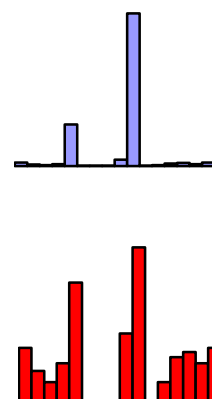


Lokalita	Vojkovice	
Parazit	Počet parazitů	Log počtu
Acanthocephalus anguillae	7	1.9459101
Apophalus muhlingi	3	1.0986123
Caryophylaeus brachycolis	2	0.6931472
cysta	4	1.3862944
Dactylogyrus folkmanovae	78	4.3567088
Dactylogyrus juvenil	1	0
Dactylogyrus nanoides	1	0
Dactylogyrus similis	1	0
Dactylogyrus sp_	12	2.4849066
Dactylogyrus vistulae	285	5.6524892
Dactylogyrus vranoviensis	1	0
Diplostomum spathaceum	2	0.6931472
Gyrodactylus gracilihamatus	5	1.6094379
Gyrodactylus hemibarbi	6	1.7917595
Gyrodactylus kearni	4	1.3862944
Gyrodactylus laevis	7	1.9459101



- Výběr buněk

CTRL+A – výběr celého listu

CTRL + klepnutí myší do buňky – výběr jednotlivých buněk

SHIFT + klepnutí myší na jinou buňku – výběr bloku buněk

SHIFT + šipky – výběr sousedních buněk ve směru šipky

SHIFT+CTRL+END (HOME) – výběr do konce, začátku oblasti dat v listu

SHIFT+CTRL+šipky – výběr souvislého řádku nebo sloupce buněk

- Kopírování a vkládání

CTRL+C – zkopírování označené oblasti buněk

CTRL+V – vložení obsahu schránky – oblast buněk, objekt, data z jiné aplikace

CTRL+Z - krok zpět

Roztažení obsahu buněk

0.289123	9-Apr-02
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CisloRyby	taxon	ParazitCelyNazev	ParazitZkratka
97	Monogenea	Gyrodactylus sp.	Gsp
97	Monogenea	Paradiplozoon homoion	PH
97	acanthocephala	Acanthocephallus lucii (Müller, 1776)	AcI
98	Crustacea	Lernaea cyprinacea Linnaeus, 1758	LER
98	Monogenea	Paradiplozoon homoion	PH
99	Monogenea	Paradiplozoon homoion	PH
100	Monogenea	D. rutili Gläser, 1965	Drut
100	Monogenea	D. crucifer Wagener, 1857	Dcru
100	Monogenea	Paradiplozoon homoion	PH
101	Monogenea	D. crucifer Wagener, 1857	Dcru
101	Monogenea	D. nanus Dogiel et Bychowsky, 1934	Dnan
101	Monogenea	Paradiplozoon homoion	PH
102	Monogenea	D. cabaleroi	Dcab
102	Monogenea	D. crucifer Wagener, 1857	Dcru
102	Monogenea	Paradiplozoon homoion	PH
103	Monogenea	D. crucifer Wagener, 1857	Dcru
103	Crustacea	Argulus foliaceus (Linnaeus, 1758)	AF
103	Monogenea	Paradiplozoon homoion	PH
104	Monogenea	D. nanus Dogiel et Bychowsky, 1934	Dnan
104	Monogenea	Paradiplozoon homoion	PH
105	Monogenea	Gyrodactylus sp.	Gsp
105	Monogenea	D. fallax Wagener, 1857	Dfal
105	Monogenea	D. crucifer Wagener, 1857	Dcru
105	Monogenea	Paradiplozoon homoion	PH
105	digenea	Apophallus mühlingsi Jägerskiöld, 1899	Apmuhl
106	Monogenea	Gyrodactylus sp.	Gsp
106	Monogenea	Paradiplozoon homoion	PH
107	Anodonta	Glochidium sp.	Glo
107	Monogenea	Paradiplozoon homoion	PH
107	nematoda	Philometra sp.	Philomsp
108	Monogenea	D. rutili Gläser, 1965	Drut
108	Monogenea	Paradiplozoon homoion	PH
108	digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
108	Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
108	nematoda	Philometra sp.	Philomsp
109	Monogenea	Gyrodactylus sp.	Gsp
109	Monogenea	D. nanus Dogiel et Bychowsky, 1934	Dnan
109	Monogenea	Paradiplozoon homoion	PH
109	digenea	Apophallus mühlingsi Jägerskiöld, 1899	Apmuhl
109	nematoda	Philometra sp.	Philomsp
110	Monogenea	Gyrodactylus sp.	Gsp
110	Monogenea	D. crucifer Wagener, 1857	Dcru
110	Monogenea	Paradiplozoon homoion	PH
110	Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
110	nematoda	Philometra sp.	Philomsp
250	Monogenea	D. crucifer Wagener, 1857	Dcru
250	Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
251	Crustacea	Argulus foliaceus (Linnaeus, 1758)	AF
251	Crustacea	Lernaea cyprinacea Linnaeus, 1758	LER
254	Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
256	Monogenea	Paradiplozoon homoion	PH
257	Monogenea	D. rutili Gläser, 1965	Drut
257	Monogenea	D. crucifer Wagener, 1857	Dcru
257	Monogenea	Paradiplozoon homoion	PH
257	digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
257	digenea	Tylodelphys clavata (Nordmann, 1832)	TC
257	Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
259	Crustacea	Argulus foliaceus (Linnaeus, 1758)	AF

259 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
260 Monogenea	Paradiplozoon homoion	PH
260 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
261 Monogenea	Paradiplozoon homoion	PH
261 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
262 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
263 Monogenea	Gyrodactylus sp.	Gsp
263 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
355 Monogenea	Gyrodactylus sp.	Gsp
355 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
63 Anodonta	Glochidium sp.	Glo
63 Monogenea	Gyrodactylus sp.	Gsp
63 Monogenea	D. similis Wagener, 1909	Dsim
63 Monogenea	D. fallax Wagener, 1857	Dfal
63 Monogenea	D. crucifer Wagener, 1857	Dcru
63 Monogenea	D. nanus Dogiel et Bychowsky, 1934	Dnan
64 Anodonta	Glochidium sp.	Glo
64 Monogenea	Gyrodactylus sp.	Gsp
64 Monogenea	D. fallax Wagener, 1857	Dfal
64 Monogenea	D. cabaleroi	Dcab
64 Monogenea	D. crucifer Wagener, 1857	Dcru
235 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
235 Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
236 Monogenea	D. suecicus Nybelin, 1937	Dsue
236 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
236 digenea	Tylodelphys clavata (Nordmann, 1832)	TC
238 Monogenea	D. suecicus Nybelin, 1937	Dsue
244 Monogenea	Gyrodactylus sp.	Gsp
244 digenea	Apophallus mülhlingi Jägerskiöld, 1899	Apmuhl
245 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
246 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
247 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
247 digenea	Apophallus mülhlingi Jägerskiöld, 1899	Apmuhl
249 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
111 Monogenea	Gyrodactylus sp.	Gsp
112 Monogenea	Gyrodactylus sp.	Gsp
112 Monogenea	D. crucifer Wagener, 1857	Dcru
112 Monogenea	Paradiplozoon homoion	PH
112 digenea	Apophallus mülhlingi Jägerskiöld, 1899	Apmuhl
113 Monogenea	D. crucifer Wagener, 1857	Dcru
114 Monogenea	Gyrodactylus sp.	Gsp
114 Monogenea	D. fallax Wagener, 1857	Dfal
114 Monogenea	D. crucifer Wagener, 1857	Dcru
114 Monogenea	D. sphyrna Linstow, 1878	Dsph
114 Crustacea	Argulus foliaceus (Linnaeus, 1758)	AF
115 Monogenea	Gyrodactylus sp.	Gsp
115 Monogenea	D. fallax Wagener, 1857	Dfal
115 Monogenea	D. crucifer Wagener, 1857	Dcru
116 Monogenea	Gyrodactylus sp.	Gsp
116 Monogenea	D. rutili Gläser, 1965	Drut
116 Monogenea	D. fallax Wagener, 1857	Dfal
116 Monogenea	D. crucifer Wagener, 1857	Dcru
117 Monogenea	Gyrodactylus sp.	Gsp
117 Monogenea	D. fallax Wagener, 1857	Dfal
117 Monogenea	D. crucifer Wagener, 1857	Dcru
117 Monogenea	D. sphyrna Linstow, 1878	Dsph
118 Monogenea	Gyrodactylus sp.	Gsp
118 Monogenea	D. suecicus Nybelin, 1937	Dsue
118 Monogenea	D. rarissimus Gusev, 1966	Drari

118 Monogenea	<i>D. rutili</i> Gläser, 1965	Drut
118 Monogenea	<i>D. fallax</i> Wagener, 1857	Dfal
118 Monogenea	<i>D. crucifer</i> Wagener, 1857	Dcru
118 Monogenea	<i>D. sphyrna</i> Linstow, 1878	Dsph
119 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
119 Monogenea	<i>D. fallax</i> Wagener, 1857	Dfal
119 Monogenea	<i>D. crucifer</i> Wagener, 1857	Dcru
120 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
120 Monogenea	<i>D. fallax</i> Wagener, 1857	Dfal
120 Monogenea	<i>D. cabaleroi</i>	Dcab
120 Monogenea	<i>D. crucifer</i> Wagener, 1857	Dcru
120 Cestoda	<i>Caryophyllaeides fennica</i> (Schneider, 1902)	Carfen
120 digenea	<i>Apophallus mühlingi</i> Jägerskiöld, 1899	Apmuhl
121 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
121 Monogenea	<i>D. fallax</i> Wagener, 1857	Dfal
121 Monogenea	<i>D. cabaleroi</i>	Dcab
121 Monogenea	<i>D. crucifer</i> Wagener, 1857	Dcru
122 Anodonta	<i>Glochidium</i> sp.	Glo
122 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
122 Monogenea	<i>D. rutili</i> Gläser, 1965	Drut
122 Monogenea	<i>D. fallax</i> Wagener, 1857	Dfal
122 Monogenea	<i>D. crucifer</i> Wagener, 1857	Dcru
281 Monogenea	<i>D. nanus</i> Dogiel et Bychowsky, 1934	Dnan
284 Monogenea	<i>D. crucifer</i> Wagener, 1857	Dcru
284 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
287 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
288 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
292 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
292 Monogenea	<i>D. rutili</i> Gläser, 1965	Drut
292 Monogenea	<i>D. nanus</i> Dogiel et Bychowsky, 1934	Dnan
292 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
292 Cestoda	<i>Caryophyllaeides fennica</i> (Schneider, 1902)	Carfen
294 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
376 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
378 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
381 Monogenea	<i>Paradiplozoon homoion</i>	PH
381 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
382 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
383 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
383 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
76 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
76 Monogenea	<i>Paradiplozoon homoion</i>	PH
77 Monogenea	<i>D. fallax</i> Wagener, 1857	Dfal
77 Monogenea	<i>Paradiplozoon homoion</i>	PH
78 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
78 Monogenea	<i>D. sphyrna</i> Linstow, 1878	Dsph
78 Cestoda	<i>Caryophyllaeides fennica</i> (Schneider, 1902)	Carfen
80 Monogenea	<i>Paradiplozoon homoion</i>	PH
81 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
81 digenea	<i>Apophallus mühlingi</i> Jägerskiöld, 1899	Apmuhl
83 Crustacea	<i>Argulus foliaceus</i> (Linnaeus, 1758)	AF
83 Crustacea	<i>Ergasilus sieboldi</i> Nordmann, 1832	ES
84 nematoda	<i>Philometra</i> sp.	Philomsp
279 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
48 Monogenea	<i>D. rutili</i> Gläser, 1965	Drut
48 Monogenea	<i>D. crucifer</i> Wagener, 1857	Dcru
50 Monogenea	<i>D. rutili</i> Gläser, 1965	Drut
51 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
52 Monogenea	<i>Gyrodactylus</i> sp.	Gsp

52 Monogenea	<i>D. suecicus</i> Nybelin, 1937	Dsue
52 Monogenea	<i>D. similis</i> Wegener, 1909	Dsim
52 Monogenea	<i>D. crucifer</i> Wagener, 1857	Dcru
52 Monogenea	<i>D. sphyrna</i> Linstow, 1878	Dsph
52 acanthocephala	<i>Acanthocephallus lucii</i> (Müller, 1776)	Acl
53 Monogenea	<i>D. rutili</i> Gläser, 1965	Drut
53 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
53 acanthocephala	<i>Acanthocephallus lucii</i> (Müller, 1776)	Acl
54 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
54 Monogenea	<i>D. crucifer</i> Wagener, 1857	Dcru
54 Monogenea	<i>D. nanus</i> Dogiel et Bychowsky, 1934	Dnan
55 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
55 Monogenea	<i>D. rutili</i> Gläser, 1965	Drut
55 Monogenea	<i>D. nanus</i> Dogiel et Bychowsky, 1934	Dnan
56 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
56 Monogenea	<i>D. similis</i> Wegener, 1909	Dsim
56 Monogenea	<i>D. rutili</i> Gläser, 1965	Drut
56 Monogenea	<i>D. nanus</i> Dogiel et Bychowsky, 1934	Dnan
56 digenea	<i>Digenea larv.</i> sp.	digl
57 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
57 Monogenea	<i>D. sphyrna</i> Linstow, 1878	Dsph
58 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
58 Monogenea	<i>D. rutili</i> Gläser, 1965	Drut
59 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
60 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
60 Monogenea	<i>D. nanus</i> Dogiel et Bychowsky, 1934	Dnan
60 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
61 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
62 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
62 Monogenea	<i>D. crucifer</i> Wagener, 1857	Dcru
62 Monogenea	<i>D. nanus</i> Dogiel et Bychowsky, 1934	Dnan
151 Monogenea	<i>D. nanus</i> Dogiel et Bychowsky, 1934	Dnan
152 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
157 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
158 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
158 digenea	<i>Tylodelphys clavata</i> (Nordmann, 1832)	TC
161 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
162 Monogenea	<i>D. crucifer</i> Wagener, 1857	Dcru
163 Monogenea	<i>Paradiplozoon homoion</i>	PH
163 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
164 Monogenea	<i>Paradiplozoon homoion</i>	PH
167 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
169 Monogenea	<i>Dactylogyrus</i> sp.	Dsp
169 Monogenea	<i>D. crucifer</i> Wagener, 1857	Dcru
170 Crustacea	<i>Ergasilus sieboldi</i> Nordmann, 1832	ES
336 Anodonta	<i>Glochidium</i> sp.	Glo
336 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
337 Anodonta	<i>Glochidium</i> sp.	Glo
337 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
338 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
339 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
340 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
340 Crustacea	<i>Argulus foliaceus</i> (Linnaeus, 1758)	AF
341 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
342 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
343 Anodonta	<i>Glochidium</i> sp.	Glo
343 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
344 Anodonta	<i>Glochidium</i> sp.	Glo
344 Monogenea	<i>Gyrodactylus</i> sp.	Gsp

344 Monogenea	<i>D. suecicus</i> Nybelin, 1937	Dsue
344 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
345 Anodonta	<i>Glochidium</i> sp.	Glo
345 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
345 Monogenea	<i>D. suecicus</i> Nybelin, 1937	Dsue
345 Monogenea	<i>D. nanus</i> Dogiel et Bychowsky, 1934	Dnan
345 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
345 digenea	<i>Posthodiplostomum cuticola</i> (Nordmann, 1832	PoC
346 Anodonta	<i>Glochidium</i> sp.	Glo
346 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
346 Monogenea	<i>D. crucifer</i> Wagener, 1857	Dcru
346 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
347 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
347 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
348 Monogenea	<i>Dactylogyrus</i> sp.	Dsp
348 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
349 Anodonta	<i>Glochidium</i> sp.	Glo
349 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
349 Monogenea	<i>D. rutili</i> Gläser, 1965	Drut
349 Monogenea	<i>D. nanus</i> Dogiel et Bychowsky, 1934	Dnan
349 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
350 Anodonta	<i>Glochidium</i> sp.	Glo
350 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
350 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
351 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
351 Monogenea	<i>D. suecicus</i> Nybelin, 1937	Dsue
351 Monogenea	<i>D. rarissimus</i> Gusev, 1966	Drari
351 Monogenea	<i>D. rutili</i> Gläser, 1965	Drut
351 Monogenea	<i>D. nanus</i> Dogiel et Bychowsky, 1934	Dnan
352 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
352 Monogenea	<i>D. suecicus</i> Nybelin, 1937	Dsue
352 Monogenea	<i>D. nanus</i> Dogiel et Bychowsky, 1934	Dnan
353 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
353 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
123 Monogenea	<i>D. cabaleroi</i>	Dcab
123 Monogenea	<i>D. crucifer</i> Wagener, 1857	Dcru
124 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
124 Monogenea	<i>Dactylogyrus</i> sp.	Dsp
124 Monogenea	<i>D. suecicus</i> Nybelin, 1937	Dsue
124 Monogenea	<i>D. rutili</i> Gläser, 1965	Drut
124 Monogenea	<i>D. crucifer</i> Wagener, 1857	Dcru
124 Cestoda	<i>Caryophyllaeides fennica</i> (Schneider, 1902)	Carfen
125 Monogenea	<i>D. suecicus</i> Nybelin, 1937	Dsue
125 Monogenea	<i>D. cabaleroi</i>	Dcab
125 Monogenea	<i>D. crucifer</i> Wagener, 1857	Dcru
127 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
127 Monogenea	<i>Paradiplozoon homoion</i>	PH
127 Cestoda	<i>Caryophyllaeides fennica</i> (Schneider, 1902)	Carfen
128 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
128 Monogenea	<i>Dactylogyrus</i> sp.	Dsp
128 Monogenea	<i>D. rutili</i> Gläser, 1965	Drut
128 Monogenea	<i>D. nanus</i> Dogiel et Bychowsky, 1934	Dnan
129 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
129 Monogenea	<i>D. rutili</i> Gläser, 1965	Drut
129 Monogenea	<i>D. cabaleroi</i>	Dcab
129 Monogenea	<i>D. crucifer</i> Wagener, 1857	Dcru
129 Monogenea	<i>D. nanus</i> Dogiel et Bychowsky, 1934	Dnan
130 Monogenea	<i>Dactylogyrus</i> sp.	Dsp
130 Monogenea	<i>D. crucifer</i> Wagener, 1857	Dcru

130 Monogenea	D. nanus Dogiel et Bychowsky, 1934	Dnan
131 Anodonta	Glochidium sp.	Glo
131 Monogenea	Gyrodactylus sp.	Gsp
131 Monogenea	D. rutili Gläser, 1965	Drut
131 Monogenea	D. crucifer Wagener, 1857	Dcru
131 Monogenea	D. nanus Dogiel et Bychowsky, 1934	Dnan
131 Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
132 Monogenea	Gyrodactylus sp.	Gsp
132 Monogenea	Dactylogyrus sp.	Dsp
132 Monogenea	D. crucifer Wagener, 1857	Dcru
133 Monogenea	Gyrodactylus sp.	Gsp
133 Monogenea	D. suecicus Nybelin, 1937	Dsue
133 Monogenea	D. crucifer Wagener, 1857	Dcru
133 Monogenea	D. nanus Dogiel et Bychowsky, 1934	Dnan
134 Monogenea	Gyrodactylus sp.	Gsp
134 Monogenea	D. suecicus Nybelin, 1937	Dsue
134 Monogenea	D. crucifer Wagener, 1857	Dcru
134 nematoda	Philometra sp.	Philomsp
296 Monogenea	D. rutili Gläser, 1965	Drut
296 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
299 Monogenea	Gyrodactylus sp.	Gsp
300 Crustacea	Lernaea cyprinacea Linnaeus, 1758	LER
367 Monogenea	Gyrodactylus sp.	Gsp
367 Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
368 Monogenea	Gyrodactylus sp.	Gsp
368 Monogenea	Dactylogyrus sp.	Dsp
369 Monogenea	Gyrodactylus sp.	Gsp
369 Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
370 Anodonta	Glochidium sp.	Glo
370 Monogenea	Gyrodactylus sp.	Gsp
371 Monogenea	Gyrodactylus sp.	Gsp
371 Monogenea	D. suecicus Nybelin, 1937	Dsue
372 Anodonta	Glochidium sp.	Glo
372 Monogenea	Gyrodactylus sp.	Gsp
373 Anodonta	Glochidium sp.	Glo
373 Monogenea	D. rutili Gläser, 1965	Drut
373 Monogenea	D. cabaleroi	Dcab
373 Monogenea	D. nanus Dogiel et Bychowsky, 1934	Dnan
86 Monogenea	Gyrodactylus sp.	Gsp
86 Monogenea	D. fallax Wagener, 1857	Dfal
86 Monogenea	D. crucifer Wagener, 1857	Dcru
86 acanthocephala	Acanthocephallus lucii (Müller, 1776)	Acl
87 Anodonta	Glochidium sp.	Glo
87 Monogenea	Gyrodactylus sp.	Gsp
87 Monogenea	D. fallax Wagener, 1857	Dfal
87 Monogenea	D. crucifer Wagener, 1857	Dcru
88 Anodonta	Glochidium sp.	Glo
88 Monogenea	Gyrodactylus sp.	Gsp
88 Monogenea	D. rutili Gläser, 1965	Drut
88 Monogenea	D. fallax Wagener, 1857	Dfal
88 Monogenea	D. cabaleroi	Dcab
88 Monogenea	D. crucifer Wagener, 1857	Dcru
88 Monogenea	D. sphyrna Linstow, 1878	Dsph
88 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
89 Monogenea	Gyrodactylus sp.	Gsp
89 Monogenea	D. fallax Wagener, 1857	Dfal
89 Monogenea	D. crucifer Wagener, 1857	Dcru
90 Anodonta	Glochidium sp.	Glo
90 Monogenea	Gyrodactylus sp.	Gsp

90 Monogenea	D. suecicus Nybelin, 1937	Dsue
90 Monogenea	D. rutili Gläser, 1965	Drut
90 Monogenea	D. fallax Wagener, 1857	Dfal
90 Monogenea	D. crucifer Wagener, 1857	Dcru
90 Monogenea	D. sphyrna Linstow, 1878	Dsph
90 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
91 Anodonta	Glochidium sp.	Glo
91 Monogenea	Gyrodactylus sp.	Gsp
91 Monogenea	D. fallax Wagener, 1857	Dfal
91 Monogenea	D. crucifer Wagener, 1857	Dcru
91 Monogenea	D. sphyrna Linstow, 1878	Dsph
92 Anodonta	Glochidium sp.	Glo
92 Monogenea	Gyrodactylus sp.	Gsp
92 Monogenea	D. rutili Gläser, 1965	Drut
92 Monogenea	D. fallax Wagener, 1857	Dfal
92 Monogenea	D. crucifer Wagener, 1857	Dcru
92 Monogenea	D. nanus Dogiel et Bychowsky, 1934	Dnan
93 Monogenea	Gyrodactylus sp.	Gsp
93 Monogenea	D. suecicus Nybelin, 1937	Dsue
93 Monogenea	D. sphyrna Linstow, 1878	Dsph
94 Monogenea	Gyrodactylus sp.	Gsp
94 Monogenea	D. fallax Wagener, 1857	Dfal
94 Monogenea	D. cabaleroi	Dcab
94 Monogenea	D. crucifer Wagener, 1857	Dcru
95 Monogenea	Gyrodactylus sp.	Gsp
95 Monogenea	D. fallax Wagener, 1857	Dfal
95 Monogenea	D. crucifer Wagener, 1857	Dcru
96 Monogenea	Gyrodactylus sp.	Gsp
96 Monogenea	Dactylogyrus sp.	Dsp
96 Monogenea	D. cabaleroi	Dcab
96 Monogenea	D. crucifer Wagener, 1857	Dcru
96 Crustacea	Argulus foliaceus (Linnaeus, 1758)	AF
96 Crustacea	Lernaea cyprinacea Linnaeus, 1758	LER
218 Monogenea	Paradiplozoon homoion	PH
220 Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
221 Crustacea	Argulus foliaceus (Linnaeus, 1758)	AF
221 Crustacea	Lernaea cyprinacea Linnaeus, 1758	LER
221 Monogenea	Paradiplozoon homoion	PH
223 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
223 digenea	Tylodelphys clavata (Nordmann, 1832)	TC
225 Monogenea	Paradiplozoon homoion	PH
225 digenea	Tylodelphys clavata (Nordmann, 1832)	TC
227 Monogenea	Paradiplozoon homoion	PH
228 Monogenea	Paradiplozoon homoion	PH
228 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
228 digenea	Tylodelphys clavata (Nordmann, 1832)	TC
229 Monogenea	Paradiplozoon homoion	PH
229 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
230 Monogenea	Paradiplozoon homoion	PH
231 Crustacea	Lernaea cyprinacea Linnaeus, 1758	LER
231 digenea	Tylodelphys clavata (Nordmann, 1832)	TC
233 Crustacea	Argulus foliaceus (Linnaeus, 1758)	AF
233 Monogenea	Paradiplozoon homoion	PH
234 Monogenea	Paradiplozoon homoion	PH
234 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
356 Monogenea	D. rutili Gläser, 1965	Drut
357 Monogenea	Gyrodactylus sp.	Gsp
358 Monogenea	D. suecicus Nybelin, 1937	Dsue
359 Anodonta	Glochidium sp.	Glo

359 Monogenea	Gyrodactylus sp.	Gsp
359 Monogenea	Dactylogyrus sp.	Dsp
359 Monogenea	D. suecicus Nybelin, 1937	Dsue
359 Monogenea	D. cabaleroi	Dcab
359 Monogenea	D. nanus Dogiel et Bychowsky, 1934	Dnan
359 Monogenea	Paradiplozoon homoion	PH
360 Monogenea	Gyrodactylus sp.	Gsp
360 Monogenea	Dactylogyrus sp.	Dsp
360 Monogenea	D. cabaleroi	Dcab
362 Monogenea	Gyrodactylus sp.	Gsp
363 Monogenea	Gyrodactylus sp.	Gsp
364 Monogenea	Gyrodactylus sp.	Gsp
365 Monogenea	Gyrodactylus sp.	Gsp
365 Monogenea	D. crucifer Wagener, 1857	Dcru
366 Monogenea	Gyrodactylus sp.	Gsp
366 Monogenea	Dactylogyrus sp.	Dsp
366 Monogenea	D. similis Wegener, 1909	Dsim
366 Monogenea	D. fallax Wagener, 1857	Dfal
366 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
40 Monogenea	Gyrodactylus sp.	Gsp
40 Monogenea	D. similis Wegener, 1909	Dsim
41 Anodonta	Glochidium sp.	Glo
41 Monogenea	Gyrodactylus sp.	Gsp
41 Monogenea	D. crucifer Wagener, 1857	Dcru
41 Monogenea	D. nanus Dogiel et Bychowsky, 1934	Dnan
42 Anodonta	Glochidium sp.	Glo
42 Monogenea	Gyrodactylus sp.	Gsp
43 Monogenea	Gyrodactylus sp.	Gsp
44 Monogenea	Gyrodactylus sp.	Gsp
45 Anodonta	Glochidium sp.	Glo
45 Monogenea	Gyrodactylus sp.	Gsp
45 Monogenea	D. suecicus Nybelin, 1937	Dsue
45 Monogenea	D. crucifer Wagener, 1857	Dcru
46 Monogenea	Gyrodactylus sp.	Gsp
203 Monogenea	D. suecicus Nybelin, 1937	Dsue
203 Monogenea	D. rutili Gläser, 1965	Drut
203 Monogenea	D. crucifer Wagener, 1857	Dcru
205 Crustacea	Argulus foliaceus (Linnaeus, 1758)	AF
205 Monogenea	Paradiplozoon homoion	PH
206 Crustacea	Lernaea cyprinacea Linnaeus, 1758	LER
206 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
207 Monogenea	Dactylogyrus sp.	Dsp
207 Monogenea	D. crucifer Wagener, 1857	Dcru
207 Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
209 Crustacea	Lernaea cyprinacea Linnaeus, 1758	LER
209 Monogenea	Paradiplozoon homoion	PH
209 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
210 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
210 Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
210 acanthocephala	Acanthocephallus lucii (Müller, 1776)	Acl
210 digenea	Digenea larv. sp.	digl
211 Monogenea	D. suecicus Nybelin, 1937	Dsue
211 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
211 Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
212 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
214 Monogenea	D. crucifer Wagener, 1857	Dcru
214 Crustacea	Lernaea cyprinacea Linnaeus, 1758	LER
214 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
215 Crustacea	Argulus foliaceus (Linnaeus, 1758)	AF

216 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
217 Monogenea	Gyrodactylus sp.	Gsp
217 Crustacea	Argulus foliaceus (Linnaeus, 1758)	AF
65 Anodonta	Glochidium sp.	Glo
65 Monogenea	Gyrodactylus sp.	Gsp
66 Monogenea	Gyrodactylus sp.	Gsp
66 Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
67 Monogenea	Gyrodactylus sp.	Gsp
68 Anodonta	Glochidium sp.	Glo
68 Monogenea	Gyrodactylus sp.	Gsp
70 Monogenea	Gyrodactylus sp.	Gsp
70 Monogenea	D. sphyrna Linstow, 1878	Dsph
71 Anodonta	Glochidium sp.	Glo
71 Monogenea	Gyrodactylus sp.	Gsp
71 Monogenea	D. fallax Wagener, 1857	Dfal
74 Anodonta	Glochidium sp.	Glo
74 Monogenea	Gyrodactylus sp.	Gsp
74 Monogenea	D. crucifer Wagener, 1857	Dcru
75 Crustacea	Argulus foliaceus (Linnaeus, 1758)	AF
75 Monogenea	Paradiplozoon homoion	PH
265 Monogenea	D. crucifer Wagener, 1857	Dcru
265 Monogenea	Paradiplozoon homoion	PH
267 annelida	Piscicola geometra (Linnaeus, 1761)	PiG
268 Crustacea	Argulus foliaceus (Linnaeus, 1758)	AF
268 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
269 Monogenea	Paradiplozoon homoion	PH
270 Monogenea	D. rutili Gläser, 1965	Drut
270 Monogenea	Paradiplozoon homoion	PH
271 Monogenea	Paradiplozoon homoion	PH
275 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
276 Monogenea	Paradiplozoon homoion	PH
11 Anodonta	Glochidium sp.	Glo
11 Monogenea	D. fallax Wagener, 1857	Dfal
11 Monogenea	D. crucifer Wagener, 1857	Dcru
12 Crustacea	Argulus foliaceus (Linnaeus, 1758)	AF
12 Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
13 Anodonta	Glochidium sp.	Glo
13 Monogenea	D. rutili Gläser, 1965	Drut
13 Crustacea	Argulus foliaceus (Linnaeus, 1758)	AF
14 Monogenea	D. suecicus Nybelin, 1937	Dsue
14 Monogenea	D. similis Wegener, 1909	Dsim
14 Monogenea	D. fallax Wagener, 1857	Dfal
14 Monogenea	D. crucifer Wagener, 1857	Dcru
15 Monogenea	D. suecicus Nybelin, 1937	Dsue
15 Monogenea	D. similis Wegener, 1909	Dsim
15 Monogenea	D. rutili Gläser, 1965	Drut
16 Crustacea	Argulus foliaceus (Linnaeus, 1758)	AF
17 Monogenea	Gyrodactylus sp.	Gsp
17 Monogenea	D. crucifer Wagener, 1857	Dcru
18 Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
19 Monogenea	D. similis Wegener, 1909	Dsim
19 Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
21 Anodonta	Glochidium sp.	Glo
21 Monogenea	D. suecicus Nybelin, 1937	Dsue
21 Monogenea	D. fallax Wagener, 1857	Dfal
21 Crustacea	Argulus foliaceus (Linnaeus, 1758)	AF
135 Monogenea	D. suecicus Nybelin, 1937	Dsue
135 Monogenea	D. crucifer Wagener, 1857	Dcru
135 Monogenea	D. sphyrna Linstow, 1878	Dsph

136 Monogenea	Gyrodactylus sp.	Gsp
136 Monogenea	D. crucifer Wagener, 1857	Dcru
137 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
138 Monogenea	D. rutili Gläser, 1965	Drut
139 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
140 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
141 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
143 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
144 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
145 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
146 Monogenea	Gyrodactylus sp.	Gsp
146 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
307 Monogenea	Gyrodactylus sp.	Gsp
307 Crustacea	Argulus foliaceus (Linnaeus, 1758)	AF
309 Monogenea	Gyrodactylus sp.	Gsp
310 Monogenea	Gyrodactylus sp.	Gsp
311 Monogenea	Gyrodactylus sp.	Gsp
311 Crustacea	Argulus foliaceus (Linnaeus, 1758)	AF
314 Monogenea	Gyrodactylus sp.	Gsp
314 Crustacea	Argulus foliaceus (Linnaeus, 1758)	AF
315 Monogenea	Gyrodactylus sp.	Gsp
315 Crustacea	Argulus foliaceus (Linnaeus, 1758)	AF
317 Monogenea	Gyrodactylus sp.	Gsp
319 Monogenea	Gyrodactylus sp.	Gsp
2 Monogenea	Paradiplozoon homoion	PH
2 Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
3 Monogenea	Paradiplozoon homoion	PH
3 Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
5 Monogenea	D. rutili Gläser, 1965	Drut
8 Crustacea	Argulus foliaceus (Linnaeus, 1758)	AF
8 Monogenea	Paradiplozoon homoion	PH
9 Monogenea	D. fallax Wagener, 1857	Dfal
9 Crustacea	Argulus foliaceus (Linnaeus, 1758)	AF
10 Crustacea	Argulus foliaceus (Linnaeus, 1758)	AF
10 Monogenea	Paradiplozoon homoion	PH
150 Monogenea	D. rarissimus Gusev, 1966	Drari
150 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
150 Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
30 Monogenea	Gyrodactylus sp.	Gsp
30 Monogenea	D. suecicus Nybelin, 1937	Dsue
30 Monogenea	D. similis Wegener, 1909	Dsim
31 Crustacea	Lernaea cyprinacea Linnaeus, 1758	LER
31 Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
32 Monogenea	D. crucifer Wagener, 1857	Dcru
32 Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
33 Monogenea	Gyrodactylus sp.	Gsp
33 Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
34 Monogenea	Gyrodactylus sp.	Gsp
34 Monogenea	D. similis Wegener, 1909	Dsim
34 Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
35 Monogenea	Gyrodactylus sp.	Gsp
35 Monogenea	D. suecicus Nybelin, 1937	Dsue
35 Monogenea	D. fallax Wagener, 1857	Dfal
35 Monogenea	D. cabaleroi	Dcab
36 Monogenea	Gyrodactylus sp.	Gsp
37 Monogenea	Gyrodactylus sp.	Gsp
38 Monogenea	Gyrodactylus sp.	Gsp
38 Monogenea	D. suecicus Nybelin, 1937	Dsue
38 Monogenea	D. cabaleroi	Dcab

39 Monogenea	Gyrodactylus sp.	Gsp
174 Monogenea	D. crucifer Wagener, 1857	Dcru
174 Crustacea	Argulus foliaceus (Linnaeus, 1758)	AF
175 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
176 Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
177 Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
178 Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
179 Monogenea	D. suecicus Nybelin, 1937	Dsue
179 Monogenea	D. rutili Gläser, 1965	Drut
179 Monogenea	D. crucifer Wagener, 1857	Dcru
179 Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
180 Monogenea	D. crucifer Wagener, 1857	Dcru
180 Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
182 Monogenea	Gyrodactylus sp.	Gsp
182 Crustacea	Argulus foliaceus (Linnaeus, 1758)	AF
182 Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
183 Monogenea	D. crucifer Wagener, 1857	Dcru
183 Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
184 Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
185 Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
324 Monogenea	Gyrodactylus sp.	Gsp
325 Anodonta	Glochidium sp.	Glo
325 Monogenea	Gyrodactylus sp.	Gsp
326 Monogenea	Gyrodactylus sp.	Gsp
327 Monogenea	Gyrodactylus sp.	Gsp
328 Monogenea	Gyrodactylus sp.	Gsp
328 Crustacea	Argulus foliaceus (Linnaeus, 1758)	AF
331 Monogenea	Gyrodactylus sp.	Gsp
334 Monogenea	Gyrodactylus sp.	Gsp
335 Monogenea	Gyrodactylus sp.	Gsp
22 Monogenea	D. cabaleroi	Dcab
22 Monogenea	D. crucifer Wagener, 1857	Dcru
23 Monogenea	D. suecicus Nybelin, 1937	Dsue
23 Monogenea	D. fallax Wagener, 1857	Dfal
23 Monogenea	D. cabaleroi	Dcab
23 Monogenea	D. crucifer Wagener, 1857	Dcru
24 Anodonta	Glochidium sp.	Glo
24 Monogenea	Gyrodactylus sp.	Gsp
24 Monogenea	D. suecicus Nybelin, 1937	Dsue
24 Monogenea	D. rutili Gläser, 1965	Drut
24 Monogenea	D. fallax Wagener, 1857	Dfal
24 Monogenea	D. crucifer Wagener, 1857	Dcru
24 Monogenea	D. nanus Dogiel et Bychowsky, 1934	Dnan
25 Anodonta	Glochidium sp.	Glo
25 Monogenea	Gyrodactylus sp.	Gsp
25 Monogenea	D. fallax Wagener, 1857	Dfal
26 Anodonta	Glochidium sp.	Glo
26 Monogenea	Gyrodactylus sp.	Gsp
27 Monogenea	Gyrodactylus sp.	Gsp
27 Monogenea	D. suecicus Nybelin, 1937	Dsue
27 Monogenea	D. cabaleroi	Dcab
28 Anodonta	Glochidium sp.	Glo
28 Monogenea	Gyrodactylus sp.	Gsp
29 Monogenea	Gyrodactylus sp.	Gsp
29 Monogenea	D. similis Wegener, 1909	Dsim
187 Crustacea	Argulus foliaceus (Linnaeus, 1758)	AF
187		Copil
188 Monogenea	Dactylogyrus sp.	Dsp
189 Monogenea	D. crucifer Wagener, 1857	Dcru

189 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
189 acanthocephala	Acanthocephalus lucii (Müller, 1776)	Acl
190 Monogenea	D. rutili Gläser, 1965	Drut
190 Monogenea	Paradiplozoon homoion	PH
191 Monogenea	D. nanus Dogiel et Bychowsky, 1934	Dnan
196 Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
198 Monogenea	D. suecicus Nybelin, 1937	Dsue
199 Monogenea	D. crucifer Wagener, 1857	Dcru
199 Monogenea	Paradiplozoon homoion	PH
199 Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
200 annelida	Piscicola geometra (Linnaeus, 1761)	PiG
201 Monogenea	Paradiplozoon homoion	PH

typParazita	PocetParazitu	Lokalita	season	type
ektoparazi	1	HEL	spring 97	gravel pit
ektoparazi	23	HEL	spring 97	gravel pit
endoparaz	1	HEL	spring 97	gravel pit
ektoparazi	9	HEL	spring 97	gravel pit
ektoparazi	7	HEL	spring 97	gravel pit
ektoparazi	3	HEL	spring 97	gravel pit
ektoparazi	2	HEL	spring 97	gravel pit
ektoparazi	2	HEL	spring 97	gravel pit
ektoparazi	1	HEL	spring 97	gravel pit
ektoparazi	2	HEL	spring 97	gravel pit
ektoparazi	6	HEL	spring 97	gravel pit
ektoparazi	3	HEL	spring 97	gravel pit
ektoparazi	2	HEL	spring 97	gravel pit
ektoparazi	2	HEL	spring 97	gravel pit
ektoparazi	1	HEL	spring 97	gravel pit
ektoparazi	2	HEL	spring 97	gravel pit
ektoparazi	2	HEL	spring 97	gravel pit
ektoparazi	14	HEL	spring 97	gravel pit
ektoparazi	2	HEL	spring 97	gravel pit
ektoparazi	2	HEL	spring 97	gravel pit
ektoparazi	2	HEL	spring 97	gravel pit
ektoparazi	8	HEL	spring 97	gravel pit
endoparaz	1	HEL	spring 97	gravel pit
ektoparazi	2	HEL	spring 97	gravel pit
ektoparazi	2	HEL	spring 97	gravel pit
ektoparazi	4	HEL	spring 97	gravel pit
ektoparazi	6	HEL	spring 97	gravel pit
endoparaz	10	HEL	spring 97	gravel pit
ektoparazi	2	HEL	spring 97	gravel pit
ektoparazi	1	HEL	spring 97	gravel pit
endoparaz	6	HEL	spring 97	gravel pit
endoparaz	2	HEL	spring 97	gravel pit
endoparaz	1	HEL	spring 97	gravel pit
ektoparazi	2	HEL	spring 97	gravel pit
ektoparazi	6	HEL	spring 97	gravel pit
ektoparazi	3	HEL	spring 97	gravel pit
endoparaz	3	HEL	spring 97	gravel pit
endoparaz	1	HEL	spring 97	gravel pit
ektoparazi	1	HEL	spring 97	gravel pit
ektoparazi	2	HEL	spring 97	gravel pit
ektoparazi	1	HEL	spring 97	gravel pit
endoparaz	2	HEL	spring 97	gravel pit
endoparaz	1	HEL	spring 97	gravel pit
ektoparazi	2	HEL	autumn 97	gravel pit
endoparaz	6	HEL	autumn 97	gravel pit
ektoparazi	1	HEL	autumn 97	gravel pit
ektoparazi	1	HEL	autumn 97	gravel pit
endoparaz	2	HEL	autumn 97	gravel pit
ektoparazi	8	HEL	autumn 97	gravel pit
ektoparazi	2	HEL	autumn 97	gravel pit
ektoparazi	4	HEL	autumn 97	gravel pit
ektoparazi	2	HEL	autumn 97	gravel pit
endoparaz	10	HEL	autumn 97	gravel pit
endoparaz	8	HEL	autumn 97	gravel pit
endoparaz	2	HEL	autumn 97	gravel pit
ektoparazi	1	HEL	autumn 97	gravel pit

endoparaz	6 HEL	autumn 97	gravel pit
ektoparazi	2 HEL	autumn 97	gravel pit
endoparaz	2 HEL	autumn 97	gravel pit
ektoparazi	20 HEL	autumn 97	gravel pit
endoparaz	4 HEL	autumn 97	gravel pit
endoparaz	6 HEL	autumn 97	gravel pit
ektoparazi	1 HEL	autumn 97	gravel pit
endoparaz	2 HEL	autumn 97	gravel pit
ektoparazi	2 HEL	spring 98	gravel pit
endoparaz	6 HEL	spring 98	gravel pit
ektoparazi	2 HVE	spring 97	gravel pit
ektoparazi	4 HVE	spring 97	gravel pit
ektoparazi	2 HVE	spring 97	gravel pit
ektoparazi	38 HVE	spring 97	gravel pit
ektoparazi	32 HVE	spring 97	gravel pit
ektoparazi	2 HVE	spring 97	gravel pit
ektoparazi	6 HVE	spring 97	gravel pit
ektoparazi	9 HVE	spring 97	gravel pit
ektoparazi	54 HVE	spring 97	gravel pit
ektoparazi	4 HVE	spring 97	gravel pit
ektoparazi	4 HVE	spring 97	gravel pit
endoparaz	2 HVE	autumn 97	gravel pit
endoparaz	2 HVE	autumn 97	gravel pit
ektoparazi	4 HVE	autumn 97	gravel pit
endoparaz	2 HVE	autumn 97	gravel pit
endoparaz	8 HVE	autumn 97	gravel pit
ektoparazi	2 HVE	autumn 97	gravel pit
ektoparazi	2 HVE	autumn 97	gravel pit
endoparaz	1 HVE	autumn 97	gravel pit
endoparaz	4 HVE	autumn 97	gravel pit
endoparaz	2 HVE	autumn 97	gravel pit
endoparaz	6 HVE	autumn 97	gravel pit
endoparaz	2 HVE	autumn 97	gravel pit
endoparaz	2 HVE	autumn 97	gravel pit
ektoparazi	34 KYJ	spring 97	river
ektoparazi	18 KYJ	spring 97	river
ektoparazi	12 KYJ	spring 97	river
ektoparazi	2 KYJ	spring 97	river
endoparaz	6 KYJ	spring 97	river
ektoparazi	8 KYJ	spring 97	river
ektoparazi	48 KYJ	spring 97	river
ektoparazi	4 KYJ	spring 97	river
ektoparazi	16 KYJ	spring 97	river
ektoparazi	2 KYJ	spring 97	river
ektoparazi	1 KYJ	spring 97	river
ektoparazi	120 KYJ	spring 97	river
ektoparazi	6 KYJ	spring 97	river
ektoparazi	10 KYJ	spring 97	river
ektoparazi	81 KYJ	spring 97	river
ektoparazi	6 KYJ	spring 97	river
ektoparazi	4 KYJ	spring 97	river
ektoparazi	12 KYJ	spring 97	river
ektoparazi	75 KYJ	spring 97	river
ektoparazi	16 KYJ	spring 97	river
ektoparazi	14 KYJ	spring 97	river
ektoparazi	2 KYJ	spring 97	river
ektoparazi	28 KYJ	spring 97	river
ektoparazi	10 KYJ	spring 97	river
ektoparazi	4 KYJ	spring 97	river

ektoparazi	4 KYJ	spring 97	river
ektoparazi	6 KYJ	spring 97	river
ektoparazi	30 KYJ	spring 97	river
ektoparazi	2 KYJ	spring 97	river
ektoparazi	13 KYJ	spring 97	river
ektoparazi	12 KYJ	spring 97	river
ektoparazi	24 KYJ	spring 97	river
ektoparazi	24 KYJ	spring 97	river
ektoparazi	2 KYJ	spring 97	river
ektoparazi	2 KYJ	spring 97	river
ektoparazi	14 KYJ	spring 97	river
endoparaz	2 KYJ	spring 97	river
endoparaz	1 KYJ	spring 97	river
ektoparazi	139 KYJ	spring 97	river
ektoparazi	2 KYJ	spring 97	river
ektoparazi	2 KYJ	spring 97	river
ektoparazi	6 KYJ	spring 97	river
ektoparazi	6 KYJ	spring 97	river
ektoparazi	132 KYJ	spring 97	river
ektoparazi	12 KYJ	spring 97	river
ektoparazi	4 KYJ	spring 97	river
ektoparazi	10 KYJ	spring 97	river
ektoparazi	2 KYJ	autumn 97	river
ektoparazi	8 KYJ	autumn 97	river
endoparaz	6 KYJ	autumn 97	river
endoparaz	4 KYJ	autumn 97	river
endoparaz	4 KYJ	autumn 97	river
ektoparazi	4 KYJ	autumn 97	river
ektoparazi	4 KYJ	autumn 97	river
ektoparazi	2 KYJ	autumn 97	river
endoparaz	4 KYJ	autumn 97	river
endoparaz	2 KYJ	autumn 97	river
endoparaz	2 KYJ	autumn 97	river
endoparaz	2 KYJ	spring 98	river
endoparaz	2 KYJ	spring 98	river
ektoparazi	2 KYJ	spring 98	river
endoparaz	2 KYJ	spring 98	river
endoparaz	4 KYJ	spring 98	river
ektoparazi	3 KYJ	spring 98	river
endoparaz	2 KYJ	spring 98	river
ektoparazi	1 MEL	spring 97	gravel pit
ektoparazi	1 MEL	spring 97	gravel pit
ektoparazi	4 MEL	spring 97	gravel pit
ektoparazi	1 MEL	spring 97	gravel pit
ektoparazi	2 MEL	spring 97	gravel pit
ektoparazi	2 MEL	spring 97	gravel pit
endoparaz	2 MEL	spring 97	gravel pit
ektoparazi	2 MEL	spring 97	gravel pit
ektoparazi	6 MEL	spring 97	gravel pit
endoparaz	2 MEL	spring 97	gravel pit
ektoparazi	1 MEL	spring 97	gravel pit
ektoparazi	1 MEL	spring 97	gravel pit
endoparaz	1 MEL	spring 97	gravel pit
endoparaz	2 MEL	autumn 97	gravel pit
ektoparazi	2 MNV	spring 97	oxbow
ektoparazi	2 MNV	spring 97	oxbow
ektoparazi	2 MNV	spring 97	oxbow
ektoparazi	2 MNV	spring 97	oxbow
ektoparazi	40 MNV	spring 97	oxbow

ektoparazi	2 MNV	spring 97	oxbow
ektoparazi	6 MNV	spring 97	oxbow
ektoparazi	2 MNV	spring 97	oxbow
ektoparazi	2 MNV	spring 97	oxbow
endoparaz	3 MNV	spring 97	oxbow
ektoparazi	10 MNV	spring 97	oxbow
endoparaz	4 MNV	spring 97	oxbow
endoparaz	4 MNV	spring 97	oxbow
ektoparazi	14 MNV	spring 97	oxbow
ektoparazi	8 MNV	spring 97	oxbow
ektoparazi	2 MNV	spring 97	oxbow
ektoparazi	85 MNV	spring 97	oxbow
ektoparazi	6 MNV	spring 97	oxbow
ektoparazi	4 MNV	spring 97	oxbow
ektoparazi	6 MNV	spring 97	oxbow
ektoparazi	4 MNV	spring 97	oxbow
ektoparazi	4 MNV	spring 97	oxbow
ektoparazi	4 MNV	spring 97	oxbow
endoparaz	4 MNV	spring 97	oxbow
ektoparazi	17 MNV	spring 97	oxbow
ektoparazi	4 MNV	spring 97	oxbow
ektoparazi	7 MNV	spring 97	oxbow
ektoparazi	2 MNV	spring 97	oxbow
ektoparazi	15 MNV	spring 97	oxbow
ektoparazi	10 MNV	spring 97	oxbow
ektoparazi	2 MNV	spring 97	oxbow
endoparaz	2 MNV	spring 97	oxbow
ektoparazi	88 MNV	spring 97	oxbow
ektoparazi	8 MNV	spring 97	oxbow
ektoparazi	2 MNV	spring 97	oxbow
ektoparazi	4 MNV	spring 97	oxbow
ektoparazi	2 MNV	autumn 97	oxbow
endoparaz	2 MNV	autumn 97	oxbow
endoparaz	10 MNV	autumn 97	oxbow
endoparaz	4 MNV	autumn 97	oxbow
endoparaz	2 MNV	autumn 97	oxbow
endoparaz	6 MNV	autumn 97	oxbow
ektoparazi	2 MNV	autumn 97	oxbow
ektoparazi	2 MNV	autumn 97	oxbow
endoparaz	4 MNV	autumn 97	oxbow
ektoparazi	1 MNV	autumn 97	oxbow
endoparaz	4 MNV	autumn 97	oxbow
ektoparazi	2 MNV	autumn 97	oxbow
ektoparazi	4 MNV	autumn 97	oxbow
ektoparazi	1 MNV	autumn 97	oxbow
ektoparazi	4 MNV	spring 98	oxbow
ektoparazi	14 MNV	spring 98	oxbow
ektoparazi	2 MNV	spring 98	oxbow
ektoparazi	19 MNV	spring 98	oxbow
ektoparazi	32 MNV	spring 98	oxbow
ektoparazi	4 MNV	spring 98	oxbow
ektoparazi	7 MNV	spring 98	oxbow
ektoparazi	1 MNV	spring 98	oxbow
ektoparazi	18 MNV	spring 98	oxbow
ektoparazi	6 MNV	spring 98	oxbow
ektoparazi	1 MNV	spring 98	oxbow
ektoparazi	7 MNV	spring 98	oxbow
ektoparazi	2 MNV	spring 98	oxbow
ektoparazi	3 MNV	spring 98	oxbow

ektoparazi	4 MNV	spring 98	oxbow
endoparaz	2 MNV	spring 98	oxbow
ektoparazi	1 MNV	spring 98	oxbow
ektoparazi	3 MNV	spring 98	oxbow
ektoparazi	2 MNV	spring 98	oxbow
ektoparazi	2 MNV	spring 98	oxbow
endoparaz	6 MNV	spring 98	oxbow
endoparaz	1 MNV	spring 98	oxbow
ektoparazi	288 MNV	spring 98	oxbow
ektoparazi	12 MNV	spring 98	oxbow
ektoparazi	2 MNV	spring 98	oxbow
endoparaz	2 MNV	spring 98	oxbow
ektoparazi	10 MNV	spring 98	oxbow
endoparaz	2 MNV	spring 98	oxbow
ektoparazi	2 MNV	spring 98	oxbow
endoparaz	2 MNV	spring 98	oxbow
ektoparazi	4 MNV	spring 98	oxbow
ektoparazi	20 MNV	spring 98	oxbow
ektoparazi	2 MNV	spring 98	oxbow
ektoparazi	2 MNV	spring 98	oxbow
endoparaz	16 MNV	spring 98	oxbow
ektoparazi	1 MNV	spring 98	oxbow
ektoparazi	10 MNV	spring 98	oxbow
endoparaz	8 MNV	spring 98	oxbow
ektoparazi	9 MNV	spring 98	oxbow
ektoparazi	4 MNV	spring 98	oxbow
ektoparazi	2 MNV	spring 98	oxbow
ektoparazi	8 MNV	spring 98	oxbow
ektoparazi	2 MNV	spring 98	oxbow
ektoparazi	6 MNV	spring 98	oxbow
ektoparazi	2 MNV	spring 98	oxbow
ektoparazi	2 MNV	spring 98	oxbow
ektoparazi	7 MNV	spring 98	oxbow
endoparaz	4 MNV	spring 98	oxbow
ektoparazi	4 MOR	spring 97	river
ektoparazi	8 MOR	spring 97	river
ektoparazi	4 MOR	spring 97	river
ektoparazi	4 MOR	spring 97	river
ektoparazi	6 MOR	spring 97	river
ektoparazi	8 MOR	spring 97	river
ektoparazi	8 MOR	spring 97	river
endoparaz	2 MOR	spring 97	river
ektoparazi	2 MOR	spring 97	river
ektoparazi	2 MOR	spring 97	river
ektoparazi	6 MOR	spring 97	river
ektoparazi	7 MOR	spring 97	river
ektoparazi	2 MOR	spring 97	river
endoparaz	2 MOR	spring 97	river
ektoparazi	6 MOR	spring 97	river
ektoparazi	2 MOR	spring 97	river
ektoparazi	2 MOR	spring 97	river
ektoparazi	2 MOR	spring 97	river
ektoparazi	1 MOR	spring 97	river
ektoparazi	6 MOR	spring 97	river
ektoparazi	4 MOR	spring 97	river
ektoparazi	10 MOR	spring 97	river
ektoparazi	2 MOR	spring 97	river
ektoparazi	2 MOR	spring 97	river
ektoparazi	4 MOR	spring 97	river

ektoparazi	2 MOR	spring 97	river
ektoparazi	2 MOR	spring 97	river
ektoparazi	8 MOR	spring 97	river
ektoparazi	12 MOR	spring 97	river
ektoparazi	12 MOR	spring 97	river
ektoparazi	2 MOR	spring 97	river
endoparaz	2 MOR	spring 97	river
ektoparazi	2 MOR	spring 97	river
ektoparazi	2 MOR	spring 97	river
ektoparazi	2 MOR	spring 97	river
ektoparazi	2 MOR	spring 97	river
ektoparazi	4 MOR	spring 97	river
ektoparazi	6 MOR	spring 97	river
ektoparazi	18 MOR	spring 97	river
ektoparazi	2 MOR	spring 97	river
ektoparazi	2 MOR	spring 97	river
ektoparazi	2 MOR	spring 97	river
ektoparazi	6 MOR	spring 97	river
endoparaz	1 MOR	spring 97	river
ektoparazi	2 MOR	autumn 97	river
endoparaz	4 MOR	autumn 97	river
ektoparazi	1 MOR	autumn 97	river
ektoparazi	1 MOR	autumn 97	river
ektoparazi	8 MOR	spring 98	river
endoparaz	2 MOR	spring 98	river
ektoparazi	26 MOR	spring 98	river
ektoparazi	2 MOR	spring 98	river
ektoparazi	7 MOR	spring 98	river
endoparaz	4 MOR	spring 98	river
ektoparazi	10 MOR	spring 98	river
ektoparazi	24 MOR	spring 98	river
ektoparazi	3 MOR	spring 98	river
ektoparazi	4 MOR	spring 98	river
ektoparazi	1 MOR	spring 98	river
ektoparazi	13 MOR	spring 98	river
ektoparazi	172 MOR	spring 98	river
ektoparazi	2 MOR	spring 98	river
ektoparazi	4 MOR	spring 98	river
ektoparazi	4 MOR	spring 98	river
ektoparazi	31 ROH	spring 97	gravel pit
ektoparazi	34 ROH	spring 97	gravel pit
ektoparazi	32 ROH	spring 97	gravel pit
endoparaz	1 ROH	spring 97	gravel pit
ektoparazi	6 ROH	spring 97	gravel pit
ektoparazi	105 ROH	spring 97	gravel pit
ektoparazi	4 ROH	spring 97	gravel pit
ektoparazi	20 ROH	spring 97	gravel pit
ektoparazi	4 ROH	spring 97	gravel pit
ektoparazi	74 ROH	spring 97	gravel pit
ektoparazi	10 ROH	spring 97	gravel pit
ektoparazi	2 ROH	spring 97	gravel pit
ektoparazi	2 ROH	spring 97	gravel pit
ektoparazi	12 ROH	spring 97	gravel pit
ektoparazi	4 ROH	spring 97	gravel pit
endoparaz	16 ROH	spring 97	gravel pit
ektoparazi	29 ROH	spring 97	gravel pit
ektoparazi	8 ROH	spring 97	gravel pit
ektoparazi	2 ROH	spring 97	gravel pit
ektoparazi	30 ROH	spring 97	gravel pit
ektoparazi	135 ROH	spring 97	gravel pit

ektoparazi	2 ROH	spring 97	gravel pit
ektoparazi	4 ROH	spring 97	gravel pit
ektoparazi	4 ROH	spring 97	gravel pit
ektoparazi	26 ROH	spring 97	gravel pit
ektoparazi	2 ROH	spring 97	gravel pit
endoparaz	6 ROH	spring 97	gravel pit
ektoparazi	8 ROH	spring 97	gravel pit
ektoparazi	69 ROH	spring 97	gravel pit
ektoparazi	2 ROH	spring 97	gravel pit
ektoparazi	6 ROH	spring 97	gravel pit
ektoparazi	2 ROH	spring 97	gravel pit
ektoparazi	8 ROH	spring 97	gravel pit
ektoparazi	19 ROH	spring 97	gravel pit
ektoparazi	4 ROH	spring 97	gravel pit
ektoparazi	2 ROH	spring 97	gravel pit
ektoparazi	4 ROH	spring 97	gravel pit
ektoparazi	2 ROH	spring 97	gravel pit
ektoparazi	27 ROH	spring 97	gravel pit
ektoparazi	4 ROH	spring 97	gravel pit
ektoparazi	2 ROH	spring 97	gravel pit
ektoparazi	11 ROH	spring 97	gravel pit
ektoparazi	2 ROH	spring 97	gravel pit
ektoparazi	4 ROH	spring 97	gravel pit
ektoparazi	4 ROH	spring 97	gravel pit
ektoparazi	177 ROH	spring 97	gravel pit
ektoparazi	4 ROH	spring 97	gravel pit
ektoparazi	6 ROH	spring 97	gravel pit
ektoparazi	6 ROH	spring 97	gravel pit
ektoparazi	6 ROH	spring 97	gravel pit
ektoparazi	2 ROH	spring 97	gravel pit
ektoparazi	8 ROH	spring 97	gravel pit
ektoparazi	1 ROH	spring 97	gravel pit
ektoparazi	10 ROH	spring 97	gravel pit
ektoparazi	2 ROH	autumn 97	gravel pit
endoparaz	2 ROH	autumn 97	gravel pit
ektoparazi	1 ROH	autumn 97	gravel pit
ektoparazi	1 ROH	autumn 97	gravel pit
ektoparazi	2 ROH	autumn 97	gravel pit
endoparaz	4 ROH	autumn 97	gravel pit
endoparaz	106 ROH	autumn 97	gravel pit
ektoparazi	5 ROH	autumn 97	gravel pit
endoparaz	2 ROH	autumn 97	gravel pit
ektoparazi	2 ROH	autumn 97	gravel pit
ektoparazi	1 ROH	autumn 97	gravel pit
endoparaz	2 ROH	autumn 97	gravel pit
endoparaz	4 ROH	autumn 97	gravel pit
ektoparazi	2 ROH	autumn 97	gravel pit
endoparaz	2 ROH	autumn 97	gravel pit
ektoparazi	1 ROH	autumn 97	gravel pit
ektoparazi	1 ROH	autumn 97	gravel pit
endoparaz	2 ROH	autumn 97	gravel pit
ektoparazi	1 ROH	autumn 97	gravel pit
ektoparazi	2 ROH	autumn 97	gravel pit
ektoparazi	2 ROH	autumn 97	gravel pit
endoparaz	2 ROH	autumn 97	gravel pit
ektoparazi	2 ROH	spring 98	gravel pit
ektoparazi	1 ROH	spring 98	gravel pit
ektoparazi	2 ROH	spring 98	gravel pit
ektoparazi	1 ROH	spring 98	gravel pit

ektoparazi	1 ROH	spring 98	gravel pit
ektoparazi	6 ROH	spring 98	gravel pit
ektoparazi	2 ROH	spring 98	gravel pit
ektoparazi	2 ROH	spring 98	gravel pit
ektoparazi	2 ROH	spring 98	gravel pit
ektoparazi	1 ROH	spring 98	gravel pit
ektoparazi	11 ROH	spring 98	gravel pit
ektoparazi	2 ROH	spring 98	gravel pit
ektoparazi	2 ROH	spring 98	gravel pit
ektoparazi	1 ROH	spring 98	gravel pit
ektoparazi	5 ROH	spring 98	gravel pit
ektoparazi	27 ROH	spring 98	gravel pit
ektoparazi	36 ROH	spring 98	gravel pit
ektoparazi	2 ROH	spring 98	gravel pit
ektoparazi	12 ROH	spring 98	gravel pit
ektoparazi	2 ROH	spring 98	gravel pit
ektoparazi	4 ROH	spring 98	gravel pit
ektoparazi	2 ROH	spring 98	gravel pit
endoparaz	2 ROH	spring 98	gravel pit
ektoparazi	4 SKA	spring 97	oxbow
ektoparazi	8 SKA	spring 97	oxbow
ektoparazi	12 SKA	spring 97	oxbow
ektoparazi	23 SKA	spring 97	oxbow
ektoparazi	6 SKA	spring 97	oxbow
ektoparazi	2 SKA	spring 97	oxbow
ektoparazi	4 SKA	spring 97	oxbow
ektoparazi	24 SKA	spring 97	oxbow
ektoparazi	6 SKA	spring 97	oxbow
ektoparazi	4 SKA	spring 97	oxbow
ektoparazi	55 SKA	spring 97	oxbow
ektoparazi	53 SKA	spring 97	oxbow
ektoparazi	8 SKA	spring 97	oxbow
ektoparazi	20 SKA	spring 97	oxbow
ektoparazi	2 SKA	spring 97	oxbow
ektoparazi	2 SKA	autumn 97	oxbow
ektoparazi	2 SKA	autumn 97	oxbow
ektoparazi	8 SKA	autumn 97	oxbow
ektoparazi	1 SKA	autumn 97	oxbow
ektoparazi	2 SKA	autumn 97	oxbow
ektoparazi	1 SKA	autumn 97	oxbow
endoparaz	4 SKA	autumn 97	oxbow
ektoparazi	2 SKA	autumn 97	oxbow
ektoparazi	4 SKA	autumn 97	oxbow
endoparaz	2 SKA	autumn 97	oxbow
ektoparazi	1 SKA	autumn 97	oxbow
ektoparazi	2 SKA	autumn 97	oxbow
endoparaz	2 SKA	autumn 97	oxbow
endoparaz	6 SKA	autumn 97	oxbow
endoparaz	6 SKA	autumn 97	oxbow
endoparaz	4 SKA	autumn 97	oxbow
endoparaz	1 SKA	autumn 97	oxbow
ektoparazi	2 SKA	autumn 97	oxbow
endoparaz	2 SKA	autumn 97	oxbow
endoparaz	2 SKA	autumn 97	oxbow
endoparaz	6 SKA	autumn 97	oxbow
ektoparazi	2 SKA	autumn 97	oxbow
ektoparazi	8 SKA	autumn 97	oxbow
endoparaz	2 SKA	autumn 97	oxbow
ektoparazi	1 SKA	autumn 97	oxbow

endoparaz	2 SKA	autumn 97	oxbow
ektoparazi	1 SKA	autumn 97	oxbow
ektoparazi	1 SKA	autumn 97	oxbow
ektoparazi	1 STR	spring 97	gravel pit
ektoparazi	2 STR	spring 97	gravel pit
ektoparazi	1 STR	spring 97	gravel pit
endoparaz	2 STR	spring 97	gravel pit
ektoparazi	1 STR	spring 97	gravel pit
ektoparazi	10 STR	spring 97	gravel pit
ektoparazi	2 STR	spring 97	gravel pit
ektoparazi	5 STR	spring 97	gravel pit
ektoparazi	4 STR	spring 97	gravel pit
ektoparazi	1 STR	spring 97	gravel pit
ektoparazi	6 STR	spring 97	gravel pit
ektoparazi	2 STR	spring 97	gravel pit
ektoparazi	1 STR	spring 97	gravel pit
ektoparazi	3 STR	spring 97	gravel pit
ektoparazi	8 STR	spring 97	gravel pit
ektoparazi	1 STR	spring 97	gravel pit
ektoparazi	4 STR	spring 97	gravel pit
ektoparazi	2 STR	autumn 97	gravel pit
ektoparazi	4 STR	autumn 97	gravel pit
ektoparazi	1 STR	autumn 97	gravel pit
ektoparazi	1 STR	autumn 97	gravel pit
endoparaz	6 STR	autumn 97	gravel pit
ektoparazi	7 STR	autumn 97	gravel pit
ektoparazi	2 STR	autumn 97	gravel pit
ektoparazi	8 STR	autumn 97	gravel pit
ektoparazi	4 STR	autumn 97	gravel pit
endoparaz	2 STR	autumn 97	gravel pit
ektoparazi	9 STR	autumn 97	gravel pit
ektoparazi	1 TVC	spring 97	oxbow
ektoparazi	10 TVC	spring 97	oxbow
ektoparazi	26 TVC	spring 97	oxbow
ektoparazi	1 TVC	spring 97	oxbow
endoparaz	2 TVC	spring 97	oxbow
ektoparazi	2 TVC	spring 97	oxbow
ektoparazi	4 TVC	spring 97	oxbow
ektoparazi	2 TVC	spring 97	oxbow
ektoparazi	2 TVC	spring 97	oxbow
ektoparazi	4 TVC	spring 97	oxbow
ektoparazi	2 TVC	spring 97	oxbow
ektoparazi	8 TVC	spring 97	oxbow
ektoparazi	4 TVC	spring 97	oxbow
ektoparazi	2 TVC	spring 97	oxbow
ektoparazi	2 TVC	spring 97	oxbow
ektoparazi	1 TVC	spring 97	oxbow
ektoparazi	1 TVC	spring 97	oxbow
ektoparazi	2 TVC	spring 97	oxbow
endoparaz	4 TVC	spring 97	oxbow
ektoparazi	4 TVC	spring 97	oxbow
endoparaz	2 TVC	spring 97	oxbow
ektoparazi	5 TVC	spring 97	oxbow
ektoparazi	2 TVC	spring 97	oxbow
ektoparazi	6 TVC	spring 97	oxbow
ektoparazi	1 TVC	spring 97	oxbow
ektoparazi	2 TVC	autumn 97	oxbow
ektoparazi	2 TVC	autumn 97	oxbow
ektoparazi	2 TVC	autumn 97	oxbow

ektoparazi	2 TVC	autumn 97	oxbow
ektoparazi	2 TVC	autumn 97	oxbow
endoparaz	30 TVC	autumn 97	oxbow
ektoparazi	2 TVC	autumn 97	oxbow
endoparaz	14 TVC	autumn 97	oxbow
endoparaz	8 TVC	autumn 97	oxbow
endoparaz	8 TVC	autumn 97	oxbow
endoparaz	12 TVC	autumn 97	oxbow
endoparaz	8 TVC	autumn 97	oxbow
endoparaz	6 TVC	autumn 97	oxbow
ektoparazi	1 TVC	autumn 97	oxbow
endoparaz	8 TVC	autumn 97	oxbow
ektoparazi	2 TVC	spring 98	oxbow
ektoparazi	1 TVC	spring 98	oxbow
ektoparazi	2 TVC	spring 98	oxbow
ektoparazi	1 TVC	spring 98	oxbow
ektoparazi	3 TVC	spring 98	oxbow
ektoparazi	2 TVC	spring 98	oxbow
ektoparazi	3 TVC	spring 98	oxbow
ektoparazi	1 TVC	spring 98	oxbow
ektoparazi	4 TVC	spring 98	oxbow
ektoparazi	1 TVC	spring 98	oxbow
ektoparazi	8 TVC	spring 98	oxbow
ektoparazi	21 TVC	spring 98	oxbow
ektoparazi	6 TVP	spring 97	oxbow
endoparaz	4 TVP	spring 97	oxbow
ektoparazi	12 TVP	spring 97	oxbow
endoparaz	12 TVP	spring 97	oxbow
ektoparazi	8 TVP	spring 97	oxbow
ektoparazi	1 TVP	spring 97	oxbow
ektoparazi	14 TVP	spring 97	oxbow
ektoparazi	4 TVP	spring 97	oxbow
ektoparazi	1 TVP	spring 97	oxbow
ektoparazi	1 TVP	spring 97	oxbow
ektoparazi	2 TVP	spring 97	oxbow
ektoparazi	2 TVP	autumn 97	oxbow
endoparaz	2 TVP	autumn 97	oxbow
endoparaz	4 TVP	autumn 97	oxbow
ektoparazi	96 TYM	spring 97	oxbow
ektoparazi	2 TYM	spring 97	oxbow
ektoparazi	12 TYM	spring 97	oxbow
ektoparazi	17 TYM	spring 97	oxbow
endoparaz	4 TYM	spring 97	oxbow
ektoparazi	2 TYM	spring 97	oxbow
endoparaz	2 TYM	spring 97	oxbow
ektoparazi	19 TYM	spring 97	oxbow
endoparaz	12 TYM	spring 97	oxbow
ektoparazi	13 TYM	spring 97	oxbow
ektoparazi	6 TYM	spring 97	oxbow
endoparaz	2 TYM	spring 97	oxbow
ektoparazi	7 TYM	spring 97	oxbow
ektoparazi	4 TYM	spring 97	oxbow
ektoparazi	2 TYM	spring 97	oxbow
ektoparazi	2 TYM	spring 97	oxbow
ektoparazi	4 TYM	spring 97	oxbow
ektoparazi	4 TYM	spring 97	oxbow
ektoparazi	5 TYM	spring 97	oxbow
ektoparazi	2 TYM	spring 97	oxbow
ektoparazi	2 TYM	spring 97	oxbow

ektoparazi	6 TYM	spring 97	oxbow
ektoparazi	2 TYM	autumn 97	oxbow
ektoparazi	1 TYM	autumn 97	oxbow
endoparaz	2 TYM	autumn 97	oxbow
endoparaz	2 TYM	autumn 97	oxbow
endoparaz	2 TYM	autumn 97	oxbow
ektoparazi	2 TYM	autumn 97	oxbow
ektoparazi	2 TYM	autumn 97	oxbow
ektoparazi	6 TYM	autumn 97	oxbow
endoparaz	2 TYM	autumn 97	oxbow
ektoparazi	6 TYM	autumn 97	oxbow
endoparaz	4 TYM	autumn 97	oxbow
ektoparazi	6 TYM	autumn 97	oxbow
ektoparazi	1 TYM	autumn 97	oxbow
endoparaz	4 TYM	autumn 97	oxbow
ektoparazi	4 TYM	autumn 97	oxbow
endoparaz	4 TYM	autumn 97	oxbow
endoparaz	4 TYM	autumn 97	oxbow
ektoparazi	6 TYM	autumn 97	oxbow
ektoparazi	1 TYM	spring 98	oxbow
ektoparazi	8 TYM	spring 98	oxbow
ektoparazi	8 TYM	spring 98	oxbow
ektoparazi	4 TYM	spring 98	oxbow
ektoparazi	1 TYM	spring 98	oxbow
ektoparazi	1 TYM	spring 98	oxbow
ektoparazi	1 TYM	spring 98	oxbow
ektoparazi	1 TYM	spring 98	oxbow
ektoparazi	4 TYM	spring 98	oxbow
ektoparazi	2 TYM	spring 98	oxbow
ektoparazi	2 TYV	spring 97	oxbow
ektoparazi	2 TYV	spring 97	oxbow
ektoparazi	2 TYV	spring 97	oxbow
ektoparazi	2 TYV	spring 97	oxbow
ektoparazi	2 TYV	spring 97	oxbow
ektoparazi	12 TYV	spring 97	oxbow
ektoparazi	3 TYV	spring 97	oxbow
ektoparazi	2 TYV	spring 97	oxbow
ektoparazi	2 TYV	spring 97	oxbow
ektoparazi	14 TYV	spring 97	oxbow
ektoparazi	8 TYV	spring 97	oxbow
ektoparazi	14 TYV	spring 97	oxbow
ektoparazi	4 TYV	spring 97	oxbow
ektoparazi	9 TYV	spring 97	oxbow
ektoparazi	2 TYV	spring 97	oxbow
ektoparazi	2 TYV	spring 97	oxbow
ektoparazi	2 TYV	spring 97	oxbow
ektoparazi	1 TYV	spring 97	oxbow
ektoparazi	4 TYV	spring 97	oxbow
ektoparazi	10 TYV	spring 97	oxbow
ektoparazi	4 TYV	spring 97	oxbow
ektoparazi	5 TYV	spring 97	oxbow
ektoparazi	1 TYV	spring 97	oxbow
ektoparazi	1 TYV	spring 97	oxbow
ektoparazi	4 TYV	spring 97	oxbow
ektoparazi	1 TYV	autumn 97	oxbow
	2 TYV	autumn 97	oxbow
ektoparazi	2 TYV	autumn 97	oxbow
ektoparazi	4 TYV	autumn 97	oxbow

endoparaz	8 TYV	autumn 97	oxbow
endoparaz	1 TYV	autumn 97	oxbow
ektoparazi	2 TYV	autumn 97	oxbow
ektoparazi	8 TYV	autumn 97	oxbow
ektoparazi	2 TYV	autumn 97	oxbow
endoparaz	2 TYV	autumn 97	oxbow
ektoparazi	2 TYV	autumn 97	oxbow
ektoparazi	6 TYV	autumn 97	oxbow
ektoparazi	2 TYV	autumn 97	oxbow
endoparaz	2 TYV	autumn 97	oxbow
ektoparazi	1 TYV	autumn 97	oxbow
ektoparazi	10 TYV	autumn 97	oxbow

hodnoty typu lokality

gravel pit
river
oxbow

Řazení vzorků

spring 97
autumn 97
spring 98

Lokalita

Vojkovice

Lokalita	Vojkovice	
Parazit	Počet parazitů	Log počtu
Acanthocephalus anguillae	7	1.9459101
Apophalus muhlingi	3	1.0986123
Caryophylaeus brachycolis	2	0.6931472
cysta	4	1.3862944
Dactylogyrus folkmanovae	78	4.3567088
Dactylogyrus juvenil	1	0
Dactylogyrus nanoides	1	0
Dactylogyrus similis	1	0
Dactylogyrus sp_	12	2.4849066
Dactylogyrus vistulae	285	5.6524892
Dactylogyrus vranoviensis	1	0
Diplostomum spathaceum	2	0.6931472
Gyrodactylus gracilihamatus	5	1.6094379
Gyrodactylus hemibarbi	6	1.7917595
Gyrodactylus kearni	4	1.3862944
Gyrodactylus laevis	7	1.9459101

Parazit																
Acanthocephalus anguilae	7															
Apophalus muhlingi	3															
Caryophyllaeus brachycolis	2															
cysta	4															
Dactylogyrus folkmanovae	78															
Dactylogyrus juvenil	1															
Dactylogyrus nanooides	1															
Dactylogyrus similis	1															
Dactylogyrus sp_	12															
Dactylogyrus vistulae	285															
Dactylogyrus vranoviensis	1															
Diplostomum spathaceum	2															
Gyrodactylus gracilhamatus	5															
Gyrodactylus hemibarbi	6															
Gyrodactylus kearni	4															
Gyrodactylus laevis	7															
Počet parazitů	7	3	2	4	78	1	1	1	12	285	1	2	5	6	4	7
Log počtu	1.9	1.1	0.7	1.4	4.4	0	0	0	2.5	5.7	0	0.7	1.6	1.8	1.4	1.9

CisloRyby	taxon	ParazitCelyNazev	ParazitZkratka
97	Monogenea	Gyrodactylus sp.	Gsp
97	Monogenea	Paradiplozoon homoion	PH
97	acanthocephala	Acanthocephallus lucii (Müller, 1776)	AcI
98	Crustacea	Lernaea cyprinacea Linneaus, 1758	LER
98	Monogenea	Paradiplozoon homoion	PH
99	Monogenea	Paradiplozoon homoion	PH
100	Monogenea	D. rutili Gläser, 1965	Drut
100	Monogenea	D. crucifer Wagener, 1857	Dcru
100	Monogenea	Paradiplozoon homoion	PH
101	Monogenea	D. crucifer Wagener, 1857	Dcru
101	Monogenea	D. nanus Dogiel et Bychowsky, 1934	Dnan
101	Monogenea	Paradiplozoon homoion	PH
102	Monogenea	D. cabaleroi	Dcab
102	Monogenea	D. crucifer Wagener, 1857	Dcru
102	Monogenea	Paradiplozoon homoion	PH
103	Monogenea	D. crucifer Wagener, 1857	Dcru
103	Crustacea	Argulus foliaceus (Linnaeus, 1758)	AF
103	Monogenea	Paradiplozoon homoion	PH
104	Monogenea	D. nanus Dogiel et Bychowsky, 1934	Dnan
104	Monogenea	Paradiplozoon homoion	PH
105	Monogenea	Gyrodactylus sp.	Gsp
105	Monogenea	D. fallax Wagener, 1857	Dfal
105	Monogenea	D. crucifer Wagener, 1857	Dcru
105	Monogenea	Paradiplozoon homoion	PH
105	digenea	Apophallus mühlingsi Jägerskiöld, 1899	Apmuhl
106	Monogenea	Gyrodactylus sp.	Gsp
106	Monogenea	Paradiplozoon homoion	PH
107	Anodonta	Glochidium sp.	Glo
107	Monogenea	Paradiplozoon homoion	PH
107	nematoda	Philometra sp.	Philomsp
108	Monogenea	D. rutili Gläser, 1965	Drut
108	Monogenea	Paradiplozoon homoion	PH
108	digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
108	Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
108	nematoda	Philometra sp.	Philomsp
109	Monogenea	Gyrodactylus sp.	Gsp
109	Monogenea	D. nanus Dogiel et Bychowsky, 1934	Dnan
109	Monogenea	Paradiplozoon homoion	PH
109	digenea	Apophallus mühlingsi Jägerskiöld, 1899	Apmuhl
109	nematoda	Philometra sp.	Philomsp
110	Monogenea	Gyrodactylus sp.	Gsp
110	Monogenea	D. crucifer Wagener, 1857	Dcru
110	Monogenea	Paradiplozoon homoion	PH
110	Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
110	nematoda	Philometra sp.	Philomsp
250	Monogenea	D. crucifer Wagener, 1857	Dcru
250	Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
251	Crustacea	Argulus foliaceus (Linnaeus, 1758)	AF
251	Crustacea	Lernaea cyprinacea Linneaus, 1758	LER
254	Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
256	Monogenea	Paradiplozoon homoion	PH
257	Monogenea	D. rutili Gläser, 1965	Drut
257	Monogenea	D. crucifer Wagener, 1857	Dcru
257	Monogenea	Paradiplozoon homoion	PH
257	digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
257	digenea	Tylodelphys clavata (Nordmann, 1832)	TC
257	Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
259	Crustacea	Argulus foliaceus (Linnaeus, 1758)	AF

259 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
260 Monogenea	Paradiplozoon homoion	PH
260 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
261 Monogenea	Paradiplozoon homoion	PH
261 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
262 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
263 Monogenea	Gyrodactylus sp.	Gsp
263 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
355 Monogenea	Gyrodactylus sp.	Gsp
355 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
63 Anodonta	Glochidium sp.	Glo
63 Monogenea	Gyrodactylus sp.	Gsp
63 Monogenea	D. similis Wagener, 1909	Dsim
63 Monogenea	D. fallax Wagener, 1857	Dfal
63 Monogenea	D. crucifer Wagener, 1857	Dcru
63 Monogenea	D. nanus Dogiel et Bychowsky, 1934	Dnan
64 Anodonta	Glochidium sp.	Glo
64 Monogenea	Gyrodactylus sp.	Gsp
64 Monogenea	D. fallax Wagener, 1857	Dfal
64 Monogenea	D. cabaleroi	Dcab
64 Monogenea	D. crucifer Wagener, 1857	Dcru
235 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
235 Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
236 Monogenea	D. suecicus Nybelin, 1937	Dsue
236 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
236 digenea	Tylodelphys clavata (Nordmann, 1832)	TC
238 Monogenea	D. suecicus Nybelin, 1937	Dsue
244 Monogenea	Gyrodactylus sp.	Gsp
244 digenea	Apophallus mülhlingi Jägerskiöld, 1899	Apmuhl
245 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
246 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
247 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
247 digenea	Apophallus mülhlingi Jägerskiöld, 1899	Apmuhl
249 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
111 Monogenea	Gyrodactylus sp.	Gsp
112 Monogenea	Gyrodactylus sp.	Gsp
112 Monogenea	D. crucifer Wagener, 1857	Dcru
112 Monogenea	Paradiplozoon homoion	PH
112 digenea	Apophallus mülhlingi Jägerskiöld, 1899	Apmuhl
113 Monogenea	D. crucifer Wagener, 1857	Dcru
114 Monogenea	Gyrodactylus sp.	Gsp
114 Monogenea	D. fallax Wagener, 1857	Dfal
114 Monogenea	D. crucifer Wagener, 1857	Dcru
114 Monogenea	D. sphyrna Linstow, 1878	Dsph
114 Crustacea	Argulus foliaceus (Linnaeus, 1758)	AF
115 Monogenea	Gyrodactylus sp.	Gsp
115 Monogenea	D. fallax Wagener, 1857	Dfal
115 Monogenea	D. crucifer Wagener, 1857	Dcru
116 Monogenea	Gyrodactylus sp.	Gsp
116 Monogenea	D. rutili Gläser, 1965	Drut
116 Monogenea	D. fallax Wagener, 1857	Dfal
116 Monogenea	D. crucifer Wagener, 1857	Dcru
117 Monogenea	Gyrodactylus sp.	Gsp
117 Monogenea	D. fallax Wagener, 1857	Dfal
117 Monogenea	D. crucifer Wagener, 1857	Dcru
117 Monogenea	D. sphyrna Linstow, 1878	Dsph
118 Monogenea	Gyrodactylus sp.	Gsp
118 Monogenea	D. suecicus Nybelin, 1937	Dsue
118 Monogenea	D. rarissimus Gusev, 1966	Drari

118 Monogenea	<i>D. rutili</i> Gläser, 1965	Drut
118 Monogenea	<i>D. fallax</i> Wagener, 1857	Dfal
118 Monogenea	<i>D. crucifer</i> Wagener, 1857	Dcru
118 Monogenea	<i>D. sphyrna</i> Linstow, 1878	Dsph
119 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
119 Monogenea	<i>D. fallax</i> Wagener, 1857	Dfal
119 Monogenea	<i>D. crucifer</i> Wagener, 1857	Dcru
120 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
120 Monogenea	<i>D. fallax</i> Wagener, 1857	Dfal
120 Monogenea	<i>D. cabaleroi</i>	Dcab
120 Monogenea	<i>D. crucifer</i> Wagener, 1857	Dcru
120 Cestoda	<i>Caryophyllaeides fennica</i> (Schneider, 1902)	Carfen
120 digenea	<i>Apophallus mühlingi</i> Jägerskiöld, 1899	Apmuhl
121 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
121 Monogenea	<i>D. fallax</i> Wagener, 1857	Dfal
121 Monogenea	<i>D. cabaleroi</i>	Dcab
121 Monogenea	<i>D. crucifer</i> Wagener, 1857	Dcru
122 Anodonta	<i>Glochidium</i> sp.	Glo
122 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
122 Monogenea	<i>D. rutili</i> Gläser, 1965	Drut
122 Monogenea	<i>D. fallax</i> Wagener, 1857	Dfal
122 Monogenea	<i>D. crucifer</i> Wagener, 1857	Dcru
281 Monogenea	<i>D. nanus</i> Dogiel et Bychowsky, 1934	Dnan
284 Monogenea	<i>D. crucifer</i> Wagener, 1857	Dcru
284 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
287 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
288 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
292 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
292 Monogenea	<i>D. rutili</i> Gläser, 1965	Drut
292 Monogenea	<i>D. nanus</i> Dogiel et Bychowsky, 1934	Dnan
292 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
292 Cestoda	<i>Caryophyllaeides fennica</i> (Schneider, 1902)	Carfen
294 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
376 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
378 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
381 Monogenea	<i>Paradiplozoon homoion</i>	PH
381 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
382 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
383 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
383 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
76 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
76 Monogenea	<i>Paradiplozoon homoion</i>	PH
77 Monogenea	<i>D. fallax</i> Wagener, 1857	Dfal
77 Monogenea	<i>Paradiplozoon homoion</i>	PH
78 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
78 Monogenea	<i>D. sphyrna</i> Linstow, 1878	Dsph
78 Cestoda	<i>Caryophyllaeides fennica</i> (Schneider, 1902)	Carfen
80 Monogenea	<i>Paradiplozoon homoion</i>	PH
81 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
81 digenea	<i>Apophallus mühlingi</i> Jägerskiöld, 1899	Apmuhl
83 Crustacea	<i>Argulus foliaceus</i> (Linnaeus, 1758)	AF
83 Crustacea	<i>Ergasilus sieboldi</i> Nordmann, 1832	ES
84 nematoda	<i>Philometra</i> sp.	Philomsp
279 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
48 Monogenea	<i>D. rutili</i> Gläser, 1965	Drut
48 Monogenea	<i>D. crucifer</i> Wagener, 1857	Dcru
50 Monogenea	<i>D. rutili</i> Gläser, 1965	Drut
51 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
52 Monogenea	<i>Gyrodactylus</i> sp.	Gsp

52 Monogenea	<i>D. suecicus</i> Nybelin, 1937	Dsue
52 Monogenea	<i>D. similis</i> Wegener, 1909	Dsim
52 Monogenea	<i>D. crucifer</i> Wagener, 1857	Dcru
52 Monogenea	<i>D. sphyrna</i> Linstow, 1878	Dsph
52 acanthocephala	<i>Acanthocephallus lucii</i> (Müller, 1776)	Acl
53 Monogenea	<i>D. rutili</i> Gläser, 1965	Drut
53 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
53 acanthocephala	<i>Acanthocephallus lucii</i> (Müller, 1776)	Acl
54 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
54 Monogenea	<i>D. crucifer</i> Wagener, 1857	Dcru
54 Monogenea	<i>D. nanus</i> Dogiel et Bychowsky, 1934	Dnan
55 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
55 Monogenea	<i>D. rutili</i> Gläser, 1965	Drut
55 Monogenea	<i>D. nanus</i> Dogiel et Bychowsky, 1934	Dnan
56 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
56 Monogenea	<i>D. similis</i> Wegener, 1909	Dsim
56 Monogenea	<i>D. rutili</i> Gläser, 1965	Drut
56 Monogenea	<i>D. nanus</i> Dogiel et Bychowsky, 1934	Dnan
56 digenea	<i>Digenea larv.</i> sp.	digl
57 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
57 Monogenea	<i>D. sphyrna</i> Linstow, 1878	Dsph
58 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
58 Monogenea	<i>D. rutili</i> Gläser, 1965	Drut
59 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
60 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
60 Monogenea	<i>D. nanus</i> Dogiel et Bychowsky, 1934	Dnan
60 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
61 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
62 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
62 Monogenea	<i>D. crucifer</i> Wagener, 1857	Dcru
62 Monogenea	<i>D. nanus</i> Dogiel et Bychowsky, 1934	Dnan
151 Monogenea	<i>D. nanus</i> Dogiel et Bychowsky, 1934	Dnan
152 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
157 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
158 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
158 digenea	<i>Tylodelphys clavata</i> (Nordmann, 1832)	TC
161 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
162 Monogenea	<i>D. crucifer</i> Wagener, 1857	Dcru
163 Monogenea	<i>Paradiplozoon homoion</i>	PH
163 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
164 Monogenea	<i>Paradiplozoon homoion</i>	PH
167 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
169 Monogenea	<i>Dactylogyrus</i> sp.	Dsp
169 Monogenea	<i>D. crucifer</i> Wagener, 1857	Dcru
170 Crustacea	<i>Ergasilus sieboldi</i> Nordmann, 1832	ES
336 Anodonta	<i>Glochidium</i> sp.	Glo
336 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
337 Anodonta	<i>Glochidium</i> sp.	Glo
337 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
338 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
339 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
340 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
340 Crustacea	<i>Argulus foliaceus</i> (Linnaeus, 1758)	AF
341 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
342 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
343 Anodonta	<i>Glochidium</i> sp.	Glo
343 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
344 Anodonta	<i>Glochidium</i> sp.	Glo
344 Monogenea	<i>Gyrodactylus</i> sp.	Gsp

344 Monogenea	<i>D. suecicus</i> Nybelin, 1937	Dsue
344 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
345 Anodonta	<i>Glochidium</i> sp.	Glo
345 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
345 Monogenea	<i>D. suecicus</i> Nybelin, 1937	Dsue
345 Monogenea	<i>D. nanus</i> Dogiel et Bychowsky, 1934	Dnan
345 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
345 digenea	<i>Posthodiplostomum cuticola</i> (Nordmann, 1832	PoC
346 Anodonta	<i>Glochidium</i> sp.	Glo
346 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
346 Monogenea	<i>D. crucifer</i> Wagener, 1857	Dcru
346 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
347 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
347 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
348 Monogenea	<i>Dactylogyrus</i> sp.	Dsp
348 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
349 Anodonta	<i>Glochidium</i> sp.	Glo
349 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
349 Monogenea	<i>D. rutili</i> Gläser, 1965	Drut
349 Monogenea	<i>D. nanus</i> Dogiel et Bychowsky, 1934	Dnan
349 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
350 Anodonta	<i>Glochidium</i> sp.	Glo
350 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
350 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
351 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
351 Monogenea	<i>D. suecicus</i> Nybelin, 1937	Dsue
351 Monogenea	<i>D. rarissimus</i> Gusev, 1966	Drari
351 Monogenea	<i>D. rutili</i> Gläser, 1965	Drut
351 Monogenea	<i>D. nanus</i> Dogiel et Bychowsky, 1934	Dnan
352 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
352 Monogenea	<i>D. suecicus</i> Nybelin, 1937	Dsue
352 Monogenea	<i>D. nanus</i> Dogiel et Bychowsky, 1934	Dnan
353 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
353 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
123 Monogenea	<i>D. cabaleroi</i>	Dcab
123 Monogenea	<i>D. crucifer</i> Wagener, 1857	Dcru
124 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
124 Monogenea	<i>Dactylogyrus</i> sp.	Dsp
124 Monogenea	<i>D. suecicus</i> Nybelin, 1937	Dsue
124 Monogenea	<i>D. rutili</i> Gläser, 1965	Drut
124 Monogenea	<i>D. crucifer</i> Wagener, 1857	Dcru
124 Cestoda	<i>Caryophyllaeides fennica</i> (Schneider, 1902)	Carfen
125 Monogenea	<i>D. suecicus</i> Nybelin, 1937	Dsue
125 Monogenea	<i>D. cabaleroi</i>	Dcab
125 Monogenea	<i>D. crucifer</i> Wagener, 1857	Dcru
127 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
127 Monogenea	<i>Paradiplozoon homoion</i>	PH
127 Cestoda	<i>Caryophyllaeides fennica</i> (Schneider, 1902)	Carfen
128 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
128 Monogenea	<i>Dactylogyrus</i> sp.	Dsp
128 Monogenea	<i>D. rutili</i> Gläser, 1965	Drut
128 Monogenea	<i>D. nanus</i> Dogiel et Bychowsky, 1934	Dnan
129 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
129 Monogenea	<i>D. rutili</i> Gläser, 1965	Drut
129 Monogenea	<i>D. cabaleroi</i>	Dcab
129 Monogenea	<i>D. crucifer</i> Wagener, 1857	Dcru
129 Monogenea	<i>D. nanus</i> Dogiel et Bychowsky, 1934	Dnan
130 Monogenea	<i>Dactylogyrus</i> sp.	Dsp
130 Monogenea	<i>D. crucifer</i> Wagener, 1857	Dcru

130 Monogenea	<i>D. nanus</i> Dogiel et Bychowsky, 1934	Dnan
131 Anodonta	<i>Glochidium</i> sp.	Glo
131 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
131 Monogenea	<i>D. rutili</i> Gläser, 1965	Drut
131 Monogenea	<i>D. crucifer</i> Wagener, 1857	Dcru
131 Monogenea	<i>D. nanus</i> Dogiel et Bychowsky, 1934	Dnan
131 Cestoda	<i>Caryophyllaeides fennica</i> (Schneider, 1902)	Carfen
132 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
132 Monogenea	<i>Dactylogyrus</i> sp.	Dsp
132 Monogenea	<i>D. crucifer</i> Wagener, 1857	Dcru
133 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
133 Monogenea	<i>D. suecicus</i> Nybelin, 1937	Dsue
133 Monogenea	<i>D. crucifer</i> Wagener, 1857	Dcru
133 Monogenea	<i>D. nanus</i> Dogiel et Bychowsky, 1934	Dnan
134 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
134 Monogenea	<i>D. suecicus</i> Nybelin, 1937	Dsue
134 Monogenea	<i>D. crucifer</i> Wagener, 1857	Dcru
134 nematoda	<i>Philometra</i> sp.	Philomsp
296 Monogenea	<i>D. rutili</i> Gläser, 1965	Drut
296 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
299 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
300 Crustacea	<i>Lernaea cyprinacea</i> Linnaeus, 1758	LER
367 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
367 Cestoda	<i>Caryophyllaeides fennica</i> (Schneider, 1902)	Carfen
368 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
368 Monogenea	<i>Dactylogyrus</i> sp.	Dsp
369 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
369 Cestoda	<i>Caryophyllaeides fennica</i> (Schneider, 1902)	Carfen
370 Anodonta	<i>Glochidium</i> sp.	Glo
370 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
371 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
371 Monogenea	<i>D. suecicus</i> Nybelin, 1937	Dsue
372 Anodonta	<i>Glochidium</i> sp.	Glo
372 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
373 Anodonta	<i>Glochidium</i> sp.	Glo
373 Monogenea	<i>D. rutili</i> Gläser, 1965	Drut
373 Monogenea	<i>D. cabaleroi</i>	Dcab
373 Monogenea	<i>D. nanus</i> Dogiel et Bychowsky, 1934	Dnan
86 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
86 Monogenea	<i>D. fallax</i> Wagener, 1857	Dfal
86 Monogenea	<i>D. crucifer</i> Wagener, 1857	Dcru
86 acanthocephala	<i>Acanthocephallus lucii</i> (Müller, 1776)	Acl
87 Anodonta	<i>Glochidium</i> sp.	Glo
87 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
87 Monogenea	<i>D. fallax</i> Wagener, 1857	Dfal
87 Monogenea	<i>D. crucifer</i> Wagener, 1857	Dcru
88 Anodonta	<i>Glochidium</i> sp.	Glo
88 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
88 Monogenea	<i>D. rutili</i> Gläser, 1965	Drut
88 Monogenea	<i>D. fallax</i> Wagener, 1857	Dfal
88 Monogenea	<i>D. cabaleroi</i>	Dcab
88 Monogenea	<i>D. crucifer</i> Wagener, 1857	Dcru
88 Monogenea	<i>D. sphyrna</i> Linstow, 1878	Dsph
88 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
89 Monogenea	<i>Gyrodactylus</i> sp.	Gsp
89 Monogenea	<i>D. fallax</i> Wagener, 1857	Dfal
89 Monogenea	<i>D. crucifer</i> Wagener, 1857	Dcru
90 Anodonta	<i>Glochidium</i> sp.	Glo
90 Monogenea	<i>Gyrodactylus</i> sp.	Gsp

90 Monogenea	D. suecicus Nybelin, 1937	Dsue
90 Monogenea	D. rutili Gläser, 1965	Drut
90 Monogenea	D. fallax Wagener, 1857	Dfal
90 Monogenea	D. crucifer Wagener, 1857	Dcru
90 Monogenea	D. sphyrna Linstow, 1878	Dsph
90 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
91 Anodonta	Glochidium sp.	Glo
91 Monogenea	Gyrodactylus sp.	Gsp
91 Monogenea	D. fallax Wagener, 1857	Dfal
91 Monogenea	D. crucifer Wagener, 1857	Dcru
91 Monogenea	D. sphyrna Linstow, 1878	Dsph
92 Anodonta	Glochidium sp.	Glo
92 Monogenea	Gyrodactylus sp.	Gsp
92 Monogenea	D. rutili Gläser, 1965	Drut
92 Monogenea	D. fallax Wagener, 1857	Dfal
92 Monogenea	D. crucifer Wagener, 1857	Dcru
92 Monogenea	D. nanus Dogiel et Bychowsky, 1934	Dnan
93 Monogenea	Gyrodactylus sp.	Gsp
93 Monogenea	D. suecicus Nybelin, 1937	Dsue
93 Monogenea	D. sphyrna Linstow, 1878	Dsph
94 Monogenea	Gyrodactylus sp.	Gsp
94 Monogenea	D. fallax Wagener, 1857	Dfal
94 Monogenea	D. cabaleroi	Dcab
94 Monogenea	D. crucifer Wagener, 1857	Dcru
95 Monogenea	Gyrodactylus sp.	Gsp
95 Monogenea	D. fallax Wagener, 1857	Dfal
95 Monogenea	D. crucifer Wagener, 1857	Dcru
96 Monogenea	Gyrodactylus sp.	Gsp
96 Monogenea	Dactylogyrus sp.	Dsp
96 Monogenea	D. cabaleroi	Dcab
96 Monogenea	D. crucifer Wagener, 1857	Dcru
96 Crustacea	Argulus foliaceus (Linnaeus, 1758)	AF
96 Crustacea	Lernaea cyprinacea Linnaeus, 1758	LER
218 Monogenea	Paradiplozoon homoion	PH
220 Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
221 Crustacea	Argulus foliaceus (Linnaeus, 1758)	AF
221 Crustacea	Lernaea cyprinacea Linnaeus, 1758	LER
221 Monogenea	Paradiplozoon homoion	PH
223 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
223 digenea	Tylodelphys clavata (Nordmann, 1832)	TC
225 Monogenea	Paradiplozoon homoion	PH
225 digenea	Tylodelphys clavata (Nordmann, 1832)	TC
227 Monogenea	Paradiplozoon homoion	PH
228 Monogenea	Paradiplozoon homoion	PH
228 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
228 digenea	Tylodelphys clavata (Nordmann, 1832)	TC
229 Monogenea	Paradiplozoon homoion	PH
229 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
230 Monogenea	Paradiplozoon homoion	PH
231 Crustacea	Lernaea cyprinacea Linnaeus, 1758	LER
231 digenea	Tylodelphys clavata (Nordmann, 1832)	TC
233 Crustacea	Argulus foliaceus (Linnaeus, 1758)	AF
233 Monogenea	Paradiplozoon homoion	PH
234 Monogenea	Paradiplozoon homoion	PH
234 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
356 Monogenea	D. rutili Gläser, 1965	Drut
357 Monogenea	Gyrodactylus sp.	Gsp
358 Monogenea	D. suecicus Nybelin, 1937	Dsue
359 Anodonta	Glochidium sp.	Glo

359 Monogenea	Gyrodactylus sp.	Gsp
359 Monogenea	Dactylogyrus sp.	Dsp
359 Monogenea	D. suecicus Nybelin, 1937	Dsue
359 Monogenea	D. cabaleroi	Dcab
359 Monogenea	D. nanus Dogiel et Bychowsky, 1934	Dnan
359 Monogenea	Paradiplozoon homoion	PH
360 Monogenea	Gyrodactylus sp.	Gsp
360 Monogenea	Dactylogyrus sp.	Dsp
360 Monogenea	D. cabaleroi	Dcab
362 Monogenea	Gyrodactylus sp.	Gsp
363 Monogenea	Gyrodactylus sp.	Gsp
364 Monogenea	Gyrodactylus sp.	Gsp
365 Monogenea	Gyrodactylus sp.	Gsp
365 Monogenea	D. crucifer Wagener, 1857	Dcru
366 Monogenea	Gyrodactylus sp.	Gsp
366 Monogenea	Dactylogyrus sp.	Dsp
366 Monogenea	D. similis Wegener, 1909	Dsim
366 Monogenea	D. fallax Wagener, 1857	Dfal
366 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
40 Monogenea	Gyrodactylus sp.	Gsp
40 Monogenea	D. similis Wegener, 1909	Dsim
41 Anodonta	Glochidium sp.	Glo
41 Monogenea	Gyrodactylus sp.	Gsp
41 Monogenea	D. crucifer Wagener, 1857	Dcru
41 Monogenea	D. nanus Dogiel et Bychowsky, 1934	Dnan
42 Anodonta	Glochidium sp.	Glo
42 Monogenea	Gyrodactylus sp.	Gsp
43 Monogenea	Gyrodactylus sp.	Gsp
44 Monogenea	Gyrodactylus sp.	Gsp
45 Anodonta	Glochidium sp.	Glo
45 Monogenea	Gyrodactylus sp.	Gsp
45 Monogenea	D. suecicus Nybelin, 1937	Dsue
45 Monogenea	D. crucifer Wagener, 1857	Dcru
46 Monogenea	Gyrodactylus sp.	Gsp
203 Monogenea	D. suecicus Nybelin, 1937	Dsue
203 Monogenea	D. rutili Gläser, 1965	Drut
203 Monogenea	D. crucifer Wagener, 1857	Dcru
205 Crustacea	Argulus foliaceus (Linnaeus, 1758)	AF
205 Monogenea	Paradiplozoon homoion	PH
206 Crustacea	Lernaea cyprinacea Linnaeus, 1758	LER
206 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
207 Monogenea	Dactylogyrus sp.	Dsp
207 Monogenea	D. crucifer Wagener, 1857	Dcru
207 Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
209 Crustacea	Lernaea cyprinacea Linnaeus, 1758	LER
209 Monogenea	Paradiplozoon homoion	PH
209 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
210 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
210 Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
210 acanthocephala	Acanthocephallus lucii (Müller, 1776)	Acl
210 digenea	Digenea larv. sp.	digl
211 Monogenea	D. suecicus Nybelin, 1937	Dsue
211 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
211 Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
212 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
214 Monogenea	D. crucifer Wagener, 1857	Dcru
214 Crustacea	Lernaea cyprinacea Linnaeus, 1758	LER
214 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
215 Crustacea	Argulus foliaceus (Linnaeus, 1758)	AF

216 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
217 Monogenea	Gyrodactylus sp.	Gsp
217 Crustacea	Argulus foliaceus (Linnaeus, 1758)	AF
65 Anodonta	Glochidium sp.	Glo
65 Monogenea	Gyrodactylus sp.	Gsp
66 Monogenea	Gyrodactylus sp.	Gsp
66 Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
67 Monogenea	Gyrodactylus sp.	Gsp
68 Anodonta	Glochidium sp.	Glo
68 Monogenea	Gyrodactylus sp.	Gsp
70 Monogenea	Gyrodactylus sp.	Gsp
70 Monogenea	D. sphyrna Linstow, 1878	Dsph
71 Anodonta	Glochidium sp.	Glo
71 Monogenea	Gyrodactylus sp.	Gsp
71 Monogenea	D. fallax Wagener, 1857	Dfal
74 Anodonta	Glochidium sp.	Glo
74 Monogenea	Gyrodactylus sp.	Gsp
74 Monogenea	D. crucifer Wagener, 1857	Dcru
75 Crustacea	Argulus foliaceus (Linnaeus, 1758)	AF
75 Monogenea	Paradiplozoon homoion	PH
265 Monogenea	D. crucifer Wagener, 1857	Dcru
265 Monogenea	Paradiplozoon homoion	PH
267 annelida	Piscicola geometra (Linnaeus, 1761)	PiG
268 Crustacea	Argulus foliaceus (Linnaeus, 1758)	AF
268 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
269 Monogenea	Paradiplozoon homoion	PH
270 Monogenea	D. rutili Gläser, 1965	Drut
270 Monogenea	Paradiplozoon homoion	PH
271 Monogenea	Paradiplozoon homoion	PH
275 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
276 Monogenea	Paradiplozoon homoion	PH
11 Anodonta	Glochidium sp.	Glo
11 Monogenea	D. fallax Wagener, 1857	Dfal
11 Monogenea	D. crucifer Wagener, 1857	Dcru
12 Crustacea	Argulus foliaceus (Linnaeus, 1758)	AF
12 Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
13 Anodonta	Glochidium sp.	Glo
13 Monogenea	D. rutili Gläser, 1965	Drut
13 Crustacea	Argulus foliaceus (Linnaeus, 1758)	AF
14 Monogenea	D. suecicus Nybelin, 1937	Dsue
14 Monogenea	D. similis Wegener, 1909	Dsim
14 Monogenea	D. fallax Wagener, 1857	Dfal
14 Monogenea	D. crucifer Wagener, 1857	Dcru
15 Monogenea	D. suecicus Nybelin, 1937	Dsue
15 Monogenea	D. similis Wegener, 1909	Dsim
15 Monogenea	D. rutili Gläser, 1965	Drut
16 Crustacea	Argulus foliaceus (Linnaeus, 1758)	AF
17 Monogenea	Gyrodactylus sp.	Gsp
17 Monogenea	D. crucifer Wagener, 1857	Dcru
18 Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
19 Monogenea	D. similis Wegener, 1909	Dsim
19 Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
21 Anodonta	Glochidium sp.	Glo
21 Monogenea	D. suecicus Nybelin, 1937	Dsue
21 Monogenea	D. fallax Wagener, 1857	Dfal
21 Crustacea	Argulus foliaceus (Linnaeus, 1758)	AF
135 Monogenea	D. suecicus Nybelin, 1937	Dsue
135 Monogenea	D. crucifer Wagener, 1857	Dcru
135 Monogenea	D. sphyrna Linstow, 1878	Dsph

136 Monogenea	Gyrodactylus sp.	Gsp
136 Monogenea	<i>D. crucifer</i> Wagener, 1857	Dcru
137 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
138 Monogenea	<i>D. rutili</i> Gläser, 1965	Drut
139 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
140 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
141 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
143 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
144 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
145 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
146 Monogenea	Gyrodactylus sp.	Gsp
146 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
307 Monogenea	Gyrodactylus sp.	Gsp
307 Crustacea	<i>Argulus foliaceus</i> (Linnaeus, 1758)	AF
309 Monogenea	Gyrodactylus sp.	Gsp
310 Monogenea	Gyrodactylus sp.	Gsp
311 Monogenea	Gyrodactylus sp.	Gsp
311 Crustacea	<i>Argulus foliaceus</i> (Linnaeus, 1758)	AF
314 Monogenea	Gyrodactylus sp.	Gsp
314 Crustacea	<i>Argulus foliaceus</i> (Linnaeus, 1758)	AF
315 Monogenea	Gyrodactylus sp.	Gsp
315 Crustacea	<i>Argulus foliaceus</i> (Linnaeus, 1758)	AF
317 Monogenea	Gyrodactylus sp.	Gsp
319 Monogenea	Gyrodactylus sp.	Gsp
2 Monogenea	<i>Paradiplozoon homoion</i>	PH
2 Cestoda	<i>Caryophyllaeides fennica</i> (Schneider, 1902)	Carfen
3 Monogenea	<i>Paradiplozoon homoion</i>	PH
3 Cestoda	<i>Caryophyllaeides fennica</i> (Schneider, 1902)	Carfen
5 Monogenea	<i>D. rutili</i> Gläser, 1965	Drut
8 Crustacea	<i>Argulus foliaceus</i> (Linnaeus, 1758)	AF
8 Monogenea	<i>Paradiplozoon homoion</i>	PH
9 Monogenea	<i>D. fallax</i> Wagener, 1857	Dfal
9 Crustacea	<i>Argulus foliaceus</i> (Linnaeus, 1758)	AF
10 Crustacea	<i>Argulus foliaceus</i> (Linnaeus, 1758)	AF
10 Monogenea	<i>Paradiplozoon homoion</i>	PH
150 Monogenea	<i>D. rarissimus</i> Gusev, 1966	Drari
150 digenea	<i>Diplostomum spathaceum</i> (Rudolphi, 1819)	DS
150 Cestoda	<i>Caryophyllaeides fennica</i> (Schneider, 1902)	Carfen
30 Monogenea	Gyrodactylus sp.	Gsp
30 Monogenea	<i>D. suecicus</i> Nybelin, 1937	Dsue
30 Monogenea	<i>D. similis</i> Wegener, 1909	Dsim
31 Crustacea	<i>Lernaea cyprinacea</i> Linnaeus, 1758	LER
31 Cestoda	<i>Caryophyllaeides fennica</i> (Schneider, 1902)	Carfen
32 Monogenea	<i>D. crucifer</i> Wagener, 1857	Dcru
32 Cestoda	<i>Caryophyllaeides fennica</i> (Schneider, 1902)	Carfen
33 Monogenea	Gyrodactylus sp.	Gsp
33 Cestoda	<i>Caryophyllaeides fennica</i> (Schneider, 1902)	Carfen
34 Monogenea	Gyrodactylus sp.	Gsp
34 Monogenea	<i>D. similis</i> Wegener, 1909	Dsim
34 Cestoda	<i>Caryophyllaeides fennica</i> (Schneider, 1902)	Carfen
35 Monogenea	Gyrodactylus sp.	Gsp
35 Monogenea	<i>D. suecicus</i> Nybelin, 1937	Dsue
35 Monogenea	<i>D. fallax</i> Wagener, 1857	Dfal
35 Monogenea	<i>D. cabaleroi</i>	Dcab
36 Monogenea	Gyrodactylus sp.	Gsp
37 Monogenea	Gyrodactylus sp.	Gsp
38 Monogenea	Gyrodactylus sp.	Gsp
38 Monogenea	<i>D. suecicus</i> Nybelin, 1937	Dsue
38 Monogenea	<i>D. cabaleroi</i>	Dcab

39 Monogenea	Gyrodactylus sp.	Gsp
174 Monogenea	D. crucifer Wagener, 1857	Dcru
174 Crustacea	Argulus foliaceus (Linnaeus, 1758)	AF
175 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
176 Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
177 Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
178 Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
179 Monogenea	D. suecicus Nybelin, 1937	Dsue
179 Monogenea	D. rutili Gläser, 1965	Drut
179 Monogenea	D. crucifer Wagener, 1857	Dcru
179 Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
180 Monogenea	D. crucifer Wagener, 1857	Dcru
180 Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
182 Monogenea	Gyrodactylus sp.	Gsp
182 Crustacea	Argulus foliaceus (Linnaeus, 1758)	AF
182 Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
183 Monogenea	D. crucifer Wagener, 1857	Dcru
183 Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
184 Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
185 Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
324 Monogenea	Gyrodactylus sp.	Gsp
325 Anodonta	Glochidium sp.	Glo
325 Monogenea	Gyrodactylus sp.	Gsp
326 Monogenea	Gyrodactylus sp.	Gsp
327 Monogenea	Gyrodactylus sp.	Gsp
328 Monogenea	Gyrodactylus sp.	Gsp
328 Crustacea	Argulus foliaceus (Linnaeus, 1758)	AF
331 Monogenea	Gyrodactylus sp.	Gsp
334 Monogenea	Gyrodactylus sp.	Gsp
335 Monogenea	Gyrodactylus sp.	Gsp
22 Monogenea	D. cabaleroi	Dcab
22 Monogenea	D. crucifer Wagener, 1857	Dcru
23 Monogenea	D. suecicus Nybelin, 1937	Dsue
23 Monogenea	D. fallax Wagener, 1857	Dfal
23 Monogenea	D. cabaleroi	Dcab
23 Monogenea	D. crucifer Wagener, 1857	Dcru
24 Anodonta	Glochidium sp.	Glo
24 Monogenea	Gyrodactylus sp.	Gsp
24 Monogenea	D. suecicus Nybelin, 1937	Dsue
24 Monogenea	D. rutili Gläser, 1965	Drut
24 Monogenea	D. fallax Wagener, 1857	Dfal
24 Monogenea	D. crucifer Wagener, 1857	Dcru
24 Monogenea	D. nanus Dogiel et Bychowsky, 1934	Dnan
25 Anodonta	Glochidium sp.	Glo
25 Monogenea	Gyrodactylus sp.	Gsp
25 Monogenea	D. fallax Wagener, 1857	Dfal
26 Anodonta	Glochidium sp.	Glo
26 Monogenea	Gyrodactylus sp.	Gsp
27 Monogenea	Gyrodactylus sp.	Gsp
27 Monogenea	D. suecicus Nybelin, 1937	Dsue
27 Monogenea	D. cabaleroi	Dcab
28 Anodonta	Glochidium sp.	Glo
28 Monogenea	Gyrodactylus sp.	Gsp
29 Monogenea	Gyrodactylus sp.	Gsp
29 Monogenea	D. similis Wegener, 1909	Dsim
187 Crustacea	Argulus foliaceus (Linnaeus, 1758)	AF
187		Copil
188 Monogenea	Dactylogyrus sp.	Dsp
189 Monogenea	D. crucifer Wagener, 1857	Dcru

189 digenea	Diplostomum spathaceum (Rudolphi, 1819)	DS
189 acanthocephala	Acanthocephallus lucii (Müller, 1776)	Acl
190 Monogenea	D. rutili Gläser, 1965	Drut
190 Monogenea	Paradiplozoon homoion	PH
191 Monogenea	D. nanus Dogiel et Bychowsky, 1934	Dnan
196 Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
198 Monogenea	D. suecicus Nybelin, 1937	Dsue
199 Monogenea	D. crucifer Wagener, 1857	Dcru
199 Monogenea	Paradiplozoon homoion	PH
199 Cestoda	Caryophyllaeides fennica (Schneider, 1902)	Carfen
200 annelida	Piscicola geometra (Linnaeus, 1761)	PiG
201 Monogenea	Paradiplozoon homoion	PH

typParazita	PocetParazitu	Lokalita	season	type
ektoparazi	1	HEL	spring 97	gravel pit
ektoparazi	23	HEL	spring 97	gravel pit
endoparaz	1	HEL	spring 97	gravel pit
ektoparazi	9	HEL	spring 97	gravel pit
ektoparazi	7	HEL	spring 97	gravel pit
ektoparazi	3	HEL	spring 97	gravel pit
ektoparazi	2	HEL	spring 97	gravel pit
ektoparazi	2	HEL	spring 97	gravel pit
ektoparazi	1	HEL	spring 97	gravel pit
ektoparazi	2	HEL	spring 97	gravel pit
ektoparazi	6	HEL	spring 97	gravel pit
ektoparazi	3	HEL	spring 97	gravel pit
ektoparazi	2	HEL	spring 97	gravel pit
ektoparazi	2	HEL	spring 97	gravel pit
ektoparazi	1	HEL	spring 97	gravel pit
ektoparazi	2	HEL	spring 97	gravel pit
ektoparazi	2	HEL	spring 97	gravel pit
ektoparazi	14	HEL	spring 97	gravel pit
ektoparazi	2	HEL	spring 97	gravel pit
ektoparazi	2	HEL	spring 97	gravel pit
ektoparazi	2	HEL	spring 97	gravel pit
ektoparazi	8	HEL	spring 97	gravel pit
endoparaz	1	HEL	spring 97	gravel pit
ektoparazi	2	HEL	spring 97	gravel pit
ektoparazi	2	HEL	spring 97	gravel pit
ektoparazi	4	HEL	spring 97	gravel pit
ektoparazi	6	HEL	spring 97	gravel pit
endoparaz	10	HEL	spring 97	gravel pit
ektoparazi	2	HEL	spring 97	gravel pit
ektoparazi	1	HEL	spring 97	gravel pit
endoparaz	6	HEL	spring 97	gravel pit
endoparaz	2	HEL	spring 97	gravel pit
endoparaz	1	HEL	spring 97	gravel pit
ektoparazi	2	HEL	spring 97	gravel pit
ektoparazi	6	HEL	spring 97	gravel pit
ektoparazi	3	HEL	spring 97	gravel pit
endoparaz	3	HEL	spring 97	gravel pit
endoparaz	1	HEL	spring 97	gravel pit
ektoparazi	1	HEL	spring 97	gravel pit
ektoparazi	2	HEL	spring 97	gravel pit
ektoparazi	1	HEL	spring 97	gravel pit
endoparaz	2	HEL	spring 97	gravel pit
endoparaz	1	HEL	spring 97	gravel pit
ektoparazi	2	HEL	autumn 97	gravel pit
endoparaz	6	HEL	autumn 97	gravel pit
ektoparazi	1	HEL	autumn 97	gravel pit
ektoparazi	1	HEL	autumn 97	gravel pit
endoparaz	2	HEL	autumn 97	gravel pit
ektoparazi	8	HEL	autumn 97	gravel pit
ektoparazi	2	HEL	autumn 97	gravel pit
ektoparazi	4	HEL	autumn 97	gravel pit
ektoparazi	2	HEL	autumn 97	gravel pit
endoparaz	10	HEL	autumn 97	gravel pit
endoparaz	8	HEL	autumn 97	gravel pit
endoparaz	2	HEL	autumn 97	gravel pit
ektoparazi	1	HEL	autumn 97	gravel pit

endoparaz	6 HEL	autumn 97	gravel pit
ektoparazi	2 HEL	autumn 97	gravel pit
endoparaz	2 HEL	autumn 97	gravel pit
ektoparazi	20 HEL	autumn 97	gravel pit
endoparaz	4 HEL	autumn 97	gravel pit
endoparaz	6 HEL	autumn 97	gravel pit
ektoparazi	1 HEL	autumn 97	gravel pit
endoparaz	2 HEL	autumn 97	gravel pit
ektoparazi	2 HEL	spring 98	gravel pit
endoparaz	6 HEL	spring 98	gravel pit
ektoparazi	2 HVE	spring 97	gravel pit
ektoparazi	4 HVE	spring 97	gravel pit
ektoparazi	2 HVE	spring 97	gravel pit
ektoparazi	38 HVE	spring 97	gravel pit
ektoparazi	32 HVE	spring 97	gravel pit
ektoparazi	2 HVE	spring 97	gravel pit
ektoparazi	6 HVE	spring 97	gravel pit
ektoparazi	9 HVE	spring 97	gravel pit
ektoparazi	54 HVE	spring 97	gravel pit
ektoparazi	4 HVE	spring 97	gravel pit
ektoparazi	4 HVE	spring 97	gravel pit
endoparaz	2 HVE	autumn 97	gravel pit
endoparaz	2 HVE	autumn 97	gravel pit
ektoparazi	4 HVE	autumn 97	gravel pit
endoparaz	2 HVE	autumn 97	gravel pit
endoparaz	8 HVE	autumn 97	gravel pit
ektoparazi	2 HVE	autumn 97	gravel pit
ektoparazi	2 HVE	autumn 97	gravel pit
endoparaz	1 HVE	autumn 97	gravel pit
endoparaz	4 HVE	autumn 97	gravel pit
endoparaz	2 HVE	autumn 97	gravel pit
endoparaz	6 HVE	autumn 97	gravel pit
endoparaz	2 HVE	autumn 97	gravel pit
ektoparazi	34 KYJ	spring 97	river
ektoparazi	18 KYJ	spring 97	river
ektoparazi	12 KYJ	spring 97	river
ektoparazi	2 KYJ	spring 97	river
endoparaz	6 KYJ	spring 97	river
ektoparazi	8 KYJ	spring 97	river
ektoparazi	48 KYJ	spring 97	river
ektoparazi	4 KYJ	spring 97	river
ektoparazi	16 KYJ	spring 97	river
ektoparazi	2 KYJ	spring 97	river
ektoparazi	1 KYJ	spring 97	river
ektoparazi	120 KYJ	spring 97	river
ektoparazi	6 KYJ	spring 97	river
ektoparazi	10 KYJ	spring 97	river
ektoparazi	81 KYJ	spring 97	river
ektoparazi	6 KYJ	spring 97	river
ektoparazi	4 KYJ	spring 97	river
ektoparazi	12 KYJ	spring 97	river
ektoparazi	75 KYJ	spring 97	river
ektoparazi	16 KYJ	spring 97	river
ektoparazi	14 KYJ	spring 97	river
ektoparazi	2 KYJ	spring 97	river
ektoparazi	28 KYJ	spring 97	river
ektoparazi	10 KYJ	spring 97	river
ektoparazi	4 KYJ	spring 97	river

ektoparazi	4 KYJ	spring 97	river
ektoparazi	6 KYJ	spring 97	river
ektoparazi	30 KYJ	spring 97	river
ektoparazi	2 KYJ	spring 97	river
ektoparazi	13 KYJ	spring 97	river
ektoparazi	12 KYJ	spring 97	river
ektoparazi	24 KYJ	spring 97	river
ektoparazi	24 KYJ	spring 97	river
ektoparazi	2 KYJ	spring 97	river
ektoparazi	2 KYJ	spring 97	river
ektoparazi	14 KYJ	spring 97	river
endoparaz	2 KYJ	spring 97	river
endoparaz	1 KYJ	spring 97	river
ektoparazi	139 KYJ	spring 97	river
ektoparazi	2 KYJ	spring 97	river
ektoparazi	2 KYJ	spring 97	river
ektoparazi	6 KYJ	spring 97	river
ektoparazi	6 KYJ	spring 97	river
ektoparazi	132 KYJ	spring 97	river
ektoparazi	12 KYJ	spring 97	river
ektoparazi	4 KYJ	spring 97	river
ektoparazi	10 KYJ	spring 97	river
ektoparazi	2 KYJ	autumn 97	river
ektoparazi	8 KYJ	autumn 97	river
endoparaz	6 KYJ	autumn 97	river
endoparaz	4 KYJ	autumn 97	river
endoparaz	4 KYJ	autumn 97	river
ektoparazi	4 KYJ	autumn 97	river
ektoparazi	4 KYJ	autumn 97	river
ektoparazi	2 KYJ	autumn 97	river
endoparaz	4 KYJ	autumn 97	river
endoparaz	2 KYJ	autumn 97	river
endoparaz	2 KYJ	autumn 97	river
endoparaz	2 KYJ	spring 98	river
endoparaz	2 KYJ	spring 98	river
ektoparazi	2 KYJ	spring 98	river
endoparaz	2 KYJ	spring 98	river
endoparaz	4 KYJ	spring 98	river
ektoparazi	3 KYJ	spring 98	river
endoparaz	2 KYJ	spring 98	river
ektoparazi	1 MEL	spring 97	gravel pit
ektoparazi	1 MEL	spring 97	gravel pit
ektoparazi	4 MEL	spring 97	gravel pit
ektoparazi	1 MEL	spring 97	gravel pit
ektoparazi	2 MEL	spring 97	gravel pit
ektoparazi	2 MEL	spring 97	gravel pit
endoparaz	2 MEL	spring 97	gravel pit
ektoparazi	2 MEL	spring 97	gravel pit
ektoparazi	6 MEL	spring 97	gravel pit
endoparaz	2 MEL	spring 97	gravel pit
ektoparazi	1 MEL	spring 97	gravel pit
ektoparazi	1 MEL	spring 97	gravel pit
endoparaz	1 MEL	spring 97	gravel pit
endoparaz	2 MEL	autumn 97	gravel pit
ektoparazi	2 MNV	spring 97	oxbow
ektoparazi	2 MNV	spring 97	oxbow
ektoparazi	2 MNV	spring 97	oxbow
ektoparazi	2 MNV	spring 97	oxbow
ektoparazi	40 MNV	spring 97	oxbow

ektoparazi	2 MNV	spring 97	oxbow
ektoparazi	6 MNV	spring 97	oxbow
ektoparazi	2 MNV	spring 97	oxbow
ektoparazi	2 MNV	spring 97	oxbow
endoparaz	3 MNV	spring 97	oxbow
ektoparazi	10 MNV	spring 97	oxbow
endoparaz	4 MNV	spring 97	oxbow
endoparaz	4 MNV	spring 97	oxbow
ektoparazi	14 MNV	spring 97	oxbow
ektoparazi	8 MNV	spring 97	oxbow
ektoparazi	2 MNV	spring 97	oxbow
ektoparazi	85 MNV	spring 97	oxbow
ektoparazi	6 MNV	spring 97	oxbow
ektoparazi	4 MNV	spring 977	oxbow
ektoparazi	6 MNV	spring 977	oxbow
ektoparazi	4 MNV	spring 97	oxbow
ektoparazi	4 MNV	spring 97	oxbow
ektoparazi	4 MNV	spring 97	oxbow
endoparaz	4 MNV	spring 97	oxbow
ektoparazi	17 MNV	spring 97	oxbow
ektoparazi	4 MNV	spring 97	oxbow
ektoparazi	7 MNV	spring 97	oxbow
ektoparazi	2 MNV	spring 97	oxbow
ektoparazi	15 MNV	spring 97	oxbow
ektoparazi	10 MNV	spring 97	oxbow
ektoparazi	2 MNV	spring 97	oxbow
endoparaz	2 MNV	spring 97	oxbow
ektoparazi	88 MNV	spring 97	oxbow
ektoparazi	8 MNV	spring 97	oxbow
ektoparazi	2 MNV	spring 97	oxbow
ektoparazi	4 MNV	spring 97	oxbow
ektoparazi	2 MNV	autumn 97	oxbow
endoparaz	2 MNV	autumn 97	oxbow
endoparaz	10 MNV	autumn 97	oxbow
endoparaz	4 MNV	autumn 97	oxbow
endoparaz	2 MNV	autumn 97	oxbow
endoparaz	6 MNV	autumn 97	oxbow
ektoparazi	2 MNV	autumn 97	oxbow
ektoparazi	2 MNV	autumn 97	oxbow
endoparaz	4 MNV	autumn 97	oxbow
ektoparazi	1 MNV	autumn 97	oxbow
endoparaz	4 MNV	autumn 97	oxbow
ektoparazi	2 MNV	autumn 97	oxbow
ektoparazi	4 MNV	autumn 97	oxbow
ektoparazi	1 MNV	autumn 97	oxbow
ektoparazi	4 MNV	spring 98	oxbow
ektoparazi	14 MNV	spring 98	oxbow
ektoparazi	2 MNV	spring 98	oxbow
ektoparazi	19 MNV	spring 98	oxbow
ektoparazi	32 MNV	spring 98	oxbow
ektoparazi	4 MNV	spring 98	oxbow
ektoparazi	7 MNV	spring 98	oxbow
ektoparazi	1 MNV	spring 98	oxbow
ektoparazi	18 MNV	spring 98	oxbow
ektoparazi	6 MNV	spring 98	oxbow
ektoparazi	1 MNV	spring 98	oxbow
ektoparazi	7 MNV	spring 98	oxbow
ektoparazi	2 MNV	spring 98	oxbow
ektoparazi	3 MNV	spring 98	oxbow

ektoparazi	4 MNV	spring 98	oxbow
endoparaz	2 MNV	spring 98	oxbow
ektoparazi	1 MNV	spring 98	oxbow
ektoparazi	3 MNV	spring 98	oxbow
ektoparazi	2 MNV	spring 98	oxbow
ektoparazi	2 MNV	spring 98	oxbow
endoparaz	6 MNV	spring 98	oxbow
endoparaz	1 MNV	spring 98	oxbow
ektoparazi	288 MNV	spring 98	oxbow
ektoparazi	12 MNV	spring 98	oxbow
ektoparazi	2 MNV	spring 98	oxbow
endoparaz	2 MNV	spring 98	oxbow
ektoparazi	10 MNV	spring 98	oxbow
endoparaz	2 MNV	spring 98	oxbow
ektoparazi	2 MNV	spring 98	oxbow
endoparaz	2 MNV	spring 98	oxbow
ektoparazi	4 MNV	spring 98	oxbow
ektoparazi	20 MNV	spring 98	oxbow
ektoparazi	2 MNV	spring 98	oxbow
ektoparazi	2 MNV	spring 98	oxbow
endoparaz	16 MNV	spring 98	oxbow
ektoparazi	1 MNV	spring 98	oxbow
ektoparazi	10 MNV	spring 98	oxbow
endoparaz	8 MNV	spring 98	oxbow
ektoparazi	9 MNV	spring 98	oxbow
ektoparazi	4 MNV	spring 98	oxbow
ektoparazi	2 MNV	spring 98	oxbow
ektoparazi	8 MNV	spring 98	oxbow
ektoparazi	2 MNV	spring 98	oxbow
ektoparazi	6 MNV	spring 98	oxbow
ektoparazi	2 MNV	spring 98	oxbow
ektoparazi	2 MNV	spring 98	oxbow
ektoparazi	7 MNV	spring 98	oxbow
endoparaz	4 MNV	spring 98	oxbow
ektoparazi	4 MOR	spring 97	river
ektoparazi	8 MOR	spring 97	river
ektoparazi	4 MOR	spring 97	river
ektoparazi	4 MOR	spring 97	river
ektoparazi	6 MOR	spring 97	river
ektoparazi	8 MOR	spring 97	river
ektoparazi	8 MOR	spring 97	river
endoparaz	2 MOR	spring 97	river
ektoparazi	2 MOR	spring 97	river
ektoparazi	2 MOR	spring 97	river
ektoparazi	6 MOR	spring 97	river
ektoparazi	7 MOR	spring 97	river
ektoparazi	2 MOR	spring 97	river
endoparaz	2 MOR	spring 97	river
ektoparazi	6 MOR	spring 97	river
ektoparazi	2 MOR	spring 97	river
ektoparazi	2 MOR	spring 97	river
ektoparazi	2 MOR	spring 97	river
ektoparazi	1 MOR	spring 97	river
ektoparazi	6 MOR	spring 97	river
ektoparazi	4 MOR	spring 97	river
ektoparazi	10 MOR	spring 97	river
ektoparazi	2 MOR	spring 97	river
ektoparazi	2 MOR	spring 97	river
ektoparazi	4 MOR	spring 97	river

ektoparazi	2 MOR	spring 97	river
ektoparazi	2 MOR	spring 97	river
ektoparazi	8 MOR	spring 97	river
ektoparazi	12 MOR	spring 97	river
ektoparazi	12 MOR	spring 97	river
ektoparazi	2 MOR	spring 97	river
endoparaz	2 MOR	spring 97	river
ektoparazi	2 MOR	spring 97	river
ektoparazi	2 MOR	spring 97	river
ektoparazi	2 MOR	spring 97	river
ektoparazi	2 MOR	spring 97	river
ektoparazi	4 MOR	spring 97	river
ektoparazi	6 MOR	spring 97	river
ektoparazi	18 MOR	spring 97	river
ektoparazi	2 MOR	spring 97	river
ektoparazi	2 MOR	spring 97	river
ektoparazi	2 MOR	spring 97	river
ektoparazi	6 MOR	spring 97	river
endoparaz	1 MOR	spring 97	river
ektoparazi	2 MOR	autumn 97	river
endoparaz	4 MOR	autumn 97	river
ektoparazi	1 MOR	autumn 97	river
ektoparazi	1 MOR	autumn 97	river
ektoparazi	8 MOR	spring 98	river
endoparaz	2 MOR	spring 98	river
ektoparazi	26 MOR	spring 98	river
ektoparazi	2 MOR	spring 98	river
ektoparazi	7 MOR	spring 98	river
endoparaz	4 MOR	spring 98	river
ektoparazi	10 MOR	spring 98	river
ektoparazi	24 MOR	spring 98	river
ektoparazi	3 MOR	spring 98	river
ektoparazi	4 MOR	spring 98	river
ektoparazi	1 MOR	spring 98	river
ektoparazi	13 MOR	spring 98	river
ektoparazi	172 MOR	spring 98	river
ektoparazi	2 MOR	spring 98	river
ektoparazi	4 MOR	spring 98	river
ektoparazi	4 MOR	spring 98	river
ektoparazi	31 ROH	spring 97	gravel pit
ektoparazi	34 ROH	spring 97	gravel pit
ektoparazi	32 ROH	spring 97	gravel pit
endoparaz	1 ROH	spring 97	gravel pit
ektoparazi	6 ROH	spring 97	gravel pit
ektoparazi	105 ROH	spring 97	gravel pit
ektoparazi	4 ROH	spring 97	gravel pit
ektoparazi	20 ROH	spring 97	gravel pit
ektoparazi	4 ROH	spring 97	gravel pit
ektoparazi	74 ROH	spring 97	gravel pit
ektoparazi	10 ROH	spring 97	gravel pit
ektoparazi	2 ROH	spring 97	gravel pit
ektoparazi	2 ROH	spring 97	gravel pit
ektoparazi	12 ROH	spring 97	gravel pit
ektoparazi	4 ROH	spring 97	gravel pit
endoparaz	16 ROH	spring 97	gravel pit
ektoparazi	29 ROH	spring 97	gravel pit
ektoparazi	8 ROH	spring 97	gravel pit
ektoparazi	2 ROH	spring 97	gravel pit
ektoparazi	30 ROH	spring 97	gravel pit
ektoparazi	135 ROH	spring 97	gravel pit

ektoparazi	2 ROH	spring 97	gravel pit
ektoparazi	4 ROH	spring 97	gravel pit
ektoparazi	4 ROH	spring 97	gravel pit
ektoparazi	26 ROH	spring 97	gravel pit
ektoparazi	2 ROH	spring 97	gravel pit
endoparaz	6 ROH	spring 97	gravel pit
ektoparazi	8 ROH	spring 97	gravel pit
ektoparazi	69 ROH	spring 97	gravel pit
ektoparazi	2 ROH	spring 97	gravel pit
ektoparazi	6 ROH	spring 97	gravel pit
ektoparazi	2 ROH	spring 97	gravel pit
ektoparazi	8 ROH	spring 97	gravel pit
ektoparazi	19 ROH	spring 97	gravel pit
ektoparazi	4 ROH	spring 97	gravel pit
ektoparazi	2 ROH	spring 97	gravel pit
ektoparazi	4 ROH	spring 97	gravel pit
ektoparazi	2 ROH	spring 97	gravel pit
ektoparazi	27 ROH	spring 97	gravel pit
ektoparazi	4 ROH	spring 97	gravel pit
ektoparazi	2 ROH	spring 97	gravel pit
ektoparazi	11 ROH	spring 97	gravel pit
ektoparazi	2 ROH	spring 97	gravel pit
ektoparazi	4 ROH	spring 97	gravel pit
ektoparazi	4 ROH	spring 97	gravel pit
ektoparazi	177 ROH	spring 97	gravel pit
ektoparazi	4 ROH	spring 97	gravel pit
ektoparazi	6 ROH	spring 97	gravel pit
ektoparazi	6 ROH	spring 97	gravel pit
ektoparazi	6 ROH	spring 97	gravel pit
ektoparazi	2 ROH	spring 97	gravel pit
ektoparazi	8 ROH	spring 97	gravel pit
ektoparazi	1 ROH	spring 97	gravel pit
ektoparazi	10 ROH	spring 97	gravel pit
ektoparazi	2 ROH	autumn 97	gravel pit
endoparaz	2 ROH	autumn 97	gravel pit
ektoparazi	1 ROH	autumn 97	gravel pit
ektoparazi	1 ROH	autumn 97	gravel pit
ektoparazi	2 ROH	autumn 97	gravel pit
endoparaz	4 ROH	autumn 97	gravel pit
endoparaz	106 ROH	autumn 97	gravel pit
ektoparazi	5 ROH	autumn 97	gravel pit
endoparaz	2 ROH	autumn 97	gravel pit
ektoparazi	2 ROH	autumn 97	gravel pit
ektoparazi	1 ROH	autumn 97	gravel pit
endoparaz	2 ROH	autumn 97	gravel pit
endoparaz	4 ROH	autumn 97	gravel pit
ektoparazi	2 ROH	autumn 97	gravel pit
endoparaz	2 ROH	autumn 97	gravel pit
ektoparazi	1 ROH	autumn 97	gravel pit
ektoparazi	1 ROH	autumn 97	gravel pit
endoparaz	2 ROH	autumn 97	gravel pit
ektoparazi	1 ROH	autumn 97	gravel pit
ektoparazi	2 ROH	autumn 97	gravel pit
ektoparazi	2 ROH	autumn 97	gravel pit
endoparaz	2 ROH	autumn 97	gravel pit
ektoparazi	2 ROH	spring 98	gravel pit
ektoparazi	1 ROH	spring 98	gravel pit
ektoparazi	2 ROH	spring 98	gravel pit
ektoparazi	1 ROH	spring 98	gravel pit

ektoparazi	1 ROH	spring 98	gravel pit
ektoparazi	6 ROH	spring 98	gravel pit
ektoparazi	2 ROH	spring 98	gravel pit
ektoparazi	2 ROH	spring 98	gravel pit
ektoparazi	2 ROH	spring 98	gravel pit
ektoparazi	1 ROH	spring 98	gravel pit
ektoparazi	11 ROH	spring 98	gravel pit
ektoparazi	2 ROH	spring 98	gravel pit
ektoparazi	2 ROH	spring 98	gravel pit
ektoparazi	1 ROH	spring 98	gravel pit
ektoparazi	5 ROH	spring 98	gravel pit
ektoparazi	27 ROH	spring 98	gravel pit
ektoparazi	36 ROH	spring 98	gravel pit
ektoparazi	2 ROH	spring 98	gravel pit
ektoparazi	12 ROH	spring 98	gravel pit
ektoparazi	2 ROH	spring 98	gravel pit
ektoparazi	4 ROH	spring 98	gravel pit
ektoparazi	2 ROH	spring 98	gravel pit
endoparaz	2 ROH	spring 98	gravel pit
ektoparazi	4 SKA	spring 97	oxbow
ektoparazi	8 SKA	spring 97	oxbow
ektoparazi	12 SKA	spring 97	oxbow
ektoparazi	23 SKA	spring 97	oxbow
ektoparazi	6 SKA	spring 97	oxbow
ektoparazi	2 SKA	spring 97	oxbow
ektoparazi	4 SKA	spring 97	oxbow
ektoparazi	24 SKA	spring 97	oxbow
ektoparazi	6 SKA	spring 97	oxbow
ektoparazi	4 SKA	spring 97	oxbow
ektoparazi	55 SKA	spring 97	oxbow
ektoparazi	53 SKA	spring 97	oxbow
ektoparazi	8 SKA	spring 97	oxbow
ektoparazi	20 SKA	spring 97	oxbow
ektoparazi	2 SKA	spring 97	oxbow
ektoparazi	2 SKA	autumn 97	oxbow
ektoparazi	2 SKA	autumn 97	oxbow
ektoparazi	8 SKA	autumn 97	oxbow
ektoparazi	1 SKA	autumn 97	oxbow
ektoparazi	2 SKA	autumn 97	oxbow
ektoparazi	1 SKA	autumn 97	oxbow
endoparaz	4 SKA	autumn 97	oxbow
ektoparazi	2 SKA	autumn 97	oxbow
ektoparazi	4 SKA	autumn 97	oxbow
endoparaz	2 SKA	autumn 97	oxbow
ektoparazi	1 SKA	autumn 97	oxbow
ektoparazi	2 SKA	autumn 97	oxbow
endoparaz	2 SKA	autumn 97	oxbow
endoparaz	6 SKA	autumn 97	oxbow
endoparaz	6 SKA	autumn 97	oxbow
endoparaz	4 SKA	autumn 97	oxbow
endoparaz	1 SKA	autumn 97	oxbow
ektoparazi	2 SKA	autumn 97	oxbow
endoparaz	2 SKA	autumn 97	oxbow
endoparaz	2 SKA	autumn 97	oxbow
endoparaz	6 SKA	autumn 97	oxbow
ektoparazi	2 SKA	autumn 97	oxbow
ektoparazi	8 SKA	autumn 97	oxbow
endoparaz	2 SKA	autumn 97	oxbow
ektoparazi	1 SKA	autumn 97	oxbow

endoparaz	2 SKA	autumn 97	oxbow
ektoparazi	1 SKA	autumn 97	oxbow
ektoparazi	1 SKA	autumn 97	oxbow
ektoparazi	1 STR	spring 97	gravel pit
ektoparazi	2 STR	spring 97	gravel pit
ektoparazi	1 STR	spring 97	gravel pit
endoparaz	2 STR	spring 97	gravel pit
ektoparazi	1 STR	spring 97	gravel pit
ektoparazi	10 STR	spring 97	gravel pit
ektoparazi	2 STR	spring 97	gravel pit
ektoparazi	5 STR	spring 97	gravel pit
ektoparazi	4 STR	spring 97	gravel pit
ektoparazi	1 STR	spring 97	gravel pit
ektoparazi	6 STR	spring 97	gravel pit
ektoparazi	2 STR	spring 97	gravel pit
ektoparazi	1 STR	spring 97	gravel pit
ektoparazi	3 STR	spring 97	gravel pit
ektoparazi	8 STR	spring 97	gravel pit
ektoparazi	1 STR	spring 97	gravel pit
ektoparazi	4 STR	spring 97	gravel pit
ektoparazi	2 STR	autumn 97	gravel pit
ektoparazi	4 STR	autumn 97	gravel pit
ektoparazi	1 STR	autumn 97	gravel pit
ektoparazi	1 STR	autumn 97	gravel pit
endoparaz	6 STR	autumn 97	gravel pit
ektoparazi	7 STR	autumn 97	gravel pit
ektoparazi	2 STR	autumn 97	gravel pit
ektoparazi	8 STR	autumn 97	gravel pit
ektoparazi	4 STR	autumn 97	gravel pit
endoparaz	2 STR	autumn 97	gravel pit
ektoparazi	9 STR	autumn 97	gravel pit
ektoparazi	1 TVC	spring 97	oxbow
ektoparazi	10 TVC	spring 97	oxbow
ektoparazi	26 TVC	spring 97	oxbow
ektoparazi	1 TVC	spring 97	oxbow
endoparaz	2 TVC	spring 97	oxbow
ektoparazi	2 TVC	spring 97	oxbow
ektoparazi	4 TVC	spring 97	oxbow
ektoparazi	2 TVC	spring 97	oxbow
ektoparazi	2 TVC	spring 97	oxbow
ektoparazi	4 TVC	spring 97	oxbow
ektoparazi	2 TVC	spring 97	oxbow
ektoparazi	8 TVC	spring 97	oxbow
ektoparazi	4 TVC	spring 97	oxbow
ektoparazi	2 TVC	spring 97	oxbow
ektoparazi	2 TVC	spring 97	oxbow
ektoparazi	1 TVC	spring 97	oxbow
ektoparazi	1 TVC	spring 97	oxbow
ektoparazi	2 TVC	spring 97	oxbow
endoparaz	4 TVC	spring 97	oxbow
ektoparazi	4 TVC	spring 97	oxbow
endoparaz	2 TVC	spring 97	oxbow
ektoparazi	5 TVC	spring 97	oxbow
ektoparazi	2 TVC	spring 97	oxbow
ektoparazi	6 TVC	spring 97	oxbow
ektoparazi	1 TVC	spring 97	oxbow
ektoparazi	2 TVC	autumn 97	oxbow
ektoparazi	2 TVC	autumn 97	oxbow
ektoparazi	2 TVC	autumn 97	oxbow

ektoparazi	2 TVC	autumn 97	oxbow
ektoparazi	2 TVC	autumn 97	oxbow
endoparaz	30 TVC	autumn 97	oxbow
ektoparazi	2 TVC	autumn 97	oxbow
endoparaz	14 TVC	autumn 97	oxbow
endoparaz	8 TVC	autumn 97	oxbow
endoparaz	8 TVC	autumn 97	oxbow
endoparaz	12 TVC	autumn 97	oxbow
endoparaz	8 TVC	autumn 97	oxbow
endoparaz	6 TVC	autumn 97	oxbow
ektoparazi	1 TVC	autumn 97	oxbow
endoparaz	8 TVC	autumn 97	oxbow
ektoparazi	2 TVC	spring 98	oxbow
ektoparazi	1 TVC	spring 98	oxbow
ektoparazi	2 TVC	spring 98	oxbow
ektoparazi	1 TVC	spring 98	oxbow
ektoparazi	3 TVC	spring 98	oxbow
ektoparazi	2 TVC	spring 98	oxbow
ektoparazi	3 TVC	spring 98	oxbow
ektoparazi	1 TVC	spring 98	oxbow
ektoparazi	4 TVC	spring 98	oxbow
ektoparazi	1 TVC	spring 98	oxbow
ektoparazi	8 TVC	spring 98	oxbow
ektoparazi	21 TVC	spring 98	oxbow
ektoparazi	6 TVP	spring 97	oxbow
endoparaz	4 TVP	spring 97	oxbow
ektoparazi	12 TVP	spring 97	oxbow
endoparaz	12 TVP	spring 97	oxbow
ektoparazi	8 TVP	spring 97	oxbow
ektoparazi	1 TVP	spring 97	oxbow
ektoparazi	14 TVP	spring 97	oxbow
ektoparazi	4 TVP	spring 97	oxbow
ektoparazi	1 TVP	spring 97	oxbow
ektoparazi	1 TVP	spring 97	oxbow
ektoparazi	2 TVP	spring 97	oxbow
ektoparazi	2 TVP	autumn 97	oxbow
endoparaz	2 TVP	autumn 97	oxbow
endoparaz	4 TVP	autumn 97	oxbow
ektoparazi	96 TYM	spring 97	oxbow
ektoparazi	2 TYM	spring 97	oxbow
ektoparazi	12 TYM	spring 97	oxbow
ektoparazi	17 TYM	spring 97	oxbow
endoparaz	4 TYM	spring 97	oxbow
ektoparazi	2 TYM	spring 97	oxbow
endoparaz	2 TYM	spring 97	oxbow
ektoparazi	19 TYM	spring 97	oxbow
endoparaz	12 TYM	spring 97	oxbow
ektoparazi	13 TYM	spring 97	oxbow
ektoparazi	6 TYM	spring 97	oxbow
endoparaz	2 TYM	spring 97	oxbow
ektoparazi	7 TYM	spring 97	oxbow
ektoparazi	4 TYM	spring 97	oxbow
ektoparazi	2 TYM	spring 97	oxbow
ektoparazi	2 TYM	spring 97	oxbow
ektoparazi	4 TYM	spring 97	oxbow
ektoparazi	4 TYM	spring 97	oxbow
ektoparazi	5 TYM	spring 97	oxbow
ektoparazi	2 TYM	spring 97	oxbow
ektoparazi	2 TYM	spring 97	oxbow

ektoparazi	6 TYM	spring 97	oxbow
ektoparazi	2 TYM	autumn 97	oxbow
ektoparazi	1 TYM	autumn 97	oxbow
endoparaz	2 TYM	autumn 97	oxbow
endoparaz	2 TYM	autumn 97	oxbow
endoparaz	2 TYM	autumn 97	oxbow
ektoparazi	2 TYM	autumn 97	oxbow
ektoparazi	2 TYM	autumn 97	oxbow
ektoparazi	6 TYM	autumn 97	oxbow
endoparaz	2 TYM	autumn 97	oxbow
ektoparazi	6 TYM	autumn 97	oxbow
endoparaz	4 TYM	autumn 97	oxbow
ektoparazi	6 TYM	autumn 97	oxbow
ektoparazi	1 TYM	autumn 97	oxbow
endoparaz	4 TYM	autumn 97	oxbow
ektoparazi	4 TYM	autumn 97	oxbow
endoparaz	4 TYM	autumn 97	oxbow
endoparaz	4 TYM	autumn 97	oxbow
endoparaz	6 TYM	autumn 97	oxbow
ektoparazi	1 TYM	spring 98	oxbow
ektoparazi	8 TYM	spring 98	oxbow
ektoparazi	8 TYM	spring 98	oxbow
ektoparazi	4 TYM	spring 98	oxbow
ektoparazi	1 TYM	spring 98	oxbow
ektoparazi	1 TYM	spring 98	oxbow
ektoparazi	1 TYM	spring 98	oxbow
ektoparazi	1 TYM	spring 98	oxbow
ektoparazi	4 TYM	spring 98	oxbow
ektoparazi	2 TYM	spring 98	oxbow
ektoparazi	2 TYV	spring 97	oxbow
ektoparazi	2 TYV	spring 97	oxbow
ektoparazi	2 TYV	spring 97	oxbow
ektoparazi	2 TYV	spring 97	oxbow
ektoparazi	2 TYV	spring 97	oxbow
ektoparazi	12 TYV	spring 97	oxbow
ektoparazi	3 TYV	spring 97	oxbow
ektoparazi	2 TYV	spring 97	oxbow
ektoparazi	2 TYV	spring 97	oxbow
ektoparazi	14 TYV	spring 97	oxbow
ektoparazi	8 TYV	spring 97	oxbow
ektoparazi	14 TYV	spring 97	oxbow
ektoparazi	4 TYV	spring 97	oxbow
ektoparazi	9 TYV	spring 97	oxbow
ektoparazi	2 TYV	spring 97	oxbow
ektoparazi	2 TYV	spring 97	oxbow
ektoparazi	2 TYV	spring 97	oxbow
ektoparazi	1 TYV	spring 97	oxbow
ektoparazi	4 TYV	spring 97	oxbow
ektoparazi	10 TYV	spring 97	oxbow
ektoparazi	4 TYV	spring 97	oxbow
ektoparazi	5 TYV	spring 97	oxbow
ektoparazi	1 TYV	spring 97	oxbow
ektoparazi	1 TYV	spring 97	oxbow
ektoparazi	4 TYV	spring 97	oxbow
ektoparazi	1 TYV	autumn 97	oxbow
	2 TYV	autumn 97	oxbow
ektoparazi	2 TYV	autumn 97	oxbow
ektoparazi	4 TYV	autumn 97	oxbow

endoparaz	8 TYV	autumn 97	oxbow
endoparaz	1 TYV	autumn 97	oxbow
ektoparazi	2 TYV	autumn 97	oxbow
ektoparazi	8 TYV	autumn 97	oxbow
ektoparazi	2 TYV	autumn 97	oxbow
endoparaz	2 TYV	autumn 97	oxbow
ektoparazi	2 TYV	autumn 97	oxbow
ektoparazi	6 TYV	autumn 97	oxbow
ektoparazi	2 TYV	autumn 97	oxbow
endoparaz	2 TYV	autumn 97	oxbow
ektoparazi	1 TYV	autumn 97	oxbow
ektoparazi	10 TYV	autumn 97	oxbow

season	spring 98
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Maximum z PocetParazitu		type Lokalita		Celkem z gravel pit	oxbow			
typParazita	ParazitZkratka	gravel pit			MNV	TVC	TYM	
		HEL	ROH					
ektoparazit	AF				1	2	1	
	Dcab		2	2				
	Dcru		2	2	2			
	Dfal		2	2				
	Dnan		2	2	2			
	Drari				2			
	Drut		2	2	8			
	Dsim		4	4				
	Dsp		6	6	2			
	Dsue		2	2	4			
	Glo		1	1	288		8	
	Gsp	2	36	36	32	21	8	
	PH		1	1				
Celkem z ektoparazit			2	36	36	288	21	8
endoparazit	Carfen							
	DS	6	2	6	16			
	PoC				1			
Celkem z endoparazit		6	2	6	16			
Celkový součet		6	36	36	288	21	8	

Celkem z oxbow	river		Celkem z river	Celkový součet
	KYJ	MOR		
2		4	4	2
				4
2				2
				2
2		4	4	4
2				2
8		2	2	8
				4
2		2	2	6
4		4	4	4
288		172	172	288
32	3	26	26	36
	2		2	2
288	3	172	172	288
		4	4	4
16	4		4	16
1				1
16	4	4	4	16
288	4	172	172	288