

Table S4. Species and accession numbers from raw reads and transcriptomes from cnidarians retrieved from NCBI SRA (Sequence Read Archive) and TSA (Transcriptome Shotgun Assembly) databases

Species	Accession number	Database
<i>Agalma elegans</i>	SRX288285	SRA
<i>Anemonia sulcata</i>	SRX971488	SRA
<i>Abylopsis tetragona</i>	SRX288276	SRA
<i>Acanthogorgia aspera</i>	GETB000000000.1	TSA
<i>Acanthogorgia aspera</i>	GEXC000000000.1	TSA
<i>Acropora cervicornis</i>	GASU000000000.1	TSA
<i>Acropora digitifera</i>	SRX1534832	SRA
<i>Acropora gemmifera</i>	SRX1592211	SRA
<i>Acropora hyacinthus</i>	GDIF000000000.1	TSA
<i>Acropora millepora</i>	SRX117504	SRA
<i>Actinia equina</i>	this study	
<i>Actinia tenebrosa</i>	GEVE000000000.1	TSA
<i>Aegina citrea</i>	SRX978663	SRA
<i>Aglantha digitale</i>	SRX011007	SRA
<i>Aiptasia pallida</i>	this study	
<i>Alatina alata</i>	GEUJ000000000.1	TSA
<i>Alatina alata</i>	SRX978662	SRA
<i>Anemonia sulcata</i>	SRR1944532	SRA
<i>Anemonia sulcata</i>	SRR1944533	SRA
<i>Anemonia viridis</i>	SRX699624	SRA
<i>Anthomastus</i> sp.	SRX978648	SRA
<i>Anthopleura elegantissima</i>	GBXJ000000000.1	TSA
<i>Anthopleura elegantissima</i>	GBYC000000000.1	TSA
<i>Anthopleura elegantissima</i>	this study	
<i>Antipathes griggi</i>	SRX978649	SRA
<i>Atolla vanhoeffeni</i>	SRX978650	SRA
<i>Aurelia aurita</i>	GBRG000000000.1	TSA
<i>Aurelia aurita</i>	SRX019580	SRA
<i>Bolocera tuediae</i>	SRX130170	SRA
<i>Bunodosoma cavernata</i>	this study	
<i>Chironex fleckeri</i>	SRX891607	SRA
<i>Chrysaora fuscescens</i>	SRX1595658	SRA
<i>Craseoa lathetica</i>	SRX288432	SRA
<i>Calibelemnon francei</i>	SRX978651	SRA
<i>Calliactis parasitica</i>	this study	
<i>Candelabrum</i> sp.	SRX978652	SRA
<i>Cerianthidae</i>	SRX978653	SRA
<i>Cerianthus borealis</i>	HAGY000000000.1	TSA
<i>Chiropsalmus quadrumanus</i>	SRX263954	SRA
<i>Clytia hemisphaerica</i>	GBGP000000000.1	TSA
<i>Corynactis californica</i>	SRX326758	SRA
<i>Craspedacusta sowerbii</i>	SRX978654	SRA
<i>Craspedacusta sowerbii</i>	GAMY000000000.1	TSA
<i>Craterolophus convolvulus</i>	HAGZ000000000.1	TSA

<i>Ctenactis echinata</i>	GDZV000000000.1	TSA
<i>Cyanea capillata</i>	SRX969049	SRA
<i>Cyphastrea serailia</i>	GETH000000000.1	TSA
<i>Cyphastrea serailia</i>	SRX1661255	SRA
<i>Dendrophyllia</i> sp.	SRX873929	SRA
<i>Ectopleura larynx</i>	GANB010000000.1	TSA
<i>Ectopleura larynx</i>	SRX315375	SRA
<i>Eguchipsammia fistula</i>	SRX871043	SRA
<i>Favia lizardensis</i>	GDZU000000000.1	TSA
<i>Gorgonia ventalina</i>	SRX177804	SRA
<i>Haliclystus auricula</i>	HAHA000000000.1	TSA
<i>Haliclystus sanjuanensis</i>	SRX978656	SRA
<i>Haliplanella luciae</i>	this study	
<i>Halitrephes valdiviae</i>	SRX978657	SRA
<i>Heteractis crispa</i>	SRX976881	SRA
<i>Hormathia digitata</i>	SRX130171	SRA
<i>Hydra magnipapillata</i>	GAOL000000000.1	TSA
<i>Hydra oligactis</i>	GBFD000000000.1	TSA
<i>Hydra viridissima</i>	SRX019578	SRA
<i>Hydra vulgaris</i>	GEVZ000000000.1	TSA
<i>Hydra vulgaris</i>	HAAC000000000.1	TSA
<i>Hydra vulgaris</i>	HAAD000000000.1	TSA
<i>Hydra vulgaris</i>	SRX1048727	SRA
<i>Hydractinia symbiolongicarpus</i>	GAWH000000000.1	TSA
<i>Hydractinia symbiolongicarpus</i>	GCHW000000000.1	TSA
<i>Hydractinia symbiolongicarpus</i>	SRX871545	SRA
<i>Keratoisidinae</i>	SRX978658	SRA
<i>Kudoa iwatai</i>	GBGI000000000.1	TSA
<i>Lucernaria quadricornis</i>	HAHD000000000.1	TSA
<i>Metridium senile</i>	this study	
<i>Millepora alcicornis</i>	GFAS000000000.1	TSA
<i>Myxobolus cereбрalis</i>	GBKL000000000.1	TSA
<i>Nanomia bijuga</i>	SRX288430	SRA
<i>Nematostella vectensis</i>	GAMZ01000001.1	TSA
<i>Nematostella vectensis</i>	HADN000000000.1	TSA
<i>Nematostella vectensis</i>	HADO000000000.1	TSA
<i>Nematostella vectensis</i>	HADP000000000.1	TSA
<i>Nematostella vectensis</i>	SRX542442	SRA
<i>Nephthyigorgia</i> sp.	SRX978659	SRA
<i>Obelia longissima</i>	SRX978660	SRA
<i>Orbicella faveolata</i>	SRX655824	SRA
<i>Palythoa caribaeorum</i>	GESO000000000.1	TSA
<i>Periphylla periphylla</i>	SRX956805	SRA
<i>Platygyra carnosus</i>	SRX118069	SRA
<i>Pocillopora damicornis</i>	GEFF000000000.1	TSA

<i>Podocoryna carnea</i>	GCHV00000000.1	TSA
<i>Podocoryna carnea</i>	SRX871555	SRA
<i>Podocoryna carnea</i>	GBEH00000000.1	TSA
<i>Polypodium hydriforme</i>	GBGH00000000.1	TSA
<i>Polypodium hydriforme</i>	SRX570527	SRA
<i>Porites astreoides</i>	SRX1045045	SRA
<i>Porites astreoides</i>	GEHP00000000.1	TSA
<i>Protopalythoa variabilis</i>	GCVI00000000.1	TSA
<i>Pseudodiploria strigosa</i>	HACD00000000.1	TSA
<i>Renilla koellikeri</i>	this study	
<i>Rhizotrochus</i> sp.	SRX873920	SRA
<i>Rhopilema esculentum</i>	GEMS00000000.1	TSA
<i>Sargatia elegans</i>	this study	
<i>Scleronephtha</i> sp.	SRX978661	SRA
<i>Stomolophus meleagris</i>	SRX470083	SRA
<i>Stomphia coccinea</i>	this study	
<i>Stylophora pistillata</i>	GARY00000000.1	TSA
<i>Triactis producta</i>	this study	
<i>Tripedalia cystophora</i>	SRX1098015	SRA
<i>Turritopsis</i> sp.	IAAF00000000.1	TSA