

Mediterranean Marine Science

Τόμ. 18, Αρ. 1 (2017)



Discard composition associated with the deep water rose shrimp fisheries (*Parapenaeus longirostris*, Lucas 1846) in the south-central Mediterranean Sea

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doi: [10.12681/mms.1787](https://doi.org/10.12681/mms.1787)

Βιβλιογραφική αναφορά:

MILISENDA, G., VITALE, S., MASSI, D., ENEA, M., GANCITANO, V., GIUSTO, G. B., BADALUCCO, C., GRISTINA, M., GAROFALO, G., & FIORENTINO, F. (2017). Discard composition associated with the deep water rose shrimp fisheries (*Parapenaeus longirostris*, Lucas 1846) in the south-central Mediterranean Sea. *Mediterranean Marine Science*, 18(1), 53–63. <https://doi.org/10.12681/mms.1787>

Supplementary Material

**Spatio-temporal composition of discard associated with the deep water rose shrimp fisheries
(*Parapenaeus longirostris*, Lucas 1846) in the south-central Mediterranean Sea**

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C. BADALUCCO, M. GRISTINA, G. GAROFALO and F. FIORENTINO**

Mediterranean Marine Science, 2017, 18 (1)

Table SM1 – List of sorted species. Abundance in the catch: * = 0.1 – 2 %; ** = 2.1 – 4 %; *** = 4.1 – 6 %; **** = >6.1%.

| Chordata Actinopterii | <i>50-150</i> | <i>151-350</i> | <i>351-650</i> |
|---|---------------|----------------|----------------|
| <i>Alepocephalus rostratus</i> Risso, 1820 | | | * |
| <i>Anthias anthias</i> (Linnaeus, 1758) | * | * | |
| <i>Argentina sphyraena</i> Linnaeus, 1758 | * | * | * |
| <i>Arnoglossus imperialis</i> (Rafinesque, 1810) | * | | |
| <i>Arnoglossus laterna</i> (Walbaum, 1792) | * | * | * |
| <i>Arnoglossus rueppelii</i> (Cocco, 1844) | * | * | * |
| <i>Arnoglossus spp.</i> Bleeker, 1862 | * | | |
| <i>Arnoglossus thori</i> Kyle, 1913 | * | * | |
| <i>Chelidonichthys cuculus</i> (Linnaeus, 1758) | * | * | * |
| <i>Chelidonichthys obscurus</i> (Walbaum, 1792) | * | * | |
| <i>Benthocometes robustus</i> (Goode & Bean, 1886) | * | * | * |
| <i>Blennius ocellaris</i> Linnaeus, 1758 | * | * | |
| <i>Boops boops</i> (Linnaeus, 1758) | * | * | * |
| <i>Buglossidium luteum</i> (Risso, 1810) | * | | |
| <i>Callanthias ruber</i> (Rafinesque, 1810) | | | * |
| <i>Callionymus maculatus</i> Rafinesque, 1810 | * | * | |
| <i>Synchiropus phaeton</i> (Günther, 1861) | * | * | * |
| <i>Callionymus risso</i> Lesueur, 1814 | * | | |
| <i>Capros aper</i> (Linnaeus, 1758) | * | * | * |
| <i>Centracanthus cirrus</i> Rafinesque, 1810 | * | * | * |
| <i>Centrolophus niger</i> (Gmelin, 1789) | * | | * |
| <i>Cepola macrophthalma</i> (Linnaeus, 1758) | * | * | |
| <i>Chauliodus sloani</i> Bloch & Schneider, 1801 | | * | * |
| <i>Citharus linguatula</i> (Linnaeus, 1758) | * | * | * |
| <i>Chlorophthalmus agassizi</i> Bonaparte, 1840 | * | * | * |
| <i>Coelorinchus caelorhincus</i> (Risso, 1810) | * | * | * |
| <i>Conger conger</i> (Linnaeus, 1758) | * | * | * |
| <i>Dalophis imberbis</i> (Delaroche, 1809) | | * | |
| <i>Diplodus annularis</i> (Linnaeus, 1758) | | | * |
| <i>Diplodus vulgaris</i> (Geoffroy Saint-Hilaire, 1817) | * | | * |
| <i>Echelus myrus</i> (Linnaeus, 1758) | * | | * |
| <i>Engraulis encrasicolus</i> (Linnaeus, 1758) | * | | |
| <i>Epigonus denticulatus</i> Dieuzeide, 1950 | | * | * |
| <i>Epigonus telescopus</i> (Risso, 1810) | * | | * |
| <i>Facciolella oxyrhyncha</i> (Bellotti, 1883) | | * | * |
| <i>Fistularia commersonii</i> Rüppell, 1838 | * | | |
| <i>Gadella maraldi</i> (Risso, 1810) | | | * |
| <i>Gadiculus argenteus</i> Guichenot, 1850 | * | * | * |
| <i>Gaidropsaurus mediterraneus</i> (Linnaeus, 1758) | * | * | * |
| <i>Gaidropsarus vulgaris</i> (Cloquet, 1824) | * | | |
| <i>Glossanodon leioglossus</i> (Valenciennes, 1848) | * | | |
| <i>Gnathophis mystax</i> (Delaroche, 1809) | * | * | * |
| <i>Gobius niger</i> Linnaeus, 1758 | * | | |
| <i>Deltentosteus quadrimaculatus</i> (Valenciennes, 1837) | * | * | |
| <i>Gobius spp.</i> Linnaeus, 1758 | * | * | |
| <i>Lesueurigobius suerii</i> (Risso, 1810) | * | * | * |
| <i>Helicolenus dactylopterus</i> (Delaroche, 1809) | * | * | ** |
| <i>Hoplostethus mediterraneus</i> Cuvier, 1829 | | * | * |

(continued)

Table SM1 (continued)

| Species | 50-150 | 151-350 | 351-650 |
|--|--------|---------|---------|
| <i>Hymenocephalus italicus</i> Giglioli, 1884 | * | * | * |
| <i>Lampanyctus crocodilus</i> (Risso, 1810) | * | * | * |
| <i>Lepidopus caudatus</i> (Euphrasen, 1788) | * | * | * |
| <i>Lepidorhombus boscii</i> (Risso, 1810) | * | * | * |
| <i>Lepidorhombus whiffiagonis</i> (Walbaum, 1792) | * | * | * |
| <i>Lepidotrigla cavillone</i> (Lacepède, 1801) | * | * | * |
| <i>Lepidotrigla dieuzeidei</i> Blanc & Hureau, 1973 | * | * | * |
| <i>Lophius budegassa</i> Spinola, 1807 | * | * | * |
| <i>Lophius piscatorius</i> Linnaeus, 1758 | * | | |
| <i>Lophius</i> spp. Linnaeus, 1758 | * | | |
| <i>Macroramphosus gracilis</i> (Lowe, 1839) | * | | |
| <i>Macroramphosus scolopax</i> (Linnaeus, 1758) | * | * | * |
| <i>Maurolicus muelleri</i> (Gmelin, 1789) | | * | |
| <i>Merluccius merluccius</i> (Linnaeus, 1758) | ** | ** | ** |
| <i>Micromesistius poutassou</i> (Risso, 1827) | * | * | * |
| <i>Molva dypterygia</i> (Pennant, 1784) | | | * |
| <i>Mora moro</i> (Risso, 1810) | * | * | * |
| <i>Mullus barbatus</i> Linnaeus, 1758 | * | * | * |
| <i>Mullus surmuletus</i> Linnaeus, 1758 | * | * | * |
| Myctophidae Gill, 1893 | | * | * |
| <i>Nettastoma melanurum</i> Rafinesque, 1810 | * | * | * |
| <i>Nezumia aequalis</i> (Günther, 1878) | * | | * |
| <i>Nezumia sclerorhynchus</i> (Valenciennes, 1838) | * | * | * |
| <i>Notacanthus bonaparte</i> Risso, 1840 | | | * |
| <i>Ophidion barbatum</i> Linnaeus, 1758 | * | | |
| <i>Ophidion rochei</i> Müller, 1845 | * | | |
| <i>Pagellus acarne</i> (Risso, 1827) | * | * | * |
| <i>Pagellus bogaraveo</i> (Brünnich, 1768) | * | * | * |
| <i>Pagellus erythrinus</i> (Linnaeus, 1758) | * | | * |
| <i>Paralepis</i> spp. Cuvier, 1816 | * | | |
| <i>Peristedion cataphractum</i> (Linnaeus, 1758) | * | * | * |
| <i>Phycis blennoides</i> (Brünnich, 1768) | * | * | **** |
| <i>Sardina pilchardus</i> (Walbaum, 1792) | * | | |
| <i>Scomber colias</i> Gmelin, 1789 | * | | |
| <i>Scomber scombrus</i> Linnaeus, 1758 | * | | |
| <i>Scorpaena elongata</i> Cadenat, 1943 | * | | |
| <i>Scorpaena notata</i> Rafinesque, 1810 | * | | |
| <i>Scorpaena scrofa</i> Linnaeus, 1758 | * | | * |
| <i>Serranus cabrilla</i> (Linnaeus, 1758) | * | * | * |
| <i>Serranus hepatus</i> (Linnaeus, 1758) | * | * | * |
| <i>Microchirus variegatus</i> (Donovan, 1808) | * | | |
| <i>Solea solea</i> (Linnaeus, 1758) | * | | |
| <i>Pagrus pagrus</i> (Linnaeus, 1758) | * | | |
| <i>Sphyaena sphyraena</i> (Linnaeus, 1758) | * | | |
| <i>Spicara maena</i> (Linnaeus, 1758) | * | * | * |
| <i>Spicara smaris</i> (Linnaeus, 1758) | * | | |
| <i>Stomias boa</i> (Risso, 1810) | | | * |
| <i>Sudis hyalina</i> Rafinesque, 1810 | | | * |
| <i>Symphurus nigrescens</i> Rafinesque, 1810 | * | * | * |
| <i>Synodus saurus</i> (Linnaeus, 1758) | | | * |
| <i>Trachurus mediterraneus</i> (Steindachner, 1868) | * | | * |
| <i>Trachurus picturatus</i> (Bowdich, 1825) | * | | * |
| <i>Trachurus trachurus</i> (Linnaeus, 1758) | **** | *** | *** |
| <i>Trachinus araneus</i> Cuvier, 1829 | * | | |
| <i>Trachinus draco</i> Linnaeus, 1758 | * | | * |
| <i>Trachyrincus scabrus</i> (Rafinesque, 1810) | | | * |
| <i>Trachyscorpia cristulata</i> (Goode & Bean, 1896) | | | * |
| <i>Trigla lyra</i> Linnaeus, 1758 | | * | * |
| <i>Trigloporus lastoviza</i> (Bonnaterre, 1788) | * | * | * |
| <i>Trisopterus capelanus</i> (Lacepède, 1800) | * | * | |
| <i>Uranoscopus scaber</i> Linnaeus, 1758 | * | | |
| <i>Zeus faber</i> Linnaeus, 1758 | * | * | * |

(continued)

Table SMI (continued)

Chordata Holocephali (*) + Elasmobranchii

| <i>Species</i> | 50-150 | 151-350 | 351-650 |
|---|--------|---------|---------|
| <i>Chimaera monstrosa</i> Linnaeus, 1758 (*) | * | | * |
| <i>Etmopterus spinax</i> (Linnaeus, 1758) | * | * | * |
| <i>Galueus melastomus</i> Rafinesque, 1810 | * | * | ** |
| <i>Raja clavata</i> Linnaeus, 1758 | * | * | * |
| <i>Leucoraja melitensis</i> (Clark, 1926) | | * | |
| <i>Raja miraletus</i> Linnaeus, 1758 | * | * | |
| <i>Raja montagui</i> Fowler, 1910 | | * | |
| <i>Dipturus oxyrinchus</i> (Linnaeus, 1758) | | * | * |
| <i>Raja spp.</i> Linnaeus, 1758 | | | * |
| <i>Dalatias licha</i> (Bonnaterre, 1788) | | | * |
| <i>Scyliorhinus canicula</i> (Linnaeus, 1758) | * | * | * |
| <i>Squalus blainville</i> (Risso, 1827) | * | * | * |
| <i>Torpedo marmorata</i> Risso, 1810 | * | | * |
| <i>Tetronarce nobiliana</i> (Bonaparte, 1835) | | | * |

Arthropoda

| <i>Species</i> | 50-150 | 151-350 | 351-650 |
|---|--------|---------|---------|
| <i>Alpheus glaber</i> (Olivi, 1792) | * | * | * |
| <i>Anamathia rissoana</i> (Roux, 1828) | | | * |
| <i>Aristaeomorpha foliacea</i> (Risso, 1827) | | * | * |
| <i>Aristeus antennatus</i> (Risso, 1816) | | * | * |
| <i>Bathynectes maravigna</i> (Prestandrea, 1839) | * | | |
| <i>Chlorotocus crassicornis</i> (A. Costa, 1871) | * | * | * |
| <i>Dardanus arrosor</i> (Herbst, 1796) | * | * | * |
| <i>Dardanus calidus</i> (Risso, 1827) | * | | * |
| <i>Geryon longipes</i> A. Milne-Edwards, 1882 | * | | * |
| <i>Goneplax rhomboides</i> (Linnaeus, 1758) | * | * | * |
| <i>Homola barbata</i> (Fabricius, 1793) | * | | |
| <i>Inachus dorsettensis</i> (Pennant, 1777) | * | | |
| <i>Latreillia elegans</i> Roux, 1830 | * | * | |
| <i>Macropodia longirostris</i> (Fabricius, 1775) | * | | |
| <i>Macropodia longipes</i> (A. Milne-Edwards & Bouvier, 1899) | * | | |
| <i>Macropodia rostrata</i> (Linnaeus, 1761) | * | | |
| <i>Macropodia spp.</i> Leach, 1814 | | * | |
| <i>Liocarcinus depurator</i> (Linnaeus, 1758) | * | * | |
| <i>Macropipus tuberculatus</i> (Roux, 1830) | * | * | * |
| <i>Medorippe lanata</i> (Linnaeus, 1767) | * | | |
| <i>Monodaeus couchii</i> (Couch, 1851) | * | * | * |
| <i>Munida intermedia</i> (Linnaeus, 1767) | * | * | * |
| <i>Munida rutilanti</i> Zariquiey Alvarez, 1952 | * | * | * |
| <i>Nephrops norvegicus</i> (Linnaeus, 1758) | * | * | * |
| <i>Paguristes eremita</i> (Linnaeus, 1767) | * | | |
| <i>Pagurus alatus</i> Fabricius, 1775 | | * | * |
| <i>Pagurus prideaux</i> Leach, 1815 | * | * | * |
| <i>Parapenaeus longirostris</i> (Lucas, 1846) | * | ** | * |
| <i>Spinolambrus macrochelos</i> (Herbst, 1790) | | | * |
| <i>Pasiphaea multidentata</i> Esmark, 1866 | | * | * |
| <i>Pasiphaea sivado</i> (Risso, 1816) | * | * | * |
| <i>Pilumnus hirtellus</i> (Linnaeus, 1761) | | | * |
| <i>Pisa nodipes</i> (Leach, 1815) | * | | |
| <i>Plesionika edwardsii</i> (Brandt, 1851) | * | * | * |
| <i>Plesionika gigliolii</i> (Senna, 1902) | * | * | * |
| <i>Plesionika heterocarpus</i> (A. Costa, 1871) | * | * | * |
| <i>Plesionika martia</i> (A. Milne-Edwards, 1883) | | * | * |
| <i>Polycheles typhlops</i> Heller, 1862 | | | * |
| <i>Aegaeon cataphractus</i> (Olivi, 1792) | * | | * |
| <i>Aegaeon lacazei</i> (Gourret, 1887) | * | * | * |
| <i>Processidae</i> Ortmann, 1896 | | | * |
| <i>Rissoides pallidus</i> (Giesbrecht, 1910) | | * | |
| <i>Scalpellum scalpellum</i> (Linnaeus, 1767) | * | * | |

(continued)

Table SM1 (continued)

| <i>Species</i> | 50-150 | 151-350 | 351-650 |
|---|--------|---------|---------|
| <i>Sicyonia carinata</i> (Brünnich, 1768) | * | | |
| <i>Solenocera membranacea</i> (Risso, 1816) | * | * | * |
| <i>Squilla mantis</i> (Linnaeus, 1758) | * | | |
| Cnidaria | | | |
| <i>Species</i> | 50-150 | 151-350 | 351-650 |
| <i>Actinauge richardi</i> (Marion, 1882) | | | * |
| <i>Adamsia palliata</i> (Fabricius, 1779) | * | * | * |
| <i>Alcyonium acaule</i> Marion, 1878 | * | | |
| <i>Amphianthus dohrnii</i> (Koch, 1878) | * | | |
| <i>Calliactis parassitica</i> (Couch, 1842) | * | * | * |
| <i>Caryophyllia smithii</i> Stokes & Broderip, 1828 | * | | |
| <i>Dendrophyllia ramea</i> (Linnaeus, 1758) | * | | |
| <i>Funiculina quadrangularis</i> (Pallas, 1766) | * | * | * |
| <i>Halecium halecinum</i> (Linnaeus, 1758) | * | * | * |
| <i>Isidella elongata</i> (Esper, 1788) | | | * |
| <i>Leptogorgia sarmentosa</i> (Esper, 1789) | * | | |
| <i>Lytocarpia myriophyllum</i> (Linnaeus, 1758) | * | * | * |
| <i>Madrepora oculata</i> Linnaeus, 1758 | * | | |
| <i>Nemertesia antennina</i> (Linnaeus, 1758) | * | | |
| <i>Nemertesia ramosa</i> (Lamarck, 1816) | * | * | |
| <i>Paramuricea clavata</i> (Risso, 1826) | | | * |
| <i>Pennatula phosphorea</i> Linnaeus, 1758 | * | * | * |
| <i>Pennatula rubra</i> (Ellis, 1761) | * | * | |
| <i>Pteroeides spinosum</i> (Ellis, 1764) | * | | |
| <i>Sertularella</i> spp. Gray, 1848 | * | | * |
| <i>Virgularia mirabilis</i> (Müller, 1776) | * | | |
| Mollusca | | | |
| <i>Species</i> | 50-150 | 151-350 | 351-650 |
| <i>Abralia veranyi</i> (Rüppell, 1844) | * | * | * |
| <i>Abra alba</i> (W. Wood, 1802) | * | | |
| <i>Alloteuthis media</i> (Linnaeus, 1758) | * | * | * |
| <i>Alloteuthis subulata</i> (Lamarck, 1798) | * | * | * |
| <i>Anadara gibbosa</i> (Reeve, 1844) | * | | |
| <i>Anadara</i> spp. Gray, 1847 | * | | |
| <i>Anomia ephippium</i> Linnaeus, 1758 | * | | |
| <i>Arca tetragona</i> Poli, 1795 | * | | |
| <i>Argonauta argo</i> Linnaeus, 1758 | * | | |
| <i>Atrina fragilis</i> (Pennant, 1777) | * | | |
| <i>Bathypolypus sponsalis</i> (P. Fischer & H. Fischer, 1892) | * | | * |
| <i>Callista chione</i> (Linnaeus, 1758) | | | * |
| <i>Acanthocardia echinata</i> (Linnaeus, 1758) | * | | |
| <i>Acanthocardia paucicostata</i> (G. B. Sowerby II, 1834) | * | | |
| <i>Chama gryphoides</i> Linnaeus, 1758 | * | | |
| <i>Flexopecten glaber</i> (Linnaeus, 1758) | * | | * |
| <i>Chlamys</i> spp. Röding, 1798 | * | | |
| <i>Mimachlamys varia</i> (Linnaeus, 1758) | * | | |
| <i>Eledone cirrhosa</i> (Lamarck, 1798) | * | * | * |
| <i>Eledone moschata</i> (Lamarck, 1798) | | * | |
| <i>Glycymeris glycymeris</i> (Linnaeus, 1758) | * | | |
| <i>Gryphus vitreus</i> (Born, 1778) | * | | * |
| <i>Histioteuthis bonnellii</i> (Férussac, 1835) | * | | * |
| <i>Histioteuthis reversa</i> (Verrill, 1880) | | | * |
| <i>Illex coindetii</i> (Vérany, 1839) | * | * | * |
| <i>Glossus humanus</i> (Linnaeus, 1758) | * | | |
| <i>Laevicardium oblongum</i> (Gmelin, 1791) | * | | |
| <i>Lutraria lutraria</i> (Linnaeus, 1758) | * | | |
| <i>Gibbomodiola adriatica</i> (Lamarck, 1819) | * | | * |
| <i>Mytilaster minimus</i> (Poli, 1795) | * | | |

(continued)

Table SM1 (continued)

| Species | 50-150 | 151-350 | 351-650 |
|--|--------|---------|---------|
| <i>Mytilus galloprovincialis</i> Lamarck, 1819 | | | * |
| <i>Mytilus</i> spp. Linnaeus, 1758 | * | | |
| <i>Neorossia caroli</i> (Joubin, 1902) | * | | |
| <i>Nucula nitidosa</i> Winckworth, 1930 | * | | |
| <i>Nucula sulcata</i> Bronn, 1831 | * | * | |
| <i>Octopus salutii</i> Vérany, 1836 | | | * |
| <i>Octopus</i> spp. Cuvier, 1798 | | * | |
| <i>Pteroctopus tetracirrhus</i> (Delle Chiaje, 1830) | | | * |
| <i>Octopus vulgaris</i> Cuvier, 1797 | * | | |
| <i>Ostrea edulis</i> Linnaeus, 1758 | * | | |
| <i>Pecten jacobaeus</i> (Linnaeus, 1758) | * | | |
| <i>Pseudamussium clavatum</i> (Poli, 1795) | * | | * |
| <i>Pteria hirundo</i> (Linnaeus, 1758) | * | | |
| <i>Neopycnodonte cochlear</i> (Poli, 1795) | * | * | * |
| <i>Rondeletioa minor</i> (Naef, 1912) | * | * | * |
| <i>Rossia macrosoma</i> (Delle Chiaje, 1830) | | * | * |
| <i>Scaergus unicolor</i> (Delle Chiaje [in de Férussac & d'Orbigny], 1841) | * | * | * |
| <i>Sepietta oweniana</i> (d'Orbigny, 1841) | * | * | * |
| <i>Sepietta</i> spp. Naef, 1912 | * | | |
| <i>Sepia elegans</i> Blainville, 1827 | * | * | * |
| <i>Sepia officinalis</i> Linnaeus, 1758 | * | | |
| <i>Sepia orbignyana</i> Férussac, 1826 | * | | * |
| <i>Sepia</i> spp. Linnaeus, 1758 | | * | |
| <i>Sepioloa intermedia</i> Naef, 1912 | * | * | |
| <i>Sepioloa ligulata</i> Naef, 1912 | * | | |
| <i>Sepioloa</i> spp. Leach, 1817 | * | | * |
| <i>Politiitapes rhomboides</i> (Pennant, 1777) | | * | |
| <i>Teredo navalis</i> Linnaeus, 1758 | | | * |
| <i>Todarodes sagittatus</i> (Lamarck, 1798) | * | * | * |
| <i>Todaropsis eblanae</i> (Ball, 1841) | * | * | * |
| <i>Venus casina</i> Linnaeus, 1758 | * | | |
| <i>Chamelea gallina</i> (Linnaeus, 1758) | * | | |
| <i>Venus verrucosa</i> Linnaeus, 1758 | * | * | |
| <i>Aglaja tricolorata</i> Renier, 1807 | * | | |
| <i>Aporrhais pespelecani</i> (Linnaeus, 1758) | * | * | * |
| <i>Aporrhais serresianus</i> (Michaud, 1828) | * | | |
| <i>Bolma rugosa</i> (Linnaeus, 1767) | * | | |
| <i>Buccinum humphreysianum</i> Bennett, 1824 | | | * |
| <i>Calyptrea chinensis</i> (Linnaeus, 1758) | * | | |
| <i>Calliostoma granulatum</i> (Born, 1778) | * | * | |
| <i>Galeodea echinophora</i> (Linnaeus, 1758) | * | * | * |
| <i>Galeodea rugosa</i> (Linnaeus, 1771) | * | * | * |
| <i>Cerithium vulgatum</i> Bruguière, 1792 | * | | |
| <i>Coralliophila meyendorffii</i> (Calcara, 1845) | * | | |
| <i>Crepidula unguiformis</i> Lamarck, 1822 | * | | |
| <i>Tonna galea</i> (Linnaeus, 1758) | * | * | |
| <i>Euspira fusca</i> (Blainville, 1825) | * | * | * |
| <i>Bolinus brandaris</i> (Linnaeus, 1758) | * | * | |
| <i>Naticarius hebraeus</i> (Martyn, 1786) | * | | * |
| <i>Naticarius stercusmuscarum</i> (Gmelin, 1791) | * | * | * |
| <i>Philine aperta</i> (Linnaeus, 1767) | * | | |
| <i>Pleurobranchaea meckeli</i> (Blainville, 1825) | * | | |
| <i>Pleurobranchus testudinarius</i> Cantraine, 1835 | | | * |
| <i>Semicassis granulata undulata</i> (Gmelin, 1791) | | * | |
| <i>Tethys fimbria</i> Linnaeus, 1767 | * | | |
| <i>Pagodula echinata</i> (Kiener, 1840) | * | * | * |
| <i>Trophonopsis muricata</i> (Montagu, 1803) | * | | |
| <i>Hexaplex trunculus</i> (Linnaeus, 1758) | * | | |
| <i>Turritella communis</i> Risso, 1826 | * | | |

(continued)

| <i>Species</i> | 50-150 | 151-350 | 351-650 |
|---|--------|---------|---------|
| <i>Xenophora crispa</i> (König, 1825) | | * | |
| Annelida | | | |
| <i>Species</i> | 50-150 | 151-350 | 351-650 |
| <i>Aphrodita aculeata</i> Linnaeus, 1758 | * | | |
| <i>Laetmonice hystrix</i> (Savigny in Lamarck, 1818) | * | | |
| <i>Hyalinoecia tubicola</i> (O.F. Müller, 1776) | * | | * |
| <i>Protula intestinum</i> (Lamarck, 1818) | * | | |
| <i>Serpula vermicularis</i> Linnaeus, 1767 | * | | |
| <i>Sabella spallanzanii</i> (Gmelin, 1791) | * | | |
| <i>Sternopsis scutata</i> Ranzani, 1817 | * | | |
| Porifera | | | |
| <i>Species</i> | 50-150 | 151-350 | 351-650 |
| <i>Suberites domuncula</i> (Olivi, 1792) | * | * | |
| Echinodermata | | | |
| <i>Species</i> | 50-150 | 151-350 | 351-650 |
| <i>Anseropoda placenta</i> (Pennant, 1777) | * | | |
| <i>Antedon mediterranea</i> (Lamarck, 1816) | * | * | * |
| <i>Astrospartus mediterraneus</i> (Risso, 1826) | | * | * |
| <i>Astropecten bispinosus</i> (Otto, 1823) | * | | |
| <i>Astropecten irregularis</i> (Pennant, 1777) | * | * | * |
| <i>Astropecten</i> spp. Gray, 1840 | * | | |
| <i>Hymenodiscus coronata</i> (Sars G.O., 1872) | | | * |
| <i>Centrostephanus longispinus</i> (Philippi, 1845) | * | * | |
| <i>Chaetaster longipes</i> (Retzius, 1805) | | | * |
| <i>Cidaris cidaris</i> (Linnaeus, 1758) | * | | * |
| <i>Ocnus planci</i> (Brandt, 1835) | * | | |
| <i>Echinaster sepositus</i> (Retzius, 1783) | | | * |
| <i>Gracilechinus acutus</i> (Lamarck, 1816) | * | * | * |
| <i>Parastichopus regalis</i> (Cuvier, 1817) | * | * | |
| <i>Leptometra celtica</i> (M'Andrew & Barrett, 1857) | * | * | * |
| <i>Luidia ciliaris</i> (Philippi, 1837) | * | | |
| <i>Ophiothrix fragilis</i> (Abildgaard, in O.F. Müller, 1789) | * | * | * |
| <i>Ophiura ophiura</i> (Linnaeus, 1758) | * | | |
| <i>Ophiomyxa pentagona</i> (Lamarck, 1816) | | | * |
| <i>Phyllophorus urna</i> Grube, 1840 | | | * |
| <i>Psammechinus microtuberculatus</i> (Blainville, 1825) | * | | |
| <i>Spatangus purpureus</i> O.F. Müller, 1776 | * | | |
| <i>Stylocidaris affinis</i> (Philippi, 1845) | * | * | * |
| <i>Tethyaster subinermis</i> (Philippi, 1837) | * | | |
| <i>Leptopentacta elongata</i> (Düben & Koren, 1846) | * | | |
| <i>Leptopentacta tergestina</i> (M. Sars, 1857) | * | | |
| Tunicata | | | |
| <i>Species</i> | 50-150 | 151-350 | 351-650 |
| <i>Aplidium</i> spp. Savigny, 1816 | | | * |
| <i>Asciidiella aspersa</i> (Müller, 1776) | * | * | * |
| <i>Ascidia virginea</i> Müller, 1776 | * | | |
| <i>Diazona violacea</i> Savigny, 1816 | | | * |
| <i>Microcosmus claudicans</i> (Savigny, 1816) | | | * |
| <i>Microcosmus vulgaris</i> Heller, 1877 | | | * |
| <i>Phallusia mamillata</i> (Cuvier, 1815) | | | * |
| <i>Salpa</i> spp. Forskål, 1775 | * | | |
| Tentaculata | | | |
| <i>Species</i> | 50-150 | 151-350 | 351-650 |
| <i>Fron dipora verrucosa</i> (Lamouroux, 1821) | * | | |
| <i>Reteporella beaniana</i> (King, 1846) | * | | |

Figure SM1. Model Validation.

