



The National Marine Biological  
Analytical Quality Control Scheme

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## Fish Reverse Ring Test Bulletin

### F-RRT06

2014/2015

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Table 1. Summary of data and specimens received from participating laboratories for the sixth reverse ring test - FRRT\_06.

Species Submitted	Number of Specimens	Size Range (Min - Max; mm)	Number of Taxonomic Errors	Number of Taxonomic Discrepancies	Thomson Unicmarine References
<i>Raja clavata</i> ; Thornback Ray	1	113	0	0	Wheeler 1969
<i>Engraulis encrasicolus</i> ; Anchovy	5	44 - 94	0	0	Wheeler 1969
<i>Alosa fallax</i> ; Twaite shad	1	330	0	0	Wheeler 1969
<i>Clupea harengus</i> ; Herring	17	42 - 257	0	1	Maitland & Herdson 2009
<i>Sardina pilchardus</i> ; Pilchard	2	48 - 215	1	0	Maitland & Herdson 2009
<i>Sprattus sprattus</i> ; Sprat	13	35 - 122	0	0	Maitland & Herdson 2009
<i>Abramis brama</i> ; Common Bream	1	90 - 160	0	0	Maitland & Herdson 2009
<i>Leuciscus leuciscus</i> ; Dace	2	66 - 93	0	0	Maitland & Herdson 2009
<i>Phoxinus phoxinus</i> ; Minnow	1	54	0	0	Maitland & Herdson 2009
<i>Rutilus rutilus</i> ; Roach	1	135	0	0	Maitland & Herdson 2009
<i>Barbatula barbatula</i> ; Stone Loach	1	39	0	0	Maitland & Herdson 2009
<i>Argentina sphyraena</i> ; Argentine	1	160	0	0	Maitland & Herdson 2009
<i>Osmerus eperlanus</i> ; Smelt	5	77 - 166	0	0	Wheeler 1969
<i>Salmo salar</i> ; Atlantic Salmon	1	64	0	0	Maitland & Herdson 2009
<i>Salmo trutta</i> ; Brown Trout	1	128	0	0	Maitland & Herdson 2009

Table 1. Summary of data and specimens received from participating laboratories for the sixth reverse ring test - FRRT\_06.

Species Submitted	Number of Specimens	Size Range (Min - Max; mm)	Number of Taxonomic Errors	Number of Taxonomic Discrepancies	Thomson Unicmarine References
<i>Ciliata mustela</i> ; Five-bearded Rockling	3	113 - 220	0	0	Maitland & Herdson 2009
<i>Gadus morhua</i> ; Cod	4	230 - 320	0	0	Wheeler 1969
<i>Merlangius merlangus</i> ; Whiting	13	83 - 240	0	0	Wheeler 1969
<i>Micromesistius poutassou</i> ; Blue Whiting	1	180	0	0	Maitland & Herdson 2009
<i>Pollachius pollachius</i> ; Pollack	3	125 - 130	0	0	Wheeler 1969
<i>Pollachius virens</i> ; Saithe	1	141	0	0	Maitland & Herdson 2009
<i>Trisopterus luscus</i> ; Bib	9	49 - 160	0	0	Wheeler 1969
<i>Trisopterus minutus</i> ; Poor Cod	4	80 - 104	0	0	Wheeler 1969
<i>Lophius piscatorius</i> ; Anglerfish	1	220	0	0	Wheeler 1969
<i>Chelon labrosus</i> ; Thick-lipped Grey Mullet	6	26 - 136	2	0	Wheeler 1969
<i>Liza aurata</i> ; Golden Grey Mullet	1	64	1	0	Wheeler 1969
<i>Liza ramada</i> ; Thin-lipped Grey Mullet	5	42 - 58	2	0	Wheeler 1969
Unidentified Mullet	2	42 - 52	0	2	Wheeler 1969

Table 1. Summary of data and specimens received from participating laboratories for the sixth reverse ring test - FRRT\_06.

Species Submitted	Number of Specimens	Size Range (Min - Max; mm)	Number of Taxonomic Errors	Number of Taxonomic Discrepancies	Thomson Unicmarine References
<i>Atherina presbyter</i> ; Sand Smelt	11	51 - 136	0	0	Maitland & Herdson 2009
<i>Zeus faber</i> ; John Dory	2	110 - 140	0	0	Maitland & Herdson 2009
<i>Gasterosteus aculeatus</i> ; Three-spined Stickleback	1	34	0	0	Maitland & Herdson 2009
<i>Syngnathus rostellatus</i> ; Lesser Pipefish	11	73 - 133	0	1	Wheeler 1969
<i>Syngnathus acus</i> ; Greater Pipefish	5	90 - 203	1	1	Wheeler 1969
<i>Trigloporus lastoviza</i> ; Streaked Gurnard	1	280	0	0	Maitland & Herdson 2009
<i>Chelidonichthys cuculus</i> ; Red Gurnard	1	200	0	0	Wheeler 1969
<i>Chelidonichthys lucernus</i> ; Tub Gurnard	2	45 - 188	1	0	Wheeler 1969
<i>Eutrigla gurnardus</i> ; Grey Gurnard	7	65 - 150	0	0	Maitland & Herdson 2009
<i>Myoxocephalus scorpius</i> ; Bull Rout	4	91 - 167	0	0	Maitland & Herdson 2009
<i>Agonus cataphractus</i> ; Pogge	6	34 - 125	1	0	Maitland & Herdson 2009
<i>Liparis liparis</i> ; Common Sea Snail	1	136	1	0	Maitland & Herdson 2009
<i>Liparis montagui</i> ; Montagu's Sea Snail	1	97	0	0	Maitland & Herdson 2009

Table 1. Summary of data and specimens received from participating laboratories for the sixth reverse ring test - FRRT\_06.

Species Submitted	Number of Specimens	Size Range (Min - Max; mm)	Number of Taxonomic Errors	Number of Taxonomic Discrepancies	Thomson Unicmarine References
<i>Dicentrarchus labrax</i> ; Bass	13	32 - 315	0	0	Maitland & Herdson 2009
<i>Perca fluviatilis</i> ; Perch	1	115	0	0	Maitland & Herdson 2009
<i>Trachurus trachurus</i> ; Scad	2	69 - 71	0	0	Maitland & Herdson 2009
<i>Spondyliosoma cantharus</i> ; Black Bream	1	95	0	0	Maitland & Herdson 2009
<i>Mullus surmuletus</i> ; Striped Red mullet	7	64 - 240	0	0	Wheeler 1969
<i>Crenilabrus bailloni</i> ; Baillon's Wrasse	1	160	0	0	Maitland & Herdson 2009
<i>Symphodus melops</i> ; Corkwing Wrasse	3	36 - 90	0	0	Lythgoe & Lythgoe 1992
<i>Ctenolabrus rupestris</i> ; Goldsinny	3	43 - 66	1	0	Maitland & Herdson 2009
<i>Labrus bergylta</i> ; Ballan Wrasse	1	61 - 160	0	0	Lythgoe & Lythgoe 1991
<i>Zoarces viviparus</i> ; Viviparous Blenny	1	110	0	0	Maitland & Herdson 2009
<i>Pholis gunnellus</i> ; Butterfish	1	167	0	0	Maitland & Herdson 2009
<i>Ammodytes tobianus</i> ; Lesser Sandeel	5	65 - 127	0	0	Wheeler 1969
<i>Hyperoplus lanceolatus</i> ; Greater Sandeel	2	58 - 107	2	0	Wheeler 1969
<i>Echiichthys vipera</i> ; Lesser Weever	4	107 - 145	0	0	Maitland & Herdson 2009

Table 1. Summary of data and specimens received from participating laboratories for the sixth reverse ring test - FRRT\_06.

Species Submitted	Number of Specimens	Size Range (Min - Max; mm)	Number of Taxonomic Errors	Number of Taxonomic Discrepancies	Thomson Unicmarine References
<i>Apletodon dentatus</i> ; Small-headed Clingfish	1	29	1	0	Maitland & Herdson 2009
<i>Callionymus lyra</i> ; Common Dragonet	9	65 - 224	0	0	Maitland & Herdson 2009
<i>Callionymus maculatus</i> ; Spotted Dragonet	1	60	0	0	Maitland & Herdson 2009
<i>Aphia minuta</i> ; Transparent Goby	6	31 - 38	0	0	Lythgoe & Lythgoe 1991
<i>Gobius couchi</i> ; Couch's Goby	1	67	0	0	Lythgoe & Lythgoe 1991
<i>Gobius niger</i> ; Black Goby	5	69 - 97	0	0	Lythgoe & Lythgoe 1991
<i>Gobius paganellus</i> ; Rock Goby	2	39 - 46	0	0	Lythgoe & Lythgoe 1991
<i>Gobiusculus flavescens</i> ; Two-spotted Goby	3	38 - 41	0	0	Lythgoe & Lythgoe 1991
<i>Pomatoschistus microps</i> ; Common Goby	9	30 - 77	4	0	Lythgoe & Lythgoe 1991
<i>Pomatoschistus minutus</i> ; Sand Goby	15	36 - 78	5	0	Lythgoe & Lythgoe 1991
<i>Pomatoschistus pictus</i> ; Painted Goby	5	33 - 50	1	0	Lythgoe & Lythgoe 1991
<i>Scomber scombrus</i> ; Atlantic Mackerel	1	220	0	0	Maitland & Herdson 2009
<i>Scophthalmus maximus</i> ; Turbot	3	30 - 86	0	0	Maitland & Herdson 2009
<i>Scophthalmus rhombus</i> ; Brill	1	97	0	0	Maitland & Herdson 2009

Table 1. Summary of data and specimens received from participating laboratories for the sixth reverse ring test - FRRT\_06.

Species Submitted	Number of Specimens	Size Range (Min - Max; mm)	Number of Taxonomic Errors	Number of Taxonomic Discrepancies	Thomson Unicomarine References
<i>Zeugopterus punctatus</i> ; Topknot	1	91	0	0	Maitland & Herdson 2009
<i>Zeugopterus regius</i> ; Eckström's Topknot	1	90	0	0	Maitland & Herdson 2009
<i>Glyptocephalus cynoglossus</i> ; Witch	1	223	0	0	Maitland & Herdson 2009
<i>Hippoglossoides platessoides</i> ; Long Rough Dab	1	207	0	0	Maitland & Herdson 2009
<i>Limanda limanda</i> ; Dab	8	42 - 230	0	0	Maitland & Herdson 2009
<i>Microstomus kitt</i> ; Lemon Sole	1	290	0	0	Maitland & Herdson 2009
<i>Platichthys flesus</i> ; Flounder	11	40 - 325	0	0	Wheeler 1969
<i>Pleuronectes platessa</i> ; Plaice	13	45 - 275	0	0	Wheeler 1969
<i>Arnoglossus laterna</i> ; Scaldfish	3	27 - 96	0	0	Wheeler 1969
<i>Buglossidium luteum</i> ; Solenette	7	41 - 112	0	0	Maitland & Herdson 2009
<i>Microchirus variegatus</i> ; Thickback Sole	1	105	0	0	Maitland & Herdson 2009
<i>Solea solea</i> ; Common Sole	6	74 - 185	1	0	Maitland & Herdson 2009



Table 2. Summary of taxonomic errors / discrepancies by participating laboratories for the sixth fish reverse ring test; FRRT\_06, sorted by taxonomic group.

Total Number of Entries - 320

Total Number of Taxonomic differences - 30

LabCode	Laboratory Identification	Thomson Unicornarine Identification	Reason for Taxonomic Error (TE) / Taxonomic Discrepancy (TD)
2101	<i>Clupea harengus</i> ; Herring	<i>Clupeidae</i> sp.	TD - Specimen damaged. Pelvic fin missing, unable to determine alignment in relation to the dorsal fin
2103	<i>Sardina pilchardus</i> ; Pilchard	<i>Sprattus sprattus</i> ; Sprat	TE - No radiating ridges on operculum. Keeled body. Pectoral fin origin situated in front of dorsal fin origin
2109	<i>Chelon labrosus</i> ; Thick-lipped Grey Mullet	<i>Liza ramada</i> ; Thin-lipped Grey Mullet	TE - Upper lip less than 1/3 of eye diameter. Pectoral fin does not extend to or beyond the eye
2113	<i>Chelon labrosus</i> ; Thick-lipped Grey Mullet	<i>Liza aurata</i> ; Golden Grey Mullet	TE - Ventral head pigmentation pattern; heaviest in ventro-opercular area
2103	<i>Liza aurata</i> ; Golden Grey Mullet	<i>Chelon labrosus</i> ; Thick-lipped Grey Mullet	TE - Upper lip is not less than 1/3 of eye diameter. Pectoral fin reaches the eye. No gold spot on cheek
2105	<i>Liza ramada</i> ; Thin-lipped Mullet	<i>Chelon labrosus</i> ; Thick-lipped Grey Mullet	TE - Ventral head pigmentation
2130	<i>Liza ramada</i> ; Thin-lipped Mullet	<i>Liza aurata</i> ; Golden Grey Mullet	TE - Ventral head pigmentation pattern; heaviest in ventro-opercular area
2103	Unknown mullet	<i>Chelon labrosus</i> ; Thick-lipped Grey Mullet	TD - Pectoral fin extends to eye, lack of golden pigmentation
2103	Unknown mullet	<i>Chelon labrosus</i> ; Thick-lipped Grey Mullet	TD - Ventral head pigmentation pattern; heaviest pattern in mandibular, ventro-opercular and jugular
2109	<i>Syngnathus rostellatus</i> ; Lesser Pipefish	<i>Syngnathidae</i> sp.	TD - Photograph submitted, unable to view identifiable ID features
2104	<i>Syngnathus acus</i> ; Greater Pipefish	<i>Syngnathus rostellatus</i> ; Lesser Pipefish	TE - Dorsal fin covers 12 body rings. No conspicuous ridge along nape. 15 abdominal rings
2109	<i>Syngnathus acus</i> ; Greater Pipefish	<i>Syngnathidae</i> sp.	TD- Photograph submitted, unable to view identifiable ID features
2121	<i>Trigla lucerna</i> ; Tub Gurnard	<i>Eutrigla gurnardus</i> ; Grey Gurnard	nc, TE - Spiney lateral line. Dusky blotch on 1st dorsal fin. Snout lacks 2 lobes bearing small spines on front edge
2129	<i>Agonus cataphractus</i> ; Pogge	<i>Eutrigla gurnardus</i> ; Grey Gurnard	TE - Body and head profile. Eye position. Longer pectoral fins. Spines along lateral line
2111	<i>Liparis montagui</i> ; Common Seasnail	<i>Liparis liparis</i> ; Common Seasnail	TE - Dorsal and anal fins attached to tail fin. Damage to specimen

Table 2. Summary of taxonomic errors / discrepancies by participating laboratories for the sixth fish reverse ring test; FRRT\_06, sorted by taxonomic group.

LabCode	Laboratory Identification	Thomson Unicornarine Identification	Reason for Taxonomic Error (TE) / Taxonomic Discrepancy (TD)
2110	<i>Ctenolabrus rupestris</i> ; Goldsinny	<i>Labrus bergylta</i> ; Ballan Wrasse	TE - Black spot absent on body or near tail fin. 19 spines on dorsal fin. Rear edge of preoperculum smooth
2110	<i>Hyperoplus lanceolatus</i> ; Greater Sandeel	<i>Hyperoplus immaculatus</i> ; Corbin's Sandeel	TE - Absence of dark patch on snout
2042	<i>Hyperoplus lanceolatus</i> ; Greater Sandeel	<i>Ammodytes tobianus</i> ; Lesser Sandeel	TE - Protrusible jaw, lack of bifid tooth structure in roof of mouth. Lack of dark spot on snout. 50 rays in the dorsal fin
2122	<i>Apletodon dentatus</i> ; Small Headed Clingfish	<i>Diplecogaster bimaculata</i> ; Two-spotted Clingfish	TE - Teeth uniform; side canine teeth not enlarged
2102	<i>Pomatoschistus microps</i> ; Common Goby	<i>Pomatoschistus minutus</i> ; Sand Goby	TE - Pigmentation under lower jaw in horizontal rows, villi present on pelvic disc anterior membrane
2103	<i>Pomatoschistus microps</i> ; Common Goby	<i>Pomatoschistus minutus</i> ; Sand Goby	TE - Pigmentation under lower jaw in horizontal rows, villi present on pelvic disc anterior membrane
2110	<i>Pomatoschistus microps</i> ; Common Goby	<i>Pomatoschistus pictus</i> ; Painted Goby	TE - Pigmentation under lower jaw is 'heavy dark', pelvic disc anterior membrane smooth
2111	<i>Pomatoschistus microps</i> ; Common Goby	<i>Pomatoschistus minutus</i> ; Sand Goby	TE - Pigmentation under lower jaw in horizontal rows, villi present on pelvic disc anterior membrane
2105	<i>Pomatoschistus minutus</i> ; Sand Goby	<i>Pomatoschistus microps</i> ; Common Goby	TE - Pigmentation under lower jaw almost absent. Pelvic disc anterior membrane without villi
2114	<i>Pomatoschistus minutus</i> ; Sand Goby	<i>Pomatoschistus microps</i> ; Common Goby	TE - Pigmentation under lower jaw almost absent. Pelvic disc anterior membrane without villi
2118	<i>Pomatoschistus minutus</i> ; Sand Goby	<i>Pomatoschistus microps</i> ; Common Goby	TE - Pigmentation under lower jaw almost absent. Pelvic disc anterior membrane without villi
2123	<i>Pomatoschistus minutus</i> ; Sand Goby	<i>Pomatoschistus microps</i> ; Common Goby	TE - Pigmentation under lower jaw almost absent. Pelvic disc anterior membrane without villi
2129	<i>Pomatoschistus minutus</i> ; Sand Goby	<i>Pomatoschistus pictus</i> ; Painted Goby	TE - Pigmentation under lower jaw is 'heavy dark', pelvic disc anterior membrane smooth
2122	<i>Pomatoschistus pictus</i> ; Painted Goby	<i>Pomatoschistus minutus</i> ; Sand Goby	TE - Ventral head pigmentation, villi present on pelvic disc anterior membrane
2120	<i>Solea solea</i> ; Common Sole	<i>Buglossidium luteum</i> ; Solenette	TE - Every 5 or 6 dorsal and anal fin ray is black. Pectoral fin on blind side is a single long ray and two smaller ones.

NMBAQC Scheme Interim Results

**EXERCISE DETAILS**

Fish Reverse Ring Test - F\_RRT06  
 Return Deadline - 12/12/2014  
 Data Received - 26/11/2014  
 Specimens Received - 07/11/2014  
 Number of Subscribing Laboratories - 23  
 Laboratory Code - 2101

Key to codes:

TE - Taxonomic error  
 TD - Taxonomic discrepancy  
 sp - Spelling error  
 nc - Name change  
 sy - Synonym  
 mx - Mixture of species  
 \* - Problem taxa indicated  
 TUM - Thomson Unicomarine

Specimen No.	Laboratory id. (Genus species; common name; length in mm)	Thomson Unicomarine identification	Code / Comments
1	<i>Pleuronectes platessa</i> ; Plaice; 186	<i>Pleuronectes platessa</i> ; Plaice	-
2	<i>Trisopterus luscus</i> ; Pouting; 122	<i>Trisopterus luscus</i> ; Pouting	-
3	<i>Merlangius merlangus</i> ; Whiting; 140	<i>Merlangius merlangus</i> ; Whiting	-
4	<i>Callionymus lyra</i> ; Common Dragonet; 125	<i>Callionymus lyra</i> ; Common Dragonet	-
5	<i>Limanda limanda</i> ; Dab; 63	<i>Limanda limanda</i> ; Dab	-
6	<i>Pomatoschistus pictus</i> ; Painted Goby; 40	<i>Pomatoschistus pictus</i> ; Painted Goby	-
7	<i>Buglossidium luteum</i> ; Solenette; 86	<i>Buglossidium luteum</i> ; Solenette	-
8	<i>Echiichthys vipera</i> ; Lesser weever; 107	<i>Echiichthys vipera</i> ; Lesser Weever	-
9	<i>Ammodytes tobianus</i> ; Lesser sandeel; 110	<i>Ammodytes tobianus</i> ; Lesser Sandeel	-
10	<i>Pomatoschistus microps</i> ; Common Goby; 40	<i>Pomatoschistus microps</i> ; Common Goby	-
11	<i>Atherina presbyter</i> ; Sand smelt; 70	<i>Atherina presbyter</i> ; Sand Smelt	-
12	<i>Clupea harengus</i> ; Herring; 43	<i>Clupeidae</i> sp.	TD - Specimen damaged. Pelvic fin missing, unable to determine alignment in relation to the dorsal fin
13	<i>Pomatoschistus minutus</i> ; Sand goby; 66	<i>Pomatoschistus minutus</i> ; Sand Goby	-
14	<i>Chelon labrosus</i> ; Thick lipped grey mullet; 136	<i>Chelon labrosus</i> ; Thick lipped Grey Mullet	-
15	<i>Platichthys flesus</i> ; Flounder; 95	<i>Platichthys flesus</i> ; Flounder	-

NMBAQC Scheme Interim Results

**EXERCISE DETAILS**

Fish Reverse Ring Test - F\_RRT06  
 Return Deadline - 12/12/2014  
 Data Received - 27/11/2014  
 Specimens Received - 28/11/2014  
 Number of Subscribing Laboratories - 23  
 Laboratory Code - 2102

Key to codes:

TE - Taxonomic error  
 TD - Taxonomic discrepancy  
 sp - Spelling error  
 nc - Name change  
 sy - Synonym  
 mx - Mixture of species  
 \* - Problem taxa indicated  
 TUM - Thomson Unicomarine

Specimen No.	Laboratory id. (Genus species; common name; length in mm)	Thomson Unicomarine identification	Code / Comments
1	<i>Clupea harengus</i> ; Herring; 78	<i>Clupea harengus</i> ; Herring	-
2	<i>Callionymus lyra</i> ; Dragonet; 65	<i>Callionymus lyra</i> ; Common dragonet	-
3	<i>Pomatoschistus pictus</i> ; Painted Goby; 33	<i>Pomatoschistus pictus</i> ; Painted Goby	-
4	<i>Gobius niger</i> ; Black Goby; 74	<i>Gobius niger</i> ; Black Goby	-
5	<i>Pomatoschistus minutus</i> ; Sand Goby; 65	<i>Pomatoschistus minutus</i> ; Sand Goby	-
6	<i>Pomatoschistus microps</i> ; Common Goby; 39	<i>Pomatoschistus minutus</i> ; Sand Goby	TE - Pigmentation under lower jaw in horizontal rows, villi present on pelvic disc anterior membrane
7	<i>Limanda limanda</i> ; Dab; 46	<i>Limanda limanda</i> ; Dab	-
8	<i>Mullus surmuletus</i> ; Striped Red Mullet; 64	<i>Mullus surmuletus</i> ; Striped Red Mullet	-
9	<i>Ctenolabrus rupestris</i> ; Goldsinny Wrasse; 49	<i>Ctenolabrus rupestris</i> ; Goldsinny Wrasse	-
10	<i>Crenilabrus melops</i> ; Corkwing Wrasse; 58	<i>Symphodus melops</i> ; Corkwing Wrasse	sp; sy
11	<i>Syngnathus acus</i> ; Greater Pipefish; 94	<i>Syngnathus acus</i> ; Greater Pipefish	-
12	<i>Atherina presbyter</i> ; Sand Smelt; 56	<i>Atherina presbyter</i> ; Sand Smelt	-
13	<i>Scophthalmus maximus</i> ; Turbot; 86	<i>Scophthalmus maximus</i> ; Turbot	-
14	<i>Ammodytes tobianus</i> ; Lesser Sandeel; 92	<i>Ammodytes tobianus</i> ; Lesser Sandeel	-
15	<i>Sprattus sprattus</i> ; Sprat; 47	<i>Sprattus sprattus</i> ; Sprat	-

NMBAQC Scheme Interim Results

**EXERCISE DETAILS**

Fish Reverse Ring Test - F\_RRT06

Return Deadline - 12/12/2014

Data Received - 14/11/2014

Specimens Received - 17/11/2014

Number of Subscribing Laboratories - 23

Laboratory Code - 2103

Key to codes:

TE - Taxonomic error

TD - Taxonomic discrepancy

sp - Spelling error

nc - Name change

sy - Synonym

mx - Mixture of species

\* - Problem taxa indicated

TUM - Thomson Unicomarine

Specimen No.	Laboratory Id. (Genus species; common name; length in mm)	Thomson Unicomarine Identification	Code / Comments
1	<i>Pleuronectes platessa</i> ; Plaice; 132	<i>Pleuronectes platessa</i> ; Plaice	-
2	<i>Ammodytes tobianus</i> ; Lesser Sandeel; 127	<i>Ammodytes tobianus</i> ; Lesser Sandeel	-
3	<i>Engraulis encrasicolus</i> ; Anchovy; 58	<i>Engraulis encrasicolus</i> ; Anchovy	-
4	Unknown Mullet sp.; 52	<i>Chelon labrosus</i> ; Thick-lipped Grey Mullet	TD - Upper lip is not less than 1/3 of eye diameter. Pectoral fin reaches eye, lack of golden pigmentation
5	<i>Dicentrarchus labrax</i> ; Sea bass; 52	<i>Dicentrarchus labrax</i> ; Bass	-
6	<i>Atherina presbyter</i> ; Sand Smelt; 72	<i>Atherina presbyter</i> ; Sand Smelt	-
7	<i>Mullus surmuletus</i> ; Red Striped Mullet; 98	<i>Mullus surmuletus</i> ; Red Striped Mullet	-
8	<i>Sardina pilchardus</i> ; Pilchard; 48	<i>Sprattus sprattus</i> ; Sprat	TE - No radiating ridges on operculum. Keeled body. Pelvic fin origin situated in front of dorsal fin origin
9	<i>Pomatoschistus microps</i> ; Common goby; 30	<i>Pomatoschistus minutus</i> ; Sand Goby	TE - Pigmentation under lower jaw in horizontal rows, villi present on pelvic disc anterior membrane
10	<i>Pomatoschistus minutus</i> ; Sand goby; 49	<i>Pomatoschistus minutus</i> ; Sand Goby	-
11	<i>Chelon labrosus</i> ; Thick-lipped mullet; 43	<i>Chelon labrosus</i> ; Thick-lipped Mullet	-
12	<i>Sprattus sprattus</i> ; Sprat; 47	<i>Sprattus sprattus</i> ; Sprat	-
13	<i>Liza aurata</i> ; Golden Grey Mullet; 64	<i>Chelon labrosus</i> ; Thick-lipped Mullet	TE - Upper lip is not less than 1/3 of eye diameter. No gold spot on cheek or gill cover
14	<i>Chelon labrosus</i> ; Thick-lipped mullet; 107	<i>Chelon labrosus</i> ; Thick-lipped Mullet	-
15	Unknown Mullet; 42	<i>Chelon labrosus</i> ; Thick-lipped Mullet	TD - Ventral head pigmentation pattern; heaviest pattern in mandibular, ventro-opercular and jugular

**EXERCISE DETAILS**

Fish Reverse Ring Test - F\_RRT06  
 Return Deadline - 12/12/2014  
 Data Received - 05/12/14  
 Specimens Received - 08/12/14  
 Number of Subscribing Laboratories - 23  
 Laboratory Code - 2104

Key to codes:

TE - Taxonomic error  
 TD - Taxonomic discrepancy  
 sp - Spelling error  
 nc - Name change  
 sy - Synonym  
 mx - Mixture of species  
 \* - Problem taxa indicated  
 TUM - Thomson Unicomarine

Specimen No.	Laboratory Id. (Genus species; common name; length in mm)	Thomson Unicomarine Identification	Code / Comments
1	<i>Dicentrarchus labrax</i> ; Bass; 81	<i>Dicentrarchus labrax</i> ; Bass	-
2	<i>Osmerus eperlanus</i> ; Smelt; 80	<i>Osmerus eperlanus</i> ; Smelt	-
3	<i>Pleuronectes platessa</i> ; Plaice; 79	<i>Pleuronectes platessa</i> ; Plaice	-
4	<i>Atherina presbyter</i> ; Sand smelt; 77	<i>Atherina presbyter</i> ; Sand Smelt	-
5	<i>Gobiusculus flavescens</i> ; 2 spotted goby; 41	<i>Gobiusculus flavescens</i> ; 2-spotted Goby	-
6	<i>Syngnathus acus</i> ; Greater Pipefish; 90	<i>Syngnathus rostellatus</i> ; Lesser Pipefish	TE - Dorsal fin covers 12 body rings. No conspicuous ridge along nape. 15 abdominal rings
7	<i>Liza ramada</i> ; Thin-lipped Mullet; 100	<i>Liza ramada</i> ; Thin-lipped Mullet	-
8	<i>Clupea harengus</i> ; Herring; 57	<i>Clupea harengus</i> ; Herring	-
9	<i>Pollachius pollachius</i> ; Pollack; 130	<i>Pollachius pollachius</i> ; Pollack	-
10	<i>Dicentrarchus labrax</i> ; Bass; 63	<i>Dicentrarchus labrax</i> ; Bass	-
11	-	-	No Specimen submitted
12	-	-	No Specimen submitted
13	-	-	No Specimen submitted
14	-	-	No Specimen submitted
15	-	-	No Specimen submitted

**EXERCISE DETAILS**

Fish Reverse Ring Test - F\_RRT06

Return Deadline - 12/12/2014

Data Received - 12/12/2014

Specimens Received - 12/12/2014

Number of Subscribing Laboratories - 23

Laboratory Code - 2105

Key to codes:

TE - Taxonomic error

TD - Taxonomic discrepancy

sp - Spelling error

nc - Name change

sy - Synonym

mx - Mixture of species

\* - Problem taxa indicated

TUM - Thomson Unicmarine

Specimen No.	Laboratory Id. (Genus species; common name; length in mm)	Thomson Unicmarine Identification	Code / Comments
1	<i>Osmerus eperlanus</i> ; Smelt; 108, 177, 122, 134	<i>Osmerus eperlanus</i> ; Smelt	-
2	<i>Solea solea</i> ; Dover Sole; 74, 79, 87, 99	<i>Solea solea</i> ; Common Sole	-
3	<i>Pomatoschistus minutus</i> ; Sand Goby; 36, 40	<i>Pomatoschistus microps</i> ; Common Goby	TE - Pigmentation under lower jaw almost absent. Pelvic disc anterior membrane without villi
4	<i>Abramis brama</i> ; Common Bream; 90, 130, 160	<i>Abramis brama</i> ; Common Bream	-
5	<i>Dicentrarchus labrax</i> ; European Sea bass; 32, 65, 95	<i>Dicentrarchus labrax</i> ; Bass	-
6	<i>Leuciscus leuciscus</i> ; Dace; 85, 85, 85, 93, 93	<i>Leuciscus leuciscus</i> ; Dace	-
7	<i>Agonus cataphractus</i> ; Pogge; 94	<i>Agonus cataphractus</i> ; Pogge	-
8	<i>Perca fluviatilis</i> ; Perch; 115	<i>Perca fluviatilis</i> ; Perch	-
9	<i>Sprattus sprattus</i> ; Sprat; 61	<i>Sprattus sprattus</i> ; Sprat	-
10	<i>Clupea harengus</i> ; Herring; 67, 91	<i>Clupea harengus</i> ; Herring	-
11	<i>Rutilus rutilus</i> ; Roach; 135	<i>Rutilus rutilus</i> ; Roach	-
12	<i>Platichthys flesus</i> ; Flounder; 64, 86, 86	<i>Platichthys flesus</i> ; Flounder	-
13	<i>Pomatoschistus pictus</i> ; Painted Goby; 47; 50	<i>Pomatoschistus pictus</i> ; Painted Goby	-
14	-	-	No specimen submitted
15	<i>Liza ramada</i> ; Thin lipped grey mullet; 42	<i>Chelon labrosus</i> ; Thick-lipped Grey Mullet	TE - Ventral head pigmentation pattern; heaviest pattern in mandibular, ventro-opercular and jugular

**EXERCISE DETAILS**

Fish Reverse Ring Test - F\_RRT06  
 Return Deadline - 12/12/2014  
 Data Received - 04/12/2014  
 Specimens Received - 09/12/2014  
 Number of Subscribing Laboratories - 23  
 Laboratory Code - 2106

Key to codes:

TE - Taxonomic error  
 TD - Taxonomic discrepancy  
 sp - Spelling error  
 nc - Name change  
 mx - Mixture of species  
 sy - Synonym  
 \* - Problem taxa indicated  
 TUM - Thomson Unicomarine

Specimen No.	Laboratory id. (Genus species; common name; length in mm)	Thomson Unicomarine identification	Code / Comments
1	<i>Merlangius merlangus</i> ; Whiting; 195	<i>Merlangius merlangus</i> ; Whiting	-
2	<i>Trisopterus luscus</i> ; Bib; 86	<i>Trisopterus luscus</i> ; Bib	-
3	<i>Pleuronectes platessa</i> ; Plaice; 56	<i>Pleuronectes platessa</i> ; Plaice	-
4	<i>Arnoglossus laterna</i> ; Scaldfish; 96	<i>Arnoglossus laterna</i> ; Scaldfish	-
5	<i>Mullus surmuletus</i> ; Striped red mullet; 135	<i>Mullus surmuletus</i> ; Striped Red Mullet	-
7	<i>Trachurus trachurus</i> ; Scad; 69	<i>Trachurus trachurus</i> ; Scad	-
8	<i>Buglossidium luteum</i> ; Solenette; 52	<i>Buglossidium luteum</i> ; Solenette	-
9	<i>Pomatoschistus minutus</i> ; Sand goby; 55	<i>Pomatoschistus minutus</i> ; Sand goby	-
10	<i>Sprattus sprattus</i> ; Sprat; 83	<i>Sprattus sprattus</i> ; Sprat	-
11	<i>Clupea harengus</i> ; Herring; 83	<i>Clupea harengus</i> ; Herring	-
12	<i>Callionymus lyra</i> ; Common dragonet; 224	<i>Callionymus lyra</i> ; Common Dragonet	-
13	<i>Syngnathus rostellatus</i> ; Lesser pipefish; 87	<i>Syngnathus rostellatus</i> ; Lesser pipefish	-
14	<i>Echiichthys vipera</i> ; Lesser weaver; 108	<i>Echiichthys vipera</i> ; Lesser Weever	-
15	-	-	No specimen submitted



NMBAQC Scheme Interim Results

**EXERCISE DETAILS**

Fish Reverse Ring Test - F\_RRT06  
 Return Deadline - 12/12/2014  
 Data Received - 24/11/2014  
 Specimens Received - 26/11/2014  
 Number of Subscribing Laboratories - 23  
 Laboratory Code - 2109

Key to codes:

TE - Taxonomic error  
 TD - Taxonomic discrepancy  
 sp - Spelling error  
 nc - Name change  
 mx - Mixture of species  
 sy - Synonym  
 \* - Problem taxa indicated  
 TUM - Thomson Unicomarine

Specimen No.	Laboratory id. (Genus species; common name; length in mm)	Thomson Unicomarine identification	Code / Comments
1	<i>Gobius paganellus</i> ; Rock Goby; 39	<i>Gobius paganellus</i> ; Rock Goby	-
2	<i>Sprattus sprattus</i> ; Sprat; 35,35,35	<i>Sprattus sprattus</i> ; Sprat	-
3	<i>Clupea harengus</i> ; Herring; 42,45	<i>Clupea harengus</i> ; Herring	-
4	<i>Ammodytes tobianus</i> ; Lesser sandeel; 65,70	<i>Ammodytes tobianus</i> ; Lesser Sandeel	-
5	<i>Gobiusculus flavescens</i> ; Two spotted goby; 38	<i>Gobiusculus flavescens</i> ; Two-spotted Goby	-
6	<i>Dicentrarchus labrax</i> ; Bass; 69	<i>Dicentrarchus labrax</i> ; Bass	-
7	<i>Phoxinus phoxinus</i> ; Minnow; 54	<i>Phoxinus phoxinus</i> ; Minnow	-
8	<i>Chelon labrosus</i> ; Thick lipped grey mullet; 65	<i>Liza ramada</i> ; Thin-lipped Grey Mullet	TE - Upper lip less than 1/3 of eye diameter. Pectoral fin does not reach eye.
9	<i>Pomatoschistus minutus</i> ; Sand goby; 70	<i>Pomatoschistus minutus</i> ; Sand Goby	-
10	<i>Platichthys flesus</i> ; Flounder; 40	<i>Platichthys flesus</i> ; Flounder	-
11	<i>Atherina presbyter</i> ; Sand smelt; 63	<i>Atherina presbyter</i> ; Sand Smelt	-
12	<i>Gasterosteus aculeatus</i> ; Three spined stickleback; 34	<i>Gasterosteus aculeatus</i> ; Three-spined Stickleback	-
13	<i>Leuciscus leuciscus</i> ; Dace; 66	<i>Leuciscus leuciscus</i> ; Dace	-
14	<i>Syngnathus acus</i> ; Lesser pipefish; 133	Photograph submitted	TD - Unable to view identifiable ID features. Wrong name.
15	<i>Syngnathus rostellatus</i> ; Greater pipefish; ?	Photograph submitted	TD - Unable to view identifiable ID features. Wrong name.

NMBAQC Scheme Interim Results

**EXERCISE DETAILS**

Fish Reverse Ring Test - F\_RRT06  
 Return Deadline - 12/12/2014  
 Data Received - 10/12/2014  
 Specimens Received - 15/12/2014  
 Number of Subscribing Laboratories - 23  
 Laboratory Code - 2110

Key to codes:

TE - Taxonomic error  
 TD - Taxonomic discrepancy  
 sp - Spelling error  
 nc - Name change  
 mx - Mixture of species  
 sy - Synonym  
 \* - Problem taxa indicated  
 TUM - Thomson Unicomarine

Specimen No.	Laboratory id. (Genus species; common name; length in mm)	Thomson Unicomarine Identification	Code / Comments
1	<i>Ctenolabrus rupestris</i> ; Goldsinny; 66	<i>Labrus bergylta</i> ; Ballan Wrasse	TE - Black spot on body or near tail fin absent. 19 spines on dorsal fin. Rear edge of preoperculum smooth
2	<i>Trachurus trachurus</i> ; Scad; 71	<i>Trachurus trachurus</i> ; Scad	-
3	<i>Gobiusculus flavescens</i> ; Two-spotted goby; 54	<i>Gobiusculus flavescens</i> ; Two-spotted Goby	-
4	<i>Hyperoplus lanceolatus</i> ; Greater sandeel; 107	<i>Hyperoplus immaculatus</i> ; Corbin's Sandeel	TE - Black patch absent on snout
5	<i>Chelon labrosus</i> ; Thick-lipped grey mullet; 49	<i>Chelon labrosus</i> ; Thick-lipped Grey Mullet	-
6	<i>Labrus bergylta</i> ; Ballan wrasse; 61	<i>Labrus bergylta</i> ; Ballan wrasse	-
7	<i>Psetta maxima</i> ; Turbot; 30	<i>Scophthalmus maximus</i> ; Turbot	nc
8	<i>Zeugopterus punctatus</i> ; Topknot; 91	<i>Zeugopterus punctatus</i> ; Topknot	-
9	<i>Zeugopterus regius</i> ; Eckstrom's topknot; 90	<i>Zeugopterus regius</i> ; Eckström's Topknot	-
10	<i>Syngnathus rostellatus</i> ; Lesser pipefish; 101	<i>Syngnathus rostellatus</i> ; Lesser Pipefish	-
11	<i>Pomatoschistus microps</i> ; Common goby; 45	<i>Pomatoschistus pictus</i> ; Painted Goby	TE - Pigmentation under lower jaw is 'heavy dark', pelvic disc anterior membrane smooth
12	<i>Dicentrarchus labrax</i> ; Sea bass; 33	<i>Dicentrarchus labrax</i> ; Bass	-
13	<i>Eutrigla gurnardus</i> ; Grey gurnard; 65	<i>Eutrigla gurnardus</i> ; Grey Gurnard	-
14	<i>Salmo salar</i> ; Atlantic salmon; 64	<i>Salmo salar</i> ; Atlantic Salmon	-
15	<i>Barbatula barbatula</i> ; Stone loach; 39	<i>Barbatula barbatula</i> ; Stone Loach	-

NMBAQC Scheme Interim Results

**EXERCISE DETAILS**

Fish Reverse Ring Test - F\_RRT06  
 Return Deadline - 12/12/2014  
 Data Received - 09/12/2014  
 Specimens Received - 10/12/2014  
 Number of Subscribing Laboratories - 23  
 Laboratory Code - 2111

Key to codes:

TE - Taxonomic error  
 TD - Taxonomic discrepancy  
 sp - Spelling error  
 nc - Name change  
 mx - Mixture of species  
 sy - Synonym  
 \* - Problem taxa indicated  
 TUM - Thomson Unicomarine

Specimen No.	Laboratory id. (Genus species; common name; length in mm)	Thomson Unicomarine identification	Code / Comments
1	<i>Hippoglossoides platessoides</i> ; Long Rough Dab; 207	<i>Hippoglossoides platessoides</i> ; Long Rough Dab	-
2	<i>Glyptocephalus cynoglossus</i> ; Witch; 223	<i>Glyptocephalus cynoglossus</i> ; Witch	sp
3	<i>Limanda limanda</i> ; Dab; 172	<i>Limanda limanda</i> ; Dab	-
4	<i>Liparis montagui</i> ; Montagu's seasnail; 97	<i>Liparis liparis</i> ; Common Seasnail	TE - Dorsal and anal fins attached to tail fin. Damage to specimen
5	<i>Liparis liparis</i> ; Common seasnail; 136	<i>Liparis liparis</i> ; Common Seasnail	-
6	<i>Myoxocephalus scorpius</i> ; Father lasher; 91	<i>Myoxocephalus scorpius</i> ; Bull Rout	-
7	<i>Osmerus eperlanus</i> ; Smelt; 70	<i>Osmerus eperlanus</i> ; Smelt	-
8	<i>Syngnathus rostellatus</i> ; Nilsson's Pipefish; 114	<i>Syngnathus rostellatus</i> ; Lesser Pipefish	-
9	<i>Clupea harengus</i> ; Herring; 102	<i>Clupea harengus</i> ; Herring	-
10	<i>Sprattus sprattus</i> ; Sprat; 85	<i>Sprattus sprattus</i> ; Sprat	-
11	<i>Merlangius merlangus</i> ; Whiting; 116	<i>Merlangius merlangus</i> ; Whiting	-
12	<i>Pleuronectes platessa</i> ; Plaice; 50	<i>Pleuronectes platessa</i> ; Plaice	-
13	<i>Pomatoschistus minutus</i> ; Sand Goby; 78	<i>Pomatoschistus minutus</i> ; Sand Goby	-
14	<i>Pomatoschistus microps</i> ; Common Goby; 38, 33	<i>Pomatoschistus minutus</i> ; Sand Goby	TE - Pigmentation under lower jaw in horizontal rows, villi present on pelvic disc anterior membrane
15	<i>Pollachius virens</i> ; Saithe; 141	<i>Pollachius virens</i> ; Saithe	-

**EXERCISE DETAILS**

Fish Reverse Ring Test - F\_RRT06  
 Return Deadline - 12/12/2014  
 Data Received - 19/12/2014  
 Specimens Received - 19/12/2014  
 Number of Subscribing Laboratories - 23  
 Laboratory Code - 2112

Key to codes:

TE - Taxonomic error  
 TD - Taxonomic discrepancy  
 sp - Spelling error  
 nc - Name change  
 mx - Mixture of species  
 sy - Synonym  
 \* - Problem taxa indicated  
 TUM - Thomson Unicomarine

Specimen No.	Laboratory id. (Genus species; common name; length in mm)	Thomson Unicomarine identification	Code / Comments
1	<i>Merlangius merlangus</i> ; Whiting; 115	<i>Merlangius merlangus</i> ; Whiting	-
2	<i>Trisopterus minutus</i> ; Poor cod; 100	<i>Trisopterus minutus</i> ; Poor Cod	-
3	<i>Pomatoschistus minutus</i> ; Sand goby; 66	<i>Pomatoschistus minutus</i> ; Sand Goby	-
4	<i>Dicentrarchus labrax</i> ; Bass; 77	<i>Dicentrarchus labrax</i> ; Bass	-
5	<i>Solea solea</i> ; Sole; 185	<i>Solea solea</i> ; Common Sole	-
6	<i>Ciliata mustela</i> ; 5 Bearded Rockling; 113	<i>Ciliata mustela</i> ; 5-bearded Rockling	-
7	<i>Pleuronectes platessa</i> ; Plaice; 275	<i>Pleuronectes platessa</i> ; Plaice	-
8	<i>Pollachius pollachius</i> ; Pollack; 125	<i>Pollachius pollachius</i> ; Pollack	-
9	<i>Syngnathus rostellatus</i> ; Lesser pipefish; 73	<i>Syngnathus rostellatus</i> ; Lesser Pipefish	-
10	<i>Atherina presbyter</i> ; sand smelt; 64	<i>Atherina presbyter</i> ; Sand Smelt	-
11	<i>Trisopterus luscus</i> ; Bib; 115	<i>Trisopterus luscus</i> ; Bib	-
12	<i>Clupea harengus</i> ; Herring; 90	<i>Clupea harengus</i> ; Herring	-
13	<i>Mullus surmeletus</i> ; Stripped red mullet; 240	<i>Mullus surmuletus</i> ; Striped Red Mullet	sp
14	<i>Callionymus maculatus</i> ; Spotted dragonette; 60	<i>Callionymus maculatus</i> ; Spotted dragonette	-
15	<i>Arnoglossus laterna</i> ; Scald fish; 65	<i>Arnoglossus laterna</i> ; Scaldfish	-

NMBAQC Scheme Interim Results

**EXERCISE DETAILS**

Fish Reverse Ring Test - F\_RRT06  
 Return Deadline - 12/12/2014  
 Data Received - 13/01/2015  
 Specimens Received - 15/01/2015  
 Number of Subscribing Laboratories - 23  
 Laboratory Code - 2113

Key to codes:

TE - Taxonomic error  
 TD - Taxonomic discrepancy  
 sp - Spelling error  
 nc - Name change  
 mx - Mixture of species  
 sy - Synonym  
 \* - Problem taxa indicated  
 TUM - Thomson Unicomarine

Specimen No.	Laboratory id. (Genus species; common name; length in mm)	Thomson Unicomarine identification	Code / Comments
1	<i>Atherina presbyter</i> ; Sand Smelt; 136	<i>Atherina presbyter</i> ; Sand Smelt	-
2	<i>Mullus surmuletus</i> ; Striped Red Mullet; 74	<i>Mullus surmuletus</i> ; Striped Red Mullet	-
3	<i>Chelon labrosus</i> ; Thick Lipped Mullet; 33, 26	<i>Liza aurata</i> ; Golden Grey Mullet	TE - Ventral head pigmentation pattern; heaviest in ventro-opercular area
4	<i>Dicentrarchus labrax</i> ; Sea Bass; 52	<i>Dicentrarchus labrax</i> ; Bass	-
5	<i>Liza ramada</i> ; Thin Lipped Mullet; 58	<i>Liza ramada</i> ; Thin Lipped Mullet	-
6	<i>Pomatoschistus microps</i> ; Common Goby; 77	<i>Pomatoschistus microps</i> ; Common Goby	-
7	<i>Sprattus sprattus</i> ; Sprat; 50	<i>Sprattus sprattus</i> ; Sprat	-
8	<i>Clupea harengus</i> ; Herring; 55	<i>Clupea harengus</i> ; Herring	-
9	<i>Eutrigla gurnardus</i> ; Grey Gurnard; 104	<i>Eutrigla gurnardus</i> ; Grey Gurnard	-
10	<i>Buglossidium luteum</i> ; Solenette; 112	<i>Buglossidium luteum</i> ; Solenette	-
11	<i>Trisopterus minutus</i> ; Poor Cod; 80	<i>Trisopterus minutus</i> ; Poor Cod	-
12	<i>Merlangius merlangus</i> ; Whiting; 183	<i>Merlangius merlangus</i> ; Whiting	-
13	<i>Aphia minuta</i> ; Transparent Goby; 36	<i>Aphia minuta</i> ; Transparent Goby	-
14	<i>Hyperoplus lanceolatus</i> ; Greater Sandeel; 58	<i>Ammodytes tobianus</i> ; Lesser Sandeel	TE - Protrusible jaw, lack of bifid tooth structure in roof of mouth. Lack of dark spot on the snout. 50 rays in the dorsal fin
15	<i>Syngnathus rostellatus</i> ; Lesser Pipefish; 80	<i>Syngnathus rostellatus</i> ; Lesser Pipefish	-

**EXERCISE DETAILS**

Fish Reverse Ring Test - F\_RRT06  
 Return Deadline - 14/12/2014  
 Data Received - 15/10/2014  
 Specimens Received -25/11/2014  
 Number of Subscribing Laboratories - 23  
 Laboratory Code - 2114

Key to codes:

TE - Taxonomic error  
 TD - Taxonomic discrepancy  
 sp - Spelling error  
 nc - Name change  
 mx - Mixture of species  
 sy - Synonym  
 \* - Problem taxa indicated  
 TUM - Thomson Unicomarine

Specimen No.	Laboratory id. (Genus species; common name; length in mm)	Thomson Unicomarine identification	Code / Comments
1	<i>Pomatoschistus minutus</i> ; Sand Goby; 45	<i>Pomatoschistus microps</i> ; Common Goby	TE - Pigmentation under lower jaw almost absent. Pelvic disc anterior membrane without villi
2	<i>Platichthys flesus</i> ; Flounder; 175	<i>Platichthys flesus</i> ; Flounder	-
3	<i>Dicentrarchus labrax</i> ; Sea Bass; 90	<i>Dicentrarchus labrax</i> ; Bass	-
4	<i>Sprattus sprattus</i> ; Spratt; 68	<i>Sprattus sprattus</i> ; Sprat	sp
5	<i>Osmerus eperlanus</i> ; European Smelt; 120	<i>Osmerus eperlanus</i> ; Smelt	-
6	<i>Solea solea</i> ; Dover Sole; 110	<i>Solea solea</i> ; Sole	-
7	<i>Pleuronectes platessa</i> ; Plaice; 70	<i>Pleuronectes platessa</i> ; Plaice	-
8	<i>Merlangius merlangus</i> ; Whiting; 187	<i>Merlangius merlangus</i> ; Whiting	-
9	<i>Eutrigla gurnardus</i> ; Grey Gurnard; 40	<i>Eutrigla gurnardus</i> ; Grey Gurnard	-
10	<i>Atherina presbyter</i> ; Sand Smelt; 53	<i>Atherina presbyter</i> ; Sand Smelt	-
11	<i>Syngnathus rostellatus</i> ; Lesser Pipe Fish; 90	<i>Syngnathus rostellatus</i> ; Lesser Pipefish	-
12	<i>Pomatoschistus microps</i> ; Common Goby; 43	<i>Pomatoschistus microps</i> ; Common Goby	-
13	<i>Echiichthys vipera</i> ; Lesser Weever; 145	<i>Echiichthys vipera</i> ; Lesser Weever	-
14	<i>Pollachius pollachius</i> ; Pollack; 120	<i>Pollachius pollachius</i> ; Pollack	-
15	<i>Agonus cataphractus</i> ; Hooknose pogg; 46	<i>Agonus cataphractus</i> ; Pogge	sp

NMBAQC Scheme Interim Results

**EXERCISE DETAILS**

Fish Reverse Ring Test - F\_RRT06

Return Deadline - 12/12/2014

Data Received - 12/12/14

Specimens Received - 11/12/14

Number of Subscribing Laboratories - 23

Laboratory Code - 2118

Key to codes:

TE - Taxonomic error

TD - Taxonomic discrepancy

sp - Spelling error

nc - Name change

mx - Mixture of species

sy - Synonym

\* - Problem taxa indicated

TUM - Thomson Unicomarine

Specimen No.	Laboratory id. (Genus species; common name; length in mm)	Thomson Unicomarine identification	Code / Comments
1	<i>Myoxocephalus scorpius</i> ; Bull Rout; 165	<i>Myoxocephalus scorpius</i> ; Bull Rout	-
2	<i>Agonus cataphractus</i> ; Pogge (hooknose); 113	<i>Agonus cataphractus</i> ; Pogge	-
3	<i>Trisopterus luscus</i> ; Bib; 154	<i>Trisopterus luscus</i> ; Bib	-
4	<i>Merlangius merlangus</i> ; Whiting; 240	<i>Merlangius merlangus</i> ; Whiting	-
5	<i>Gadus morhua</i> ; Cod; 270	<i>Gadus morhua</i> ; Cod	-
6	<i>Gobius niger</i> ; Black goby; 97	<i>Gobius niger</i> ; Black Goby	-
7	<i>Dicentrarchus labrax</i> . European seabass; 315	<i>Dicentrarchus labrax</i> ; Bass	-
8	<i>Platichthys flesus</i> ; Flounder; 215	<i>Platichthys flesus</i> ; Flounder	-
9	<i>Syngnathus acus</i> ; Greater pipefish; 203	<i>Syngnathus acus</i> ; Greater Pipefish	-
10	<i>Symphodus melops</i> ; Corkwing Wrasse; 36	<i>Symphodus melops</i> ; Corkwing Wrasse	-
11	<i>Clupea harengus</i> ; Herring; 257	<i>Clupea harengus</i> ; Herring	-
12	<i>Callionymus lyra</i> ; Common dragonet; 146	<i>Callionymus lyra</i> ; Common Dragonet	-
13	<i>Pleuronectes platessa</i> ; Plaice; 170	<i>Pleuronectes platessa</i> ; Plaice	-
14	<i>Ciliata mustela</i> ; Five bearded rockling; 154	<i>Ciliata mustela</i> ; Five-bearded Rockling	-
15	<i>Pomatoschistus minutus</i> ; Sand goby; 64	<i>Pomatoschistus microps</i> ; Common Goby	TE - Pigmentation under lower jaw almost absent. Pelvic disc anterior membrane without villi

**EXERCISE DETAILS**

Fish Reverse Ring Test - F\_RRT06  
 Return Deadline - 12/12/2014  
 Data Received - 09/12/2014  
 Specimens Received - 11/12/2014  
 Number of Subscribing Laboratories - 23  
 Laboratory Code - 2119

Key to codes:

TE - Taxonomic error  
 TD - Taxonomic discrepancy  
 sp - Spelling error  
 nc - Name change  
 mx - Mixture of species  
 sy - Synonym  
 \* - Problem taxa indicated  
 TUM - Thomson Unicomarine

Specimen No.	Laboratory id. (Genus species; common name; length in mm)	Thomson Unicomarine identification	Code / Comments
1	<i>Myoxocephalus scorpius</i> ; Bull Rout; 150	<i>Myoxocephalus scorpius</i> ; Bull Rout	-
2	<i>Agonus cataphractus</i> ; Pogge, 125	<i>Agonus cataphractus</i> ; Pogge	-
3	<i>Trisopterus luscus</i> ; Bib; 155	<i>Trisopterus luscus</i> ; Bib	-
4	<i>Merlangius merlangus</i> ; Whiting; 230	<i>Merlangius merlangus</i> ; Whiting	-
5	<i>Gadus morhua</i> ; Cod; 260	<i>Gadus morhua</i> ; Cod	-
6	<i>Gobius niger</i> ; Black Goby; 93	<i>Gobius niger</i> ; Black Goby	-
7	<i>Osmerus eperlanus</i> ; Cucumber Smelt; 166	<i>Osmerus eperlanus</i> ; Smelt	-
8	<i>Platichthys flesus</i> ; Flounder; 174	<i>Platichthys flesus</i> ; Flounder	-
9	<i>Syngnathus acus</i> ; Greater Pipefish; 185	<i>Syngnathus acus</i> ; Greater Pipefish	-
10	<i>Zoarces viviparus</i> ; Viviparous Blenny; 110	<i>Zoarces viviparus</i> ; Viviparous Blenny	-
11	<i>Clupea harengus</i> ; Herring; 245	<i>Clupea harengus</i> ; Herring	-
12	<i>Callionymus lyra</i> ; Common Dragonet; 205	<i>Callionymus lyra</i> ; Common Dragonet	-
13	<i>Pleuronectes platessa</i> ; Plaice; 87	<i>Pleuronectes platessa</i> ; Plaice	-
14	<i>Ciliata mustela</i> ; Five-Bearded Rockling; 220	<i>Ciliata mustela</i> ; Five-bearded Rockling	-
15	<i>Ctenolabrus rupestris</i> ; Goldsinny Wrasse; 43	<i>Ctenolabrus rupestris</i> ; Goldsinny	-



NMBAQC Scheme Interim Results

**EXERCISE DETAILS**

Fish Reverse Ring Test - F\_RRT06  
 Return Deadline - 12/12/2014  
 Data Received - 11/12/2014  
 Specimens Received - 11/12/2014  
 Number of Subscribing Laboratories - 23  
 Laboratory Code - 2120

Key to codes:

TE - Taxonomic error  
 TD - Taxonomic discrepancy  
 sp - Spelling error  
 nc - Name change  
 mx - Mixture of species  
 sy - Synonym  
 \* - Problem taxa indicated  
 TUM - Thomson Unicomarine

Specimen No.	Laboratory Id. (Genus species; common name; length in mm)	Thomson Unicomarine Identification	Code / Comments
1	<i>Dicentrarchus labrax</i> ; Sea Bass; 235	<i>Dicentrarchus labrax</i> ; Bass	-
2	<i>Trisopterus luscus</i> ; Bib; 160	<i>Trisopterus luscus</i> ; Bib	-
3	<i>Pleuronectes platessa</i> ; Plaice; 190	<i>Pleuronectes platessa</i> ; Plaice	-
4	<i>Merlangius merlangus</i> ; Whiting; 148	<i>Merlangius merlangus</i> ; Whiting	-
5	<i>Solea solea</i> ; Common Sole; 99	<i>Buglossidium luteum</i> ; Solenette	TE - Every 5 or 6 dorsal and anal fin ray is black. Pectoral fin on blind side is a single long ray and two smaller ones.
6	<i>Atherina presbyter</i> ; Sand Smelt; 140	<i>Atherina presbyter</i> ; Sand Smelt	-
7	<i>Limanda limanda</i> ; Dab; 155	<i>Limanda limanda</i> ; Dab	-
8	<i>Platichthys flesus</i> ; Flounder; 220	<i>Platichthys flesus</i> ; Flounder	-
9	<i>Crenilabrus melops</i> ; Corkwing Wrasse; 90	<i>Symphodus melops</i> ; Corkwing Wrasse	sy
10	<i>Clupea harengus</i> ; Herring; 48	<i>Clupea harengus</i> ; Herring	-
11	<i>Callionymus lyra</i> ; Common dragonet; 119	<i>Callionymus lyra</i> ; Common Dragonet	-
12	<i>Pomatoschistus pictus</i> ; Painted Goby; 36,37,38	<i>Pomatoschistus pictus</i> ; Painted Goby	-
13	<i>Pomatoschistus microps</i> ; Common Goby; 33	<i>Pomatoschistus microps</i> ; Common Goby	-
14	<i>Gobius paganellus</i> ; Rock Goby; 46	<i>Gobius paganellus</i> ; Rock Goby	-
15	<i>Gobius niger</i> ; Black Goby; 69	<i>Gobius niger</i> ; Black Goby	-

NMBAQC Scheme Interim Results

**EXERCISE DETAILS**

Fish Reverse Ring Test - F\_RRT06

Return Deadline - 12/12/2014

Data Received - 28/11/2014

Specimens Received - 28/11/2014

Number of Subscribing Laboratories - 23

Laboratory Code - 2121

Key to codes:

TE - Taxonomic error

TD - Taxonomic discrepancy

sp - Spelling error

nc - Name change

mx - Mixture of species

sy - Synonym

\* - Problem taxa indicated

TUM - Thomson Unicomarine

Specimen No.	Laboratory id. (Genus species; common name; length in mm)	Thomson Unicomarine identification	Code / Comments
1	<i>Zeus faber</i> ; John Dory; 140	<i>Zeus faber</i> ; John Dory	-
2	<i>Callophyllis lyra</i> ; Common Dragonet; 165	<i>Callionmyus lyra</i> ; Common Dragonet	sp
3	<i>Gadus morhua</i> ; Cod; 320	<i>Gadus morhua</i> ; Cod	-
4	<i>Trisopterus luscus</i> ; Bib; 120	<i>Trisopterus luscus</i> ; Bib	-
5	<i>Syngnathus rostellatus</i> ; Lesser Pipefish; 107	<i>Syngnathus rostellatus</i> ; Lesser Pipefish	-
6	<i>Merlangius merlangus</i> ; Whiting; 83, 91	<i>Merlangius merlangus</i> ; Whiting	-
7	<i>Buglossidium luteum</i> ; Solenette; 98	<i>Buglossidium luteum</i> ; Solenette	-
8	<i>Eutrigla gurnardus</i> ; Grey Gurnard; 130	<i>Eutrigla gurnardus</i> ; Grey Gurnard	-
9	<i>Mullus surmuletus</i> ; Red Mullet; 95	<i>Mullus surmuletus</i> ; Striped Red Mullet	-
10	<i>SpondylIOSoma cantharus</i> ; Black bream; 95	<i>SpondylIOSoma cantharus</i> ; Black bream	-
11	<i>Symphodus bailloni</i> ; Ballion's Wrasse; 160	<i>Symphodus bailloni</i> ; Ballion's Wrasse	-
12	<i>Gobius couchi</i> ; Couch's Goby; 67	<i>Gobius couchi</i> ; Couch's Goby	-
13	<i>Aphia minuta</i> ; Transparent Goby; 31, 31	<i>Aphia minuta</i> ; Transparent Goby	-
14	<i>Trigla lucerna</i> ; Tub Gurnard; 45	<i>Eutrigla gurnardus</i> ; Grey Gurnard	nc, TE - Spiny lateral line. Dusky blotch on 1st dorsal fin. Snout lacks 2 lobes bearing small spines on front edge.
15	<i>Engraulis encrasicolus</i> ; Anchovy; 44	<i>Engraulis encrasicolus</i> ; Anchovy	-

**EXERCISE DETAILS**

Fish Reverse Ring Test - F\_RRT06  
 Return Deadline - 12/12/2014  
 Data Received - 09/12/2014  
 Specimens Received - 12/12/2014  
 Number of Subscribing Laboratories - 23  
 Laboratory Code - 2122

Key to codes:

TE - Taxonomic error  
 TD - Taxonomic discrepancy  
 sp - Spelling error  
 nc - Name change  
 mx - Mixture of species  
 sy - Synonym  
 \* - Problem taxa indicated  
 TUM - Thomson Unicomarine

Specimen No.	Laboratory Id. (Genus species; common name; length in mm)	Thomson Unicomarine Identification	Code / Comments
1	<i>Sprattus sprattus</i> ; Sprat; 122	<i>Sprattus sprattus</i> ; Sprat	-
2	<i>Clupea harengus</i> ; Herring; 205	<i>Clupea harengus</i> ; Herring	-
3	<i>Eutrigla gurnardus</i> ; Grey Gurnard; 108	<i>Eutrigla gurnardus</i> ; Grey Gurnard	-
4	<i>Trisopterus minutus</i> ; Poor Cod; 104	<i>Trisopterus minutus</i> ; Poor Cod	-
5	<i>Arnoglossus laterna</i> ; Scaldfish; 27, 60	<i>Arnoglossus laterna</i> ; Scaldfish	-
6	<i>Gobius niger</i> ; Black Goby; 84	<i>Gobius niger</i> ; Black Goby	-
7	<i>Atherina presbyter</i> ; Sand Smelt; 51	<i>Atherina presbyter</i> ; Sand Smelt	-
8	<i>Pomatoschistus pictus</i> ; Painted Goby; 34	<i>Pomatoschistus minutus</i> ; Sand Goby	TE - Ventral head pigmentation, villi present on pelvic disc anterior membrane
9	<i>Buglossidium luteum</i> ; Solonette; 41	<i>Buglossidium luteum</i> ; Solonette	sp
10	<i>Merlangius merlangus</i> ; Whiting; 179	<i>Merlangius merlangus</i> ; Whiting	-
11	<i>Mullus surmuletus</i> ; Red Mullet; 145	<i>Mullus surmuletus</i> ; Striped Red Mullet	-
12	<i>Trisopterus luscus</i> ; Bib; 49	<i>Trisopterus luscus</i> ; Bib	-
13	<i>Pomatoschistus microps</i> ; Common Goby; 43	<i>Pomatoschistus microps</i> ; Common Goby	-
14	<i>Aphia minuta</i> ; Transparent Goby; 33	<i>Aphia minuta</i> ; Transparent Goby	-
15	<i>Apletodon dentatus</i> ; Small Headed Clingfish; 29	<i>Diplecogaster bimaculata</i> ; Two-spotted Clingfish	TE - Teeth uniform; side canine teeth not enlarged

**EXERCISE DETAILS**

Fish Reverse Ring Test - F\_RRT06  
 Return Deadline - 12/12/2014  
 Data Received - 11/11/2014  
 Specimens Received - 11/12/2014  
 Number of Subscribing Laboratories - 23  
 Laboratory Code - 2123

Key to codes:

TE - Taxonomic error  
 TD - Taxonomic discrepancy  
 sp - Spelling error  
 nc - Name change  
 mx - Mixture of species  
 sy - Synonym  
 \* - Problem taxa indicated  
 TUM - Thomson Unicomarine

Specimen No.	Laboratory Id. (Genus species; common name; length in mm)	Thomson Unicomarine identification	Code / Comments
1	<i>Raja clavata</i> ; Thornback Ray; 113	<i>Raja clavata</i> ; Thornback Ray	-
2	<i>Callionymus lyra</i> ; Common Dragonet; 198	<i>Callionymus lyra</i> ; Common Dragonet	-
3	<i>Solea solea</i> ; Common Sole; 121	<i>Solea solea</i> ; Common Sole	-
4	<i>Trisopterus luscus</i> ; Bib; 147	<i>Trisopterus luscus</i> ; Bib	-
5	<i>Clupea harengus</i> ; Herring; 118	<i>Clupea harengus</i> ; Herring	-
6	<i>Echiichthys vipera</i> ; Lesser Weaver; 145	<i>Echiichthys vipera</i> ; Lesser Weever	-
7	<i>Sprattus sprattus</i> ; Sprat; 88	<i>Sprattus sprattus</i> ; Sprat	-
8	<i>Chelidonichthys lucernus</i> ; Tub Gurnard; 188	<i>Chelidonichthys lucerna</i> ; Tub Gurnard	sp
9	<i>Pomatoschistus minutus</i> ; Sand Goby; 71	<i>Pomatoschistus microps</i> ; Common Goby	TE - Pigmentation under lower jaw almost absent. Pelvic disc anterior membrane without villi
10	<i>Gadus morhua</i> ; Cod; 230	<i>Gadus morhua</i> ; Cod	-
11	<i>Buglossidium luteum</i> ; Solenette; 91	<i>Buglossidium luteum</i> ; Solenette	-
12	<i>Pleuronectes platessa</i> ; Plaice; 192	<i>Pleuronectes platessa</i> ; Plaice	-
13	<i>Merlangius merlangus</i> ; Whiting; 169	<i>Merlangius merlangus</i> ; Whiting	-
14	<i>Platichthys flesus</i> ; Flounder; 310	<i>Platichthys flesus</i> ; Flounder	-
15	<i>Limanda limanda</i> ; Dab; 191	<i>Limanda limanda</i> ; Dab	-

**EXERCISE DETAILS**

Fish Reverse Ring Test - F\_RRT06  
 Return Deadline - 12/12/2014  
 Data Received - 05/12/2014  
 Specimens Received - 11/12/2014  
 Number of Subscribing Laboratories - 23  
 Laboratory Code - 2127

Key to codes:

TE - Taxonomic error  
 TD - Taxonomic discrepancy  
 sp - Spelling error  
 nc - Name change  
 mx - Mixture of species  
 sy - Synonym  
 \* - Problem taxa indicated  
 TUM - Thomson Unicomarine

Specimen No.	Laboratory id. (Genus species; common name; length in mm)	Thomson Unicomarine identification	Code / Comments
1	<i>Pleuronectes platessa</i> ; Plaice; 240	<i>Pleuronectes platessa</i> ; Plaice	-
2	<i>Microstomus kitt</i> ; Lemon sole; 290	<i>Microstomus kitt</i> ; Lemon Sole	-
3	<i>Sardina pilchardus</i> ; European pilchard; 215	<i>Sardina pilchardus</i> ; Pilchard	-
4	<i>Micromesistius poutassou</i> ; Blue whiting; 180	<i>Micromesistius poutassou</i> ; Blue whiting	-
5	<i>Zeus faber</i> ; John dory; 110	<i>Zeus faber</i> ; John Dory	-
6	<i>Argentina sphyraena</i> ; Argentine; 160	<i>Argentina sphyraena</i> ; Argentine	-
7	<i>Myoxocephalus scorpius</i> ; Short-spined sea scorpion; 167	<i>Myoxocephalus scorpius</i> ; Bull Rout	-
8	<i>Lophius piscatorius</i> ; Anglerfish; 220	<i>Lophius piscatorius</i> ; Anglerfish	-
9	<i>Solea solea</i> ; Common sole; 185	<i>Solea solea</i> ; Common sole	-
10	<i>Limanda limanda</i> ; Common dab; 185	<i>Limanda limanda</i> ; Dab	-
11	<i>Buglossidium luteum</i> ; Solenette; 100	<i>Buglossidium luteum</i> ; Solenette	-
12	<i>Trigloporus lastoviza</i> ; Streaked gurnard; 280	<i>Trigloporus lastoviza</i> ; Streaked gurnard	-
13	<i>Platichthys flesus</i> ; European flounder; 325	<i>Platichthys flesus</i> ; Flounder	-
14	<i>Pholis gunnellus</i> ; Rock gunnel / Butterfish; 167	<i>Pholis gunnellus</i> ; Butterfish	-
15	<i>Alosa fallax</i> ; Twaite shad; 330	<i>Alosa fallax</i> ; Twaite Shad	-

**EXERCISE DETAILS**

Fish Reverse Ring Test - F\_RRT06  
 Return Deadline - 12/12/2014  
 Data Received - 05/11/2014  
 Specimens Received - 06/11/2014  
 Number of Subscribing Laboratories - 23  
 Laboratory Code - 2128

Key to codes:  
 TE - Taxonomic error  
 TD - Taxonomic discrepancy  
 sp - Spelling error  
 nc - Name change  
 mx - Mixture of species  
 sy - Synonym  
 \* - Problem taxa indicated  
 TUM - Thomson Unicomarine

Specimen No.	Laboratory id. (Genus species; common name; length in mm)	Thomson Unicomarine identification	Code / Comments
1	<i>Aspitrigla cuculus</i> ; Red Gurnard; 200	<i>Chelidonichthys cuculus</i> ; Red Gurnard	sy
2	<i>Sprattus sprattus</i> ; Sprat; 65	<i>Sprattus sprattus</i> ; Sprat	-
3	<i>Clupea harengus</i> ; Herring; 94	<i>Clupea harengus</i> ; Herring	-
4	<i>Microchirus variegatus</i> ; Thickback sole; 105	<i>Microchirus variegatus</i> ; Thickback Sole	-
5	<i>Scomber scombrus</i> ; Mackerel; 220	<i>Scomber scombrus</i> ; Mackerel	-
6	<i>Pomatoschistus minutus</i> ; Sand Goby; 60	<i>Pomatoschistus minutus</i> ; Sand Goby	-
7	<i>Engraulis encrasicolus</i> ; Anchovy; 94	<i>Engraulis encrasicolus</i> ; Anchovy	-
8	<i>Aphia minuta</i> ; Transparent Goby; 31	<i>Aphia minuta</i> ; Transparent Goby	-
9	<i>Callionymus lyra</i> ; Common Dragonet; 170	<i>Callionymus lyra</i> ; Common Dragonet	-
10	<i>Merlangius merlangus</i> ; Whiting; 138	<i>Merlangius merlangus</i> ; Whiting	-
11	<i>Eutrigla gurnardus</i> ; Grey Gurnard; 150	<i>Eutrigla gurnardus</i> ; Grey Gurnard	-
12	<i>Trisopterus minutus</i> ; Poor Cod; 88	<i>Trisopterus minutus</i> ; Poor Cod	-
13	<i>Limanda limanda</i> ; Dab; 230	<i>Limanda limanda</i> ; Dab	-
14	<i>Platichthys flesus</i> ; Flounder; 173	<i>Platichthys flesus</i> ; Flounder	-
15	<i>Agonus cataphractus</i> ; Pogge (Hooknose); 125	<i>Agonus cataphractus</i> ; Pogge	-

NMBAQC Scheme Interim Results

**EXERCISE DETAILS**

Fish Reverse Ring Test - F\_RRT06

Return Deadline - 12/12/2014

Data Received - 09/12/2014

Specimens Received - 09/12/14

Number of Subscribing Laboratories - 23

Laboratory Code - 2129

Key to codes:

TE - Taxonomic error

TD - Taxonomic discrepancy

sp - Spelling error

nc - Name change

mx - Mixture of species

sy - Synonym

\* - Problem taxa indicated

TUM - Thomson Unicomarine

Specimen No.	Laboratory id. (Genus species; common name; length in mm)	Thomson Unicomarine identification	Code / Comments
1	<i>Dicentrarchus labrax</i> ; Sea Bass; 60	-	Missing specimen
2	<i>Salmo trutta</i> ; Brown Trout; 128	<i>Salmo trutta</i> ; Brown Trout	-
3	<i>Platichthys flesus</i> ; Flounder; 103	<i>Platichthys flesus</i> ; Flounder	-
4	<i>Pomatoschistus minutus</i> ; Sand Goby; 39	<i>Pomatoschistus pictus</i> ; Painted Goby	TE - Pigmentation under lower jaw is 'heavy dark', pelvic disc anterior membrane smooth
5	<i>Clupea harengus</i> ; Herring; 59	<i>Clupea harengus</i> ; Herring	-
6	<i>Agonus cataphractus</i> ; Pogge; 34	<i>Eutrigla gurnardus</i> ; Grey Gurnard	TE - Body and head profile. No overlapping bony plates on body or a strong pair of hooks. Larger eyes in relation to the body. Spines present along lateral line.
7	<i>Pleuronectes platessa</i> ; Plaice; 45	<i>Pleuronectes platessa</i> ; Plaice	-
8	<i>Syngnathus rostellatus</i> ; Lesser Pipefish; 112	<i>Syngnathus rostellatus</i> ; Lesser Pipefish	-
9	<i>Ammodytes tobianus</i> ; Lesser Sandeel; 143	<i>Ammodytes tobianus</i> ; Lesser Sandeel	-
10	<i>Limanda limanda</i> ; Dab; 42	<i>Limanda limanda</i> ; Dab	-
11	<i>Psetta maxima</i> ; Turbot; 25	<i>Scophthalmus maximus</i> ; Turbot	nc
12	<i>Scophthalmus rhombus</i> ; Brill; 97	<i>Scophthalmus rhombus</i> ; Brill	-
13	-	-	Specimen not submitted
14	-	-	Specimen not submitted
15	-	-	Specimen not submitted

## EXERCISE DETAILS

Fish Reverse Ring Test - F\_RRT06

Return Deadline - 12/12/2014

Data Received - 29/10/2014

Specimens Received - 30/11/2014

Number of Subscribing Laboratories - 23

Laboratory Code - 2130

## Key to codes:

TE - Taxonomic error

TD - Taxonomic discrepancy

sp - Spelling error

nc - Name change

mx - Mixture of species

sy - Synonym

\* - Problem taxa indicated

TUM - Thomson Unicomarine

Specimen No.	Laboratory id. (Genus species; common name; length in mm)	Thomson Unicomarine identification	Code / Comments
1	<i>Sprattus sprattus</i> ; Sprat; 63	<i>Sprattus sprattus</i> ; Sprat	-
2	<i>Sprattus sprattus</i> ; Sprat; 73	<i>Sprattus sprattus</i> ; Sprat	-
3	<i>Liza ramada</i> ; Thin-lipped grey mullet; 47	<i>Liza aurata</i> ; Golden Grey Mullet	TE - Ventral head pigmentation pattern; heaviest in ventro-opercular area
4	<i>Atherina presbyter</i> ; Sand smelt; 83	<i>Atherina presbyter</i> ; Sand Smelt	-
5	<i>Engraulis encrasicolus</i> ; Anchovy; 62	<i>Engraulis encrasicolus</i> ; Anchovy	-
6	<i>Engraulis encrasicolus</i> ; Anchovy; 56	<i>Engraulis encrasicolus</i> ; Anchovy	-
7	<i>Dicentrarchus labrax</i> ; Sea bass; 90	<i>Dicentrarchus labrax</i> ; Bass	-
8	<i>Pomatoschistus minutus</i> ; Sand goby; 68	<i>Pomatoschistus minutus</i> ; Sand Goby	-
9	<i>Liza ramada</i> ; Thin-lipped grey mullet; 61	<i>Liza ramada</i> ; Thin-lipped Grey Mullet	-
10	<i>Aphia minuta</i> ; Transparent goby; 38	<i>Aphia minuta</i> ; Transparent Goby	-
11	<i>Pomatoschistus minutus</i> ; Sand goby; 65	<i>Pomatoschistus minutus</i> ; Sand Goby	-
12	<i>Clupea harengus</i> ; Herring; 86	<i>Clupea harengus</i> ; Herring	-
13	<i>Aphia minuta</i> ; Transparent goby; 38	<i>Aphia minuta</i> ; Transparent Goby	-
14	<i>Syngnathus rostellatus</i> ; Lesser Pipefish; 82	<i>Syngnathus rostellatus</i> ; Lesser Pipefish	-
15	<i>Syngnathus rostellatus</i> ; Lesser Pipefish; 95	<i>Syngnathus rostellatus</i> ; Lesser Pipefish	-



## Appendix 1

### References

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