

Supplement

Figure S1 - Intertidal rock pools selected in temperate and tropical region with similar surface area and depth.

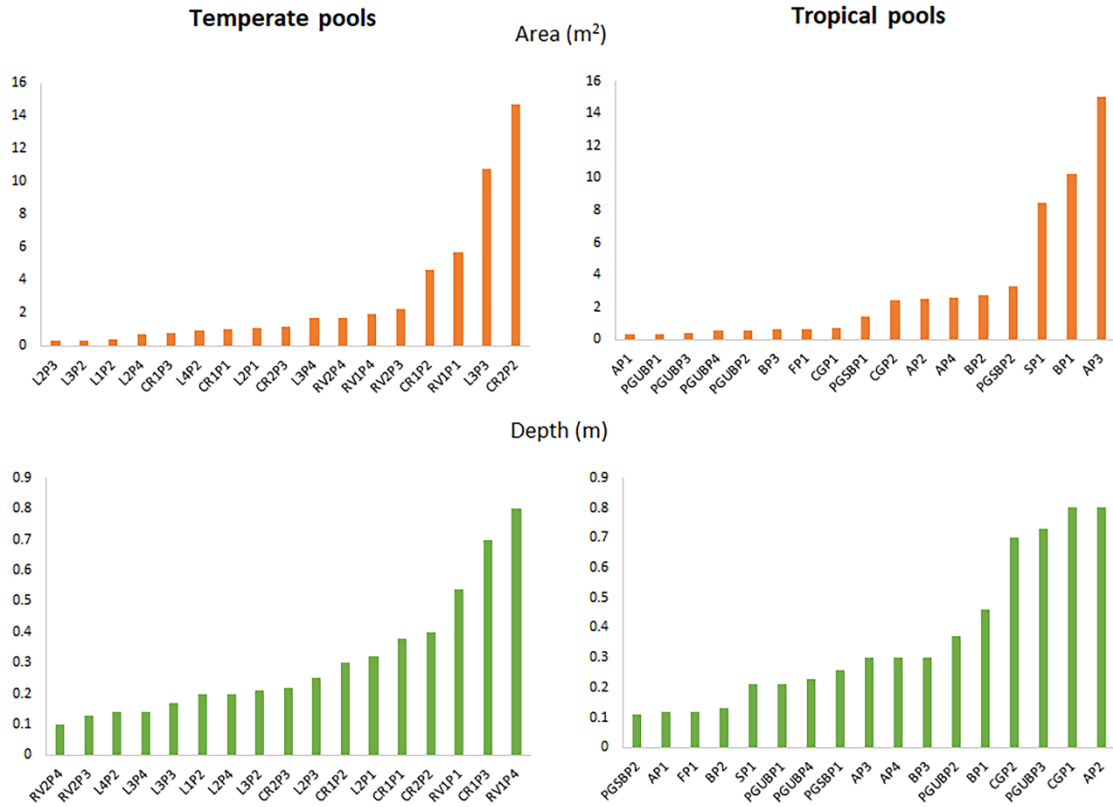


Table S1 - List of all taxa identified in the temperate (Portugal) and tropical (Brazil) rock pools.

Temperate region - Portugal	
<i>Ulva lactuca</i>	Chlorophyta
<i>Codium</i> sp.	Chlorophyta
<i>Cladophora rupestris</i>	Chlorophyta
<i>Leathesia marina</i>	Ochrophyta
<i>Colpomenia peregrina</i>	Ochrophyta
<i>Bifurcaria bifurcata</i>	Ochrophyta
<i>Cystoseira</i> sp.	Ochrophyta
<i>Sargassum</i> sp.	Ochrophyta
<i>Fucus vesiculosus</i>	Ochrophyta
<i>Sphacelaria cirrosa</i>	Ochrophyta
<i>Saccorhiza polyschides</i>	Ochrophyta
<i>Dictyota dichotoma</i>	Ochrophyta
<i>Dictyopteris polypodioides</i>	Ochrophyta
<i>Padina pavonica</i>	Ochrophyta
<i>Asparagopsis armata</i>	Rhodophyta
<i>Ellisolandia elongata</i>	Rhodophyta
<i>Lithophyllum</i> sp.	Rhodophyta
<i>Lithophyllum byssoides</i>	Rhodophyta
<i>Jania</i> sp.	Rhodophyta
<i>Corallina officinalis</i>	Rhodophyta
<i>Ceramium ciliatum</i>	Rhodophyta
<i>Ceramium virgatum</i>	Rhodophyta
<i>Laurencia pinnatifida</i>	Rhodophyta
<i>Heterosiphonia</i> sp.	Rhodophyta
<i>Chondrus crispus</i>	Rhodophyta
<i>Gelidium corneum</i>	Rhodophyta
<i>Gelidium spinosum</i>	Rhodophyta
<i>Gracilariopsis longissima</i>	Rhodophyta
<i>Rhodymenia pseudopalmata</i>	Rhodophyta
<i>Palmaria palmata</i>	Rhodophyta
<i>Porphyra</i> sp.	Rhodophyta
Porifera	Porifera
<i>Aulactinia verrucosa</i>	Cnidaria
<i>Anemonia sulcata</i>	Cnidaria
<i>Actinia equina</i>	Cnidaria
<i>Actinia fragacea</i>	Cnidaria
<i>Actinothoe sphyrodeta</i>	Cnidaria
<i>Sagartia elegans</i>	Cnidaria
Turbellaria	Platyhelminthes
<i>Procerodes</i> sp.	Platyhelminthes
Nemertea	Nemertea
Nematoda	Nematoda
Polychaeta	Annelida

Oligochaeta	Annelida
<i>Acanthochitona crinita</i>	Polyplacophora
<i>Lepidochitona cinerea</i>	Polyplacophora
<i>Chiton olivaceus</i>	Polyplacophora
<i>Leptochiton algesirensis</i>	Polyplacophora
<i>Patella vulgata</i>	Gastropoda
<i>Patella depressa</i>	Gastropoda
<i>Patella ulyssiponensis</i>	Gastropoda
<i>Patella rustica</i>	Gastropoda
Skeneidae	Gastropoda
<i>Gibbula umbilicalis</i>	Gastropoda
<i>Phorcus lineatus</i>	Gastropoda
Rissoidae	Gastropoda
<i>Polinices</i> sp.	Gastropoda
Turritellidae	Gastropoda
<i>Hydrobia</i> sp.	Gastropoda
<i>Nucella</i> sp.	Gastropoda
<i>Ocenebra erinaceus</i>	Gastropoda
Nassariidae	Gastropoda
Turridae	Gastropoda
<i>Tricolia pullus</i>	Gastropoda
<i>Calliostoma zizyphinum</i>	Gastropoda
<i>Omalogyra atomus</i>	Gastropoda
<i>Turbonilla</i> sp.	Gastropoda
<i>Chrysallida pellucida</i>	Gastropoda
<i>Barleeia</i> sp.	Gastropoda
<i>Littorina</i> sp.	Gastropoda
<i>Epitonium clathrus</i>	Gastropoda
<i>Aplysia punctata</i>	Gastropoda
<i>Onchidella celtica</i>	Gastropoda
<i>Aeolidia papillosa</i>	Gastropoda
<i>Hypselodoris</i> sp.	Gastropoda
<i>Felimida purpurea</i>	Gastropoda
<i>Diaphorodoris papillata</i>	Gastropoda
<i>Musculus costulatus</i>	Bivalvia
<i>Mytilus galloprovincialis</i>	Bivalvia
<i>Modiolula phaseolina</i>	Bivalvia
<i>Barnea candida</i>	Bivalvia
Petricolinae	Bivalvia
Cardiidae	Bivalvia
<i>Angulus tenuis</i>	Bivalvia
<i>Solecortus strigilatus</i>	Bivalvia
<i>Venerupis</i> sp.	Bivalvia
<i>Turtonia minuta</i>	Bivalvia
<i>Octopus vulgaris</i>	Cephalopoda
Cumacea	Malacostraca

Tanaidacea	Malacostraca
Mysida	Malacostraca
<i>Jaera</i> sp.	Malacostraca
Sphaeromatidae	Malacostraca
Munnidae	Malacostraca
Idoteidae	Malacostraca
<i>Anthura</i> sp.	Malacostraca
Amphilochidae	Malacostraca
Ampithoidae	Malacostraca
Gammaridae	Malacostraca
Stenothoidae	Malacostraca
Calliopidae	Malacostraca
Leucothoidae	Malacostraca
Lysianassidae	Malacostraca
Iphimediidae	Malacostraca
<i>Caprella</i> sp.	Malacostraca
Melitidae	Malacostraca
Ischyroceridae	Malacostraca
<i>Palaemon serratus</i>	Malacostraca
<i>Palaemon adspersus</i>	Malacostraca
<i>Palaemon longirostris</i>	Malacostraca
<i>Palaemon elegans</i>	Malacostraca
<i>Hippolyte varians</i>	Malacostraca
<i>Eriphia verrucosa</i>	Malacostraca
<i>Pachygrapsus marmoratus</i>	Malacostraca
<i>Lophozozymus incisus</i>	Malacostraca
<i>Xantho pilipes</i>	Malacostraca
<i>Pirimela denticulata</i>	Malacostraca
<i>Carcinus maenas</i>	Malacostraca
<i>Porcellana platycheles</i>	Malacostraca
<i>Maja squinado</i>	Malacostraca
<i>Necora puber</i>	Malacostraca
Callianassidae	Malacostraca
Copepoda	Maxillopoda
<i>Chthamalus</i> sp.	Maxillopoda
<i>Balanus</i> sp.	Maxillopoda
Insecta	Insecta
Halacaridae	Arachnida
Pantopoda	Pycnogonida
Ectoprocta	Ectoprocta
<i>Asterina gibbosa</i>	Echinodermata
<i>Marthasterias glacialis</i>	Echinodermata
Ophiuroidea	Echinodermata
<i>Paracentrotus lividus</i>	Echinodermata
<i>Holothuria</i> sp.	Echinodermata
<i>Botryllus schlosseri</i>	Chordata

<i>Sardina pilchardus</i>	Chordata
<i>Liza ramada</i>	Chordata
<i>Atherina boyeri</i>	Chordata
<i>Diplodus sargus sargus</i>	Chordata
<i>Lipophrys trigloides</i>	Chordata
<i>Lipophrys pholis</i>	Chordata
<i>Coryphoblennius galerita</i>	Chordata
<i>Gobius niger</i>	Chordata
<i>Gobius paganellus</i>	Chordata
<i>Lepidotrigla</i> sp.	Chordata
<i>Lepadogaster lepadogaster</i>	Chordata

Tropical region - Brazil

<i>Ulva lactuca</i>	Chlorophyta
<i>Codium</i> sp.	Chlorophyta
<i>Caulerpa racemosa</i>	Chlorophyta
<i>Rhizoclonium riparium</i>	Chlorophyta
<i>Chaetomorpha gracilis</i>	Chlorophyta
<i>Bryopsis</i> sp.	Chlorophyta
<i>Sargassum cymosum</i>	Ochrophyta
<i>Asteronema breviarticulatum</i>	Ochrophyta
<i>Bachelotia</i> sp.	Ochrophyta
<i>Colpomenia peregrina</i>	Ochrophyta
<i>Sphacelaria</i> sp.	Ochrophyta
<i>Padina</i> sp.	Ochrophyta
<i>Dictyota</i> sp.	Ochrophyta
<i>Bostrychia</i> sp.	Rhodophyta
<i>Acanthophora spicifera</i>	Rhodophyta
<i>Hypnea musciformis</i>	Rhodophyta
<i>Gelidium</i> sp.	Rhodophyta
<i>Jania rubens</i>	Rhodophyta
<i>Lithophyllum</i> sp.	Rhodophyta
<i>Amphiroa</i> sp.	Rhodophyta
<i>Hymeniacidon heliophila</i>	Porifera
<i>Bunodosoma cangicum</i>	Cnidaria
<i>Bunodosoma caissarum</i>	Cnidaria
<i>Renilla</i> sp.	Cnidaria
<i>Protopalythoa variabilis</i>	Cnidaria
Platyhelminthes	Platyhelminthes
Nematoda	Nematoda
Polychaeta	Annelida
<i>Ischnochiton striolatus</i>	Polyplacophora
<i>Lottia subrugosa</i>	Gastropoda
<i>Fissurella clenchi</i>	Gastropoda

<i>Tegula viridula</i>	Gastropoda
<i>Stramonita haemastoma</i>	Gastropoda
<i>Morula nodulosa</i>	Gastropoda
Columbellidae	Gastropoda
<i>Nodilittorina lineolata</i>	Gastropoda
Potamididae	Gastropoda
<i>Cerithium atratum</i>	Gastropoda
<i>Petaloconchus</i> sp.	Gastropoda
<i>Strombus</i> sp.	Gastropoda
Lischkeia	Gastropoda
<i>Mytilaster solisianus</i>	Bivalvia
<i>Perna perna</i>	Bivalvia
<i>Crassostrea virginica</i>	Bivalvia
<i>Isognomon bicolor</i>	Bivalvia
<i>Barbatia candida</i>	Bivalvia
<i>Solenocurtus strigilatus</i>	Bivalvia
Cuspidariidae	Bivalvia
Cumacea	Malacostraca
Tanaidacea	Malacostraca
Isopoda	Malacostraca
Oedicerotidae	Malacostraca
Colomastigidae	Malacostraca
Sebidae	Malacostraca
Gammaridae	Malacostraca
<i>Pagurus</i> sp.	Malacostraca
<i>Litopenaeus schmitti</i>	Malacostraca
<i>Alpheus formosus</i>	Malacostraca
<i>Palaemon northropi</i>	Malacostraca
<i>Eriphia gonagra</i>	Malacostraca
<i>Clibanarius vittatus</i>	Malacostraca
<i>Microphrys bicornutus</i>	Malacostraca
<i>Pachygrapsus transversus</i>	Malacostraca
<i>Callinectes sapidus</i>	Malacostraca
<i>Cronius ruber</i>	Malacostraca
<i>Eurypanopeus abbreviatus</i>	Malacostraca
<i>Tetraclita stalactifera</i>	Maxillopoda
<i>Megabalanus tintinnabulum</i>	Maxillopoda
Copepoda	Maxillopoda
<i>Echinometra lucunter</i>	Echinodermata
<i>Ophiactis savignyi</i>	Echinodermata
<i>Holothuria grisea</i>	Echinodermata
<i>Odontesthes argentinensis</i>	Chordata
<i>Bathygobius soporator</i>	Chordata
<i>Eucinostomus melanopterus</i>	Chordata

<i>Scartella cristata</i>	Chordata
<i>Parablennius marmoreus</i>	Chordata
<i>Malacoctenus delalandii</i>	Chordata