

Phylum	Subclade	Species	Data Source	NCBI Accession #	Citation
Echinodermata	Asteroidea	<i>Acanthaster planci</i>	NCBI Genome	GCF_001949145.1	Hall et al. (2017)
Echinodermata	Asteroidea	<i>Asterias rubens</i>	NCBI Genome	GCF_902459465.1	Hennebert et al. (2015)
Echinodermata	Crinoidea	<i>Anneissia japonica</i>	NCBI Genome	GCF_011630105.1	Li et al. (2020)
Echinodermata	Echinoidea	<i>Strongylocentrotus purpuratus</i>	NCBI Genome	GCF_000002235.1	Sodergren et al. (2006)
Echinodermata	Holothuroidea	<i>Apostichopus japonicus</i>	NCBI Genome	GCA_002754855.1	Li et al. (2020)
Hemichordata	Harimaniidae	<i>Saccoglossus mereschkowskii</i>	NCBI SRA	SRR1695461	Cannon et al. (2014)
Hemichordata	Harimaniidae	<i>Sacoglossus kowalevskii</i>	NCBI Genome	GCF_000003605.2	Simakov et al. (2015)
Hemichordata	Pterobranchia	<i>Cephalodiscus gracilis</i>	NCBI SRA	SRR1695473	Cannon et al. (2014)
Hemichordata	Pterobranchia	<i>Cephalodiscus hodgsoni</i>	NCBI SRA	SRR1695470	Cannon et al. (2014)
Hemichordata	Pterobranchia	<i>Cephalodiscus nigrescens</i>	NCBI SRA	SRR1695472	Cannon et al. (2014)
Hemichordata	Pterobranchia	<i>Cephalodiscus</i> sp. "Heron Island"	NCBI SRA	SRR11101524	Li et al. (2018)
Hemichordata	Pterobranchia	<i>Rhabdopleura annulata</i>	NCBI SRA	SRR11101525	Li et al. (2018)
Hemichordata	Pterobranchia	<i>Rhabdopleura compacta</i>	NCBI SRA	DRR198815	?
Hemichordata	Pterobranchia	<i>Rhabdopleura</i> sp. "BE-2015"	NCBI SRA	SRR1806842	?
Hemichordata	Pterobranchia	<i>Rhabdopleura</i> sp. "Iceland"	NCBI SRA	SRR1695476	Cannon et al. (2014)
Hemichordata	Ptychoderidae	<i>Balanoglossus aurantiaca</i>	NCBI SRA	SRR1695460	Cannon et al. (2014)
Hemichordata	Ptychoderidae	<i>Ptychodera bahamensis</i>	NCBI SRA	SRR1695458	Cannon et al. (2014)
Hemichordata	Ptychoderidae	<i>Ptychodera flava</i>	NCBI TSA	GDGM01.1	Luttrell et al. (2016)
Hemichordata	Spengelidae	<i>Schizocardium californicum</i>	NCBI SRA	SRR2922012	?
Hemichordata	Spengelidae	<i>Schizocardium cf brasiliense</i>	NCBI SRA	SRR1695467	Cannon et al. (2014)
Hemichordata	Spengelidae	<i>Schizocardium karankawa</i>	This study	OP596160.1	This study
Hemichordata	Torquaratoridae	Torquaratoridae sp. "Iceland"	NCBI SRA	SRR1695468	Cannon et al. (2014)
Hemichordata	Torquaratoridae	Torquaratoridae sp. "Antarctica"	NCBI SRA	SRR1695469	Cannon et al. (2014)