

Species	Mitogeneome Length (bp)	mtDNA Genome	G-C content (%)	Locality	Latitude	Longitude	Assembler
Ammonotheidae							
<i>Ammonothea calmani</i>	15,448	OK583907	19.44	Amundsen Sea, Antarctica	73°15'S	129°30'W	NOVOPlasty v.4.3.1
<i>Ammonothea carolinensis</i>	15,101	GU065293.1/NC 014671.1	19.57	Ross Sea, Antarctica	74°41'S	164°07'0 E	N/A
<i>Achelia bituberculata</i>	15,474	AY457170.1	22.96	East Sea, Pohang Korea	-	-	N/A
<i>Tanystylum Orbiculare</i>	15,251	GU370074.1/NC 014505.1	20.02	Massachusetts, USA	-	-	N/A
<i>Tanystylum sp.</i>	16,679	OK649925	24.98	Twin Cays, Belize	16°49'00.0"N	88°06'00.0"W	NOVOPlasty v.4.3.1
Ascorhynchidae							
<i>Ascorhynchus sp.</i>	15,380	OK573458	20.34	Western Antarctic Peninsula	62°60'S	58°36'W	NOVOPlasty v.4.3.1
Austrodecidae							
<i>Austrodecus sp.</i>	15,021	OK623745	19.77	Hugo Island, Antarctica	64°41.3'S	64°40.192'W	SPAdes v.3.13.0
Callipallenidae							
<i>Austropallene cornigera</i>	14,650 bp	OK623743	21.60	Western Antarctic Peninsula	63°50'42.7"S	62°37'24.8"W	NOVOPlasty v.4.3.1
<i>Austropallene bucera</i>	15,177 bp	OK412987	21.62	Western Antarctic Peninsula	63°23'19.0"S	60°07'12.4"W	NOVOPlasty v.4.3.1
Colossendeidae							
<i>Colossendeis megalonyx</i>	15,474	HQ450773.1	21.32	Bouvet Island, Subantarctic	-	-	N?A
<i>Decolopoda australis</i>	14,961	OK623744	19.63	Amundsen Sea, Antarctica	72°47'S	104°33'W	NOVOPlasty v.4.3.1
<i>Colossendeis brevirostris</i>	15,857	OK623747	20.77	Ross Sea, Antarctica	76°14'42.9"S	174°30'14.8"E	NOVOPlasty v.4.3.1
<i>Colossendeis robusta</i>	16,692	OK649923	19.88	Ross Shelf, Antarctica	76°20'28.4"S	170°51'01.8"W	NOVOPlasty v.4.3.1
Endeidae							
<i>Endeis sp. #1</i>	16,818	OK649926	26.01	Blake, Antarctica	63°19'40.9"S	56°46'17.2"W	NOVOPlasty v.4.3.1
<i>Endeis sp. #2</i>	15,484	OK649924	26.86	McMurdo Sound, Antarctica	77°50'00.0"S	166°33'00.0"E	NOVOPlasty v.4.3.1
Pallenopsidae							
<i>Pallenopsis pilosa</i>	15,326	OK649918	21.75	Ross Sea, Antarctica	76°60'S	175°06"W	NOVOPlasty v.4.3.1
<i>Pallenopsis patagonica</i>	16,078	OK649919	23.24	Western Antarctic Peninsula	62°54'S	59°10'W	NOVOPlasty v.4.3.1
Phoxichilididae							
<i>Andoplodactylus australis</i>	17,834	OK649922	23.03	Western Antarctic Peninsula	63°42'S	56°05'W	NOVOPlasty v.4.3.1
Rhynchothoracidae							
<i>Rhynchothorax sp. #1</i>	14,668	OK649914	26.34	Western Antarctic Peninsula	62°38'21.1"S	54°38'08.6"W	NOVOPlasty v.4.3.1
<i>Rhynchothorax sp. #2</i>	15,773	OK649915	23.17	Western Antarctic Peninsula	63°28'31.3"S	52°55'46.7"W	NOVOPlasty v.4.3.1
Nymphonidae							
<i>Nymphon brevicaudatum</i>	14,857	OK649917	25.71	Wrights Gulf, Antarctica	73°17'48.0"S	129°11'32.8"W	NOVOPlasty v.4.3.1
<i>Nymphon australe</i>	15,186	OK649916	23.02	Ross Sea, Antarctica	76°14'42.9"S	174°30'14.8"E	NOVOPlasty v.4.3.1