



# NMQC

NE Atlantic Marine Biological Analytical Quality Control Scheme

## Laboratory Reference Module Summary Report

Benthic Invertebrate Component - 2019/20

LR24

08 April 2020

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## **MODULE / EXERCISE DETAILS**

Module:	Laboratory Reference (LR)
Exercises:	LR24
Data/Sample Request Circulated:	09th September 2019
Sample Submission Deadline:	25th October 2019
Number of Subscribing Laboratories:	6
Number of LR Received:	5

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Table 1. Summary of mis-identified taxa in the Laboratory Reference Module (LR24) (erroneous identifications in brackets).

LabCode	Taxonomic Edits	Major Taxonomic Group				
		Polychaeta	Oligochaeta	Crustacea	Mollusca	Other
BI_2604	12	<i>Pholoe inornata</i> ( <i>Pholoe assimilis</i> )	<i>Tubificoides swirencoides</i> ( <i>Tubificoides galiciensis</i> )	<i>Animocera docus semiserratus</i> ( <i>Protomedea fasciata</i> )	-	<i>Eugyra arenosa</i> ( <i>Molgula</i> )
		<i>Lumbrineris futilis</i> ( <i>Scoletoma impatiens</i> )	-	<i>Tanaopsis graciloides</i> ( <i>Heterotanaïs oerstedii</i> )	-	<i>Polycarpa fibrosa</i> ( <i>Molgula</i> ) - in mixture
		<i>Sphaerosyllis c.f. taylori</i> ( <i>Parapionosyllis minuta</i> )	-	-	-	-
		<i>Levinsenia gracilis</i> ( <i>Paraonides</i> sp.)	-	-	-	-
		<i>Euclymene oerstedii</i> agg. ( <i>Euclymene droebachiensis</i> )	-	-	-	-
		<i>Ophelia borealis</i> ( <i>Ophelia bicornis</i> ) <i>Praxillella affinis</i> ( <i>Maldane sarsi</i> )	- -	- -	- -	- -
BI_2607	10	<i>Anobothrus gracilis</i> ( <i>Ampharete lindstroemi</i> )	-	<i>Makrokylin drus josephinae</i> ( <i>Diastylis echinata</i> )	-	<i>Tubulanus polymorphus</i> ( <i>Nephasoma minutum</i> )
		<i>Trichobranchus roseus</i> ( <i>Amaeana trilobata</i> )	-	-	-	<i>Oestergrenia digitata</i> ( <i>Oestergrenia thosonii</i> )
		<i>Abyssoninoe hibernica</i> ( <i>Lumbrineris tetraura</i> )	-	-	-	-
		<i>Augeneria</i> ( <i>Lumbrineris tetraura</i> ) - in mixture	-	-	-	-
		<i>Nephtys hystericis</i> ( <i>Nephtys kersivalensis</i> )	-	-	-	-
		<i>Maldanidae</i> tail, not <i>Rhodine</i> ( <i>Rhodine loveni</i> ) <i>Prionospio</i> cf. <i>cirrifera</i> ( <i>Rhodine loveni</i> ) - in mixture	- -	- -	- -	- -
BI_2611	1	-	-	-	<i>Venerupis corrugata</i> juv. ( <i>Tellimya ferruginosa</i> )	-
BI_2616	10	<i>Aphelochaeta</i> 'Species A' ( <i>Chaetozone gibber</i> )	-	<i>Gammarus salinus</i> ( <i>Gammarus tigrinus</i> )	-	<i>Thysanocardia procera</i> ( <i>Golfingia elongata</i> )
		<i>Syllides</i> ( <i>Eusyllis lameliger</i> )	-	<i>Bathyporeia elegans</i> ( <i>Bathyporeia pelagica</i> )	-	<i>Thysanocardia procera</i> ( <i>Phascolion strombus</i> )
		<i>Spio martinensis</i> ( <i>Spio symphyta</i> )	-	-	-	-
		<i>Malmgrenia ljunmani</i> ( <i>Malmgreniella lunulata</i> )	-	-	-	-
		<i>Harmothoe extenuata</i> ( <i>Harmothoe impar</i> )	-	-	-	-
		<i>Spio symphyta</i> (' <i>Spio filicornis</i> )	-	-	-	-
BI_2621	9	<i>Ampharete lindstroemi</i> ( <i>Eclysippe vanelii</i> )	-	<i>Ampelisca tenuicornis</i> ( <i>Ampelisca typica</i> )	-	-
		<i>Gattyana cirrhosa</i> ( <i>Bylgides sarsi</i> )	-	<i>Ampelisca tenuicornis</i> ( <i>Ampelisca typica</i> )	-	-
		<i>Aphelochaeta</i> 'Species A' ( <i>Aphelochaeta marioni</i> )	-	<i>Ampelisca tenuicornis</i> ( <i>Ampelisca typica</i> )	-	-
		<i>Syllis garciai</i> ( <i>Syllis cornuta</i> )	-	<i>Ampelisca tenuicornis</i> ( <i>Ampelisca typica</i> )	-	-
		<i>Oxydromus pallidus</i> ( <i>Syllidae</i> indet.)	-	-	-	-
<b>TOTAL</b>	<b>42</b>	25	1	9	1	6
<b>% Error</b>	<b>30</b>	60	2	21	2	14

NB: % errors for taxonomic groups are percentages of the total errors generated by each taxon (not percentages of errors within each taxon)

Table 2. Summary of identification policy differences in the Laboratory Reference Module (LR24) (original identifications in brackets).

LabCode	Number of differences	Identification policy difference explanations (participant original identifications in brackets)
BI_2604	4	<i>Odontosyllis gibba</i> ( <i>Odontosyllis sp?</i> ) - Taxonomic resolution increased
		<i>Syllis licheri</i> ( <i>Syllis licheri?</i> ) - Taxonomic resolution increased
		<i>Centroloecetes striatus</i> ( <i>Siphonoeetes striatus</i> ) - Nomenclature update
		<i>Azorinus chamasolen</i> juv. ( <i>Azorinus chamasolen</i> ) - Recording policy difference
BI_2607	3	<i>Hermania</i> ( <i>Hermania scabra</i> ) - Taxonomic resolution reduced
		<i>Levinsenia gracilis</i> ( <i>Levinseniia gracilis</i> ) - Spelling error
		<i>Synchelidium</i> ( <i>Synchelidium tenuimanum</i> ) - Taxonomic resolution reduced
BI_2611	8	<i>Brachystomia scalaris</i> ( <i>Brachystomia</i> ) - Taxonomic resolution increased
		<i>Tritia reticulata</i> juv. (Neogastropoda) - Taxonomic resolution increased
		<i>Donax vittatus</i> juv. ( <i>Donax vittatus</i> ) - Recording policy difference
		<i>Arctica islandica</i> juv. ( <i>Arctica islandica</i> ) - Recording policy difference
		<i>Caprella</i> juv. ( <i>Caprella equilibra</i> ) - Taxonomic resolution reduced
		<i>Cancer pagurus</i> juv. ( <i>Cancer</i> ) - Taxonomic resolution increased
		<i>Tritia reticulata</i> juv. (Neogastropoda) - Taxonomic resolution increased
		<i>Stenula solsbergi</i> ? ( <i>Stenula solsbergi</i> ) - Taxonomic resolution reduced
BI_2616	4	<i>Apsudopsis latreillii</i> ( <i>Apsudes latreillii</i> ) - Nomenclature update
		<i>Hydroides norvegica</i> ( <i>Hydroides norvegicus</i> ) - Nomenclature update
		<i>Dipolydora caulleryi</i> ( <i>Polydora caulleryi</i> ) - Nomenclature update
		<i>Laonice</i> ( <i>Laonice sarsi</i> ) - Taxonomic resolution reduced
BI_2621	7	<i>Cheirocratus</i> female ( <i>Cheirocrates</i> ) - Spelling error
		<i>Terebellides</i> ( <i>Terebellides cf gentili</i> ) - Taxonomic resolution reduced
		<i>Gyptis</i> ( <i>Gyptis propinqua</i> ) - Taxonomic resolution reduced
		<i>Phyllodoce lineata</i> ( <i>Phyllodoce</i> ) - Taxonomic resolution increased
		<i>Hydroides norvegica</i> ( <i>Hydroides norvegicus</i> ) - Nomenclature update
		<i>Oxydromus pallidus</i> (Hesionidae indet.) - Taxonomic resolution increased
		<i>Jasmineira</i> ( <i>Jasmineira caudata</i> ) - Taxonomic resolution reduced

## **APPENDIX**

LR24 individual summary reports for participating laboratories



## NMBAC Scheme Laboratory Reference Interim Results

Laboratory reference: LR24

Audit Completion Date: 06 January 2020

Date received: 08 November 2019

Auditor (lead): Tim Worsfold

Laboratory Code: BI\_2604

Auditor (review): David Hall



Key: Blue text = no change, Green text = change

No.	Original Data (OD) Identification	Edited Data (ED) Identification	Comment	WoRMS List Reference (20/01/20)
1	Pholoe assimilis	Pholoe inornata	Taxonomic edit	Pholoe inornata Johnston, 1839
2	Goniadella gracilis	Goniadella gracilis		Goniadella gracilis (Verrill, 1873)
3	Scoletoma impatiens	Lumbrineris futilis	Taxonomic edit	Lumbrineris futilis Kinberg, 1865
4	Odontosyllis sp?	Odontosyllis gibba	Taxonomic resolution increased	Odontosyllis gibba Claparède, 1863
5	Parapionosyllis minuta	Sphaerosyllis c.f. taylori	Taxonomic edit	Sphaerosyllis taylori Perkins, 1981
6	Syllis garciai	Syllis garciai		Syllis garciai (Campoy, 1982)
7	Syllis licheri?	Syllis licheri	Taxonomic resolution increased	Syllis licheri Ravara, San Martín & Moreira, 2004
8	Paraonides sp.	Levinsenia gracilis	Taxonomic edit	Levinsenia gracilis (Tauber, 1879)
9	Euclymene droebachiensis	Euclymene oerstedii agg.	Taxonomic edit	Euclymene oerstedii (Claparède, 1863)
10	Galathowenia oculata	Galathowenia oculata		Galathowenia oculata (Zachs, 1923)
11	Myriochele danielsseni	Myriochele danielsseni		Myriochele danielsseni Hansen, 1878
12	Ophelia bicornis	Ophelia borealis	Taxonomic edit	Ophelia borealis Quatrefages, 1866
13	Polyopthalmus pictus	Polyopthalmus pictus		Polyopthalmus pictus (Dujardin, 1839)
14	Armandia polyopthalma	Armandia polyopthalma		Armandia polyopthalma Kükenthal, 1887
15	Maldane sarsi	Praxillella affinis	Taxonomic edit	Praxillella affinis (M. Sars in G.O. Sars, 1872)
16	Tubificoides galiciensis	Tubificoides swirencoides	Taxonomic edit	Tubificoides swirencoides Brinkhurst, 1985
17	Protomedeia fasciata	Animoceradocus semiserratus	Taxonomic edit	Animoceradocus semiserratus (Spence Bate, 1862)
18	Siphonocetes striatus	Centraloecetes striatus	Nomeclature update	Centraloecetes striatus (Myers & McGrath, 1979)
19	Heterotanais oerstedii	Tanaopsis graciloides	Taxonomic edit	Tanaopsis graciloides (Lilljeborg, 1864)
20	Epilepton clarkiae	Epilepton clarkiae		Epilepton clarkiae (W. Clark, 1852)
21	Tellimya tenella	Tellimya tenella		Tellimya tenella (Lovén, 1846)
22	Azorinus chamasolen	Azorinus chamasolen juv.	Recording policy difference	Azorinus chamasolen (da Costa, 1778)
23	Amphiura securigera	Amphiura securigera		Amphiura (Ophiopeltis) securigera (Düben & Koren, 1846)
24	Pseudothyone sp.	Pseudothyone		Pseudothyone Panning, 1949
25	Molgula sp.	Eugyra arenosa	Taxonomic edit	Eugyra arenosa (Alder & Hancock, 1848)
		Polycarpa fibrosa	Taxonomic edit	Polycarpa fibrosa (Stimpson, 1852)



## NMBQC Scheme Laboratory Reference Interim Results



Laboratory reference: LR24

Audit Completion Date: 10 January 2020

Date received: 22 October 2019

Auditor (lead): Tim Worsfold

Laboratory Code: BI\_2607

Auditor (review): David Hall

Key: Blue text = no change, Green text = change

No.	Original Data (OD) Identification	Edited Data (ED) Identification	Comment	WoRMS List Reference (20/01/20)
1	Abyssoninoe hibernica	Abyssoninoe hibernica		Abyssoninoe hibernica (McIntosh, 1903)
2	Ampharete lindstroemi	Anobothrus gracilis	Taxonomic edit	Anobothrus gracilis (Malmgren, 1866)
3	Axinulus croulinensis	Axinulus croulinensis		Axinulus croulinensis (Jeffreys, 1847)
4	Edwardsia claparedii	Edwardsia claparedii		Edwardsia claparedii (Panceri, 1869)
5	Hermania scabra	Hermania	Taxonomic resolution reduced	Hermania Monterosato, 1884
6	Diastylis echinata	Makrokyllindrus josephinae	Taxonomic edit	Makrokyllindrus (Adiastylis) josephinae (Sars, 1871)
7	Laonice sarsi	Laonice sarsi		Laonice sarsi Söderström, 1920
8	Leptosynapta inhaerens	Leptosynapta inhaerens		Leptosynapta inhaerens (O.F. Müller, 1776)
9	Levinseniia gracilis	Levinseniia gracilis	Spelling error	Levinseniia gracilis (Tauber, 1879)
10	Amoeba trilobata	Trichobranthus roseus	Taxonomic edit	Trichobranthus roseus (Malm, 1874)
11	Lumbrineris tetraura	Abyssoninoe hibernica	Mixture; Taxonomic edit	Abyssoninoe hibernica (McIntosh, 1903)
		Augeneria	Mixture; Taxonomic edit	Augeneria Monro, 1930
12	Nephasoma minutum	Tubulanus polymorphus	Taxonomic edit	Tubulanus polymorphus Renier, 1804
13	Nephtys kersivalensis	Nephtys hystericis	Taxonomic edit	Nephtys hystericis McIntosh, 1900
14	Nephtys paradoxa	Nephtys paradoxa		Nephtys paradoxa Malm, 1874
15	Oestergrenia thosonii	Oestergrenia digitata	Taxonomic edit	Oestergrenia digitata (Montagu, 1815)
16	Ophelina modesta	Ophelina modesta		Ophelina modesta Støp-Bowitz, 1958
17	Parathyasira equalis	Parathyasira equalis		Parathyasira equalis (Verrill & Bush, 1898)
18	Phylo norvegicus	Phylo norvegicus		Phylo norvegicus (M. Sars in G.O. Sars, 1872)
19	Praxillella gracilis	Praxillella gracilis		Praxillella gracilis (M. Sars, 1861)
20	Rhodine gracilior	Rhodine gracilior		Rhodine gracilior Tauber, 1879
21	Rhodine loveni	Prionospio cf. cirrifera	Mixture; Taxonomic edit	Prionospio cirrifera Wirén, 1883
		Maldanidae (tail; not Rhodine)	Mixture; Taxonomic edit	Maldanidae Malmgren, 1867
22	Scolecopsis korsuni	Scolecopsis korsuni		Scolecopsis korsuni Sikorski, 1994
23	Streblosoma bairdi	Streblosoma bairdi		Streblosoma bairdi (Malmgren, 1866)
24	Synchelidium tenuimanum	Synchelidium	Taxonomic resolution reduced	Synchelidium G.O. Sars, 1892



## NMBQC Scheme Laboratory Reference Interim Results



Laboratory reference: LR24

Audit Completion Date: 07 April 2020

Date received: 02 April 2020

Auditor (lead): Tim Worsfold

Laboratory Code: BI\_2611

Auditor (review): David Hall

Key: Blue text = no change, Green text = change

No.	Original Data (OD) Identification	Edited Data (ED) Identification	Comment	WoRMS List Reference (08/04/20)
1	Spiralinella spiralis	Spiralinella spiralis		Spiralinella spiralis (Montagu, 1803)
2	Epitonium clathrus	Epitonium clathrus		Epitonium clathrus (Linnaeus, 1758)
3	Epitonium clathratulum	Epitonium clathratulum		Epitonium clathratulum (Kammacher, 1798)
4	Pusillina inconspicua	Pusillina inconspicua		Pusillina inconspicua (Alder, 1844)
5	Brachystomia	Brachystomia scalaris	Taxonomic resolution increased	Brachystomia scalaris (MacGillivray, 1843)
6	Neogastropoda	Tritia reticulata juv.	Taxonomic resolution increased	Tritia reticulata (Linnaeus, 1758)
7	Donax vittatus	Donax vittatus juv.	Recording policy difference	Donax vittatus (da Costa, 1778)
8	Kellia suborbicularis	Kellia suborbicularis		Kellia suborbicularis (Montagu, 1803)
9	Tellimyia ferruginosa	Venerupis corrugata juv.	Taxonomic edit	Venerupis corrugata (Gmelin, 1791)
10	Arctica islandica	Arctica islandica juv.	Recording policy difference	Arctica islandica (Linnaeus, 1767)
11	Musculus discors	Musculus discors		Musculus discors (Linnaeus, 1767)
12	Musculus subpictus	Musculus subpictus		Musculus subpictus (Cantraine, 1835)
13	Modiolula phaseolina	Modiolula phaseolina		Modiolula phaseolina (Philippi, 1844)
14	Buccinidae	Buccinidae juv.	Recording policy difference	Buccinidae Rafinesque, 1815
15	Caprella equilibra	Caprella juv.	Taxonomic resolution reduced	Caprella Lamarck, 1801
16	Cancer	Cancer pagurus juv.	Taxonomic resolution increased	Cancer pagurus Linnaeus, 1758
17	Dodecaceria	Dodecaceria		Dodecaceria Örsted, 1843
18	Dipolydora coeca	-	Specimen not found	-
19	Arenicolidae	Arenicolidae		Arenicolidae Johnston, 1835
20	Procerastea halleziana	Procerastea halleziana		Procerastea halleziana Malaquin, 1893
21	Hydroides norvegica	Hydroides norvegica		Hydroides norvegica Gunnerus, 1768
22	Cirratulus cirratus	Cirratulus cirratus		Cirratulus cirratus (O. F. Müller, 1776)
23	Pseudoparatanais batei	Pseudoparatanais batei		Pseudoparatanais batei (Sars, 1882)
24	Stenula solsbergi	Stenula solsbergi ?	Taxonomic resolution reduced	Stenula solsbergi (Schneider, 1884)
(25)	(Aphelochaeta marioni)	-	Ignore; Specimen unavailable for distribution	-





## NMBQQ Scheme Laboratory Reference Interim Results



Laboratory reference: LR24

Audit Completion Date: 10 January 2020

Date received: 28 October 2019

Auditor (lead): Tim Worsfold

Laboratory Code: BI\_2616

Auditor (review): David Hall

Key: Blue text = no change, Green text = change

No.	Original Data (OD) Identification	Edited Data (ED) Identification	Comment	WoRMS List Reference (20/01/20)
1	Gammarus tigrinus	Gammarus salinus	Taxonomic edit	Gammarus salinus Spooner, 1947
2	Tryphosites longipes	Tryphosites longipes		Tryphosites longipes (Spence Bate & Westwood, 1861)
3	Gastrosaccus spinifer	Gastrosaccus spinifer		Gastrosaccus spinifer (Goës, 1864)
4	Chaetozone gibber	Aphelochaeta Species A	Taxonomic edit	Aphelochaeta Blake, 1991
5	Leucon nasica	Leucon nasica		Leucon (Leucon) nasica (Krøyer, 1841)
6	Paradoneis lyra	Paradoneis lyra		Paradoneis lyra (Southern, 1914)
7	Pseudopolydora pulchra	Pseudopolydora pulchra		Pseudopolydora pulchra (Carazzi, 1893)
8	Eusyllis lameliger	Syllides	Taxonomic edit	Syllides Örsted, 1845
9	Spio symphyta	Spio martinensis	Taxonomic edit	Spio martinensis Mesnil, 1896
10	Bathyporeia pelagica	Bathyporeia elegans	Taxonomic edit	Bathyporeia elegans Watkin, 1938
11	Apsudes latreillii	Apsudopsis latreillii	Nomeclature update	Apsudopsis latreillii (Milne Edwards, 1828)
12	Hydroides norvegicus	Hydroides norvegica	Nomeclature update	Hydroides norvegica Gunnerus, 1768
13	Malmgreniella lunulata	Malmgrenia ljunghmani	Taxonomic edit	Malmgrenia ljunghmani (Malmgren, 1867)
14	Golfingia elongata	Thysanocardia procera	Taxonomic edit	Thysanocardia procera (Möbius, 1875)
15	Harmothoe impar	Harmothoe extenuata	Taxonomic edit	Harmothoe extenuata (Grube, 1840)
16	Phyllodoce longipes	Phyllodoce longipes		Phyllodoce longipes Kinberg, 1866
17	Glycera unicornis	Glycera unicornis		Glycera unicornis Lamarck, 1818
18	Paraexogone hebes	Paraexogone hebes		Paraexogone hebes (Webster & Benedict, 1884)
19	Polydora caulleryi	Dipolydora caulleryi	Nomeclature update	Dipolydora caulleryi (Mesnil, 1897)
20	Laonice sarsi	Laonice	Taxonomic resolution reduced	Laonice Malmgren, 1867
21	Spio filicornis	Spio symphyta	Taxonomic edit	Spio symphyta Meißner, Bick & Bastrop, 2011
22	Cirratulus cirratus	Cirratulus cirratus		Cirratulus cirratus (O. F. Müller, 1776)
23	Diplocirrus glaucus	Diplocirrus glaucus		Diplocirrus glaucus (Malmgren, 1867)
24	Aonides paucibranchiata	Aonides paucibranchiata		Aonides paucibranchiata Southern, 1914
25	Phascolion strombus	Thysanocardia procera	Taxonomic edit	Thysanocardia procera (Möbius, 1875)



## NMBAC Scheme Laboratory Reference Interim Results



Laboratory reference: LR24

Audit Completion Date: 19 November 2019

Date received: 18 November 2019

Auditor (lead): Tim Worsfold

Laboratory Code: BI\_2621

Auditor (review): David Hall

Key: Blue text = no change, Green text = change

No.	Original Data (OD) Identification	Edited Data (ED) Identification	Comment	WoRMS List Reference (20/11/19)
1	Cheirocrates	Cheirocratus female	Spelling error	Cheirocratus Norman, 1867
2	Paramysis arenosa	Paramysis arenosa		Paramysis arenosa (G.O. Sars, 1877)
3	Malmgrenia arenicolae	Malmgrenia arenicolae		Malmgrenia arenicolae (Saint-Joseph, 1888)
4	Eclysippe vanelii	Ampharete lindstroemi	Taxonomic edit	Ampharete lindstroemi Malmgren, 1867 sensu Hesse, 1917
5	Laonice bahusiensis	Laonice bahusiensis		Laonice bahusiensis Söderström, 1920
6	Exogone verugera	Exogone verugera		Exogone verugera (Claparède, 1868)
7	Terebellides cf gentili	Terebellides	Taxonomic resolution reduced	Terebellides Sars, 1835
8	Bylgides sarsi	Gattyana cirrhosa	Taxonomic edit	Gattyana cirrhosa (Pallas, 1766)
9	Gyptis propinqua	Gyptis	Taxonomic resolution reduced	Gyptis Marion, 1874
10	Eulalia mustela	Eulalia mustela		Eulalia mustela Pleijel, 1987
11	Phyllodoce	Phyllodoce lineata	Taxonomic resolution increased	Phyllodoce lineata (Claparède, 1870)
12	Phyllodoce cf longipes	Phyllodoce cf longipes		Phyllodoce longipes Kinberg, 1866
13	Phyllodoce cf groenlandica	Phyllodoce groenlandica		Phyllodoce groenlandica Örsted, 1842
14	Hydroides norvegicus	Hydroides norvegica	Nomenclature update	Hydroides norvegica Gunnerus, 1768
15	Aphelochaeta marioni	Aphelochaeta 'species A'	Taxonomic edit	Aphelochaeta Blake, 1991
16	Dipolydora sp.	Dipolydora		Dipolydora Verrill, 1881
17	Hesionidae indet.	Oxydromus pallidus	Taxonomic resolution increased	Oxydromus pallidus Claparède, 1864
18	Jasmineira caudata	Jasmineira	Taxonomic resolution reduced	Jasmineira Langerhans, 1880
19	Syllis cornuta	Syllis garciai	Taxonomic edit	Syllis garciai (Campoy, 1982)
20	Syllidae indet	Oxydromus pallidus	Taxonomic edit	Oxydromus pallidus Claparède, 1864
21	Chone sp	Chone		Chone Krøyer, 1856
22	Ampelisca typica	Ampelisca tenuicornis	Taxonomic edit	Ampelisca tenuicornis Liljeborg, 1856
23	Ampelisca typica	Ampelisca tenuicornis	Taxonomic edit	Ampelisca tenuicornis Liljeborg, 1856
24	Ampelisca typica	Ampelisca tenuicornis	Taxonomic edit	Ampelisca tenuicornis Liljeborg, 1856
25	Ampelisca typica	Ampelisca tenuicornis	Taxonomic edit	Ampelisca tenuicornis Liljeborg, 1856