

Supporting Information Table S2: Species found at each locality in this study. This table excludes 23 GenBank specimens (Scaphopoda) that lack locality information but are known to occur in Canada.

Species	Region (Province/State)
Bivalvia	Bamfield (British Columbia)
<i>Clinocardium nuttallii</i>	
<i>Crassostrea gigas</i>	
<i>Cyclocardia crassidens</i>	
<i>Keenocardium californiense</i>	
<i>Macoma nasuta</i>	
<i>Mya arenaria</i>	
<i>Mytilus californianus</i>	
<i>Mytilus trossulus</i>	
<i>Ruditapes philippinarum</i>	
<i>Tresus capax</i>	
Gastropoda	
<i>Amphissa columbiana</i>	
<i>Amphissa versicolor</i>	
<i>Armina californica</i>	
<i>Cadlina luteomarginata</i>	
<i>Calliostoma ligatum</i>	
<i>Ceratostoma foliatum</i>	
<i>Cidarina cidaris</i>	
<i>Crepidatella lingulata</i>	
<i>Diaulula sandiegensis</i>	
<i>Homalopoma baculum</i>	
<i>Fissurellidea bimaculata</i>	
<i>Flabellina verrucosa</i>	
<i>Littorina sitkana</i>	
<i>Lottia digitalis</i>	
<i>Lottia paradigitalis</i>	
<i>Melanella thersites</i>	
<i>Montereina nobilis</i>	
<i>Nucella lamellosa</i>	
<i>Nucella ostrina</i>	
<i>Ocinebrina lurida</i>	
<i>Odostomia sp. KL02</i>	
<i>Onchidella borealis</i>	
<i>Onchidella cf. carpenteri</i>	
<i>Onchidoris bilamellata</i>	
<i>Petalconchus compactus</i>	
<i>Pomaulax gibberosus</i>	
<i>Puncturella galeata</i>	
<i>Serpulorbis sp. KL01</i>	
<i>Tegula pulligo</i>	
<i>Tegula funebris</i>	
<i>Trichotropis cancellata</i>	
Polyplacophora	
<i>Cyanoplax dentiens</i>	
<i>Katharina tunicata</i>	
<i>Lepidochitona flectens</i>	
<i>Lepidozona interstincta</i>	

Lepidozona radians
Mopalia improcata
Tonicella undocaerulea

Scaphopoda

Rhabdus rectius

Bivalvia

Haida Gwaii (British Columbia)

Mytilus trossulus
Pododesmus macrochisma

Cephalopoda

Enteroctopus dofleini
Loligo opalescens
Octopus rubescens
Rossia pacifica

Gastropoda

Acmaea mitra
Alia carinata
Amphissa reticulata
Armina californica
Calliostoma canaliculatum
Calliostoma ligatum
Cidarina cidaris
Crepidula williamsi
Crepidatella lingulata
Dirona albolineata
Doris montereyensis
Flabellina verrucosa
Haminoea virescens
Homalopoma luridum
Janolus fuscus
Lacuna vincta
Lirabuccinum dirum
Lirularia succincta
Littorina plena
Littorina sitkana
Lottia digitalis
Lottia paradigitalis
Lottia pelta
Lottia scutum
Mitrella cf. tuberosa
Montereina lentiginosa
Neptunea ithia
Neptunea phoenicea
Nucella canaliculata
Nucella lamellosa
Ocinebrina sclera
Onchidoris muricata
Rostanga pulchra
Tegula pulligo

Polyplacophora

Cyanoplax dentiens
Lepidochitona flectens

Lepidozona interstincta
Lepidozona radians
Leptochiton rugatus
Mopalia kennerleyi
Mopalia lignosa
Mopalia vespertina
Tonicella lineata

Bivalvia Nanaimo (British Columbia)
Crassostrea gigas

Bivalvia Pacific Rim National Park (British Columbia)
Mytilus californianus
Mytilus trossulus

Gastropoda
Lottia paradigitalis
Lottia scutum
Nucella ostrina
Tegula funebris

Cephalopoda Tofino (British Columbia)
Dosidicus gigas

Bivalvia Beaufort Sea
Astarte montagui
Batharca pectunculoides
Ciliatocardium ciliatum
Cuspidaria glacialis
Cuspidaria subtorta
Ennucula tenuis
Macoma moesta
Musculus discors
Musculus niger
Nuculana pernula
Similipecten greenlandicus
Yoldia hyperborea
Yoldia myalis
Yoldiella frigida
Yoldiella nana

Gastropoda
Boreotrophon truncatus
Buccinum sensumaruae
Cryptonatica affinis
Cylichna alba
Cylichna cf. gouldii
Margarites costalis
Oenopota sp. KL04
Tachyrhynchus reticulatus

Bivalvia Cook Inlet (Alaska)
Axinopsida serricata
Clinocardium nuttallii
Glycymeris septentrionalis
Keenocardium blandum

Keenocardium californiense
Kellia suborbicularis
Leukoma staminea
Mactromeris polynyma
Mytilus trossulus
Pododesmus macrochisma
Saxidomus gigantea
Tellina nuculoides

Gastropoda

Acanthodoris nanaimoensis
Acanthodoris pilosa
Acmaea mitra
Aeolidia papillosa
Amphissa columbiana
Ariadnaria insignis
Boreotrophon cepula
Buccinum aleuticum
Calliostoma ligatum
Crepidula williamsi
Cryptobranchia concentrica
Cryptonatica affinis
Cryptonatica aleutica
Cryptonatica russa
Discurria insessa
Doris montereyensis
Eubranchus rupium
Flabellina cf. trophina
Flabellina verrucosa
Gastropterion pacificum
Lacuna sp. KL01
Lacuna vincta
Lirabuccinum dirum
Lirularia succincta
Littorina sitkana
Littorinimorpha sp. KL01
Littorinimorpha sp. KL03
Littorinimorpha sp. KL04
Lottia alveus
Lottia digitalis
Lottia pelta
Lottia scutum
Margarites groenlandicus
Margarites pupillus
Neverita lewisii
Nucella canaliculata
Nucella emarginata
Odostomia sp. KL01
Olivella baetica
Onchidella borealis
Propebela fidicula
Scabrotrophon maltzani
Trichotropis cancellata
Triopha catalinae

Polyplacophora

Boreochiton beringensis
Cryptochiton stelleri
Cyanoplax fernaldi
Katharina tunicata
Leptochiton alascensis
Mopalia kennerleyi
Tonicella insignis
Tonicella lineata

Bivalvia

Baffin Bay (Greenland)

Astarte montagui
Bathyarca pectunculoides

Bivalvia

Cornwallis Island (Nunavut)

Mya truncata

Gastropoda

Aeolidia sp. KL02

Polyplacophora

Stenosemus albus

Gastropoda

Devon Island (Nunavut)

Dendronotus frondosus
Flabellina salmonacea
Margarites olivaceus

Bivalvia

Igloolik (Nunavut)

Ennucula tenuis
Macoma calcarea
Mya truncata
Nuculana radiata
Portlandia arctica
Serripes laperousii

Cephalopoda

Rossia glaucopis

Gastropoda

Buccinum hydrophanum
Clione limacina
Cylichna cf. gouldii
Dendronotus frondosus
Flabellina salmonacea
Margarites helacinus
Margarites sp. KL01
Scabrotrophon fabricii

Polyplacophora

Tonicella marmorea

Bivalvia

Resolute (Nunavut)

Mya truncata
Serripes laperousii

Cephalopoda

Rossia palpebrosa

Gastropoda

Admete sp. KL01

Aeolidia sp. 2

Buccinum hydrophanum

Buccinum sp. KL01

Clione limacina

Dendronotus frondosus

Margarites olivaceus

Oenopota sp. KL01

Oenopota sp. KL03

Philine lima

Retusa obtusa

Polyplacophora

Stenosemus albus

Tonicella marmorea

Bivalvia

Churchill (Manitoba)

Axinopsida orbiculata

Crenella faba

Ennucula tenuis

Macoma balthica

Mytilus edulis

Mytilus trossulus

Gastropoda

Admete viridula

Aeolidia sp. KL01

Diaphana minuta

Ecrobia truncata

Flabellina sp. KL01

Littorina saxatilis

Limacina helicina

Margarites costalis

Margarites helicinus

Oenopota bicarinata

Oenopota sp. KL02

Philine lima

Propebela turricula

Retusa obtusa

Polyplacophora

Stenosemus albus

Tonicella marmorea

Gastropoda

Baie Ste-Marguerite (Quebec)

Palio dubia

Propebela turricula

Tachyrhynchus erosus

Bivalvia

St. Andrews (New Brunswick)

Astarte borealis

Cyclocardia borealis

Mercenaria mercenaria
Modiolus modiolus
Mytilus edulis
Mytilus trossulus
Nucula proxima
Spisula solidissima

Gastropoda

Buccinum undatum
Colus stimpsoni
Crepidula fornicata
Cuthona columbiana
Dendronotus cf. robustus
Dendronotus frondosus
Euspira heros
Euspira pallida
Flabellina salmonacea
Lacuna vincta
Littorina littorea
Littorina obtusata
Littorina saxatilis
Nucella lapillus
Onchidoris bilamellata

Polyplacophora

Tonicella marmorea
Tonicella rubra

Gastropoda

Littorina littorea

Fundy National Park (New Brunswick)

Cephalopoda

Brachioteuthis beani
Mastigoteuthis magna

Maritimes Region

Bivalvia

Mytilus edulis
Mytilus trossulus

Peggy's Cove (Nova Scotia)

Gastropoda

Lacuna vincta
Littorina littorea
Littorina obtusata
Littorina saxatilis
Nucella lapillus

Bivalvia

Mytilus edulis

Lunenburg (Nova Scotia)

Gastropoda

Littorina obtusata
Littorina saxatilis
Urosalpinx cinerea

Bivalvia

Mytilus edulis

Prospect (Nova Scotia)

Gastropoda*Littorina obtusata**Littorina littorea*

Bivalvia

Riverport (Nova Scotia)

*Gemma gemma***Gastropoda***Euspira heros**Littorina littorea*

Gastropoda

Wolfville (Nova Scotia)

Ilyanassa obsoleta

Gastropoda

Cavendish (Prince Edward Island)

*Ilyanassa obsoleta**Littorina saxatilis*

Bivalvia

Malpeque Bay (Prince Edward Island)

*Gemma gemma**Mercenaria mercenaria***Gastropoda***Boonea cf. bisuturalis**Ecrobia truncata**Ilyanassa obsoleta**Littorina littorea**Littorina saxatilis*

Bivalvia

Summerside (Prince Edward Island)

*Crassostrea virginica**Mercenaria mercenaria*

Bivalvia

Tea Hill (Prince Edward Island)

*Crassostrea virginica**Ensis directus**Mytilus edulis***Gastropoda***Ilyanassa obsoleta**Nucella lapillus*

BivalviaBonne Bay (Newfoundland and
Labrador)*Macoma balthica**Mya arenaria**Thyasira gouldi*

BivalviaMain Brook (Newfoundland and
Labrador)*Mya arenaria*

BivalviaNachvak Fjord (Newfoundland and
Labrador)*Ennucula tenuis*

Polyplacophora*Tonicella marmorea*

Bivalvia*Yoldia hyperborea*Saglek Fjord (Newfoundland and
Labrador)

Gastropoda*Littorina littorea**Nucella lapillus*Terra Nova National Park (Newfoundland
and Labrador)

Scaphopoda*Siphonodentalium lobatum*

Iceland (Northwest Atlantic)
