



NMBAQC

NE Atlantic Marine Biological Analytical Quality Control Scheme

Laboratory Reference Module Summary Report

Benthic Invertebrate Component - 2024/25

LR29

28 July 2025

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MODULE / EXERCISE DETAILS

Module:	Laboratory Reference (LR)
Exercises:	LR29
Data/Sample Request Circulated:	16th December 2024
Sample Submission Deadline:	31st January 2025
Number of Subscribing Laboratories:	6
Number of LR Received:	4

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Summary

The Laboratory Reference module is a training module to encourage laboratories to build reference collections to improve identification consistency and to seek additional opinions for difficult specimens. The value of reference material in assisting identification cannot be over-emphasized; the creation and use of reference collections is viewed as best practice. Accordingly, the Laboratory Reference (LR) module of the Scheme was introduced in Scheme Year 3 (1996 / 1997). This module can help participating laboratories to assess their ability to identify material from their own samples. Laboratories are also able to use this exercise to obtain second opinion identifications for difficult or problematic taxa.

The relatively high number of taxonomic edits and mismatches in the LR29 Laboratory Reference submissions highlights the usefulness of these exercises. This is especially so when laboratories are compiling voucher material for Reference Collections. There is great value in gaining a second opinion from experienced taxonomists on identifications of selected specimens. Range expansions and arrivals of alien taxa may bring new unfamiliar fauna into many areas. In addition, taxonomy is always changing with revisions of various groups, leading to nomenclatural changes or descriptions of new species.

Table 1. Summary of mis-identified taxa in the Laboratory Reference Module (LR28) (erroneous identifications in brackets).

LabCode	Taxonomic Edits	Major Taxonomic Group				
		Polychaeta	Oligochaeta	Crustacea	Mollusca	Other
BI_3101	10	<i>Schistomeringos rudolphi</i> (<i>Schistomeringos neglecta</i>)	-	Ampeliscidae juv. (<i>Munnopsis</i> ?)	<i>Tritia varicosa</i> (<i>Hinia reticulata</i>)	<i>Anoplodactylus petiolatus</i> (<i>Anoplodactylus virescens</i>)
		<i>Harmothoe impar</i> (<i>Harmothoe viridis</i>)	-	-	<i>Rissoa parva</i> (<i>Crisilla</i> (<i>Alvania</i>))	-
		<i>Owenia borealis</i> (<i>Owenia fusiformis</i>)	-	-	<i>Arctica islandica</i> juv. (<i>Mysia undata</i>)	-
		<i>Laonice irinae</i> (<i>Laonice bahusensis</i>)	-	-	-	-
		<i>Syllis garciai</i> (<i>Syllis cornuta</i>)	-	-	-	-
BI_3103	7	<i>Glycera oxycephala</i> (<i>Glycera capitata</i>)	-	<i>Microdeutopus gryllotalpa</i> (<i>Microdeutopus versiculatus</i>)	-	<i>Lineus viridis</i> (<i>Cerebratulus marginatus</i>)
		<i>Phyllodoce rosea</i> (<i>Eulalia clavigera</i>)	-	<i>Jaera nordmanni</i> (<i>Jaera</i> (<i>Jaera</i>) <i>albifrons</i>)	-	-
		-	-	<i>Alpheus macrocheles</i> (<i>Axiidae</i> spp.)	-	-
		-	-	<i>Monocorophium insidiosum</i> (<i>Monocorophium uenoi</i>)	-	-
BI_3110	10	<i>Nereis pelagica</i> (<i>Nereis zonata</i>)	-	<i>Nippoleucon hinumensis</i> (<i>Leucon nasica</i>): x2	<i>Ensis magnus</i> (<i>Ensis leei</i>)	<i>Ophiactis balli</i> (<i>Amphiura chiajei</i>)
		-	-	<i>Leucothoe procera</i> (<i>Leucothoe spinicarpa</i>)	<i>Modiolus modiolus</i> (<i>Modiolus barbatus</i>)	-
		-	-	<i>Ione thoracica</i> (<i>Sternaspis scutata</i>)	-	-
		-	-	<i>Galathea nexa</i> (<i>Galathea strigosa</i>)	-	-
		-	-	<i>Stenopleustes latipes</i> (<i>Stenopleustes nodifer</i>)	-	-
BI_3111	6	<i>Harmothoe fernandi</i> (<i>Harmothoe glabra</i>)	-	-	-	<i>Amphiura securigera</i> (<i>Acrocnida brachiata</i>)
		<i>Cirratulus caudatus</i> (<i>Chaetozone vivipara</i>)	-	-	-	-
		<i>Eulalia tjalfiensis</i> (<i>Eulalia bilineata</i>)	-	-	-	-
		<i>Harmothoe glabra</i> (<i>Malmgrenia ljunmani</i>)	-	-	-	-
		<i>Harmothoe rarisipina</i> (<i>Harmothoe impar</i>)	-	-	-	-
		<i>Phyllodoce maculata</i> (<i>Phyllodoce laminosa</i>); unusually pale specimen	-	-	-	-
TOTAL	33	14	0	10	5	4
% Error	44	42	0	30	15	12

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 recording policy and taxonomic resolution changes in the Laboratory Reference Module (LR28) (original identifications in brackets).

LabCode	Number of differences	Identification policy difference explanations (participant original identifications in brackets)
BI_3101	4	<i>Polydora</i> species A (<i>Polydora ciliata</i>) - Taxonomic resolution increased
		<i>Spio symphyta</i> (<i>Spio arndti/symphyta</i>) - Taxonomic resolution increased
		<i>Eulimella acicula</i> (<i>Eulimella</i>) - Taxonomic resolution increased
		<i>Propebela turricula</i> (<i>Oenopota turricula</i>) - Nomenclature update
BI_3103	3	<i>Polydora</i> (<i>Polydora ciliata</i>) - Taxonomic resolution decreased; occipital antenna
		<i>Spirorbinae</i> (<i>Neodexiospira brasiliensis</i>) - Taxonomic resolution decreased
		<i>Munna</i> (<i>Munna kroyeri</i>) - Taxonomic resolution decreased
BI_3110	(0)	(<i>Loimia ramzega</i>) - Accepted but APEM would use <i>Loimia gigantea</i>
BI_3111	5	<i>Eumida</i> (<i>Eumida sanguinea</i>) - Taxonomic resolution decreased; unusual form
		<i>Apherusa bispinosa</i> aggregate (<i>Apherusa bispinosa</i>) - Taxonomic resolution decreased; possibly <i>A. macrocephala</i> (M. Sars, 1858)
		<i>Aphelochaeta</i> species A (<i>Aphelochaeta</i>) - Taxonomic resolution increased
		<i>Microphthalmus</i> (<i>Microphthalmus szcelkowi</i>) - Taxonomic resolution decreased
		<i>Cerebratulus</i> (<i>Cerebratulus fuscus</i>) - Taxonomic resolution decreased

Taxonomic Comments

The Lab Ref 29 exercises revealed several taxa that are infrequently, or not yet recorded, in British seas, are recent non-native arrivals to European seas or possible new taxa that have not yet been fully described. These are highlighted below along with relevant references.

Cnidaria

Desmophyllum dianthus – uncommon offshore species; see Addamo et al., 2015

Annelida

Harmothoe fernandi – uncommon offshore species; see Barnich, 2011.

Harmothoe rarispina – uncommon offshore species; see Barnich, 2011.

Eulalia tjalpiensis – uncommon offshore species, see Pleijel, 1993.

Boccardiella hamata – a non-native shell borer, first recorded in Europe in 2014; see Radashevsky, 2017.

Polydora sp. A – temporary APEM designation for a new undescribed species. It was not included in the key circulated for the spionid RT (Radashevsky, 2017). It is often distinctly yellow or rusty brown anteriorly with a stubby tail. It is subtidal, fully marine, and associated with hermit crabs (most other *Polydora* are estuarine or intertidal).

Caullieriella sp. C - temporary APEM designation for a possibly undescribed species. It would key to *C. alata* (bidentate neurochaetae from chaetiger 1) in the NMBAQC Cirratulid key but has shorter segments and head and a darker body (*C. alata* is often white or lilac-coloured).

Caullieriella sp. C often found in large numbers in mud near Scottish fish farms, while *C. alata* is mainly in low numbers in gravel samples. Further work required to fully define morphological characters.

Loimia ramzega Lavasque et al . 2017 – considered as synonym of *Loimia gigantea* by Martin et al . (2022) but synonymy not accepted on WoRMS.

Arthropoda

Nippleucon hinuensis - a non-native from Asia first recorded in Europe in 2020; Schüller et al ., 2020.

Ianiropsis serricaudis - a non-native from Asia first recorded in Europe in 2015; see Hobbs et al ., 2015.

Leucothoe procera – resurrected as a valid species by Myers & McGrath, 1982.

Aoroides semicurvatus – a non-native first recorded in Europe in 2018; see Faase et al ., 2018.

Ampithoe valida - a non-native first recorded in Europe in 2015; see Faase, 2015.

References

Addamo, A.M., Martínez-Baraldés, I., Vertino, A., López-González, P.J., Taviani, M. & Machordom, A., 2015. Morphological polymorphism of *Desmophyllum dianthus* (Anthozoa: Hexacorallia) over a wide ecological and biogeographic range: stability in deep habitats? *Zoologischer Anzeiger; a Journal of Comparative Zoology* , 259, 113-130.

Barnich, R. 2011. Identification of scale worms in British and Irish waters. NMBAQC 2010 taxonomic workshop, Dove Marine Laboratory. 52pp, February 2011. See NMBAQC website.

Faasse, M.A., 2015. New records of the non-native amphipod *Ampithoe valida* in Europe. *Marine Biodiversity Records* , 8, e87, 1-4.

Faasse, M.A., Verboom, L. & van der Loos, L., 2018. De Pacifische vlokreeft *Aoroides semicurvatus* in Nederland. *Macrofaunanieuws*, 140, 21-23.

Hobbs, N.-V. Lazo-Wasem, E, Faasse, M, Cordell, J.R., Chapman, J.W., Smith, C.S., Prezant, R, Shell, R. & Carlton, J.T., 2015. Going global: The introduction of the Asian isopod *Ianiropsis serricaudis* Gurjanova (Crustacea: Peracarida) to North America and Europe. *Aquatic Invasions* , 10(2), 177-187.

Lavesque, N., Bonifácio, P., Londoño-Mesa, M.H., Le Garrec, V. & Grall, J., 2017. *Loimia ramzega* sp.nov., a new giant species of Terebellidae (Polychaeta) from French waters (Brittany, English Channel). *Journal of the Marine Biological Association of the United Kingdom* , 97(5), 935-942.

Martin, D., Capa, M., Martínez, A. & Costa, A.C., 2022. Taxonomic implications of describing a new species of *Loimia* (Annelida, Terebellidae) with two size-dependent morphotypes. *European Journal of Taxonomy*, 833, 60- 96.
<https://europeanjournaloftaxonomy.eu/index.php/ejt/article/view/1887>

Myers, A.A. & McGrath, D., 1982. Taxonomic studies of British and Irish Amphipoda. Re-establishment of *Leucothoe procera*. *Journal of the Marine Biological Association of the U.K.* 62(3), 693-698.

Pleijel, F., 1993. Polychaeta Phyllodocidae. *Marine Invertebrates of Scandinavia*, 8, Scandinavian University Press, 159pp.

Pleijel, F., 2001. Family Phyllodocidae. Key to northern European phyllodocids. 6pp and 2 figs. IRTU/ECSA Taxonomic Workshop, Portaferry Oct. 2001, (unpublished).

Radashevsky, V.I., 2017. Identification keys and comments on the taxonomy of spionid polychaetes (Annelida: Spionidae) from the continental shelf of northern Europe. NMBAQC Ring Test no. 54, 52pp. (unpublished).

Schüler, L., Leitinger, J. & Schanz, A., 2020. First record of the Japanese cumacean *Nippoleucon hinumensis* (Gamô, 1967) (Crustacea: Cumacea: Leuconidae) from Europe. *BioInvasions Records*, 9(2), 249-258. <https://doi.org/10.3391/bir.2020.9.2.10>.

APPENDIX

LR29 individual summary reports for participating laboratories



NMBAQC Scheme Laboratory Reference Interim Results

Laboratory reference: LR29

Audit Completion Date: 30 June 2025

Date received: 10 June 2025

Auditor (lead): Rachel Jacobson

Laboratory Code: BI_3101

Auditor (review): Tim Worsfold

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

No.	Original Data (OD) Identification	Edited Data (ED) Identification	Comment	WoRMS List Reference (01/07/25)
1	Schistomeringos rudolphi	Schistomeringos rudolphi		Schistomeringos rudolphi (Delle Chiaje, 1828)
2	Schistomeringos neglecta	Schistomeringos rudolphi	Taxonomic edit	Schistomeringos rudolphi (Delle Chiaje, 1828)
3	Pseudomystides limbata	Pseudomystides limbata		Pseudomystides limbata (Saint-Joseph, 1888)
4	Phisidia aurea	Phisidia aurea		Phisidia aurea Southward, 1956
5	Harmothoe viridis	Harmothoe impar	Taxonomic edit	Harmothoe impar (Johnston, 1839)
6	Polydora ciliata	Polydora species A	Taxonomic resolution increased	Polydora Bosc, 1802
7	Aurospio banyulensis	Aurospio banyulensis		Aurospio banyulensis (Laubier, 1966)
8	Aurospio banyulensis	Aurospio banyulensis		Aurospio banyulensis (Laubier, 1966)
9	Spio arndti/symphyta	Spio symphyta	Taxonomic resolution increased	Spio symphyta Meißner, Bick & Bastrop, 2011
10	Owenia fusiformis	Owenia borealis	Taxonomic edit	Owenia borealis Koh, Bhaud & Jirkov, 2003
11	Owenia borealis	Owenia borealis		Owenia borealis Koh, Bhaud & Jirkov, 2003
12	Caulleriella sp. C	Caulleriella species C		Caulleriella Chamberlin, 1919
13	Anoplodactylus virescens	Anoplodactylus petiolatus	Taxonomic edit	Anoplodactylus petiolatus (Krøyer, 1844)
14	Munnopsis?	Ampeliscidae juv.	Taxonomic edit	Ampeliscidae Krøyer, 1842
15	Hinia reticulata	Tritia varicosa	Taxonomic edit	Tritia varicosa (W. Turton, 1825)
16	Eulimella	Eulimella acicula	Taxonomic resolution increased	Eulimella acicula (R. A. Philippi, 1836)
17	Oenopota turricula	Propebela turricula	Nomenclature update	Propebela turricula (Montagu, 1803)
18	Crisilla (Alvania)	Rissoa parva	Taxonomic edit	Rissoa parva (da Costa, 1778)
19	Epitonium clathrulum	Epitonium clathrulum		Epitonium clathrulum (Kamacher, 1798)
20	Mysia undata	Arctica islandica juv.	Taxonomic edit	Arctica islandica (Linnaeus, 1767)
21	Lepton squamosum	Lepton squamosum		Lepton squamosum (Montagu, 1803)
22	Laonice bahusiensis	Laonice irinae	Taxonomic edit	Laonice irinae Sikorski, Radashevsky & Nygren in Sikorski et al, 2021
23	Syllis cornuta	Syllis garciai	Taxonomic edit	Syllis garciai (Campoy, 1982)
24	Syllis armillaris	Syllis armillaris		Syllis armillaris (O.F. Müller, 1776)
25	Dipolydora flava	Dipolydora flava		Dipolydora flava (Claparède, 1870)



NMBAQC Scheme Laboratory Reference Interim Results

Laboratory reference: LR29

Date received: 19 February 2025

Laboratory Code: BI_3103

Audit Completion Date: 27 February 2025

Auditor (lead): Tim Worsfold

Auditor (review): Rachel Jacobson, Marta Kazubek,
Ceri Miller

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

No.	Original Data (OD)	Edited Data (ED)	Comment	WoRMS List Reference (27/02/25)
	Identification	Identification		
1	Ammothea hilgendorfi	Ammothea hilgendorfi		Ammothea hilgendorfi (Böhm, 1879)
2	Aoroides semicurvatus	Aoroides semicurvatus		Aoroides semicurvatus Ariyama, 2004
3	Microdeutopus versiculatus	Microdeutopus gryllotalpa	Taxonomic edit	Microdeutopus gryllotalpa A. Costa, 1853
4	Boccardiella hamata	Boccardiella hamata	But caruncle only to end of ch. 2	Boccardiella hamata (Webster, 1879)
5	Ampithoe valida	Ampithoe valida		Ampithoe valida S.I. Smith, 1873
6	Polydora ciliata	Polydora	Taxonomic resolution reduced; occipital antenna	Polydora Bosc, 1802
7	Dodecaceria concharum	Dodecaceria concharum		Dodecaceria concharum Örsted, 1843
8	Cirratulus incertus	Cirratulus incertus		Cirratulus incertus McIntosh, 1916
9	Ianiropsis serricaudis	Ianiropsis serricaudis		Ianiropsis serricaudis Gurjanova, 1936
10	Neodexiospira brasiliensis	Spirorbinae	Taxonomic resolution reduced	Spirorbinae Chamberlin, 1919
11	Janira maculosa	Janira maculosa		Janira maculosa Leach, 1814
12	Boccardia proboscidea	Boccardia proboscidea		Boccardia proboscidea Hartman, 1940
13	Monocorophium insidiosum	Monocorophium insidiosum		Monocorophium insidiosum (Crawford, 1937)
14	Glycera capitata	Glycera oxycephala	Taxonomic edit	Glycera oxycephala Ehlers, 1887
15	Chaetoderma nitidulum	Chaetoderma nitidulum		Chaetoderma nitidulum Lovén, 1844
16	Cerebratulus marginatus	Lineus viridis	Taxonomic edit	Lineus viridis (Müller, 1774)
17	Styela clava	Styela clava	Also: Mytilus juv.; Ascidiacea juv.	Styela clava Herdman, 1881
18	Munna kroyeri	Munna	Taxonomic resolution reduced	Munna Krøyer, 1839
19	Jaera (Jaera) albifrons	Jaera nordmanni	Taxonomic edit	Jaera (Jaera) nordmanni (Rathke, 1836)
20	Fabricia stellaris	Fabricia stellaris		Fabricia stellaris (Müller, 1774)
21	Sabella pavonina	Sabella pavonina		Sabella pavonina Savigny, 1822
22	Eulalia clavigera	Phyllodoce rosea	Taxonomic edit	Phyllodoce rosea (McIntosh, 1877)
23	Axiidae spp.	Alpheus macrocheles	Taxonomic edit	Alpheus macrocheles (Hailstone, 1835)
24	Potamocorbula amurensis	Potamocorbula amurensis		Potamocorbula amurensis (Schrenck, 1861)
25	Monocorophium uenoi	Monocorophium insidiosum	Taxonomic edit	Monocorophium insidiosum (Crawford, 1937)



NMBAQC Scheme Laboratory Reference Interim Results

Laboratory reference: LR29

Audit Completion Date: 21 July 2025

Date received: 18 July 2025

Auditor (lead): Tim Worsfold

Laboratory Code: BI_3110

Auditor (review): Rachel Jacobson

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

No.	Original Data (OD)	Edited Data (ED)		
	Identification	Identification	Comment	WoRMS List Reference (21/07/25)
1	Mya truncata	Mya truncata		Linnaeus, 1758
2	Leucon nasica	Nippoleucon hinumensis	Taxonomic edit	(Gamo, 1967)
3	Ensis leei	Ensis magnus	Taxonomic edit	Schumacher, 1817
4	Ensis magnus	Ensis magnus		Schumacher, 1817
5	Leucothoe incisa	Leucothoe incisa		Robertson, 1892
6	Leucothoe spinicarpa	Leucothoe procera	Taxonomic edit	Spence Bate, 1857
7	Sternaspis scutata	ione thoracica	Taxonomic edit	(Montagu, 1808)
8	Lanice conchilega	Lanice conchilega		(Pallas, 1766)
9	Loimia ramzega	Loimia ramzega	synonymy with L. gigantea not acknowledged on WoRMS	Lavesque, Bonifácio, Londoño-Mesa, Le Garrec & Grall, 2017
10	Loimia ramzega	Loimia ramzega	synonymy with L. gigantea not acknowledged on WoRMS	Lavesque, Bonifácio, Londoño-Mesa, Le Garrec & Grall, 2017
11	Nereis zonata	Nereis zonata		Malmgren, 1867
12	Eulalia ornata	Eulalia ornata		Saint-Joseph, 1888
13	Desmophyllum dianthus	Desmophyllum dianthus		(Esper, 1794)
14	Omalosecosa ramulosa	Omalosecosa ramulosa ?	Taxonomic resolution decreased, all zooids worn	(Linnaeus, 1767)
15	Ophiopholis aculeata	Ophiopholis aculeata		(Linnaeus, 1767)
16	Amphiura chiajei	Ophiactis balli	Taxonomic edit	(W. Thompson, 1840)
17	Hiatella rugosa	Hiatella rugosa		(Linnaeus, 1767)
18	Modiolus barbatus	Modiolus modiolus	Taxonomic edit	(Linnaeus, 1758)
19	Emarginula fissura	Emarginula fissura		(Linnaeus, 1758)
20	Galathea strigosa	Galathea nexa	Taxonomic edit	Embleton, 1836
21	Stenopleustes nodifer	Stenopleustes latipes	Taxonomic edit	(M. Sars, 1858)
22	Nereis zonata	Nereis pelagica	Taxonomic edit	Linnaeus, 1758
23	Yoldia limatula	Yoldia limatula		(Say, 1831)
24	Leucon nasica	Nippoleucon hinumensis	Taxonomic edit	(Gamo, 1967)
25	Cyathura carinata	Cyathura carinata		(Krøyer, 1847)



NMBAQC Scheme Laboratory Reference Interim Results

Laboratory reference: LR29

Date received: 1st April 2025

Laboratory Code: BL_3111

Audit Completion Date: 3rd April 2025

Auditor (lead): Rachel Jacobson

Auditor (review): Tim Worsfold

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

No.	Original Data (OD)	Edited Data (ED)		
	Identification	Identification	Comment	WoRMS List Reference (04/04/25)
1	Harmothoe glabra	Harmothoe fernandi	Taxonomic edit	Harmothoe fernandi Barnich & Fiege, 2009
2	Nephtys caeca	Nephtys caeca		Nephtys caeca (Fabricius, 1780)
3	Streblosoma bairdi	Streblosoma bairdi		Streblosoma bairdi (Malmgren, 1866)
4	Chaetozone vivpara	Cirratulus caudatus	Taxonomic edit	Cirratulus caudatus Levinsen, 1893
5	Tritia incrassata	Tritia incrassata		Tritia incrassata (Strøm, 1768)
6	Eumida bahusiensis	Eumida bahusiensis		Eumida bahusiensis Bergstrom, 1914
7	Eumida sanguinea	Eumida	Taxonomic resolution decreased; unusual form	Eumida Malmgren, 1865
8	Eulalia bilineata	Eulalia tjalfiensis	Taxonomic edit	Eulalia tjalfiensis Ditlevsen, 1917
9	Hippolyte varians	Hippolyte varians		Hippolyte varians Leach, 1814
10	Apherusa bispinosa	Apherusa bispinosa aggregate	Taxonomic resolution decreased; possibly A. macrocephala (M. Sars, 1858), see Krapp-Schickel & Kulla (2002)	Apherusa bispinosa (Spence Bate, 1857)
11	Stenosemus albus	Stenosemus albus		Stenosemus albus (Linnaeus, 1767)
12	Eunereis longissima	Eunereis longissima		Eunereis longissima (Johnston, 1840)
13	Malmgrenia ljunghmani	Harmothoe glabra	Taxonomic edit	Harmothoe glabra (Malmgren, 1865)
14	Harmothoe impar	Harmothoe rarispina	Taxonomic edit	Harmothoe rarispina (M. Sars, 1861)
15	Glycinde nordmanni	Glycinde nordmanni		Glycinde nordmanni (Malmgren, 1866)
16	Alvania punctura	Alvania punctura		Alvania punctura (Montagu, 1803)
17	Acrocnida brachiata	Amphiura securigera	Taxonomic edit	Amphiura (Ophiopeltis) securigera (Düben & Koren, 1846)
18	Aphelocheata sp.	Aphelocheata species A	Taxonomic resolution increased	Aphelocheata Blake, 1991
19	Phyllodoce maculata	Phyllodoce maculata		Phyllodoce maculata (Linnaeus, 1767)
20	Phyllodoce laminosa	Phyllodoce maculata	Taxonomic edit; unusually pale specimen	Phyllodoce maculata (Linnaeus, 1767)
21	Microphthalmus scelzkowii	Microphthalmus	Taxonomic resolution decreased	Microphthalmus Mecznirow, 1865
22	Musculus niger	Musculus niger		Musculus niger (J. E. Gray, 1824)
23	Polycirrus plumosus	Polycirrus plumosus		Polycirrus plumosus (Wolfebaek, 1912)
24	Leptostylis villosa	Leptostylis villosa		Leptostylis villosa Sars, 1869
25	Cerebratulus fuscus	Cerebratulus	Taxonomic resolution decreased	