁽⁵¹⁾, Samsun Kızılırmak Delta Bafra Fish Lakes⁽⁵²⁾

Record: Öztürk and Özer (2008)⁽¹⁾, Öztürk and Özer (2009)⁽²⁰⁾, Öztürk (2013)⁽²³⁾, Özer (2007)⁽⁵¹⁾, Güven and Öztürk (2018)⁽⁵²⁾

***Cryptocotyle concava* (Creplin,
1825) Lühe, 1899**

Synonym: *Distoma concavum* Creplin, 1925, *Tocotrema concavum* (Creplin, 1825)

Microhabitat: Fins, skin

Host: *Neogobius melanostomus*⁽⁹³⁾, *Proterorhinus marmoratus*⁽⁹³⁾

Location: Black Sea, Sinop Sarıkum Lagoon⁽⁹³⁾
Record: Öztürk and Özer (2019)⁽⁹³⁾

Galactosomum lacteum
(Jägerskiöld, 1896) Looss, 1899

Synonym: *Monostomum lacteum*
Jägerskiöld, 1896
Microhabitat: Gills, kidney
Host: *Mullus barbatus*⁽¹²⁾⁽⁹⁴⁾,
Uranoscopus scaber⁽⁵⁵⁾, *Gaidropsarus*
mediterraneus⁽⁷¹⁾, *Parablennius*
sanguinolentus⁽⁷⁷⁾, *Neogobius*
melanostomus⁽⁸¹⁾, *Gobius niger*⁽⁸¹⁾
Location: Black Sea⁽¹²⁾⁽⁵⁵⁾⁽⁷¹⁾⁽⁷⁷⁾⁽⁸¹⁾⁽⁹⁴⁾
Record: Öztürk and Yeşil (2014)⁽¹²⁾,
Öztürk et al. (2017)⁽⁵⁵⁾, Öztürk and
Güven (2020)⁽⁷⁷⁾, Öztürk and Çam
(2016)⁽⁷¹⁾, Çam and Öztürk (2016)⁽⁸¹⁾,
Öztürk and Yeşil (2018)⁽⁹⁴⁾

Heterophyes heterophyes (Siebold,
1853)

Synonym: *Distoma heterophyes*
Siebold, 1853, *Heterophyes*
aegyptiaca Cobbold, 1866
Microhabitat: -
Host: *Mugil cephalus*⁽²⁸⁾
Location: Aegean Sea⁽²⁸⁾
Record: Tareen (1982)⁽²⁸⁾

***Pygidiopsis genata* Looss, 1907**

Synonym: -
Microhabitat: Wall of intestine and
stomach
Host: *Neogobius melanostomus*⁽⁵¹⁾⁽⁹³⁾
Location: Black Sea, Sinop
Sırakaraağaçlar Stream⁽⁵¹⁾, Sinop
Sarıkum Lagoon⁽⁹³⁾
Record: Özer (2007)⁽⁵¹⁾, Öztürk and
Özer (2019)⁽⁹³⁾

FAMILY LECITHASTERIDAE

***Lecithaster confusus* Odhner, 1905**

Synonym: *Hemiurus bothryophorus*
Olsson of Looss, 1899, *Lecithaster*

bothryophorus (Olsson) Lühe, 1901,
Lecithaster musteli Srivastava, 1966
Microhabitat: -
Host: *Alosa immaculata*⁽⁶⁶⁾
Location: Black Sea⁽⁶⁶⁾
Record: Özer et al. (2013)⁽⁶⁶⁾

***Lecithaster helodes* Overstreet, 1973**

Synonym: -
Microhabitat: -
Host: *Chelon ramada*⁽³⁵⁾
Location: Aegean Sea⁽³⁵⁾
Record: Altunel (1982)⁽³⁵⁾

***Lecithaster* sp.**

Synonym: -
Microhabitat: -
Host: *Pomatomus saltatrix*⁽⁹⁵⁾
Location: Not reported, Eskişehir
Fish Bazaar⁽⁹⁵⁾
Record: Yetim (1985)⁽⁹⁵⁾

FAMILY LEPIDAPEDIDAE

***Lepidapedon elongatum* (Lebow,
1908) Nicoll, 1910**

Synonym: *Lepidapedon*
microcotyleum Odhner in Dollfus,
1953, *Lepodora elongata* Lebour,
1908, *Lepodora microcotyleum*
Odhner, 1905
Microhabitat: Digestive system
Host: *Scomber japonicus*⁽⁵⁹⁾⁽⁶⁴⁾⁽⁶⁵⁾
Location: Aegean Sea⁽⁵⁹⁾⁽⁶⁴⁾⁽⁶⁵⁾;
Mediterranean Sea⁽⁶⁵⁾
Record: Akmirza (2001)⁽⁵⁹⁾, Akmirza
(1997)⁽⁶⁴⁾, Akmirza (2003)⁽⁶⁵⁾

FAMILY LEPOCREADIIDAE

***Lepocreadium album* (Stossich,
1890) Stossich, 1904**

Synonym: *Distomum album* Stossich,
1890
Microhabitat: Digestive system
Host: *Boops boops*⁽⁵⁸⁾⁽⁵⁹⁾⁽⁶⁰⁾⁽⁷⁴⁾,
Diplodus annularis⁽⁵⁸⁾⁽⁵⁹⁾⁽⁷⁴⁾, *Diplodus*
vulgaris⁽⁵⁸⁾⁽⁵⁹⁾⁽⁷⁴⁾, *Diplodus sargus*⁽⁵⁸⁾

⁽⁵⁹⁾, *Spondyllosoma cantharus*⁽⁵⁸⁾⁽⁵⁹⁾⁽⁷⁴⁾, *Oblada melanura*⁽⁵⁸⁾⁽⁵⁹⁾, *Spicara smaris*⁽⁵⁹⁾, *Gaidropsarus mediterraneus*⁽⁷¹⁾
Location: Aegean Sea⁽⁵⁸⁾⁽⁵⁹⁾⁽⁶⁰⁾⁽⁷⁴⁾, Black Sea⁽⁷¹⁾
Record: Akmirza (2000)⁽⁵⁸⁾, Akmirza (2001)⁽⁵⁹⁾, Akmirza (1998)⁽⁶⁰⁾, Öztürk and Çam (2016)⁽⁷¹⁾, Akmirza (2013)⁽⁷⁴⁾

***Opechona bacillaris* (Molin 1859)
Looss, 1907**

Synonym: *Distoma increscens* Olsson, 1868, *Distomum bacillare* Molin, 1859, *Lepocreadium guptai* Gupta & Gupta, 1987, *Opechona retractilis* (Lebour, 1908) Yamaguti, 1954, *Pharyngora bacillaris* (Molin, 1859), *Pharyngora retractilis* Lebour, 1908
Microhabitat: Intestine
Host: *Trachurus mediterraneus*⁽⁵⁹⁾⁽⁶²⁾, *Scomber scombrus*⁽⁸⁶⁾, *Pomatomus saltatrix*⁽⁸⁶⁾⁽⁹⁰⁾
Location: Aegean Sea⁽⁵⁹⁾⁽⁶²⁾⁽⁹⁰⁾, Sea of Marmara⁽⁸⁶⁾
Record: Akmirza (2001)⁽⁵⁹⁾, Akmirza (1998)⁽⁶²⁾, Keser *et al.* (2007)⁽⁸⁶⁾, Keser (2002)⁽⁹⁰⁾

***Opechona ollsoni* (Yamaguti, 1934)
Yamaguti, 1938**

Synonym: *Neopechona olssoni* (Yamaguti, 1934) Shimazu, 1986, *Pharyngora olssoni* Yamaguti, 1934
Microhabitat: Intestine
Host: *Scomber japonicus*⁽⁵⁹⁾⁽⁶⁴⁾⁽⁶⁵⁾⁽⁷⁴⁾
Location: Aegean Sea⁽⁵⁹⁾⁽⁶⁴⁾⁽⁶⁵⁾⁽⁷⁴⁾
Record: Akmirza (2001)⁽⁵⁹⁾, Akmirza (1997)⁽⁶⁴⁾, Akmirza (2003)⁽⁶⁵⁾, Akmirza (2013)⁽⁷⁴⁾

***Opechona pyriformis* (Linton, 1900)
Bray & Gibson, 1990**

Synonym: *Distomum pyriforme* Linton, 1900, *Lepocreadium pyriforme* (Linton, 1900) Linton,

1934, *Neopechona pyriformis* (Linton, 1900) Stunkard, 1969

Microhabitat: Intestine

Host: *Trachurus mediterraneus*⁽⁵⁹⁾⁽⁶²⁾, *Trachurus trachurus*⁽⁸⁷⁾

Location: Aegean Sea⁽⁵⁹⁾⁽⁶²⁾; Sea of Marmara⁽⁸⁷⁾

Record: Akmirza (2001)⁽⁵⁹⁾, Akmirza (1998)⁽⁶²⁾, Akmirza (2001)⁽⁸⁷⁾

***Prodistomum polonii* (Molin, 1859)
Bray & Gibson, 1990**

Synonym: *Distomum polonii* Molin, 1859, *Lepidapedon carcini* Mordvinova, 1985, *Lepidapedon ricci* Sezen-Akandere, 1972, *Lepidapedon sengunii* Sezen-Akandere, 1972, *Opechona magnibursata* Gaevskaya & Kovaleva, 1982, *Opechona polonii* (Molin, 1859) Janiszewska, 1953
Microhabitat: Intestine
Host: *Trachurus trachurus*⁽⁷³⁾⁽⁸⁶⁾⁽⁹⁶⁾
Location: Black Sea⁽⁷³⁾; Aegean Sea⁽⁸⁶⁾; Sea of Marmara⁽⁹⁶⁾
Record: Öztürk and Özer (2016)⁽⁷³⁾, Keser *et al.* (2007)⁽⁸⁶⁾, Sezen-Akandere (1972)⁽⁹⁶⁾

FAMILY MACRODEROIDIDAE

***Paramacroderoides* sp.**

Synonym: -

Microhabitat: -

Host: *Pomatomus saltatrix*⁽⁹⁵⁾

Location: Not determined, Eskişehir Fish Bazaar⁽⁹⁵⁾

Record: Yetim (1985)⁽⁹⁵⁾

FAMILY MESOMETRIDAE

***Centroderma* sp.**

Synonym: -

Microhabitat: Intestine

Host: *Sarpa salpa*⁽⁸⁸⁾

Location: Mediterranean Sea⁽⁸⁸⁾

Record: Tepe and Oğuz (2013)⁽⁸⁸⁾

***Elstia stossichianum* (Monticelli,
1892) Bray, 1984**

Synonym: *Centroderma stossichianum* (Monticelli, 1892)
Skrjabin, 1963, *Monostomum stossichianum* Monticelli, 1892
Microhabitat: Intestine
Host: *Sarpa salpa*⁽⁷⁴⁾
Location: Aegean Sea⁽⁷⁴⁾
Record: Akmirza (2013)⁽⁷⁴⁾

***Mesometra brachycoelia* Lühe 1901**

Synonym: -
Microhabitat: Intestine
Host: *Sarpa salpa*⁽⁸⁸⁾
Location: Mediterranean Sea⁽⁸⁸⁾
Record: Tepe and Oğuz (2013)⁽⁸⁸⁾

***Mesometra orbicularis* (Rudolphi 1819)**

Synonym: *Monostoma orbiculare* Rudolphi, 1819
Microhabitat: Intestine
Host: *Sarpa salpa*⁽⁷⁴⁾⁽⁸⁸⁾
Location: Aegean Sea⁽⁷⁴⁾, Mediterranean Sea⁽⁸⁸⁾
Record: Akmirza (2013)⁽⁷⁴⁾, Tepe and Oğuz (2013)⁽⁸⁸⁾

FAMILY MONORCHIIDAE

***Lasiotocus typicum* (Nicoll, 1912) Bartoli & Bray, 2004**

Synonym: *Ancylocoelium israelense* Fischthal, 1980, *Ancylocoelium typicum* Nicoll, 1912, *Lasiotocus israelensis* (Fischthal, 1980)
Microhabitat: Intestine
Host: *Trachurus trachurus*⁽⁷³⁾
Location: Black Sea⁽⁷³⁾
Record: Öztürk and Özer (2016)⁽⁷³⁾

***Proctotrema bacilliovatum* Odhner, 1911**

Synonym: *Genolopa bacilliovatum* (Odhner, 1911) Hopkins, 1941, *Lasiotocus bacilliovatum* (Odhner, 1911) Papoutsoglou, 1976
Microhabitat: Digestive system

Host: *Mullus barbatus*⁽¹²⁾⁽⁹⁴⁾, *Mullus surmuletus*⁽⁵⁹⁾⁽⁹⁷⁾,
Location: Black Sea⁽¹²⁾⁽⁹⁴⁾, Aegean Sea⁽⁵⁹⁾⁽⁹⁷⁾
Record: Öztürk and Yeşil (2014)⁽¹²⁾, Akmirza (2001)⁽⁵⁹⁾, Öztürk and Yeşil (2018)⁽⁹⁴⁾, Akmirza (2000)⁽⁹⁷⁾

FAMILY OPECOELIDAE

***Allopodocotyle pedicellata* (Stossich, 1887) Pritchard, 1966**

Synonym: *Distomum pedicellatum* Stossich, 1887, *Podocotyle pedicellata* (Stossich, 1887) Stossich, 1898
Microhabitat: -
Host: *Pagrus pagrus*⁽⁵⁸⁾⁽⁵⁹⁾
Location: Aegean Sea⁽⁵⁸⁾⁽⁵⁹⁾
Record: Akmirza (2000)⁽⁵⁸⁾, Akmirza (2001)⁽⁵⁹⁾

***Bathycreadium* sp.**

Synonym: -
Microhabitat: -
Host: *Phycis phycis*⁽⁷⁴⁾
Location: Aegean Sea⁽⁷⁴⁾
Record: Akmirza (2013)⁽⁷⁴⁾

***Cainocreadium* sp.**

Synonym: *Apopodocotyle* Pritchard, 1966, *Cainocreadoides* Nagaty, 1956, *Emmetrema* Caballero, 1946
Microhabitat: -
Host: *Gaidropsarus mediterraneus*⁽⁷¹⁾
Location: Black Sea⁽⁷¹⁾
Record: Öztürk and Çam (2016)⁽⁷¹⁾

***Gaevskajatrema perezii* (Mathias, 1926) Gibson & Bray, 1982**

Synonym: *Peracreadium perezii* Mathias, 1926
Microhabitat: Intestine
Host: *Symphodus tinca*⁽³³⁾⁽⁷²⁾
Location: Sea of Marmara⁽³³⁾⁽⁷²⁾
Record: Oğuz (1995)⁽³³⁾, Oğuz and Bray (2006)⁽⁷²⁾

***Gaevskajatrema ponticum* (Koval,
1966) Machkevsky, 1990**

Synonym: *Gaevskajatrema pontica*
(Koval, 1966) Machkevsky, 1990,
Plagioporus pontica Koval, 1970
Microhabitat: Intestine
Host: *Symphodus tinca*⁽³³⁾
Location: Sea of Marmara⁽³³⁾
Record: Oğuz (1995)⁽³³⁾

***Helicometra fasciata* (Rudolphi,
1819) Odhner, 1902**

Synonym: *Distoma fasciatum*
Rudolphi, 1819, *Distoma pulchellum*
Rudolphi, 1819, *Distomum gobii*
Stossich, 1883, *Distomum labri*
Stossich, 1886, *Helicometra*
dochmosorchis Manter & Pritchard,
1960, *Helicometra flava* Stossich,
1903, *Helicometra gobii* (Stossich,
1883) Stossich, 1904, *Helicometra*
hypodytis Yamaguti, 1934,
Helicometra labri (Stossich, 1886)
Issaïtschikov, 1928, *Helicometra*
markewitschi Pogorel'tseva, 1954,
Helicometra marmoratae Nagaty &
Abdel Aal, 1962, *Helicometra*
mutabilis (Stossich, 1902) Stossich,
1903, *Helicometra neoscorpanae*
Wang, Wang & Zhang, 1992,
Helicometra pulchella (Rudolphi,
1819) Odhner, 1902, *Helicometra*
scorpaenae Wang, 1982, *Helicometra*
sinuata (Rudolphi, 1819) Odhner,
1902, *Helicometra upapalu*
Yamaguti, 1970, *Loborchis mutabilis*
Stossich, 1902
Microhabitat: Intestine
Host: *Scorpena scrofa*⁽³³⁾⁽⁵⁹⁾⁽⁷²⁾⁽⁷⁶⁾,
Gobius cobitis⁽³³⁾⁽⁷²⁾, *Zosterisessor*
ophiocephalus⁽³³⁾⁽⁷²⁾, *Symphodus*
tinca⁽³³⁾⁽⁵⁹⁾⁽⁷²⁾, *Gaidropsarus*
mediterraneus⁽³³⁾⁽⁵⁹⁾⁽⁷²⁾,
Chelidonichthys lucerna⁽⁵⁹⁾, *Pagellus*
erythrinus⁽⁵⁸⁾⁽⁵⁹⁾⁽⁷⁴⁾, *Conger conger*⁽⁵⁹⁾
⁽⁷⁴⁾⁽⁷²⁾, *Scorpaena porcus*⁽⁵⁹⁾⁽⁷⁵⁾⁽⁷⁶⁾,
Trachinus draco⁽⁶⁷⁾, *Symphodus*
cinereus⁽⁷⁰⁾, *Scorpaena notata*⁽⁷⁶⁾,
Mesogobius bathriocephalus⁽⁸¹⁾,
Gobius niger⁽⁸¹⁾, *Neogobius*

melanostomus⁽⁸¹⁾, *Ponticola*
kessleri⁽⁸¹⁾

Location: Sea of Marmara⁽²⁶⁾⁽³³⁾⁽⁷²⁾,
Black Sea⁽⁷⁰⁾⁽⁷⁵⁾⁽⁸¹⁾, Aegean Sea⁽⁵⁸⁾⁽⁵⁹⁾
⁽⁶⁷⁾⁽⁷²⁾⁽⁷⁴⁾⁽⁷⁶⁾

Record: Oğuz (1995)⁽³³⁾, Akmirza
(2000)⁽⁵⁸⁾, Akmirza (2001)⁽⁵⁹⁾,
Akmirza (2004)⁽⁶⁷⁾, Kornyychuk *et al.*
(2016)⁽⁷⁰⁾, Oğuz and Bray (2006)⁽⁷²⁾,
Akmirza (2013)⁽⁷⁴⁾, Tepe *et al.*
(2014)⁽⁷⁵⁾, Şenol (2004)⁽⁷⁶⁾, Çam and
Öztürk (2016)⁽⁸¹⁾

***Helicometra insolita* Polyanski, 1955**

Synonym: *Neohelicometra insolita*
(Polyansky, 1955) Sekerak & Arai,
1974
Microhabitat: Intestine
Host: *Symphodus tinca*⁽³³⁾
Location: Sea of Marmara⁽³³⁾
Record: Oğuz (1995)⁽³³⁾

***Helicometra* sp.**

Synonym: *Allosthenopera* Baeva,
1968, *Helicometra (Metahelicometra)*
Yamaguti, 1971, *Loborchis* Stossich,
1902, *Stenopera* Manter, 1933
(synonym)
Microhabitat: -
Host: *Solea solea*⁽⁸²⁾
Location: Black Sea⁽⁸²⁾
Record: Çam and Öztürk (2016)⁽⁸²⁾

***Macvicaria alacris* (Looss 1901)
Gibson & Bray, 1982**

Synonym: *Allocreadium alacre*
(Looss, 1901) Stossich, 1905,
Distomum alacre Looss, 1901,
Lebouria alacris (Looss, 1901)
Nicoll, 1909, *Plagioporus alacris*
(Looss, 1901) Price, 1934
Microhabitat: -
Host: *Symphodus tinca*⁽⁷²⁾
Location: Sea of Marmara⁽⁷²⁾
Record: Oğuz and Bray (2006)⁽⁷²⁾

***Nicolla gallica* (Dollfus, 1941)
Dollfus, 1959**

Synonym: *Coitocaecum gallicum*
Dollfus, 1941
Microhabitat: -
Host: *Anguilla anguilla*⁽⁴⁹⁾
Location: Aegean Sea⁽⁴⁹⁾
Record: Altunel (1980)⁽⁴⁹⁾

***Opecoeloides furcatus* (Bremser in Rudolphi, 1819) Odhner, 1928**

Synonym: *Distoma furcatum*
Bremser in Rudolphi, 1819,
Distomum furcatum Bremser in Rudolphi, 1819
Microhabitat: Intestine
Host: *Mullus surmuletus*⁽⁵⁹⁾⁽⁷⁴⁾⁽⁹⁷⁾
Location: Aegean Sea⁽⁵⁹⁾⁽⁷⁴⁾⁽⁹⁷⁾
Record: Akmirza (2001)⁽⁵⁹⁾, Akmirza (2013)⁽⁷⁴⁾, Akmirza (2000)⁽⁹⁷⁾

Opecoelidae gen. sp.

Synonym: -
Microhabitat: Gills
Host: *Parablennius sanguinolentus*⁽⁷⁷⁾
Location: Black Sea⁽⁷⁷⁾
Record: Öztürk and Güven (2020)⁽⁷⁷⁾

***Pachycreadium carnosum* (Rudolphi, 1819) Cortini & Ferretti, 1959**

Synonym: *Distoma carnosum*
Rudolphi, 1919
Microhabitat: Intestine
Host: *Pagellus acarne*⁽⁷⁴⁾
Location: Aegean Sea⁽⁷⁴⁾
Record: Akmirza (2013)⁽⁷⁴⁾

***Peracreadium genu* (Rudolphi, 1819) Nicoll, 1909**

Synonym: *Distoma genu* Rudolphi, 1819
Microhabitat: Intestine
Host: *Parablennius sanguinolentus*⁽⁷⁷⁾
Location: Black Sea⁽⁷⁷⁾
Record: Öztürk and Güven (2020)⁽⁷⁷⁾

***Plagioporus dogieli* Pogorelzeva in Solonchenko, 1975**

Synonym: -
Microhabitat: Intestine
Host: *Symphodus tinca*⁽³³⁾
Location: Sea of Marmara⁽³³⁾
Record: Oğuz (1995)⁽³³⁾

FAMILY STRIGEIDAE

***Apatemon gracilis* (Rudolphi, 1819) Szidat, 1928**

Synonym: *Amphistoma gracile*
Rudolphi, 1819, *Strigea gracilis* (Rudolphi, 1819)
Microhabitat: -
Host: *Neogobius fluviatilis*⁽⁵²⁾, *Proterorhinus marmoratus*⁽⁵²⁾
Location: Black Sea, Samsun Kızılırmak Delta Bafra Fish Lakes⁽⁵²⁾
Record: Güven and Öztürk (2018)⁽⁵²⁾

FAMILY ZOOGONIDAE

***Diptherostomum brusinae* (Stossich, 1888) Stossich, 1904**

Synonym: *Diptherostomum anisotremi* Nahhas & Cable, 1964, *Diptherostomum israelense* Fischthal, 1980, *Diptherostomum macrosaccum* Montgomery, 1957, *Diptherostomum sargusannularis* Vlasenko, 1931, *Diptherostomum spari* Yamaguti, 1938, *Diptherostomum tropicum* Durio & Manter, 1968, *Distomum brusinae* Stossich, 1888
Microhabitat: Intestine
Host: *Zosterisessor ophiocephalus*⁽³³⁾⁽⁷²⁾
Location: Sea of Marmara⁽³³⁾⁽⁷²⁾
Record: Oğuz (1995)⁽³³⁾, Oğuz and Bray (2006)⁽⁷²⁾

***Lecithostaphylus retroflexus* (Molin, 1859) Odhner, 1911**

Synonym: *Distomum retroflexum*
Molin, 1859, *Lecithostaphylus spondyliosomae* Fantham, 1938, *Manteroderma spondyliosomae* (Fantham, 1938) Skrjabin, 1957, *Steganoderma retroflexum* (Molin,

1859) Manter, 1947, *Steganoederma spondyliosomae* (Fantham, 1938)
Manter, 1947

Microhabitat: Intestine

Host: *Belone belone*⁽⁵⁷⁾⁽⁸⁶⁾⁽⁹⁰⁾

Location: Sea of Marmara⁽⁵⁷⁾⁽⁸⁶⁾,
Aegean Sea⁽⁹⁰⁾

Record: Uysal *et al.* (2019)⁽⁵⁷⁾, Keser *et al.* (2007)⁽⁸⁶⁾, Keser (2002)⁽⁹⁰⁾

SUBCLASS DIGenea

Digenea gen. sp.

Synonym: -

Microhabitat: Intestine

Host: *Alosa fallax*⁽³⁹⁾, *Mugil cephalus*⁽³⁹⁾, *Neogobius melanostomus*⁽⁵¹⁾, *Anguilla anguilla*⁽⁵³⁾

Location: Sea of Marmara, Gala Lake⁽³⁹⁾; Aegean Sea, Köyceğiz Lagoon⁽⁵³⁾; Black Sea, Sinop Sırakaraağaçlar Stream⁽⁵¹⁾

Record: Soylu (2014)⁽³⁹⁾, Özer (2007)⁽⁵¹⁾, Özesen Çolak *et al.* (2012)⁽⁵³⁾

CLASS CESTODA

FAMILY ACROBOTHRIIDAE

Didymobothrium rudolphii
(Monticelli, 1890) Nybelin, 1922

Synonym: -

Microhabitat: Intestine

Host: *Solea solea*⁽³³⁾⁽³⁴⁾

Location: Sea of Marmara⁽³³⁾⁽³⁴⁾

Record: Oğuz (1995)⁽³³⁾, Oğuz and Bray (2008)⁽³⁴⁾

FAMILY ANTHOCEPHALIIDAE

Anthocephalum gracile (Wedl, 1855)
Ruhnke, 1994

Synonym: *Phyllobothrium gracile*
Wedl, 1855

Microhabitat: Intestine

Host: *Raja clavata*⁽⁵⁹⁾, *Trachinus araneus*⁽⁵⁹⁾, *Pegusa nasuta*⁽⁵⁹⁾,
Torpedo marmorata⁽⁹⁸⁾

Location: Aegean Sea⁽⁵⁹⁾⁽⁹⁸⁾

Record: Akmirza (2001)⁽⁵⁹⁾, Akmirza (2013)⁽⁹⁸⁾

FAMILY

BOTHRIOCEPHALIDAE

Bothriocephalus acheilognathi
Yamaguti, 1934

Synonym: *Bothriocephalus gowkongensis* Yeh, 1955,
Bothriocephalus opsariichthydis
Yamaguti, 1934, *Schyzocotyle*
acheilognathi (Yamaguti, 1934)

Microhabitat: -

Host: *Neogobius fluviatilis*⁽⁵²⁾,
Proterorhinus marmoratus⁽⁵²⁾

Location: Black Sea, Samsun Kızılırmak Delta Bafra Fish Lakes⁽⁵²⁾

Record: Güven and Öztürk (2018)⁽⁵²⁾

Bothriocephalus claviceps (Goeze,
1782) Rudolphi, 1810

Synonym: -

Microhabitat: Intestine

Host: *Anguilla anguilla*⁽⁷⁸⁾

Location: Aegean Sea, Bafa Lake⁽⁷⁸⁾

Record: Altunel (1979)⁽⁷⁸⁾

Bothriocephalus scorpii (Müller,
1776) Cooper, 1917

Synonym: *Bothriocephalus bipunctatus* (Zeder, 1800),
Bothriocephalus punctatus (Rudolphi,
1802), *Bothriocephalus rhombi* Mola,
1928

Microhabitat: Stomach, intestine

Host: *Pegusa nasuta*⁽⁵⁹⁾, *Scorpaena porcus*⁽⁵⁹⁾, *Scorpaena scrofa*⁽⁵⁹⁾⁽⁷⁶⁾,
Trachinus draco⁽⁶⁷⁾, *Scorpaena notata*⁽⁷⁶⁾, *Solea solea*⁽⁸⁶⁾⁽⁹⁰⁾, *Trachinus araneus*⁽⁹⁸⁾, *Scophthalmus maximus*⁽⁹⁹⁾

Location: Aegean Sea⁽⁵⁹⁾⁽⁶⁷⁾⁽⁷⁶⁾⁽⁹⁰⁾⁽⁹⁸⁾,
Sea of Marmara⁽⁸⁶⁾, Black Sea⁽⁹⁹⁾

Record: Akmirza (2001)⁽⁵⁹⁾, Akmirza (2004)⁽⁶⁷⁾, Senol (2004)⁽⁷⁶⁾, Keser *et al.* (2007)⁽⁸⁶⁾, Keser (2002)⁽⁹⁰⁾,
Akmirza (2013)⁽⁹⁸⁾, Özer and Olguner (2013)⁽⁹⁹⁾

***Clestobothrium crassiceps*
(Rudolphi, 1819) Lühe, 1899**

Synonym: *Bothriocephalus pilula*
Leuckart, 1819
Microhabitat: Intestine
Host: *Merluccius merluccius*⁽³³⁾⁽³⁴⁾
Location: Sea of Marmara⁽³³⁾⁽³⁴⁾
Record: Oğuz (1995)⁽³³⁾, Oğuz and
Bray (2008)⁽³⁴⁾

**FAMILY
DIPHYLLOBOTHRIDAE**

***Diphyllobothrium* sp.**

Synonym: -
Microhabitat: Intestine
Host: *Belone belone*⁽²⁶⁾
Location: Black Sea⁽²⁶⁾
Record: Özer and Yurakhno
(2013)⁽²⁶⁾

***Ligula intestinalis* (Linnaeus, 1758)
Gmelin, 1790**

Synonym: -
Microhabitat: Digestive system
Host: *Platichthys flesus*⁽¹⁰⁰⁾
Location: Sea of Marmara,
Karacabey Dalyan Lagoon⁽¹⁰⁰⁾
Record: Aydoğdu and Öztürk
(2003)⁽¹⁰⁰⁾

FAMILY ECHENEIBOTHRIDAE

***Echeneibothrium variabile* Van
Beneden, 1850**

Synonym: -
Microhabitat: Digestive system
Host: *Scyliorhinus canicula*⁽⁹⁸⁾, *Raja
miraletus*⁽⁹⁸⁾, *Raja clavata*⁽¹⁰¹⁾
Location: Aegean Sea⁽⁹⁸⁾; Black
Sea⁽¹⁰¹⁾
Record: Akmirza (2013)⁽⁹⁸⁾, Özer et
al. (2016)⁽¹⁰¹⁾

FAMILY ECHINOBOTHRIDAE

***Echinobothrium typus* Van Beneden,
1849**

Synonym: -
Microhabitat: Digestive system
Host: *Raja clavata*⁽⁵⁹⁾, *Squalus
acanthias*⁽⁹⁸⁾
Location: Aegean Sea⁽⁵⁹⁾⁽⁹⁸⁾
Record: Akmirza (2001)⁽⁵⁹⁾, Akmirza
(2013)⁽⁹⁸⁾

FAMILY EUTETRAHYNCHIDAE

***Tetrarhynchobothrium tenuicolle*
Diesign, 1850**

Synonym: -
Microhabitat: Digestive system
Host: *Raja clavata*⁽⁹⁴⁾, *Squalus
acanthias*⁽⁹⁸⁾,
Location: Black Sea⁽⁹⁴⁾; Aegean
Sea⁽⁹⁸⁾
Record: Öztürk and Çam (2016)⁽⁹⁴⁾,
Akmirza (2013)⁽⁹⁸⁾

FAMILY GRYPORHYNCHIDAE

***Paradilepis scolecina* (Rudolphi,
1819)**

Synonym: -
Microhabitat: Gall bladder
Host: *Platichthys flesus*⁽¹⁾
Location: Black Sea, Sinop Sarıkum
Lagoon⁽¹⁾
Record: Öztürk and Özer (2008)⁽¹⁾

FAMILY HEMIURIDAE

***Hemiurus* sp.**

Synonym: -
Microhabitat: -
Host: *Pomatomus saltatrix*⁽⁹⁵⁾
Location: Not determined, Eskişehir
Fish Bazaar⁽⁹⁵⁾
Record: Yetim (1985)⁽⁹⁵⁾

***Lecithochirium grandiporum*
(Rudolphi, 1819) Lühe, 1901**

Synonym: *Distoma grandiporum*
Rudolphi, 1819, *Lecithochirium
fukensis* Liu, 1996, *Lecithochirium
fusiforme* Lühe, 1901, *Sterrhurus*

fusiformis (Lühe, 1901) Looss, 1907,
Sterrhurus grandiporus (Rudolphi,
1819) Looss, 1907

Microhabitat: Stomach

Host: *Muraena helena*⁽⁷⁴⁾, *Conger conger*⁽⁷⁴⁾⁽⁷⁹⁾

Location: Aegean Sea⁽⁷⁴⁾⁽⁷⁹⁾

Record: Akmırza (2013)⁽⁷⁴⁾, Akmırza (2012)⁽⁷⁹⁾

***Lecithochirium rufoviride*
(Rudolphi, 1819) Lühe, 1901**

Synonym: *Dissosaccus gravidus*
(Looss, 1907) Skrjabin &
Guschanskaja, 1955, *Distoma*
rufoviride Rudolphi, 1819,
Lecithochirium gravidum Looss, 1907

Microhabitat: -

Host: *Anguilla anguilla*⁽⁴⁹⁾

Location: Aegean Sea⁽⁴⁹⁾

Record: Altunel (1980)⁽⁴⁹⁾

**FAMILY
LACISTORHYNCHIDAE**

***Callitetrarhynchus gracilis*
(Rudolphi, 1819) Pintner, 1931**

Synonym: *Anthocephalus gracilis*
Rudolphi, 1819, *Callitetrarhynchus*
elongatus Bilgees & Khurshid, 1987,
Callitetrarhynchus megacanthus
Bilgees & Khurshid, 1987,
Rhynchobothrium spiracornutum
Linton, 1907, *Tentacularia lepida*
Chandler, 1935, *Tentacularia macfieii*
Southwell, 1929

Microhabitat: Liver, digestive
system, gonad

Host: *Euthynnus alletteratus*⁽¹⁰²⁾

Location: Aegean Sea⁽¹⁰²⁾

Record: Akmırza (2006)⁽¹⁰²⁾

***Grillotia erinaceus* (Van Beneden,
1858) Guiart, 1927**

Synonym: *Anthocephalus granulum*
Rudolphi, 1819, *Grillotia*
pseuderinaceus Dollfus, 1969,
Grillotia recurvispinis Dollfus, 1969,

Rhynchobothrium imparispine Linton,
1897

Microhabitat: Digestive system, liver

Host: *Merlangius merlangus*⁽¹⁰⁾⁽¹⁶⁾⁽¹⁷⁾
⁽⁷⁵⁾⁽⁹⁵⁾⁽¹⁰³⁾⁽¹⁰⁴⁾⁽¹⁰⁵⁾, *Raja clavata*⁽¹⁰¹⁾

Location: Black Sea⁽¹⁰⁾⁽¹⁶⁾⁽¹⁷⁾⁽⁷⁵⁾⁽⁹⁵⁾
⁽¹⁰¹⁾⁽¹⁰³⁾⁽¹⁰⁴⁾⁽¹⁰⁵⁾

Record: Özer *et al.* (2012)⁽¹⁰⁾, Özer *et al.* (2015)⁽¹⁶⁾, Özer *et al.* (2015)⁽¹⁷⁾,
Tepe *et al.* (2014)⁽⁷⁵⁾, Özer *et al.*
(2020)⁽⁹⁵⁾, Özer *et al.* (2016)⁽¹⁰¹⁾, Özer
et al. (2014)⁽¹⁰³⁾, Öztürk and Çam
(2016)⁽¹⁰⁴⁾, Özer *et al.* (2020)⁽¹⁰⁵⁾

***Grillotia heptanchi* (Vaullegeard,
1899) Dollfus, 1942**

Synonym: *Tentacularia*
megabothridia Hart, 1936

Microhabitat: Intestine

Host: *Solea solea*⁽⁹⁰⁾

Location: Sea of Marmara⁽⁹⁰⁾

Record: Keser (2002)⁽⁹⁰⁾

***Grillotia* sp.**

Synonym: *Heterotetrarhynchus*
Pintner, 1929

Microhabitat: Intestine

Host: *Solea solea*⁽⁸⁶⁾, *Epinephelus*
aeneus⁽¹⁰⁶⁾, *Epinephelus marginatus*
⁽¹⁰⁶⁾

Location: Aegean Sea⁽⁸⁶⁾;
Mediterranean Sea⁽¹⁰⁶⁾,

Record: Keser *et al.* (2007)⁽⁸⁶⁾, Genç
et al. (2005)⁽¹⁰⁶⁾

***Rhynchobothrium* sp. (genus
inquirendum)**

Synonym: -

Microhabitat: Gall bladder

Host: *Gobius niger*⁽³³⁾

Location: Sea of Marmara⁽³³⁾

Record: Oğuz (1995)⁽³³⁾

FAMILY ONCHOBOTHRIDAE

***Acanthobothrium coronatum*
(Rudolphi, 1819) Blanchard, 1848**

Synonym: -

Microhabitat: -

Host: *Torpedo marmorata*⁽⁹⁸⁾,
Dasyatis sp.⁽⁹⁸⁾

Location: Aegean Sea⁽⁹⁸⁾

Record: Akmirza (2013)⁽⁹⁸⁾

***Acanthobothrium dujardinii* Van
Beneden, 1849**

Synonym: *Prosthecobothrium
dujardinii* (Van Beneden, 1849)

Diesing, 1863 (superseded
combination)

Microhabitat: -

Host: *Raja clavata*⁽⁵⁹⁾

Location: Aegean Sea⁽⁵⁹⁾

Record: Akmirza (2001)⁽⁵⁹⁾

***Acanthobothrium ponticum* Borcea,
1934**

Synonym: -

Microhabitat: -

Host: *Raja clavata*⁽⁵⁹⁾

Location: Aegean Sea⁽⁵⁹⁾

Record: Akmirza (2001)⁽⁵⁹⁾

***Acanthobothrium* sp.**

Synonym: *Acrobothrium* Baer, 1948,
Petaloccephalus van Lidth de Jeude,
1829, *Petalostoma* van Lidth de
Jeude, 1829,

Prosthecobothrium Diesing, 1863

Microhabitat: Digestive system

Host: *Raja clavata*⁽¹⁰¹⁾

Location: Black Sea⁽¹⁰¹⁾

Record: Özer *et al.* (2016)⁽¹⁰¹⁾

FAMILY PHYLLOBOTHRIIDAE

***Phyllobothrium lactuca* Van
Beneden, 1850**

Synonym: *Phyllobothrium inchoatum*
Leidy, 1891

Microhabitat: -

Host: *Trachinus araneus*⁽⁵⁹⁾, *Raja
clavata*⁽⁵⁹⁾, *Pegusa nasuta*⁽⁵⁹⁾

Location: Aegean Sea⁽⁵⁹⁾

Record: Akmirza (2001)⁽⁵⁹⁾

FAMILY PROGRILLOTIIDAE

***Progrillotia dasyatidis* Beveridge et
Euzet, 2004**

Synonym: -

Microhabitat: Gall bladder, stomach,
intestine

Host: *Mullus barbatus*⁽¹²⁾⁽⁷⁵⁾⁽⁹⁴⁾⁽¹⁰⁴⁾,
Uranoscopus scaber⁽⁷⁵⁾, *Ophidion
rochei*⁽⁷⁵⁾⁽¹⁰⁴⁾, *Neogobius
melanostomus*⁽⁸¹⁾⁽¹⁰⁴⁾, *Gobius niger*⁽³⁴⁾
⁽⁷⁵⁾⁽⁸¹⁾⁽¹⁰⁴⁾, *Mesogobius
batrachocephalus*⁽⁸¹⁾⁽¹⁰⁴⁾,
Gaidropsarus mediterraneus⁽⁷¹⁾⁽⁷⁵⁾⁽¹⁰⁴⁾,
Solea solea⁽¹⁰⁴⁾, *Scorpaena porcus*⁽¹⁰⁴⁾
Location: Black Sea⁽¹²⁾⁽⁷¹⁾⁽⁷⁵⁾⁽⁸¹⁾⁽⁹⁴⁾
⁽¹⁰⁴⁾, Sea of Marmara⁽³⁴⁾

Record: Öztürk and Yeşil (2014)⁽¹²⁾,
Oğuz and Bray (2008)⁽³⁴⁾, Öztürk and
Çam (2016)⁽⁷¹⁾, Tepe *et al.* (2014)⁽⁷⁵⁾,
Çam and Öztürk (2016)⁽⁸¹⁾, Öztürk
and Yeşil (2018)⁽⁹⁴⁾, Öztürk and Çam
(2016)⁽¹⁰⁴⁾

***Progrillotia* sp.**

Synonym: -

Microhabitat: -

Host: *Solea solea*⁽⁸²⁾

Location: Black Sea⁽⁸²⁾

Record: Çam and Öztürk (2016)⁽⁸²⁾

FAMILY PROTEOCEPHALIDAE

***Proteocephalus gobiorum* Dogiel &
Bychowsky, 1939**

Synonym: -

Microhabitat: -

Host: *Neogobius melanostomus*⁽¹⁰⁴⁾

Location: Black Sea⁽¹⁰⁴⁾

Record: Öztürk and Çam (2016)⁽¹⁰⁴⁾

***Proteocephalus macrocephalus*
(Creplin, 1825)**

Synonym: *Taenia macrocephala*
Creplin, 1825

Microhabitat: Intestine

Host: *Anguilla anguilla*⁽⁴⁹⁾⁽⁸⁴⁾

Location: Aegean Sea⁽⁴⁹⁾, Karacabey Ekinli Lagoon⁽⁸⁴⁾
Record: Altunel (1980)⁽⁴⁹⁾, Altunel (1990)⁽⁸⁴⁾

FAMILY TENTACULARIIDAE

Nybelinia sp.

Synonym: -

Microhabitat: Gall bladder, stomach

Host: *Mullus barbatus*⁽¹²⁾⁽⁹⁴⁾,

Platichthys flesus⁽¹⁰⁷⁾

Location: Black Sea⁽¹²⁾⁽⁹⁴⁾, Sea of Marmara, Ekinli Lagoon⁽¹⁰⁷⁾

Record: Öztürk and Yeşil (2014)⁽¹²⁾, Öztürk and Yeşil (2018)⁽⁹⁴⁾, Oğuz (1989)⁽¹⁰⁷⁾

FAMILY TETRAPHYLLIDEA INCERTAE CEDIS

Scolex pleuronectis Müller, 1788

Synonym: -

Microhabitat: Intestine

Host: *Merlangius merlangus*⁽¹⁶⁾⁽¹⁷⁾⁽¹⁰⁴⁾, *Gobius cobitis*⁽³³⁾, *Merluccius merluccius*⁽³³⁾, *Eutrigla gurnardus*⁽³³⁾, *Solea solea*⁽³³⁾⁽⁸²⁾⁽⁸⁶⁾⁽¹⁰⁴⁾, *Scorpaena scrofa*⁽³³⁾⁽⁷⁶⁾, *Gobius niger*⁽³³⁾⁽⁸¹⁾⁽¹⁰⁴⁾, *Spondyllosoma cantharus*⁽⁵⁸⁾⁽⁵⁹⁾, *Boops boops*⁽⁵⁸⁾⁽⁵⁹⁾⁽⁶⁰⁾⁽⁹⁸⁾, *Pegusa nasuta*⁽⁵⁹⁾, *Ophidion barbatum*⁽⁵⁹⁾, *Scorpaena porcus*⁽⁵⁹⁾⁽⁸¹⁾, *Spicara smaris*⁽⁵⁹⁾⁽¹⁰⁴⁾, *Trachurus mediterraneus*⁽⁶²⁾⁽⁵⁹⁾⁽⁹⁸⁾, *Scomber japonicus*⁽⁵⁹⁾⁽⁶⁴⁾⁽⁹⁸⁾, *Ophidion rochei*⁽⁷⁵⁾⁽¹⁰⁴⁾, *Conger conger*⁽⁷⁹⁾⁽⁹⁸⁾, *Gaidropsarus mediterraneus*⁽⁷¹⁾⁽¹⁰⁴⁾⁽¹⁰⁸⁾⁽¹⁰⁹⁾, *Neogobius melanostomus*⁽⁸¹⁾⁽¹⁰⁴⁾⁽¹⁰⁸⁾⁽¹⁰⁹⁾, *Mesogobius batrachocephalus*⁽⁸¹⁾⁽¹⁰⁴⁾, *Mullus barbatus*⁽⁹⁴⁾⁽¹⁰⁴⁾, *Phycis phycis*⁽⁹⁸⁾, *Trachinus araneus*⁽⁹⁸⁾, *Monorchis hispidus*⁽⁹⁸⁾, *Chelidonichthys lucerna*⁽¹⁰⁴⁾, *Platichthys flesus*⁽¹⁰⁷⁾, *Trachurus trachurus*⁽¹⁰⁸⁾⁽¹⁰⁹⁾, *Spicara maena*⁽¹⁰⁸⁾⁽¹⁰⁹⁾, *Zosterisessor ophiocephalus*⁽¹⁰⁸⁾⁽¹⁰⁹⁾

Location: Black Sea⁽¹⁶⁾⁽¹⁷⁾⁽⁷¹⁾⁽⁷⁵⁾⁽⁸¹⁾⁽⁸²⁾⁽⁹⁴⁾⁽¹⁰⁴⁾⁽¹⁰⁸⁾⁽¹⁰⁹⁾, Sea of Marmara⁽³³⁾, Ekinli Lagoon⁽¹⁰⁷⁾, Aegean Sea⁽⁵⁸⁾⁽⁵⁹⁾⁽⁶⁰⁾⁽⁶²⁾⁽⁶⁴⁾⁽⁷⁶⁾⁽⁷⁹⁾⁽⁸⁶⁾⁽⁹⁸⁾

Record: Özer *et al.* (2015)⁽¹⁶⁾, Özer *et al.* (2015)⁽¹⁷⁾, Oğuz (1995)⁽³³⁾, Akmirza (2000)⁽⁵⁸⁾, Akmirza (2001)⁽⁵⁹⁾, Akmirza (1998)⁽⁶⁰⁾, Akmirza (1998)⁽⁶²⁾, Akmirza (1997)⁽⁶⁴⁾, Öztürk and Çam (2016)⁽⁷¹⁾, Tepe *et al.* (2014)⁽⁷⁵⁾, Şenol (2004)⁽⁷⁶⁾, Akmirza (2012)⁽⁷⁹⁾, Çam and Öztürk (2016)⁽⁸¹⁾, Çam and Öztürk (2016)⁽⁸²⁾, Keser *et al.* (2007)⁽⁸⁶⁾, Öztürk and Yeşil (2018)⁽⁹⁴⁾, Akmirza (2013)⁽⁹⁸⁾, Öztürk and Çam (2016)⁽¹⁰⁴⁾, Oğuz (1989)⁽¹⁰⁷⁾, Güneydağ *et al.* (2015)⁽¹⁰⁸⁾, Güneydağ *et al.* (2017)⁽¹⁰⁹⁾

Tetraphyllidea (larvae)

Synonym: -

Microhabitat: Intestine

Host: *Mullus barbatus*⁽¹²⁾, *Gobius niger*⁽³⁴⁾, *Gobius cobitis*⁽³⁴⁾, *Merluccius merluccius*⁽³⁴⁾, *Eutrigla gurnardus*⁽³⁴⁾, *Solea solea*⁽³⁴⁾, *Scorpaena scrofa*⁽³⁴⁾, *Anguilla anguilla*⁽⁵³⁾

Location: Black Sea⁽¹²⁾, Sea of Marmara⁽³⁴⁾, Aegean Sea, Köyceğiz-Dalyan Lagoon⁽⁵³⁾

Record: Öztürk and Yeşil (2014)⁽¹²⁾, Oğuz and Bray (2008)⁽³⁴⁾, Özsen Çolak *et al.* (2012)⁽⁵³⁾

ORDER TRYPANORHYNCHA

Trypanorhyncha sp.

Synonym: -

Microhabitat: Intestine

Host: *Epinephelus aeneus*⁽¹¹⁰⁾, *Epinephelus marginatus*⁽¹¹⁰⁾, *Epinephelus costae*⁽¹¹⁰⁾, *Mycteroperca rubra*⁽¹¹⁰⁾

Location: Mediterranean Sea⁽¹¹⁰⁾

Record: Genç (2000)⁽¹¹⁰⁾

PHYLUM NEMATODA

ORDER DIOCTOPHYMATIDA

FAMILY DIOCTOPHYMIDAE

Eustrongylides excisus Jägerskiöld, 1909

Synonym: -

Microhabitat: -

Host: *Neogobius fluviatilis*⁽⁵²⁾

Location: Black Sea, Samsun

Kızılırmak Delta Bafra Fish Lakes⁽⁵²⁾

Record: Güven and Öztürk (2018)⁽⁵²⁾

ORDER RHABDITIDA FAMILY ANGUILLICOLIDAE

Anguillicola crassus Kuwahara, Niimi & Itagaki, 1974

Synonym: *Anguillicola*

(*Anguillicoloides*) *crassus* Kuwahara, Niimi & Itagaki, 1974,

Anguillicoloides crassus (Kuwahara, Niimi & Itagaki, 1974) Moravec & Taraschewski, 1988

Microhabitat: Air bladder

Host: *Anguilla anguilla*⁽⁵³⁾⁽¹¹¹⁾

Location: Aegean Sea, Köyceğiz-Dalyan Lagoon⁽⁵³⁾; Mediterranean Sea, Seyhan River⁽¹¹¹⁾

Record: Özesen Çolak *et al.* (2012)⁽⁵³⁾, Genç *et al.* (2005)⁽¹¹¹⁾

FAMILY ANISAKIDAE

Anisakis pegreffii Campana-Rouget & Biocca, 1955

Synonym: *Anisakis simplex* A of

Nascetti, Paggi, Orecchia, Smith,

Matticucci & Bullini, 1986

Microhabitat: Intestine

Host: *Trachurus mediterraneus*⁽¹¹²⁾,

Trachurus trachurus⁽¹¹³⁾, *Zeus faber*⁽¹¹⁴⁾

Location: Black Sea⁽¹¹²⁾⁽¹¹³⁾;

Mediterranean Sea⁽¹¹⁴⁾

Record: Tepe and Oğuz (2013)⁽¹¹²⁾, Ütük *et al.* (2012)⁽¹¹³⁾, Yardımcı *et al.* (2014)⁽¹¹⁴⁾

Anisakis simplex (Rudolphi, 1809)

Synonym: *Ascaris simplex* Rudolphi, 1809

Microhabitat: Intestine, liver, gonad, muscle

Host: *Scomber japonicus*⁽⁵⁹⁾⁽⁶⁴⁾⁽⁶⁵⁾

⁽¹¹⁵⁾⁽¹²⁰⁾, *Trachurus mediterraneus*

⁽⁵⁹⁾⁽⁶²⁾⁽¹¹⁵⁾⁽¹¹⁶⁾, *Mullus surmuletus*⁽⁵⁹⁾⁽⁹⁷⁾

⁽¹¹⁵⁾, *Diplodus annularis*⁽⁵⁸⁾⁽⁵⁹⁾,

Pagellus erythrinus⁽⁵⁸⁾⁽⁵⁹⁾, *Oblada*

melanura⁽⁵⁸⁾⁽⁵⁹⁾, *Boops boops*⁽⁵⁸⁾⁽⁵⁹⁾,

Conger conger⁽⁷⁹⁾⁽¹¹⁵⁾, *Scomber*

scombrus⁽⁸⁶⁾, *Merluccius*

merluccius⁽¹¹⁵⁾, *Alosa fallax*⁽¹¹⁵⁾,

Serranus hepatus⁽¹¹⁵⁾, *Zeus faber*⁽¹¹⁵⁾,

Uranoscopus scaber⁽¹¹⁵⁾, *Sphyræna*

sphyræna⁽¹¹⁵⁾, *Pomatomus saltatrix*

⁽¹¹⁵⁾, *Merlangius merlangus*⁽¹¹⁶⁾,

Trachurus trachurus⁽¹¹⁵⁾⁽¹¹⁶⁾⁽¹¹⁸⁾⁽¹¹⁹⁾,

Sardina pilchardus⁽¹¹⁶⁾, *Engraulis*

engrasicolus⁽¹¹⁷⁾⁽¹¹⁸⁾, *Mullus*

barbatus⁽¹¹⁸⁾,

Location: Aegean Sea⁽⁵⁸⁾⁽⁵⁹⁾⁽⁶²⁾⁽⁶⁴⁾⁽⁶⁵⁾

⁽⁷⁹⁾⁽⁸⁶⁾⁽⁹⁷⁾⁽¹¹⁵⁾⁽¹¹⁶⁾⁽¹²⁰⁾, Black Sea⁽¹¹⁷⁾⁽¹¹⁸⁾

⁽¹¹⁹⁾; Sea of Marmara⁽¹⁰⁸⁾

Record: Akmırza (2000)⁽⁵⁸⁾, Akmırza

(2001)⁽⁵⁹⁾, Akmırza (1998)⁽⁶²⁾,

Akmırza (1997)⁽⁶⁴⁾, Akmırza

(2003)⁽⁶⁵⁾, Akmırza (2012)⁽⁷⁹⁾, Keser

et al. (2007)⁽⁸⁶⁾, Akmırza (2000)⁽⁹⁷⁾,

Akmırza (2013)⁽¹¹⁵⁾, Oğuz *et al.*

(2000)⁽¹¹⁶⁾, Tuncel and Akmırza

(2006)⁽¹¹⁷⁾, Özkan (2008)⁽¹¹⁸⁾, Özkan

et al. (2010)⁽¹¹⁹⁾, Şahin and Sağlam

(2016)⁽¹²⁰⁾

Anisakis Type I

Synonym: -

Microhabitat: Digestive system

Host: *Merluccius merluccius*⁽¹²¹⁾,

Scomber japonicus⁽¹²¹⁾,

Micromesistius poutassou⁽¹²¹⁾, *Zeus*

faber⁽¹²¹⁾, *Trachurus mediterraneus*

⁽¹²¹⁾, *Mullus barbatus*⁽¹²¹⁾, *Scomber*

scombrus⁽¹²¹⁾⁽¹²³⁾, *Mugil cephalus*⁽¹²²⁾

Location: Aegean Sea⁽¹²¹⁾⁽¹²²⁾;

Mediterranean Sea⁽¹²¹⁾; Sea of

Marmara⁽¹²³⁾

Record: Pekmezci *et al.* (2014)⁽¹²¹⁾,

Pekmezci and Yardımcı (2019)⁽¹²²⁾,

Özbakış Beceriklisoy *et al.* (2019)⁽¹²³⁾

***Contracaecum overstreeti* Mattiucci, Paoletti, Solorzano & Nascetti, 2010**

Synonym: -

Microhabitat: Mesentary, liver, kidney

Host: *Mugil cephalus*⁽¹²²⁾

Location: Aegean Sea⁽¹²²⁾

Record: Pekmezci and Yardımcı (2019)⁽¹²²⁾

***Contracaecum rudolphii* Hartwich, 1964**

Synonym: *Ascaris spiculigerum*

(Rudolphi, 1809), *Contracaecum*

spiculigerum (Rudolphi, 1809),

Contracaecum umiu Yamaguti, 1941

Microhabitat: -

Host: *Proterorhinus marmoratus*⁽⁵²⁾

Location: Black Sea, Samsun

Kızılırmak Delta Bafra Fish Lakes⁽⁵²⁾

Record: Güven and Öztürk (2018)⁽⁵²⁾

***Contracaecum siluri-glandis* Von Lintsow, 1883**

Synonym: -

Microhabitat: Mesentary, liver, stomach

Host: *Platichthys flesus*⁽¹⁰⁷⁾

Location: Sea of Marmara, Ekinli Lagoon⁽¹⁰⁷⁾

Record: Oğuz (1989)⁽¹⁰⁷⁾

***Contracaecum* sp.**

Synonym: -

Microhabitat: Intestine, body cavity, pyloric caeca

Host: *Mullus barbatus*⁽¹²⁾⁽⁹⁴⁾, *Mugil cephalus*⁽¹²²⁾

Location: Black Sea⁽¹²⁾⁽⁹⁴⁾, Aegean Sea⁽¹²²⁾

Record: Öztürk and Yeşil (2014)⁽¹²⁾, Öztürk and Yeşil (2018)⁽⁹⁴⁾, Pekmezci and Yardımcı (2019)⁽¹²²⁾

FAMILY CYSTIDICOLIDAE

***Ascarophis* sp.**

Synonym: *Pseudocystidicola*

Layman, 1933

Microhabitat: Digestive system

Host: *Scorpaena scrofa*⁽⁷⁶⁾

Scorpaena porcus⁽⁷⁶⁾⁽¹¹²⁾⁽¹¹⁵⁾,

Scorpaena notata⁽⁷⁶⁾⁽¹¹⁵⁾

Location: Aegean Sea⁽⁷⁶⁾⁽¹¹⁵⁾, Black Sea⁽¹¹²⁾

Record: Şenol (2004)⁽⁷⁶⁾, Tepe and Oğuz (2013)⁽¹¹²⁾, Akmirza (2013)⁽¹¹⁵⁾

***Ascarophis valentina* Ferrer et Moravec, 2005**

Synonym: -

Microhabitat: Özefagus, stomach, intestine

Host: *Mullus barbatus*⁽¹²⁾⁽⁹⁴⁾

Location: Black Sea⁽¹²⁾⁽⁹⁴⁾

Record: Öztürk and Yeşil (2014)⁽¹²⁾, Öztürk and Yeşil (2018)⁽⁹⁴⁾

***Spinitectus oviflagellis* Fourment, 1883**

Synonym: -

Microhabitat: Intestine

Host: *Gaidropsarus mediterraneus*⁽³³⁾

Location: Sea of Marmara⁽³³⁾

Record: Oğuz (1995)⁽³³⁾

***Spinitectus tamari* Naidenova, 1966**

Synonym: -

Microhabitat: -

Host: *Gaidropsarus mediterraneus*⁽⁷¹⁾

Location: Black Sea⁽⁷¹⁾

Record: Öztürk and Çam (2016)⁽⁷¹⁾

FAMILY CUCULLANIDAE

***Cucullanus campanae* Lebre & Petter, 1984**

Synonym: -

Microhabitat:

Host: *Solea solea*⁽⁸²⁾

Location: Black Sea⁽⁸²⁾

Record: Çam and Öztürk (2016)⁽⁸²⁾

***Cucullanus hians* (Dujardin, 1845)**

Synonym: *Dacnitis hians* Dujardin, 1845

Microhabitat: Intestine

Host: *Conger conger*⁽⁷⁹⁾⁽¹¹⁵⁾, *Muraena helena*⁽¹¹⁵⁾

Location: Aegean Sea⁽⁷⁹⁾⁽¹¹⁵⁾

Record: Akmirza (2012)⁽⁷⁹⁾, Akmirza (2013)⁽¹¹⁵⁾

***Cucullanus longicollis* (Stossich, 1899)**

Synonym: *Dacnitis longicollis* Stossich, 1899

Microhabitat: Digestive tract

Host: *Mullus surmuletus*⁽⁵⁹⁾⁽⁹⁷⁾

Location: Aegean Sea⁽⁵⁹⁾⁽⁹⁷⁾

Record: Akmirza (2001)⁽⁵⁹⁾, Akmirza (2000)⁽⁹⁷⁾

***Cucullanus micropapillatus* Tornquist, 1931**

Synonym: -

Microhabitat: -

Host: *Symphodus* sp.⁽¹¹⁵⁾

Location: Aegean Sea⁽¹¹⁵⁾

Record: Akmirza (2013)⁽¹¹⁵⁾

***Cucullanus* sp.**

Synonym: *Bacudacnitis* Ferraz & Thatcher, 1988,

Bulbodacnitis Maggenti, 1971 nec Lane, 1916, *Dacnitis* Törnquist, 1931 nec Dujardin, 1845, *Dacnitis* Dujardin, 1845, *Indocucullanus* Ali, 1956, *Neocucullanellus* Yamaguti, 1941, *Ophistoma* Rudolphi, 1809, *Paracucullanellus* Agrawal, 1965, *Pleurorhynchus* Rudolphi, 1801, *Pleurorinchus* Nau, 1787, *Sclerostomum* Rudolphi, 1809, *Serradacnitis* Lane, 1916, *Stelmus* Dujardin, 1845, *Truttaedacnitis* Petter, 1974

Microhabitat: -

Host: *Gaidropsarus mediterraneus*⁽⁷¹⁾, *Merlangius merlangus*⁽⁹⁵⁾

Location: Black Sea⁽⁷¹⁾, Not reported, Eskişehir Fish Bazaar⁽⁹⁵⁾

Record: Öztürk and Çam (2016b)⁽⁷¹⁾, Yetim (1985)⁽⁹⁵⁾

***Dichelyne (Cucullanellus) minutus* (Rudolphi, 1819)**

Synonym: *Cucullanellus minutus* (Rudolphi, 1819) Törnquist, 1931, *Cucullanus cirratus* Müller (Partim) in Barreto, 1922, *Cucullanus fusiformis* (Molin, 1860), *Cucullanus minutus* Rudolphi, 1819, *Dacnitis fusiformis* Molin, 1860,

Microhabitat: Stomach-intestine content

Host: *Platichthys flesus*⁽¹⁾⁽¹⁰⁰⁾⁽¹⁰⁷⁾⁽¹²⁴⁾, *Neogobius melanostomus*⁽⁵¹⁾, *Merlangius merlangus*⁽¹¹⁸⁾, *Sprattus sprattus*⁽¹²⁵⁾,

Location: Black Sea⁽¹¹⁸⁾⁽¹²⁵⁾, Sinop Sarıkum Lagoon⁽¹⁾, Sinop Sırakaraağaçlar Stream⁽⁵¹⁾, Sea of Marmara⁽¹²⁴⁾, Karacabey Dalyan Lagoon⁽¹⁰⁰⁾, Ekinli Lagoon⁽¹⁰⁷⁾

Record: Öztürk and Özer (2008)⁽¹⁾, Özer (2007)⁽⁵¹⁾, Aydoğan and Öztürk (2003)⁽¹⁰⁰⁾, Oğuz (1989)⁽¹⁰⁷⁾, Özkan (2008)⁽¹¹⁸⁾, Oğuz (1996)⁽¹²⁴⁾, Avşar (1997)⁽¹²⁵⁾

***Dichelyne (Cucullanellus) tripapillatus* (Gendre, 1927)**

Synonym: *Cucullanus tripapillatus* Gendre, 1927, *Dichelyne tripapillatus* (Gendre, 1927)

Microhabitat: Intestine

Host: *Diplodus vulgaris*⁽⁵⁸⁾⁽⁵⁹⁾, *Diplodus sargus*⁽⁵⁸⁾⁽⁵⁹⁾, *Oblada melanura*⁽⁵⁸⁾⁽⁵⁹⁾, *Symphodus tinca*⁽⁵⁹⁾, *Gaidropsarus mediterraneus*⁽⁵⁹⁾

Location: Aegean Sea⁽⁵⁸⁾⁽⁵⁹⁾

Record: Akmirza (2000)⁽⁵⁸⁾, Akmirza (2001)⁽⁵⁹⁾

**FAMILY
GNATHOSTOMATIDAE**

***Echinocephalus spinosissimus* (von Linstow, 1905)**

Synonym: *Cheiracanthus spinosissimus* Linstow, 1905, *Echinocephalus mobulae* Kalyankar, 1971

Microhabitat: -

Host: *Raja clavata*⁽⁵⁹⁾

Location: Aegean Sea⁽⁵⁹⁾

Record: Akmirza (2001)⁽⁵⁹⁾

Echinocephalus sp.

Synonym: -

Microhabitat: -

Host: *Dasyatis* sp.⁽¹¹⁵⁾

Location: Aegean Sea⁽¹¹⁵⁾

Record: Akmirza (2013)⁽¹¹⁵⁾

Spiroxys contortus (Rudolphi, 1819)

Synonym: -

Microhabitat: Liver, stomach-intestine content

Host: *Platichthys flesus*⁽¹⁾, *Neogobius fluviatilis*⁽⁵²⁾

Location: Black Sea, Sinop Sarıkum Lagoon⁽¹⁾, Kızılırmak Delta Bafra Fish Lakes⁽⁵²⁾

Record: Öztürk and Özer (2008)⁽¹⁾, Güven and Öztürk (2018)⁽⁵²⁾

Spiroxys sp.

Synonym: -

Microhabitat: Intestine

Host: *Neogobius melanostomus*⁽⁵¹⁾

Location: Black Sea, Sinop

Sırakaraağaçlar Stream⁽⁵¹⁾

Record: Özer (2007)⁽⁵¹⁾

FAMILY PHILOMETRIDAE

Philometra filiformis (Stossich, 1898) Yorke & Maplestone, 1926

Synonym: *Ichthyonema filiformis* Stossich, 1896

Microhabitat: Gonad

Host: *Pagellus erythrinus*⁽¹²⁶⁾

Location: Mediterranean Sea⁽¹²⁶⁾

Record: Moravec and Genç (2004)⁽¹²⁶⁾

Philometra globiceps (Rudolphi, 1819)

Synonym: *Philometra recticaudata* Costa, 1845 (Lapsus), *Philometra reticulatum* Costa, 1845

Microhabitat: Intestine

Host: *Uranoscopus scaber*⁽⁵⁵⁾⁽¹¹²⁾, *Trachurus mediterraneus*⁽¹¹²⁾

Location: Black Sea⁽⁵⁵⁾⁽¹¹²⁾

Record: Öztürk et al. (2017)⁽⁵⁵⁾, Tepe and Oğuz (2013)⁽¹¹²⁾

Philometra lateolabracis (Yamaguti, 1935) Yamaguti, 1961

Synonym: *Sanguinofilaria lateolabracis* Yamaguti, 1935

Microhabitat: Gonad

Host: *Epinephelus aeneus*⁽¹⁰⁶⁾, *Epinephelus marginatus*⁽¹⁰⁶⁾⁽¹²⁶⁾, *Mycteroperca rubra*⁽¹²⁶⁾

Location: Mediterranean Sea⁽¹⁰⁶⁾⁽¹²⁶⁾

Record: Genç et al. (2005)⁽¹⁰⁶⁾, Moravec and Genç (2004)⁽¹²⁶⁾

Philometra saltatrix Ramachandran, 1973

Synonym: -

Microhabitat: Gonad

Host: *Pomatomus saltatrix*⁽¹²⁶⁾

Location: Mediterranean Sea⁽¹²⁶⁾

Record: Moravec and Genç (2004)⁽¹²⁶⁾

Philometra sp.

Synonym: *Ichthyonema* Diesing, 1861, *Sanguinofilaria* Yamaguti, 1941, *Thwaitia* Rasheed, 1963

Microhabitat: Ovarium

Host: *Pomatomus saltatrix*⁽⁵⁾, *Epinephelus aeneus*⁽¹¹⁰⁾, *Epinephelus costae*⁽¹¹⁰⁾, *Mycteroperca rubra*⁽¹¹⁰⁾, *Epinephelus marginatus*⁽¹¹⁰⁾⁽¹²⁷⁾

Location: Black Sea⁽⁵⁾, Mediterranean Sea⁽¹¹⁰⁾⁽¹²⁷⁾

Record: Özer (2020)⁽⁵⁾, Genç (2000)⁽¹¹⁰⁾, Cengizler and Sarıhan (1995)⁽¹²⁷⁾

FAMILY RAPHIDASCARIDIDAE

Hysterothylacium aduncum (Rudolphi, 1802)

Synonym: *Ascaris adunca* Rudolphi, 1802, *Ascaris clavata* Rudolphi, 1809, *Contracaecum aduncum* (Rudolphi, 1802), *C. benimasu* Fujita, 1932, *C. clavatum* (Rudolphi, 1809) Baylis, 1920, *C. crassicaudatum* Fujita, 1939, *C. elongatum* Fujita, 1939, *C. hippoglossi* Fujita, 1932, *C. hypomesi* Fujita, 1932, *C. longispiculum* Fujita, 1940, *C. mesopi* Fujita, 1940, *C. ochotense* Fujita, 1932, *C. okadai* Fujita, 1940, *C. oshoroensis* Fujita, 1940, *C. salvelini* Fujita, 1940, *Hysterothylacium clavatum* (Rudolphi, 1809), *Hysterothylacium longispiculum* (Fujita, 1940), *H. okadai* (Fujita, 1940) Deardorff & Overstreet, 1981, *H. salvelini* (Fujita, 1940) Deardorff & Overstreet, 1981, *Thynnascaris aduncum* Rudolphi
Microhabitat: Digestive system, liver, pyloric caeca
Host: *Platichthys flesus*⁽¹⁾⁽¹¹²⁾, *Mullus barbatus*⁽¹²⁾⁽⁹⁴⁾⁽¹¹²⁾⁽¹³⁶⁾, *Merlangius merlangus*⁽¹⁰⁾⁽¹⁶⁾⁽¹⁷⁾⁽²⁷⁾⁽⁹⁹⁾⁽¹¹²⁾⁽¹²⁸⁾⁽¹²⁹⁾⁽¹³⁰⁾⁽¹³¹⁾⁽¹³²⁾⁽¹³³⁾⁽¹³⁶⁾⁽¹⁴²⁾⁽¹⁴⁴⁾⁽¹⁷⁷⁾, *Belone belone*⁽²⁶⁾⁽⁵⁷⁾⁽¹¹²⁾, *Merluccius merluccius*⁽³³⁾, *Gobius niger*⁽³³⁾⁽¹¹²⁾, *Trachurus trachurus*⁽³³⁾⁽⁸⁶⁾⁽⁸⁷⁾⁽¹¹⁵⁾⁽¹¹⁸⁾⁽¹¹⁹⁾⁽¹²⁰⁾⁽¹³³⁾⁽¹³⁷⁾, *Uranoscopus scaber*⁽⁵⁵⁾⁽¹¹²⁾, *Neogobius melanostomus*⁽⁵¹⁾⁽¹¹²⁾, *Scomber japonicus*⁽⁵⁹⁾⁽⁶⁴⁾⁽⁶⁵⁾, *Trachurus mediterraneus*⁽⁵⁹⁾⁽⁶²⁾⁽¹¹²⁾⁽¹⁴³⁾, *Gaidropsarus mediterraneus*⁽⁷¹⁾⁽¹¹²⁾⁽¹³⁷⁾, *Solea solea*⁽⁸²⁾⁽⁸⁶⁾⁽⁹⁰⁾⁽¹¹²⁾⁽¹³⁸⁾, *Chelon saliens*⁽⁸⁶⁾⁽⁹⁰⁾, *Sparus aurata*⁽⁸⁶⁾⁽⁹⁰⁾⁽¹³⁵⁾⁽¹³⁸⁾, *Pomatomus saltatrix*⁽⁸⁶⁾⁽⁹⁰⁾, *Engraulis encrasicolus*⁽⁹⁰⁾⁽¹¹²⁾⁽¹¹⁷⁾⁽¹⁴³⁾⁽¹⁷⁷⁾, *Alosa immaculata*⁽⁹⁹⁾⁽¹³⁷⁾⁽¹⁴⁰⁾, *Spicara smaris*⁽⁹⁹⁾⁽¹¹²⁾⁽¹³²⁾, *Caspialosa* sp.⁽¹¹²⁾, *Ophidion rochei*⁽¹¹²⁾, *Sarda sarda*⁽¹¹²⁾, *Sciaena umbra*⁽¹¹²⁾, *Scorpaena porcus*⁽¹¹²⁾, *Syngnathus acus*⁽¹¹²⁾, *Trachinus draco*⁽¹¹²⁾, *Lophius piscatorius*⁽¹¹⁵⁾, *Pagellus erythrinus*⁽¹¹⁵⁾⁽¹⁴¹⁾, *Sardinella*

aurita⁽¹²⁰⁾, *Sprattus sprattus*⁽¹²⁵⁾⁽¹³⁶⁾, *Rhinobatos rhinobatos*⁽¹³⁴⁾, *Alosa agone*⁽¹³⁶⁾, *Squalus acanthias*⁽¹³⁷⁾, *Raja clavata*⁽¹³⁷⁾, *Gobius paganellus*⁽¹³⁷⁾, *Diplodus vulgaris*⁽¹³⁸⁾, *Boops boops*⁽¹³⁹⁾

Location: *Black Sea*⁽¹²⁾⁽¹⁰⁾⁽¹⁶⁾⁽¹⁷⁾⁽²⁶⁾⁽²⁷⁾⁽⁵⁵⁾⁽⁷¹⁾⁽⁸²⁾⁽⁹⁴⁾⁽⁹⁹⁾⁽¹¹²⁾⁽¹¹⁸⁾⁽¹¹⁹⁾⁽¹²⁵⁾⁽¹²⁸⁾⁽¹²⁹⁾⁽¹³⁰⁾⁽¹³¹⁾⁽¹³²⁾⁽¹³³⁾⁽¹³⁶⁾⁽¹³⁷⁾⁽¹⁴⁰⁾⁽¹⁴²⁾⁽¹⁴³⁾⁽¹⁴⁴⁾,

Sinop Sarikum Lagoon⁽¹⁾, *Sinop Sırakaraağaçlar Stream*⁽⁵¹⁾, *Sea of Marmara*⁽³³⁾⁽⁵⁷⁾⁽⁸⁶⁾⁽⁸⁷⁾⁽¹¹⁷⁾, *Aegean Sea*⁽⁵⁹⁾⁽⁶²⁾⁽⁶⁴⁾⁽⁶⁵⁾⁽⁹⁰⁾⁽¹¹⁵⁾⁽¹²⁰⁾⁽¹³⁹⁾, *Mediterranean Sea*⁽¹³⁴⁾⁽¹³⁵⁾⁽¹³⁸⁾⁽¹⁴¹⁾

Record: Öztürk and Özer (2008)⁽¹⁾, Öztürk and Yeşil (2014)⁽¹²⁾, Özer et al. (2012)⁽¹⁰⁾, Özer et al. (2015)⁽¹⁶⁾, Özer et al. (2015)⁽¹⁷⁾, Özer and Yurakhno (2013)⁽²⁶⁾, Yaman (1997)⁽²⁷⁾, Oğuz (1995)⁽³³⁾, Öztürk et al. (2017)⁽⁵⁵⁾, Özer (2007)⁽⁵¹⁾, Uysal et al. (2019)⁽⁵⁷⁾, Akmirza (2001)⁽⁵⁹⁾, Akmirza (1998)⁽⁶²⁾, Akmirza (1997)⁽⁶⁴⁾, Akmirza (2003)⁽⁶⁵⁾, Öztürk and Çam (2016)⁽⁷¹⁾, Çam and Öztürk (2016)⁽⁸²⁾, Keser et al. (2007)⁽⁸⁶⁾, Akmirza (2001)⁽⁸⁷⁾, Keser (2002)⁽⁹⁰⁾, Öztürk and Yeşil (2018)⁽⁹⁴⁾, Özer and Olguner (2013)⁽⁹⁹⁾, Tepe and Oğuz (2013)⁽¹¹²⁾, Akmirza (2013)⁽¹¹⁵⁾, Tuncel and Akmirza (2006)⁽¹¹⁷⁾, Özkan (2008)⁽¹¹⁸⁾, Özkan et al. (2010)⁽¹¹⁹⁾, Şahin and Sağlam (2016)⁽¹²⁰⁾, Avşar (1997)⁽¹²⁵⁾, Özer et al. (2016)⁽¹²⁸⁾, İşmen and Bingel (1999)⁽¹²⁹⁾, Doğanay (1994)⁽¹³⁰⁾, Özer et al. (2000)⁽¹³¹⁾, Özer et al. (2009)⁽¹³²⁾, Pekmezci et al. (2013)⁽¹³³⁾, Genç et al. (2005)⁽¹³⁴⁾, Dural et al. (2011)⁽¹³⁵⁾, Dobrucalı (2017)⁽¹³⁶⁾, Özer et al. (2018)⁽¹³⁷⁾, Keskin et al. (2015)⁽¹³⁸⁾, Şimşek et al. (2018)⁽¹³⁹⁾, Özer et al. (2007)⁽¹⁴⁰⁾, Dural et al. (2010)⁽¹⁴¹⁾, Alkan et al. (2015)⁽¹⁴²⁾, Çevik (2005)⁽¹⁴³⁾, Özer et al. (2015)⁽¹⁴⁴⁾

Hysterothylacium fabri (Rudolphi, 1819) Deardorff & Overstreet, 1980

Synonym: *Ascaris biuncinata* Rudolphi, 1819, *Ascaris fabri*

Rudolphi, 1819, *Contracaecum fabri* (Rudolphi, 1819) Baylis, 1923
Microhabitat: Digestive system
Host: *Mullus barbatus*⁽¹²⁾⁽⁹⁴⁾, *Uranoscopus scaber*⁽⁵⁵⁾, *Boops boops*⁽⁵⁸⁾⁽⁵⁹⁾⁽⁶⁰⁾⁽¹¹⁵⁾⁽¹³⁹⁾, *Mullus surmuletus*⁽⁵⁹⁾⁽⁹⁷⁾⁽¹¹⁵⁾, *Spoondyliosa cantharus*⁽⁵⁸⁾⁽⁵⁹⁾, *Diplodus annularis*⁽⁵⁸⁾⁽⁵⁹⁾⁽¹¹⁵⁾, *Pagellus erythrinus*⁽⁵⁸⁾⁽⁵⁹⁾, *Oblada melanura*⁽⁵⁸⁾⁽⁵⁹⁾, *Spicara smaris*⁽⁵⁹⁾, *Trachinus draco*⁽⁶⁷⁾⁽¹¹⁵⁾⁽¹³⁷⁾, *Sciaena umbra*⁽⁸⁰⁾, *Alosa fallax*⁽¹¹⁵⁾, *Phycis phycis*⁽¹¹⁵⁾, *Coris julis*⁽¹¹⁵⁾, *Trachurus mediterraneus*⁽¹¹⁵⁾, *Pagellus acarne*⁽¹¹⁵⁾, *Squalus blainville*⁽¹¹⁵⁾, *Symphodus* sp.⁽¹¹⁵⁾
Location: Black Sea⁽¹²⁾⁽⁵⁵⁾⁽⁹⁴⁾⁽¹³⁷⁾; Aegean Sea⁽⁵⁸⁾⁽⁵⁹⁾⁽⁶⁰⁾⁽⁶⁷⁾⁽⁸⁰⁾⁽⁹⁷⁾⁽¹¹⁵⁾⁽¹³⁹⁾
Record: Öztürk and Yeşil (2014)⁽¹²⁾, Öztürk et al. (2017)⁽⁵⁵⁾, Akmirza (2000)⁽⁵⁸⁾, Akmirza (2001)⁽⁵⁹⁾, Akmirza (1998)⁽⁶⁰⁾, Akmirza (2004)⁽⁶⁷⁾, Akmirza (2014)⁽⁸⁰⁾, Öztürk and Yeşil (2018)⁽⁹⁴⁾, Akmirza (2000)⁽⁹⁷⁾, Akmirza (2013)⁽¹¹⁵⁾, Özer et al. (2018)⁽¹³⁷⁾, Şimşek et al. (2018)⁽¹³⁹⁾

***Hysterothylacium reliquens* (Norris & Overstreet, 1975) Deardorff & Overstreet, 1981**

Synonym: *Thynnascaris reliquens* Norris & Overstreet, 1975
Microhabitat: Digestive tract
Host: *Boops boops*⁽¹³⁹⁾
Location: Aegean Sea⁽¹³⁹⁾
Record: Şimşek et al. (2018)⁽¹³⁹⁾

***Hysterothylacium* sp.**

Synonym: *Maricostula* Bruce & Cannon, 1989, *Thynnascaris Dollfus*, 1933
Microhabitat: Stomach, intestine, body cavity
Host: *Dicentrarchus labrax*⁽⁴²⁾, *Sparus aurata*⁽¹¹⁰⁾, *Diplodus cervinus*⁽¹¹⁰⁾, *Diplodus vulgaris*⁽¹¹⁰⁾, *Diplodus sargus*⁽¹¹⁰⁾, *Pagellus erythrinus*⁽¹¹⁰⁾, *Pagrus auriga*⁽¹¹⁰⁾, *Pagrus caeruleostictus*⁽¹¹⁰⁾, *Dentex*

dentex⁽¹¹⁰⁾, *Epinephelus marginatus*⁽¹¹⁰⁾, *Epinephelus aeneus*⁽¹¹⁰⁾, *Epinephelus costae*⁽¹¹⁰⁾, *Mycteroperca rubra*⁽¹¹⁰⁾, *Trachurus* sp.⁽¹⁴⁶⁾, *Merlangius merlangus*⁽¹⁴⁶⁾, *Engraulis engrasicolus*⁽¹⁴⁵⁾⁽¹⁴⁶⁾
Location: Mediterranean Sea⁽¹¹⁰⁾, Beymelek Lagoon⁽⁴²⁾, Not reported⁽¹⁴⁶⁾; Black Sea⁽¹⁴⁵⁾
Record: Emre (2010)⁽⁴²⁾, Genç (2000)⁽¹¹⁰⁾, Oytun (1963)⁽¹⁴⁵⁾, Şahin (2006)⁽¹⁴⁶⁾

FAMILY RHABDOCHONIDAE

***Rhabdochona* sp.**

Synonym: *Rhadochona* (Lapsus)
Microhabitat: -
Host: *Anguilla anguilla*⁽⁸⁴⁾
Location: Aegean Sea, Karacabey Ekinli Lagoon⁽⁸⁴⁾
Record: Altunel (1990)⁽⁸⁴⁾

ORDER TRICHINELLIDA FAMILY CAPILLARIIDAE

***Capillaria (Procapillaria) gracilis* (Bellingham, 1840) Travassos, 1915**

Synonym: *Capillaria gracilis* (Bellingham, 1840), *Capillaria kabatai* Ingles & Coles, 1963, *Capillaria merluccii* Reimer, 1991
Microhabitat: -
Host: *Solea solea*⁽⁸²⁾
Location: Black Sea⁽⁸²⁾
Record: Çam and Öztürk (2016)⁽⁸²⁾

***Capillaria* sp.**

Synonym: *Thominx* Dujardin, 1845
Microhabitat: Liver, stomach, intestine, gonad
Host: *Platichthys flesus*⁽¹⁾, *Mullus barbatus*⁽¹²⁾⁽⁹⁴⁾, *Mullus surmuletus*⁽⁵⁹⁾⁽⁹⁷⁾
Location: Black Sea⁽¹²⁾⁽⁹⁴⁾, Sinop Sarıkum Lagoon⁽¹⁾, Aegean Sea⁽⁵⁹⁾⁽⁹⁷⁾
Record: Öztürk and Özer (2008)⁽¹⁾, Öztürk and Yeşil (2014)⁽¹²⁾, Akmirza

(2001)⁽⁵⁹⁾, Öztürk and Yeşil (2018)⁽⁹⁴⁾, Akmirza (2000)⁽⁹⁷⁾

PHYLUM ARTHROPODA

SUBPHYLUM CRUSTACEA CLASS HEXANAUPLIA SUBCLASS COPEPODA ORDER CYCLOPOIDA FAMILY BOMOLOCHIDAE

***Bomolochus bellones* Burmeister, 1833**

Synonym: *Artacolax ardeolae* (Krøyer, 1863), *Artacolax tumidus* (Shiino, 1957), *Bomolochus ardeolae* Krøyer, 1863, *Bomolochus concinnus* Wilson C.B., 1911, *Bomolochus hemirhamphi* Pillai, 1965, *Bomolochus hyporhamphi* Yamaguti & Yamasu, 1959, *Bomolochus tumidus* Shiino, 1957, *Holobomolochus ardeolae* (Krøyer, 1863), *Parabomolochus bellones* (Burmeister, 1833), *Parabomolochus concinnus* (Wilson C.B., 1911), *Parabomolochus hemirhamphi* (Pillai, 1965), *Parabomolochus hyporhamphi* (Yamaguti & Yamasu, 1959), *Parabomolochus tumidus* (Shiino, 1957), *Pseudartacolax hyporhamphi* (Yamaguti & Yamasu, 1959)

Microhabitat: Gills

Host: *Belone belone*⁽¹⁴⁷⁾

Location: Aegean Sea⁽¹⁴⁷⁾

Record: Öktenen *et al.* (2015)⁽¹⁴⁷⁾

***Bomolochus unicirrus* Richiardi, 1880**

Synonym: *Artacolax unicirrus* (Richiardi, 1880), *Parabomolochus unicirrus* (Richiardi, 1880)

Microhabitat: Gills

Host: *Sphyraena sphyraena*⁽¹⁴⁸⁾

Location: Mediterranean Sea⁽¹⁴⁸⁾

Record: Demirkale *et al.* (2017)⁽¹⁴⁸⁾

FAMILY CHONDRACANTHIDAE

***Chondracanthus lophii* Johnston, 1836**

Synonym: *Chondracanthus abdominalis* Heegaard, 1943, *Chondracanthus delarochiana* (Blainville, 1822), *Chondracanthus dufresnii* (Blainville, 1822), *Chondracanthus gibbosus* Krøyer, 1837, *Chondracanthus lophius* Risso, 1826, *Lernentoma dufresnii* Blainville, 1822, *Lernentoma lophii* Baird, 1850

Microhabitat: Gill cavity

Host: *Lophius piscatorius hepatus*⁽¹⁴⁹⁾

Location: Sea of Marmara⁽¹⁴⁹⁾

Record: Öktenen and Trilles (2004)⁽¹⁴⁹⁾

FAMILY ERGASILIDAE

***Ergasilus gibbus* Nordmann, 1832**

Synonym: -

Microhabitat: Gills

Host: *Anguilla anguilla*⁽⁵³⁾⁽⁵⁴⁾⁽⁸⁴⁾

Location: Aegean Sea, Köyceğiz-Dalyan Lagoon⁽⁵³⁾⁽⁵⁴⁾, Karacabey Ekinli Lagoon⁽⁸⁴⁾

Record: Özese Çolak *et al.* (2012)⁽⁵³⁾, Soylu *et al.* (2013)⁽⁵⁴⁾, Altunel (1990)⁽⁸⁴⁾

***Ergasilus lizae* Kroyer 1863**

Synonym: *Ergasilus nanus* Beneden, 1870

Microhabitat: Gills

Host: *Chelon auratus*⁽²⁰⁾⁽²¹⁾⁽²³⁾, *Mugil cephalus*⁽²²⁾⁽²⁴⁾⁽²⁸⁾⁽¹⁵⁰⁾, *Alosa fallax*⁽³⁹⁾, *Anguilla anguilla*⁽⁵³⁾⁽⁵⁴⁾, *Planiliza haematocheila*⁽¹⁴⁹⁾, *Chelon saliens*⁽¹⁵⁰⁾, *Chelon ramada*⁽¹⁵⁰⁾, *Chelon labrosus*⁽¹⁵⁰⁾, *Oedalechilus labeo*⁽¹⁵⁰⁾

Location: Black Sea⁽¹⁴⁹⁾, Sinop Sarıkum Lagoon⁽²⁰⁾⁽²³⁾, Samsun Kızılırmak Delta Bafra Fish Lakes⁽²¹⁾⁽²²⁾⁽²⁴⁾, Aegean Sea⁽²⁸⁾⁽¹⁵⁰⁾, Köyceğiz-Dalyan Lagoon⁽⁵³⁾⁽⁵⁴⁾, Sea of Marmara, Gala Lake⁽³⁹⁾

Record: Öztürk and Özer (2009)⁽²⁰⁾, Özer and Yılmaz Kırca (2013)⁽²¹⁾

Özer and Yılmaz Kırca (2015)⁽²²⁾, Öztürk (2003)⁽²³⁾, Özer *et al.* (2016)⁽²⁴⁾, Tareen (1982)⁽²⁸⁾, Soylu (2014)⁽³⁹⁾, Özese Çolak *et al.* (2012)⁽⁵³⁾, Soylu *et al.* (2013)⁽⁵⁴⁾, Öktener and Trilles (2004)⁽¹⁴⁹⁾, Altunel (1983)⁽¹⁵⁰⁾

***Ergasilus sieboldi* Nordmann, 1832**

Synonym: *Ergasilus baikalensis* Messjatzeff, 1928, *Ergasilus depressus* Sars M., 1862, *Ergasilus esocis* Sumpf, 1871, *Ergasilus hoferi* Borodin, 1915, *Ergasilus surbecki* Baumann, 1913, *Ergasilus trisetaceus* Nordmann, 1832

Microhabitat: Gills

Host: *Platichthys flesus*⁽¹⁾, *Mugil cephalus*⁽³⁸⁾, *Neogobius melanostomus*⁽⁵¹⁾, *Neogobius fluviatilis*⁽⁵²⁾, *Proterorhinus marmoratus*⁽⁵²⁾

Location: Black Sea, Sinop Sarıkum Lagoon⁽¹⁾, Sinop Sırakaraağaçlar Stream⁽⁵¹⁾, Samsun Kızılırmak Delta Bafra Fish Lakes⁽⁵²⁾; Sea of Marmara, Karacabey Bayramdere Lagoon⁽³⁸⁾

Record: Öztürk and Özer (2008)⁽¹⁾, Öztürk and Aydoğdu (2003)⁽³⁸⁾, Özer (2007)⁽⁵¹⁾, Güven and Öztürk (2018)⁽⁵²⁾

***Ergasilus* sp.**

Synonym: *Ergasiloides* Sars G.O., 1909, *Limnoncaea* Kokubo, 1914, *Markewitschia* Yamaguti, 1963, *Megabrachinus* Hesse, 1871, *Pseudergasilus* Yamaguti, 1936

Microhabitat: Gills

Host: *Neogobius melanostomus*⁽³⁾⁽⁴⁾, *Chelon auratus*⁽³⁾⁽⁴⁾, *Atherina boyeri*⁽³⁾⁽⁴⁾

Location: Black Sea, Sinop Sırakaraağaçlar Stream⁽³⁾⁽⁴⁾

Record: Ünsal (2008)⁽³⁾, Özer and Ünsal (2009)⁽⁴⁾

FAMILY LERNAEIDAE

***Lernaea* sp.**

Synonym: -

Microhabitat: Gills

Host: *Boops boops*⁽⁵⁸⁾⁽⁵⁹⁾⁽⁶⁰⁾, *Trachurus mediterraneus*⁽⁶²⁾, *Mullus surmuletus*⁽⁵⁹⁾⁽⁹⁷⁾, *Diplodus annularis*⁽⁵⁸⁾⁽⁵⁹⁾, *Pagellus erythrinus*⁽⁵⁸⁾⁽⁵⁹⁾, *Oblada melanura*⁽⁵⁸⁾⁽⁵⁹⁾, *Scomber japonicus*⁽⁶⁴⁾⁽⁶⁵⁾, *Trachurus trachurus*⁽⁸⁷⁾

Location: Aegean Sea⁽⁵⁸⁾⁽⁵⁹⁾⁽⁶⁰⁾⁽⁶²⁾⁽⁶⁴⁾⁽⁶⁵⁾⁽⁹⁷⁾; Sea of Marmara⁽⁸⁷⁾

Record: Akmirza (2000)⁽⁵⁸⁾, Akmirza (2001)⁽⁵⁹⁾, Akmirza (1998)⁽⁶⁰⁾, Akmirza (1998)⁽⁶²⁾, Akmirza (1997)⁽⁶⁴⁾, Akmirza (2003)⁽⁶⁵⁾, Akmirza (2001)⁽⁸⁷⁾, Akmirza (2000)⁽⁹⁷⁾

FAMILY TAENIACANTHIDAE

***Taeniacanthus lagocephali* Pearse, 1952**

Synonym: *Irodes lagocephali* (Pearse, 1952), *Taeniacanthus sabafugu* Yamaguti & Yamasu, 1959

Microhabitat: Gills

Host: *Lagocephalus spadiceus*⁽¹⁵¹⁾

Location: Mediterranean Sea⁽¹⁵¹⁾

Record: Özak *et al.* (2012)⁽¹⁵¹⁾

***Anchistrotos laqueus* Leigh-Sharpe, 1935**

Synonym: *Anchistrotos hamatus* Rounds, 1960, *Taeniacanthus laqueus* (Leigh-Sharpe, 1935)

Microhabitat: Gills

Host: *Serranus hepatus*⁽¹⁵²⁾

Location: Sea of Marmara⁽¹⁵²⁾

Record: Öktener and Trilles (2009)⁽¹⁵²⁾

**ORDER SIPHONOSTOMATOIDA
FAMILY CALIGIDAE**

***Caligus adanensis* Özak, Sakarya & Boxshall 2019**

Synonym: -

Microhabitat: Skin

Host: *Belone belone*⁽¹⁵³⁾

Location: Mediterranean Sea⁽¹⁵³⁾

Record: Özak *et al.* (2019)⁽¹⁵³⁾

***Caligus apodus* (Brian, 1924)**

Synonym: *Pseudocaligus apodus* Brian, 1924, *Pseudolepeophtheirus mediterraneus* Paperna, 1964

Microhabitat: Skin

Host: *Mugil cephalus*⁽¹⁵⁰⁾, *Chelon saliens*⁽¹⁵⁰⁾, *Chelon ramada*⁽¹⁵⁰⁾, *Chelon labrosus*⁽¹⁵⁰⁾, *Solea solea*⁽¹⁵⁴⁾

Location: Aegean Sea⁽¹⁵⁰⁾,

Mediterranean Sea⁽¹⁵⁴⁾

Record: Altunel (1983)⁽¹⁵⁰⁾, Özak *et al.* (2013)⁽¹⁵⁴⁾

***Caligus bonito bonito* Wilson C.B., 1905**

Synonym: *Caligus bonito* Wilson C.B., 1905, *Caligus krishnai* M. M. Thomas, 1968, *Caligus kuroshio* Shiino, 1959, *Caligus sarda* Pearse, 1952

Microhabitat: Gills

Host: *Coryphaena hippurus*⁽¹⁵²⁾

Location: Aegean Sea⁽¹⁵²⁾

Record: Öktener and Trilles (2009)⁽¹⁵²⁾

***Caligus brevicaudatus* Scott A., 1901**

Synonym: *Caligus uranoscopi* Vaissière, 1955

Microhabitat: Skin

Host: *Solea solea*⁽¹⁵⁴⁾,

Chelidonichthys lucerna⁽¹⁵⁵⁾

Location: Mediterranean Sea⁽¹⁵⁴⁾⁽¹⁵⁵⁾

Record: Özak *et al.* (2013)⁽¹⁵⁴⁾, Demirkale *et al.* (2015)⁽¹⁵⁵⁾

***Caligus diaphanus* Von Nordmann, 1832**

Synonym: -

Microhabitat: Gills

Host: *Chelidonichthys lucerna*⁽¹⁵⁶⁾

Location: Aegean Sea⁽¹⁵⁶⁾

Record: Öktener *et al.* (2016)⁽¹⁵⁶⁾

***Caligus lagocephali* Pillai, 1961**

Synonym: *Caligus fugu* Yamaguti & Yamasu, 1959

Microhabitat: Mouth

Host: *Lagocephalus suezensis*⁽¹⁵¹⁾,

Lagocephalus spadiceus⁽¹⁵¹⁾

Location: Mediterranean Sea⁽¹⁵¹⁾

Record: Özak *et al.* (2012)⁽¹⁵¹⁾

***Caligus lichiae* Brian, 1906**

Synonym: *Caligus aesopus* Wilson C.B., 1921

Microhabitat: Gills, mouth

Host: *Seriola dumerili*⁽¹⁵⁷⁾, *Lichia amia*⁽¹⁵⁷⁾

Location: Mediterranean Sea⁽¹⁵⁷⁾

Record: Özak *et al.* (2019)⁽¹⁵⁷⁾

***Caligus ligusticus* Brian, 1906**

Synonym: -

Microhabitat: Operculum inner surface

Host: *Lithognathus mormyrus*⁽¹⁵⁸⁾

Location: Mediterranean Sea⁽¹⁵⁸⁾

Record: Demirkale *et al.* (2015)⁽¹⁵⁸⁾

***Caligus macrurus* Heller, 1865**

Synonym: *Caligus bennetti* Causey, 1953, *Sciaenophilus bennetti* (Causey, 1953), *Sciaenophilus macrurus* (Heller, 1865)

Microhabitat: Gills filaments, gill cavity, farinx

Host: *Lobotes surinamensis*⁽¹⁵⁹⁾

Location: Mediterranean Sea⁽¹⁵⁹⁾

Record: Özak *et al.* (2017)⁽¹⁵⁹⁾

***Caligus minimus* Otto, 1821**

Synonym: *Caligus minutus* Krøyer, 1837

Microhabitat: Gills

Host: *Dicentrarchus labrax*⁽¹⁴⁾⁽²⁸⁾⁽⁴¹⁾⁽¹⁶¹⁾⁽¹⁶²⁾⁽¹⁶³⁾⁽¹⁶⁴⁾⁽¹⁶⁵⁾, *Labrus merula*⁽¹⁶⁰⁾

Location: Aegean Sea⁽²⁸⁾⁽⁴¹⁾⁽¹⁶⁰⁾,

Mediterranean Sea, Adana

Hurmaboğazi Lagoon⁽¹⁴⁾, Çamlık

Lagoon⁽¹⁶¹⁾, Beymelek Lagoon⁽¹⁶⁴⁾,

Yumurtalık⁽¹⁶⁵⁾; Black Sea⁽¹⁶²⁾⁽¹⁶³⁾

Record: Canlı (2010)⁽¹⁴⁾, Tareen (1982)⁽²⁸⁾, Akmirza (2010)⁽⁴¹⁾, Tanrıkul and Percin (2012)⁽¹⁶⁰⁾, Özak (2007)⁽¹⁶¹⁾, Er and Kayış (2015)⁽¹⁶²⁾, Özer and Öztürk (2011)⁽¹⁶³⁾, Yalın *et al.* (2014)⁽¹⁶⁴⁾, Cengizler *et al.* (2001)⁽¹⁶⁵⁾

***Caligus mugilis* Brian, 1935**

Synonym: *Caligus minimus mugilis* Brian, 1935, *Caligus minimus var. mugilis* Brian, 1935
Microhabitat: Gills
Host: *Mugil cephalus*⁽¹⁶⁶⁾
Location: Sea of Marmara, Bandırma Bay⁽¹⁶⁶⁾
Record: Alaş and Öktener (2017)⁽¹⁶⁶⁾

***Caligus mulli* Rodrigus, Özak, Siva, Boxshall 2018**

Synonym: -
Microhabitat: Gill cavity
Host: *Mullus barbatus*⁽¹⁶⁷⁾
Location: Mediterranean Sea⁽¹⁶⁷⁾
Record: Rodrigues *et al.* (2018)⁽¹⁶⁷⁾

***Caligus pageti* Russel, 1925**

Synonym: *Caligus argilasi* Brian, 1931
Microhabitat: Gills
Host: *Mugil cephalus*⁽¹⁵⁰⁾, *Chelon saliens*⁽¹⁵⁰⁾, *Chelon ramada*⁽¹⁵⁰⁾, *Chelon labrosus*⁽¹⁵⁰⁾
Location: Aegean Sea⁽¹⁵⁰⁾
Record: Altunel (1983)⁽¹⁵⁰⁾

***Caligus pelamydis* Krøyer, 1863**

Synonym: *Caligus scomberi* Bassett-Smith, 1896
Microhabitat: Operculum
Host: *Scomber scombrus*⁽²⁸⁾
Location: Aegean Sea⁽²⁸⁾
Record: Tareen (1982)⁽²⁸⁾

***Caligus quadratus* Shiino, 1954**

Synonym: -

Microhabitat: Gills cavity and filaments

Host: *Coryphaena hippurus*⁽¹⁷³⁾

Location: Mediterranean Sea⁽¹⁷³⁾

Record: Özak (2020)⁽¹⁷³⁾

***Caligus scribae* Essafi, Cabral & Raibaut, 1984**

Synonym: -

Microhabitat: Skin

Host: *Sparisoma cretense*⁽¹⁷³⁾

Location: Mediterranean Sea⁽¹⁷³⁾

Record: Özak (2020)⁽¹⁷³⁾

***Caligus solea* Demirkale, Özak, Yanar & Boxshall, 2014**

Synonym: -

Microhabitat: Skin

Host: *Solea solea*⁽¹⁶⁸⁾

Location: Mediterranean Sea⁽¹⁶⁸⁾

Record: Demirkale *et al.* (2014)⁽¹⁶⁸⁾

***Caligus temnodontis* Brian, 1924**

Synonym: *Caligus mauritanicus temnodontis* Brian, 1924

Microhabitat: Gill cavity, mouth, farinx

Host: *Pomatomus saltatrix*⁽¹⁶⁹⁾

Location: Mediterranean Sea⁽¹⁶⁹⁾

Record: Özak *et al.* (2010)⁽¹⁶⁹⁾

***Caligus vexator* Heller, 1865**

Synonym: -

Microhabitat: Gills

Host: *Dentex dentex*⁽¹⁷⁰⁾

Location: Aegean Sea⁽¹⁷⁰⁾

Record: Alaş and Öktener (2017)⁽¹⁷⁰⁾

***Caligus zei* Norman & Scott T., 1906**

Synonym: -

Microhabitat: Skin

Host: *Zeus faber*⁽¹⁷¹⁾

Location: Sea of Marmara⁽¹⁷¹⁾

Record: Öktener *et al.* (2018)⁽¹⁷¹⁾

***Caligus* sp.**

Synonym: *Apogonia* Cressey & Cressey, 1990,
Caligulus Heegaard, 1962,
Cresseyella Bezděk & Cressey, 2004,
Midias Wilson C.B., 1911, *Pargulus*
 Shen, 1940, *Pseudocaligus* Scott A.,
 1901, *Risculus* Leach, 1819,
Sciaenophilus Beneden, 1852,
Scienophilus Beneden, 1852
 (misspelling)
Microhabitat: -
Host: *Sardina pilchardus*⁽¹⁷²⁾
Location: Sea of Marmara⁽¹⁷²⁾
Record: Demirhindi (1961)⁽¹⁷²⁾

***Euryphorus brachypterus*
 (Gerstaecker, 1853)**

Synonym: *Arnaeus thynni* Krøyer,
 1863, *Caligeria bella* Dana, 1849,
Dinematura thynni (Krøyer, 1863),
Dinemoura thynni (Krøyer, 1863),
Dysgamus longifurcatus Wilson C.B.,
 1923, *Dysgamus sagamiensis* Shiino,
 1958, *Elytrophora atlantica* Wilson
 C.B., 1932, *Elytrophora brachyptera*
 Gerstaecker, 1853, *Elytrophora*
hemiptera Wilson C.B., 1921,
Elytrophora indica Shiino, 1958,
Elytrophora thynni (Krøyer, 1863),
Euryphorus atlanticus (Wilson C.B.,
 1932), *Euryphorus bellus* (Dana,
 1849), *Euryphorus hemipterus*
 (Wilson C.B., 1921), *Euryphorus*
indicus (Shiino, 1958)
Microhabitat: Gills, operculum
Host: *Thunnus thynnus*⁽¹⁷⁴⁾
Location: Mediterranean Sea⁽¹⁷⁴⁾
Record: Özak and Yanar (2016)⁽¹⁷⁴⁾

***Lepeophtheirus acutus* Heegaard,
 1943**

Synonym: -
Microhabitat: Skin, mouth
Host: *Rhinobatos rhinobatos*⁽¹⁷⁵⁾,
Aetomylaeus bovinus⁽¹⁷⁵⁾
Location: Mediterranean Sea⁽¹⁷⁵⁾
Record: Özak *et al.* (2018)⁽¹⁷⁵⁾

***Lepeophtheirus europaensis*
 Zeddard, Berrebi, Renaud, Raibaut
 & Gabrion, 1988**

Synonym: -
Microhabitat: Gills
Host: *Platichthys flesus*⁽¹⁷⁶⁾
Location: Sea of Marmara, Ekinli
 Lagoon⁽¹⁷⁶⁾
Record: Oğuz and Öktener (2007)⁽¹⁷⁶⁾

***Lepeophtheirus lichiae* Barnard,
 1948**

Synonym: -
Microhabitat: Skin
Host: *Lichia amia*⁽¹⁷⁷⁾
Location: Mediterranean Sea⁽¹⁷⁷⁾
Record: Sakarya *et al.* (2019)⁽¹⁷⁷⁾

FAMILY HATSCHEKIIDAE

***Hatschekia mulli* (Beneden, 1851)**

Synonym: *Clavella mulli* Beneden,
 1851
Microhabitat: Gills
Host: *Mullus surmuletus*⁽⁵⁹⁾⁽⁹⁷⁾
Location: Aegean Sea⁽⁵⁹⁾⁽⁹⁷⁾
Record: Akmirza (2001)⁽⁵⁹⁾, Akmirza
 (2000)⁽⁹⁷⁾

***Hatschekia pagellibogueravei*
 (Hesse, 1878)**

Synonym: *Clavella sargi* Della Valle,
 1882, *Congericola pagellibogueravei*
 (Hesse, 1878), *Cycnus*
pagellibogueravei Hesse, 1878,
Hatschekia cornigera Scott T., 1909,
Hatschekia pagellibogneravi (Hesse,
 1878), *Hatschekia sargi* (Della Valle,
 1882)
Microhabitat: -
Host: *Diplodus annularis*⁽⁵⁸⁾⁽⁵⁹⁾
Location: Aegean Sea⁽⁵⁸⁾⁽⁵⁹⁾
Record: Akmirza (2000)⁽⁵⁸⁾, Akmirza
 (2001)⁽⁵⁹⁾

***Hatschekia petiti* Nuñez-Ruivo, 1954**

Synonym: -

Microhabitat: Gills
Host: *Epinephelus aeneus*⁽¹⁷⁸⁾
Location: Mediterranean Sea⁽¹⁷⁸⁾
Record: Yalim *et al.* (2016)⁽¹⁷⁸⁾

***Hatschekia* sp.**

Synonym: *Caetrodes* Wilson C.B., 1906, *Pseudoclavella* Bassett-Smith, 1898

Microhabitat: Gills
Host: *Pagellus erythrinus*⁽⁵⁸⁾⁽⁵⁹⁾, *Scomber japonicus*⁽⁶⁵⁾, *Conger conger*⁽⁷⁹⁾
Location: Aegean Sea⁽⁵⁸⁾⁽⁵⁹⁾⁽⁶⁵⁾⁽⁷⁹⁾
Record: Akmirza (2000)⁽⁵⁸⁾, Akmirza (2001)⁽⁵⁹⁾, Akmirza (2003)⁽⁶⁵⁾, Akmirza (2012)⁽⁷⁹⁾

FAMILY LERNAEPODIDAE

***Clavellisa scombri* (Kurz, 1877)**

Synonym: *Anchorella scombri* Kurz, 1877, *Clavella scombri* (Kurz, 1877)
Microhabitat: Gills
Host: *Scomber scombrus*⁽¹⁵²⁾
Location: Sea of Marmara⁽¹⁵²⁾
Record: Öktener and Trilles (2009)⁽¹⁵²⁾

***Clavelloopsis* sp.**

Synonym: *Isobranchia* Heegaard, 1947
Microhabitat: -
Host: *Diplodus sargus*⁽⁵⁹⁾, *Pagellus erythrinus*⁽⁵⁹⁾, *Spoondyllosoma cantharus*⁽⁵⁹⁾
Location: Aegean Sea⁽⁵⁹⁾
Record: Akmirza (2001)⁽⁵⁹⁾

***Clavellotis briani* Benmansour, Ben Hassine, Diebakate & Raibaut, 2001**

Synonym: -
Microhabitat: Gills
Host: *Lithognathus mormyrus*⁽¹⁷⁹⁾
Location: Mediterranean Sea⁽¹⁷⁹⁾
Record: Koyuncu *et al.* (2015)⁽¹⁷⁹⁾

***Clavellotis fallax* (Heller, 1865)**

Synonym: *Anchorella fallax* Heller, 1865, *Clavella fallax* (Heller, 1865), *Clavelloopsis fallax* Heller, 1865

Microhabitat: -
Host: *Diplodus sargus*⁽⁵⁸⁾, *Pagellus erythrinus*⁽⁵⁸⁾, *Spoondyllosoma cantharus*⁽⁵⁸⁾, *Sarpa salpa*⁽⁵⁸⁾
Location: Aegean Sea⁽⁵⁸⁾
Record: Akmirza (2000)⁽⁵⁸⁾

***Clavellotis strumosa* (Brian, 1906)**

Synonym: *Clavella strumosa* Brian, 1906, *Clavelloopsis strumosa* (Brian, 1906) (genus transfer)
Microhabitat: Gills
Host: *Pagellus erythrinus*⁽¹⁸⁰⁾
Location: Sea of Marmara⁽¹⁸⁰⁾
Record: Öktener *et al.* (2008)⁽¹⁸⁰⁾

***Clavellotis* sp.**

Synonym: -
Microhabitat: Gills
Host: *Diplodus vulgaris*⁽¹⁸¹⁾
Location: Mediterranean Sea⁽¹⁸¹⁾
Record: Koyuncu *et al.* (2013)⁽¹⁸¹⁾

***Parabrachiella bispinosa* (Nordmann, 1832)**

Synonym: *Neobrachiella bispinosa* (Nordmann, 1832), *Brachiella bispinosa* Nordmann, 1832, *Brachiella obesa* (Krøyer, 1837), *Lernaeopoda obesa* Krøyer, 1837
Microhabitat: Gills
Host: *Chelidonichthys lucerna*⁽¹⁸²⁾
Location: Aegean Sea⁽¹⁸²⁾
Record: Öktener and Trilles (2004)⁽¹⁸²⁾

***Parabrachiella exigua* (Brian, 1906)**

Synonym: *Brachiella exigua* Brian, 1906, *Eubrachiella exigua* (Brian, 1906), *Neobrachiella exigua* (Brian, 1906)
Microhabitat: Gills
Host: *Pagellus erythrinus*⁽¹⁸²⁾
Location: Aegean Sea⁽¹⁸²⁾

Record: Öktener and Trilles
(2004)⁽¹⁸²⁾

***Parabrachiella hostilis* (Heller, 1865)**

Synonym: *Anchorella hostilis* Heller, 1865, *Brachiella hostilis* (Heller, 1865), *Clavella hostilis* (Heller, 1865), *Clavelloopsis hostilis* (Heller, 1865), *Neobrachiella hostilis* (Heller, 1865)

Microhabitat: Gills

Host: *Umbrina cirros*⁽¹⁸³⁾

Location: Mediterranean Sea⁽¹⁸³⁾

Record: Cengizler *et al.* (2019)⁽¹⁸³⁾

***Parabrachiella richiardii* (Ben Hassine & Raibaut, 1978)**

Synonym: *Brachiella richiardii* Ben Hassine & Raibaut, 1978, *Neobrachiella richiardii* (Ben Hassine & Raibaut, 1978)

Microhabitat: Gills

Host: *Umbrina cirros*⁽¹⁸³⁾

Location: Mediterranean Sea⁽¹⁸³⁾

Record: Cengizler *et al.* (2017)⁽¹⁸³⁾

***Lernaeopoda galei* Krøyer, 1837**

Synonym: *Achtheres galei* (Krøyer, 1837), *Achtheres selachiorum* Kurz, 1877, *Lernaeopoda scyllicola* Leigh-Sharpe, 1916

Microhabitat: Cloaca

Host: *Mustelus mustelus*⁽¹⁸⁴⁾

Location: Aegean Sea⁽¹⁸⁴⁾

Record: Karaytuğ *et al.* (2004)⁽¹⁸⁴⁾

***Thysanote impudica* (Nordmann, 1832)**

Synonym: *Neobrachiella impudica* (Nordmann, 1832), *Brachiella impudica* Nordmann, 1832, *Epibrachiella impudica* (Nordmann, 1832), *Parabrachiella impudica* (Nordmann, 1832)

Microhabitat: Gills

Host: *Chelidonichthys lucerna*⁽¹⁴⁹⁾

Location: Sea of Marmara⁽¹⁴⁹⁾

Record: Öktener and Trilles
(2004)⁽¹⁴⁹⁾

FAMILY LERNANTHROPIDAE
***Lernanthropinus caranxi* (Hesse, 1878)**

Synonym: *Lernanthropinus trachuri* (Brian, 1903), *Lernanthropus carangis* Hesse, 1878 (unapproved correction), *Lernanthropus caranxi* Hesse, 1878 (genus transferring), *Lernanthropus lichiae* Goggio, 1906, *Lernanthropus trachuri* Brian, 1903

Microhabitat: Gills

Host: *Trachurus mediterraneus*
(149)(185)

Location: Sea of Marmara⁽¹⁴⁹⁾⁽¹⁸⁵⁾

Record: Öktener and Trilles
(2004)⁽¹⁴⁹⁾, Öktener (2018)⁽¹⁸⁵⁾

***Lernanthropsis mugilis* (Brian, 1898)**

Synonym: *Lernanthropus mugilis* Brian, 1898

Microhabitat: Gills

Host: *Chelon auratus*⁽¹⁵⁰⁾

Location: Aegean Sea⁽¹⁵⁰⁾

Record: Altunel (1983)⁽¹⁵⁰⁾

***Lernanthropus callionymicola* El-Rashidy & Boxshall, 2012**

Synonym: -

Microhabitat: Gills

Host: *Callionymus filamentosus*⁽¹⁸⁶⁾

Location: Mediterranean Sea⁽¹⁸⁶⁾

Record: Özak *et al.* (2016)⁽¹⁸⁶⁾

***Lernanthropus gisleri* Beneden, 1852**

Synonym: -

Microhabitat: Gills

Host: *Umbrina cirrosa*⁽¹⁸⁶⁾

Location: Mediterranean Sea⁽¹⁸⁶⁾

Record: Özak *et al.* (2016)⁽¹⁸⁶⁾

***Lernanthropus indefinitus* Koyuncu, Castro Romero & Karaytuğ, 2012**

Synonym: -

Microhabitat: Gills
Host: *Argyrosomus regius*⁽¹⁸⁷⁾
Location: Mediterranean Sea⁽¹⁸⁷⁾
Record: Koyuncu *et al.* (2012)⁽¹⁸⁷⁾

***Lernanthropus kroyeri* Beneden, 1851**

Synonym: -
Microhabitat: Gills
Host: *Dicentrarchus labrax*⁽⁵⁾⁽⁴¹⁾⁽¹⁸⁷⁾, *Diplodus annularis*⁽⁴¹⁾
Location: Black Sea⁽⁵⁾; Aegean Sea⁽⁴¹⁾; Mediterranean Sea⁽¹⁸⁷⁾
Record: Özer (2020)⁽⁵⁾, Akmirza (2010)⁽⁴¹⁾, Koyuncu *et al.* (2012)⁽¹⁸⁷⁾

***Lernanthropus nordmanni* Wilson C. B., 1922**

Synonym: -
Microhabitat: Gills
Host: *Dicentrarchus labrax*⁽²⁸⁾
Location: Aegean Sea⁽²⁸⁾
Record: Tareen (1982)⁽²⁸⁾

***Mitrapus oblongus* (Pillai, 1964)**

Synonym: *Lernanthropus oblongus* Pillai, 1964
Microhabitat: Gills
Host: *Sardinella aurita*⁽¹⁸⁸⁾
Location: Mediterranean Sea⁽¹⁸⁸⁾
Record: Romero and Öktener (2010)⁽¹⁸⁸⁾

***Sagum posteli* Delamare Deboutteville & Nunes-Ruivo, 1954**

Synonym: *Paralernanthropus posteli* (Delamare Deboutteville & Nunes-Ruivo, 1954), *Pseudolernanthropus posteli* Delamare Deboutteville & Nunes-Ruivo, 1954
Microhabitat: Gills
Host: *Epinephelus aeneus*⁽¹⁸⁹⁾
Location: Aegean Sea⁽¹⁸⁹⁾
Record: Tokşen *et al.* (2012)⁽¹⁸⁹⁾

FAMILY PANDARIDAE

***Pandarus bicolor* Leach, 1816**

Synonym: *Caligus bicolor* Lamarck, 1818, *Nogagus angustulus* Gerstaecker, 1854, *Nogagus latus* Scott T., 1907, *Nogagus latus* Scott T., 1908, *Pandarus boscii* Leach, 1816, *Pandarus fissifrons* Milne Edwards, 1840, *Pandarus lividus* Frey & Leuckart, 1847

Microhabitat: Skin, fins
Host: *Mustelus mustelus*⁽¹⁵²⁾
Location: Aegean Sea⁽¹⁵²⁾
Record: Öktener and Trilles (2009)⁽¹⁵²⁾

***Philorthragoriscus serratus* (Krøyer, 1863)**

Synonym: *Dinematura serrata* Krøyer, 1863, *Dinemoura serrata* Krøyer, 1863

Microhabitat: Skin
Host: *Mola mola*⁽¹⁷⁸⁾
Location: Mediterranean Sea⁽¹⁷⁸⁾
Record: Yalim *et al.* (2016)⁽¹⁷⁸⁾

FAMILY PENNELIDAE

***Lernaeenicus neglectus* Richiardi, 1877**

Synonym: -
Microhabitat: Gills
Host: *Mugil cephalus*⁽²⁸⁾
Location: Aegean Sea⁽²⁸⁾
Record: Tareen (1982)⁽²⁸⁾

***Lernaeolophus sultanus* (Milne Edwards, 1840)**

Synonym: *Lernaea hemirhamphi* Krøyer, 1863, *Lernaea sieboldi* Koch, 1860, *Lernaeolophus hemirhamphi* (Krøyer, 1863), *Lernaeolophus recurvus* Wilson C.B., 1913, *Pennella sultana* Milne-Edwards, 1840
Microhabitat: Mouth
Host: *Diplodus vulgaris*⁽¹⁸²⁾
Location: Aegean Sea⁽¹⁸²⁾
Record: Öktener and Trilles (2004)⁽¹⁸²⁾

***Peniculus fistula* Nordmann, 1832**

Synonym: *Peniculus fissipes* Wilson C.B., 1917

Microhabitat: Fins

Host: *Coryphaena hippurus*⁽¹⁹⁰⁾

Location: Aegean Sea⁽¹⁹⁰⁾

Record: Öktemer (2008)⁽¹⁹⁰⁾

***Pennella filosa* (Linnaeus, 1758)**

Synonym: *Lernaea cirrhosa* La Martiniere, 1787, *Pennatula filosa* Linnaeus, 1758, *Pennella crassicornis* Steenstrup & Lütken, 1861, *Pennella germonia* Leigh-Sharpe, 1931, *Pennella germonia fagei* Poisson & Razet, 1954, *Pennella histiophori* Thomson G.M., 1890, *Pennella orthagorisci* Wright E.P., 1870, *Pennella pustulosa* Baird, 1847, *Pennella rubra* Brian, 1906 (Brian (1912)), *Pennella tridentata* Listowsky, 1892, *Pennella varians* Steenstrup & Lütken, 1861

Microhabitat: Muscle

Host: *Xiphias gladius*⁽¹⁹¹⁾

Location: Aegean Sea⁽¹⁹¹⁾

Record: Tanrıkul and Akyol (2011)⁽¹⁹¹⁾

***Pennella instructa* Wilson, 1917**

Synonym: *Pennella zeylanica* Kirtisinghe, 1932

Microhabitat: Eye, anal and pectoral fins, muscle

Host: *Xiphias gladius*⁽³²⁾⁽¹⁹²⁾⁽¹⁹³⁾

Location: Aegean Sea⁽³²⁾⁽¹⁹²⁾⁽¹⁹³⁾

Record: Öktemer *et al.* (2010)⁽³²⁾, Öktemer and Leonardos (2006)⁽¹⁹²⁾, Öktemer *et al.* (2007)⁽¹⁹³⁾

CLASS MALACOSTRACA

SUBCLASS

EUMALACOSTRACA

ORDER ISOPODA

FAMILY ARMADILLIDIIDAE

***Armadillidium nasatum* Budde-Lund, 1885**

Synonym: *Armadillidium nasatum* var. *flava* Collinge, 1918,

Armadillidium nasatum var.

nigrescens Collinge, 1918,

Armadillidium quadrifrons Stoller,

1902, *Armadillidium sorrentinum*

Verhoeff, 1908, *Armadillidium*

speyeri Jackson, 1923

Microhabitat: -

Host: *Diplodus annularis*⁽¹⁹⁴⁾

Location: Black Sea⁽¹⁹⁴⁾

Record: Kayış *et al.* (2009)⁽¹⁹⁴⁾

FAMILY CYMOTHOIDAE

***Anilocra frontalis* H. Milne Edwards, 1840**

Synonym: -

Microhabitat: Nostrils, eye, caudal fin, skin

Host: *Oblada melanura*⁽¹⁹⁵⁾,

Lithognathus mormyrus⁽¹⁹⁵⁾, *Pagellus*

erythrinus⁽¹⁹⁵⁾, *Boops boops*⁽¹⁹⁵⁾⁽¹⁹⁷⁾,

Symphodus tinca⁽¹⁹⁶⁾, *Symphodus*

mediterraneus⁽¹⁹⁸⁾, *Anthias*

anthias⁽¹⁹⁸⁾, *Tripterygion delaisi*⁽¹⁹⁸⁾,

Serranus scriba⁽¹⁹⁸⁾, *Raja*

miraletus⁽¹⁹⁹⁾, *Spicara maena*⁽¹⁹⁹⁾,

Sphyræna sphyræna⁽¹⁹⁹⁾

Location: Mediterranean Sea⁽¹⁹⁵⁾⁽¹⁹⁷⁾

⁽¹⁹⁹⁾, Black Sea⁽¹⁹⁶⁾, Aegean Sea⁽¹⁹⁸⁾

Record: İnnal *et al.* (2007)⁽¹⁹⁵⁾

Öktemer and Trilles (2004)⁽¹⁹⁶⁾, İnnal

and Kırkım (2012)⁽¹⁹⁷⁾, Öktemer *et al.*

(2010)⁽¹⁹⁸⁾, Başusta *et al.* (2017)⁽¹⁹⁹⁾

***Anilocra physodes* (Linnaeus, 1758)**

Synonym: *Colombia physodes*

(Linnaeus, 1758), *Oniscus physodes*

Linnaeus, 1758

Microhabitat: Skin

Host: *Spondyliosoma cantharus*⁽⁵⁸⁾,

Diplodus sargus⁽⁵⁸⁾⁽⁵⁹⁾, *Pagellus*

erythrinus⁽⁵⁸⁾⁽²⁰³⁾, *Diplodus*

annularis⁽⁵⁸⁾⁽⁵⁹⁾⁽¹⁹⁵⁾, *Diplodus*

vulgaris⁽⁵⁸⁾⁽⁵⁹⁾⁽¹⁹⁸⁾, *Oblada melanura*

⁽⁵⁸⁾⁽¹⁹⁸⁾, *Scomber japonicus*⁽⁵⁹⁾⁽⁶⁴⁾,

Boops boops⁽⁵⁹⁾⁽¹⁹⁷⁾, *Spicara*

smaris⁽⁵⁹⁾⁽²⁰¹⁾⁽²⁰³⁾⁽²⁰⁴⁾, *Trachurus*

trachurus⁽¹⁷⁶⁾, *Sparus aurata*⁽¹⁷⁶⁾⁽²⁰³⁾,

Lithognathus mormyrus⁽¹⁹⁵⁾,
Sphyraena chrysotaenia⁽¹⁹⁵⁾, *Chelon*
auratus⁽¹⁹⁵⁾, *Spicara maena*⁽¹⁹⁸⁾,
Belone belone⁽²⁰⁰⁾, *Chromis*
chromis⁽²⁰⁰⁾, *Conger conger*⁽²⁰⁰⁾,
Serranus scriba⁽²⁰⁰⁾⁽²⁰³⁾, *Pagellus*
sp.⁽²⁰¹⁾, *Sciaena umbra*⁽²⁰²⁾⁽²⁰³⁾,
Dicentrarchus labrax⁽²⁰³⁾, *Labrus*
merula⁽²⁰³⁾, *Dentex macrophthalmus*
⁽²⁰³⁾

Location: Aegean Sea⁽⁵⁸⁾⁽⁵⁹⁾⁽⁶⁴⁾⁽¹⁹⁸⁾⁽²⁰¹⁾
⁽²⁰²⁾⁽²⁰³⁾⁽²⁰⁴⁾, Ayvalik⁽²⁰⁰⁾, Torbalı
 Harbour⁽²⁰⁰⁾, Saroz Bay⁽²⁰⁰⁾;
Mediterranean Sea⁽¹⁹⁵⁾⁽¹⁹⁷⁾; Sea of
Marmara⁽²⁰⁰⁾, Dardanelles⁽¹⁷⁶⁾

Record: Akmirza (2000)⁽⁵⁸⁾, Akmirza
 (2001)⁽⁵⁹⁾, Akmirza (1998)⁽⁶⁰⁾,
 Akmirza (1997)⁽⁶⁴⁾, Oğuz and Öktener
 (2007)⁽¹⁷⁶⁾, İnnal *et al.* (2007)⁽¹⁹⁵⁾,
 İnnal and Kırkım (2012)⁽¹⁹⁷⁾, Öktener
et al. (2010)⁽¹⁹⁸⁾, Öktener *et al.*
 (2009)⁽²⁰⁰⁾, Geldiay and Kocataş
 (1972)⁽²⁰¹⁾, Kırkım (1998)⁽²⁰²⁾, Kırkım
et al. (2008)⁽²⁰³⁾, Demir (1952)⁽²⁰⁴⁾

Anilocra sp.

Synonym: *Canolira* Leach, 1818,
Epichthys Herklots, 1870

Microhabitat: Skin

Host: *Tripterygion melanurum*⁽¹⁹⁸⁾,
Chromis chromis⁽¹⁹⁸⁾, *Apogon*
imberbis⁽¹⁹⁸⁾, *Serranus cabrilla*⁽¹⁹⁸⁾,
Gobius bucchichi⁽¹⁹⁸⁾, *Pempheris*
vanicolensis⁽¹⁹⁸⁾

Location: Aegean Sea⁽¹⁹⁸⁾

Record: Öktener *et al.* (2010)⁽¹⁹⁸⁾

Ceratothoa capri (Trilles, 1964)

Synonym: *Meinertia capri* Trilles,
 1964

Microhabitat: Skin, mouth

Host: *Boops boops*⁽¹⁹⁷⁾⁽²⁰³⁾, *Raja*
miraletus⁽¹⁹⁹⁾, *Diplodus annularis*⁽²⁰²⁾,
Diplodus puntazzo⁽²⁰²⁾, *Sparus*
aurata⁽²⁰²⁾, *Spicara smaritis*⁽²⁰³⁾

Location: Mediterranean Sea⁽¹⁹⁷⁾⁽¹⁹⁹⁾;
Aegean Sea⁽²⁰²⁾⁽²⁰³⁾

Record: İnnal and Kırkım (2012)⁽¹⁹⁷⁾,
 Başusta *et al.* (2017)⁽¹⁹⁹⁾, Kırkım
 (1988)⁽²⁰²⁾, Kırkım *et al.* (2008)⁽²⁰³⁾

Ceratothoa italica Sechioedte & Meinert, 1883

Synonym: -

Microhabitat: Mouth

Host: *Spicara maena*⁽¹⁹⁶⁾

Location: Sea of Marmara⁽¹⁹⁶⁾

Record: Öktener and Trilles
 (2004)⁽¹⁹⁶⁾

Ceratothoa oestroides (Risso, 1816)

Synonym: *Canolira oestroides* Risso,
 1816, *Ceratothoa sargorum* Gourret,
 1891, *Meinertia oestroides* (Risso,
 1826)

Microhabitat: Mouth, gill cavity

Host: *Dicentrarchus labrax*⁽⁴¹⁾,
Sparus aurata⁽⁴¹⁾, *Lithognathus*
mormyrus⁽⁴¹⁾, *Diplodus puntazzo*⁽⁴¹⁾,
Diplodus annularis⁽⁵⁸⁾⁽⁵⁹⁾, *Diplodus*
vulgaris⁽⁵⁸⁾⁽⁵⁹⁾, *Boops boops*⁽⁵⁸⁾⁽⁵⁹⁾⁽⁶⁰⁾
⁽¹⁹⁷⁾⁽²⁰³⁾, *Spicara smaritis*⁽⁵⁹⁾, *Trachurus*
mediterraneus⁽⁵⁹⁾⁽⁶²⁾, *Scomber*
japonicus⁽⁵⁹⁾⁽⁶⁴⁾, *Spicara maena*⁽⁶¹⁾⁽¹⁹⁶⁾
⁽²⁰³⁾, *Mullus surmuletus*⁽⁹⁷⁾, *Sardina*
pilchardus⁽¹⁷⁶⁾⁽¹⁹⁶⁾⁽²⁰⁴⁾, *Helicolenus*
dactylopterus⁽²⁰⁰⁾, *Rostroraja alba*⁽²⁰³⁾,
Zeus faber⁽²⁰³⁾, *Spondyllosoma*
cantharus⁽²⁰⁶⁾, *Trachurus trachurus*
⁽²⁰⁴⁾, *Phycis phycis*⁽²⁰⁴⁾, *Mullus*
barbatus⁽²⁰⁴⁾, *Abudefduf saxatilis*⁽²⁰⁴⁾,
Pomatomus saltatrix⁽²⁰⁵⁾

Location: Aegean Sea⁽⁴¹⁾⁽⁵⁸⁾⁽⁵⁹⁾⁽⁶⁰⁾⁽⁶¹⁾
⁽⁶²⁾⁽⁶⁴⁾⁽⁹⁷⁾⁽¹⁹⁶⁾⁽²⁰⁰⁾ ⁽²⁰³⁾⁽²⁰⁴⁾⁽²⁰⁵⁾⁽²⁰⁶⁾; Sea of
Marmara, Dardanelles⁽¹⁷⁶⁾, Erdek⁽¹⁹⁶⁾;
Mediterranean Sea⁽¹⁹⁷⁾

Record: Akmirza (2010)⁽⁴¹⁾, Akmirza
 (2000)⁽⁵⁸⁾, Akmirza (2001)⁽⁵⁹⁾,
 Akmirza (1998)⁽⁶⁰⁾, Solak *et al.*
 (2007)⁽⁶¹⁾, Akmirza (1998)⁽⁶²⁾,
 Akmirza (1997)⁽⁶⁴⁾, Akmirza
 (2000)⁽⁹⁷⁾, Oğuz and Öktener
 (2007)⁽¹⁷⁶⁾, Öktener and Trilles
 (2004)⁽¹⁹⁶⁾, İnnal and Kırkım
 (2012)⁽¹⁹⁷⁾, Öktener *et al.* (2009)⁽²⁰⁰⁾,
 Kırkım *et al.* (2008)⁽²⁰³⁾, Demir
 (1952)⁽²⁰⁴⁾, Trilles and Öktener
 (2009)⁽²⁰⁵⁾, Gökpınar *et al.* (2009)⁽²⁰⁶⁾

Ceratothoa parallela (Otto, 1828)

Synonym: *Ceratothoa deplanata* Bovallius, 1885, *Cymothoa parallela* Otto, 1828, *Meinertia parallela* (Otto, 1828)

Microhabitat: Mouth

Host: *Diplodus annularis*⁽⁵⁸⁾⁽⁵⁹⁾, *Boops boops*⁽⁵⁸⁾⁽⁵⁹⁾⁽⁶⁰⁾⁽⁶¹⁾⁽¹⁹⁶⁾⁽¹⁹⁷⁾⁽²⁰¹⁾⁽²⁰³⁾, *Sparus aurata*⁽²⁰³⁾, *Spicara smaris*⁽²⁰³⁾, *Zeus faber*⁽²⁰³⁾

Location: Aegean Sea⁽⁵⁸⁾⁽⁵⁹⁾⁽⁶⁰⁾⁽⁶¹⁾⁽²⁰¹⁾⁽²⁰³⁾; Sea of Marmara, Erdek⁽¹⁹⁶⁾; Mediterranean Sea⁽¹⁹⁷⁾

Record: Akmirza (2000)⁽⁵⁸⁾, Akmirza (2001)⁽⁵⁹⁾, Akmirza (1998)⁽⁶⁰⁾, Solak et al. (2007)⁽⁶¹⁾, Öktener and Trilles (2004)⁽¹⁹⁶⁾, İnnal and Kırkım (2012)⁽¹⁹⁷⁾, Geldiay and Kocataş (1972)⁽²⁰¹⁾, Kırkım et al. (2008)⁽²⁰³⁾

***Ceratothoa steindachneri* Koelbel, 1879**

Synonym: -

Microhabitat: Mouth

Host: *Chlorophthalmus agassizi*⁽¹⁶⁹⁾, *Serranus cabrilla*⁽²⁰⁰⁾

Location: Mediterranean Sea⁽¹⁶⁹⁾; Aegean Sea⁽²⁰⁰⁾

Record: Öktener et al. (2007)⁽¹⁶⁹⁾, Öktener et al. (2009)⁽²⁰⁰⁾

***Ceratothoa* sp.**

Synonym: *Codonophilus* Haswell, 1881, *Cteatessa* Schioedte & Meinert, 1883, *Meinertia* Stebbing, 1893, *Rhexanella* Stebbing, 1911

Microhabitat: -

Host: *Oblada melanura*⁽⁵⁸⁾, *Sarpa salpa*⁽⁵⁸⁾, *Diplodus annularis*⁽⁵⁸⁾⁽⁵⁹⁾, *Boops boops*⁽⁵⁸⁾⁽⁵⁹⁾, *Mullus surmuletus*⁽⁵⁹⁾, *Scomber japonicus*⁽⁵⁹⁾, *Spicara smaris*⁽⁵⁹⁾

Location: Aegean Sea⁽⁵⁸⁾⁽⁵⁹⁾

Record: Akmirza (2000)⁽⁵⁸⁾, Akmirza (2001)⁽⁵⁹⁾

***Emetha audouini* (H. Milne Edwards, 1840)**

Synonym: *Ceratothoa salparum*

Gourret, 1891, *Cymothoa audouini* H. Milne Edwards, 1840

Microhabitat: Mouth

Host: *Spicara smaris*⁽⁶¹⁾⁽²⁰²⁾, *Spicara maena*⁽¹⁹⁶⁾⁽²⁰²⁾⁽²⁰⁷⁾

Location: Aegean Sea⁽⁶¹⁾⁽²⁰²⁾; Sea of Marmara⁽²⁰⁷⁾, Erdek⁽¹⁹⁶⁾

Record: Solak et al. (2007)⁽⁶¹⁾, Öktener and Trilles (2004)⁽¹⁹⁶⁾, Kırkım (1998)⁽²⁰²⁾, Öktener et al. (2017)⁽²⁰⁷⁾

***Livoneca punctata* (Uljanin, 1872)**

Synonym: -

Microhabitat: Gills

Host: *Alosa immaculata*⁽⁹⁹⁾⁽¹⁴⁰⁾⁽¹⁶²⁾, *Alosa fallax*⁽¹⁹⁶⁾

Location: Black Sea⁽⁹⁹⁾⁽¹⁴⁰⁾⁽¹⁶²⁾⁽¹⁹⁶⁾

Record: Özer and Olguner (2013)⁽⁹⁹⁾, Özer et al. (2007)⁽¹⁴⁰⁾, Er and Kayış (2015)⁽¹⁶²⁾, Öktener and Trilles (2004)⁽¹⁹⁶⁾

***Elthusa sinuata* (Koelbel, 1879)**

Synonym: *Cymothoa carryensis* Gourret, 1891, *Livoneca sinuata* Koelbel, 1879

Microhabitat: Gill cavity

Host: *Raja clavata*⁽²⁰⁰⁾, *Argentina sphyraena*⁽²⁰⁰⁾

Location: Black Sea⁽²⁰⁰⁾; Aegean Sea⁽²⁰⁰⁾

Record: Öktener et al. (2009)⁽²⁰⁰⁾

***Mothocya belonae* Bruce, 1986**

Synonym: -

Microhabitat: Mouth

Host: *Belone belone*⁽¹⁹⁶⁾

Location: Black Sea⁽¹⁹⁶⁾

Record: Öktener and Trilles (2004)⁽¹⁹⁶⁾

***Mothocya epimerica* Costa, 1851**

Synonym: *Ceratothoa atherinae* Gourret, 1891

Microhabitat: Gill cavity

Host: *Atherina boyeri*⁽¹⁹⁶⁾⁽²⁰⁹⁾⁽²¹⁰⁾

Location: Black Sea⁽¹⁹⁶⁾⁽²⁰⁹⁾⁽²¹⁰⁾

Record: Öktener and Trilles (2004)⁽¹⁹⁶⁾, Öktener and Sezgin (2000)⁽²⁰⁹⁾, Özer (2002)⁽²¹⁰⁾

***Mothocya taurica* (Czerniavsky, 1868)**

Synonym: *Lironeca taurica* Czerniavsky, 1868

Microhabitat: Mouth

Host: *Helicolenus dactylopterus*⁽²⁰⁰⁾, *Trisopterus minutus*⁽²⁰⁰⁾, *Alosa* sp.⁽²⁰⁷⁾, *Alosa fallax*⁽²⁰⁸⁾

Location: Aegean Sea⁽²⁰⁰⁾; Sea of Marmara⁽²⁰⁷⁾; Black Sea⁽²⁰⁸⁾

Record: Öktener *et al.* (2009)⁽²⁰⁰⁾, Öktener *et al.* (2017)⁽²⁰⁷⁾, Öktener *et al.* (2010)⁽²⁰⁸⁾

***Nerocila acuminata* Schiödte & Meinert, 1881**

Synonym: -

Microhabitat: Skin

Host: *Pegusa nasuta*⁽¹⁶²⁾, *Symphodus* sp.⁽¹⁶²⁾, *Uranoscopus scaber*⁽¹⁶²⁾, *Scorpaena porcus*⁽¹⁶²⁾, *Gobius niger*⁽¹⁶²⁾

Location: Black Sea⁽¹⁶²⁾

Record: Er and Kayış (2015)⁽¹⁶²⁾

***Nerocila bivittata* (Risso, 1816)**

Synonym: *Cymothoa bivittata* Risso, 1816

Microhabitat: Skin

Host: *Sciaena umbra*⁽⁸⁰⁾⁽¹⁶²⁾⁽¹⁹⁸⁾⁽²⁰³⁾, *Pegusa nasuta*⁽¹⁶²⁾, *Symphodus* sp.⁽¹⁶²⁾, *Neogobius melanostomus*⁽¹⁶²⁾, *Platichthys flesus*⁽¹⁶²⁾, *Scophthalmus maximus*⁽¹⁶²⁾, *Uranoscopus scaber*⁽¹⁶²⁾, *Scorpaena porcus*⁽¹⁶²⁾, *Dicentrarchus labrax*⁽¹⁶²⁾, *Belone belone*⁽¹⁶²⁾, *Parablennius sanguinolentus*⁽¹⁶²⁾⁽²²⁰⁾, *Gobius niger*⁽¹⁶²⁾⁽²⁰³⁾, *Syngnathus* sp.⁽¹⁶²⁾⁽²¹¹⁾, *Symphodus tinca*⁽¹⁷⁶⁾⁽²⁰³⁾, *Scorpaena scrofa*⁽¹⁹⁸⁾⁽²⁰⁰⁾, *Pagellus* sp.⁽²⁰¹⁾⁽²⁰⁴⁾, *Dentex macrophthalmus*⁽²⁰³⁾, *Labrus merula*⁽²⁰³⁾, *Trachinus draco*⁽²¹²⁾, *Symphodus cinereus*⁽²¹³⁾, *Mesogobius batrachocephalus*⁽²¹³⁾, *Solea solea*⁽²¹³⁾

Location: Aegean Sea⁽⁸⁰⁾⁽¹⁹⁸⁾⁽²⁰⁰⁾⁽²⁰¹⁾⁽²⁰³⁾⁽²⁰⁴⁾; Black Sea⁽¹⁶²⁾⁽¹⁷⁶⁾⁽²¹¹⁾⁽²¹²⁾⁽²¹³⁾⁽²²⁰⁾

Record: Akmirza (2014)⁽⁸⁰⁾, Er and Kayış (2015)⁽¹⁶²⁾, Oğuz and Öktener (2007)⁽¹⁷⁶⁾, Öktener *et al.* (2010)⁽¹⁹⁸⁾, Öktener *et al.* (2009)⁽²⁰⁰⁾, Geldiay and Kocataş (1972)⁽²⁰¹⁾, Kırkim *et al.* (2008)⁽²⁰³⁾, Demir (1952)⁽²⁰⁴⁾, Kayış and Er (2012)⁽²¹¹⁾, Kayış and Er (2016)⁽²¹²⁾, Okkay and Özer (2017)⁽²¹³⁾, Alaş *et al.* (2008)⁽²²⁰⁾

***Nerocila orbignyi* (Guérin-Méneville, 1832)**

Synonym: *Ichthyophilus orbignyi* Guérin-Méneville, 1832, *Nerocila maculata* H. Milne Edwards, 1840, *Nerocila neapolitana* Schiödte & Meinert, 1879

Microhabitat: Skin, gills, operculum, caudal fin

Host: *Solea solea*⁽⁸²⁾⁽²¹⁴⁾, *Chelon auratus*⁽¹⁹⁶⁾, *Parablennius sanguinolentus*⁽²¹³⁾, *Serranus cabrilla*⁽²¹⁵⁾

Location: Black Sea⁽⁸²⁾⁽¹⁹⁶⁾⁽²¹³⁾⁽²¹⁴⁾; Mediterranean Sea⁽²¹⁵⁾

Record: Çam and Öztürk (2016)⁽⁸²⁾, Öktener and Trilles (2004)⁽¹⁹⁶⁾, Okkay and Özer (2017)⁽²¹³⁾, Kayış and Ceylan (2011)⁽²¹⁴⁾, Özcan *et al.* (2015)⁽²¹⁵⁾

***Nerocila* sp.**

Synonym: *Ichthyophilus* Latreille, 1829

Microhabitat: Skin

Host: *Pegusa nasuta*⁽¹⁶²⁾, *Symphodus* sp.⁽¹⁶²⁾, *Syngnathus* sp.⁽¹⁶²⁾, *Sciaena umbra*⁽¹⁶²⁾, *Mullus barbatus*⁽¹⁶²⁾, *Diplodus puntazzo*⁽¹⁶²⁾

Location: Black Sea⁽¹⁶²⁾

Record: Er and Kayış (2015)⁽¹⁶²⁾

FAMILY GNATHIIDAE

***Paragnathia formica* (Hesse, 1864)**

Synonym: *Anceus formica* Hesse, 1864, *Anceus halidaii* Bate & Westwood, 1866, *Paragnathia halidaii* (Bate & Westwood, 1866)
Microhabitat: Mouth
Host: *Diplodus vulgaris*⁽¹⁸¹⁾, *Mugil cephalus*⁽²⁰³⁾, *Pagellus erythrinus*⁽²⁰³⁾
Location: Mediterranean Sea⁽¹⁸¹⁾; Aegean Sea⁽²⁰³⁾;
Record: Koyuncu *et al.* (2013)⁽¹⁸¹⁾, Kırkım *et al.* (2008)⁽²⁰³⁾

***Gnathia* sp.**

Synonym: *Praniza*
Microhabitat: Mouth, gill filaments
Host: *Diplodus sargus*⁽⁵⁸⁾, *Dentex dentex*⁽⁵⁸⁾, *Lithognathus mormyrus*⁽⁵⁸⁾, *Pagrus pagrus*⁽⁵⁸⁾, *Diplodus annularis*⁽⁵⁸⁾⁽⁵⁹⁾, *Diplodus vulgaris*⁽⁵⁸⁾⁽⁵⁹⁾⁽²¹⁸⁾, *Symphodus tinca*⁽⁵⁹⁾, *Umbrina cirrosa*⁽⁵⁹⁾, *Sciaena umbra*⁽⁸⁰⁾⁽²¹⁸⁾, *Scorpaena porcus*⁽⁵⁹⁾, *Gaidropsarus mediterraneus*⁽⁵⁹⁾⁽²¹⁸⁾, *Conger conger*⁽⁷⁹⁾, *Epinephelus marginatus*⁽²¹⁶⁾, *Epinephelus aeneus*⁽²¹⁷⁾, *Sarpa salpa*⁽²¹⁸⁾, *Scorpaena scrofa*⁽²¹⁸⁾, *Serranus cabrilla*⁽²¹⁸⁾, *Pagellus erythrinus*⁽²¹⁸⁾, *Mullus surmuletus*⁽²¹⁸⁾, *Mugil cephalus*⁽²¹⁸⁾, *Trachurus mediterraneus*⁽²¹⁸⁾, *Epinephelus costae*⁽²¹⁹⁾
Location: Aegean Sea⁽⁵⁸⁾⁽⁵⁹⁾⁽⁷⁹⁾⁽⁸⁰⁾⁽²¹⁸⁾; Mediterranean Sea⁽²¹⁶⁾⁽²¹⁷⁾⁽²¹⁹⁾; Sea of Marmara⁽²¹⁸⁾
Record: Akmirza (2000)⁽⁵⁸⁾, Akmirza (2001)⁽⁵⁹⁾, Akmirza (2012)⁽⁷⁹⁾, Akmirza (2014)⁽⁸⁰⁾, Genç (2007)⁽²¹⁶⁾, Genç *et al.* (2005)⁽²¹⁷⁾, Alaş *et al.* (2009)⁽²¹⁸⁾, Genç *et al.* (2011)⁽²¹⁹⁾

PHYLUM CNIDARIA

CLASS MYXOZOA

SUBCLASS MYXOSPOREA ORDER BIVALVULIDA FAMILY CERATOMYXIDAE

***Ceratomyxa beloneae* Lubat, Radujkovic, Marques & Bouix, 1989**

Synonym: -
Microhabitat: Gall bladder
Host: *Belone belone*⁽²⁶⁾⁽²²¹⁾
Location: Black Sea⁽²⁶⁾⁽²²¹⁾
Record: Özer and Yurakhno (2013)⁽²⁶⁾, Yurakhno and Özer (2020)⁽²²¹⁾

***Ceratomyxa elegans* Jameson, 1929**

Synonym: -
Microhabitat: Gall bladder
Host: *Scorpaena porcus*⁽²²¹⁾⁽²²²⁾
Location: Black Sea⁽²²¹⁾⁽²²²⁾
Record: Yurakhno and Özer (2020)⁽²²¹⁾, Okkay *et al.* (2018)⁽²²²⁾

***Ceratomyxa merlangi* Zaika, 1966**

Synonym: -
Microhabitat: Gall bladder
Host: *Merlangius merlangus*⁽¹⁰⁾⁽¹⁶⁾⁽¹⁷⁾⁽²²¹⁾⁽²²³⁾⁽²²⁴⁾⁽²²⁵⁾⁽²²⁶⁾
Location: Black Sea⁽¹⁰⁾⁽¹⁶⁾⁽¹⁷⁾⁽²²¹⁾⁽²²³⁾⁽²²⁴⁾⁽²²⁵⁾⁽²²⁶⁾
Record: Özer *et al.* (2012)⁽¹⁰⁾, Özer *et al.* (2015)⁽¹⁶⁾, Özer *et al.* (2015)⁽¹⁷⁾, Yurakhno and Özer (2020)⁽²²¹⁾, Özer *et al.* (2017)⁽²²³⁾, Özkan (2015)⁽²²⁴⁾, Özer *et al.* (2015)⁽²²⁵⁾, Özer *et al.* (2015)⁽²²⁶⁾

***Ceratomyxa* sp.**

Synonym: -
Microhabitat: Gall bladder
Host: *Dicentrarchus labrax*⁽¹⁶³⁾, *Solea solea*⁽²²²⁾, *Scophthalmus maeoticus*⁽²²⁷⁾, *Atherina hepsetus*⁽²²⁸⁾
Location: Black Sea⁽¹⁶³⁾⁽²²²⁾⁽²²⁷⁾⁽²²⁸⁾
Record: Özer and Öztürk (2011)⁽¹⁶³⁾, Okkay *et al.* (2018)⁽²²²⁾, Yurakhno *et al.* (2017)⁽²²⁷⁾, Okkay and Özer (2020)⁽²²⁸⁾

FAMILY CHLOROMYXIDAE

***Chloromyxum partistriatus* Kovaleva, Donec & Kolesnikova, 1989**

Synonym: -

Microhabitat: Gall bladder
Host: *Raja clavata*⁽²²⁸⁾⁽²²⁹⁾
Location: Black Sea⁽²²⁸⁾⁽²²⁹⁾
Record: Okay and Özer (2020)⁽²²⁸⁾,
 Okay and Özer (2018)⁽²²⁹⁾

***Chloromyxum* sp.**

Synonym: -
Microhabitat: Gall bladder
Host: *Raja clavata*⁽⁵⁾
Location: Black Sea⁽⁵⁾
Record: Özer (2020)⁽⁵⁾

FAMILY FABESPORIDAE

***Fabespora nana* Naidenova & Zaika, 1969**

Synonym: -
Microhabitat: Gall bladder
Host: *Platichthys flesus*⁽²²²⁾,
Mesogobius batrachocephalus⁽²²⁸⁾
Location: Black Sea⁽²²²⁾⁽²²⁸⁾
Record: Okay *et al.* (2018)⁽²²²⁾,
 Okay and Özer (2020)⁽²²⁸⁾

FAMILY KUDOIDAE

***Kudoa anatolica* Özer, Okay, Gürkanlı, Yılmaz, Yurakhno, 2018**

Synonym: -
Microhabitat: Muscle, urinary bladder, kidney
Host: *Atherina hepsetus*⁽²²¹⁾⁽²³⁴⁾⁽²³⁵⁾
Location: Black Sea⁽²²¹⁾⁽²³⁴⁾⁽²³⁵⁾
Record: Yurakhno and Özer (2020)⁽²²¹⁾, Özer *et al.* (2018)⁽²³⁴⁾,
 Özer *et al.* (2018)⁽²³⁵⁾

***Kudoa nilüferi* Özer, Okay, Gürkanlı, Yılmaz, Yurakhno, 2018**

Synonym: -
Microhabitat: Muscle
Host: *Neogobius melanostomus*⁽²²¹⁾⁽²³⁴⁾⁽²³⁵⁾
Location: Black Sea⁽²²¹⁾⁽²³⁴⁾⁽²³⁵⁾
Record: Yurakhno and Özer (2020)⁽²²¹⁾, Özer *et al.* (2018)⁽²³⁴⁾,
 Özer *et al.* (2018)⁽²³⁵⁾

FAMILY MYXIDIIDAE

***Enteromyxum leei* (Diamant, Lom & Dykova, 1994)**

Synonym: *Myxidium leei* Diamant, Lom & Dyková, 1994
Microhabitat: Gall bladder, intestine
Host: *Chromis chromis*⁽²²¹⁾⁽²²⁴⁾⁽²²⁵⁾⁽²³⁰⁾
Location: Black Sea⁽²²¹⁾⁽²²⁴⁾⁽²²⁵⁾⁽²³⁰⁾
Record: Yurakhno and Özer (2020)⁽²²¹⁾, Özkan (2015)⁽²²⁴⁾, Özer *et al.* (2015)⁽²²⁵⁾, Özer *et al.* (2014)⁽²³⁰⁾

***Myxidium gadi* Georgevitch, 1916**

Synonym: -
Microhabitat: Gall bladder
Host: *Merlangius merlangus*⁽¹⁰⁾⁽¹⁶⁾⁽¹⁷⁾⁽²²³⁾⁽²²⁴⁾⁽²²⁵⁾⁽²²⁶⁾, *Platichthys flesus*⁽²²²⁾
Location: Black Sea⁽¹⁰⁾⁽¹⁶⁾⁽¹⁷⁾⁽²²²⁾⁽²²³⁾⁽²²⁴⁾⁽²²⁵⁾⁽²²⁶⁾
Record: Özer *et al.* (2012)⁽¹⁰⁾, Özer *et al.* (2015)⁽¹⁶⁾, Özer *et al.* (2015)⁽¹⁷⁾, Okay *et al.* (2018)⁽²²²⁾, Özer *et al.* (2017)⁽²²³⁾, Özkan (2015)⁽²²⁴⁾, Özer *et al.* (2015)⁽²²⁵⁾, Özer *et al.* (2015)⁽²²⁶⁾

***Myxidium parvum* Yurakhno, 1991**

Synonym: -
Microhabitat: Gall bladder
Host: *Parablennius tentacularis*⁽⁴⁶⁾⁽²²¹⁾⁽²²⁴⁾⁽²²⁵⁾, *Salarias pavo*⁽⁴⁶⁾⁽²²¹⁾⁽²²⁴⁾⁽²²⁵⁾
Location: Black Sea⁽⁴⁶⁾⁽²²¹⁾⁽²²⁴⁾⁽²²⁵⁾
Record: Özer *et al.* (2015)⁽⁴⁶⁾, Yurakhno and Özer (2020)⁽²²¹⁾, Özkan (2015)⁽²²⁴⁾, Özer *et al.* (2015)⁽²²⁵⁾

***Sigmomyxa sphaerica* (Thélohan, 1895)**

Synonym: *Myxidium sphaericum* Thélohan, 1895
Microhabitat: Gall bladder
Host: *Belone belone*⁽²⁶⁾⁽²²¹⁾
Location: Black Sea⁽²⁶⁾⁽²²¹⁾
Record: Özer and Yurakhno (2013)⁽²⁶⁾, Yurakhno and Özer (2020)⁽²²¹⁾

Zschokkella iskovi Kovaleva, Donec & Kolesnikova, 1989

Synonym: -

Microhabitat: Gall bladder

Host: *Gaidropsarus mediterraneus* (228)(231)

Location: Black Sea (228)(231)

Record: Okay and Özer (2020) (228), Okay *et al.* (2017) (231)

FAMILY MYXOBILATIDAE

***Myxobolatus gasterostei* (Parisi, 1912)**

Synonym: -

Microhabitat: Kidney

Host: *Gasterosteus aculeatus* (232)

Location: Black Sea (232)

Record: Özer (2003) (232)

FAMILY MYXOBOLIDAE

***Henneguya sinova* Özer, Özkan, Gürkanlı, Yurakhno & Çiftçi, 2016**

Synonym: -

Microhabitat: Gills

Host: *Parablennius tentacularis* (221)(233)

Location: Black Sea (221)(233)

Record: Yurakhno and Özer (2020) (221), Özer *et al.* (2016) (233)

***Henneguya* sp.**

Synonym: -

Microhabitat: Gills

Host: *Parablennius tentacularis* (224)

Location: Black Sea (224)

Record: Özkan (2015) (224)

***Myxobolus asymmetricus* (Parisi, 1912) Landsberg & Lom, 1991**

Synonym: -

Microhabitat: Kidney

Host: *Parablennius tentacularis* (46) (221)(224)(225), *Parablennius sanguinolentus* (46)(221)(224)(225)

Location: Black Sea (46)(221)(224)(225)

Record: Özer *et al.* (2015) (46), Yurakhno and Özer (2020) (221), Özkan (2015) (224), Özer *et al.* (2015) (225)

***Myxobolus episquamalis* Egusa, Maeno & Sorimachi, 1990**

Synonym: -

Microhabitat: Scale

Host: *Mugil cephalus* (236)(237)

Location: Mediterranean Sea, Çamlık Lagoon (236), Black Sea (237)

Record: Özak *et al.* (2012) (236), Şimşek (2019) (237)

***Myxobolus exiguus* Thelohan, 1895**

Synonym: *Myxosporidium mugilis* Perugia, 1891

Microhabitat: Gills

Host: *Mugil cephalus* (150)

Location: Sea of Marmara (150)

Record: Altunel (1983) (150)

***Myxobolus ichkeulensis* Bahri & Marques, 1996**

Synonym: -

Microhabitat: Gills

Host: *Mugil cephalus* (236)(238)

Location: Mediterranean Sea, Çamlık Lagoon (236), Adana coasts (238)

Record: Özak *et al.* (2012) (236), Demirkale and Cengizler (2016) (238)

***Myxobolus muelleri* Bütschli, 1882**

Synonym: -

Microhabitat: Gills, kidney

Host: *Diplodus annularis* (222)(224)(225), *Mugil cephalus* (239)

Location: Black Sea (222)(224)(225)(239)

Record: Okay *et al.* (2018) (222), Özkan (2015) (224), Özer *et al.* (2015) (225), Umur *et al.* (2010) (239)

***Myxobolus parvus* Shulman, 1962**

Synonym: -

Microhabitat: Gills, gall bladder, kidney, lower jaw

Host: *Chelon saliens*⁽²²⁴⁾⁽²²⁵⁾⁽²⁴⁶⁾,
Mullus barbatus⁽²²⁴⁾⁽²²⁵⁾
Location: Black Sea⁽²²⁴⁾⁽²²⁵⁾⁽²⁴⁶⁾
Record: Özkan (2015)⁽²²⁴⁾, Özer et al.
(2015)⁽²²⁵⁾, Özer et al. (2016)⁽²⁴⁶⁾

***Myxobolus rotundus* Nemeczek,
1911**

Synonym: -
Microhabitat: Kidney
Host: *Symphodus cinereus*⁽²²⁴⁾⁽²²⁵⁾
Location: Black Sea⁽²²⁴⁾⁽²²⁵⁾
Record: Özkan (2015)⁽²²⁴⁾, Özer et al.
(2015)⁽²²⁵⁾

***Myxobolus* sp.**

Synonym: -
Microhabitat: Kidney
Host: *Scomber japonicus*⁽⁶⁵⁾, *Gobius
niger*⁽²²⁴⁾⁽²²⁵⁾, *Gobius paganellus*⁽²²⁴⁾
⁽²²⁵⁾, *Neogobius melanostomus*⁽²²⁴⁾⁽²²⁵⁾
⁽²²⁸⁾, *Parablennius tentacularis*⁽²²⁵⁾,
Chelon saliens⁽²²⁴⁾⁽²²⁵⁾, *Symphodus
cinereus*⁽²²⁸⁾
Location: Mediterranean Sea⁽⁶⁵⁾;
Black Sea⁽²²⁴⁾⁽²²⁵⁾⁽²²⁸⁾
Record: Akmirza (2003)⁽⁶⁵⁾, Özkan
(2015)⁽²²⁴⁾, Özer et al. (2015)⁽²²⁵⁾,
Okkay and Özer (2020)⁽²²⁸⁾

FAMILY ORTHOLINEIDAE

***Ortholinea divergens* Thélohan,
1895**

Synonym: *Sphaerospora divergens*
Thélohan, 1895
Microhabitat: Urinary bladder
Host: *Parablennius sanguinolentus*⁽⁴⁶⁾
⁽²²¹⁾⁽²²⁴⁾⁽²²⁵⁾, *Symphodus cinereus*⁽²²⁵⁾
⁽²²⁸⁾
Location: Black Sea⁽⁴⁶⁾⁽²²¹⁾⁽²²⁴⁾⁽²²⁵⁾⁽²²⁸⁾
Record: Özer et al. (2015)⁽⁴⁶⁾,
Yurakhno and Özer (2020)⁽²²¹⁾, Özkan
(2015)⁽²²⁴⁾, Özer et al. (2015)⁽²²⁵⁾,
Okkay and Özer (2020)⁽²²⁸⁾

***Ortholinea gobiusi* Naidenova, 1968**

Synonym: -

Microhabitat: Urinary bladder
Host: *Neogobius melanostomus*⁽⁴⁶⁾
⁽²²¹⁾⁽²²⁴⁾⁽²²⁵⁾

Location: Black Sea⁽⁴⁶⁾⁽²²¹⁾⁽²²⁴⁾⁽²²⁵⁾
Record: Özer et al. (2015)⁽⁴⁶⁾,
Yurakhno and Özer (2020)⁽²²¹⁾, Özkan
(2015)⁽²²⁴⁾, Özer et al. (2015)⁽²²⁵⁾

***Ortholinea mullusi* Gürkanlı,
Güneydağ, Çiftçi, Yurakhno &
Özer, 2018**

Synonym: -
Microhabitat: Urinary bladder,
kidney
Host: *Mullus barbatus*⁽²²¹⁾⁽²⁴⁰⁾⁽²⁴¹⁾⁽²⁴²⁾
Location: Black Sea⁽²²¹⁾⁽²⁴⁰⁾⁽²⁴¹⁾⁽²⁴²⁾
Record: Yurakhno and Özer
(2020)⁽²²¹⁾, Gürkanlı et al. (2017)⁽²⁴⁰⁾,
Gürkanlı et al. (2018)⁽²⁴¹⁾, Özer et al.
(2018)⁽²⁴²⁾

***Ortholinea orientalis* (Shulman et
Shulman-Albova, 1953)**

Synonym: -
Microhabitat: Urinary bladder
Host: *Mullus barbatus*⁽²²¹⁾⁽²²⁴⁾⁽²²⁵⁾⁽²⁴³⁾,
Alosa tanaica⁽²²¹⁾⁽²²⁴⁾⁽²²⁵⁾⁽²⁴³⁾, *Alosa
immaculata*⁽²²⁸⁾, *Engraulis
engrasicolus*⁽²²⁸⁾
Location: Black Sea⁽²²¹⁾⁽²²⁴⁾⁽²²⁵⁾⁽²²⁸⁾
⁽²⁴³⁾
Record: Yurakhno and Özer
(2020)⁽²²¹⁾, Özkan (2015)⁽²²⁴⁾, Özer et
al. (2015)⁽²²⁵⁾, Okkay and Özer
(2020)⁽²²⁸⁾, Özer et al. (2015)⁽²⁴³⁾

***Ortholinea* sp.**

Synonym: -
Microhabitat: Kidney
Host: *Gobius niger*⁽²²⁸⁾
Location: Black Sea⁽²²⁸⁾
Record: Okkay and Özer (2020)⁽²²⁸⁾

FAMILY SINUOLINEIDAE

***Sinuolinea rebae* Tripathi, 1948**

Synonym: -
Microhabitat: Urinary bladder

Host: *Solea solea*⁽⁴⁶⁾⁽²²¹⁾⁽²²²⁾⁽²²⁴⁾⁽²²⁵⁾
Location: Black Sea⁽⁴⁶⁾⁽²²¹⁾⁽²²²⁾⁽²²⁴⁾⁽²²⁵⁾
Record: Özer *et al.* (2015)⁽⁴⁶⁾,
 Yurakhno and Özer (2020)⁽²²¹⁾, Okkay
et al. (2018)⁽²²²⁾, Özkan (2015)⁽²²⁴⁾,
 Özer *et al.* (2015)⁽²²⁵⁾

FAMILY SPHAEROMYXIDAE

Sphaeromyxa sevastopoli
Naidenova, 1970

Synonym: -
Microhabitat: Gall bladder
Host: *Parablennius sanguinolentus*⁽⁴⁶⁾
⁽²²⁴⁾⁽²²¹⁾⁽²²⁵⁾⁽²⁴⁴⁾, *Gaidropsarus*
mediterraneus⁽²²⁸⁾⁽²³¹⁾⁽²⁴⁴⁾, *Mesogobius*
batrachocephalus⁽²²⁸⁾⁽²⁴⁴⁾
Location: Black Sea⁽⁴⁶⁾⁽²²¹⁾⁽²²⁴⁾⁽²²⁵⁾
⁽²²⁸⁾⁽²³¹⁾⁽²⁴⁴⁾
Record: Özer *et al.* (2015)⁽⁴⁶⁾,
 Yurakhno and Özer (2020)⁽²²¹⁾, Özkan
 (2015)⁽²²⁴⁾, Özer *et al.* (2015)⁽²²⁵⁾,
 Okkay and Özer (2020)⁽²²⁸⁾, Okkay *et*
al. (2017)⁽²³¹⁾, Okkay *et al.* (2020)⁽²⁴⁴⁾

***Sphaeromyxa* sp.**

Synonym: -
Microhabitat: -
Host: *Gaidropsarus mediterraneus*⁽⁷¹⁾
Location: Black Sea⁽⁷¹⁾
Record: Öztürk and Çam (2016)⁽⁷¹⁾

FAMILY SPHAEROSPORIDAE

***Sphaerospora elegans* Thelohan,**
1892

Synonym: -
Microhabitat: Kidney
Host: *Gasterosteus aculeatus*⁽²³²⁾
Location: Black Sea⁽²³²⁾
Record: Özer (2003)⁽²³²⁾

***Sphaerospora mugilis* Sitja-**
Bobadilla et Alvarez-Pellitero, 1995

Synonym: *Polysporoplasma mugilis*
 Sitja-Bobadilla et Alvarez-Pellitero,
 1995
Microhabitat: Kidney

Host: *Chelon saliens*⁽²²⁴⁾⁽²²⁵⁾⁽²⁴⁵⁾
Location: Black Sea⁽²²⁴⁾⁽²²⁵⁾⁽²⁴⁵⁾
Record: Özkan (2015)⁽²²⁴⁾, Özer *et al.*
 (2015)⁽²²⁵⁾, Özer *et al.* (2017)⁽²⁴⁵⁾

PHYLUM MICROSPORIDIA

CLASS MICROSPOREA

ORDER GLUGEIDA FAMILY GLUGEIDAEDAE

***Loma* sp.**

Synonym: -
Microhabitat: Rectum
Host: *Mullus barbatus*⁽¹²⁾⁽⁹⁴⁾
Location: Black Sea⁽¹²⁾⁽⁹⁴⁾
Record: Öztürk and Yeşil (2014)⁽¹²⁾,
 Öztürk and Yeşil (2018)⁽⁹⁴⁾

PHYLUM ACANTHOCEPHALA

CLASS PALAEACANTHOCEPHALA

ORDER ECHINORHYNCHIDA FAMILY ARHYTHMACANTHIDAE

Acanthocephaloides irregularis
Amin et Kvach, 2011

Synonym: -
Microhabitat: Intestine
Host: *Mullus barbatus*⁽¹²⁾⁽⁹⁴⁾,
Scorpaena porcus⁽¹¹²⁾
Location: Black Sea⁽¹²⁾⁽⁹⁴⁾⁽¹¹²⁾
Record: Öztürk and Yeşil (2014)⁽¹²⁾,
 Öztürk and Yeşil (2018)⁽⁹⁴⁾, Tepe and
 Oğuz (2013)⁽¹¹²⁾

Acanthocephaloides propinquus
(Dujard., 1845) Meyer, 1933

Synonym: *Echinorhynchus*
propinquus Dujardin, 1845
Microhabitat: Intestine

Host: *Gobius niger*⁽³³⁾, *Eutrigla gurnardus*⁽³³⁾, *Gobius cobitis*⁽³³⁾, *Scorpaena scrofa*⁽³³⁾, *Merluccius merluccius*⁽³³⁾⁽²⁴⁷⁾, *Solea solea*⁽³³⁾⁽²⁴⁷⁾, *Uranoscopus scaber*⁽³³⁾⁽²⁴⁷⁾

Location: Sea of Marmara, Mudanya⁽³³⁾, Gemlik Gulf⁽²⁴⁷⁾

Record: Oğuz (1995)⁽³³⁾, Oğuz and Kvach (2006)⁽²⁴⁷⁾

FAMILY ECHINORHYNCHIDAE

Solearhynchus rhytidotes (Monticelli, 1905) Belofastova, 2006

Synonym: *Acanthocephaloides kostylewi* Meyer, 1932, *Acanthocephaloides rhytidotes* (Monticelli, 1905) Belofastova & Korniyuch, 2000, *Acanthocephaloides soleae* (Porta, 1905) Meyer, 1932 in Petrotschenko, 1956, *Echinorhynchus rhytidotes* Monticelli, 1905, *Echinorhynchus soleae* Porta, 1905, *Paracanthocephaloides kostylewi* (Meyer, 1932) Pichelin & Cribb, 1999, *Paracanthocephaloides soleae* (Porta, 1905) Paggi & Orecchia, 1983, *Solearhynchus kostylewi* (Meyer, 1932) Kvach & Oğuz, 2010, *Solearhynchus soleae* (Porta, 1905) de Buron & Maillard, 1985

Microhabitat: Intestine

Host: *Solea solea*⁽³³⁾⁽⁸²⁾⁽²⁴⁷⁾

Location: Sea of Marmara, Mudanya⁽³³⁾, Gemlik Gulf⁽²⁴⁷⁾; Black Sea⁽⁸²⁾

Record: Oğuz (1995)⁽³³⁾, Çam and Öztürk (2016)⁽⁸²⁾, Oğuz and Kvach (2006)⁽²⁴⁷⁾

Acanthocephalus clavula (Dujardin, 1845) Grabda-Kazubska & Chubb, 1968

Synonym: *Echinorhynchus clavula* Dujardin, 1845, *Pseudoechinorhynchus clavula* (Dujardin, 1845) Petrochenko, 1956

Microhabitat: Intestine

Host: *Anguilla anguilla*⁽⁴⁹⁾⁽⁵³⁾

Location: Aegean Sea⁽⁴⁹⁾, Köyceğiz-Dalyan Lagoon⁽⁵³⁾

Record: Altunel (1980)⁽⁴⁹⁾, Özesen Çolak et al. (2012)⁽⁵³⁾

Acanthocephalus lucii (Mueller, 1776) Lühe 1911

Synonym: *Echinorhynchus angustatus* Rudolphi, 1802, *Echinorhynchus blennii* Rudolphi, 1810, *Echinorhynchus lucii* Müller, 1776

Microhabitat: -

Host: *Pegusa nasuta*⁽⁵⁹⁾, *Diplodus vulgaris*⁽⁵⁹⁾, *Scorpaena porcus*⁽⁵⁹⁾

Location: Aegean Sea⁽⁵⁹⁾

Record: Akmirza (2001)⁽⁵⁹⁾

Acanthocephalus sp.

Synonym: *Haerucula* Pallas, 1760, *Paracanthocephalus* Achmerov & Dombrowskaja-Achmerova, 1941, *Pseudoechinorhynchus* Petrochenko, 1956

Microhabitat: -

Host: *Diplodus vulgaris*⁽⁵⁸⁾

Location: Aegean Sea⁽⁵⁸⁾

Record: Akmirza (2000)⁽⁵⁸⁾

Echinorhynchus sp.

Synonym: *Echinorhynchus* Zoega in Müller, 1776 (misspelling), *Metechinorhynchus* Petrochenko, 1956

Microhabitat: Intestine

Host: *Merluccius merluccius*⁽³³⁾

Location: Sea of Marmara⁽³³⁾

Record: Oğuz (1995)⁽³³⁾

Echinorhynchida gen. sp.

Synonym: -

Microhabitat: Intestine

Host: *Mullus surmuletus*⁽⁹⁷⁾

Location: Aegean Sea⁽⁹⁷⁾

Record: Akmirza (2000)⁽⁹⁷⁾

FAMILY ILLIOCENTHIDAE

***Telosentis exiguus* (von Linstow, 1901)**

Synonym: *Echinorhynchus exiguus* von Linstow, 1901

Microhabitat: Intestine

Host: *Platichthys flesus*⁽¹⁰⁷⁾

Location: Sea of Marmara, Ekinli Lagoon⁽¹⁰⁷⁾

Record: Oğuz (1989)⁽¹⁰⁷⁾

**FAMILY
NEORCHINORHYNCHIDAE**

***Neoechinorhynchus*
(*Neoechinorhynchus*) *agilis*
(Rudolphi, 1819) Van Cleave, 1916**

Synonym: *Echinorhynchus agilis* Rudolphi, 1819 (Superseded combination), *Eorhynchus agilis* (Rudolphi, 1819) Van Cleave, 1914 (Superseded combination), *Neorhynchus agilis* (Rudolphi, 1819) Hamann, 1892 (Superseded combination)

Microhabitat: Intestine

Host: *Chelon auratus*⁽²¹⁾⁽¹¹²⁾, *Mugil cephalus*⁽²²⁾⁽²⁴⁾⁽⁸⁹⁾⁽¹⁵⁰⁾, *Chelon saliens*⁽⁸⁶⁾⁽⁹⁰⁾⁽¹⁵⁰⁾, *Chelon labrosus*⁽³⁶⁾⁽¹⁵⁰⁾, *Chelon ramada*⁽¹⁵⁰⁾

Location: Black Sea⁽¹¹²⁾, Samsun Kızılırmak Delta Bafra Fish Lakes⁽²¹⁾⁽²²⁾⁽²⁴⁾, Sea of Marmara⁽⁸⁶⁾, Küçükçekmece Lagoon⁽⁸⁹⁾, Aegean Sea⁽⁹⁰⁾⁽¹⁵⁰⁾, Mediterranean Sea, Beymelek Lagoon⁽³⁶⁾

Record: Özer and Yılmaz Kırca (2013)⁽²¹⁾, Özer and Yılmaz Kırca (2015)⁽²²⁾, Özer *et al.* (2016)⁽²⁴⁾, Aydoğdu *et al.* (2015)⁽³⁶⁾, Keser *et al.* (2007)⁽⁸⁶⁾, Akmirza (1993)⁽⁸⁹⁾, Keser (2002)⁽⁹⁰⁾, Tepe and Oğuz (2013)⁽¹¹²⁾, Altunel (1983)⁽¹⁵⁰⁾

***Neoechinorhynchus*
(*Neoechinorhynchus*) *rutili* (Müller, 1780) Hamann in Stiles & Hassall, 1905**

Synonym: *Echinorhynchus clavaecephs* Zeder, 1800,

Echinorhynchus rutili Müller, 1780, *Neoechinorhynchus carassii* Roitman, 1961, *Neoechinorhynchus clavaecephs* (Zeder, 1800) Hamann in Stiles & Hassall, 1905, *Neoechinorhynchus simnasularis* Roitman, 1961, *Neorhynchus clavaecephs* (Zeder, 1800) Hamann, 1892

Microhabitat: Intestine

Host: *Platichthys flesus*⁽¹⁾, *Neogobius melanostomus*⁽⁵¹⁾

Location: Black Sea, Sinop Sarıkum Lagoon⁽¹⁾, Sinop Sırakaraağaçlar Stream⁽⁵¹⁾

Record: Öztürk and Özer (2008)⁽¹⁾, Özer (2007)⁽⁵¹⁾

***Neoechinorhynchus* sp.**

Synonym: *Eorhynchus* Van Cleave, 1914, *Eosentis* Van Cleave, 1928, *Neorhynchus* Hamann, 1892

Microhabitat: Intestine

Host: *Mugil cephalus*⁽³⁸⁾

Location: Aegean Sea, Karacabey Bayramdere Lagoon⁽³⁸⁾

Record: Öztürk and Aydoğdu (2003)⁽³⁸⁾

FAMILY POMPORHYNCHIDAE

***Longicollum pagrosomi* Yamaguti, 1935**

Synonym: -

Microhabitat: Intestine

Host: *Trachurus trachurus*⁽³³⁾⁽²⁴⁷⁾, *Sciaena umbr*⁽⁸⁰⁾

Location: Sea of Marmara⁽³³⁾, Gemlik Körfezi⁽²⁴⁷⁾, Aegean Sea⁽⁸⁰⁾

Record: Oğuz (1995)⁽³³⁾, Akmirza (2014)⁽⁸⁰⁾, Oğuz and Kvach (2006)⁽²⁴⁷⁾

***Pomphorhynchus laevis* (Zoega in Mueller, 1776)**

Synonym: *Acanthocephalus lavareti* (Rudolphi, 1809) Diesing, 1851, *Echinorhynchus laevis* Zoega in Müller, 1776, *Echinorhynchus lavareti* Rudolphi, 1809, *Echinorhynchus proteus* Westrumb,

1821, *Echinorhynchus salvelini*
 Schrank, 1788, *Pomphorhynchus*
proteus (Westrumb, 1821) Porta, 1905
Microhabitat: -
Host: *Symphodus tinca*⁽⁵⁹⁾
Location: Aegean Sea⁽⁵⁹⁾
Record: Akmirza (2001)⁽⁵⁹⁾

PHYLUM ANNELIDA

SUBCLASS HIRUDINEA FAMILY PISCICOLIDAE

Branchellion torpedinis Savigny,
 1822

Synonym: -
Microhabitat: Head
Host: *Aetomylaeus bovinus*⁽²⁴⁸⁾
Location: Mediterranean Sea⁽²⁴⁸⁾
Record: Başusta *et al.* (2016)⁽²⁴⁸⁾

Pontobdella muricata Linnaeus,
 1758

Synonym: *Hirudo muricata*
 Linnaeus, 1758
Microhabitat: Dorsal fin base,
 ventral region, abdomen
Host: *Dasyatis pastinaca*⁽²⁴⁸⁾, *Raja*
sp.⁽²⁴⁹⁾, *Torpedo marmorata*⁽²⁵⁰⁾, *Raja*
clavata⁽²⁵⁰⁾⁽²⁵¹⁾⁽²⁵²⁾, *Dipturus*
oxyrinchus⁽²⁵³⁾
Location: Sea of Marmara⁽²⁴⁹⁾⁽²⁵⁰⁾,
Black Sea⁽²⁵¹⁾, Mediterranean
Sea⁽²⁴⁸⁾⁽²⁵²⁾⁽²⁵³⁾
Record: Başusta *et al.* (2016)⁽²⁴⁸⁾,
 Candan and Ergüven (1992)⁽²⁴⁹⁾,
 Sağlam *et al.* (2003)⁽²⁵⁰⁾, Öktener and
 Utevsky (2010)⁽²⁵¹⁾, Bulguroğlu *et al.*
 (2015)⁽²⁵²⁾, Yanar *et al.* (2019)⁽²⁵³⁾

Stibarobdella macrothela
 (Schmarda, 1861)

Synonym: *Pontobdella bimaculata*
 Oka, 1910, *P. macrothela* (Schmarda,
 1861), *P. tasmanica* Hickamn, 1942,
Stibarobdella bimaculata (Oka,
 1910), *Stibarobdella dispar* (Cordero,
 1937), *Stibarobdella tasmanica*
 (Hickman, 1942)

Microhabitat: -
Host: *Trachinus draco*⁽⁶⁷⁾
Location: Aegean Sea⁽⁶⁷⁾
Record: Akmirza (2004)⁽⁶⁷⁾

Stibarobdella moorei (Oka, 1910)

Synonym: *Pontobdella loricata*
 Harding, 1924, *Pontobdella moorei*
 Oka, 1910, *Stibarobdella loricata*
 (Harding, 1924)
Microhabitat: Dorsal and ventral
 parts of body
Host: *Raja miraletus*⁽²⁴⁸⁾, *Raja*
clavata⁽²⁵⁴⁾, *Squatina squatina*⁽²⁵⁴⁾
Location: Mediterranean Sea⁽²⁴⁸⁾⁽²⁵⁴⁾
Record: Başusta *et al.* (2016)⁽²⁴⁸⁾,
 Bulguroğlu *et al.* (2015)⁽²⁵⁴⁾

Trachelobdella lubrica (Grube,
 1840)

Synonym: *Pontobdella lubrica*
 Grube, 1840, *Trachelobdella kolleri*
 (Diesing, 1850), *T. luederitzi*
 (Augener, 1936), *T. muelleri* (Diesing,
 1850)
Microhabitat: Fins, gills
Host: *Sciaena umbra*⁽⁸⁰⁾, *Scorpaena*
scrofa⁽²⁵⁰⁾, *Labrus bergylta*⁽²⁵¹⁾,
Epinephelus aeneus⁽²⁵¹⁾, *Diplodus*
vulgaris⁽²⁵¹⁾, *Scorpaena porcus*⁽²⁵⁰⁾⁽²⁵⁵⁾
Location: Aegean Sea⁽⁸⁰⁾⁽²⁵¹⁾, Sea of
Marmara⁽²⁵⁰⁾⁽²⁵¹⁾⁽²⁵⁵⁾
Record: Akmirza (2014)⁽⁸⁰⁾, Sağlam
et al. (2003)⁽²⁵⁰⁾, Öktener and Utevsky
 (2010)⁽²⁵¹⁾, Çelik and Aydın
 (2006)⁽²⁵⁵⁾

PHYLUM MOLLUSCA

CLASS BIVALVIA ORDER UNIONIDA FAMILY UNIONIDAE

Glochidia larvae

Synonym: -
Microhabitat: Gills
Host: *Mugil cephalus*⁽³⁹⁾
Location: Sea of Marmara, Gala
 Lake⁽³⁹⁾
Record: Soylu (2014)⁽³⁹⁾

WILD MARINE FISH HOST – PARASITE LIST

PHYLUM CHORDATA

CLASS ACTINOPTERYGII

FAMILY ANGUILLIDAE

Anguilla anguilla (Linnaeus, 1758) (European eel)

Synonym: *Angill angill* (Linnaeus, 1758) (misspelling), *Anguilla acutirostris* Risso, 1827, *A. aegyptiaca* Kaup, 1856, *A. altirostris* Kaup, 1856, *A. ancidda* Kaup, 1856, *A. anguilla oxycephala* De la Pylaie, 1835, *A. anguilla* var. *macrocephala* De la Pylaie, 1835, *Anguilla anguilla* var. *mucrocephala* De la Pylaie, 1835 (misspelling), *Anguilla anguilla* var. *ornithorhyncha* De la Pylaie, 1835 (misspelling), *Anguilla anguillai* (Linnaeus, 1758) (misspelling), *Anguilla anguillia* (Linnaeus, 1758) (misspelling), *A. bibroni* Kaup, 1856, *A. brevirostris* Cisternas, 1877, *A. callensis* Guichenot, 1850, *A. canariensis* Valenciennes, 1843, *A. capitone* Kaup, 1856, *A. cloacina* Bonaparte, 1846, *A. cuvieri* Kaup, 1856, *A. eurystoma* Heckel & Kner, 1858, *A. fluviatilis* Heckel & Kner, 1858, *A. fluviatilis* Ansljñ, 1828, *A. fluviatilis* Gistel, 1848, *A. hibernica* Couch, 1865, *A. kieneri* Kaup, 1856, *A. latirostris* Risso, 1827, *A. linnei* Malm, 1877, *A. marginata* Kaup, 1856, *A. marina* (Nardo, 1847), *A. mediorostris* Risso, 1827, *A. melanoichir* Kaup, 1856, *A. microptera* Kaup, 1856, *A. migratoria* Krøyer, 1846, *A. morena* Kaup, 1856, *A. nilotica* Heckel, 1846, *A. nilotica* Kaup, 1857, *A. oblongirostris* Blanchard, 1866, *A. platycephala* Kaup, 1856, *A. platyrhynchus* Costa, 1850, *A. savignyi* Kaup, 1856, *A. septembrina* Bonaparte, 1846, *A. vulgaris* Shaw, 1803, *A. vulgaris* Rafinesque, 1810, *A. vulgaris fluviatilis* Rafinesque, 1810, *A. vulgaris lacustus* Rafinesque, 1810, *A. vulgaris macrocephala* De la Pylaie,

1835, *A. vulgaris marina* Rafinesque, 1810, *A. vulgaris ornithorhyncha* De la Pylaie, 1835, *A. vulgaris platyura* De la Pylaie, 1835, *Leptocephalus brevirostris* Kaup, 1856, *Muraena anguilla* Linnaeus, 1758, *M. anguilla maculata* Chiereghini, 1872, *M. anguilla marina* Nardo, 1847, *M. oxyrhina* Ekström, 1831, *M. platyrhina* Ekström, 1831

MONOGENEA

Gyrodactylus anguillae Ergens, 1960⁽⁴⁹⁾
Pseudodactylogyrus anguillae (Yin & Sproston, 1948) Gusev, 1965⁽⁵³⁾⁽⁵⁴⁾

TREMATODA

Bucephalus anguillae Spakulova, Macko, Berrilli & Dezfuli, 2002⁽⁵³⁾
Bucephalus polymorphus von Baer, 1827⁽⁴⁹⁾⁽⁷⁸⁾
Deroprists inflata (Molin, 1859) Odhner, 1902⁽⁴⁹⁾⁽⁸³⁾⁽⁸⁴⁾
Digenea gen. sp.⁽⁵³⁾
Lecithochirium rufoviride (Rudolphi, 1819) Lühe, 1901⁽⁴⁹⁾
Nicolla gallica (Dollfus, 1941) Dollfus, 1959⁽⁴⁹⁾
Skrjabiniella aculeata (Odhner, 1905) Issaitschikow, 1928⁽⁴⁹⁾

CESTODA

Bothriocephalus claviceps (Goeze, 1782) Rudolphi, 1810⁽⁷⁸⁾
Proteocephalus macrocephalus (Creplin, 1825)⁽⁴⁹⁾⁽⁸³⁾⁽⁸⁴⁾
Tetraphyllidea (larvae)⁽⁵³⁾

NEMATODA

Anguillicola crassus Kuwahara, Niimi & Itagaki, 1974⁽⁵³⁾⁽¹¹¹⁾
Rhabdochona sp.⁽⁸³⁾⁽⁸⁴⁾

COPEPODA

Ergasilus gibbus Nordmann, 1832⁽⁵³⁾⁽⁵⁴⁾⁽⁸³⁾⁽⁸⁴⁾
Ergasilus lizae Kroyer 1863⁽⁵³⁾⁽⁵⁴⁾

ACANTHOCEPHALA

Acanthocephalus clavula (Dujardin, 1845) Grabda-Kazubska & Chubb, 1968⁽⁴⁹⁾⁽⁵³⁾

FAMILY APOGONIDAE

Apogon imberbis (Linnaeus, 1758) (Cardinal fish)

Synonym: *Amia imberbe* (Linnaeus, 1758), *Amia imberbis* (Linnaeus, 1758), *Apogon inermis* (Linnaeus, 1758), *Apogon rexmullorum* Cuvier, 1828, *Centropomus rubens* Spinola, 1807, *Mullus imberbis* Linnaeus, 1758

ISOPODA

Anilocra sp.⁽¹⁹⁸⁾

FAMILY ARGENTINIDAE

Argentina sphyraena Linnaeus, 1758 (Argentine)

Synonym: *Argentina cuvieri* Valenciennes, 1848, *A. hebridica* (Yarrell, 1839), *A. silus junior* Risberg, 1835, *A. yarrelli* Valenciennes, 1848, *Goniosoma argentinum* Costa, 1844, *Osmerus hebridicus* Yarrell, 1839

ISOPODA

Elthusa sinuata (Koelbel, 1879)⁽²⁰⁰⁾

FAMILY ATHERINIDAE

Atherina boyeri Risso, 1810 (Big-scale sand smelt)

Synonym: *Atherina anterina* Nardo, 1847, *A. boïeri* Risso, 1810, *A. bonapartii* Boulenger, 1907, *A. boyeri caspia* Eichwald, 1831, *A. caspia* Eichwald, 1831, *A. hyalosoma* Cocco, 1885, *A. lacustris* Bonaparte, 1836, *A. lagunae* Trabelsi, Faure, Quignard, Boussaid, Focant & Maamouri, 2002, *A. mochon* Cuvier, 1829, *A. mochon aegyptia* Boulenger, 1907, *A. mochon pontica* Eichwald, 1831, *A. mochon riqueti* Roule, 1902, *A. pontica* Eichwald, 1831, *A. presbyter caspia* Eichwald, 1831, *A. presbyter pontica* Eichwald, 1831, *A. riqueti* Roule,

1902, *A. risso* Valenciennes, 1835, *A. rissoi* Günther, 1861, *A. sarda* Valenciennes, 1835, *A. sardinella* Fowler, 1903, *Hepsetia boyeri* (Risso, 1810), *H. mochon* (Cuvier, 1829)

COPEPODA

Ergasilus sp.⁽³⁾⁽⁴⁾

ISOPODA

Mothocya epimerica Costa, 1851⁽¹⁹⁶⁾⁽²⁰⁹⁾⁽²¹⁰⁾

Atherina hepsetus L., 1758 (Mediterranean sand smelt)

Synonym: *Atherina athaerina* Nardo, 1827

MYXOZOA

Ceratomyxa sp.⁽²²⁸⁾
Kudoa anatolica Özer, Okay, Gürkanlı, Yılmaz, Yurakhno, 2018⁽²²¹⁾⁽²³⁴⁾⁽²³⁵⁾

FAMILY BELONIDAE

Belone belone (L., 1760) (Garfish)

Synonym: *Belone acus* Risso, 1827, *B. bellone* (Linnaeus, 1760), *B. belone belone* (Linnaeus, 1761), *B. belone euxini* Günther, 1866, *B. belone gracilis* Lowe, 1839, *B. cornidii* Günther, 1866, *B. gracilis* Lowe, 1839, *B. linnei* Malm, 1877, *B. longirostris* Schinz, 1822, *B. rostrata* Faber, 1829, *B. undecimradiata* Budge, 1848, *B. vulgaris* Valenciennes, 1846, *B. vulgaris* Fleming, 1828, *Esox belone* Linnaeus, 1760, *Hemiramphus balticus* Hohnbaum-Hornschuch, 1843, *H. behnii* van der Hoeven, 1843, *H. europaeus* Yarrell, 1837, *H. obtusus* Couch, 1848, *Macrognathus scolopax* Gronow, 1854

CILIOPHORA

Trichodina sp.⁽²⁶⁾

MONOGENEA

Axine belones Abildgaard,
1794⁽²⁶⁾⁽⁵⁶⁾⁽⁵⁷⁾

TREMATODA
Lecithostaphylus retroflexus
(Molin, 1859) Odhner,
1911⁽⁵⁷⁾⁽⁸⁶⁾⁽⁹⁰⁾

CESTODA
Diphyllobothrium sp.⁽²⁶⁾

NEMATODA
Hysterothylacium aduncum
(Rudolphi, 1802)⁽²⁶⁾⁽⁵⁷⁾⁽¹¹²⁾

COPEPODA
Bomolochus bellones
Burmeister, 1833⁽¹⁴⁷⁾
Caligus adanensis Özak,
Sakarya & Boxshall 2019⁽¹⁵³⁾

ISOPODA
Anilocra physodes (Linnaeus,
1758)⁽²⁰⁰⁾
Mothocya belonae Bruce,
1986⁽¹⁹⁶⁾
Nerocila bivittata (Risso,
1816)⁽¹⁶²⁾

MYXOZOA
Ceratomyxa beloneae Lubat,
Radujkovic, Marques & Bouix,
1989⁽²⁶⁾⁽²²¹⁾
Sigmomyxa sphaerica
(Thélohan, 1895)⁽²⁶⁾⁽²²¹⁾

FAMILY BLENNIIDAE

Parablennius sanguinolentus
(Pallas, 1814)
(Rusty blenny)

Synonym: *Blennius palmicornis*
Valenciennes, 1836, *Parablennius*
sanguinolentus (Pallas, 1814),
Blennius sanguinolentus Pallas, 1814,
Blennius pholis (non Linnaeus, 1758)
(misapplied)

TREMATODA
Bucephalus marinus Vlasenko,
1931⁽⁷⁷⁾
Galactosomum lacteum
(Jägerskiöld, 1896)⁽⁷⁷⁾
Magnibursatus blennii (Paggi
and Orecchia, 1975)⁽⁷⁷⁾

Monorchis monorchis
(Stossich, 1890) Monticelli,
1893⁽⁷⁷⁾
Opecoelidae gen. sp.⁽⁷⁷⁾
Peracreadium genu (Rudolphi,
1819) Nicoll, 1909⁽⁷⁷⁾
Phyllodistomum acceptum
Looss, 1909⁽⁷⁷⁾
Prosorhynchus sp.⁽⁷⁷⁾
Rhipidocotyle sp.⁽⁷⁷⁾

ISOPODA
Nerocila bivittata (Risso,
1816)⁽¹⁶²⁾⁽²²⁰⁾
Nerocila orbignyi (Guérin-
Ménéville, 1832)⁽²¹³⁾

CNIDARIA
Myxobolus asymmetricus (Parisi,
1912) Landsberg & Lom,
1991⁽⁴⁶⁾⁽²²¹⁾⁽²²⁴⁾⁽²²⁵⁾
Ortholinea divergens Thélohan,
1895⁽⁴⁶⁾⁽²²¹⁾⁽²²⁴⁾⁽²²⁵⁾
Sphaeromyxa sevastopoli
Naidenova, 1970⁽⁴⁶⁾⁽²²¹⁾⁽²²⁴⁾⁽²²⁵⁾
(244)

Parablennius tentacularis
(Brünnich, 1768)
(Tentacled blenny)

Synonym: *Blennius tentacularis*
Brünnich, 1768

TREMATODA
Bucephalus marinus Vlasenko,
1931⁽⁷⁰⁾
Phyllodistomum acceptum
Looss, 1901⁽⁷⁰⁾

CNIDARIA
Myxidium parvum Yurakhno,
1991⁽⁴⁶⁾⁽²²¹⁾⁽²²⁴⁾
Henneguya sinova Özer, Özkan,
Gürkanlı, Yurakhno & Çiftçi,
2016⁽²²¹⁾⁽²³³⁾
Henneguya sp.⁽²²⁴⁾
Myxobolus asymmetricus (Parisi,
1912) Landsberg & Lom,
1991⁽⁴⁶⁾⁽²²¹⁾⁽²²⁴⁾⁽²²⁵⁾
Myxobolus sp.⁽²²⁵⁾

***Salaria pavo* (Risso, 1810)**
(Peacock blenny)

Synonym: *Blennius pavo* Risso, 1810, *Lipophrys pavo* (Risso, 1810)

CNIDARIA

Myxidium parvum Yurakhno, 1991⁽⁴⁶⁾⁽²²¹⁾⁽²²⁴⁾⁽²²⁵⁾

FAMILY CALLIONYMIDAE

***Callionymus filamentosus*
Valenciennes, 1837
(Blotchfin dragonet)**

Synonym: *Callionymus filentosus* Valenciennes, 1837, *Callionymus haifae* Fowler & Steinitz, 1956, *Callionymus stigmapteron* Smith, 1963, *Calliurichthys filamentosus* (Valenciennes, 1837)

COPEPODA

Lernanthropus callionymicola El-Rashidy & Boxshall, 2012⁽¹⁸⁶⁾

FAMILY CARANGIDAE

***Lichia amia* (L., 1758)
(Leerfish)**

Synonym: *Caesiomorus amia* (Linnaeus, 1758), *Campogramma vadigo* (Lacepède, 1801), *Caranx amia* (Linnaeus, 1758), *Centronotus vadigo* Lacepède, 1801, *Hypacantus amia* (Linnaeus, 1758), *Hypachantus amia* (Linnaeus, 1758), *Porthmeus argenteus* Valenciennes, 1833, *Scomber amia* Linnaeus, 1758, *Scomber flexuosus* Lichtenstein, 1823

MONOGENEA

Zeuxapta seriola (Meserve, 1938) Price, 1962⁽⁴⁰⁾

TREMATODA

Bucephalus margaritae Ozaki & Ishibashi, 1934⁽⁷⁴⁾

COPEPODA

Caligus lichiae Brian, 1906⁽¹⁵⁷⁾
Lepeophtheirus lichiae Barnard, 1948⁽¹⁷⁷⁾

***Seriola dumerili* (Risso, 1810)**

(Greater amberjack)

Synonym: *Caranx dumerili* Risso, 1810, *Micropteryx dumerili* (Risso, 1810), *Regificola parilis* Whitley, 1948, *Seriola boscii* Valenciennes, 1833, *Seriola dumerilii* (Risso, 1810), *Seriola gigas* Poey, 1860, *Seriola purpurascens* Temminck & Schlegel, 1845, *Seriola purpurescens* Temminck & Schlegel, 1845, *S. rhombica* Smith, 1959, *S. simplex* Ramsay & Ogilby, 1886, *S. tapeinometapon* Bleeker, 1853, *Seriola tapeinometapon* Bleeker, 1853, *Trachurus aliciolus* Rafinesque, 1810, *Trachurus fasciatus* Rafinesque, 1810

MONOGENEA

Zeuxapta seriola (Meserve, 1938) Price, 1962⁽⁶³⁾

COPEPODA

Caligus lichiae Brian, 1906⁽¹⁵⁷⁾

***Trachinotus ovatus* (Linnaeus, 1758)
(Pompano)**

Synonym: *Caesiomorus glauca* (Linnaeus, 1758), *Caesiomorus glaucus* (Linnaeus, 1758), *Caranx glaucus* (Linnaeus, 1758), *Centronotus binotatus* Rafinesque, 1810, *Centronotus ovalis* Lacepède, 1801, *Gasterosteus ovatus* Linnaeus, 1758, *Glaucus rondeletii* Bleeker, 1863, *Lichia glauca* (Linnaeus, 1758), *Lichia glaucus* (Linnaeus, 1758), *Lichia tetracantha* Bowdich, 1825, *Scomber glaucus* Linnaeus, 1758, *Trachinotus glaucus* (Linnaeus, 1758), *Trachinotus madeirensis* Borodin, 1934, *Trachynotus glaucus* (Linnaeus, 1758), *Trachynotus ovatus* (Linnaeus, 1758) (misspelling)

MONOGENEA

Pyragraphorus pyragraphorus (MacCallum & MacCallum, 1913) Sproston, 1946⁽⁵⁶⁾

***Trachurus mediterraneus*
(Steindachner, 1868)
(Mediterranean horse mackerel)**

Synonym: *Caranx trachurus mediterraneus* Steindachner, 1868, *Trachurus mediterraneus mediterraneus* (Steindachner, 1868), *Suareus furnestini* Dardignac & Vincent, 1958, *Trachurus mediterraneus ponticus* Aleev, 1956

MONOGENEA

Microcotyle erythrini Van Beneden & Hesse, 1863⁽⁵⁹⁾
Pseudaxine trachuri Parona & Perugia, 1899⁽⁵⁹⁾⁽⁶²⁾

TREMATODA

Ectenurus lepidus Looss, 1907⁽⁵⁹⁾⁽⁶²⁾
Monascus filiformis (Rudolphi, 1819) Looss, 1907⁽⁵⁹⁾⁽⁶²⁾
Opechona bacillaris (Molin 1859) Looss, 1907⁽⁵⁹⁾⁽⁶²⁾
Opechona pyriformis (Linton, 1900) Bray & Gibson, 1990⁽⁵⁹⁾⁽⁶²⁾
Stephanostomum cesticillius (Molin, 1858) Looss, 1899⁽⁷⁰⁾
Tergestia laticollis (Rudolphi, 1819) Stossich, 1899⁽⁵⁹⁾⁽⁶²⁾⁽⁷⁴⁾

CESTODA

Scolex pleuronectis Müller, 1788⁽⁵⁹⁾⁽⁶²⁾⁽⁹⁸⁾

NEMATODA

Anisakis pegreffii Campana-Rouget & Biocca, 1955⁽¹¹²⁾
Anisakis simplex (Rudolphi, 1809)⁽⁵⁹⁾⁽⁶²⁾⁽¹¹⁵⁾⁽¹¹⁶⁾
Anisakis Type I⁽¹²¹⁾
Hysterothylacium aduncum (Rudolphi, 1802)⁽⁵⁹⁾⁽⁶²⁾⁽¹¹²⁾⁽¹⁴³⁾
Hysterothylacium fabri (Rudolphi, 1819) Deardorff & Overstreet, 1980⁽¹¹⁵⁾
Philometra globiceps (Rudolphi, 1819)⁽¹¹²⁾

COPEPODA

Lernaea sp.⁽⁶²⁾
Lernanthropinus caranxi (Hesse, 1878)⁽¹⁴⁹⁾⁽¹⁸⁵⁾

ISOPODA

Ceratothoa oestroides (Risso, 1816)⁽⁵⁹⁾⁽⁶²⁾
Gnathia sp.⁽²¹⁸⁾

***Trachurus trachurus* (L., 1758)
(Atlantic horse mackerel)**

Synonym: *Caranx trachurus* (Linnaeus, 1758), *Scomber trachurus* Linnaeus, 1758, *Trachurus europaeus* Gronow, 1854, *T. saurus* Rafinesque, 1810, *T. vulgaris* Fleming, 1828, *Trachurus capensis* (non Castelnau, 1861)

TREMATODA

Ectenurus lepidus Looss, 1907⁽⁵²⁾⁽⁷³⁾⁽⁸⁶⁾
Lasiotocus typicum (Nicoll, 1912) Bartoli & Bray, 2004⁽⁷³⁾
Monascus filiformis (Rudolphi, 1819) Looss, 1907⁽³³⁾⁽⁵²⁾⁽⁷²⁾⁽⁷³⁾⁽⁸⁶⁾⁽⁸⁷⁾
Opechona bacillaris (Molin, 1859) Looss, 1907⁽⁵²⁾
Opechona pyriformis (Linton, 1900) Bray & Gibson, 1990⁽⁵²⁾⁽⁸⁷⁾
Prodistomum polonii (Molin, 1859) Bray & Gibson, 1990⁽⁷³⁾⁽⁸⁶⁾⁽⁹⁶⁾
Stephanostomum cesticillius (Molin, 1858) Looss, 1899⁽⁷³⁾
Tergestia laticollis (Rudolphi, 1819) Stossich, 1899⁽⁵²⁾

CESTODA

Scolex pleuronectis Müller, 1788⁽⁵²⁾⁽¹⁰⁸⁾⁽¹⁰⁹⁾

NEMATODA

Anisakis simplex (Rudolphi, 1809)⁽⁵²⁾⁽¹¹⁵⁾⁽¹¹⁶⁾⁽¹¹⁸⁾⁽¹¹⁹⁾
Anisakis pegreffii Campana-Rouget & Biocca, 1955⁽¹¹³⁾
Hysterothylacium aduncum (Rudolphi, 1802)⁽³³⁾⁽⁵²⁾⁽⁸⁶⁾⁽⁸⁷⁾⁽¹¹⁵⁾⁽¹¹⁸⁾⁽¹¹⁹⁾⁽¹²⁰⁾⁽¹³³⁾⁽¹³⁷⁾

COPEPODA

Lernaea sp.⁽⁵²⁾⁽⁸⁷⁾

ISOPODA

Anilocra physodes (Linnaeus, 1758)⁽¹⁷⁶⁾

Ceratothoa oestroides (Risso, 1816)⁽²⁰⁴⁾

ACANTHOCEPHALA

Longicollum pagrosomi
Yamaguti, 1935⁽³³⁾⁽²⁴⁷⁾

***Trachurus* sp.**

Synonym: -

NEMATODA

Hysterothylacium sp.⁽¹⁴⁶⁾

FAMILY CENTRACANTHIDAE

***Spicara maena* (Linnaeus, 1758)
(Blotched picarel)**

Synonym: *Maena chryselis* (Valenciennes, 1830), *Maena jusculum* Cuvier, 1829, *Maena maena* (Linnaeus, 1758), *Maena osbechii* Valenciennes, 1830 (misspelling), *Maena osbeckii* Valenciennes, 1830, *Maena vomerina* Valenciennes, 1830, *Maena vulgaris* Valenciennes, 1830, *Merolepis chryselis* (Valenciennes, 1830), *Merolepis maena* (Linnaeus, 1758), *Smaris cagarella* Cuvier, 1829, *Smaris chryselis* Valenciennes, 1830, *Smaris gagarella* Valenciennes, 1830, *Smaris maena* (Linnaeus, 1758), *Sparus maena* Linnaeus, 1758, *Sparus osbeck* Lacepède, 1802, *Sparus tricuspidatus* Spinola, 1807, *Sparus zebra* Brünnich, 1768, *Spicara chryselis* (Valenciennes, 1830), *Spicara flexuosa* Rafinesque, 1810, *Spicara maena flexuosa* Rafinesque, 1810, *Spicara maena maena* (Linnaeus, 1758)

MONOGENEA

Bivagina alcedinis (Parona & Perugia, 1889) Yamaguti, 1963⁽⁴⁰⁾
Cyclocotyla bellones Otto, 1823⁽⁶¹⁾

TREMATODA

Bacciger israelensis Fischthal, 1980⁽⁷⁴⁾

Steringotrema pagelli (van Beneden, 1871) Odhner, 1911⁽⁷⁴⁾

CESTODA

Scolex pleuronectis Müller, 1788⁽¹⁰⁸⁾⁽¹⁰⁹⁾

ISOPODA

Anilocra frontalis H. Milne Edwards, 1840⁽¹⁹⁹⁾
Anilocra physodes (Linnaeus, 1758)⁽⁴⁸⁾
Ceratothoa italica Sechioedte & Meinert, 1883⁽¹⁹⁶⁾
Ceratothoa oestroides (Risso, 1816)⁽⁶¹⁾
Ceratothoa parallela (Otto, 1828)⁽²⁰³⁾
Emetha audouini (H. Milne Edwards, 1840)⁽⁶¹⁾⁽¹⁹⁶⁾⁽²⁰²⁾⁽²⁰⁷⁾

***Spicara smaris* (Linnaeus, 1758)
(Picarel)**

Synonym: *Maena smaris* (Linnaeus, 1758), *Smaris alcedo* (Risso, 1810), *S. gracilis* Bonaparte, 1836, *S. maurii* Bonaparte, 1836, *S. smaris* (Linnaeus, 1758), *S. vulgaris* Valenciennes, 1830, *Sparus alcedo* Risso, 1810, *Sparus smaris* Linnaeus, 1758, *Spicara alcedo* (Risso, 1810)

TREMATODA

Lepocreadium album (Stossich, 1890) Stossich, 1904⁽⁵⁹⁾

CESTODA

Scolex pleuronectis Müller, 1788⁽⁵⁹⁾⁽¹⁰⁴⁾

NEMATODA

Hysterothylacium aduncum (Rudolphi, 1802)⁽⁹⁹⁾⁽¹¹²⁾⁽¹³²⁾
Hysterothylacium fabri (Rudolphi, 1819) Deardorff & Overstreet, 1980⁽⁵⁹⁾

ISOPODA

Anilocra physodes (Linnaeus, 1758)⁽⁵⁹⁾⁽²⁰¹⁾⁽²⁰³⁾⁽²⁰⁴⁾
Ceratothoa capri (Trilles, 1964)⁽²⁰³⁾
Ceratothoa oestroides (Risso, 1816)⁽⁵⁹⁾
Ceratothoa parallela (Otto, 1828)⁽²⁰³⁾

Ceratothoa sp.⁽⁵⁹⁾
Emetha audouini (Milne &
Edwards, 1840)⁽⁶¹⁾⁽²⁰²⁾

FAMILY
CHLOROPHTHALMIDAE

Chlorophthalmus agassizi
Bonaparte, 1840
(Shortnose greeneye)

Synonym: *Aulopus agassizi*
(Bonaparte, 1840), *Chlorophthalmus*
agassizii Bonaparte, 1840
(misspelling), *Chlorophthalmus*
agassizi
Bonaparte, 1840 (misspelling),
Chlorophthalmus productus Günther,
1887, *Pelopsia candida* Facciola,
1883

ISOPODA

Ceratothoa steindachneri
Koelbel, 1879⁽¹⁶⁹⁾

FAMILY CLUPEIDAE

***Alosa agone* (Scopoli, 1786)**
(Agone)

Synonym: *Alosa fallax nilotica*
(Geoffroy Saint-Hilaire, 1809), *Alosa*
fallax lacustris Fatio, 1890, *Alosa*
finta (Cuvier, 1829), *Alosa finta*
gracilis
Regan, 1916, *Alosa finta lacustris*
Fatio, 1890, *Alosa lacustris*
benacensis Barbieri, 1907, *Alosa*
lacustris benacensis Barbieri, 1907,
Alosa lacustris ceresioverbana
Barbieri, 1907,
Alosa lacustris lariana Barbieri, 1907,
Alosa nilotica Geoffroy Saint-Hilaire,
1809, *Clupea alosa major* Pollini,
1816, *Clupea alosa minor* Pollini,
1816, *Clupea alosa parvula* Pollini,
1816, *Cyprinus agone* Scopoli, 1786

NEMATODA

Hysterothylacium aduncum
(Rudolphi, 1802)⁽¹³⁶⁾

***Alosa fallax* (Lacepède, 1803)**
(Twaite shad)

Synonym: *Alosa africana* Regan,
1916, *Alosa fallax balticus* Kukuev &
Orlov, 2018, *A. fallax fallax*
(Lacepède, 1803), *A. fallax*
rhodanensis Roule, 1924, *A. ficta*
Duhamel du Monceau, 1772, *A. finta*
killarnensis Regan, 1916, *A. finta*
rhodanensis Roule, 1924, *A. minor*
Bonaparte, 1846, *A. squamopinnata*
Couch, 1865, *Clupea alosa elongata*
De la Pylaie, 1835, *C. fallax*
Lacepède, 1803, *C. finta* Cuvier,
1829, *C. nilotica* Geoffroy Saint-
Hilaire, 1809, *C. rufa* Lacepède, 1803,
C. sardinella Vallot, 1837

MONOGENEA

Mazocraes alosae Herman,
1782⁽⁴⁰⁾

TREMATODA

Pronoprymna ventricosa
(Rudolphi, 1819) Poche, 1926⁽⁸⁵⁾
Digenea gen. sp.⁽³⁹⁾

NEMATODA

Anisakis simplex (Rudolphi,
1809)⁽¹¹⁵⁾
Hysterothylacium fabri
(Rudolphi, 1819) Deardorff &
Overstreet, 1980⁽¹¹⁵⁾

CRUSTACEA

Ergasilus lizae Kroyer 1863⁽³⁹⁾

ISOPODA

Livoneca punctata (Uljanin,
1872)⁽¹⁹⁶⁾
Mothocya taurica (Czerniavsky,
1868)⁽²⁰⁸⁾

***Alosa immaculata* Bennett, 1835**
(Pontic shad)

Synonym: *Alosa kessleri pontica*
(Eichwald, 1838), *A. kessleri pontica*
natio borysthenis Pavlov, 1959, *A.*
kessleri pontica natio issatschenkovi
Pavlov, 1959, *A. kessleri pontica*
natio moriaac Pavlov, 1959, *A.*
pontica (Eichwald, 1838), *A. pontica*
danubii Antipa, 1904, *A. pontica*
moriaac Antipa, 1909, *A. pontica*

nigrescens Antipa, 1904, *A. pontica pontica* (Eichwald, 1838), *A. pontica russac* Antipa, 1904, *A. pontica var. moriac* Antipa, 1909, *Caspialosa kessleri pontica* (Eichwald, 1838), *C. pontica* (Eichwald, 1838), *C. pontica chtamalocephala* Isachenko, 1925, *C. pontica hypselocephala* Isachenko, 1925, *Clupea eichwaldi* Grimm, 1901 (misspelling), *Clupea eichwaldii* Grimm, 1901, *Clupea pontica* Eichwald, 1838

MONOGENEA

Mazocraes alosae Herman, 1972⁽⁶⁶⁾

TREMATODA

Pronoprymna ventricosa (Rudolphi, 1891) Poche, 1926⁽⁶⁶⁾
Lecithaster confusus Odhner, 1905⁽⁶⁶⁾

NEMATODA

Hysterothylacium aduncum (Rudolphi, 1802)⁽⁹⁹⁾⁽¹³⁷⁾⁽¹⁴⁰⁾

ISOPODA

Livoneca punctata (Uljanin, 1872)⁽⁹⁹⁾⁽¹⁴⁰⁾⁽¹⁶²⁾

MYXOZOA

Ortholinea orientalis (Shulman et Shulman-Albova, 1953)⁽²²⁸⁾

***Alosa tanaica* (Grimm, 1901) (Black Sea shad)**

Synonym: *Alosa bulgarica* Drensky, 1934, *Alosa caspia nordmanni* Antipa, 1904, *Alosa caspia tanaica* (Grimm, 1901), *Alosa caspia tanaica natio asovi* Pavlov, 1959, *Alosa nordmanni* Antipa, 1904, *Caspialosa caspia palaeostomi* Sadowsky, 1934, *Caspialosa caspia tanaica* (Grimm, 1901), *Caspialosa palaeostomica* Sadowsky, 1934 (misspelling), *Caspialosa tanaica etemi* Battalgil, 1941, *Caspiolosa tanaica etemi* Battalgil, 1941, *Clupea tanaica* Grimm, 1901

MYXOZOA

Ortholinea orientalis (Shulman et Shulman-Albova, 1953)⁽²²¹⁾⁽²²⁴⁾⁽²²⁵⁾⁽²⁴³⁾

***Alosa* sp.**

Synonym: -

ISOPODA

Mothocya taurica (Czerniavsky, 1868)⁽²⁰⁷⁾

***Caspialosa* sp.**

Synonym: -

NEMATODA

Hysterothylacium aduncum (Rudolphi, 1802)⁽¹¹²⁾

***Sardina pilchardus* (Walbaum, 1792) (European pilchard)**

Sinonom: *Alosa pilchardus* (Walbaum, 1792), *Arengus minor* Cornide, 1788, *Clupanodon sardina* Risso, 1827, *Clupea harengus pilchardus* Walbaum, 1792, *C. laticosta* Lowe, 1843, *C. pilchardus* Bloch, 1795, *C. pilchardus* Walbaum, 1792, *C. pilchardus Sardinia* (not given), *Clupea sardina* Cuvier, 1829, *C. sardina* Lowe, 1837 (misspelling), *Sardina dobrogica* Antipa, 1904, *S. pilchardus sardina* (Risso, 1827)

NEMATODA

Anisakis simplex (Rudolphi, 1809)⁽¹¹⁶⁾

COPEPODA

Caligus sp.⁽¹⁷²⁾

ISOPODA

Ceratothoa oestroides (Risso, 1816)⁽¹⁷⁶⁾⁽¹⁹⁶⁾⁽²⁰⁴⁾

***Sardinella aurita* Valenciennes, 1847 (Round sardinella)**

Synonym: *Alosa senegalensis* Bennett, 1831, *Clupanodon pseudohispanica* (Poey, 1860), *Clupea allecia* Rafinesque, 1810,

Clupea aurita Günther, 1868, *Clupea aurovittata* Swainson, 1838, *Clupea caeruleovittata* Richardson, 1846, *Clupea venulosa* Steinitz, 1927, *Meletta mediterranea* Valenciennes, 1847, *Sardinella anchovia* Valenciennes, 1847, *Sardinella aurita mediterranea* (Valenciennes, 1847), *Sardinella aurita terrasae* Lozano-Rey, 1950, *Sardinella euxina* Antipa, 1906, *Sardinella pinnula* Bean, 1912, *Sardinia pseudohispanica* Poey, 1860

NEMATODA

Hysterothylacium aduncum
(Rudolphi, 1802)⁽¹²⁰⁾

COPEPODA

Mitrapus oblongus (Pillai, 1964)⁽¹⁸⁸⁾

***Sprattus sprattus* (L., 1758) (European sprat)**

Synonym: *Clupanodon phalerica* Risso, 1827, *Clupea latulus* Cuvier, 1829, *C. papalina* Bonaparte, 1846, *C. schoneveldii* Krøyer, 1846, *C. sprattus* Linnaeus, 1758, *C. sprattus balticus* Schneider, 1908, *C. sulinae* Antipa, 1904, *Meletta vulgaris* Valenciennes, 1847, *Spratella pumila* Valenciennes, 1847, *S. serdinka* Nikolskii, 1923, *S. sprattus*, *S. sprattus baltica* (Schneider, 1908), *Sprattus sprattus balticus* (Schneider, 1908), *S. sprattus phalerica* (Risso, 1827), *S. sprattus phalericus* (Risso, 1827), *S. sprattus sprattus* (Linnaeus, 1758), *S. spratus* (Linnaeus, 1758)

NEMATODA

Dichelyne (Cucullanellus) minutus (Rudolphi, 1819)⁽¹²⁵⁾
Hysterothylacium aduncum
(Rudolphi, 1802)⁽¹²⁵⁾⁽¹³⁶⁾

FAMILY CONGRIDAE

***Conger conger* (L., 1788) (European conger)**

Synonym: *Anguilla conger* (Linnaeus, 1758), *A. obtusa* Swainson, 1839, *Conger communis* Costa, 1844, *Conger niger* (Risso, 1810), *C. rubescens* Ranzani, 1839, *C. verus* Risso, 1827, *C. vulgaris* Yarrell, 1832, *Leptocephalus candidissimus* Costa, 1832, *L. conger* (Linnaeus, 1758), *L. gussoni* Cocco, 1829, *L. inaequalis* Facciola, 1883, *L. lineatus* Bonnaterre, 1788, *L. morrisii* Gmelin, 1789, *L. pellucidus* (Couch, 1832), *L. spallanzani* Risso, 1810, *L. stenops* Kaup, 1856, *L. vitreus* Kolliker, 1853, *Muraena conger* Linnaeus, 1758, *M. nigra* Risso, 1810, *Ophidium pellucidum* Couch, 1832, *Ophisoma obtusa* (Swainson, 1839)

TREMATODA

Helicometra fasciata (Rudolphi, 1819) Odhner, 1902⁽⁵⁹⁾⁽⁷⁴⁾⁽⁷⁹⁾
Lecithochirium grandiporum (Rudolphi, 1819) Lühe, 1901⁽⁷⁴⁾⁽⁷⁹⁾
Proserhynchus crucibulum (Rudolphi, 1819) Odhner, 1905⁽⁷⁴⁾⁽⁷⁹⁾

NEMATODA

Anisakis simplex (Rudolphi, 1809)⁽⁷⁹⁾⁽¹¹⁵⁾
Cucullanus hians (Dujardin, 1845)⁽⁷⁹⁾⁽¹¹⁵⁾

CESTODA

Scolex pleuronectis Müller, 1788⁽⁷⁹⁾⁽⁹⁸⁾

COPEPODA

Hatschekia sp.⁽⁷⁹⁾

ISOPODA

Anilocra physodes (Linnaeus, 1758)⁽²⁰⁰⁾
Gnathia sp.⁽⁷⁹⁾

FAMILY CORYPHAENIDAE

***Coryphaena hippurus* Linnaeus, 1758 (Common dolphinfish)**

Synonym: *Corypaena hippurua* Linnaeus, 1758 (misspelling),

Coryphaena argyrurus Valenciennes, 1833, *Coryphaena chrysurus* Lacepède, 1801, *Coryphaena dolfyn* Valenciennes, 1833, *Coryphaena dorado* Valenciennes, 1833, *Coryphaena fasciolata* Pallas, 1770, *Coryphaena hipporus* Linnaeus, 1758 (misspelling), *Coryphaena hyppurus* Linnaeus, 1758 (misspelling), *Coryphaena immaculata* Agassiz, 1831, *Coryphaena imperialis* Rafinesque, 1810, *Coryphaena japonica* Temminck & Schlegel, 1845, *Coryphaena margravii* Valenciennes, 1833, *Coryphaena nortoniana* Lowe, 1839, *Coryphaena scomberoides* Valenciennes, 1833, *Coryphaena suerii* Valenciennes, 1833, *Coryphaena virgata* Valenciennes, 1833, *Coryphaena vlamingii* Valenciennes, 1833, *Lampugus siculus* Valenciennes, 1833, *Lepimphis hippuroides* Rafinesque, 1810, *Scomber pelagicus* Linnaeus, 1758

COPEPODA

Caligus bonito bonito Wilson C.B., 1905⁽¹⁵²⁾
Caligus quadratus Shiino, 1954⁽¹⁷³⁾
Peniculus fistula Nordmann, 1832⁽¹⁹⁰⁾

FAMILY ENGRAULIDAE

***Engraulis engrasicolus* (L., 1758) (European anchovy)**

Synonym: *Anchoa guineensis* (Rossignol & Blache, 1961), *Anchoviella guineensis* Rossignol & Blache, 1961, *Clupea encrasicolus* Linnaeus, 1758, *Engraulis amara* Risso, 1827, *E. agyrophanus*

Valenciennes, 1848, *E. encrasicolus* (Linnaeus, 1758) (misspelling), *E. encrasicolus* (Linnaeus, 1758) (misspelling), *E. engrasicolus* (Linnaeus, 1758) (misspelling), *E. encrasicolus ponticus* Aleksandrov, 1927, *E. encrasicolus ponticus* Alexandrov, 1927, *E. encrasicolus russoi* Dulzetto, 1947, *E. encrasicolus russoi* Dulzetto, 1947, *E. encrasicolus* (Linnaeus, 1758), *E. engrasicolus* (Linnaeus, 1758), *E. guineensis* (Rossignol & Blache, 1961), *E. meletta* Cuvier, 1829, *E. russoi* Dulzetto, 1947, *E. vulgaris* Nilsson, 1832, *Engraulus encrasicolus* (Linnaeus, 1758),

NEMATODA

Anisakis simplex (Rudolphi, 1809)⁽¹¹⁷⁾⁽¹¹⁸⁾
Hysterothylacium aduncum (Rudolphi, 1802)⁽¹¹²⁾⁽¹¹⁷⁾⁽¹¹⁸⁾⁽¹⁴³⁾
Hysterothylacium sp.⁽¹⁴⁶⁾⁽¹⁴⁵⁾

MYXOZOA

Ortholinea orientalis (Shulman et Shulman-Albova, 1953)⁽²²⁸⁾

FAMILY GADIDAE

***Merlangius merlangus* (L., 1758) (Whiting)**

Synonym: *Gadus euxinus* Nordmann, 1840, *G. merlangus* Linnaeus, 1758, *G. merlangus euxinus* Nordmann, 1840, *G. merlangus merlangus* Linnaeus, 1758, *Merlangius merlangius* (Linnaeus, 1758), *Merlangius merlangus euxinus* (Nordmann, 1840), *Merlangius merlangus merlangus* (Linnaeus, 1758), *Merlangus linnei* Malm, 1877, *Merlangus merlangus* (Linnaeus, 1758), *Merlangus merlangus euxinus* (Nordmann, 1840), *Merlangus vulgaris* Fleming, 1828, *Odontogadus merlangus* (Linnaeus, 1758), *O. merlangus euxinus* (Nordmann, 1840), *Odontogadus merlangus merlangus* (Linnaeus, 1758)

CILIOPHORA

Trichodina claviformis
 Dobberstein & Palm, 2000⁽⁶⁾⁽⁷⁾
Trichodina domerguei
 Wallengren, 1897⁽¹⁰⁾
Trichodina gobii Raabe,
 1959⁽¹⁵⁾⁽¹⁶⁾⁽¹⁷⁾
Trichodina puytoraci Lom,
 1962⁽⁶⁾⁽⁷⁾⁽²⁵⁾
Trichodina sp.⁽⁷⁾⁽²⁵⁾⁽²⁷⁾

MYZOOZOA

Eimeria merlangi Zaika,
 1966⁽¹⁰⁾⁽¹⁶⁾⁽¹⁷⁾
Eimeria sardinae (Thélohan,
 1890) Reichenow, 1921⁽¹⁷⁾⁽²⁹⁾

MONOGENEA

Gyrodactylus alviga Dmitrieva
 et Gerashev, 2000⁽¹⁰⁾⁽¹⁶⁾⁽¹⁷⁾⁽²⁵⁾⁽⁴⁸⁾
Gyrodactylus sp.⁽²⁷⁾

CESTODA

Grillotia erinaceus (Van
 Beneden, 1858) Guiart,
 1927⁽¹⁰⁾⁽¹⁶⁾⁽¹⁷⁾⁽⁷⁵⁾⁽⁹⁵⁾⁽¹⁰³⁾⁽¹⁰⁵⁾⁽¹¹¹⁾
Scolex pleuronectis Müller,
 1788⁽¹⁶⁾⁽¹⁷⁾⁽¹⁰⁴⁾

NEMATODA

Anisakis simplex (Rudolphi,
 1809)⁽¹¹⁶⁾
Cucullanus sp.⁽⁹⁵⁾
Dichelyne (*Cucullanellus*)
minutus (Rudolphi, 1819)⁽¹¹⁸⁾
Hysterothylacium aduncum
 (Rudolphi, 1802)⁽¹⁰⁾⁽¹⁶⁾⁽¹⁷⁾⁽²⁷⁾
⁽⁹⁹⁾⁽¹¹²⁾⁽¹²⁸⁾⁽¹²⁹⁾⁽¹³⁰⁾⁽¹³¹⁾⁽¹³²⁾⁽¹³³⁾
⁽¹³⁶⁾⁽¹⁴²⁾⁽¹⁴⁴⁾
Hysterothylacium sp.⁽¹⁴⁶⁾

MYXOZOA

Ceratomyxa merlangi Zaika,
 1966⁽¹⁰⁾⁽¹⁶⁾⁽¹⁷⁾⁽²²³⁾⁽²²⁵⁾⁽²²⁶⁾
Myxidium gadi Georgevitch,
 1916⁽¹⁰⁾⁽¹⁶⁾⁽¹⁷⁾⁽²²³⁾⁽²²⁴⁾⁽²²⁵⁾⁽²²⁶⁾

Micromesistius poutassou
(Risso, 1827)
(Blue whiting)

Synonym: *Boreogadus poutassou*
 (Risso, 1827), *Gadus melanostomus*
 Nilsson, 1855, *Gadus potassoa*
 (Risso, 1827) (misspelling), *Gadus*
poutassou (Risso, 1827), *Merlangius*
poutassou Risso, 1827 (misspelling),
Merlangus albus Yarrell, 1841,

Merlangus communis Costa, 1844,
Merlangus pertusis Cocco, 1829
 (misspelling), *Merlangus pertusus*
 Cocco, 1829, *Merlangus poutassou*
 Risso, 1827, *Merlangus vernalis*
 Risso, 1827, *Micromesistius*
poutassou (Risso, 1827) (misspelling)

NEMATODA

Anisakis Type I⁽¹²¹⁾

***Trisopterus minutus* (Linnaeus,
 1758)**
(Poor cod)

Synonym: *Brachygadus minutus*
 (Linnaeus, 1758), *Gadulus minutus*
 (Linnaeus, 1758), *Gadus minutus*
 Linnaeus, 1758, *Gadus tacaud*
 Lacepède, 1800, *Morua capelanus*
 Risso, 1827, *Trisopterus minutus*
minutus (Linnaeus, 1758)

ISOPODA

Mothocya taurica (Czerniavsky,
 1868)⁽²⁰⁰⁾

FAMILY GASTEROSTEIDAE

***Gasterosteus aculeatus* L., 1758**
(Three-spined stickleback)

Synonym: *Gasteracanthus*
cataphractus Pallas, 1814,
Gasterosteus algeriensis Sauvage,
 1874, *G. argentatissimus* Blanchard,
 1866, *G. argyropomus* Cuvier, 1829,
G. atkinsii Bean, 1879, *G. bailloni*
 Blanchard, 1866, *G. biaculeatus*
 Mitchill, 1815, *G. bispinosus*
 Walbaum, 1792, *G. brachycentrus*
 Cuvier, 1829, *G. cuvieri* Girard, 1850,
G. dimidiatus Reinhardt, 1837, *G.*
elegans Blanchard, 1866, *G.*
gymnurus Cuvier, 1829, *G. inopinatus*
 Girard, 1854, *G. insculptus*
 Richardson, 1855, *G. intermedius*
 Girard, 1856, *G. leiurus* Cuvier, 1829,
G. loricatus Reinhardt, 1837, *G.*
neoboracensis DeKay, 1842, *G.*
neustrianus Blanchard, 1866, *G. niger*
 Cuvier, 1829, *G. noveboracensis*

Cuvier, 1829, *G. obolarius* Cuvier, 1829, *G. plebeius* Girard, 1854, *G. pugetti* Girard, 1856, *G. semiarmatus* Cuvier, 1829, *G. semiloricatus* Cuvier, 1829, *G. serratus* Ayres, 1855, *G. suppositus* Sauvage, 1874, *G. teraculeatus* Lacepède, 1801, *G. tetracanthus* Cuvier, 1829, *G. texanus* Sauvage, 1874, *G. trachurus* Cuvier, 1829, *G. williamsoni* Girard, 1854, *Gastrosteus aculeatus* (Linnaeus, 1758)

CILIOPHORA

Trichodina domerquei
Wallengren, 1897⁽⁸⁾⁽¹⁸⁾
Trichodina tenuidens Faure-
Fremiet, 1944⁽⁸⁾⁽¹⁸⁾

MONOGENEA

Gyrodactylus arcuatus
Bychowsky, 1933⁽⁵⁰⁾

TREMATODA

Ascocotyle coleostoma (Looss, 1896) Looss, 1899⁽⁹³⁾

MYXOZOA

Myxobolatus gasterostei (Parisi, 1912)⁽²³²⁾
Sphaerospora elegans Thelohan, 1892⁽²³²⁾

FAMILY GOBIIDAE

***Gobius bucchichi* Steindachner, 1870
(Bucchich's goby)**

Synonym: *Gobius bucchichii* Steindachner, 1870 (misspelling), *Gobius lynx* Kessler, 1874, *Gobius serotinus* Sarato, 1891

ISOPODA

Anilocra sp.⁽¹⁹⁸⁾

***Gobius cobitis* Pallas, 1814
(Giant goby)**

Synonym: *Gobius algarbiensis* de Brito Capello, 1880, *G. exanthematosus gibbosus* Ninni, 1938, *G. guttatus* Valenciennes, 1837, *G. limbatus* Valenciennes, 1837, *G.*

spilogonurus Cocco, 1885, *Macrogobius cobitis* (Pallas, 1814)

TREMATODA

Helicometra fasciata (Rudolphi, 1819) Odhner, 1902⁽³³⁾⁽⁷²⁾

CESTODA

Scolex pleuronectis Müller, 1788⁽³³⁾

Tetraphyllidea (larvae)⁽³⁴⁾

ACANTHOCEPHALA

Acanthocephaloides propinquus (Dujard., 1845) Meyer, 1933⁽³³⁾

***Gobius niger* L., 1758
(Black goby)**

Synonym: *Gobius brittanicus*

Thompson, 1837, *G. fuliginosus* McCoy, 1841, *G. gorgione* Rafinesque, 1810, *G. jozo* Linnaeus, 1758, *G. jozo* Linnaeus, 1758, *G. jozo albescens* Canestrini, 1862, *G. jozo major* Kolombatovic, 1891, *G. jozo minor* Kolombatovic, 1891, *G. jozo nigrescens* Canestrini, 1862, *G. jozo pontica* Kessler, 1859, *G. longiradiatus* Risso, 1827, *G. niger hispanicus* de Buen, 1928, *G. niger jozo* Linnaeus, 1758, *G. niger nigerrimus* de Buen, 1928, *G. punctulatus* Cocco, 1884-85, *G. viridis* Otto, 1821

TREMATODA

Derogenes sp.⁽⁸¹⁾

Galactosomum lacteum (Jagerskiöld, 1896) Looss, 1899⁽⁸¹⁾

Helicometra fasciata (Rudolphi, 1819) Odhner, 1902⁽⁸¹⁾

CESTODA

Progrillotia dasyatidis Beveridge et Euzet, 2004⁽³⁴⁾⁽⁷⁵⁾⁽⁸¹⁾⁽¹⁰⁴⁾

Rhynchobothrium sp.⁽³³⁾

Scolex pleuronectis Müller, 1788⁽³³⁾⁽⁸¹⁾⁽¹⁰⁴⁾

Tetraphyllidea (larvae)⁽³⁴⁾

NEMATODA

Hysterothylacium aduncum (Rudolphi, 1802)⁽³³⁾⁽¹¹²⁾

ISOPODA

Nerocila acuminata Schiödte & Meinert, 1881⁽¹⁶²⁾

Nerocila bivittata (Risso, 1816)⁽¹⁶²⁾

MYXOZOA

Myxobolus sp.⁽²²⁴⁾⁽²²⁵⁾

Ortholinea sp.⁽²²⁸⁾

ACANTHOCEPHALA

Acanthocephaloides propinquus (Dujard., 1845) Meyer, 1933⁽³³⁾

***Gobius paganellus* Linnaeus, 1758 (Rock goby)**

Synonym: *Bathygobius paganellus* (Linnaeus, 1758), *Gobius albosignatus* Kessler, 1874, *Gobius bicolor* Gmelin, 1789, *Gobius capito* Valenciennes, 1837, *Gobius capitonellus* Kessler, 1874, *Gobius punctipinnis* Canestrini, 1862

NEMATODA

Hysterothylacium aduncum (Rudolphi, 1802)⁽¹³⁷⁾

MYXOZOA

Myxobolus sp.⁽²²⁴⁾⁽²²⁵⁾

***Mesogobius batrachocephalus* (Pallas, 1814) (Knout goby)**

Synonym: *Gobius batrachocephalus* Pallas, 1814, *Neogobius batrachocephalus* (Pallas, 1814)

TREMATODA

Derogenes sp.⁽⁸¹⁾

Helicometra fasciata (Rudolphi, 1819) Odhner, 1902⁽⁸¹⁾

Lecithochirium musculus (Looss, 1907) Nasir & Diaz, 1971⁽⁹²⁾

Magnibursatus skrjabini (Vlasenko, 1931) Naidenova, 1969⁽⁸¹⁾

CESTODA

Progrillotia dasyatidis Beveridge et Euzet, 2004⁽⁸¹⁾⁽¹⁰⁴⁾

Scolex pleuronectis Müller, 1788⁽⁸¹⁾⁽¹⁰⁴⁾

ISOPODA

Nerocila bivittata (Risso, 1816)⁽²¹³⁾

MYXOZOA

Fabespora nana Naidenova & Zaika, 1969⁽²²⁸⁾

Sphaeromyxa sevastopoli Naidenova, 1970⁽²²⁸⁾⁽²⁴⁴⁾

***Neogobius fluviatilis* (Pallas, 1814) (Monkey goby)**

Synonym: *Apollonia fluviatilis* (Pallas, 1814) *Gobius fluviatilis nigra* Kessler, 1859, *Gobius sordidus* Bennett, 1835, *Gobius steveni* Nordmann, 1840, *Gobius stevenii* Nordmann, 1840, *Neogobius fluviatilis fluviatilis* (Pallas, 1814)

CILIOPHORA

Trichodina domerguei

Wallengren, 1897⁽¹¹⁾⁽¹⁸⁾

Trichodina heterodentata

Duncan, 1977⁽¹¹⁾⁽¹⁸⁾

Paratrachodina corlissi Lom et

Haldar, 1977⁽¹¹⁾⁽¹⁸⁾

MONOGENEA

Gyrodactylus proterorhini

Ergens, 1967⁽³⁷⁾⁽⁵²⁾

TREMATODA

Apatemon gracilis (Rudolphi,

1819) Szidat, 1928⁽⁵²⁾

Ascocotyle sp.⁽⁵²⁾

Diplostomum spathaceum

(Rudolphi, 1819) Olsson,

1876⁽⁵²⁾

Echinostoma sp.⁽⁵²⁾

Tylodelphys clavata (von

Nordmann, 1832) Diesing,

1850⁽⁵²⁾

CESTODA

Bothriocephalus acheilognathi

Yamaguti, 1934⁽⁵²⁾⁽⁴³⁷⁾

NEMATODA

Spiroxys contortus (Rudolphi, 1819)⁽⁵²⁾

Eustrongylides excisus

Jägerskiöld, 1909⁽⁵²⁾

***Neogobius melanostomus* (Pallas, 1814) (Round goby)**

Synonym: *Apollonia melanostoma* (Pallas, 1814), *Gobius affinis* Eichwald, 1831, *G. cephalarges* Pallas, 1814, *G. chilo* Pallas, 1814, *G. exanthematosus* Pallas, 1814, *G. grossholzii* Steindachner, 1894, *G. lugens* Nordmann, 1840, *G. melanio* Pallas, 1814, *G. melanostomus* Pallas, 1814, *G. sulcatus* Eichwald, 1831, *G. virescens* Pallas, 1814, *Neogobius cephalarges* (Pallas, 1814), *N. cephalarges cephalarges* (Pallas, 1814), *N. melanostomus affinis* (Eichwald, 1831), *Ponticola cephalarges* (Pallas, 1814)

CILIOPHORA

Apiosoma sp.⁽³⁾⁽⁴⁾
Scyphida sp.⁽³⁾⁽⁴⁾
Trichodina domerguei Wallengren, 1897⁽⁹⁾
Trichodina sp.⁽³⁾⁽⁴⁾

MONOGENEA

Gyrodactylus proterorhini Ergens, 1967⁽⁵¹⁾
Gyrodactylus sp.⁽³⁾⁽⁴⁾

TREMATODA

Ascocotyle coleostoma (Looss, 1896) Looss, 1899⁽⁹³⁾
Ascocotyle sp.⁽⁵¹⁾
Cryptocotyle concava (Creplin, 1825) Lühe, 1899⁽⁹³⁾
Digenea gen. sp.⁽⁵¹⁾
Galactosomum lacteum (Jagerskiöld, 1896) Looss, 1899⁽⁸¹⁾
Pygidiopsis genata Looss, 1907⁽⁵¹⁾⁽⁹³⁾
Helicometra fasciata (Rudolphi, 1819) Odhner, 1902⁽⁸¹⁾
Stephanostomum bicoronatum (Stossich, 1883) Fuhrmann, 1928⁽⁷⁰⁾

CESTODA

Progrillotia dasyatidis Beveridge et Euzet, 2004⁽⁸¹⁾⁽¹⁰⁴⁾
Proteocephalus gobiorum Dogiel & Bychowsky, 1939⁽¹⁰⁴⁾
Scolex pleuronectis Müller, 1788⁽⁸¹⁾⁽¹⁰⁴⁾⁽¹⁰⁸⁾⁽¹⁰⁹⁾

NEMATODA

Dichelyne (Cucullanellus) minutus (Rudolphi, 1819)⁽⁵¹⁾
Spiroxys sp.⁽⁵¹⁾
Hysterothylacium aduncum (Rudolphi, 1802)⁽⁵¹⁾⁽¹¹²⁾

COPEPODA

Ergasilus sieboldi Nordmann, 1832⁽⁵¹⁾
Ergasilus sp.⁽³⁾⁽⁴⁾

ISOPODA

Nerocila bivittata (Risso, 1816)⁽¹⁶²⁾

MYXOZOA

Kudoa nilüferi Özer, Okay, Gürkanlı, Yılmaz, Yurakhno, 2018⁽²²¹⁾⁽²³⁴⁾⁽²³⁵⁾
Myxobolus sp.⁽²²⁴⁾⁽²²⁵⁾⁽²²⁸⁾
Ortholinea gobiusi Naidenova, 1968⁽⁴⁶⁾⁽²²⁵⁾⁽²²¹⁾⁽²²⁴⁾

ACANTHOCEPHALA

Neoechinorhynchus (*Neoechinorhynchus*) *rutili* (Müller, 1780) Hamann in Stiles & Hassall, 1905⁽⁵¹⁾

Pomatoschistus marmoratus (Risso, 1810) (Marbled goby)

Synonym: *Atherina marmorata* Risso, 1810, *Gobius ferrugineus* Kolombatovic, 1891, *Gobius leopardinus* Nordmann, 1840, *Gobius marmoratus* (Risso, 1810), *Gobius reticulatus* Valenciennes, 1837, *Gobius rhodopterus* Günther, 1861, *Pomatoschistus microps leopardinus* (Nordmann, 1840), *Syrrhodon charrieri* Chabanaud, 1933

CILIOPHORA

Trichodina domerguei Wallengren, 1897⁽¹¹⁾⁽¹⁸⁾
Trichodina heterodentata Duncan, 1977⁽¹¹⁾⁽¹⁸⁾
Paratrachodina corlissi Lom et Haldar, 1977⁽¹¹⁾⁽¹⁸⁾

MONOGENEA

Gyrodactylus proterorhini Ergens, 1967⁽³⁷⁾⁽⁵²⁾
Gyrodactylus sp.⁽⁵²⁾

TREMATODA

Echinostoma sp.⁽⁵²⁾
Posthodiplostomum sp.⁽⁵²⁾
Tylodelphys clavata (von Nordmann, 1832) Diesing, 1850⁽⁵²⁾

***Ponticola kessleri* (Günther, 1861)
 (Bighead goby)**

Synonym: *Gobius kessleri* Günther, 1861, *Gobius platycephalus* Kessler, 1857, *Gobius weidemani* Kessler, 1874, *Neogobius kessleri* (Günther, 1861)

TREMATODA

Helicometra fasciata (Rudolphi, 1819) Odhner, 1902⁽⁸¹⁾

***Proterorhinus marmoratus* (Pallas, 1814)
 (Tubenose goby)**

Synonym: *Gobius blennioides* Kessler, 1877, *G. macropterus* Nordmann, 1840, *G. marmoratus* Pallas, 1814, *G. marmoratus nasalis natio pontica* Smitt, 1899, *G. quadricapillus* Pallas, 1814, *G. rubromaculatus* Kriesch, 1873, *Proterorhinus marmoratus nasalis* (De Filippi, 1863), *Proterorhynus marmoratus* (Pallas, 1814) (misspelling)

CILIOPHORA

Trichodina heterodentata Duncan, 1977⁽¹¹⁾⁽¹⁸⁾

MONOGENEA

Gyrodactylus proterorhini Ergens, 1967⁽³⁷⁾⁽⁵²⁾

TREMATODA

Apatemon gracilis (Rudolphi, 1819) Szidat, 1928⁽⁵²⁾
Ascocotyle coleostoma (Looss, 1896) Looss, 1899⁽⁹³⁾

Cryptocotyle concava (Creplin, 1825) Lühe, 1899⁽⁹³⁾

Diplostomum spathaceum (Rudolphi, 1819) Olsson, 1876⁽⁵²⁾

Echinostoma sp.⁽⁵²⁾

Tylodelphys clavata (von Nordmann, 1832) Diesing, 1850⁽⁵²⁾

CESTODA

Bothriocephalus acheilognathi Yamaguti, 1934⁽⁵²⁾⁽⁴³⁷⁾

NEMATODA

Contracaecum rudolphii Hartwich, 1964⁽⁵²⁾

***Zosterisessor ophiocephalus* (Pallas, 1814)
 (Grass goby)**

Synonym: *Gobius filamentosus* Risso, 1827, *G. gous* Nardo, 1847, *G. lota* Valenciennes, 1837, *Gobius ophiocephalus* Pallas, 1814, *G. ophiocephalus citrina* Ninni, 1938, *G. reticulatus* Eichwald, 1831, *G. venetiarum* Nardo, 1847, *G. viridis* Otto, 1821, *Zosterisessor opiocephalus* (Pallas, 1814) (misspelling)

TREMATODA

Bucephalus marinus Vlasenko, 1931

Diptherostomum brusinae (Stossich, 1888) Stossich, 1904⁽³³⁾⁽⁷²⁾

Helicometra fasciata (Rudolphi, 1819) Odhner, 1902⁽³³⁾⁽⁷²⁾

Piriforma sp.⁽³³⁾

Prosorhynchoides haimeana (Lacaze-Duthiers, 1854)⁽³³⁾

Scolex pleuronectis Müller, 1788⁽¹⁰⁸⁾⁽¹⁰⁹⁾

FAMILY HOLOCENTRIDAE

***Sargocentron rubrum* (Forsskål, 1775)
 (Redcoat)**

Synonym: *Adioryx ruber* (Forsskål, 1775), *Holocentrum dimidicauda* Marshall, 1953, *H. orientale* Cuvier, 1829, *H. rubrum* (Forsskål, 1775), *Holocentrus aureoruber* Fowler, 1904, *H. alboruber* Lacepède, 1802, *H. ruber* (Forsskål, 1775), *Holocentrus rubrum* (Forsskål, 1775), *Perca rubra* (Forsskål, 1775), *Sargocentron ruber* (Forsskål, 1775) (misspelling), *Sargocentrum rubrum* (Forsskål, 1775) (misspelling), *Sciaena rubra* Forsskål, 1775

MONOGENEA

Diplectanum sp.⁽⁴⁴⁾

FAMILY LABRIDAE

***Coris julis* (Linnaeus, 1758) (Mediterranean rainbow wrasse)**

Synonym: *Coris festiva* (Valenciennes, 1839), *Coris speciosa* (Risso, 1827), *Coris taeniatus* Steindachner, 1863, *Julis azorensis* Fowler, 1919, *J. festiva* Valenciennes, 1839, *J. julis* (Linnaeus, 1758), *J. mediterranea* Risso, 1827, *J. melanura* Lowe, 1839, *J. speciosa* Risso, 1827, *J. vulgaris* Fleming, 1828, *J. vulgaris* Valenciennes, 1839, *Labrus cettii* Rafinesque, 1810, *L. infuscus* Walbaum, 1792, *L. julis* Linnaeus, 1758, *L. keslik* Lacepède, 1801, *L. paroticus* Linnaeus, 1758, *L. perdica* Forsskål, 1775 *L. subfuscus* Bloch & Schneider, 1801

NEMATODA

Hysterothylacium fabri (Rudolphi, 1819) Deardorff & Overstreet, 1980⁽¹¹⁵⁾

***Labrus bergylta* Ascanius, 1767 (Ballan wrasse)**

Synonym: *Crenilabrus multidentatus* Thompson, 1837, *Labrus balanus* Fleming, 1828, *Labrus ballan* Bonnaterre, 1788, *Labrus berggylta* Ascanius, 1767 (misspelling), *Labrus comber* Bonnaterre, 1788, *L. donovani* Valenciennes, 1839, *L. maculatus* Bloch, 1792, *L. neustriiae* Lacepède, 1801, *L. nubilus* Valenciennes, 1843, *L. reticulatus* Lowe, 1839, *L. variabilis* Thompson, 1837

ANNELIDA

Trachelobdella lubrica (Grube, 1840)⁽²⁵¹⁾

***Labrus merula* Linnaeus, 1758 (Brown wrasse)**

Synonym: *Labrus limbatus* Valenciennes, 1839, *L. lineolatus* Valenciennes, 1839, *L. livens* Linnaeus, 1758, *L. nereus* Risso, 1810, *L. psittacus* Risso, 1827, *L. saxorum* Valenciennes, 1839

COPEPODA

Caligus minimus Otto, 1821⁽¹⁶⁰⁾

ISOPODA

Anilocra physodes (Linnaeus, 1758)⁽²⁰³⁾

Nerocila bivittata (Risso, 1816)⁽²⁰³⁾

***Symphodus cinereus* (Bonnaterre, 1788) (Grey wrasse)**

Synonym: *Crenilabrus cinereus* (Bonnaterre, 1788), *C. griseus* (Gmelin, 1789), *C. staitii* Nordmann, 1840, *Labrus cinereus* Bonnaterre, 1788, *L. griseus* Gmelin, 1789, *Symphodus cinereus cinereus* (Bonnaterre, 1788), *S. cinereus staitii* (Nordmann, 1840)

TREMATODA

Helicometra fasciata (Rudolphi, 1819) Odhner, 1902⁽⁷⁰⁾

ISOPODA

Nerocila bivittata (Risso, 1816)⁽²¹³⁾

MYXOZOA

Myxobolus rotundus Nemeczek, 1911⁽²²⁴⁾⁽²²⁵⁾

Myxobolus sp.⁽²²⁸⁾

Ortholinea divergens Thélohan, 1895⁽²²⁸⁾

***Symphodus mediterraneus* (L., 1758) (Axillary wrasse)**

Synonym: *Crenilabrus boryanus* Risso, 1827, *Crenilabrus brunnichii* (Lacepède, 1802), *Crenilabrus mediterraneus* (Linnaeus, 1758), *Crenilabrus nigrescens* Risso, 1827, *Crenilabrus pictus* Lowe, 1838, *Labrus coeruleovittatus* Bonnaterre, 1788, *Labrus pittima* Rafinesque, 1810, *Labrus serpentinus* Bonnaterre, 1788, *Labrus unimaculatus* Gmelin, 1789, *Lutjanus brunnichii* Lacepède, 1802, *Lutjanus massiliensis* Lacepède, 1802, *Lutjanus mediterraneus* (Linnaeus, 1758), *Perca mediterranea* Linnaeus, 1758

ISOPODA

Anilocra frontalis H. Milne Edwards, 1840⁽¹⁹⁸⁾

***Symphodus tinca* (L., 1758) (East Atlantic peacock wrasse)**

Synonym: *Crenilabrus tinca* (Linnaeus, 1758), *Labrus lapina* Forsskål, 1775, *L. polychrous* Pallas, 1814, *L. tinca* Linnaeus, 1758, *Lutjanus lapina* (Forsskål, 1775), *Symphodus* (*Crenilabrus*) *tinca* (Linnaeus, 1758)

TREMATODA

Gaevskajatrema perezii (Mathias, 1926) Gibson & Bray, 1982⁽³³⁾⁽⁷²⁾

Gaevskajatrema ponticum (Koval, 1966) Machkevsky, 1990⁽³³⁾

Helicometra fasciata (Rudolphi, 1819) Odhner, 1902⁽³³⁾⁽⁵⁹⁾⁽⁷²⁾

Helicometra insolita Polyanski, 1955⁽³³⁾

Macvicaria alacris (Looss 1901)

Gibson & Bray, 1982⁽⁷²⁾

Plagioporus dogieli Pogorelzeva in Solonchenko, 1975⁽³³⁾

NEMATODA

Dichelyne (*Cucullanellus*) *tripapillatus* (Gendre, 1927)⁽⁵⁹⁾

ISOPODA

Anilocra frontalis H. Milne Edwards, 1840⁽¹⁹⁶⁾

Nerocila bivittata (Risso, 1816)⁽¹⁶²⁾⁽¹⁷⁶⁾

Gnathia sp.⁽⁵⁹⁾

ACANTHOCEPHALA

Pomphorhynchus laevis (Zoega in Mueller, 1776)⁽⁵⁹⁾

***Symphodus* sp.**

Synonym: -

NEMATODA

Cucullanus micropapillatus Tornquist, 1931⁽¹¹⁵⁾

Hysterothylacium fabri (Rudolphi, 1819) Deardorff & Overstreet, 1980⁽¹¹⁵⁾

ISOPODA

Nerocila acuminata Schiödte & Meinert, 1881⁽¹⁶²⁾

Nerocila bivittata (Risso, 1816)⁽¹⁶²⁾

Nerocila sp.⁽¹⁶²⁾

FAMILY LOBOTIDAE

***Lobotes surinamensis* (Bloch, 1790) (Tripletail)**

Synonym: *Bodianus triourus* Mitchill, 1815, *Holocentrus surinamensis* Bloch, 1790, *Lobotes auctorum* Günther, 1859, *Lobotes citrinus* Richardson, 1846, *Lobotes erate* Cuvier, 1830, *Lobotes farkharii* Cuvier, 1830, *Lobotes incurvus* Richardson, 1846, *Lobotes somnolentus* Cuvier, 1830, *Lobotus*

surinamensis (Bloch, 1790)
(misspelling)

COPEPODA

Caligus macrurus Heller,
1865⁽¹⁵⁹⁾

FAMILY LOPHIIDAE

***Lophius piscatorius* L., 1758
(Angler)**

Synonym: *Batrachus eurypterus*
(Düben, 1845), *B. piscator* (Linnaeus,
1758), *B. piscatorius* (Linnaeus,
1758), *Lophius eurypterus* Düben,
1845

NEMATODA

Hysterothylacium aduncum
(Rudolphi, 1802)⁽¹¹⁵⁾

COPEPODA

Chondracanthus lophii Johnston,
1836⁽¹⁴⁹⁾

FAMILY LOTIDAE

***Gaidropsarus mediterraneus*
(L., 1758)
(Shore rockling)**

Synonym: *Enchelyopus*
mediterraneus (Linnaeus, 1758),
Gadus argenteolus Montagu, 1818, *G.*
fuscus Risso, 1810, *G. jubatus* Pallas,
1814, *G. mediterraneus* Linnaeus,
1758, *G. trcirratus* Brännich, 1768,
Gaidropsarus mustellaris Rafinesque,
1810, *Gaidropsaurus mediterraneus*
(Linnaeus, 1758), *Merlangus*
communis Costa, 1844, *Motella*
communis Costa, 1844, *M. fusca*
(Risso, 1810), *M. mediterranea*
(Linnaeus, 1758), *Mustela fusca*
(Risso, 1810), *Onos fusca* (Risso,
1810), *O. mediterraneus* (Linnaeus,
1758), *O. sellai* Cipria, 1938

TREMATODA

Bucephalus marinus Vlasenko,
1931⁽⁷²⁾

Cainocreadium sp.⁽⁷¹⁾

Galactosomum lacteum
(Jagerskiöld, 1896) Looss,
1899⁽⁷¹⁾

Helicometra fasciata (Rudolphi,
1819) Odhner, 1902⁽³³⁾⁽⁵⁹⁾⁽⁷²⁾

Lecithochirium musculus (Looss,
1907) Nasir & Diaz, 1971⁽⁷¹⁾⁽⁹²⁾

Lepocreadium album (Stossich,
1890) Stossich, 1904⁽⁷¹⁾

Magnibursatus skrjabini
(Vlasenko, 1931) Naidenova,
1969⁽⁷¹⁾

Metadena pauli (Vlasenko,
1931) Yamaguti, 1958⁽⁷¹⁾

Rhipidocotyle genovi Dimitrov
et Gibson, 1996⁽⁷¹⁾

Stephanostomum baccatum
(Nicoll, 1907) Manter, 1934⁽³³⁾

Stephanostomum bicoronatum
(Stossich, 1883) Fuhrmann,
1928⁽⁷¹⁾

Stephanostomum gaidropsari
Bartoli & Bray, 2001⁽⁷²⁾

CESTODA

Progrillotia dasyatidis
Beveridge et Euzet, 2004⁽⁷⁵⁾
⁽⁷¹⁾⁽¹⁰⁴⁾

Scolex pleuronectis Müller,
1788⁽⁷¹⁾⁽¹⁰⁴⁾⁽¹⁰⁸⁾⁽¹⁰⁹⁾

NEMATODA

Dichelyne (Cucullanellus)
tripapillatus (Gendre, 1927)⁽⁵⁹⁾

Hysterothylacium aduncum
(Rudolphi, 1802)⁽⁷¹⁾⁽¹¹²⁾⁽¹³⁷⁾

Spinitectus oviflagellis
Fourment, 1883⁽³³⁾

Spinitectus tamari Naidenova,
1966⁽⁷¹⁾

Cucullanus sp.⁽⁷¹⁾

ISOPODA

Gnathia sp.⁽⁵⁹⁾⁽²¹⁸⁾

MYXOZOA

Zschokkella iskovi Kovaleva,
Donec & Kolesnikova,
1989⁽²²⁸⁾⁽²³¹⁾

Sphaeromyxa sevastopoli
Naidenova, 1970⁽²²⁸⁾⁽²³¹⁾⁽²⁴⁴⁾
Sphaeromyxa sp.⁽⁷¹⁾

FAMILY MERLUCCIIDAE

***Merluccius merluccius* (L., 1758)**
(European hake)

Synonym: *Gadus byrkelange* Walbaum, 1792, *G. merluccius* Linnaeus, 1758, *G. ruber* Lacepède, 1803, *Hidronus marlucius* Minding, 1832, *H. marlucius* Minding, 1832, *Merluccius argentatus* Günther, 1862, *M. esculentus* Risso, 1827, *M. linnei* Malm, 1877, *M. merluccius lessepsianus* Lloris, Matallanas & Oliver, 2003, *M. smiridus* Rafinesque, 1810, *M. vulgaris* Fleming, 1828, *Merlucius ambiguus* Lowe, 1841, *Merlucius esculentus* Risso, 1827, *Merlucius lanatus* Gronow, 1854, *Merlucius sinuatus* Swainson, 1838, *Molva byrkelange* (Walbaum, 1792), *Onus riali* Rafinesque, 1810, *Trachinoides maroccanus* Borodin, 1934, *Trachinoides moroccanus* Borodin, 1934

MONOGENEA

Anthocotyle merlucci Van Beneden & Hesse, 1863⁽³³⁾⁽⁴⁰⁾

TREMATODA

Stephanostomum caducum (Looss, 1901) Manter, 1934⁽⁷²⁾
Stephanostomum sp.⁽³³⁾
Clestobothrium crassiceps (Rudolphi, 1819) Lühe, 1899⁽³³⁾

CESTODA

Scolex pleuronectis Müller, 1788⁽³³⁾
Tetraphyllidea (larvae)⁽³⁴⁾

NEMATODA

Anisakis simplex (Rudolphi, 1809)⁽¹¹⁵⁾
Anisakis Type I⁽¹²¹⁾
Hysterothylacium aduncum (Rudolphi, 1802)⁽³³⁾

ACANTHOCEPHALA

Acanthocephaloides propinquus (Dujard., 1845) Meyer, 1933⁽³³⁾⁽²⁴⁷⁾
Echinorhynchus sp.⁽³³⁾

FAMILY MOLIDAE

***Mola mola* (Linnaeus, 1758)**

(Ocean sunfish)

Synonym: *Aledon capensis*

Castelnau, 1861, *Aledon storeri* Castelnau, 1861, *Cephalus brevis* Shaw, 1804, *C. ortagoriscus* Risso, 1827, *C. pallasianus* Shaw, 1804, *Diodon carinatus* Mitchill, 1828, *D. mola* Pallas, 1770, *D. nummularis* Walbaum, 1792, *Diplanchias nasus* Rafinesque, 1810, *Mola aculeata* Koelreuter, 1766, *Mola aspera* Nardo, 1827, *Mola hispida* Nardo, 1827, *Mola rotunda* Cuvier, 1797, *Molacanthus pallasii* Swainson, 1839, *Orthagoriscus analis* Ayres, 1859, *Orthagoriscus mola* (misspelling), *Orthagoriscus analis* Ayres, 1859, *O. blochii* Ranzani, 1839, *O. elegans* Ranzani, 1839, *O. fasciatus* Bloch & Schneider, 1801, *O. ghini* Ranzani, 1839, *O. hispidus* Bloch & Schneider, 1801, *O. lunaris* Gronow, 1854, *O. mola* (Linnaeus, 1758), *O. redi* Ranzani, 1839, *O. retzii* Ranzani, 1839, *O. rondeletii* Ranzani, 1839, *O. rondeletti* Ranzani, 1839, *Orthragus luna* Rafinesque, 1810, *Ozodura orsini* Ranzani, 1839, *Pedalion gigas* Guilding, 1838, *Tetraodon mola* Linnaeus, 1758, *Trematopsis willugbei* Ranzani, 1839, *Tympanomium planci* Ranzani, 1839

COPEPODA

Philorthragoriscus serratus (Krøyer, 1863)⁽¹⁷⁸⁾

FAMILY MORONIDAE

***Dicentrarchus labrax* (L., 1758)**
(European seabass)

Synonym: *Centropomus lupus* Lacepède, 1802, *Centropomus mullus*

Lacepède, 1802, *Dicentrarchus elongatus* (Geoffroy Saint-Hilaire, 1817), *D. lupus* (Lacepède, 1802), *Labrax diacanthus* (Bloch, 1792), *L. elongatus* (Geoffroy Saint-Hilaire, 1817), *L. labrax* (Linnaeus, 1758) *Labrax linnei* Malm, 1877, *L. lupus* (Lacepède, 1802), *L. vulgaris* Guérin-Méneville, 1829-38, *Morone labrax* (Linnaeus, 1758), *Perca diacantha* (Bloch, 1792), *P. elongata* Geoffroy Saint-Hilaire, 1817, *P. labrax* Linnaeus, 1758, *P. sinuosa* Geoffroy Saint-Hilaire, 1817, *Roccus labrax* (Linnaeus, 1758), *Sciaena diacantha* Bloch, 1792, *S. labrax* (Linnaeus, 1758)

CILIOPHORA

Trichodina domerguei
(Wallengren, 1897)⁽¹⁴⁾

MONOGENEA

Dactylogyrus sp.⁽¹⁴⁾
Diplectanum aequans (Wagener, 1857)⁽²⁸⁾⁽⁴¹⁾⁽⁴²⁾⁽⁴³⁾

TREMATODA

Proctocaecum absconditum
(Looss 1901) Lamothe-Argumedo & Ponciano-Rodriguez, 1986⁽⁴²⁾⁽⁴³⁾

NEMATODA

Hysterothylacium sp.⁽⁴²⁾⁽⁴³⁾

COPEPODA

Caligus minimus Otto, 1821⁽¹⁴⁾
(28)(41)(146)(161) (163)(164)(165)

Lernanthropus kroyeri Beneden, 1851^{(5)(41) (187)}

Lernanthropus nordmanni
Wilson C. B., 1922⁽²⁸⁾

ISOPODA

Anilocra physodes (Linnaeus, 1758)⁽²⁰³⁾

Ceratothoa oestroides (Risso, 1816)⁽⁴¹⁾

Nerocila bivittata (Risso, 1816)⁽¹⁶²⁾

MYXOZOA

Ceratomyxa sp.⁽¹⁶³⁾

FAMILY MUGILIDAE

***Chelon auratus* (Risso, 1810)**

(Golden grey mullet)

Synonym: *Chelon aurata* (Risso, 1810) (misspelling), *Liza aurata* (Risso, 1810), *Liza auratus* (Risso, 1810), *Mugil auratus* Risso, 1810, *M. breviceps* Valenciennes, 1836, *M. cryptocheilos* Valenciennes, 1836, *M. cryptochilus* Valenciennes, 1836, *M. lotreganus* Nardo, 1847, *M. maderensis* Lowe, 1839, *M. octoradiatus* Günther, 1861, *Planiliza aurata* (Risso, 1810)

CILIOPHORA

Apiosoma sp.⁽³⁾⁽⁴⁾

Scyphida sp.⁽³⁾⁽⁴⁾

Trichodina lepsi Lom, 1962⁽¹⁸⁾⁽¹⁹⁾⁽²⁰⁾⁽²¹⁾⁽²³⁾

Trichodina puytoraci Lom, 1962^{(18)(19)(20)(21) (23)}

Trichodina sp.⁽³⁾⁽⁴⁾

MONOGENEA

*Ligophorus cephal*i Rubtsova et Euzet, 2006⁽²¹⁾⁽²³⁾⁽³⁷⁾

Ligophorus mediterraneus
(Sarabeev et Euzet, 2005)⁽²¹⁾⁽²³⁾⁽³⁷⁾

Ligophorus mugilinus (Hargis, 1955) Euzet & Suriano, 1977⁽²⁰⁾

Ligophorus szidati Euzet & Suriano, 1977⁽³⁵⁾

Gyrodactylus sp.⁽²⁰⁾⁽²³⁾⁽³⁵⁾

Solostamenides mugilis (Vogt, 1879) Unnithan, 1971⁽²⁰⁾⁽²¹⁾
(23)(35)(37)(61)

TREMATODA

Ascocotyle coleostoma (Looss, 1896) Looss, 1899⁽⁹³⁾

Ascocotyle (Phagicola) longa
Ransom, 1920⁽²¹⁾

Ascocotyle sp.⁽²⁰⁾⁽²³⁾

Haploporus benedeni (Stossich, 1887) Looss, 1902⁽³⁵⁾

Haplospilanchnus pachysomus
(Eysenhardt, 1829) Looss, 1902⁽²¹⁾⁽³⁵⁾

Saccocoelium obesum Looss, 1902⁽³⁵⁾

Saccocoelium tensum Looss, 1902⁽³⁵⁾

Schikhobalotrema sparisomae
(Manter, 1937) Skrjabin &
Guschanskaja, 1955⁽⁷⁴⁾
Tylodelphys clavata (von
Nordmann, 1832) Diesing,
1850⁽²¹⁾

COPEPODA

Ergasilus lizae Kroyer
1863⁽²⁰⁾⁽²¹⁾⁽²³⁾
Ergasilus sp.⁽³⁾⁽⁴⁾
Lernanthropsis mugilis (Brian,
1898)⁽¹⁵⁰⁾

ISOPODA

Anilocra physodes (Linnaeus,
1758)⁽¹⁹⁵⁾
Nerocila orbignyi (Guérin-
Ménéville, 1832)⁽¹⁹⁶⁾

ACANTHOCEPHALA

Neoechinorhynchus
(*Neoechinorhynchus*) *agilis*
(Rudolphi, 1819) Van Cleave,
1916⁽²¹⁾⁽¹¹²⁾⁽¹⁵⁰⁾

***Chelon labrosus* (Risso, 1827) (Thicklip grey mullet)**

Synonym: *Chelon chelo* (Cuvier,
1829), *Crenimugil labrosus* (Risso,
1827), *Liza chelo* (Cuvier, 1829),
Mugil buosega Nardo, 1847, *M. chelo*
Cuvier, 1829, *Mugil chelon* Cuvier,
1829 (misspelling), *M. corrugatus*
Lowe, 1838, *M. curtus* Yarrell, 1836,
M. labrosus Risso, 1827, *M.*
septentrionalis Günther, 1861

MONOGENEA

Ligophorus angustus Euzet &
Suriano, 1977⁽³⁵⁾⁽³⁶⁾
Ergenstrema mugilis Paperna,
1964⁽³⁵⁾
Gyrodactylus sp.⁽³⁵⁾
Solostamenides mugilis (Vogt,
1879) Unnithan, 1971⁽³⁵⁾

TREMATODA

Dicrogaster contracta Looss,
1902⁽³⁵⁾
Haploporus benedeni (Stossich,
1887) Looss, 1902⁽³⁵⁾
Saccocoelium obesum Looss,
1902⁽³⁵⁾⁽³⁶⁾

Saccocoelium tensum Looss,
1902⁽³⁵⁾
Haplospalchnus pachysomus
(Eysenhardt, 1829) Looss,
1902⁽³⁵⁾
Schikhobalotrema sparisomae
(Manter, 1937) Skrjabin &
Guschanskaja, 1955⁽³⁵⁾
Schikhobalotrema sp.⁽³⁵⁾

COPEPODA

Ergasilus lizae Kroyer 1863⁽¹⁵⁰⁾
Caligus pageti Russel, 1925⁽¹⁵⁰⁾
Caligus apodus (Brian, 1924)⁽¹⁵⁰⁾

ACANTHOCEPHALA

Neoechinorhynchus
(*Neoechinorhynchus*) *agilis*
(Rudolphi, 1819) Van Cleave,
1916⁽³⁶⁾⁽¹⁵⁰⁾

***Chelon ramada* (Risso, 1827) (Thinlip grey mullet)**

Synonym: *Liza alosoides* Fowler,
1903, *Liza capito* (Cuvier, 1829), *Liza*
ramada (Risso, 1827), *Liza ramado*
(Risso, 1827) (misspelling), *Mugil*
britannicus Hancock, 1830, *M. capito*
Cuvier, 1829, *M. caustelus* Nardo,
1847, *Mugil cephalus ramado* Risso,
1827 (misspelling), *M. dubahra*
Valenciennes, 1836, *M. petherici*
Günther, 1861, *M. ramada* Risso,
1827, *Mugil ramado* Risso, 1827
(misspelling), *Myxus maroccensis*
Mohr, 1927

MONOGENEA

Ligophorus confusus Euzet &
Suriano, 1977⁽³⁵⁾⁽³⁴⁾
Ligophorus imitans Euzet &
Suriano, 1977⁽³⁵⁾
Ligophorus szidati Euzet &
Suriano, 1977⁽³⁵⁾⁽³³⁾
Ergenstrema mugilis Paperna,
1964⁽³⁵⁾

Solostamenides mugilis (Vogt,
1879) Unnithan, 1971⁽³⁵⁾⁽³⁴⁾⁽³³⁾

TREMATODA

Dicrogaster contracta Looss,
1902⁽³⁵⁾⁽³³⁾
Haploporus benedeni (Stossich,
1887) Looss, 1902⁽³⁵⁾

Haplospilanchnus pachysomus
(Eysenhardt, 1829) Looss,
1902⁽³⁵⁾

Saccocoelium obesum Looss,
1902⁽³⁵⁾⁽³³⁾

Saccocoelium tensum Looss,
1902⁽³⁵⁾

Schikhobalotrema sparismae
(Manter, 1937) Skrjabin &
Guschanskaja, 1955⁽³³⁾

Lecithaster helodes Overstreet,
1973⁽³⁵⁾

COPEPODA

Ergasilus lizae Kroyer 1863⁽¹⁵⁰⁾

Caligus apodus (Brian, 1924)⁽¹⁵⁰⁾

Caligus pageti Russel, 1925⁽¹⁵⁰⁾

ACANTHOCEPHALA

Neoechinorhynchus
(*Neoechinorhynchus*) *agilis*
(Rudolphi, 1819) Van Cleave,
1916⁽¹⁵⁰⁾

***Chelon saliens* (Risso, 1810) (Leaping mullet)**

Synonym: *Liza saliens* (Risso, 1810),
L. saliens furcata Popov, 1930, *Mugil*
saliens Risso, 1810, *M. verselata*
Nardo, 1847

MONOGENEA

Ligophorus acuminatus Euzet &
Suriano, 1977⁽³⁵⁾

Ligophorus heteronchus Euzet &
Suriano, 1977⁽³⁵⁾

Ligophorus macrocolpus Euzet
& Suriano, 1977⁽³⁵⁾

Ligophorus minimus Euzet &
Suriano, 1977⁽³⁵⁾

Solostamenides mugilis (Vogt,
1879) Unnithan, 1971⁽³⁵⁾

TREMATODA

Dicrogaster contracta Looss,
1902⁽³⁵⁾

Dicrogaster perpusilla Looss,
1902⁽⁷²⁾

Haploporus benedeni (Stossich,
1887) Looss, 1902⁽³⁵⁾

Haplospilanchnus pachysomus
(Eysenhardt, 1829) Looss,
1902⁽³⁵⁾

Saccocoelium obesum Looss,
1902⁽³⁵⁾⁽⁷²⁾

Saccocoelium tensum Looss,
1902⁽³⁵⁾

Schikhobalotrema sparismae
(Manter, 1937) Skrjabin &
Guschanskaja, 1955⁽³⁵⁾⁽⁷²⁾⁽⁸⁶⁾⁽⁹⁰⁾

NEMATODA

Hysterothylacium aduncum
(Rudolphi, 1802)⁽⁹⁰⁾

COPEPODA

Ergasilus lizae Kroyer 1863⁽¹⁵⁰⁾

Caligus pageti Russel, 1925⁽¹⁵⁰⁾

Caligus apodus (Brian, 1924)⁽¹⁵⁰⁾

MYXOZOA

Myxobolus parvus Shulman,
1962⁽²²⁴⁾⁽²²⁵⁾⁽²⁴⁶⁾

Myxobolus sp.⁽²²⁴⁾⁽²²⁵⁾

Sphaerospora mugilis Sitja-
Bobadilla et Alvarez-Pellitero,
1995⁽²²⁴⁾⁽²²⁵⁾⁽²⁴⁵⁾

ACANTHOCEPHALA

Neoechinorhynchus
(*Neoechinorhynchus*) *agilis*
(Rudolphi, 1819) Van Cleave,
1916⁽⁹⁰⁾⁽¹⁵⁰⁾

***Mugil cephalus* L., 1758 (Flathead grey mullet)**

Synonym: *Mugil albula* Linnaeus,
1766, *M. ashanteensis* Bleeker, 1863,
M. cephalus Linnaeus, 1758, *M.*
cephalotus Valenciennes, 1836, *M.*
cephalus ashanteensis Bleeker, 1863,
M. cephalus cephalus Linnaeus, 1758,
M. cephalus rammelsbergi Tschudi,
1846, *M. crenilabis* our Forsskål,
1775, *M. dobula* Günther, 1861, *M.*
gelatinosus Klunzinger, 1872, *M.*
grandis Castelnau, 1879, *M.*
hypselosoma Ogilby, 1897, *M.*
japonicus Temminck & Schlegel,
1845, *M. lineatus* Valenciennes, 1836,
M. mexicanus Steindachner, 1876, *M.*
muelleri Klunzinger, 1879, *M. mulleri*
Klunzinger, 1879, *M. our* Forsskål,
1775, *M. peruanus* Hildebrand, 1946,
M. provensalis Risso, 1810, *M.*
rammelsbergii Tschudi, 1846, *M. tang*
Bloch, 1794, *M. vulpinus* Nardo,
1847, *Myxus barnardi* Gilchrist &

Thompson, 1914, *M. caecutiens*
 Günther, 1876, *M. pacificus*
 Steindachner, 1900, *M. superficialis*
 Klunzinger, 1870

CILIOPHORA

Trichodina lepsii Lom,
 1962⁽¹⁸⁾⁽¹⁹⁾⁽²²⁾⁽²⁴⁾
Trichodina puytoraci Lom,
 1962⁽¹⁹⁾⁽²²⁾⁽²⁴⁾

MONOGENEA

Gyrodactylus sp.⁽²²⁾⁽²⁴⁾
Ligophorus cephalis Rubtsova et
 Euzet, 2006⁽²²⁾⁽²⁴⁾⁽³⁷⁾
Ligophorus chabaudi Euzet &
 Suriano, 1977⁽³⁵⁾
Ligophorus mugilinus (Hargis,
 1955) Euzet & Suriano, 1977⁽³⁸⁾
Ligophorus mediterraneus
 (Sarabeev et Euzet, 2005)⁽²²⁾
 (24)(37)
Ligophorus sp.⁽³⁹⁾
Metamicrocotyla cephalus
 (Azim, 1939) Hargis, 1954⁽³⁵⁾
Solostamenides mugilis (Vogt,
 1879) Unnithan, 1971⁽²²⁾⁽²⁴⁾⁽³⁷⁾
 (38)(68)(69)

TREMATODA

Ascocotyle (Phagicola) longa
 Ransom, 1920⁽²²⁾⁽²⁴⁾
Dicrogaster contracta Looss,
 1902⁽³⁵⁾⁽⁸⁹⁾
Diplostomum spathaceum
 (Rudolphi, 1819) Olsson,
 1876⁽²²⁾⁽²⁴⁾
Diplostomum sp.⁽³⁹⁾
Haploporus benedeni (Stossich,
 1887) Looss, 1902⁽³⁵⁾⁽³⁸⁾
Haplospilanchnus pachysomus
 (Eysenhardt, 1829) Looss,
 1902⁽²²⁾⁽²⁴⁾⁽³⁵⁾⁽³⁸⁾⁽⁸⁹⁾
Heterophyes heterophyes
 (Siebold, 1853)⁽²⁸⁾
Monorchis monorchis (Stossich,
 1890) Looss, 1902⁽²⁸⁾
Posthodiplostomum sp.⁽²²⁾⁽²⁴⁾
Saccocoelium obesum Looss,
 1902⁽³⁵⁾
Saccocoelium tensum Looss,
 1902⁽⁸⁹⁾

Schikhobalotrema sparismoe
 (Manter, 1937) Skrjabin &
 Guschanskaja, 1955⁽³⁵⁾
Tylodelphys clavata (von
 Nordmann, 1832) Diesing,
 1850⁽²²⁾⁽²⁴⁾

Digenea gen. sp.⁽³⁹⁾

NEMATODA

Anisakis Type I⁽¹²²⁾
Contracaecum overstreeti
 Mattiucci, Paoletti, Solorzano &
 Nascetti, 2010⁽¹²²⁾
Contracaecum sp.⁽¹²²⁾

COPEPODA

Caligus mugilis Brian, 1935⁽¹⁶⁶⁾
Caligus pageti Russel, 1925⁽¹⁵⁰⁾
Caligus apodus (Brian, 1924)⁽¹⁵⁰⁾
Ergasilus lizae Kroyer
 1863⁽²²⁾⁽²⁴⁾⁽²⁸⁾⁽³⁹⁾⁽¹⁵⁰⁾
Ergasilus sieboldi Nordmann,
 1832⁽³⁸⁾
Lernaeenicus neglectus
 Richiardi, 1877⁽²⁸⁾

ISOPODA

Paragnathia formica (Hesse,
 1864)⁽²⁰³⁾
Gnathia sp.⁽²¹⁸⁾

MYXOZOA

Myxobolus episquamalis Egusa,
 Maeno & Sorimachi,
 1990⁽²³⁶⁾⁽²³⁷⁾
Myxobolus exiguus Thelohan,
 1895⁽¹⁵⁰⁾
Myxobolus ichkeulensis Bahri &
 Marques, 1996⁽²³⁶⁾⁽²³⁸⁾
Myxobolus muelleri Bütschli,
 1882⁽²³⁹⁾

ACANTHOCEPHALA

Neoechinorhynchus
(Neoechinorhynchus) agilis
 (Rudolphi, 1819) Van Cleave,
 1916⁽²²⁾⁽²⁴⁾⁽⁸⁹⁾
Neoechinorhynchus sp.⁽³⁸⁾

MOLLUSCA

Glochidia larvae⁽³⁹⁾

***Oedalechilus labeo* (Cuvier, 1829)**
(Boxlip mullet)

Synonym: *Liza labeo* (Cuvier, 1829),
Mugil labeo Cuvier, 1829

TREMATODA

Dicrogaster contracta Looss,
1902⁽³⁵⁾

Haploporus benedeni (Stossich,
1887) Looss, 1902⁽³⁵⁾

COPEPODA

Ergasilus lizae Kroyer 1863⁽¹⁵⁰⁾

FAMILY MULLIDAE

***Mullus barbatus* L., 1758
(Red mullet)**

Synonym: *Mullus barbatus barbatus*
Linnaeus, 1758, *Mullus ruber*
Lacepède, 1801

CILIOPHORA

Paratrachodina obliqua Lom
1963⁽¹³⁾

Paratrachodina sp.⁽¹²⁾

Trichodina domerquei

Wallengren, 1897⁽¹²⁾ (13)

Trichodina ovonucleata Raabe,
1958⁽¹³⁾

Trichodina sp.⁽¹²⁾

TREMATODA

Galactosomum lacteum
(Jagerskiöld, 1896) Looss,
1899⁽¹²⁾⁽⁹⁴⁾

Proctotrema bacilliovatum
Odhner, 1911⁽¹²⁾ (94)

CESTODA

Progrillotia dasyatidis

Beveridge et Euzet,
2004⁽¹²⁾⁽⁷⁵⁾⁽⁹⁴⁾⁽¹⁰⁴⁾

Nybelinia sp.⁽¹²⁾⁽⁹⁴⁾

Scolex pleuronectis Müller,
1788⁽¹⁰⁴⁾

Tetraphyllidea gen.sp.⁽¹²⁾

NEMATODA

Anisakis simplex (Rudolphi,
1809)⁽¹¹⁸⁾

Anisakis Type I⁽¹²¹⁾

Ascarophis valentina Ferrer et
Moravec, 2005⁽¹²⁾⁽⁹⁴⁾

Capillaria sp.⁽¹²⁾⁽⁹⁴⁾

Contracaecum sp.⁽¹²⁾⁽⁹⁴⁾

Hysterothylacium aduncum
(Rudolphi, 1802)⁽¹²⁾⁽⁹⁴⁾⁽¹¹²⁾⁽¹³⁶⁾

Hysterothylacium fabri

(Rudolphi, 1819) Deardorff &
Overstreet, 1980⁽¹²⁾⁽⁹⁴⁾

COPEPODA

Caligus mulli Rodrigus, Özak,
Siva, Boxshall 2018⁽¹⁶⁷⁾

ISOPODA

Ceratothoa oestroides (Risso,
1816)⁽²⁰⁴⁾

Nerocila sp.⁽¹⁶²⁾

MYXOZOA

Myxobolus parvus Shulman,
1962⁽²²⁴⁾⁽²²⁵⁾

Ortholinea mullusi Gürkanlı,
Güneydağ, Çiftçi, Yurakhno &
Özer, 2018⁽²²¹⁾⁽²³²⁾⁽²⁴⁰⁾⁽²⁴¹⁾⁽²⁴²⁾

Ortholinea orientalis (Shulman
et Shulman-Albova, 1953)⁽²²¹⁾
⁽²²⁴⁾⁽²²⁵⁾⁽²⁴³⁾

MICROSPORIDIA

Loma sp.⁽¹²⁾⁽⁹⁴⁾

ACANTHOCEPHALA

Acanthocephaloides irregularis
Amin et Kvach, 2011⁽¹²⁾⁽⁹⁴⁾

***Mullus surmuletus* L., 1758
(Surmullet)**

Synonym: *Mullus barbatus*
surmuletus Linnaeus, 1758, *Mullus*
fuscatus Rafinesque, 1810

TREMATODA

Opecoeloides furcatus (Bremser
in Rudolphi, 1819) Odhner,
1928⁽⁵⁹⁾⁽⁷⁴⁾⁽⁹⁷⁾

Proctotrema bacilliovatum
Odhner, 1911⁽⁵⁹⁾⁽⁹⁷⁾

NEMATODA

Anisakis simplex (Rudolphi,
1809)⁽⁵⁹⁾⁽⁹⁷⁾⁽¹¹⁵⁾

Capillaria sp.⁽⁵⁹⁾⁽⁹⁷⁾

Cucullanus longicollis (Stossich,
1899)⁽⁵⁹⁾⁽⁹⁷⁾

Hysterothylacium fabri

(Rudolphi, 1819) Deardorff &
Overstreet, 1980⁽⁵⁹⁾⁽⁹⁷⁾⁽¹⁰⁶⁾

COPEPODA

Lernaia sp.⁽⁵⁹⁾⁽⁹⁷⁾

Hatschekia mulli (Beneden,
1851)⁽⁵⁹⁾⁽⁹⁷⁾

ISOPODA

Ceratothoa oestroides (Risso, 1816)⁽⁹⁷⁾
Gnathia sp.⁽²¹⁸⁾
ACANTHOCEPHALA
Echinorhynchida gen. sp.⁽⁹⁷⁾

FAMILY MURAENIDAE

***Muraena helena* Linnaeus, 1758**
(Mediterranean moray)

Synonym: *Gymnothorax muraena* Bloch & Schneider, 1801, *Limamuraena guttata* (Risso, 1827), *Limamuraena guttata* (Risso, 1827), *Muraena australiae* Richardson, 1848, *M. bettencourti* Osório, 1911, *M. guttata* Risso, 1827, *Muraena helaena* Linnaeus, 1758 (misspelling), *M. helena australiae* Richardson, 1848, *M. punctata* Rafinesque, 1810, *M. romana* Shaw, 1803, *M. variegata* Rafinesque, 1810, *M. vorax* Ogilby, 1907, *Muraenophis bettencourti* (Osório, 1911), *M. fulva* Risso, 1810, *M. helena* (Linnaeus, 1758), *M. bettencourti* (Osório, 1911), *Thyrsoidea atlantica* Johnson, 1862

TREMATODA

Lecithochirium grandiporum (Rudolphi, 1819) Lühe, 1901⁽⁷⁴⁾
Prosorhynchus crucibulum (Rudolphi, 1819) Odhner, 1905⁽⁷⁴⁾

NEMATODA

Cucullanus hians (Dujardin, 1845)⁽¹¹⁵⁾

FAMILY OPHIDIIDAE

***Ophidion barbatum* Linnaeus, 1758**
(Snake blenny)

Synonym: *Ophidion barbatus* Linnaeus, 1758 (misspelling), *Ophidium barbatum* Linnaeus, 1758 (misspelling), *Ophidium maculatum* Rafinesque, 1810 (misspelling), *Ophidion maculatum* Rafinesque, 1810, *Ophidion congrus* Gronow, 1854

CESTODA

Scolex pleuronectis Müller, 1788⁽⁵⁹⁾

***Ophidion rochei* Müller, 1845**

Synonym: *Ophidion broussoneti* Müller, 1845

CILIOPHORA

Scyphida sp.⁽⁵⁾

TREMATODA

Lecithochirium musculus (Looss, 1907) Nasir & Diaz, 1971⁽⁷⁵⁾⁽⁹²⁾

CESTODA

Progrillotia dasyatidis Beveridge et Euzet, 2004⁽⁷⁵⁾⁽¹⁰⁴⁾
Scolex pleuronectis Müller, 1788⁽⁷⁵⁾⁽¹⁰⁴⁾

NEMATODA

Hysterothylacium aduncum (Rudolphi, 1802)⁽¹¹²⁾

FAMILY PEMPHERIDAE

***Pempheris vanicolensis* Cuvier, 1831**
(Vanikoro sweeper)

Synonym: -

ISOPODA

Anilocra sp.⁽¹⁹⁸⁾

FAMILY PLEURUNECTIDAE

***Platichthys flesus* (L., 1758)**
(European flounder)

Synonym: *Flesus vulgaris* Moreau, 1881, *Platessa carnaria* Brown, 1830, *Platessa glabra* Rathke, 1837, *Platessa passer* Bonaparte, *Platichthys flesus bogdanovi* (Sandeberg, 1878), *P. flesus flesus* (Linnaeus, 1758), *P. flesus luscus* (Pallas, 1814), *P. flesus marmorata* Nordmann, 1840, *P. flesus trachurus* (Duncker, 1892), *Pleuronectes bogdanovii* Sandeberg, 1878, *P. flesoides* Pontoppidan, 1766, *P. flesus*

Linnaeus, 1758, *P. flesus baltica*
 Suvorov, 1925, *P. flesus caninensis*
 Suvorov, 1929, *P. flesus leiurus*
 Duncker, 1892, *P. flesus luscus*
 Pallas, 1814, *P. flesus septentrionalis*
 Suvorov, 1925, *P. flesus septentrionalis* Berg, 1932, *P. flesus trachurus* Duncker, 1892, *P. italicus*
 Günther, 1862, *P. luscus* Pallas, 1814, *P. passer* Linnaeus, 1758, *P. roseus* Shaw, 1796

CILIOPHORA

Riboscyphida sp.⁽¹⁾⁽²⁾
Ambiphrya sp.⁽¹⁾⁽²⁾
Vorticella sp.⁽¹⁾⁽²⁾
Trichodina domerguei
 Wallengren, 1897⁽¹⁾⁽²⁾
Trichodina jadratica Raabe, 1958⁽¹⁾⁽²⁾

MONOGENEA

Gyrodactylus flesi Malmberg, 1957⁽¹⁾

TREMATODA

Ascocotyle sp.⁽¹⁾
Ascocotyle coleostoma (Looss, 1896) Looss, 1899⁽⁹³⁾

CESTODA

Ligula intestinalis (Linnaeus, 1758) Gmelin, 1790⁽¹⁰⁰⁾
Nybelinia sp.⁽¹⁰⁷⁾
Paradilepis scolecina (Rudolphi, 1819)⁽¹⁾
Scolex pleuronectis Müller, 1788⁽¹⁰⁷⁾

NEMATODA

Capillaria sp.⁽¹⁾
Contracaecum siluri-glandis
 Von Lintow, 1883⁽¹⁰⁷⁾
Dichelyne (Cucullanellus) minutus (Rudolphi, 1819)⁽¹⁾
⁽¹⁰⁰⁾⁽¹⁰⁷⁾⁽¹²⁴⁾
Spiroxys contortus (Rudolphi, 1819)⁽¹⁾
Hysterothylacium aduncum (Rudolphi, 1802)⁽¹⁾⁽¹¹²⁾

COPEPODA

Ergasilus sieboldi Nordmann, 1832⁽¹⁾
Lepeophtheirus europaensis
 Zeddern, Berrebi, Renaud, Raibaut & Gabrion, 1988⁽¹⁷⁶⁾

ISOPODA

Nerocila bivittata (Risso, 1816)⁽¹⁶²⁾

MYXOZOA

Fabespora nana Naidenova & Zaika, 1969⁽²²²⁾
Myxidium gadi Georgevitch, 1916⁽²²²⁾

ACANTHOCEPHALA

Neoechinorhynchus (Neoechinorhynchus) rutili (Müller, 1780) Hamann in Stiles & Hassall, 1905⁽¹⁾
Telosentis exiguus (von Linstow, 1901)⁽¹⁰⁷⁾

FAMILY PHYCIDAE

***Phycis phycis* (Linnaeus, 1766) (Forkbeard)**

Synonym: *Blennius phycis* Linnaeus, 1766, *Phycis furcatus* Bowdich, 1825, *Phycis limbatus* Valenciennes, 1838, *Phycis mediterraneus* Delaroche, 1809, *Tinca marina* Walbaum, 1792

TREMATODA

Bathycreadium sp.⁽⁷⁴⁾

NEMATODA

Hysterothylacium fabri (Rudolphi, 1819) Deardorff & Overstreet, 1980⁽¹¹⁵⁾

CESTODA

Scolex pleuronectis Müller, 1788⁽⁹⁸⁾

ISOPODA

Ceratothoa aestroides (Risso, 1816)⁽²⁰⁴⁾

FAMILY POMACENTRIDAE

***Abudefduf saxatilis* (Linnaeus, 1758) (Sergeant-major)**

Synonym: *Abudefduf ascensionis* Fowler, 1919, *Abudefduf marginatus* (Bloch, 1787), *Abudefduf saxatilis* (Linnaeus, 1758) (misspelling),

Abudefduf sexatilis (Linnaeus, 1758) (misspelling), *Apogon quinquevittatus* Blyth, 1858, *Chaetodon marginatus* Bloch, 1787, *Chaetodon mauritii* Bloch, 1787, *Chaetodon sargoides* Lacepède, 1802, *Chaetodon saxatilis* Linnaeus, 1758, *Glyphidodon saxatilis* (Linnaeus, 1758), *Glyphisodon binar* Montrouzier, 1857, *Glyphisodon moucharra* Lacepède, 1802, *Glyphisodon saxatilis*

ISOPODA

Ceratothoa aestoides (Risso, 1816)⁽²⁰⁴⁾

***Chromis chromis* (L., 1758) (Damselfish)**

Synonym: *Chromis castanea* Cuvier, 1814, *C. mediteranea* Cloquet, 1817, *Heliastes castanea* (Cuvier, 1814), *H. chromis* (Linnaeus, 1758), *Sparus chromis* Linnaeus, 1758

ISOPODA

Anilocra physodes (Linnaeus, 1758)⁽²⁰⁰⁾
Anilocra sp.⁽¹⁹⁸⁾

MYXOZOA

Enteromyxum leei (Diamant, Lom & Dykova, 1994)⁽²²¹⁾⁽²²⁴⁾
⁽²²⁵⁾⁽²³⁰⁾

FAMILY POMATOMIDAE

***Pomatomus saltatrix* (L., 1766) (Bluefish)**

Synonym: *Cheilodipterus heptacanthus* Lacepède, 1801, *Cheilodipterus saltatrix* (Linnaeus, 1766), *Chromis epicurorum* Gronow, 1854, *Gasterosteus saltatrix* Linnaeus, 1766, *Gonenion serra* Rafinesque, 1810, *Lopharis mediterraneus* Rafinesque, 1810, *Perca lophar* Forsskål, 1775, *Pomatomix saltatrix* (Linnaeus, 1766) (misspelling), *Pomatomus pedica* Whitley, 1931, *P. saltator* (Linnaeus,

1766) (misspelling), *P. skib* Lacepède, 1802, *Scomber sypterus* Pallas, 1814, *Scomer sypterus* Pallas, 1814, *Sparactodon naln* Rochebrune, 1880, *Sypterus pallasii* Eichwald, 1831, *Temnodon conidens* Castelnau, 1861, *T. saltator* (Linnaeus, 1766) (misspelling), *T. tubulus* Saville-Kent, 1893

MONOGENEA

Microcotyle pomatomi Goto, 1899⁽⁶⁸⁾

TREMATODA

Hemiurus sp.⁽⁹⁵⁾
Lecithaster sp.⁽⁹⁵⁾
Opechona bacillaris (Molin 1859) Looss, 1907⁽⁸⁶⁾⁽⁹⁰⁾
Paramacroderoides sp.⁽⁸⁵⁾

NEMATODA

Anisakis simplex (Rudolphi, 1809)⁽¹¹⁵⁾
Hysterothylacium aduncum (Rudolphi, 1802)⁽⁹⁰⁾
Philometra sp.⁽²⁾
Philometra saltatrix Ramachandran, 1973⁽¹²⁶⁾

COPEPODA

Caligus temnodontis Brian, 1924⁽¹⁶⁹⁾

ISOPODA

Ceratothoa oestroides (Risso, 1816)⁽²⁰⁵⁾

FAMILY SCARIDAE

***Sparisoma cretense* (Linnaeus, 1758) (Parrotfish)**

Synonym: *Calliodon rubiginosus* (Valenciennes, 1840), *Euscarus cretensis* (Linnaeus, 1758), *Labrus cretensis* Linnaeus, 1758, *Scarus canariensis* Valenciennes, 1838, *Scarus cretensis* (Linnaeus, 1758), *Scarus mutabilis* Lowe, 1838, *Scarus rubiginoides* Guichenot, 1865, *Scarus rubiginosus* Valenciennes, 1840, *Scarus sculus* Cocco, 1846, *Sparidosoma cretense* (Linnaeus, 1758), *Sparisoma cretensis* (Linnaeus, 1758)

COPEPODA

Caligus scribeae Essafi, Cabral &
Raibaut, 1984⁽¹⁷³⁾

FAMILY SCIAENIDAE

***Argyrosomus regius* (Asso, 1801)
(Meagre)**

Synonym: *Argyrosomus procerus* De la Pylaie, 1835, *Argyrosomus regium* (Asso, 1801), *Cheilodipterus aquila* Lacepède, 1803, *Perca luth* Walbaum, 1792, *Perca regia* Asso, 1801, *Perca vanloo* Risso, 1810, *Sciaena aquila* (Lacepède, 1803), *S. aquila* Cuvier, 1817, *S. regius* (Asso, 1801)

COPEPODA

Lernanthropus indefinitus
Koyuncu, Castro Romero &
Karaytuğ, 2012⁽¹⁸⁷⁾

***Sciaena umbra* L., 1758
(Brown meagre)**

Synonym: *Bairdiella umbra* (Linnaeus, 1758), *Coracinus chalcis* Pallas, 1814, *Corvina canariensis* Cuvier, 1830, *Corvina nigra* (non Cuvier, 1829) (missapplied), *Corvina umbra* (Linnaeus, 1758), *Johnius umbra* (Linnaeus, 1758), *Sciaena nigra* Bloch, 1792

TREMATODA

Anoiktostoma coronatum
(Wagener, 1852) Stossich,
1899⁽⁷⁴⁾⁽⁸⁰⁾
Siphoderina aloysiae (Stossich,
1885) Miller & Cribb, 2008⁽⁷⁴⁾⁽⁸⁰⁾

NEMATODA

Hysterothylacium aduncum
(Rudolphi, 1802)⁽⁸⁰⁾⁽¹¹²⁾

ISOPODA

Anilocra physodes (Linnaeus,
1758)⁽²⁰³⁾
Gnathia sp.⁽⁸⁰⁾⁽²¹⁸⁾
Nerocila bivittata (Risso,
1816)⁽⁸⁰⁾⁽¹⁶²⁾⁽¹⁹⁸⁾
Nerocila sp.⁽¹⁶²⁾

ACANTHOCEPHALA

Longicollum pagrosomi
Yamaguti, 1935⁽⁸⁰⁾

ANNELIDA

Trachelobdella lubrica (Grube,
1840)⁽⁸⁰⁾

***Umbrina cirrosa* (L., 1758)
(Shi drum)**

Synonym: *Asperina improvisa* Ostroumoff, 1896, *Attilus cirrhosa* (Linnaeus, 1758) (misspelling), *Cheilodipterus cyanopterus* Lacepède, 1801 (ambiguous synonym), *Coracinus boops* Pallas, 1814, *Johnius cirrhosus* (Linnaeus, 1758) (misspelling), *Perca umbra* Lacepède, 1802, *Sciaena cestreus* Gronow, 1854, *Sciaena cirrosa* Linnaeus, 1758, *Sparus coracinus* Asso, 1801, *Umbrina cirrhata* (Linnaeus, 1758), *U. vulgaris* Cuvier, 1830

TREMATODA

Stephanostomum bicornatum
(Stossich, 1883) Fuhrmann,
1928⁽⁵⁹⁾

COPEPODA

Lernanthropus gisleri Beneden,
1852⁽¹⁸⁶⁾
Gnathia sp.⁽⁵⁹⁾
Parabrachiella hostilis (Heller,
1865)⁽¹⁸³⁾
Parabrachiella richiardii (Ben
Hassine & Raibaut, 1978)⁽¹⁸³⁾

FAMILY SCOMBRIDAE

***Euthynnus alletteratus* (Rafinesque,
1810)
(Little tunny)**

Synonym: *Euthinnus alletteratus* (Rafinesque, 1810) (misspelling), *Euthunnus alleteratus* (misspelling), *Euthynnus alleteratus* (Rafinesque, 1810) (misspelling), *Euthynnus alletteratus alletteratus* (Rafinesque, 1810), *E. alletteratus aurolitoralis* Fraser-Brunner, 1949, *Euthynnus alliteratus* (Rafinesque, 1810)

(misspelling), *Euthynnus allitteratus* (Rafinesque, 1810) (misspelling), *E. quadripunctatus* (Geoffroy Saint-Hilaire, 1817), *E. thunina* (Cuvier, 1829), *Gymnosarda alleterata* (Rafinesque, 1810) (misspelling), *Gymnosarda alletterata* (Rafinesque, 1810), *Gymnosarda alliterata* (Rafinesque, 1810) (misspelling), *Orcynus thunnina* (Cuvier, 1829), *Pelamys alleterata* (Rafinesque, 1810) (misspelling), *Scomber alletteratus* Rafinesque, 1810, *S. quadripunctatus* Geoffroy Saint-Hilaire, 1817, *Thynnichthys brevipinnis* (Cuvier, 1832), *Thynnichthys thunnina* (Cuvier, 1829), *Thynnus brasiliensis* Cuvier, 1832, *T. brevipinnis* Cuvier, 1832, *T. leachianus* Risso, 1827, *T. thunina* Cuvier, 1829

CESTODA

Callitetrarhynchus gracilis (Rudolphi, 1819) Pintner, 1931⁽¹⁰²⁾

***Sarda sarda* (Bloch, 1793) (Atlantic bonito)**

Synonym: *Palamita sarda* (Bloch, 1793), *Pelamis sarda* (Bloch, 1793), *Pelamys sarda* (Bloch, 1793), *Sarda mediterranea* (Bloch & Schneider, 1801), *Sarda pelamis* (Brünnich, 1768), *Scomber mediterraneus* Bloch & Schneider, 1801, *Scomber palamitus* Rafinesque, 1810, *Scomber ponticus* Pallas, 1814, *Scomber sarda* Bloch, 1793, *Thynnus brachypterus* Cuvier, 1829, *Thynnus sardus* (Bloch, 1793)

NEMATODA

Hysterothylacium aduncum (Rudolphi, 1802)⁽¹¹²⁾

***Scomber japonicus* Houttuyn, 1782 (Chub mackerel)**

Synonym: *Pneumatophorus diego* (Ayres, 1856), *P. japonicus* (Houttuyn, 1782), *P. japonicus*

japonicus (Houttuyn, 1782), *P. peruanus* Jordan & Hubbs, 1925, *Scomber capensis* Cuvier, 1832, *S. diego* Ayres, 1856, *S. gigas* Fowler, 1935, *S. janisaba* Bleeker, 1854, *S. japonicus japonicus* Houttuyn, 1782, *S. japonicus marplatensis* (Lopez, 1955), *S. japonicus peruanus* (Jordan & Hubbs, 1925), *Scomber joanesaba* Bleeker, 1854 (misspelling), *S. peruanus* (Jordan & Hubbs, 1925), *S. pneumatophorus japonicus* Temminck & Schlegel, 1844, *S. saba* Bleeker, 1854, *S. scombrus japonicus* Temminck & Schlegel, 1844

MONOGENEA

Kuhnia scombri (Kuhn, 1829) Sproston, 1945⁽⁴⁰⁾⁽⁵⁹⁾⁽⁶⁴⁾⁽⁶⁵⁾

TREMATODA

Bacciger bacciger (Rudolphi, 1819) Nicoll, 1914⁽⁵⁹⁾⁽⁶⁴⁾
Ectenurus lepidus Looss, 1907⁽⁵⁹⁾⁽⁶⁴⁾⁽⁶⁵⁾
Lecithocladium excisum (Rudolphi, 1819) Lühe, 1901⁽⁷⁴⁾
Lepidapedon elongatum (Lebow, 1908) Nicoll, 1910⁽⁵⁹⁾⁽⁶⁴⁾⁽⁶⁵⁾
Opechona ollsoni (Yamaguti, 1934) Yamaguti, 1938⁽⁵⁹⁾⁽⁶⁴⁾⁽⁶⁵⁾⁽⁷⁴⁾

CESTODA

Scolex pleuronectis Müller, 1788⁽⁵⁹⁾⁽⁶⁴⁾⁽⁹⁸⁾

NEMATODA

Anisakis simplex (Rudolphi, 1809)⁽⁵⁹⁾⁽⁶⁴⁾⁽⁶⁵⁾⁽¹¹⁵⁾⁽¹²⁰⁾
Anisakis Type I⁽¹²¹⁾
Hysterothylacium aduncum (Rudolphi, 1802)⁽⁵⁹⁾⁽⁶⁴⁾⁽⁶⁵⁾

COPEPODA

Hatschekia sp.⁽⁶⁵⁾
Lernaea sp.⁽⁶⁴⁾⁽⁶⁵⁾

ISOPODA

Anilocra physodes (Linnaeus, 1758)⁽⁵⁹⁾⁽⁶⁴⁾
Ceratothoa oestroides (Risso, 1816)⁽⁵⁹⁾⁽⁶⁴⁾
Ceratothoa sp.⁽⁵⁹⁾

CNIDARIA

Myxobolus sp.⁽⁶⁵⁾
***Scomber scombrus* L., 1758**

(Atlantic mackerel)

Synonym: *Scomber glauciscus* Pallas, 1814, *S. punctatus* Couch, 1849, *S. scomber* Linnaeus, 1758 (misspelling), *S. scriptus* Couch, 1863, *S. vernalis* Mitchell, 1815, *S. vulgaris* Fleming, 1828, *S. vulgaris* Wood, 1837

MONOGENEA

Grubea cochlear Diesing, 1858⁽²⁸⁾

Kuhnia scombri (Kuhn, 1829) Sproston, 1945⁽²⁸⁾

TREMATODA

Lecithocladium excisum (Rudolphi, 1819) Lühe, 1901⁽⁸⁶⁾

Opechona bacillaris (Molin 1859) Looss, 1907⁽⁸⁶⁾

NEMATODA

Anisakis simplex (Rudolphi, 1809)⁽⁸⁶⁾

Anisakis Type I⁽¹²¹⁾⁽¹²³⁾

COPEPODA

Caligus pelamydis Krøyer, 1863⁽²⁸⁾

Clavellisa scombri (Kurz, 1877)⁽¹⁵²⁾

Thunnus thynnus (L., 1758) (Atlantic bluefin tuna)

Synonym: *Albacora thynnus* (Linnaeus, 1758), *Orcynus secondorsalis* (Storer, 1853) (misspelling), *Orcynus thynnus* (Linnaeus, 1758), *Scomber thynnus* Linnaeus, 1758, *Thunnus secundorsalis* (Storer, 1853), *T. thynnus thynnus* (Linnaeus, 1758), *T. thynus* (Linnaeus, 1758) (misspelling), *T. vulgaris* (Cuvier, 1832), *T. linnei* Malm, 1877, *T. mediterraneus* Risso, 1827, *T. secundorsalis* Storer, 1853, *T. thynnus* (Linnaeus, 1758), *T. vulgaris* Cuvier, 1832

COPEPODA

Euryphorus brachypterus (Gerstaecker, 1853)⁽¹⁷⁴⁾

FAMILY SCOPHTHALMIDAE

Scophthalmus maeoticus (Pallas, 1814) (Black Sea turbot)

Synonym: *Bothus maeoticus* (Pallas, 1814) (unassessed), *Pleuronectes maeoticus* Pallas, 1814, *Psetta maeotica* (Pallas, 1814), *Psetta maeoticus* (Pallas), *Psetta maxima maeotica* (Pallas, 1814), *Rhombus maeoticus* (Pallas, 1814), *Scophthalmus maeotica* (Pallas, 1814) (misspelling)

MYXOZOA

Ceratomyxa sp.⁽²²⁷⁾

Scophthalmus maximus (L., 1758) (Turbot)

Synonym: *Bothus maximus* (Linnaeus, 1758), *Pleuronectes cyclops* Donovan, 1806, *Pleuronectes maximus* Linnaeus, 1758, *Pleuronectes turbot* Lacepède, 1802, *Psetta maxima* (Linnaeus, 1758), *Psetta maxima maxima* (Linnaeus, 1758), *Rhombus aculeatus* Gottsche, 1835, *Rhombus magnus* Minding, 1832, *Rhombus maximus* (Linnaeus, 1758), *Rhombus stellosus* Bennett, 1835, *Scophthalmus ponticus* Ninni, 1932

CESTODA

Bothriocephalus scorpii (Müller, 1776) Cooper, 1917⁽⁹⁹⁾

ISOPODA

Nerocila bivittata (Risso, 1816)⁽¹⁶²⁾

FAMILY SCORPAENIDAE

Scorpaena notata Rafinesque, 1810 (Small red scorpionfish)

Synonym: *Scorpaena afimbria* Slastenenko, 1935, *S. scrofa afimbria* Slastenenko, 1935, *S. teneriffa*

Jordan & Gunn, 1898, *S. ustulata*
Lowe, 1841

TREMATODA

Allocreadium transversale
(Rudolphi, 1802) Odhner,
1901⁽⁷⁶⁾

Helicometra fasciata (Rudolphi,
1819) Odhner, 1902⁽⁷⁶⁾

CESTODA

Bothriocephalus scorpii (Müller,
1776) Cooper, 1917⁽⁷⁶⁾

NEMATODA

Ascarophis sp.⁽⁷⁶⁾⁽¹¹⁵⁾

***Scorpaena porcus* L., 1758 (Black scorpionfish)**

Synonym: *Scorpaena erythraea*
Cuvier, 1829

TREMATODA

Allocreadium transversale
(Rudolphi, 1802) Odhner,
1901⁽⁷⁶⁾

Anisocoelium capitellatum
(Rudolphi, 1819) Lühe, 1900⁽⁷⁶⁾

Helicometra fasciata (Rudolphi,
1819) Odhner, 1902⁽⁵⁹⁾⁽⁷⁵⁾⁽⁷⁶⁾
Lecithochirium musculus (Looss,
1907) Nasir & Diaz, 1971⁽⁹²⁾

CESTODA

Bothriocephalus scorpii (Müller,
1776) Cooper, 1917⁽⁵⁹⁾⁽⁷⁶⁾
Scolex pleuronectis Müller,
1788⁽⁵⁹⁾⁽⁷⁶⁾

NEMATODA

Ascarophis sp.⁽⁷⁶⁾⁽¹¹²⁾⁽¹¹⁵⁾
Hysterothylacium aduncum
(Rudolphi, 1802)⁽¹¹²⁾

ISOPODA

Nerocila acuminata Schiödte &
Meinert, 1881⁽¹⁶²⁾
Nerocila bivittata (Risso,
1816)⁽¹⁶²⁾
Gnathia sp.⁽⁵⁹⁾

MYXOZOA

Ceratomyxa elegans Jameson,
1929⁽²²¹⁾⁽²²²⁾

ACANTHOCEPHALA

Acanthocephaloides irregularis
Amin et Kvach, 2011⁽¹¹²⁾

Acanthocephalus lucii (Mueller,
1776) Lühe 1911⁽⁵⁹⁾

ANNELIDA

Trachelobdella lubrica (Grube,
1840)⁽²⁵⁰⁾⁽²⁵⁵⁾

***Scorpaena scrofa* L., 1758 (Red scorpionfish)**

Synonym: *Scorpaena lutea* Risso,
1810, *Scorpaena natalensis* Regan,
1906, *Scorpaenopsis natalensis*
(Regan, 1906), *Sebastapistes scrofa*
(Linnaeus, 1758) (misspelling)

TREMATODA

Allocreadium transversale
(Rudolphi, 1802) Odhner,
1901⁽⁷⁶⁾

Anisocoelium capitellatum
(Rudolphi, 1819) Lühe, 1900⁽⁷⁶⁾

Helicometra fasciata (Rudolphi,
1819) Odhner, 1902⁽⁵⁹⁾⁽⁷²⁾⁽⁷⁶⁾

NEMATODA

Ascarophis sp.⁽⁷⁶⁾

CESTODA

Bothriocephalus scorpii (Müller,
1776) Cooper, 1917⁽⁵⁹⁾⁽⁷⁶⁾
Scolex pleuronectis Müller,
1788⁽³³⁾⁽⁷⁶⁾
Tetraphyllidea (larvae)⁽³⁴⁾

ISOPODA

Nerocila bivittata (Risso,
1816)⁽¹⁹⁸⁾⁽²⁰⁰⁾

Gnathia sp.⁽⁵⁹⁾⁽²¹⁸⁾

ACANTHOCEPHALA

Acanthocephaloides propinquus
(Dujard., 1845) Meyer, 1933⁽³³⁾

ANNELIDA

Trachelobdella lubrica (Grube,
1840)⁽²⁵⁰⁾

FAMILY SCYLIORHINIDAE

***Scyliorhinus canicula* (Linnaeus, 1758) (Lesser spotted dogfish)**

Synonym: *Catulus duhamelii*
Garman, 1913, *Scyliorhinus caniculus*
(Linnaeus, 1758) (misspelling),
Scyliorhinus canicula albomaculata

Pietschmann, 1906, *Scyliorhinus caniculus* (Linnaeus, 1758) (misspelling), *Scyllium acutidens* Vaillant, 1888, *Scyllium canicula* (Linnaeus, 1758), *Scyllium spinacipellitum* Vaillant, 1888, *Squalus canicula* Linnaeus, 1758, *Squalus catulus* Linnaeus, 1758, *Squalus elegans* Blainville, 1825

CESTODA

Echeneibothrium variabile Van Beneden, 1850⁽⁹⁸⁾

FAMILY SEBASTIDAE

***Helicolenus dactylopterus*
(Delaroche, 1809)
(Blackbelly rosefish)**

Synonym: *Helicolenus dactylopterus* dactylopterus (Delaroche, 1809), *H. imperialis* (Cuvier, 1829), *H. maculatus* (Cuvier, 1829), *H. maderensis* Goode & Bean, 1896, *H. thelmae* Fowler, 1937, *Scorpaena dactyloptera* Delaroche, 1809, *Sebastes dactyloptera* (Delaroche, 1809) (misspelling), *Sebastes dactylopterus* (Delaroche, 1809), *S. imperialis* Cuvier, 1829, *S. maculatus* Cuvier, 1829

ISPODA

Ceratothoa oestroides (Risso, 1816)⁽²⁰⁰⁾
Mothocya taurica (Czerniavsky, 1868)⁽²⁰⁰⁾

FAMILY SERRANIDAE

***Anthias anthias* (Linnaeus, 1758)
(Swallowtail seaperch)**

Synonym: *Anthias sacer* Bloch, 1792, *Aylopon canariensis* Guichenot, 1868, *Labrus anthias* Linnaeus, 1758, *Serranus anthias* (Linnaeus, 1758)

ISPODA

Anilocra frontalis H. Milne Edwards, 1840⁽¹⁹⁸⁾

***Epinephelus aeneus* (Geoffroy Saint-Hilaire, 1817)
(White grouper)**

Synonym: *Chenia aenea* (Geoffroy Saint-Hilaire, 1817), *Cherna aenea* (Geoffroy Saint-Hilaire, 1817), *Epinephelus aenus* (Geoffroy Saint-Hilaire, 1817) (misspelling), *Perca robusta* Couch, 1832, *Serranus aeneus* Geoffroy Saint-Hilaire, 1817

NEMATODA

Hysterothylacium sp.⁽¹¹⁰⁾
Philometra lateolabracis (Yamaguti, 1935) Yamaguti, 1961⁽¹⁰⁶⁾
Philometra sp.⁽¹¹⁰⁾

CESTODA

Grillotia sp.⁽¹⁰⁶⁾
Trypanorhyncha sp.⁽¹¹⁰⁾

COPEPODA

Hatschekia petiti Nuñez-Ruivo, 1954⁽¹⁷⁸⁾
Sagum posteli Delamare Deboutteville & Nunes-Ruivo, 1954⁽¹⁸⁹⁾

ISPODA

Gnathia sp.⁽²¹⁷⁾

ANNELIDA

Trachelobdella lubrica (Grube, 1840)⁽²⁵¹⁾

***Epinephelus costae* (Steindachner, 1878)
(Goldblotch grouper)**

Synonym: *Cerna catalonica* Gibert, 1913, *Cerna chrysotaenia* Döderlein, 1882, *Epinephelus chrysotaenia* (Döderlein, 1882), *E. zaslavskii* Poll, 1949, *Mycteroperca costae* (Steindachner, 1878), *Plectropoma fasciatus* Costa, 1844, *Serranus chrysotaenia* (Döderlein, 1882), *Serranus costae* Steindachner, 1878

NEMATODA

Hysterothylacium sp.⁽¹¹⁰⁾
Philometra sp.⁽¹¹⁰⁾

CESTODA

Trypanorhyncha sp.⁽¹¹⁰⁾

ISOPODA

Gnathia sp.⁽²¹⁹⁾

***Epinephelus marginatus* (Lowe, 1834) (Dusky grouper)**

Synonym: *Cerna gigas* (Brünnich, 1768), *Cernua gigas* Costa, 1849, *Epinephelus brachysoma* Cope, 1871, *E. gigas* (Brünnich, 1768), *E. guaza* Anonymous, *Holocentrus gigas* (Brünnich, 1768), *Mycteroperca marginata* (Lowe, 1834), *Perca gigas* Brünnich, 1768, *Serranus aspersus* Jenyns, 1840, *S. cernioides* de Brito Capello, 1867, *S. fimbriatus* Lowe, 1838, *S. gigas* (Brünnich, 1768), *S. marginatus* Lowe, 1834

NEMATODA

Hysterothylacium sp.⁽¹¹⁰⁾
Philometra lateolabracis
(Yamaguti, 1935) Yamaguti, 1961⁽¹⁰⁶⁾⁽¹¹⁹⁾⁽¹²⁶⁾
Philometra sp.⁽¹¹⁰⁾⁽¹²⁷⁾

CESTODA

Grillotia sp.⁽¹⁰⁶⁾
Trypanorhyncha sp.⁽¹¹⁰⁾

ISOPODA

Gnathia sp.⁽²¹⁶⁾

***Mycteroperca rubra* (Bloch, 1793) (Mottled grouper)**

Synonym: *Cerna macrogenis* Sassi, 1846, *Epinephelus ruber* Bloch, 1793, *Mycteroperca scirenga* (Rafinesque, 1810), *Serranus armatus* Osório, 1893, *S. emarginatus* Valenciennes, 1843, *S. nebulosus* Cocco, 1833, *S. tinca* Cantraine, 1833, *Sparus scirenga* Rafinesque, 1810

NEMATODA

Philometra lateolabracis
(Yamaguti, 1935) Yamaguti, 1961⁽¹²⁶⁾
Philometra sp.⁽¹¹⁰⁾

CESTODA

Trypanorhyncha sp.⁽¹¹⁰⁾

***Serranus cabrilla* (Linnaeus, 1758) (Comber)**

Synonym: *Paracentropristis cabrilla* (Linnaeus, 1758), *Perca cabrilla* Linnaeus, 1758, *Serranus cabrilla* (Linnaeus, 1758) (misspelling), *Serranus knysnaensis* Gilchrist, 1904

ISOPODA

Anilocra sp.⁽¹⁹⁸⁾
Ceratothoa steindachneri
Koelbel, 1879⁽²⁰⁰⁾
Nerocila orbignyi (Guérin-Méneville, 1832)⁽²¹⁵⁾
Gnathia sp.⁽²¹⁸⁾

***Serranus hepatus* (Linnaeus, 1758) (Brown comber)**

Synonym: *Labrus fasciatus* Walbaum, 1792, *Labrus hepatus* Linnaeus, 1758, *Paracentropristis hepatus* (Linnaeus, 1758)

NEMATODA

Anisakis simplex (Rudolphi, 1809)⁽¹¹⁵⁾

COPEPODA

Anchistrotos laqueus Leigh-Sharpe, 1935⁽¹⁵²⁾

***Serranus scriba* (L., 1758) (Painted comber)**

Synonym: *Holocentrus argus* Spinola, 1807, *Holocentrus maroccanus* Bloch & Schneider, 1801, *Holocentrus moroccanus* Bloch & Schneider, 1801 (misspelling), *Paracentropristis scriba* (Linnaeus, 1758), *Perca marina* Linnaeus, 1758, *Perca scriba* Linnaeus, 1758, *Serranus papilionaceus* Valenciennes, 1832

ISOPODA

Anilocra frontalis H. Milne Edwards, 1840⁽¹⁹⁸⁾
Anilocra physodes (Linnaeus, 1758)⁽²⁰⁰⁾⁽²⁰³⁾

FAMILY SIGANIDAE

Siganus luridus (Rüppell, 1829) (Dusky spinefoot)

Synonym: *Amphacanthus abhortani* Valenciennes, 1835, *Amphacanthus luridus* Rüppell, 1829, *Teuthis lurida* (Rüppell, 1829)

MONOGENEA

Lamellodiscus sp.⁽⁴⁴⁾

FAMILY SOLEIDAE

Monochirus hispidus Rafinesque, 1814 (Whiskered sole)

Synonym: *Monochirus pegusa* Risso, 1827, *Pleuronectes trichodactylus* Nardo, 1824, *Solea monochir* Bonaparte, 1833

CESTODA

Scolex pleuronectis Müller, 1788⁽⁹⁸⁾

Pegusa nasuta (Pallas, 1814) (Blackhand sole)

Synonym: *Pegusa impar nasuta* (Pallas, 1814), *Pleuronectes nasutus* Pallas, 1814, *Solea bleekeri* Boulenger, 1898, *Solea cinerea* Guichenot, 1850, *Solea lascaris nasuta* (Pallas, 1814), *Solea nasuta* (Pallas, 1814)

CESTODA

Anthocephalum gracile (Wedl, 1855) Ruhnke, 1994⁽⁹⁸⁾
Bothriocephalus scorpii (Müller, 1776) Cooper, 1917⁽⁵⁹⁾
Phyllobothrium lactuca Van Beneden, 1850⁽⁵⁹⁾
Scolex pleuronectis Müller, 1788⁽⁵⁹⁾

ACANTHOCEPHALA

Acanthocephalus lucii (Mueller, 1776) Lühe 1911⁽⁵⁹⁾

ISOPODA

Nerocila acuminata Schiödte & Meinert, 1881⁽¹⁶²⁾
Nerocila bivittata (Risso, 1816)⁽¹⁶²⁾
Nerocila sp.⁽¹⁶²⁾

Solea solea (L., 1758) (Common sole)

Synonym: *Pleuronectes solea* Linnaeus, 1758, *Solea vulgaris* Quensel, 1806, *Solea vulgaris vulgaris* Quensel, 1806

TREMATODA

Helicometra sp.⁽⁸²⁾
Lecithochirium musculus (Looss, 1907) Nasir & Diaz, 1971⁽⁸²⁾⁽⁹²⁾
Metadena sp.⁽⁸²⁾

CESTODA

Bothriocephalus scorpii (Müller, 1776) Cooper, 1917⁽⁸⁶⁾⁽⁹⁰⁾
Didymobothrium rudolphii (Monticelli, 1890) Nybelin, 1922⁽³³⁾
Grillotia heptanchi (Vaulleuard, 1899) Dollfus, 1942⁽⁹⁰⁾
Grillotia sp.⁽⁸⁶⁾
Progrillotia dasyatidis Beveridge et Euzet, 2004⁽¹⁰⁴⁾
Progrillotia sp.⁽⁸²⁾
Scolex pleuronectis Müller, 1788⁽³³⁾⁽⁸²⁾⁽⁹⁰⁾⁽¹⁰⁴⁾
Tetraphyllidea (larvae)⁽³⁴⁾

NEMATODA

Capillaria (Procapillaria) gracilis (Bellingham, 1840) Travassos, 1915⁽⁸²⁾
Cucullanus campanae Lebre & Petter, 1984⁽⁸²⁾
Hysterothylacium aduncum (Rudolphi, 1802)⁽⁸²⁾⁽⁹⁰⁾⁽¹¹²⁾⁽¹³⁸⁾

COPEPODA

Caligus apodus (Brian, 1924)⁽¹⁵⁴⁾
Caligus breviceaudatus Scott A., 1901⁽¹⁵⁴⁾
Caligus solea Demirkale, Özak, Yanar & Boxshall, 2014⁽¹⁶⁸⁾

ISOPODA

Nerocila bivittata (Risso, 1816)⁽²¹³⁾
Nerocila orbignyi (Guérin-Méneville, 1832)⁽⁸²⁾⁽²¹⁴⁾
 ACANTHOCEPHALA
Acanthocephaloides propinquus (Dujard., 1845) Meyer, 1933⁽³³⁾⁽²⁴⁷⁾
Solearhynchus rhytidotes (Monticelli, 1905) Belofastova, 2006⁽³³⁾⁽⁸²⁾⁽²⁴⁷⁾

MYXOZOA
Ceratomyxa sp.⁽²²²⁾
Sinuolinea rebae Tripathi, 1948⁽⁴⁶⁾⁽²²¹⁾⁽²²²⁾⁽²²⁴⁾⁽²²⁵⁾

FAMILY SPARIDAE

Boops boops (L., 1758) (Bogue)

Synonym: *Boops canariensis* Valenciennes, 1839, *Box boops* (Linnaeus, 1758), *Box canariensis* (Valenciennes, 1839), *Box vulgaris* Valenciennes, 1830, *Sparus boops* Linnaeus, 1758

MONOGENEA
Choricotyle chrysophri Van Beneden & Hesse, 1863⁽⁴⁰⁾
Cyclocotyla bellones Otto, 1823⁽⁵⁹⁾⁽⁶⁰⁾⁽⁶¹⁾
Microcotyle erythrini Van Beneden & Hesse, 1863⁽⁵⁹⁾⁽⁶⁰⁾

TREMATODA
Aphanurus stossichii (Monticelli, 1891) Looss, 1907⁽⁵⁸⁾⁽⁵⁹⁾⁽⁶⁰⁾⁽⁷⁴⁾⁽⁹¹⁾
Bacciger bacciger (Rudolphi, 1819) Nicoll, 1914⁽⁵⁸⁾⁽⁵⁹⁾⁽⁶⁰⁾
Bacciger israelensis Fischthal, 1980⁽⁷⁴⁾
Hemiurus communis Odhner, 1905⁽⁵⁸⁾⁽⁵⁹⁾⁽⁶⁰⁾
Lepocreadium album (Stossich, 1890) Stossich, 1904⁽⁵⁸⁾⁽⁵⁹⁾⁽⁶⁰⁾⁽⁷⁴⁾

CESTODA
Scolex pleuronectis Müller, 1788⁽⁵⁸⁾⁽⁵⁹⁾⁽⁶⁰⁾⁽⁹⁸⁾

NEMATODA

Anisakis simplex (Rudolphi, 1809)⁽⁵⁸⁾⁽⁵⁹⁾
Hysterothylacium aduncum (Rudolphi, 1802)⁽¹³⁹⁾
Hysterothylacium fabri (Rudolphi, 1819) Deardorff & Overstreet, 1980⁽⁵⁸⁾⁽⁵⁹⁾⁽⁶⁰⁾⁽¹¹⁵⁾⁽¹³⁹⁾
Hysterothylacium reliquens (Norris & Overstreet, 1975) Deardorff & Overstreet, 1981⁽¹³⁹⁾

COPEPODA

Lernaea sp.⁽⁵⁸⁾⁽⁵⁹⁾⁽⁶⁰⁾

ISOPODA

Anilocra frontalis H. Milne Edwards, 1840⁽¹⁵⁸⁾⁽¹⁹⁵⁾⁽¹⁹⁷⁾
Anilocra physodes (Linnaeus, 1758)⁽⁵⁹⁾⁽⁶⁰⁾⁽¹⁹⁷⁾
Ceratothoa capri (Trilles, 1964)⁽¹⁶²⁾⁽¹⁹⁷⁾
Ceratothoa oestroides (Risso, 1816)⁽⁵⁸⁾⁽⁵⁹⁾⁽⁶⁰⁾⁽¹⁶²⁾⁽¹⁹⁷⁾
Ceratothoa parallela (Otto, 1828)⁽⁵⁸⁾⁽⁵⁹⁾⁽⁶⁰⁾⁽⁶¹⁾⁽¹⁶²⁾⁽¹⁹⁶⁾⁽¹⁹⁷⁾⁽²⁰¹⁾
Ceratothoa sp.⁽⁵⁸⁾⁽⁵⁹⁾⁽⁶⁰⁾

Dentex dentex (L., 1788) (Common dentex)

Synonym: *Dentex vulgaris* Valenciennes, 1830, *Sparus dentex* Linnaeus, 1758

TREMATODA

Lepidauchen stenostoma Nicoll, 1913⁽⁵⁸⁾⁽⁵⁹⁾

NEMATODA

Hysterothylacium sp.⁽¹¹⁰⁾

COPEPODA

Caligus vexator Heller, 1865⁽¹⁷⁰⁾

ISOPODA

Anilocra physodes (Linnaeus, 1758)⁽¹⁸⁴⁾
Gnathia sp.⁽⁵⁸⁾

Dentex macrophthalmus (Bloch, 1791) (Large-eye dentex)

Synonym: *Dentex macrophthalmus* Poll, 1971, *Dentex macrophthalmus* (Bloch, 1791) (misspelling), *Opsodentex macrophthalmus* (Bloch,

1791), *Polysteganus macrophthalmus* (Bloch, 1791) *Sparus macrophthalmus* Bloch, 1791

ISOPODA

Anilocra physodes (Linnaeus, 1758)⁽¹⁵⁸⁾⁽²⁰³⁾

Nerocila bivittata (Risso, 1816)⁽²⁰³⁾

***Diplodus annularis* (L., 1758) (Annular seabream)**

Synonym: *Sargus annularis* (Linnaeus, 1758), *Sciaena melanura* Pallas, 1814, *Sparus annularis* Linnaeus, 1758, *Sparus sparlotus* Rafinesque, 1810, *Sparus sparulus* Lacepède, 1802

MONOGENEA

Lamellodiscus elegans

Bychowsky, 1957⁽⁴⁶⁾

Lamellodiscus fraternus

Bychowsky, 1957⁽⁴⁶⁾

Atrispinum seminalis (Euzet & Maillard, 1973)⁽⁴⁰⁾

TREMATODA

Arnola microcirrus (Vlasenko, 1931) Yamaguti, 1958⁽⁷⁰⁾

Monorchis parvus Looss, 1902⁽⁷⁰⁾

Lepocreadium album (Stossich, 1890) Stossich, 1904⁽⁵⁸⁾⁽⁵⁹⁾⁽⁷⁴⁾

NEMATODA

Anisakis simplex (Rudolphi, 1809)⁽⁵⁸⁾⁽⁵⁹⁾

Hysterothylacium fabri (Rudolphi, 1819) Deardorff & Overstreet, 1980⁽⁵⁸⁾⁽⁵⁹⁾⁽¹¹⁵⁾

COPEPODA

Lernaea sp.⁽⁵⁸⁾⁽⁵⁹⁾

Hatschekia pagellibogueravei (Hesse, 1878)⁽⁵⁸⁾⁽⁵⁹⁾

ISOPODA

Anilocra physodes (Linnaeus, 1758)⁽⁵⁸⁾⁽⁵⁹⁾⁽¹⁵⁸⁾

Armadillidium nasatum Budde-Lund, 1885⁽¹⁹⁴⁾

Ceratothoa capri (Trilles, 1964)⁽²⁰²⁾

Ceratothoa oestroides (Risso, 1816)⁽⁵⁸⁾⁽⁵⁹⁾

Ceratothoa parallela (Otto, 1828)⁽⁵⁸⁾⁽⁵⁹⁾

Ceratothoa sp.⁽⁵⁸⁾⁽⁵⁹⁾

Gnathia sp.⁽⁵⁸⁾⁽⁵⁹⁾

MYXOZOA

Myxobolus muelleri Bütschli, 1882⁽²²²⁾⁽²²⁴⁾⁽²²⁵⁾

***Diplodus cervinus* (Lowe, 1838) (Zebra seabream)**

Synonym: *Charax cervinus* Lowe, 1838, *Diplodus trifasciatus* (Rafinesque, 1810), *Sargus cervinus* (Lowe, 1838), *Sargus trifasciatus* (Rafinesque, 1810), *Sparus trifasciatus* Rafinesque, 1810

NEMATODA

Hysterothylacium sp.⁽¹¹⁰⁾

***Diplodus puntazzo* (Walbaum, 1792) (Sharpsnout seabream)**

Synonym: *Charax puntazzo* (Walbaum, 1792), *Charax puntazzo* var. *ponticus* Nordmann, 1840, *Puntazzo annularis* Bleeker, 1876, *Puntazzo puntazzo* (Walbaum, 1792), *Sargus puntazzo* (Walbaum, 1792), *Sparus oxyrhynchus* Nardo, 1827, *Sparus puntazzo* Cetti, 1777, *Sparus puntazzo* Walbaum, 1792

MONOGENEA

Lamellodiscus ignoratus Palombi, 1943⁽¹²⁰⁾

ISOPODA

Ceratothoa capri (Trilles, 1964)⁽²⁰²⁾

Ceratothoa oestroides (Risso, 1816)⁽⁴¹⁾

Nerocila sp.⁽¹⁶²⁾

***Diplodus sargus* (Linnaeus, 1758) (White seabream)**

Synonym: *Diplodus rondeletii* Valenciennes in Cuvier & Valenciennes, 1830, *Sargus rondeletii*

Valenciennes, 1830, *Sargus vetula*
 Valenciennes, 1830, *Sparus cinctus*
 Walbaum, 1792, *Sparus sargus*
 Linnaeus, 1758, *Sparus varatulus*
 Rafinesque, 1810

MONOGENEA

Lamellodiscus echeneis
 (Wagener, 1857)⁽⁴¹⁾⁽⁴⁵⁾
Lamellodiscus ignoratus
 Palombi, 1943⁽⁴⁵⁾
Lamellodiscus sp.⁽⁴⁴⁾
Microcotyle erythrini Van
 Beneden & Hesse, 1863⁽⁵⁸⁾⁽⁵⁹⁾

TREMATODA

Ectenurus lepidus Looss,
 1907⁽⁵⁸⁾⁽⁵⁹⁾
Lepocreadium album (Stossich,
 1890) Stossich, 1904⁽⁵⁸⁾⁽⁵⁹⁾

NEMATODA

Dichelyne (Cucullanellus)
tripapillatus (Gendre,
 1927)⁽⁵⁸⁾⁽⁵⁹⁾
Hysterothylacium sp.⁽¹¹⁰⁾

COPEPODA

Clavellotis fallax (Heller,
 1865)⁽⁵⁸⁾
Clavellopsis sp.⁽⁵⁹⁾

ISOPODA

Anilocra physodes (Linnaeus,
 1758)⁽⁵⁸⁾⁽⁵⁹⁾
Gnathia sp.⁽⁵⁸⁾

***Diplodus vulgaris* (Geoffroy, 1817) (Common two-banded seabream)**

Synonym: *Sargus salviani*
 Valenciennes, 1830, *Sargus vulgaris*
 Geoffroy Saint-Hilaire, 1817, *Sparus*
aldrovandi Nardo, 1827

MONOGENEA

Atrispinum seminalis (Euzet &
 Maillard, 1973)⁽⁴⁰⁾
Lamellodiscus sp.⁽⁴⁴⁾

TREMATODA

Lepocreadium album (Stossich,
 1890) Stossich, 1904⁽⁵⁸⁾⁽⁵⁹⁾⁽⁷⁴⁾

NEMATODA

Dichelyne (Cucullanellus)
tripapillatus (Gendre,
 1927)⁽⁵⁸⁾⁽⁵⁹⁾

Hysterothylacium aduncum
 (Rudolphi, 1802)⁽¹³⁸⁾
Hysterothylacium sp.⁽¹¹⁰⁾

COPEPODA

Clavellotis sp.⁽¹⁸¹⁾
Lernaeolophus sultanus (Milne
 Edwards, 1840)⁽¹⁸²⁾
Paragnathia formica (Hesse,
 1864)⁽¹⁸¹⁾

ISOPODA

Anilocra physodes (Linnaeus,
 1758)⁽⁵⁸⁾⁽⁵⁹⁾⁽¹⁹⁸⁾
Ceratothoa oestroides (Risso,
 1816)⁽⁵⁸⁾⁽⁵⁹⁾
Gnathia sp.⁽⁵⁸⁾⁽⁵⁹⁾⁽²¹⁸⁾

ACANTHOCEPHALA

Acanthocephalus lucii (Mueller,
 1776) Lühe 1911⁽⁵⁹⁾
Acanthocephalus sp.⁽⁵⁸⁾

ANNELIDA

Trachelobdella lubrica (Grube,
 1840)⁽²⁵¹⁾

***Lithognathus mormyrus* (L., 1758) (Sand steenbras)**

Synonym: *Pagellus goreensis*
 Valenciennes, 1830, *Pagellus*
mormyrus (Linnaeus, 1758), *Sparus*
mormyrus Linnaeus, 1758

TREMATODA

Holorchis pycnopus Stossich,
 1901⁽⁵⁸⁾⁽⁵⁹⁾⁽⁷⁴⁾

COPEPODA

Caligus ligusticus Brian,
 1906⁽¹⁵⁸⁾
Clavellotis biani Benmansour,
 Ben Hassine, Diebakate &
 Raibaut, 2001⁽¹⁷⁹⁾

ISOPODA

Anilocra frontalis H. Milne
 Edwards, 1840⁽¹⁹⁵⁾
Anilocra physodes (Linnaeus,
 1758)⁽¹⁹⁵⁾
Ceratothoa oestroides (Risso,
 1816)⁽⁴¹⁾
Gnathia sp.⁽⁵⁸⁾

***Oblada melanura* (L., 1758) (Saddled seabream)**

Synonym: *Oblata melanura*
(Linnaeus, 1758) (misspelling),
Sparus melanurus Linnaeus, 1758

MONOGENEA

Microcotyle erythrini Van
Beneden & Hesse, 1863⁽⁵⁸⁾⁽⁵⁹⁾
Microcotyle sp.⁽⁴⁴⁾

TREMATODA

Lepocreadium album (Stossich,
1890) Stossich, 1904⁽⁵⁸⁾⁽⁵⁹⁾

NEMATODA

Anisakis simplex (Rudolphi,
1809)⁽⁵⁸⁾⁽⁵⁹⁾
Dichelyne (*Cucullanellus*)
tripapillatus (Gendre, 1927)⁽⁵⁸⁾
Hysterothylacium fabri
(Rudolphi, 1819) Deardorff &
Overstreet, 1980⁽⁵⁸⁾⁽⁵⁹⁾

COPEPODA

Lernaea sp.⁽⁵⁸⁾⁽⁵⁹⁾

ISOPODA

Anilocra frontalis H. Milne
Edwards, 1840⁽¹⁹⁵⁾
Anilocra physodes (Linnaeus,
1758)⁽⁵⁸⁾
Ceratothoa sp.⁽⁵⁸⁾

***Pagellus acarne* (Risso, 1827)**
(Axillary seabream)

Synonym: *Pagrus acarne* Risso,
1827, *Pagellus acerna* (Risso, 1827)
(misspelling)

MONOGENEA

Atrispinum acarne Maillard &
Noisy, 1979⁽⁴⁰⁾

TREMATODA

Pachycreadium carnosum
(Rudolphi, 1819) Cortini &
Ferretti, 1959⁽⁷⁴⁾

NEMATODA

Hysterothylacium fabri
(Rudolphi, 1819) Deardorff &
Overstreet, 1980⁽¹¹⁵⁾

***Pagellus erythrinus* (L., 1758)**
(Common pandora)

Synonym: *Pagellus canariensis*

Valenciennes, 1838, *Sparus*
erythrinus Linnaeus, 1758

MONOGENEA

Choricotyle chrysophri Van
Beneden & Hesse, 1863⁽⁵⁸⁾⁽⁵⁹⁾
Microcotyle erythrini Van
Beneden & Hesse, 1863⁽⁵⁸⁾⁽⁵⁹⁾

TREMATODA

Helicometra fasciata (Rudolphi,
1819) Odhner, 1902⁽⁵⁸⁾⁽⁵⁹⁾⁽⁷⁴⁾

NEMATODA

Anisakis simplex (Rudolphi,
1809)⁽⁵⁸⁾⁽⁵⁹⁾
Philometra filiformis (Stossich,
1898) Yorke & Maplestone,
1926⁽¹²⁶⁾
Hysterothylacium aduncum
(Rudolphi, 1802)⁽¹¹⁵⁾⁽¹⁴¹⁾
Hysterothylacium fabri
(Rudolphi, 1819) Deardorff &
Overstreet, 1980⁽⁵⁸⁾⁽⁵⁹⁾
Hysterothylacium sp.⁽¹¹⁰⁾

COPEPODA

Clavellotis fallax (Heller,
1865)⁽⁵⁸⁾
Clavellopsis sp.⁽⁵⁹⁾
Clavellotis strumosa (Brian,
1906)⁽¹⁸⁰⁾
Parabrachiella exigua (Brian,
1906)⁽¹⁸²⁾
Hatschekia sp.⁽⁵⁸⁾⁽⁵⁹⁾
Lernaea sp.⁽⁵⁸⁾⁽⁵⁹⁾

ISOPODA

Anilocra frontalis H. Milne
Edwards, 1840⁽¹⁹⁵⁾⁽¹⁷⁸⁾
Paragnathia formica (Hesse,
1864)⁽²⁰³⁾
Gnathia sp.⁽²¹⁸⁾

***Pagellus* sp.**

Synonym: -

ISOPODA

Anilocra physodes (Linnaeus,
1758)⁽²⁰¹⁾
Nerocila bivittata (Risso,
1816)⁽²⁰¹⁾⁽²⁰⁴⁾

***Pagrus auriga* Valenciennes, 1843**
(Redbanded seabream)

Synonym: *Argyrops auriga* (Valenciennes, 1843), *Semapagrus auriga* (Valenciennes, 1843), *Sparus auriga* (Valenciennes, 1843)

NEMATODA

Hysterothylacium sp.⁽¹¹⁰⁾

***Pagrus caeruleostictus*
(Valenciennes, 1830)
(Bluespotted seabream)**

Synonym: *Chrysophrys caeruleosticta* Valenciennes, 1830, *Pagrus bertheloti* Valenciennes, 1843, *Pagrus caeruleostictus* (Valenciennes, 1830) (misspelling), *Pagrus coeruleostictus* (Valenciennes, 1830) (misspelling), *Sparus caeruleostictus* (Valenciennes, 1830), *Sparus caeruleostictus* (Valenciennes, 1830) (misspelling), *Sparus coeruleostictus* (Valenciennes, 1830) (misspelling)

NEMATODA

Hysterothylacium sp.⁽¹¹⁰⁾

***Pagrus pagrus* (Linnaeus, 1758)
(Red porgy)**

Synonym: *Pagrus pagrus pagrus* (Linnaeus, 1758), *Pagrus sedecim* Ginsburg, 1952, *Pagrus vulgaris* Valenciennes, 1830, *Pargus sedecim* Ginsburg, 1952 (misspelling), *Sparus pagrus* Linnaeus, 1758

TREMATODA

Lepidauchen stenostoma Nicoll, 1913⁽⁵⁸⁾⁽⁵⁹⁾

Allopodocotyle pedicellata (Stossich, 1887) Pritchard, 1966⁽⁵⁸⁾⁽⁵⁹⁾

ISOPODA

Gnathia sp.⁽⁵⁸⁾

***Sarpa salpa* (Linnaeus, 1758)
(Salema)**

Synonym: *Boops goreensis* (Valenciennes, 1830), *Boops salpa* (Linnaeus, 1758), *Box goreensis*

Valenciennes, 1830, *Box salpa* (Linnaeus, 1758), *Eusalpa salpa* (Linnaeus, 1758), *Sparus salpa* Linnaeus, 1758

MONOGENEA

Atrispinum salpae (Parona & Perugia, 1890)⁽⁴⁰⁾

Microcotyle erythrini Van Beneden & Hesse, 1863⁽⁵⁸⁾⁽⁵⁹⁾

TREMATODA

Allocreadium sp.⁽⁵⁸⁾⁽⁵⁹⁾

Centroderma sp.⁽⁸⁸⁾

Robphildollfusium fractum

(Rudolphi, 1819) Paggi &

Orecchia, 1963⁽⁸⁸⁾

Elstia stossichianum (Monticelli, 1892) Bray, 1984⁽⁷⁴⁾

Mesometra brachycoelia Lühe 1901⁽⁸⁸⁾

Mesometra orbicularis (Rudolphi 1819)⁽⁷⁴⁾⁽⁸⁸⁾

COPEPODA

Clavellotis fallax (Heller, 1865)⁽⁵⁸⁾

ISOPODA

Ceratothoa sp.⁽⁵⁸⁾

Gnathia sp.⁽²¹⁸⁾

***Sparus aurata* L., 1758
(Gilthead seabream)**

Synonym: *Aurata aurata* (Linnaeus, 1758), *Chrysophrys aurata* (Linnaeus, 1758), *Chrysophrys aurathus* (Linnaeus, 1758) (misspelling), *Chrysophrys auratus* (Linnaeus, 1758), *Chrysophrys crassirostris* Valenciennes, 1830, *Pagrus auratus* (Linnaeus, 1758), *Sparus auratus* Linnaeus, 1758 (misspelling)

MYZOOA

Amyloodinium ocellatum (Brown, 1931)⁽²⁸⁾

CILIOPHORA

Trichodina domerguei

Wallengren, 1897⁽¹⁴⁾

Cryptocaryon irritans Brown, 1951⁽²⁸⁾

MONOGENEA

Dactylogyrus sp.⁽¹⁴⁾

- Microcotyle* sp.⁽⁴⁷⁾
Lamellodiscus echeneis
 (Wagener, 1857)⁽⁴¹⁾⁽⁴⁵⁾
Lamellodiscus elegans
 Bychowsky, 1957⁽²⁸⁾
Lamellodiscus ignoratus
 Palombi, 1943⁽⁴⁵⁾
Lamellodiscus sp.⁽⁴⁷⁾
Sparicotyle chrysophrii (Van
 Beneden & Hesse, 1863)
 Mamaev, 1984⁽²⁸⁾⁽⁴¹⁾
- NEMATODA
Hysterothylacium aduncum
 (Rudolphi, 1802)⁽¹¹⁸⁾⁽¹³⁵⁾⁽¹³⁸⁾
Hysterothylacium sp.⁽¹¹⁰⁾
- ISOPODA
Anilocra physodes (Linnaeus,
 1758)⁽¹⁷⁶⁾⁽²⁰³⁾
Ceratothoa capri (Trilles,
 1964)⁽²⁰²⁾
Ceratothoa oestroides (Risso,
 1816)⁽⁴¹⁾
Ceratothoa parallela (Otto,
 1828)⁽²⁰³⁾
- SpondylIOSoma cantharus* (L., 1758)**
(Black seabream)
- Synonym:** *Cantharus brama*
 Valenciennes in Cuvier &
 Valenciennes, 1830, *C. cantharus*
 (Linnaeus, 1758), *C. griseus*
 Valenciennes in Cuvier &
 Valenciennes, 1830, *C. lineatus*
 (Montagu, 1818), *C. orbicularis*
 Valenciennes in Cuvier &
 Valenciennes, 1830, *C. senegalensis*
 Valenciennes, 1830, *C. vulgaris*
 Valenciennes, 1830, *Sparus cantharus*
 Linnaeus, 1758, *Sparus lineatus*
 Montagu, 1818, *SpondylIOSoma*
cantarus (Linnaeus, 1758)
 (misspelling)
- MONOGENEA
Choricotyle chrysophri Van
 Beneden & Hesse, 1863⁽⁴⁰⁾
- TREMATODA
Bivagina alcedinis (Parona &
 Perugia, 1889) Yamaguti,
 1963⁽⁴⁰⁾
- Lepocreadium album* (Stossich,
 1890) Stossich, 1904⁽⁵⁸⁾⁽⁵⁹⁾⁽⁷⁴⁾
- CESTODA
Scolex pleuronectis Müller,
 1788⁽⁵⁸⁾⁽⁵⁹⁾
- NEMATODA
Hysterothylacium fabri
 (Rudolphi, 1819) Deardorff &
 Overstreet, 1980⁽⁵⁸⁾⁽⁵⁹⁾
- COPEPODA
Clavellotis fallax (Heller,
 1865)⁽⁵⁸⁾
Clavellopsis sp.⁽⁵⁹⁾
- ISOPODA
Anilocra physodes (Linnaeus,
 1758)⁽⁵⁸⁾
Ceratothoa oestroides (Risso,
 1816)⁽²⁰⁶⁾
- FAMILY SPHYRAENIDAE**
- Sphyraena chrysotaenia* Klunzinger,**
1884
(Yellowstripe barracuda)
- Synonym:** *Sphyraenella chrysotaenia*
 (Klunzinger, 1884)
- ISOPODA
Anilocra frontalis H. Milne
 Edwards, 1840⁽¹⁹⁵⁾
- Sphyraena sphyraena* (L., 1758)**
(European barracuda)
- Synonym:** *Esox spet* Haüy, 1787,
Esox sphyraena Linnaeus, 1758,
Sphyraena bocagei Osório, 1891,
Sphyraena spet Lacepède, 1803,
Sphyraena sphyraena bocagei Osório,
 1891, *Sphyraena vulgaris* Cuvier,
 1829
- MONOGENEA
Anthocotyle merlucci Van
 Beneden & Hesse, 1863⁽⁴⁰⁾
- NEMATODA
Anisakis simplex (Rudolphi,
 1809)⁽¹¹⁵⁾
- COPEPODA
Bomolochus unicirrus Richiardi,
 1880⁽¹⁴⁸⁾

ISOPODA

Anilocra frontalis H. Milne
Edwards, 1840⁽¹⁹⁹⁾

FAMILY TETRAODONTIDAE

Lagocephalus spadiceus
(Richardson, 1845)
(Half-smooth golden pufferfish)

Synonym: *Gastrophysus spadiceus*
(Richardson, 1845), *Sphaeroides*
spadiceus (Richardson, 1845)
(misspelling), *Spheroides spadiceus*
(Richardson, 1845) (misspelling),
Sphoeroides spadiceus (Richardson,
1845), *Tetrodon spadiceus*
Richardson, 1845 (misspelling)

COPEPODA

Taeniacanthus lagocephali
Pearse, 1952⁽¹⁵¹⁾
Caligus lagocephali Pillai,
1961⁽¹⁵¹⁾

***Lagocephalus suezensis* Clark &
Gohar, 1953**

Synonym: -

COPEPODA

Caligus lagocephali Pillai,
1961⁽¹⁵¹⁾

FAMILY SYNGNATHIDAE

***Syngnathus acus* L., 1758**
(Greater pipefish)

Synonym: *Dermatostethus*
punctipinnis Gill, 1862, *Syngnathus*
acus (Linnaeus, 1758), *Syngnathus*
alternans Günther, 1870, *Syngnathus*
brachyrhynchus Kaup, 1856,
Syngnathus delalandi Kaup, 1856,
Syngnathus rubescens Risso, 1810,
Typhle heptagonus Rafinesque, 1810

CILIOPHORA

Trichodina sp.⁽¹⁸⁾

NEMATODA

Hysterothylacium aduncum
(Rudolphi, 1802)⁽¹¹²⁾

***Syngnathus* sp.**

Synonym: -

ISOPODA

Nerocila bivittata (Risso,
1816)⁽¹⁶²⁾⁽²¹¹⁾
Nerocila sp.⁽¹⁶²⁾

FAMILY TRACHINIDAE

***Trachinus araneus* Cuvier, 1829**
(Spotted weever)

Synonym: -

MONOGENEA

Pauciconfibula trachini (Parona
& Perugia, 1889) Dilllon &
Hargis, 1965⁽⁴⁰⁾
Microcotyle erythrini Van
Beneden & Hesse, 1863⁽⁵⁹⁾

CESTODA

Anthocephalum gracile (Wedl,
1855) Ruhnke, 1994⁽⁹⁸⁾
Bothriocephalus scorpii (Müller,
1776) Cooper, 1917⁽⁹⁸⁾
Phyllobothrium lactuca Van
Beneden, 1850⁽⁵⁹⁾
Scolex pleuronectis Müller,
1788⁽⁹⁸⁾

***Trachinus draco* (L., 1758)**
(Greater weever)

Synonym: *Trachinus lineatus* Bloch
& Schneider, 1801

MONOGENEA

Pauciconfibula trachini (Parona
& Perugia, 1889) Dilllon &
Hargis, 1965⁽⁶⁷⁾

TREMATODA

Helicometra fasciata (Rudolphi,
1819) Odhner, 1902⁽⁶⁷⁾

CESTODA

Bothriocephalus scorpii (Müller,
1776) Cooper, 1917⁽⁶⁷⁾

NEMATODA

Hysterothylacium aduncum
(Rudolphi, 1802)⁽¹¹²⁾

Hysterothylacium fabri
(Rudolphi, 1819) Deardorff &
Overstreet, 1980⁽⁶⁷⁾⁽¹¹⁵⁾⁽¹³⁷⁾

ISOPODA

Nerocila bivittata (Risso,
1816)⁽²¹²⁾

ANNELIDA

Stibarobdella macrothela
(Schmarda, 1861)⁽⁶⁷⁾

FAMILY TRIGLIDAE

***Chelidonichthys lucerna* (L., 1758)
(Tub gurnard)**

Synonym: *Chelidonichthys lucernus*
(Linnaeus, 1758) (misspelling),
Chlidonichthys lucernus (Linnaeus,
1758) (misspelling), *Trigla corax*
Bonaparte, 1834, *T. corvus*
Rafinesque, 1810, *T. hirundo*
Linnaeus, 1758, *Trigla lucerna*
Linnaeus, 1758

MONOGENEA

Plectanocotyle gurnardi (Van
Beneden & Hesse, 1863)
Llewellyn, 1941 (Beneden and
Hesse, 1863)⁽⁴⁰⁾

TREMATODA

Helicometra fasciata (Rudolphi,
1819) Odhner, 1902⁽⁵⁹⁾
Lecithochirium musculus (Looss,
1907) Nasir & Diaz, 1971⁽⁹²⁾

CESTODA

Scolex pleuronectis Müller,
1788⁽¹⁰⁴⁾

COPEPODA

Caligus breviceudatus Scott A.,
1901⁽¹⁵⁵⁾
Caligus diaphanus Von
Nordmann, 1832⁽¹⁵⁶⁾
Parabrachiella bispinosa
(Nordmann, 1832)⁽¹⁸²⁾
Thysanote impudica (Nordmann,
1832)⁽¹⁴⁹⁾

***Eutrigla gurnardus* (L., 1758)
(Grey gurnard)**

Synonym: *Chelidonichthys*
gurnardus (Linnaeus, 1758), *Eutrigla*
gurnardus gurnardus (Linnaeus,
1758), *Eutrigla gurnardus milvus*
(Lacepède, 1801), *Eutriglia*
gurnardus (Linnaeus, 1758)
(misspelling), *Trigla gurnardus*
Linnaeus, 1758, *Trigla milvus*
Lacepède, 1801

MONOGENEA

Trochopus gaillimhe Little,
1829⁽³³⁾
Trochopus pini (Van Beneden &
Hesse, 1863) Massa, 1903⁽³⁴⁾

CESTODA

Scolex pleuronectis Müller,
1788⁽³³⁾
Tetraphyllidea (larvae)⁽³⁴⁾

ACANTHOCEPHALA

Acanthocephaloides propinquus
(Dujard., 1845) Meyer, 1933⁽³³⁾

FAMILY TRIPTERYGIIDAE

***Tripterygion delaisi* Cadenat &
Blache, 1970
(Black-faced blenny)**

Synonym: *Tripterygion atlanticus*
Wheeler & Dunne, 1975, *Tripterygion*
delaisi delaisi Cadenat & Blache,
1970, *Tripterygion delaisi*
xanthosoma Zander & Heymer, 1970,
Tripterygion xanthosoma Zander &
Heymer, 1970

ISOPODA

Anilocra frontalis H. Milne
Edwards, 1840⁽¹⁹⁸⁾

***Tripterygion melanurum*
Guichenot, 1850**

Synonym: *Tripterygion melanurus*
Guichenot, 1850 (misspelling),
Tripterygion melanurus melanurus
Guichenot, 1850 (misspelling)
Tripterygion melanurus minor
(Kolombatovic, 1892) (misspelling),
Tripterygion minor (Kolombatovic,
1892), *Tripterygium minor*
Kolombatovic, 1892

ISOPODA

Anilocra sp.⁽¹⁹⁸⁾

FAMILY URANOSCOPIDAE

***Uranoscopus scaber* L., 1758**
(Stargazer)

Synonym: *Uranoscopus bufo*
Valenciennes, 1843, *Uranoscopus*
occidentalis Agassiz, 1831

MONOGENEA

Tetraonchoides paradoxus
Bychowsky, 1951⁽³⁴⁾⁽⁵⁵⁾

TREMATODA

Anisocladium fallax (Rudolphi,
1819) Looss, 1902⁽³³⁾⁽⁵⁵⁾⁽⁵⁹⁾⁽⁷²⁾
(74)(75)

Anisocladium gracile (Looss,
1901) Looss, 1902⁽⁵⁵⁾⁽⁷⁵⁾

Anisocoelium capitellatum
(Rudolphi, 1819) Lühe,
1900⁽³³⁾⁽⁵⁵⁾⁽⁷²⁾⁽⁷⁵⁾

Galactosomum lacteum
(Jägerskiöld, 1896) Looss,
1899⁽⁵⁵⁾

Stephanostomum minutum
(Looss, 1901) Manter, 1940⁽⁵⁵⁾
(74)(75)

CESTODA

Progrillotia dasyatidis
Beveridge et Euzet, 2004⁽⁷⁵⁾

NEMATODA

Anisakis simplex (Rudolphi,
1809)⁽¹¹⁵⁾

Philometra globiceps (Rudolphi,
1819)⁽⁵⁵⁾⁽¹¹²⁾

Hysterothylacium aduncum
(Rudolphi, 1802)⁽⁵⁵⁾⁽¹¹²⁾
Hysterothylacium fabri
(Rudolphi, 1819) Deardorff &
Overstreet, 1980⁽⁵⁵⁾

ISOPODA

Nerocila acuminata Schiödte &
Meinert, 1881⁽¹⁶²⁾
Nerocila bivittata (Risso,
1816)⁽¹⁶²⁾

ACANTHOCEPHALA

Acanthocephaloides propinquus
(Dujard., 1845) Meyer, 1933⁽³³⁾
(247)

FAMILY XIPHIIDAE

***Xiphias gladius* L., 1758**
(Swordfish)

Synonym: *Phaethonichthys*
tuberculatus Nichols, 1923,
Tetrapterus imperator (Bloch &
Schneider, 1801), *Xiphasia gladius*
(Linnaeus, 1758) (misspelling),
Xiphias estara Phillipps, 1932, *X.*
gladius estara Phillipps, 1932, *X.*
imperator Bloch & Schneider, 1801,
X. rondeletii Leach, 1814, *X.*
rondeletti Leach, 1814, *X. thermaicus*
Serbetis, 1951

MONOGENEA

Capsala laevis (Verrill, 1875)
Johnston, 1929⁽³¹⁾

Tristoma coccineum Cuvier,
1817⁽³²⁾

Tristoma integrum Diesing,
1850⁽³²⁾

COPEPODA

Pennella filosa (Linnaeus,
1758)⁽¹⁹¹⁾

Pennella instructa Wilson,
1917⁽³²⁾⁽¹⁹²⁾⁽¹⁹³⁾

FAMILY ZEIDAE

***Zeus faber* L., 1758**
(John dory)

Synonym: *Zeus australis* Richardson,
1845, *Z. faber mauritanicus*
Desbrosses, 1937, *Z. japonicus*

Valenciennes, 1835, *Z. pungio* Cuvier, 1829, *Zeuss japonicus* Valenciennes, 1835 (misspelling)

NEMATODA

Anisakis pegreffii Campana-Rouget & Biocca, 1955⁽¹¹⁴⁾
Anisakis Type I⁽¹²¹⁾
Anisakis simplex (Rudolphi, 1809)⁽¹¹⁵⁾

COPEPODA

Caligus zei Norman & Scott T., 1906⁽¹⁷¹⁾

ISOPODA

Ceratothoa oestroides (Risso, 1816)⁽²⁰³⁾
Ceratothoa parallela (Otto, 1828)⁽²⁰³⁾

CLASS

ELASMOBRANCHII

FAMILY DASYATIDAE

***Dasyatis pastinaca* (Linnaeus, 1758)
(Common stingray)**

Synonym: *Dasyatis pastinacus* (Linnaeus, 1758) (misspelling), *Dasyatis pestinaca* (Linnaeus, 1758) (misspelling), *Dasyatis ujo* Rafinesque, 1810, *Dasybatus pastinaca* (Linnaeus, 1758), *Pastinaca laevis* Gronow, 1854, *Pastinaca olivacea* Swainson, 1839, *Raja pastinaca* Linnaeus, 1758, *Trygon pastinaca* (Linnaeus, 1758), *Trygon vulgaris* Risso, 1827, *Trygon vulgaris pastinaca* (Linnaeus, 1758)

MONOGENEA

Benedenia sp.⁽³⁰⁾

ANNELIDA

Pontobdella muricata Linnaeus, 1758⁽²⁴⁸⁾

***Dasyatis* sp.**

Synonym: -

CESTODA

Acanthobothrium coronatum (Rudolphi, 1819) Blanchard, 1848⁽⁹⁸⁾

NEMATODA

Echinocephalus sp.⁽¹¹⁵⁾

FAMILY MYLIOBATHIDAE

***Aetomylaeus bovinus* (Geoffroy Saint-Hilaire, 1817)
(Bull ray)**

Synonym: *Aetomylaeus huletti* Smith, 1953, *Aetomylus huletti* Smith, 1953, *Myliobates episcopus* Valenciennes, 1844, *Myliobatis bonaparti* Duméril, 1865, *Myliobatis bovina* Geoffroy Saint-Hilaire, 1817, *Pteromylaeus bovinus* (Geoffroy Saint-Hilaire, 1817)

COPEPODA

Lepeophtheirus acutus Heegaard, 1943⁽¹⁷⁵⁾

ANNELIDA

Branchellion torpedinis Savigny, 1822⁽²⁴⁸⁾

FAMILY RAJIDAE

***Dipturus oxyrinchus* (Linnaeus, 1758)
(Longnosed skate)**

Synonym: *Dipturus oxyrhinchus* (Linnaeus, 1758) (misspelling), *Dipturus oxyrhynchus* (Linnaeus, 1758) (misspelling), *Raja acus* Lacepède, 1803, *Raja oxyrhyncha* Linnaeus, 1758 (misspelling), *Raja oxyrhynchus* Linnaeus, 1758 (misspelling), *Raja oxyrinchus* Linnaeus, 1758, *Raja salviani* Müller & Henle, 1841, *Raja vomer* Fries, 1838

ANNELIDA

Pontobdella muricata Linnaeus,
1758⁽²⁵³⁾

***Raja clavata* L., 1758 (Thornback ray)**

Synonym: *Cephaleutherus maculatus* Rafinesque, 1810, *Hieroptera abredonensis* Fleming, 1841, *Raia aspera* Risso, 1810, *Raia rhizacanthus* Regan, 1906, *Raia rubus* Bloch, 1784, *Raja aspera* Risso, 1810, *R. bonaespeiensis* Fowler, 1910, *R. capensis* Müller & Henle, 1841, *R. leiobatos* Gronow, 1854, *R. pontica* Pallas, 1914, *R. rubus* Bloch, 1784

CESTODA

Acanthobothrium dujardinii Van Beneden, 1849⁽⁵⁹⁾
Acanthobothrium ponticum Borcea, 1934⁽⁵⁹⁾
Acanthobothrium sp.⁽¹⁰¹⁾
Anthocephalum gracile (Wedl, 1855) Ruhnke, 1994⁽⁵⁹⁾⁽⁹⁸⁾
Echeneibothrium variabile Van Beneden, 1850⁽⁹⁴⁾⁽⁹⁸⁾⁽¹⁰¹⁾
Echinobothrium typus Van Beneden, 1849⁽⁵⁹⁾⁽⁹⁸⁾
Grillotia erinaceus (Van Beneden, 1858) Guiart, 1927⁽¹⁰¹⁾
Phyllobothrium lactuca Van Beneden, 1850⁽⁵⁹⁾
Tetrarhynchobothrium tenuicolle Diesing, 1850⁽⁹⁴⁾

NEMATODA

Echinocephalus spinosissimus (von Linstow, 1905)⁽⁵⁹⁾
Hysterothylacium aduncum (Rudolphi, 1802)⁽¹³⁷⁾

ISOPODA

Elthusa sinuata (Koelbel, 1879)⁽²⁰⁰⁾

MYXOZOA

Chloromyxum partistriatus Kovaleva, Donec & Kolesnikova, 1989⁽²²⁸⁾⁽²²⁹⁾
Chloromyxum sp.⁽⁵⁾

ANNELIDA

Pontobdella muricata Linnaeus,
1758⁽²⁵⁰⁾⁽²⁵¹⁾⁽²⁵²⁾
Stibarobdella moorei (Oka,
1910)⁽²⁵⁴⁾

***Raja miraletus* Linnaeus, 1758 (Brown ray)**

Synonym: *Raia ocellifera* Regan, 1906, *Raia oculata* Stephan, 1779 (misspelling), *Raia quadrimaculata* Risso, 1827, *Raja oculata* Stephan, 1779, *Raja quadrimaculata* Risso, 1827, *Raya biocularis* Geoffroy Saint-Hilaire, 1817

CESTODA

Echeneibothrium variabile Van Beneden, 1850⁽⁹⁸⁾

ISOPODA

Anilocra frontalis H. Milne Edwards, 1840⁽¹⁹⁹⁾
Ceratothoa capri (Trilles, 1964)⁽¹⁹⁹⁾

ANNELIDA

Stibarobdella moorei (Oka,
1910)⁽²⁴⁸⁾

***Raja* sp.**

Synonym: -

ANNELIDA

Pontobdella muricata Linnaeus,
1758⁽²⁴⁹⁾

***Rostroraja alba* (Lacepède, 1803) (White skate)**

Synonym: *Laeviraja bramante* Sassi, 1846, *Raia alba* Lacepède, 1803 (misspelling), *Raia bicolor* Risso, 1827, *Raia rostellata* Risso, 1810, *Raja alba* Lacepède, 1803, *Raja bicolor* Shaw, 1804, *Raja bramante* (Sassi, 1846), *Raja marginata* Lacepède, 1803, *Raja rostellata* Risso, 1810

ISOPODA

Ceratothoa oestroides (Risso,
1816)⁽²⁰³⁾

FAMILY RHIBOBATIDAE

***Rhinobatos rhinobatos* (Linnaeus,
1758)
(Common guitarfish)**

Synonym: *Raja rhinobatos* Linnaeus,
1758, *Rhinobatus rhinobatus*
(Linnaeus, 1758), *Rhinobathos*
rhinobathos (Linnaeus, 1758)
(misspelling), *Leiobatus panduratus*
Rafinesque, 1810, *Raia columnae*
Blainville, 1816, *Squatinatoraja*
colonna Nardo, 1824, *Rhinobatis*
duhameli Blainville, 1825,
Rhinobatus columnae Bonaparte,
1836

NEMATODA

Hysterothylacium aduncum
(Rudolphi, 1802)⁽¹³⁴⁾

COPEPODA

Lepeophtheirus acutus
Heegaard, 1943⁽¹⁷⁵⁾

FAMILY SQUALIDAE

***Squalus acanthias* Linnaeus, 1758
(Picked dogfish)**

Synonym: *Acanthias americanus*
Storer, 1846, *A. antiquorum* (Leach,
1818), *A. commun* Navarrete, 1898, *A.*
lebruni Vaillant, 1888, *A. linnei*
Malm, 1877, *A. vulgaris* Risso, 1827,
A. vulgaris Bonaparte, 1846, *Spinax*
mediterraneus Gistel, 1848, *Squalus*
acanthias acanthias Linnaeus, 1758,
S. acanthias africana Myagkov &
Kondyurin, 1986, *S. acanthias*
ponticus Myagkov & Kondyurin,
1986, *S. acanthias* Linnaeus, 1758
(misspelling), *S. achantias* Linnaeus,
1758 (misspelling), *S. antiquorum*
Leach, 1818, *S. barbouri* Howell
Rivero, 1936, *S. canis* Forster, 1777,
S. fernandinus Molina, 1782, *S. kirki*
Phillipps, 1931, *S. tasmaniensis*

Howell Rivero, 1936, *S. wakiyae*
Tanaka, 1918, *S. whitleyi* Phillipps,
1931

CESTODA

Echinobothrium typus Van
Beneden, 1849⁽⁹⁸⁾
Tetrarhynchobothrium tenuicolle
Diesign, 1850⁽⁹⁸⁾

NEMATODA

Hysterothylacium aduncum
(Rudolphi, 1802)⁽¹³⁷⁾

***Squalus blainville* (Risso, 1827)
(Longnose spurdog)**

Synonym: *Acanthias blainville* Risso,
1827, *Acanthicus blainvillii* (Risso,
1827), *Spinax fernandezianus*
Guichenot, 1848, *Squalus blainvillii*
(Risso, 1827) (misspelling), *Squalus*
blainvillei (Risso, 1827) (misspelling)

NEMATODA

Hysterothylacium fabri
(Rudolphi, 1819) Deardorff &
Overstreet, 1980⁽¹¹⁵⁾

FAMILY SQUATINIDAE

***Squatina squatina* (Linnaeus, 1758)
(Angelshark)**

Synonym: *Rhina squatina* Linnaeus,
Squalraia acephala de la Pylaie,
1835, *Squalraia cervicata* de la
Pylaie, 1835, *Squalus squatina*
Linnaeus, 1758, *Squatina angelus*
Blainville, 1825, *Squatina angelus*
Gronow, 1854, *Squatina europaea*
Swainson, 1839, *Squatina laevis*
Cuvier, 1816, *Squatina lewis* Couch,
1825, *Squatina vulgaris* Risso, 1810

ANNELIDA

Stibarobdella moorei (Oka,
1910)⁽²⁵⁴⁾

FAMILY TORPEDINIDAE

***Torpedo marmorata* Risso, 1810
(Marbled electric ray)**

Synonym: *Narcacion marmoratus* (Risso, 1810), *Narcobatus marmoratus* (Risso, 1810), *Torpedo diversicolor* Davy, 1834, *T. galvani* Risso, 1810, *T. immaculata* Rafinesque, 1810, *T. picta* Lowe, 1843, *T. punctata* Rafinesque, 1810, *T. trepidans* Valenciennes, 1843, *T. vulgaris* Fleming, 1828

MONOGENEA

Amphibdella torpedinis Chatin, 1874⁽⁴⁰⁾

CESTODA

Anthocephalum gracile (Wedl, 1855) Ruhnke, 1994⁽⁹⁸⁾

Acanthobothrium coronatum (Rudolphi, 1819) Blanchard, 1848⁽⁹⁸⁾

ANNELIDA

Pontobdella muricata Linnaeus, 1758⁽²⁵⁰⁾

FAMILY TRIAKIDAE

***Mustelus mustelus* (L., 1758) (Smooth-hound)**

Synonym: *Galeus laevis* Risso, 1820, *Mustellus levis* (Risso, 1820) (misspelling), *Mustelus equestris* Bonaparte, 1834, *Mustelus laevis* Linck, 1790, *Mustelus vulgaris* Cloquet, 1819, *Squalus mustelus* Linnaeus, 1758

COPEPODA

Lernaeopoda galei Kroyer, 1837⁽¹⁸⁴⁾

Pandarus bicolor Leach, 1816⁽¹⁵²⁾

**PARASITE – WILD FRESHWATER
FISH HOST LIST**

PHYLUM CILIOPHORA

CLASS PHYLLOPHARYNGEA ORDER CHLAMYDODONTIDA FAMILY CHILODONELLIDAE

Chilodonella cyprini (Moroff, 1902)
Strand, 1928

Synonym: -

Microhabitat: Gills

Host: *Cyprinus carpio*⁽²⁵⁶⁾, *Squalius carinus*⁽²⁵⁷⁾

Location: Central Anatolia Region, Ankara⁽²⁵⁶⁾; Aegean Region, Denizli Işıklı Dam Lake⁽²⁵⁷⁾

Record: Burgu *et al.* (1988)⁽²⁵⁶⁾, Soylu *et al.* (2017)⁽²⁵⁷⁾

Chilodonella sp.

Synonym: -

Microhabitat: Gills

Host: *Cyprinus carpio*⁽²⁵⁸⁾⁽²⁵⁹⁾

Location: Central Anatolia Region, Ankara Mogan Lake⁽²⁵⁸⁾, Çifteler Sakaryabaşı Culture Facilities⁽²⁵⁹⁾

Record: Sönmez (1996)⁽²⁵⁸⁾, Atay *et al.* (1996)⁽²⁵⁹⁾

CLASS OLIGOHYMENOPHOREA ORDER HYMENOSTOMATIDA FAMILY ICHTHYOPHTHIRIIDAE

Ichthyophthirius multifiliis Fouquet,
1876

Synonym: -

Microhabitat: Gills

Host: *Cyprinus carpio*⁽²⁵⁶⁾⁽²⁶⁰⁾⁽²⁶¹⁾⁽²⁶²⁾, *Alburnus* sp.⁽²⁵⁶⁾, *Varicorhinus* sp.⁽²⁵⁶⁾, *Barbus* sp.⁽²⁵⁶⁾, *Chondrostoma* sp.⁽²⁵⁶⁾, *Squalius carinus*⁽²⁵⁷⁾

Location: Central Anatolia Region, Ankara⁽²⁵⁶⁾; Mediterranean Region, Seyhan River⁽²⁶⁰⁾⁽²⁶¹⁾, Adana DSI⁽²⁶²⁾, Aegean Region, Denizli Işıklı Dam Lake⁽²⁵⁷⁾

Record: Burgu *et al.* (1988)⁽²⁵⁶⁾, Soylu *et al.* (2017)⁽²⁵⁷⁾, Cengizler *et al.* (2001)⁽²⁶⁰⁾, Şahan and Cengizler (2003)⁽²⁶¹⁾, Güleç and Şahan (2010)⁽²⁶²⁾

SUBCLASS PERITRICHIA ORDER SESSILIDA FAMILY EPISTYLIDIDAE

Apiosoma piscicola (Blanchard
1885)

Synonym: *Glossatella piscicola* (Blanchard 1885) Kahl (1935), *Glossatella cyprini* Šrámek-Hušek 1953, *Glossatella cylindriiformis* Chen (1955), *Apiosoma magna* Banina (1968)

Microhabitat: Skin, gills, fins

Host: *Cyprinus carpio*⁽²⁶³⁾⁽²⁶⁴⁾

Location: Black Sea Region, Sinop Bektaşağa Pond⁽²⁶³⁾⁽²⁶⁴⁾

Record: Özer and Erdem (1998)⁽²⁶³⁾, Özer and Erdem (1999)⁽²⁶⁴⁾

Apiosoma sp.

Synonym: -

Microhabitat: Skin, gills, fins

Host: *Aphanius danfordii*⁽³⁾⁽⁴⁾, *Vimba vimba*⁽³⁾⁽⁴⁾, *Cyprinus carpio*⁽²⁵⁶⁾

Location: Black Sea Region, Sinop Sırakaraağaçlar Stream⁽³⁾⁽⁴⁾, Central Anatolia Region, Ankara⁽²⁵⁶⁾

Record: Ünsal (2008)⁽³⁾, Özer and Ünsal (2009)⁽⁴⁾, Burgu *et al.* (1988)⁽²⁵⁶⁾

Epistylis sp.

Synonym: -

Microhabitat: Skin, gills, fins

Host: *Cyprinus carpio*⁽²⁶³⁾⁽²⁶⁴⁾, *Blicca bjoerkna*⁽²⁶⁵⁾

Location: Black Sea Region, Sinop Bektaşağa Pond⁽²⁶³⁾⁽²⁶⁴⁾; Marmara Region, Sakarya Büyükakgöl⁽²⁶⁵⁾

Record: Özer and Erdem (1998)⁽²⁶³⁾, Özer and Erdem (1999)⁽²⁶⁴⁾, Altan and Soylu (2018)⁽²⁶⁵⁾

FAMILY SCYPHIDIIDAE
Scyphida sp.

Synonym: -

Microhabitat: Skin, gills, fins

Host: *Aphanius danfordii*⁽³⁾⁽⁴⁾, *Vimba vimba*⁽³⁾⁽⁴⁾

Location: Black Sea Region, Sinop Sırakaraağaçlar Stream⁽³⁾⁽⁴⁾

Record: Ünsal (2008)⁽³⁾, Özer and Ünsal (2009)⁽⁴⁾

ORDER MOBILIDA
FAMILY TRICHODINIDAE

***Trichodina acuta* Lom, 1970**

Synonym: *Trichodinella acuta* (Lom, 1970), *Trichodina domerguei* f. *latispina* Lom, 1960, *Trichodina domerguei* f. *acuta* Lom, 1961, *Trichodina domerguei* f. *latispina* Dogiel, 1940, *Trichodina diaptomi* Srámek-Husek, 1953, *Trichodina acuta* Lom, 1961 (incorrect date)

Microhabitat: Skin, gills, fins

Host: *Cyprinus carpio*⁽¹⁸⁾⁽²⁶³⁾⁽²⁶⁴⁾⁽²⁶⁶⁾⁽²⁶⁷⁾

Location: Black Sea Region, Sinop Bektaşağa Pond⁽²⁶³⁾⁽²⁶⁴⁾⁽²⁶⁶⁾, Samsun Kızılırmak Delta Bafra Fish Lakes⁽¹⁸⁾⁽²⁶⁷⁾

Record: Özer and Öztürk (2015)⁽¹⁸⁾, Özer and Erdem (1998)⁽²⁶³⁾, Özer and Erdem (1999)⁽²⁶⁴⁾, Özer (2000)⁽²⁶⁶⁾, Öztürk et al. (2012)⁽²⁶⁷⁾

***Trichodina cobitis* Lom, 1960**

Synonym:

Microhabitat: Gills

Host: *Cobitis taenia*⁽¹⁸⁾

Location: Black Sea Region, Samsun Kızılırmak Delta Bafra Fish Lakes⁽¹⁸⁾

Record: Özer and Öztürk (2015)⁽¹⁸⁾

***Trichodina domerguei* Wallengren, 1897**

Synonym: *Trichodina domerguei* Wallengren, 1897 (misspelling)

Microhabitat: Gills

Host: *Aphanius danfordii*⁽¹⁸⁾⁽²⁶⁸⁾⁽²⁶⁹⁾, *Gambusia holbrooki*⁽¹⁸⁾, *Gasterosteus aculeatus*⁽¹⁸⁾, *Neogobius fluviatilis*⁽¹⁸⁾, *Pomatoschistus marmoratus*⁽¹⁸⁾, *Proterorhinus marmoratus*, *Sander lucioperca*⁽²⁷⁰⁾⁽²⁷¹⁾, *Cyprinus carpio*⁽²⁵⁶⁾⁽²⁷⁰⁾⁽²⁷¹⁾, *Tinca tinca*⁽²⁵⁶⁾, *Capoeta* sp.⁽²⁷⁰⁾⁽²⁷¹⁾, *Oncorhynchus mykiss*⁽²⁷¹⁾

Location: Black Sea Region, Sinop Sarıkum Lagoon⁽²⁶⁸⁾⁽²⁶⁹⁾, Samsun Kızılırmak Delta Bafra Fish Lakes⁽¹⁸⁾; Central Anatolia Region, Ankara⁽²⁵⁶⁾; Mediterranean Region, Seyhan Dam Lake⁽²⁷⁰⁾⁽²⁷¹⁾

Record: Özer and Öztürk (2015)⁽¹⁸⁾, Burgu et al. (1988)⁽²⁵⁶⁾, Öztürk and Özer (2007)⁽²⁶⁸⁾, Öztürk and Özer (2008)⁽²⁶⁹⁾, İnce (2013)⁽²⁷⁰⁾, İnce and Uslu (2017)⁽²⁷¹⁾

***Trichodina heterodentata* Duncan, 1977**

Synonym: *Trichodinella*

heterodentata (Duncan, 1977)

Microhabitat: Gills

Host: *Aphanius danfordii*⁽¹⁸⁾, *Sander lucioperca*⁽¹⁸⁾

Location: Black Sea Region, Samsun Kızılırmak Delta Bafra Fish Lakes⁽¹⁸⁾

Record: Özer and Öztürk (2015)⁽¹⁸⁾

***Trichodina luciopercae* Lom, 1970**

Synonym: -

Microhabitat: Gills

Host: *Sander lucioperca*⁽¹⁸⁾

Location: Black Sea Region, Samsun Kızılırmak Delta Bafra Fish Lakes⁽¹⁸⁾

Record: Özer and Öztürk (2015)⁽¹⁸⁾

***Trichodina modesta* Lom, 1970**

Synonym: -

Microhabitat: Gills

Host: *Aphanius danfordii*⁽¹⁸⁾⁽²⁶⁸⁾⁽²⁶⁹⁾⁽²⁷²⁾

Location: Black Sea Region, Sinop Sarıkum Lagoon⁽²⁶⁸⁾⁽²⁶⁹⁾, Sinop Sırakaraağaçlar Stream⁽²⁷²⁾, Samsun Kızılırmak Delta Bafra Fish Lakes⁽¹⁸⁾

Record: Özer and Öztürk (2015)⁽¹⁸⁾, Öztürk and Özer (2007)⁽²⁶⁸⁾, Öztürk and Özer (2008)⁽²⁶⁹⁾, Özer (2007)⁽²⁷²⁾

***Trichodina mutabilis* Kazubski & Migala, 1968**

Synonym:-

Microhabitat: Skin, gills, fins

Host: *Cyprinus carpio*⁽²⁶³⁾⁽²⁶⁴⁾⁽²⁶⁶⁾

Location: Black Sea Region, Sinop Bektaşağa Pond⁽²⁶³⁾⁽²⁶⁴⁾⁽²⁶⁶⁾

Record: Özer and Erdem (1998)⁽²⁶³⁾, Özer and Erdem (1999)⁽²⁶⁴⁾, Özer (2000)⁽²⁶⁶⁾

***Trichodina nigra* Lom, 1960**

Synonym: -

Microhabitat: Skin, gills, fins

Host: *Cyprinus carpio*⁽²⁵⁶⁾⁽²⁶⁰⁾⁽²⁶³⁾⁽²⁶⁴⁾⁽²⁶⁶⁾⁽²⁷³⁾, *Tinca tinca*⁽²⁵⁶⁾

Location: Black Sea Region, Sinop Bektaşağa Pond⁽²⁶³⁾⁽²⁶⁴⁾⁽²⁶⁶⁾, Central Anatolia Region, Ankara⁽²⁵⁶⁾, Yamula Dam Lake⁽²⁷³⁾; Mediterranean Region, Adana Seyhan River⁽²⁶⁰⁾

Record: Burgu *et al.* (1988)⁽²⁵⁶⁾, Cengizler *et al.* (2001)⁽²⁶⁰⁾, Özer and Erdem (1998)⁽²⁶³⁾, Özer and Erdem (1999)⁽²⁶⁴⁾, Özer (2000)⁽²⁶⁶⁾, Kılınçaslan (2007)⁽²⁷³⁾

***Trichodina* sp.**

Synonym: -

Microhabitat: Gills

Host: *Gasterosteus aculeatus*⁽¹⁸⁾, *Cobitis taenia*⁽¹⁸⁾, *Cyprinus carpio*⁽²⁵⁸⁾⁽²⁵⁹⁾⁽²⁷⁴⁾⁽²⁷⁸⁾, *Syngnathus acus*⁽¹⁸⁾, *Vimba vimba*⁽³⁾⁽⁴⁾, *Aphanius danfordii*⁽³⁾⁽⁴⁾, *Squalius carinus*⁽²⁵⁷⁾, *Blicca bjoerkna*⁽²⁶⁵⁾⁽²⁷⁶⁾, *Scardinius erythrophthalmus*⁽²⁷⁵⁾⁽²⁷⁷⁾, *Abramis brama*⁽²⁷⁶⁾, *Rutilus rutilus*⁽²⁷⁶⁾⁽²⁷⁸⁾

Location: Black Sea Region, Sinop Sırakaraağaçlar Stream⁽³⁾⁽⁴⁾, Samsun Kızılırmak Delta Bafra Fish Lakes⁽¹⁸⁾⁽²⁷⁵⁾; Marmara Region, Sakarya Büyükakgöl⁽²⁶⁵⁾, Sakarya River⁽²⁷⁶⁾, Ömerli Dam Lake⁽²⁷⁷⁾, Büyükçekmece Dam Lake⁽²⁷⁸⁾;

Central Anatolia Region, Ankara Mogan Lake⁽²⁵⁸⁾, Several lakes and stations⁽²⁵⁹⁾; South-Eastern Anatolia Region, Urfa Balıklı Lake⁽²⁷⁴⁾, Kesikköprü Dam Lake; Aegean Region, Denizli Işıklı Dam Lake⁽²⁵⁷⁾
Record: Ünsal (2008)⁽³⁾, Özer and Ünsal (2009)⁽⁴⁾, Özer and Öztürk (2015)⁽¹⁸⁾, Soylu *et al.* (2017)⁽²⁵⁷⁾, Sönmez (1996)⁽²⁵⁸⁾, Atay *et al.* (1996)⁽²⁵⁹⁾, Altan and Soylu (2018)⁽²⁶⁵⁾, Pişkin and Ütük (2008)⁽²⁷⁴⁾, Özer *et al.* (2012)⁽²⁷⁵⁾, Akmırza and Yardımcı (2014)⁽²⁷⁶⁾, Şimşek (2013)⁽²⁷⁷⁾, Yardımcı *et al.* (2018)⁽²⁷⁸⁾

***Trichodinella subtilis* Lom, 1959**

Synonym: -

Microhabitat: Gills

Host: *Cyprinus carpio*⁽²⁶³⁾⁽²⁶⁴⁾

Location: Black Sea Region, Sinop Bektaşağa Pond⁽²⁶³⁾⁽²⁶⁴⁾

Record: Özer and Erdem (1998)⁽²⁶³⁾, Özer and Erdem (1999)⁽²⁶⁴⁾

***Trichodinella* sp.**

Synonym: -

Microhabitat: Gills

Host: *Cyprinus carpio*⁽²⁵⁶⁾, *Tinca tinca*⁽²⁵⁶⁾

Location: Central Anatolia Region, Ankara⁽²⁵⁶⁾

Record: Burgu *et al.* (1988)⁽²⁵⁶⁾

***Tripartiella macrosoma* Basson & Van As, 1987**

Synonym: -

Microhabitat: Gills

Host: *Aphanius danfordii*⁽¹⁸⁾⁽²⁶⁸⁾⁽²⁶⁹⁾

Location: Black Sea Region, Sinop Sarıkum Lagoon⁽²⁶⁸⁾⁽²⁶⁹⁾, Samsun Kızılırmak Delta Bafra Fish Lakes⁽¹⁸⁾

Record: Özer and Öztürk (2015)⁽¹⁸⁾, Öztürk and Özer (2007)⁽²⁶⁸⁾, Öztürk and Özer (2008)⁽²⁶⁹⁾

PHYLUM EUGLENOZOA

CLASS KINETOPLASTIDA

ORDER BODONIDA FAMILY BODONIDAE

Cryptobia branchialis Nie in Chen,
1955

Synonym: -
Microhabitat: Blood
Host: *Cyprinus carpio*⁽²⁵⁶⁾
Location: Central Anatolia Region,
Ankara⁽²⁵⁶⁾
Record: Burgu *et al.* (1988)⁽²⁵⁶⁾

Cryptobia tincae

Synonym: -
Microhabitat: Blood
Host: *Rutilus rutilus*⁽⁵⁴²⁾
Location: Marmara Region, Sapanca
Lake⁽⁵⁴²⁾
Record: Akmırza and Tepecik
(2007)⁽⁵⁴²⁾

Cryptobia sp.

Synonym: -
Microhabitat: Blood
Host: *Cyprinus carpio*⁽²⁵⁶⁾
Location: Central Anatolia Region,
Ankara⁽²⁵⁶⁾
Record: Burgu *et al.* (1988)⁽²⁵⁶⁾

Ichthyobodo necator (Henneguy)
Pinto, 1928

Synonym: *Costia necatrix*
Microhabitat: -
Host: *Cyprinus carpio*⁽²⁵⁶⁾
Location: Central Anatolia Region,
Ankara⁽²⁵⁶⁾
Record: Burgu *et al.* (1988)⁽²⁵⁶⁾

ORDER PROKINEPLASTIDA FAMILY CRYPTOBIACEAE

Trypanoplasma sp.

Synonym: -

Microhabitat: Blood
Host: *Cyprinus carpio*⁽²⁵⁶⁾, *Tinca tinca*⁽²⁵⁶⁾, *Silurus glanis*⁽²⁵⁶⁾
Location: Central Anatolia Region,
Ankara⁽²⁵⁶⁾
Record: Burgu *et al.* (1988)⁽²⁵⁶⁾

ORDER TRYPANOSOMATIDA FAMILY TRYPANOSOMATIDAE

Trypanosoma sp.

Synonym: -
Microhabitat: Blood
Host: *Cyprinus carpio*⁽²⁵⁶⁾, *Tinca tinca*⁽²⁵⁶⁾, *Silurus glanis*⁽²⁵⁶⁾, *Clarias gariepinus*⁽²⁷⁹⁾
Location: Central Anatolia Region,
Ankara⁽²⁵⁶⁾; Mediterranean Region,
Asi River⁽²⁷⁹⁾
Record: Burgu *et al.* (1988)⁽²⁵⁶⁾,
Konaş *et al.* (2010)⁽²⁷⁹⁾

PHYLUM MYZOOA

CLASS CONOIDASIDA

SUBCLASS COCCIDIASINA ORDER EUCOCCIDIORIDA FAMILY EIMERIIDAE

Eimeria sp.

Synonym: -
Microhabitat: Digestive system
Host: *Cyprinus carpio*⁽²⁵⁶⁾⁽²⁷⁰⁾⁽²⁷¹⁾
Location: Central Anatolia Region,
Ankara⁽²⁵⁶⁾; Mediterranean Region,
Seyhan Dam Lake⁽²⁷⁰⁾⁽²⁷¹⁾
Record: Burgu *et al.* (1988)⁽²⁵⁶⁾, İnce
(2013)⁽²⁷⁰⁾, İnce and Uslu (2017)⁽²⁷¹⁾

CLASS DINOFLAGELLATA INCERTAE SEDIS GENUS PISCINOODINIUM

Piscinoodinium pillulare (Schäperclaus) Lom, 1981

Synonym: *Oodinium pillulare*
Schäperclaus, 1954

Microhabitat: Gills, skin
Host: *Cyprinus carpio*⁽²⁸⁰⁾, *Capoeta trutta*⁽²⁸⁰⁾
Location: Eastern Anatolia Region, Keban Dam Lake⁽²⁸⁰⁾
Record: Sağlam (1992)⁽²⁸⁰⁾

PHYLUM PLATYHELMINTHES

CLASS MONOGENEA

SUBCLASS MONOISTHOCOTYLEA ORDER DACTYLOGYRIDEA FAMILY ANCYROCEPHALIDAE

Ancyrocephalus paradoxus Creplin,
1839

Synonym: *Ancyrocephalus crassiusculus* (Wedl, 1858) Sproston, 1946, *Dactylogyrus crassiusculus* (Wedl, 1858) Braun, 1890, *Dactylogyrus paradoxus* (Creplin, 1839) Linstow, 1878, *Gyrodactylus crassiusculus* Wedl, 1858
Microhabitat: Gills
Host: *Sander lucioperca*⁽³⁷⁾⁽³⁹⁾⁽²⁸¹⁾ ⁽²⁸²⁾
Location: Black Sea Region, Samsun Kızılırmak Delta Bafra Fish Lakes⁽³⁷⁾ ⁽²⁸²⁾; Marmara Region, Gala Lake⁽³⁹⁾, Sığircı Lake⁽²⁸¹⁾
Record: Öztürk and Özer (2014)⁽³⁷⁾, Soylu (2014)⁽³⁹⁾, Çolak (2013)⁽²⁸¹⁾, Öztürk et al. (2011)⁽²⁸²⁾

Microhabitat: Gills
Host: *Sander lucioperca*⁽³⁷⁾⁽³⁹⁾⁽²⁸¹⁾ ⁽²⁸²⁾

Location: Black Sea Region, Samsun Kızılırmak Delta Bafra Fish Lakes⁽³⁷⁾ ⁽²⁸²⁾; Marmara Region, Gala Lake⁽³⁹⁾, Sığircı Lake⁽²⁸¹⁾
Record: Öztürk and Özer (2014)⁽³⁷⁾, Soylu (2014)⁽³⁹⁾, Çolak (2013)⁽²⁸¹⁾, Öztürk et al. (2011)⁽²⁸²⁾

Cleidodiscus sp.

Synonym: -
Microhabitat: Gills
Host: *Silurus glanis*⁽²⁸³⁾
Location: Central Anatolia Region, Gölbaşı Lake⁽²⁸³⁾
Record: Ekingen (1976)⁽²⁸³⁾

Mastacembelocleidus heteranchorus (Kulkarni, 1969)

Synonym: *Urocleidus heteranchorus* Kulkarni, 1969

Microhabitat: Gills

Host: *Mastacembellus mastacembelus* ⁽²⁸⁴⁾⁽²⁸⁵⁾

Location: Eastern Anatolia Region, Atatürk Dam Lake⁽²⁸⁴⁾, Dicle River⁽²⁸⁵⁾, Fırat River⁽²⁸⁵⁾, Murat River⁽²⁸⁵⁾

Record: Öktener and Alas (2009)⁽²⁸⁴⁾, Koyun and Çelik (2020)⁽²⁸⁵⁾

Onchocleidus similis Mueller, 1936

Synonym: *Cleidodiscus similis* (Mueller, 1936) Price & Mura, 1969 nec Allison, 1967, *Onchocleidus procax* (Mizelle & Donahue, 1944) Yamaguti, 1963, *Urocleidus procax* Mizelle & Donahue, 1944, *Urocleidus similis* (Mueller, 1936) Mizelle & Hughes, 1938
Microhabitat: Gills
Host: *Lepomis gibbosus*⁽³⁹⁾⁽²⁸¹⁾
Location: Marmara Region, Gala Lake⁽³⁹⁾, Sığircı Lake⁽²⁸¹⁾
Record: Soylu (2014)⁽³⁹⁾, Çolak (2013)⁽²⁸¹⁾

Salsuginus sp.

Synonym: -
Microhabitat: Gills
Host: *Aphanius danfordii*⁽³⁾⁽⁴⁾⁽³⁷⁾⁽²⁶⁹⁾ ⁽²⁸⁶⁾, *Vimba vimba*⁽³⁾⁽⁴⁾, *Aphanius splendens*⁽²⁸⁶⁾, *Aphanius sureyanus* ⁽²⁸⁶⁾, *Aphanius transgrediens*⁽²⁸⁶⁾

Location: Black Sea Region, Sinop Sarıkum Lagoon⁽²⁶⁹⁾, Sinop Sırakaraağaçlar Stream⁽³⁾⁽⁴⁾, Samsun Kızılırmak Delta Bafra Fish Lakes⁽³⁷⁾, Mediterranean Region, Burdur Acı Gölü⁽²⁸⁶⁾, Burdur Salda Lake⁽²⁸⁶⁾, Burdur Lake⁽²⁸⁶⁾, Eğirdir Lake⁽²⁸⁶⁾
Record: Ünsal (2008)⁽³⁾, Özer and Ünsal (2009)⁽⁴⁾, Öztürk and Özer (2014)⁽³⁷⁾, Öztürk and Özer (2008)⁽²⁶⁹⁾, İnnal et al. (2019)⁽²⁸⁶⁾

FAMILY ANCYLODISCOIDIDAE

***Quadriacanthus clariadis* Paperna, 1961**

Synonym: *Quadriacanthus clariadis* Paperna, 1979

Microhabitat: Gills

Host: *Clarias gariepinus*⁽²⁸⁷⁾

Location: Mediterranean Region, Kepez I Hidroelektrik Power Plant⁽²⁸⁷⁾

Record: Soylu and Emre (2005)⁽²⁸⁷⁾

***Thaparocleidus siluri* (Zandt, 1924) Lim, 1996**

Synonym: *Ancylodiscoides siluri* (Zandt, 1924) Yamaguti, 1937, *Ancyrocephalus siluri* Zandt, 1924, *Parancylodiscoides siluri* (Zandt, 1924) Achmerow, 1964, *Silurodiscoides siluri* (Zandt, 1924) Gusev, 1976, *Urocleidus siluri* (Zandt, 1924) Mizelle & Hughes, 1938

Microhabitat: Gills

Host: *Silurus glanis*⁽³⁹⁾⁽²⁸¹⁾⁽²⁸⁸⁾⁽²⁸⁹⁾⁽²⁹⁰⁾⁽²⁹¹⁾⁽²⁹²⁾⁽²⁹³⁾⁽²⁹⁴⁾⁽²⁹⁵⁾

Location: Marmara Region, Sapanca Lake⁽²⁸⁸⁾⁽²⁸⁹⁾⁽²⁹³⁾, İznik Lake⁽²⁹⁴⁾, Durusu (Terkos) Lake⁽²⁹¹⁾⁽²⁹³⁾, Sığircı Lake⁽²⁸¹⁾, Gala Lake⁽³⁹⁾, İznik Lake⁽²⁹²⁾, Black Sea Region, Almus Dam Lake⁽²⁹⁰⁾⁽²⁹⁵⁾

Record: Soylu (2014)⁽³⁹⁾, Çolak (2013)⁽²⁸¹⁾, Soylu (1990)⁽²⁸⁸⁾, Soylu (1991)⁽²⁸⁹⁾, Turgut (2005)⁽²⁹⁰⁾, Soylu (2005)⁽²⁹¹⁾, Aydoğdu *et al.* (1996)⁽²⁹²⁾, Soylu (2009)⁽²⁹³⁾, Aydoğdu *et al.* (2002)⁽²⁹⁴⁾, Develi (2008)⁽²⁹⁵⁾

***Thaparocleidus vistulensis* (Sivak, 1932) Lim, 1996**

Synonym: *Ancylodiscoides vistulensis* (Sivak, 1932) Yamaguti, 1963, *Ancyrocephalus vistulensis* Sivak, 1932, *Silurodiscoides vistulensis* (Sivak, 1932) Gusev, 1985, *Urocleidus vistulensis* (Sivak, 1932) Mizelle & Hughes, 1938

Microhabitat: Gills

Host: *Silurus glanis*⁽³⁹⁾⁽²⁷⁶⁾⁽²⁷⁸⁾⁽²⁸¹⁾⁽²⁸⁸⁾⁽²⁸⁹⁾⁽²⁹⁰⁾⁽²⁹¹⁾⁽²⁹³⁾⁽²⁹⁵⁾, *Silurus triostegus*⁽²⁸⁴⁾

Location: Marmara Region, Gala Lake⁽³⁹⁾, Sakarya River⁽²⁷⁶⁾, Sapanca Lake⁽²⁸⁸⁾⁽²⁸⁹⁾⁽²⁹³⁾, Durusu (Terkos) Lake⁽²⁹¹⁾⁽²⁹³⁾, Sığircı Lake⁽²⁸¹⁾, Büyükçekmece Dam Lake⁽²⁷⁸⁾; Black Sea Region, Almus Dam Lake⁽²⁹⁰⁾⁽²⁹⁵⁾; Eastern Anatolia Region, Atatürk Dam Lake⁽²⁸⁴⁾

Record: Soylu (2014)⁽³⁹⁾, Akmırza and Yardımcı (2014)⁽²⁷⁶⁾, Yardımcı *et al.* (2018)⁽²⁷⁸⁾, Çolak (2013)⁽²⁸¹⁾, Öktener and Alaş (2009)⁽²⁸⁴⁾, Soylu (1990)⁽²⁸⁸⁾, Soylu (1991)⁽²⁸⁹⁾, Turgut (2005)⁽²⁹⁰⁾, Soylu (2005)⁽²⁹¹⁾, Soylu (2009)⁽²⁹³⁾, Develi (2008)⁽²⁹⁵⁾

FAMILY DACTYLOGYRIDAE

***Dactylogyrus affinis* Bychowsky, 1933**

Synonym: -

Microhabitat: Gills

Host: *Capoeta umbra*⁽²⁹⁶⁾

Location: Eastern Anatolia Region, Hazar Lake⁽²⁹⁶⁾

Record: Aksoy *et al.* (2006)⁽²⁹⁶⁾

***Dactylogyrus alatus* Linstow, 1878**

Synonym: *Neodactylogyrus alatus* (Linstow, 1878)

Microhabitat: Gills

Host: *Chondrostoma regium*⁽²⁹⁰⁾⁽³⁰⁰⁾⁽³⁰³⁾, *Alburnus alburnus*⁽²⁹⁷⁾⁽²⁹⁸⁾⁽²⁹⁹⁾⁽³⁰²⁾, *Alburnus heckeli*⁽³⁰¹⁾, *Alburnus orontis*⁽³⁰³⁾, *Alburnus mossulensis*⁽³⁰⁴⁾

Location: Aegean Region, Enne Dam Lake⁽²⁹⁸⁾⁽²⁹⁹⁾; Black Sea Region, Almus Dam Lake⁽²⁹⁰⁾⁽³⁰⁰⁾⁽³⁰³⁾, Marmara Region, Mustafakemalpaşa Stream⁽²⁹⁷⁾; Eastern Anatolia Region, Murat River⁽³⁰¹⁾⁽³⁰⁴⁾; Central Anatolia Region, Porsuk Stream⁽³⁰²⁾

Record: Turgut (2005)⁽²⁹⁰⁾, Aydoğdu and Selver (2006)⁽²⁹⁷⁾, Koyun and Altunel (2007)⁽²⁹⁸⁾, Koyun (2001)⁽²⁹⁹⁾, Özgül (2008)⁽³⁰⁰⁾, Koyun (2011)⁽³⁰¹⁾, Koyun (2011)⁽³⁰²⁾, Turgut Neary *et al.*

(2012)⁽³⁰³⁾, Tunç and Koyun
(2018)⁽³⁰⁴⁾

***Dactylogyrus anchoratus* (Dujardin,
1845) Wagener, 1857**

Synonym: *Gyrodactylus anchoratus*
Dujardin, 1845, *Gyrodactylus*
auricularis Wedl, 1858

Microhabitat: Gills

Host: *Cyprinus carpio*⁽²⁶⁴⁾⁽³⁰⁵⁾⁽³¹²⁾⁽³¹⁴⁾,
Carassius gibelio⁽³⁹⁾⁽²⁸¹⁾⁽³⁰⁷⁾⁽³⁰⁸⁾⁽³¹³⁾,
Carassius auratus⁽²⁹⁸⁾⁽²⁹⁹⁾⁽³⁰⁸⁾,
Carassius carassius⁽²⁹⁸⁾⁽²⁹⁹⁾⁽³⁰²⁾⁽³⁰⁶⁾⁽³⁰⁹⁾
(310)(311)(312)

Location: Black Sea Region, Sinop
Bektaşağa Pond⁽²⁶⁴⁾⁽³⁰⁵⁾; Central
Anatolia Region, Seyitler Dam
Lake⁽³⁰⁷⁾, Emre Dam Lake⁽³⁰⁸⁾, Porsuk
Stream⁽³⁰²⁾; Marmara Region, Sığircı
Lake⁽²⁸¹⁾, Gala Lake⁽³⁹⁾, Gölbaşı Dam
Lake⁽³⁰⁹⁾; Mediterranean Region,
Karacaören II Dam Lake⁽³¹²⁾⁽³¹³⁾⁽³¹⁴⁾,
Kovada Lake⁽³⁰⁶⁾⁽³¹⁰⁾; Aegean Region,
Enne Dam Lake⁽²⁹⁸⁾⁽²⁹⁹⁾⁽³¹¹⁾

Record: Soylu (2014)⁽³⁹⁾, Özer and
Erdem (1999)⁽²⁶⁴⁾, Çolak (2013)⁽²⁸¹⁾,
Koyun and Altunel (2007)⁽²⁹⁸⁾, Koyun
(2001)⁽²⁹⁹⁾, Koyun (2011)⁽³⁰²⁾, Özer
(2002)⁽³⁰⁵⁾, Tekin Özcan and Kır
(2005)⁽³⁰⁶⁾, Öztürk (2010)⁽³⁰⁷⁾, Öztürk
(2011)⁽³⁰⁸⁾, Aydoğdu (2006)⁽³⁰⁹⁾, Kır
(2007)⁽³¹⁰⁾, Koyun and Altunel
(2011)⁽³¹¹⁾, Samancı (2011)⁽³¹²⁾, Kır
and Samancı (2012)⁽³¹³⁾, Kır *et al.*
(2013)⁽³¹⁴⁾

***Dactylogyrus ancylostylus* Chien,
1974**

Synonym: -

Microhabitat: Gills

Host: *Cyprinus carpio*⁽²⁸⁰⁾,
Luciobarbus pectoralis⁽²⁸⁰⁾,
Luciobarbus esocinus⁽²⁸⁰⁾

Location: Eastern Anatolia Region,
Keban Dam Lake⁽²⁸⁰⁾

Record: Sağlam (1992)⁽²⁸⁰⁾

***Dactylogyrus angorae* Aydoğdu,
Molnar, Emre, Emre, 2015**

Synonym: -

Microhabitat: Gills

Host: *Capoeta angorae*⁽³¹⁵⁾

Location: Mediterranean Region,
Kahramanmaraş Fırnız Stream⁽³¹⁵⁾

Record: Aydoğdu *et al.* (2015)⁽³¹⁵⁾

***Dactylogyrus asper* Chien, 1974**

Synonym: -

Microhabitat: Gills

Host: *Luciobarbus esocinus*⁽²⁸⁰⁾,

Luciobarbus mystaceus⁽²⁸⁰⁾

Location: Eastern Anatolia Region,
Keban Dam Lake⁽²⁸⁰⁾

Record: Sağlam (1992)⁽²⁸⁰⁾

***Dactylogyrus auriculatus*
(Nordmann, 1832) Diesing, 1850**

Synonym: *Dactylogyrus auricularis*
Popov, 1926, *Gyrodactylus*
auriculatus Nordmann, 1832

Microhabitat: Gills

Host: *Abramis brama*⁽³⁹⁾, *Capoeta*
umbla⁽²⁹⁶⁾

Location: Eastern Anatolia Region,
Hazar Lake⁽²⁹⁶⁾, Marmara Region
Region, Gala Lake⁽³⁹⁾

Record: Soylu (2014)⁽³⁹⁾, Aksoy *et al.*
(2006)⁽²⁹⁶⁾

***Dactylogyrus baueri* Gusev, 1955**

Synonym: *Dactylogyrus hovorkai*
Kastak, 1955, *Dactylogyrus solidus*
Akhmerov, 1948

Microhabitat: Gills

Host: *Carassius gibelio*⁽³⁹⁾⁽²⁸¹⁾

Location: Marmara Region, Sığircı
Lake⁽²⁸¹⁾, Gala Lake⁽³⁹⁾

Record: Soylu (2014)⁽³⁹⁾, Çolak
(2013)⁽²⁸¹⁾

***Dactylogyrus bicornis* Malevitskaja,
1941**

Synonym: -

Microhabitat: Gills

Host: *Rhodeus amarus*⁽²⁹³⁾⁽³¹⁶⁾

Location: Marmara Region, Sapanca Lake⁽²⁹³⁾, Durusu (Terkos) Lake⁽²⁹³⁾, Susurluk Stream⁽³¹⁶⁾

Record: Soylu (2009)⁽²⁹³⁾, Aydoğdu et al. (2020)⁽³¹⁶⁾

***Dactylogyrus carpathicus*
Zakhvatkin, 1951**

Synonym: *Dactylogyrus carpathicus* Zakhvatkin, 1951

Microhabitat: Gills

Host: *Luciobarbus escherichii*⁽³¹⁷⁾⁽³¹⁸⁾

Location: Marmara Region, Doğançı Dam Lake⁽³¹⁷⁾⁽³¹⁸⁾

Record: Aydoğdu (2001)⁽³¹⁷⁾, Aydoğdu et al. (2002)⁽³¹⁸⁾

***Dactylogyrus chalcalburni* Dogiel &
Bykhovskii, 1934**

Synonym: *Dactylogyrus narimani* Osmanov, 1965

Microhabitat: Gills

Host: *Cyprinus carpio*⁽³⁷⁾⁽²⁶⁷⁾, *Vimba vimba*⁽³⁷⁾⁽³²¹⁾, *Alburnus calcoides*⁽²⁹³⁾⁽³¹⁹⁾⁽³²⁰⁾⁽³²⁸⁾, *Alburnus istanbulensis*⁽²⁷⁷⁾

Location: Black Sea Region, Samsun Kızılırmak Delta Bafra Fish Lakes⁽³⁷⁾⁽²⁶⁷⁾⁽³²¹⁾, Marmara Region, Durusu (Terkos) Lake⁽²⁹³⁾, Manyas Lake⁽³¹⁹⁾⁽³²⁰⁾, Ömerli Dam Lake⁽²⁷⁷⁾, Uluabat Lake⁽³²⁸⁾

Record: Öztürk and Özer (2014)⁽³⁷⁾, Öztürk et al. (2012)⁽²⁶⁷⁾, Şimşek (2013)⁽²⁷⁷⁾, Soylu (2009)⁽²⁹³⁾, Öztürk (2000)⁽³¹⁹⁾, Öztürk and Altunel (2002)⁽³²⁰⁾, Öztürk et al. (2012)⁽³²¹⁾, Öztürk (2005)⁽³²⁸⁾

***Dactylogyrus cornoides* Gläser &
Gusev, 1967**

Synonym: -

Microhabitat: Gills

Host: *Vimba vimba*⁽²⁹³⁾⁽³²²⁾, *Blicca bjoerkna*⁽³²³⁾⁽²⁶⁵⁾, *Rutilus rutilus*⁽³⁹⁾

Location: Marmara Region, Sapanca Lake⁽²⁹³⁾⁽³²²⁾⁽³²³⁾, Sakarya Büyükakgöl⁽²⁶⁵⁾, Gala Lake⁽³⁹⁾

Record: Soylu (2014)⁽³⁹⁾, Altan and Soylu (2018)⁽²⁶⁵⁾, Soylu (2009)⁽²⁹³⁾,

Uzunay and Soylu (2006)⁽³²²⁾, Soylu (2012)⁽³²³⁾

***Dactylogyrus cornu* Linstow, 1878**

Synonym: -

Microhabitat: Gills

Host: *Vimba vimba*⁽²⁹³⁾⁽³²²⁾⁽³¹⁹⁾⁽³²⁴⁾⁽³²⁵⁾, *Blicca bjoerkna*⁽²⁸⁸⁾⁽²⁸⁹⁾⁽³²³⁾⁽²⁶⁵⁾, *Rutilus rutilus*⁽³⁹⁾

Location: Black Sea Region, Sinop Sırakaraağaçlar Stream⁽³²⁴⁾, Marmara Region, Manyas Lake⁽³¹⁹⁾⁽³²⁵⁾, Sapanca Lake⁽²⁸⁸⁾⁽²⁸⁹⁾⁽²⁹³⁾⁽³²²⁾⁽³²³⁾, Sakarya Büyükakgöl⁽²⁶⁵⁾, Gala Lake⁽³⁹⁾

Record: Soylu (2014)⁽³⁹⁾, Altan and Soylu (2018)⁽²⁶⁵⁾, Soylu (1990)⁽²⁸⁸⁾, Soylu (1991)⁽²⁸⁹⁾, Soylu (2009)⁽²⁹³⁾, Öztürk (2000)⁽³¹⁹⁾, Uzunay and Soylu (2006)⁽³²²⁾, Soylu (2012)⁽³²³⁾, Özer and Öztürk (2005)⁽³²⁴⁾, Öztürk and Altunel (2006)⁽³²⁵⁾

***Dactylogyrus crivellius* Dupont &
Lambert, 1986**

Synonym: -

Microhabitat: Gills

Host: *Capoeta trutta*⁽³²⁶⁾

Location: Eastern Anatolia Region, Bingöl Göynük Stream⁽³²⁶⁾

Record: Koyun et al. (2019)⁽³²⁶⁾

***Dactylogyrus crucifer* Wagener,
1857**

Synonym: *Dactylogyrus*

dujardinianus (Diesing, 1850)

Diesing, 1858, *Dactylogyrus*

grislaginis Alarotu, 1944,

Gyrodactylus dujardinianus Diesing, 1850

Microhabitat: Gills

Host: *Rutilus rutilus*⁽³⁹⁾⁽²⁸¹⁾⁽²⁸⁹⁾⁽²⁹³⁾

⁽³¹⁹⁾⁽³²³⁾⁽³²⁵⁾⁽³²⁸⁾ ⁽³³⁰⁾⁽³³¹⁾⁽³³²⁾, *Blicca boerkna*⁽²⁸⁸⁾⁽²⁸⁹⁾, *Rutilus frisii*⁽³²⁷⁾, *Capoeta tinca*⁽²⁹⁰⁾⁽³⁰⁰⁾

Location: Marmara Region, Sapanca Lake⁽²⁸⁸⁾⁽²⁸⁹⁾⁽²⁹³⁾⁽³²³⁾⁽³³¹⁾, İznik Lake⁽³²⁷⁾, Manyas Lake⁽³¹⁹⁾⁽³²⁵⁾, Kocadere Stream⁽³³⁰⁾⁽³³²⁾, Sığircı Lake⁽²⁸¹⁾, Gala

Lake⁽³⁹⁾, Uluabat Lake⁽³²⁸⁾, Black Sea Region, Almus Dam Lake⁽²⁹⁰⁾⁽³⁰⁰⁾

Record: Soylu (2014)⁽³⁹⁾, Çolak (2013)⁽²⁸¹⁾, Soylu (1990)⁽²⁸⁸⁾, Soylu (1991)⁽²⁸⁹⁾, Turgut (2005)⁽²⁹⁰⁾, Soylu (2009)⁽²⁹³⁾, Özgül (2008)⁽³⁰⁰⁾, Öztürk (2000)⁽³¹⁹⁾, Karabiber (2006)⁽³²³⁾, Öztürk and Altunel (2006)⁽³²⁵⁾, Aydoğdu *et al.* (1997)⁽³²⁷⁾, Öztürk (2005)⁽³²⁸⁾, Selver (2008)⁽³³⁰⁾, Soylu *et al.* (2010)⁽³³¹⁾, Selver *et al.* (2009)⁽³³²⁾

***Dactylogyrus cyprini* Buschkiel, 1930**

Synonym: -

Microhabitat: Gills

Host: *Cyprinus carpio*⁽³⁷⁾

Location: Black Sea Region, Samsun Kızılırmak Delta Bafra Fish Lakes⁽³⁷⁾

Record: Öztürk and Özer (2014)⁽³⁷⁾

***Dactylogyrus difformis* Wagener, 1857**

Synonym: *Neodactylogyrus difformis* (Wagener, 1857)

Microhabitat: Gills

Host: *Scardinius erythrophthalmus*⁽³⁷⁾ (39)(275)(277)(281)(288)(289)(293)(319)(325)(330)(333)(334)(335)(336)(337)(338)

Location: Black Sea Region, Samsun Kızılırmak Delta Bafra Fish Lakes⁽³⁷⁾⁽²⁷⁵⁾, Marmara Region, Gala Lake⁽³⁹⁾, Ömerli Dam Lake⁽²⁷⁷⁾, Sığircı Lake⁽²⁸¹⁾, Sapanca Lake⁽²⁸⁸⁾⁽²⁸⁹⁾⁽²⁹³⁾⁽³³⁸⁾, Durusu (Terkos) Lake⁽²⁹³⁾⁽³³⁶⁾⁽³³⁷⁾, Kocadere Stream⁽³³⁰⁾⁽³³⁴⁾⁽³³⁵⁾, Manyas Lake⁽³¹⁹⁾⁽³²⁵⁾, Karacabey (Bayramdere) Lagoon⁽³³³⁾, Gölbaşı Lake⁽³³⁵⁾

Record: Öztürk and Özer (2014)⁽³⁷⁾, Soylu (2014)⁽³⁹⁾, Özer *et al.* (2012)⁽²⁷⁵⁾, Şimşek (2013)⁽²⁷⁷⁾, Çolak (2013)⁽²⁸¹⁾, Soylu (1990)⁽²⁸⁸⁾, Soylu (1991)⁽²⁸⁹⁾, Soylu (2009)⁽²⁹³⁾, Öztürk (2000)⁽³¹⁹⁾, Öztürk and Altunel (2006)⁽³²⁵⁾, Selver (2008)⁽³³⁰⁾, Öztürk *et al.* (2002)⁽³³³⁾, Selver and Aydoğdu (2006)⁽³³⁴⁾, Aydoğdu *et al.* (2008)⁽³³⁵⁾, Demirtaş (2011)⁽³³⁶⁾, Demirtaş and Altındağ (2011)⁽³³⁷⁾, Kuş and Soylu (2013)⁽³³⁸⁾

***Dactylogyrus difformoides* Gläser & Gusev, 1967**

Synonym: *Neodactylogyrus difformoides* (Glaser & Gussev, 1967)

Microhabitat: Gills

Host: *Scardinius erythrophthalmus*⁽³⁹⁾ (277)(281)(293)(338)(339), *Blicca bjoerkna* (323)

Location: Marmara Region, Durusu (Terkos) Lake⁽²⁹³⁾⁽³³⁹⁾, Sapanca Lake⁽²⁹³⁾⁽³²³⁾⁽³³⁸⁾, Sığircı Lake⁽²⁸¹⁾, Gala Lake⁽³⁹⁾, Ömerli Dam Lake⁽²⁷⁷⁾

Record: Soylu (2014)⁽³⁹⁾, Şimşek (2013)⁽²⁷⁷⁾, Çolak (2013)⁽²⁸¹⁾, Soylu (2009)⁽²⁹³⁾, Soylu (2012)⁽³²³⁾, Kuş and Soylu (2013)⁽³³⁸⁾, Kahveci (2004)⁽³³⁹⁾

***Dactylogyrus distinguendus* Nybelin, 1936**

Synonym: -

Microhabitat: Gills

Host: *Abramis brama*⁽³⁹⁾⁽³³⁶⁾⁽³⁴⁰⁾⁽³⁴²⁾, *Blicca bjoerkna*⁽²⁶⁵⁾⁽³²³⁾⁽³³⁰⁾⁽³⁴¹⁾, *Vimba vimba*⁽²⁷⁷⁾

Location: Marmara Region, Durusu (Terkos) Lake⁽³³⁶⁾⁽³⁴⁰⁾⁽³⁴²⁾, Sapanca Lake⁽³²³⁾, Kocadere Stream⁽³³⁰⁾⁽³⁴¹⁾, Sakarya Büyükakgöl⁽²⁶⁵⁾, Gala Lake⁽³⁹⁾, Central Anatolia Region, Porsuk Stream⁽²⁷⁷⁾

Record: Soylu (2014)⁽³⁹⁾, Altan and Soylu (2018)⁽²⁶⁵⁾, Şimşek (2013)⁽²⁷⁷⁾, Soylu (2012)⁽³²³⁾, Selver (2008)⁽³³⁰⁾, Demirtaş (2011)⁽³³⁶⁾, Karatoy and Soylu (2006)⁽³⁴⁰⁾, Selver *et al.* (2010)⁽³⁴¹⁾, Demirtaş and Altındağ (2011)⁽³⁴²⁾

***Dactylogyrus elegantis* Gusev, 1966**

Synonym: -

Microhabitat: Gills

Host: *Chondrostoma regium*⁽³⁰¹⁾, *Squalius cephalus*⁽³⁰¹⁾, *Acanthobrama marmid*⁽³²⁶⁾

Location: Eastern Anatolia Region, Murat River⁽³⁰¹⁾, Bingöl Göynük Stream⁽³²⁶⁾

Record: Koyun (2011)⁽³⁰¹⁾, Koyun *et al.* (2019)⁽³²⁶⁾

***Dactylogyrus ergensi* Molnár, 1964**

Synonym: *Dactylogyrus toxostomi* (Lambert, 1977) Gusev, 1985, *Neodactylogyrus toxostomi* Lambert, 1977

Microhabitat: Gills

Host: *Pseudophoxinus antalyae*⁽³⁴³⁾

Location: Mediterranean Region, Kepez I Hidroelektrik Power Plant⁽³⁴³⁾

Record: Soylu and Emre (2007)⁽³⁴³⁾

***Dactylogyrus extensus* Mueller & Van Cleave, 1932**

Synonym: *Dactylogyrus hovorkai* Kastak, 1955, *Dactylogyrus solidus* Akhmerov, 1948

Microhabitat: Gills

Host: *Cyprinus carpio*⁽³⁷⁾⁽³⁹⁾⁽²⁶⁴⁾⁽²⁶⁷⁾⁽²⁹⁰⁾⁽²⁹³⁾⁽²⁹⁶⁾⁽³⁰⁰⁾⁽³⁰⁵⁾⁽³⁰⁸⁾⁽³¹⁷⁾⁽³¹⁹⁾⁽³²²⁾⁽³⁴³⁾⁽³⁴⁴⁾⁽³⁴⁵⁾⁽³⁴⁶⁾⁽³⁴⁷⁾⁽³⁴⁸⁾⁽³⁴⁹⁾⁽³⁵⁰⁾⁽³⁵¹⁾⁽³⁵²⁾⁽³⁵³⁾⁽³⁵⁴⁾⁽³⁵⁵⁾⁽³⁵⁷⁾, *Vimba vimba*⁽³⁷⁾⁽³²¹⁾,

Luciobarbus mystaceus⁽²⁸⁰⁾, *Chondrostoma regium*⁽²⁸⁰⁾, *Carassius gibelio*⁽²⁸¹⁾, *Capoeta umbla*⁽²⁹⁶⁾, *Squalius cephalus*⁽²⁹⁶⁾, *Arabibarbus grypus*⁽³⁵⁶⁾

Location: Black Sea Region, Sinop Bektaşağa Pond⁽²⁶⁴⁾, Sinop Sırakarağaçlar Stream⁽³⁰⁵⁾, Samsun Kızılırmak Delta Bafra Fish Lakes⁽³⁷⁾⁽²⁶⁷⁾⁽³²¹⁾, Almus Dam Lake⁽²⁹⁰⁾⁽³⁰⁰⁾, Marmara Region, Sığircı Lake⁽²⁸¹⁾, Uluabat Lake⁽³⁴⁵⁾, Doğancı Dam Lake⁽³¹⁷⁾⁽³⁴⁸⁾, Karacabey Dalyan Lagoon⁽³⁴⁶⁾, Sapanca Lake⁽²⁹³⁾⁽³²²⁾, Durusu (Terkos) Lake⁽²⁹³⁾⁽³⁵⁵⁾, İznik Lake⁽³⁴⁴⁾⁽³⁴⁹⁾⁽³⁴⁷⁾, Manyas Lake⁽³¹⁹⁾⁽³⁵⁷⁾, Gala Lake⁽³⁹⁾, Central Anatolia Region, Akşehir Lake⁽³⁵³⁾, Emre Dam Lake⁽³⁰⁸⁾, Eastern Anatolia Region, Hazar Lake⁽²⁹⁶⁾, Keban Dam Lake⁽²⁸⁰⁾, Atatürk Dam Lake⁽³⁵⁶⁾, Mediterranean Region, Kepez I Hidroelektrik Power Plant⁽³⁴³⁾, Aegean Region, Tahtalı Dam Lake⁽³⁵⁴⁾, Eber Lake⁽³⁵⁰⁾, Selevir Dam Lake⁽³⁵¹⁾, Karamık Lake⁽³⁵²⁾
Record: Öztürk and Özer (2014)⁽³⁷⁾, Soylu (2014)⁽³⁹⁾, Özer and Erdem (1999)⁽²⁶⁴⁾, Öztürk *et al.* (2012)⁽²⁶⁷⁾, Sağlam (1992)⁽²⁸⁰⁾, Çolak (2013)⁽²⁸¹⁾,

Turgut (2005)⁽²⁹⁰⁾, Soylu (2009)⁽²⁹³⁾, Aksoy *et al.* (2006)⁽²⁹⁶⁾, Özgül (2008)⁽³⁰⁰⁾, Özer (2002)⁽³⁰⁵⁾, Öztürk (2011)⁽³⁰⁸⁾, Aydoğdu (2001)⁽³¹⁷⁾, Öztürk (2000)⁽³¹⁹⁾, Öztürk *et al.* (2012)⁽³²¹⁾, Uzunay and Soylu (2006)⁽³²²⁾, Soylu and Emre (2007)⁽³⁴³⁾, Aydoğdu (1996)⁽³⁴⁴⁾, Oğuz *et al.* (1996)⁽³⁴⁵⁾, Aydoğdu *et al.* (2001)⁽³⁴⁶⁾, Aydoğdu and Altunel (2002)⁽³⁴⁷⁾, Aydoğdu ve Altunel (2002)⁽³⁴⁸⁾, Aydoğdu *et al.* (2003)⁽³⁴⁹⁾, Öztürk (2005)⁽³⁵⁰⁾, Öztürk and Bulut (2006)⁽³⁵¹⁾, Kutlu and Öztürk (2006)⁽³⁵²⁾, Kartal and Öztürk (2009)⁽³⁵³⁾, Karakişi and Demir (2012)⁽³⁵⁴⁾, Demirtaş and Şenel (2012)⁽³⁵⁵⁾, Dal (2006)⁽³⁵⁶⁾, Öztürk and Altunel (2006)⁽³⁵⁷⁾

***Dactylogyrus falcatus* (Wedl, 1858) Diesing, 1858**

Synonym: *Dactylogyrus graciliuncinatus* Alarotu, 1944, *Gyrodactylus falcatus* Wedl, 1858

Microhabitat: Gills

Host: *Blicca bjoerkna*⁽³²³⁾

Location: Marmara Region, Sapanca Lake⁽³²³⁾

Record: Soylu (2012)⁽³²³⁾

***Dactylogyrus fraternus* Wegener, 1910**

Synonym: *Neodactylogyrus fraternus* (Wagener, 1909)

Microhabitat: Gills

Host: *Alburnus alburnus*⁽²⁹⁷⁾⁽²⁹⁸⁾⁽²⁹⁹⁾⁽³⁰²⁾⁽³⁵⁸⁾

Location: Marmara Region, Mustafakemalpaşa Stream⁽²⁹⁷⁾, Aegean Region, Enne Dam Lake⁽²⁹⁸⁾⁽²⁹⁹⁾⁽³⁵⁸⁾, Central Anatolia Region, Porsuk Stream⁽³⁰²⁾

Record: Aydoğdu and Selver (2006)⁽²⁹⁷⁾, Koyun and Altunel (2007)⁽²⁹⁸⁾, Koyun (2001)⁽²⁹⁹⁾, Koyun (2011)⁽³⁰²⁾, Koyun and Altunel (2010)⁽³⁵⁸⁾

***Dactylogyrus frisii* Bychowsky, 1933**

Synonym: -
Microhabitat: Gills
Host: *Rutilus frisii*⁽²⁹³⁾
Location: Marmara Region, Durusu Lake⁽²⁹³⁾
Record: Soylu (2009)⁽²⁹³⁾

Dactylogyrus goktschaicus Gusev,
1966

Synonym: -
Microhabitat: Gills
Host: *Barbus lacerta*⁽³⁵⁹⁾
Location: Eastern Anatolia Region, Murat River⁽³⁵⁹⁾
Record: Koyun *et al.* (2015)⁽³⁵⁹⁾

Dactylogyrus haplogonoides Gusev,
1966

Synonym: -
Microhabitat: Gills
Host: *Vimba vimba*⁽³⁹⁾
Location: Marmara Region, Gala Lake⁽³⁹⁾
Record: Soylu (2014)⁽³⁹⁾

Dactylogyrus holciki Molnár &
Jalali, 1992

Synonym: -
Microhabitat: Gills
Host: *Alburnus mossulensis*⁽³⁰⁴⁾
Location: Eastern Anatolia Region, Murat River⁽³⁰⁴⁾
Record: Tunç and Soylu (2018)⁽³⁰⁴⁾

Dactylogyrus inexpectatus Izjumova
in Gusev, 1955

Synonym: -
Microhabitat: Gills
Host: *Carassius gibelio*⁽³⁹⁾⁽²⁸¹⁾
Location: Marmara Region, Gala Lake⁽³⁹⁾, Sığircı Lake⁽²⁸¹⁾
Record: Soylu (2014)⁽³⁹⁾, Çolak (2013)⁽²⁸¹⁾

Dactylogyrus izjumovae Gusev, 1966

Synonym: -
Microhabitat: Gills

Host: *Scardinius erythrophthalmus*⁽²⁹³⁾⁽³³⁹⁾
Location: Marmara Region, Durusu (Terkos) Lake⁽²⁹³⁾⁽³³⁹⁾
Record: Soylu (2009)⁽²⁹³⁾, Kahveci (2004)⁽³³⁹⁾

Dactylogyrus lenkorani Mikailov,
1967

Synonym: *Dactylogyrus araxicus* Mikailov, 1974, *Dactylogyrus lenkorani araxicus* (Mikailov, 1974) Matsaberidze, 1990
Microhabitat: Gills
Host: *Capoeta trutta*⁽³²⁶⁾, *Alburnus mossulensis*⁽³⁰⁴⁾, *Barbus lacerta*⁽³⁵⁹⁾, *Capoeta umbla*⁽³⁶⁰⁾
Location: Eastern Anatolia Region, Bingöl Göynük Stream⁽³²⁶⁾, Murat River⁽³⁰⁴⁾⁽³⁵⁹⁾⁽³⁶⁰⁾
Record: Tunç and Koyun (2018)⁽³⁰⁴⁾, Koyun *et al.* (2019)⁽³²⁶⁾, Koyun *et al.* (2015)⁽³⁵⁹⁾, Koyun (2012)⁽³⁶⁰⁾

Dactylogyrus macracanthus
Wegener, 1910

Synonym: *Dactylogyrus monocornis* Ergens, 1956
Microhabitat: Gills
Host: *Tinca tinca*⁽²⁸⁸⁾⁽²⁸⁹⁾⁽²⁹³⁾⁽³⁶¹⁾⁽³⁶²⁾⁽³⁶³⁾⁽³⁶⁴⁾
Location: Marmara Region, Sapanca Lake⁽²⁸⁸⁾⁽²⁸⁹⁾⁽²⁹³⁾⁽³⁶³⁾⁽³⁶⁴⁾, Uluabat Lake⁽³⁶¹⁾, Durusu (Terkos) Lake⁽²⁹³⁾⁽³⁶²⁾
Record: Soylu (1990)⁽²⁸⁸⁾, Soylu (1991)⁽²⁸⁹⁾, Öztürk (2002)⁽³⁶¹⁾, Soylu (2003)⁽³⁶²⁾, Akbeniz (2006)⁽³⁶³⁾, Akbeniz and Soylu (2008)⁽³⁶⁴⁾

Dactylogyrus malleus Linstow, 1877

Synonym: *Neodactylogyrus malleus* (Linstow, 1877)
Microhabitat: Gills
Host: *Barbus plebejus*⁽²⁹⁰⁾⁽²⁹⁵⁾⁽³⁰³⁾, *Capoeta umbla*⁽²⁹⁶⁾
Location: Black Sea Region, Almus Dam Lake⁽²⁹⁰⁾⁽²⁹⁵⁾⁽³⁰³⁾, Eastern Anatolia Region, Hazar Lake⁽²⁹⁶⁾

Record: Turgut (2005)⁽²⁹⁰⁾, Develi (2008)⁽²⁹⁵⁾, Aksoy *et al.* (2006)⁽²⁹⁶⁾, Turgut Neary *et al.* (2012)⁽³⁰³⁾

***Dactylogyrus minutus* Kulwiec, 1927**

Synonym: -

Microhabitat: Gills

Host: *Cyprinus carpio*⁽²⁷⁰⁾⁽²⁷¹⁾⁽²⁸⁰⁾⁽³¹²⁾⁽³¹⁴⁾⁽³⁶⁵⁾⁽³⁶⁶⁾⁽³⁶⁷⁾⁽³⁶⁸⁾⁽³⁶⁹⁾, *Carassius gibelio*⁽³¹³⁾, *Carassius carassius*⁽³⁰⁶⁾⁽³¹²⁾⁽³¹⁰⁾, *Luciobarbus pectoralis*⁽²⁸⁰⁾, *Capoeta umbla*⁽²⁹⁶⁾, *Alburnus alburnus*⁽³⁰²⁾

Location: Mediterranean Region, Karacaören I Dam Lake⁽³⁶⁵⁾⁽³⁶⁸⁾, Beyşehir Lake⁽³⁶⁶⁾⁽³⁶⁹⁾, Kovada Lake⁽³⁰⁶⁾⁽³¹⁰⁾⁽³⁶⁷⁾, Karacaören II Dam Lake⁽³¹²⁾⁽³¹³⁾⁽³¹⁴⁾, Seyhan Dam Lake⁽²⁷⁰⁾⁽²⁷¹⁾, Eastern Anatolia Region, Keban Dam Lake⁽²⁸⁰⁾, Hazar Lake⁽²⁹⁶⁾, Central Anatolia Region, Porsuk Stream⁽³⁰²⁾

Record: İnce (2013)⁽²⁷⁰⁾, İnce and Uslu (2017)⁽²⁷¹⁾, Sağlam (1992)⁽²⁸⁰⁾, Aksoy *et al.* (2006)⁽²⁹⁶⁾, Koyun (2011)⁽³⁰²⁾, Tekin Özkan and Kır (2005)⁽³⁰⁶⁾, Kır (2007)⁽³¹⁰⁾, Samancı (2011)⁽³¹²⁾, Kır and Samancı (2012)⁽³¹³⁾, Kır *et al.* (2013)⁽³¹⁴⁾, Kır *et al.* (2004)⁽³⁶⁵⁾, Tekin Özkan (2005)⁽³⁶⁶⁾, Kır and Tekin Özkan (2007)⁽³⁶⁷⁾, Kır (1998)⁽³⁶⁸⁾, Tekin Özkan *et al.* (2008)⁽³⁶⁹⁾

***Dactylogyrus nanus* Dogiel & Bychowsky, 1934**

Synonym: *Dactylogyrus folkmanovae* Ergens, 1956, *Dactylogyrus gemellus* Nybelin, 1937

Microhabitat: Gills

Host: *Squalius cephalus*⁽³¹⁷⁾⁽³⁷⁰⁾

Location: Marmara Region, Doğançı Dam Lake⁽³¹⁷⁾, Susurluk Stream⁽³⁷⁰⁾

Record: Aydoğdu (2001)⁽³¹⁷⁾, Gürkan and Tekin Özkan (2012)⁽³⁷⁰⁾

***Dactylogyrus narzikulovi* Gusev & Dzhililov, 1984**

Synonym: -

Microhabitat: Gills

Host: *Capoeta tinca*⁽³⁰⁰⁾

Location: Black Sea Region, Almus Dam Lake⁽³⁰⁰⁾

Record: Özgül (2008)⁽³⁰⁰⁾

***Dactylogyrus naviculoides* Ergens, 1960**

Synonym: *Dactylogyrus navicularis* Ergens, 1956 nec Gusev, 1955

Microhabitat: Gills

Host: *Squalius cephalus*⁽²⁹⁰⁾⁽²⁹⁵⁾⁽³⁰³⁾

Location: Black Sea Region, Almus Dam Lake⁽²⁹⁰⁾⁽²⁹⁵⁾⁽³⁰³⁾

Record: Turgut (2005)⁽²⁹⁰⁾, Develi (2008)⁽²⁹⁵⁾, Turgut Neary *et al.* (2012)⁽³⁰³⁾

***Dactylogyrus nybelini* Markevich, 1933**

Synonym: -

Microhabitat: Gills

Host: *Rutilus frisii*⁽²⁹³⁾

Location: Marmara Region, Durusu Lake⁽²⁹³⁾

Record: Soylu (2009)⁽²⁹³⁾

***Dactylogyrus phoxini* Malevitskaia, 1949**

Synonym: *Neodactylogyrus phoxini* (Malewitszkaja, 1949)

Microhabitat: Gills

Host: *Cyprinus carpio*⁽²⁹³⁾⁽³²²⁾

Location: Marmara Region, Sapanca Lake⁽²⁹³⁾⁽³²²⁾

Record: Soylu (2009)⁽²⁹³⁾, Uzunay and Soylu (2006)⁽³²²⁾

***Dactylogyrus prostae* Molnár, 1964**

Synonym: *Neodactylogyrus prostae* (Molnar, 1964)

Microhabitat: Gills

Host: *Squalius cephalus*⁽³⁰¹⁾

Location: Eastern Anatolia Region, Murat River⁽³⁰¹⁾

Record: Koyun (2011)⁽³⁰¹⁾

***Dactylogyrus pulcher* Bychowsky, 1957**

Synonym: -

Microhabitat: Gills

Host: *Capoeta capoeta*⁽²⁹⁰⁾⁽³⁰⁰⁾,
Capoeta trutta⁽³²⁶⁾

Location: Black Sea Region, Almus Dam Lake⁽²⁹⁰⁾⁽³⁰⁰⁾; Eastern Anatolia Region, Bingöl Göynük Stream⁽³²⁶⁾

Record: Turgut (2005)⁽²⁹⁰⁾, Özgül (2008)⁽³⁰⁰⁾, Koyun *et al.* (2019)⁽³²⁶⁾

***Dactylogyrus rectotrabus* Gusev, Jalali & Molnár, 1993**

Synonym: -

Microhabitat: Gills

Host: *Garra rufa*⁽³⁰¹⁾

Location: Eastern Anatolia Region, Murat River⁽³⁰¹⁾

Record: Koyun (2011)⁽³⁰¹⁾

***Dactylogyrus sphyrna* Linstow, 1878**

Synonym: -

Microhabitat: Gills

Host: *Scopthalmus erythrophthalmus*⁽²⁹³⁾⁽³³⁸⁾, *Vimba vimba*⁽²⁷⁷⁾⁽²⁹³⁾⁽³²²⁾⁽³⁷³⁾, *Abramis brama*⁽²⁹³⁾⁽³³⁶⁾⁽³⁴⁰⁾⁽³⁴²⁾, *Rutilus rutilus*⁽³⁹⁾⁽²⁸¹⁾⁽²⁸⁸⁾⁽²⁸⁹⁾⁽²⁹³⁾⁽³²⁸⁾⁽³²⁹⁾, *Blicca bjoerkna*⁽²⁶⁵⁾⁽²⁸⁸⁾⁽²⁸⁹⁾⁽³¹⁹⁾⁽³²³⁾⁽³²⁵⁾⁽³³⁰⁾⁽³⁴¹⁾⁽³⁵⁾, *Capoeta trutta*⁽²⁸⁰⁾, *Chondrostoma regium*⁽²⁸⁰⁾, *Sarmarutilus rubilio*⁽³⁷²⁾, *Pseudophoxinus antalyae*⁽³⁴³⁾, *Tinca tinca*⁽²⁷⁰⁾⁽²⁷¹⁾, *Sander lucioperca*⁽²⁷⁰⁾⁽²⁷¹⁾, *Capoeta* sp.⁽²⁷⁰⁾⁽²⁷¹⁾, *Alburnus chalcoides*⁽³²⁸⁾

Location: Marmara Region, Sapanca Lake⁽²⁸⁸⁾⁽²⁸⁹⁾⁽²⁹³⁾⁽³²²⁾⁽³²³⁾⁽³²⁹⁾⁽³³⁸⁾, Durusu (Terkos) Lake⁽³³⁶⁾⁽³⁴⁰⁾⁽³⁴²⁾, Gölbaşı Dam Lake⁽³⁷³⁾, Durusu Lake⁽²⁹³⁾, Uluabat Lake⁽³²⁸⁾⁽³⁷¹⁾, Manyas Lake⁽³¹⁹⁾⁽³²⁵⁾, İznik Lake⁽³⁷²⁾, Sığircı Lake⁽²⁸¹⁾, Kocadere Stream⁽³³⁰⁾⁽³⁴¹⁾, Sakarya Büyükakgöl⁽²⁶⁵⁾, Gala Lake⁽³⁹⁾; Eastern Anatolia Region, Keban Dam Lake⁽²⁸⁰⁾; Mediterranean Region, Kepez I Hidroelektrik Power Plant⁽³⁴³⁾, Seyhan Dam Lake⁽²⁷⁰⁾⁽²⁷¹⁾; Central Anatolia Region, Porsuk Stream⁽²⁷⁷⁾

Record: Soylu (2014)⁽³⁹⁾, Altan and Soylu (2018)⁽²⁶⁵⁾, İnce (2013)⁽²⁷⁰⁾, İnce and Uslu (2017)⁽²⁷¹⁾, Şimşek (2013)⁽²⁷⁷⁾, Sağlam (1992)⁽²⁸⁰⁾, Çolak (2013)⁽²⁸¹⁾, Soylu (1990)⁽²⁸⁸⁾, Soylu (1991)⁽²⁸⁹⁾, Soylu (2009)⁽²⁹³⁾, Öztürk (2000)⁽³¹⁹⁾, Uzunay and Soylu (2006)⁽³²²⁾, Soylu (2012)⁽³²³⁾, Öztürk and Altunel (2006)⁽³²⁵⁾, Öztürk (2005)⁽³²⁸⁾, Karabiber (2006)⁽³²⁹⁾, Selver (2008)⁽³³⁰⁾, Demirtaş (2011)⁽³³⁶⁾, Kuş and Soylu (2013)⁽³³⁸⁾, Karatoy and Soylu (2006)⁽³⁴⁰⁾, Selver *et al.* (2010)⁽³⁴¹⁾, Demirtaş and Altındağ (2011)⁽³⁴²⁾, Soylu and Emre (2007)⁽³⁴³⁾, Akıncı (1999)⁽³⁷¹⁾, Aydoğdu *et al.* (2000)⁽³⁷²⁾, Aydoğdu *et al.* (2008)⁽³⁷³⁾

***Dactylogyrus tuba* Linstow, 1878**

Synonym: -

Microhabitat: Gills

Host: *Leuciscus aspius*⁽³⁹⁾

Location: Marmara Region, Gala Lake⁽³⁹⁾

Record: Soylu (2014)⁽³⁹⁾

***Dactylogyrus turcicus* Aydoğdu, Molnar, Emre, Emre, 2015**

Synonym: -

Microhabitat: Gills

Host: *Capoeta angorae*⁽³¹⁵⁾

Location: Central Anatolia Region, Beyşehir Lake Sarıöz Stream⁽³¹⁵⁾

Record: Aydoğdu *et al.* (2015)⁽³¹⁵⁾

***Dactylogyrus vastator* Nybelin, 1924**

Synonym: *Dactylogyrus laymani* Shpolyanskaja, 1953

Microhabitat: Gills

Host: *Cyprinus carpio*⁽²⁶⁰⁾⁽²⁶²⁾⁽²⁷³⁾⁽³⁷⁴⁾, *Aphanius* sp.⁽³⁷⁴⁾, *Capoeta capoeta*⁽³⁷⁵⁾, *Alburnus orontis*⁽³⁷⁵⁾, *Carassius carassius*⁽²⁸⁷⁾, *Carassius gibelio*⁽³⁹⁾⁽²⁸¹⁾

Location: Aegean Region, Bafa Lake⁽³⁷⁴⁾, Çiğli Stream⁽³⁷⁴⁾; Mediterranean Region, Seyhan River⁽²⁶⁰⁾, Adana DSI⁽²⁶²⁾, Balıklıağ

Stream⁽³⁷⁵⁾, Kepez I Hidroelektrik Power Plant⁽²⁸⁷⁾; Central Anatolia Region, Yamula Dam Lake⁽²⁷³⁾; Marmara Region, Gala Lake⁽³⁹⁾, Sığircı Lake⁽²⁸¹⁾
Record: Soylu (2014)⁽³⁹⁾, Cengizler et al. (2001)⁽²⁶⁰⁾, Güleç and Şahan (2010)⁽²⁶²⁾, Kılınçaslan (2007)⁽²⁷³⁾, Çolak (2013)⁽²⁸¹⁾, Soylu and Emre (2005)⁽²⁸⁷⁾, Geldiay and Balık (1974)⁽³⁷⁴⁾, Cengizler and Göksu (1994)⁽³⁷⁵⁾

***Dactylogyrus vistulae* Prost, 1957**

Synonym: -

Microhabitat: Gills

Host: *Rutilus rutilus*⁽³⁹⁾⁽²⁹³⁾⁽³²⁹⁾, *Squalius cephalus*⁽²⁹⁰⁾⁽²⁹⁵⁾⁽³⁰¹⁾⁽³⁰³⁾⁽³¹⁷⁾⁽³⁷⁰⁾⁽³⁷⁷⁾⁽³⁷⁸⁾⁽³⁷⁹⁾⁽³⁸⁰⁾⁽³⁸¹⁾⁽³⁸²⁾, *Squalius carinus*⁽²⁵⁷⁾, *Chondrostoma regium*⁽²⁹⁰⁾⁽³⁰⁰⁾⁽³⁰¹⁾⁽³⁰³⁾⁽³⁷⁶⁾, *Alburnus mossulensis*⁽³⁰⁴⁾

Location: Marmara Region, Sapanca Lake⁽²⁹³⁾⁽³²⁹⁾, Doğançı Dam Lake⁽³¹⁷⁾, Susurluk Stream⁽³⁷⁰⁾, Gala Lake⁽³⁹⁾; Black Sea Region, Almus Dam Lake⁽²⁹⁰⁾⁽²⁹⁵⁾⁽³⁰⁰⁾⁽³⁰³⁾⁽³⁷⁶⁾; Aegean Region, Denizli Işıklı Dam Lake⁽²⁵⁷⁾, Örenler Dam Lake⁽³⁷⁷⁾⁽³⁷⁸⁾, Topoluk Dam Lake⁽³⁸²⁾, Serban Dam Lake⁽³⁷⁹⁾⁽³⁸⁰⁾, Taşoluk Dam Lake⁽³⁸¹⁾; Eastern Anatolia Region, Murat River⁽³⁰¹⁾⁽³⁰⁴⁾

Record: Soylu (2014)⁽³⁹⁾, Soylu et al. (2017)⁽²⁵⁷⁾, Turgut (2005)⁽²⁹⁰⁾, Soylu (2009)⁽²⁹³⁾, Develi (2008)⁽²⁹⁵⁾, Özgül (2008)⁽³⁰⁰⁾, Koyun (2011)⁽³⁰¹⁾, Turgut Neary et al. (2012)⁽³⁰³⁾, Tunç and Koyun (2018)⁽³⁰⁴⁾, Aydoğdu (2001)⁽³¹⁷⁾, Karabiber (2006)⁽³²⁹⁾, Gürkan and Tekin Özcan (2012)⁽³⁷⁰⁾, Özgül and Turgut (2006)⁽³⁷⁶⁾, Kurupınar (2009)⁽³⁷⁷⁾, Kurupınar and Öztürk (2009)⁽³⁷⁸⁾, Açıkel (2011)⁽³⁷⁹⁾, Açıkel and Öztürk (2011)⁽³⁸⁰⁾, Yazmen (2012)⁽³⁸¹⁾, Yazmen and Öztürk (2014)⁽³⁸²⁾

***Dactylogyrus wunderi* Bychowsky, 1931**

Synonym: -

Microhabitat: Gills

Host: *Abramis brama*⁽³⁹⁾, *Blicca bjoerkna*⁽³²³⁾

Location: Marmara Region, Gala Lake⁽³⁹⁾, Sapanca Lake⁽³²³⁾

Record: Soylu (2014)⁽³⁹⁾, Soylu (2012)⁽³²³⁾

***Dactylogyrus* sp.**

Synonym: -

Microhabitat: Gills, skin, fins

Host: *Vimba vimba*⁽³⁾⁽⁴⁾⁽³⁹⁾, *Tinca tinca*⁽²⁵⁶⁾⁽²⁵⁸⁾⁽³⁸⁴⁾, *Cyprinus carpio*⁽²⁵⁶⁾⁽²⁵⁸⁾⁽²⁵⁹⁾⁽²⁷⁴⁾⁽³⁸³⁾⁽³⁸⁵⁾, *Silurus glanis*⁽²⁵⁶⁾, *Alburnus* sp.⁽²⁵⁶⁾, *Alburnus escherichii*⁽²⁵⁸⁾, *Barbus* sp.⁽²⁵⁶⁾, *Capoeta capoeta*⁽³⁰⁰⁾, *Capoeta* sp.⁽²⁵⁶⁾, *Chondrostoma* sp.⁽²⁵⁶⁾, *Onychostoma* sp.⁽²⁵⁶⁾, *Abramis brama*⁽²⁷⁶⁾, *Rutilus rutilus*⁽²⁷⁶⁾⁽²⁷⁸⁾, *Alburnus mossulensis*⁽³⁰⁴⁾

Location: Central Anatolia Region, Ankara⁽²⁵⁶⁾, Gölbaşı Lake⁽²⁵⁶⁾, Eymir Lake⁽²⁵⁶⁾, Çifteler Sakaryabaşı Fish Üretim Tesisi⁽²⁵⁶⁾, Kurtboğazi Dam Lake⁽³⁸⁵⁾, Mogan Lake⁽³⁸⁵⁾, Hirfanlı Dam Lake⁽³⁸⁵⁾, Kurtboğazi Dam Lake⁽³⁸⁵⁾, Kirmir Stream (Bey pazarı)⁽³⁸⁵⁾, Sarıyar Dam Lake⁽²⁵⁶⁾, Kızılcahamam Stream⁽²⁵⁶⁾, Nallıhan Stream⁽²⁵⁶⁾, Hirfanlı Dam Lake⁽²⁵⁶⁾, Çankırı Günerdiğin Pond⁽²⁵⁹⁾, Mogan Lake⁽²⁵⁸⁾, Marmara Region, Kocadere Lake⁽³⁸³⁾, Uluabat Lake⁽³⁸³⁾, Ekinli Lagoon⁽³⁸³⁾, İznik Lake⁽³⁸⁴⁾, Gala Lake⁽³⁹⁾, Sakarya River⁽²⁷⁶⁾, Büyükçekmece Dam Lake⁽²⁷⁸⁾; Black Sea Region, Sinop Sırakaraağaçlar Stream^(47,48), Almus Dam Lake⁽³⁰⁰⁾; South-Eastern Anatolia Region, Şanlıurfa Balıklı Göl⁽²⁷⁴⁾; Eastern Anatolia Region, Murat River⁽³⁰⁴⁾

Record: Ünsal (2008)⁽³⁾, Özer and Ünsal (2009)⁽⁴⁾, Soylu (2014)⁽³⁹⁾, Burgu et al. (1988)⁽²⁵⁶⁾, Sönmez (1996)⁽²⁵⁸⁾, Atay et al. (1996)⁽²⁵⁹⁾, Pişkin and Ütük (2008)⁽²⁷⁴⁾, Akmirza and Yardımcı (2014)⁽²⁷⁶⁾, Yardımcı et al. (2018)⁽²⁷⁸⁾, Özgül (2008)⁽³⁰⁰⁾, Tunç

and Koyun (2018)⁽³⁰⁴⁾, Oğuz (1991)⁽³⁸³⁾, Aydoğdu *et al.* (1996)⁽³⁸⁴⁾, Erkul (1997)⁽³⁸⁵⁾

***Dogielius forceps* Bychowsky, 1936**

Synonym: -

Microhabitat: Gills

Host: *Capoeta umbla*⁽³⁶⁰⁾⁽³⁸⁶⁾

Location: Eastern Anatolia Region, Murat River⁽³⁶⁰⁾⁽³⁸⁶⁾

Record: Koyun (2012)⁽³⁶⁰⁾, Koyun (2011)⁽³⁸⁶⁾

***Dogielius mokhayeri* Jalali & Molnár, 1990**

Synonym: -

Microhabitat: Gills

Host: *Capoeta trutta*⁽³²⁶⁾, *Barbus lacerta*⁽³⁵⁹⁾

Location: Eastern Anatolia Region, Bingöl Göynük Stream⁽³²⁶⁾, Murat River⁽³⁵⁹⁾

Record: Koyun *et al.* (2019)⁽³²⁶⁾, Koyun *et al.* (2015)⁽³⁵⁹⁾

FAMILY PSEUDODACTYLOGYRIDAE

***Pseudodactylogyrus anguillae* (Yin & Sproston, 1948) Gusev, 1965**

Synonym: *Dactylogyrus anguillae* (Yin & Sproston, 1948) Gusev, 1965, *Neodactylogyrus anguillae* Yin & Sproston, 1948

Microhabitat: Gills

Host: *Anguilla anguilla*⁽³⁹⁾⁽²⁸¹⁾

Location: Marmara Region, Gala Lake⁽³⁹⁾, Sığircı Lake⁽²⁸¹⁾

Record: Soylu (2014)⁽³⁹⁾, Çolak (2013)⁽²⁸¹⁾

***Pseudodactylogyrus bini* (Kikuchi, 1929)**

Synonym: *Dactylogyrus bini* Kikuchi, 1929

Microhabitat: Gills

Host: *Anguilla anguilla*⁽³⁹⁾⁽²⁸¹⁾

Location: Marmara Region, Gala Lake⁽³⁹⁾, Sığircı Lake⁽²⁸¹⁾

Record: Soylu (2014)⁽³⁹⁾, Çolak (2013)⁽²⁸¹⁾

ORDER GYRODACTYLIDEA FAMILY GYRODACTYLIDAE

***Gyrodactylus carassii* Malmberg, 1957**

Synonym: -

Microhabitat: Gills

Host: *Carassius gibelio*⁽³⁰⁷⁾, *Carassius carassius*⁽³⁰⁹⁾

Location: Central Anatolia Region, Seyitler Dam Lake⁽³⁰⁷⁾; Marmara Region, Gölbaşı Dam Lake⁽³⁰⁹⁾

Record: Öztürk (2010)⁽³⁰⁷⁾, Aydoğdu (2006)⁽³⁰⁹⁾

***Gyrodactylus cobitis* Bychowsky, 1933**

Synonym: -

Microhabitat: Gills, fins

Host: *Cobitis simplispinna*⁽³⁵³⁾

Location: Central Anatolia Region, Akşehir Lake⁽³⁵³⁾

Record: Kartal and Öztürk (2009)⁽³⁵³⁾

***Gyrodactylus cyprini* Diarova, 1964**

Synonym: *Gyrodactylus cyprini* Osmanov, 1965

Microhabitat: Gills

Host: *Cyprinus carpio*⁽³⁷⁾⁽²⁶⁷⁾

Location: Black Sea Region, Samsun Kızılırmak Delta Bafra Fish Lakes⁽³⁷⁾⁽²⁶⁷⁾

Record: Öztürk and Özer (2014)⁽³⁷⁾, Öztürk *et al.* (2012)⁽²⁶⁷⁾

***Gyrodactylus elegans* von Nordmann, 1832**

Synonym: *Gyrodactylus parvicopula* Bychowsky, 1933

Microhabitat: Gills, fins

Host: *Cyprinus carpio*⁽²⁶⁰⁾⁽³⁵⁰⁾⁽³⁵¹⁾

⁽³⁵²⁾⁽³⁵³⁾⁽³⁵⁵⁾⁽³⁷⁴⁾, *Luciobarbus pectoralis*⁽²⁶¹⁾, *Abramis brama*⁽²⁷⁶⁾,

Barbus plebejus⁽²⁹⁰⁾⁽²⁹⁵⁾,
Chondrostoma regium⁽²⁹⁰⁾⁽³⁰⁰⁾,
Location: Marmara Region, Sakarya
 River⁽²⁷⁶⁾, Durusu (Terkos) Lake⁽³⁵⁵⁾;
Aegean Region, Eber Lake⁽³⁵⁰⁾,
 Selevir Dam Lake⁽³⁵¹⁾, Karamık
 Lake⁽³⁵²⁾, Eski Gediz Stream⁽³⁷⁴⁾;
Mediterranean Region, Seyhan
 River⁽²⁶⁰⁾⁽²⁶¹⁾; Central Anatolia
Region, Akşehir Lake⁽³⁵³⁾; Black Sea
Region, Almus Dam Lake⁽²⁹⁰⁾⁽³⁰⁰⁾⁽²⁹⁵⁾
Record: Cengizler *et al.* (2001)⁽²⁶⁰⁾,
 Şahan and Cengizler (2003)⁽²⁶¹⁾,
 Akmırza and Yardımcı
 (2014)⁽²⁷⁶⁾, Turgut (2005)⁽²⁹⁰⁾, Develi
 (2008)⁽²⁹⁵⁾, Özgül (2008)⁽³⁰⁰⁾, Öztürk
 (2005)⁽³⁵⁰⁾, Öztürk and Bulut
 (2006)⁽³⁵¹⁾, Kutlu and Öztürk
 (2006)⁽³⁵²⁾, Kartal and Öztürk
 (2009)⁽³⁵³⁾, Demirtaş and Öztürk
 (2012)⁽³⁵⁵⁾, Geldiay and Balık
 (1974)⁽³⁷⁴⁾

***Gyrodactylus gobii* Schulman, 1953**

Synonym: -
Microhabitat: Gills, skin
Host: *Neogobius fluviatilis*⁽³⁸⁷⁾
Location: Marmara Region, Uluabat
 Lake⁽³⁸⁷⁾
Record: Öztürk *et al.* (2002)⁽³⁸⁷⁾

***Gyrodactylus hemibarbi* Ergens,
1980**

Synonym: -
Microhabitat: Gills
Host: *Barbus plebejus*⁽²⁹⁰⁾⁽²⁹⁵⁾
Location: Black Sea Region, Almus
 Dam Lake⁽²⁹⁰⁾⁽²⁹⁵⁾
Record: Turgut (2005)⁽²⁹⁰⁾, Develi
 (2008)⁽²⁹⁵⁾

***Gyrodactylus katharineri* Malmberg,
1964**

Synonym: *Gyrodactylus cyprini*
 Kollman, 1968
Microhabitat: Gills
Host: *Carassius auratus*⁽²⁹⁸⁾⁽²⁹⁹⁾,
Carassius carassius⁽²⁹⁸⁾⁽²⁹⁹⁾⁽³¹¹⁾
Location: Aegean Region, Enne Dam
 Lake⁽²⁹⁸⁾⁽²⁹⁹⁾⁽³¹¹⁾

Record: Koyun and Altunel
 (2007)⁽²⁹⁸⁾, Koyun (2001)⁽²⁹⁹⁾, Koyun
 and Altunel (2011)⁽³¹¹⁾

***Gyrodactylus latus* Bychowsky, 1933**

Synonym: -
Microhabitat: Gills
Host: *Pseudophoxinys crassus*⁽³⁸⁸⁾
Location: Central Anatolia Region,
 Konya İncesu Stream⁽³⁸⁸⁾
Record: Aydoğdu *et al.* (2014)⁽³⁸⁸⁾

***Gyrodactylus macrocornis* Ergens,
1963**

Synonym: *Gyrodactylus*
chondrostomatis Zitnan, 1964
Microhabitat: Gills
Host: *Chondrostoma regium*⁽²⁹⁰⁾⁽³⁰⁰⁾
Location: Black Sea Region, Almus
 Dam Lake⁽²⁹⁰⁾⁽³⁰⁰⁾
Record: Turgut (2005)⁽²⁹⁰⁾, Özgül
 (2008)⁽³⁰⁰⁾

***Gyrodactylus medius* Kathariner,
1895**

Synonym: -
Microhabitat: Gills
Host: *Tinca tinca*⁽³⁸⁹⁾
Location: Mediterranean Region,
 Kovada Lake⁽³⁸⁹⁾
Record: Kır and Tekin-Özan
 (2005)⁽³⁸⁹⁾

***Gyrodactylus narzikulovi* Ergens &
Dzhalilov, 1979**

Synonym: -
Microhabitat: Gills
Host: *Capoeta tinca*⁽²⁹⁰⁾
Location: Black Sea Region, Almus
 Dam Lake⁽²⁹⁰⁾
Record: Turgut (2005)⁽²⁹⁰⁾

***Gyrodactylus prostaе* Ergens 1964**

Synonym: -
Microhabitat: Gills
Host: *Squalius cephalus*⁽³⁸¹⁾⁽³⁹⁰⁾

Location: Aegean Region, Taşoluk Dam Lake⁽³⁸¹⁾⁽³⁹⁰⁾
Record: Yazmen (2012)⁽³⁸¹⁾, Yazmen and Öztürk (2014)⁽³⁹⁰⁾

***Gyrodactylus scardinii* Malmberg, 1957**

Synonym: -
Microhabitat: Gills
Host: *Cyprinus carpio*⁽³¹⁹⁾⁽³⁹¹⁾
Location: Marmara Region, Manyas Lake⁽³¹⁹⁾⁽³⁹¹⁾
Record: Öztürk (2000)⁽³¹⁹⁾, Öztürk (2010)⁽³⁹¹⁾

***Gyrodactylus scardiniensis* Glaser, 1974**

Synonym: -
Microhabitat: Gills
Host: *Squalius cephalus*⁽³⁸¹⁾⁽³⁹⁰⁾
Location: Aegean Region, Taşoluk Dam Lake⁽³⁸¹⁾⁽³⁹⁰⁾
Record: Yazmen (2012)⁽³⁸¹⁾⁽³⁹⁰⁾

***Gyrodactylus* sp.**

Synonym: -
Microhabitat: Skin, gills
Host: *Cyprinus carpio*⁽²⁵⁶⁾⁽²⁶⁴⁾⁽²⁸¹⁾⁽³⁰⁸⁾⁽³²²⁾, *Carassius auratus*⁽³⁰⁸⁾, *Carassius gibelio*⁽²⁸¹⁾⁽³⁰⁸⁾⁽³⁹⁾, *Aphanius danfordii*⁽³⁾⁽⁴⁾⁽³⁷⁾⁽²⁶⁹⁾, *Perca fluviatilis*⁽²⁸¹⁾⁽³⁹²⁾, *Alburnus* sp.⁽²⁵⁶⁾, *Chondrostoma* sp.⁽²⁵⁶⁾, *Chondrostoma regium*⁽³⁷⁶⁾, *Barbus* sp.⁽²⁵⁶⁾, *Onychostoma* sp.⁽²⁵⁶⁾, *Capoeta capoeta*⁽³⁰⁰⁾, *Capoeta tinca*⁽³⁰⁰⁾, *Capoeta* sp.⁽²⁵⁶⁾, *Scardinius erythrophthalmus*⁽²⁷⁵⁾⁽³⁹⁾, *Blicca bjoerkna*⁽³²³⁾, *Sander lucioperca*⁽²⁸¹⁾, *Lepomis gibbosus*⁽²⁸¹⁾, *Capoeta trutta*⁽³²⁶⁾, *Acanthobrama marmid*⁽³²⁶⁾, *Vimba vimba*⁽²⁷⁷⁾, *Barbus lacerta*⁽³⁵⁹⁾, *Squalius carinus*⁽²⁵⁷⁾, *Squalius cephalus*⁽³⁷⁹⁾
Location: Black Sea Region, Sinop Sırakaraağaçlar Stream⁽³⁾⁽⁴⁾, Sinop Bektaşağa Pond⁽²⁶⁴⁾, Sinop Sarıkum Lagoon⁽²⁶⁹⁾, Samsun Kızılırmak Delta Bafra Fish Lakes⁽³⁷⁾⁽²⁷⁵⁾, Almus Dam

Lake⁽³⁰⁰⁾⁽³⁷⁶⁾; Marmara Region, Sığircı Lake⁽²⁸¹⁾⁽³⁹²⁾, Sapanca Lake⁽³²²⁾⁽³²³⁾, Ömerli Dam Lake⁽²⁷⁷⁾; Central Anatolia Region, Ankara⁽²⁵⁶⁾, Gölbaşı Lake⁽²⁵⁶⁾, Eymir Lake⁽²⁵⁶⁾, Sakaryabaşı⁽²⁵⁶⁾, Kurtboğazi Dam Lake⁽²⁵⁶⁾, Sarıyar Dam Lake⁽²⁵⁶⁾, Kızılcahamam Stream⁽²⁵⁶⁾, Nallıhan Stream⁽²⁵⁶⁾, Hirfanlı Dam Lake⁽²⁵⁶⁾, Çankırı Günerdiğin Pond⁽²⁵⁶⁾; Aegean Region, Emre Dam Lake⁽³⁰⁸⁾, Denizli Işıklı Dam Lake⁽²⁵⁷⁾, Serban Dam Lake⁽³⁷⁹⁾; Eastern Anatolia Region, Bingöl Göynük Stream⁽³²⁶⁾, Murat River⁽³⁵⁹⁾

Record: Ünsal (2008)⁽³⁾, Özer and Ünsal (2009)⁽⁴⁾, Öztürk and Özer (2014)⁽³⁷⁾, Burgu *et al.* (1988)⁽²⁵⁶⁾, Soylu *et al.* (2017)⁽²⁵⁷⁾, Özer and Erdem (1999)⁽²⁶⁴⁾, Öztürk and Özer (2008)⁽²⁶⁹⁾, Özer *et al.* (2012)⁽²⁷⁵⁾, Şimşek (2013)⁽²⁷⁷⁾, Çolak (2013)⁽²⁸¹⁾, Özgül (2008)⁽³⁰⁰⁾, Öztürk (2011)⁽³⁰⁸⁾, Uzunay and Soylu (2006)⁽³²²⁾, Soylu (2012)⁽³²³⁾, Koyun *et al.* (2019)⁽³²⁶⁾, Koyun *et al.* (2015)⁽³⁵⁹⁾, Özgül and Turgut (2006)⁽³⁷⁶⁾, Açikel (2011)⁽³⁷⁹⁾, Soylu (2013)⁽³⁹²⁾

FAMILY TETRAONCHOIDIDAE

***Tetraonchus monenteron* (Wagener, 1857) Diesing, 1858**

Synonym: *Dactylogyrus cochlea* (Wedl, 1858) Braun, 1890, *Dactylogyrus monenteron* Wagener, 1857, *Gyrodactylus cochlea* Wedl, 1858

Microhabitat: Gills
Host: *Esox lucius*⁽³⁹⁾⁽²⁷⁸⁾⁽²⁸¹⁾⁽²⁸⁸⁾⁽²⁸⁹⁾⁽²⁹³⁾⁽³¹⁷⁾⁽³⁴⁸⁾⁽³⁹³⁾⁽³⁹⁴⁾⁽³⁹⁵⁾

Location: Marmara Region, Gala Lake⁽³⁹⁾, Büyükçekmece Dam Lake⁽²⁷⁸⁾, Sığircı Lake⁽²⁸¹⁾, Sapanca Lake⁽²⁸⁸⁾⁽²⁸⁹⁾⁽²⁹³⁾, Durusu (Terkos) Lake⁽²⁹³⁾, Uluabat Lake⁽³⁹⁴⁾⁽³⁹³⁾, Doğancı Dam Lake⁽³¹⁷⁾⁽³⁴⁸⁾, Gölbaşı Dam Lake⁽³⁹⁵⁾

Record: Soylu (2014)⁽³⁹⁾, Yardımcı *et al.* (2018)⁽²⁷⁸⁾, Çolak (2013)⁽²⁸¹⁾, Soylu (1990)⁽²⁸⁸⁾, Soylu (1991)⁽²⁸⁹⁾, Soylu

(2009)⁽²⁹³⁾, Aydoğdu (2001)⁽³¹⁷⁾,
Aydoğdu and Altunel (2002)⁽³⁴⁸⁾,
Öztürk (1995)⁽³⁹³⁾, Öztürk *et al.*
(2000)⁽³⁹⁴⁾, Aydoğdu *et al.* (2008)⁽³⁹⁵⁾

***Tetraonchus* sp.**

Synonym: -

Microhabitat: Gills

Host: *Esox lucius*⁽²⁵⁸⁾⁽³⁸⁵⁾,
Acanthobrama marmid⁽²⁰²⁾⁽³⁹⁶⁾,
Coptodon zili⁽²⁰²⁾⁽³⁹⁶⁾

Location: Central Anatolia Region,
Mogan Lake⁽²⁵⁸⁾⁽³⁸⁵⁾; Mediterranean
Region, Hatay Tigem Reservoirs⁽²⁰²⁾
⁽³⁹⁶⁾

Record: Bircan Yıldırım *et al.*
(2010)⁽²⁰²⁾, Sönmez (1996)⁽²⁵⁸⁾, Erkul
(1977)⁽³⁸⁵⁾, Zeren (2008)⁽³⁹⁶⁾

SUBCLASS

POLYOPISTHOCOTYLEA

ORDER DICLYBOTHRIIDEA

FAMILY DICLYBOTHRIIDAE

***Diclybothrium hamulatum* (Simer,
1929) Price, 1942**

Synonym: *Diplobothrium hamulatum*
Simer, 1929

Microhabitat: Gills

Host: *Capoeta trutta*⁽²⁸⁰⁾

Location: Eastern Anatolia Region,
Keban Dam Lake⁽²⁸⁰⁾

Record: Sağlam (1992)⁽²⁸⁰⁾

ORDER MAZOCRAEIDAE

FAMILY DIPLOZOIDAE

***Diplozoon paradoxum* von
Nordmann, 1832**

Synonym: -

Microhabitat: Gills

Host: *Acanthobrama marmid*⁽²⁰²⁾,
Coptodon zili⁽²⁰²⁾⁽³⁹⁶⁾, *Rhodeus*
amarus⁽³⁷⁴⁾, *Rutilus rutilus*⁽³⁷⁴⁾,
Alburnus chalcoides⁽³⁹⁷⁾

Location: Aegean Region, Simav-
Nif Stream⁽³⁷⁴⁾; Marmara Region,

Uluabat Lake⁽³⁷⁴⁾; Mediterranean
Region, Tigem Reservoirs⁽²⁰²⁾⁽³⁹⁶⁾,
Central Anatolia Region, Tödürge
Lake⁽³⁹⁷⁾

Record: Bircan Yıldırım *et al.*
(2010)⁽²⁰²⁾, Geldiay and Balık
(1974)⁽³⁷⁴⁾, Zeren (2008)⁽³⁹⁶⁾, Yıldırım
and Ünver (2012)⁽³⁹⁷⁾

***Diplozoon* sp.**

Synonym: -

Microhabitat: Gills

Host: *Scardinius erythrophthalmus*
⁽³³³⁾

Location: Marmara Region,
Karacabey (Bayramdere) Lagoon⁽³³³⁾

Record: Öztürk *et al.* (2002)⁽³³³⁾

***Eudiplozoon nipponicum* (Goto,
1891) Khotenovsky, 1984**

Synonym: -

Microhabitat: Gills

Host: *Cyprinus carpio*⁽³⁹⁸⁾

Location: Marmara Region, İğneada
Mert Lake⁽³⁹⁸⁾

Record: Kırçalar *et al.* (2017)⁽³⁹⁸⁾

***Paradiplozoon barbi* (Reichenbach-
Klinke, 1951)**

Synonym: *Diplozoon barbi*
Reichenbach-Klinke, 1951

Host: *Capoeta trutta*⁽²⁸⁰⁾, *Luciobarbus*
pectoralis⁽²⁸⁰⁾

Location: Eastern Anatolia Region,
Keban Dam Lake⁽²⁸⁰⁾

Record: Sağlam (1992)⁽²⁸⁰⁾

***Paradiplozoon bingolensis*
Civanova, Koyun, Koubkova,
2013(505)**

Synonym: -

Host: *Garra rufa*⁽³⁹⁹⁾

Location: Eastern Anatolia Region,
Murat River⁽³⁹⁹⁾

Record: Civanova *et al.* (2013)⁽³⁹⁹⁾

***Paradiplozoon bliccae*
(Reichenbach-Klinke, 1961)**

Synonym: *Diplozoon gussevi* Gläser, 1964, *Diplozoon markewitschi* Bychowsky, Gyntovt & Koval, 1964, *Diplozoon paradoxum bliccae* Reichenbach-Klinke, 1961, *Diplozoon persicum* Mikailov, 1973

Microhabitat: Gills

Host: *Pseudophoxinus burduricus*⁽⁴⁰⁰⁾

Location: Mediterranean Region, Salda Lake Doğanbaba Stream⁽⁴⁰⁰⁾

Record: İnnal *et al.* (2020)⁽⁴⁰⁰⁾

***Paradiplozoon homoion* (Bychowsky & Nagibina, 1959)**

Synonym: *Diplozoon homoion* Bychowsky & Nagibina, 1959, *Diplozoon scardinii* Komarova, 1966

Microhabitat: Gills

Host: *Cyprinus carpio*⁽³⁴³⁾, *Scardinius erythrophthalmus*⁽³⁷⁾ ⁽²⁷⁵⁾⁽⁴⁰¹⁾, *Vimba vimba*⁽³⁷⁾ ⁽³²¹⁾⁽⁴⁰¹⁾, *Alburnus alburnus* ⁽²⁹⁷⁾⁽²⁹⁸⁾⁽²⁹⁹⁾, *Rutilus rutilus*⁽³¹⁹⁾⁽³²⁸⁾⁽⁴⁰³⁾, *Pseudophoxinus antalyae* ⁽³⁴³⁾⁽⁴⁰²⁾, *Blicca bjoerkna*⁽²⁶⁵⁾⁽²⁷⁶⁾, *Abramis brama*⁽²⁷⁶⁾, *Alburnus mossulensis* ⁽³⁰⁴⁾, *Squalius cephalus*⁽²⁷⁸⁾, *Alburnus chalcoides*⁽³²⁸⁾, *Rhodeus amarus*⁽³¹⁶⁾

Location: Black Sea Region, Samsun Kızılırmak Delta Bafra Fish Lakes⁽³⁷⁾ ⁽³²¹⁾⁽²⁷⁵⁾⁽⁴⁰¹⁾; Mediterranean Region, Kepez I Hidroelektrik Power Plant⁽³⁴³⁾⁽⁴⁰²⁾; Aegean Region, Enne Dam Lake⁽²⁹⁸⁾⁽²⁹⁹⁾, Marmara Region, Sakarya Büyükakgöl⁽²⁶⁵⁾, Sakarya River⁽²⁷⁶⁾, Büyükçekmece Dam Lake⁽²⁷⁸⁾, Mustafakemalpaşa Stream⁽²⁹⁷⁾, Manyas Lake⁽³¹⁹⁾⁽⁴⁰³⁾, Uluabat Lake⁽³²⁸⁾, Susurluk Stream ⁽³¹⁶⁾; Eastern Anatolia Region, Murat River⁽³⁰⁴⁾

Record: Öztürk and Özer (2014)⁽³⁷⁾, Altan and Soylu (2018)⁽²⁶⁵⁾, Özer *et al.* (2012)⁽²⁷⁵⁾, Akmirza and Yardımcı (2014)⁽²⁷⁶⁾, Yardımcı *et al.* (2018)⁽²⁷⁸⁾, Aydoğdu and Selver (2006)⁽²⁹⁷⁾, Koyun and Altunel (2007)⁽²⁹⁸⁾, Koyun (2001)⁽²⁹⁹⁾, Tunç and Koyun (2018)⁽³⁰⁴⁾, Aydoğdu *et al.* (2020)⁽³¹⁶⁾, Öztürk (2000)⁽³¹⁹⁾, Öztürk *et al.* (2012)⁽³²¹⁾, Öztürk (2005)⁽³²⁸⁾, Soylu and Emre (2007)⁽³⁴³⁾, Özer *et al.*

(2013)⁽⁴⁰¹⁾, Soylu (2007)⁽⁴⁰²⁾, Öztürk (2011)⁽⁴⁰³⁾

***Paradiplozoon megan* (Bychowsky & Nagibina, 1959) Achmerov, 1974**

Synonym: *Diplozoon mega* Bychowsky & Nagibina, 1959

Microhabitat: Gills

Host: *Squalius cephalus*⁽³¹⁷⁾⁽³⁷⁰⁾, *Acanthobrama marmid*⁽³²⁶⁾, *Alburnus chalcoides*⁽³⁹⁷⁾

Location: Marmara Region, Doğancı Dam Lake⁽³¹⁷⁾, Susurluk Stream⁽³⁷⁰⁾; Central Anatolia Region, Tödürge Lake⁽³⁹⁷⁾; Eastern Anatolia Region, Bingöl Göynük Stream⁽³²⁶⁾

Record: Aydoğdu (2001)⁽³¹⁷⁾, Koyun *et al.* (2019)⁽³²⁶⁾, Gürkan and Tekin Özkan (2012)⁽³⁷⁰⁾, Yıldırım and Ünver (2012)⁽³⁹⁷⁾

***Paradiplozoon pavlovskii* (Bychowsky & Nagibina, 1959)**

Synonym: *Diplozoon pavlovskii* Bychowsky & Nagibina, 1959

Microhabitat: Gills

Host: *Leuciscus aspius*⁽³⁹⁾

Location: Marmara Region, Gala Lake⁽³⁹⁾

Record: Soylu (2014)⁽³⁹⁾

Paradiplozoon sp.

Synonym: -

Microhabitat: Gills

Host: *Cyprinus carpio*⁽³⁹⁾⁽²⁸¹⁾, *Abramis brama*⁽²⁹³⁾, *Blicca bjoerkna*⁽³²³⁾, *Scardinius erythrophthalmus*⁽³³⁸⁾

Location: Marmara Region, Gala Lake⁽³⁹⁾, Sığircı Lake⁽²⁸¹⁾, Durusu Lake⁽²⁹³⁾, Sapanca Lake⁽³²³⁾⁽³³⁸⁾

Record: Soylu (2014)⁽³⁹⁾, Çolak (2013)⁽²⁸¹⁾, Soylu (2009)⁽²⁹³⁾, Soylu (2012)⁽³²³⁾, Kuş and Soylu (2013)⁽³³⁸⁾

CLASS TREMATODA

SUBCLASS DIGENEA

ORDER ASPIDOGASTRIDA
FAMILY ASPIDOGASTRIDAE
Aspidogaster limacoides Diesing,
 1835

Synonym: *Aspidogaster donicum*
 Popoff, 1926
Microhabitat: Stomach and Intestine
Host: *Vimba vimba*⁽³²²⁾, *Rutilus rutilus*⁽²⁸⁸⁾⁽³²⁹⁾⁽⁴⁰⁴⁾, *Blicca bjoerkna*⁽²⁸⁸⁾⁽⁴⁰⁴⁾
Location: Marmara Region, Sapanca Lake⁽²⁸⁸⁾⁽³²²⁾⁽³²⁹⁾⁽⁴⁰⁴⁾
Record: Soylu (1990)⁽²⁸⁸⁾, Uzunay and Soylu (2006)⁽³²²⁾, Karabiber (2006)⁽³²⁹⁾, Soylu (1995)⁽⁴⁰⁴⁾

ORDER DIPLOSTOMIDA
FAMILY APOROCOTYLIDAE
Sanguinicola sp.

Synonym: -
Microhabitat:
Host: *Cyprinus carpio*⁽²⁵⁶⁾
Location: Central Anatolia Region, Ankara⁽²⁵⁶⁾, Gölbaşı Lake⁽²⁵⁶⁾, Eymir Lake⁽²⁵⁶⁾, Sakaryabaşı⁽²⁵⁶⁾, Kurtboğazi Dam Lake⁽²⁵⁶⁾, Sarıyar Dam Lake⁽²⁵⁶⁾, Kızılcahamam Stream⁽²⁵⁶⁾, Nallıhan Stream⁽²⁵⁶⁾, Hirfanlı Dam Lake⁽²⁵⁶⁾, Çankırı Günerdiğin Pond⁽²⁵⁶⁾
Record: Burgu *et al.* (1988)⁽²⁵⁶⁾

FAMILY DIPLOSTOMIDAE

Diplostomum spathaceum
 (Rudolphi, 1819) Olsson, 1876
Synonym: *Diplostomulum spathaceum* (Rudolphi, 1819), *D. erythrophthalmi* (Shigin, 1965) Shigin, 1969, *D. macrostomum* Shigin, 1965, *D. paracaudum* (İles, 1959) Shigin, 1977, *Distoma spathaceum* Rudolphi, 1819, *Hemistomum spathaceum* (Rudolphi, 1819) Diesing, 1850
Microhabitat: Eye

Host: *Cyprinus carpio*⁽²⁶⁷⁾⁽³⁵⁵⁾, *Mastacembelus mastacembelus*⁽²⁸⁵⁾, *Vimba vimba*⁽³²¹⁾⁽³⁷³⁾, *Scardinius erythrophthalmus*⁽²⁷⁵⁾⁽²⁸⁸⁾⁽³³⁰⁾⁽³³⁴⁾⁽³³⁵⁾⁽³³⁶⁾⁽³³⁷⁾⁽³³⁹⁾⁽⁴⁰⁴⁾, *Rutilus rutilus*⁽²⁸⁸⁾⁽³³⁰⁾⁽⁴⁰⁴⁾, *Blicca bjoerkna*⁽²⁸⁸⁾⁽³³⁰⁾⁽³⁴¹⁾⁽⁴⁰⁴⁾, *Esox lucius*⁽²⁸⁸⁾⁽³⁹⁵⁾⁽⁴⁰⁴⁾, *Silurus glanis*⁽²⁸⁸⁾⁽⁴⁰⁴⁾, *Tinca tinca*⁽²⁸⁸⁾⁽³⁶²⁾⁽⁴⁰⁴⁾, *Alburnus mossulensis*⁽³⁰⁴⁾, *Abramis brama*⁽³³⁶⁾⁽³⁴⁰⁾⁽³⁴²⁾
Location: Black Sea Region, Kızılırmak Delta Bafra Fish Lakes⁽²⁶⁷⁾⁽²⁷⁵⁾⁽³²¹⁾; Marmara Region, Durusu (Terkos) Lake⁽³³⁶⁾⁽³³⁷⁾⁽³³⁹⁾⁽³⁴⁰⁾⁽³⁴²⁾⁽³⁵⁵⁾⁽³⁶²⁾, Sapanca Lake⁽²⁸⁸⁾⁽⁴⁰⁴⁾, Kocadere Stream⁽³³⁰⁾⁽³³⁴⁾⁽³³⁵⁾⁽³⁴¹⁾, Gölbaşı Dam Lake⁽³³⁵⁾⁽³⁷³⁾⁽³⁹⁵⁾; Eastern Anatolia Region, Dicle River⁽²⁸⁵⁾, Fırat River⁽²⁸⁵⁾, Murat River⁽²⁸⁵⁾⁽³⁰⁴⁾
Record: Öztürk *et al.* (2012)⁽²⁶⁷⁾, Özer *et al.* (2012)⁽²⁷⁵⁾, Koyun and Çelik (2020)⁽²⁸⁵⁾, Soylu (1990)⁽²⁸⁸⁾, Tunç and Koyun (2018)⁽³⁰⁴⁾, Öztürk *et al.* (2012)⁽³²¹⁾, Selver (2008)⁽³³⁰⁾, Selver and Aydoğdu (2006)⁽³³⁴⁾, Aydoğdu *et al.* (2008)⁽³³⁵⁾, Demirtaş (2011)⁽³³⁶⁾, Demirtaş and Altındağ (2011)⁽³³⁷⁾, Kahveci (2004)⁽³³⁹⁾, Karatoy and Soylu (2006)⁽³⁴⁰⁾, Selver *et al.* (2010)⁽³⁴¹⁾, Demirtaş and Altındağ (2011)⁽³⁴²⁾, Demirtaş and Şenel (2012)⁽³⁵⁵⁾, Soylu (2003)⁽³⁶²⁾, Aydoğdu *et al.* (2008)⁽³⁷³⁾, Aydoğdu *et al.* (2008)⁽³⁹⁵⁾, Soylu (1995)⁽⁴⁰⁴⁾

***Diplostomum* sp.**

Synonym: -
Microhabitat: Eye
Host: *Anguilla anguilla*⁽³⁹⁾, *Leuciscus aspius*⁽³⁹⁾, *Abramis brama*⁽³⁹⁾, *Esox lucius*⁽³⁹⁾⁽²⁸¹⁾, *Cyprinus carpio*⁽³⁹⁾⁽²⁸¹⁾⁽³⁰⁰⁾⁽³²²⁾⁽⁴¹⁰⁾⁽⁴¹¹⁾⁽⁴¹³⁾⁽⁴¹⁵⁾⁽⁴¹⁶⁾⁽⁴¹⁷⁾, *Carassius gibelio*⁽³⁹⁾⁽²⁸¹⁾, *Vimba vimba*⁽³⁹⁾⁽²⁷⁷⁾⁽³²¹⁾⁽³²²⁾⁽³⁷³⁾, *Perca fluviatilis*⁽³⁹⁾⁽²⁸¹⁾⁽³⁹²⁾, *Rutilus rutilus*⁽³⁹⁾⁽²⁸¹⁾⁽³²⁹⁾, *Lepomis gibbosus*⁽³⁹⁾⁽²⁸¹⁾, *Scardinius erythrophthalmus*⁽³⁹⁾⁽²⁷⁷⁾⁽²⁸¹⁾⁽³³⁸⁾, *Squalius carinus*⁽²⁵⁷⁾, *Blicca bjoerkna*⁽²⁶⁵⁾⁽³⁷¹⁾⁽⁴⁰⁸⁾, *Alburnus istanbulensis*⁽²⁷⁷⁾, *Sander lucioperca*⁽²⁸¹⁾, *Silurus glanis*⁽²⁸¹⁾⁽²⁹¹⁾, *Carassius*

carassius⁽²⁸⁷⁾, *Alburnus alburnus*⁽²⁹⁷⁾, *Capoeta capoeta*⁽³⁰⁰⁾⁽⁴¹¹⁾, *Chondrostoma regium*⁽³⁰⁰⁾⁽³⁷⁶⁾⁽⁴⁰⁷⁾⁽⁴⁰⁹⁾, *Tinca tinca*⁽⁴¹¹⁾⁽⁴¹⁴⁾, *Squalius cephalus*⁽³⁷⁷⁾⁽³⁷⁸⁾⁽⁴⁰⁷⁾⁽⁴¹¹⁾, *Acanthobrama marmid*⁽⁴⁰⁵⁾⁽⁴⁰⁶⁾⁽⁴⁰⁷⁾⁽⁴⁰⁹⁾, *Luciobarbus esocinus*⁽⁴¹³⁾⁽⁴¹⁴⁾⁽⁴¹⁵⁾, *Capoeta umbla*⁽⁴⁰⁷⁾⁽⁴¹⁷⁾, *Capoeta tinca*⁽³⁰⁰⁾⁽⁴¹¹⁾, *Capoeta trutta*⁽⁴⁰⁹⁾⁽⁴¹³⁾, *Barbus plebejus*⁽⁴¹¹⁾, *Atherina boyeri*⁽⁴¹²⁾, *Atherina boyeri*⁽⁴¹²⁾, *Alburnus mossulensis*⁽⁴¹³⁾⁽⁴¹⁴⁾, *Garra rufa*⁽⁴¹⁴⁾, *Barbus lacerta*⁽⁴¹⁴⁾, *Luciobarbus mystaceus*⁽⁴²⁰⁾, **Location:** Marmara Region, Sığırcı Lake⁽²⁸¹⁾⁽³⁹²⁾, İznik Lake⁽⁴¹²⁾, Sapanca Lake⁽³²²⁾⁽³³⁸⁾⁽³²⁹⁾⁽⁴⁰⁸⁾⁽³⁶³⁾, Durusu (Terkos) Lake⁽²⁹¹⁾, Uluabat Lake⁽³⁷¹⁾, Mustafakemalpaşa Stream⁽²⁹⁷⁾, Sakarya Büyükakgöl⁽²⁶⁵⁾, Gala Lake⁽³⁹⁾, Ömerli Dam Lake⁽²⁷⁷⁾, Gölbaşı Lake⁽³⁷³⁾; Eastern Anatolia Region, Keban Dam Lake⁽⁴⁰⁵⁾⁽⁴⁰⁶⁾, Karakaya Dam Lake⁽⁴¹³⁾, Murat River⁽⁴¹⁴⁾, Kelecik Dam Lake⁽⁴¹⁶⁾; Mediterranean Region, Kepez I Hidroelektrik Power Plant⁽²⁸⁷⁾, Black Sea Region: Almus Dam Lake⁽³⁰⁰⁾⁽³⁷⁶⁾, Kızılırmak Delta Bafra Fish Lakes⁽³²¹⁾; Aegean Region, Örenler Dam Lake⁽³⁷⁷⁾⁽³⁷⁸⁾, Denizli Işıklı Dam Lake⁽²⁵⁷⁾; Central Anatolia Region, Gölbaşı Dam Lake⁽³⁷³⁾, Porsuk Stream⁽²⁷⁷⁾, **Record:** Soylu (2014)⁽³⁹⁾, Soylu *et al.* (2017)⁽²⁵⁷⁾, Altan and Soylu (2018)⁽²⁶⁵⁾, Şimşek (2013)⁽²⁷⁷⁾, Çolak (2013)⁽²⁸¹⁾, Soylu and Emre (2005)⁽²⁸⁷⁾, Soylu (2005)⁽²⁹¹⁾, Aydoğdu and Selver (2006)⁽²⁹⁷⁾, Özgül (2008)⁽³⁰⁰⁾, Öztürk *et al.* (2012)⁽³²¹⁾, Uzunay and Soylu (2006)⁽³²²⁾, Karabiber (2006)⁽³²⁹⁾, Kuş and Soylu (2013)⁽³³⁸⁾, Akbeniz (2006)⁽³⁶³⁾, Akbeniz and Soylu (2008)⁽³⁶⁴⁾, Akıncı (1999)⁽³⁷¹⁾, Aydoğdu *et al.* (2008)⁽³⁷³⁾, Özgül and Turgut (2006)⁽³⁷⁶⁾, Kurupınar (2009)⁽³⁷⁷⁾, Kurupınar and Öztürk (2009)⁽³⁷⁸⁾, Soylu (2013)⁽³⁹²⁾, Dörücü and İspir (2001)⁽⁴⁰⁵⁾, Dörücü *et al.*

(2002)⁽⁴⁰⁶⁾, Dörücü and İspir (2005)⁽⁴⁰⁷⁾, Soylu (2006)⁽⁴⁰⁸⁾, Dörücü *et al.* (2008)⁽⁴⁰⁹⁾, Karabulut (2009)⁽⁴¹⁰⁾, Turgut and Özgül (2012)⁽⁴¹¹⁾, Özese Çolak (2013)⁽⁴¹²⁾, Barata and Dörücü (2014)⁽⁴¹³⁾, Gül *et al.* (2014)⁽⁴¹⁴⁾, Kavak and Şeker (2017)⁽⁴¹⁵⁾, Karaman and Dörücü (2013)⁽⁴¹⁶⁾, Aktürk *et al.* (2020)⁽⁴¹⁷⁾

***Neascus* sp.**

Synonym: -

Microhabitat: Gills

Host: *Vimba vimba*⁽³²¹⁾

Location: Black Sea Region,

Kızılırmak Delta Bafra Fish Lakes⁽³²¹⁾

Record: Öztürk *et al.* (2012)⁽³²¹⁾

***Tylodelphys clavata* (von Nordmann, 1832) Diesing, 1850**

Synonym: *Diplostomum clavatum* Nordmann, 1832

Microhabitat: Eye

Host: *Carassius gibelio*⁽³⁹⁾, *Cyprinus carpio*⁽³⁹⁾⁽²⁶⁷⁾⁽²⁸¹⁾⁽⁴¹⁸⁾, *Scardinius erythrophthalmus*⁽³⁹⁾⁽²⁸¹⁾⁽²⁸⁸⁾⁽³³⁹⁾⁽³³⁸⁾

⁽⁴⁰⁴⁾, *Vimba vimba*⁽³⁹⁾⁽²⁷⁷⁾, *Perca fluviatilis*⁽³⁹⁾⁽²⁸¹⁾⁽³⁹²⁾, *Rutilus rutilus*⁽³⁹⁾⁽²⁸¹⁾⁽²⁸⁸⁾, *Esox lucius*⁽³⁹⁾⁽²⁸¹⁾⁽²⁸⁸⁾⁽⁴⁰⁴⁾, *Abramis brama*⁽³⁹⁾⁽³⁴⁰⁾

Lepomis gibbosus⁽³⁹⁾⁽²⁸¹⁾, *Blicca bjoerkna*⁽²⁶⁵⁾⁽²⁸⁸⁾⁽⁴⁰⁴⁾, *Squalius carinus*⁽²⁵⁷⁾, *Alburnus istanbulensis*⁽²⁷⁷⁾, *Sander lucioperca*⁽²⁸¹⁾⁽²⁸²⁾⁽⁴¹⁸⁾

Silurus glanis⁽²⁸¹⁾⁽²⁸⁸⁾⁽⁴⁰⁴⁾, *Tinca tinca*⁽²⁸⁸⁾, *Atherina boyeri*⁽⁴¹²⁾, *Aphanius danfordii*⁽⁴¹⁸⁾, *Gambusia holbrooki*⁽⁴¹⁸⁾

Location: Black Sea Region, Kızılırmak Delta Bafra Fish Lakes⁽²⁶⁷⁾⁽²⁸²⁾⁽³²¹⁾⁽⁴¹⁸⁾, Marmara Region, Sığırcı Lake⁽²⁸¹⁾⁽³⁹²⁾, İznik Lake⁽⁴¹²⁾, Sapanca Lake⁽²⁸⁸⁾⁽³²²⁾⁽³²⁹⁾

⁽³³⁸⁾⁽⁴⁰⁴⁾, Durusu (Terkos) Lake⁽³³⁹⁾⁽³⁴⁰⁾, Sakarya Büyükakgöl⁽²⁶⁵⁾, Ömerli Dam Lake⁽²⁷⁷⁾, Central Anatolia Region, Porsuk Stream⁽²⁷⁷⁾; Aegean Region, Denizli Işıklı Dam Lake⁽²⁵⁷⁾

Record: Soylu *et al.* (2017)⁽²⁵⁷⁾, Altan and Soylu (2018)⁽²⁶⁵⁾, Öztürk *et al.* (2012)⁽²⁶⁷⁾, Şimşek (2013)⁽²⁷⁷⁾, Çolak (2013)⁽²⁸¹⁾, Öztürk *et al.* (2011)⁽²⁸²⁾, Soylu (1990)⁽²⁸⁸⁾, Öztürk *et al.* (2012)⁽³²¹⁾, Uzunay and Soylu (2006)⁽³²²⁾, Karabiber (2006)⁽³²⁹⁾, Kuş and Soylu (2013)⁽³³⁸⁾, Kahveci (2004)⁽³³⁹⁾, Karatoy and Soylu (2006)⁽³⁴⁰⁾, Soylu (2003)⁽³⁶²⁾, Soylu (2013)⁽³⁹²⁾, Soylu (1995)⁽⁴⁰⁴⁾, Özesen Çolak (2013)⁽⁴¹²⁾, Öztürk *et al.* (2011)⁽⁴¹⁸⁾

Posthodiplostomum brevicaudatum
(von Nordmann, 1832) Wisniewski, 1958

Synonym: *Holostomum brevicaudatum* von Nordmann, 1832, *Neascus brevicaudatus* (von Nordmann, 1832) Hughes, 1928, *Neodiplostomum impraeputiatum* Dubois, 1934, *Posthodiplostomum impraeputiatum* (Dubois, 1934) Dubois, 1936

Microhabitat: Eye

Host: *Esox lucius*⁽⁴¹⁹⁾

Location: Central Anatolia Region, Karamık Lake⁽⁴¹⁹⁾

Record: Akkent and Öztürk (2017)⁽⁴¹⁹⁾

Posthodiplostomum cuticola (von Nordmann, 1832) Dubois, 1936

Synonym: *Diplostomum cuticola* (Nordmann, 1832) Diesing, 1850, *Holostomum brevicaudatum cuticola* Nordmann, 1832, *Neascus cuticola* (von Nordmann, 1832) Hughes, 1927

Microhabitat: Eye, skin, fins

Host: *Cyprinus carpio*⁽³⁵⁰⁾, *Vimba vimba*⁽³²¹⁾⁽³²²⁾⁽³⁹⁾⁽²⁷⁷⁾, *Scardinius erythrophthalmus*⁽³⁹⁾⁽²⁸¹⁾⁽²⁸⁸⁾⁽³³⁸⁾⁽⁴⁰⁴⁾, *Blicca bjoerkna*⁽²⁶⁵⁾⁽²⁸⁸⁾⁽³⁷¹⁾⁽⁴⁰⁴⁾, *Alburnus chalcoides*⁽³⁹⁷⁾, *Rutilus rutilus*⁽²⁸⁸⁾⁽⁴⁰⁴⁾, *Cobitis turcica*⁽⁴²⁰⁾

Location: Marmara Region, Sığircı Lake⁽²⁸¹⁾, Sapanca Lake⁽²⁸⁸⁾⁽³²²⁾⁽³³⁸⁾⁽⁴⁰⁴⁾, Uluabat Lake⁽³⁷¹⁾, Sakarya Büyükakgöl⁽²⁶⁵⁾, Ömerli Dam

Lake⁽²⁷⁷⁾; Aegean Region, Eber Lake⁽³⁵⁰⁾; Central Anatolia Region, Tödürge Lake⁽³⁹⁷⁾, Porsuk Stream⁽²⁷⁷⁾, Haymana Pınarbaşı Stream⁽⁴²⁰⁾; Black Sea Region, Kızılırmak Delta Bafra Fish Lakes⁽³²¹⁾

Record: Altan and Soylu (2018)⁽²⁶⁵⁾, Şimşek (2013)⁽²⁷⁷⁾, Çolak (2013)⁽²⁸¹⁾, Soylu (1990)⁽²⁸⁸⁾, Öztürk *et al.* (2012)⁽³²¹⁾, Uzunay and Soylu (2006)⁽³²²⁾, Kuş and Soylu (2013)⁽³³⁸⁾, Öztürk (2005)⁽³⁵⁰⁾, Akıncı (1999)⁽³⁷¹⁾, Yıldırım and Ünver (2012)⁽³⁹⁷⁾, Soylu (1995)⁽⁴⁰⁴⁾, Kırankaya and Ekmekçi (2011)⁽⁴²⁰⁾

Posthodiplostomum minimum
(MacCallum, 1921) Dubois, 1936

Synonym: *Diplostomum minimum* MacCallum, 1921, *Neascus vancleavei* (Agersborg, 1926)

Microhabitat: Intestine

Host: *Salmo trutta*⁽²⁸³⁾

Location: Eastern Anatolia Region, Munzur River⁽²⁸³⁾

Record: Ekingen (1976)⁽²⁸³⁾

Posthodiplostomum sp.

Synonym: -

Microhabitat: Eye, body cavity, liver, intestine

Host: *Aphanius danfordii*⁽⁹³⁾⁽²⁶⁹⁾, *Scardinius erythrophthalmus*⁽²⁷⁵⁾

Location: Black Sea Region, Sinop Sarıkum Lagoon⁽⁹³⁾, Samsun Kızılırmak Delta Bafra Fish Lakes⁽²⁷⁵⁾, Sinop Sarıkum Lagoon⁽²⁶⁹⁾

Record: Öztürk and Özer (2019)⁽⁹³⁾, Öztürk and Özer (2008)⁽²⁶⁹⁾, Özer *et al.* (2012)⁽²⁷⁵⁾

Pseudodiplostomum sp.

Synonym: -

Microhabitat: Eye

Host: *Scardinius erythrophthalmus*⁽²⁷⁵⁾

Location: Black Sea Region, Kızılırmak Delta Bafra Fish Lakes⁽²⁷⁵⁾

Record: Özer *et al.* (2012)⁽²⁷⁵⁾

FAMILY CLINOSTOMIDAE

Clinostomum complanatum (Rudolphi, 1814) Braun, 1899

Synonym: *Clinostomum marginatum* (Rudolphi, 1819) Braun, 1899, *Distoma complanatum* Rudolphi, 1819

Microhabitat: Gills, operculum

Host: *Rutilus rutilus*⁽³⁹⁾, *Perca fluviatilis*⁽³⁹⁾⁽²⁸¹⁾⁽³⁹²⁾, *Scardinius erythrophthalmus*⁽³⁹⁾⁽²⁸¹⁾⁽³³⁸⁾, *Alburnus* sp.⁽²⁵⁶⁾, *Varicorhinus* sp.⁽²⁵⁶⁾, *Chondrostoma* sp.⁽²⁵⁶⁾, *Capoeta* sp.⁽²⁵⁶⁾, *Cyprinus carpio*⁽²⁵⁶⁾⁽²⁸¹⁾, *Sander lucioperca*⁽²⁸¹⁾, *Lepomis gibbosus*⁽²⁸¹⁾, *Rhodeus amarus*⁽³¹⁶⁾, *Aphanius danfordii*⁽⁴²¹⁾, *Luciobarbus escherichii*⁽⁴²²⁾, *Capoeta tinca*⁽⁴²²⁾

Location: Black Sea Region, Kızılırmak Delta Bafra Fish Lakes⁽⁴²¹⁾; Central Anatolia Region, Ankara⁽²⁵⁶⁾, Gölbaşı Lake⁽²⁵⁶⁾, Eymir Lake⁽²⁵⁶⁾, Çifteler Sakaryabaşı⁽²⁵⁶⁾, Kurtboğazi Dam Lake⁽²⁵⁶⁾, Sarıyar Dam Lake⁽²⁵⁶⁾, Kızılcahamam Stream⁽²⁵⁶⁾, Hirfanlı Dam Lake⁽²⁵⁶⁾, Çankırı Günerdiğin Pond⁽²⁵⁶⁾, Nallıhan Stream⁽²⁵⁶⁾, Kirmir Stream⁽⁴²²⁾; Marmara Region, Gala Lake⁽³⁹⁾, Sığircı Lake⁽²⁸¹⁾⁽³⁹²⁾, Susurluk Stream⁽³¹⁶⁾, Sapanca Lake⁽³³⁸⁾
Record: Soylu (2014)⁽³⁹⁾, Burgu *et al.* (1988)⁽²⁵⁶⁾, Çolak (2013)⁽²⁸¹⁾, Aydoğdu *et al.* (2020)⁽³¹⁶⁾, Kuş and Soylu (2013)⁽³³⁸⁾, Soylu (2013)⁽³⁹²⁾, Öztürk and Özer (2015)⁽⁴²¹⁾, Öge and Sarımehtetoğlu (1996)⁽⁴²²⁾

FAMILY STRIGEIDAE

Ichthyocotylurus variegatus (Creplin, 1825) Odening, 1969

Synonym: *Amphistoma variegatum* Creplin, 1825, *Cotylurus cumulitestis* Dubois, 1962, *Cotylurus percae* fluviatilis (von Linstow, 1877), *Cotylurus variegatus* (Creplin, 1825) Szidat, 1928, *Holostomum variegatum* (Creplin, 1825) Dujardin, 1845,

Strigea variegata (Creplin, 1825) Lühe, 1909, *Tetracotyle percae fluviatilis* von Linstow, 1877, *Tetracotyle variegata* (Creplin, 1825)

Microhabitat: Pericardium

Host: *Scardinius erythrophthalmus* ⁽³³⁹⁾

Location: Marmara Region, Durusu (Terkos) Lake⁽³³⁹⁾

Record: Kahveci (2004)⁽³³⁹⁾

Tetracotyle sp.

Synonym: -

Microhabitat: Pericardium, heart, intestine

Host: *Cyprinus carpio*⁽²⁶⁷⁾, *Scardinius erythrophthalmus*⁽²⁷⁵⁾, *Lepomis gibbosus*⁽²⁸¹⁾, *Sander lucioperca*⁽²⁸¹⁾, *Perca fluviatilis*⁽²⁸¹⁾⁽³⁹²⁾, *Vimba vimba*⁽³²¹⁾⁽³²²⁾, *Abramis brama*⁽³⁴⁰⁾, *Blicca bjoerkna*⁽⁴⁰⁸⁾

Location: Black Sea Region, Kızılırmak Delta Bafra Fish Lakes⁽²⁶⁷⁾⁽²⁷⁵⁾⁽³²¹⁾, Marmara Region, Sapanca Lake⁽³²²⁾⁽⁴⁰⁸⁾, Sığircı Lake⁽²⁸¹⁾⁽³⁹²⁾, Durusu (Terkos) Lake⁽³⁴⁰⁾

Record: Öztürk *et al.* (2012)⁽²⁶⁷⁾, Özer *et al.* (2012)⁽²⁷⁵⁾, Çolak (2013)⁽²⁸¹⁾, Öztürk *et al.* (2012)⁽³²¹⁾, Uzunay and Soylu (2006)⁽³²²⁾, Karatoy and Soylu (2006)⁽³⁴⁰⁾, Soylu (2013)⁽³⁹²⁾, Soylu (2006)⁽⁴⁰⁸⁾

ORDER PLAGIORCHIDA

FAMILY ALLOCREADIIDAE

Allocreadium isoporum (Looss, 1894) Looss, 1900

Synonym: *Allocreadium isoporum dubium* Koval, 1957, *A. isoporum macrorchis* Koval & Kulakowskaya, 1957, *A. laymani* Bychowskaja, 1962, *Creadium isoporum* (Looss, 1894) Looss, 1899, *Distoma isoporum* Looss, 1894, *Distomum isoporum* Looss, 1894

Microhabitat: Intestine

Host: *Alburnus alburnus*⁽²⁹⁹⁾, *Luciobarbus escherichii*⁽³¹⁸⁾, *Barbus*

plebejus⁽²⁹⁹⁾⁽⁴²³⁾, *Squalius cephalus*⁽²⁹⁹⁾⁽³¹⁷⁾⁽³⁸¹⁾, *Barbus lacerta*⁽³⁵⁹⁾, *Capoeta angorae*⁽⁴²⁴⁾, *Capoeta antalyensis*⁽⁴²⁴⁾, *Capoeta caelestis*⁽⁴²⁴⁾

Location: Aegean Region, Enne Dam Lake⁽²⁹⁹⁾, Taşoluk Dam Lake⁽³⁸¹⁾; Marmara Region, Doğançı Dam Lake⁽³¹⁷⁾⁽³¹⁸⁾, Eastern Anatolia Region, Murat River⁽⁴²³⁾⁽³⁵⁹⁾, Aras River⁽⁴²³⁾; Mediterranean Region, Antalya Pazar Aksu Stream⁽⁴²⁴⁾, Antalya Göksu River⁽⁴²⁴⁾, Kahramanmaraş Firniz Stream⁽⁴²⁴⁾

Record: Koyun (2001)⁽²⁹⁹⁾, Aydoğdu (2001)⁽³¹⁷⁾, Aydoğdu *et al.* (2002)⁽³¹⁸⁾, Koyun *et al.* (2015)⁽³⁵⁹⁾, Yazmen (2012)⁽³⁸¹⁾, Aslan (2009)⁽⁴²³⁾, Aydoğdu *et al.* (2017)⁽⁴²⁴⁾

Allocreadium lobatum Wallin, 1909

Synonym: -

Microhabitat: Intestine

Host: *Blicca bjoerkna*⁽²⁷⁶⁾

Location: Marmara Region, Sakarya River⁽²⁷⁶⁾

Record: Akmırza and Yardımcı (2014)⁽²⁷⁶⁾

Crepidostomum farionis (Müller, 1780) Lühe, 1909

Synonym: *Crepidostomum baicalense* Layman, 1933, *Crepidostomum baicalensis* Layman, 1933 (misspelling), *C. laureatum* (Zeder, 1800) Braun, 1900, *C. ussuriense* Layman, 1930, *C. ussuriensis* Layman, 1930 (misspelling), *C. vitellobum* (Faust, 1918) Hopkins, 1931, *Crossodera laureata* (Zeder, 1800) Cobbold, 1860, *Distoma farionis* (Müller, 1780) Blanchard, 1891, *Distoma laureatum* Zeder, 1800, *Fasciola farionis* Müller, 1780, *Fasciola laureata* (Zeder, 1800) Rudolphi, 1802, *Fasciola truttae* Frölich, 1784, *Stephanophiala laureata* (Zeder, 1800) Nicoll, 1909, *Stephanophiala vitelloba* Faust, 1918
Microhabitat: -

Host: *Salvelinus fontinalis*⁽⁴²⁵⁾

Location: Black Sea Region, Abant Lake⁽⁴²⁵⁾

Record: Caira (1989)⁽⁴²⁵⁾

Creptotrema sp.

Synonym: -

Microhabitat: Digestive system

Host: *Salmo trutta*⁽⁴²⁶⁾

Location: Eastern Anatolia Region, Munzur River⁽⁴²⁶⁾

Record: Ekingen (1975)⁽⁴²⁶⁾

FAMILY BUCEPHALIDAE

Bucephalus polymorphus von Baer, 1827

Synonym: *Bucephalus markewitschi* Koval, 1949, *Gasterostomum laciniatum* Molin, 1859

Microhabitat: Stomach, intestine, pyloric caeca, muscle

Host: *Esox lucius*⁽²⁸⁸⁾⁽⁴⁰⁴⁾, *Silurus glanis*⁽²⁸⁸⁾⁽⁴⁰⁴⁾, *Sander lucioperca*⁽⁴²⁷⁾⁽⁴²⁸⁾, *Knipowitschia caucasica*⁽⁴²⁹⁾

Location: Mediterranean Region, Eğirdir Lake⁽⁴²⁷⁾⁽⁴²⁸⁾⁽⁴²⁹⁾, Beyşehir Lake⁽⁴²⁸⁾, Kovada Lake⁽⁴²⁸⁾; Marmara Region, Sapanca Lake⁽²⁸⁸⁾⁽⁴⁰⁴⁾

Record: Soylu (1990)⁽²⁸⁸⁾, Soylu (1995)⁽⁴⁰⁴⁾, Yıldırım *et al.* (1996)⁽⁴²⁷⁾, Kara (1997)⁽⁴²⁸⁾, Diler and Yıldırım (2003)⁽⁴²⁹⁾

Rhipidocotyle fennica Gibson, Taskinen & Valtonen, 1992

Synonym: -

Microhabitat: Intestine

Host: *Esox lucius*⁽³⁹⁴⁾

Location: Marmara Region, Uluabat Lake⁽³⁹⁴⁾

Record: Öztürk *et al.* (2000)⁽³⁹⁴⁾

Rhipidocotyle sp.

Synonym: -

Microhabitat: Stomach, intestine

Host: *Esox lucius*⁽³⁹³⁾

Location: Marmara Region, Uluabat Lake⁽³⁹³⁾

Record: Öztürk (1995)⁽³⁹³⁾

FAMILY DIPLODISCIDAE

***Diplodiscus subclavatus* (Pallas, 1760)**

Synonym: *Distoma unguiculatus* Rudolphi, 1819, *Fasciola subclavatus* Pallas, 1760

Microhabitat: Intestine

Host: *Esox lucius*⁽³⁹⁴⁾

Location: Marmara Region, Uluabat Lake⁽³⁹⁴⁾

Record: Öztürk et al. (2000)⁽³⁹⁴⁾

***Diplodiscus* sp.**

Synonym: -

Microhabitat: Intestine

Host: *Esox lucius*⁽³⁹³⁾

Location: Marmara Region, Uluabat Lake⁽³⁹³⁾

Record: Öztürk (1995)⁽³⁹³⁾

FAMILY ECHINOSTOMATIDAE

***Petasisger* sp.**

Synonym: -

Microhabitat: Gills

Host: *Cyprinus carpio*⁽²⁶⁷⁾

Location: Black Sea Region, Kızılırmak Delta Bafra Fish Lakes⁽²⁶⁷⁾

Record: Öztürk et al. (2012)⁽²⁶⁷⁾

FAMILY ECHINOCHASMIIDAE

***Echinochasmus* sp.**

Synonym: -

Microhabitat: Gills

Host: *Scardinius erythrophthalmus*⁽²⁷⁵⁾, *Vimba vimba*⁽³²¹⁾

Location: Black Sea Region, Kızılırmak Delta Bafra Fish Lakes⁽²⁷⁵⁾⁽³²¹⁾

Record: Özer et al. (2012)⁽²⁷⁵⁾, Öztürk et al. (2012)⁽³²¹⁾

FAMILY GORGODERIDAE

***Phyllodistomum folium* (Olfers, 1816) Braun, 1899**

Synonym: *Distoma folium* Olfers, 1816, *Phyllodistomum elongatum* Nybelin, 1926, *P. simile* Nybelin, 1926, *P. undulans* Steen, 1938, *Spathidium folium* (Olfers, 1816) Looss, 1899

Microhabitat: Digestive system

Host: *Luciobarbus pectoralis*⁽³⁶⁸⁾

Location: Mediterranean Region, Karacaören I Dam Lake⁽³⁶⁸⁾

Record: Kır (1998)⁽³⁶⁸⁾

FAMILY HETEROPHIDAE

***Ascocotyle* sp.**

Synonym: -

Microhabitat: Gills, intestine

Host: *Neogobius fluviatilis*⁽¹⁵⁶⁾, *Cyprinus carpio*⁽²⁶⁷⁾, *Aphanius danfordii*⁽²⁶⁹⁾, *Scardinius erythrophthalmus*⁽²⁷⁵⁾

Location: Black Sea Region, Sinop Sarıkum Lagoon⁽²⁶⁹⁾, Samsun Kızılırmak Delta Bafra Fish Lakes⁽¹⁵⁶⁾⁽²⁶⁷⁾⁽²⁷⁵⁾

Record: Güven and Öztürk (2018)⁽¹⁵⁶⁾, Öztürk et al. (2012)⁽²⁶⁷⁾, Öztürk and Özer (2008)⁽²⁶⁹⁾, Özer et al. (2012)⁽²⁷⁵⁾

FAMILY LISSORCHIIDAE

***Asymphyldora imitans* (Mühling, 1898) Looss, 1899**

Synonym: *Asymphyldora dneproviana* Iwanitzky, 1928, *Distoma imitans* Mühling, 1898

Microhabitat: Intestine

Host: *Pseudophoxinus crassus*⁽³⁸⁸⁾, *Blicca bjoerkna*⁽⁴⁰⁸⁾

Location: Marmara Region, Sapanca Lake⁽⁴⁰⁸⁾; Central Anatolia Region, Konya İncesu Stream⁽³⁸⁸⁾

Record: Aydoğdu et al. (2014)⁽³⁸⁸⁾, Soylu (2006)⁽⁴⁰⁸⁾

***Asymphylogadora markewitschi*
Kulakovskaya, 1947**

Synonym: *Parasymphylogadora markewitschi* (Kulakovskaja, 1947)

Microhabitat: Intestine

Host: *Scardinius erythrophthalmus* (330)(334)(335) (336)(337)(430), *Alburnus chalcoides*(328)

Location: Marmara Region, Uluabat Lake(328)(430), Kocadere Stream(330)(334)(335), Durusu (Terkos) Lake(336)(337)

Record: Öztürk (2005)(328), Selver (2008)(330), Selver and Aydoğdu (2006)(334), Aydoğdu *et al.* (2008)(335), Demirtaş (2011)(336), Demirtaş and Altındağ (2011)(337), Oğuz and Öztürk (1993)(430)

***Asymphylogadora tincae* (Modeer, 1790) Lühe, 1909**

Synonym: *Asymphylogadora perlata* (von Nordmann, 1832) Looss, 1899, *Distoma perlatum* von Nordmann, 1832, *Distoma tincae* (Modeer, 1790) Rudolphi, 1809, *Fasciola tincae* Modeer, 1790

Microhabitat: Intestine

Host: *Alburnus* sp.(256), *Barbus* sp.(256), *Esox lucius*(256), *Tinca tinca*(270)(288)(336)(361)(362)(363)(364)(366)(384)(389)(404)(431) (432)(433)(434)(435)

Location: Marmara Region, Sapanca Lake(288)(363)(364)(404), Uluabat Lake(361)(431), İznik Lake(384), Durusu (Terkos) Lake(336)(362)(435), Central Anatolia Region, Ankara(256), Gölbaşı Lake(256), Eymir Lake(256), Çiftereler-Sakaryabaşı fish production station(256), Kurtboğazı Dam Lake(256), Sarıyar Dam Lake(256), Kızılcahamam Stream(256), Kapulukaya Dam Lake(432), Beyşehir Lake(366)(433) (434), Mediterranean Region, Kovada Lake(389), Seyhan Dam Lake(270)(271)

Record: Burgu *et al.* (1998)(256), İnce (2013)(270), İnce and Uslu (2017)(271), Soylu (1990)(288), Demirtaş (2011)(336), Öztürk (2002)(361), Soylu (2003)(362), Akbeniz (2006)(363), Akbeniz and Soylu (2008)(364), Tekin Öz

(2005)(366), Aydoğdu *et al.* (1996)(384), Kır and Tekin-Özan (2005)(389), Soylu (1995)(404), Aksakal (1992)(431), Yıldız (2003)(432), Tekin Öz *et al.* (2006)(433), Alaş *et al.* (2010)(434), Demirtaş (2011)(435)

FAMILY OPISTHORCHIIDAE

***Opisthorchis felineus* (Rivolta, 1884) Blanchard, 1895**

Synonym: *Distoma conus* Gurlt, 1831 nec Creplin, 1825, *Distomum felineum* Rivolta, 1884, *Distomum winogradoffi* Jaksch, 1897

Microhabitat: -

Host: *Rutilus rutilus*(374)

Location: Marmara Region, Uluabat Lake(374), Manyas Lake(374)

Record: Geldiay and Balık (1974)(374)

**FAMILY
ORIENTOCREADIIDAE**

***Orientocreadium batrachoides*
Tubangui, 1931**

Synonym: *Ganada barabankiae* (Dayal, 1938) Fischthal & Kuntz, 1963, *Ganada indica* (Dayal, 1949) Fischthal & Kuntz, 1963, *Ganadotrema indica* Dayal, 1949, *Ganadotrema mahendrai* Gupta, 1951, *Ganadotrema phillipai* Gupta, 1951, *Ganadotrema vermai* Gupta, 1951, *Neoganada barabankiae* Dayal, 1938, *Neoganada secunda* Dayal, 1949, *Orientocreadium barabankiae* (Dayal, 1938) Beverley-Burton, 1962, *Orientocreadium bharati* Saksena, 1960 (second renaming of *Ganadotrema indica*), *Orientocreadium dayalai* Saksena, 1958, *Orientocreadium dayali* Yamaguti, 1958, *Orientocreadium indica* (Dayal, 1949) Saksena, 1958 (pre-occupied and renamed), *Orientocreadium lazeri* Khalil, 1961, *Orientocreadium mahendrai* (Gupta, 1951) Saksena, 1958, *Orientocreadium philippai* (Gupta,

1951) Saksena, 1958,
Orientocreadium raipurensis
 Saksena, 1958, *Orientocreadium*
secundum (Dayal, 1949) Beverley-
 Burton, 1962, *Orientocreadium*
umadasi Saksena, 1960,
Orientocreadium vermai (Gupta,
 1951) Saksena, 1958

Microhabitat: Digestive system

Host: *Clarias gariepinus*⁽⁴³⁶⁾

Location: Mediterranean Region, Asi
 River⁽⁴³⁶⁾

Record: Tepe *et al.* (2013)⁽⁴³⁶⁾

***Orientocreadium siluri* (Bychowsky & Dubinina, 1954)**

Synonym: *Paratormopsolus siluri*
 Bychowsky & Dubinina, 1954

Microhabitat: Intestine

Host: *Silurus glanis*⁽²⁸⁸⁾⁽⁴⁰⁴⁾

Location: Marmara Region, Sapanca
 Lake⁽²⁸⁸⁾⁽⁴⁰⁴⁾

Record: Soylu (1990)⁽²⁸⁸⁾, Soylu
 (1995)⁽⁴⁰⁴⁾

***Orientocreadium* sp.**

Synonym: -

Microhabitat: Intestine

Host: *Clarias gariepinus*⁽²⁸⁷⁾

Location: Mediterranean Region:
 Kepez I Hidroelektrik Power Plant⁽²⁸⁷⁾

Record: Soylu and Emre (2005)⁽²⁸⁷⁾

SUBCLASS DIGENEA

Digenea gen. sp.

Synonym: -

Microhabitat: Gills

Host: *Tinca tinca*⁽³⁸⁵⁾

Location: Central Anatolia Region,
 Mogan Lake⁽³⁸⁵⁾, Hirfanlı Dam
 Lake⁽³⁸⁵⁾, Kızılcahamam Stream⁽³⁸⁵⁾

Record: Erkul (1997)⁽³⁸⁵⁾

CLASS CESTODA

ORDER BOTHRIOCEPHALIDEA

FAMILY BOTHRIOCEPHALIDAE

***Bothriocephalus acheilognathi* Yamaguti, 1934**

Synonym: *Bothriocephalus*

gowkongensis Yeh, 1955,

Bothriocephalus opsariichthydis
 Yamaguti, 1934

Microhabitat: Digestive system

Host: *Cyprinus carpio*⁽³⁹⁾⁽²⁶⁷⁾⁽²⁷⁸⁾⁽²⁸¹⁾
 (312)(314)(319)(322)(347)(349)(350)(351)(352)(357)
 (365)(366)(367)(368)(369)(385)(407)(423)(437)(438)

(440)(443), *Perca fluviatilis*⁽³⁹⁾,

Neogobius fluviatilis⁽¹⁵⁶⁾⁽³⁸⁷⁾⁽⁴³⁷⁾,

Proterorhinus marmoratus⁽¹⁵⁶⁾⁽⁴³⁷⁾,

Squalius carinus⁽²⁵⁷⁾, *Sander*

lucioperca⁽²⁸²⁾⁽⁴³⁷⁾, *Squalius cephalus*

(317)(377)(378)(379)(380)(439)(443)(445)

Luciobarbus escherichii⁽³¹⁷⁾⁽³¹⁸⁾⁽⁴³⁹⁾,

Vimba vimba⁽³²¹⁾⁽⁴³⁷⁾⁽⁴³⁹⁾, *Alburnus*

alburnus⁽²⁹⁷⁾⁽²⁹⁹⁾, *Rutilus rutilus*⁽³³⁰⁾

(332), *Tinca tinca*⁽³³⁶⁾⁽³⁶³⁾⁽³⁶⁴⁾⁽³⁶⁶⁾⁽³⁸⁵⁾⁽³⁸⁹⁾

(433)(435), *Barbus lacerta*⁽³⁵⁹⁾,

Pseudophoxinus crassus⁽³⁸⁸⁾, *Alburnus*

chalcoides⁽³⁹⁷⁾, *Capoeta trutta*⁽⁴⁰⁷⁾,

Capoeta umbla⁽⁴⁰⁷⁾⁽⁴⁴¹⁾⁽⁴⁴³⁾, *Atherina*

boyeri⁽⁴¹²⁾⁽⁴³⁷⁾, *Alburnus mossulensis*

(443)(416), *Chondrostoma regium*⁽⁴⁰⁷⁾⁽⁴⁴³⁾

Blicca bjoerkna⁽⁴⁰⁸⁾, *Gambusia*

holbrooki⁽⁴³⁷⁾, *Carassius gibelio*⁽⁴³⁷⁾,

Aphanius danfordii⁽⁴³⁷⁾, *Rutilus*

frisii⁽⁴³⁸⁾, *Barbus plebejus*⁽⁴⁴⁴⁾, *Silurus*

glanis⁽⁴⁴²⁾, *Acanthobrama marmid*⁽⁴⁴³⁾

Location: Black Sea Region, Samsun

Kızılırmak Delta Bafra Fish

Lakes⁽¹⁵⁶⁾⁽²⁶⁷⁾⁽²⁸²⁾⁽³²¹⁾⁽⁴³⁷⁾; Marmara

Region, Gala Lake⁽³⁹⁾, İznik Lake⁽³⁴⁷⁾

(412)(438)(349), Manyas Lake⁽³¹⁹⁾⁽³⁵⁷⁾,

Kunduzlar Dam Lake⁽⁴³⁹⁾, Sapanca

Lake⁽³²²⁾⁽⁴⁰⁸⁾⁽³⁶³⁾⁽³⁶⁴⁾, Sığircı Lake⁽²⁸¹⁾,

Enne Dam Lake⁽²⁹⁹⁾, Doğancı Dam

Lake⁽³¹⁷⁾⁽³¹⁸⁾, Uluabat Lake⁽³⁸⁷⁾,

Mustafakemalpaşa Stream⁽²⁹⁷⁾,

Kocadere Stream⁽³³⁰⁾⁽³³²⁾, Durusu

(Terkos) Lake⁽³³⁶⁾⁽⁴³⁵⁾, Büyükçekmece

Dam Lake⁽²⁷⁸⁾, Eastern Anatolia

Region, Karasu Stream⁽⁴⁴⁰⁾,

Bendimahı Stream⁽⁴⁴⁰⁾, Engil

Stream⁽⁴⁴⁰⁾, Zernek Dam Lake⁽⁴⁴⁰⁾,

Keban Dam Lake⁽⁴⁰⁷⁾, Murat

River⁽³⁵⁹⁾⁽⁴²³⁾, Aras River⁽⁴²³⁾, Hazar Lake⁽⁴⁴¹⁾, Karakaya Dam Lake⁽⁴⁴³⁾, Tortum Stream⁽⁴⁴⁴⁾, Kalecik Dam Lake⁽⁴¹⁶⁾; Central Anatolia Region, Mogan Lake⁽³⁸⁵⁾, Hirfanlı Dam Lake⁽³⁸⁵⁾⁽⁴⁴²⁾, Kızılırmak (Kalecik)⁽³⁸⁵⁾, Kirmir Stream (Beypazarı)⁽³⁸⁵⁾, Beyşehir Lake⁽³⁶⁶⁾⁽³⁶⁹⁾, Tödürge Lake⁽³⁹⁷⁾, Konya İncesu Stream⁽³⁸⁸⁾; Mediterranean Region, Denizli Işıklı Dam Lake⁽²⁵⁷⁾, Karacaören I Dam Lake⁽³⁶⁵⁾, Kovada Lake⁽³⁶⁷⁾⁽³⁸⁹⁾, Karacaören I Dam Lake⁽³⁶⁸⁾, Beyşehir Lake⁽⁴³³⁾, Karacaören II Dam Lake⁽³¹⁴⁾⁽³¹²⁾; Aegean Region, Örenler Dam Lake⁽³⁷⁷⁾⁽³⁷⁸⁾, Eber Lake⁽³⁵⁰⁾, Selevir Dam Lake⁽³⁵¹⁾, Karamık Lake⁽³⁵²⁾, Serban Dam Lake⁽³⁷⁹⁾⁽³⁸⁰⁾⁽⁴⁴⁵⁾
Record: Soylu (2014)⁽³⁹⁾, Güven and Öztürk (2018)⁽¹⁵⁶⁾, Soylu *et al.* (2017)⁽²⁵⁷⁾, Öztürk *et al.* (2012)⁽²⁶⁷⁾, Yardımcı *et al.* (2018)⁽²⁷⁸⁾, Çolak (2013)⁽²⁸¹⁾, Öztürk *et al.* (2011)⁽²⁸²⁾, Aydoğdu and Selver (2006)⁽²⁹⁷⁾, Koyun (2001)⁽²⁹⁹⁾, Samancı (2011)⁽³¹²⁾, Kır *et al.* (2013)⁽³¹⁴⁾, Aydoğdu (2001)⁽³¹⁷⁾, Aydoğdu *et al.* (2002)⁽³¹⁸⁾, Öztürk (2000)⁽³¹⁹⁾, Öztürk *et al.* (2012)⁽³²¹⁾, Uzunay and Soylu (2006)⁽³²²⁾, Selver (2008)⁽³³⁰⁾, Selver *et al.* (2009)⁽³³²⁾, Demirtaş (2011)⁽³³⁶⁾, Aydoğdu and Altunel (2002)⁽³⁴⁷⁾, Aydoğdu *et al.* (2003)⁽³⁴⁹⁾, Öztürk (2005)⁽³⁵⁰⁾, Öztürk and Bulut (2006)⁽³⁵¹⁾, Kutlu and Öztürk (2006)⁽³⁵²⁾, Öztürk and Altunel (2006)⁽³⁵⁷⁾, Koyun *et al.* (2015)⁽³⁵⁹⁾, Akbeniz (2006)⁽³⁶³⁾, Akbeniz and Soylu (2008)⁽³⁶⁴⁾, Kır *et al.* (2004)⁽³⁶⁵⁾, Tekin Özcan (2005)⁽³⁶⁶⁾, Kır and Tekin Özcan (2007)⁽³⁶⁷⁾, Kır (1998)⁽³⁶⁸⁾, Tekin Özcan *et al.* (2008)⁽³⁶⁹⁾, Kurupınar (2009)⁽³⁷⁷⁾, Kurupınar and Öztürk (2009)⁽³⁷⁸⁾, Açikel (2011)⁽³⁷⁹⁾, Açikel and Öztürk (2011)⁽³⁸⁰⁾, Erkul (1997)⁽³⁸⁵⁾, Öztürk *et al.* (2002)⁽³⁸⁷⁾, Aydoğdu *et al.* (2014)⁽³⁸⁸⁾, Kır and Tekin Özcan (2005)⁽³⁸⁹⁾, Yıldırım and Ünver (2012)⁽³⁹⁷⁾, Dörücü and İspir (2005)⁽⁴⁰⁷⁾, Soylu (2006)⁽⁴⁰⁸⁾, Özese Çolak (2013)⁽⁴¹²⁾, Karaman and Dörücü (2013)⁽⁴¹⁶⁾, Aslan (2009)⁽⁴²³⁾,

Tekin Özcan *et al.* (2006)⁽⁴³³⁾, Demirtaş (2011)⁽⁴³⁵⁾, Öztürk and Özer (2014)⁽⁴³⁷⁾, Türkmen (1990)⁽⁴³⁸⁾, Öztürk (2011)⁽⁴³⁹⁾, Topçu and Taşçı (1993)⁽⁴⁴⁰⁾, Aksoy (1996)⁽⁴⁴¹⁾, Aydın (2003)⁽⁴⁴²⁾, Örün *et al.* (2003)⁽⁴⁴³⁾, Aslan *et al.* (2013)⁽⁴⁴⁴⁾, Açikel and Öztürk (2012)⁽⁴⁴⁵⁾

***Bothriocephalus claviceps* (Goeze, 1782) Rudolphi, 1810**

Synonym: -

Microhabitat: Body cavity

Host: *Anguilla anguilla*⁽³⁹⁾

Location: Marmara Region, Gala Lake⁽³⁹⁾

Record: Soylu (2014)⁽³⁹⁾

***Bothriocephalus* sp.**

Synonym: -

Microhabitat: Intestine

Host: *Cyprinus carpio*⁽²⁵⁸⁾⁽³⁴⁴⁾⁽³⁴⁵⁾,

Alburnus escherischii⁽²⁵⁸⁾, *Esox*

lucius⁽²⁵⁸⁾, *Squalius cephalus*⁽³⁸¹⁾

Location: Marmara Region, Uluabat Lake⁽³⁴⁵⁾, İzniç Lake⁽³⁴⁴⁾; Central Anatolia Region, Mogan Lake⁽²⁵⁸⁾; Aegean Region, Taşoluk Dam Lake⁽³⁸¹⁾

Record: Sönmez (1996)⁽²⁵⁸⁾,

Aydoğdu (1996)⁽³⁴⁴⁾, Oğuz *et al.*

(1996)⁽³⁴⁵⁾, Yazmen (2012)⁽³⁸¹⁾

***Senga mastacembeli* Rahemo, 1996**

Synonym: -

Microhabitat: Intestine

Host: *Mastacembellus mastacembelus*⁽²⁸⁴⁾

Location: Eastern Anatolia Region,

Atatürk Dam Lake⁽²⁸⁴⁾

Record: Öktener and Alaş (2009)⁽²⁸⁴⁾

***Tetracampos magnum* Zmееv, 1936**

Synonym: *Polyonchobothrium*

magnum (Zmееv, 1936)

Microhabitat: Intestine

Host: *Clarias gariepinus*⁽²⁸⁷⁾

Location: Mediterranean Region,
Kepez I Hidroelektrik Power Plant⁽²⁸⁷⁾
Record: Soylu and Emre (2005)⁽²⁸⁷⁾

FAMILY TRIANOPHORIDAE

Trianophorus crassus Forel, 1868

Synonym: -

Microhabitat: Intestine

Host: *Esox Lucius*⁽²⁸⁸⁾⁽⁴⁰⁴⁾

Location: Marmara Region, Sapanca
Lake⁽²⁸⁸⁾⁽⁴⁰⁴⁾

Record: Soylu (1990)⁽²⁸⁸⁾, Soylu
(1995)⁽⁴⁰⁴⁾

ORDER CARYOPHYLLIDEA
FAMILY CARYOPHYLLAEIDAE

Biacetabulum appendiculatum
(Szidat, 1972)

Synonym: -

Microhabitat: Intestine

Host: *Luciobarbus escherichii*⁽²⁹⁹⁾
(446), *Squalis cephalus*⁽³⁷⁹⁾⁽⁴⁴⁷⁾

Location: Aegean Region, Enne Dam
Lake⁽²⁹⁹⁾⁽⁴⁴⁶⁾, Serban Dam Lake
(379)(380)(447)

Record: Koyun (2001)⁽²⁹⁹⁾, Açikel
(2011)⁽³⁷⁹⁾, Açikel and Öztürk
(2011)⁽³⁸⁰⁾, Koyun (2010)⁽⁴⁴⁶⁾, Açikel
Yiğit and Öztürk (2016)⁽⁴⁴⁷⁾

Caryophyllaeides fennica
(Schneider, 1902)

Synonym: *Caryophyllaeus fennicus*
(Schneider, 1902)

Microhabitat: Intestine

Host: *Rutilus rutilus*⁽³¹⁹⁾, *Scardinius*
erythrophthalmus⁽³¹⁹⁾⁽⁴⁴⁸⁾

Location: Marmara Region, Manyas
Lake⁽³¹⁹⁾⁽⁴⁴⁸⁾

Record: Öztürk (2000)⁽³¹⁹⁾, Öztürk
and Altunel (2001)⁽⁴⁴⁸⁾

Caryophyllaeides sp.

Synonym: -

Microhabitat: Body cavity

Host: *Blicca bjoerkna*⁽³⁷¹⁾

Location: Marmara Region, Uluabat
Lake⁽³⁷¹⁾

Record: Akıncı (1999)⁽³⁷¹⁾

Caryophyllaeus auriculatus
(Kulakovskaya, 1961) Scholz, Oros,
Choudhury, Brabec &
Waeschenbach, 2015

Synonym: *Monobothrium*

auriculatum Kulakovskaya, 1961

Microhabitat: Intestine

Host: *Capoeta umbla*⁽⁴⁴¹⁾

Location: Eastern Anatolia Region,
Hazar Lake⁽⁴⁴¹⁾

Record: Aksoy (1996)⁽⁴⁴¹⁾

Caryophyllaeus brachycollis
Janiszewska, 1953

Synonym: -

Microhabitat: Intestine

Host: *Squalius cephalus*⁽³⁷⁹⁾⁽³⁸⁰⁾⁽⁴⁴⁷⁾,
Cyprinus carpio⁽⁴⁴⁹⁾

Location: Mediterranean Region,
Antakya⁽⁴⁴⁹⁾, Aegean Region, Serban
Barj Lake⁽³⁷⁹⁾⁽³⁸⁰⁾⁽⁴⁴⁷⁾

Record: Açikel (2011)⁽³⁷⁹⁾, Açikel
and Öztürk (2011)⁽³⁸⁰⁾, Açikel Yiğit
and Öztürk (2016)⁽⁴⁴⁷⁾, Paperna
(1964)⁽⁴⁴⁹⁾

Caryophyllaeus fimbriceps
Annenkova-Chlopina, 1919

Synonym: -

Microhabitat: Intestine

Host: *Carassius gibelio*⁽³⁹⁾, *Cyprinus*
carpio⁽²⁸¹⁾

Location: Marmara Region, Gala
Lake⁽³⁹⁾, Sığircı Lake⁽²⁸¹⁾

Record: Soylu (2014)⁽³⁹⁾, Çolak
(2013)⁽²⁸¹⁾

Caryophyllaeus laticeps (Pallas,
1781) Lühe, 1910

Synonym: *Taenia laticeps* Pallas,
1781

Microhabitat: Digestive system

Host: *Cyprinus carpio*⁽²⁵⁶⁾⁽²⁶¹⁾⁽²⁶⁷⁾⁽³¹²⁾
(314)(319)(322)(343)(344)(346)(347)(349)(351)(365)
(366)(367)(368)(369)(438)(440)(450)(357)(416),

Vimba vimba⁽²⁷⁸⁾⁽³¹⁹⁾⁽³⁷³⁾⁽⁴⁴⁸⁾, *Rutilus frisii*⁽³²⁷⁾, *Capoeta capoeta*⁽⁴²³⁾, *Capoeta umbla*⁽⁴⁴¹⁾, *Blicca bjoerkna*⁽²⁶⁵⁾⁽²⁷⁶⁾⁽³¹⁹⁾⁽³³⁰⁾⁽⁴⁰⁸⁾⁽⁴⁴³⁾⁽³⁴⁶⁾, *Luciobarbus escherichii*⁽³¹⁷⁾⁽³¹⁸⁾, *Luciobarbus pectoralis*⁽²⁶¹⁾, *Abramis brama*⁽²⁷⁶⁾⁽³⁴⁰⁾, *Tinca tinca*⁽³³⁶⁾⁽³⁶³⁾, *Acanthobrama marmid*⁽³²⁶⁾⁽⁴²³⁾, *Alburnus mossulensis*⁽³⁰⁴⁾, *Barbus lacerta*⁽³⁵⁹⁾, *Rutilus rutilus*⁽²⁷⁸⁾⁽³²⁸⁾, *Squalius cephalus*⁽²⁷⁸⁾, *Alburnus chalcoides*⁽³²⁸⁾, *Pseudophoxinus egridiri*⁽⁴⁵¹⁾, **Location:** Black Sea Region, Kızılırmak Delta Bafra Fish Lakes⁽²⁶⁷⁾; Central Anatolia Region, Ankara⁽²⁵⁶⁾, Gölbaşı Lake⁽²⁵⁶⁾, Eymir Lake⁽²⁵⁶⁾, Çifteler Sakaryabaşı⁽²⁵⁶⁾, Kurtboğazi Dam Lake⁽²⁵⁶⁾, Sarıyar Dam Lake⁽²⁵⁶⁾, Kızılcahamam Stream⁽²⁵⁶⁾, Hirfanlı Dam Lake⁽²⁵⁶⁾, Çankırı Günerdiğin Pond⁽²⁵⁶⁾, Beyşehir Lake⁽³⁶⁶⁾⁽⁴³³⁾⁽³⁶⁹⁾, Aegean Region, Selevir Dam Lake⁽³⁵¹⁾; Marmara Region, İznik Lake⁽³²⁷⁾⁽³⁴⁴⁾, Manyas Lake⁽³¹⁹⁾⁽⁴⁴⁸⁾⁽³⁵⁷⁾, Karacabey Dalyan Lagoon⁽³⁴⁶⁾, Sapanca Lake⁽³²²⁾⁽³⁶³⁾⁽³⁶⁴⁾⁽⁴⁰⁸⁾, Gölbaşı Dam Lake⁽³⁷³⁾, Durusu (Terkos) Lake⁽³³⁶⁾⁽³⁴⁰⁾⁽⁴³⁵⁾, Kocadere Stream⁽³³⁰⁾, Doğançı Dam Lake⁽³¹⁷⁾⁽³¹⁸⁾, Sakarya Büyükakgöl⁽²⁶⁵⁾, Sakarya River⁽²⁷⁶⁾, Büyükçekmece Dam Lake⁽²⁷⁸⁾, Uluabat Lake⁽³²⁸⁾; Mediterranean Region, Karacaören I Dam Lake⁽³⁶⁵⁾⁽³⁶⁸⁾, Karacaören II Dam Lake⁽³¹⁴⁾⁽³¹²⁾, Kovada Lake⁽³⁶⁷⁾⁽³⁸⁹⁾⁽⁴⁵⁰⁾, Seyhan River⁽²⁶¹⁾, Kepez I Hidroelektrik Power Plant⁽³⁴³⁾, Eğridir Lake⁽⁴⁵¹⁾, Eastern Anatolia Region, Karasu Stream⁽⁴⁴⁰⁾, Bendimahı Stream⁽⁴⁴⁰⁾, Engil Stream⁽⁴⁴⁰⁾, Zerne Dam Lake⁽⁴⁴⁰⁾, Hazar Lake⁽⁴⁴¹⁾, Murat River⁽³⁰⁴⁾⁽³⁵⁹⁾⁽⁴²³⁾, Aras River⁽⁴²³⁾, Bingöl Göynük Stream⁽³²⁶⁾, Kalecik Dam Lake⁽⁴¹⁶⁾, **Record:** Burgu *et al.* (1988)⁽²⁵⁶⁾, Şahan and Cengizler (2003)⁽²⁶¹⁾, Altan and Soylu (2018)⁽²⁶⁵⁾, Öztürk *et al.* (2012)⁽²⁶⁷⁾, Akmırza and Yardımcı (2014)⁽²⁷⁶⁾, Yardımcı *et al.* (2018)⁽²⁷⁸⁾, Tunç and Koyun (2018)⁽³⁰⁴⁾, Samancı

(2011)⁽³¹²⁾, Kır *et al.* (2013)⁽³¹⁴⁾, Aydoğdu (2001)⁽³¹⁷⁾, Aydoğdu *et al.* (2002)⁽³¹⁸⁾, Öztürk (2000)⁽³¹⁹⁾, Uzunay and Soylu (2006)⁽³²²⁾, Koyun *et al.* (2019)⁽³²⁶⁾, Aydoğdu *et al.* (1997)⁽³²⁷⁾, Öztürk (2005)⁽³²⁸⁾, Selver (2008)⁽³³⁰⁾, Demirtaş (2011)⁽³³⁶⁾, Karatoy and Soylu (2006)⁽³⁴⁰⁾, Selver *et al.* (2010)⁽³⁴¹⁾, Soylu and Emre (2007)⁽³⁴³⁾, Aydoğdu (1996)⁽³⁴⁴⁾, Aydoğdu *et al.* (2001)⁽³⁴⁶⁾, Aydoğdu and Altunel (2002)⁽³⁴⁷⁾, Aydoğdu *et al.* (2003)⁽³⁴⁹⁾, Öztürk and Bulut (2006)⁽³⁵¹⁾, Öztürk and Altunel (2006)⁽³⁵⁷⁾, Koyun *et al.* (2015)⁽³⁵⁹⁾, Akbeniz (2006)⁽³⁶³⁾, Akbeniz and Soylu (2008)⁽³⁶⁴⁾, Kır *et al.* (2004)⁽³⁶⁵⁾, Tekin Özcan (2005)⁽³⁶⁶⁾, Kır and Tekin Özcan (2007)⁽³⁶⁷⁾, Kır (1998)⁽³⁶⁸⁾, Tekin Özcan *et al.* (2008)⁽³⁶⁹⁾, Aydoğdu *et al.* (2008)⁽³⁷³⁾, Kır and Tekin Özcan (2005)⁽³⁸⁹⁾, Soylu (2006)⁽⁴⁰⁸⁾, Karaman and Dörücü (2013)⁽⁴¹⁶⁾, Aslan (2009)⁽⁴²³⁾, Tekin Özcan *et al.* (2006)⁽⁴³³⁾, Demirtaş (2011)⁽⁴³⁵⁾, Türkmen (1990)⁽⁴³⁸⁾, Topçu and Taşçı (1993)⁽⁴⁴⁰⁾, Aksoy (1996)⁽⁴⁴¹⁾, Öztürk and Altunel (2001)⁽⁴⁴⁸⁾, Becer and Kara (1998)⁽⁴⁵⁰⁾, Akçimen *et al.* (2018)⁽⁴⁵¹⁾

Caryophyllaeus sp.

Synonym: -

Microhabitat: Gut content

Host: *Cyprinus carpio*⁽⁹⁵⁾⁽²⁶⁰⁾

Location: Central Anatolia Region,

Porsuk Stream⁽⁹⁵⁾; Mediterranean

Region, Seyhan River⁽²⁶⁰⁾

Record: Yetim (1985)⁽⁹⁵⁾, Cengizler *et al.* (2001)⁽²⁶⁰⁾

Paracaryophyllaeus vladkae Scholz, Oros and Aydoğdu, 2014

Synonym: -

Microhabitat: Intestine

Host: *Cobitis bilseli*⁽⁴⁵²⁾

Location: Central Anatolia Region,

Beyşehir Lake⁽⁴⁵²⁾

Record: Scholz *et al.* (2014)⁽⁴⁵²⁾

FAMILY LYTOCESTIDAE

***Khawia armeniaca* (Cholodkovsky, 1915) Shulman, 1958**

Synonym: *Caryophyllaeus armeniacus* Cholodkovsky, 1915, *Khawia barbi* Rahemo et Mohammad, 2002, *Khawia lutei* Al-Kalak et Rahemo, 2003, *Khawia baltica* Chubb *et al.* 1997

Microhabitat: Intestine

Host: *Cyprinus carpio*⁽⁴⁰⁷⁾⁽⁴⁴³⁾, *Capoeta trutta*⁽⁴⁴³⁾, *Capoeta umbla*⁽⁴⁰⁷⁾⁽⁴⁴¹⁾⁽⁴⁴³⁾, *Acanthobrama marmid*⁽⁴⁴³⁾, *Squalius cephalus*⁽⁴⁴³⁾, *Luciobarbus pectoralis*⁽⁴⁵³⁾

Location: Eastern Anatolia Region, Keban Dam Lake⁽⁴⁰⁷⁾⁽⁴⁵³⁾, Hazar Lake⁽⁴⁴¹⁾, Karakaya Dam Lake⁽⁴⁴³⁾

Record: Dörücü and İspir (2005)⁽⁴⁰⁷⁾, Aksoy (1996)⁽⁴⁴¹⁾, Örün *et al.* (2003)⁽⁴⁴³⁾, Özdemir and Sarıeyyüpoğlu (1993)⁽⁴⁵³⁾

***Khawia sinensis* Hsu, 1935**

Synonym: -

Microhabitat: Intestine

Host: *Cyprinus carpio*⁽⁴¹³⁾⁽⁴¹⁵⁾⁽⁴¹⁷⁾

Location: Eastern Anatolia Region, Karakaya Dam Lake⁽⁴¹³⁾, Keban Dam Lake⁽⁴¹⁵⁾⁽⁴¹⁷⁾

Record: Barata and Dörücü (2014)⁽⁴¹³⁾, Kavak and Şeker (2017)⁽⁴¹⁵⁾, Aktürk *et al.* (2020)⁽⁴¹⁷⁾

FAMILY TRIAENOPHORIDAE

***Bathybothrium rectangulum* (Bloch, 1782) Lühe, 1902**

Synonym: -

Microhabitat: Digestive system

Host: *Esox lucius*⁽⁴⁵⁴⁾⁽⁴⁵⁵⁾

Location: Aegean Region, Işıklı Dam Lake⁽⁴⁵⁴⁾⁽⁴⁵⁵⁾

Record: Dişçi (2002)⁽⁴⁵⁴⁾, Kır and Tekin Özcan (2005)⁽⁴⁵⁵⁾

ORDER CYCLOPHYLLIDEA FAMILY GRYPORHYNCHIDAE

***Paradilepis scolecina* (Rudolphi, 1819)**

Synonym: -

Microhabitat: Gall bladder

Host: *Cyprinus carpio*⁽⁴⁵⁶⁾

Location: Central Anatolia Region, Akşehir Lake⁽⁴⁵⁶⁾

Record: Buhurcu and Öztürk (2007)⁽⁴⁵⁶⁾

ORDER DIPHYLLOBOTHRIIDEA FAMILY DIPHYLLOBOTHRIIDAE

***Diphyllobothrium* sp.**

Synonym: -

Microhabitat: Body cavity

Host: *Capoeta umbla*⁽⁴⁴¹⁾

Location: Eastern Anatolia Region, Hazar Lake⁽⁴⁴¹⁾

Record: Aksoy (1996)⁽⁴⁴¹⁾

***Ligula intestinalis* (Linnaeus, 1758) Gmelin, 1790**

Synonym: *Fasciola intestinalis* Linnaeus, 1758

Microhabitat: Body cavity

Host: *Cyprinus carpio*⁽²⁷⁰⁾⁽²⁷¹⁾⁽³⁶⁵⁾⁽³⁶⁸⁾⁽⁴⁷⁷⁾⁽⁴⁸⁴⁾, *Squalius cephalus*⁽²⁹⁵⁾⁽³⁷⁷⁾⁽³⁷⁸⁾⁽⁴⁵⁷⁾⁽⁴⁶⁰⁾⁽⁴⁶²⁾⁽⁴⁶⁵⁾⁽⁴⁷⁰⁾⁽⁴⁷⁴⁾⁽⁴⁷⁶⁾⁽⁴⁷⁹⁾⁽⁴⁸¹⁾⁽⁴⁸²⁾⁽⁴⁸⁴⁾⁽⁴⁸⁶⁾, *Scardinius erythrophthalmus*⁽³³⁵⁾⁽³³⁶⁾⁽³³⁷⁾⁽³³⁹⁾⁽⁴⁵⁰⁾, *Luciobarbus pectoralis*⁽³⁶⁸⁾⁽⁴⁵³⁾⁽⁴⁸⁴⁾, *Chondrostoma regium*⁽³⁷⁶⁾⁽⁴⁶⁰⁾⁽⁴⁸²⁾, *Vimba vimba*⁽⁴⁶⁰⁾⁽⁴⁶¹⁾⁽⁴⁷⁷⁾, *Capoeta umbla*⁽⁴⁵⁷⁾, *Luciobarbus escherichii*⁽⁴⁵⁷⁾, *Acanthobrama marmid*⁽⁴⁰⁷⁾⁽⁴¹³⁾⁽⁴¹⁵⁾⁽⁴⁵⁸⁾⁽⁴⁵⁹⁾⁽⁴⁶²⁾⁽⁴⁶⁶⁾⁽⁴⁶⁷⁾, *Silurus glanis*⁽⁴⁶⁰⁾⁽⁴⁸⁷⁾, *Chondrostoma nasus*⁽⁴⁷⁹⁾⁽⁴⁸⁶⁾, *Capoeta capoeta*⁽⁴⁶⁰⁾⁽⁴⁸³⁾, *Alburnus alburnus*⁽²⁹⁹⁾⁽⁴⁶³⁾⁽⁴⁶⁴⁾⁽⁴⁷⁵⁾, *Alburnus chalcoides*⁽³¹⁹⁾, *Alburnus echerischii*⁽⁴⁷⁷⁾⁽⁴⁷⁹⁾⁽⁴⁸¹⁾⁽⁴⁸⁶⁾, *Alburnus mossulensis*⁽⁴⁵⁸⁾⁽⁴⁵⁹⁾⁽³⁰⁴⁾⁽⁴¹⁶⁾, *Alburnus orontis*⁽⁴⁶⁰⁾⁽⁴⁶²⁾⁽⁴⁷¹⁾⁽⁴⁷⁷⁾⁽⁴⁸²⁾, *Alburnus* sp.⁽²⁵⁶⁾⁽⁴⁸⁷⁾, *Garra rufa*⁽⁴⁶⁰⁾, *Esox lucius*⁽²⁵⁶⁾, *Tinca tinca*⁽³⁶⁶⁾⁽³⁸⁹⁾⁽⁴³³⁾⁽³⁸⁵⁾⁽⁴⁶⁸⁾⁽⁴⁷⁷⁾⁽⁴⁷³⁾

(480)(485), *Rutilus rutilus*⁽³¹⁹⁾⁽⁴⁴⁸⁾⁽⁴⁶⁹⁾, *Abramis brama*⁽³³⁶⁾⁽³⁴²⁾, *Capoeta bergamae*⁽⁴⁷²⁾, *Rhodeus amarus*⁽⁴⁷⁸⁾, *Alburnoides bipunctatus*⁽⁴⁷⁷⁾, *Barbus plebejus*⁽⁴⁷⁷⁾ (444)(483), *Gobio gobio*⁽⁴⁸¹⁾, *Tinca tinca*⁽⁴³⁴⁾⁽³³⁶⁾ (435) (477), *Barbus rajanorum*⁽⁴⁸⁴⁾, *Capoeta angorae*⁽⁴⁸⁴⁾, **Location:** Central Anatolia Region, Ankara⁽²⁵⁶⁾, Çamlıdere Dam Lake⁽⁴⁷⁷⁾, Sarıyar Dam Lake⁽⁴⁶⁰⁾⁽⁴⁶¹⁾, Kumkaya Dam Lake⁽⁴⁶⁰⁾, Kurtboğazı Dam Lake, Kızılırmak Stream⁽⁴⁶⁰⁾, Çayırhan⁽⁴⁶⁰⁾, Yeniköy⁽⁴⁶⁰⁾, Porsuk Stream⁽⁴⁶³⁾, Hamidiye⁽⁴⁶⁰⁾, Pazar⁽⁴⁶⁰⁾, Gölbaşı Lake⁽²⁵⁶⁾, Eymir Lake⁽²⁵⁶⁾, Çifteler Sakaryabaşı⁽²⁵⁶⁾, Kurtboğazı Dam Lake⁽²⁵⁶⁾, Kızılcahamam Stream⁽²⁵⁶⁾, Mogan Lake⁽³⁸⁵⁾⁽⁴⁷⁷⁾⁽⁴⁷³⁾, Hirfanlı Dam Lake⁽³⁸⁵⁾, Kızılırmak (Kalecik)⁽³⁸⁵⁾, Çamkoru Pond⁽⁴⁷¹⁾⁽⁴⁸¹⁾⁽⁴⁷⁶⁾, Gelingüllü Dam Lake⁽⁴⁷⁰⁾, Çamlıdere Dam Lake⁽⁴⁷⁷⁾, Kirmir Stream⁽⁴⁷⁷⁾, Bulak Stream⁽⁴⁷⁷⁾, Beyşehir Lake⁽⁴⁶⁸⁾⁽⁴⁸⁰⁾⁽⁴⁸⁵⁾, Kunduzlar Dam Lake⁽⁴⁷⁹⁾⁽⁴⁸⁶⁾, Mediterranean Region, Kovada Lake⁽³⁸⁹⁾⁽⁴⁵⁰⁾, Karacaören I Dam Lake⁽³⁶⁵⁾⁽³⁶⁸⁾, Aksu River⁽⁴⁷⁷⁾, Yamansaz Lake⁽⁴⁷⁷⁾, Beyşehir Lake⁽³⁶⁶⁾⁽⁴³⁴⁾⁽⁴³³⁾, Seyhan Dam Lake⁽²⁷⁰⁾⁽²⁷¹⁾, Menzelet Dam Lake⁽⁴⁸⁴⁾; Black Sea Region, Almus Dam Lake⁽²⁹⁵⁾⁽³⁷⁶⁾⁽⁴⁶²⁾⁽⁴⁸²⁾, Abant Lake⁽⁴⁷⁷⁾, Yeniçağa Lake⁽⁴⁷⁷⁾, Topçam Dam Lake⁽⁴⁷²⁾, Ardahan Çıldır Lake⁽⁴⁷⁷⁾, Artvin Barhal Stream⁽⁴⁷⁷⁾; Marmara Region, Durusu (Tekos) Lake⁽³³⁹⁾⁽³³⁶⁾ (435)(337)(342), Sapanca Lake⁽⁴⁷⁸⁾, Osmaneli, Balıkesir Yeşilköy Pond, Balıkesir Çaraplıpatlak Dam Lake⁽⁴⁷⁴⁾, Manyas Lake⁽³¹⁹⁾⁽⁴⁴⁸⁾, Çanakkale Yenice Sulama Pond⁽⁴⁶⁹⁾, Gölbaşı Lake⁽³³⁵⁾, İvrindi Yeşilköy Pond⁽⁴⁶⁵⁾, Bursa⁽⁴⁸⁷⁾; Eastern Anatolia Region, Cip Dam Lake⁽⁴⁵⁷⁾, Keban Dam Lake⁽⁴⁰⁷⁾⁽⁴⁵³⁾⁽⁴⁶⁰⁾⁽⁴⁶⁷⁾⁽⁴¹⁵⁾⁽⁴⁶⁶⁾, Çıldır Lake⁽⁴⁷⁷⁾, Karakaya Dam Lake⁽⁴¹³⁾, Devecigeçidi Dam Lake⁽⁴⁵⁸⁾⁽⁴⁵⁹⁾, Murat River⁽³⁰⁴⁾, Tortum Stream⁽⁴⁴⁴⁾, Kars Stream⁽⁴⁸³⁾, Kalecik Dam Lake⁽⁴¹⁶⁾; Aegean Region, Demirköprü Dam Lake⁽⁴⁶⁰⁾, Enne Dam Lake⁽²⁹⁹⁾ (460)(475), Kütahya territory Lakes⁽⁴⁶⁴⁾,

Örenler Dam Lake⁽³⁷⁷⁾⁽³⁷⁸⁾; South-Eastern Anatolia Region, Çağ çağ Stream⁽⁴⁶⁰⁾

Record: Burgu *et al.* (1988)⁽²⁵⁶⁾, İnce (2013)⁽²⁷⁰⁾, İnce and Uslu (2017)⁽²⁷¹⁾, Develi (2008)⁽²⁹⁵⁾, Koyun (2001)⁽²⁹⁹⁾, Tunç and Koyun (2018)⁽³⁰⁴⁾, Öztürk (2000)⁽³¹⁹⁾, Aydoğdu *et al.* (2008)⁽³³⁵⁾, Demirtaş (2011)⁽³³⁶⁾, Demirtaş and Altındağ (2011)⁽³³⁷⁾, Kahveci (2004)⁽³³⁹⁾, Demirtaş and Altındağ (2011)⁽³⁴²⁾, Kır *et al.* (2004)⁽³⁶⁵⁾, Tekin Özcan (2005)⁽³⁶⁶⁾, Kır (1998)⁽³⁶⁸⁾, Özgül and Turgut (2006)⁽³⁷⁶⁾, Kurupınar (2009)⁽³⁷⁷⁾, Kurupınar and Öztürk (2009)⁽³⁷⁸⁾, Erkul (1997)⁽³⁸⁵⁾, Kır and Tekin Özcan (2005)⁽³⁸⁹⁾, Dörücü and İspir (2005)⁽⁴⁰⁷⁾, Barata and Dörücü (2014)⁽⁴¹³⁾, Kavak and Şeker (2017)⁽⁴¹⁵⁾, Karaman and Dörücü (2013)⁽⁴¹⁶⁾, Tekin Özcan *et al.* (2006)⁽⁴³³⁾, Alaş *et al.* (2010)⁽⁴³⁴⁾, Demirtaş (2011)⁽⁴³⁵⁾, Aslan *et al.* (2013)⁽⁴⁴⁴⁾, Öztürk and Altunel (2001)⁽⁴⁴⁸⁾, Becer and Kara (1998)⁽⁴⁵⁰⁾, Özdemir and Sarıeyyüpoğlu (1993)⁽⁴⁵³⁾, Cantoray and Özcan (1975)⁽⁴⁵⁷⁾, Başaran and Kelle (1976)⁽⁴⁵⁸⁾, Kelle (1978)⁽⁴⁵⁹⁾, Keskin and Erk'akan (1987)⁽⁴⁶⁰⁾, Ekmekçi (1989)⁽⁴⁶¹⁾, Cengizler *et al.* (1991)⁽⁴⁶²⁾, Yılmaz *et al.* (1996)⁽⁴⁶³⁾, Koyun *et al.* (1999)⁽⁴⁶⁴⁾, Bulgen (1999)⁽⁴⁶⁵⁾, Türk and Dörücü (2000)⁽⁴⁶⁶⁾, Türk (2000)⁽⁴⁶⁷⁾, Yavuzcan Yıldız *et al.* (2003)⁽⁴⁶⁸⁾, Oğuz *et al.* (2004)⁽⁴⁶⁹⁾, Ekmekçi and Kırankaya (2004)⁽⁴⁷⁰⁾, İnnal (2004)⁽⁴⁷¹⁾, Şaşı (2005)⁽⁴⁷²⁾, Ergönül and Altındağ (2005)⁽⁴⁷³⁾, Torcu-Koç *et al.* (2006)⁽⁴⁷⁴⁾, Koyun (2006)⁽⁴⁷⁵⁾, İnnal and Keskin (2006)⁽⁴⁷⁶⁾, İnnal *et al.* (2007)⁽⁴⁷⁷⁾, Akmirza (2007)⁽⁴⁷⁸⁾, Özbek (2009)⁽⁴⁷⁹⁾, Korkmaz and Zencir (2009)⁽⁴⁸⁰⁾, İnnal *et al.* (2010)⁽⁴⁸¹⁾, Turgut *et al.* (2011)⁽⁴⁸²⁾, Arslan *et al.* (2015)⁽⁴⁸³⁾, Özcan *et al.* (2019)⁽⁴⁸⁴⁾, Tekin-Özcan and Kır (2008)⁽⁴⁸⁵⁾, Özbek and Öztürk (2010)⁽⁴⁸⁶⁾, Logan *et al.* (2004)⁽⁴⁸⁷⁾

Ligula pavlovskii Dubinina, 1959

Synonym: -

Microhabitat: Body cavity

Host: *Neogobius fluviatilis*⁽³¹⁹⁾⁽³⁸⁷⁾⁽⁴⁸⁸⁾

Location: Marmara Region, Manyas Lake⁽³¹⁹⁾⁽⁴⁸⁸⁾, Uluabat Lake⁽³⁸⁷⁾

Record: Öztürk (2000)⁽³¹⁹⁾, Öztürk et al. (2002a)⁽³⁸⁷⁾, Öztürk et al. (2001)⁽⁴⁸⁸⁾

***Ligula* sp.**

Synonym: -

Microhabitat: Body cavity

Host: *Vimba vimba*⁽⁹⁵⁾, *Cyprinus carpio*⁽²⁵⁸⁾, *Esox lucius*⁽²⁵⁸⁾, *Alburnus escherichii*⁽²⁵⁸⁾, *Silurus glanis*⁽²⁹²⁾⁽²⁹⁴⁾, *Tinca tinca*⁽⁴³²⁾⁽⁴⁸⁹⁾,

Location: Central Anatolia Region, Mogan Lake⁽²⁵⁸⁾⁽⁴⁸⁹⁾, Porsuk River⁽⁹⁵⁾, Kapulukaya Dam Lake⁽⁴³²⁾; Marmara Region, İznik Lake⁽²⁹²⁾⁽²⁹⁴⁾

Record: Yetim (1985)⁽⁹⁵⁾, Sönmez (1996)⁽²⁵⁸⁾, Aydoğdu et al. (1996)⁽²⁹²⁾, Aydoğdu et al. (2002)⁽²⁹⁴⁾, Yıldız (2003)⁽⁴³²⁾, Öge and Aydın (1995)⁽⁴⁸⁹⁾

***Schistocephalus* sp.**

Synonym: -

Microhabitat: Digestive system

Host: *Cyprinus carpio*⁽²⁶⁰⁾, *Luciobarbus pectoralis*⁽²⁶¹⁾

Location: Mediterranean Region, Seyhan River⁽²⁶⁰⁾⁽²⁶¹⁾

Record: Cengizler et al. (2001)⁽²⁶⁰⁾, Şahan and Cengizler (2003)⁽²⁶¹⁾

ORDER

ONCHOPROTEOCEPHALIDEA FAMILY PROTEOCEPHALIDAE

***Glanitaenia osculata* (Goeze, 1782)**

Synonym: *Taenia osculata* Goeze, 1782, *Proteocephalus osculatus* (Goeze, 1782)

Microhabitat: Digestive system

Host: *Silurus glanis*⁽²⁵⁶⁾⁽⁴⁴²⁾

Location: Central Anatolia Region, Gölbaşı Lake⁽²⁵⁶⁾, Eymir Lake⁽²⁵⁶⁾, Sarıyar Dam Lake⁽²⁵⁶⁾, Hirfanlı Dam Lake⁽²⁵⁶⁾⁽⁴⁴²⁾

Record: Burgu et al. (1988)⁽²⁵⁶⁾, Aydın (2003)⁽⁴⁴²⁾

***Postgangesia inarmata* de Chambrier, Al-Kallak and Mariaux, 2003**

Synonym: -

Microhabitat: Intestine

Host: *Silurus triostegus*⁽²⁸⁴⁾

Location: Eastern Anatolia Region, Atatürk Dam Lake⁽²⁸⁴⁾

Record: Öktener and Alaş (2009)⁽²⁸⁴⁾

***Proteocephalus percae* (Müller, 1780)**

Synonym: *Ichthyotaenia ocellata* (Rudolphi, 1802) Lönnberg, 1894

Microhabitat: Intestine

Host: *Perca fluviatilis*⁽³⁹⁾⁽²⁸¹⁾⁽³⁹²⁾, *Sander lucioperca*⁽²⁸¹⁾

Location: Marmara Region, Gala Lake⁽³⁹⁾, Sığircı Lake⁽²⁸¹⁾⁽³⁹²⁾

Record: Soylu (2014)⁽³⁹⁾, Çolak (2013)⁽²⁸¹⁾, Soylu (2013)⁽³⁹²⁾

***Proteocephalus torulosus* (Batsch, 1786)**

Synonym: *Ophiotaenia critica*

Mpoame & Landers, 1981, *Proteocephalus cobraeformis* Haderlie, 1953, *Proteocephalus criticum* (Mpoame & Landers, 1981) de Chambrier, Scholz, Mariaux, & Kuchta, 2017 (Malformed suffix), *Proteocephalus criticus* (Mpoame & Landers, 1981) de Chambrier, Scholz, Kuchta & Mariaux, 2017, *Proteocephalus ptychocheilus* Faust, 1919, *Proteocephalus ruzskyi* Titova, 1946, *Taenia torulosa* Batsch, 1786

Microhabitat: Body cavity

Host: *Tinca tinca*⁽³³⁶⁾⁽³⁶⁶⁾⁽³⁸⁹⁾⁽⁴³³⁾⁽⁴³⁵⁾

Location: Mediterranean Region,

Kovada Lake⁽³⁸⁹⁾, Beyşehir Lake⁽³⁶⁶⁾⁽⁴³³⁾; Marmara Region,

Durusu (Terkos) Lake⁽³³⁶⁾⁽⁴³⁵⁾

Record: Demirtaş (2011)⁽³³⁶⁾, Tekin Özcan (2005)⁽³⁶⁶⁾, Kır and Tekin Özcan

(2005)⁽³⁸⁹⁾, Tekin Özcan *et al.*
(2006)⁽⁴³³⁾, Demirtaş (2011)⁽⁴³⁵⁾

***Proteocephalus* sp.**

Synonym: -

Microhabitat: Intestine

Host: *Cyprinus carpio*⁽⁹⁵⁾, *Alburnus escherischii*⁽⁴³⁹⁾, *Squalius cephalus*⁽⁴³⁹⁾

Location: Central Anatolia Region, Porsuk Stream⁽⁹⁵⁾, Kunduzlar Dam Lake⁽⁴³⁹⁾

Record: Yetim (1985)⁽⁹⁵⁾, Öztürk (2011)⁽⁴³⁹⁾

***Silurotaenia siluri* (Batsch, 1786)**

Synonym: *Taenia siluri* Batsch, 1786

Microhabitat: Intestine

Host: *Silurus glanis*⁽²⁸⁸⁾⁽²⁹¹⁾

Location: Marmara Region, Sapanca Lake⁽²⁸⁸⁾, Durusu (Terkos) Lake⁽²⁹¹⁾

Record: Soylu (1990)⁽²⁸⁸⁾, Soylu (2005)⁽²⁹¹⁾

PHYLUM NEMATODA

CLASS ENOPLEA

ORDER DIOCTOPHYMATIDA

FAMILY DIOCTOPHYMIDAE

***Eustrongylides excisus* Jägerskiöld, 1909**

Synonym: -

Microhabitat: Body cavity, intestine, muscle

Host: *Lepomis gibbosus*⁽³⁹⁾, *Perca fluviatilis*⁽³⁹⁾⁽²⁷⁸⁾⁽²⁸¹⁾⁽³⁹²⁾, *Squalius cephalus*⁽²⁷⁸⁾, *Rutilus rutilus*⁽²⁷⁸⁾, *Vimba vimba*⁽²⁷⁸⁾, *Scardinius erythrophthalmus*⁽²⁷⁸⁾⁽³³⁹⁾, *Silurus glanis*⁽²⁷⁸⁾⁽²⁹¹⁾, *Sander lucioperca*⁽²⁸¹⁾⁽⁴⁹¹⁾⁽⁴⁹²⁾, *Aphanius splendens*⁽²⁸⁶⁾, *Aphanius danfordii*⁽²⁸⁶⁾, *Aphanius sureyanus*⁽²⁸⁶⁾, *Aphanius transgrediens*⁽²⁸⁶⁾, *Neogobius fluviatilis*⁽³¹⁹⁾⁽³⁸⁷⁾⁽⁴⁸⁸⁾, *Abramis brama*⁽³⁴⁰⁾, *Atherina boyeri*⁽⁴¹²⁾⁽⁴⁹²⁾,

Aphanius mento⁽⁴⁹⁰⁾, *Cyprinus carpio*⁽⁴⁹²⁾, *Carassius gibelio*⁽⁴⁹²⁾

Location: Marmara Region, Gala Lake⁽³⁹⁾, Büyükçekmece Dam Lake⁽²⁷⁸⁾, Sığırcı Lake⁽²⁸¹⁾⁽³⁹²⁾, Manyas Lake⁽³¹⁹⁾⁽⁴⁸⁸⁾, Uluabat Lake⁽³⁸⁷⁾, Durusu (Terkos) Lake⁽²⁹¹⁾⁽³³⁹⁾⁽³⁴⁰⁾, İzmit Lake⁽⁴¹²⁾; Mediterranean Region, Eğirdir Lake⁽²⁸⁶⁾⁽⁴⁹¹⁾⁽⁴⁹²⁾, Burdur Lake⁽²⁸⁶⁾, Burdur Acı Lake⁽²⁸⁶⁾, Burdur Salda Lake⁽²⁸⁶⁾, KırkEye Stream⁽⁴⁹⁰⁾,

Record: Soylu (2014)⁽³⁹⁾, Yardımcı *et al.* (2018)⁽²⁷⁸⁾, Çolak (2013)⁽²⁸¹⁾, İnnal *et al.* (2019)⁽²⁸⁶⁾, Soylu (2005)⁽²⁹¹⁾, Öztürk (2000)⁽³¹⁹⁾, Kahveci (2004)⁽³³⁹⁾, Karatoy and Soylu (2006)⁽³⁴⁰⁾, Öztürk *et al.* (2002)⁽³⁸⁷⁾, Soylu (2013)⁽³⁹²⁾, Özeken Çolak (2013)⁽⁴¹²⁾, Öztürk *et al.* (2001)⁽⁴⁸⁸⁾, Aydoğdu *et al.* (2011)⁽⁴⁹⁰⁾, Metin *et al.* (2014)⁽⁴⁹¹⁾, Akçimen *et al.* (2014)⁽⁴⁹²⁾

***Eustrongylides* sp.**

Synonym: -

Microhabitat: Body cavity, intestine

Host: *Silurus glanis*⁽²⁹⁴⁾, *Vimba vimba*⁽³²¹⁾, *Rutilus rutilus*⁽³³⁰⁾⁽³³²⁾, *Blicca bjoerkna*⁽³³⁰⁾⁽³⁴¹⁾, *Scardinius erythrophthalmus*⁽³³⁰⁾⁽³³⁵⁾, *Squalius cephalus*⁽³⁷⁰⁾, *Sarmarutilus rubilio*⁽³⁷²⁾, *Tinca tinca*⁽³⁸⁴⁾, *Sander lucioperca*⁽⁴⁹³⁾

Location: Marmara Region, İzmit Lake⁽²⁹⁴⁾⁽³⁷²⁾, Kocadere Stream⁽³³⁰⁾⁽³³²⁾⁽³³⁵⁾⁽³⁴¹⁾, Susurluk Stream⁽³⁷⁰⁾; Black Sea Region,

Kızılırmak Delta Bafra Fish Lakes⁽³²¹⁾; Aegean Region, Manisa Marmara Region Lake⁽⁴⁹³⁾

Record: Aydoğdu *et al.* (2002)⁽²⁹⁴⁾, Öztürk *et al.* (2012)⁽³²¹⁾, Selver (2008)⁽³³⁰⁾, Selver *et al.* (2009)⁽³³²⁾, Aydoğdu *et al.* (2008)⁽³³⁵⁾, Selver *et al.* (2010)⁽³⁴¹⁾, Gürkan and Tekin Özcan (2012)⁽³⁷⁰⁾, Aydoğdu *et al.* (2000)⁽³⁷²⁾, Aydoğdu *et al.* (1996), Tanrıkul *et al.* (2019)⁽⁴⁹³⁾

ORDER RHABDITIDA
FAMILY ANGUILLACOLIDAE

***Anguillicola crassus* Kuwahara,
Niimi & Itagaki, 1974**

Synonym: *Anguillicola*
(*Anguillicoloides*) *crassus* Kuwahara,
Niimi & Itagaki, 1974,
Anguillicoloides crassus (Kuwahara,
Niimi & Itagaki, 1974) Moravec &
Taraschewski, 1988

Microhabitat: Air bladder

Host: *Anguilla anguilla*⁽³⁹⁾⁽²⁸¹⁾⁽⁴⁹⁴⁾
(495)(496)

Location: Marmara Region, Sığircı
Lake⁽²⁸¹⁾, Gala Lake⁽³⁹⁾;

Mediterranean Region, Ceyhan
River⁽⁴⁹⁴⁾⁽⁴⁹⁵⁾, Asi River⁽⁴⁹⁶⁾

Record: Soylu (2014)⁽³⁹⁾, Çolak
(2013)⁽²⁸¹⁾, Şahan *et al.* (2007)⁽⁴⁹⁴⁾,
Genç *et al.* (2005)⁽⁴⁹⁵⁾, Genç *et al.*
(2008)⁽⁴⁹⁶⁾

FAMILY ANISAKIDAE

***Contracaecum siluri-glandis* Von
Lintow, 1883**

Synonym: -

Microhabitat: Mesentary, liver,
stomach

Host: *Silurus glanis*⁽⁴⁴²⁾

Location: Central Anatolia Region,
Hirfanlı Dam Lake⁽⁴⁴²⁾

Record: Aydın (2003)⁽⁴⁴²⁾

***Contracaecum* sp.**

Synonym: *Cerascaris* Cobb, 1929,
Kathleena Leiper & Atkinson, 1914

Microhabitat: Vücut boşluğu, pyloric
caeca

Host: *Cyprinus carpio*⁽²⁶⁷⁾⁽³⁵⁴⁾,
Scardinius erythrophthalmus⁽²⁷⁵⁾⁽³³⁰⁾
(333), *Carassius auratus*⁽²⁹⁸⁾, *Carassius*
carassius⁽²⁹⁸⁾⁽³⁰⁶⁾⁽³¹⁰⁾, *Luciobarbus*
escherischii⁽³¹⁸⁾, *Rutilus rutilus*
(330)(332), *Capoeta tinca*⁽³⁴⁸⁾, *Vimba*
vimba⁽³²¹⁾⁽³⁷³⁾, *Barbus lacerta*⁽³⁵⁹⁾,
Salmo trutta⁽⁴²⁶⁾, *Pseudophoxinus*
battalgilae⁽⁴⁹⁰⁾

Location: Marmara Region,
Kocadere Stream⁽³³⁰⁾⁽³³²⁾, Bayramdere
(Karacabey) Lagoon⁽³³³⁾, Gölbaşı

Dam Lake⁽³⁷³⁾, Doğancı Dam
Lake⁽³¹⁸⁾⁽³⁴⁸⁾; Black Sea Region,
Kızılırmak Delta Bafra Fish Lakes⁽²⁶⁷⁾
(275)(321); Aegean Region, Tahtalı Dam
Lake⁽³⁵⁴⁾, Enne Dam Lake⁽²⁹⁸⁾;
Mediterranean Region, Kovada
Lake⁽³⁰⁶⁾⁽³¹⁰⁾; Eastern Anatolia Region,
Munzur River⁽⁴²⁶⁾, Murat River⁽³⁵⁹⁾,
Mediterranean Region, Manavgat
River⁽⁴⁹⁰⁾

Record: Öztürk *et al.* (2012)⁽²⁶⁷⁾,
Özer *et al.* (2012)⁽²⁷⁵⁾, Koyun and
Altunel (2007)⁽²⁹⁸⁾, Tekin Özcan and
Kır (2005)⁽³⁰⁶⁾, Kır (2007)⁽³¹⁰⁾,
Aydoğdu *et al.* (2002)⁽³¹⁸⁾, Öztürk *et al.*
(2012)⁽³²¹⁾, Selver (2008)⁽³³⁰⁾,
Selver *et al.* (2009)⁽³³²⁾, Öztürk *et al.*
(2002)⁽³³³⁾, Aydoğdu and Altunel
(2002)⁽³⁴⁸⁾, Karakişi and Demir
(2012)⁽³⁵⁴⁾, Koyun *et al.* (2015)⁽³⁵⁹⁾,
Aydoğdu *et al.* (2008)⁽³⁷³⁾, Ekingen
(1975)⁽⁴²⁶⁾, Aydoğdu *et al.* (2011)⁽⁴⁹⁰⁾

FAMILY CAMALLANIDAE

***Camallanus truncatus* Rudolphi,
1814**

Synonym: -

Microhabitat: Digestive system

Host: *Sander lucioperca*⁽²⁸²⁾, *Esox*
lucius⁽⁴⁵⁴⁾⁽⁴⁵⁵⁾

Location: Black Sea Region,
Kızılırmak Delta Bafra Fish
Lakes⁽²⁸²⁾; Aegean Region, Işıklı Dam
Lake⁽⁴⁵⁴⁾⁽⁴⁵⁵⁾

Record: Öztürk *et al.* (2011)⁽²⁸²⁾,
Dişçi (2002)⁽⁴⁵⁴⁾, Kır and Tekin Özcan
(2005)⁽⁴⁵⁵⁾

**FAMILY
GNATHOSTOMATIDAE**

***Spiroxys contortus* (Rudolphi, 1819)**

Synonym: -

Microhabitat: Liver, stomach
intestinal content

Host: *Cyprinus carpio*⁽²⁶⁷⁾, *Aphanius*
danfordii⁽²⁶⁹⁾, *Vimba vimba*⁽³²¹⁾

Location: Black Sea Region, Samsun
Kızılırmak Delta Bafra Fish

Lakes⁽²⁶⁷⁾⁽³²¹⁾, Sinop Sarıkum Lagoon⁽²⁶⁹⁾
Record: Öztürk *et al.* (2012)⁽²⁶⁷⁾, Öztürk and Özer (2008)⁽²⁶⁹⁾, Öztürk *et al.* (2012)⁽³²¹⁾

FAMILY PHILOMETRIDAE

Philometra ovata (Zeder, 1803)

Synonym: *Philometra abdominalis* Nybelin, 1928

Microhabitat: -

Host: *Squalius cephalus*⁽²⁹⁹⁾⁽⁴⁹⁷⁾⁽⁴⁹⁸⁾, *Capoeta umbla*⁽⁴⁴¹⁾

Location: Central Anatolia Region, Çamkoru Lake⁽⁴⁹⁸⁾, Seydisu Stream⁽⁴⁹⁷⁾; Eastern Anatolia Region, Hazar Lake⁽⁴⁴¹⁾; Aegean Region, Enne Dam Lake⁽²⁹⁹⁾

Record: Koyun (2001)⁽²⁹⁹⁾, Aksoy (1996)⁽⁴⁴¹⁾, Keskin (1988)⁽⁴⁹⁷⁾, İnnal and Keskin (2005)⁽⁴⁹⁸⁾

Philometra rischta Skrjabin, 1917

Synonym: -

Microhabitat: Digestive system

Host: *Capoeta umbla*⁽²⁹⁶⁾

Location: Eastern Anatolia Region, Hazar Lake⁽²⁹⁶⁾

Record: Aksoy *et al.* (2006)⁽²⁹⁶⁾

Philonema sp.

Synonym: -

Microhabitat: Body cavity

Host: *Salmo trutta*⁽⁴²⁶⁾

Location: Eastern Anatolia Region, Munzur River⁽⁴²⁶⁾

Record: Ekingen (1975)⁽⁴²⁶⁾

FAMILY RAPHDASCARIDIDAE

Hysterothylacium aduncum (Rudolphi, 1802)

Synonym: *Ascaris adunca* Rudolphi, 1802, *Ascaris clavata* Rudolphi, 1809, *Contracaecum aduncum* (Rudolphi, 1802), *Contracaecum benimasu* Fujita, 1932, *Contracaecum clavatum*

(Rudolphi, 1809) Baylis, 1920, *Contracaecum crassicaudatum* Fujita, 1939, *Contracaecum elongatum* Fujita, 1939, *Contracaecum hippoglossi* Fujita, 1932, *Contracaecum hypomesi* Fujita, 1932, *Contracaecum longispiculum* Fujita, 1940, *Contracaecum mesopi* Fujita, 1940, *Contracaecum ochotense* Fujita, 1932, *Contracaecum okadai* Fujita, 1940, *Contracaecum oshoroensis* Fujita, 1940, *Contracaecum salvelini* Fujita, 1940, *Hysterothylacium clavatum* (Rudolphi, 1809), *Hysterothylacium longispiculum* (Fujita, 1940), *Hysterothylacium okadai* (Fujita, 1940) Deardorff & Overstreet, 1981, *Hysterothylacium salvelini* (Fujita, 1940) Deardorff & Overstreet, 1981, *Thynnascaris aduncum* Rudolphi
Microhabitat: Liver, stomach intestine

Host: *Aphanius danfordii*⁽²⁶⁹⁾, *Carassius carassius*⁽³¹²⁾, *Carassius gibelio*⁽³¹³⁾

Location: Black Sea Region, Sinop Sarıkum Lagoon⁽²⁶⁹⁾; Central Anatolia Region, Karacaören II Dam Lake⁽³¹²⁾⁽³¹³⁾

Record: Öztürk and Özer (2008)⁽²⁶⁹⁾, Samancı (2011)⁽³¹²⁾, Kır and Samancı (2012)⁽³¹³⁾

Hysterothylacium sp.

Synonym: *Maricostula* Bruce & Cannon, 1989, *Thynnascaris Dollfus*, 1933

Microhabitat: Digestive system

Host: *Scardinius erythrophthalmus*⁽³³⁴⁾⁽³³⁵⁾

Location: Marmara Region, Kocadere Stream⁽³³⁴⁾⁽³³⁵⁾

Record: Selver and Aydoğdu (2006)⁽³³⁴⁾, Aydoğdu *et al.* (2008)⁽³³⁵⁾

Raphidascaris (Raphidascaris) acus (Boch, 1779)

Synonym: *Ascaris anguillae* Schrank, 1790, *Goezia magna* (Kreis, 1937)

Mozgovoi in Skrjabin, Schikhobalova & Mozgovoi, 1951, *Raphidascaris acus* (Bloch, 1779): (accepted, alternate representation)

Microhabitat: Intestine

Host: *Esox lucius*⁽²⁷⁶⁾⁽²⁷⁸⁾⁽²⁸⁸⁾⁽³³³⁾⁽³⁹³⁾⁽³⁹⁴⁾⁽³⁹⁵⁾⁽⁴⁵⁴⁾⁽⁴⁵⁵⁾⁽⁵⁰³⁾, *Carassius gibelio*⁽²⁷⁸⁾, *Silurus glanis*⁽²⁸⁸⁾

Location: Marmara Region, Sakarya River⁽²⁷⁶⁾, Büyükçekmece Dam Lake⁽²⁷⁸⁾, Sapanca Lake⁽²⁸⁸⁾, Bayramdere (Karacabey) Lagoon⁽³³³⁾, Uluabat Lake⁽³⁹³⁾⁽³⁹⁴⁾, Gölbaşı Dam Lake⁽³⁹⁵⁾, Aegean Region, Işıklı Dam Lake⁽⁴⁵⁴⁾⁽⁴⁵⁵⁾, Karamık Lake⁽⁵⁰³⁾

Record: Akmirza and Yardımcı (2014)⁽²⁷⁶⁾, Yardımcı *et al.* (2018)⁽²⁷⁸⁾, Soyulu (1990)⁽²⁸⁸⁾, Öztürk *et al.* (2002)⁽³³³⁾, Öztürk (1995)⁽³⁹³⁾, Öztürk *et al.* (2000)⁽³⁹⁴⁾, Aydoğdu *et al.* (2008)⁽³⁹⁵⁾, Dişçi (2002)⁽⁴⁵⁴⁾, Kır and Tekin Özcan (2005)⁽⁴⁵⁵⁾, Akkent and Öztürk (2017)⁽⁵⁰³⁾

Raphidascaris sp.

Synonym: *Neogoezia* Kreis, 1937

Microhabitat: Stomach

Host: *Esox lucius*⁽⁴⁹⁹⁾

Location: Central Anatolia Region, Çapalı Lake⁽⁴⁹⁹⁾

Record: Ceylan (2002)⁽⁴⁹⁹⁾

FAMILY RHABDOCHONIDAE

***Rhabdochona denudata* (Dujardin, 1845) Railliet, 1916**

Synonym: *Dispharagus denudatus* Dujardin, 1945

Microhabitat: Intestine

Host: *Alburnus alburnus*⁽²⁹⁷⁾, *Alburnus mossulensis*⁽³⁰⁴⁾, *Squalius cephalus*⁽³¹⁷⁾, *Capoeta trutta*⁽³²⁶⁾, *Barbus lacerta*⁽³⁵⁹⁾, *Luciobarbus pectoralis*⁽³⁶⁸⁾, *Capoeta capoeta*⁽⁴²³⁾, *Barbus plebejus*⁽⁴²³⁾⁽⁴⁴⁴⁾⁽⁵⁰⁰⁾, *Luciobarbus mursa*⁽⁴²³⁾, *Cyprinus carpio*⁽⁴⁴⁰⁾, *Salmo trutta*⁽⁴⁴⁴⁾, *Nemacheilus sp.*⁽⁴⁴⁴⁾, *Capoeta tinca*⁽⁴⁴⁴⁾, *Capoeta antalyensis*⁽⁴⁹⁰⁾

Location: Eastern Anatolia Region,

Murat River⁽³⁰⁴⁾, Bingöl Göynük Stream⁽³²⁶⁾, Karasu Stream⁽⁴⁴⁰⁾, Bendimahı Stream⁽⁴⁴⁰⁾, Engil Stream⁽⁴⁴⁰⁾, Zeynek Dam Lake⁽⁴⁴⁰⁾, Tortum Stream⁽⁴⁴⁴⁾, Aras River⁽⁵⁰⁰⁾; Mediterranean Region, Karacaören I Dam Lake⁽³⁶⁸⁾, Marmara Region, Mustafakemalpaşa Stream⁽²⁹⁷⁾, Doğancı Dam Lake⁽³¹⁷⁾; Eastern Anatolia Region, Murat River⁽³⁵⁹⁾⁽⁴²³⁾, Aras River⁽⁴²³⁾; Mediterranean Region, Köprüçay River⁽⁴⁹⁰⁾
Record: Aydoğdu and Selver (2006)⁽²⁹⁷⁾, Tunç and Koyun (2018)⁽³⁰⁴⁾, Aydoğdu (2001)⁽³¹⁷⁾, Koyun *et al.* (2019)⁽³²⁶⁾, Koyun *et al.* (2015)⁽³⁵⁹⁾, Topçu and Kır (1998)⁽³⁶⁸⁾, Aslan (2009)⁽⁴²³⁾, Taşcı (1993)⁽⁴⁴⁰⁾, Aslan *et al.* (2013)⁽⁴⁴⁴⁾, Aydoğdu *et al.* (2011)⁽⁴⁹⁰⁾, Aslan and Oğuz (2011)⁽⁵⁰⁰⁾

Rhabdochona sp.

Synonym: *Rhadochona* (Lapsus)

Microhabitat: Digestive system

Host: *Alburnus chalcoides*⁽³⁹⁷⁾, *Scardinius erythrophthalmus*⁽⁴³⁰⁾, *Cyprinion macrostomum*⁽⁵⁰¹⁾, *Garra rufa*⁽⁵⁰¹⁾

Location: Central Anatolia Region, Tödürge Lake⁽³⁹⁷⁾, Balıklı Cermik⁽⁵⁰¹⁾, Topardıç Stream⁽⁵⁰¹⁾; Marmara Region, Uluabat Lake⁽⁴³⁰⁾

Record: Yıldırım and Ünver (2012)⁽³⁹⁷⁾, Oğuz and Öztürk (1993)⁽⁴³⁰⁾, Saygı and Bardakçı (1990)⁽⁵⁰¹⁾

FAMILY SKRJABILLANIDAE

***Skrjabillanus scardinii* Molnar, 1965**

Synonym: *Skrjabillanus scardinii* Molnar, 1966

Microhabitat: Intestine, body cavity

Host: *Scardinius erythrophthalmus*⁽³³⁰⁾⁽³³⁵⁾

Location: Marmara Region, Kocadere Stream⁽³³⁰⁾⁽³³⁵⁾

Record: Selver (2008)⁽³³⁰⁾, Aydoğdu *et al.* (2008)⁽³³⁵⁾

**ORDER SPIRURIDA
FAMILY SKRJABILLANIDAE**

***Kalmanmolnaria intestinalis* (Dogiel
& Bychowsky, 1934)**

Synonym: *Molnaria intestinalis* (Dogiel & Bychovsky, 1934), *Philometra intestinalis* Dogiel and Bykhovs., 1934
Microhabitat: Intestine
Host: *Chondrostoma* sp.⁽²⁵⁶⁾, *Squalius cephalus*⁽²⁷³⁾, *Squalius lepidus*⁽³⁵⁶⁾
Location: Eastern Anatolia Region, Atatürk Dam Lake⁽³⁵⁶⁾; Central Anatolia Region, Kızılcahamam Stream⁽²⁵⁶⁾, Nallıhan Stream⁽²⁵⁶⁾, Yamula Dam Lake⁽²⁷³⁾
Record: Burgu *et al.* (1988)⁽²⁵⁶⁾, Kılınçaslan (2007)⁽²⁷³⁾, Dal (2006)⁽³⁵⁶⁾

**ORDER TRICHINELLIDA
FAMILY CAPILLARIIDAE**

***Capillaria* sp.**

Synonym: *Thominx* Dujardin, 1845
Microhabitat: Liver, stomach-intestine content
Host: *Aphanius danfordii*⁽²⁶⁹⁾, *Rutilus frisii*⁽⁴³⁸⁾
Location: Black Sea Region, Sinop Sarıkum Lagoon⁽²⁶⁹⁾; Marmara Region, İznik Lake⁽⁴³⁸⁾
Record: Öztürk and Özer (2008)⁽²⁶⁹⁾, Türkmen (1990)⁽⁴³⁸⁾

***Pseudocapillaria (Pseudocapillaria) tomentosa* (Dujardin, 1845)
Moravec, 1987**

Synonym: -
Microhabitat: Digestive system
Host: *Cyprinus carpio*⁽³¹⁹⁾⁽³⁵⁷⁾
Location: Marmara Region, Manyas Lake⁽³¹⁹⁾⁽³⁵⁷⁾
Record: Öztürk (2000)⁽³¹⁹⁾, Öztürk and Altunel (2006)⁽³⁵⁷⁾

***Schulmanela petruschewskii*
(Schulman, 1948) Ivashkin, 1964**

Synonym: *Capillaria acerinae* Thieme, 1961
Microhabitat: Liver
Host: *Gambusia holbrooki*⁽⁵⁰²⁾
Location: Black Sea Region, Kızılırmak Delta Bafra Fish Lakes⁽⁵⁰²⁾
Record: Öztürk *et al.* (2011)⁽⁵⁰²⁾

**PHYLUM
ACANTHOCEPHALA**

**CLASS EOACANTHOCEPHALA
ORDER ECHINORHYNCHIDA
FAMILY ECHINORHYNCHIDAE**

***Acanthocephalus anguillae* (Müller,
1780) Lühe, 1911**

Synonym: *Acanthocephalus lavareti* Koelreuther, 1771, *Acanthocephalus paronai* (Condorelli, 1897) Meyer, 1932, *Echinorhynchus anguillae* Müller, 1780, *Echinorhynchus globosus* Rudolphi, 1809, *Echinorhynchus linstowi* Hamann, 1891, *Echinorhynchus paronai* Condorelli, 1897
Microhabitat: Intestine
Host: *Perca fluviatilis*⁽³⁹⁾, *Anguilla anguilla*⁽³⁹⁾⁽²⁸¹⁾, *Tinca tinca*⁽³⁶⁶⁾⁽⁴³³⁾, *Esox lucius*⁽³⁹³⁾⁽³⁹⁴⁾
Location: Marmara Region, Uluabat Lake⁽³⁹³⁾⁽³⁹⁴⁾, Sığircı Lake⁽²⁸¹⁾, Mediterranean Region, Beyşehir Lake⁽³⁶⁶⁾⁽⁴³³⁾
Record: Soylu (2014)⁽³⁹⁾, Çolak (2013)⁽²⁸¹⁾, Tekin Özcan (2005)⁽³⁶⁶⁾, Öztürk (1995)⁽³⁹³⁾, Öztürk *et al.* (2000)⁽³⁹⁴⁾, Tekin Özcan *et al.* (2006)⁽⁴³³⁾

***Acanthocephalus lucii* (Mueller,
1776) Lühe 1911**

Synonym: *Echinorhynchus angustatus* Rudolphi, 1802, *Echinorhynchus blennii* Rudolphi, 1810, *Echinorhynchus lucii* Müller, 1776
Microhabitat: Intestine

Host: *Anguilla anguilla*⁽³⁹⁾⁽²⁸¹⁾, *Tinca tinca*⁽³⁶¹⁾, *Esox lucius*⁽⁵⁰³⁾

Location: Marmara Region, Gala Lake⁽³⁹⁾, Sığircı Lake⁽²⁸¹⁾, Uluabat Lake⁽³⁶¹⁾, Aegean Region, Karamık Lake⁽⁵⁰³⁾

Record: Soylu (2014)⁽³⁹⁾, Colak (2013)⁽²⁸¹⁾, Öztürk (2002)⁽³⁶¹⁾, Akkent and Öztürk (2017)⁽⁵⁰³⁾

***Acanthocephalus* sp.**

Synonym: *Haerucula* Pallas, 1760, *Paracanthocephalus* Achmerov & Dombrowskaja-Achmerova, 1941, *Pseudoechinorhynchus* Petrochenko, 1956

Microhabitat: Pyloric caeca

Host: *Salmo trutta*⁽⁴²⁶⁾, *Lepomis gibbosus*⁽³⁹⁾, *Perca fluviatilis*⁽³⁹⁾, *Aphanius anatoliae*⁽⁵⁰⁴⁾

Location: Marmara Region, Gala Lake⁽³⁹⁾; Eastern Anatolia Region, Munzur River⁽⁴²⁶⁾; Mediterranean Region, Burdur Pınarbaşı Kanalı⁽⁵⁰⁴⁾

Record: Soylu (2014)⁽³⁹⁾, Ekingen (1975)⁽⁴²⁶⁾, Smales *et al.* (2015)⁽⁵⁰⁴⁾

ORDER GYRACANTHOCEPHALA FAMILY QUADRIGYRIDAE

***Triaspiron aphanii* Smales, Aydoğdu & Emre, 2012**

Synonym: -

Microhabitat: Intestine

Host: *Aphanius mento*⁽⁵⁰⁵⁾

Location: Mediterranean Region, KırkEye Stream⁽⁵⁰⁵⁾

Record: Smales *et al.* (2012)⁽⁵⁰⁵⁾

ORDER NEOECHINORHYNCHIDA

FAMILY NEOECHINORHYNCHIDAE

***Neoechinorhynchus*
(*Neoechinorhynchus*) *rutili* (Müller,
1780) Hamann in Stiles & Hassall,
1905**

Synonym: *Echinorhynchus*
clavaeiceps Zeder, 1800,
Echinorhynchus rutili Müller, 1780,
Eorhynchus rutili (Müller, 1784) Van
Cleave, 1914, *Neoechinorhynchus*
carassii Roitman, 1961, *N. clavaeiceps*
(Zeder, 1800) Hamann in Stiles &
Hassall, 1905, *N. simnasularis*
Roitman, 1961, *Neorhynchus*
clavaeiceps (Zeder, 1800) Hamann,
1892, *Neoechinorhynchus rutili*
(Müller, 1780)

Microhabitat: Intestine

Host: *Barbus* sp.⁽²⁵⁶⁾, *Alburnus*
sp.⁽²⁵⁶⁾⁽⁴⁸⁴⁾, *Planiliza haematocheila*
(276), *Esox lucius*⁽²⁸⁸⁾⁽⁴⁵⁴⁾⁽⁴⁵⁵⁾, *Vimba*
vimba⁽³²²⁾, *Rutilus frisii*⁽³²⁷⁾, *Cyprinus*
carpio⁽³⁴⁴⁾⁽⁴⁰⁷⁾⁽⁴¹⁰⁾⁽⁴³⁸⁾⁽⁴⁴⁰⁾⁽⁴⁴³⁾⁽⁴⁸⁴⁾⁽⁵⁰⁶⁾
(510), *Aphanius danfordii*⁽²⁶⁹⁾, *Capoeta*
trutta⁽³⁵⁶⁾⁽⁴⁰⁹⁾⁽⁴¹³⁾⁽⁴¹⁵⁾⁽⁴¹⁶⁾⁽⁴¹⁷⁾⁽⁴⁴³⁾⁽⁵⁰⁷⁾⁽⁵⁰⁸⁾,
Sarmarutilus rubilio⁽³⁷²⁾, *Capoeta*
umbla⁽⁴⁰⁷⁾⁽⁴⁴³⁾⁽⁵⁰⁸⁾⁽⁵⁰⁹⁾, *Acanthobrama*
marmid⁽⁴¹³⁾⁽⁴¹⁵⁾⁽⁵⁰⁸⁾, *Alburnus*
mossulensis⁽⁴¹³⁾⁽⁴¹⁵⁾, *Luciobarbus*
mystaceus⁽⁴¹⁷⁾, *Chondrostoma*
regium⁽⁴⁴³⁾, *Luciobarbus esocinus*⁽⁴¹⁷⁾
(443), *Squalius cephalus*⁽⁴⁸⁴⁾⁽⁵⁰⁸⁾,
Capoeta barroisi⁽⁴⁸⁴⁾⁽⁵¹⁰⁾, *Barbus*
rajanorum⁽⁴⁸⁴⁾⁽⁵¹⁰⁾, *Capoeta angorae*
(484), *Luciobarbus pectoralis*⁽⁴⁸⁴⁾,
Chondrostoma regium⁽⁵⁰⁸⁾, *Garra*
rufa⁽⁵⁰⁸⁾, *Barbus lacerta*⁽⁵⁰⁸⁾

Location: Central Anatolia Region,
Ankara⁽²⁵⁶⁾, Gölbaşı Lake⁽⁵⁰⁷⁾, Eymir
Lake⁽²⁵⁶⁾, Çifteler Sakaryabaşı⁽²⁵⁶⁾,
Kurtboğazı Dam Lake⁽²⁵⁶⁾, Sarıyar
Dam Lake⁽²⁵⁶⁾, Kızılcahamam
Stream⁽²⁵⁶⁾; Black Sea Region, Sinop
Sarıkum Lagoon⁽²⁶⁹⁾; Marmara
Region, İznik Lake⁽³²⁷⁾⁽³⁴⁴⁾⁽³⁷²⁾⁽⁴³⁸⁾⁽⁵⁰⁶⁾,
Sapanca Lake⁽²⁸⁸⁾⁽³²²⁾; Eastern
Anatolia Region, Karasu Stream⁽⁴⁴⁰⁾,
Bendimahı Stream⁽⁴⁴⁰⁾, Engil
Stream⁽⁴⁴⁰⁾, Zerne Dam Lake⁽⁴⁴⁰⁾,
Atatürk Dam Lake⁽³⁵⁶⁾, Karakaya Dam
Lake⁽⁴¹³⁾⁽⁴⁴³⁾, Keban Dam
Lake⁽⁴⁰⁷⁾⁽⁴⁰⁹⁾⁽⁴¹²⁾⁽⁴¹⁵⁾⁽⁴¹⁷⁾, Murat
River⁽⁵⁰⁸⁾, Pülümür Stream⁽⁵⁰⁹⁾,
Kalecik Dam Lake⁽⁴¹⁶⁾; Aegean
Region, Işıklı Dam Lake⁽⁴⁵⁴⁾⁽⁴⁵⁵⁾,
Mediterranean Region, Menzelet Dam
Lake⁽⁴⁸⁴⁾⁽⁵¹⁰⁾

Record: Burgu *et al.* (1988)⁽²⁵⁶⁾, Öztürk and Özer (2008)⁽²⁶⁹⁾, Akmirza and Yardımcı (2014)⁽²⁷⁶⁾, Soylu (1990)⁽²⁸⁸⁾, Uzunay and Soylu (2006)⁽³²²⁾, Aydoğdu *et al.* (1997)⁽³²⁷⁾, Aydoğdu (1996)⁽³⁴⁴⁾, Dal (2006)⁽³⁵⁶⁾, Aydoğdu *et al.* (2000)⁽³⁷²⁾, Dörücü and İspir (2005)⁽⁴⁰⁷⁾, Dörücü *et al.* (2008)⁽⁴⁰⁹⁾, Karabulut (2009)⁽⁴¹⁰⁾, Barata and Dörücü (2014)⁽⁴¹³⁾, Kavak and Şeker (2017)⁽⁴¹⁵⁾, Karaman and Dörücü (2013)⁽⁴¹⁶⁾, Aktürk *et al.* (2020)⁽⁴¹⁷⁾, Türkmen (1990)⁽⁴³⁸⁾, Topçu and Taşçı (1993)⁽⁴⁴⁰⁾, Örün *et al.* (2003)⁽⁴⁴³⁾, Dişçi (2002)⁽⁴⁵⁴⁾, Kır and Tekin Özan (2005)⁽⁴⁵⁵⁾, Özcan *et al.* (2019)⁽⁴⁸⁴⁾, Aydoğdu *et al.* (1997)⁽⁵⁰⁶⁾, Sağlam and Sarıeyyüpoğlu (2002)⁽⁵⁰⁷⁾, Gül *et al.* (2017)⁽⁵⁰⁸⁾, Serdar *et al.* (2018)⁽⁵⁰⁹⁾, Özcan and Bozdoğan (2020)⁽⁵¹⁰⁾

***Neoechinorhynchus*
(*Neoechinorhynchus*) *zabensis*
Amin, Abdullah & Mhaisen, 2003**

Synonym: -

Microhabitat: Intestine

Host: *Capoeta trutta*⁽³²⁶⁾, *Capoeta umbla*⁽³⁶⁰⁾, *Capoeta angorae*⁽⁵⁰⁴⁾, *Capoeta erhani*⁽⁵⁰⁴⁾, *Capoeta barroisi*⁽⁵¹¹⁾

Location: Eastern Anatolia Region, Bingöl Göynük Stream⁽³²⁶⁾, Murat River⁽³⁶⁰⁾⁽⁵¹¹⁾, Kahramanmaraş Fırniz Stream⁽⁵⁰⁴⁾, Kahramanmaraş Menzelet Dam Lake⁽⁵⁰⁴⁾

Record: Koyun *et al.* (2019)⁽³²⁶⁾, Koyun (2012)⁽³⁶⁰⁾, Smales *et al.* (2015)⁽⁵⁰⁴⁾, Oğuz *et al.* (2012)⁽⁵¹¹⁾

***Neoechinorhynchus* sp.**

Synonym: *Eorhynchus* Van Cleave, 1914, *Eosentis* Van Cleave, 1928, *Hebesoma* Van Cleave, 1928, *Neoechinorhynchus longissimus* Farooqi, 1980, *Neorhynchus* Hamann, 1892

Microhabitat: Stomach, intestine

Host: *Esox lucius*⁽³⁹⁾⁽²⁸¹⁾, *Cyprinus carpio*⁽²⁸¹⁾, *Salmo trutta*⁽²⁸³⁾, *Vimba*

vimba⁽³²¹⁾, *Capoeta capoeta*⁽⁴²³⁾⁽⁵⁰⁰⁾, *Capoeta barroisi*⁽⁴²³⁾, *Barbus plebejus*⁽⁴²³⁾⁽⁵⁰⁰⁾, *Luciobarbus pectoralis*⁽⁴⁵³⁾

Location: Marmara Region, Gala Lake⁽³⁹⁾, Sığircı Lake⁽²⁸¹⁾, Black Sea Region, Kızılırmak Delta Bafra Fish Lakes⁽³²¹⁾, Eastern Anatolia Region, Munzur River⁽²⁸³⁾, Aras River⁽⁴²³⁾, Keban Dam Lake⁽⁴⁵³⁾, Murat River⁽⁴⁵³⁾, Aras River⁽⁵⁰⁰⁾

Record: Soylu (2014)⁽³⁹⁾, Çolak (2013)⁽²⁸¹⁾, Ekingen (1976)⁽²⁸³⁾, Öztürk *et al.* (2012)⁽³²¹⁾, Aslan (2009)⁽⁴²³⁾, Özdemir and Sarıeyyüpoğlu (1993)⁽⁴⁵³⁾, Aslan and Oğuz (2011)⁽⁵⁰⁰⁾

**CLASS
PALAEOACANTHOCEPHALA**

**ORDER ECHINORHYNCHIDA
FAMILY
POMPHORHYNCHIDAE**

***Paralongicollum nurtenae* Smales,
Aydoğdu & Emre, 2015**

Synonym: -

Microhabitat: Intestine

Host: *Chondrostoma fahirae*⁽⁵⁰⁴⁾, *Aphanius villwocki*⁽⁵⁰⁴⁾

Location: Aegean Region, Afyonkarahisar Pınarbaşı Stream⁽⁵⁰⁴⁾

Record: Smales *et al.* (2015)⁽⁵⁰⁴⁾

***Pomphorhynchus laevis* (Zoega in
Müller, 1776) Porta, 1908**

Synonym: *Acanthocephalus lavareti* (Rudolphi, 1809) Diesing, 1851, *Echinorhynchus laevis* Zoega in Müller, 1776, *Echinorhynchus lavareti* Rudolphi, 1809, *Echinorhynchus proteus* Westrumb, 1821, *Echinorhynchus salvelini* Schrank, 1788, *Pomphorhynchus proteus* (Westrumb, 1821) Porta, 1905
Microhabitat: Intestine
Host: *Cyprinus carpio*⁽²⁵⁶⁾, *Alburnus* sp.⁽²⁵⁶⁾, *Esox lucius*⁽²⁵⁶⁾, *Silurus glanis*⁽²⁵⁶⁾⁽²⁷⁶⁾, *Barbus barbus*⁽²⁷⁶⁾,

Alburnus alburnus⁽²⁹⁸⁾⁽²⁹⁹⁾, *Squalius cephalus*⁽²⁹⁹⁾⁽³⁷⁷⁾⁽³⁷⁸⁾, *Carassius auratus*⁽²⁹⁸⁾⁽²⁹⁹⁾, *Carassius carassius*⁽²⁹⁸⁾⁽²⁹⁹⁾, *Nemacheilus* sp.⁽²⁹⁹⁾, *Pseudophoxinus crassus*⁽³⁸⁸⁾, *Tinca tinca*⁽⁴³²⁾⁽⁵¹³⁾⁽⁵¹⁴⁾, *Alburnus nasreddini*⁽⁴⁵⁶⁾, *Luciobarbus escherichii*⁽⁵¹²⁾, *Alburnus baliki*⁽⁵¹⁵⁾, *Capoeta antalyensis*⁽⁵¹⁵⁾

Location: Central Anatolia Region, Gölbaşı Lake⁽²⁵⁶⁾, Eymir Lake⁽²⁵⁶⁾, Çifteler Sakaryabaşı⁽²⁵⁶⁾, Kurtboğazı Dam Lake⁽²⁵⁶⁾, Sarıyar Dam Lake⁽²⁵⁶⁾, Hirfanlı Dam Lake⁽²⁵⁶⁾, Kızılcahamam Stream⁽²⁵⁶⁾, Çankırı Günerdiğin Pond⁽²⁵⁶⁾, Konya İncesu Stream⁽³⁸⁸⁾, Kapulukaya Dam Lake⁽⁴³²⁾⁽⁵¹³⁾⁽⁵¹⁴⁾, Akşehir Lake⁽⁴⁵⁶⁾; Aegean Region, Enne Dam Lake⁽²⁹⁸⁾⁽²⁹⁹⁾, Örenler Dam Lake⁽³⁷⁷⁾⁽³⁷⁸⁾; Marmara Region, Sakarya River⁽²⁷⁶⁾, Sakarya Karasu Büyükcoz Lake⁽⁵¹²⁾; Mediterranean Region, Antalya Körfezine dökülen dereler⁽⁵¹⁵⁾

Record: Burgu *et al.* (1988)⁽²⁵⁶⁾, Akmırza and Yardımcı (2014)⁽²⁷⁶⁾, Koyun and Altunel (2007)⁽²⁹⁸⁾, Kurupınar (2009)⁽³⁷⁷⁾, Kurupınar and Öztürk (2009)⁽³⁷⁸⁾, Aydoğdu *et al.* (2014)⁽³⁸⁸⁾, Yıldız (2003)⁽⁴³²⁾, Buhurcu and Öztürk (2007)⁽⁴⁵⁶⁾, Soylu (1991)⁽⁵¹²⁾, Yıldız and Çavuşoğlu (2003)⁽⁵¹³⁾, Yıldız *et al.* (2004)⁽⁵¹⁴⁾, Aydoğdu *et al.* (2011)⁽⁵¹⁵⁾

Pomphorhynchus spindlet truncatus
Amin, Abdullah & Mhaisen, 2003

Synonym: -

Microhabitat: Intestine

Host: *Barbus plebejus*⁽⁴⁴⁴⁾, *Capoeta tinca*⁽⁴⁴⁴⁾, *Capoeta mauricii*⁽⁵⁰⁴⁾, *Chondrostoma fahirae*⁽⁵⁰⁴⁾, *Pseudophoxinus fahrettini*⁽⁵⁰⁴⁾

Location: Eastern Anatolia Region, Tortum Stream⁽⁴⁴⁴⁾; Central Anatolia Region, Beyşehir Lake⁽⁵⁰⁴⁾; Mediterranean Region, Burdur Kırkpınar Stream⁽⁵⁰⁴⁾, Antalya Aksu Stream⁽⁵⁰⁴⁾

Record: Aslan *et al.* (2013)⁽⁴⁴⁴⁾, Smales *et al.* (2015)⁽⁵⁰⁴⁾

Pomphorhynchus tereticollis
(Rudolphi, 1809) Meyer, 1932

Synonym: *Echinorhynchus tereticollis* Rudolphi, 1809, *Pomphorhynchus intermedius* Engelbrecht, 1957

Microhabitat: Intestine

Host: *Cobitis bilseli*⁽⁵⁰⁵⁾

Location: Central Anatolia Region, Beyşehir Lake⁽⁵⁰⁵⁾

Record: Smales *et al.* (2012)⁽⁵⁰⁵⁾

***Pomphorhynchus* sp.**

Synonym: -

Microhabitat: Digestive system

Host: *Chondrostoma nasus*⁽⁹⁵⁾, *Luciobarbus escherichii*⁽⁹⁵⁾, *Squalius carinus*⁽²⁵⁷⁾, *Capoeta capoeta*⁽⁴²³⁾, *Barbus plebejus*⁽⁴²³⁾, *Squalius cephalus*⁽⁴²³⁾⁽⁵⁰⁰⁾

Location: Central Anatolia Region, Porsuk Stream⁽⁹⁵⁾; Aegean Region, Denizli Işıklı Dam Lake⁽²⁵⁷⁾; Eastern Anatolia Region, Murat River⁽⁴²³⁾, Aras River⁽⁴²³⁾⁽⁵⁰⁰⁾

Record: Yetim (1985)⁽⁹⁵⁾, Soylu *et al.* (2017)⁽²⁵⁷⁾, Aslan (2009)⁽⁴²³⁾, Aslan and Oğuz (2011)⁽⁵⁰⁰⁾

***Acanthocephalus clavula* (Dujardin, 1845)**
Grabda-Kazubaska & Chubb, 1968

Synonym: *Echinorhynchus clavula* Dujardin, 1845

Microhabitat: Intestine

Host: *Cyprinus carpio*⁽⁴⁴⁰⁾

Location: Eastern Anatolia Region, Karasu Stream⁽⁴⁴⁰⁾, Bendimahî Stream⁽⁴⁴⁰⁾, Engil Stream⁽⁴⁴⁰⁾, Zeynek Dam Lake⁽⁴⁴⁰⁾

Record: Topçu and Taşçı (1993)⁽⁴⁴⁰⁾

PHYLUM ARTHROPODA

SUBPHYLUM CRUSTACEA
CLASS HEXANAUPLIA
ORDER CYCLOPOIDA
FAMILY ERGASILIDAE

***Ergasilus briani* Markevich, 1933**

Synonym: *Ergasilus minor* Halisch, 1934

Microhabitat: Gills

Host: *Alburnus mossulensis*⁽²⁸⁰⁾

Location: Eastern Anatolia Region, Keban Dam Lake⁽²⁸⁰⁾

Record: Sağlam (1992)⁽²⁸⁰⁾

***Ergasilus lizae* Kroyer 1863**

Synonym: *Ergasilus nanus* Beneden, 1870

Microhabitat: Gills

Host: *Mugil cephalus*⁽³⁹⁾, *Alosa fallax*⁽³⁹⁾

Location: Marmara Region, Gala Lake⁽³⁹⁾

Record: Soylu (2014)⁽³⁹⁾

***Ergasilus mosulensis* Rahemo, 1982**

Synonym: -

Microhabitat: Gills

Host: *Silurus triostegus*⁽²⁸⁴⁾, *Carasobarbus luteus*⁽²⁸⁴⁾, *Planiliza abu*⁽⁵¹⁶⁾

Location: Eastern Anatolia Region, Atatürk Dam Lake⁽²⁸⁴⁾⁽⁵¹⁶⁾

Record: Öktener and Alaş (2009)⁽²⁸⁴⁾, Öktener et al. (2007)⁽⁵¹⁶⁾

***Ergasilus sieboldi* Nordmann, 1832**

Synonym: *Ergasilus baikalensis* Messjatzeff, 1928, *Ergasilus depressus* Sars M., 1862, *Ergasilus esocis* Sumpf, 1871, *Ergasilus hoferi* Borodin, 1915, *Ergasilus surbecki* Baumann, 1913, *Ergasilus trisetaceus* Nordmann, 1832

Microhabitat: Gills

Host: *Cyprinus carpio*⁽²⁶⁷⁾⁽³⁴⁶⁾, *Aphanius danfordii*⁽²⁶⁹⁾, *Alburnus istanbulensis*⁽²⁷⁷⁾, *Chondrostoma regium*⁽²⁸⁰⁾, *Capoeta trutta*⁽²⁸⁰⁾⁽⁵¹⁷⁾, *Vimba vimba*⁽³²²⁾, *Acanthobrama marmid*⁽³²⁶⁾, *Esox lucius*⁽³³³⁾, *Barbus lacerta*⁽³⁵⁹⁾, *Tinca tinca*⁽³⁶¹⁾⁽³⁶³⁾⁽³⁶⁴⁾, *Capoeta capoeta*⁽³⁷⁵⁾, *Alburnus orontis*⁽³⁷⁵⁾

Location: Black Sea Region,

Kızılırmak Delta Bafra Fish Lakes⁽²⁶⁷⁾, Sinop Sarıkm Lagoon⁽²⁶⁹⁾;

Marmara Region, Ömerli Dam Lake⁽²⁷⁷⁾, Sapanca Lake⁽³²²⁾⁽³⁶³⁾ (364), Bayramdere (Karacabey) Lagoon⁽³³³⁾, Karacabey Dalyan Lagoon⁽³⁴⁶⁾, Uluabat Lake⁽³⁶¹⁾, Eastern Anatolia Region, Keban Dam Lake⁽²⁸⁰⁾⁽⁵¹⁷⁾, Bingöl Göynük Stream⁽³²⁶⁾, Murat River⁽³⁵⁹⁾, Mediterranean Region, Balıklıağ Stream⁽³⁷⁵⁾

Record: Öztürk et al. (2012)⁽²⁶⁷⁾, Öztürk and Özer (2008)⁽²⁶⁹⁾, Şimşek (2013)⁽²⁷⁷⁾, Sağlam (1992)⁽²⁸⁰⁾, Uzunay and Soylu (2006)⁽³²²⁾, Koyun et al. (2019)⁽³²⁶⁾, Öztürk et al. (2002)⁽³³³⁾, Aydoğdu et al. (2001)⁽³⁴⁶⁾, Koyun et al. (2015)⁽³⁵⁹⁾, Öztürk (2002)⁽³⁶¹⁾, Akbeniz (2006)⁽³⁶³⁾, Akbeniz and Soylu (2008)⁽³⁶⁴⁾, Cengizler and Göksu (1994)⁽³⁷⁵⁾, Sarıeyyüpoğlu and Sağlam (1991)⁽⁵¹⁷⁾

***Ergasilus* sp.**

Synonym: *Ergasiloides* Sars G.O., 1909

Limnoncaea Kokubo, 1914, *Markewitschia* Yamaguti, 1963, *Megabrachinus* Hesse, 1871 *Pseudergasilus* Yamaguti, 1936

Microhabitat: Gills

Host: *Aphanius danfordii*⁽³⁾⁽⁴⁾, *Vimba vimba*⁽³⁾⁽⁴⁾, *Rutilus rutilus*⁽²⁷⁸⁾, *Carassius gibelio*⁽²⁷⁸⁾, *Alburnus mossulensis*⁽³⁰⁴⁾, *Cyprinus carpio*⁽³⁸³⁾

Location: Black Sea Region, Sinop Sırakaraağaçlar Stream⁽³⁾⁽⁴⁾; Marmara Region, Büyükekmece Dam Lake⁽²⁷⁸⁾, Kocadere Lake⁽³⁸³⁾, Uluabat Lake⁽³⁸³⁾, Ekinli Lagoon⁽³⁸³⁾; Eastern Anatolia Region, Murat River⁽³⁰⁴⁾

Record: Ünsal (2008)⁽³⁾, Özer and Ünsal (2009)⁽⁴⁾, Yardımcı et al. (2018)⁽²⁷⁸⁾, Tunç and Koyun (2018)⁽³⁰⁴⁾, Oğuz (1991)⁽³⁸³⁾

***Neoergasilus japonicus* (Harada, 1930)**

Synonym: *Ergasilus japonicus*

Harada, 1930

Microhabitat: Gills

Host: *Scardinius erythrophthalmus*
(338)(518)(519)

Location: Marmara Region, Sapanca Lake⁽³³⁸⁾ (518)(519)

Record: Kuş and Soylu (2006)⁽³³⁸⁾, Soylu and Soylu (2012)⁽⁵¹⁸⁾, Çanayaz et al. (2018)⁽⁵¹⁹⁾

***Paraergasilus longidigitus* Yin, 1954**

Synonym: -

Microhabitat: Gills

Host: *Alburnus alburnus*⁽⁵²⁰⁾

Location: Aegean Region, Enne Dam Lake⁽⁵²⁰⁾

Record: Koyun et al. (2007)⁽⁵²⁰⁾

FAMILY LERNAEIDAE

***Lernaea cyprinacea cyprinacea* Linnaeus, 1758**

Synonym: *Lernaea carassii* Tidd, 1933, *Lernaea cyprinacea* Linnaeus, 1758, *Lernaea elegans* Leigh-Sharpe, 1925, *Lernaea ranae* Stunkard & Cable, 1931, *Lernaea tentaculis* Linnaeus, 1746, *Lernaea tentaculis quatuor* Linnaeus, 1746, *Lernaeocera cyprinacea* (Linnaeus, 1746), *Lernaeocera gasterostei* Bruhl, 1860

Microhabitat: Gills

Host: *Lepomis gibbosus*⁽³⁹⁾, *Squalius carinus*⁽²⁵⁷⁾, *Tinca tinca*⁽²⁷⁰⁾⁽²⁷¹⁾⁽⁵²⁴⁾, *Esox lucius*⁽²⁸⁸⁾, *Silurus glanis*⁽²⁸⁸⁾, *Carassius carassius*⁽³¹²⁾, *Cyprinus carpio*⁽³¹²⁾⁽³¹⁴⁾⁽³⁵⁴⁾, *Carassius gibelio*⁽³¹³⁾⁽⁵²⁴⁾, *Pseudophoxinus egridiri*⁽⁴⁵¹⁾, *Gambusia affinis*⁽⁵²¹⁾, *Cyprinion macrostomum*⁽⁵²²⁾, *Squalius cephalus*⁽⁵²³⁾, *Chondrostoma beysehirense*⁽⁵²³⁾, *Alburnus baliki*⁽⁵²⁴⁾, *Barbus xanthos*⁽⁵²⁴⁾, *Pseudophoxinus zekayi*⁽⁵²⁴⁾, *Pseudorasbora parva*⁽⁵²⁴⁾, *Pseudophoxinus burduricus*⁽⁵²⁴⁾

Location: Marmara Region, Gala Lake⁽³⁹⁾, Sapanca Lake⁽²⁸⁸⁾; Aegean Region, Denizli Işıklı Dam Lake⁽²⁵⁷⁾, Tahtalı Dam Lake⁽³⁵⁴⁾; Mediterranean

Region, Karacaören II Dam Lake⁽³¹³⁾⁽³¹⁴⁾⁽³¹²⁾, Seyhan Dam Lake⁽²⁷⁰⁾⁽²⁷¹⁾, Kundu⁽⁵²¹⁾, Eğridir Lake⁽⁴⁵¹⁾, Değirmen Stream⁽⁵²⁴⁾, Çanaklı Lake⁽⁵²⁴⁾, Onaç Reservoirs⁽⁵²⁴⁾, Karataş Lake⁽⁵²⁴⁾, Ceyhan River⁽⁵²⁴⁾; Eastern Anatolia Region, Murat River⁽⁵²²⁾; Central Anatolia Region, Beyşehir Lake⁽⁵²³⁾⁽⁵²⁴⁾, Üzünlü Lake⁽⁵²³⁾

Record: Soylu (2014)⁽³⁹⁾, Soylu et al. (2017)⁽²⁵⁷⁾, İnce (2013)⁽²⁷⁰⁾, İnce and Uslu (2017)⁽²⁷¹⁾, Soylu (1990)⁽²⁸⁸⁾, Samancı (2011)⁽³¹²⁾, Kır and Samancı (2012)⁽³¹³⁾, Kır et al. (2013)⁽³¹⁴⁾, Karakişi and Demir (2012)⁽³⁵⁴⁾, Akçimen et al. (2018)⁽⁴⁵¹⁾, İnnal and Avenant-Oldewage (2012)⁽⁵²¹⁾, Koyun et al. (2015)⁽⁵²²⁾, Erbatur et al. (2018)⁽⁵²³⁾, İnnal (2020)⁽⁵²⁴⁾

***Lamproglena pulchella* Nordmann, 1832**

Synonym: -

Microhabitat: Gills, skin, fins, mouth

Host: *Scardinius erythrophthalmus*⁽²⁸⁸⁾⁽³³⁸⁾⁽⁵²⁷⁾, *Capoeta trutta*⁽²⁸⁰⁾⁽³²⁶⁾⁽⁵²⁵⁾⁽⁵²⁶⁾, *Chondrostoma regium*⁽²⁸⁰⁾⁽⁵²⁵⁾, *Barbus lacerta*⁽³⁵⁹⁾, *Cyprinus carpio*⁽⁵²⁶⁾, *Squalius carinus*⁽²⁵⁷⁾

Location: Aegean Region, Denizli Işıklı Dam Lake⁽²⁵⁷⁾; Marmara Region, Sapanca Lake⁽²⁸⁸⁾⁽³³⁸⁾⁽⁵²⁷⁾; Eastern Anatolia Region, Keban Dam Lake⁽²⁸⁰⁾⁽⁵²⁵⁾, Bingöl Göynük Stream⁽³²⁶⁾, Murat River⁽³⁵⁹⁾; South-Eastern Anatolia Region, Şanlıurfa Balıklıgöl⁽⁵²⁶⁾;

Record: Soylu et al. (2017)⁽²⁵⁷⁾, Sağlam (1992)⁽²⁸⁰⁾, Soylu (1990)⁽²⁸⁸⁾, Koyun et al. (2019)⁽³²⁶⁾, Kuş and Soylu (2006)⁽³³⁸⁾, Koyun et al. (2015)⁽³⁵⁹⁾, Sağlam (1998)⁽⁵²⁵⁾, Öktener et al. (2008)⁽⁵²⁶⁾, Soylu (2012)⁽⁵²⁷⁾

***Lamproglena* sp.**

Synonym: -

Microhabitat: Gills

Host: *Squalius cephalus*⁽²⁹⁵⁾

Location: Black Sea Region, Almus Dam Lake⁽²⁹⁵⁾
Record: Develi (2008)⁽²⁹⁵⁾

CLASS HEXANAUPLIA

ORDER SIPHONOSTOMATOIDA FAMILY LERNAEPODIDAE

Tracheliastes polycolpus Nordmann,
1832

Synonym: -

Microhabitat: Fins

Host: *Capoeta trutta*⁽²⁸⁰⁾, *Capoeta umbla*⁽⁵²⁸⁾

Location: Eastern Anatolia Region, Keban Dam Lake⁽²⁸⁰⁾, Murat River⁽⁵²⁸⁾

Record: Sağlam (1992)⁽²⁸⁰⁾, Koyun (2011)⁽⁵²⁸⁾

SUBCLASS BRANCHIURA ORDER ARGULOIDA FAMILY ARGULIDAE

Argulus foliaceus (Linnaeus, 1758)

Synonym: *Argulus argulus* Leach, 1814, *Argulus armiger* Müller O.F., 1785, *Argulus charon* Müller O.F., 1785, *Argulus delphinus* Müller O.F., 1785, *Argulus rothschildi* Leigh-Sharpe, 1933, *Argulus viridis* Nettovich, 1900, *Monoculus foliaceus* Linnaeus, 1758, *Monoculus gyrini* Cuvier, 1798, *Ozulus gasterostei* Latreille, 1802

Microhabitat: Gills

Host: *Alburnus* sp.⁽²⁵⁶⁾, *Silurus glanis*⁽²⁵⁶⁾⁽²⁹¹⁾, *Tinca tinca*⁽²⁵⁶⁾⁽³⁶¹⁾⁽⁵³³⁾, *Cyprinus carpio*⁽²⁶⁰⁾⁽²⁶²⁾⁽²⁶⁴⁾⁽²⁶⁷⁾⁽²⁸⁴⁾⁽³¹²⁾⁽³¹⁴⁾⁽³⁴⁴⁾⁽³⁵⁰⁾⁽³⁵¹⁾⁽³⁵⁷⁾⁽³⁶⁵⁾⁽³⁶⁸⁾⁽³⁷⁴⁾⁽³⁸³⁾⁽⁵⁰⁶⁾⁽⁵¹⁶⁾⁽⁵²⁹⁾⁽⁵³²⁾⁽⁵³³⁾, *Blicca bjoerkna*⁽²⁶⁵⁾, *Carasobarbus luteus*⁽²⁸⁴⁾, *Vimba vimba*⁽³²²⁾, *Carassius carassius*⁽³⁰⁶⁾⁽³¹⁰⁾⁽³⁶⁸⁾⁽⁵³¹⁾⁽⁵³³⁾, *Abramis brama*⁽³⁴⁰⁾, *Squalius* sp.⁽³⁷⁴⁾, *Squalius cephalus*⁽³⁸⁰⁾⁽⁵³⁵⁾, *Alburnus chalcoides*⁽³⁹⁷⁾, *Scardinius erythrophthalmus*⁽³³⁸⁾⁽³³⁹⁾, *Esox lucius*⁽³⁹⁴⁾⁽⁵³⁴⁾, *Capoeta trutta*⁽⁵¹⁷⁾, *Planiliza abu*⁽⁵³⁰⁾, *Mastacembelus mastacembelus*⁽⁵³⁰⁾, *Silurus*

triostegus⁽⁵³⁰⁾, *Carassius gibelio*⁽⁵³²⁾, *Alburnus alburnus*⁽⁵³¹⁾⁽⁵³³⁾, *Carassius auratus*⁽⁵³¹⁾⁽⁵³²⁾⁽⁵³³⁾, *Barbus plebejus*⁽⁵³³⁾,

Location: Black Sea Region, Sinop Bektaşağa Pond⁽²⁶⁴⁾, Kızılırmak Delta Bafra Fish Lakes⁽²⁶⁷⁾; Mediterranean Region, Seyhan River⁽²⁶⁰⁾, Adana DSI⁽²⁶²⁾, Kovada Lake⁽³⁰⁶⁾⁽³¹⁰⁾, Karacaören II Dam Lake⁽³¹⁴⁾⁽³¹²⁾, Karacaören I Dam Lake⁽³⁶⁵⁾⁽³⁶⁸⁾; Central Anatolia Region, Ankara⁽²⁵⁶⁾, Çavuşçu Lake⁽⁵²⁹⁾⁽⁵¹⁶⁾, Kütahya territory⁽⁵³³⁾; Marmara Region, Sakarya Büyükakgöl⁽²⁶⁵⁾, Sapanca Lake⁽³²²⁾⁽³³⁸⁾, Kocadere Lake⁽³⁸³⁾, Uluabat Lake⁽³⁸³⁾, Ekinli Lagoon⁽³⁸³⁾, İzniç Lake⁽³⁴⁴⁾⁽⁵⁰⁶⁾, Uluabat Lake⁽³⁶¹⁾⁽³⁹⁴⁾, Durusu (Terkos) Lake⁽³³⁹⁾⁽³⁴⁰⁾⁽²⁹¹⁾, Tödürge Lake⁽³⁹⁷⁾, Manyas Lake⁽³⁵⁷⁾; Aegean Region, Eber Lake⁽³⁵⁰⁾⁽⁵³⁴⁾, Selevir Dam Lake⁽³⁵¹⁾, Nif Stream⁽³⁷⁴⁾, Kocaçay Stream⁽³⁷⁴⁾, Enne Barj Lake⁽⁵³¹⁾, Emre Dam Lake⁽⁵³²⁾, Serban Dam Lake⁽³⁷⁹⁾⁽³⁸⁰⁾⁽⁵³⁵⁾; Eastern Anatolia Region, Atatürk Dam Lake⁽²⁸⁴⁾⁽⁵³⁰⁾, Keban Dam Lake⁽⁵¹⁷⁾

Record: Burgu *et al.* (1988)⁽²⁵⁶⁾, Cengizler *et al.* (2001)⁽²⁶⁰⁾, Güleç and Şahan (2010)⁽²⁶²⁾, Özer and Erdem (1998)⁽²⁶⁴⁾, Altan and Soylu (2018)⁽²⁶⁵⁾, Öztürk *et al.* (2012)⁽²⁶⁷⁾, Öktener and Alaş (2009)⁽²⁸⁴⁾, Soylu (2005)⁽²⁹¹⁾, Tekin Özcan and Kır (2005)⁽³⁰⁶⁾, Kır (2007)⁽³¹⁰⁾, Samancı (2011)⁽³¹²⁾, Kır *et al.* (2013)⁽³¹⁴⁾, Uzunay and Soylu (2006)⁽³²²⁾, Kuş and Soylu (2006)⁽³³⁸⁾, Kahveci (2004)⁽³³⁹⁾, Karatoy and Soylu (2006)⁽³⁴⁰⁾, Aydoğdu (1996)⁽³⁴⁴⁾, Öztürk (2002)⁽³⁶¹⁾, Kır *et al.* (2004)⁽³⁶⁵⁾, Öztürk (2005)⁽³⁵⁰⁾, Öztürk and Bulut (2006)⁽³⁵¹⁾, Kır (1998)⁽³⁶⁸⁾, Geldiay and Balık (1974)⁽³⁷⁴⁾, Açıkel (2011)⁽³⁷⁹⁾, Açıkel and Öztürk (2011)⁽³⁸⁰⁾, Oğuz (1991)⁽³⁸³⁾, Öztürk *et al.* (2000)⁽³⁹⁴⁾, Yıldırım and Ünver (2012)⁽³⁹⁷⁾, Aydoğdu *et al.* (1997)⁽⁵⁰⁶⁾, Öktener *et al.* (2007)⁽⁵¹⁶⁾, Sarıeyyüpoğlu and Sağlam (1991)⁽⁵¹⁷⁾, Öztürk and Altunel (2006)⁽³⁵⁷⁾, Alaş *et al.* (2010)⁽⁵²⁹⁾, Öktener *et al.*

(2006)⁽⁵³⁰⁾, Koyun (2011)⁽⁵³¹⁾, Öztürk (2012)⁽⁵³²⁾, Koyun and Altunel (2003)⁽⁵³³⁾, Öztürk (2012)⁽⁵³⁴⁾, Açıklık and Öztürk (2013)⁽⁵³⁵⁾

***Argulus* sp.**

Synonym: *Agenor* Risso, 1827
Diprosia Rafinesque, 1814,
Huargulus Yü, 1938,
Ozulus Latreille, 1802

Microhabitat: Skin

Host: *Silurus glanis*⁽²⁸³⁾

Location: Eastern Anatolia Region,
Munzur River⁽²⁸³⁾

Record: Ekingen (1976)⁽²⁸³⁾

PHYLUM ANNELIDA

CLASS CLITELLATA

SUBCLASS HIRUDINEA

ORDER ARHYNCHOBDELLIDA

FAMILY HIRUDINIDAE

***Hirudo medicinalis* Linnaeus, 1758**

Synonym: *Hirudo officinalis*
Savigny, 1820

Microhabitat: Skin

Host: *Cyprinus carpio*⁽⁴⁹⁹⁾, *Esox lucius*⁽⁴⁹⁹⁾

Location: Central Anatolia Region,
Çapalı Lake⁽⁴⁹⁹⁾

Record: Ceylan (2002)⁽⁴⁹⁹⁾

ORDER RHYNCHOBDELLIDA

FAMILY GLOSSIPHONIIDAE

***Actinobdella* sp.**

Synonym: -

Microhabitat: Gills

Host: *Luciobarbus mystaceus*⁽²⁸⁰⁾

Location: Eastern Anatolia Region,
Keban Dam Lake⁽²⁸⁰⁾

Record: Sağlam (1992)⁽²⁸⁰⁾

***Helobdella stagnalis*
(Linnaeus, 1758)**

Synonym: *Hirudo stagnalis*

Linnaeus, 1758

Microhabitat: Skin

Host: *Esox lucius*⁽⁴⁹⁹⁾

Location: Central Anatolia Region,
Çapalı Lake⁽⁴⁹⁹⁾

Record: Ceylan (2002)⁽⁴⁹⁹⁾

***Hemiclepsis marginata* (O. F.
Müller, 1773)**

Synonym: *Hirudo marginata* O. F.
Müller, 1773

Microhabitat: Skin

Host: *Cyprinus carpio*⁽³⁷⁴⁾⁽⁴⁹⁹⁾⁽⁵³⁶⁾,
Esox lucius⁽⁴⁹⁹⁾

Location: Aegean Region, Bafa
Lake⁽³⁷⁴⁾⁽⁴⁹⁹⁾; Marmara Region,
Lake⁽³⁷⁴⁾, Central Anatolia Region,
Çapalı Lake⁽⁴⁹⁹⁾; Mediterranean
Region, Kovada Kanalı⁽⁵³⁶⁾

Record: Geldiay and Balık
(1974)⁽³⁷⁴⁾, Ceylan (2002)⁽⁴⁹⁹⁾, Ceylan
et al. (2014)⁽⁵³⁶⁾

FAMILY PISCICOLIDAE

***Myzobdella patzcuarensis*
(Caballero, 1940)**

Synonym: *Illinobdella patzcuarensis*
Caballero, 1940

Microhabitat: Gills

Host: *Luciobarbus esocinus*⁽²⁸⁰⁾

Location: Eastern Anatolia Region,
Keban Dam Lake⁽²⁸⁰⁾

Record: Sağlam (1992)⁽²⁸⁰⁾

***Piscicola geometra* (Linnaeus, 1761)**

Synonym: *Hirudo geometra*
Linnaeus, 1758

Microhabitat: Gills

Host: *Blicca bjoerkna*⁽²⁶⁵⁾⁽²⁸⁸⁾,
Luciobarbus mystaceus⁽²⁸⁰⁾⁽²⁸⁸⁾, *Esox
lucius*⁽²⁸⁸⁾, *Rutilus rutilus*⁽²⁸⁸⁾⁽³²⁹⁾⁽⁵³⁸⁾,
Scardinius

erythrophthalmus⁽²⁸⁸⁾⁽³³⁶⁾⁽³³⁷⁾⁽³³⁸⁾⁽³³⁹⁾
⁽⁵⁴⁰⁾, *Tinca tinca*⁽²⁸⁸⁾⁽³³⁶⁾⁽³⁶¹⁾⁽⁴³⁵⁾⁽⁵⁴⁰⁾,

Abramis brama⁽³⁴⁰⁾⁽³⁴²⁾⁽⁵⁴⁰⁾, *Cyprinus
carpio*⁽³⁵⁵⁾⁽⁵¹⁶⁾⁽⁵⁴⁰⁾, *Capoeta umbla*⁽⁵²⁸⁾,

Carassius gibelio⁽⁵³⁷⁾, *Alburnus mossulensis*⁽⁵³⁹⁾⁽³⁰⁴⁾, *Capoeta capoeta*⁽⁵³⁹⁾, *Cyprinion macrostomum*⁽⁵³⁹⁾

Location: Marmara Region, Sakarya Büyükakgöl⁽²⁶⁵⁾, Sapanca Lake⁽²⁸⁸⁾⁽³²⁹⁾⁽³³⁸⁾, Uluabat Lake⁽³⁶¹⁾⁽⁵³⁷⁾⁽⁵³⁸⁾, Durusu (Terkos) Lake⁽³³⁶⁾⁽³³⁷⁾⁽³³⁹⁾⁽³⁴⁰⁾⁽³⁴²⁾⁽³⁵⁵⁾⁽⁴³⁵⁾⁽⁵⁴⁰⁾, Doğu Central Anatolia Region, Çavuşçu Lake⁽⁵¹⁶⁾, Anadolu, Keban Dam Lake⁽²⁸⁰⁾, Erzurum Dumlu Stream⁽⁵³⁹⁾, Bingöl Göynük Stream⁽⁵³⁹⁾, Murat River⁽³⁰⁴⁾⁽⁵²⁸⁾

Record: Altan and Soylu (2018)⁽²⁶⁵⁾, Sağlam (1992)⁽²⁸⁰⁾, Soylu (1990)⁽²⁸⁸⁾, Tunç and Koyun (2018)⁽³⁰⁴⁾, Karabiber (2006)⁽³²⁹⁾, Demirtaş (2011)⁽³³⁶⁾, Demirtaş and Altındağ (2011)⁽³³⁷⁾, Kuş and Soylu (2006)⁽³³⁸⁾, Kahveci (2004)⁽³³⁹⁾, Karatoy and Soylu (2006)⁽³⁴⁰⁾, Demirtaş and Altındağ (2011)⁽³⁴²⁾, Demirtaş and Şenel (2012)⁽³⁵⁵⁾, Öztürk (2002)⁽³⁶¹⁾, Demirtaş (2011)⁽⁴³⁵⁾, Öktener *et al.* (2007)⁽⁵¹⁶⁾, Koyun (2011)⁽⁵²⁸⁾, Arslan and Emiroğlu (2011)⁽⁵³⁷⁾, Ceylan *et al.* (2011)⁽⁵³⁸⁾, Koyun *et al.* (2015)⁽⁵³⁹⁾, Demirtaş and Şenel (2012)⁽⁵⁴⁰⁾

***Piscicola respirans* Troschel, 1850**

Synonym: *Cystobranchus respirans* (Troschel, 1850)

Microhabitat: Skin

Host: *Salmo trutta*⁽³⁷⁴⁾

Location: Marmara Region, Kazdağı Stream⁽³⁷⁴⁾

Record: Geldiay and Balık (1974)⁽³⁷⁴⁾

***Piscicola* sp.**

Synonym: -

Microhabitat: Fins

Host: *Luciobarbus pectoralis*⁽⁴⁵³⁾

Location: Eastern Anatolia Region, Keban Dam Lake⁽⁴⁵³⁾

Record: Özdemir and Sarıeyüpoğlu (1993)⁽⁴⁵³⁾

***Baicalobdella torquata* Grube, 1871**

Synonym: *Piscicola torquata* Grube, 1871, *Trachelobdella torquata* (Grube, 1871)

Microhabitat: Skin

Host: *Carassius carassius*⁽³⁰⁶⁾⁽³¹⁰⁾

Location: Mediterranean Region, Kovada Lake⁽³⁰⁶⁾⁽³¹⁰⁾

Record: Tekin Özcan and Kır (2005)⁽³⁰⁶⁾, Kır (2007)⁽³¹⁰⁾

PHYLUM MOLLUSCA

CLASS BIVALVIA

ORDER UNIONIDA

FAMILY UNIONIDAE

***Anodonta cygnea* (Linnaeus, 1758)**

Synonym: *Anodonta cellensis* Pfeiffer, 1821, *Anodonta graeca* Drouët, 1892, *Mytilus cygneus* Linnaeus, 1758, *Mytilus stagnalis* Gmelin, 1791

Microhabitat: Gills

Host: *Blicca bjorkna*⁽²⁸⁸⁾, *Rutilus rutilus*⁽²⁸⁸⁾, *Scardinius erythrophthalmus*⁽²⁸⁸⁾, *Tinca tinca*⁽²⁸⁸⁾

Location: Marmara Region, Sapanca Lake⁽²⁸⁸⁾

Record: Soylu (1990)⁽²⁸⁸⁾

***Glochidia* larvae**

Synonym: -

Microhabitat: Gills

Host: *Anguilla anguilla*⁽³⁹⁾, *Leuciscus aspius*⁽³⁹⁾, *Carassius gibelio*⁽³⁹⁾, *Perca fluviatilis*⁽³⁹⁾⁽²⁸¹⁾⁽³⁹²⁾, *Lepomis gibbosus*⁽³⁹⁾⁽²⁸¹⁾, *Scardinius erythrophthalmus*⁽³⁹⁾⁽²⁷⁶⁾⁽²⁸¹⁾⁽³³⁸⁾⁽³³⁹⁾, *Rutilus rutilus*⁽³⁹⁾⁽²⁷⁸⁾⁽²⁸¹⁾⁽³²⁹⁾, *Abramis brama*⁽³⁹⁾⁽²⁷⁶⁾⁽³⁴⁰⁾, *Blicca bjoerkna*⁽²⁶⁵⁾⁽²⁷⁶⁾, *Silurus glanis*⁽²⁷⁶⁾⁽²⁸¹⁾, *Esox lucius*⁽²⁷⁶⁾, *Squalius cephalus*⁽²⁷⁶⁾, *Barbus barbus*⁽²⁷⁶⁾, *Sander lucioperca*⁽²⁸¹⁾, *Cyprinus carpio*⁽²⁸¹⁾⁽³²²⁾, *Esox lucius*⁽²⁸¹⁾, *Mastacembelus mastacembelus*⁽²⁸⁵⁾, *Vimba vimba*⁽³²²⁾, *Tinca tinca*⁽³⁶²⁾⁽³⁶³⁾⁽³⁶⁴⁾

Location: Marmara Region, Sakarya Büyükakgöl⁽²⁶⁵⁾, Sakarya River⁽²⁷⁶⁾, Sapanca Lake⁽³²²⁾⁽³²⁹⁾⁽³³⁸⁾⁽³⁶³⁾, Sığırcı Lake⁽²⁸¹⁾⁽³⁹²⁾, Durusu (Terkos) Lake⁽³³⁹⁾⁽³⁴⁰⁾⁽³⁶²⁾, Eastern Anatolia Region, Dicle River⁽²⁸⁵⁾, Fırat River⁽²⁸⁵⁾, Murat River⁽²⁸⁵⁾
Record: Altan and Soylu (2018)⁽²⁶⁵⁾, Akmirza and Yardımcı (2014)⁽²⁷⁶⁾, Çolak (2013)⁽²⁸¹⁾, Koyun and Çelik (2020)⁽²⁸⁵⁾, Uzunay and Soylu (2006)⁽³²²⁾, Karabiber (2006)⁽³²⁹⁾, Kuş and Soylu (2006)⁽³³⁸⁾, Kahveci (2004)⁽³³⁹⁾, Karatoy and Soylu (2006)⁽³⁴⁰⁾, Soylu (2003)⁽³⁶²⁾, Akbeniz (2006)⁽³⁶³⁾, Soylu (2013)⁽³⁹²⁾

PHYLUM CNIDARIA

CLASS MYXOZOA

SUBCLASS MYXOSPOREA ORDER BIVALVULIDA FAMILY SPHAEROSPORIDAE

Sphaerospora sp.

Synonym: -

Microhabitat: Kidney

Host: *Cyprinus carpio*⁽²⁵⁶⁾, *Tinca tinca*⁽²⁵⁶⁾

Location: Central Anatolia Region, Ankara⁽²⁵⁶⁾

Record: Burgu *et al.* (1988)⁽²⁵⁶⁾

FAMILY MYXOBOLIDAE

Myxobolus cyprinicola Reuss, 1906

Synonym: -

Microhabitat: Gills, skin

Host: *Capoeta trutta*⁽²⁸⁰⁾, *Capoeta umbla*⁽²⁸⁰⁾⁽²⁹⁶⁾

Location: Eastern Anatolia Region, Keban Dam Lake⁽²⁸⁰⁾, Hazar Lake⁽²⁹⁶⁾

Record: Sağlam (1992)⁽²⁸⁰⁾, Aksoy *et al.* (2006)⁽²⁹⁶⁾

Myxobolus sp.

Synonym: *Lentospora* Plehn, 1904, *Mixosoma* Thélohan, 1892, *Myxosoma* Thélohan, 1892, *Myxosporidium* Perugia, 1891

Microhabitat: Gills

Host: *Squalius carinus*⁽²⁵⁷⁾, *Blicca bjoerkna*⁽²⁶⁵⁾, *Scardinius erythrophthalmus*⁽²⁷⁷⁾, *Cyprinus carpio*⁽³⁴⁴⁾, *Tinca tinca*⁽³⁸⁴⁾

Location: Aegean Region, Denizli Işıklı Dam Lake⁽²⁵⁷⁾, Marmara Region, Sakarya Büyükakgöl⁽²⁶⁵⁾, Ömerli Dam Lake⁽²⁷⁷⁾, İznik Lake⁽³⁴⁴⁾⁽³⁸⁴⁾

Record: Soylu *et al.* (2017)⁽²⁵⁷⁾, Altan and Soylu (2018)⁽²⁶⁵⁾, Şimşek (2013)⁽²⁷⁷⁾, Aydoğdu (1996)⁽³⁴⁴⁾, Aydoğdu *et al.* (1996)⁽³⁸⁴⁾

PHYLUM CHOANOTRICHIA

CLASS ICHTHYOSPOREA

SUBCLASS ICHTHYOSPOREA INCERTA SEDIS

***Sphaerothecum destruens* Arkush, Mendoza, Adkison & Hedrick, 2003**

Synonym: -

Microhabitat: Kidney, spleen, liver

Host: *Pseudorasbora parva*⁽⁵⁴¹⁾

Location: Aegean Region, Muğla Sarıçay Stream⁽⁵⁴¹⁾

Record: Ercan *et al.* (2013)⁽⁵⁴¹⁾

WILD FRESHWATER FISH HOST – PARASITE LIST

PHYLUM CHORDATA

CLASS ACTINOPTERYGII

FAMILY ANGUILLIDAE

Anguilla anguilla (Linnaeus, 1758) (European eel)

Synonym: *Angill angill* (Linnaeus, 1758) (misspelling), *Anguilla acutirostris* Risso, 1827, *A. aegyptiaca* Kaup, 1856, *A. altirostris* Kaup, 1856, *A. ancidda* Kaup, 1856, *A. anguilla oxycephala* De la Pylaie, 1835, *A. anguilla* var. *macrocephala* De la Pylaie, 1835, *Anguilla anguilla* var. *mucrocephala* De la Pylaie, 1835 (misspelling), *Anguilla anguilla* var. *ornithorhyncha* De la Pylaie, 1835 (misspelling), *Anguilla anguillai* (Linnaeus, 1758) (misspelling), *Anguilla anguillia* (Linnaeus, 1758) (misspelling), *A. bibroni* Kaup, 1856, *A. brevirostris* Cisternas, 1877, *A. callensis* Guichenot, 1850, *A. canariensis* Valenciennes, 1843, *A. capitone* Kaup, 1856, *A. cloacina* Bonaparte, 1846, *A. cuvieri* Kaup, 1856, *A. eurystoma* Heckel & Kner, 1858, *A. fluviatilis* Heckel & Kner, 1858, *A. fluviatilis* Ansljñ, 1828, *A. fluviatilis* Gistel, 1848, *A. hibernica* Couch, 1865, *A. kieneri* Kaup, 1856, *A. latirostris* Risso, 1827, *A. linnei* Malm, 1877, *A. marginata* Kaup, 1856, *A. marina* (Nardo, 1847), *A. mediorostris* Risso, 1827, *A. melanoichir* Kaup, 1856, *A. microptera* Kaup, 1856, *A. migratoria* Krøyer, 1846, *A. morena* Kaup, 1856, *A. nilotica* Heckel, 1846, *A. nilotica* Kaup, 1857, *A. oblongirostris* Blanchard, 1866, *A. platycephala* Kaup, 1856, *A. platyrhynchus* Costa, 1850, *A. savignyi* Kaup, 1856, *A. septembrina* Bonaparte, 1846, *A. vulgaris* Shaw, 1803, *A. vulgaris* Rafinesque, 1810, *A. vulgaris fluviatilis* Rafinesque, 1810, *A. vulgaris lacustus* Rafinesque, 1810, *A. vulgaris macrocephala* De la Pylaie, 1835, *A. vulgaris marina* Rafinesque,

1810, *A. vulgaris ornithorhincha* De la Pylaie, 1835, *A. vulgaris platyura* De la Pylaie, 1835, *Leptocephalus brevirostris* Kaup, 1856, *Muraena anguilla* Linnaeus, 1758, *M. anguilla maculata* Chiereghini, 1872, *M. anguilla marina* Nardo, 1847, *M. oxyrhina* Ekström, 1831, *M. platyrhina* Ekström, 1831

MONOGENEA

Pseudodactylogyrus anguillae Yin and Sproston, 1948⁽³⁹⁾⁽²⁸¹⁾
Pseudodactylogyrus bini (Kikuchi, 1929)⁽³⁹⁾⁽²⁸¹⁾

TREMATODA

Diplostomum sp.⁽³⁹⁾

NEMATODA

Anguillicola crassus Kuwahara, Niimi & Itagaki, 1974⁽³⁹⁾⁽²⁸¹⁾
(494)(495)(496)

CESTODA

Bothriocephalus claviceps (Goeze, 1782)⁽³⁹⁾

ACANTHOCEPHALA

Acanthocephalus anguillae (Müller, 1780) Lühe, 1911⁽³⁹⁾⁽²⁸¹⁾
Acanthocephalus lucii (Mueller, 1776) Lühe 1911⁽³⁹⁾⁽²⁸¹⁾

MOLLUSCA

Glochidia larvae⁽³⁹⁾

FAMILY ATHERINIDAE

Atherina boyeri Risso, 1810 (Big-scale sand smelt)

Synonym: *Atherina anterina* Nardo, 1847, *A. boïeri* Risso, 1810, *A. bonapartii* Boulenger, 1907, *A. boyeri caspia* Eichwald, 1831, *A. caspia* Eichwald, 1831, *A. hyalosoma* Cocco, 1885, *A. lacustris* Bonaparte, 1836, *A. lagunae* Trabelsi, Faure, Quignard, Boussaid, Focant & Maamouri, 2002, *A. mochon* Cuvier, 1829, *A. mochon aegyptia* Boulenger, 1907, *A. mochon pontica* Eichwald, 1831, *A. mochon riqueti* Roule, 1902, *A. pontica* Eichwald, 1831, *A. presbyter caspia* Eichwald, 1831, *A. presbyter pontica* Eichwald, 1831, *A. riqueti* Roule,

1902, *A. risso* Valenciennes, 1835, *A. rissoi* Günther, 1861, *A. sarda* Valenciennes, 1835, *A. sardinella* Fowler, 1903, *Hepsetia boyeri* (Risso, 1810), *H. mochon* (Cuvier, 1829)

TREMATODA

Diplostomum sp.⁽⁴¹²⁾
Tylodelphys clavata (von Nordmann, 1832) Diesing, 1850⁽⁴¹²⁾

NEMATODA

Eustrongylides excisus
 Jägerskiöld, 1909⁽⁴¹²⁾⁽⁴³⁷⁾

CESTODA

Bothriocephalus acheilognathi
 Yamaguti, 1934⁽⁴¹²⁾⁽⁴³⁷⁾

FAMILY CENTRARCHIDAE

Lepomis gibbosus (Linnaeus, 1758) (Pumpkinseed)

Synonym: *Eupomotis gibbosus* (Linnaeus, 1758), *Perca gibbosa* Linnaeus, 1758, *Pomotis vulgaris* Cuvier, 1829

MONOGENEA

Onchocleidus similis Mueller, 1936⁽³⁹⁾⁽²⁸¹⁾
Gyrodactylus sp.⁽²⁸¹⁾

TREMATODA

Clinostomum complanatum (Rudolphi, 1814) Braun, 1899⁽²⁸¹⁾
Tylodelphys clavata (von Nordmann, 1832) Diesing, 1850⁽³⁹⁾⁽²⁸¹⁾
Diplostomum sp.⁽³⁹⁾⁽²⁸¹⁾
Tetracotyle sp.⁽²⁸¹⁾

NEMATODA

Acanthocephalus sp.⁽³⁹⁾
Eustrongylides excisus
 Jägerskiöld, 1909⁽³⁹⁾

CRUSTACEA

Lernaea cyprinacea Linnaeus, 1758⁽³⁹⁾

MOLUUSCA

Glochidia larvae⁽³⁹⁾

FAMILY CICHLIDAE

Coptodon zillii (Gervais, 1848) (Redbelly tilapia)

Synonym: *Tilapia zilli* (Gervais, 1848), *Tilapia zillei* (Gervais, 1848), *Tilapia zillii* (Gervais, 1848), *Tilapia faidherbi* (Rochebrune, 1880), *Tilapia melanopleura* (Dumeril, 1861), *Tilapia menzalensis* (Mitchell, 1895), *Tilapia multiradiata* (Holly, 1928), *Tilapia shariensis* (Fowler, 1949), *Tilapia sparrmani* multiradiata (Holly, 1928), *Tilapia tristrami* (Gunther, 1860), *Acerina zillii* Gervais, 1848, *Acerina zilli*, (Gervais, 1848), *Chromis andreae* (Gunther, 1864), *Chromis coeruleomaculatus* (Rochebrune, 1880), *Chromis faidherbii* (Rochebrune, 1880), *Chromis melanopleura* (Dumeril, 1861), *Chromis menzalensis* (Mitchell, 1895), *Chromis tristrami* (Gunther, 1860), *Chromis zillii*, (Gervais, 1848), *Coptodon zillii* (Gervais, 1848), *Coptodus zillii* (Gervais, 1848), *Glyphisidon zillii* (Gervais, 1848), *Haligenes tristrami* (Gunther, 1860), *Sarotherodon zillei* (Gervais, 1848), *Sarotherodon zillii* (Gervais, 1848), *Chromis niloticus* (non Linnaeus, 1758) (misspelling), *Tilapia sparrmanii* (non Smith, 1840) (misspelling), *Chromis mossambicus* (non Peters, 1852) (misspelling), *Tilapia christyi* (non Boulenger, 1915) (misspelling)

MONOGENEA

Diplozoon paradoxum von
Nordmann, 1832⁽²⁰²⁾⁽³⁹⁶⁾
Tetraonchus sp.⁽²⁰²⁾⁽³⁹⁶⁾

FAMILY CLARIIDAE

***Clarias gariepinus* (Burchell, 1822) (North African catfish)**

Synonym: *Clarias capensis*
Valenciennes, 1840, *C. depressus*
Myers, 1925, *C. guentheri* Pfeffer,
1896, *C. lazera* Valenciennes, 1840,
C. longiceps Boulenger, 1899, *C.*
macracanthus Günther, 1864, *C.*
malaris Nichols & Griscom, 1917, *C.*
microphthalmus Pfeffer, 1896, *C.*
moorii Boulenger, 1901, *C.*
mossambicus Peters, 1852, *C.*
muelleri Pietschmann, 1939, *C.*
notozygurus Lönnberg & Rendahl,
1922, *C. orontis* Günther, 1864, *C.*
robecchii Vinciguerra, 1893, *C.*
smithii Günther, 1896, *C. syriacus*
Valenciennes, 1840, *C. tsanensis*
Boulenger, 1902, *C. vinciguerrae*
Boulenger, 1902, *C. xenodon*
Günther, 1864, *Macropteronotus*
charmuth Lacepède, 1803

EUGLENOZOA

Trypanosoma sp.⁽²⁷⁹⁾

MONOGENEA

Quadriacanthus clariadis
Paperna, 1961⁽²⁸⁷⁾

TREMATODA

Orientocreadium batrachoides
Tubangui, 1931⁽⁴³⁶⁾
Orientocreadium sp.⁽²⁸⁷⁾

CESTODA

Tetracampos magnum Zmeev,
1936⁽²⁸⁷⁾

FAMILY COBITIDAE

***Cobitis bilseli* Battalgil, 1942 (Beysehir spined loach)**

Synonym: -

CESTODA

Paracaryophyllaeus vladkae
Scholz, Oros and Aydoğdu,
2014⁽⁴⁵²⁾

ACANTHOCEPHALA

Pomphorhynchus tereticollis
(Rudolphi, 1809) Meyer,
1932⁽⁵⁰⁵⁾

***Cobitis simplicispina* Hankó, 1925 (Sakarya spined loach)**

Synonym: -

MONOGENEA

Gyrodactylus cobitis
Bychowsky, 1933⁽³⁵³⁾

***Cobitis taenia* Linnaeus, 1758 (Spined loach)**

Synonym: *Acantopsis taenia*
(Linnaeus, 1758), *Cobitis spilura*
Holandre, 1837, *Cobitis taenia*
tanaitica Băcescu & Mayer, 1969,
Cobitis taenioides Băcescu & Mayer,
1969

CILIOPHORA

Trichodina cobitis Lom, 1960⁽¹⁸⁾
Trichodina sp.⁽¹⁸⁾

***Cobitis turcica* Hankó, 1925 (Turkish spined loach)**

Synonym: -

TREMATODA

Posthodiplostomum cuticola
(von Nordmann, 1832) Dubois,
1936⁽⁴²⁰⁾

FAMILY CYPRINODONTIDAE

***Aphanius anatoliae* (Leidenfrost, 1912) (Anatolian giant killifish)**

Synonym: *Aphanius chantrei*
fontinalis Akşiray, 1948, *Aphanius*

iconii Akşiray, 1948, *Aphanius chantrei litoralis* Akşiray, 1948, *Aphanius chantrei maeandricus* Akşiray, 1948, *Aphanius chantrei meridionalis* Akşiray, 1948, *Aphanius chantrei venustus* Kosswig & Sözer, 1945, *Cyprinodon anatoliae* Leidenfrost, 1912, *Cyprinodon lykaoniensis* Leidenfrost, 1912

ACANTHOCEPHALA

Acanthocephalus sp.⁽⁵⁰⁴⁾

***Aphanius danfordii* (Boulenger, 1890)**
(Danford's killifish)

Synonym: *Cyprinodon danfordii* Boulenger, 1890, *Lebias danfordii* (Boulenger, 1890)

CILIOPHORA

Apiosoma sp.⁽³⁾⁽⁴⁾
Scyphida sp.⁽³⁾⁽⁴⁾
Trichodina domerquei Wallengren, 1897⁽¹⁸⁾⁽²⁶⁸⁾⁽²⁶⁹⁾
Trichodina heterodontata Duncan, 1977⁽⁷⁾⁽¹⁸⁾
Trichodina modesta Lom, 1970⁽¹⁸⁾⁽²⁶⁸⁾⁽²⁶⁹⁾⁽²⁷²⁾
Trichodina sp.⁽³⁾⁽⁴⁾⁽¹⁸⁾
Tripartiella macrosoma Basson and Van As, 1987⁽¹⁸⁾⁽²⁶⁸⁾⁽²⁶⁹⁾

MONOGENEA

Salsuginus sp.⁽³⁾⁽⁽⁴⁾⁽³⁷⁾⁽²⁶⁹⁾⁽²⁸⁶⁾
Gyrodactylus sp.⁽³⁾⁽⁴⁾⁽³⁷⁾⁽²⁶⁹⁾
Ergasilus sp.⁽³⁾⁽⁴⁾

TREMATODA

Ascocotyle sp.⁽²⁶⁹⁾
Clinostomum complanatum (Rudolphi, 1814) Braun, 1899⁽⁴²¹⁾
Posthodiplostomum sp.⁽⁹³⁾⁽²⁶⁹⁾
Tylodelphys clavata (von Nordmann, 1832) Diesing, 1850⁽⁴¹⁸⁾

CESTODA

Bothriocephalus acheilognathi Yamaguti, 1934⁽⁴³⁷⁾

NEMATODA

Capillaria sp.⁽²⁶⁹⁾

Eustrongylides excisus Jägerskiöld, 1909⁽²⁸⁶⁾
Hysterothylacium aduncum (Rudolphi, 1802)⁽²⁶⁹⁾
Spiroxys contortus (Rudolphi, 1819)⁽²⁶⁹⁾

COPEPODA

Ergasilus sieboldi Nordmann, 1832⁽²⁶⁹⁾

Ergasilus sp.⁽³⁾⁽⁴⁾

ACANTHOCEPHALA

Neoechinorhynchus (*Neoechinorhynchus*) *rutili* (Müller, 1780) Hamann in Stiles & Hassall, 1905⁽²⁶⁹⁾

***Aphanius mento* (Heckel, 1843)**
(Pearl-spotted killifish)

Synonym: *Lebias cypris* Heckel, 1843, *Lebias mento* Heckel, 1843

NEMATODA

Eustrongylides excisus Jägerskiöld, 1909⁽⁴⁹⁰⁾

ACANTHOCEPHALA

Triaspiron aphanii Smales, Aydoğdu & Emre, 2012⁽⁵⁰⁵⁾

***Aphanius splendens* (Kosswig & Sözer, 1945)**
(Splendid killifish)

Synonym: *Aphanius saldae* (Akşiray, 1955), *Anatolichthys splendens* Kosswig & Sözer, 1945, *Aphanius anatoliae splendens* (Kosswig & Sözer, 1945), *Lebias splendens* (Kosswig & Sözer, 1945), *Anatolichthys splendens saldae* Akşiray, 1955

MONOGENEA

Salsuginus sp.⁽²⁸⁶⁾

NEMATODA

Eustrongylides excisus Jägerskiöld, 1909⁽²⁸⁶⁾

***Aphanius sureyanus* (Neu, 1937)**
(Sureyan killifish)

Synonym: *Cyprinodon sureyanus* Neu, 1937, *Aphanius anatoliae sureyanus* (Neu, 1937), *Lebias sureyanus* (Neu, 1937), *Aphanius burduricus* Akşiray, 1948
 MONOGENEA

Salsuginus sp.⁽²⁸⁶⁾

NEMATODA

Eustrongylides excisus
 Jägerskiöld, 1909⁽²⁸⁶⁾

***Aphanius transgrediens* (Ermin, 1946)
 (Acipinar killifish)**

Synonym: *Turkichthys transgrediens* Ermin, 1946, *Aphanius anatoliae transgrediens* (Ermin, 1946), *Lebias transgrediens* (Ermin, 1946)

MONOGENEA

Salsuginus sp.⁽²⁸⁶⁾

NEMATODA

Eustrongylides excisus
 Jägerskiöld, 1909⁽²⁸⁶⁾

***Aphanius villwocki* Hrbek & Wildekamp, 2003
 (Villwock's killifish)**

Synonym: -

ACANTHOCEPHALA

Paralongicollum nurtenae
 Smales, Aydogdu & Emre, 2015⁽⁵⁰⁴⁾

***Aphanius* sp.**

Synonym: -

MONOGENEA

Dactylogyrus vastator Nybelin, 1924⁽³⁷⁴⁾

***Gambusia affinis* (Baird & Girard, 1853)
 (Mosquitofish)**

Synonym: *Fundulus inurus* (Jordan & Gilbert, 1882), *Gambusia affinis affinis* (Baird & Girard, 1853),

Gambusia affinis katruelis (Baird & Girard, 1853) (misspelling), *Gambusia gracilis* Girard, 1859, *Gambusia humilis* Günther, 1866, *Gambusia patruelis* (Baird & Girard, 1853), *Haplochilus melanops* Cope, 1870, *Heterandria affinis* Baird & Girard, 1853, *Heterandria patruelis* Baird & Girard, 1853, *Zygonectes brachypterus* Cope, 1880, *Zygonectes gracilis* (Girard, 1859), *Zygonectes inurus* Jordan & Gilbert, 1882, *Zygonectes patruelis* (Baird & Girard, 1853)

CRUSTACEA

Lernaea cyprinacea cyprinacea
 Linnaeus, 1758⁽⁵²¹⁾

***Gambusia holbrooki* Girard, 1859
 (Eastern mosquitofish)**

Synonym: *Gambusia affinis holbrocki* (Girard, 1859) (misspelling), *Gambusia affinis holbrooki* (Girard, 1859), *Gambusia holbrocki* Girard, 1859 (misspelling), *Gambusia holbrookii* Girard, 1859 (misspelling), *Gambusia patruelis holbrooki* (Girard, 1859), *Heterandria holbrooki* (Girard, 1859), *Schizophallus holbrooki* (Girard, 1859), *Zygonectes atrilatus* Jordan & Brayton, 1878

CILIOPHORA

Trichodina domergeui
 Wallengren, 1897⁽¹⁸⁾

TREMATODA

Tylodelphys clavata (von Nordmann, 1832) Diesing, 1850⁽⁴¹⁸⁾

CESTODA

Bothriocephalus acheilognathi
 Yamaguti, 1934⁽⁴³⁷⁾

NEMATODA

Schulmanella petruschewskii (Schulman, 1948) Ivashkin, 1964⁽⁵⁰²⁾

FAMILY CYPRINIDAE

***Abramis brama* (Linnaeus, 1758)
(Freshwater bream)**

Synonym: *Abramis argyreus* Valenciennes, 1844, *A. brama bergi* Grib & Vernidub, 1935, *A. brama danubii* Pavlov, 1956, *A. brama orientalis* Berg, 1949, *A. brama sinagorensis* Lukash, 1925, *A. gehini* Blanchard, 1866, *A. media* Koch, 1840, *A. melaenus* Agassiz, 1835, *A. microlepidotus* Valenciennes, 1844, *A. vetula* Heckel, 1836, *A. vulgaris* Mauduyt, 1849, *Cyprinus brama* Linnaeus, 1758 (basionim)

CILIOPHORA

Trichodina sp.⁽²⁷⁶⁾

MONOGENEA

Dactylogyrus auriculatus

(Nordmann, 1832)⁽³⁹⁾

Dactylogyrus distinguendus

(Linstow, 1878)⁽³⁹⁾⁽³³⁶⁾⁽³⁴⁰⁾⁽³⁴²⁾

Dactylogyrus sphyrna Linstow, 1878⁽²⁹³⁾⁽³³⁶⁾⁽³⁴⁰⁾⁽³⁴²⁾

Dactylogyrus wunderi

Bychowsky, 1931⁽³⁹⁾

Dactylogyrus zandti Bychowsky, 1933⁽³⁹⁾

Dactylogyrus sp.⁽²⁷⁶⁾

Gyrodactylus elegans von

Nordmann, 1832⁽²⁷⁶⁾

Paradiplozoon homoion

(Bychowsky & Nagibina, 1959)⁽²⁷⁶⁾

Paradiplozoon sp.⁽²⁹³⁾

TREMATODA

Diplostomum spathaceum

(Rudolphi, 1819)⁽³³⁶⁾⁽³⁴⁰⁾⁽³⁴²⁾

Diplostomum sp.⁽³⁹⁾

Tylodelphys clavata (von

Nordmann, 1832) Diesing, 1850⁽³⁹⁾⁽³⁴⁰⁾

Tetracotyle sp.⁽³⁴⁰⁾

NEMATODA

Eustrongylides excisus

Jägerskiöld, 1909⁽³⁴⁰⁾

CESTODA

Caryophyllaeus laticeps (Pallas, 1781) Lühe, 1910⁽²⁷⁶⁾

Ligula intestinalis (Linnaeus, 1758) Gmelin, 1790⁽³³⁶⁾⁽³⁴²⁾

CRUSTACEA

Argulus foliaceus (L., 1758)⁽³⁴⁰⁾

ANNELIDA

Piscicola geometra (Linnaeus, 1761)⁽³³⁶⁾⁽³⁴⁰⁾⁽³⁴²⁾⁽⁵⁴⁰⁾

MOLLUSCA

Glochidia larvae⁽³⁹⁾⁽²⁷⁶⁾⁽³⁴⁰⁾

***Acanthobrama marmid* Heckel, 1843
(Tigris bream)**

Synonym: *Acanthobrama arrhada* Heckel, 1843, *A. cupida* Heckel, 1843, *A. marmid elata* Berg, 1949, *A. marmid marmid* Heckel, 1893, *A. marmid orontis* Berg, 1949

MONOGENEA

Dactylogyrus elegantis Gusev, 1966⁽³²⁶⁾

Diplozoon paradoxum Nordman, 1832⁽²⁰²⁾

Gyrodactylus sp.⁽³²⁶⁾

Paradiplozoon megan

(Bychowsky & Nagibina, 1959)

Achmerov, 1974⁽³²⁶⁾

Tetraonchus sp.⁽²⁰²⁾⁽³⁹⁶⁾

TREMATODA

Diplostomum sp.⁽⁴⁰⁵⁾⁽⁴⁰⁶⁾⁽⁴⁰⁷⁾⁽⁴⁰⁹⁾⁽⁴¹³⁾⁽⁴¹⁴⁾⁽⁴¹⁵⁾

CESTODA

Bothriocephalus acheilognathi Yamaguti, 1934⁽⁴⁴³⁾

Caryophyllaeus laticeps (Pallas, 1781) Lühe, 1910⁽³²⁶⁾⁽⁴²³⁾

Khawia armeniaca

(Cholodkovsky, 1915) Shulman, 1958⁽⁴⁴³⁾

Ligula intestinalis (Linnaeus, 1758) Gmelin, 1790⁽⁴⁰⁷⁾⁽⁴¹³⁾⁽⁴¹⁵⁾⁽⁴⁵⁸⁾⁽⁴⁵⁹⁾⁽⁴⁶⁶⁾⁽⁴⁶⁷⁾

COPEPODA

Ergasilus sieboldi Nordmann, 1832⁽³²⁶⁾

ACANTHOCEPHALA

Neoechinorhynchus

(*Neoechinorhynchus*) *rutili*

(Müller, 1780) Hamann in Stiles & Hassall, 1905⁽⁴¹³⁾⁽⁴¹⁵⁾⁽⁵⁰⁸⁾

***Alburnoides bipunctatus* (Bloch, 1782)**

(Schneider)

Synonym: *Abramis bipunctatus* (Bloch, 1782), *Alburnoides bipunctatus armeniensis* Dadikyan, 1972, *A. bipunctatus eichwaldi* (De Filippi, 1863), *A. bipunctatus fasciatus* (Nordman, 1840), *A. bipunctatus ohridanus* (Karaman, 1928), *A. bipunctatus rossicus* Berg, 1924, *A. bipunctatus rossicus natio kubanicus* Berg, 1932, *A. bipunctatus smyrnaea* Pellegrin, 1927, *A. bipunctatus strymonicus* Chichkoff, 1940, *A. bipunctatus thessalicus* Stephanidis, 1950, *A. bipunctatus tzanevi* Chichkoff, 1933, *Alburnus bipunctatus* (Bloch, 1782), *Alburnus bipunctatus eichwaldi* De Filippi, 1863, *Alburnus bipunctatus ohridanus* Karaman, 1928, *Alburnus bipunctatus prespensis* Karaman, 1924, *Aspius bipunctatus* (Bloch, 1782), *Aspius fasciatus* Nordmann, 1840, *Cyprinus annoni* Walbaum, 1792, *Cyprinus bipunctatus* Bloch, 1782 (basionim), *C. blockii* Nau, 1787, *C. gronovii* Bloch & Schneider, 1801, *C. punctatus* Shaw, 1804, *C. riemling* Hermann, 1804, *C. sanderi* Bloch & Schneider, 1801, *C. spirlin* Lacepède, 1803, *C. tinca nota* Walbaum, 1792, *C. tinca notha* Walbaum, 1792, *Leuciscus baldneri* Valenciennes, 1844, *Leuciscus bipunctatus* (Bloch, 1782), *Spirlinus bipunctatus* (Bloch, 1782)

CESTODA

Ligula intestinalis (Linnaeus, 1758) Gmelin, 1790⁽⁴⁷⁷⁾

Alburnus alburnus (L., 1758) (Bleak)

Synonym: *Abramis alburnus* (Linnaeus, 1758), *Alborella maxima* Fatio, 1882, *Alburnus acutus* Heckel, 1843, *A. alborella lateristriga* Canestrini, 1864, *A. alburnus alburnus* (Linnaeus, 1758), *A. alburnus charusini natio dagestanicus*

Petrov, 1926, *A. alburnus hohenackeri natio kumbaschensis* Petrov, 1926, *A. alburnus hohenackerkumbaschensis* Petrov, 1926, *A. alburnus macedonicus* Karaman, 1928, *A. alburnus thessalicus* Stephanidis, 1950, *A. arquatus* Fatio, 1882, *A. ausonii* Bonaparte, 1845, *A. avola* Bonaparte, 1846, *A. breviceps* Heckel & Kner, 1858, *A. charusini* Herzenstein, 1889, *A. fabraei* Blanchard, 1866, *A. fracchia* Heckel & Kner, 1858, *A. fracchia* Bonaparte, 1845, *A. gracilis* Bonaparte, 1845, *A. linnei* Malm, 1877, *A. lucidus* Bonaparte, 1844, *A. lucidus* Heckel, 1843, *A. lucidus angustior* Walecki, 1863, *A. lucidus colobocephala* Fatio, 1882, *A. lucidus elata* Fatio, 1882, *A. lucidus elongata* Fatio, 1882, *A. lucidus ilmenensis* (Warpachowski, 1886), *A. lucidus lacustris* Heckel & Kner, 1858, *A. lucidus latior* Walecki, 1863, *A. lucidus macropterus* Kamensky, 1901, *A. lucidus oxycephala* Fatio, 1882, *A. mirandella* Blanchard, 1866, *A. obtusus* Heckel, 1843, *A. scoranza* Heckel & Kner, 1858, *A. scoranza* Bonaparte, 1845, *A. scoranzoides* Heckel & Kner, 1858, *A. striatus* Petrov, 1926, *A. strigio* Bonaparte, 1845, *Aspius alburnoides* Selys-longchamps, 1842, *Aspius ochrodon* Fitzinger, 1832, *Cyprinus alburnus* Linnaeus, 1758, *Leuciscus alburnus* (Linnaeus, 1758), *Leuciscus dolabratus* Valenciennes, 1844, *Leuciscus lucidus ilmenensis* Warpachowski, 1886

MONOGENEA

Dactylogyrus alatus Linstow, 1878⁽²⁹⁷⁾⁽²⁹⁸⁾⁽²⁹⁹⁾⁽³⁰²⁾
Dactylogyrus fraternus Wegener, 1910⁽²⁹⁷⁾⁽²⁹⁸⁾⁽²⁹⁹⁾⁽³⁰²⁾⁽³⁵⁸⁾
Dactylogyrus minutus Kulwiec, 1927⁽³⁰²⁾
Paradiplozoon homoion (Bychowsky & Nagibina, 1959)⁽²⁹⁷⁾⁽²⁹⁸⁾⁽²⁹⁹⁾

TREMATODA

Allocreadium isoporum (Looss, 1894) Looss, 1900⁽²⁹⁹⁾
Diplostomum sp.⁽²⁹⁷⁾

CESTODA

Bothriocephalus acheilognathi Yamaguti, 1934⁽²⁹⁷⁾⁽²⁹⁹⁾
Ligula intestinalis (Linnaeus, 1758) Gmelin, 1790⁽²⁹⁹⁾⁽⁴⁶³⁾
⁽⁴⁶⁴⁾⁽⁴⁷⁵⁾

NEMATODA

Rhabdochona denudata (Dujardin, 1845) Railliet, 1916⁽²⁹⁷⁾

CRUSTACEA

Argulus foliaceus (L., 1758)⁽⁵³¹⁾
⁽⁵³³⁾
Paraergasilus longidigitus Yin, 1954⁽⁵²⁰⁾

ACANTHOCEPHALA

Pomphorhynchus laevis (Zoega in Müller, 1776) Porta, 1908⁽²⁹⁸⁾⁽²⁹⁹⁾

***Alburnus baliki* Bogutskaya, Küçük & Ünlü, 2000
 (Antalya bleak)**

Synonym: -

CRUSTACEA

Lernaea cyprinacea cyprinacea L., 1758⁽⁵²⁴⁾

ACANTHOCEPHALA

Pomphorhynchus laevis (Zoega in Müller, 1776) Porta, 1908⁽⁵¹⁵⁾

***Alburnus chalcoides* (Güldenstädt, 1772)
 (Danube bleak)**

Synonym: *Alburnus chalcoides aralensis* Berg, 1923, *A. chalcoides carinatus* Battalgi, 1941, *Alburnus chalcoides danubicus* Antipa, 1909, *A. chalcoides derjugini* Berg, 1923, *A. chalcoides istanbulensis* Battalgi, 1941, *A. chalcoides mentoides natio longicephala* Tseeb, 1930, *A. chalcoides nicaeensis* Battalgi, 1941, *A. chalcoides sapancae* Battalgi, 1941, *A. latissimus* Kamensky, 1901, *A. longissimus* Warpachowski, 1892,

Chalcalburnus calcoides (Güldenstädt, 1772) (misspelling), *Chalcalburnus chalcoides* (Güldenstädt, 1772), *C. chalcoides aralensis* (Berg, 1923), *C. chalcoides chalcoides* (Güldenstädt, 1772), *C. chalcoides danubicus* (Antipa, 1909), *C. chalcoides derjugini* (Berg, 1923), *C. chalcoides iranica* Svetovidov, 1945, *C. chalcoides macedonicus* Stephanidis, 1971, *C. chalcoides mento* (Agassiz, 1832), *C. chalcoides mentoides* (Kessler, 1859), *Cyprinus chalcoides* Güldenstädt, 1772, *Cyprinus clupeoides* Pallas, 1776, *Leuciscus albuloides* Valenciennes, 1844

MONOGENEA

Dactylogyrus chalcalburni Dogiel & Bykhovskii, 1934⁽²⁹³⁾
⁽³¹⁹⁾⁽³²⁰⁾⁽³²⁸⁾

Dactylogyrus sphyrna Linstow, 1878⁽³²⁸⁾

Diplozoon paradoxum von Nordmann, 1832⁽³⁹⁷⁾

Paradiplozoon homoion

(Bychowsky & Nagibina, 1959)⁽³²⁸⁾

Paradiplozoon Megan

(Bychowsky & Nagibina, 1959) Achmerov, 1974⁽³⁹⁷⁾

TREMATODA

Asymphylodora markewitschi

Kulakovskaya, 1947⁽³²⁸⁾

Posthodiplostomum cuticola

(von Nordmann, 1832) Dubois, 1936⁽³⁹⁷⁾

CESTODA

Bothriocephalus acheilognathi Yamaguti, 1934⁽³⁹⁷⁾

Caryophyllaeus laticeps (Pallas, 1781) Lühe, 1910⁽³²⁸⁾

Ligula intestinalis (Linnaeus, 1758) Gmelin, 1790⁽³¹⁹⁾

NEMATODA

Rhabdochona sp.⁽³⁹⁷⁾

CRUSTACEA

Argulus foliaceus (L., 1758)⁽³⁹⁷⁾

***Alburnus escherichii* Steindachner, 1897**

(Caucasian bleak)

Synonym: *Alburnus kosswigi*
Battalgil, 1941

MONOGENEA

Dactylogyrus sp.⁽²⁵⁸⁾

CESTODA

Bothriocephalus acheilognathi
Yamaguti, 1934⁽⁴³⁹⁾

Bothriocephalus sp.⁽²⁵⁸⁾

Ligula intestinalis (Linnaeus,
1758) Gmelin, 1790⁽⁴⁷⁷⁾⁽⁴⁷⁹⁾⁽⁴⁸¹⁾
(486)

Ligula sp.⁽²⁵⁸⁾

Proteocephalus sp.⁽⁴³⁹⁾

***Alburnus heckeli* Battalgil, 1943
(Hazar bleak)**

Synonym: -

MONOGENEA

Dactylogyrus alatus Linstow,
1878⁽³⁰¹⁾

***Alburnus istanbulensis* Battalgil,
1941**

Synonym: -

MONOGENEA

Dactylogyrus chalcalburni
Dogiel & Bykhovskii, 1934⁽²⁷⁷⁾

TREMATODA

Diplostomum sp.⁽²⁷⁷⁾

Tylodelphys clavata (von
Nordmann, 1832) Diesing,
1850⁽²⁷⁷⁾

CRUSTACEA

Ergasilus sieboldi Nordmann,
1832⁽²⁷⁷⁾

***Alburnus mossulensis* Heckel, 1843
(Mossul bleak)**

Synonym: *Alburnus capito* Heckel,
1843, *A. caudimacula* Heckel, 1846-
49, *A. iblis* Heckel, 1846-49, *A.*
megacephalus Heckel, 1846-49, *A.*
mossulensis delineatus Battalgil,
1942, *A. schejtan* Heckel, 1846-49,

Chalcalburnus mossulensis (Heckel,
1843), *Leuciscus maxillaris*
Valenciennes, 1844

MONOGENEA

Dactylogyrus alatus Linstow,
1878⁽³⁰⁴⁾

Dactylogyrus holciki Molnár &
Jalali, 1992⁽³⁰⁴⁾

Dactylogyrus lenkorani
Mikailov, 1967⁽³⁰⁴⁾

Dactylogyrus vistulae Prost,
1957⁽³⁰⁴⁾

Gyrodactylus sp.⁽³⁰⁴⁾

Paradiplozoon homoion
(Bychowsky & Nagibina,
1959⁽³⁰⁴⁾)

TREMATODA

Diplostomum spathaceum
(Rudolphi, 1819) Olsson,
1876⁽³⁰⁴⁾

Diplostomum sp.⁽⁴¹³⁾⁽⁴¹⁴⁾⁽⁴¹⁵⁾⁽⁴¹⁶⁾

CESTODA

Bothriocephalus acheilognathi
Yamaguti, 1934⁽⁴¹⁶⁾⁽⁴⁴³⁾

Caryophyllaeus laticeps (Pallas,
1781) Lühe, 1910⁽³⁰⁴⁾

Ligula intestinalis (Linnaeus,
1758) Gmelin, 1790⁽³⁰⁴⁾⁽⁴¹⁶⁾⁽⁴⁵⁸⁾
(459)

NEMATODA

Rhabdochona denudata
(Dujardin, 1845) Railliet,
1916⁽³⁰⁴⁾

ACANTHOCEPHALA

Neoechinorhynchus
(*Neoechinorhynchus*) *rutili*
(Müller, 1780) Hamann in Stiles
& Hassall, 1905⁽⁴¹³⁾⁽⁴¹⁵⁾

CRUSTACEA

Ergasilus briani Markevich,
1933⁽²⁸⁰⁾
Ergasilus sp.⁽³⁰⁴⁾

ANNELIDA

Piscicola geometra Linnaeus,
176⁽³⁰⁴⁾⁽⁵³⁹⁾

***Alburnus nasreddini* Battalgil, 1943
(Eber bleak)**

Synonym: -

ACANTHOCEPHALA

Pomphorhynchus laevis (Zoega
in Müller, 1776) Porta, 1908⁽⁴⁵⁶⁾

***Alburnus orontis* Sauvage, 1882 (Orontes bleak)**

Synonym: *Alburnus kotschyi* (non
Steindachner, 1863) (missapplied)

MONOGENEA

Dactylogyrus alatus Linstow,
1878⁽³⁰³⁾
Dactylogyrus vastator Nybelin,
1924⁽³⁷⁵⁾

CESTODA

Ligula intestinalis (Linnaeus,
1758) Gmelin, 1790⁽⁴⁶⁰⁾⁽⁴⁶²⁾⁽⁴⁷¹⁾
(477)(482)

CRUSTACEA

Ergasilus sieboldi Nordmann,
1832⁽³⁷⁵⁾

***Alburnus* sp.**

Synonym: -

CILIOPHORA

Ichthyophthirius multifiliis
Fouquet, 1876⁽²⁵⁶⁾

MONOGENEA

Dactylogyrus sp.⁽²⁵⁶⁾
Gyrodactylus sp.⁽²⁵⁶⁾

TREMATODA

Asymphylogora tincae (Modeer,
1790) Lühe, 1909⁽²⁵⁶⁾
Clinostomum complanatum
(Rudolphi, 1814) Braun,
1899⁽²⁵⁶⁾

CESTODA

Ligula intestinalis (Linnaeus,
1758) Gmelin, 1790⁽²⁵⁶⁾⁽⁴⁸⁴⁾⁽⁴⁸⁷⁾

CRUSTACEA

Argulus foliaceus (L., 1758)⁽²⁵⁶⁾

ACANTHOCEPHALA

Neoechinorhynchus
(*Neoechinorhynchus*) *rutili*
(Müller, 1780) Hamann in Stiles
& Hassall, 1905⁽²⁵⁶⁾⁽⁴⁸⁴⁾
Pomphorhynchus laevis (Zoega
in Müller, 1776) Porta, 1908⁽²⁵⁶⁾

***Arabibarbus grypus* (Heckel, 1843) (Shabout)**

Synonym: *Barbus grypus* Heckel,
1843, *Labeobarbus kotschyi* Heckel,
1843, *Tor grypus* (Heckel, 1843)

MONOGENEA

Dactylogyrus extensus Mueller
and Cleave, 1932⁽³⁵⁶⁾

***Barbus barbus* (Linnaeus, 1758) (Barbel)**

Synonym: *Barbus communis* Perty,
1832, *Barbus fluviatilis* Fitzinger,
1832, *Barbus fluviatilis alba* Krauss,
1882, *Barbus fluviatilis aurata*
Veesenmayer, 1884, *Barbus fluviatilis*
aurata Fatio, 1882, *Barbus fluviatilis*
tyrasensis Dybowski, 1862, *Barbus*
majori Valenciennes, 1842, *Barbus*
microphthalmus Bonaparte, 1846,
Barbus vulgaris Fleming, 1828,
Cyprinus barbus Linnaeus, 1758

ACANTHOCEPHALA

Pomphorhynchus laevis (Zoega
in Müller, 1776) Porta, 1908⁽²⁷⁶⁾

MOLLUSCA

Glochidia larvae⁽²⁷⁶⁾

***Barbus lacerta* Heckel, 1843 (Kura barbel)**

Synonym: *Barbus caucasi* Kessler,
1877, *Barbus scincus* Heckel, 1843,
Barbus plebejus ercisianus Karaman,
1971, *Barbus ercisianus* Karaman,
1971, *Barbus plebejus kosswigi*
Karaman, 1971, *Luciobarbus kosswigi*
(Karaman, 1971)

MONOGENEA

Dactylogyrus goktschaicus
Gusev, 1966⁽³⁵⁹⁾
Dactylogyrus lenkorani
Mikailov, 1967⁽³⁵⁹⁾
Dogielius mokhayeri Jalali &
Molnár, 1990⁽³⁵⁹⁾
Gyrodactylus sp.⁽³⁵⁹⁾

TREMATODA

Allocreadium isoporum (Looss, 1894) Looss, 1900⁽³⁵⁹⁾
Diplostomum sp.⁽⁴¹⁴⁾
CESTODA
Bothriocephalus acheilognathi Yamaguti, 1934⁽³⁵⁹⁾
Caryophyllaeus laticeps (Pallas, 1781) Lühe, 1910⁽³⁵⁹⁾

NEMATODA
Rhabdochona denudata (Dujardin, 1845) Railliet, 1916⁽³⁵⁹⁾
Contracaecum sp.⁽³⁵⁹⁾

CRUSTACEA
Lamproglana pulchella Nordmann, 1832⁽³⁵⁹⁾
Ergasilus sieboldi Nordmann, 1832⁽³⁵⁹⁾

ACANTHOCEPHALA
Neoechinorhynchus (*Neoechinorhynchus*) *rutili* (Müller, 1780) Hamann in Stiles & Hassall, 1905⁽⁵⁰⁸⁾

***Barbus plebejus* Bonaparte, 1839**

Synonym: *Barbus eques* Bonaparte, 1839, *Barbus plebeius* Valenciennes, 1842, *Barbus barbus plebejus* Bonaparte, 1839, *Barbus plebejus plebejus* Bonaparte, 1839

MONOGENEA
Dactylogyrus malleus Linstow, 1877⁽²⁹⁰⁾ ⁽²⁹⁵⁾ ⁽³⁰³⁾
Gyrodactylus elegans von Nordmann, 1832⁽²⁹⁰⁾ ⁽²⁹⁵⁾
Gyrodactylus hemibarbi Ergens, 1980⁽²⁹⁰⁾ ⁽²⁹⁵⁾

TREMATODA
Allocreadium isoporum (Looss, 1894) Looss, 1900⁽²⁹⁹⁾ ⁽⁴²³⁾
Diplostomum sp.⁽⁴¹¹⁾

CESTODA
Bothriocephalus acheilognathi Yamaguti, 1934⁽⁴⁴⁴⁾
Ligula intestinalis (Linnaeus, 1758) Gmelin, 1790⁽⁴⁴⁴⁾ ⁽⁴⁷⁷⁾ ⁽⁴⁸³⁾

NEMATODA
Rhabdochona denudata (Dujardin, 1845) Railliet, 1916⁽⁴²³⁾ ⁽⁴⁴⁴⁾ ⁽⁵⁰⁰⁾

CRUSTACEA
Argulus foliaceus (L., 1758)⁽⁵³³⁾
ACANTHOCEPHALA
Neoechinorhynchus sp.⁽⁴²³⁾ ⁽⁵⁰⁰⁾
Pomphorhynchus spindlet truncatus Amin, Abdullah & Mhaisen, 2003⁽⁴⁴⁴⁾
Pomphorhynchus sp.⁽⁴²³⁾

***Barbus rajanorum* Heckel, 1843**

Synonym: -

CESTODA
Ligula intestinalis (Linnaeus, 1758) Gmelin, 1790⁽⁴⁸⁴⁾
ACANTHOCEPHALA
Neoechinorhynchus (*Neoechinorhynchus*) *rutili* (Müller, 1780) Hamann in Stiles & Hassall, 1905⁽⁴⁸⁴⁾ ⁽⁵¹⁰⁾

***Barbus xanthos* (Güçlü, Kalaycı, Küçük, Turan 2020)**

Synonym: -

CRUSTACEA
Lernaea cyprina L., 1758⁽⁵²⁴⁾

***Barbus* sp.**

Synonym: -

CILIOPHORA
Ichthyophthirius multifiliis Fouquet, 1876⁽²⁵⁶⁾

MONOGENEA
Dactylogyrus sp.⁽²⁵⁶⁾
Gyrodactylus sp.⁽²⁵⁶⁾

TREMATODA
Asymphyllodora tincae (Modeer, 1790) Lühe, 1909⁽²⁵⁶⁾

ACANTHOCEPHALA
Neoechinorhynchus (*Neoechinorhynchus*) *rutili* (Müller, 1780) Hamann in Stiles & Hassall, 1905⁽²⁵⁶⁾

***Blicca bjoerkna* (Linnaeus, 1758) (White bream)**

Synonym: *Abramis bjoerkna* (Linnaeus, 1758), *Abramis björkna* (Linnaeus, 1758) (misspelling), *A. blicca* (Bloch, 1782), *A. erythropterus* Valenciennes, 1844, *A. micropteryx* Valenciennes, 1844, *Blicca argyroleuca* Heckel, 1843, *Blicca bjoekna* (Linnaeus, 1758) (misspelling), *B. bjoerkna bjoerkna* (Linnaeus, 1758), *B. bjoerkna derjavini* Dadikyan, 1970, *B. bjoerkna transcaucasica* Berg, 1916, *Blicca bjorkna* (Linnaeus, 1758) (misspelling), *Blicca björkna* (Linnaeus, 1758) (misspelling), *B. intermedia* Fatio, 1882, *Cyprinus bjoerkna* Linnaeus, 1758 (basionim), *Cyprinus blicca* Bloch, 1782, *C. gibbosus* Pallas, 1814, *C. gieben* Wulff, 1765, *C. laskyr* Güldenstädt, 1814, *C. latus* Gmelin, 1789, *C. latus* Gronow, 1854, *C. meckel* Hermann, 1804, *C. plestyia* Leske, 1774

CILIOPHORA

Trichodina sp.⁽²⁶⁵⁾⁽²⁷⁶⁾
Epistylis sp.⁽²⁶⁵⁾

MONOGENEA

Dactylogyrus cornoides Gläser & Gusev, 1967⁽²⁶⁵⁾⁽³²³⁾
Dactylogyrus cornu Linstow, 1878⁽²⁶⁵⁾⁽²⁸⁸⁾⁽²⁸⁹⁾⁽³²³⁾
Dactylogyrus crucifer Wagener, 1857⁽²⁸⁸⁾⁽²⁸⁹⁾
Dactylogyrus difformoides Gläser & Gusev, 1967⁽³²³⁾
Dactylogyrus distinguendus Nybelin, 1936⁽²⁶⁵⁾⁽³²³⁾⁽³³⁰⁾⁽³⁴¹⁾
Dactylogyrus falcatus (Wedl, 1858) Diesing, 1858⁽³²³⁾
Dactylogyrus sphyrna Linstow, 1878⁽²⁶⁵⁾⁽²⁸⁸⁾⁽²⁸⁹⁾⁽³²³⁾⁽³²⁵⁾⁽³³⁰⁾⁽³⁴¹⁾⁽³⁷¹⁾
Dactylogyrus wunderi Bykhovskii, 1931⁽³²³⁾
Paradiplozoon homoion (Bychowsky & Nagibina, 1959)⁽²⁶⁵⁾⁽²⁷⁶⁾
Paradiplozoon sp.⁽³²³⁾
Gyrodactylus sp.⁽³²³⁾

TREMATODA

Aspidogaster limacoides Diesing, 1835⁽²⁸⁸⁾⁽⁴⁰⁴⁾

Allocreadium lobatum Wallin, 1909⁽²⁷⁶⁾
Diplostomum spathaceum (Rudolphi, 1819) Olsson, 1876⁽²⁸⁸⁾⁽³³⁰⁾⁽³⁴¹⁾⁽⁴⁰⁴⁾
Diplostomum sp.⁽²⁶⁵⁾⁽³⁷¹⁾⁽⁴⁰⁸⁾
Posthodiplostomum cuticola (von Nordmann, 1832) Dubois, 1936⁽²⁸⁸⁾⁽²⁶⁵⁾⁽³⁷¹⁾⁽⁴⁰⁴⁾
Tylodelphys clavata (von Nordmann, 1832) Diesing, 1850⁽²⁶⁵⁾⁽²⁸⁸⁾⁽⁴⁰⁴⁾
Asymphylodora imitans (Mühling, 1898) Looss, 1899⁽⁴⁰⁸⁾
Tetracotyle sp.⁽⁴⁰⁸⁾

NEMATODA

Eustrongylides sp.⁽³³⁰⁾⁽³⁴¹⁾

CESTODA

Bothriocephalus acheilognathi Yamaguti, 1934⁽⁴⁰⁸⁾
Caryophyllaeus laticeps (Pallas, 1781) Lühse, 1910⁽²⁶⁵⁾⁽²⁷⁶⁾⁽³³⁰⁾⁽³⁴¹⁾⁽⁴⁰⁸⁾
Caryophyllaeides sp.⁽³⁷¹⁾

CRUSTACEA

Argulus foliaceus (L., 1758)⁽²⁶⁵⁾

CNIDARIA

Myxobolus sp.⁽²⁶⁵⁾

ANNELIDA

Piscicola geometra Linnaeus, 176⁽²⁶⁵⁾⁽²⁸⁸⁾

MOLLUSCA

Anodonta cygnea (Linnaeus, 1758)⁽²⁸⁸⁾
Glochidia larvae⁽²⁶⁵⁾⁽²⁷⁶⁾

Capoeta angorae (Hankó 1925) (Ankara barb)

Synonym: *Varicorhinus capoeta angorae*
Hankó, 1925, *Varicorhinus angorae*
Hankó, 1925

MONOGENEA

Dactylogyrus angorae Aydoğdu, Molnar, Emre, Emre, 2015⁽³¹⁵⁾

TREMATODA

Allocreadium isoporum (Looss, 1894) Looss, 1900⁽⁴²⁴⁾

CESTODA

Ligula intestinalis (Linnaeus, 1758) Gmelin, 1790⁽⁴⁸⁴⁾
 ACANTHOCEPHALA
Neoechinorhynchus
(Neoechinorhynchus) zabensis
 Amin, Abdullah & Mhaisen, 2003⁽⁴⁸⁴⁾⁽⁵⁰⁴⁾

***Capoeta antalyensis*
 (Battalgil, 1943)
 (Antalya barb)**

Synonym: *Varicorhinus antalyensis*
 Battalgil, 1943

TREMATODA
Allocreadium isoporum (Looss, 1894) Looss, 1900⁽⁴²⁴⁾

NEMATODA
Rhabdochona denudata
 (Dujardin, 1845) Railliet, 1916⁽⁴⁹⁰⁾

ACANTHOCEPHALA
Pomphorhynchus laevis (Zoega in Müller, 1776) Porta, 1908⁽⁵¹⁵⁾

***Capoeta barroisi* Lortet, 1894
 (Tigris barb)**

Synonym: *Barbus barroisi* (Lortet, 1894)

ACANTHOCEPHALA
Neoechinorhynchus
(Neoechinorhynchus) rutili
 (Müller, 1780) Hamann in Stiles & Hassall, 1905⁽⁴⁸⁴⁾⁽⁵¹⁰⁾
Neoechinorhynchus
(Neoechinorhynchus) zabensis
 Amin, Abdullah & Mhaisen, 2003⁽⁵¹¹⁾
Neoechinorhynchus sp.⁽⁴²³⁾

***Capoeta bergamae*
 Karaman, 1969
 (Bergama barb)**

Synonym: *Capoeta capoeta bergamae* Karaman, 1969

CESTODA

Ligula intestinalis (Linnaeus, 1758) Gmelin, 1790⁽⁴⁷²⁾

***Capoeta caelestis* Schöter, Özuluğ & Freyhof, 2009
 (Taurus scraper)**

Synonym: -

TREMATODA
Allocreadium isoporum (Looss, 1894) Looss, 1900⁽⁴²⁴⁾

***Capoeta capoeta* (Güldenstädt, 1773)
 (Seven khramulya)**

Synonym: *Capoeta gibbosa* Nikolskii, 1897, *Capoeta hohenackeri* Kessler, 1877, *Capoeta steindachneri* Kessler, 1872, *Cyprinus capoeta* Güldenstädt, 1773, *Cyprinus fundulus* Güldenstädt, 1787

MONOGENEA
Dactylogyrus pulcher
 Bychowsky, 1957⁽²⁹⁰⁾⁽³⁰⁰⁾
Dactylogyrus vastator Nybelin, 1924⁽³⁷⁵⁾
Dactylogyrus sp.⁽³⁰⁰⁾
Gyrodactylus sp.⁽³⁰⁰⁾

TREMATODA
Diplostomum sp.⁽³⁰⁰⁾⁽⁴¹¹⁾

CESTODA
Caryophyllaeus laticeps (Pallas, 1781) Lühe, 1910⁽⁴²³⁾
Ligula intestinalis (Linnaeus, 1758) Gmelin, 1790⁽⁴⁶⁰⁾⁽⁴⁸³⁾

NEMATODA
Rhabdochona denudata
 (Dujardin, 1845) Railliet, 1916⁽⁴²³⁾

CRUSTACEA
Ergasilus sieboldi Nordmann, 1832⁽³⁷⁵⁾

ACANTHOCEPHALA
Neoechinorhynchus sp.⁽⁴²³⁾⁽⁵⁰⁰⁾
Pomphorhynchus sp.⁽⁴²³⁾

ANNELIDA
Piscicola geometra Linnaeus, 176⁽⁵³⁹⁾

***Capoeta erhani* Turan, Kottelat & Ekmekçi, 2008
(Ceyhan scraper)**

Synonym: -

ACANTHOCEPHALA
Neoechinorhynchus
(*Neoechinorhynchus*) *zabensis*
Amin, Abdullah & Mhaisen, 2003⁽⁵⁰⁴⁾

***Capoeta mauricii* Küçük, Turan, Şahin & Güle, 2009
(Longsnout scraper)**

Synonym: -

MONOGENEA
Dactylogyrus turcicus Aydoğdu, Molnar, Emre, Emre, 2015⁽³¹⁵⁾

ACANTHOCEPHALA
Pomphorhynchus
spindletruncatus Amin, Abdullah & Mhaisen, 2003⁽⁵⁰⁴⁾

***Capoeta tinca* (Heckel, 1843)
(Anatolian khramulya)**

Synonym: *Scaphiodon tinca* Heckel, 1843, *Varicorhinus tinca* (Heckel, 1843)

MONOGENEA
Dactylogyrus crucifer Wagener, 1857⁽²⁹⁰⁾⁽³⁰⁰⁾
Dactylogyrus narzikulovi Gusev & Dzhaliilov, 1984⁽³⁰⁰⁾
Gyrodactylus narzikulovi Ergens & Dzhaliilov, 1979⁽²⁹⁰⁾⁽³⁰⁰⁾
Gyrodactylus sp.⁽³⁰⁰⁾

TREMATODA
Clinostomum complanatum (Rudolphi, 1814) Braun, 1899⁽⁴²²⁾
Diplostomum sp.⁽³⁰⁰⁾⁽⁴¹¹⁾

NEMATODA
Contracaecum sp.⁽³⁴⁸⁾
Rhabdochona denudata (Dujardin, 1845) Railliet, 1916⁽⁴⁴⁴⁾

ACANTHOCEPHALA

Pomphorhynchus
spindletruncatus Amin, Abdullah & Mhaisen, 2003⁽⁴⁴⁴⁾

***Capoeta trutta* (Heckel, 1843)**

Synonym: *Scaphiodon trutta* Heckel, 1843, *Scaphiodonichthys trutta* Heckel, 1843

MYZOOZA
Piscinoodinium pillulare (Schäperclaus) Lom, 1981⁽²⁸⁰⁾

MONOGENEA
Dactylogyrus crivellius Dupont & Lambert, 1986⁽³²⁶⁾
Dactylogyrus lenkorani Mikailov, 1967⁽³²⁶⁾
Dactylogyrus pulcher Bychowsky, 1957⁽³²⁶⁾
Dactylogyrus sphyrna Linstow, 1828⁽²⁸⁰⁾
Diclybothrium hamulatum (Simer, 1929) Price, 1942⁽²⁸⁰⁾
Dogielius mokhayeri Jalali & Molnár, 1990⁽³²⁶⁾
Gyrodactylus sp.⁽³²⁶⁾
Paradiplozoon barbi (Reichenbach-Klinke, 1951)⁽²⁸⁰⁾

TREMATODA
Diplostomum sp.⁽⁴⁰⁹⁾⁽⁴¹³⁾⁽⁴¹⁴⁾⁽⁴¹⁵⁾⁽⁴¹⁶⁾⁽⁴¹⁷⁾

NEMATODA
Rhabdochona denudata (Dujardin, 1845) Railliet, 1916⁽³²⁶⁾

CESTODA
Bothriocephalus acheilognathi Yamaguti, 1934⁽⁴⁰⁷⁾
Khawia armeniaca (Cholodkovsky, 1915) Shulman, 1958⁽⁴⁴³⁾

ACANTHOCEPHALA
Neoechinorhynchus
(*Neoechinorhynchus*) *rutili* (Müller, 1780) Hamann in Stiles & Hassall, 1905⁽³³⁸⁾⁽⁴⁰⁹⁾⁽⁴¹³⁾⁽⁴¹⁵⁾⁽⁴¹⁶⁾⁽⁴¹⁷⁾⁽⁴⁴³⁾⁽⁵⁰⁷⁾⁽⁵⁰⁸⁾
Neoechinorhynchus
(*Neoechinorhynchus*) *zabensis* Amin, Abdullah & Mhaisen, 2003⁽³²⁶⁾

CRUSTACEA

Argulus foliaceus (L., 1758)⁽⁵¹⁷⁾

Ergasilus sieboldi Nordmann,
1832⁽²⁸⁰⁾⁽⁵¹⁷⁾

Lamproglana pulchella
Nordmann, 1832⁽²⁸⁰⁾⁽³²⁶⁾⁽⁵²⁵⁾⁽⁵²⁶⁾

Tracheliastes polycolpus
Nordmann, 1832⁽²⁸⁰⁾⁽⁵²⁸⁾

MYXOZOA

Myxobolus cyprinicola Reuss,
1906⁽²⁸⁰⁾

***Capoeta umbla* (Heckel, 1843)
(Tigris scraper)**

Synonym: *Scaphiodon umbla* Heckel,
1843

MONOGENEA

Dactylogyrus affinis
Bychowsky, 1933⁽²⁹⁶⁾

Dactylogyrus auriculatus
(Nordmann, 1832) Diesing,
1850⁽²⁹⁶⁾

Dactylogyrus extensus Mueller
& Van Cleave, 1932⁽²⁹⁶⁾

Dactylogyrus lenkorani
Mikailov, 1967⁽³⁶⁰⁾

Dactylogyrus malleus Linstow,
1877⁽²⁹⁶⁾

Dactylogyrus minutus Kulwiec,
1927⁽²⁹⁶⁾

Dogielius forceps Bychowsky,
1936⁽³⁶⁰⁾⁽³⁸⁶⁾

TREMATODA

Diplostomum sp.⁽⁴⁰⁷⁾⁽⁴⁰⁹⁾⁽⁴¹⁴⁾⁽⁴¹⁵⁾
(416)

CESTODA

Bothriocephalus acheilognathi
Yamaguti, 1934⁽⁴⁰⁷⁾⁽⁴⁴¹⁾⁽⁴⁴³⁾

Caryophyllaeus laticeps (Pallas,
1781) Lühse, 1910⁽⁴⁴¹⁾

Khawia armeniaca
(Cholodkovsky, 1915) Shulman,
1958⁽⁴⁰⁷⁾⁽⁴⁴¹⁾⁽⁴⁴³⁾

Caryophyllaeus auriculatus
(Kulakovskaya, 1961) Scholz,
Oros, Choudhury, Brabec &
Waeschenbach, 2015⁽⁴⁴¹⁾

Ligula intestinalis (Linnaeus,
1758) Gmelin, 1790⁽⁴⁵⁷⁾

Diphyllobothrium sp.⁽⁴⁴¹⁾

NEMATODA

Philometra ovata (Zeder,
1803)⁽⁴⁴¹⁾

Philometra rischta Skrjabin,
1917⁽²⁹⁶⁾

ACANTHOCEPHALA

Neoechinorhynchus
(*Neoechinorhynchus*) *rutili*
(Müller, 1780) Hamann in Stiles
& Hassall, 1905⁽⁴⁴³⁾⁽⁵⁰⁸⁾⁽⁵⁰⁹⁾

Neoechinorhynchus
(*Neoechinorhynchus*) *zabensis*
Amin, Abdullah & Mhaisen,
2003⁽³⁶⁰⁾

ANNELIDA

Piscicola geometra Linnaeus,
1761⁽⁵²⁸⁾

MYXOZOA

Myxobolus cyprinicola Reuss,
1906⁽²⁸⁰⁾⁽²⁹⁶⁾

***Capoeta* sp.**

Synonym: -

CILIOPHORA

Trichodina domerguei
Wallengren, 1897⁽²⁷⁰⁾⁽²⁷¹⁾

MONOGENEA

Dactylogyrus sphyrna Linstow,
1828⁽²⁷⁰⁾⁽²⁷¹⁾

Dactylogyrus sp.⁽²⁵⁶⁾

Gyrodactylus sp.⁽²⁵⁶⁾

TREMATODA

Clinostomum complanatum
Rudolphi, 1819⁽²⁵⁶⁾

CRUSTACEA

Ergasilus sp.⁽²⁵⁶⁾

***Carasobarbus luteus* (Heckel, 1843)
(Yellow barbell)**

Synonym: *Barbus luteus* (Heckel,
1843), *Systomus albus* Heckel, 1843,
Systomus luteus Heckel, 1843

CRUSTACEA

Argulus foliaceus (L., 1758)⁽²⁸⁴⁾
Ergasilus mosulensis Rahemo,
1982⁽²⁸⁴⁾

***Carassius auratus* (L., 1758)
(Goldfish)**

Synonym: *Carassius auratus cantonensis* Tchang, 1933, *C. auratus grandoculis* Temminck & Schlegel, 1846, *C. auratus wui* Tchang, 1930, *C. burgeri* Temminck & Schlegel, 1846, *C. coeruleus* Basilewsky, 1855, *C. discolor* Basilewsky, 1855, *C. encobia* Bonaparte, 1845, *C. grandoculis* Temminck & Schlegel, 1846, *C. pekinensis* Basilewsky, 1855, *Cyprinus auratus* Linnaeus, 1758, *C. chinensis* Gronow, 1854, *C. gibeloides* Cantor, 1842, *C. langsdorfii* Valenciennes, 1842, *C. maillardi* Guichenot, 1863, *C. mauritanus* Bennett, 1832, *C. thoracatus* Valenciennes, 1842, *Leuciscus auratus* Mauduyt, 1849

MONOGENEA

Dactylogyrus anchoratus (Dujardin, 1845)⁽²⁹⁸⁾⁽²⁹⁹⁾⁽³⁰⁸⁾
Gyrodactylus katharineri Malmberg, 1964⁽²⁹⁸⁾⁽²⁹⁹⁾
Gyrodactylus sp.⁽³⁰⁸⁾

NEMATODA

Contracaecum sp.⁽²⁹⁸⁾

CRUSTACEA

Argulus foliaceus (L., 1758)⁽⁵³¹⁾⁽⁵³²⁾⁽⁵³³⁾

ACANTHOCEPHALA

Pomphorhynchus laevis (Zoega in Müller, 1776) Porta, 1908⁽²⁹⁸⁾⁽²⁹⁹⁾

***Carassius carassius* (L., 1758)
(Crucian carp)**

Synonym: *Carassius carassius carassius* (Linnaeus, 1758), *C. carassius jacuticus* Kirillov, 1956, *C. charax* (Lesniewski, 1837), *C. gibelio minutus* (Kessler, 1856), *C. humilis* Heckel, 1837, *C. linnaei* Bonaparte, 1845, *C. linnei* Malm, 1877, *C. linnei lacustris* Malm, 1877, *C. linnei piscinarum* Malm, 1877, *C. moles* Nordmann, 1840, *C. oblongus* Heckel & Kner, 1858, *C. vulgaris* Nordmann,

1840, *C. vulgaris gibbosus* Walecki, 1863, *C. vulgaris subventrosus* Walecki, 1863, *Cyprinus carassius* Linnaeus, 1758, *Cyprinus charax* Lesniewski, 1837, *C. gibelio minutus* Kessler, 1856, *C. moles* Agassiz, 1835, *C. moles* Selys-Longchamps, 1842, *C. moles* Valenciennes, 1842

MONOGENEA

Dactylogyrus anchoratus (Dujardin, 1845)⁽²⁹⁸⁾⁽²⁹⁹⁾⁽³⁰²⁾⁽³⁰⁶⁾⁽³⁰⁹⁾⁽³¹⁰⁾⁽³¹¹⁾⁽³¹²⁾
Dactylogyrus minutus Kulwicz, 1927⁽³⁰²⁾⁽³⁰⁶⁾⁽³¹⁰⁾⁽³¹²⁾
Dactylogyrus vastator Nybelin, 1924⁽²⁸⁷⁾
Gyrodactylus carassii Malmberg, 1957⁽³⁰⁹⁾
Gyrodactylus katharineri Malmberg, 1964⁽²⁹⁸⁾⁽²⁹⁹⁾⁽³¹¹⁾

TREMATODA

Diplostomum sp.⁽²⁸⁷⁾

NEMATODA

Contracaecum sp.⁽²⁹⁸⁾⁽³⁰⁶⁾⁽³¹⁰⁾
Hysterothylacium aduncum (Rudolphi, 1802)⁽³¹²⁾

CRUSTACEA

Argulus foliaceus (L., 1758)⁽³⁰⁶⁾⁽³¹⁰⁾⁽³⁶⁸⁾⁽⁵³¹⁾⁽⁵³³⁾

Lernaea cyprinacea cyprinacea Linnaeus, 1758⁽³¹²⁾

ACANTHOCEPHALA

Pomphorhynchus laevis (Zoega in Müller, 1776) Porta, 1908⁽²⁹⁸⁾⁽²⁹⁹⁾

ANNELIDA

Baicalobdella torquata Grube, 1871⁽³⁰⁶⁾⁽³¹⁰⁾

***Carassius gibelio* (Bloch, 1782)
(Prussian carp)**

Synonym: *Carassius auratus gibelio* (Bloch, 1782), *Carassius auratus gibelio natio vovkii* Johansen, 1945, *Carassius bucephalus* Heckel, 1837, *Carassius ellipticus* Heckel, 1848, *Carassius vulgaris kolenty* Dybowski, 1877, *Carassius vulgaris ventrosus* Walecki, 1863, *Cyprinus gibelio* Bloch, 1782

MONOGENEA

Dactylogyrus anchoratus
(Dujardin, 1845)⁽³⁹⁾⁽²⁸¹⁾⁽³⁰⁷⁾⁽³⁰⁸⁾
(313)

Dactylogyrus baueri Gussev,
1955⁽³⁹⁾⁽²⁸¹⁾

Dactylogyrus extensus Mueller
and Cleave, 1932⁽²⁸¹⁾

Dactylogyrus inexpectatus
Izjumova, 1955⁽³⁹⁾

Dactylogyrus minutus Kulwicz,
1927⁽³¹³⁾

Dactylogyrus vastator Nybelin,
1924⁽³⁹⁾⁽²⁸¹⁾

Gyrodactylus carassii

Malmberg, 1957⁽³⁰⁷⁾

Gyrodactylus scardinii

Malmberg, 1957

Gyrodactylus sp.⁽³⁹⁾⁽²⁸¹⁾⁽³⁰⁸⁾

TREMATODA

Diplostomum sp.⁽³⁹⁾

Tylodelphys clavata (von
Nordmann, 1832) Diesing,
1850⁽³⁹⁾

NEMATODA

Eustrongylides excisus

Jagerskiöld, 1909⁽⁴⁹²⁾

Hysterothylacium aduncum
(Rudolphi, 1802)⁽³¹³⁾

Raphidascaris acus (Bloch,
1779)⁽²⁷⁸⁾

CESTODA

Bothriocephalus acheilognathi
Yamaguti, 1934⁽⁴³⁷⁾

Caryophyllaeus fimbriceps
Annenkova-Chlopina, 1919⁽³⁹⁾

CRUSTACEA

Argulus foliaceus (L., 1758)⁽⁵³²⁾

Ergasilus sp.⁽²⁷⁸⁾

Lernaea cyprinacea cyprinacea
Linnaeus, 1758⁽³¹³⁾⁽⁵²⁴⁾

ANNELIDA

Piscicola geometra Linnaeus,
1761⁽⁵³⁷⁾

MOLLUSCA

Glochidia larvae⁽³⁹⁾

Chondrostoma beysehirense
Bogutskaya, 1997
(Beysehir nase)

Synonym: -

CRUSTACEA

Lernaea cyprinacea cyprinacea
Linnaeus, 1758⁽⁵²³⁾

***Chondrostoma fahirae* (Ladiges,
1960)**
(Tefenni minnow)

Synonym: -

ACANTHOCEPHALA

Pomphorhynchus
spindlertruncatus Amin,
Abdullah & Mhaisen, 2003⁽⁵⁰⁴⁾

***Chondrostoma nasus* (L., 1758)**
(Common nase)

Synonym: *Chondrostoma*
caerulescens Blanchard, 1866, *C.*
nasus borysthenicum Berg, 1914, *C.*
nasus hernadiensis Jeitteles, 1862, *C.*
nasus lumi Poljakov, Filipi & Basho,
1958, *C. nasus ohridanus* Karaman,
1924, *C. nasus taeniata* Fatio, 1882,
C. nasus var. *macrolepidotus*
Veesenmayer, 1884, *Cyprinus nasus*
Linnaeus, 1758 (basionim)

CESTODA

Ligula intestinalis (Linnaeus,
1758) Gmelin, 1790⁽⁴⁷⁹⁾⁽⁴⁸⁶⁾
Pomphorhynchus sp.⁽⁹⁵⁾

Chondrostoma regium
(Heckel, 1843)
(Brond-snout)

Synonym: *Chondochilus regius*
Heckel, 1843

MONOGENEA

Dactylogyrus alatus Linstow,
1878⁽²⁹⁰⁾⁽³⁰⁰⁾⁽³⁰³⁾

Dactylogyrus elegantis Gusev,
1966⁽³⁰¹⁾

Dactylogyrus extensus Mueller
& Van Cleave, 1932⁽²⁸⁰⁾

Dactylogyrus sphyrna Linstow,
1878⁽²⁸⁰⁾

Dactylogyrus vistulae Prost,
1957⁽²⁹⁰⁾⁽³⁰⁰⁾⁽³⁰¹⁾⁽³⁰³⁾⁽³⁷⁶⁾

- Gyrodactylus elegans* von Nordmann, 1832⁽²⁹⁰⁾⁽³⁰⁰⁾
Gyrodactylus macrocornis Ergens, 1963⁽²⁹⁰⁾⁽³⁰⁰⁾
Gyrodactylus spp.⁽³⁷⁶⁾
- TREMATODA
Diplostomum sp.⁽³⁰⁰⁾⁽³⁷⁶⁾⁽⁴⁰⁷⁾⁽⁴⁰⁹⁾⁽⁴¹¹⁾⁽⁴¹⁴⁾
- CESTODA
Bothriocephalus acheilognathi Yamaguti, 1934⁽⁴⁰⁷⁾⁽⁴⁴³⁾
Ligula intestinalis (Linnaeus, 1758) Gmelin, 1790⁽³⁷⁶⁾⁽⁴⁶⁰⁾⁽⁴⁸²⁾
- ACANTHOCEPHALA
Neoechinorhynchus (*Neoechinorhynchus*) *rutili* (Müller, 1780) Hamann in Stiles & Hassall, 1905⁽⁴⁴³⁾⁽⁵⁰⁸⁾
- CRUSTACEA
Ergasilus sieboldi Nordmann, 1832⁽²⁸⁰⁾
Lamproglana pulchella Nordmann, 1832⁽²⁸⁰⁾⁽⁵²⁵⁾
- Chondrostoma* sp.**
- Synonym: -**
- CILIOPHORA
Ichthyophthirius multifiliis Fouquet, 1876⁽²⁵⁶⁾
- MONOGENEA
Dactylogyrus sp.⁽²⁵⁶⁾
Gyrodactylus sp.⁽²⁵⁶⁾
- TREMATODA
Clinostomum complanatum (Rudolphi, 1814) Braun, 1899⁽²⁵⁶⁾
- NEMATODA
Kalmanmolnaria intestinalis (Dogiel & Bychowsky, 1934)⁽²⁵⁶⁾
- Cyprinion macrostomum* Heckel, 1843 (Tigris kingfish)**
- Synonym: *Cyprinion macrostomus* Heckel, 1843**
- NEMATODA
Rhabdochona sp.⁽⁵⁰¹⁾
- CRUSTACEA
Lernaea cyprinacea cyprinacea Linnaeus, 1758⁽⁵²²⁾
- ANNELIDA
Piscicola geometra Linnaeus, 176⁽⁵³⁹⁾
- Cyprinus carpio* L., 1758 (Common carp)**
- Synonym:** *Carpio carpio* gibbosus (Kessler, 1856), *Carpio flavipinna* (Valenciennes, 1842), *Carpio vulgaris* Rapp, 1854, *Cyprinus acuminatus* Heckel & Kner, 1858, *Cyprinus alepidotus* Bloch, 1784, *Cyprinus angulatus* Heckel, 1843, *Cyprinus atrovirens* Richardson, 1846, *Cyprinus bithynicus* Richardson, 1857, *Cyprinus carpio anatolicus* Hankó, 1925, *Cyprinus carpio aralensis* Spiczakow, 1935, *Cyprinus carpio brevicirri* Misik, 1958, *Cyprinus carpio carpio* Linnaeus, 1758, *Cyprinus carpio caspicus* Walbaum, 1792, *Cyprinus carpio communis* Linnaeus, 1758, *Cyprinus carpio elongatus* Walecki, 1863, *Cyprinus carpio fluviatilis* Pravdin, 1945, *Cyprinus carpio haematopterus* Martens, 1876, *Cyprinus carpio lacustris* Fitzinger, 1832, *Cyprinus carpio longicirri* Misik, 1958, *Cyprinus carpio monstrosus* Walecki, 1863, *Cyprinus carpio oblongus* Antipa, 1909, *Cyprinus carpio specularis* Lacepède, 1803, *Cyprinus carpio* var. *gibbosus* Kessler, 1856, *Cyprinus carpio* var. *haematopterus* Martens, 1876, *Cyprinus chinensis* Basilewsky, 1855, *Cyprinus cirrosus* Schaeffer, 1760, *Cyprinus conirostris* Temminck & Schlegel, 1846, *Cyprinus coriaceus* Lacepède, 1803, *Cyprinus elatus* Bonaparte, 1836, *Cyprinus festetitsii* Bonaparte, 1845, *Cyprinus hungaricus* Heckel, 1837, *Cyprinus macrolepidotus* Meidinger, 1794, *Cyprinus macrolepidotus* Hartmann, 1827, *Cyprinus mahuensis* Liu & Ding, 1982, *Cyprinus melanotus* Temminck & Schlegel, 1846, *Cyprinus nordmannii*

Valenciennes, 1842, *Cyprinus nudus*
 Bloch, 1784, *Cyprinus regina*
 Bonaparte, 1836, *Cyprinus regius*
 Nau, 1791, *Cyprinus rex* Walbaum,
 1792, *Cyprinus rexcyprinorum* Bloch,
 1782, *Cyprinus rondeletii* Shaw,
 1802, *Cyprinus specularis* Lacepède,
 1803, *Cyprinus thermalis* Heckel,
 1843, *Cyprinus tossicole* Elera, 1895,
Cyprinus viridescens Lacepède, 1803,
Cyprinus vittatus Valenciennes, 1842

CILIOPHORA

Chilodonella cyprini (Moroff,
 1902) Strand, 1928⁽²⁵⁶⁾
Chilodonella sp.⁽²⁵⁸⁾⁽²⁵⁹⁾
Ichthyophthirius multifiliis
 Fouquet, 1876⁽²⁵⁶⁾⁽²⁶⁰⁾⁽²⁶¹⁾⁽²⁶²⁾
Apiosoma piscicola (Blanchard
 1885)⁽²⁶³⁾⁽²⁶⁴⁾
Apiosoma sp.⁽²⁵⁶⁾
Epistylis sp.⁽²⁶³⁾⁽²⁶⁴⁾
Trichodina acuta Lom, 1961⁽¹⁸⁾
⁽²⁶³⁾⁽²⁶⁴⁾⁽²⁶⁶⁾⁽²⁶⁷⁾
Trichodina domerquei
 Wallengren, 1897⁽²⁵⁶⁾⁽²⁷⁰⁾⁽²⁷¹⁾
Trichodina mutabilis Kazubski
 and Migala, 1968⁽²⁶³⁾⁽²⁶⁴⁾⁽²⁶⁶⁾
Trichodina nigra Lom, 1960⁽²⁵⁶⁾
⁽²⁶⁰⁾⁽²⁶³⁾⁽²⁶⁴⁾⁽²⁶⁶⁾⁽²⁷³⁾
Trichodina sp.⁽²⁵⁸⁾⁽²⁵⁹⁾⁽²⁷⁴⁾⁽²⁷⁸⁾
Trichodinella subtilis Lom,
 1959⁽²⁶³⁾⁽²⁶⁴⁾
Trichodinella sp.⁽²⁵⁶⁾

APICOMPLEXA

Eimeria sp.⁽²⁵⁶⁾⁽²⁷⁰⁾⁽²⁷¹⁾

EUGLENOZOA

Cryptobia branchialis Nie in
 Chen, 1955⁽²⁵⁶⁾
Cryptobia sp.⁽²⁵⁶⁾
Ichthyobodo necator
 (Henneguy) Pinto, 1928⁽²⁵⁶⁾
Trypanoplasma sp.⁽²⁵⁶⁾
Trypanosoma sp.⁽²⁵⁶⁾

MYZOOA

Piscinoodinium pillulare
 (Schäperclaus) Lom, 1981⁽²⁸⁰⁾

MONOGENEA

Dactylogyrus anchoratus
 (Dujardin, 1845) Wagener,
 1857⁽²⁶⁴⁾⁽³⁰⁵⁾⁽³¹²⁾⁽³¹⁴⁾

Dactylogyrus ancylostylus
 Chien, 1974⁽²⁸⁰⁾
Dactylogyrus chalcaburni
 Dogiel & Bykhovskii, 1934⁽³⁷⁾
⁽²⁶⁷⁾

Dactylogyrus cyprini Buschkiel,
 1930⁽³⁷⁾
Dactylogyrus extensus Mueller
 & Van Cleave, 1932⁽³⁷⁾⁽³⁹⁾⁽²⁶⁴⁾⁽²⁶⁷⁾
⁽²⁹⁰⁾⁽²⁹³⁾⁽²⁹⁶⁾⁽³⁰⁰⁾⁽³⁰⁵⁾⁽³⁰⁸⁾⁽³¹⁷⁾⁽³¹⁹⁾⁽³²²⁾
⁽³⁴³⁾⁽³⁴⁴⁾⁽³⁴⁵⁾⁽³⁴⁶⁾⁽³⁴⁷⁾⁽³⁴⁸⁾⁽³⁴⁹⁾⁽³⁵⁰⁾⁽³⁵¹⁾
⁽³⁵²⁾⁽³⁵³⁾⁽³⁵⁴⁾⁽³⁵⁵⁾⁽³⁵⁷⁾

Dactylogyrus minutus Kulwiec,
 1927⁽²⁷⁰⁾⁽²⁷¹⁾⁽²⁸⁰⁾⁽³¹²⁾⁽³¹⁴⁾⁽³⁶⁵⁾⁽³⁶⁶⁾⁽³⁶⁷⁾
⁽³⁶⁸⁾⁽³⁶⁹⁾

Dactylogyrus phoxini
 Malevitskaia, 1949⁽²⁹³⁾⁽³²²⁾
Dactylogyrus vastator Nybelin,
 1924⁽²⁶⁰⁾⁽²⁷²⁾⁽²⁷³⁾⁽³⁶⁴⁾
Dactylogyrus sp.⁽²⁵⁶⁾⁽²⁵⁸⁾⁽²⁵⁹⁾⁽²⁷⁴⁾
⁽³⁸³⁾⁽³⁸⁵⁾

Eudiplozoon nipponicum (Gotto,
 1891) Khotenovsky, 1984⁽³⁹⁸⁾
Gyrodactylus cyprini Diarova,
 1964⁽³⁷⁾⁽²⁶⁷⁾
Gyrodactylus elegans von
 Nordmann, 1832⁽²⁶⁰⁾⁽³⁵⁰⁾⁽³⁵¹⁾⁽³⁵²⁾
⁽³⁵³⁾⁽³⁵⁵⁾⁽³⁷⁴⁾

Gyrodactylus scardinii
 Malmberg, 1957⁽³¹⁹⁾⁽³⁹¹⁾
Gyrodactylus sp.⁽²⁵⁶⁾⁽²⁶⁴⁾⁽²⁸¹⁾⁽³⁰⁸⁾
⁽³²²⁾

Paradiplozoon homoion
 (Bychowsky & Nagibina,
 1959)⁽³⁴³⁾
Paradiplozoon sp.⁽³⁹⁾⁽²⁸¹⁾

TREMATODA

Petasiger sp.⁽²⁶⁷⁾
Ascocotyle sp.⁽²⁶⁷⁾
Clinostomum complanatum
 (Rudolphi, 1814) Braun,
 1899⁽²⁵⁶⁾⁽²⁸¹⁾
Diplostomum spathaceum
 (Rudolphi, 1819) Olsson,
 1876⁽²⁶⁷⁾⁽³⁵⁵⁾
Diplostomum sp.⁽³⁹⁾⁽²⁸¹⁾⁽³⁰⁰⁾⁽³²²⁾
⁽⁴¹⁰⁾⁽⁴¹¹⁾⁽⁴¹³⁾⁽⁴¹⁵⁾⁽⁴¹⁶⁾⁽⁴¹⁷⁾
Tylodelphys clavata (von
 Nordmann, 1832) Diesing,
 1850⁽³⁹⁾⁽²⁶⁷⁾⁽²⁸¹⁾⁽⁴¹⁸⁾

Posthodiplostomum cuticola
(von Nordmann, 1832) Dubois,
1936⁽³⁵⁰⁾

Tetracotyle sp.⁽²⁶⁷⁾

Sanguinicola sp.⁽²⁵⁶⁾

CESTODA

Bothriocephalus acheilognathi
Yamaguti, 1934⁽³⁹⁾⁽²⁶⁷⁾⁽²⁷⁸⁾⁽²⁸¹⁾⁽³¹²⁾
(314)(319)(322)(347)(349)(350)(351)(352)(357)(3
65)(366)(367)(368)(369)(385)(407)(423)(437)
(438)(439)(440)(443)

Bothriocephalus sp.⁽²⁵⁸⁾⁽³⁴⁴⁾⁽³⁴⁵⁾

Caryophyllaeus brachycollis
Janiszewska, 1953⁽⁴⁴⁹⁾

Caryophyllaeus fimbriceps
Annenkova-Chlopina, 1919⁽²⁸¹⁾

Caryophyllaeus laticeps (Pallas,
1781) Lühe, 1910⁽²⁵⁶⁾⁽²⁶¹⁾⁽²⁶⁷⁾⁽³¹²⁾
(314)(319)(322)(343)(344)(346)(347)(349)(351)(3
57)(365)(366)(367)(368)(369)(416)(438)(440)
(450)

Caryophyllaeus sp.⁽⁹⁵⁾⁽²⁶⁰⁾

Khawia armeniaca
(Cholodkovsky, 1915) Shulman,
1958⁽⁴⁰⁷⁾⁽⁴⁴³⁾

Khawia sinensis Hsu, 1935⁽⁴¹³⁾
(415)(417)

Paradilepis scolecina (Rudolphi,
1819)⁽⁴⁵⁶⁾

Ligula intestinalis (Linnaeus,
1758) Gmelin, 1790⁽²⁷⁰⁾⁽²⁷¹⁾⁽³⁶⁵⁾
(368)(450)(477)(484)

Ligula sp.⁽²⁵⁸⁾

Proteocephalus sp.⁽⁹⁵⁾

Schistocephalus sp.⁽²⁶⁰⁾

NEMATODA

Contracaecum sp.⁽²⁶⁷⁾⁽³⁵⁴⁾

Eustrongylides excisus

Jagerskiöld, 1909⁽⁴⁹²⁾

Spiroxys contortus (Rudolphi,
1819)⁽²⁶⁷⁾

Rhabdochona denudata
(Dujardin, 1845) Railliet,
1916⁽⁴⁴⁰⁾

Pseudocapillaria
(*Pseudocapillaria*) *tomentosa*
(Dujardin, 1845) Moravec,
1987⁽³¹⁹⁾⁽³⁵⁷⁾

ACANTHOCEPHALA

Neoechinorhynchus
(*Neoechinorhynchus*) *rutili*
(Müller, 1780) Hamann in Stiles

& Hassall, 1905⁽³⁴⁴⁾⁽⁴¹⁰⁾⁽⁴³⁸⁾⁽⁴⁴⁰⁾
(443)(484)(506)(510)

Neoechinorhynchus sp.⁽²⁸¹⁾

Pomphorhynchus laevis (Zoega
in Müller, 1776) Porta, 1908⁽²⁵⁶⁾

Acanthocephalus clavula
(Dujardin, 1845) Grabda-
Kazubska & Chubb, 19686⁽⁴⁴⁰⁾

CRUSTACEA

Argulus foliaceus (Linnaeus,
1758)⁽²⁶⁰⁾⁽²⁶²⁾⁽²⁶⁴⁾⁽²⁶⁷⁾⁽³¹²⁾⁽³¹⁴⁾⁽³⁴⁴⁾
(350)(351)(357)(365)(368)(374)(383)(506)(516)
(529)(532)(533)

Ergasilus sieboldi Nordmann,
1832⁽²⁶⁷⁾⁽³⁴⁶⁾

Ergasilus sp.⁽³⁸³⁾

Lamproglana pulchella
Nordmann, 1832⁽⁵²⁶⁾

Lernaea cyprinacea cyprinacea
Linnaeus, 1758⁽³¹⁴⁾⁽³⁵⁴⁾

ANNELIDA

Hirudo medicinalis Linnaeus,
1758⁽⁴⁹⁹⁾

Hemiclepsis marginata (O. F.
Müller, 1773)⁽³⁷⁴⁾⁽⁴⁹⁹⁾⁽⁵³⁶⁾

Piscicola geometra (Linnaeus,
1761)⁽³⁵⁵⁾⁽⁵¹⁶⁾⁽⁵⁴⁰⁾

MYXOZOA

Sphaerospora sp.⁽²⁵⁶⁾

Myxobolus sp.⁽³⁴⁴⁾

MOLLUSCA

Glochidia larvae⁽³²²⁾

***Garra rufa* (Heckel, 1843)
(Red garra)**

Synonym: *Discognathus obtusus*
Heckel, 1843, *Discognathus rufus*
Heckel, 1843, *Garra rufus*
(Heckel, 1843) (misspelling), *Garra*
rufa obtusa (Heckel, 1843),
Discognathus crenulatus Heckel,
1847, *Garra rufa crenulata* (Heckel,
1847), *Garra rufa gymnothorax* Berg,
1949

MONOGENEA

Dactylogyrus rectotrabus Gusev,
Jalali & Molnár, 1993⁽³⁰¹⁾
Paradiplozoon bingolensis
Civanova, Koyun, Koubkova,
2013⁽³⁹⁹⁾

TREMATODA

Diplostomum sp.⁽⁴¹⁴⁾

CESTODA

Ligula intestinalis (Linnaeus, 1758) Gmelin, 1790⁽⁴⁶⁰⁾

NEMATODA

Rhabdochona sp.⁽⁵⁰¹⁾

ACANTHOCEPHALA

Neoechinorhynchus
(*Neoechinorhynchus*) *rutili*
(Müller, 1780) Hamann in Stiles
& Hassall, 1905⁽⁵⁰⁸⁾

***Gobio gobio* (L., 1758) (Gudgeon)**

Synonym: *Bungia nigrescens* Keyserling, 1861, *Cobitis fundulus* Wulff, 1765, *Cyprinus gobio* Linnaeus, 1758, *Gobio bulgaricus* Drensky, 1926, *Gobio fluviatilis* Fleming, 1828, *G. fluviatilis* Cuvier, 1842, *G. fluviatilis lepidolaemus* Kessler, 1872, *G. gobio albanicus* Oliva, 1961, *G. gobio balcanicus* Dimovski & Grupche, 1977, *G. gobio brevicirris* Fowler, 1976, *G. gobio bulgarica* Drensky, 1926, *G. gobio carpathicus natio krymensis* Delyamure, 1937, *G. gobio carpathicus natio sarmaticus* Slastenenko, 1934, *G. gobio feraeensis* Stephanidis, 1973, *G. gobio gobio* (Linnaeus, 1758), *G. gobio gymnostethus* Ladiges, 1960, *G. gobio holurus* Fowler, 1976, *G. gobio insuyan* Ladiges, 1960, *G. gobio intermedius* Battalgi, 1943, *G. gobio katopyga* Berg, 1914, *G. gobio kovatchevi* Chichkoff, 1937, *G. gobio krymensis* Banarescu & Nalbant, 1973, *G. gobio lepidolaemus* Kessler, 1872, *G. gobio lepidolaemus natio holurus* Berg, 1914, *G. gobio lepidolaemus natio lindbergi* Turdakov & Piskarev, 1955, *G. gobio lepidolaemus natio skadarensis* Karaman, 1937, *G. gobio longicirris* Berg, 1914, *G. gobio magnicapitata* Gundrizer, 1967, *G. gobio microlepidotus* Battalgi, 1942, *G. gobio muresia* Jászfalusi, 1951, *G.*

gobio nikolskyi Turdakov & Piskarev, 1955, *G. gobio ohridana* Karaman, 1924, *G. gobio ohridanus* Karaman, 1924, *G. gobio prosopyga* Berg, 1914, *G. gobio sarmaticus* Berg, 1949, *G. gobio sarmaticus* Berg, 1949, *G. latus* Anikin, 1905, *G. lepidolaemus* Kessler, 1872, *G. lepidolaemus caucasica* Kamensky, 1901, *G. phoxinoides* De la Pylaie, 1835, *G. saxatilis* Koch, 1840, *G. vulgaris* Heckel, 1837, *Leuciscus gobio* (Linnaeus, 1758)

CESTODA

Ligula intestinalis (Linnaeus, 1758) Gmelin, 1790⁽⁴⁸¹⁾

***Leuciscus aspius* (L., 1758) (Asp)**

Synonym: *Alburnus iblioides* Kessler, 1872, *Aspius aspius* (Linnaeus, 1758), *Aspius aspius aspius* (Linnaeus, 1758), *Aspius aspius iblioides* (Kessler, 1872), *Aspius aspius taeniat* (Eichwald, 1831), *Aspius erytostomus* Kessler, 1877, *Aspius linnei* Malm, 1877, *Aspius rapax* Agassiz, 1835, *Aspius rapax jaxartensis* Kessler, 1874, *Aspius transcausicus* Warpachovski, 1896, *Aspius transcaucasicus* Warpachovski, 1896, *Aspius vulgaris* Leiblein, 1853, *Cyprinus aspius* Linnaeus, 1758, *Cyprinus rapax* Leske, 1774, *Cyprinus rapax* Pallas, 1814, *Cyprinus taeniat* Eichwald, 1831

MONOGENEA

Dactylogyrus tuba Linstow, 1878⁽³⁹⁾

Paradiplozoon pavlovskii
(Bychowsky and Nagibina, 1959)⁽³⁹⁾

TREMATODA

Diplostomum sp.⁽³⁹⁾

MOLLUSCA

Glochidia larvae⁽³⁹⁾

***Luciobarbus escherichii* (Steindachner, 1897)**

(Ankara barbell)

Synonym: *Barbus lacerta escherichii* Steindachner, 1897, *Barbus escherichii* Steindachner, 1897, *Barbus tauricus escherichii* Steindachner, 1897, *Luciobarbus scheich* (Steindachner, 1897), *Barbus tauricus rionica* Kamensky, 1899

MONOGENEA

Dactylogyrus carpathicus
Zakhvatkin, 1951⁽³¹⁷⁾⁽³¹⁸⁾

TREMATODA

Allocreadium isoporum (Looss, 1894) Looss, 1900⁽³¹⁸⁾
Clinostomum complanatum (Rudolphi, 1814) Braun, 1899⁽⁴²²⁾

CESTODA

Biacetabulum appendiculatum (Szidat, 1972)⁽²⁹⁹⁾⁽⁴⁴⁶⁾
Bothriocephalus acheilognathi Yamaguti, 1934⁽³¹⁷⁾⁽³¹⁸⁾
Caryophyllaeus laticeps (Müller, 1781)⁽³¹⁷⁾⁽³¹⁸⁾
Ligula intestinalis (Linnaeus, 1758) Gmelin, 1790⁽⁴⁵⁷⁾

NEMATODA

Contracaecum sp.⁽³¹⁸⁾

ACANTHOCEPHALA

Pomphorhynchus laevis (Zoega in Müller, 1776) Porta, 1908⁽⁵¹²⁾
Pomphorhynchus sp.⁽⁹⁵⁾

***Luciobarbus esocinus*
Heckel, 1843
(Mangar)**

Synonym: *Barbus esocinus* (Heckel, 1843), *Labeobarbus euphrati* Sauvage, 1882, *Barbus euphrati* (Sauvage, 1882)

MONOGENEA

Dactylogyrus ancylostylus Linstow, 1878⁽²⁸⁰⁾
Dactylogyrus asper Chien, 1974⁽²⁸⁰⁾

TREMATODA

Diplostomum sp.⁽⁴⁰⁷⁾⁽⁴¹⁷⁾

ACANTHOCEPHALA

Neoechinorhynchus
(*Neoechinorhynchus*) *rutili* (Müller, 1780) Hamann in Stiles & Hassall, 1905⁽⁴¹⁷⁾⁽⁴⁴³⁾

***Luciobarbus mursa*
(Güldenstädt, 1773)
(Mursa)**

Synonym: *Barbus kessleri* Derjavin, 1929, *Barbus microphthalmus* Sauvage, 1882, *Barbus mursa* (Güldenstädt, 1773), *Barbus murosoides* Kessler, 1877, *Cyprinus mursa* Güldenstädt, 1773

NEMATODA

Rhabdochona denudata (Dujardin, 1845) Railliet, 1916⁽⁴²³⁾

***Luciobarbus mystaceus*
(Pallas, 1814)
(Euphrates barbell)**

Synonym: *Cyprinus mystaceus* Pallas, 1814, *Barbus mystaceus* (Pallas, 1814)

MONOGENEA

Dactylogyrus asper Chien, 1974⁽²⁸⁰⁾
Dactylogyrus extensus Mueller & Van Cleave, 1932⁽²⁸⁰⁾

TREMATODA

Diplostomum sp.⁽⁴¹⁷⁾

ACANTHOCEPHALA

Neoechinorhynchus
(*Neoechinorhynchus*) *rutili* (Müller, 1780) Hamann in Stiles & Hassall, 1905⁽⁴¹⁷⁾

ANNELIDA

Actinobdella sp.⁽²⁸⁰⁾
Myzobdella patzcuarensis (Caballero, 1940)⁽²⁸⁰⁾
Piscicola geometra Linnaeus, 1761⁽²⁸⁰⁾⁽²⁸⁸⁾

***Luciobarbus pectoralis*
(Heckel, 1843)
(Heckel's Orontes barbell)**

Synonym: *Barbus pectoralis* Heckel, 1843, *Barbus capito pectoralis* Heckel, 1843, *Barbus perniciosus* Heckel, 1843, *Luciobarbus schejch* Heckel, 1843, *Labeobarbus orontis* Sauvage, 1882, *Barbus kersin* (non Heckel, 1843) (missapplied), *Barbus barbulus* (non Heckel, 1847) (missapplied)

MONOGENEA

Dactylogyrus ancylostylus
Linstow, 1878⁽²⁸⁰⁾
Dactylogyrus minutus Kulwicz,
1927⁽²⁸⁰⁾
Paradiplozoon barbi
(Reichenbach-Klinke, 1951)⁽²⁸⁰⁾
Gyrodactylus elegans von
Nordmann, 1832⁽²⁶¹⁾

TREMATODA

Phyllodistomum folium (Olfers,
1816) Braun, 1899⁽³⁶⁸⁾

CESTODA

Caryophyllaeus laticeps (Pallas,
1781) Lühe, 1910⁽²⁶¹⁾
Khawia armeniaca
(Cholodkovsky, 1915) Shulman,
1958⁽⁴⁵³⁾
Ligula intestinalis (Linnaeus,
1758) Gmelin, 1790⁽³⁶⁸⁾⁽⁴⁵³⁾⁽⁴⁸⁴⁾
Schistocephalus sp.⁽²⁶¹⁾

NEMATODA

Rhabdochona denudata
(Dujardin, 1845) Railliet,
1916⁽³⁶⁸⁾

ACANTHOCEPHALA

Neoechinorhynchus
(*Neoechinorhynchus*) *rutili*
(Müller, 1780) Hamann in Stiles
& Hassall, 1905⁽⁴⁸⁴⁾
Neoechinorhynchus sp.⁽⁴⁵³⁾

ANNELIDA

Piscicola sp.⁽⁴⁵³⁾

***Onychostoma* sp.**

Synonym: *Varicorhinus*

MONOGENEA

Dactylogyrus sp.⁽²⁵⁶⁾
Gyrodactylus sp.⁽²⁵⁶⁾

***Pseudophoxinus antalyae* Bogutskaya, 1992 (Antalya minnow)**

Synonym: -

MONOGENEA

Dactylogyrus ergensi Molnár,
1964⁽³⁴³⁾
Dactylogyrus sphyrna Linstow,
1878⁽³⁴³⁾
Paradiplozoon homoion
(Bychowsky & Nagibina,
1959)⁽³⁴³⁾⁽⁴⁰²⁾

***Pseudophoxinus battalgilae* Bogutskaya, 1997 (Beysehir minnow)**

Synonym: *Pseudophoxinus battalgili*
Bogutskaya, 1997

NEMATODA

Contracaecum sp.⁽⁴⁹⁰⁾

***Pseudophoxinus burduricus* Küçük, Gülle, Güçlü, Çiftçi & Erdoğan, 2013 (Burdur spring minnow)**

Synonym: -

MONOGENEA

Paradiplozoon bliccae
(Reichenbach-Klinke, 1961)⁽⁴⁰⁰⁾

CRUSTACEA

Lernaea cyprinacea cyprinacea
L., 1758⁽⁵²⁴⁾

***Pseudophoxinus crassus* (Ladiges, 1960) (Fat spring minnow)**

Synonym: *Acanthorutilus crassus*
Ladiges, 1960, *Phoxinellus crassus*
(Ladiges, 1960)

MONOGENEA

Gyrodactylus latus Bychowsky,
1933⁽³⁸⁸⁾

TREMATODA

Asymphylogora imitans
(Mühling, 1898) Looss, 1899⁽³⁸⁸⁾
CESTODA

Bothriocephalus acheilognathi
Yamaguti, 1934⁽³⁸⁸⁾
ACANTHOCEPHALA

Pomphorhynchus laevis (Zoega
in Müller, 1776) Porta, 1908⁽³⁸⁸⁾

***Pseudophoxinus egridiri* (Karaman,
1972)
(Eğirdir minnow)**

Synonym: -

NEMATODA

Eustrongylides excisus
Jägerskiöld, 1909⁽⁴⁵¹⁾

CRUSTACEA

Lernaea cyprinacea cyprinacea
L., 1758⁽⁴⁵¹⁾

***Pseudophoxinus fahrettini* Freyhof
& Özuluğ, 2010
(Pisidian spring minnow)**

Synonym: -

ACANTHOCEPHALA

Pomphorhynchus
spindletruncatus Amin,
Abdullah & Mhaisen, 2003⁽⁵⁰⁴⁾

***Pseudophoxinus zekayi* Bogutskaya,
Küçük & Atalay, 2006
(Ceyhan spring minnow)**

Synonym: -

CRUSTACEA

Lernaea cyprinacea cyprinacea
L., 1758⁽⁵²⁴⁾

***Pseudorasbora parva* (Temminck &
Schlegel, 1846)
(Stone moroko)**

Synonym: *Leuciscus parvus*
Temminck & Schlegel, 1846,
Pseudorasbora parvus
(Temminck & Schlegel, 1846),
Fundulus virescens Temminck &

Schlegel, 1846, *Micraspius*
mianowskii Dybowski, 1896,
Pseudorasbora altipinna Nichols,
1925, *Pseudorasbora depressirostris*
Nichols, 1925, *Pseudorasbora fowleri*
Nichols, 1925, *Pseudorasbora*
monstrosa Nichols, 1925,
Pseudorasbora parva parvula
Nichols, 1929, *Pseudorasbora parva*
tenuis Nichols, 1929

CRUSTACEA

Lernaea cyprinacea cyprinacea
L., 1758⁽⁵²⁴⁾

ICHTHYOSPOREA

Sphaerothecum destruens
Arkush, Mendoza, Adkison &
Hedrick, 2003⁽⁵⁴¹⁾

***Rhodeus amarus* (Bloch, 1782)
(European bitterling)**

Synonym: *Cyprinus amarus* Bloch,
1782, *Rhodeus genitalis* Walecki,
1863, *R. lucinae* Walecki, 1863,
Rhodeus sericeus amarus (Bloch,
1782)

MONOGENEA

Dactylogyrus bicornis
Malevitskaja, 1941⁽²⁹³⁾⁽³¹⁶⁾
Paradiplozoon homoion
(Bychowsky & Nagibina,
1959⁽³¹⁶⁾)
Diplozoon paradoxum von
Nordmann, 1832⁽³⁷⁴⁾

TREMATODA

Clinostomum complanatum
(Rudolphi, 1814) Braun,
1899⁽³¹⁶⁾

CESTODA

Ligula intestinalis (Linnaeus,
1758) Gmelin, 1790⁽⁴⁷⁸⁾

***Rutilus frisii* (Nordmann, 1840)
(Kutum)**

Synonym: *Cyprinus wiresuba*
Güldenstädt, 1791, *Gardonus*
wyrozub Walecki, 1863, *Leuciscus*
frisii Nordmann, 1840, *Leuciscus*
frisii caspius Lönnberg, 1900,

Leuciscus frisii kutum Kamensky, 1901, *Rutilus frisii kutum* (Kamensky, 1901), *Rutilus frisii velezensis* Chichkoff, 1932

MONOGENEA

Dactylogyrus crucifer Wagener, 1857⁽³²⁷⁾

Dactylogyrus frisii Bychowsky, 1933⁽²⁹³⁾

Dactylogyrus nybelini Markevich, 1933⁽²⁹³⁾

CESTODA

Bothriocephalus acheilognathi Yamaguti, 1934⁽⁴³⁸⁾

Caryophyllaeus laticeps (Pallas, 1781) Lühe, 1910⁽³²⁷⁾

NEMATODA

Capillaria sp.⁽⁴³⁸⁾

ACANTHOCEPHALA

Neoechinorhynchus (*Neoechinorhynchus*) *rutili* (Müller, 1780) Hamann in Stiles & Hassall, 1905⁽³²⁷⁾

***Rutilus rutilus* (L., 1758) (Roach)**

Synonym: *Cyprinus fulvus* Vallot, 1837, *C. jaculus* Jurine, 1825, *C. lacustris* Pallas, 1814, *C. pigus* Gronow, 1854, *C. rubellio* Leske, 1774, *C. rutilus* Linnaeus, 1758, *C. ruttilus* Linnaeus, 1758 (misspelling), *C. simus* Hermann, 1804, *C. xanthopterus* Vallot, 1837, *Gardonus pigulus* Bonaparte, 1841, *G. ruboculus* Walecki, 1863, *G. rutilus* (Linnaeus, 1758), *Leuciscus decipiens* Agassiz, 1835, *L. jurinii* Dybowski, 1862, *L. lividus* Heckel, 1843, *L. pallens* Blanchard, 1866, *L. pausingeri* Heckel, 1843, *Leuciscus pigus*: (accepted, alternate representation), *L. pigus dojranensis* Karaman, 1928, *L. prasinus* Agassiz, 1835, *L. rutiloides* Selys-Longchamps, 1842, *L. rutilus* (Linnaeus, 1758), *L. rutilus aurata* Fatio, 1882, *L. rutilus auratus* Yakovlev, 1873, *L. rutilus bolmensis* Malm, 1877, *L. rutilus communis*

Rossikov, 1895, *L. rutilus communis* Yakovlev, 1873, *L. rutilus crassa* Fatio, 1882, *L. rutilus daugawensis* Dybowski, 1862, *L. rutilus elata* Fatio, 1882, *L. rutilus elongata* Fatio, 1882, *L. rutilus erytraea* Antipa, 1909, *L. rutilus fluvialis* Yakovlev, 1873, *L. rutilus terekensis* Rossikov, 1895, *L. rutilus vobla* Dikson, 1909, *L. rutilus wobla* Grimm, 1896, *L. selysii* Selys-Longchamps, 1842, *Leucos cenisophius* Bonaparte, 1841, *Leucos cenisophius* Bonaparte, 1845, *Leucos pigulus* Bonaparte, 1845, *Rutilus rutilus aralensis* Berg, 1916, *R. rutilus aralensis natio phragmiteti* Berg, 1932, *R. rutilus bucharensis* Nikolskii, 1933, *R. rutilus carpathorossicus* Vladykov, 1930, *R. rutilus caspicus natio geoktshaicus* Barach, 1941, *R. rutilus caspicus natio knipowitschi* Pravdin, 1927, *R. rutilus caspicus natio kurensis* Berg, 1932, *R. rutilus caspicus natio tscharchalensis* Berg, 1932, *R. rutilus frici* Misik, 1957, *R. rutilus goplensis* Stangenberg, 1938, *R. rutilus lacustris* Pallas, 1814, *R. rutilus lacustris natio menschikowi* Kirillov, 1962, *R. rutilus mariza* Drensky, 1926, *R. rutilus rutilus* (Linnaeus, 1758), *R. rutilus schelkovnikovi* Derjavin, 1926, *R. rutilus sucharensis* Stangenberg, 1938, *R. rutilus uzboicus* Berg, 1932, *R. rutilus vegariticus* Stephanidis, 1950, *R. vegariticus* Stephanidis, 1950

EUGLENOZOA

Cryptobia tincae⁽⁵⁴²⁾

CILIOPHORA

Trichodina sp.⁽²⁷⁶⁾⁽²⁷⁸⁾

MONOGENEA

Dactylogyrus cornu Linstow, 1878⁽³⁹⁾

Dactylogyrus cornoides Gläser & Gusev, 1967⁽³⁹⁾

Dactylogyrus crucifer Wagener, 1857⁽³⁹⁾⁽²⁸¹⁾⁽²⁸⁹⁾⁽²⁹³⁾⁽³¹⁹⁾⁽³²⁵⁾⁽³²⁸⁾⁽³²⁹⁾⁽³³⁰⁾⁽³³¹⁾⁽³³²⁾

Dactylogyrus sphyrna Linstow, 1878⁽³⁹⁾⁽²⁸¹⁾⁽²⁸⁸⁾⁽²⁸⁹⁾⁽²⁹³⁾⁽³²⁸⁾⁽³²⁹⁾

Dactylogyrus vistulae Prost,
1957⁽³⁹⁾⁽²⁹³⁾⁽³²⁹⁾

Dactylogyrus sp.⁽²⁷⁶⁾⁽²⁷⁸⁾

Diplozoon paradoxum von
Nordmann, 1832⁽³⁷⁴⁾

Paradiplozoon homoion
(Bychowsky & Nagibina,
1959⁽³¹⁹⁾⁽³²⁸⁾⁽⁴⁰³⁾)

TREMATODA

Aspidogaster limacoides
Diesing, 1835⁽²⁸⁸⁾⁽³²⁹⁾⁽⁴⁰⁴⁾

Clinostomum complanatum
(Rudolphi, 1814) Braun, 1899⁽³⁹⁾

Diplostomum spathaceum
(Rudolphi, 1819) Olsson,
1876⁽²⁸⁸⁾⁽³³⁰⁾⁽⁴⁰⁴⁾

Diplostomum sp.⁽³⁹⁾⁽²⁸¹⁾⁽³²⁹⁾

Opisthorchis felineus (Rivolta,
1884) Blanchard, 1895⁽³⁷⁴⁾

Posthodiplostomum cuticola
Nordmann, 1832⁽²⁸⁸⁾⁽⁴⁰⁴⁾

Tylodelphys clavata (von
Nordmann, 1832) Diesing,
1850⁽³⁹⁾⁽²⁸¹⁾⁽²⁸⁸⁾⁽³²⁹⁾⁽⁴⁰⁴⁾

NEMATODA

Eustrongylides excisus
Jägerskiöld, 1909⁽²⁷⁸⁾

Eustrongylides sp.⁽³³⁰⁾⁽³³²⁾

Contracaecum sp.⁽³³⁰⁾⁽³³²⁾

CESTODA

Bothriocephalus acheilognathi
Yamaguti, 1934⁽³³⁰⁾⁽³³²⁾

Caryophyllaeides fennica
(Schneider, 1902)⁽³¹⁹⁾

Caryophyllaeus laticeps (Pallas,
1781) Lühe, 1910⁽²⁷⁸⁾⁽³²⁸⁾⁽⁴⁴⁸⁾

Ligula intestinalis (Linnaeus,
1758) Gmelin, 1790⁽³¹⁹⁾⁽⁴⁴⁸⁾⁽⁴⁶⁹⁾

ANNELIDA

Piscicola geometra (Linnaeus,
1761)⁽²⁸⁸⁾⁽³²⁹⁾⁽⁵³⁸⁾

Ergasilus sp.⁽²⁷⁸⁾

MOLLUSCA

Anodonta cygnea (Linnaeus,
1758)⁽²⁸⁸⁾

Glochidia larvae⁽³⁹⁾⁽²⁷⁸⁾⁽³²⁹⁾

Sarmarutilus rubilio
(Bonaparte, 1837)

Synonym: *Leuciscus rubilio*
Bonaparte, 1837, *Rutilus rubilio*

(Bonaparte, 1837), *Rutilus rubilio*
rubilio (Bonaparte, 1837), *Leuciscus*
rubella Bonaparte, 1837, *L.*
trasimenicus Bonaparte, 1837, *L.*
fucini Bonaparte, 1838, *L. lascha*
Costa, 1838, *L. Sardella*
Valenciennes, 1844, *Leucos henlei*
Bonaparte, 1846, *Rutilus italicus*
Calderoni, 1981

MONOGENEA

Dactylogyrus sphyrna Linstow,
1878⁽³⁷²⁾

NEMATODA

Eustrongylides sp.⁽³⁷²⁾

ACANTHOCEPHALA

Neoechinorhynchus
(*Neoechinorhynchus*) *rutili*
(Müller, 1780) Hamann in Stiles
& Hassall, 1905⁽³⁷²⁾

Scardinius erythrophthalmus
(L., 1758)
(Rudd)

Synonym: *Cyprinus caeruleus*
(Yarrell, 1837), *Cyprinus compressus*
Hollberg, 1822, *Cyprinus*
erythrophthalmus Linnaeus, 1758,
Cyprinus erythroptus Pallas, 1814,
Cyprinus fuscus Vallot, 1837,
Cyprinus scardula Nardo, 1827,
Leuciscus apollonitis Richardson,
1857, *Leuciscus caeruleus* Yarrell,
1837, *Leuciscus erythrophthalmus*
(Linnaeus, 1758), *Scardinius*
crocophthalmus Walecki, 1863,
Scardinius erithrophthalmus
(Linnaeus, 1758) (misspelling),
Scardinius eruthrophthalmus
(Linnaeus, 1758) (misspelling),
Scardinius erythrophthalmus achrus
Stephanidis, 1950, *Scardinius*
erythrophthalmus dojransensis Karan,
1924, *Scardinius erythrophthalmus*
racovitzae Müller, 1958, *Scardinius*
erythrophthalmus rutiloides
Vladykov, 1931, *Scardinius*
erythrophthalmus var. dojransensis
Karan, 1924, *Scardinius*
macrophthalmus Heckel & Kner,
1858, *Scardinius platizza* Heckel,

1845, *Scardinius scardafa ohridana*
Vladykov & Petit, 1930

CILIOPHORA

Trichodina sp.⁽²⁷⁵⁾⁽²⁷⁷⁾

MONOGENEA

Dactylogyrus difformis

Wagener, 1857⁽³⁷⁾⁽³⁹⁾⁽²⁷⁵⁾⁽²⁷⁷⁾⁽²⁸¹⁾
(288)(289)(293)(319)(325)(330)(333)(334)(335)
(336)(337)(338)

Dactylogyrus difformoides

Gläser & Gusev, 1967⁽³⁹⁾⁽²⁷⁷⁾⁽²⁸¹⁾
(293)(338)(339)

Dactylogyrus izjumovae Gusev,
1966⁽²⁹³⁾⁽³³⁹⁾

Dactylogyrus sphyrna Linstow,
1878⁽²⁹³⁾⁽³³⁸⁾

Paradiplozoon homoion

(Bychowsky & Nagibina,
1959)⁽³⁷⁾⁽²⁷⁵⁾⁽⁴⁰¹⁾

Diplozoon sp.⁽³³³⁾

Gyrodactylus sp.⁽³⁹⁾⁽²⁷⁵⁾

Paradiplozoon sp.⁽³³⁸⁾

TREMATODA

Echinochasmus sp.⁽²⁷⁵⁾

Ascocotyle sp.⁽²⁷⁵⁾

Asymphyiodora markewitschi

Kulakovskaya, 1947⁽³³⁰⁾⁽³³⁴⁾⁽³³⁵⁾
(336)(337)(430)

Diplostomum spathaceum

(Rudolphi, 1819) Olsson,
1876⁽²⁷⁵⁾⁽²⁸⁸⁾⁽³³⁰⁾⁽³³⁴⁾⁽³³⁵⁾⁽³³⁶⁾⁽³³⁷⁾
(339)(404)

Diplostomum sp.⁽³⁹⁾⁽²⁷⁷⁾⁽²⁸¹⁾⁽³³⁸⁾

Tylodelphys clavata (von
Nordmann, 1832) Diesing,
1850⁽³⁹⁾⁽²⁸¹⁾⁽²⁸⁸⁾⁽³³⁸⁾⁽³³⁹⁾⁽⁴⁰⁴⁾

Posthodiplostomum cuticola
(von Nordmann, 1832) Dubois,
1936⁽³⁹⁾⁽²⁸¹⁾⁽²⁸⁸⁾⁽³³⁸⁾⁽⁴⁰⁴⁾

Posthodiplostomum sp.⁽²⁷⁵⁾

Pseudodiplostomum sp.⁽²⁷⁵⁾

Clinostomum complanatum

(Rudolphi, 1814) Braun,
1899⁽³⁹⁾⁽²⁸¹⁾⁽³³⁸⁾

Ichthyocotylurus variegatus

(Creplin, 1825) Odening,
1969⁽³³⁹⁾

Tetracotyle sp.⁽²⁷⁵⁾

CESTODA

Caryophyllaeides fennica
(Schneider, 1902)⁽³¹⁹⁾⁽⁴⁴⁸⁾

Ligula intestinalis (Linnaeus,
1758) Gmelin, 1790⁽³³⁵⁾⁽³³⁶⁾⁽³³⁷⁾
(339)

NEMATODA

Contracaecum sp.⁽²⁷⁵⁾⁽³³⁰⁾⁽³³³⁾

Eustrongylides excisus

Jägerskiöld, 1909⁽²⁷⁸⁾

Eustrongylides sp.⁽³³⁰⁾⁽³³⁵⁾⁽³³⁹⁾

Hysterothylacium sp.⁽³³⁴⁾⁽³³⁵⁾

Skrjabillanus scardinii Molnar,
1965⁽³³⁰⁾⁽³³⁵⁾

Rhabdochona sp.⁽⁴³⁰⁾

CRUSTACEA

Argulus foliaceus (L., 1758)⁽³³⁸⁾
(339)

Lamproglana pulchella

Nordmann, 1832⁽²⁸⁸⁾⁽³³⁸⁾⁽⁵²⁷⁾

Neergasilus japonicus (Harada,
1930)⁽³³⁸⁾⁽⁵¹⁸⁾⁽⁵¹⁹⁾

ANNELIDA

Piscicola geometra (Linnaeus,
1761)⁽²⁸⁸⁾⁽³³⁶⁾⁽³³⁷⁾⁽³³⁸⁾⁽³³⁹⁾⁽⁵⁴⁰⁾

CNIDARIA

Myxobolus sp.⁽²⁷⁷⁾

MOLLUSCA

Anodonta cygnea (Linnaeus,
1758)⁽²⁸⁸⁾

Glochidia larvae⁽³⁹⁾⁽²⁷⁶⁾⁽³³⁸⁾⁽³³⁹⁾

***Squalius carinus* Özuluğ & Freyhof,
2011
(Chocolate chub)**

Synonym: -

CILIOPHORA

Trichodina sp.⁽²⁵⁷⁾

Ichthyophthirius multifiliis

Fouquet, 1876⁽²⁵⁷⁾

Chilodonella cyprini (Moroff,
1902) Strand, 1928⁽²⁵⁷⁾

MONOGENEA

Dactylogyrus vistulae Prost,
1957⁽²⁵⁷⁾

Gyrodactylus sp.⁽²⁵⁷⁾

TREMATODA

Diplostomum sp.⁽²⁵⁷⁾

Tylodelphys clavata (von
Nordmann, 1832) Diesing,
1850⁽²⁵⁷⁾

CESTODA

Bothriocephalus acheilognathi
Yamaguti, 1955⁽²⁵⁷⁾

ACANTHOCEPHALA
Pomphorhynchus sp.⁽²⁵⁷⁾

CRUSTACEA
Lamproglana pulchella
Nordmann, 1832⁽²⁵⁷⁾
Lernaea cyprinaea cyprinacea
L., 1758⁽²⁵⁷⁾

MOLLUSCA
Glochidia larvae⁽²⁵⁷⁾

CNIDARIA
Myobolus sp.⁽²⁵⁷⁾

***Squalius cephalus* (L., 1758)
(Chub)**

Synonym: *Cyprinus albula* Nardo, 1827, *C. capito* Scopoli, 1786, *C. cephalus* Linnaeus, 1758 (basionim), *C. chub* Bonnaterre, 1788, *C. kietabeli* Reisinger, 1830, *Cyprinus kittabeli* Reisinger, 1830 (misspelling), *C. lugdunensis* Walbaum, 1792, *C. orthonotus* Hermann, 1804, *C. rufus* Vallot, 1837, *C. salmoneus* Gronow, 1854, *Leucalburnus kosswigi* (Karaman, 1972), *Leuciscus albiensis* Valenciennes, 1844, *L. albus* Bonaparte, 1838, *L. brutius* Costa, 1838, *L. cabeda* Risso, 1827, *L. cabeda pamvoticus* Stephanidis, 1939, *L. cavedanus* Bonaparte, 1838, *Leuciscus cephalus* (Linnaeus, 1758), *L. cephalus albus* Bonaparte, 1838, *L. cephalus cabeda* Risso, 1827, *L. cephalus cephalus* (Linnaeus, 1758), *L. cephalus macedonicus* Karaman, 1955, *L. cephalus moreoticus* Stephanidis, 1971, *L. cephalus orientalis* Nordmann, 1840, *L. cephalus orientalis natio aralychensis* Barach, 1934, *L. cephalus orientalis natio ardebilicus* Kirillov, 1958, *L. cephalus orientalis natio kaznakovi* Berg, 1912, *L. cephalus orientalis natio thracica* Drensky, 1930, *L. cephalus orientalis natio thracicus* Drensky, 1930, *L. cephalus orientalis natio zangicus* Barach, 1934, *L. cephalus ruffoi* Bianco & Recchia,

1983, *L. cephalus* var. *wjatkensis* Lukasch, 1925, *L. cephalus vardarensis* (Karaman, 1928), *L. cephalus wjatkensis* Lukasch, 1925, *L. chub pictava* De la Pylaie, 1835, *L. frigidus* Valenciennes, 1844, *L. latifrons* Nilsson, 1855, *L. nothulus* Bonaparte, 1841, *L. orientalis* Nordmann, 1840, *L. pamvoticus* Stephanidis, 1939, *L. peloponensis* Valenciennes, 1844, *L. rissoi* Schinz, 1840, *L. ruffoi* Bianco & Recchia, 1983, *L. squalius* Valenciennes, 1844, *L. svallize zрманjae natio risae* Vladykov & Petit, 1930, *Squalius albus* (Bonaparte, 1838), *S. cephalopsis* Heckel, 1843, *S. cephalus athurensis* Roule & Cardaillac de Saint-Paul, 1903, *S. cephalus cavedanus natio prespensis* Karaman, 1924, *S. cephalus vardarensis* Karaman, 1928, *S. clathratus* Blanchard, 1866, *S. meridionalis* Blanchard, 1866, *S. meunier* Heckel, 1852, *S. pareti* Bonaparte, 1841, *S. turcicus platycephala* Kamenskii, 1897, *S. turcicus* var. *platycephala* Kamenskii, 1897, *S. tyberinus* Bonaparte, 1841, *S. vardarensis* Karaman, 1928, *S. tyberinus* Bonaparte, 1841

MONOGENEA

Dactylogyrus elegantis Gusev, 1966⁽³⁰¹⁾
Dactylogyrus extensus Mueller & Van Cleave, 1932⁽²⁹⁶⁾
Dactylogyrus nanus Dogiel & Bychowsky, 1934⁽³¹⁷⁾⁽³⁷⁰⁾
Dactylogyrus naviculoides Ergens, 1960⁽²⁹⁰⁾⁽²⁹⁵⁾⁽³⁰³⁾
Dactylogyrus prostae Molnár, 1964⁽³⁰¹⁾
Dactylogyrus vistulae Prost, 1957⁽²⁹⁰⁾⁽²⁹⁵⁾⁽³⁰¹⁾⁽³⁰³⁾⁽³¹⁷⁾⁽³⁷⁰⁾⁽³⁷⁷⁾⁽³⁷⁸⁾⁽³⁷⁹⁾⁽³⁸⁰⁾⁽³⁸¹⁾⁽³⁸²⁾
Gyrodactylus prostae Ergens 1964⁽³⁸¹⁾⁽³⁹⁰⁾
Gyrodactylus scardiniensis Glaser, 1974⁽³⁸¹⁾⁽³⁹⁰⁾
Gyrodactylus sp.⁽³⁷⁹⁾

- Paradiplozoon homoion*
(Bychowsky & Nagibina, 1959)⁽²⁷⁸⁾
Paradiplozoon megan
(Bychowsky & Nagibina, 1959)
Achmerov, 1974⁽³¹⁷⁾⁽³⁷⁰⁾
- TREMATODA**
Allocreadium isoporum (Looss, 1894) Looss, 1900⁽²⁹⁹⁾⁽³¹⁷⁾⁽³⁸¹⁾
Diplostomum sp.⁽³⁷⁷⁾⁽³⁷⁸⁾⁽⁴⁰⁷⁾⁽⁴¹¹⁾
- CESTODA**
Biacetabulum appendiculatum (Szidat, 1972)⁽³⁷⁹⁾⁽³⁸⁰⁾⁽⁴⁴⁷⁾
Bothriocephalus acheilognathi Yamaguti, 1934⁽³¹⁷⁾⁽³⁷⁷⁾⁽³⁷⁸⁾⁽³⁷⁹⁾
(380)(439)(443)(445)
Bothriocephalus sp.⁽³⁸¹⁾
Caryophyllaeus brachycollis Janiszweska, 1953⁽³⁷⁹⁾⁽³⁸⁰⁾⁽⁴⁴⁷⁾
Caryophyllaeus laticeps (Pallas, 1781) Lühe, 1910⁽²⁷⁸⁾
Eustrongylides sp.⁽³⁷⁰⁾
Khawia armeniaca (Cholodkovsky, 1915) Shulman, 1958⁽⁴⁴³⁾
Ligula intestinalis (Linnaeus, 1758) Gmelin, 1790⁽²⁹⁵⁾⁽³⁷⁷⁾⁽³⁷⁸⁾
(457)(460)(462)(465)(470)(474)(476)(479)(481)
(482)(484)(486)
Proteocephalus sp.⁽⁴³⁹⁾
- NEMATODA**
Eustrongylides excisus Jägerskiöld, 1909⁽²⁷⁸⁾
Kalmanmolnaria intestinalis (Dogiel & Bychowsky, 1934)⁽²⁷³⁾
Philometra intestinalis Dogiel et Bykhovsky, 1934⁽²⁵⁶⁾
Philometra ovata (Zeder, 1803)⁽²⁹⁹⁾⁽⁴⁹⁷⁾⁽⁴⁹⁸⁾
Rhabdochona denudata (Dujardin, 1845) Railliet, 1916⁽³¹⁷⁾
- CRUSTACEA**
Argulus foliaceus (L., 1758)⁽³⁷⁹⁾
(380)(535)
Lernaea cyprinacea cyprinacea L., 1758⁽⁵²³⁾
Lamproglena sp.⁽²⁹⁵⁾
- ACANTHOCEPHALA**
Neoechinorhynchus (Neoechinorhynchus) rutili (Müller, 1780) Hamann in Stiles & Hassall, 1905⁽⁴⁸⁴⁾⁽⁵⁰⁸⁾
Pomphorhynchus laevis (Zoega in Müller, 1776) Porta, 1908⁽²⁹⁹⁾⁽³⁷⁷⁾⁽³⁷⁸⁾
Pomphorhynchus sp.⁽⁴²³⁾⁽⁵⁰⁰⁾
- MOLLUSCA**
Glochidia larvae⁽²⁷⁶⁾
***Squalius lepidus* Heckel, 1843**
Synonym: *Leuciscus lepidus* (Heckel, 1843), *Alburnus maculatus* Keyserling, 1861, *Alburnus doriae* (non De Filippi, 1865) (hatalı heceleme)
- NEMATODA**
Kalmanmolnaria intestinalis (Dogiel & Bychowsky, 1934)⁽²⁵⁶⁾⁽³⁵⁶⁾
***Squalius* sp.**
Synonym: -
- CRUSTACEA**
Argulus foliaceus (L., 1758)⁽³⁷⁴⁾
***Tinca tinca* (L., 1758) (Tench)**
Synonym: *Cyprinus tinca* Linnaeus, 1758, *C. tinca auratus* Bloch, 1782, *C. tincauratus* Bloch, 1782, *C. tincaurea* Shaw, 1804, *C. zeelt* Lacepède, 1803, *Tinca aurea* Gmelin, 1788, *T. chrysitis* Fitzinger, 1832, *T. communis* Swainson, 1839, *T. italica* Bonaparte, 1836, *T. limosa* Koch, 1840, *T. linnei* Malm, 1877, *T. vulgaris* Fleming, 1828, *T. vulgaris cestellae* Segre, 1904, *T. vulgaris maculata* Costa, 1838
- CILIOPHORA**
Trichodina domerguei (Wallengren, 1897)⁽²⁵⁶⁾
Trichodina nigra Lom, 1960⁽²⁵⁶⁾
Trichodinella sp.⁽²⁵⁶⁾
- EUGLENOZOA**
Trypanoplasma sp.⁽²⁵⁶⁾

- Trypanosoma* sp.⁽²⁵⁶⁾
MONOGENEA
Dactylogyrus macracanthus
 Wegener, 1910⁽²⁸⁸⁾⁽²⁸⁹⁾⁽²⁹³⁾⁽³⁶¹⁾⁽³⁶²⁾⁽³⁶³⁾⁽³⁶⁴⁾
Dactylogyrus sphyrna Linstow, 1878⁽²⁷⁰⁾⁽²⁷¹⁾
Dactylogyrus sp.⁽²⁵⁶⁾⁽²⁵⁸⁾⁽³⁸⁴⁾
Gyrodactylus medius Kathariner, 1895⁽³⁸⁹⁾
TREMATODA
Asymphylodora tincae (Modeer, 1790) Lühse, 1909⁽²⁷⁰⁾⁽²⁷¹⁾⁽²⁸⁸⁾⁽³³⁶⁾⁽³⁶¹⁾⁽³⁶²⁾⁽³⁶³⁾⁽³⁶⁴⁾⁽³⁶⁶⁾⁽³⁸⁴⁾⁽³⁸⁹⁾⁽⁴⁰⁴⁾⁽⁴³¹⁾⁽⁴³²⁾⁽⁴³³⁾⁽⁴³⁴⁾⁽⁴³⁵⁾
Diplostomum spathaceum (Rudolphi, 1819) Olsson, 1876⁽²⁸⁸⁾⁽³⁶²⁾⁽⁴⁰⁴⁾
Diplostomum sp.⁽³⁶³⁾⁽³⁶⁴⁾
Tylodelphys clavata (von Nordmann, 1832) Diesing, 1850⁽²⁸⁸⁾⁽³⁶²⁾⁽⁴⁰⁴⁾
Digenea gen. sp.⁽³⁸⁵⁾
NEMATODA
Eustrongylides sp.⁽³⁸⁴⁾
CESTODA
Bothriocephalus acheilognathi Yamaguti, 1955⁽³³⁶⁾⁽³⁶³⁾⁽³⁶⁴⁾⁽³⁶⁶⁾⁽³⁸⁵⁾⁽³⁸⁹⁾⁽⁴³³⁾⁽⁴³⁵⁾
Caryophyllaeus laticeps (Pallas, 1781) Lühse, 1910⁽³³⁶⁾⁽³⁶³⁾⁽³⁶⁴⁾⁽³⁶⁶⁾⁽³⁸⁹⁾⁽⁴³³⁾⁽⁴³⁵⁾
Ligula intestinalis Linnaeus, 1758⁽³³⁶⁾⁽³⁶⁶⁾⁽³⁸⁵⁾⁽³⁸⁹⁾⁽⁴³³⁾⁽⁴³⁴⁾⁽⁴³⁵⁾⁽⁴⁶⁸⁾⁽⁴⁷³⁾⁽⁴⁷⁷⁾⁽⁴⁸⁰⁾⁽⁴⁸⁵⁾
Ligula sp.⁽⁴³²⁾⁽⁴⁸⁹⁾
Proteocephalus torulosus (Batsch, 1786⁽³³⁶⁾⁽³⁶⁶⁾⁽³⁸⁹⁾⁽⁴³³⁾⁽⁴³⁵⁾
CRUSTACEA
Argulus foliaceus (L., 1758)⁽²⁵⁶⁾⁽³⁶¹⁾⁽⁵³³⁾
Ergasilus sieboldi (Nordmann, 1832)⁽³⁶¹⁾⁽³⁶³⁾⁽³⁶⁴⁾
Ergasilus sp.⁽²⁵⁶⁾
Lernaea cyprinacea cyprinacea L., 1758⁽²⁵⁶⁾⁽²⁷⁰⁾⁽²⁷¹⁾⁽⁵²⁴⁾
ACANTHOCEPHALA
Acanthocephalus anguillae (Müller, 1780) Lühse, 1911⁽³⁶⁶⁾⁽⁴³³⁾
Acanthocephalus lucii (Mueller, 1776) Lühse 1911⁽³⁶¹⁾
Pomphorhynchus laevis (Zoega in Müller, 1776) Porta, 1908⁽⁴³²⁾⁽⁵¹³⁾⁽⁵¹⁴⁾
CNIDARIA
Myxobolus sp.⁽³⁸⁴⁾
Sphaerospora sp.⁽²⁵⁶⁾
ANNELIDA
Piscicola geometra (Linnaeus, 1761)⁽²⁸⁸⁾⁽³⁶¹⁾⁽³³⁶⁾⁽⁴³⁵⁾⁽⁵⁴⁰⁾
MOLLUSCA
Anodonta cygnea (Linnaeus, 1758)⁽²⁸⁸⁾
Glochidia larvae⁽³⁶²⁾⁽³⁶³⁾⁽³⁶⁴⁾
Varicorhinus sp.
CILIOPHORA
Ichthyophthirius multifiliis Fouquet, 1876⁽²⁵⁶⁾
Vimba vimba (L., 1758) (Vimba bream)
Synonym: *Abramis frivaldszkyi* Heckel, 1843, *Abramis nordmannii* Dybowski, 1862, *Abramis persa* pontica Yashchenko, 1895 (misspelling), *Abramis tenellus* Nordmann, 1840, *Abramis vimba* (Linnaeus, 1758), *Cyprinus carinatus* Pallas, 1814, *Cyprinus persa* Pallas, 1814, *Cyprinus sarta* Shaw, 1804, *Cyprinus vimba* Linnaeus, 1758, *Cyprinus vimpa* Strøm, 1784, *Cyprinus zerta* Leske, 1774, *Leuciscus parvulus* Valenciennes, 1844, *Vimba vimba bergi* Velikokhatko, 1940, *Vimba vimba carinata* (Pallas, 1814), *Vimba vimba persa* (Pallas, 1814), *Vimba vimba tenella* (Nordmann, 1840), *Vimba vimba tenella natio abulyontis* Battalgil, 1941, *Vimba vimba tenella natio aphnitis* Battalgil, 1941, *Vimba vimba tenella natio istanbulensis* Battalgil, 1941, *Vimba vimba tenella natio karasuensis* Tseeb & Delyanure, 1938, *Vimba vimba tenella natio sapancae* Battalgil, 1941, *Vimba vimba vimba* (Linnaeus, 1758), *Vimba vimba vimba natio borysthenica* Velikokhatko, 1940

CILIOPHORA

Apiosoma sp.⁽³⁾⁽⁴⁾

Scyphida sp.⁽³⁾⁽⁴⁾

Trichodina sp.⁽³⁾⁽⁴⁾

MONOGENEA

Dactylogyrus chalcalburni

Dogiel & Bykhovskii, 1934⁽³⁷⁾
(321)

Dactylogyrus cornu Linstow,
1878⁽²⁹³⁾⁽³¹⁹⁾⁽³²²⁾⁽³²⁴⁾⁽³²⁵⁾

Dactylogyrus cornoides Gläser
& Gusev, 1967⁽²⁹³⁾⁽³²²⁾

Dactylogyrus distinguendus
Nybelin, 1936⁽²⁷⁷⁾

Dactylogyrus extensus Mueller
& Van Cleave, 1932⁽³⁷⁾⁽³²¹⁾

Dactylogyrus haplogonoides
Gusse, 1966⁽³⁹⁾

Dactylogyrus sphyrna Linstow,
1878⁽²⁷⁷⁾⁽³²²⁾⁽³⁷³⁾

Dactylogyrus sp.⁽³⁾⁽⁴⁾⁽³⁹⁾⁽²⁹³⁾

Gyrodactylus sp.⁽²⁷⁷⁾

Paradiplozoon homoion
(Bychowsky & Nagibina,
1959)⁽³⁷⁾⁽³²¹⁾⁽⁴⁰¹⁾

Salsuginus sp.⁽³⁾⁽⁴⁾

TREMATODA

Aspidogaster limacoides

Diesing, 1835⁽³²²⁾

Echinochasmus sp.⁽³²¹⁾

Diplostomum spathaceum
(Rudolphi, 1819) Olsson,
1876⁽³²¹⁾⁽³⁷³⁾

Diplostomum sp.⁽³⁹⁾⁽²⁷⁷⁾⁽³²²⁾⁽³⁷³⁾

Neascus sp.⁽³²¹⁾

Tylodelphys clavata (von
Nordmann, 1832) Diesing,
1850⁽³⁹⁾⁽²⁷⁷⁾⁽³²¹⁾⁽³²²⁾⁽⁴¹⁸⁾

Posthodiplostomum cuticola
(von Nordmann, 1832) Dubois,
1936⁽³⁹⁾⁽²⁷⁷⁾⁽³²¹⁾⁽³²²⁾

Tetracotyle sp.⁽³²¹⁾⁽³²²⁾

CESTODA

Bothriocephalus acheilognathi
Yamaguti, 1934⁽³²¹⁾⁽⁴³⁷⁾

Caryophyllaeus laticeps (Pallas,
1781) Lühe, 1910⁽²⁷⁸⁾⁽³¹⁹⁾⁽³⁷³⁾⁽⁴⁴⁸⁾

Ligula intestinalis (Linnaeus,
1758) Gmelin, 1790⁽⁴⁶⁰⁾⁽⁴⁶¹⁾⁽⁴⁷⁷⁾

Ligula sp.⁽⁹⁵⁾

NEMATODA

Eustrongylides excisus

Jägerskiöld, 1909⁽²⁷⁸⁾

Eustrongylides sp.⁽³²¹⁾

Contracaecum sp.⁽³²¹⁾⁽³⁷³⁾

Spiroxys contortus (Rudolphi,
1819)⁽³²¹⁾

ACANTHOCEPHALA

Neoechinorhynchus

(*Neoechinorhynchus*) *rutili*
(Müller, 1780) Hamann in Stiles
& Hassall, 1905⁽³²²⁾

Neoechinorhynchus sp.⁽³²¹⁾

CRUSTACEA

Argulus foliaceus (Linnaeus,
1758)⁽³²²⁾

Ergasilus sieboldi (Nordmann,
1832)⁽³²²⁾

Ergasilus sp.⁽³⁾⁽⁴⁾

MOLLUSCA

Glochidia larvae⁽³²²⁾

FAMILY ESOCIDAE

***Esox lucius* L., 1758
(Northern pike)**

Synonym: *Esox boreus* Agassiz,
1850, *E. lucioides* Agassiz & Girard,
1850, *E. lucius atrox* Anikin, 1902, *E.*
lucius bergi Kaganowsky, 1933, *E.*
lucius lucius, *E. lucius lucius natio*
wiliunensis Kirillov, 1962, *E. lucius*
variegatus Fitzinger, 1832, *E.*
reichertii baicalensis Dybowski,
1874, *Luccius vorax* Rafinesque,
1810, *Lucius lucius* (Linnaeus, 1758),
Trematina foveolata Trautschold,
1884

MONOGENEA

Tetraonchus monenteron

(Wagener, 1857) Diesing,
1858⁽³⁹⁾⁽²⁷⁸⁾⁽²⁸¹⁾⁽²⁸⁸⁾⁽²⁸⁹⁾⁽²⁹³⁾⁽³¹⁷⁾⁽³⁴⁸⁾
(393)(394)(395)

Tetraonchus sp.⁽²⁵⁸⁾⁽³⁸⁵⁾

TREMATODA

Asymphyllodora tincae (Modeer,
1790) Lühe, 1909⁽²⁵⁶⁾

Bucephalus polymorphus von
Baer, 1827⁽²⁸⁸⁾⁽⁴⁰⁴⁾

Diplostomum spathaceum
(Rudolphi, 1819) Olsson,
1876⁽²⁸⁸⁾⁽³⁹⁵⁾⁽⁴⁰⁴⁾
Diplostomum sp.⁽³⁹⁾⁽²⁸¹⁾
Diplodiscus subclavatus (Pallas,
1760)⁽³⁹⁴⁾
Diplodiscus sp.⁽³⁹³⁾
Posthodiplostomum
brevicaudatum (von Nordmann,
1832) Wisniewski, 1958⁽⁴¹⁹⁾
Rhipidocotyle fennica Gibson,
Taskinen & Valtonen, 1992⁽³⁹⁴⁾
Rhipidocotyle sp.⁽³⁹³⁾
Tylodelphys clavata (von
Nordmann, 1832) Diesing,
1850⁽³⁹⁾⁽²⁸¹⁾⁽²⁸⁸⁾⁽⁴⁰⁴⁾

CESTODA

Bathybothrium rectangulum
(Bloch, 1782) Lühe, 1902⁽⁴⁵⁴⁾⁽⁴⁵⁵⁾
Bothriocephalus sp.⁽²⁵⁸⁾
Ligula intestinalis (Linnaeus,
1758) Gmelin, 1790⁽²⁵⁶⁾
Ligula sp.⁽²⁵⁸⁾
Triaenophorus crassus Forel,
1868⁽²⁸⁸⁾⁽⁴⁰⁴⁾

NEMATODA

Camallanus truncatus Rudolphi,
1814⁽⁴⁵⁴⁾⁽⁴⁵⁵⁾
Raphidascaris (*Raphidascaris*)
acus (Boch, 1779)⁽²⁷⁶⁾⁽²⁷⁸⁾⁽²⁸⁸⁾⁽³³³⁾
^{(392)(394)(395)(454) (455)(503)}
Raphidascaris sp.⁽⁴⁹⁹⁾

ACANTHOCEPHALA

Acanthocephalus anguillae
(Müller, 1780) Lühe, 1911⁽³⁹³⁾
⁽³⁹⁴⁾
Acanthocephalus lucii (Müller,
1776) Lühe, 1911⁽⁵⁰³⁾
Neoechinorhynchus
(*Neoechinorhynchus*) *rutili*
(Müller, 1780) Hamann in Stiles
& Hassall, 1905⁽²⁸⁸⁾⁽⁴⁵⁴⁾⁽⁴⁵⁵⁾
Neoechinorhynchus sp.⁽³⁹⁾⁽²⁸¹⁾
Pomphorhynchus laevis (Zoega
in Müller, 1776) Porta, 1908⁽²⁵⁶⁾

CRUSTACEA

Argulus foliaceus (L., 1758)⁽³⁹³⁾
⁽³⁹⁴⁾⁽⁵³⁴⁾
Ergasilus sieboldi (Nordmann,
1832)⁽³³³⁾
Lernaea cyprinaea cyprinaea
Linnaeus, 1758⁽²⁸⁸⁾

ANNELIDA

Helobdella stagnalis (Linnaeus,
1758)⁽⁴⁹⁹⁾
Hemicleipsis marginata (O. F.
Müller, 1773)⁽⁴⁹⁹⁾
Hirudo medicinalis Linnaeus,
1758⁽⁴⁹⁹⁾
Piscicola geometra Linnaeus,
1761⁽²⁸⁸⁾

MOLLUSCA

Glochidia larvae⁽²⁷⁶⁾

FAMILY GOBIIDAE

Knipowitschia caucasica
(Berg, 1916)
(Caucasian dwarf goby)

Synonym: *Bubyr causicus*
kosswigii Sözer, 1941, *Gobius*
causicus Kavraisky, 1899, *Gobius*
lencoranicus Kessler, 1877,
Pomatoschistus causicus Berg,
1916

TREMATODA

Bucephalus polymorphus von
Baer, 1827⁽⁴²⁹⁾

Neogobius fluviatilis
(Pallas, 1814)
(Monkey goby)

Synonym: *Apollonia fluviatilis*
(Pallas, 1814) *Gobius fluviatilis nigra*
Kessler, 1859, *Gobius sordidus*
Bennett, 1835, *Gobius steveni*
Nordmann, 1840, *Gobius stevenii*
Nordmann, 1840, *Neogobius*
fluviatilis fluviatilis (Pallas, 1814)

MONOGENEA

Gyrodactylus gobii Schulman,
1953⁽³⁸⁷⁾

NEMATODA

Eustrongylides excisus
Jägerskiöld, 1909⁽³¹⁹⁾⁽³⁸⁷⁾⁽⁴⁸⁸⁾

CESTODA

Bothriocephalus acheilognathi
Yamaguti, 1934⁽³⁸⁷⁾
Ligula pavlovskii Dubinina,
1959^{(319)(387) (488)}

FAMILY MASTACEMBELIDAE

Mastacembelus mastacembelus (Banks & Solander, 1794) (Euphrates spiny eel)

Synonym: *Ophidium mastacembelus*
Banks & Solander, 1794, *Ophidium*
simack Walbaum, 1792,
Rhynchobdella haleppensis Bloch &
Schneider, 1801
MONOGENEA

Mastacembelocleidus
heteranchorus (Kulkarni,
1969)⁽²⁸⁴⁾⁽²⁸⁵⁾

TREMATODA

Diplostomum spathaceum
(Rudolphi, 1819) Olsson,
1876⁽²⁸⁵⁾

CESTODA

Senga mastacembeli Rahemo,
1996⁽²⁸⁴⁾

CRUSTACEA

Argulus foliaceus (L., 1758)⁽⁵³⁰⁾

MOLLUSCA

Glochidia larvae⁽²⁸⁵⁾

FAMILY MUGILIDAE

Planiliza abu (Heckel, 1843) (Abu mullet)

Synonym: *Liza abu* (Heckel, 1843),
Mugil abu Heckel, 1843, *Mugil*
hashni Misra, 1943 (hatalı heceleme),
Mugil hishni Misra, 1943

CRUSTACEA

Argulus foliaceus (L., 1758)⁽⁵³⁰⁾
Ergasilus mosulensis Rahemo,
1982⁽⁵¹⁶⁾

Planiliza haematocheila (Temminck & Schlegel, 1845) (So-iuy mullet)

Synonym: *Chelon haematocheilus*
(Temminck & Schlegel, 1845), *Liza*
borealis Popov, 1930, *Liza*
haematocheila (Temminck &
Schlegel, 1845), *Liza haematocheilus*
(Temminck & Schlegel, 1845)
(misspelling), *Liza haematochila*
(Temminck & Schlegel, 1845)
(misspelling), *Liza joyneri borealis*
Popov, 1930, *Liza menada* Tanaka,
1916, *Liza menada borealis* Popov,
1930, *Liza so-iuy* (Basilewsky, 1855)
(hatalı heceleme), *Mugil*
haematocheilus Temminck &
Schlegel, 1845, *Mugil soiuy*
Basilewsky, 1855, *Mugil so-iuy*
Basilewsky, 1855 (misspelling)

CRUSTACEA

Ergasilus lizae Kroyer 1863⁽¹⁴⁹⁾

ACANTHOCEPHALA

Neoechinorhynchus
(*Neoechinorhynchus*) *rutili*
(Müller, 1780) Hamann in Stiles
& Hassall, 1905⁽²⁷⁶⁾

FAMILY NEMACHEILIDAE

Nemacheilus sp.

Synonym: -

NEMATODA

Rhabdochona denudata
(Dujardin, 1845) Railliet,
1916⁽⁴⁴⁴⁾

ACANTHOCEPHALA

Pomphorhynchus laevis (Zoega
in Müller, 1776) Porta, 1908⁽²⁹⁹⁾

FAMILY PERCIDAE

Perca fluviatilis L., 1758 (European perch)

Synonym: *Perca fluviatilis aurea*
Smitt, 1893, *P. fluviatilis gibba* Smitt,
1893, *P. fluviatilis gracilis*
Pokrovsky, 1951, *P. fluviatilis*
intermedius Svetovidov & Dorofeeva,

1963, *P. fluviatilis macedonica*
Karaman, 1924, *P. fluviatilis maculata* Smitt, 1893, *P. fluviatilis nigrescens* Heckel, 1837, *P. fluviatilis phragmiteti* Berg, 1933, *P. fluviatilis zaissanica* Dianov, 1955, *Perca fluviatilis* Linnaeus, 1758 (misspelling), *P. helvetica* Gronow, 1854, *P. italica* Cuvier, 1828, *P. vulgaris* Schaeffer, 1761, *P. vulgaris* Schrank, 1792, *P. vulgaris* Fitzinger, 1832, *P. vulgaris aurata* Fitzinger, 1832

MONOGENEA

Gyrodactylus sp.⁽²⁸¹⁾⁽³⁹²⁾

TREMATODA

Clinostomum complanatum
(Rudolphi, 1814) Braun, 1899⁽³⁹⁾
(281)(392)

Tetracotyle sp.⁽²⁸¹⁾⁽³⁹²⁾
Tylodelphys clavata (von Nordmann, 1832) Diesing, 1850⁽³⁹⁾⁽²⁸¹⁾⁽³⁹²⁾

Diplostomum sp.⁽³⁹⁾⁽³⁹²⁾

CESTODA

Bothriocephalus acheilognathi
Yamaguti, 1934⁽³⁹⁾
Proteocephalus percae (Müller, 1780)⁽³⁹⁾⁽²⁸¹⁾⁽³⁹²⁾

NEMATODA

Eustrongylides excisus
Jägerskiöld, 1909⁽³⁹⁾⁽²⁷⁸⁾⁽²⁸¹⁾⁽³⁹²⁾

ACANTHOCEPHALA

Acanthocephalus anguillae
(Müller, 1780)⁽³⁹⁾
Acanthocephalus sp.⁽³⁹⁾

MOLLUSCA

Glochidia larvae⁽³⁹⁾⁽³⁹²⁾

***Sander lucioperca* L., 1758 (Pike-perch)**

Synonym: *Centropomus sandat*
Lacepède, 1802, *Lucioperca linnei*
Malm, 1877, *L. lucioperca* (Linnaeus, 1758), *Lucioperca sandra* Cuvier, 1828, *Perca (Stizostedion) lucioperca* (Linnaeus, 1758), *P. lucioperca* Linnaeus, 1758, *Stizostedion lucioperca* (Linnaeus, 1758), *Stizostedion luciperca* (Linnaeus,

1758) (misspelling), *Stizostedion lucioperca* (Linnaeus, 1758) (misspelling)

CILIOPHORA

Trichodina domergei
Wallengren, 1897⁽²⁷⁰⁾⁽²⁷¹⁾
Trichodina heterodontata
Duncan, 1977⁽¹⁸⁾
Trichodina luciopercae Lom, 1970⁽¹⁸⁾

MONOGENEA

Ancyrocephalus paradoxus
Creplin, 1839⁽³⁷⁾⁽³⁹⁾⁽²⁸¹⁾⁽²⁸²⁾
Dactylogyrus sphyrna Linstow, 1878⁽²⁷⁰⁾⁽²⁷¹⁾
Gyrodactylus sp.⁽²⁸¹⁾

TREMATODA

Bucephalus polymorphus von Baer, 1827⁽⁴²⁷⁾⁽⁴²⁸⁾
Tylodelphys clavata (von Nordmann, 1832) Diesing, 1850⁽²⁸²⁾⁽⁴¹⁸⁾
Clinostomum complanatum
(Rudolphi, 1814) Braun, 1899⁽²⁸¹⁾
Diplostomum sp.⁽²⁸¹⁾
Tetracotyle sp.⁽²⁸¹⁾

CESTODA

Bothriocephalus acheilognathi
Yamaguti, 1934⁽²⁸²⁾⁽⁴³⁷⁾
Proteocephalus percae (Müller, 1780)⁽²⁸¹⁾

NEMATODA

Eustrongylides excisus
Jägerskiöld, 1909⁽²⁸¹⁾⁽⁴⁹¹⁾⁽⁴⁹²⁾
Eustrongylides sp.⁽⁴⁹³⁾
Camallanus truncatus Rudolphi, 1814⁽²⁸²⁾

FAMILY SALMONIDAE

***Salmo trutta* L., 1758 (Sea trout)**

Synonym: *Fario argenteus*
Valenciennes, 1848, *Salar ausonii*
Valenciennes, 1848, *S. ausonii parcepunctata* Heckel & Kner, 1858, *S. ausonii semipunctata* Heckel & Kner, 1858, *S. ausonii* var. *parcepunctata* Heckel & Kner, 1858,

S. ausonii var. *semipunctata* Heckel & Kner, 1858, *S. bailloni* Valenciennes, 1848, *S. gaimardi* Valenciennes, 1848, *S. spectabilis* Valenciennes, 1848, *Salmo albus* Walbaum, 1792, *Salmo albus* Bonnaterre, 1788, *S. brachypoma* Günther, 1866, *S. caecifer* Parnell, 1838, *S. cambricus* Donovan, 1806, *S. cornubiensis* Walbaum, 1792, *S. cumberland* Lacepède, 1803, *S. eriox* Linnaeus, 1758, *S. estuarius* Knox, 1855, *S. fario* Linnaeus, 1758, *S. fario loensis* Walbaum, 1792, *S. fario major* Walecki, 1863, *S. fario* var. *forestensis* Bloch & Schneider, 1801, *S. faris*, *Salmo faris forestensis* Bloch, 1801, *S. gadoides* Lacepède, 1803, *S. gallivensis* Günther, 1866, *S. illanca* Wartmann, 1783, *S. islayensis* Thomson, 1873, *S. lacustris* Linnaeus, 1758, *S. lacustris rhenana* Fatio, 1890, *S. lacustris romanovi* Kawraisky, 1896, *S. lacustris septentrionalis* Fatio, 1890, *S. lemanus* Cuvier, 1829, *S. levenensis* Yarrell, 1839, *S. mistops* Günther, 1866, *S. montana* Walker, 1812, *S. orcadensis* Günther, 1866, *S. orientalis* McClelland, 1842, *S. oxianus* Kessler, 1874, *S. phinoc* Shaw, 1804, *S. polyosteus* Günther, 1866, *S. rappii* Günther, 1866, *S. saxatilis* Schrank, 1798, *S. spurius* Pallas, 1814, *S. stroemii* Gmelin, 1789, *S. sylvaticus* Gmelin, 1789, *S. taurinus* Walker, 1812, *S. trutta aralensis* Berg, 1908, *S. trutta ciscaucasicus* Dorofeyeva, 1967, *S. truttula* Nilsson, 1832, *S. venernensis* Günther, 1866, *Trutta marina* Moreau, 1881, *Trutta salmanata* Strøm, 1784, *Trutta variabilis* Lunel, 1874

TREMATODA

Creptotrema sp.⁽⁴²⁶⁾
Posthodiplostomum minimum (MacCallum, 1921) Dubois, 1936⁽²⁸³⁾

NEMATODA

Contracaecum sp.⁽⁴²⁶⁾

Rhabdochona denudata (Dujardin, 1845) Railliet, 1916⁽⁴⁴⁴⁾

CESTODA

Philonema sp.⁽⁴²⁶⁾

ACANTHOCEPHALA

Acanthocephalus sp.⁽⁴²⁶⁾
Neochinorhynchus sp.⁽²⁸³⁾

ANNELIDA

Piscicola respirans Troschel, 1850⁽³⁷⁴⁾

***Salvelinus fontinalis* (Mitchill, 1814) (Brook trout)**

Synonym: *Baione fontinalis* (Mitchill, 1814), *Salmo canadensis* Griffith & Smith, 1834, *Salmo fontinalis* Mitchill, 1814, *Salmo hudsonicus* Suckley, 1861, *Salvelinus fontinalis timagamiensis* Henn & Rinckenbach, 1925, *Salvelinus timagamiensis* Henn & Rinckenbach, 1925

TREMATODA

Crepidostomum farionis (Müller, 1780) Lühe, 1909⁽⁴²⁵⁾

FAMILY SILURIDAE

***Silurus glanis* L., 1758 (Wels catfish)**

Synonym: *Silurus glanis* Linnaeus, 1758 (misspelling), *Silurus glanis aralensis* Kessler, 1872, *Silurus silurus* Wulff, 1765

EUGLENOZOA

Trypanoplasma sp.⁽²⁵⁶⁾
Trypanosoma sp.⁽²⁵⁶⁾

MONOGENEA

Dactylogyrus sp.⁽²⁵⁶⁾
Thaparocleidus siluri (Zandt, 1924) Lim, 1996⁽³⁹⁾⁽²⁸¹⁾⁽²⁸⁸⁾⁽²⁸⁹⁾⁽²⁹⁰⁾⁽²⁹¹⁾⁽²⁹²⁾⁽²⁹³⁾⁽²⁹⁴⁾⁽²⁹⁵⁾
Thaparocleidus vistulensis (Sivak, 1932) Lim, 1996⁽³⁹⁾⁽²⁷⁶⁾⁽²⁷⁸⁾⁽²⁸¹⁾⁽²⁸⁸⁾⁽²⁸⁹⁾⁽²⁹⁰⁾⁽²⁹¹⁾⁽²⁹³⁾⁽²⁹⁵⁾
Cleidodiscus sp.⁽²⁸³⁾

TREMATODA

Bucephalus polymorphus von
Baer, 1827⁽²⁸⁸⁾⁽⁴⁰⁴⁾

Diplostomum spathaceum
(Rudolphi, 1819) Olsson,
1876⁽²⁸⁸⁾⁽⁴⁰⁴⁾

Diplostomum sp.⁽²⁸¹⁾⁽²⁹¹⁾

Tylodelphys clavata (von
Nordmann, 1832) Diesing,
1850⁽²⁸¹⁾⁽²⁸⁸⁾⁽⁴⁰⁴⁾

Orientocreadium siluri
(Bychowsky & Dubinina,
1954)⁽²⁸⁸⁾⁽⁴⁰⁴⁾

CESTODA

Bothriocephalus acheilognathi
Yamaguti, 1934⁽⁴⁴²⁾

Ligula intestinalis (Linnaeus,
1758) Gmelin, 1790⁽⁴⁶⁰⁾⁽⁴⁸⁷⁾

Ligula sp.⁽²⁹²⁾⁽²⁹⁴⁾

Glanitaenia osculata (Goeze,
1782)⁽²⁵⁶⁾⁽⁴⁴²⁾

Silurotaenia siluri (Batsch,
1786)⁽²⁸⁸⁾⁽²⁹¹⁾

NEMATODA

Contracaecum siluri-glandis
Von Lintsow, 1883⁽⁴⁴²⁾

Eustrongylides excisus
Jägerskiöld, 1909⁽²⁷⁸⁾⁽²⁹¹⁾

Eustrongylides sp.⁽²⁹⁴⁾

Raphidascaris acus (Bloch,
1779)⁽²⁸⁸⁾

CRUSTACEA

Argulus foliaceus (L., 1758)⁽²⁵⁶⁾
⁽²⁹¹⁾

Argulus sp.⁽²⁸³⁾

Ergasilus sp.⁽²⁵⁶⁾

Lernaea cyprinacea cyprinacea
Linnaeus, 1758⁽²⁸⁸⁾

ACANTHOCEPHALA

Pomphorhynchus laevis (Zoega
in Müller, 1776) Porta, 1908⁽²⁵⁶⁾
⁽²⁷⁶⁾

MOLLUSCA

Glochidia larvae⁽²⁷⁶⁾

Silurus triostegus Heckel, 1843
(Tigris catfish)

Synonym: -

MONOGENEA

Thaparocleidus vistulensis
(Sivak, 1932) Lim, 1996⁽²⁸⁴⁾

CESTODA

Postgangesia inarmata de
Chambrier, Al-Kallak and
Mariaux, 2003⁽²⁸⁴⁾

CRUSTACEA

Argulus foliaceus (L., 1758)⁽⁵³⁰⁾

Ergasilus mosulensis Rahemo,
1982⁽²⁸⁴⁾

**PARASITE – CULTURED MARINE
FISH HOST LIST**

PHYLUM CILIOPHORA

CLASS OLIGOHYMENOPHOREA

SUBCLASS PERITRICHIA ORDER PERITRICHIDA SUBORDER SESSILINA FAMILY EPISTYLIDIDAE

Apiosoma sp.

Synonym: -

Microhabitat: Gills

Host: *Sparus aurata*⁽⁵⁴³⁾⁽⁵⁴⁴⁾,
Dicentrarchus labrax⁽⁵⁴⁴⁾

Location: Aegean Sea, freshwater
pond⁽⁵⁴³⁾, off-shore cages⁽⁵⁴⁴⁾

Record: Akbaş (2011)⁽⁵⁴³⁾, Yavuzcan
Yıldız and Ötgücüoğlu (2018)⁽⁵⁴⁴⁾

Epistylis sp.

Synonym: -

Microhabitat: Skin

Host: *Dicentrarchus labrax*⁽⁵⁴⁴⁾,
Sparus aurata⁽⁵⁴⁴⁾, *Dentex dentex*
⁽⁵⁴⁵⁾⁽⁵⁴⁶⁾

Location: Aegean Sea, adaptation
units⁽⁵⁴⁵⁾, hatchery and rearing
units⁽⁵⁴⁶⁾, off-shore cages⁽⁵⁴⁴⁾

Record: Yavuzcan Yıldız and
Ötgücüoğlu (2018)⁽⁵⁴⁴⁾, Çilli
(2008)⁽⁵⁴⁵⁾, Tokşen and Çilli
(2010)⁽⁵⁴⁶⁾

Riboscyphida sp.

Synonym: -

Microhabitat: Gills

Host: *Dentex dentex*⁽⁵⁴⁵⁾⁽⁵⁴⁶⁾

Location: Aegean Sea, adaptation
units⁽⁵⁴⁵⁾, hatchery and rearing
units⁽⁵⁴⁶⁾

Record: Çilli (2008)⁽⁵⁴⁵⁾, Tokşen and
Çilli (2010)⁽⁵⁴⁶⁾

SUBORDER MOBILINA FAMILY TRICHODINIDAE

Trichodina sp.

Synonym: -

Microhabitat:

Host: *Dentex dentex*⁽⁵⁴⁵⁾⁽⁵⁴⁶⁾,
Scophthalmus maximus⁽⁵⁴⁷⁾, *Sparus*
aurata⁽⁵⁴⁸⁾

Location: Black Sea, culture
ponds⁽⁵⁴⁷⁾; Aegean Sea, cages⁽⁵⁴⁵⁾,
hatchery unit⁽⁵⁴⁸⁾, hatchery and rearing
units⁽⁵⁴⁶⁾

Record: Çilli (2008)⁽⁵⁴⁵⁾, Tokşen and
Çilli (2010)⁽⁵⁴⁶⁾, Çiftçi *et al.*
(2002)⁽⁵⁴⁷⁾, Tokşen (2004)⁽⁵⁴⁸⁾

SUBCLASS SCUTICOCILIATIA

Scuticociliata sp.

Synonym: -

Microhabitat: Skin, fins

Host: *Scophthalmus maximus*⁽⁵⁴⁷⁾

Location: Black Sea, fish tanks⁽⁵⁴⁷⁾

Record: Çiftçi *et al.* (2002)⁽⁵⁴⁷⁾

ORDER PHILASTERIDA

FAMILY PHILASTERIDAE

Miamiensis avidus Thompson & Moewus, 1964

Synonym: *Philasterides dicentrarchi*
Dragesco et Bouix, 1995

Microhabitat: Skin, fins

Host: *Scophthalmus maximus*⁽⁵⁴⁹⁾

Location: Black Sea, fish tanks⁽⁵⁴⁹⁾

Record: Kayış *et al.* (2011)⁽⁵⁴⁹⁾

FAMILY URONEMATIDAE

Uronema marinum Dujardin, 1841

Synonym: *Uronema marina*
Dujardin, 1841

Microhabitat: -

Host: *Dicentrarchus labrax*⁽⁵⁴⁴⁾

Location: Aegean Sea, off-shore
cages⁽⁵⁴⁴⁾

Record: Yavuzcan Yıldız and
Ötgücüoğlu (2018)⁽⁵⁴⁴⁾

CLASS PROSTOMATEA

FAMILY HOLOPHYRIDAE

Cryptocaryon irritans Brown, 1951

Synonym: -

Microhabitat: -

Host: *Dicentrarchus labrax*⁽⁵⁴⁴⁾,
Sparus aurata⁽⁵⁴⁴⁾

Location: Aegean Sea, off-shore
cages⁽⁵⁴⁴⁾

Record: Yavuzcan Yıldız and
Ötgücüoğlu (2018)⁽⁵⁴⁴⁾

PHYLUM MYZOOA

CLASS DINOPHYCEAE ORDER BLASTODINIALES

FAMILY OODINIACEAE

Amyloodinium ocellatum (E.Brown)
E.Brown & Hovasse, 1946

Synonym: *Oodinium ocellatum*
E.Brown

Microhabitat: Skin, fins, gills

Host: *Sparus aurata*⁽⁵⁴³⁾,
Dicentrarchus labrax⁽⁵⁴³⁾⁽⁵⁵⁰⁾, *Dentex*
dentex⁽⁵⁴⁵⁾

Location: Aegean Sea⁽⁵⁴³⁾⁽⁵⁴⁵⁾⁽⁵⁵⁰⁾

Record: Akbaş (2011)⁽⁵⁴³⁾, Çilli
(2008)⁽⁵⁴⁵⁾, Çağırğan and Tokşen
(1996)⁽⁵⁵⁰⁾

Amyloodinium sp.

Synonym: -

Microhabitat: Skin, gills

Host: *Sparus aurata*⁽⁵⁴⁴⁾, *Dentex*
dentex⁽⁵⁴⁶⁾, *Dicentrarchus labrax*⁽⁵⁴⁴⁾
(551)(552)

Location: Aegean Sea, off-shore
cages⁽⁵⁴⁴⁾, hatchery and rearing
units⁽⁵⁴⁶⁾, freshwater pond⁽⁵⁵¹⁾,
cultured fish⁽⁵⁵²⁾

Record: Yavuzcan Yıldız and
Ötgücüoğlu (2018)⁽⁵⁴⁴⁾, Tokşen and

Çilli (2010)⁽⁵⁴⁶⁾, Yardımcı *et al.*
(2017)⁽⁵⁵¹⁾, Yılmaz *et al.* (2014)⁽⁵⁵²⁾

PHYLUM EUGLENOZOA CLASS KINETOPLASTIDEA ORDER KINETOPLASTIDA SUBORDER BODONINA FAMILY BODONIDAE

Ichthyobodo necator (Henneguy,
1883) Pinto, 1928

Synonym: *Costia necatrix*
(Henneguy, 1883) Leclercq, 1890

Microhabitat: Gills

Host: *Dicentrarchus labrax*⁽⁵⁴⁴⁾,
Sparus aurata⁽⁵⁴⁴⁾

Location: Aegean Sea, off-shore
cages⁽⁵⁴⁴⁾

Record: Yavuzcan Yıldız and
Ötgücüoğlu (2018)⁽⁵⁴⁴⁾

Ichthyobodo sp.

Synonym: *Costia* sp.

Microhabitat: Skin, gills

Host: *Scophthalmus maximus*⁽⁵⁴⁷⁾,
Sparus aurata⁽⁵⁵³⁾

Location: Black Sea, culture
ponds⁽⁵⁴⁷⁾; Aegean Sea⁽⁵⁵³⁾

Record: Çiftçi *et al.* (2002)⁽⁵⁴⁷⁾,
Tokşen (2000)⁽⁵⁵³⁾

PHYLUM PLATYHELMINTHES

CLASS MONOGENEA

SUBCLASS MONOPISTHOCOTYLEA ORDER CAPSALIDEA FAMILY CAPSALIDAE

Benedenia sciaenae (Van Beneden,
1856) Odhner, 1905

Synonym: *Benedenia elegans*
Diesing, 1858

Microhabitat: Skin
Host: *Argyrosomus regius*⁽⁵⁵⁵⁾⁽⁵⁵⁶⁾
Location: Aegean Sea⁽⁵⁵⁵⁾;
Mediterranean Sea⁽⁵⁵⁶⁾
Record: Tokşen *et al.* (2007)⁽⁵⁵⁵⁾,
Tokşen *et al.* (2007)⁽⁵⁵⁶⁾

ORDER DACTYLOGYRIDEA
FAMILY DIPLECTANIDAE

***Diplectanum aequans* (Wagener,
1857)**

Synonym: *Dactylogyrus aequans*
Wagener, 1857

Microhabitat: Gills
Host: *Sparus aurata*⁽⁴¹⁾⁽⁵⁴⁴⁾, *Coris
julis*⁽⁴¹⁾, *Dicentrarchus labrax*⁽⁵⁴⁴⁾⁽⁵⁵¹⁾
⁽⁵⁵⁷⁾⁽⁵⁵⁸⁾⁽⁵⁵⁹⁾⁽⁵⁶⁰⁾⁽⁵⁶¹⁾⁽⁵⁶²⁾⁽⁵⁶³⁾

Location: Aegean Sea⁽⁴¹⁾⁽⁵⁵⁷⁾⁽⁵⁵⁸⁾
⁽⁵⁶¹⁾⁽⁵⁶²⁾, freshwater pond⁽⁵⁵¹⁾, off-shore
cages⁽⁵⁴⁴⁾; Black Sea⁽⁵⁵⁹⁾⁽⁵⁶⁰⁾⁽⁵⁶²⁾⁽⁵⁶³⁾

Record: Akmirza (2010)⁽⁴¹⁾,
Yavuzcan Yıldız and Ötgücüoğlu
(2018)⁽⁵⁴⁴⁾, Yardımcı *et al.* (2017)⁽⁵⁵¹⁾,
Tokşen (1999)⁽⁵⁵⁷⁾, Tokşen (2007)⁽⁵⁵⁸⁾,
Öktener *et al.* (2009)⁽⁵⁵⁹⁾, Ögüt and
Uzun (2012)⁽⁵⁶⁰⁾, Yardımcı and
Pekmezci (2012)⁽⁵⁶¹⁾, Özer *et al.*
(2015)⁽⁵⁶²⁾, Özer *et al.* (2019)⁽⁵⁶³⁾

***Lamellodiscus echeneis* (Wagener,
1857)**

Synonym: *Furnestinia echeneis*
(Wagener, 1857), *Dactylogyrus
echeneis* Wagener, 1857

Microhabitat: Gills
Host: *Boops boops*⁽⁴¹⁾, *Sparus
aurata*⁽⁵⁴⁴⁾⁽⁵⁵⁷⁾⁽⁵⁶⁴⁾

Location: Aegean Sea⁽⁴¹⁾⁽⁵⁵⁷⁾⁽⁵⁶⁴⁾, off-
shore cages⁽⁵⁴⁴⁾

Record: Akmirza (2010)⁽⁴¹⁾,
Yavuzcan Yıldız and Ötgücüoğlu
(2018)⁽⁵⁴⁴⁾, Tokşen (1999)⁽⁵⁵⁷⁾, Tokşen
et al. (1999)⁽⁵⁶⁴⁾

***Lamellodiscus ignoratus* Palombi,
1943**

Synonym: -

Microhabitat: Gills
Host: *Diplodus puntazzo*⁽⁵⁶⁵⁾
Location: Aegean Sea, cages⁽⁵⁶⁵⁾
Record: Tokşen (2006)⁽⁵⁶⁵⁾

FAMILY GYRODACTYLIDAE

***Gyrodactylus* sp.**

Synonym: -

Microhabitat: Skin
Host: *Dentex dentex*⁽⁵⁴⁵⁾⁽⁵⁴⁶⁾
Location: Aegean Sea, cages⁽⁵⁴⁵⁾,
hatchery and rearing units⁽⁵⁴⁶⁾
Record: Çilli (2008)⁽⁵⁴⁵⁾, Tokşen and
Çilli (2010)⁽⁵⁴⁶⁾

SUBCLASS

POLYOPISTHOCOTYLEA

ORDER MAZOCRAEIDEA

FAMILY MICROCOTYLIDAE

***Sparicotyle chrysophrii* (Van
Beneden & Hesse, 1863) Mamaev,
1984**

Synonym: *Microcotyle chrysophrii*
Van Beneden & Hesse, 1863,
Solostamenides chrysophryi (van
Beneden & Hesse, 1863) Unnithan,
1971

Microhabitat: Gills
Host: *Diplodus annularis*⁽⁴¹⁾, *Sparus
aurata*⁽⁵⁴⁴⁾⁽⁵⁵⁷⁾⁽⁵⁶⁴⁾

Location: Aegean Sea⁽⁴¹⁾⁽⁵⁵⁷⁾⁽⁵⁶⁴⁾, off-
shore cages⁽⁵⁴⁴⁾

Record: Akmirza (2010)⁽⁴¹⁾,
Yavuzcan Yıldız and Ötgücüoğlu
(2018)⁽⁵⁴⁴⁾, Tokşen (1999)⁽⁵⁵⁷⁾, Tokşen
et al. (1999)⁽⁵⁶⁴⁾

***Microcotyle erythrini* Van Beneden
& Hesse, 1863**

Synonym: -

Microhabitat: Gills
Host: *Boops boops*⁽⁴¹⁾, *Diplodus
sargus*⁽⁴¹⁾, *Diplodus vulgaris*⁽⁴¹⁾,
Pagellus erythrinus⁽⁴¹⁾, *Sarpa
salpa*⁽⁴¹⁾, *Spicara maena*⁽⁴¹⁾,
Lithognathus mormyrus⁽⁴¹⁾,
Dicentrarchus labrax⁽⁴¹⁾

Location: Aegean Sea⁽⁴¹⁾
Record: Akmırza (2010)⁽⁴¹⁾

***Microcotyle* sp.**

Synonym: -
Microhabitat: Gills
Host: *Dentex dentex*⁽⁵⁴⁵⁾⁽⁵⁴⁶⁾
Location: Aegean Sea, adaptation units⁽⁵⁴⁵⁾, hatchery and rearing units⁽⁵⁴⁶⁾
Record: Çilli (2008)⁽⁵⁴⁵⁾, Tokşen and Çilli (2010)⁽⁵⁴⁶⁾

FAMILY DICLIDOPHORIDAE

***Choricotyle chrysophryi* Van Beneden & Hesse, 1863**

Synonym: *Choricotyle pagelli* (Gallien, 1937)
Microhabitat: Gills
Host: *Dicentrarchus labrax*⁽⁴¹⁾
Location: Aegean Sea⁽⁴¹⁾
Record: Akmırza (2010)⁽⁴¹⁾

***Cyclocotyla bellones* Otto, 1823**

Synonym: *Diclidophora bellones* (Otto, 1823)
Microhabitat: Gills
Host: *Pagellus erythrinus*⁽⁴¹⁾
Location: Aegean Sea⁽⁴¹⁾
Record: Akmırza (2010)⁽⁴¹⁾

**PHYLUM
ARTHROPODA**

**SUBPHYLUM CRUSTACEA
CLASS HEXANAUPLIA
SUBCLASS COPEPODA
ORDER SIPHANOSTOMATOIDA
FAMILY CALIGIDAE**

***Caligus dakari* Van Beneden, 1892**

Synonym: *Caligus mauritanicus* Brian, 1924
Microhabitat:
Host: *Dentex dentex*⁽⁵⁶⁶⁾
Location: Aegean Sea⁽⁵⁶⁶⁾

Record: Öktener (2009)⁽⁵⁶⁶⁾

***Caligus minimus* Otto, 1821**

Synonym: *Caligus minutus* Krøyer, 1837
Microhabitat:
Host: *Sparus aurata*⁽⁴¹⁾, *Dicentrarchus labrax*⁽¹¹³⁾⁽¹¹⁴⁾⁽⁵⁵⁷⁾⁽⁵⁶⁷⁾
Location: Aegean Sea⁽⁴¹⁾⁽¹¹³⁾⁽⁵⁵⁷⁾⁽⁵⁶⁷⁾, Mediterranean Sea⁽¹¹⁴⁾
Record: Akmırza (2010)⁽⁴¹⁾, Özel *et al.* (2004)⁽¹¹³⁾, Cengizler *et al.* (2001)⁽¹¹⁴⁾, Tokşen (1999)⁽⁵⁵⁷⁾, Uluköy and Kubilay (2005)⁽⁵⁶⁷⁾

***Caligus* sp.**

Synonym: *Apogonia* Cressey & Cressey, 1990, *Caligulus* Heegaard, 1962, *Cresseyella* Bezděk & Cressey, 2004, *Midias* Wilson C.B., 1911, *Pargulus* Shen, 1940, *Pseudocaligus* Scott A., 1901, *Risculus* Leach, 1819, *Sciaenophilus* Beneden, 1852, *Scienophilus* Beneden, 1852 (misspelling)
Microhabitat: Gills
Host: *Dicentrarchus labrax*⁽⁵⁶⁸⁾
Location: Aegean Sea⁽⁵⁶⁸⁾
Record: Yeler (1998)⁽⁵⁶⁸⁾

***Lepeophtheirus pectoralis* (Müller O.F., 1776)**

Synonym: *Caligus pectoralis* (Müller O.F., 1776), *Lernaea pectoralis* Müller O.F., 1776
Microhabitat: -
Host: *Dicentrarchus labrax*⁽⁵⁶⁸⁾
Location: Aegean Sea⁽⁵⁶⁸⁾
Record: Yeler (1998)⁽⁵⁶⁸⁾

FAMILY HATSCHEKIIDAE

***Hatschekia pagellibogueravei* (Hesse, 1878)**

Synonym: *Clavella sargi* Della Valle, 1882, *Congericola pagellibogueravei* (Hesse, 1878), *Cynus pagellibogueravei* Hesse, 1878,

Hatschekia cornigera Scott T., 1909,
Hatschekia pagellibogneravi (Hesse,
1878), *Hatschekia sargi* (Della Valle,
1882)

Microhabitat: -

Host: *Diplodus sargus*⁽⁴¹⁾, *Coris
julis*⁽⁴¹⁾

Location: Aegean Sea⁽⁴¹⁾

Record: Akmırza (2010)⁽⁴¹⁾

***Hatschekia pygmaea* Scott T. &
Scott A., 1912**

Synonym: -

Microhabitat: -

Host: *Dicentrarchus labrax*⁽⁴¹⁾

Location: Aegean Sea⁽⁴¹⁾

Record: Akmırza (2010)⁽⁴¹⁾

FAMILY LERNANTHROPIDAE

***Clavellotis* sp.**

Synonym: -

Microhabitat: Gills

Host: *Dentex dentex*⁽⁵⁴⁵⁾⁽⁵⁴⁶⁾

Location: Aegean Sea, cages⁽⁵⁴⁵⁾,
hatchery and rearing units⁽⁵⁴⁶⁾

Record: Çilli (2008)⁽⁵⁴⁵⁾, Tokşen and
Çilli (2010)⁽⁵⁴⁶⁾

***Lernanthropus brevis* Richiardi,
1879**

Synonym: *Lernanthropus vorax*
Richiardi, 1880

Microhabitat: Gills

Host: *Dicentrarchus labrax*⁽⁵⁶⁹⁾

Location: Aegean Sea⁽⁵⁶⁹⁾

Record: Akmırza (2003)⁽⁵⁶⁹⁾

***Lernanthropus kroyeri* Beneden,
1851**

Synonym: -

Microhabitat: Gills

Host: *Diplodus annularis*⁽⁴¹⁾,
Dicentrarchus labrax⁽⁵⁴³⁾⁽⁵⁴⁴⁾⁽⁵⁵⁷⁾⁽⁵⁶¹⁾
⁽⁵⁷⁰⁾⁽⁵⁷¹⁾⁽⁵⁷²⁾⁽⁵⁷³⁾⁽⁵⁷⁴⁾⁽⁵⁷⁵⁾

Location: Aegean Sea⁽⁴¹⁾⁽⁵⁴³⁾⁽⁵⁴⁴⁾⁽⁵⁵⁷⁾
⁽⁵⁶¹⁾⁽⁵⁷⁰⁾⁽⁵⁷¹⁾⁽⁵⁷²⁾⁽⁵⁷³⁾⁽⁵⁷⁵⁾, Black Sea⁽⁵⁷⁴⁾

Record: Akmırza (2010)⁽⁴¹⁾, Akbaş
(2011)⁽⁵⁴³⁾, Yavuzcan Yıldız and
Ötgücüoğlu (2018)⁽⁵⁴⁴⁾, Tokşen
(1999)⁽⁵⁵⁷⁾, Yardımcı and Pekmezci
(2012)⁽⁵⁶¹⁾, Özel *et al.* (2004)⁽⁵⁷⁰⁾,
Tokşen *et al.* (2006)⁽⁵⁷¹⁾, Tokşen.
(2007)⁽⁵⁷²⁾, Tokşen *et al.* (2008)⁽⁵⁷³⁾,
Öktener *et al.* (2010)⁽⁵⁷⁴⁾, Yavuzcan
Yıldız *et al.* (2019)⁽⁵⁷⁵⁾

***Lernanthropus* sp.**

Synonym: *Epachthes* Nordmann,
1832, *Sanya* Song & Chen, 1976

Microhabitat: Gills

Host: *Dicentrarchus labrax*⁽⁵⁷⁶⁾

Location: Aegean Sea⁽⁵⁷⁶⁾

Record: Korun and Tepecik
(2005)⁽⁵⁷⁶⁾

FAMILY PENNELIDAE

***Lerneocera branchialis* (Linnaeus,
1767)**

Synonym: *Lernaea brachialis*
Linnaeus, 1767, *Lernaea branchialis*
Linnaeus, 1767, *Lernaea lumpi* Scott
T., 1901, *Lerneocera lumpi* (Scott
T., 1901), *Lerneocera megacephala*
Scott A., 1929, *Lerneocera obtusa*
Kabata, 1957, *Lerneocera wilsoni*
Schuurmans Stekhoven J.H. Jr, 1936,
Saucissona lumpi (Scott T., 1901)

Microhabitat: Gills

Host: *Dicentrarchus labrax*⁽⁵⁶⁸⁾

Location: Aegean Sea⁽⁵⁶⁸⁾

Record: Yeler (1998)⁽⁵⁶⁸⁾

**SUBCLASS
EUMALACOSTRACA**

**ORDER ISOPODA
FAMILY AEGIDAE**

***Rocinela danmoniensis* Leach, 1818**

Synonym: -

Microhabitat: Gills

Host: *Dicentrarchus labrax*⁽⁵⁶⁸⁾

Location: Aegean Sea⁽⁵⁶⁸⁾

Record: Yeler (1998)⁽⁵⁶⁸⁾

FAMILY CYMOTHOIDAE

Anilocra physodes (Linnaeus, 1758)

Synonym: *Colombia physodes* (Linnaeus, 1758), *Oniscus physodes* Linnaeus, 1758
Microhabitat: Skin
Host: *Dentex dentex*⁽²⁰⁵⁾
Location: Aegean Sea⁽²⁰⁵⁾
Record: Trilles and Oktener (2009)⁽²⁰⁵⁾

Anilocra sp.

Synonym: *Canolira* Leach, 1818, *Epichthys* Herklots, 1870
Microhabitat: Gills
Host: *Dicentrarchus labrax*⁽⁵⁶⁸⁾
Location: Aegean Sea⁽⁵⁶⁸⁾
Record: Yeler (1998)⁽⁵⁶⁸⁾

Ceratothoa italica Sechioedte & Meinert, 1883

Synonym: -
Microhabitat: Mouth
Host: *Dicentrarchus labrax*⁽¹⁹⁶⁾
Location: Aegean Sea⁽¹⁹⁶⁾
Record: Öktener and Trilles (2004)⁽¹⁹⁶⁾

Ceratothoa oestroides (Risso, 1816)

Synonym: *Canolira oestroides* Risso, 1816, *Ceratothoa sargorum* Gourret, 1891
Microhabitat: Gills
Host: *Boops boops*⁽⁴¹⁾, *Spicara maena*⁽⁴¹⁾, *Diplodus annularis*⁽⁴¹⁾, *Diplodus vulgaris*⁽⁴¹⁾, *Lithognathus mormyrus*⁽⁴¹⁾, *Pagellus erythrinus*⁽⁴¹⁾, *Coris julis*⁽⁴¹⁾, *Sarpa salpa*⁽⁴¹⁾, *Sparus aurata*⁽⁴¹⁾⁽⁵⁴³⁾, *Dicentrarchus labrax*⁽⁴¹⁾⁽⁵⁴³⁾⁽⁵⁵⁷⁾⁽⁵⁷⁰⁾⁽⁵⁷⁷⁾⁽⁵⁷⁸⁾⁽⁵⁷⁹⁾
Location: Aegean Sea⁽⁴¹⁾⁽⁵⁴³⁾⁽⁵⁵⁷⁾⁽⁵⁷⁰⁾⁽⁵⁷⁷⁾⁽⁵⁷⁸⁾⁽⁵⁷⁹⁾
Record: Akmırza (2010)⁽⁴¹⁾, Akbaş (2011)⁽⁵⁴³⁾, Tokşen (1999)⁽⁵⁵⁷⁾, Özel *et al.* (2004)⁽⁵⁷⁰⁾, Horton and Okamura (2001)⁽⁵⁷⁷⁾, Korun and Akaylı

(2004)⁽⁵⁷⁸⁾, Bulut and Uluköy (2013)⁽⁵⁷⁹⁾

Nerocila orbignyi (Guérin-Méneville, 1832)

Synonym: *Ichthyophilus orbignyi* Guérin-Méneville, 1832, *Nerocila maculata* H. Milne Edwards, 1840, *Nerocila neapolitana* Schiodte & Meinert, 1879
Microhabitat: Mouth
Host: *Dicentrarchus labrax*⁽⁵⁷⁷⁾
Location: Aegean Sea⁽⁵⁷⁷⁾
Record: Horton and Okamura (2001)⁽⁵⁷⁷⁾

FAMILY GNATHIIDAE

Gnathia sp.

Synonym: *Praniza*
Microhabitat: -
Host: *Scorpaena scrofa*⁽⁴¹⁾, *Pagellus erythrinus*⁽⁴¹⁾, *Diplodus annularis*⁽⁴¹⁾, *Diplodus vulgaris*⁽⁴¹⁾, *Lithognathus mormyrus*⁽⁴¹⁾, *Coris julis*⁽⁴¹⁾, *Spicara maena*⁽⁴¹⁾, *Stephanolepis diaspros*⁽⁴¹⁾
Location: Aegean Sea⁽⁴¹⁾
Record: Akmırza (2010)⁽⁴¹⁾

Paragnathia formica (Hesse, 1864)

Synonym: *Anceus formica* Hesse, 1864, *Anceus halidaii* Bate & Westwood, 1866, *Paragnathia halidaii* (Bate & Westwood, 1866)
Microhabitat: Mouth
Host: *Pagellus erythrinus*⁽²⁰³⁾, *Mugil cephalus*⁽²⁰³⁾
Location: Aegean Sea⁽²⁰³⁾
Record: Kırkım *et al.* (2008)⁽²⁰³⁾

PHYLUM CNIDARIA

CLASS MYXOZOA

SUBCLASS MYXOSPOREA

ORDER BIVALVULIDA

FAMILY CERATOMYXIDAE

Ceratomyxa sp.

Synonym: -

Microhabitat: Gall bladder

Host: *Dentex dentex*⁽⁵⁴⁵⁾⁽⁵⁴⁶⁾

Location: Aegean Sea, adaptation unit⁽⁵⁴⁵⁾, hatchery and rearing unit⁽⁵⁴⁶⁾

Record: Çilli (2008)⁽⁵⁴⁵⁾, Tokşen and Çilli (2010)⁽⁵⁴⁶⁾

CULTURED MARINE FISH HOST – PARASITE LIST

PHYLUM CHORDATA
CLASS ACTINOPTERYGII

FAMILY SCIAENIDAE

***Argyrosomus regius* (Asso, 1801)
 (Meagre)**

Synonym: *Argyrosomus procerus* De la Pylaie, 1835, *Argyrosomus regium* (Asso, 1801), *Cheilodipterus aquila* Lacepède, 1803, *Perca luth* Walbaum, 1792, *Perca regia* Asso, 1801, *Perca vanloo* Risso, 1810, *Sciaena aquila* (Lacepède, 1803), *S. aquila* Cuvier, 1817, *S. regius* (Asso, 1801)

MONOGENEA

Benedenia sciaenae (Van Beneden, 1856) Odhner, 1905⁽⁵⁵⁵⁾⁽⁵⁵⁶⁾

FAMILY SPARIDAE

***Boops boops* (L., 1758)
 (Bogue)**

Synonym: *Boops canariensis* Valenciennes, 1839, *Box boops* (Linnaeus, 1758), *Box canariensis* (Valenciennes, 1839), *Box vulgaris* Valenciennes, 1830, *Sparus boops* Linnaeus, 1758

MONOGENEA

Lamellodiscus echeneis (Wagener, 1857)⁽⁴¹⁾
Microcotyle erythrini Van Beneden & Hesse, 1863⁽⁴¹⁾

ISOPODA

Ceratothoa oestroides (Risso, 1816)⁽⁴¹⁾

***Dentex dentex* (L., 1788)
 (Common dentex)**

Synonym: *Dentex vulgaris* Valenciennes, 1830, *Sparus dentex* Linnaeus, 1758

CILIOPHORA

Epistylis sp.⁽⁵⁴⁶⁾
Riboscyphida sp.⁽⁵⁴⁵⁾⁽⁵⁴⁶⁾
Trichodina sp.⁽⁵⁴⁶⁾

MYZOOZOA

Amyloodinium sp.⁽⁵⁴⁶⁾

MONOGENEA

Gyrodactylus sp.⁽⁵⁴⁶⁾
Microcotyle sp.⁽⁵⁴⁶⁾

COPEPODA

Anilocra physodes (Linnaeus, 1758)⁽²⁰⁵⁾
Caligus dakari Van Beneden, 1892⁽⁵⁶⁶⁾
Clavellotis sp.⁽⁵⁴⁶⁾

CNIDARIA

Ceratomyxa sp.⁽⁵⁴⁵⁾⁽⁵⁴⁶⁾

***Diplodus annularis* (L., 1758)
 (Annular seabream)**

Synonym: *Sargus annularis* (Linnaeus, 1758), *Sciaena melanura* Pallas, 1814, *Sparus annularis* Linnaeus, 1758, *Sparus sparlotus* Rafinesque, 1810, *Sparus sparulus* Lacepède, 1802

MONOGENEA

Sparicotyle chrysophrii (Van Beneden & Hesse, 1863)
 Mamaev, 1984⁽⁴¹⁾

COPEPODA

Lernanthropus kroyeri Beneden, 1851⁽⁴¹⁾

ISOPODA

Ceratothoa oestroides (Risso, 1816)⁽⁴¹⁾
Gnathia sp.⁽⁴¹⁾

***Diplodus puntazzo*
 (Walbaum, 1792)
 (Sharpsnout seabream)**

Synonym: *Charax puntazzo* (Walbaum, 1792), *Charax puntazzo* var. *ponticus* Nordmann, 1840, *Puntazzo annularis* Bleeker, 1876, *Puntazzo puntazzo* (Walbaum, 1792), *Sargus puntazzo* (Walbaum, 1792), *Sparus oxyrhynchus* Nardo, 1827, *Sparus puntazzo* Cetti, 1777, *Sparus puntazzo* Walbaum, 1792

MONOGENEA

Lamellodiscus ignoratus
Palombi, 1943⁽⁵⁶⁵⁾

***Diplodus sargus* (L., 1758)**
(White seabream)

Synonym: *Diplodus rondeletii*
Valenciennes in Cuvier &
Valenciennes, 1830, *Sargus rondeletii*
Valenciennes, 1830, *Sargus vetula*
Valenciennes, 1830, *Sparus cinctus*
Walbaum, 1792, *Sparus sargus*
Linnaeus, 1758, *Sparus varatulus*
Rafinesque, 1810

MONOGENEA

Microcotyle erythrini Van
Beneden & Hesse, 1863⁽⁴¹⁾

COPEPODA

Hatschekia pagellibogueravei
(Hesse, 1878)⁽⁴¹⁾

***Diplodus vulgaris* (Geoffroy, 1817)**
(Common two-banded seabream)

Synonym: *Sargus salviani*
Valenciennes, 1830, *Sargus vulgaris*
Geoffroy Saint-Hilaire, 1817, *Sparus*
aldrovandi Nardo, 1827

MONOGENEA

Microcotyle erythrini Van
Beneden & Hesse, 1863⁽⁴¹⁾

COPEPODA

Lernaeolophus sultanus (Milne
Edwards, 1840)⁽⁴¹⁾

ISOPODA

Ceratothoa oestroides (Risso,
1816)⁽⁴¹⁾
Gnathia sp.⁽⁴¹⁾

***Lithognathus mormyrus* (L., 1758)**
(Sand steenbras)

Synonym: *Pagellus goreensis*
Valenciennes, 1830, *Pagellus*
mormyrus (Linnaeus, 1758), *Sparus*
mormyrus Linnaeus, 1758

MONOGENEA

Microcotyle erythrini Van
Beneden & Hesse, 1863⁽⁴¹⁾

ISOPODA

Ceratothoa oestroides (Risso,
1816)⁽⁴¹⁾
Gnathia sp.⁽⁴¹⁾

***Pagellus erythrinus* (L., 1758)**
(Common pandora)

Synonym: *Pagellus canariensis*
Valenciennes, 1838, *Sparus*
erythrinus Linnaeus, 1758

MONOGENEA

Microcotyle erythrini Van
Beneden & Hesse, 1863⁽⁴¹⁾
Cyclocotyla bellones Otto,
1823⁽⁴¹⁾

ISOPODA

Ceratothoa oestroides (Risso,
1816)⁽⁴¹⁾
Gnathia sp.⁽⁴¹⁾
Paragnathia formica (Hesse,
1864)⁽²⁰³⁾

***Sarpa salpa* (L., 1758)**
(Salema)

Synonym: *Boops goreensis*
(Valenciennes, 1830), *Boops salpa*
(Linnaeus, 1758), *Box goreensis*
Valenciennes, 1830, *Box salpa*
(Linnaeus, 1758), *Eusalpa salpa*
(Linnaeus, 1758), *Sparus salpa*
Linnaeus, 1758

MONOGENEA

Microcotyle erythrini Van
Beneden & Hesse, 1863⁽⁴¹⁾

ISOPODA

Ceratothoa oestroides (Risso,
1816)⁽⁴¹⁾

***Sparus aurata* L., 1758**
(Gilthead seabream)

Synonym: *Aurata aurata* (Linnaeus,
1758), *Chrysophrys aurata* (Linnaeus,
1758), *Chrysophrys aurathus*
(Linnaeus, 1758) (misspelling),
Chrysophrys auratus (Linnaeus,

1758), *Chrysophrys crassirostris* Valenciennes, 1830, *Pagrus auratus* (Linnaeus, 1758), *Sparus auratus* Linnaeus, 1758 (misspelling)

CILIOPHORA

Apiosoma sp.⁽⁵⁴³⁾⁽⁵⁴⁴⁾
Cryptocaryon irritans Brown, 1951⁽⁵⁴⁴⁾
Epistylis sp.⁽⁵⁴⁴⁾
Trichodina sp.⁽⁵⁴³⁾⁽⁵⁴⁸⁾

MYZOOZOA

Amyloodinium ocellatum (E. Brown) E. Brown & Hovasse, 1946⁽⁵⁴³⁾
Amyloodinium sp.⁽⁵⁴⁴⁾

EUGLENOZOA

Ichthyobodo necator (Henneguy, 1883) Pinto, 1928⁽⁵⁴⁴⁾
Ichthyobodo sp.⁽⁵⁵³⁾

MONOGENEA

Diplectanum aequans (Wagener, 1857)⁽⁴¹⁾⁽⁵⁴⁴⁾
Lamellodiscus echeneis (Wagener, 1857)⁽⁵⁴⁴⁾⁽⁵⁵⁷⁾⁽⁵⁶⁴⁾
Sparicotyle chrysophrii (Van Beneden & Hesse, 1863) Mamaev, 1984⁽⁵⁴⁴⁾⁽⁵⁵⁷⁾⁽⁵⁶⁴⁾

COPEPODA

Caligus minimus Otto, 182⁽⁴¹⁾

ISOPODA

Ceratothoa oestroides (Risso, 1816)⁽⁴¹⁾⁽⁵⁴³⁾

***Spicara maena* (L., 1758) (Blotched picarel)**

Synonym: *Maena chryselis* (Valenciennes, 1830), *M. juscolum* Cuvier, 1829, *M. maena* (Linnaeus, 1758), *M. osbechii* Valenciennes, 1830 (misspelling), *M. osbeckii* Valenciennes, 1830, *M. vomerina* Valenciennes, 1830, *M. vulgaris* Valenciennes, 1830, *Merolepis chryselis* (Valenciennes, 1830), *Merolepis maena* (Linnaeus, 1758), *Smaris cagarella* Cuvier, 1829, *S. chryselis* Valenciennes, 1830, *S. cagarella* Valenciennes, 1830, *S. maena* (Linnaeus, 1758), *Sparus maena* Linnaeus, 1758, *Sparus osbeck*

Lacepède, 1802, *Sparus tricuspidatus* Spinola, 1807, *Sparus zebra* Brünnich, 1768, *Spicara chryselis* (Valenciennes, 1830), *Spicara flexuosa* Rafinesque, 1810, *Spicara maena flexuosa* Rafinesque, 1810, *Spicara maena maena* (Linnaeus, 1758)

MONOGENEA

Microcotyle erythrini Van Beneden & Hesse, 1863⁽⁴¹⁾

ISOPODA

Ceratothoa italica Schioedte et Meinert, 1883⁽¹⁹⁶⁾
Ceratothoa oestroides (Risso, 1816)⁽⁴¹⁾⁽¹⁶²⁾⁽¹⁹⁶⁾
Gnathia sp.⁽⁴¹⁾

FAMILY LABRIDAE

***Coris julis* (L., 1758) (Mediterranean rainbow wrasse)**

Synonym: *Coris festiva* (Valenciennes, 1839), *Coris speciosa* (Risso, 1827), *Coris taeniatus* Steindachner, 1863, *Julis azorensis* Fowler, 1919, *J. festiva* Valenciennes, 1839, *J. julis* (Linnaeus, 1758), *J. mediterranea* Risso, 1827, *J. melanura* Lowe, 1839, *J. speciosa* Risso, 1827, *J. vulgaris* Fleming, 1828, *J. vulgaris* Valenciennes, 1839, *Labrus cettii* Rafinesque, 1810, *L. giofredi* Risso, 1810, *L. infuscus* Walbaum, 1792, *L. julis* Linnaeus, 1758, *L. keslik* Lacepède, 1801, *L. paroticus* Linnaeus, 1758, *L. perdica* Forsskål, 1775 *L. subfuscus* Bloch & Schneider, 1801

MONOGENEA

Diplectanum aequans (Wagener, 1857)⁽⁴¹⁾

COPEPODA

Hatschekia pagellibogueravei (Hesse, 1878)⁽⁴¹⁾

ISOPODA

Ceratothoa oestroides (Risso, 1816)⁽⁴¹⁾
Gnathia sp.⁽⁴¹⁾

FAMILY MORONIDAE

Dicentrarchus labrax (L., 1758) (European seabass)

Synonym: *Centropomus lupus* Lacepède, 1802, *Centropomus mullus* Lacepède, 1802, *Dicentrarchus elongatus* (Geoffroy Saint-Hilaire, 1817), *D. lupus* (Lacepède, 1802), *Labrax diacanthus* (Bloch, 1792), *L. elongatus* (Geoffroy Saint-Hilaire, 1817), *L. labrax* (Linnaeus, 1758) *Labrax linnei* Malm, 1877, *L. lupus* (Lacepède, 1802), *L. vulgaris* Guérin-Méneville, 1829-38, *Morone labrax* (Linnaeus, 1758), *Perca diacantha* (Bloch, 1792), *P. elongata* Geoffroy Saint-Hilaire, 1817, *P. labrax* Linnaeus, 1758, *P. sinuosa* Geoffroy Saint-Hilaire, 1817, *Roccus labrax* (Linnaeus, 1758), *Sciaena diacantha* Bloch, 1792, *S. labrax* (Linnaeus, 1758)

CILIOPHORA

Apiosoma sp.⁽⁵⁴⁴⁾
Cryptocaryon irritans Brown, 1951⁽⁵⁴⁴⁾
Epistylis sp.⁽⁵⁴⁴⁾
Uronema marinum Dujardin, 1841⁽⁵⁴⁴⁾

EUGLENOZOA

Ichthyobodo necator (Henneguy, 1883) Pinto, 1928⁽⁵⁴⁴⁾

MYZOOZOA

Amyloodinium ocellatum (E.Brown) E.Brown & Hovasse, 1946⁽⁵⁵⁰⁾
Amyloodinium sp.⁽⁵⁴⁴⁾⁽⁵⁵¹⁾⁽⁵⁵²⁾

MONOGENEA

Diplectanum aequans (Wagener, 1857)⁽⁵⁴³⁾⁽⁵⁴⁴⁾⁽⁵⁵¹⁾⁽⁵⁵⁷⁾⁽⁵⁵⁸⁾⁽⁵⁵⁹⁾⁽⁵⁶⁰⁾⁽⁵⁶¹⁾⁽⁵⁶²⁾⁽⁵⁶³⁾

Microcotyle erythrini Van Beneden & Hesse, 1863⁽⁴¹⁾
Choricotyle chrysophryi Van Beneden & Hesse, 1863⁽⁴¹⁾

COPEPODA

Caligus minimus Otto, 1821⁽⁵⁵⁷⁾⁽⁵⁶⁷⁾
Caligus sp.⁽⁵⁶⁸⁾

Hatschekia pygmaea Scott T. & Scott A., 1912⁽⁴¹⁾

Lepeophtheirus pectoralis (Müller O.F., 1776)⁽⁵⁶⁸⁾

Lernanthropus brevis Richiardi, 1879⁽⁵⁶⁹⁾

Lernanthropus kroyeri Beneden, 1851⁽⁵⁴³⁾⁽⁵⁴⁴⁾⁽⁵⁵⁷⁾⁽⁵⁶¹⁾⁽⁵⁷⁰⁾⁽⁵⁷¹⁾⁽⁵⁷²⁾⁽⁵⁷³⁾⁽⁵⁷⁴⁾⁽⁵⁷⁵⁾

Lernanthropus sp.⁽⁵⁷⁶⁾

Lerneacocera branchialis (Linnaeus, 1767)⁽⁵⁶⁸⁾

ISOPODA

Anilocra sp.⁽⁵⁶⁸⁾

Ceratothoa italica Sechioedte & Meinert, 1883⁽¹⁹⁶⁾

Ceratothoa oestroides (Risso, 1816)⁽⁴¹⁾⁽⁵⁴³⁾⁽⁵⁵⁷⁾⁽⁵⁷⁷⁾⁽⁵⁷⁸⁾⁽⁵⁷⁹⁾

Nerocila orbignyi (Guérin-Méneville, 1832)⁽⁵⁷⁷⁾

Rocinela danmoniensis Leach, 1818⁽⁵⁶⁸⁾

FAMILY SCOPHTHALMIDAE

Scophthalmus maximus (L., 1758) (Turbot)

Synonym: *Bothus maximus* (Linnaeus, 1758), *Pleuronectes cyclops* Donovan, 1806, *Pleuronectes maximus* Linnaeus, 1758, *Pleuronectes turbot* Lacepède, 1802, *Psetta maxima* (Linnaeus, 1758), *Psetta maxima maxima* (Linnaeus, 1758), *Rhombus aculeatus* Gottsche, 1835, *Rhombus magnus* Minding, 1832, *Rhombus maximus* (Linnaeus, 1758), *Rhombus stellosum* Bennett, 1835, *Scophthalmus ponticus* Ninni, 1932

CILIOPHORA

Ichthyobodo sp.⁽⁵⁴⁷⁾

Miamiensis avidus Thompson & Moewus, 1964⁽⁵⁴⁹⁾

Scuticociliata sp.⁽⁵⁴⁷⁾

Trichodina sp.⁽⁵⁴⁷⁾

FAMILY SCORPAENIDAE

Scorpaena scrofa L., 1758 (Red scorpionfish)

Synonym: *Scorpaena lutea* Risso, 1810, *Scorpaena natalensis* Regan, 1906, *Scorpaenopsis natalensis* (Regan, 1906), *Sebastapistes scorfa* (Linnaeus, 1758) (misspelling)

ISOPODA

Gnathia sp.⁽⁴¹⁾

**PARASITE – CULTURED
FRESHWATER FISH HOST LIST**

PHYLUM CILIOPHORA

CLASS

OLIGOHYMENOPHOREA

SUBCLASS PERITRICHIA

ORDER PERITRICHIDA

SUBORDER MOBILINA

FAMILY TRICHODINIDAE

Trichodina acuta Lom, 1961

Synonym: *Trichodinella acuta* (Lom, 1970), *Trichodina domerguei f. latispina* Lom, 1960, *Trichodina domerguei f. acuta* Lom, 1961, *Trichodina domerguei f. latispina* Dogiel, 1940, *Trichodina diaptomi* Šrámek-Husek, 1953, *Trichodina acuta* Lom, 1961 (incorrect date)

Microhabitat: Skin, gills, fins

Host: *Cyprinus carpio*⁽¹⁸⁾⁽²⁶³⁾⁽²⁶⁴⁾⁽²⁶⁶⁾⁽²⁶⁷⁾, *Oreochromis aureus*⁽⁵⁸⁰⁾, *Oreochromis niloticus*⁽⁵⁸⁰⁾

Location: Black Sea Region, Sinop Bektaşağa Pond⁽²⁶³⁾⁽²⁶⁴⁾⁽²⁶⁶⁾, Samsun Kızılırmak Delta Bafra Fish Lakes⁽¹⁸⁾⁽²⁶⁷⁾; Mediterranean Region, Çukurova University Fish Rearing Unit⁽⁵⁸⁰⁾

Record: Özer and Öztürk (2015)⁽¹⁸⁾, Özer and Erdem (1998)⁽²⁶³⁾, Özer and Erdem (1999)⁽²⁶⁴⁾, Özer (2000)⁽²⁶⁶⁾, Öztürk *et al.* (2012)⁽²⁶⁷⁾, Can and Cengizler (1999)⁽⁵⁸⁰⁾

Trichodina claviformis Dobberstein & Palm, 2000

Synonym: -

Microhabitat: Skin, fins, Gills

Host: *Oncorhynchus mykiss*⁽⁵⁸¹⁾

Location: Black Sea Region, Maçka Stream⁽⁵⁸¹⁾

Record: Ögüt and Akyol (2007)⁽⁵⁸¹⁾

Trichodina domerguei Wallengren, 1897

Synonym: -

Microhabitat: Skin

Host: *Oncorhynchus mykiss*⁽²⁵⁶⁾⁽²⁷⁰⁾⁽²⁷¹⁾

Location: Central Anatolia Region, Çifteler-Sakaryabaşı Fish Rearing Unit⁽²⁵⁶⁾, Mediterranean Region, Seyhan Dam Lake⁽²⁷⁰⁾⁽²⁷¹⁾

Record: Burgu *et al.* (1988)⁽²⁵⁶⁾, İnce (2013)⁽²⁷⁰⁾, İnce and Uslu (2017)⁽²⁷¹⁾

Trichodina fultoni Davis 1947

Synonym: -

Microhabitat: Gills

Host: *Oncorhynchus mykiss*⁽⁵⁸²⁾

Location: Aegean Region, Aydın Bozdoğan territory some rainbow trout rearing enterprises⁽⁵⁸²⁾,

Record: Şimşek and Aldemir (2020)⁽⁵⁸²⁾

Trichodina mutabilis Kazubski & Migala, 1968

Synonym: -

Microhabitat: Skin, gills, fins

Host: *Cyprinus carpio*⁽²⁶³⁾⁽²⁶⁴⁾⁽²⁶⁶⁾

Location: Black Sea Region, Sinop Bektaşağa culture pond⁽²⁶³⁾⁽²⁶⁴⁾⁽²⁶⁶⁾

Record: Özer and Erdem (1998)⁽²⁶³⁾, Özer and Erdem (1999)⁽²⁶⁴⁾, Özer (2000)⁽²⁶⁶⁾

Trichodina nigra Lom, 1960

Synonym: -

Microhabitat: Skin

Host: *Cyprinus carpio*⁽²⁶³⁾⁽²⁶⁴⁾⁽²⁶⁶⁾, *Oncorhynchus mykiss*⁽²⁵⁶⁾⁽³⁵⁶⁾

Location: Black Sea Region, Sinop Bektaşağa culture pond⁽²⁶³⁾⁽²⁶⁴⁾⁽²⁶⁶⁾;

Central Anatolia Region, Çifteler-Sakaryabaşı Fish Rearing Unit⁽²⁵⁶⁾, Eastern Anatolia Region, Atatürk Dam Lake⁽³⁵⁶⁾

Record: Burgu *et al.* (1988)⁽²⁵⁶⁾, Özer and Erdem (1998)⁽²⁶³⁾, Özer and Erdem (1999)⁽²⁶⁴⁾, Özer (2000)⁽²⁶⁶⁾ Dal (2006)⁽³⁵⁶⁾

Trichodina sp.

Synonym: -

Microhabitat: Gills, Skin, fins

Host: *Ctenopharyngodon idella*⁽⁵⁸⁴⁾,
Oncorhynchus mykiss⁽⁵⁸⁵⁾⁽⁵⁸⁶⁾⁽⁵⁸⁷⁾⁽⁵⁸⁸⁾
⁽⁵⁸⁹⁾⁽⁵⁹⁰⁾⁽⁵⁹¹⁾, *Salvelinus fontinalis*⁽⁵⁸⁸⁾

Location: Central Anatolia Region,
DSİ fish rearing station⁽⁵⁸³⁾,
Kesikköprü Dam Lake⁽⁵⁸⁴⁾,
Mediterranean Region, Mersin⁽⁵⁸⁵⁾,
Marmara Region, Enterprises in
several cities⁽⁵⁸⁶⁾, Black Sea Region,
some rainbow trout enterprises⁽⁵⁸⁷⁾
⁽⁵⁸⁸⁾⁽⁵⁹¹⁾, Aegean Region, Some
rainbow trout enterprises in Muğla
and Aydın cities⁽⁵⁸⁹⁾, Çivril Işıkli
Stream⁽⁵⁹⁰⁾

Record: Kırkağaç Uzbilek and
Yavuzcan Yıldız (2002)⁽⁵⁸⁴⁾, Altunay
and Yavuzcan Yıldız (2008)⁽⁵⁸⁵⁾, Özer
et al. (2010)⁽⁵⁸⁶⁾, Balta *et al.*
(2008)⁽⁵⁸⁷⁾, Özcelep (2009)⁽⁵⁸⁸⁾,
Birincioğlu *et al.* (2011)⁽⁵⁸⁹⁾, Sözeren
Çevrimel and Soylu (2017)⁽⁵⁹⁰⁾, Balta
et al. (2019)⁽⁵⁹¹⁾, Soylu (1996)⁽⁵⁹³⁾

Trichodinella sp.

Synonym: -

Microhabitat: Skin

Host: *Oncorhynchus mykiss*⁽²⁵⁶⁾

Location: Central Anatolia Region,
Çifteler-Sakaryabaşı Fish Rearing
Unit⁽²⁵⁶⁾,

Record: Burgu *et al.* (1988)⁽²⁵⁶⁾

Tripartiella sp.

Synonym: -

Microhabitat: Gills

Host: *Oncorhynchus mykiss*⁽⁵⁸⁵⁾

Location: Central Anatolia Region,
Kesikköprü Dam Lake⁽⁵⁸⁵⁾

Record: Altunay and Yavuzcan
Yıldız (2008)⁽⁵⁸⁵⁾

SUBCLASS PERITRICHIA ORDER PERITRICHIDA SUBORDER SESSILINA

FAMILY EPISTYLIDIDAE

Epistylis sp.

Synonym: -

Microhabitat: Skin, fins, Gills

Host: *Oncorhynchus mykiss*⁽⁵⁸⁵⁾⁽⁵⁸⁸⁾,
Salmo coruhensis⁽⁵⁹²⁾

Location: Central Anatolia Region,
Kesikköprü Dam Lake⁽⁵⁸⁵⁾, Black Sea
Region, some rainbow trout
enterprises⁽⁵⁸⁸⁾, Trabzon-Uzungöl,
Rize-Ayder basin and Fırtına valley
rainbow trout enterprises⁽⁵⁹²⁾

Record: Altunay and Yavuzcan
Yıldız (2008)⁽⁵⁸⁵⁾, Özcelep (2009)⁽⁵⁸⁸⁾,
Balta and Dengiz Balta (2017)⁽⁵⁹²⁾

FAMILY SCYPHIDIIDAE

Ambiphrya sp.

Synonym: -

Microhabitat: Skin, fins, Gills

Host: *Oncorhynchus mykiss*⁽⁵⁸⁸⁾, *Salmo*
coruhensis⁽⁵⁹²⁾

Location: Black Sea Region, some
rainbow trout enterprises⁽⁵⁸⁸⁾,
Trabzon-Uzungöl, Rize-Ayder basin
and Fırtına valley rainbow trout
enterprises⁽⁵⁹²⁾

Record: Özcelep (2009)⁽⁵⁸⁸⁾, Balta
and Dengiz Balta (2017)⁽⁵⁹²⁾

Apiosoma piscicolum Blanchard, 1885

Synonym: -

Microhabitat: Skin

Host: *Oncorhynchus mykiss*⁽⁵⁸¹⁾

Location: Black Sea Region, Maçka
Stream⁽⁵⁸¹⁾

Record: Ögüt and Akyol (2007)⁽⁵⁸¹⁾

Apiosoma sp.

Synonym: -

Microhabitat: Skin, fins, Gills

Host: *Oncorhynchus mykiss*⁽⁵⁸⁵⁾⁽⁵⁸⁸⁾⁽⁵⁸²⁾,
Salmo coruhensis⁽⁵⁹²⁾

Location: Central Anatolia Region,
Kesikköprü Dam Lake⁽⁵⁸⁵⁾, Black Sea
Region, some rainbow trout
enterprises⁽⁵⁸⁸⁾, Trabzon-Uzungöl,
Rize-Ayder basin and Fırtına valley
rainbow trout enterprises⁽⁵⁹²⁾, Aegean

Region, Aydın Bozdoğan territory
some rainbow trout rearing
enterprises⁽⁵⁸²⁾

Record: Altunay and Yavuzcan
Yıldız (2008)⁽⁵⁸⁵⁾, Özcelep (2009)⁽⁵⁸⁸⁾,
Şimşek and Aldemir (2020)⁽⁵⁸²⁾, Balta
and Dengiz Balta (2017)⁽⁵⁹²⁾

FAMILY VORTICELLIDAE

Vorticella sp.

Synonym: -

Microhabitat: Skin, fins, gills

Host: *Salmo coruhensis*⁽⁵⁹²⁾

Location: Black Sea Region,
Trabzon-Uzungöl, Rize-Ayder basin
and Firtına valley rainbow trout
enterprises⁽⁵⁹²⁾

Record: Balta and Dengiz Balta
(2017)⁽⁵⁹²⁾

SUBCLASS HYMENOSTOMATA ORDER HYMENOSTOMATIDA SUBORDER OPHRYOGLENINA

FAMILY

ICHTHYOPHTHIRIIDAE

Ichthyophthirius multifiliis Fouquet,

1876

Synonym: -

Microhabitat: Gills, skin, fins

Host: *Ctenopharyngodon idella*⁽⁵⁸⁴⁾,
Oncorhynchus mykiss⁽²⁵⁶⁾⁽¹⁹⁴⁾⁽⁵⁸¹⁾⁽⁵⁸²⁾,
⁽⁵⁸⁶⁾⁽⁵⁸⁷⁾⁽⁵⁸⁸⁾⁽⁵⁸⁹⁾⁽⁵⁹⁰⁾⁽⁵⁹¹⁾⁽⁵⁹³⁾⁽⁵⁹⁴⁾⁽⁵⁹⁵⁾⁽⁵⁹⁶⁾,
Salvelinus fontinalis⁽¹⁹⁴⁾⁽⁵⁸⁷⁾⁽⁵⁸⁸⁾, *Salmo*
trutta fario⁽⁵⁸⁷⁾⁽⁵⁸⁸⁾

Location: Central Anatolia Region,
Çifteler-Sakaryabaşı Fish Rearing
Unit⁽²⁵⁶⁾, DSI fish rearing station⁽⁵⁸⁴⁾,
Mediterranean Region, Mersin⁽⁵⁸⁶⁾,
some rainbow trout enterprises⁽⁵⁹⁶⁾,
Marmara Region, Enterprises in
several cities⁽⁵⁹³⁾, Aegean Region, a
fish enterprise⁽⁵⁹⁴⁾, some rainbow trout
enterprises in Aydın and Muğla⁽⁵⁸⁹⁾,
some rainbow trout rearing enterprises
in Aydın Bozdoğan territory⁽⁵⁸²⁾,
Çevril Işıklı Stream⁽⁵⁹⁰⁾, Black Sea
Region, some rainbow trout

enterprises⁽¹⁹⁴⁾⁽⁵⁹⁵⁾⁽⁵⁸⁷⁾⁽⁵⁸⁸⁾⁽⁵⁹¹⁾, Maçka
Stream⁽⁵⁸¹⁾,

Record: Kayış *et al.* (2009)⁽¹⁹⁴⁾,
Burgu *et al.* (1988)⁽²⁵⁶⁾, Ögüt and
Akyol (2007)⁽⁵⁸¹⁾, Şimşek and
Aldemir (2020)⁽⁵⁸²⁾, Kırkağaç Uzbilek
and Yavuzcan Yıldız (2002)⁽⁵⁸⁴⁾, Özer
et al. (2010)⁽⁵⁸⁶⁾, Balta *et al.*
(2008)⁽⁵⁸⁷⁾, Özcelep (2009)⁽⁵⁸⁸⁾,
Birincioğlu *et al.* (2011)⁽⁵⁸⁹⁾, Sözeren
Çevrimel and Soylu (2017)⁽⁵⁹⁰⁾, Balta
et al. (2019)⁽⁵⁹¹⁾, Soylu (1996)⁽⁵⁹³⁾,
Tokşen (2000)⁽⁵⁹⁴⁾, Ögüt *et al.*
(2005)⁽⁵⁹⁵⁾, Mefut *et al.* (2007)⁽⁵⁹⁶⁾

CLASS

KINETOPHRAGMINOPHOREA

SUBCLASS HYPOSTOMATA

ORDER CYRTOPHORIDA

FAMILY CHILODONELLIDAE

Chilodonella cyprini (Moroff, 1902)

Strand, 1928

Synonym: -

Microhabitat: Skin, gills

Host: *Oncorhynchus mykiss*⁽³⁵⁶⁾⁽⁵⁹³⁾,
Coptodon zilli⁽⁵⁸³⁾, *Coptodon*
rendalli⁽⁵⁸³⁾, *Oreochromis aureus*⁽⁵⁸⁰⁾
⁽⁵⁸³⁾, *Oreochromis niloticus*⁽⁵⁸⁰⁾⁽⁵⁸³⁾,
Sarotherodon galilaeus⁽⁵⁸³⁾

Location: Marmara Region,
enterprises in several cities⁽⁵⁹³⁾,
Eastern Anatolia Region, Atatürk
Dam Lake⁽³⁵⁶⁾, Mediterranean Region,
Çukurova University Fish Rearing
Unit⁽⁵⁸⁰⁾⁽⁵⁸³⁾

Record: Dal (2006)⁽³⁵⁶⁾, Can and
Cengizler (1999)⁽⁵⁸⁰⁾, Cengizler and
Sarihan (1992)⁽⁵⁸³⁾, Soylu (1996)⁽⁵⁹³⁾

Chilodonella piscicola Zacharias,

1894

Synonym: -

Microhabitat: Skin

Host: *Oncorhynchus mykiss*⁽⁵⁸¹⁾

Location: Black Sea Region, Maçka
Stream⁽⁵⁸¹⁾

Record: Ögüt and Akyol (2007)⁽⁵⁸¹⁾

***Chilodonella* sp.**

Synonym: -

Microhabitat: Gills, Skin

Host: *Ctenopharyngodon idella*⁽⁵⁸⁴⁾,
Oncorhynchus mykiss⁽¹⁹⁴⁾⁽⁵⁸⁵⁾⁽⁵⁸⁶⁾⁽⁵⁹¹⁾

Location: Central Anatolia Region,

DSİ fish rearing station⁽⁵⁸⁴⁾,

Kesikköprü Dam Lake⁽⁵⁸⁵⁾,

Mediterranean Region, Mersin⁽⁵⁸⁶⁾,

Black Sea, Some rainbow trout
enterprises in the Eastern Black
Sea⁽¹⁹⁴⁾⁽⁵⁹¹⁾

Record: Kayış *et al.* (2009)⁽¹⁹⁴⁾,
Kırkağaç Uzbilek and Yavuzcan
Yıldız (2002)⁽⁵⁸⁴⁾, Altunay and
Yavuzcan Yıldız (2008)⁽⁵⁸⁵⁾, Özer *et al.* (2010)⁽⁵⁸⁶⁾, Balta *et al.* (2019)⁽⁵⁹¹⁾

PHYLUM EUGLENOZOA

CLASS KINETOPLASTIDEA

ORDER KINETOPLASTIDA

SUBORDER BODONINA

FAMILY BODONIDAE

***Ichthyobodo necator* (Henneguy,
1883) Pinto, 1928**

Synonym: *Costia necatrix*

Microhabitat: Skin, fins, Gills

Host: *Oncorhynchus mykiss*⁽⁵⁸¹⁾
⁽⁵⁸⁷⁾⁽⁵⁸⁸⁾⁽⁵⁹³⁾, *Salmo trutta fario*⁽⁵⁸⁷⁾

Location: Marmara Region,
Enterprises in several cities⁽⁵⁹³⁾, Black
Sea Region, Maçka Stream⁽⁵⁸¹⁾, some
rainbow trout enterprises⁽⁵⁸⁷⁾ ⁽⁵⁸⁸⁾

Record: Ögüt and Akyol (2007)⁽⁵⁸¹⁾,
Balta *et al.* (2008)⁽⁵⁸⁷⁾, Özcelep
(2009)⁽⁵⁸⁸⁾, Soyulu (1996)⁽⁵⁹³⁾

***Ichthyobodo* sp.**

Synonym: *Costia* sp.

Microhabitat: Skin

Host: *Oncorhynchus mykiss*⁽⁵⁸⁵⁾⁽⁵⁹¹⁾

Location: Central Anatolia Region,
Kesikköprü Dam Lake⁽⁵⁸⁵⁾; Black Sea

Region, some rainbow trout
enterprises⁽⁵⁹¹⁾

Record: Altunay and Yavuzcan
Yıldız (2008)⁽⁵⁸⁵⁾, Balta *et al.*
(2019)⁽⁵⁹¹⁾

PHYLUM METAMONADA

CLASS TREPOMONADEA

ORDER DISTOMATIDA

FAMILY HEXAMITIDAE

***Hexamita salmonis* (Moore, 1923)
Wenyon, 1926**

Microhabitat: Intestine

Host: *Oncorhynchus mykiss*⁽¹⁹⁴⁾⁽⁵⁵⁴⁾⁽⁵⁸¹⁾
⁽⁵⁸⁸⁾⁽⁵⁹⁷⁾

Location: Black Sea Region,
Rainbow trout cages in the Eastern
Black Sea⁽⁵⁸⁸⁾⁽⁵⁹⁷⁾, culture ponds⁽¹⁹⁴⁾
⁽⁵⁵⁴⁾, Maçka Stream⁽⁵⁸¹⁾

Record: Kayış *et al.* (2009)⁽¹⁹⁴⁾, Ögüt
and Akyol (2005)⁽⁵⁵⁴⁾, Özcelep
(2009)⁽⁵⁸⁸⁾, Ögüt and Akyol
(2005)⁽⁵⁸¹⁾⁽⁵⁹⁷⁾

***Spironucleus salmonicida* Jorgensen
& Sterud 2006**

Synonym: -

Microhabitat: Intestine

Host: *Oncorhynchus mykiss*⁽⁵⁹¹⁾

Location: Black Sea Region,
Rainbow trout cages in the Eastern
Black Sea⁽⁵⁹¹⁾

Record: Balta *et al.* (2019)⁽⁵⁹¹⁾

PHYLUM

PLATYHELMINTHES

CLASS MONOGENEA

SUBCLASS

MONOISTHOCOTYLEA

ORDER DACTYLOGYRIDEA

FAMILY DACTYLOGYRIDAE

***Dactylogyrus* sp.**

Synonym: -

Microhabitat: Gills, skin

Host: *Ctenopharyngodon idella*⁽⁵⁸⁴⁾

Location: Central Anatolia Region,
DSİ fish rearing station⁽⁵⁸⁴⁾

Record: Kırkağaç Uzbilek and
Yavuzcan Yıldız (2002)⁽⁵⁸⁴⁾

***Dactylogyrus anchoratus* (Dujardin,
1845) Wagener, 1857**

Synonym: *Gyrodactylus anchoratus*
Dujardin, 1845, *Gyrodactylus*
auricularis Wedl, 1858

Microhabitat: Gills

Host: *Cyprinus carpio*⁽³⁰⁵⁾⁽⁵⁹⁸⁾

Location: Black Sea Region, Sinop
Çobanlar carp rearing enterprise⁽³⁰⁵⁾,
Marmara Region, Bursa fish rearing
enterprise⁽⁵⁹⁸⁾

Record: Özer (2002)⁽³⁰⁵⁾, Aydoğdu *et al.* (2009)⁽⁵⁹⁸⁾

***Dactylogyrus extensus* Mueller and
Cleave, 1932**

Synonym: *Dactylogyrus hovorkai*
Kastak, 1955, *Dactylogyrus solidus*
Akhmerov, 1948

Microhabitat: Gills

Host: *Cyprinus carpio*⁽³⁰⁵⁾⁽⁵⁹⁸⁾⁽⁵⁹⁹⁾

Location: Black Sea Region, Sinop
Çobanlar carp rearing enterprise⁽³⁰⁵⁾;
Aegean Region-Mediterranean
Region-Marmara Region, fish
producers in Burdur, Manisa, Antalya,
Aydın, Çanakkale cities⁽⁵⁹⁹⁾; Marmara
Region, Bursa fish rearing
enterprise⁽⁵⁹⁸⁾

Record: Özer (2002)⁽³⁰⁵⁾, Aydoğdu *et al.* (2009)⁽⁵⁹⁸⁾, Selver *et al.* (2013)⁽⁵⁹⁹⁾

***Dactylogyrus minutus* Kulwiec, 1927**

Synonym: -

Microhabitat: Gills

Host: *Cyprinus carpio*⁽⁵⁹⁹⁾

Location: Aegean Region-
Mediterranean Region-Marmara
Region, fish producers in Burdur,
Manisa, Antalya, Aydın, Çanakkale
cities⁽⁵⁹⁹⁾

Record: Selver *et al.* (2013)⁽⁵⁹⁹⁾

***Dactylogyrus sphyrna* Linstow, 1878**

Synonym: -

Microhabitat: Skin

Host: *Oncorhynchus mykiss*⁽²⁷⁰⁾⁽²⁷¹⁾

Location: Mediterranean Region,
Seyhan Dam Lake⁽²⁷⁰⁾⁽²⁷¹⁾

Record: İnce (2013)⁽²⁷⁰⁾, İnce and
Uslu (2017)⁽²⁷¹⁾

***Dactylogyrus vastator* Nybelin, 1924**

Synonym: *Dactylogyrus laymani*
Shpolyanskaja, 1953

Microhabitat: Gills

Host: *Oreochromis aureus*⁽⁵⁸⁰⁾,
Oreochromis niloticus⁽⁵⁸⁰⁾

Location: Mediterranean Region,
Çukurova University fish culture
unit⁽⁵⁸⁰⁾

Record: Can and Cengizler
(1999)⁽⁵⁸⁰⁾

***Gyrodactylus elegans* von
Nordmann, 1832**

Synonym: *Gyrodactylus parvicopula*
Bychowsky, 1933

Microhabitat: Skin

Host: *Cyprinus carpio*⁽⁶⁰⁰⁾

Location: Central Anatolia Region,
Ankara University fish culture unit
with aquaponic system⁽⁶⁰⁰⁾

Record: Yavuzcan Yıldız and Bekcan
(2020)⁽⁶⁰⁰⁾

***Gyrodactylus* sp.**

Synonym: -

Microhabitat: Skin, fins, Gills

Host: *Oncorhynchus mykiss*⁽⁵⁸¹⁾,
Cyprinus carpio⁽⁵⁹⁹⁾, *Salmo labrax*⁽⁶⁰¹⁾

Location: Black Sea Region, Maçka
Stream⁽⁵⁸¹⁾, Doğu Karadenizde Fish
çiftlikleri⁽⁶⁰¹⁾; Aegean Region-
Mediterranean Region-Marmara
Region, fish producers in Burdur,
Manisa, Antalya, Aydın, Çanakkale
cities⁽⁵⁹⁹⁾

Record: Ögüt and Akyol (2007)⁽⁵⁸¹⁾, Selver *et al.* (2013)⁽⁵⁹⁹⁾, Balta (2020)⁽⁶⁰¹⁾

***Paradiplozoon homoion* (Bychowsky & Nagibina, 1959)**

Synonym: *Diplozoon homoion* Bychowsky & Nagibina, 1959, *Diplozoon scardinii* Komarova, 1966

Microhabitat: Gills

Host: *Cyprinus carpio*⁽⁵⁹⁸⁾⁽⁵⁹⁹⁾

Location: Aegean Region-Mediterranean Region-Marmara Region, fish producers in Burdur, Manisa, Antalya, Aydın, Çanakkale cities⁽⁵⁹⁹⁾, Marmara Region, Bursa Fish üretim çiftliği⁽⁵⁹⁸⁾

Record: Aydoğdu *et al.* (2009)⁽⁵⁹⁸⁾, Selver *et al.* (2013)⁽⁵⁹⁹⁾

CLASS TREMATODA

SUBCLASS DIGenea ORDER PLAGIORCHIIDEA FAMILY ALLOCREADIIDAE

***Crepidostomum farionis* (Müller, 1780) Lühe, 1909**

Synonym: *Crepidostomum baicalense* Layman, 1933, *Crepidostomum baicalensis* Layman, 1933 (misspelling), *C. laureatum* (Zeder, 1800) Braun, 1900, *C. ussuriense* Layman, 1930, *C. ussuriensis* Layman, 1930 (misspelling), *C. vitellobum* (Faust, 1918) Hopkins, 1931, *Crossodera laureata* (Zeder, 1800) Cobbold, 1860, *Distoma farionis* (Müller, 1780) Blanchard, 1891, *Distoma laureatum* Zeder, 1800, *Fasciola farionis* Müller, 1780, *Fasciola laureata* (Zeder, 1800) Rudolphi, 1802, *Fasciola truttae* Frölich, 1784, *Stephanophiala laureata* (Zeder, 1800) Nicoll, 1909, *Stephanophiala vitelloba* Faust, 1918
Microhabitat:
Host: *Oncorhynchus mykiss*⁽⁶⁰²⁾

Location: Eastern Anatolia Region, Elazığ Fish Çiftliği⁽⁶⁰²⁾

Record: Dörücü (2000)⁽⁶⁰²⁾

FAMILY DIPLOSTOMIDAE

***Diplostomum* sp.**

Synonym: -

Microhabitat: Eye

Host: *Oncorhynchus mykiss*⁽⁵⁹⁰⁾⁽⁶⁰³⁾

Location: Aegean Region, Çivril Işıklı Stream⁽⁵⁹⁰⁾, South- Eastern Anatolia Region, Karkamış Dam Lake⁽⁶⁰³⁾

Record: Sözeren Çevrimel and Soylu (2017)⁽⁵⁹⁰⁾, Tokşen *et al.* (2015)⁽⁶⁰³⁾

CLASS CESTODA

ORDER ONCHOPROTEOCEPHALIDEA FAMILY DIPHYLLOBOTHRIIDAE

***Ligula intestinalis* (Linnaeus, 1758) Gmelin, 1790**

Synonym: -

Microhabitat: Digestive system

Host: *Ctenopharingodon idella*⁽⁵⁸⁴⁾

Location: Central Anatolia Region, DSİ fish rearing station⁽⁵⁸⁴⁾

Record: Kırkağaç Uzbilek and Yavuzcan Yıldız (2002)⁽⁵⁸⁴⁾

FAMILY

BOTHRIOCEPHALIDAE

***Bothriocephalus acheilognathi* Yamaguti, 1934**

Synonym: *Bothriocephalus gowkongensis*,

Microhabitat: Digestive system

Host: *Ctenopharingodon idella*⁽⁵⁸⁴⁾

Location: Central Anatolia Region, DSİ fish rearing station⁽⁵⁸⁴⁾

Record: Kırkağaç Uzbilek and Yavuzcan Yıldız (2002)⁽⁵⁸⁴⁾

PHYLUM NEMATODA

CLASS CHROMADOREA

SUBCLASS CHROMADORIA

ORDER SPIRURIDA

FAMILY RAPHADISCIRIDIDAE

Hysterothylacium aduncum (Rudolphi, 1802)

Synonym: *Ascaris adunca* Rudolphi, 1802, *Ascaris clavata* Rudolphi, 1809, *Contracaecum aduncum* (Rudolphi, 1802), *C. benimasu* Fujita, 1932, *C. clavatum* (Rudolphi, 1809) Baylis, 1920, *C. crassicaudatum* Fujita, 1939, *C. elongatum* Fujita, 1939, *C. hippoglossi* Fujita, 1932, *C. hypomesi* Fujita, 1932, *C. longispiculum* Fujita, 1940, *C. mesopi* Fujita, 1940, *C. ochotense* Fujita, 1932, *C. okadai* Fujita, 1940, *C. oshoroensis* Fujita, 1940, *C. salvelini* Fujita, 1940, *Hysterothylacium clavatum* (Rudolphi, 1809), *Hysterothylacium longispiculum* (Fujita, 1940), *H. okadai* (Fujita, 1940) Deardorff & Overstreet, 1981, *H. salvelini* (Fujita, 1940) Deardorff & Overstreet, 1981, *Thynnascaris aduncum* Rudolphi
Microhabitat: Digestive system
Host: *Oncorhynchus mykiss*⁽⁶⁰⁴⁾
Location: Eastern Anatolia Region, Keban Dam Lake⁽⁶⁰⁴⁾
Record: Sağlam (2013)⁽⁶⁰⁴⁾

Hysterothylacium gadi aduncum (Rudolphi, 1802)

Synonym: *Ascaris adunca* (Rudolphi, 1802), *Contracaecum benimasu* (Fujita, 1932), *C. hippoglossi* (Fujita, 1932), *C. hypomesi* (Fujita, 1932), *C. ochotense* (Fujita, 1932), *C. crassicaudatum* (Fujita, 1939), *C. elongatum* (Fujita, 1939), *C. longispiculum* (Fujita, 1940), *C. mesopi* (Fujita, 1940), *C. okada* (Fujita, 1940), *C. oshoroensis*

(Fujita, 1940), *C. okadai* (Fujita, 1940), *C. salvelini* (Fujita, 1940)

Microhabitat: Pyloric caeca, intestine

Host: *Oncorhynchus mykiss*⁽⁶⁰⁵⁾

Location: Black Sea Region, Derbent Dam Lake⁽⁶⁰⁵⁾

Record: Pekmezci and Umur (2015)⁽⁶⁰⁵⁾

FAMILY SKRJABILLANIDAE

Schulmanella petruschewskii (Schulman, 1948) Ivashkin, 1964

Synonym: *Capillaria acerinae* Thieme, 1961

Microhabitat: Liver

Host: *Oncorhynchus mykiss*⁽⁶⁰⁶⁾

Location: Black Sea Region, Derbent Dam Lake⁽⁶⁰⁶⁾

Record: Pekmezci and Umur (2010)⁽⁶⁰⁶⁾

PHYLUM ARTHROPODA

SUBPHYLUM CRUSTACEA FAMILY LERNAEIDAE

Lernaea sp.

Synonym: -

Microhabitat: Gills

Host: *Oncorhynchus mykiss*⁽⁵⁸²⁾⁽⁶⁰⁷⁾⁽⁶⁰⁸⁾

Location: Aegean Region, Aydın Bozdoğan territory some rainbow trout rearing enterprises⁽⁵⁸²⁾, Mediterranean Region, Osmaniye Kalecik Dam Lake⁽⁶⁰⁷⁾, Isparta Sücüllü Dam Lake⁽⁶⁰⁸⁾

Record: Şimşek and Aldemir (2020)⁽⁵⁸²⁾, Kurumuş and Cengizler (2020)⁽⁶⁰⁷⁾, Tokşen et al. (2013)⁽⁶⁰⁸⁾

SUBCLASS BRANCHIURA FAMILY ARGULIDAE

Argulus foliaceus (Linnaeus, 1758)

Synonym: *Argulus argulus* Leach, 1814, *Argulus armiger* Müller O.F., 1785, *Argulus charon* Müller O.F., 1785, *Argulus delphinus* Müller O.F., 1785, *Argulus rothschildi* Leigh-Sharpe, 1933, *Argulus viridis* Nettovich, 1900, *Monoculus foliaceus* Linnaeus, 1758, *Monoculus gyrini* Cuvier, 1798, *Ozolus gasterostei* Latreille, 1802

Microhabitat: Gills, fins, skin, mouth

Host: *Cyprinus carpio*⁽⁵⁹⁸⁾⁽⁶⁰⁹⁾

Location: Marmara Region, Bursa

Fish culture unit⁽⁵⁹⁸⁾, Black Sea

Region, Samsun Fish ponds⁽⁶⁰⁹⁾

Record: Aydoğdu *et al.* (2009)⁽⁵⁹⁸⁾, Pekmezci *et al.* (2011)⁽⁶⁰⁹⁾

PHYLUM

ACANTHOCEPHALA

CLASS

PALAEACANTHOCEPHALA

ORDER ECHINORHYNCHIDA

FAMILY POMPORHYNCHIDAE

Pomphorhynchus laevis (Zoega in Mueller, 1776)

Synonym: -

Microhabitat: Intestine, pyloric caeca

Host: *Oncorhynchus mykiss*⁽⁵⁹⁰⁾⁽⁶¹⁰⁾

Location: Aegean Region, Çivril

Işıklı Stream⁽⁵⁹⁰⁾, Çivril Işıklı Stream cages⁽⁶¹⁰⁾

Record: Sözeren Çevrimel and Soylu (2017)⁽⁵⁹⁰⁾, Görmez *et al.* (2019)⁽⁶¹⁰⁾

PHYLUM MYZOOZA

INFRAPHYLUM SPOROZOA

CLASS CONOIDASIDA

ORDER EUCOCCIDIORIDA

FAMILY EIMERIIDAE

Eimeria truttae (Leger & Hesse, 1919) Stankovitch, 1924

Synonym: -

Microhabitat: Intestine

Host: *Oncorhynchus mykiss*⁽⁶¹¹⁾

Location: Eastern Anatolia Region,

Rainbow trout culture facility in Keban⁽⁶¹¹⁾

Record: Sağlam and Pala (2008)⁽⁶¹¹⁾

CULTURED FRESHWATER FISH HOST –PARASITE LIST

FAMILY CICHLIDAE

***Coptodon rendalli* (Boulenger, 1897) (Redbreast tilapia)**

Synonym: *Chromis rendalli* Boulenger, 1897, *Chromis rendallii* Boulenger, 1897 (misspelling), *Tilapia christyi* Boulenger, 1915, *Tilapia druryi* Gilchrist & Thompson, 1917, *Tilapia gefuensis* Thys van den Audenaerde, 1964, *Tilapia kirkhami* Gilchrist & Thompson, 1917, *Tilapia latifrons* Boulenger, 1906, *Tilapia mackeani* Gilchrist & Thompson, 1917, *Tilapia melanopleura rendalli* (Boulenger, 1897), *Tilapia melanopleura swierstrae* Gilchrist & Thompson, 1917, *Tilapia rendalii* (Boulenger, 1897) (misspelling), *Tilapia rendalli* (Boulenger, 1897), *Tilapia rendalli gefuensis* Thys van den Audenaerde, 1964, *Tilapia rendalli rendalli* (Boulenger, 1897), *Tilapia rendalli swierstrae* Gilchrist & Thompson, 1917, *Tilapia rendallis* (Boulenger, 1897) (misspelling), *Tilapia sexfasciata* Pellegrin, 1900, *Tilapia swierstrae* Gilchrist & Thompson, 1917, *Tilapia sykesii* Gilchrist & Thompson, 1917

CILIOPHORA

Chilodonella cyprini (Moroff, 1902) Strand, 1928⁽⁵⁸³⁾

***Coptodon zillii* (Gervais, 1848) (Redbelly tilapia)**

Synonym: *Tilapia zillii* (Gervais, 1848), *Tilapia zillei* (Gervais,

1848), *Tilapia zillii* (Gervais, 1848), *Tilapia faidherbi* (Rochebrune, 1880), *Tilapia melanopleura* (Dumeril, 1861), *Tilapia menzalensis* (Mitchell, 1895), *Tilapia multiradiata* (Holly, 1928), *Tilapia shariensis* (Fowler, 1949), *Tilapia sparrmani* multiradiata (Holly, 1928), *Tilapia tristrami* (Gunther, 1860), *Acerina zillii* Gervais, 1848, *Acerina zilli*, (Gervais, 1848), *Chromis andreae* (Gunther, 1864), *Chromis coeruleomaculatus* (Rochebrune, 1880), *Chromis faidherbii* (Rochebrune, 1880), *Chromis melanopleura* (Dumeril, 1861), *Chromis menzalensis* (Mitchell, 1895), *Chromis tristrami* (Gunther, 1860), *Chromis zillii*, (Gervais, 1848), *Coptodon zillii* (Gervais, 1848), *Coptodus zillii* (Gervais, 1848), *Glyphisodon zillii* (Gervais, 1848), *Haligenes tristrami* (Gunther, 1860), *Sarotherodon zillei* (Gervais, 1848), *Sarotherodon zillii* (Gervais, 1848), *Chromis niloticus* (non Linnaeus, 1758) (misspelling), *Tilapia sparrmanii* (non Smith, 1840) (misspelling), *Chromis mossambicus* (non Peters, 1852) (misspelling), *Tilapia christyi* (non Boulenger, 1915) (misspelling)

CILIOPHORA

Chilodonella cyprini (Moroff, 1902) Strand, 1928⁽⁵⁸³⁾

***Sarotherodon galilaeus* (L., 1758) (Mango tilapia)**

Synonym: *Chromis galilaeus* (Linnaeus, 1758), *Chromis lateralis*

(Duméril, 1861), *Chromis microstomus* Lortet, 1883, *Chromis multifasciatus* Günther, 1903, *Chromis pleuromelas* (Duméril, 1861), *Chromis tiberiadis* Lortet, 1883, *Sarotherodon galilaeum* (Linnaeus, 1758), *Sarotherodon galilaeus galilaeus* (Linnaeus, 1758), *Sarotherodon galilaeus sanagaensis* (Thys van den Audenaerde, 1966), *Sarotherodon galileus* (Linnaeus, 1758) (misspelling), *Sparus galilaeus* Linnaeus, 1758, *Tilapia borkuana* Pellegrin, 1919, *Tilapia boulengeri* Pellegrin, 1903, *Tilapia galilaea* (Linnaeus, 1758), *Tilapia galilaea galilaea* (Linnaeus, 1758), *Tilapia galilaea pleuromelas* Duméril, 1861, *Tilapia lateralis* Duméril, 1861, *Tilapia macrocentra* Duméril, 1861, *Tilapia microstoma* (Lortet, 1883), *Tilapia pleuromelas* Duméril, 1861, *Tilapia sanagaensis* Thys van den Audenaerde, 1966

CILIOPHORA

Chilodonella cyprini (Moroff, 1902) Strand, 1928⁽⁵⁸³⁾

***Oreochromis aureus*
(Steindachner, 1864)
(Blue tilapia)**

Synonym: *Chromis aureus* Steindachner, 1864, *Oreochromis aureus* (Steindachner, 1864) (misspelling), *Oreochromis aurea* (Steindachner, 1864) (misspelling), *Sarotherodon aureum* (Steindachner, 1864) (misspelling), *Sarotherodon aureus* (Steindachner, 1864), *Tilapia aurea* (Steindachner, 1864), *Tilapia aurea*

exul Steinitz, 1951, *Tilapia kacherbi* Wunder, 1960, *Tilapia kashabi* Elster, 1958, *Tilapia lemasoni* Blache & Miton, 1960, *Tilapia monodi* Daget, 1954, *Tilapia nilotica exul* Steinitz, 1951

CILIOPHORA

Chilodonella cyprini (Moroff, 1902) Strand, 1928⁽⁵⁸⁰⁾⁽⁵⁸³⁾
Trichodina acuta Lom, 1961⁽⁵⁸⁰⁾

MONOGENENA

Dactylogyrus vastator Nybelin, 1924⁽⁵⁸⁰⁾

***Oreochromis niloticus*
(L., 1758)
(Nile tilapia)**

Synonym: *Chromis guentheri* Steindachner, 1864, *Chromis nilotica* (Linnaeus, 1758), *Chromis niloticus* (Linnaeus, 1758), *Oreochromis cancellatus cancellatus* (Nichols, 1923), *Oreochromis nilotica* (Linnaeus, 1758), *Oreochromis niloticus* (Linnaeus, 1758) (misspelling), *Oreochromis niloticus cancellatus* (Nichols, 1923), *Oreochromis niloticus filoa* Trewavas, 1983, *Oreochromis niloticus niloticus* (Linnaeus, 1758), *Oreochromis niloticus tana* Seyoum & Kornfield, 1992, *Oreochromis niloticus vulcani* (Trewavas, 1933), *Perca nilotica* Linnaeus, 1758, *Sarotherodon niloticus* (Linnaeus, 1758), *Tilapia calciati* Gianferrari, 1924, *Tilapia cancellata* Nichols, 1923, *Tilapia eduardiana* Boulenger, 1912, *Tilapia inducta* Trewavas, 1933, *Tilapia nilotica*

(Linnaeus, 1758), *Tilapia nilotica cancellata* Nichols, 1923, *Tilapia nilotica nilotica* (Linnaeus, 1758), *Tilapia nilotica* (Linnaeus, 1758), *Tilapia regani* Poll, 1932, *Tilapia vulcani* Trewavas, 1933

CILIOPHORA

Chilodonella cyprini (Moroff, 1902) Strand, 1928⁽⁵⁸⁰⁾⁽⁵⁸³⁾
Trichodina acuta Lom, 1961⁽⁵⁸⁰⁾

MONOGENENA

Dactylogyrus vastator
 Nybelin, 1924⁽⁵⁸⁰⁾

FAMILY CYPRINIDAE

Ctenopharyngodon idella
(Valenciennes, 1844)
(Grass carp)

Synonym: *Leuciscus idella* Valenciennes, 1844, *Leuciscus idellus* Valenciennes, 1844, *Leuciscus tschiliensis* Basilewsky, 1855, *Ctenopharingodon idellus* (Valenciennes, 1844), *Ctenopharyngodon idellus* (Valenciennes, 1844) (misspelling), *Ctenopharingodon idella* (Valenciennes, 1844) (misspelling), *Ctenopharyngodon idella* (Valenciennes, 1844) (misspelling), *Ctenopharyngodon idellos* (Valenciennes, 1844) (misspelling), *Ctenopharyngodon laticeps* Steindachner, 1866, *Sarcocheilichthys teretiusculus* Kner, 1867, *Pristiodon siemionovii* Dybowski, 1877

CILIOPHORA

Trichodina sp.⁽⁵⁸⁴⁾
Chilodonella sp.⁽⁵⁸⁴⁾
Ichthyophthirius multifiliis
 Fouquet, 1876⁽⁵⁸⁴⁾

MONOGENEA

Dactylogyrus sp.⁽⁵⁸⁴⁾

CESTODA

Bothriocephalus acheilognathi Yamaguti, 1934⁽⁵⁸⁴⁾
Ligula intestinalis (Linnaeus, 1758) Gmelin, 1790⁽⁵⁸⁴⁾

***Cyprinus carpio* L., 1758**
(Common carp)

Synonym: *Carpio carpio gibbosus* (Kessler, 1856), *Carpio flavipinna* (Valenciennes, 1842), *Carpio vulgaris* Rapp, 1854, *Cyprinus acuminatus* Heckel & Kner, 1858, *Cyprinus alepidotus* Bloch, 1784, *Cyprinus angulatus* Heckel, 1843, *Cyprinus atrovirens* Richardson, 1846, *Cyprinus bithynicus* Richardson, 1857, *Cyprinus carpio anatolicus* Hankó, 1925, *Cyprinus carpio aralensis* Spiczakow, 1935, *Cyprinus carpio brevicirri* Misik, 1958, *Cyprinus carpio carpio* Linnaeus, 1758, *Cyprinus carpio caspicus* Walbaum, 1792, *Cyprinus carpio communis* Linnaeus, 1758, *Cyprinus carpio elongatus* Walecki, 1863, *Cyprinus carpio fluviatilis* Pravdin, 1945, *Cyprinus carpio haematopterus* Martens, 1876, *Cyprinus carpio lacustris* Fitzinger, 1832, *Cyprinus carpio longicirri* Misik, 1958, *Cyprinus carpio monstrosus* Walecki, 1863, *Cyprinus carpio oblongus* Antipa, 1909, *Cyprinus carpio specularis* Lacepède, 1803, *Cyprinus carpio* var. *gibbosus* Kessler, 1856, *Cyprinus carpio* var. *aematopterus* Martens, 1876, *Cyprinus chinensis* Basilewsky, 1855, *Cyprinus cirrosus* Schaeffer, 1760, *Cyprinus conirostris* Temminck & Schlegel, 1846, *Cyprinus coriaceus* Lacepède, 1803, *Cyprinus elatus* Bonaparte, 1836, *Cyprinus festetitsii* Bonaparte, 1845, *Cyprinus hungaricus* Heckel, 1837, *Cyprinus macrolepidotus* Meidinger, 1794, *Cyprinus macrolepidotus* Hartmann, 1827,

Cyprinus mahuensis Liu & Ding, 1982, *Cyprinus melanotus* Temminck & Schlegel, 1846, *Cyprinus nordmannii* Valenciennes, 1842, *Cyprinus nudus* Bloch, 1784, *Cyprinus regina* Bonaparte, 1836, *Cyprinus regius* Nau, 1791, *Cyprinus rex* Walbaum, 1792, *Cyprinus rexcyprinorum* Bloch, 1782, *Cyprinus rondeletii* Shaw, 1802, *Cyprinus specularis* Lacepède, 1803, *Cyprinus thermalis* Heckel, 1843, *Cyprinus tossicole* Elera, 1895, *Cyprinus viridescens* Lacepède, 1803, *Cyprinus vittatus* Valenciennes, 1842

CILIOPHORA

Trichodina acuta Lom, 1961
(18)(263)(264)(266)(267)

Trichodina mutabilis
Kazubski & Migala, 1968⁽²⁶³⁾
(264)(266)

Trichodina nigra Lom, 1960
(263)(264)(266)

MONOGENEA

Dactylogyrus anchoratus
(Dujardin, 1845) Wagener,
1857⁽³⁰⁵⁾⁽⁵⁹⁸⁾⁽⁵⁹⁹⁾

Dactylogyrus extensus
Mueller and Cleave, 1932⁽³⁰⁵⁾
(598)(599)

Dactylogyrus minutus
Kulwiec, 1927⁽⁵⁹⁹⁾

Dactylogyrus vastator
Nybelin, 1924⁽⁵⁸⁰⁾

Gyrodactylus elegans von
Nordmann, 1832⁽⁶⁰⁰⁾

Gyrodactylus sp.⁽⁵⁹⁹⁾

Paradiplozoon homoion
(Bychowsky & Nagibina,
1959)⁽⁵⁹⁸⁾⁽⁵⁹⁹⁾

CRUSTACEA

Argulus foliaceus (L.,
1758)⁽⁵⁹⁸⁾⁽⁶⁰⁹⁾

FAMILY SALMONIDAE

Oncorhynchus mykiss
(Walbaum, 1792)
(Rainbow trout)

Synonym: *Fario gairdneri*
(Richardson, 1836),
Onchorhynchus mykiss (Walbaum,
1792) (misspelling), *Onchorhynchus*
mykiss (Walbaum, 1792)
(misspelling), *Oncorhynchus*
gairdnerii (Richardson, 1836),
Oncorhynchus kamloops Jordan,
1892, *Oncorhynchus mykiss nelsoni*
Evermann, 1908, *Oncorhynchus*
muskis (Walbaum, 1792)
(misspelling), *Parasalmo mykiss*
(Walbaum, 1792), *Parasalmo*
penshinensis (Pallas, 1814), *Salmo*
gairdneri Richardson, 1836, *Salmo*
gairdneri irideus Gibbons, 1855,
Salmo gairdneri shasta Jordan,
1894, *Salmo gairdnerii* Richardson,
1836, *Salmo gairdnerii gairdnerii*
Richardson, 1836, *Salmo gairdnerii*
irideus Gibbons, 1855, *Salmo*
gilberti Jordan, 1894, *Salmo iridea*
Gibbons, 1855, *Salmo irideus*
Gibbons, 1855, *Salmo irideus*
argentatus Bajkov, 1927, *Salmo*
kamloops (Jordan, 1892), *Salmo*
kamloops whitehousei Dymond,
1931, *Salmo masoni* Suckley, 1860,
Salmo mykiss Walbaum, 1792,
Salmo nelsoni Evermann, 1908,
Salmo penshinensis Pallas, 1814,
Salmo purpuratus Pallas, 1814,
Salmo rivularis Ayres, 1855, *Salmo*
rivularis kamloops (Jordan, 1892),
Salmo truncatus Suckley, 1859,
Trutta iridea (Gibbons, 1855)

CILIOPHORA

Ambiphrya sp.⁽⁵⁸⁸⁾

Apiosoma piscicolum

Blanchard, 1885⁽⁵⁸¹⁾

Apiosoma sp.⁽⁵⁸⁵⁾⁽⁵⁸⁸⁾

Chilodonella cyprini (Moroff,
1902) Strand, 1928⁽⁵⁹³⁾⁽⁵⁹⁴⁾

Chilodonella piscicola

Zacharias, 1894⁽⁵⁸¹⁾

Chilodonella sp.⁽¹⁹⁴⁾⁽⁵⁸⁵⁾⁽⁵⁸⁶⁾

Epistylis sp.⁽⁵⁸⁵⁾⁽⁵⁸⁸⁾

- Ichthyopithirius multifiliis*
Fouquet, 1876⁽¹⁹⁴⁾⁽²⁵⁶⁾⁽⁵⁸¹⁾⁽⁵⁸⁶⁾
⁽⁵⁸⁷⁾⁽⁵⁸⁸⁾⁽⁵⁸⁹⁾⁽⁵⁹⁰⁾⁽⁵⁹³⁾⁽⁵⁹⁴⁾⁽⁵⁹⁵⁾⁽⁵⁹⁶⁾
- Trichodina claviformis*
Dobberstein & Palm, 2000⁽⁵⁸¹⁾
- Trichodina domerguei*
Wallengren, 1897⁽²⁵⁶⁾⁽²⁷⁰⁾
- Trichodina fultoni* Davis
1947⁽⁵⁸²⁾
- Trichodina nigra* Lom,
1960⁽²⁵⁶⁾⁽⁵⁹⁴⁾
- Trichodina* sp.⁽⁵⁸⁵⁾⁽⁵⁸⁶⁾⁽⁵⁸⁷⁾⁽⁵⁸⁸⁾
⁽⁵⁸⁹⁾⁽⁵⁹⁰⁾⁽⁵⁹³⁾
- Trichodinella* sp.⁽²⁵⁶⁾
- Tripartiella* sp.⁽⁵⁸⁵⁾
- EUGLENOZOA
- Ichthyobodo necator*
(Henneguy, 1883) Pinto,
1928⁽⁵⁹³⁾⁽⁵⁸¹⁾⁽⁵⁸⁷⁾⁽⁵⁸⁸⁾
- Ichthyobodo* sp.⁽⁵⁸⁵⁾
- METAMONADA
- Hexamita salmonis* (Moore,
1923) Wenyon, 1926⁽¹⁹⁴⁾⁽⁵⁵⁴⁾
⁽⁵⁸¹⁾⁽⁵⁸⁸⁾⁽⁵⁹⁷⁾
- Spironucleus salmonicida*
Jorgensen & Sterud 2006⁽⁵⁹¹⁾
- MONOGENEA
- Dactylogyrus sphyrna*
Linstow, 1878⁽²⁷⁰⁾
- Gyrodactylus* sp.⁽⁵⁸¹⁾
- MYZOOZOA
- Eimeria truttae* (Leger &
Hesse, 1919) Stankovitch,
1924⁽⁶¹¹⁾
- TREMATODA
- Crepidostomum farionis*
(Müller, 1780) Lühe, 1909⁽⁶⁰²⁾
- Diplostomum* sp.⁽⁵⁹⁰⁾⁽⁶⁰³⁾
- NEMATODA
- Hysterothylacium aduncum*
(Rudolphi, 1802)⁽⁶⁰⁴⁾
- Hysterothylacium gadi*
aduncum (Rudolphi, 1802)⁽⁶⁰⁵⁾
- Schulmanella petruschewskii*
(Schulman, 1948) Ivashkin,
1964⁽⁶⁰⁶⁾
- ACANTHOCEPHALA
- Pomphorhynchus laevis*
(Zoega in Mueller, 1776)⁽⁵⁹⁰⁾
⁽⁶¹⁰⁾
- CRUSTACEA
- Lernaea* sp.⁽⁵⁸²⁾⁽⁶⁰⁷⁾⁽⁶⁰⁸⁾
- Salmo coruhensis* Turan, Kottelat
& Engin, 2010
(Coruh trout)**
- Synonym: -**
- CILIOPHORA
- Ambiphrya* sp.⁽⁵⁹²⁾
- Apiosoma* sp.⁽⁵⁹²⁾
- Epistylis* sp.⁽⁵⁹²⁾
- Vorticella* sp.⁽⁵⁹²⁾
- Salvelinus fontinalis*
(Mitchill, 1814)
(Brook trout)**
- Synonym: *Baione fontinalis***
(Mitchill, 1814), *Salmo canadensis*
Griffith & Smith, 1834, *Salmo*
fontinalis Mitchill, 1814, *Salmo*
hudsonicus Suckley, 1861,
Salvelinus fontinalis timagamiensis
Henn & Rinckenbach, 1925,
Salvelinus timagamiensis Henn &
Rinckenbach, 1925
- CILIOPHORA
- Ichthyopithirius multifiliis*
Fouquet, 1876⁽¹⁹⁴⁾⁽⁵⁸⁷⁾⁽⁵⁸⁸⁾
- Trichodina* sp.⁽⁵⁸⁷⁾⁽⁵⁸⁸⁾
- Salmo labrax* Pallas, 1814
(Black Sea salmon)**
- Synonym: *Fario marsilii* Heckel,**
1851, *Salmo fario alba* Meidinger,
1794, *Salmo lacustris excelsa*
Fatio, 1890, *Salmo microlepis*
Günther, 1866, *Salmo pallasii*
Günther, 1866, *Salmo trutta labrax*
Pallas, 1814, *Trutta ungeri*
Vásárhelyi, 1940
- MONOGENEA
- Gyrodactylus* sp.⁽⁶⁰¹⁾

***Salmo trutta fario* L., 1758
(Sea trout)**

Synonym: -

CILIOPHORA

Ichthyopithirius multifiliis

Fouquet, 1876⁽⁵⁸⁷⁾(588)

Trichodina sp.⁽⁵⁸⁷⁾

EUGLENOZOA

Ichthyobodo necator

(Henneguy, 1883) Pinto,

1928⁽⁵⁸⁷⁾(588)

PARASITE – AQUARIUM FISH HOST LIST

PHYLUM CILIOPHORA

CLASS OLIGOHYMENOPHOREA SUBCLASS PERITRICHIA ORDER PERITRICHIDA SUBORDER MOBILINA

FAMILY TRICHODINIDAE

Trichodina heterodontata Duncan, 1977

Synonym: *Trichodinella heterodontata* (Duncan, 1977)
Microhabitat: Skin, gills
Host: *Sciaenochromis fryeri*⁽⁶¹²⁾,
Poecilia sphenops⁽⁶¹²⁾
Location: Mediterranean Region.
Some aquarium fish shop in
Antalya⁽⁶¹²⁾
Record: Çelik and Korun (2018)⁽⁶¹²⁾

Trichodina nigra Lom, 1960

Synonym: -
Microhabitat: Skin, gills
Host: *Carassius auratus*⁽⁶¹³⁾
Location: Mediterranean Region.
Five aquarium fish shop in Mersin
and some amateur fishermen⁽⁶¹³⁾
Record: Koyuncu (2002)⁽⁶¹³⁾

Trichodina pediculus Ehrenberg, 1831

Synonym: -
Microhabitat: Skin, gills
Host: *Poecilia sphenops*⁽⁶¹²⁾, *Poecilia velifera*⁽⁶¹²⁾, *Labidochromis caeruleus*⁽⁶¹²⁾, *Pseudotropheus socolofi*⁽⁶¹²⁾
Location: Mediterranean Region.
Some aquarium fish shops in
Antalya⁽⁶¹²⁾
Record: Çelik and Korun (2018)⁽⁶¹²⁾

Trichodina sp.

Synonym: -
Microhabitat: Skin, gills

Host: *Carassius* sp.⁽⁶¹⁴⁾⁽⁶¹⁵⁾, *Peckoltia* sp.⁽⁶¹⁵⁾, *Carassius auratus*⁽⁶¹⁶⁾⁽⁶¹⁷⁾⁽⁶¹⁸⁾
⁽⁶¹⁹⁾⁽⁶²⁰⁾⁽⁶²¹⁾, *Symphysodon discus*⁽⁶¹⁸⁾
⁽⁶²²⁾, *Cichlasoma* sp.⁽⁶¹⁸⁾, *Xiphophorus maculatus*⁽⁶¹⁸⁾⁽⁶²²⁾⁽⁶²³⁾, *Heros efasciatus*⁽⁶²⁰⁾, *Labidochromis caeruleus*⁽⁶²⁰⁾, *Desmopuntius rhomboocellatus*⁽⁶²²⁾, *Betta splendens*⁽⁶²²⁾, *Carassius* sp.⁽⁶²²⁾, *Peckoltia vittata*⁽⁶²²⁾, *Epalzeorhynchus bicolor*⁽⁶²²⁾, *Poecilia velifera*⁽⁶²²⁾, *Pangasius* sp.⁽⁶²²⁾, *Poecilia reticulata*⁽⁶²¹⁾⁽⁶²²⁾⁽⁶²³⁾, *Poecilia sphenops*⁽⁶²²⁾, *Pterophyllum* sp.⁽⁶²²⁾, *Xiphophorus hellerii*⁽⁶²²⁾⁽⁶²³⁾, *Poecilia latipinna*⁽⁶²³⁾, *Pangasius pangasius*⁽⁶²⁴⁾

Location: Some fish imported to
Turkey⁽⁶¹⁵⁾⁽⁶¹⁶⁾; Central Anatolia Region. Garden of Ankara Museum
Directorate⁽⁶¹⁴⁾, Some aquarium fish
shops in Ankara⁽⁶²²⁾, Some aquarium
fish shops in Konya⁽⁶²¹⁾;
Mediterranean Region. Some
aquarium fish shops in Antalya⁽⁶¹⁹⁾,
An aquarium fish shop in Mersin⁽⁶¹⁷⁾,
Aquarium fish shop in Mersin⁽⁶¹⁸⁾,
Some aquarium fish shops in
Mersin⁽⁶²³⁾; Black Sea Region. Some
aquarium fish shops in Rize and
Istanbul⁽⁶²⁰⁾; Aegean Region.
Imported fish to Izmir⁽⁶²⁴⁾

Record: Burgu and Oğuz (1984)⁽⁶¹⁴⁾,
Mefut *et al.* (2017)⁽⁶¹⁵⁾, Şahin
(2004)⁽⁶¹⁶⁾, Koyuncu (2006)⁽⁶¹⁷⁾,
Koyuncu (2009)⁽⁶¹⁸⁾, Bulguroğlu and
Korun (2013)⁽⁶¹⁹⁾, Kayış *et al.*
(2013)⁽⁶²⁰⁾, Kerek (2016)⁽⁶²¹⁾, Doğanay
et al. (1989)⁽⁶²²⁾, Koyuncu and
Cengizler (2002)⁽⁶²³⁾, Tokşen *et al.*
(2014)⁽⁶²⁴⁾

Trichodinella sp.

Synonym: -
Microhabitat: Gills
Host: *Carassius* sp.⁽⁶¹⁴⁾
Location: Central Anatolia Region.
Garden of Ankara Museum
Directorate⁽⁶¹⁴⁾
Record: Burgu and Oğuz (1984)⁽⁶¹⁴⁾

SUBCLASS PERITRICHIA

**ORDER PERITRICHIDA
SUBORDER SESSILINA
FAMILY SCYPHIDIIDAE**

***Ambiphrya* sp.**

Synonym: -
Microhabitat: Gills, fins, skin
Host: *Poecilia reticulata*⁽⁶²⁵⁾
Location: Black Sea Region, An aquarium fish shop in Rize⁽⁶²⁵⁾
Record: Kayış *et al.* (2005)⁽⁶²⁵⁾

***Apiosoma* sp.**

Synonym: -
Microhabitat: Gills
Host: *Carassius* sp.⁽⁶¹⁴⁾
Location: Central Anatolia Region, Garden of Ankara Museum Directorate⁽⁶¹⁴⁾
Record: Burgu and Oğuz (1984)⁽⁶¹⁴⁾

***Epistylis* sp.**

Synonym: -
Microhabitat: Gills, skin
Host: *Carassius auratus*⁽⁶²⁰⁾
Location: Black Sea Region, Some aquarium fish shops in Rize and Istanbul⁽⁶²⁰⁾
Record: Kayış *et al.* (2013)⁽⁶²⁰⁾

**CLASS
KINETOPHRAGMINOPHOREA
SUBCLASS HYPOSTOMATA
ORDER CYRTOPHORIDA
FAMILY CHILODONELLIDAE**

***Chilodonella cyprini* (Moroff, 1902)
Strand, 1928**

Synonym: -
Microhabitat: Gills
Host: *Carassius auratus*⁽⁶²⁰⁾
Location: Black Sea Region, Some aquarium fish shops in Rize and Istanbul⁽⁶²⁰⁾
Record: Kayış *et al.* (2013)⁽⁶²⁰⁾

***Chilodonella hexasticha* (Kiernik, 1909)**

Synonym: -
Microhabitat: Gills
Host: *Carassius auratus*⁽⁶¹³⁾⁽⁶²⁶⁾
Location: Mediterranean Region, An aquarium fish shop in Mersin⁽⁶²⁶⁾, Five aquarium fish shops in Mersin and some amateur fishermen⁽⁶¹³⁾
Record: Koyuncu (2002)⁽⁶¹³⁾, Koyuncu (2003)⁽⁶²⁶⁾

***Chilodonella* sp.**

Synonym: -
Microhabitat: Skin, Gills
Host: *Carassius auratus*⁽⁶¹⁶⁾⁽⁶¹⁸⁾⁽⁶¹⁹⁾⁽⁶²¹⁾, *Poecilia reticulata*⁽⁶¹⁸⁾⁽⁶²¹⁾, *Poecilia sphenops*⁽⁶¹⁸⁾, *Danio rerio*⁽¹⁹⁴⁾⁽⁵⁸⁸⁾
Location: Some fish imported to Turkey⁽⁶¹⁶⁾, Mediterranean Region, Some aquarium fish shops in Antalya⁽⁶¹⁹⁾, Aquarium fish shop in Mersin⁽⁶¹⁸⁾, Black Sea Region, Some aquarium fish shops in Rize⁽¹⁹⁴⁾⁽⁵⁸⁸⁾, Central Anatolia Region, Some aquarium fish shops in Konya⁽⁶²¹⁾,
Record: Kayış *et al.* (2009)⁽¹⁹⁴⁾, Özcelep (2009)⁽⁵⁸⁸⁾, Şahin (2004)⁽⁶¹⁶⁾, Koyuncu (2009)⁽⁶¹⁸⁾, Bulguroğlu and Korun (2013)⁽⁶¹⁹⁾, Kerek (2016)⁽⁶²¹⁾

FAMILY TETRAHYMENIDAE

***Tetrahymena* sp.**

Synonym: -
Microhabitat: Gills
Host: *Poecilia reticulata*⁽⁵⁸⁸⁾⁽⁶²⁰⁾, *Amatitlania nigrofasciata*⁽⁶²⁰⁾, *Labidochromis caeruleus*⁽⁶²⁰⁾,
Location: Black Sea Region, Some aquarium fish shops in Rize and Istanbul⁽⁶²⁰⁾, Aquarium unit in Fisheries Faculty of Rize University⁽⁵⁸⁸⁾
Record: Özcelep (2009)⁽⁵⁸⁸⁾, Kayış *et al.* (2013)⁽⁶²⁰⁾

FAMILY VORTICELLIDAE

Vorticella sp.

Synonym: -

Microhabitat: Gills

Host: *Amatitlania nigrofasciata*⁽⁶²⁰⁾

Location: Black Sea Region, Some aquarium fish shops in Rize and Istanbul⁽⁶²⁰⁾

Record: Kayış *et al.* (2013)⁽⁶²⁰⁾

SUBCLASS HYMENOSTOMATA ORDER HYMENOSTOMATIDA SUBORDER OPHRYOGLENINA FAMILY ICHTHYOPHTHIRIIDAE

Ichthyophthirius multifiliis Fouquet,

1876

Synonym: -

Microhabitat: Skin, Gills

Host: *Carassius auratus*⁽⁶¹³⁾⁽⁶¹⁶⁾⁽⁶¹⁸⁾⁽⁶¹⁹⁾⁽⁶²⁰⁾⁽⁶²⁷⁾, *Poecilia reticulata*⁽⁶¹⁸⁾⁽⁶²³⁾,

Poecilia spheops⁽⁶¹⁸⁾⁽⁶²⁸⁾,

Xiphophorus maculatus⁽⁶¹⁵⁾⁽⁶¹⁸⁾⁽⁶²³⁾,

Cichlasoma sp.⁽⁶¹⁸⁾, *Astronotus*

ocellatus⁽⁶²⁰⁾, *Symphysodon discus*⁽⁶²⁰⁾,

Carassius sp.⁽⁶²²⁾, *Peckoltia*

vittata⁽⁶²²⁾, *Amatitlania*

nigrofasciata⁽⁶³⁰⁾, *Gymnocorymbus*

ternetzi⁽⁶²⁹⁾, *Poecilia latipinna*⁽⁶²³⁾,

Xiphophorus helleri⁽⁶¹⁵⁾⁽⁶²³⁾⁽⁶²⁸⁾,

Pangasius pangasius⁽⁶²⁴⁾

Location: Some fish imported to Turkey⁽⁶¹⁵⁾⁽⁶¹⁶⁾; Mediterranean Region.

Some aquarium fish shops in

Antalya⁽⁶¹⁹⁾, Aquarium fish shop in

Mersin⁽⁶¹⁸⁾, An aquarium fish shop in

Mersin⁽⁶³⁰⁾, Some aquarium fish shops

in Mersin⁽⁶²³⁾, Five aquarium fish

shops in Mersin and some amateur

fishermen⁽⁶¹³⁾; Black Sea Region.

Some aquarium fish shops in Rize and

Istanbul⁽⁶²⁰⁾; Central Anatolia Region.

Some aquarium fish shops in

Ankara⁽⁶²²⁾, Aegean Region, Infected

fish brought to Aydın Veterinary

Faculty⁽⁶²⁹⁾, Imported fish to Izmir⁽⁶²⁴⁾;

Eastern Anatolia Region, Some aquarium fish shops in Elazığ⁽⁶²⁸⁾⁽⁶²⁷⁾

Record: Koyuncu (2002)⁽⁶¹³⁾, Mefut

et al. (2017)⁽⁶¹⁵⁾, Şahin (2004)⁽⁶¹⁶⁾,

Koyuncu (2009)⁽⁶¹⁸⁾, Bulguroğlu and

Korun (2013)⁽⁶¹⁹⁾, Kayış *et al.*

(2013)⁽⁶²⁰⁾, Doğanay *et al.* (1989)⁽⁶²²⁾,

Koyuncu and Cengizler (2002)⁽⁶²³⁾,

Tokşen *et al.* (2014)⁽⁶²⁴⁾, Barata *et al.*

(2017)⁽⁶²⁷⁾, Sarıeyyüpoğlu (1989)⁽⁶²⁸⁾,

Aydoğan *et al.* (2010)⁽⁶²⁹⁾, Koyuncu *et*

al. (2012)⁽⁶³⁰⁾

PHYLUM EUGLENOZOA

CLASS KINETOPLASTIDEA ORDER KINETOPLASTIDA SUBORDER BODONINA FAMILY BODONIDAE

Ichthyobodo necator (Henneguy,
1883) Pinto, 1928

Synonym: *Costia necatrix*

(Henneguy, 1883) Leclercq, 1890

Microhabitat: Skin, gills

Host: *Carassius* sp.⁽⁶¹⁴⁾, *Carassius auratus*⁽⁶¹³⁾⁽⁶²⁰⁾, *Poecilia reticulata*⁽⁶²⁰⁾

⁽⁶²³⁾⁽⁶²⁵⁾, *Poecilia spheops*⁽⁶²⁰⁾,

Nimbochromis livingstonii⁽⁵⁸⁸⁾,

Pelvicachromis pulcher⁽⁵⁸⁸⁾, *Poecilia*

latipinna⁽⁶²³⁾, *Xiphophorus helleri*⁽⁶²³⁾,

Xiphophorus maculatus⁽⁶²³⁾

Location: Central Anatolia Region.

Garden of Ankara Museum

Directorate⁽⁶¹⁴⁾; Black Sea Region.

Some aquarium fish shops in Rize and

Istanbul⁽⁶²⁰⁾, Aquarium unit in

Fisheries Faculty of Rize

University⁽⁵⁸⁸⁾, An aquarium fish shop

in Rize⁽⁶²⁵⁾; Mediterranean Region.

Some aquarium fish shop in

Mersin⁽⁶²³⁾, Five aquarium fish shops

in Mersin and some amateur

fishermen⁽⁶¹³⁾

Record: Özcelep (2009)⁽⁵⁸⁸⁾,

Koyuncu (2002)⁽⁶¹³⁾, Burgu and Oğuz

(1984)⁽⁶¹⁴⁾, Kayış *et al.* (2013)⁽⁶²⁰⁾,

Koyuncu and Cengizler (2002)⁽⁶²³⁾,

Kayış *et al.* (2005)⁽⁶²⁵⁾

***Ichthyobodo* sp.**

Synonym: -

Microhabitat: Gills

Host: *Carassius* sp.⁽⁶¹⁴⁾, *Carassius auratus*⁽⁶¹⁸⁾⁽⁶²¹⁾, *Poecilia reticulata*⁽⁶²¹⁾

Location: Central Anatolia Region, Garden of Ankara Museum Directorate⁽⁶¹⁴⁾, Some aquarium fish shops in Konya⁽⁶²¹⁾, Mediterranean Region, Aquarium fish shop in Mersin⁽⁶¹⁸⁾

Record: Burgu and Oğuz (1984)⁽⁶¹⁴⁾, Koyuncu (2009)⁽⁶¹⁸⁾, Kerek (2016)⁽⁶²¹⁾

PHYLUM METAMONADA

CLASS TREPOMONADEA

ORDER DISTOMATIDA

FAMILY HEXAMITIDAE

***Hexamita* sp.**

Synonym: -

Microhabitat: Intestine

Host: *Carassius auratus*⁽⁶²⁰⁾, *Pterophyllum scalare*⁽⁶²⁰⁾

Location: Black Sea Region, Some aquarium fish shops in Rize and Istanbul⁽⁶²⁰⁾

Record: Kayış *et al.* (2013)⁽⁶²⁰⁾

PHYLUM MYZOOA

CLASS DINOFLAGELLATA

INCERTIA CEDIS

***Piscinoodinium pillulare*
(Schäperclaus) Lom, 1981**

Synonym: -

Microhabitat: Gills

Host: *Carassius auratus*⁽⁶¹³⁾, *Betta splendens*⁽⁶²⁰⁾, *Poecilia reticulata*⁽⁶²³⁾, *Poecilia latipinna*⁽⁶²³⁾, *Xiphophorus helleri*⁽⁶²³⁾, *Xiphophorus maculatus*⁽⁶²³⁾

Location: Black Sea Region, Some aquarium fish shops in Rize and Istanbul⁽⁶²⁰⁾, Mediterranean Region,

Some aquarium fish shops in Mersin⁽⁶²³⁾, Five aquarium fish shops in Mersin and some amateur fishermen⁽⁶¹³⁾

Record: Koyuncu (2002)⁽⁶¹³⁾, Kayış *et al.* (2013)⁽⁶²⁰⁾, Koyuncu and Cengizler (2002)⁽⁶²³⁾

PHYLUM

PLATYHELMINTHES

CLASS MONOGENEA

SUBCLASS

MONOISTHOCOTYLEA

ORDER DACTYLOGYRIDEA

FAMILY ANCYLODISCOIDIDAE

***Thaparocleidus caecus* (Mizelle & Kritsky, 1969) Lim, 1996**

Synonym: *Ancylo-discoides caecus*

Mizelle & Kritsky, 1969,

Silurodiscoides caecus (Mizelle & Kritsky, 1969) Gusev, 1976

Microhabitat: Gills

Host: *Pangasius pangasius*⁽⁶²⁴⁾

Location: Aegean Region, Imported fish to Izmir⁽⁶²⁴⁾

Record: Tokşen *et al.* (2014)⁽⁶²⁴⁾

FAMILY ANCYROCEPHALIDAE

***Sciadicleithrum variabile* (Mizelle & Kritsky, 1969) Kritsky, Thatcher & Boeger, 1989**

Synonym: *Sciadicleithrum variabilum* (Mizelle & Kritsky, 1969) Kritsky, Thatcher & Boeger, 1989, *Urocleidoides variabilis* Mizelle & Kritsky, 1969

Microhabitat: Gills

Host: *Symphysodon aequifasciatus*⁽⁶³¹⁾

Location: Aegean Region, Infected fish in Izmir⁽⁶³¹⁾

Record: Önal *et al.* (2011)⁽⁶³¹⁾

***Sciadicleithrum* sp.**

Synonym: -
Microhabitat: Gills
Host: *Symphysodon* sp.⁽⁶³²⁾
Location: Aegean Region, Some aquarium fish shops in İzmir⁽⁶³²⁾
Record: Şirin *et al.* (2014)⁽⁶³²⁾

FAMILY DACTYLOGYRIDAE

Dactylogyrus cornu Linstow, 1878

Synonym: -
Microhabitat: Gills
Host: *Carassius auratus*⁽⁶²⁷⁾
Location: Eastern Anatolia Region, Some aquarium fish shops in Elazığ⁽⁶²⁷⁾
Record: Barata *et al.* (2017)⁽⁶²⁷⁾

Dactylogyrus extensus Mueller & Van Cleave, 1932

Synonym: *Dactylogyrus hovorkai* Kastak, 1955, *Dactylogyrus solidus* Akhmerov, 1948
Synonym: -
Microhabitat: Gills
Host: *Carassius auratus*⁽⁶¹³⁾⁽⁶¹⁸⁾
Location: Mediterranean Region, Aquarium fish shop in Mersin⁽⁶¹⁸⁾, Five aquarium fish shop in Mersin and some amateur fishermen⁽⁶¹³⁾
Record: Koyuncu (2002)⁽⁶¹³⁾, Koyuncu (2009)⁽⁶¹⁸⁾

Dactylogyrus sp.

Synonym: -
Microhabitat: Gills
Host: *Carassius auratus*⁽⁶²⁰⁾⁽⁶²¹⁾⁽⁶³³⁾⁽⁶³⁴⁾, *Astronotus ocellatus*⁽⁶²⁰⁾, *Symphysodon discus*⁽⁶²⁰⁾, *Poecilia reticulata*⁽⁶²¹⁾, *Xiphophorus helleri*⁽⁶³⁴⁾
Location: Some fish imported to Turkey⁽⁶¹⁶⁾⁽⁶³⁴⁾, Central Anatolia Region, Some aquarium fish shops in Kırıkkale⁽⁶³³⁾, Some aquarium fish shops in Konya⁽⁶²¹⁾; Black Sea Region, Some aquarium fish shops in Rize and İstanbul⁽⁶²⁰⁾
Record: Şahin (2004)⁽⁶¹⁶⁾, Kayış *et al.* (2013)⁽⁶²⁰⁾, Kerek (2016)⁽⁶²¹⁾, Yıldız

and Kumantaş (2002)⁽⁶³³⁾, Şahin Taner and Yavuzcan Yıldız (2018)⁽⁶³⁴⁾

FAMILY GYRODACTYLIDAE

Gyrodactylus bullatarudis Turnbull, 1956

Synonym: -
Microhabitat: Skin, gills, fins
Host: *Carassius auratus*⁽⁶¹³⁾, *Poecilia reticulata*⁽⁶¹⁸⁾⁽⁶³⁵⁾
Location: Mediterranean Region, Aquarium fish shop in Mersin⁽⁶¹⁸⁾, An aquarium fish shop in Mersin⁽⁶³⁵⁾, Five aquarium fish shop in Mersin and some amateur fishermen⁽⁶¹³⁾
Record: Koyuncu (2002)⁽⁶¹³⁾, Koyuncu (2009)⁽⁶¹⁸⁾, Koyuncu and Taşkın (2013)⁽⁶³⁵⁾

Gyrodactylus sp.

Synonym: -
Microhabitat: Skin, Gills
Host: *Carassius* sp.⁽⁶¹⁵⁾, *Carassius auratus*⁽⁶¹⁹⁾⁽⁶²⁰⁾⁽⁶²¹⁾, *Poecilia reticulata*⁽⁶²¹⁾
Location: Some fish imported to Turkey⁽⁶¹⁵⁾⁽⁶¹⁶⁾; Mediterranean Region, Antalya'da bazı akvaryumcular⁽⁶¹⁹⁾; Black Sea Region, Some aquarium fish shops in Rize and İstanbul⁽⁶²⁰⁾; Central Anatolia Region, Some aquarium fish shops in Konya⁽⁶²¹⁾
Record: Mefut *et al.* (2017)⁽⁶¹⁵⁾, Şahin (2004)⁽⁶¹⁶⁾, Bulguroğlu and Korun (2013)⁽⁶¹⁹⁾, Kayış *et al.* (2013)⁽⁶²⁰⁾, Kerek (2016)⁽⁶²¹⁾

CLASS TREMATODA

SUBCLASS DIGenea

Centrocestus sp.

Synonym: -
Microhabitat: Gills
Host: *Carassius auratus*⁽⁶¹⁶⁾⁽⁶³⁴⁾, *Xiphophorus helleri*⁽⁶³⁴⁾, *Pangasius pangasius*⁽⁶²⁴⁾

Location: Some fish imported to Turkey⁽⁶¹⁶⁾⁽⁶³⁴⁾, Aegean Region, Imported fish to İzmir⁽⁶²⁴⁾
Record: Şahin (2004)⁽⁶¹⁶⁾, Tokşen *et al.* (2014)⁽⁶²⁴⁾, Şahin *et al.* (2018)⁽⁶³⁴⁾

***Transversotrema* sp.**

Synonym: -

Microhabitat: Skin

Host: *Poecilia spheonops*⁽⁶¹⁵⁾

Location: Some fish imported to Turkey⁽⁶¹⁵⁾

Record: Mefut *et al.* (2013)⁽⁶¹⁵⁾

PHYLUM NEMATODA

CLASS CHROMADOREA SUBCLASS CHROMADORIA ORDER RHABDITIDA

***Camallanus* sp.**

Synonym: -

Microhabitat: Intestine

Host: *Poecilia reticulata*⁽⁶³⁶⁾

Location: Aegean Region, Afyonlarahisar'de kişisel akvaryum⁽⁶³⁶⁾

Record: Erez *et al.* (2017)⁽⁶³⁶⁾

***Ichthyouris* sp.**

Synonym: -

Microhabitat: Intestine

Host: *Symphysodon* sp.⁽⁶³²⁾

Location: Aegean Region, Some aquarium fish shops in İzmir⁽⁶³²⁾

Record: Şirin *et al.* (2014)⁽⁶³²⁾

ORDER TRICHINELLIDA FAMILY CAPILLARIIDAE

***Capillaria* sp.**

Synonym: -

Microhabitat: Digestive system

Host: *Symphysodon discus*⁽⁶¹⁸⁾,

Pterophyllum scalare⁽⁶³¹⁾⁽⁶³⁷⁾,

Symphysodon sp.⁽⁶³²⁾

Location: Mediterranean Region, Aquarium fish shop in Mersin⁽⁶¹⁸⁾, Marmara Region, Aquarium fish shop in İstanbul⁽⁶³⁷⁾; Aegean Region, Infected fish in İzmir⁽⁶³¹⁾, Some aquarium fish shops in İzmir⁽⁶³²⁾
Record: Koyuncu (2009)⁽⁶¹⁸⁾, Önal *et al.* (2011)⁽⁶³¹⁾, Şirin *et al.* (2014)⁽⁶³²⁾, Ürkü and Yardımcı (2013)⁽⁶³⁷⁾

PHYLUM ARTHROPODA

SUBPHYLUM CRUSTACEA SUBCLASS BRANCHIURA FAMILY ARGULIDAE

***Argulus foliaceus* (Linnaeus, 1758)**

Synonym: *Argulus argulus* Leach, 1814, *Argulus armiger* Müller O.F., 1785, *Argulus charon* Müller O.F., 1785, *Argulus delphinus* Müller O.F., 1785, *Argulus rothschildi* Leigh-Sharpe, 1933, *Argulus viridis* Nettovich, 1900, *Monoculus foliaceus* Linnaeus, 1758, *Monoculus gyrini* Cuvier, 1798, *Ozolu gasterostei* Latreille, 1802

Microhabitat: Skin, fins

Host: *Carassius* sp.⁽⁶¹⁴⁾, *Carassius auratus*⁽⁶³³⁾⁽⁶¹⁸⁾⁽⁶¹³⁾, *Astronotus ocellatus*⁽⁶³⁸⁾

Location: Central Anatolia Region, Garden of Ankara Museum Directorate⁽⁶¹⁴⁾, Some aquarium fish shops in Kırıkkale⁽⁶³³⁾; Mediterranean Region, Aquarium fish shop in Mersin⁽⁶¹⁸⁾, Five aquarium fish shop in Mersin and some amateur fishermen⁽⁶¹³⁾; Aegean Region, Aquarium fish shop in İzmir⁽⁶³⁸⁾

Record: Koyuncu (2002)⁽⁶¹³⁾, Burgu and Oğuz (1984)⁽⁶¹⁴⁾, Koyuncu (2009)⁽⁶¹⁸⁾, Yıldız and Kumantaş (2002)⁽⁶³³⁾, Tokşen (2006)⁽⁶³⁸⁾

***Argulus japonicus* Thiele, 1900**

Synonym: -

Microhabitat: Skin

Host: *Carassius auratus*⁽⁶¹⁸⁾,
Cyprinus carpio⁽⁶³⁹⁾
Location: Mediterranean Region,
 Aquarium fish shop in Mersin⁽⁶¹⁸⁾⁽⁶³⁹⁾,
Record: Koyuncu (2009)⁽⁶¹⁸⁾,
 Koyuncu (2020)⁽⁶³⁹⁾

Argulus sp.

Synonym: -
Microhabitat: Skin, gills
Host: *Carassius auratus*⁽⁶¹⁶⁾
Location: Some fish imported to
 Turkey⁽⁶¹⁶⁾
Record: Şahin (2004)⁽⁶¹⁶⁾

SUBCLASS COPEPODA

FAMILY LERNAEIDAE

Lernaea cyprinacea cyprinacea L., 1758

Synonym: *Lernaea cyprinacea*
 Linnaeus, 1758, *Lernaea elegans*
 Leigh-Sharpe, 1925, *Lernaea ranae*
 Stunkard & Cable, 1931, *Lernaea*
tentaculis Linnaeus, 1746, *Lernaea*
tentaculis quatuor Linnaeus, 1746,
Lernaeocera cyprinacea (Linnaeus,
 1746), *Lernaeocera gasterostei* Bruhl,
 1860

Microhabitat: Gills
Host: *Carassius auratus*⁽⁶¹³⁾⁽⁶¹⁸⁾
Location: Mediterranean Region,
 Aquarium fish shop in Mersin⁽⁶¹⁸⁾,
 Five aquarium fish shop in Mersin
 and some amateur fishermen⁽⁶¹³⁾
Record: Koyuncu (2002)⁽⁶¹³⁾,
 Koyuncu (2009)⁽⁶¹⁸⁾

PHYLUM ANNELIDA

CLASS CLITELLATA FAMILY PISCICOLIDAE

Calliobdella lophii Van Beneden & Hesse, 1863

Synonym: *Calliobdella striata* Van
 Beneden & Hesse, 1863,

Ichthyobdella punctata Verrill, 1871,
Piscicola punctata (Verrill, 1871)

Microhabitat: Skin

Host: *Poecilia reticulata*⁽⁶⁴⁰⁾

Location: Eastern Anatolia Region,
 Aquarium fish shops in Erzurum⁽⁶⁴⁰⁾,
Record: Çiltaş *et al.* (2000)⁽⁶⁴⁰⁾

PHYLUM CNIDARIA

CLASS MYXOZOA FAMILY MYXOBOLIDAE

Myxobolus sp.

Synonym: -
Microhabitat: Gall bladder, gills
Host: *Carassius sp.*⁽⁶²²⁾, *Poecilia*
reticulata⁽⁶²²⁾, *Pterophyllum sp.*⁽⁶²²⁾
Location: Central Anatolia Region,
 Some aquarium fish shops in
 Ankara⁽⁶²²⁾
Record: Doğanay *et al.* (1989)⁽⁶²²⁾

PHYLUM MICROSPORIDIA

FAMILY GLUGEIDAE

Pleistophora sp.

Synonym: -
Microhabitat: Muscle, liver, kidney,
 spleen, Intestine
Host: *Xiphophorus maculatus*⁽⁶⁴¹⁾
Location: Marmara Region,
 Aquarium fish unit at Istanbul
 University⁽⁶⁴¹⁾
Record: Timur *et al.* (2005)⁽⁶⁴¹⁾

AQUARIUM FISH HOST – PARASITE LIST

ORDER CHARACIFORMES

FAMILY CHARACIDAE

Gymnocorymbus ternetzi
(Boulenger, 1895)
(Black tetra)

Synonym: *Tetragonopterus ternetzi*
Boulenger, 1895

CILIOPHORA

Ichthyophthirius multifiliis
Fouquet, 1876⁽⁶²⁹⁾

ORDER CYPRINIFORMES

FAMILY CYPRINIDAE

***Carassius auratus* (Linnaeus, 1758)**
(Goldfish)

Synonym: *Carassius auratus cantonensis* Tchang, 1933, *Carassius auratus grandoculis* Temminck & Schlegel, 1846, *Carassius auratus wui* Tchang, 1930, *Carassius buergeri grandoculis*, *Carassius burgeri* Temminck & Schlegel, 1846, *Carassius coeruleus* Basilewsky, 1855, *Carassius discolor* Basilewsky, 1855, *Carassius encobia* Bonaparte, 1845, *Carassius grandoculis* Temminck & Schlegel, 1846, *Carassius pekinensis* Basilewsky, 1855, *Cyprinus auratus* Linnaeus, 1758, *Cyprinus chinensis* Gronow, 1854, *Cyprinus gibeloides* Cantor, 1842, *Cyprinus langsdorfii* Valenciennes, 1842, *Cyprinus maillardi* Guichenot, 1863, *Cyprinus mauritanus* Bennett, 1832, *Cyprinus thoracatus* Valenciennes, 1842, *Leuciscus auratus* Mauduyt, 1849

CILIOPHORA

Trichodina nigra Lom 1960⁽⁶¹³⁾
Trichodina sp.⁽⁶¹⁶⁾⁽⁶¹⁷⁾⁽⁶¹⁸⁾⁽⁶¹⁹⁾⁽⁶²⁰⁾⁽⁶²¹⁾

Chilodonella hexasticha
(Kiernik, 1909)⁽⁶²⁶⁾⁽⁶¹³⁾
Chilodonella sp.⁽⁶¹⁶⁾⁽⁶¹⁸⁾⁽⁶¹⁹⁾⁽⁶²⁰⁾⁽⁶²¹⁾
Epistylis sp.⁽⁶²⁰⁾
Ichthyophthirius multifiliis
Fouquet, 1876⁽⁶¹⁶⁾⁽⁶¹⁸⁾⁽⁶¹⁹⁾⁽⁶²⁰⁾⁽⁶¹³⁾⁽⁶²⁷⁾

EUGLENOZOEA

Ichthyobodo necator (Henneguy, 1883) Pinto, 1928⁽⁶²⁰⁾⁽⁶¹³⁾
Ichthyobodo sp.⁽⁶¹⁸⁾⁽⁶²¹⁾

MYZOZOA

Piscinoodinium pillulare
(Schäperclaus) Lom, 1981⁽⁶¹³⁾

METAMONADA

Hexamita sp.⁽⁶²⁰⁾

MONOGENEA

Dactylogyrus cornu Linstow, 1878⁽⁶²⁷⁾
Dactylogyrus extensus Mueller & Van Cleave, 1932⁽⁶¹⁸⁾⁽⁶¹³⁾
Dactylogyrus sp.⁽⁶¹⁶⁾⁽⁶²⁰⁾⁽⁶³⁴⁾⁽⁶²¹⁾
Gyrodactylus sp.⁽⁶¹⁶⁾⁽⁶¹⁹⁾⁽⁶²⁰⁾⁽⁶²¹⁾
Gyrodactylus bullatarudis Turnbull, 1956⁽⁶¹³⁾

TREMATODA

Centrocestus sp.⁽⁶¹⁶⁾⁽⁶³⁴⁾

CRUSTACEA

Argulus foliaceus (Linnaeus, 1758)⁽⁶³³⁾⁽⁶¹⁸⁾⁽⁶¹³⁾
Argulus japonicus Thiele, 1900⁽⁶¹⁸⁾
Argulus sp.⁽⁶¹⁶⁾
Lernaea cyprinacea cyprinacea L., 1758⁽⁶¹³⁾⁽⁶¹⁸⁾

***Carassius* sp.**

Synonym: -

CILIOPHORA

Ichthyophthirius multifiliis
Fouquet, 1876⁽⁶²²⁾
Trichodina sp.⁽⁶¹⁴⁾⁽⁶¹⁵⁾
Trichodinella sp.⁽⁶¹⁴⁾
Apiosoma sp.⁽⁶¹⁴⁾
Tetrahymena sp.⁽⁶²²⁾

EUGLENOZOEA

Ichthyobodo necator (Henneguy, 1883) Pinto, 1928⁽⁶¹⁴⁾

MONOGENEA

Gyrodactylus sp.⁽⁶¹⁵⁾

CRUSTACEA

Argulus foliaceus (Linnaeus, 1758)⁽⁶¹⁴⁾

CNIDARIA

Myxobolus sp.⁽⁶²²⁾

***Cyprinus carpio* L., 1758
(Common carp)**

Synonym: Please see chapter 4 for details

CRUSTACEA

Argulus japonicus Thiele, 1900⁽⁶³⁹⁾

***Danio rerio* (Hamilton, 1822)
(Zebra danio)**

Synonym: *Cyprinus chapalio* Hamilton, 1822, *Cyprinus rerio* Hamilton, 1822, *Danio lineatus* Day, 1868, *Perilampus striatus* McClelland, 1839, *Brachydanio rerio* (Hamilton, 1822), *Barilius rerio* (Hamilton, 1822)

CILIOPHORA

Chilodonella sp.⁽¹⁹⁴⁾⁽⁵⁸⁸⁾

***Desmopuntius rhomboocellatus*
(Koumans, 1940)**

Synonym: *Barbus kahajani* Hoedeman, 1956, *Barbus tetrazona* Bleeker, 1856, *Puntius rhomboocellatus* Koumans, 1940

CILIOPHORA

Trichodina sp.⁽⁶²²⁾

***Epalzeorhynchus bicolor*
(Smith, 1931)
(Redtail sharkminnow)**

Synonym: *Labeo bicolor* Smith, 1931

CILIOPHORA

Trichodina sp.⁽⁶²²⁾

ORDER

CYPRINODONTIFORMES

FAMILY POECILIDAE

***Poecilia latipinna* (Lesueur, 1821)
(Sailfin molly)**

Synonym: *Limia matamorensis* Girard, 1859, *Limia poeciloides* Girard, 1858, *Mollienisia latipinna* Lesueur, 1821, *Mollienisia latipinna* Lesueur, 1821 (misspelling), *Poecilia lineolata* Girard, 1858, *Poecilia multilineata* Lesueur, 1821

CILIOPHORA

Ichthyophthirius multifiliis Fouquet, 1876⁽⁶¹³⁾⁽⁶²³⁾
Trichodina nigra Lom, 1960⁽⁶¹³⁾
Trichodina sp.⁽⁶²³⁾

EUGLENOZOA

Ichthyobodo necator (Henneguy, 1883) Pinto, 1928⁽⁶²³⁾

MYZOOA

Piscinoodinium pillulare (Schäperclaus) Lom, 1981⁽⁶¹³⁾⁽⁶²³⁾

MONOGENEA

Dactylogyrus sp.⁽⁶²¹⁾
Gyrodactylus bullatarudis Turnbull, 1956⁽⁶¹³⁾

CRUSTACEA

Lernaea cyprinacea cyprinacea L., 1758⁽⁶¹³⁾

***Poecilia reticulata* Peters, 1859
(Guppy)**

Synonym: *Acanthophaeus guppieri* (Günther, 1866), *Acanthophaeus reticulatus* (Peters, 1859), *Girardinus guppieri* Günther, 1866, *Girardinus reticulatus* (Peters, 1859), *Haridichthys reticulatus* (Peters, 1859) (hatalı heceleme), *Heterandria guppyi* (Günther, 1866) (misspelling), *Lebistes poeciloides* De Filippi, 1861, *Lebistes poeciloides* De Filippi, 1861 (hatalı heceleme), *Lebistes reticulatus* (Peters, 1859), *Poecilia reticulata*

Peters, 1859 (misspelling), *Poecilia reticulatus* Peters, 1859 (misspelling), *Poecilioides reticulatus* (Peters, 1859)

CILIOPHORA

Ambiphrya sp.⁽⁶²⁵⁾
Chilodonella sp.⁽⁶¹⁸⁾⁽⁶²¹⁾
Ichthyophthirius multifiliis
 Fouquet, 1876⁽⁶¹⁸⁾⁽⁶²³⁾⁽⁶¹³⁾
Tetrahymena sp.⁽⁶²⁰⁾⁽⁵⁸⁸⁾
Trichodina nigra Lom, 1960⁽⁶¹³⁾
Trichodina sp.⁽⁶²²⁾⁽⁶²¹⁾⁽⁶²³⁾

EUGLENOZOA

Ichthyobodo necator (Henneguy, 1883) Pinto, 1928⁽⁶²⁰⁾⁽⁶²³⁾⁽⁶²⁵⁾
Ichthyobodo sp.⁽⁶²¹⁾

MYZOOZOA

Piscinoodinium pillulare
 (Schäperclaus) Lom, 1981⁽⁶²³⁾
⁽⁶¹³⁾

MONOGENEA

Dactylogyrus sp.⁽⁶²¹⁾
Gyrodactylus bullatarudis
 Turnbull, 1956⁽⁶¹⁸⁾⁽⁶¹³⁾⁽⁶³⁵⁾
Gyrodactylus sp.⁽⁶²¹⁾

NEMATODA,

Camallanus sp.⁽⁶³⁶⁾

CRUSTACEA

Lernaea cyprinacea cyprinacea
 L., 1758⁽⁶¹³⁾

CNIDARIA

Myxobolus sp.⁽⁶²²⁾

ANNELIDA

Calliobdella lophii Van Beneden & Hesse, 1863⁽⁶⁴⁰⁾

***Poecilia sphenops* Valenciennes, 1846 (Molly)**

Synonym: *Gambusia modesta* Troschel, 1865, *Gambusia plumbea* Troschel, 1865, *Lembesseia parvianalis* Fowler, 1949, *Mollienesia altissima* Hubbs, 1936, *Mollienesia gracilis* Regan, 1913, *Mollienesia macrura* Hubbs, 1935, *Mollienesia pallida* de Buen, 1943, *Mollienesia sphenops altissima* Hubbs, 1936, *Mollienesia sphenops macrura* Hubbs, 1935, *Mollienesia sphenops*

pallida de Buen, 1943, *Mollienesia sphenops vantynei* Hubbs, 1935, *Mollienesia vantynei* Hubbs, 1935, *Mollienesia sphenops* (Valenciennes, 1846), *Platyopocilus mentalis* Gill, 1877, *Platyopocilus nelsoni* Meek, 1904, *Platyopocilus tropicus* Meek, 1907, *Poecilia boucardii* Steindachner, 1878, *Poecilia caudata* Meek, 1909, *Poecilia chisoyensis* Günther, 1866, *Poecilia dovii* Günther, 1866, *Poecilia spilota* Regan, 1908, *Poecilia spilurus* Günther, 1866, *Poecilia tenuis* Meek, 1907, *Poecilia thermalis* Steindachner, 1863, *Poecilia vandepolli arubensis* van Lidth de Jeude, 1887, *Poecilia vetiprovidentiae* Fowler, 1950

CILIOPHORA

Chilodonella sp.⁽⁶¹⁸⁾
Ichthyophthirius multifiliis
 Fouquet, 1876⁽⁶¹⁸⁾⁽⁶²⁸⁾
Trichodina heterodontata
 Duncan, 1977⁽⁶¹⁴⁾
Trichodina pediculus Ehrenberg, 1831⁽⁶¹²⁾
Trichodina sp.⁽⁶²²⁾

EUGLENOZOA

Ichthyobodo necator (Henneguy, 1883) Pinto, 1928⁽⁶²⁰⁾

TREMATODA

Transversotrema sp.⁽⁶¹⁵⁾

***Poecilia velifera* (Regan, 1914) (Sail-fin molly)**

Synonym: *Mollienesia velifera* Regan, 1914

CILIOPHORA

Trichodina pediculus Ehrenberg, 1831⁽⁶¹²⁾
Trichodina sp.⁽⁶²²⁾

***Xiphophorus hellerii* Heckel, 1848 (Green swordtail)**

Synonym: *Poecilia helleri* (Heckel, 1848) (hatalı heceleme), *Xiphophorus brevis* Regan, 1907, *Xiphophorus*

guentheri Jordan & Evermann, 1896, *Xiphophorus guntheri* Jordan & Evermann, 1896, *Xiphophorus helleri* Heckel, 1848 (misspelling), *Xiphophorus helleri brevis* Regan, 1907 (misspelling), *Xiphophorus helleri helleri* Heckel, 1848 (misspelling), *Xiphophorus helleri strigatus* Regan, 1907 (misspelling), *Xiphophorus hellerii guentheri* Jordan & Evermann, 1896, *Xiphophorus jalapae* Meek, 1902, *Xiphophorus rachovii* Regan, 1911, *Xiphophorus strigatus* Regan, 1907, *Xiphorus helleri* Heckel, 1848 (misspelling)

CILIOPHORA

Ichthyophthirius multifiliis
Fouquet, 1876⁽⁶²³⁾⁽⁶²⁸⁾⁽⁶¹⁵⁾⁽⁶¹³⁾
Trichodina nigra Lom, 1960⁽⁶¹³⁾
Trichodina sp.⁽⁶²²⁾⁽⁶²³⁾

EUGLENOZOA

Ichthyobodo necator (Henneguy, 1883) Pinto, 1928⁽⁶²³⁾

MYZOOA

Piscinoodinium pillulare
(Schäperclaus) Lom, 1981⁽⁶²³⁾
(613)

MONOGENEA

Dactylogyrus sp.⁽⁶³⁴⁾
Gyrodactylus bullatarudis
Turnbull, 1956⁽⁶¹³⁾

TREMATODA

Centrocestus sp.⁽⁶³⁴⁾

CRUSTACEA

Lernaea cyprinacea cyprinacea
L., 1758⁽⁶¹³⁾

Xiphophorus maculatus
(Günther, 1866)
(Southern platyfish)

Synonym: *Platypoecilus maculatus* Günther, 1866, *Platypoecilus nigra* Brind, 1914, *Platypoecilus pulchra* Brind, 1914, *Platypoecilus rubra* Brind, 1914

CILIOPHORA

Ichthyophthirius multifiliis
Fouquet, 1876⁽⁶¹⁸⁾⁽⁶¹³⁾⁽⁶¹⁵⁾⁽⁶²³⁾
Trichodina nigra Lom, 1960⁽⁶¹³⁾

Trichodina sp.⁽⁶¹⁸⁾⁽⁶²²⁾⁽⁶²³⁾

EUGLENOZOA

Ichthyobodo necator (Henneguy, 1883) Pinto, 1928⁽⁶²³⁾

MYZOOA

Piscinoodinium pillulare
(Schäperclaus) Lom, 1981⁽⁶²³⁾
(613)

MONOGENEA

Gyrodactylus bullatarudis
Turnbull, 1956⁽⁶¹³⁾

CRUSTACEA

Lernaea cyprinacea cyprinacea
L., 1758⁽⁶¹³⁾

MICROSPORIDIA

Pleistophora sp.⁽⁶⁴¹⁾

ORDER PERCIFORMES

FAMILY CICHLIDAE

***Amatitlania nigrofasciata* (Günther, 1867)**
(Convict cichlid)

Synonym: *Cichlasoma nigrofasciatum* (Günther, 1867), *Heros nigrofasciatus* Günther, 1867

CILIOPHORA

Ichthyophthirius multifiliis
Fouquet, 1876⁽⁶³⁰⁾
Tetrahymena sp.⁽⁶²⁰⁾
Vorticella sp.⁽⁶²⁰⁾

Astronotus ocellatus
(Agassiz, 1831)
(Oscar)

Synonym: *Acara compressus* Cope, 1872, *Acara hyposticta* Cope, 1878, *Astronotus orbiculatus* Haseman, 1911, *Cychla rubroocellata* Jardine & Schomburgk, 1843, *Lobotes ocellatus* Agassiz, 1831

CILIOPHORA

Ichthyophthirius multifiliis
Fouquet, 1876⁽⁶²⁰⁾

CRUSTACEA

Argulus foliaceus (Linnaeus, 1758)⁽⁶³⁸⁾

***Cichlasoma* sp.**

Synonym: -

CILIOPHORA

Ichthyophthirius multifiliis

Fouquet, 1876⁽⁶¹⁸⁾

Trichodina sp.⁽⁶¹⁸⁾

***Heros efasciatus* Heckel, 1840**

Synonym: *Chromys appendiculata*

Castelnau, 1855, *Chromys fasciata*

Castelnau, 1855

CILIOPHORA

Trichodina sp.⁽⁶²⁰⁾

Labidochromis caeruleus

Fryer, 1956

(Blue streak hap)

Synonym: -

CILIOPHORA

Tetrahymena sp.⁽⁶²⁰⁾

Trichodina pediculus Ehrenberg,

1831⁽⁶¹²⁾

Trichodina sp.⁽⁶²⁰⁾

Nimbochromis livingstonii

(Günther, 1894)

Synonym: *Hemichromis livingstonii*

Günther, 1894

EUGLENOZOA

Ichthyobodo necator (Henneguy,

1883) Pinto, 1928⁽⁵⁸⁸⁾

Pelvicachromis pulcher

(Boulenger, 1901)

(Rainbow krib)

Synonym: *Pelmatochromis*

aurocephalus Meinken, 1960,

Pelmatochromis camerunensis Thys

van den Audenaerde, 1968,

Pelmatochromis pulcher Boulenger,

1901, *Pelvicachromis sacramontis*

Paulo, 1977 (misspelling)

EUGLENOZOA

Ichthyobodo necator (Henneguy,

1883) Pinto, 1928⁽⁵⁸⁸⁾

***Pseudotropheus socolofi* Johnson,**

1974

(Pindani)

Synonym: -

CILIOPHORA

Trichodina pediculus Ehrenberg,

1831⁽⁶¹²⁾

Pterophyllum scalare

(Schultze, 1823)

(Freshwater angelfish)

Synonym: *Platax scalaris* Cuvier,

1831, *Plataxoides dumerilii*

Castelnau, 1855, *Zeus scalaris*

Schultze, 1823

METAMONADA

Hexamita sp.⁽⁶²⁰⁾

NEMATODA

Capillaria sp.⁽⁶³¹⁾⁽⁶³⁷⁾

***Pterophyllum* sp.**

Synonym: -

CILIOPHORA

Trichodina sp.⁽⁶²²⁾

CNIDARIA

Myxobolus sp.⁽⁶²²⁾

***Sciaenochromis fryeri* Konings, 1993**

CILIOPHORA

Trichodina heterodentata

Duncan, 1977⁽⁶¹²⁾

Symphysodon aequifasciatus

Pellegrin, 1904

(Blue discus)

MONOGENEA

Sciadicleithrum variabile

(Mizelle & Kritsky, 1969)

Kritsky, Thatcher & Boeger,
1989⁽⁶³¹⁾

***Symphysodon discus*
Heckel, 1840
(Red discus)**

Synonym: *Symphysodon discus*
willischwartzi Burgess, 1981

CILIOPHORA

Ichthyophthirius multifiliis
Fouquet, 1876⁽⁶²⁰⁾
Trichodina sp.⁽⁶¹⁸⁾⁽⁶²²⁾

MONOGENEA

Dactylogyrus sp.⁽⁶²⁰⁾

NEMATODA

Capillaria sp.⁽⁶¹⁸⁾

***Symphysodon* sp.**

MONOGENEA

Sciadicleithrum sp.⁽⁶³²⁾

NEMATODA

Capillaria sp.⁽⁶³²⁾
Ichthyouris sp.⁽⁶³²⁾

FAMILY OSPHRONEMIDAE

***Betta splendens* Regan, 1910
(Siamese fighting fish)**

CILIOPHORA

Trichodina sp.⁽⁶²²⁾

MYZOOA

Piscinoodinium pillulare
(Schäperclaus) Lom, 1981⁽⁶²⁰⁾

**ORDER SILURIFORMES
FAMILY LORICARIIDAE**

***Peckoltia vittata* (Steindachner,
1881)**

Synonym: *Ancistrus vittatus*,
Hemiancistrus vittatus

CILIOPHORA

Ichthyophthirius multifiliis
Fouquet, 1876⁽⁶²²⁾

Trichodina sp.⁽⁶²²⁾

***Peckoltia* sp.**

Synonym: *Ancistrus*

CILIOPHORA

Trichodina sp.⁽⁶¹⁵⁾

FAMILY PANGASIIDAE

***Pangasius pangasius* (Hamilton,
1822)
(Pangas catfish)**

Synonym: *Pangasius buchani*
Valenciennes, 1840, *Pangasius*
pangasius godavarii David, 1962,
Pangasius pangasius pangasius
(Hamilton, 1822), *Pangasius*
pangasius upiensis Srivastava, 1968,
Pimelodus pangasius Hamilton, 1822

CILIOPHORA

Ichthyophthirius multifiliis
Fouquet, 1876⁽⁶²⁴⁾
Trichodina sp.⁽⁶²⁴⁾

MONOGENEA

Thaparocleidus caecus (Mizelle
& Kritsky, 1969) Lim, 1996⁽⁶²⁴⁾

TREMATODA

Centrocestus sp.⁽⁶²⁴⁾

***Pangasius* sp.**

Synonym: -

CILIOPHORA

Trichodina sp.⁽⁶²²⁾

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