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Checklist of the Cestoda (Platyhelminthes) of Switzerland

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Abstract: A checklist, including all the cestode taxa recorded from Switzerland, their hosts, as well as deposited specimens available in scientific collections, is provided. The country has one of the richest European cestode faunas consisting of 251 species, almost all of them cyclophyllideans, that were identified in 190 vertebrate and 24 invertebrate host species. This is a very significant increase over the previous similar list that was established one century ago by Fuhrmann (1926). Since then, advances have been particularly important for parasites of mammals and birds although an important margin of progress remains for the latter as several bird families have been surprisingly little studied in the country. A large proportion of species described in Switzerland, including 22 that are represented by types, are available in public collections, most of them at the Muséum d'histoire naturelle de Genève. New reports were numerous in the second half of last century but have become scarce in recent decades. Today, tapeworms have been identified in no more than one third of Swiss vertebrate species and despite one century of progress, the true diversity of this fauna in the country remains to be determined.

Keywords: Biodiversity - Platyhelminthes - Fauna - Tapeworms.

INTRODUCTION

Human-created borders obviously do not limit biological taxa, and it may look somewhat archaic to establish national checklists for the latter. However, despite their artificiality, such lists remain useful as practical tools in many domains, not least for conservation management. Furthermore, they allow aggregating hard to find and dispersed data, especially for poorly studied groups; or facilitate faunistic comparisons between regions. Although checklists are regularly published for better known groups, like vertebrates or some arthropods, this is generally not the case for less popular taxa, whatever their diversity or ubiquity. Parasitic helminths, and among them cestodes, certainly belong to this category, even though Switzerland was home to some of the most famous and prolific cestodologists of the 20th century, like Otto Fuhrmann (1871-1945) or Jean-Georges Baer (1902-1975). However, although these authors, and their students, contributed significantly to knowledge of the Swiss fauna, they never particularly focused on it. Today, the single exhaustive list of Cestoda found in Switzerland

remains that of Fuhrmann (1926) published almost a century ago.

Similar global checklists are also rare for most other countries, the most notable and recent exception in Europe being the “*Checklist of tapeworms of vertebrates in Finland*” (Haukisalmi, 2015). A few other ones in Belarus (Merkusheva & Bobkova, 1981), the Iberian Peninsula (Cordero del Campillo *et al.*, 1994), Slovakia (Macko *et al.*, 1993, 1994; Hanzelova *et al.*, 1995; Hanzelova & Ryšavý, 1996, 1999) and Poland (Pojmanska *et al.*, 2007) also exist. An ancient checklist for France (Joyeux & Baer, 1936) was ill named, as it also covered many taxa absent from this country. On-line checklists are available for Italy (<http://www.faunaitalia.it/checklist/index.html>) (Stoch, 2003), as well as for the United Kingdom (<https://www.nhm.ac.uk/research-curation/scientific-resources/taxonomy-systematics/host-parasites/database/index.jsp>) (Natural History Museum, London, 2007), although with limited updates or accompanying information.

A recent and comprehensive list for Western Europe is therefore lacking. The goal of this study is to provide a complete summary of the known fauna of cestodes in

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Switzerland. This list includes the names of the parasites, their known hosts, a simplified distribution in the country, a selective bibliography as well as a list of the known specimens kept in scientific institutions.

It should be emphasized that such a compilation is not a taxonomic work. As far as possible, historic names of parasites are listed under their presently accepted synonymy and they are placed in the most recent higher systematics of the group (Caira & Jensen, 2017), however no nomenclatural act is made here. This checklist aims at being a practical reference and tool for researchers and other users of biodiversity information.

HISTORICAL CONTEXT

The earliest report of an identifiable parasitic worm in Switzerland seems to be that of *Diphyllobothrium latum* by Dunus (1592). It was followed by a few publications in the 17th century on parasites of humans. Later reports became more common but remained mostly limited to common parasites of domesticated animals until the mid-19th century when a more diverse and steady flux of publications started. A rather large spectrum of authors has contributed to the knowledge of the Swiss fauna, but only a few have built a consistent body of work. The most important of them being Friedrich Zschokke (1860-1936) in Basel, who published essentially on parasites of fish; Bruno Galli-Valerio (1867-1943) in Lausanne, veterinarian and physician, who probably examined the largest diversity of Swiss vertebrates through numerous publications (see Gaschen, 1950); Otto Fuhrmann (1871-1945) in Neuchâtel, one of the giants of cestodology, who worked on most tapeworm groups and contributed significantly to the knowledge of Swiss Cyclophyllidea; Bernd Hörning (1931-2012) in Bern, a veterinarian with interest in many wild animals (see in particular: Hörning, 1963); and Claude Vaucher (1942-) in Geneva, who decisively contributed to the knowledge of the helminthofauna of micromammals.

Besides parasites of domestic animals (and humans), the focus of cestodes biodiversity research in Switzerland long concentrated on parasites of fish from the country's major lakes, resulting in plethora, and often repetitive, observations, especially at the turn of the 20th century. These are particularly problematic when considering the extremely complex fish diversity in Alpine lakes (see below). Works by K. Wolffhügel (1869-1951) or Fuhrmann then progressively expanded our knowledge of the bird fauna, but a new focus on wild mammals only appeared in the 1960s. However, the latter two classes of vertebrates remain relatively poorly known, with significant gaps for example in passerines, or in chiropterans. As for amphibians and reptiles, only a very few isolated publications exist. Reports from larval forms in invertebrates are also limited and mostly ancient, as research on life cycles progressively became

unfashionable. The last significant reports in this field in Switzerland are from the late 1980s (Szelenbaum-Cielecka *et al.*, 1988).

The last two new cestode species descriptions from Swiss vertebrates, one in very common Song Thrushes and one in Great crested Grebes, are respectively over 30 and 20 years old (Gigon & Beuret, 1991; Vasileva *et al.*, 2000).

MATERIAL AND METHODS

Sources:

- 1) Museum data. Muséum d'histoire naturelle de Genève (MHNG) holds one of the major collections of cestodes worldwide (>22'000 lots), including most historic collections of Swiss cestodologists. Its catalogue provided the backbone of the present list. Additional data were requested from other Swiss Museums that maintain scientific collections as well as from major foreign Museums likely keeping Swiss specimens.
- 2) Other institutions data. Some veterinary or para-medical institutions in Switzerland were asked for archives or registers.
- 3) Bibliography. Searches were made with appropriate taxonomical and geographical filters in Web of Science's Zoological Record (© Clarivate).
- 4) Several unpublished student works from parasitology departments in Swiss institutes.

Conditions for listing:

For a species to be included in the checklist, at least one of two nonexclusive conditions had to be met: The taxon had to be published with an explicit mention of its Swiss origin and/or specimens labeled as of Swiss origin had to be registered in collections in an academic institution. For the sake of consistency, and contrary to Fuhrmann (1926), observations from bordering foreign localities (e.g., "Salève" or "Black Forest") are not included here, leading to the exclusion of a few taxa that were listed in Fuhrmann's catalogue.

Data provided (Table 1, Annex 1):

Cestodes specific identification (generic in a few cases): Except in rare instances, identifications have not been checked. Thus, the original publication/label name is reported, either as the valid or synonym name of the taxon. A synonym list is provided but does not aim at comprehensiveness: only names that have been used when specifically referring to specimens in Switzerland are mentioned.

Hosts: All hosts, both final and intermediate, belonging to the Swiss fauna are reported.

For vertebrates, hosts are listed under their present taxonomic status according to Fishbase (Froese & Pauly, 2021), Amphibian Species of the World (Frost,

2021), The Reptile Database (Uetz & Etzold, 1996), Avibase (Lepage, 2018), and Aulagnier *et al.* (2008) respectively for fish, amphibians, reptiles, birds and mammals (all online references accessed in 2021). Ancient host names have been updated in accordance. Parasites of captive hosts not belonging to the Swiss fauna are not listed.

The Swiss vertebrate fauna is well known, and most names are unambiguous. A significant exception to this statement concerns the fish, and especially the whitefishes (*Coregonus* spp., Salmonidae). Over the years, a very large number of names, both scientific and vernacular, have been used for these fish, especially in Swiss lakes. This is due to a complex history of speciation, colonization, hybridization, human transfers, and local extinctions. Revisions and descriptions of new taxa have been numerous (e.g., Selz *et al.*, 2020). Up to 35 species may presently be living in Swiss lakes, but revisions keep diverging both in the number and names of these taxa. Despite several attempts to clarify their systematic status (e.g., Steinmann, 1950; Kottelat & Freyhof, 2007) no taxonomical consensus presently exists. Even the species concept best adapted to *Coregonus* taxa is not clear as so called “speciation reversals” seem to be the norm under changing ecological conditions (Vonlanthen *et al.*, 2012). The problem is further enhanced when trying to match often partial or imprecise historical observations to present day nomenclature, a close to impossible task. Hence, I chose to retain the limited number of *Coregonus* species names that are recognized as valid in Fishbase (Froese & Pauly, 2021) even though this can lead to some inconsistencies. For example, in Lake Geneva, historical species are now considered extinct (Vonlanthen *et al.*, 2012), but I nevertheless use their names, as in the original publications, as no consensus exists on other ones. It is most likely that each significant water body in the country hosts its own fish population/parasite population fauna (with possible speciation for either or both in some cases), but no convenient nomenclatural system, neither for hosts nor for parasites, has yet been accepted to adequately represent this situation.

In addition, some rare ambiguities may occur for reports from domestic mammals that have a wild conspecific in the country, in particular for cats, with both *Felis s. silvestris* and *F. s. catus* living in Switzerland. Unless specified otherwise, reports are assumed to be from the domesticated form.

Developmental stage: Hosts of larval forms are mentioned as such. Note that in a few cases both adult and larval worms can be found in the same host.

Localities: Detailed localities are not reported (and, most often, not available); only cantons and large water bodies are mentioned when such information exists. In some cases, especially for collection specimens, only the mention “Switzerland” is available, resulting in this field being kept empty. Cantons and water bodies

mentioned might in some cases refer to the same observation from different sources.

Standard Swiss cantons abbreviations (<https://www.iso.org/obp/ui/#iso:code:3166:CH>) are used, except for BA (Basel) being used as a collective for BL and BS (Basel state and Basel city). The main water bodies are abbreviated as follows: A: Lake Maggiore; B: Lake Biel/Bienne; L: Lake Geneva/Léman; M: Lake Morat; N: Lake Neuchâtel; O: Lake Constance/Bodensee; T: Lake Thun; U: Lake Zug; V: Lake Lucerne/Vierwaldstättersee; Z: Lake Zürich. In a few cases CH is used for a documented countrywide distribution.

Collection dates: Only unambiguously reported collection years (which can significantly differ from publication dates) are mentioned. In most cases, especially for more ancient records, this information is lacking.

References: Bibliographic references are not listed exhaustively. A subjective selection of the most relevant publications citing the taxon is mentioned. For many specimens in collections, no associated publication is known.

Specimens: All databased specimens I am aware of are listed here with their accession number, and type status where appropriate. There are, however, a few unregistered samples from the large common species (*Taenia*, *Diphyllobothrium*, *Ligula*, ...) on display, or in the collections, of many smaller institutions. Museum acronyms: IPCAS: Institute of Parasitology, Czech Academy of Sciences; MHNf: Musée d'histoire naturelle, Fribourg; MHNG-PLAT: Muséum d'histoire naturelle de Genève, Platyhelminthes Collections; MUW: Department of General Biology and Parasitology, Medical University of Warsaw; GBIFCH: Musée de Zoologie, Lausanne, Invertebrates collections (=MZL-Invert); NMB-CEST: Naturhistorisches Museum, Basel, Cestodes collections; NHM: Natural History Museum, London; NSW: Naturmuseum Winterthur; USNM: National Museum of Natural History, Smithsonian Institution, Washington, DC; ZMZ: Zoologisches Museum Zürich.

RESULTS

Mentions of at least 251 cestode species [in 125 genera and 21 families] forming 689 host/parasites pairs could be traced in Switzerland (including 5 *species inquirendae*) (Tables 1, 3). This is, respectively, a 99 and 132% increase on Fuhrmann's (1926) list. The main cestode order present in Switzerland is, by far, the Cyclophyllidea (218 spp. or 87% from total) with Hymenolepididae (111 spp.) followed by Dilepididae (36 spp.) as the most represented families. Altogether 214 species of hosts, 24 invertebrates and 190 vertebrates, have been recorded harboring cestode parasites. The cestode fauna of birds

is the most diversified (Table 2). Eight species are known only from their metacestodes.

Specimens from 208 (84%) of the species known from Switzerland are preserved in academic institutions, including 6 holotypes, 1 lectotype, 14 syntypes, 15 paratypes and 2 “types” specimens/lots representing 22 cestode species. These are distributed in 1250 lots, over 93% of them kept in the Muséum d’histoire naturelle de Genève (Annex 1). About 82% of the specimens with associated collection data were gathered in the second half of the last century. Parasites were recorded from all over Switzerland, although with a marked bias toward the Southern Alpine and Western parts of the country (Table 1).

REMARKS

a) Numbered remarks in Table 1:

- [1] Locality uncertain and host probably *Marmota* sp. (Global Cestode Database, Caira *et al.*, 2023)
- [2] Possibly imported from Eastern Europe.
- [3] This material is wrongly reported as *D. columbina* instead of *D. columbae* in the USNM database.
- [4] As *Taenia blanchardi* in Fuhrmann (1926).
- [5] Possibly also Galli-Valerio 1929 in VD (Gaschen, 1950).
- [6] One record (MHNG-PLAT-55742) of this species is reported from *Aythya marila* (Anatidae), a probable mislabeling.
- [7] Observation in a zoological garden, but the host is present in Switzerland.
- [8] Dubious as only *H. hibernia* Montgomery, Montgomery & Dunn seems to parasitize *Apodemus* (Nkouawa *et al.*, 2016)
- [9] Marked “*H. phasianina*”.
- [10] These records are dubious and likely due to mislabeling as these species are parasites of shrews (V. Haukisalmi, pers. communication).
- [11] One slide (MHNG-PLAT-40931) is marked with *Mergus serrator* as host, but the specimens are misidentified.
- [12] Original report mentions *Anser arvensis*, interpreted as *A. fabalis*.
- [13] Published information (Vaucher & Hunkeler, 1967); however, the single matching slide in collections (MHNG-PLAT-18532) indicates *R. straminea*.
- [14] Dubious. Vaucher (1971) considers the taxon as a specific parasite of *Crocidura*.
- [15] Possibly also intermediate host (Eckert & Deplazes, 2004).
- [16] Both in wild and domestic cats (Gaschen, 1950).
- [17] Uncertain. Reported by Fuhrmann (1926) from an observation of Galli-Valerio (1916).
- [18] According to Hörning (1963), only imported hares were positive.
- [19] Domestic.
- [20] Host inferred.
- [21] These records are suspicious as rodents are normal intermediate hosts of *V. mustelae*.
- [22] *Diphyllobothrium* sp. interpreted as *D. latum*.
- [23] According to Wicht (2008), *D. latum* does not develop in coregonids and probably also not in salmonids. Reports in these hosts may concern *D. dendriticum* (or possibly *D. ditremus*).
- [24] Local contamination but imported intermediate host.
- [25] *Proteocephalus* host list. Multiple confusions due to the close morphological similarity between *P. longicollis* with *P. exiguus*, *P. fallax*, *P. alosa* (now synonymized), *P. fillicollis* and *P. percae* have been the norm during most of the 20th century. This resulted in the mention of these worms in a variety of hosts, but many of these are most certainly misidentifications or accidental infections.
- [26] *P. fillicollis* is a parasite of *Gasterosteus aculeatus* and *Coregonus fera* is probably a postcyclic host (i.e., an additional host becoming infected with an adult worm through predation).
- [27] *P. longicollis* is a parasite of Salmonidae, but its presence in *Alosa agone* is possible. Reports in other fishes are likely misidentifications. Report in *Natrix* is certainly accidental/postcyclic. *M. leuckarti* has been found to be an unsuitable experimental host (T. Scholz, pers. communication).
- [28] A recent molecular analysis (Brabec *et al.*, 2023) suggested, however, that *P. fallax* may be a valid species parasite in *Coregonus* sp. while *P. longicollis* would be restricted to *Salmo* spp. hosts.
- [29] *P. percae* is a parasite of *Perca fluviatilis* and *Esox lucius* (postcyclic). *Proteocephalus ocellatus* (Rudolphi, 1802) was not recognized by Fuhrmann (1926) and is considered a synonym of *P. percae* (Muller, 1780) by Scholz & Hanzelova (1999). The numerous mentions of “*P. ocellatus*” in fish of other families, mostly in old records (e.g., Zschokke, 1884; Nufer, 1905) are most likely accidental or misidentifications.
- [30] *P. torulosus* is a parasite of Cypriniforms and records in other fishes should be considered accidental or misidentifications.

b) Other remarks

- Two taxa reported by Fuhrmann (1899), *Acoleus vaginatus* (Acoelidae) in *Himantopus himantopus* and *Gyrocoelia perversus* (= *perversa*) (Dioicocestidae) in *Limosa lapponica*

are not considered herein. This material was given for determination to Fuhrmann by the MHNG, but I could find no indication that it originated from Geneva (or Switzerland). As no further reports of these taxa have been published, their presence in the country remains uncertain.

- Fuhrmann (1926) similarly reports the presence of *Diplophallus polymorphus* in *Recurvirostra avosetta* in Basel. A possible match for this material could be MHNG-PLAT-55673 that originates from the University of Neuchâtel collection, although no locality is mentioned on the label. Furthermore, the specimens, originally reported by Wolffhügel (1900), come from a “Zoologischer Garten von der Nordsee”. In consequence this taxon has most likely not been found in Switzerland and I haven’t considered it in the table.
- An occurrence of *Grillotia erinaceus* (van Beneden, 1858) is mentioned in *Lota lota* in the early literature (e.g., Zschokke, 1903; Fuhrmann, 1926). Both the freshwater host and the locality (Lake Geneva) of this single record are highly improbable for a trypanorhynch cestode. No material is known. I have removed this host-parasite occurrence from the list.
- A type of *Proteocephalus abcisus* [= *Choanoscolex abcisus* (Riggenbach, 1895) La Rue, 1911] is registered from Switzerland in the USNM (#1349984). Origins of this material are unclear, but the species is from the Neotropics and does not belong to the Swiss fauna.
- Some data of Vaucher (1971) are difficult to interpret as a detailed host-parasite list by locality is not given. Geographical locations were ascertained on labels linked to specimens when available. In a few cases I considered that the parasite was present in Switzerland in each of its reported hosts whose distribution encompassed the country.

DISCUSSION

Sources

It should be noted that an important part of the data collected in this work comes from natural history collections material, highlighting the crucial importance of these institutions for our understanding of the biodiversity through time. Given their highly specialized nature, only a few museums maintain scientific collections of tapeworms and therefore I assume that a very high proportion of the existing information could be accessed. A similar level of confidence could also be reached for published information through the rich bibliographic database of the MHNG library and bibliographic

software. A few host/parasite reports were nevertheless difficult to track, especially when published in very local veterinary journals and a few have certainly been missed. Globally, though, I am confident that the information gathered in Table 1 is comprehensive. In addition to these traditional sources, a single occurrence of an unusual and quite unexpected host-parasite association was revealed through DNA sequencing (*Taenia martis* in *H. sapiens*, see Table 1). This is not surprising as only few sequences of cestodes of Swiss origin, mostly from Taeniidae and Proteocephalidae, are available in Genbank.

Available material

It is remarkable that a very high proportion (84%) of the species known from Switzerland are represented by at least one sample in academic institutions (Annex 1). This is the direct consequence of the intense activity of researchers at the University of Neuchâtel during most of the last century. Their collections (as well as samples entrusted to them) were ultimately kept at the museum of natural history of this city, then transferred to the MHNG, which became a major repository for helminthological collections. Interestingly, only 22 species from this large pool are represented by types. These types are mostly from parasites of micromammals and have almost all been published either by Baer and collaborators in the 30s or by recent authors (e.g., Makarikov & Kontrimavichus, 2011). No parasites from birds were described in the country since Vasileva *et al.* (2000). Some material may have been registered without mention of their type status and it is possible, although unlikely, that other taxa from Swiss origin have been described without clear reference in foreign publications with their types conserved in collections not surveyed herein. Nevertheless, potential candidates for Swiss endemics should be looked for within those 22 species, especially amongst the micromammal parasites.

Host coverage

In comparison with Fuhrmann (1926) a significantly higher proportion of the Swiss fauna is currently known to host cestodes. The increase is particularly important for mammals (+130%) and to some extent for birds (+73%), while it is minor for other groups of vertebrates. Despite these figures, it should be noted that cestodes remain known from less than one third of the potential Swiss vertebrate hosts (see Table 2). Metacestodes have been found in 40 invertebrate taxa, an increase from 24 in Fuhrmann (1926), but still an extremely low number that is likely due to the paucity of recent life-cycles studies. *Actinopterygii*: There is a long tradition of fish parasitological studies in Switzerland and thus it is logical that the number of host species has only marginally increased since Fuhrmann (from 31 to 36). The tapeworm fauna from most common fishes is generally well known, although the problem of *Proteocephalus* spp. in whitefish remains unresolved

(see above) and will necessitate detailed molecular studies to untangle. Nevertheless, despite the abundant literature and over a century of studies, the helminthes of the smaller or less common species remain poorly explored as tapeworms have been found in only 36% of the fish present in Switzerland (Table 2). An additional difficulty with fish is that introduced or invasive taxa are a problem in some waterbodies. A few of them have acclimated together with their parasite fauna, like the catfish *Ameiurus melas* (Rafinesque, 1820) and its proteocephalid *Corallobothrium parafimbriatum* Befus & Freeman, 1973.

Amphibia/Reptilia: Tapeworms are poorly diversified in herptiles, and the Swiss amphibian and reptile fauna is limited. Since Fuhrmann (1926) no new amphibian host has been found, but 2 snake and 1 lizard species have been discovered with cestodes. Tapeworms are probably present in a few more reptiles, but parasitological investigations of these hosts are particularly scarce.

Aves: With cestodes described in a mere 20% of the 431 bird species recorded in Switzerland, this group of hosts is proportionally the most understudied, and consequently the largest reservoir of potential new species of parasites for the country's fauna. A large-scale study in many different countries worldwide showed that at least 40% of examined bird species hosted cestodes (Mariaux *et al.*, 2017). In Switzerland, gaps are numerous as tapeworms have been found in only 35 out of 82 families of birds. Among the many families with no or very few recorded cestodes are small passerines [e.g., Acrocephalidae 0 species with cestodes out of 11 present, Hirundinidae (0/5), Phylloscopidae (1/11), Motacillidae (0/13) or Muscicapidae (2/23)]; however, some larger and very common birds, e.g., in Ardeidae (3/9) or Charadriidae (1/11) are also surprisingly understudied. It is for example highly unexpected that no tapeworm has been identified from the ubiquitous *Ardea cinerea* Linnaeus, 1758 in the country. Any basic parasitological survey of these often common and unthreatened birds would quickly add many species and dozens of host/parasites records to this checklist.

Mammalia: Most larger mammals, especially domestic ones, have been regularly studied and their parasitofauna can be considered as known. Starting in the 1960s regular surveys of micromammals have been undertaken and these hosts are now globally well covered too, resulting in cestodes described in 56% of the Swiss mammal fauna. Major gaps remain in Chiroptera with cestodes found in only 4 out of 26 species in the country.

Taxonomic problems

Confidence in cestode identifications reported herein may vary greatly among groups and depends obviously in part on whether recent revisions were made, or failing this, on the quality of initial determination. For many of the cyclophyllidean taxa, no recent taxonomic reassessment was performed, although a

number of subgroups have been reviewed (at least in part) in the last two decades including several genera of Hymenolepididae (e.g., Vasileva *et al.*, 1999, 2002; Makarikov & Georgiev, 2020) or of Dilepididae and Paruterinidae (e.g., Georgiev *et al.*, 2004; Komisarovas *et al.*, 2007; Dimitrova *et al.*, 2017). Conversely, Bothriocephallidea and Oncoprotocephalidea have been more extensively reviewed e.g., by Scholz *et al.* (2007) or Kuchta *et al.* (2008). It remains that some of the older identifications may need confirmation. Part of the ancient material deposited in museums is, however, now over 100 years old and starting to deteriorate, making their study difficult. The development of molecular tools will certainly also bring new information on the composition and diversity of some taxonomically difficult groups, as recently exemplified by Brabec *et al.* (2023) but their use for identifying new taxa remain elusive for the time being as a comparative database is lacking.

Comparison with other European faunas

With 251 tapeworm species, the Swiss fauna is proportionally richer than that of other European countries, some of them much larger and with a marine fauna, like Finland (170 spp.), Iberian Peninsula (257 spp.), Slovakia (225 spp.), Poland (279 spp.) (Haukisalmi, 2015) or Italy (323 spp.) (Stoch, 2003). This observation stands even when considering only vertebrate hosts, as some of the above-mentioned reports did not consider invertebrates and metacestodes. For non-landlocked countries, the marine component of the specific diversity is obviously significant (e.g., Cyclophyllidea only count for 63% of the Italian specific diversity), but even lacking it, the Swiss fauna is remarkably diverse (61 spp./10⁷000 sq. km in Switzerland vs. 10.7 in Italy or 8.6 in Poland). By this metrics, Slovakia has the closest diversity (45.9) to Switzerland. Both countries share a landlocked situation at similar latitude, a mountainous landscape, as well as a strong helminthological tradition and therefore a higher number of species examined than in other countries. This last factor is likely the most significant, as also noted by Haukisalmi (2015).

More detailed comparisons of parasites faunas are hazardous as each country has a typical host diversity. However, Haukisalmi (2015, table 1, P6) provided a comparison of unique cestode species numbers per order of birds in various European countries to which we can compare figures for Switzerland. The latter are very similar to those in almost all countries considered, with the highest number of cestodes in Anseriformes, Passeriformes, Gruiformes, Galliformes and Podicipediformes.

CONCLUSION

Despite lacking a marine fauna, Switzerland hosts a very rich cestode diversity that has been quite extensively studied, especially in the first half of the 20th century.

Since the seminal synthesis of Fuhrmann (1926), our knowledge of tapeworms' diversity in the country expanded significantly, most notably in mammals.

This positive trend should, however, be put in perspective, as most of this progress was due to a very limited and quickly waning number of scientists. Presently, not only reports of new taxa are excessively rare and have all but stopped, but regular reports of known species in the wild fauna also became scarce. Among the factors leading to this situation, the vanishing training of taxonomists in this (and many other) group is certainly crucial. Furthermore, the taxonomy of animals like cestodes cannot rely on a population of amateur scientists to complement institutional research and the implementation of alternative (molecular?) systems of identification remain hypothetical at best given the poor comparative database available yet. This is worrying in a context of the threat to global biodiversity, and unfortunate because local taxonomic research would not require heavy investment. As demonstrated many times, including in Switzerland (e.g., Gigon & Beuret, 1991), a parasitological assessment of even the most common hosts would easily enrich the Swiss fauna and discover new indigenous taxa. This type of survey is, however, unlikely to flourish in the future as administrative agreements for collecting hosts, especially birds and some mammals, become increasingly arduous to obtain (Mariaux, 2021). As a result, today, and despite the number of prominent cestodologists who worked in Switzerland, less than one third of vertebrates in the country are known to harbor cestodes. The true extent of this parasitic fauna hence remains to be described.

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Table 1. List of cestodes and their hosts in Switzerland. Parasite species with a * and hosts with a ° were already reported in Fuhrmann (1926). L indicates that larval forms were found in this host. See "Material and Methods" section for details and abbreviations. Remarks are numbered in square brackets and are developed in the text.

BOTHRIOCEPHALIDEA				
Triacnophoridae Lönnerberg, 1889				
<i>Bathybothrium</i> Lühe, 1802				
<i>B. rectangulum</i> * (Bloch, 1782) - (<i>Abothrium rectangulum</i> , <i>Bothriotaenia rectangulus</i>)				
Cyprinidae	<i>Barbus barbus</i> °	Nufer 1905		BA, N, O, V
Percidae	<i>Perca fluviatilis</i>	L		BA
<i>Bothriocephalum marietani</i> Galli-Valerio, 1930 (sp. inquirenda)				
Rallidae	<i>Rallus aquaticus</i>		Galli-Valerio 1930, Gaschen 1950, Kuchta & Scholz 2007	VS
<i>Eubothrium</i> Nybelin, 1922				
<i>E. crassum</i> * (Bloch, 1779) - (<i>Abothrium crassum</i> , <i>Ichthyotaenia percae</i>)				
Salmonidae	<i>Coregonus fera</i>	Zschokke 1933		NE, L
Salmonidae	<i>Coregonus macrophthalmus</i>	Zschokke 1933		N, V
Salmonidae	<i>Coregonus warmmanni</i>	Zschokke 1933		O, V
Salmonidae	<i>Salmo trutta</i> °	Fuhrmann 1926, Hörning 1963, Sublet 1987		BA, GE, NE, VD, VS, L, O/1961-8, 1977, 1986-98
Salmonidae	<i>Salmo salar</i> °	Zschokke 1889, Fuhrmann 1926		BA
Lotidae	<i>Lota lota</i> °	Fuhrmann 1926		L, N, O, V
<i>E. salvelini</i> * (Schrank, 1790) - (<i>Bothriocephalus infundibuliformis</i> , <i>Abothrium infundibuliformis</i>)				
Cottidae	<i>Cottus gobio</i> °	L Fuhrmann 1926		O
Cyprinidae	<i>Barbus barbus</i> °	L Fuhrmann 1926		O
Esocidae	<i>Esox lucius</i> °	L Blanc 1887		L, O, Z
Leuciscidae	<i>Squalius cephalus</i> °	L Nufer 1905		O, V
Lotidae	<i>Lota lota</i> °	L Zschokke 1884, Nufer 1905		L, V
Percidae	<i>Perca fluviatilis</i> °	L Zschokke 1884, Nufer 1905		L, N, O, V
Salmonidae	<i>Coregonus fera</i> °	Zschokke 1884		L
Salmonidae	<i>Coregonus macrophthalmus</i> °	Zschokke 1933		V
Salmonidae	<i>Coregonus warmmanni</i> °	Zschokke 1933		O, V
Salmonidae	<i>Salmo salar</i> °	Zschokke 1896		BA
Salmonidae	<i>Salmo trutta</i> °	L Zschokke 1884, Nufer 1905		L, V
Salmonidae	<i>Salvelinus umbla</i> °	L Galli-Valerio 1901, Nufer 1905		GE, VD, L, N, O, V/1999, 2000, 2002
Salmonidae	<i>Thymallus thymallus</i> °	L Zschokke 1884		BA, L, N, O
Siluridae	<i>Silurus glanis</i> °	L Fuhrmann 1926		O
<i>Triacnophorus</i> Rudolphi, 1793				
<i>T. crassus</i> * Forel, 1868 - (<i>Triacnophorus robustus</i>)				
Esocidae	<i>Esox lucius</i> °	Fuhrmann 1909, Fuhrmann 1926		BE, NE, ZG, B, L, N/1907, 1938
Salmonidae	<i>Coregonus</i> sp.	L		ZG
Salmonidae	<i>Coregonus lavarehus</i>	L		V/2009-10
<i>T. nodulosus</i> * (Pallas, 1781) - (<i>Triacnophorus luci</i>)				
Cottidae	<i>Cottus gobio</i> °	L Nufer 1905		V
Esocidae	<i>Esox lucius</i> °	L Lune I 1879, Blanc 1887, Nufer 1905, Fuhrmann 1909		BA, GE, NE, L, N, O, V/1923, 1969, 1994, 2002-9
Leuciscidae	<i>Alburnus alburnus</i> °	L Lune I 1879, Nufer 1905		L, V
Lotidae	<i>Lota lota</i> °	L Lune I 1879, Nufer 1905, Fuhrmann 1909, Hörning 1963		CH/1907, 1938, 1961-3
Percidae	<i>Perca fluviatilis</i> °	L Forel 1868, Nufer 1905, Fuhrmann 1909, Hörning 1963		GE, OW, VD, L, N, O, V/1867, 1961-3, 1994-6
Phoxinidae	<i>Phoxinus phoxinus</i>	L Nufer 1905		V
Salmonidae	<i>Coregonus fera</i> °	L Zschokke 1933		GE, V
Salmonidae	<i>Coregonus macrophthalmus</i> °	L Zschokke 1933		N, V
Salmonidae	<i>Coregonus warmmanni</i> °	L Nufer 1905, Zschokke 1933		BE, O, U, V
Salmonidae	<i>Salmo trutta</i> °	L Lune I 1879, Zschokke 1884		BE, L
Salmonidae	<i>Salvelinus umbla</i> °	L Zschokke 1884, Nufer 1905		L, V
Salmonidae	<i>Thymallus thymallus</i> °	L Zschokke 1884		BE, L, O
Tincidae	<i>Tinca tinca</i>	L Galli-Valerio 1901		A

CARYOPHYLLIDEA**Caryophyllaeidae Leuckart, 1878***Caryophyllaeus* Gmelin, 1790*C. fimbriiceps* Annenkova-Chlopina, 1919*Cyprinus carpio**Cyprinidae* *Cyprinidae**Cottidae* *Cottus gobio*^o*Cyprinidae* *Cyprinus carpio*^o*Leuciscidae* *Abramis brama*^o*Leuciscidae* *Alburnus alburnus*^o*Leuciscidae* *Blicca bjoerkna*^o*Leuciscidae* *Chondrostoma nasus*^o*Leuciscidae* *Rutilus rutilus*^o*Leuciscidae* *Squalius cephalus*^o*Tincidae* *Tinca tinca*^o*Tubificidae* *Limnodrilus clapariedianus*^o*Tubificidae* *Tubifex barbatus*^o*Tubificidae* *Tubifex tubifex*^o**Lytocestidae Hunter, 1927***Caryophyllaeides* Nybelin, 1922*C. fennica** (Schneider, 1902) - (*Caryophyllaeus fennicus*, *Caryophyllaeides fennicus*, *Cyrophyllaeus mutabilis*)*Leuciscidae**Leuciscidae* *Blicca bjoerkna**Leuciscidae* *Chondrostoma nasus*^o*Leuciscidae* *Rutilus rutilus*^o*Leuciscidae* *Scardinus erythrophthalmus**Leuciscidae* *Squalius cephalus*^o*Khanvia* Hsü, 1935*K. baltica* Szidat, 1942*Tincidae***CYCLOPHYLLEIDA****Amabiliidae Braun, 1900***Joyeuxilepis* Spasskii, 1947*J. acanthorhyncha** (Wedl, 1855) - (*Tarria acanthorhyncha*)*Podicipedidae**Podicipedidae* *Podiceps cristatus*^o*Tachybaptidae* *Tachybaptus ruficollis***Anoplocephalidae Blanchard, 1891***Anoplocephala* Blanchard, 1848*A. magna** (Abildgaard, 1789) - (*Anomotaenia plicata*)*A. perfoliata** (Goeze, 1782)*Equidae* *Equus caballus*^o*Equidae* *Equus caballus*^o*Anoplocephaloides* Baer, 1923*A. dentata* (Galli-Valerio, 1905) - (*Anoplocephala dentata*, *Paranoplocephala brevis*)*Cricetidae* *Chonomys nivalis**Cricetidae* *Microtus agrestis**Cricetidae* *Microtus arvalis**Cricetidae* *Microtus subterraneus**Cricetidae* *Myodes glareolus**Arriotaenia* Sandground, 1926*A. incisa* (Railliet, 1899) - (*Oochoaristica incisa*)*Canidae* *Vulpes vulpes**Mustelidae* *Meles meles**Citrotaenia* Riehm, 1891*C. denticulata** (Rudolphi 1804) - (*Citrotaenia goezi*)*Leporidae* *Oryctolagus cuniculus*^o*Ctenotaenia* Railliet, 1895*C. marmotae** (Froelich, 1802) - (*Citrotaenia avicola*, *C. marmotae*, *Ctenotaenia avicola*)

1919, 1925

V

BE, N

NE, O, L, N, V/1914, 1960, 1964, 1968, 1976

O

O, V

BA, V

VD, L, N, O, V/1960

NE, L, O, V

L

NE, A, Z

VD

VD, A, N

N/1960

BA

V

NE/1960

L, N

1933, 1934

N

NE

BE, GE, NE, VD, ZH

NE, VD, ZH

GR, VS/1996

VS/2000

VS/1968

GR, VD/1973, 1996

GE/1963

VD/1962

BL, NE, VD/1956, 1961-3

BE, VD/1910

Nufer 1905

Fuhrmann 1926

Nufer 1905, Huber 1988

Fuhrmann 1926

Nufer 1905

Nufer 1905

Huber 1988

Zschokke 1884, Nufer 1905

Fuhrmann 1926, Huber 1988

L Fuhrmann 1926

L Fuhrmann 1926

L Fuhrmann 1926

Fuhrmann 1926

Fuhrmann 1926

Zschokke 1884, Fuhrmann 1926

Fuhrmann 1926

Galli-Valerio 1901, Fuhrmann 1926

Hörning 1963

Galli-Valerio 1910

Anatidae	<i>Anas</i> sp. ^o	Fuhrmann 1897	GE (?) [1]
Scarabaeidae	<i>Amidorus obscurus</i> ^o	Galli-Valerio 1918, 1925	VS
Scuridae	<i>Marmota marmota</i> ^o	Galli-Valerio 1918, 1940, Bouvier 1963, Hörming 1966	FR, GR, UR, VD, VS/1917, 1961-4
<i>Equinia</i> Haukisalmi, 2009			
Equidae	<i>E. mamillana</i> * (Mehlis in Gutil, 1831) - (<i>Anoplocephala mamillana</i> , <i>Anoplocephalus mamillana</i> , <i>Paranoplocephala mamillana</i>) <i>Equus caballus</i> ^o		BE, NE, ZH/1920
<i>Eurotaenia</i> Haukisalmi, Hardman, Hoberg & Henttonen, 2014			
Cricetidae	<i>Chionomys nivalis</i>		VD/1994
Cricetidae	<i>Microtus agrestis</i>		VD, VS/1968, 1993
Cricetidae	<i>Microtus arvalis</i>		VD/1993
Cricetidae	<i>Microtus subterraneus</i>	Tenora & Murai 1980	UR, VS/1966, 1971
Cricetidae	<i>Myodes glareolus</i>		VD/1993
<i>Genovia</i> Haukisalmi, 2009			
Leporidae	<i>G. wimerosa</i> (Moniez, 1880) - (<i>Anoplocephaloides wimerosa</i> , <i>Paranoplocephala wimerosa</i>) <i>Lepus timidus</i>		VS
<i>Marmotocephala</i> Gvozdev, Zhigileva & Gulyaev, 2004			
Scuturidae	<i>M. transversaria</i> * (Krabbe, 1879) - (<i>Paranoplocephala transversaria</i>) <i>Marmota marmota</i>	Kreis 1962, Hörming 1966	GR
<i>Microtocola</i> Haukisalmi, Hardman, Hoberg & Henttonen, 2014			
Cricetidae	<i>M. blanchardi</i> (Moniez, 1891) - (<i>Anoplocephala blanchardi</i> , <i>Paranoplocephala blanchardi</i>) <i>Arvicola amphibius</i>	Gaschen 1950	VD/1993
Cricetidae	<i>Microtus agrestis</i>		VD/1974
Cricetidae	<i>Microtus arvalis</i>		
<i>Moniezia</i> Blanchard, 1891			
Bovidae	<i>M. benedenti</i> * (Moniez, 1879) - (<i>Moniezia denticulata</i> , <i>Moniezia planissima</i> , <i>Moniezia rupicaprae</i>) <i>Bos taurus</i> ^o	Fuhrmann 1926	BA, BE, NE, TG, ZH/1916
Bovidae	<i>Capra ibex</i>	Bouvier & Hörming 1963	GR/1961-3
Bovidae	<i>Bos taurus</i> ^o		BE, GE, ZH/1930
Bovidae	<i>Capra ibex</i>	Bouvier & Hörming 1963, Hörming 1963	GE, VD, VS/1961-3
Bovidae	<i>Ovis artes</i> ^o	Gaschen 1950	BE, NE, VD, ZH/1987
Bovidae	<i>Rupicapra rupicapra</i>	Hörming 1963	VS/1961-3
Cervidae	<i>Capreolus capreolus</i>	Hörming 1963	BE, GR, NE, OW, VD/1961-3, 1970-1
<i>Mosgovoyia</i> Spasskii, 1951			
Leporidae	<i>M. pectinata</i> * (Goetze, 1892) - (<i>Citotaenia pectinata</i> , <i>Citotaenia pectinata</i>) <i>Lepus europaeus</i>	Hörming 1963	NE, OW, TI, VD, VS/1961-3
Scuturidae	<i>Lepus timidus</i> ^o	Galli-Valerio 1940, Hörming 1963	BE, VS, VD/1961-3, 1967
<i>Neocitotaenia</i> Tenora, 1976			VS/1964
Leporidae	<i>N. ctenoides</i> (Ralliet, 1890) - (<i>Citotaenia ctenoides</i>) <i>Oryctolagus cuniculus</i>		BE/1976
<i>Oochoristica</i> Lühe, 1898			
Lacertidae	<i>O. rotundata</i> (Molin, 1859)		TI
<i>Paranoplocephala</i> Lühe, 1910			
Cricetidae	<i>Lacerta viridis</i>		FR, GE, JU, NE/1962-4, 1969, 1976
Cricetidae	<i>P. omphalodes</i> (Hermann, 1783) - (<i>Andrya caucasica</i>) <i>Arvicola amphibius</i>	Baer 1932, Wahl 1967	VS/1994
Cricetidae	<i>Chionomys nivalis</i>		VD, VS/1961-3
Cricetidae	<i>Microtus agrestis</i>	Hörming 1963	GE, VD/1961-3, 1994
Cricetidae	<i>Microtus arvalis</i>	Baer 1932, Hörming 1963	TI/1971
Cricetidae	<i>Microtus multiplex</i>		BE, GE, NE, VS/1951, 1961-4, 1968, 1972, 1985
Cricetidae	<i>Myodes glareolus</i>	Hörming 1963, Wahl 1967	GE
Muridae	<i>Apodemus</i> sp.		
<i>Thysanites</i> Skjabin, 1926			
Bovidae	<i>T. giardi</i> (Moniez, 1879) - (<i>Helicometra giardi</i>) <i>Ovis artes</i>		GE

<i>Thysanosoma</i> Diesing, 1835			
<i>T. actinioides</i> Diesing, 1835			
Bovidae			
Catenotaeniidae Spasskii, 1950			
<i>Catenotaenia</i> Janicki, 1904			
<i>C. dendritica</i> * (Goeze, 1782)			
Scutidae			
<i>C. heintoniemi</i> Haukisalmi & Tenora, 1993 - (<i>Catenotaenia pusilla</i>)			
Cricetidae			
<i>C. pusilla</i> (Goeze, 1782) - (<i>Catenotaenia pusillum</i>)		Hörning 1963	BA, FR, VD, VS/1961-3
Cricetidae			
<i>Myodes glareolus</i>			
Muridae			
<i>Apodemus sylvaticus</i>		Baer 1928, Vaucher & Hunkeler 1967	BA, FR, VD, VS/1961-3
Muridae			
<i>Mus musculus</i>		Hörning 1963	NE, VS/1961-3, 1966
Muridae			
<i>Rattus rattus</i>		Baer 1928	NE, VS, VD
<i>Spasskijela</i> Tenora, 1959, 1946		Gaschen 1950	VD
<i>S. kratichvili</i> (Baer, 1925) - (<i>Catenotaenia lobata</i> , <i>Skryabinotaenia lobata</i>)			
Cricetidae			
<i>Microtus arvalis</i>		Hörning 1963	VD/1961-3
Cricetidae			
<i>Myodes glareolus</i>		Hörning 1963, Wahl 1967	GE, VS/1961-4
Muridae		Wahl 1967	GE, VD/1962-4, 1966
<i>Apodemus flavicollis</i>		Vaucher & Hunkeler 1967, Wahl 1967	BE, GE, NE, VD/1962-4, 1966, 1972
Muridae			
<i>Apodemus sylvaticus</i>			
Davainidae Braun, 1900			
<i>Davainea</i> Blanchard, 1891			
<i>D. andrei</i> Fuhrmann, 1933 - (<i>Raillietina andrei</i>)			
Phasianidae			
<i>Pardix perdix</i> [2]		Fuhrmann 1919	GE/1933
<i>D. proglottina</i> * (Davaine, 1860) - (<i>Raillietina proglottina</i>)			
Phasianidae			
<i>Gallus gallus</i> °		Fuhrmann 1919	BA, VS
<i>D. tetraoensis</i> * Fuhrmann, 1919			
Phasianidae			
<i>Tetrao urogallus</i> °		Fuhrmann 1919	FR, VD/1915
<i>Fernandezia</i> Lopez-Neyra, 1936			
<i>F. spinosissima</i> (von Linstow, 1894) - (<i>Raillietina spinosissima</i>)		Galli-Valerio 1940, Gigon & Beuret 1991	JU, NE, VD, VS/1969, 1896
Turdidae			
<i>Turdus merula</i>			
<i>Idiogenes</i> Krabbe, 1868			
<i>I. flagellum</i> * (Goeze, 1782) - (<i>Idiogenes mastigophora</i>)			
Accipitridae			
<i>Milvus migrans</i> °		Fuhrmann 1926	BA
<i>Paronietta</i> Fuhrmann, 1920			
<i>P. urogalli</i> * (Modeer, 1790) - [<i>Davainea urogalli</i> , <i>Raillietina (P.) urogalli</i>]		Fuhrmann 1919	BA
Phasianidae			
<i>Lyrurus tetrix</i> °		Fuhrmann 1919	BA
<i>Tetrao urogallus</i> °			
<i>Raillietina</i> Fuhrmann, 1920			
Phasianidae			
<i>R. anatina</i> * Fuhrmann, 1909) - (<i>Davainea anatina</i> , <i>Raillietina crassula</i>)		Fuhrmann 1926	BA
Anatidae			
<i>Anas platyrhynchos</i> °			
<i>R. echinochothrida</i> * (Megnin, 1880) - (<i>Davainea bothrioplitis</i>)		Fuhrmann 1926	BA
Phasianidae			
<i>Gallus gallus</i> °		Fuhrmann 1926	VD
<i>R. frontina</i> (Dujardin, 1845) - [<i>Raillietina (R.) frontina</i>]			
Picidae			
<i>Picus viridis</i>		Baer 1932	GE
<i>R. tetragona</i> * (Molin, 1858) - [<i>Davainea tetragona</i> , <i>Raillietina (R.) tetragona</i>]			
Phasianidae			
<i>Gallus gallus</i> °		Galli-Valerio 1901, 1924	BA, VD, ZH
<i>Skryabinia</i> Fuhrmann, 1920			
<i>S. bonini</i> * (Megnin, 1899) - [<i>Davainea columbae</i> , <i>Raillietina (S.) bonini</i> , <i>Raillietina columbae</i>] [3]			
Columbidae			
<i>Columba livia</i>			
Columbidae			
<i>Columba palumbus</i> °		Fuhrmann 1926	NE/1936
<i>S. cestitillus</i> (Molin, 1858) - [<i>Raillietina (S.) cestitillus</i>]			SG/1999
Phasianidae			
<i>Gallus gallus</i>			BA
Dilepididae Fuhrmann, 1907			
<i>Anomataenia</i> Cohn, 1900			
<i>A. brevis</i> (Clerc, 1902)			
Picidae			
<i>Dendrocopos major</i>			NE/1974

<i>A. cyathiformis</i> * (Froehlich, 1771)	<i>Apus apus</i> ^o	Hörning 1963	GE, NE, VD, VS/1961-3
Apodidae			
<i>A. delaiscens</i> * (Krabbe, 1879)	<i>Cinclus cinclus</i> ^o	Fuhrmann 1926, Hörning 1963	AG, NE, SG, TI/1910, 1961-3
Cinclidae			
<i>A. microphallos</i> * (Krabbe, 1869)	<i>Vanellus vanellus</i> ^o	Kreis 1962	NE/1915
Charadriidae			
<i>A. microrhyncha</i> (Krabbe, 1869)	<i>Calidris pugnax</i>		NE
Scolopacidae			
<i>A. nymphaea</i> * (Schränk, 1790)	<i>Numenius arquata</i> ^o	Fuhrmann 1926	VD
Scolopacidae			
<i>A. stentorea</i> (Froehlich, 1802)	<i>Vanellus vanellus</i>		VD
Charadriidae			
<i>Burhinotaenia</i> Spasskii & Spasskaya, 1965			
<i>B. coronata</i> * (Creplin, 1829) - (<i>Choanotaenia coronata</i> , <i>Paricterotaenia coronata</i>)	<i>Gallus gallus</i> ^o	Fuhrmann 1926, Gaschen 1950	VD, ZH
<i>Choanotaenia</i> Railliet, 1896	<i>Phasianus colchicus</i>	Gaschen 1950	VD
<i>C. infundibulum</i> * (Bloch, 1779)			
Phasianidae			
<i>C. ortoli</i> Joyeux & Baer, 1955	<i>Oriolus oriolus</i>	Joyeux & Baer 1955	NE/1944
Phasianidae			
<i>C. passerina</i> (Fuhrmann, 1907)	<i>Passer domesticus</i>		NE/1965
Passeridae			
<i>Dictymetra</i> Clark, 1952			
<i>Dictymetra</i> sp.	<i>Dendrocopos major</i>		GE/2006
Picidae			
<i>Dilepis</i> Weinland, 1858			
<i>D. cypselina</i> Neslobinsky, 1911	<i>Apus apus</i>		GE
Apodidae			
<i>D. undulata</i> * (Schränk, 1788) - (<i>Dilepis angulata</i> , <i>Dilepis undulata</i> , <i>Taenia undulata</i>)	<i>Alauda arvensis</i>		NE/1970
Alaudidae			
	<i>Corvus corone</i>	Galli-Valerio 1940	BA, FR, VD
Corvidae			NE/1972
	<i>Corvus frugileus</i> ^o		VD
Corvidae			
	<i>Pica pica</i>	Galli-Valerio 1940	VD
Corvidae			
	<i>Pyrrhocorax graculus</i>	Galli-Valerio 1940	BE/1966
Muridae			
	<i>Apodemus sylvaticus</i>	Vaucher & Hunkeler 1967	BE, NE, VD/1966, 1969
Sciuridae			
	<i>Crocodyra russula</i>	Vaucher & Hunkeler 1967	BE, GR, JU, VD, VS/1965, 1966, 1971, 1984
Sciuridae			VD
	<i>Sorex araneus</i>	Galli-Valerio 1940	
Sturidae			
	<i>Sturnus vulgaris</i>	Galli-Valerio 1940	GE, JU, NE, VD, VS/1912, 1960-9, 1973-4, 1985-7
Turdidae			JU, NE/1965, 1986
	<i>Turdus merula</i> ^o	Gigon & Beuret 1991	NE/1986
Turdidae			
	<i>Turdus philomelos</i>		GE, VD
Turdidae			
	<i>Turdus pilaris</i>	Galli-Valerio 1940	
Turdidae			
	<i>Turdus viscivorus</i>		
Turdidae			
<i>Emberizotaenia</i> Spasskaya, 1970 - (<i>Uncinaria raymondii</i>)	<i>Turdus philomelos</i>	Gigon & Beuret 1991	
Turdidae			
<i>E. raymondii</i> (Gigon & Beuret, 1991)			
Hepatocestus Bona, 1994	<i>Hepatoaenia hepatica</i>	Baer 1932, Vaucher & Hunkeler 1967	VD, VS/1966
Hepatocestidae			
<i>H. hepaticus</i> (Baer, 1932) - (<i>Choanotaenia hepatica</i>)	<i>Sorex araneus</i>		
Sorticidae			
<i>Liga</i> Weinland, 1857			
<i>Liga</i> sp.	<i>Dendrocopos major</i>		GE/2006
Picidae			
<i>L. gallinulae</i> (van Beneden, 1858)	<i>Gallinula chloropus</i>	Hörning 1963	VD/1961-3
Rallidae			
<i>Molluscoaenia</i> Spasskii & Andreiko, 1971			
<i>M. crassicolex</i> (von Linstow, 1890) - (<i>Choanotaenia crassicolex</i> , <i>Monophylidum scutigerrum</i>)	<i>Arion</i> sp.		NE/1979
Arionidae			

Soricidae	<i>Neomys fodiens</i>	Vaucher & Hunkeler 1967	VD/1966
Soricidae	<i>Sorex alpinus</i>		GR, VS, VD/1966, 1971, 1972
Soricidae	<i>Sorex araneus</i>	Baer 1932, Vaucher & Hunkeler 1967, Wahl 1967	CH/1931, 1964-1974, 1984, 1994, 1996
Soricidae	<i>Sorex minimus</i>	Vaucher & Hunkeler 1967, Vaucher 1971	VD, VS/1984
<i>Monopylidium</i> Fuhrmann, 1899			
<i>M. albani</i> (Mettrick, 1958) - (<i>Polycercus albani</i>)			
Sturmiidae	<i>Sturmus vulgaris</i>	Gigon & Beuret 1991, Komisarovas <i>et al.</i> 2007	JU/1986
<i>M. crateriformis</i> * (Goeze, 1782) - (<i>Choanotaenia crateriformis</i>)			
Picidae	<i>Dendrocopos major</i> ^o	Fuhrmann 1926	BA, FR, NE/1954
Picidae	<i>Jynx torquilla</i>	Galli-Valerio 1940	GE, NE
Picidae	<i>Picus viridis</i> ^o	Fuhrmann 1926	NE/1944
Orioliidae	<i>Oriolus oriolus</i>		
<i>M. musculosus</i> * (Fuhrmann, 1896) - (<i>Monopylidium musculosum</i>)			
Passeridae	<i>Passer domesticus</i>	Fuhrmann 1926	BA/1947
Sturmiidae	<i>Sturmus vulgaris</i> ^o	Gigon 1988	BA, JU/1986
Sylviidae	<i>Sylvia borin</i>		JU/1986
<i>Multitesticulata</i> Meggitt, 1927			
<i>M. filamentosa</i> * (Goeze, 1782) - (<i>Choanotaenia filamentosa</i> , <i>Monopylidium filamentosum</i> , <i>Taenia blanchardi</i>) [4]		Baer 1932, Hörning 1963, Vaucher & Hunkeler 1967	BE, GE, GR, JU, NE, VD, VS/1961-7, 1971, 1976
Talpidae	<i>Talpa europaea</i> ^o		
<i>Neoliga</i> Singh, 1952			
<i>N. depressa</i> * (von Siebold, 1836) - (<i>Anomotaenia depressa</i>)			
Apodidae	<i>Apus apus</i> ^o		
Apodidae	<i>Tachymarpis melba</i>		
<i>Parietotaenia</i> Fuhrmann, 1932			
<i>P. parva</i> (Rudolphi, 1802)			
Paridae	<i>Parus major</i>	Hörning 1963	NE, VD/1961-3, 1984
<i>P. megarantha</i> (Rudolphi, 1810) - (<i>Choanotaenia megarantha</i>)			
Caprimulgidae	<i>Caprimulgus europaeus</i>	Galli-Valerio 1940	VS
<i>P. porosa</i> * (Rudolphi, 1810) - (<i>Choanotaenia porosa</i> , <i>Icterotaenia porosa</i>)			
Laridae	<i>Chroicocephalus ridibundus</i> ^o	Hörning 1963	BE, FR, GE, NE, VD, VS/1961-3, 1984
<i>Platycolex</i> Spasskaya, 1962			
<i>P. ciliata</i> (Fuhrmann, 1913) - (<i>Anomotaenia ciliata</i> , <i>Uncinia ciliata</i>)			
Anatidae	<i>Anas platyrhynchos</i>	Szelenbaum-Cielecka <i>et al.</i> 1988	N/1981-5
<i>Pseudoangularia</i> Burt, 1938			
<i>Pseudoangularia</i> . sp.			
Apodidae	<i>Apus apus</i>		
<i>Sacciterina</i> Matevosyan, 1963			
<i>S. paradoxa</i> * (Rudolphi, 1802) - (<i>Icterotaenia paradoxa</i>)			
Charadriidae	<i>Vanellus vanellus</i> ^o	Fuhrmann 1926	NE
Scolopacidae	<i>Scolopax rusticicola</i> ^o	Fuhrmann 1926	NE
<i>Sobolevitaenia</i> Spasskaya & Makarenko, 1965			
<i>S. spinoscapitae</i> (Joyeux & Baer, 1955) - (<i>Choanotaenia spinoscapitae</i>)			
Sturmiidae	<i>Sturmus vulgaris</i>		
Turdidae	<i>Turdus merula</i>	Beuret 1988	JU, NE/1959, 1986
Turdidae	<i>Turdus philomelos</i>		JU/1985
<i>S. verulamii</i> (Mettrick, 1958) - (<i>Spiniglanis constricta</i> , <i>Anomotaenia constricta</i>)			NE/1965
Glomeridae	<i>Glomeris</i> sp.		
Turdidae	<i>Turdus merula</i>		NE
<i>Spasspasskaya</i> Bona, 1994			NE/1973
<i>S. passerum</i> (Joyeux & Timon-David, 1934) - (<i>Anomotaenia passerum</i>)			
Turdidae	<i>Turdus merula</i>		NE/1966, 1974
Turdidae	<i>Turdus sp.</i>		GE/1959
<i>Spiniglanis</i> Yamaguti, 1959			
<i>S. affinis</i> (Krabbe, 1869) - (<i>Spiniglanis constricta</i>)			
Corvidae	<i>Corvus frugileus</i>		
<i>S. constricta</i> * (Molin, 1858) - (<i>Anomotaenia constricta</i>)			

Corvidae	<i>Corvus corone</i> ^o	Fuhrmann 1926	BA
Corvidae	<i>Corvus frugileus</i> ^o	Fuhrmann 1926, Beuret 1988	BA, JU
Turdidae	<i>Turdus merula</i>	Guenat 1964	BE
Turdidae	<i>Turdus philomelos</i>		BA
Dioecestidae Southwell, 1930			
<i>Dioecestus</i> Fuhrmann, 1900			
<i>D. asper</i> * (Mehlis, 1831) - (<i>Dioecestus aspera</i>)			
Podicipedidae	<i>Podiceps auritus</i>	Fuhrmann 1926	NE
Podicipedidae	<i>Tachybaptus ruficollis</i> ^o		N
Dipylidiidae Railliet, 1896			
<i>Dipylidium</i> Leuckart, 1863			
<i>D. caninum</i> * (Linnaeus, 1758)			
Canidae	<i>Canis familiaris</i> ^o	Galli-Valerio 1939	NE, VD, BA, VS/1975
Canidae	<i>Vulpes vulpes</i>	Hörning 1963	NE/1961-3
Felidae	<i>Felis silvestris</i> ^o	Galli-Valerio 1901, 1921, 1939	BA, GE, NE, VD, VS/1925, 974, 1990
Hominidae	<i>Homo sapiens</i> ^o	Fuhrmann 1926	BA, ZH
Gryporhynchidae Spasskii & Spasskaja, 1973			
<i>Paradilepis</i> Hsü, 1935			
<i>P. scolecina</i> * (Rudolphi, 1819) - (<i>Dilepis scolecina</i>)			
Phalaecoracidae	<i>Phalacrocorax carbo</i> ^o		GE, NE
Hymenolepididae Perrier, 1897			
<i>Anatinella</i> Spasskii & Spasskaja, 1954			
<i>A. kazachstanica</i> (Maksimova, 1963) - (<i>Monosacchantes kazachstanica</i>)			
Anatidae	<i>Cygnus olor</i>		NE/1981
<i>Aploparaksis</i> Clerc, 1903 - (Haploparaxis)			
<i>A. citrosa</i> * (Krabbe, 1869) - (<i>Drepanidotaenia citrosa</i>)			N
Laridae	<i>Chroicocephalus ridibundus</i> ^o		
<i>A. crassirostris</i> (Krabbe, 1869)			
Scolopacidae	<i>Scolopax rusticola</i>		
<i>A. filum</i> * (Goeze, 1782) - (<i>Haploparaxis filum</i> , <i>Taenia filum</i>)			
Scolopacidae	<i>Gallinago gallinago</i>		
Scolopacidae	<i>Scolopax rusticola</i>		
Scolopacidae	<i>Tringa totanus</i> ^o	Galli-Valerio 1901	NE, N BA, NE VD
<i>A. furcigera</i> * (Nitsch in Rudolphi, 1819) - (<i>Hymenolepis furcigera</i>)			
Anatidae	<i>Anas platyrhynchos</i>		N/1981-5
Anatidae	<i>Aythya fuligula</i> ^o		NE
Podicipedidae	<i>Podiceps cristatus</i>	Szelenbaum-Cielecka <i>et al.</i> 1988	1919
Armadolepis Spasskii, 1954			
<i>A. (Armadolepis) jeanbaeri</i> Makarikov, 2017 - (<i>Hymenolepis myoxi</i> , <i>Rodentolepis myoxi</i>)		Baer 1932, Makarikov 2017, Makarikov & Georgiev 2020	GR, VS [5]/1931, 1971-2
Gliridae	<i>Eliomys quercinus</i>	Faivre & Vaucher 1978, Makarikov & Georgiev 2020	JU/1976
Gliridae	<i>Glis glis</i>		
Arostrilepis Mas-Coma & Tenora, 1997			
<i>A. horrida</i> (von Linstow, 1901) - (<i>Hymenolepis horrida</i>)			
Cricetidae	<i>Arvicola amphibius</i>	Baer 1932, Hörning 1963	FR, GE, JU, VD, VS, ZH/1961-3, 1976, 1994-6
Cricetidae	<i>Microtus (Pitymys) sp.</i>		GR/1971
<i>A. janickii</i> Makarikov & Kontrimavichus, 2011 - (<i>Arostrilepis horrida</i>)			
Cricetidae	<i>Arvicola amphibius</i>	Makarikov & Kontrimavichus 2011	JU, VD, GE/1976, 1994
Cladogynia Baer 1938			
<i>C. guberiana</i> (Czaplinski, 1965) - (<i>Retinometra guberiana</i>)			
Anatidae	<i>Cygnus olor</i>	Szelenbaum-Cielecka <i>et al.</i> 1988	NE/1981, 1985
<i>C. macracanthos</i> * (von Linstow, 1877) - (<i>Hymenolepis macracanthos</i>)			
Anatidae	<i>Mergus merganser</i>		NE
Anatidae	<i>Mergus serrator</i> ^o		NE
<i>C. serrata</i> * (Fuhrmann, 1906) - (<i>Hymenolepis serrata</i>)			
Columbidae	<i>Columba palumbus</i>		VD/1961-3
Columbidae	<i>Columba livia</i> ^o	Hörning 1963	GE

<i>Cloacotaenia</i> Wolfhügel, 1938			
<i>C. megalops</i> * (Nitzsch in Creplin, 1829) - (<i>Hymenolepis megalops</i>)			N/1981-5
<i>Anas platyrhynchos</i>			GE
<i>Tadorna tadorna</i> ^o	Fuhrmann 1926		
<i>Confluaria</i> Blasov in Spasskaya, 1966			
<i>C. fureifera</i> * (Krabbe, 1869) - (<i>Hymenolepis fureifera</i>)			N
Podicipedidae	Fuhrmann 1926		L
Podicipedidae	Fuhrmann 1926		M
Podicipedidae	Fuhrmann 1926		BA
<i>C. multistriata</i> * (Rudolphi, 1810) - (<i>Hymenolepis multistriata</i> , <i>Taenia multistriata</i>)			GE, NE/1947, 1969
Podicipedidae			
<i>Tachybaptus ruficollis</i> ^o			
<i>C. pseudofureifera</i> Vasileva, Georgiev & Genov, 2000 - (<i>Confluaria fureifera</i> , <i>Hymenolepis podicipedina</i>)			
Podicipedidae	Vasileva <i>et al.</i> 2000		
<i>Coronacanthus</i> Spasskii, 1954			
<i>C. integrus</i> * (Hamann, 1891) - (<i>Hymenolepis integra</i> , <i>H. polyacantha</i>)			
Gammaridae	L Fuhrmann 1926, Vaucher & Hunkeler 1967		VD, NE/1966
Soricidae	Vaucher 1971		VD
Soricidae	Baer 1931, 1932, Wahl 1967, Vaucher 1971		GE, NE, VD/1964, 1968, 1973
<i>C. omisus</i> (Baer & Joyeux, 1943) - (<i>Hymenolepis omisus</i>)			
Gammaridae	L Baer & Joyeux 1943		GE, NE/1968
Soricidae	Vaucher 1971		VD
Soricidae	Baer & Joyeux 1943		GE, NE/1931, 1943, 1968
<i>Cryptocotylepis</i> Skrjabin & Mathevossian, 1948			
<i>C. globosoides</i> (Soltys, 1954) - (<i>Hymenolepis fodientis</i> , <i>H. globosoides</i> , <i>Pseudobotrialepis globosoides</i>)			
Soricidae	Vaucher & Hunkeler 1967, Wahl 1967, Vaucher 1971		GE, NE, VS/1962, 1974, 1993
Soricidae			NE/1974
<i>Dicranotaenia</i> Railliet, 1892			
<i>D. coronata</i> * (Dujardin, 1845) - (<i>Hymenolepis coronata</i>)			
Anatidae			
Anatidae	Fuhrmann 1926		NE
Anatidae			BA
Anatidae			NE
Cyprididae	L Szelenbaum-Cielecka <i>et al.</i> 1988		M, N/1985
<i>Diorechis</i> Clerc, 1903			
<i>D. acuminata</i> * (Clerc, 1902)			
Anatidae			
Rallidae	Fuhrmann 1926		NE
<i>D. brevis</i> Rybicka, 1957			
Cyprididae	L Szelenbaum-Cielecka <i>et al.</i> 1988		M, N/1985
Rallidae	Szelenbaum-Cielecka <i>et al.</i> 1988		N/1981-5
<i>D. elisae</i> (Skrjabin, 1914)			
Anatidae	Szelenbaum-Cielecka <i>et al.</i> 1988		N/1981-5
<i>D. inflata</i> (Rudolphi, 1819) - (<i>Taenia inflata</i>)			
Cyprididae	L Szelenbaum-Cielecka <i>et al.</i> 1988		M, N/1985
Rallidae	Szelenbaum-Cielecka <i>et al.</i> 1988		GE, NE, N/1917, 1981-5
<i>D. ransomi</i> Schultz, 1940			
Candonidae	L Szelenbaum-Cielecka <i>et al.</i> 1988		M, N/1985
Cyprididae	L Szelenbaum-Cielecka <i>et al.</i> 1988		M, N/1985
Rallidae	Szelenbaum-Cielecka <i>et al.</i> 1988		N/1981-5
<i>Diploposthe</i> Jacobi, 1896			
<i>D. laevis</i> * (Bloch, 1782)			
Anatidae	Fuhrmann 1926		L
Anatidae			NE/1917
<i>Ditestolepis</i> Soltys, 1952			
<i>D. diaphana</i> (Cholodkovsky, 1906) - (<i>Hymenolepis diaphana</i>)			
Soricidae	Vaucher & Hunkeler 1967, Vaucher 1971		GR/1971
Soricidae	Vaucher & Hunkeler 1967, Vaucher 1971		BE, FR, GR, NE, TI, VD, VS/1959, 1964-74, 1996
Soricidae	Vaucher & Hunkeler 1967, Vaucher 1971		GR, NE, VS/1960, 1966, 1971

<i>H. microps</i> * (Dresing, 1850) - (<i>Hymenolepis tetraonis</i>) Phasianidae <i>Tetrao urogallus</i> ^o	Hörning 1963	VD/1961-3
<i>H. murissylvatici</i> (Rudolphi, 1819) - (<i>Hymenolepis muris-sylvatici</i> , <i>Rodentolepis fraternna</i> , <i>Rodentolepis muris-sylvatici</i>) Muridae <i>Apodemus flavicollis</i>	Vaucher & Hunkeler 1967	BE, NE, VD/1965-6, 1968 BE, GE, NE, VD/1930, 1965-6, 2001
<i>H. procer</i> Janicki, 1904 (<i>sp. inquirenda</i>) Muridae <i>Apodemus sylvaticus</i>	Baer 1931, 1932, Vaucher & Hunkeler 1967	
<i>H. simulans</i> Joyeux & Baer, 1941 Cricetidae <i>Arvicola amphibius</i>	Gaschen 1950	VD
<i>Hymenolepis</i> sp. [9] Gaviidae <i>Gavia arctica</i>	Joyeux & Baer 1941	NE
Canidae <i>Vulpes vulpes</i>		NE/1948
Scolopacidae <i>H. sphaerophora</i> * (Rudolphi, 1810) - (<i>Taenia sphaerophora</i>) <i>Numenius arquata</i> ^o	Galli-Valerio 1901	VD
Gliridae <i>H. sulcata</i> (von Linstow, 1879)		JU/1976
Anatidae <i>H. teresoides</i> * Fuhrmann, 1906		GE, L
Anatidae <i>H. tichodroma</i> * Fuhrmann, 1908		BA
Sittidae <i>H. uliginosa</i> (Krabbe, 1882)	Fuhrmann 1926	FR
Scolopacidae <i>Numenius arquata</i>		
<i>Lineolepis</i> Spasskii, 1959		
<i>L. scutigera</i> (Dujardin, 1845) - (<i>Hymenolepis scutigera</i> , <i>Hymenolepis toxometra</i> , <i>Staphylocystis toxometra</i>) Cricetidae <i>Myodes glareolus</i> [10]	Baer 1928	GR/1971
Soricidae <i>Crocodyura russula</i>	Baer 1928, 1932, Vaucher & Hunkeler 1967	GE, VS
Soricidae <i>Sorex araneus</i>		CH/1931, 1965-1974, 1984
Soricidae <i>Sorex minutus</i>		GR/1971
<i>Microsomacanthus</i> Lopez-Neyra, 1942		
<i>M. abortiva</i> (von Linstow, 1904) - (<i>Hymenolepis abortiva</i>) Anatidae <i>Anas platyrhynchos</i> ^o		NE/1926
<i>M. arcuata</i> * (Kowalewski, 1904) [11] - (<i>Hispaniolepis arcuata</i> , <i>Hispaniolepis villosoides</i> , <i>Hymenolepis arcuata</i> , <i>Hymenolepis villosoides</i>) Anatidae <i>Aythya fuligula</i> ^o	Fuhrmann 1926	NE, L
Anatidae <i>Aythya marila</i> ^o	Fuhrmann 1926	NE
Anatidae <i>Aythya</i> sp.		GE
<i>M. collaris</i> * (Batsch, 1786) - (<i>Hymenolepis collaris</i>) Anatidae <i>Anas platyrhynchos</i>		NE
Anatidae <i>Aythya fuligula</i> ^o		N
Anatidae <i>Aythya fuligula</i> ^o		NE
Anatidae <i>Netta rufina</i>		NE
Anatidae <i>Anas platyrhynchos compressa</i>	Fuhrmann 1926	N/1981-5
Anatidae <i>Aythya fuligula</i> ^o	Szelenbaum-Cielecka <i>et al.</i> 1988	GE, N
Anatidae <i>Aythya</i> sp.	Fuhrmann 1926	NE
Cylopidae <i>Eucyclops serratulus</i>	L	M, N/1985
Cylopidae <i>Macrocylops abidus</i>	L	M, N/1985
<i>M. microcephalus</i> * (Rudolphi, 1819) - (<i>Hymenolepis microcephala</i> , <i>Taenia multififormis</i>) Ciconiidae <i>Ciconia ciconia</i> ^o	Fuhrmann 1926	BA
<i>M. microsoma</i> (Creplin, 1829) - (<i>Hymenolepis microsoma</i>) Anatidae <i>Somateria mollissima</i>		GE/1914
Anatidae <i>Anas platyrhynchos</i>	Szelenbaum-Cielecka <i>et al.</i> 1988	N/1981-5
Anatidae <i>M. parvula</i> (Kowalewski, 1904)	Szelenbaum-Cielecka <i>et al.</i> 1988	N/1981-5
Anatidae <i>M. pseudorostellatus</i> (Joyeux & Baer, 1950) - (<i>Hymenolepis pseudorostellata</i>) Gaviidae <i>Gavia immer</i>	Joyeux & Baer 1950	N
Anatidae <i>M. setigera</i> (Froelich, 1789) - (<i>Hymenolepis setigera</i>)	Hörning 1963	VD/1961-3
Anatidae <i>Anser fabalis</i> [12]	Fuhrmann 1926	NE, N
Anatidae <i>Aythya fuligula</i> ^o	Fuhrmann 1926	BA
Anatidae <i>Aythya marila</i> ^o		

<i>M. spirallibursata</i> (Czaplinski, 1956)	<i>Anas platyrhynchos</i>	Szelenbaum-Cielecka <i>et al.</i> 1988	N/1981-5
Anatidae	<i>Macrocyclops albidus</i>	Szelenbaum-Cielecka <i>et al.</i> 1988	M, N/1985
Cyclopidae			
<i>Milvina</i> van Beneden, 1873	<i>Myotis myotis</i>	Vaucher & Hunkeler 1967	NE/1966
Vespertilionidae			
<i>Monoreholepis</i> Oshmann, 1961	<i>Sturnus vulgaris</i> ^o	Fuhrmann 1926	BA
<i>M. diyardini</i> * (Krabbe, 1869) - (<i>Aploparkasis diyardini</i> , <i>Taenia diyardini</i>)	<i>Turdus merula</i>		NE/1968
Sturnidae			
Turdidae			
<i>Neomylepis</i> Tkach, 1998			VD, NE, VS/1931, 1968, 1973
Soricidae			
<i>N. magnirostellata</i> (Baer, 1931) - (<i>Hymenolepis magnirostellata</i> , <i>Staphylocystis magnirostellata</i>)	<i>Neomys fodiens</i>	Baer 1931, Vaucher & Hunkeler 1967	
<i>Neoskrjabinolepis</i> Spasskii, 1947			
<i>N. merkushevae</i> Kornienko & Binknen, 2008 - (<i>Hymenolepis schaldybini</i> , <i>Neoskrjabinolepis schaldybini</i>)	<i>Soxex alpinus</i>	Vaucher 1971	VD, VS/1966, 1972
Soricidae	<i>Soxex araneus</i>	Vaucher 1971	GR, NE, TI, VD, VS/1964-8, 1971, 1984, 1993
Soricidae	<i>Soxex minutus</i>	Vaucher 1971	GR, VD, VS/1966, 1968, 1971
<i>N. schaldybini</i> Spasskii, 1947 - (<i>Hymenolepis schaldybini</i> , <i>Neoskrjabinolepis singularis</i>)	<i>Soxex alpinus</i>	Vaucher 1971	
Soricidae	<i>Soxex araneus</i>	Vaucher 1971	
Soricidae	<i>Soxex minutus</i>	Vaucher 1971	
<i>N. singularis</i> (Cholodkovsky, 1912) - (<i>Hymenolepis singularis</i>)	<i>Myodes glareolus</i> [10]		CH/1930, 1959, 1964-1972-4, 1993, 1996
Cricetidae	<i>Soxex araneus</i>		GR, NE, VD/1960, 1965, 1968, 1971-2, 1984, 2001
Soricidae			
<i>Parabissacanthus</i> Maksimova, 1963			GR/1971
Anatidae	<i>Cygnus olor</i>	Baer 1932, Vaucher 1971	BE, GR, NE, VD, VS/1965-9, 1971-2
<i>P. bisaculina</i> (Szpotanska, 1931) - (<i>Hymenolepis bisaculina</i>)	<i>Cygnus olor</i>	Joyeux & Baer 1950	N
<i>P. kazachstanica</i> Maksimova, 1963 - (<i>Monosaccanthus kazachstanica</i>)	<i>Cygnus olor</i>	Szelenbaum-Cielecka <i>et al.</i> 1988	N/1981-5
Cyclopidae	<i>Acanthocyclops viridis</i>	Szelenbaum-Cielecka <i>et al.</i> 1988	M, N/1985
<i>P. philactes</i> (Schiller, 1951)			
Anatidae	<i>Cygnus olor</i>	Szelenbaum-Cielecka <i>et al.</i> 1988	NE, N/1981, 1985
Cyclopidae	<i>Eucyclops serratulus</i>	Szelenbaum-Cielecka <i>et al.</i> 1988	M, N/1985
<i>Pararodentolepis</i> Makarikov & Gulyaev, 2009			
<i>P. fraternus</i> * (Stiles, 1906) - (<i>Hymenolepis murina</i> , <i>Rodentolepis, fraterna</i>)	<i>Apodemus flavicollis</i>	Baer & Tenora 1970	NE, VS
Muridae	<i>Apodemus sylvaticus</i>		NE, VD
Muridae	<i>Mus musculus</i>	Galli-Valerio 1940	BE, VD, VS
Muridae	<i>Rattus rattus</i> ^o	L Baer 1928	
<i>Passerilepis</i> Spasskii & Spasskaya, 1954			
<i>P. brevis</i> (Fuhrmann, 1906) - (<i>Microsomalcanthus brevis</i>)	<i>Sylvia atricapilla</i>	Gigon & Beuret 1991	JU/1986
Sylviidae	<i>Sturnus vulgaris</i>		
<i>P. arenata</i> * (Goeze, 1782) - (<i>Hymenolepis serpentulus</i> , <i>Microsomalcanthus arenata</i> , <i>Taenia serpentulus</i>)	<i>Corvus corone</i> ^o	Galli-Valerio 1940, Hörmig 1963	BA, FR, NE, TG, VD, VS/1961-3
Corvidae	<i>Garrulus glandarius</i>	Galli-Valerio 1924, Hörmig 1963	NE, VD, VS/1961-3, 1972
Corvidae	<i>Nucifraga caryocatactes</i>	Galli-Valerio 1940, Hörmig 1963	GE, VD, VS/1961-3
Corvidae	<i>Pica pica</i>	Hörmig 1963	VD, VS/1961-3
Picidae	<i>Dendrocopos major</i>		GE, JU, NE/1973, 1986, 2001
Sturnidae	<i>Sturnus vulgaris</i>	Gigon 1988	JU, NE/1986-7
Turdidae	<i>Turdus merula</i>		BA, JU, NE/1966, 1985-6
Turdidae	<i>Turdus philomelos</i>		JU, NE/1965, 1986
Turdidae	<i>Turdus pilaris</i>		JU/1986
Turdidae	<i>Turdus viscivorus</i>		VD, VS
<i>P. passeris</i> * (Gmelin, 1790) - (<i>Hymenolepis fringillarum</i> , <i>Microsomalcanthus passeris</i>)			
Fringillidae	<i>Fringilla coelebs</i>		VS
Muscicapidae	<i>Phoenicurus ochruros</i>		NE/1987

Passeridae	<i>Passer domesticus</i> ^o	Galli-Valerio 1940	BA, GE, NE, VD/1970, 1985
Sylviidae	<i>Sylvia atricapilla</i>	Beuret 1988	JU, NE/1986-7
Sylviidae	<i>Sylvia borin</i>	Gigon 1988	JU/1986
<i>P. stylosa</i> * (Rudolphi, 1809) - (<i>Hymenolepis</i> <i>Microsomacanthus stylosa</i> , <i>Taenia stylosa</i>)			
Corvidae	<i>Corvus glandarius</i> ^o		
Corvidae	<i>Pica pica</i>		
<i>Pseudhymenolepis</i> Joyeux & Baer, 1935			
<i>P. redonica</i> Joyeux & Baer, 1935			
Sorticidae	<i>Crocidira russula</i>	Vaucher & Hunkeler 1967	GE, NE, VD/1964-6, 1968, 1983
<i>Rodentolepis</i> Spasskii, 1954 (s. lato)			
<i>R. asymmetrica</i> (Janicki, 1904) - (<i>Hymenolepis</i> <i>arvicola</i> , <i>Hymenolepis asymmetrica</i> , <i>Hymenolepis asymmetrica</i> , <i>Arostirilepis horrida</i>)			
Cricetidae	<i>Chionomys nivalis</i>	Baer 1932	TI, VD, VS/1968, 1994, 1997
Cricetidae	<i>Microtus agrestis</i>	Vaucher & Hunkeler 1967	NE, VD/1966-7, 1993-4
Cricetidae	<i>Microtus arvalis</i>	Baer 1932, Hörning 1963	VD, VS/1933, 1961-3, 1968, 1993
Cricetidae	<i>Microtus subterraneus</i>		TI, UR, VD, VS/1968, 1971, 1973, 1994
Cricetidae	<i>Myodes glareolus</i>	Baer & Tenora 1970	GE, GR, JU, NE/19765, 1967, 1971
Cricetidae	<i>Microtus (Pitymys)</i> sp.		GR, VD/1971, 1973
<i>R. erinacei</i> (Gmelin, 1790) - (<i>Hymenolepis</i> <i>erinacei</i>)			
Ermaceidae	<i>Ermaceus europaeus</i>	Hörning 1963	GE, VD/1961-3
<i>R. microstoma</i> (Dujardin, 1845) - (<i>Hymenolepis</i> <i>microstoma</i>)			
Carabidae	<i>Anchomenus dorsalis</i>	L	NE/1965 [13]
Leptopsyllidae	<i>Leptopsylla segnis</i>	L	NE
Muridae	<i>Apodemus</i> sp.		NE/1966
Muridae	<i>Apodemus flavicollis</i>	Vaucher & Hunkeler 1967, Wahl 1967	BE, GE, NE, VD/1962
Muridae	<i>Apodemus sylvaticus</i>	Vaucher & Hunkeler 1967, Wahl 1967	BE, GE, NE, VD/1962-4, 1966
Muridae	<i>Mus musculus</i>	Hörning 1963	VD/1961-3
<i>R. straminea</i> (Goeze, 1782) - (<i>Hymenolepis</i> <i>straminea</i>)			
Cricetidae	<i>Myodes glareolus</i>		VD/1966
Muridae	<i>Apodemus flavicollis</i>		JU, NE/1965-8
Muridae	<i>Apodemus sylvaticus</i>		NE, VD/1965, 1994, 2001
<i>Skirjabinacanthus</i> Spasskii & Morozov, 1959			
<i>S. jacutus</i> Spasskii & Morozov, 1958			
Sorticidae	<i>Sorex minutus</i>	Vaucher 1971	VS/1966
<i>Sobolevicanthus</i> Spasskii & Spasskaja, 1954			
<i>S. fragilis</i> (Krabbe, 1869) - (<i>Hymenolepis</i> <i>fragilis</i>)			
Anatidae	<i>Anas crecca</i>		
<i>S. gracilis</i> * (Zeder, 1803) - (<i>Hymenolepis</i> <i>gracilis</i>)			
Anatidae	<i>Anas platyrhynchos</i> ^o	Szelenbaum-Cielecka <i>et al.</i> 1988	BA, NE, M, N/1981-5
Anatidae	<i>Aythya fuligula</i> ^o	Fuhrmann 1926	NE, L, N
Candoniidae	<i>Candona</i> sp.	L	M, N/1985
Cycolopidae	<i>Paracyclops fimbriatus</i>	L	M, N/1985
Cyprididae	<i>Cypridopsis vidua</i>	L	M, N/1985
<i>S. gracilissimus</i> Czaplinski & Czaplinska, 1990			
Anatidae	<i>Anas platyrhynchos</i>		NE/1985
<i>S. krabbella</i> (Hughes, 1940)			
Anatidae	<i>Anas platyrhynchos</i>		N/1981-5
<i>Sorticinia</i> Spasskii & Spasskaja, 1954			
<i>S. globosa</i> (Baer, 1931) - (<i>Hymenolepis</i> <i>globosa</i>)			
Sorticidae	<i>Neomys fodiens</i>	Baer 1931	VS/1931, 1994
Sorticidae	<i>Neomys fodiens</i>		
Sorticidae	<i>Sorex alpinus</i>	Vaucher 1971	VD
Sorticidae	<i>Sorex araneus</i>	Vaucher & Hunkeler 1967, Vaucher 1971	GR, NE, TI, VD, VS/1965-6, 1968-74, 1996
Sorticidae	<i>Sorex minutus</i>	Vaucher 1971	VS/1966
<i>Staphylocystis</i> Spasskii & Oshmarin 1954			
<i>S. acuta</i> (Rudolphi, 1819) - (<i>Taenia obtusata</i>)			
Vespertilionidae	<i>Nyctalus noctula</i>	Galli-Valerio 1926	VD

<i>S. alpestris</i> Baer, 1931- (<i>Hymenolepis alpestris</i>)	Baer 1931	VS/1932
Soricidae		
<i>S. bacillaris</i> * (Goetze, 1882) - (<i>Hymenolepis bacillaris</i>)	Fuhrmann 1926, Gaschen 1950	FR, VD, VS
Talpidae		
<i>S. brusatae</i> (Vaucher, 1971)	Vaucher 1971	TI/1970, 1975
Soricidae		
<i>S. furcata</i> (Stieda, 1862) - (<i>Hymenolepis furcata</i>)	Wahl 1967	GE/1963
Soricidae		
<i>S. pispillium</i> * (Dujardin, 1845) - (<i>Hymenolepis pispillium</i>)	Baer 1932, Vaucher 1971 Vaucher & Hunkeler 1967, Vaucher 1971	CH/1931, 1965-72, 1984, 1993-4 NE, VD/1966
Soricidae		
<i>S. scalaris</i> (Dujardin, 1845) - (<i>Hymenolepis dodecacantha</i> , <i>H. scalaris</i> , <i>Taenia scalaris</i>)	Wahl 1967, Vaucher 1971 Galli Valerio 1924 Galli Valerio 1912, Wahl 1967	GE BE, GE, NE, VD, VS/1943, 1962, 1964-9 VD, VS GE, VD, VS/1912, 1963
Soricidae		
<i>S. tiara</i> (Dujardin, 1845) - (<i>Hymenolepis tiara</i>)	Vaucher & Hunkeler 1967, Vaucher 1971 Baer 1932 Wahl 1967	BE, GE, JU, NE, VD/1964-6, 1968-9 GE/1963
Soricidae		
<i>S. uncinata</i> (Stieda, 1862) - (<i>Hymenolepis uncinata</i>)	Vaucher & Hunkeler 1967 Vaucher & Hunkeler 1967	BE, NE, VD/1943, 1964, 1966-9 TI/1969
Soricidae		
<i>S. taxometra</i> Baer, 1932 - (<i>Hymenolepis taxometra</i>)	Baer 1928	TI/1965, 1970 VS
Soricidae		
<i>S. stieglanski</i> (Zarnowski, 1954) - (<i>Hymenolepis stieglanski</i>)	Baer 1932	VS/1931
Soricidae		
<i>Staphylocystoides</i> Yamaguti, 1952	Vaucher & Hunkeler 1967, Vaucher 1971	VS/1964 TI/1970
Soricidae		
<i>T. bifurca</i> (Hamann, 1891) - (<i>Hymenolepis bifurca</i>)	Vaucher & Hunkeler 1967, Vaucher 1971 Wahl 1967, Vaucher 1971	BE, GR, JU, NE, TI, VD, VS/1965-72 GE, GR, NE, VS/1960, 1963, 1971 1984
Soricidae		
<i>T. hamanni</i> (Mrázek, 1891) - (<i>Cysticercus hamanni</i> , <i>Hymenolepis hamanni</i> , <i>H. neomidis</i> , <i>Vampirolepis neomidis</i>)	Vaucher & Hunkeler 1967 Hörning 1963 Baer 1931, Baer & Joyeux 1943, Hörning 1963, Vaucher 1971	NE/1966 GE, NE/1968 VS/1961-3
Soricidae		
<i>T. tenuirostris</i> * (Rudolphi, 1819) - (<i>Anatinella tenuirostris</i> , <i>Hymenolepis tenuirostris</i> , <i>Taenia tenuirostris</i>)	Murai 1976	GE, NE, VS/1931, 1961-4, 1968
Anatidae		
<i>Urocystis</i> Villot, 1880	Fuhrmann 1926	BA
Cricetidae		
<i>U. proflifer</i> Villot, 1880 - (<i>Hymenolepis proflifer</i> , <i>Neoskrabynolepis singularis</i>)	Vaucher & Hunkeler 1967, Vaucher 1971 Vaucher & Hunkeler 1967, Vaucher 1971	GR/1971 GR, VD/1971-2 CH/1965-6, 1968-74, 1994 NE, VD, VS/1965-6, 1968
Soricidae		
<i>V. baeri</i> Murai, 1976		
Soricidae		
<i>V. balsaci</i> (Joyeux & Baer, 1934) - (<i>Hymenolepis balsaci</i>)	Aellen 1949, Vaucher & Hunkeler 1967	BE, VD/1967, 1986 BE, VD, VS/1950, 1959 VD, VS/1967
Vespertilionidae		
<i>Vespertilionidae</i>		

<i>Taenia</i> Linnaeus, 1758					
<i>T. angustata</i> Rudolphi, 1819 (<i>sp. inquirenda</i>)					
Mustelidae	<i>Meles meles</i>				
Canidae	<i>Canis familiaris</i>	Bouvier <i>et al.</i> 1951			VD/1949-50
Canidae	<i>Vulpes vulpes</i> ^o	Gaschen 1950			
		Baer 1925a, Hörning 1963			AG, BA, GE, NE, SG, VD, VS/1947, 1955, 1960-3, 1975-9
Cricetidae	<i>Arvicola amphibius</i>	L			
Cricetidae	<i>Microtus agrestis</i>	L			
Cricetidae	<i>Microtus arvalis</i> ^o	L			FR, SG, VD, VS, ZH/1968-9, 2007-8
Cricetidae	<i>Microtus subterraneus</i>	L			VD/1961-3
Cricetidae	<i>Microtus subtypicus</i>	L			BE, VD, VS/1961-4, 1993
Muridae	<i>Mus musculus</i>	L			VS
Muridae	<i>Rattus rattus</i>	L			VD
Muridae	<i>Rattus norvegicus</i>	L			VD
Sciuridae	<i>Marmota marmota</i>	L			OW, UR/1961-3
<i>T. intermediaria</i> * Rudolphi 1810 (<i>sp. inquirenda</i>)					
Mustelidae	<i>Martes foina</i> ^o	Fuhrmann 1926			VD
Mustelidae	<i>Martes martes</i>	Galli-Valerio 1940			VD
Mustelidae	<i>Mustela erminea</i>	Gaschen 1950			VD
<i>T. hydatigena</i> * Pallas, 1766 - (<i>Cysticercus tenuicollis</i> , <i>Cysticercus longicollis</i> , <i>Taenia marginata</i>)					
Bovidae	<i>Bos taurus</i> ^o	L			NE, VD, ZH
Bovidae	<i>Capra ibex</i>	L			GR, VD, VS/1961-3
Bovidae	<i>Ovis aries</i> ^o	L			VD, ZH
Bovidae	<i>Rupicapra rupicapra</i>	L			CH/1961-3, 1970-2
Canidae	<i>Canis familiaris</i> ^o	L			BE, NE, VD, ZH
Canidae	<i>Vulpes vulpes</i>	L			VD, VS/1961-3
Cervidae	<i>Capreolus capreolus</i>	L			BE, GR, OW, SG, VD, VS/1961-3
Cervidae	<i>Cervus elaphus</i>	L			GR/1961-3
Muridae	<i>Apodemus sylvaticus</i> ^o	L			VS
Suidae	<i>Sus scrofa</i> ^o	L			VD, ZH
<i>T. krabbei</i> Montez, 1879 - (<i>Cysticercus cervi</i> , <i>Taenia cervi</i>)					
Cervidae	<i>Capreolus capreolus</i>	L			SG/1961-3
<i>T. marriti</i> (Zeder, 1803)					
Cricetidae	<i>Myodes glareolus</i>	L			FR, GE, JU, NE, VD/1961-9, 1984, 1994, 1998
Homnidae	<i>Homo sapiens</i>	L			
Muridae	<i>Apodemus flavicollis</i>	L			FR, GE, NE/1962, 1966, 1969
Muridae	<i>Apodemus sylvaticus</i>	L			GE, NE/1962-4, 1966
Mustelidae	<i>Martes foina</i>	L			GE, VD, VS/1960-1, 1980-2, 1986
Mustelidae	<i>Meles meles</i>	L			VD/1972
<i>T. multiceps</i> * (Leske, 1780) - (<i>Coenurus cerebralis</i> , <i>Multiceps cerebralis</i> , <i>Multiceps multiceps</i> , <i>Taenia coenurus</i>)					
Bovidae	<i>Bos taurus</i> ^o	L			BE, GR, SG, ZH
Bovidae	<i>Ovis aries</i> ^o	L			BE, GE, ZH/1959
Canidae	<i>Canis familiaris</i> ^o	L			ZH
Canidae	<i>Vulpes vulpes</i>	L			VD/1961-3
Cervidae	<i>Capreolus capreolus</i>	L			VD, VS/1954, 1961-3
Leporidae	<i>Oryctolagus cuniculus</i>	L			VD
<i>T. pisiformis</i> * (Bloch, 1780) - (<i>Cysticercus pisiformis</i> , <i>Taenia serrata</i>)					
Canidae	<i>Canis familiaris</i> ^o	L			BE, GE, VD, ZH
Canidae	<i>Vulpes vulpes</i>	L			NE, SG, VD, VS/1961-3
Cricetidae	<i>Arvicola amphibius</i>	L			GE
Felidae	<i>Felis silvestris</i> ^o	L			GE
Leporidae	<i>Lepus europaeus</i> [18]	L			TI, VD/1961-3
Leporidae	<i>Oryctolagus cuniculus</i> ^o	L			BE, GE, NE, VD, VS
Muridae	<i>Rattus rattus</i> ^o	L			VD
<i>T. polyacantha</i> Leuckart, 1856 - (<i>Cysticercus taeniae-polyacanthae</i> , <i>Hoplothyridium</i>)					
Canidae	<i>Vulpes vulpes</i>	L			GE, JU, NE, VD, VS, ZH/1955, 1961-3, 1967, 1970
Cricetidae	<i>Microtus arvalis</i>	L			VD/1967, 1999

Cricetidae	<i>Microtus multiplex</i>	L	Baer 1932, Hörning 1963	VD/1973
Cricetidae	<i>Myodes glareolus</i>	L	Hörning 1963	GR, VS/1931, 1961-3, 1971
Muridae	<i>Apodemus sylvaticus</i>	L	Hörning 1963	VD, VS/1961-3
Muridae	<i>Mus musculus</i>	L	Hörning 1963	VD/1961-3
Sciuridae	<i>Sciurus vulgaris</i>	L	Hörning 1963	NE, VD, VS/1961-3
<i>T. saginata</i> * Goeze, 1782 - (<i>Cysticercus bovis</i> , <i>Taenia mediocanellata</i>)				
Bovidae	<i>Bos taurus</i> ^o	L	Fuhrmann 1926	BA, BE, VD ZH
Hominiidae	<i>Homo sapiens</i> ^o		Galli-Valerio 1901, 1921	CH/1924, 1929, 1931
<i>T. secunda</i> Olsson, 1893 (<i>sp. inquirenda</i> , <i>sp. incerta sedis</i>)				
Bovidae	<i>Rupicapra rupicapra</i>	L	Gaschen 1950	VS/1961-3
Mustelidae	<i>Meles meles</i>		Bouvier <i>et al.</i> 1953	BA, VD/1952
Canidae	<i>Canis familiaris</i>	L	Gaschen 1950	VD
Leporidae	<i>Oryctolagus cuniculus</i> ^o [19]		Galli-Valerio 1909, André 1917	GE, VD/1908
<i>T. solium</i> * Linnaeus, 1758 - (<i>Cysticercus cellulosae</i>)				
Hominiidae	<i>Homo sapiens</i> ^o [20]	L	Galli-Valerio 1901, Fuhrmann 1926	CH
Suidae	<i>Sus scrofa</i> ^o	L	Fuhrmann 1926	CH
<i>Taenia</i> sp.	<i>Lynx lynx</i>		Schmidt-Posthaus <i>et al.</i> 2002	
<i>Herteria</i> Nakao <i>et al.</i> , 2013				
<i>V. mustelae</i> (Gmelin, 1790) - (<i>Cysticercus hypudaei</i> , <i>Cysticercus tenuicollis</i> , <i>Taenia mustelae</i> , <i>Taenia tenuicollis</i>)				
Bovidae	<i>Capra ibex</i> [21]	L	Galli-Valerio 1939	VD
Bovidae	<i>Ovis aries</i> [21]	L		GE
Cricetidae	<i>Microtus arvalis</i>	L	Hörning 1963	GE, VD, VS/1961-3
Cricetidae	<i>Myodes glareolus</i>	L	Vaucher & Hunkeler 1967	GE, NE, VD/1961, 1966, 1998
Muridae	<i>Apodemus sylvaticus</i>	L	Galli-Valerio 1917	VS/1915
Mustelidae	<i>Mustela erminea</i>		Wahl 1967	BE, VD, VS/1956
Mustelidae	<i>Mustela nivalis</i>		Wahl 1967	GE
Mustelidae	<i>Mustela putorius</i>	L	Gaschen 1950	SH, VS/1960
Suidae	<i>Sus scrofa</i> [21]	L	Hörning 1963	VD/1961-3
Talpidae	<i>Talpa europaea</i>			
DIPHYLLOBOTHRIDEA				
Diphyllobothriidae Lühe, 1910				
<i>Diphyllobothrium</i> Cobbold, 1858				
<i>D. dendriticum</i> (Nitzsch, 1824)				
Hominiidae	<i>Homo sapiens</i>		Wicht <i>et al.</i> 2010	BE/2006
<i>D. latum</i> * (Linnaeus, 1758) - (<i>Bothriocephalus latus</i> , <i>Dibothriocephalus latus</i>)				
Canidae	<i>Canis familiaris</i> ^o		Galli-Valerio 1904, 1940	GE, VD
Canidae	<i>Vulpes vulpes</i> ^o		Bouvier <i>et al.</i> 1963, Radacovska <i>et al.</i> 2022	GR, NE/2017-2018
Cyclopidae	<i>Cyclops strenuus</i> ^o	L	Jamicki & Rosen 1917	NE
Cyclopidae	<i>Eucyclops serranulus</i>	L	Szelenbaum-Cielecka <i>et al.</i> 1988 [22]	M, N/1985
Diaptomidae	<i>Diaptomus gracilis</i> ^o	L	Jamicki & Rosen 1917	NE
Felidae	<i>Felis silvestris</i> ^o		Galli-Valerio 1902, Bouvier <i>et al.</i> 1963, Zottler <i>et al.</i> 2019	VD, ZH
Esocidae	<i>Esox lucius</i> ^o	L	Baer 1925b, Bouvier <i>et al.</i> 1963, Golley & Mariaux 1995, Radacovska <i>et al.</i> 2019	BA, GE, NE, VD, A, B, L, M, N, V/1923-4, 1932
Hominiidae	<i>Homo sapiens</i> ^o		Galli-Valerio 1901, Fuhrmann 1926, Bouvier <i>et al.</i> 1963, Wicht <i>et al.</i> 2010	CH/1962, 2002, 2004-8
Lotidae	<i>Lota lota</i> ^o	L	Galli-Valerio 1901, André 1917, Hörning 1963	NE, TI, VD, A, L, M, N, O/1961-3
Percidae	<i>Perca fluviatilis</i> ^o	L	Galli-Valerio 1901, Bouvier <i>et al.</i> 1963, Golley & Mariaux 1995, Wicht <i>et al.</i> 2009, Radacovska <i>et al.</i> 2019	BE, VD, A, B, L, M, N/1994-1995, 2017-2018
Salmonidae [23]	<i>Coregonus fera</i> ^o	L	Schor 1902, Zschokke 1933	L
Salmonidae [23]	<i>Salmo trutta</i> ^o	L	Baer 1925b, Bouvier <i>et al.</i> 1963, Králová-Hromadová <i>et al.</i> 2021	BA, NE, VS, N, O, T, V
Salmonidae [23]	<i>Salvelinus umbla</i> ^o	L	Galli-Valerio 1901, Bouvier <i>et al.</i> 1963	L
Salmonidae [23]	<i>Thymallus thymallus</i> ^o	L	Zschokke 1887, Bouvier <i>et al.</i> 1963	L, O
Ramidae	<i>Pelophylax lessonae</i>	L		NE

Diaptomidae	<i>Eudiaptomus vulgaris</i>	L	Pecorini 1959	A/1957-8
Diaptomidae	<i>Mixodiaptomus laciniatus</i>	L	Pecorini 1959	A/1957-8
Esocidae	<i>Esox lucius</i> ^o	L	Nufer 1905	L, V/1994
Leuciscidae	<i>Alburnus alburnus</i> ^o		Nufer 1905	O, V
Leuciscidae	<i>Squalius cephalus</i>		Nufer 1905	V
Percidae	<i>Perca fluviatilis</i> ^o		Nufer 1905	NE, L, O, V
Salmonidae	<i>Coregonus fera</i> ^o		Nufer 1905, André 1917, Zschokke 1933	L, O, V, GE/1909, 1995
Salmonidae	<i>Coregonus gutturosus</i>		Zschokke 1933	L, O, V
Salmonidae	<i>Coregonus hiemalis</i>		André 1917, Zschokke 1933	L
Salmonidae	<i>Coregonus lavaretus</i>		Pecorini 1959, Hanzelova <i>et al.</i> 1999	BE, GE, A, B, L/1957-8, 1990, 1994-7
Salmonidae	<i>Coregonus macrophthalmus</i> ^o		André 1917, Zschokke 1933, Nufer 1905	N, O, V
Salmonidae	<i>Coregonus wartmanni</i> ^o		Zschokke 1933, Nufer 1905	BE, O, V
Salmonidae	<i>Coregonus</i> sp.			NE, N
Salmonidae	<i>Oncorhynchus mykiss</i>			GR/1944
Salmonidae	<i>Salmo trutta</i> ^o		Lune 1879, Hanzelova & Scholz 1992	BA, NE, L/1909, 1985
Salmonidae	<i>Salvelinus umbla</i> ^o		Lune 1879, Zschokke 1884, Nufer 1905	L, V
Salmonidae	<i>Thymallus thymallus</i> ^o			BA, O
<i>P. macrophthalmus</i> * (Creplin, 1825) - (<i>Ichthyotaenia macrocephala</i>)			Nufer 1905	O, V
Anguillidae	<i>Anguilla anguilla</i> ^o			L, M/1994
<i>P. percae</i> * (Müller, 1780) - (<i>Ichthyotaenia longicollis</i> , I. ocellata, I. percae, <i>Proteocephalus percae</i> , <i>P. dubius</i> , <i>P. ocellatus</i> , <i>Taenia percae</i>) [29]			Zschokke 1884	BA
Esocidae	<i>Esox lucius</i>			BE, GE, VD, L, O/1986, 1994
Gasterosteidae	<i>Gasterosteus aculeatus</i>		Zschokke 1884	CH/<1911, 1961-3, 1986, 1990, 1994-6, 2007-9
Lotidae	<i>Lota lota</i> ^o		Zschokke 1884	L, N, O, V
Percidae	<i>Perca fluviatilis</i> ^o		Zschokke 1884, Hörmig 1963, Hanzelova <i>et al.</i> 1999	L
Salmonidae	<i>Coregonus fera</i> ^o		Zschokke 1933	N, V
Salmonidae	<i>Coregonus hiemalis</i> ^o		Sublet 1987	NE/1916
Salmonidae	<i>Coregonus lavaretus</i>		Nufer 1905, Zschokke 1933	NE
Salmonidae	<i>Coregonus macrophthalmus</i>			O, V
Salmonidae	<i>Coregonus oxyrinchus</i>		Nufer 1905, Zschokke 1933	VD/1986-7
Salmonidae	<i>Coregonus palaea</i>			V
Salmonidae	<i>Coregonus wartmanni</i> ^o		Nufer 1905	V
Salmonidae	<i>Salmo trutta</i>			O
Salmonidae	<i>Salvelinus umbla</i>			GE, NE, VD, L, O, V/1961-3, 1995
<i>P. torulosus</i> * (Batsch, 1786) [30] - (<i>Ichthyotaenia torulosus</i> , <i>Ichthyotaenia torulosa</i>)			Nufer 1905	V
Gobiionidae	<i>Gobio gobio</i> ^o		Fuhrmann 1926	O
Leuciscidae	<i>Abramis brama</i> ^o		Nufer 1905, Hörmig 1963	BA, O, N, V
Leuciscidae	<i>Alburnus alburnus</i> ^o		Nufer 1905	O
Leuciscidae	<i>Blicca bjoerkna</i> ^o		Nufer 1905	O, V
Leuciscidae	<i>Leuciscus leuciscus</i> ^o		Zandt 1924	V
Lotidae	<i>Lota lota</i> ^o		Nufer 1905, Zandt 1924	O
Percidae	<i>Perca fluviatilis</i> ^o		Nufer 1905, Zschokke 1933	O, V
Salmonidae	<i>Coregonus fera</i> ^o		Nufer 1905	L, V
Salmonidae	<i>Coregonus macrophthalmus</i> ^o		Nufer 1905	V
Salmonidae	<i>Coregonus wartmanni</i> ^o		Zandt 1924	O
Salmonidae	<i>Salvelinus umbla</i> ^o		Nufer 1905	V
SPATHEBOTHRIIDEA				
Acrobothridae Olsson, 1872				
Cyathocephalidae Kessler, 1868				
<i>C. truncatus</i> * (Pallas, 1781)				
Cottidae	<i>Cottus gobio</i>		Gaschen 1950	GE
Esocidae	<i>Esox lucius</i>			VD
Gammaridae	<i>Gammarus pulex</i> ^o	L	Gaschen 1950	NE/1917
Leuciscidae	<i>Rutilus rutilus</i>		Zschokke 1884, Nufer 1905, Hörmig 1963	L
Lotidae	<i>Lota lota</i> ^o		Nufer 1905	GE, NE, TI, O, L, V/1917, 1961-3, 1986
Percidae	<i>Perca fluviatilis</i> ^o		Mariaux 1986	BA, O, V
Phoxinidae	<i>Phoxinus phoxinus</i>		Zschokke 1884, 1933	NE/1983-4
Salmonidae	<i>Coregonus fera</i> ^o			NE, L, O/1917

Salmonidae	<i>Coregonus gutturosus</i>	Zschokke 1933	O
Salmonidae	<i>Coregonus macrophthalmus</i>	Zschokke 1933	N
Salmonidae	<i>Oncorhynchus mykiss</i> ^o	Fuhrmann 1926, Hörmig 1963	GE, VD/1961-3
Salmonidae	<i>Salmo trutta</i> ^o	Mariaux 1986	BA, NE, B/1983, 1985
Salmonidae	<i>Salvelinus umbla</i> ^o	Zschokke 1884	L, V
Thymallidae	<i>Thymallus thymallus</i>	Mariaux 1986	NE/1983
TETRABOTHRIDEA			
Tetrabottridae Baer, 1954			
<i>Tetrabottrius</i> Rudolphi, 1819			
	<i>T. (Culmenamniculus) cylindraceus</i> * (Rudolphi, 1810)		
Laridae	<i>Chroicocephalus ridibundus</i> ^o	Fuhrmann 1926	NE
	<i>T. (Tetrabottrius) macrocephalus</i> * (Rudolphi, 1810) - (<i>Tetrabottrius perfidum</i>)		
Podicipedidae	<i>Podiceps auritus</i> ^o	Fuhrmann 1926	N
Podicipedidae	<i>Podiceps cristatus</i> ^o	Fuhrmann 1926	N
Podicipedidae	<i>Podiceps</i> sp.		NE
TRYPANORHYNCHA			
Trypanorhyncha Diesing, 1863			
<i>Gilquinta</i> Guiart, 1927			
	<i>G. squail</i> * (Fabricius, 1794) - (<i>Tetrarhynchus paleaceus</i>)		
Salmonidae	<i>Salmo salar</i> ^o	L Zschokke 1891, Fuhrmann 1926	BA
	<i>Grillota</i> Guiart, 1927		
	<i>G. (Grillota) erinaceus</i> * (van Beneden, 1858) - (<i>Tetrarhynchus erinaceus</i> , <i>Tetrarhynchus lotae</i>)	L Zschokke 1903, Fuhrmann 1926	BA
Hepatoxylon	Bose, 1811		
	<i>H. trichiuri</i> * (Hollen, 1802) - (<i>Coenomorphus grossus</i>)		
Salmonidae	<i>Salmo salar</i> ^o	L Zschokke 1891, Fuhrmann 1926	BA
	<i>Tentacularia</i> Bose, 1797		
	<i>T. coryphaenae</i> * Bosc, 1802 - (<i>Tetrarhynchus quadristris</i>)		
Salmonidae	<i>Salmo salar</i> ^o	L Fuhrmann 1926	BA
Undetermined cestodes			
Anatidae			
Anatidae	<i>Anas acuta</i>	Hörmig 1963	
Ardeidae	<i>Bucephala clangula</i>	Hörmig 1963	
Ardeidae	<i>Ardea cinerea</i>	Hörmig 1963	
Ardeidae	<i>Egretta garzetta</i>	Hörmig 1963	
Corvidae	<i>Corvus corax</i>	Hörmig 1963	
Corvidae	<i>Corvus monedula</i>	Hörmig 1963	
Corvidae	<i>Pyrrhocorax graculus</i>	Hörmig 1963	
Cuculidae	<i>Cuculus canorus</i>	Hörmig 1963	
Picidae	<i>Dryocopus martius</i>	Hörmig 1963	
Phylloscopidae	<i>Phylloscopus collybita</i>	Hörmig 1963	
Strigidae	<i>Strix aluco</i>	Hörmig 1963	

Table 2. Hosts of cestodes in Switzerland

	# Host species	% of Swiss species	H-P pairs
INVERTEBRATES	24	---	40
VERTEBRATES	190	29% (of 665)	649
<i>ACTINOPTERYGII</i>	36	36% (of 100)	138
<i>AMPHIBIA</i>	3	16% (of 19)	4
<i>REPTILIA</i>	3	19% (of 16)	3
<i>AVES</i>	94	22% (of 431)	225
<i>MAMMALIA</i>	54	56% (of 99)	279
TOTAL	214		689

Table 3. Host – Parasite Checklist

“Invertebrates” (24)**Gastropoda (1)****Arionidae***Arion* sp.*Molluscotaenia crassiscolex***Hexanauplia (10)****Cyclopidae***Acanthocyclops viridis**Parabissacanthus kazachstanica**Cyclops abyssorum**Proteocephalus longicollis**Cyclops strenuus**Diphyllobothrium latum**Proteocephalus longicollis**Eucyclops serratulus**Diphyllobothrium latum**Echinocotyle ryjikovi**Microsomacanthus compressa**Parabissacanthus philactes**Macrocyclus albidus**Microsomacanthus compressa**Fimbriaria fasciolaris**Microsomacanthus spirallibursata**Echinocotyle ryjikovi**Mesocyclops leuckarti**Proteocephalus longicollis**Paracyclops fimbriatus**Sobolevicanthus gracilis***Diaptomidae***Diaptomus gracilis**Diphyllobothrium latum**Eudiaptomus vulgaris**Proteocephalus longicollis**Mixodiaptomus laciniatus**Proteocephalus longicollis***Ostracoda (4)****Candonidae***Candona* sp.*Sobolevicanthus gracilis**Diorchis ransomi***Cyprididae***Cyclopypris laevis**Dicranotaenia coronula**Cypris* sp.*Echinocotyle anatina**Cypridopsis vidua**Sobolevicanthus gracilis**Fimbriaria fasciolaris**Echinocotyle rosseteri**Diorchis inflata**Diorchis brevis**Diorchis ransomi***Malacostraca (1)****Gammaridae***Gammarus pulex**Coronacanthus integrus**Coronacanthus omissus**Cyathocephalus truncatus**Triodontolepis bifurca***Diplopoda (2)****Glomeridae***Glomeris marginata**Staphylocystis pistillum**Glomeris* sp.*Sobolevitaenia verulamii***Hexapoda (3)****Carabidae***Anchomenus dorsalis**Rodentolepis microstoma***Leptopsyllidae***Leptopsylla segnis**Rodentolepis microstoma*

- Scrabaecidae**
Amidorus obscurus
Ctenotaenia marmotae
- Clitellata (3)**
- Tubificidae**
Limnodrilus claparedianus
Caryophyllaeus laticeps
Tubifex barbatus
Caryophyllaeus laticeps
Tubifex tubifex
Caryophyllaeus laticeps
- Vertebrates (178)**
- Actinopterygii (36)**
- Anguillidae**
Anguilla anguilla
Proteocephalus macrocephalus
- Clupeidae**
Alosa agone
Proteocephalus longicollis
- Cottidae**
Cottus gobio
Caryophyllaeus laticeps
Cyathocephalus truncatus
Eubothrium salvelini
Triaenophorus nodulosus
- Cyprinidae**
Barbus barbus
Bathybothrium rectangulum
Eubothrium salvelini
Cyprinus carpio
Caryophyllaeus fimbriceps
Caryophyllaeus laticeps
Ligula intestinalis
- Esocidae**
Esox lucius
Cyathocephalus truncatus
Diphyllobothrium latum
Eubothrium salvelini
Proteocephalus longicollis
Proteocephalus percae
Triaenophorus crassus
Triaenophorus nodulosus
- Gasterosteidae**
Gasterosteus aculeatus
Proteocephalus filicollis
Proteocephalus percae
Schistocephalus solidus
- Gobionidae**
Gobio gobio
Ligula intestinalis
Proteocephalus torulosus
- Ictaluridae**
Ameiurus melas
Corallobothrium parafimbriatum
- Leuciscidae**
Abramis brama
Caryophyllaeus laticeps
Ligula intestinalis
Proteocephalus torulosus
Alburnus alburnus
Caryophyllaeus laticeps
Ligula intestinalis
- Proteocephalus longicollis*
Proteocephalus torulosus
Triaenophorus nodulosus
- Blicca bjoerkna**
Caryophyllaeides fennica
Caryophyllaeus laticeps
Ligula intestinalis
Proteocephalus torulosus
- Chondrostoma nasus**
Caryophyllaeus laticeps
Caryophyllaeides fennica
Ligula intestinalis
- Leuciscus leuciscus**
Ligula digramma
Proteocephalus torulosus
- Rutilus rutilus**
Caryophyllaeides fennica
Caryophyllaeus laticeps
Cyathocephalus truncatus
Ligula intestinalis
- Scardinius erythrophthalmus**
Caryophyllaeides fennica
Ligula intestinalis
- Squalius cephalus**
Caryophyllaeides fennica
Caryophyllaeus laticeps
Eubothrium salvelini
Ligula intestinalis
Proteocephalus longicollis
- Lotidae**
Lota lota
Cyathocephalus truncatus
Diphyllobothrium latum
Eubothrium rugosum
Eubothrium salvelini
Proteocephalus percae
Proteocephalus torulosus
Triaenophorus nodulosus
- Nemacheilidae**
Barbatula barbatula
Ligula intestinalis
- Percidae**
Perca fluviatilis
Bathybothrium rectangulum
Cyathocephalus truncatus
Diphyllobothrium latum
Eubothrium salvelini
Ligula intestinalis
Proteocephalus longicollis
Proteocephalus percae
Proteocephalus torulosus
Triaenophorus nodulosus
- Phoxinidae**
Phoxinus phoxinus
Cyathocephalus truncatus
Ligula intestinalis
Triaenophorus nodulosus
- Salmonidae**
Coregonus fera
Cyathocephalus truncatus
Diphyllobothrium latum
Eubothrium crassum
Eubothrium salvelini

- Ligula intestinalis*
Proteocephalus filicollis
Proteocephalus longicollis
Proteocephalus percae
Proteocephalus torulosus
Triaenophorus nodulosus
- Coregonus gutturosus**
Cyathocephalus truncatus
Proteocephalus longicollis
- Coregonus hiemalis**
Proteocephalus longicollis
Proteocephalus percae
- Coregonus lavaretus**
Proteocephalus longicollis
Proteocephalus perca
Triaenophorus crassus
- Coregonus macrophthalmus**
Cyathocephalus truncatus
Eubothrium crassum
Eubothrium salvelini
Proteocephalus longicollis
Proteocephalus percae
Proteocephalus torulosus
Triaenophorus nodulosus
- Coregonus oxyrinchus**
Proteocephalus percae
- Coregonus palaea**
Proteocephalus percae
- Coregonus wartmanni**
Eubothrium crassum
Eubothrium salvelini
Ligula intestinalis
Proteocephalus longicollis
Proteocephalus percae
Proteocephalus torulosus
Triaenophorus nodulosus
- Oncorhynchus mykiss**
Cyathocephalus truncatus
Proteocephalus longicollis
- Salmo salar**
Eubothrium crassum
Eubothrium salvelini
Gilquinia squali
Grillotia erinaceus
Hepatoxylon trichiuri
Tentacularia coryphanae
- Salmo trutta**
Cyathocephalus truncatus
Diphyllobothrium latum
Eubothrium crassum
Eubothrium salvelini
Proteocephalus longicollis
Proteocephalus percae
Triaenophorus nodulosus
- Salvelinus umbla**
Cyathocephalus truncatus
Diphyllobothrium latum
Eubothrium salvelini
Proteocephalus longicollis
Proteocephalus percae
Proteocephalus torulosus
Triaenophorus nodulosus
- Thymallus thymallus**
- Cyathocephalus truncatus*
Diphyllobothrium latum
Eubothrium salvelini
Proteocephalus longicollis
Triaenophorus nodulosus
- Siluridae**
Silurus glanis
Eubothrium salvelini
Glanitaenia osculata
- Tincidae**
Tinca tinca
Caryophyllaeus laticeps
Khawia baltica
Ligula intestinalis
Triaenophorus nodulosus
- Amphibia (3)**
Bufonidae
Bufo bufo
Nematotaenia dispar
- Ranidae**
Pelophylax lessonae
Diphyllobothrium latum
Nematotaenia dispar
- Salamandridae**
Salamandra atra
Nematotaenia dispar
- Reptilia (3)**
Colubridae
Natrix natrix
Proteocephalus longicollis
Natrix tessellata
Ophiotaenia europaea
- Lacertidae**
Lacerta viridis
Oochoristica rotundata
- Aves (94)**
Accipitridae
Accipiter gentilis
Cladotaenia cylindracea
Cladotaenia globifera
Buteo buteo
Cladotaenia cylindracea
Cladotaenia globifera
Circus gallicus
Mesocestoides perlatus
Gyps fulvus
Ligula intestinalis
Milvus migrans
Cladotaenia cylindracea
Idiogenes flagellum
- Alaudidae**
Alauda arvensis
Dilepis undula
- Anatidae**
Anas acuta
 Gen. sp.
Anas crecca
Sobolevicanthus fragilis
Anas platyrhynchos
Aploparaksis furcigera
Cloacotaenia megalops
Dicranotaenia coronula
Diorchis elisae

- Echinocotyle anatina*
Fimbriaria fasciolaris
Microsomacanthus abortiva
Microsomacanthus collaris
Microsomacanthus compressa
Microsomacanthus paracompressa
Microsomacanthus parvula
Microsomacanthus spiralibursata
Platyscolex ciliata
Raillietina anatina
Sobolevicanthus gracilis
Sobolevicanthus gracilissimus
Sobolevicanthus krabella
- Anser fabalis**
Microsomacanthus setigera
- Aythya ferina**
Diploposthe laevis
- Aythya fuligula**
Aploparaksis furcigera
Fimbriaria fasciolaris
Hymenolepis armata
Microsomacanthus arcuata
Microsomacanthus collaris
Microsomacanthus compressa
Microsomacanthus setigera
Sobolevicanthus gracilis
- Aythya marila**
Dicranotaenia coronula
Fimbriaria fasciolaris
Hymenolepis setigera
Microsomacanthus arcuata
- Bucephala clangula**
 Gen. sp.
- Cygnus olor**
Anatinella kazachstanica
Cladogynia guberiana
Echinocotyle anatina
Fimbriaria fasciolaris
Parabisaccanthes bisacculina
Parabisaccanthes kazachstanica
Parabisaccanthes philactes
Wardoides nyrocae cygni
- Mergus merganser**
Cladogynia macracanthos
Dicranotaenia coronula
Fimbriaria fasciolaris
Ligula intestinalis
Tschertkovilepis tenuirostris
- Mergus serrator**
Cladogynia macracanthos
Diorchis acuminata
- Netta rufina**
Diploposthe laevis
Fimbriaria fasciolaris
Hymenolepis teresoides
Microsomacanthus collaris
- Somateria mollissima**
Microsomacanthus microsoma
- Tadorna tadorna**
Cloacotaenia megalops
- Apodidae**
Apus apus
Anomotaenia cyathiformis
- Dilepis cypselina*
Neoliga depressa
Notopentorchis sp.
Paruterina vesiculigera
Pseudangularia sp.
- Tachymarptis melba**
Neoliga depressa
- Ardeidae**
Ardea cinerea
 Gen. sp.
- Botaurus stellaris**
Schistocephalus solidus
- Egretta garzetta**
 Gen. sp.
- Burhinidae**
Burhinus oedicephalus
Burhinotaenia coronata
- Caprimulgidae**
Caprimulgus europaeus
Paricterotaenia megacantha
- Charadriidae**
Vanellus vanellus
Anomotaenia microphallos
Anomotaenia stentorea
Sacciuterina paradoxa
- Ciconiidae**
Ciconia ciconia
Microsomacanthus microcephalus
- Cinclidae**
Cinclus cinclus
Anomotaenia dehiscens
- Columbidae**
Columba livia
Cladogynia serrata
Skrjabinia bonini
- Columba palumbus**
Cladogynia serrata
Skrjabinia bonini
- Corvidae**
Corvus corone
Dilepis undula
Passerilepis crenata
Spiniglans constricta
- Corvus frugileus**
Dilepis undula
Spiniglans affinis
Spiniglans constricta
- Corvus corax**
 Gen. sp.
- Corvus monedula**
 Gen. sp.
- Garrulus glandarius**
Passerilepis crenata
Passerilepis stylosa
Wardium farciminoso
- Nucifraga caryocatactes**
Passerilepis crenata
- Pica pica**
Dilepis undula
Passerilepis crenata
Passerilepis stylosa
- Pyrrhocorax graculus**
 Gen. sp.

- Pyrrhonorax pyrrhonorax*
Dilepis undula
- Cuculidae**
Cuculus canorus
Gen. sp.
- Falconidae**
Falco tinnunculus
Cladotaenia cylindracea
- Fringillidae**
Fringilla coelebs
Orthoskrjabinia bobica
Passerilepis passeris
Fringilla montifringilla
Orthoskrjabinia conica
Pyrrhula pyrrhula
Orthoskrjabinia bobica
- Gaviidae**
Gavia arctica
Armadoskrjabinia rostellata
Hymenolepis simulans
Gavia immer
Armadoskrjabinia rostellata
Ligula colymbi
Ligula intestinalis
Microsomacanthus pseudorostellatus
Gavia stellata
Armadoskrjabinia rostellata
- Laridae**
Chroicocephalus ridibundus
Aploparaksis cirrosa
Ligula intestinalis
Paricterotaenia porosa
Tetrabothis rhus cylindraceus
Rissa tridactyla
Ligula intestinalis
- Muscicapidae**
Erithacus rubecula
Spasskyterina trianguloides
Phoenicurus ochruros
Passerilepis passeris
- Oriolidae**
Oriolus oriolus
Choanotaenia orioli
Monopylidium galbulae
- Otididae**
Otis tarda
Hispaniolepis villosa
- Paridae**
Parus major
Anonchotaenia globata
Paricterotaenia parina
- Passerellidae**
Zonotrichia sp.
Anonchotaenia globata
- Passeridae**
Passer domesticus
Choanotaenia passerina
Monopylidium musculosa
Passerilepis passeris
- Phalacrocoracidae**
Phalacrocorax carbo
Paradilepis scolecina
- Phasianidae**
Alectoris graeca
Hymenolepis linea
Gallus gallus
Choanotaenia infundibulum
Davainea proglottina
Echinolepis carioca
Hymenolepis exilis
Raillietina echinobothrida
Raillietina tetragona
Skrjabinia cesticillus
Lyrurus tetrix
Paroniella urogalli
Perdix perdix
Davainea andrei
Hymenolepis linea
Phasianus colchicus
Choanotaenia infundibulum
Tetrao urogallus
Davainea tetraoensis
Hymenolepis microps
Paroniella urogalli
- Phylloscopidae**
Phylloscopus collybita
Gen. sp.
- Picidae**
Dendrocopos major
Anomotaenia brevis
Dictymetra sp.
Liga sp.
Monopylidium crateriformis
Orthoskrjabinia conica
Passerilepis crenata
Dryocopus martius
Gen. sp.
Jynx torquilla
Monopylidium crateriformis
Picus viridis
Monopylidium crateriformis
Raillietina frontina
- Podicipedidae**
Podiceps auritus
Dioicocestus asper
Ligula intestinalis
Tetrabothis macrocephalus
Podiceps cristatus
Aploparaksis furcigera
Confluaria furcifera
Confluaria multistriata
Confluaria pseudofurcifera
Dollfusilepis hoploporus
Hymenolepis capillaroides
Joyeuxilepis acanthorhyncha
Ligula colymbi
Ligula intestinalis
Tetrabothis macrocephalus
Podiceps nigricollis
Confluaria furcifera
Podiceps sp.
Dubinolepis rostellata
Tachybaptus ruficollis
Confluaria multistriata
Dioicocestus asper
Joyeuxilepis acanthorhyncha

Rallidae***Fulica atra***

Diorchis acuminata
Diorchis brevis
Diorchis inflata
Diorchis ransomi

Gallinula chloropus

Liga gallinulae

Rallus aquaticus

Bothriocephalus maretani (sp. inq.)

Recurvirostridae***Recurvirostra avosetta***

Wardium recurvirostrae

Scolopacidae***Calidris pugnax***

Anomotaenia microrhyncha

Gallinago gallinago

Aploparaksis filum

Numenius arquata

Anomotaenia nymphaea
Hymenolepis spaerophora
Hymenolepis uliginosa

Scolopax rusticola

Aploparaksis crassirostris
Aploparaksis filum
Sacciuterina paradoxa

Tringa totanus

Aploparaksis filum

Sittidae***Tichodroma muraria***

Hymenolepis tichodroma

Strigidae***Bubo bubo***

Hydatigera taeniaeformis

Strix aluco

Gen. sp.

Sturnidae***Sturnus vulgaris***

Dilepis undula
Monopylidium albani
Monopylidium musculosa
Monorcholepis dujardini
Passerilepis crenata
Sobolevitaenia spinosocapite

Sylviidae***Sylvia atricapilla***

Anonchotaenia globata
Passerilepis brevis
Passerilepis passeris

Sylvia borin

Monopylidium musculosa
Passerilepis passeris

Turdidae***Turdus merula***

Dilepis undula
Fernandezia spinosissima
Monorcholepis dujardini
Passerilepis crenata
Sobolevitaenia spinosocapite
Sobolevitaenia verulamii
Spaspaskya passerum
Spiniglans constricta

Turdus philomelos

Dilepis undula
Passerilepis crenata
Sobolevitaenia spinosocapite
Spiniglans constricta
Emberizotaenia raymondi

Turdus pilaris

Dilepis undula
Passerilepis crenata

Turdus viscivorus

Dilepis undula
Passerilepis crenata

Upupidae***Upupa epops***

Neyraia intricata

Mammalia (53)**Bovidae*****Bos taurus***

Echinococcus granulosus
Echinococcus multilocularis
Moniezia benedeni
Moniezia expansa
Taenia hydatigena
Taenia multiceps
Taenia saginata
Thysanosoma actinioides

Capra ibex

Moniezia benedeni
Moniezia expansa
Taenia hydatigena
Versteria mustelae

Ovis aries*

Echinococcus granulosus
Moniezia expansa
Taenia hydatigena
Taenia multiceps
Thysaniezia giardi
Versteria mustelae

Rupicapra rupicapra

Echinococcus granulosus
Moniezia expansa
Taenia hydatigena
Taenia secunda

Canidae***Canis familiaris***

Diphyllobothrium latum
Dipylidium caninum
Echinococcus granulosus
Echinococcus multilocularis
Mesocostoides lineatus
Taenia crassiceps
Taenia hydatigena
Taenia multiceps
Taenia pisiformis
Taenia serialis

Vulpes vulpes

Atriotaeia incisa
Diphyllobothrium latum
Dipylidium caninum
Echinococcus granulosus
Echinococcus multilocularis
Hymenolepis sp.
Mesocostoides lineatus

- Mesocestoides litteratus*
Taenia crassiceps
Taenia hydatigena
Taenia multiceps
Taenia pisiformis
Taenia polyacantha
- Castoridae**
- Castor fiber***
Echinococcus multilocularis
- Cervidae**
- Capreolus capreolus***
Moniezia expansa
Taenia hydatigena
Taenia krabbei
Taenia multiceps
- Cervus elaphus***
Taenia hydatigena
- Cricetidae**
- Arvicola amphibius***
Arostrilepis horrida
Arostrilepis janickii
Cladotaenia cylindracea
Echinococcus multilocularis
Hydatigera taeniaeformis
Hymenolepis procera
Microticola blanchardi
Paranoplocephala omphalodes
Taenia crassiceps
Taenia pisiformis
- Chionomys nivalis***
Anoplocephaloides dentata
Eurotaenia gracilis
Hydatigera taeniaeformis
Paranoplocephala omphalodes
Rodentolepis asymmetrica
- Microtus agrestis***
Anoplocephaloides dentata
Cladotaenia cylindracea
Eurotaenia gracilis
Hydatigera taeniaeformis
Microticola blanchardi
Paranoplocephala omphalodes
Rodentolepis asymmetrica
Taenia crassiceps
- Microtus arvalis***
Anoplocephaloides dentata
Cladotaenia cylindracea
Echinococcus multilocularis
Eurotaenia gracilis
Hydatigera taeniaeformis
Microticola blanchardi
Paranoplocephala omphalodes
Rodentolepis asymmetrica
Skrjabinotaenia lobata
Taenia crassiceps
Taenia polyacantha
Versteria mustelae
- Microtus multiplex***
Paranoplocephala omphalodes
Taenia crassiceps
Taenia polyacantha
- Microtus (Pitymys) sp.***
Arostrilepis horrida
- Rodentolepis asymmetrica*
Taenia crassiceps
- Microtus sp.***
Echinococcus granulosus
- Microtus subterraneus***
Anoplocephaloides dentata
Eurotaenia gracilis
Rodentolepis asymmetrica
Taenia crassiceps
- Myodes glareolus***
Anoplocephaloides dentata
Catenotaenia henttoneni
Catenotaenia pusilla
Cladotaenia cylindracea
Eurotaenia gracilis
Lineolepis scutigera
Mesocestoides lineatus
Neoskrjabinolepis singularis
Paranoplocephala omphalodes
Rodentolepis asymmetrica
Rodentolepis straminea
Skrjabinotaenia lobata
Taenia martis
Taenia polyacantha
Urocystis prolifer
Versteria mustelae
Vigisolepis spinulosa
- Equidae**
- Equus caballus***
Anoplocephala magna
Anoplocephala perfoliata
Equinia mamillana
- Erinaceidae**
- Erinaceus europaeus***
Rodentolepis erinacei
- Felidae**
- Felis silvestris***
Diphyllbothrium latum
Dipylidium caninum
Echinococcus multilocularis
Hydatigera taeniaeformis
Taenia pisiformis
- Lynx lynx***
Taenia sp.
- Gliridae**
- Eliomys quercinus***
Armadolepis (A.) jeanbaeri
- Glis glis***
Armadolepis (B.) myoxi
Hymenolepis sulcata
- Hominidae**
- Homo sapiens***
Diphyllbothrium dendriticum
Diphyllbothrium latum
Diphyllbothrium nihonkaiensis
Dipylidium caninum
Echinococcus granulosus
Echinococcus multilocularis
Taenia martis
Taenia saginata
Taenia solium
- Leporidae**
- Lepus europaeus***
Echinococcus granulosus

- Mosgovoyia pectinata*
Taenia pisiformis
- Lepus timidus**
Genovia wimerosa
Mosgovoyia pectinata
- Oryctolagus cuniculus**
Cittotaenia denticulata
Neoctenotaenia ctenoides
Taenia multiceps
Taenia pisiformis
Taenia serialis
- Muridae**
- Apodemus flavicollis**
Hydatigera taeniaeformis
Hymenolepis diminuta
Hymenolepis murissylvatici
Mesocestoides sp.
Rodentolepis fraterna
Rodentolepis microstoma
Rodentolepis straminea
Skrjabinotaenia lobata
Taenia martis
- Apodemus sylvaticus**
Catenotaenia pusilla
Cladotaenia cylindracea
Dilepis undula
Hydatigera taeniaeformis
Hymenolepis diminuta
Hymenolepis hibernia
Hymenolepis murissylvatici
Rodentolepis fraterna
Rodentolepis microstoma
Rodentolepis straminea
Skrjabinotaenia lobata
Taenia hydatigena
Taenia martis
Taenia polyacantha
Versteria mustelae
- Mus musculus**
Catenotaenia pusilla
Echinococcus multilocularis
Hydatigera taeniaeformis
Hymenolepis diminuta
Rodentolepis fraterna
Rodentolepis microstoma
Taenia crassiceps
Taenia polyacantha
- Rattus norvegicus**
Hydatigera taeniaeformis
Hymenolepis diminuta
- Rattus rattus**
Catenotaenia pusilla
Hymenolepis diminuta
Rodentolepis fraterna
Taenia crassiceps
Taenia pisiformis
- Mustelidae**
- Martes foina**
Hydatigera taeniaeformis
Taenia intermedia (sp. inq.)
Taenia martis
- Martes martes**
Taenia intermedia (sp. inq.)
- Meles meles**
Atriotaeonia incisa
Taenia angustata (sp. inq.)
Taenia martis
Taenia secunda
- Mustela erminea**
Hydatigera taeniaeformis
Taenia intermedia (sp. inq.)
Versteria mustelae
- Mustela nivalis**
Versteria mustelae
- Mustela putorius**
Versteria mustelae
- Sciuridae**
- Marmota marmota**
Ctenotaenia marmotae
Marmotocephala transversaria
Mosgovoyia pectinata
Taenia crassiceps
- Sciurus vulgaris**
Catenotaenia dendritica
Taenia polyacantha
- Suidae**
- Sus scrofa**
Echinococcus granulosus
Taenia hydatigena
Taenia solium
Versteria mustelae
- Soricidae**
- Crocidura leucodon**
Hymenolepis uncinata
- Crocidura russula**
Dilepis undula
Lineolepis scutigera
Pseudhymenolepis redonica
Staphylocystis furcata
Staphylocystis pistillum
Staphylocystis scalaris
Staphylocystis tiara
- Crocidura suaveolens**
Hymenolepis uncinata
Staphylocystis brusatae
Staphylocystis tiara
- Neomys anomalus**
Coronacanthus integrus
Coronacanthus omissus
Triodontolepis hamanni
- Neomys fodiens**
Coronacanthus integrus
Coronacanthus omissus
Cryptocotylepis globosoides
Molluscotaenia crassiscolex
Neomylepis magnirostellata
Soricinia globosa
Staphylocystis alpestris
Taenia polyacantha
Triodontolepis bifurca
Triodontolepis hamanni
- Sorex alpinus**
Ditestolepis diaphana
Gulyaevilepis tripartita
Molluscotaenia crassiscolex
Neoskrjabinolepis merkushevae

Neoskrjabinolepis schaldybini
Soricina infirma
Staphylocystis pistillum
Urocystis prolifer
Vigisolepis spinulosa

Sorex araneus
Cryptocotylepis globosoides
Dilepis undula
Ditestolepis diaphana
Gulyaevilepis tripartita
Hepatocestus hepaticus
Lineolepis scutigera
Molluscotaenia crassiscolex
Neoskrjabinolepis merkushevae
Neoskrjabinolepis schaldybini
Neoskrjabinolepis singularis
Soricina infirma
Staphylocystis furcata
Staphylocystis pistillum
Staphylocystis scalaris
Staphylocystis tiara
Staphylocystoides stefanskii
Urocystis prolifer
Vigisolepis spinulosa

Sorex minutus
Ditestolepis diaphana
Lineolepis scutigera

Molluscotaenia crassiscolex
Neoskrjabinolepis merkushevae
Neoskrjabinolepis schaldybini
Skrjabinacanthus jacutensis
Soricina infirma
Staphylocystis furcata
Staphylocystis scalaris
Staphylocystoides stefanskii
Urocystis prolifer
Vigisolepis spinulosa

Talpidae***Talpa europaea***

Hydatigera taeniaeformis
Multitesticulata filamentosa
Staphylocystis bacillaris
Versteria mustelae

Vespertilionidae***Myotis myotis***

Milina grisea

Myotis mystacinus

Vampirolepis balsaci

Nyctalus noctula

Staphylocystis acuta
Vampirolepis baeri

Plecotus auritus

Vampirolepis balsaci

Annex 1: List of specimens in collections. Catalogue numbers without collection reference are from the Muséum d'histoire naturelle de Genève (MHNG-PLAT-). Type status is indicated with HOLO (Holotype), LECTO (Lectotype), PARA (Paratype), SYNT (Syntype) or TYPE (Type of unknown status).

BOTHRIOCEPHALOIDEA, TRIAENOPHORIDAE, *Bathybothrium rectangulum* 27276, 40291, 55791, 55798, *Eubothrium crassum* 17858-9, 19002, 19327, 23873, 28077-8, 28080-1, 38317, 40808-9, 88297-302, *Eubothrium salvelini* IPCAS H02/1, IPCAS C126/12, 27278, 29413, 38313, 38364, 33625, 36722-6, 36728-9, 55807, 82342-4, 82660, ZMZ-122912, *Triaenophorus crassus* 42479-81, 55808, 57528, 57532, NHM 1928.1.9.130-134, *Triaenophorus nodulosus* 11607, 18170, 18498, 27937, 36003-7, 38257, 38262, 42482-6, 54161, 54426, 57662, 57667-8, 63396-8

CARYOPHYLLIDEA, CARYOPHYLLIDAE, *Caryophyllaeus fimbriceps* 78801-3, LYTOCESTIDAE, *Caryophyllaeus laticeps* 18338, 27277, 38331, 39225, 40289, 70965, 71127, 78800, 78837, 78840-4, USNM 1355422-3, *Caryophyllaeus fennica* 78797, NHM 1928.1.9.202-203, USNM 1355424-5, *Khawia baltica* 78804-5

CYCLOPHYLLIDEA, AMABILIIDAE, *Joyeuxilepis acanthoryncha* 42356, ANOPLOCEPHALIDAE, *Anoplocephala magna* 38376, 56118, *Anoplocephala perfoliata* 40241, 56079, *Anoplocephaloides dentata* 17608, 18408, 30635, 41787, 82353, 82370, 82372, 82396-7, *Atriotanea incisa* 14620, 57153, 57180, *Ctenotaenia marmotae* 130473, 27280, 38616

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