

Multigene dataset

Species	Voucher	Locality	COI	16S	H3	28S
<i>Coryphella alexanderi</i> sp. nov.	MIMB42468	Russia, Okhotsk Sea	OL984252	OL984051	-	-
<i>Coryphella alexanderi</i> sp. nov.	MIMB42469a	Russia, Okhotsk Sea	OL984251	OL984049	-	-
<i>Coryphella alexanderi</i> sp. nov.	MIMB42469b	Russia, Okhotsk Sea	OL984250	OL984050	OM008008	OL984048
<i>Coryphella alexanderi</i> sp. nov.	ZMMU WS14380	Russia, Okhotsk Sea	MZ832585	MZ821310	MZ868855	MZ821424
<i>Coryphella amabilis</i> (Hirano & Kuzirian, 1991)	GB	USA, Washington	GQ292022	-	-	-
<i>Coryphella athadona</i> Bergh, 1875	ZMMU Op-498	Russia, Sea of Japan	MF523332	MF523414	MF523256	MF523489
<i>Coryphella borealis</i> Odhner, 1922	MT09694	North Sea	KR084727	-	-	-
<i>Coryphella borealis</i> Odhner, 1922	MT09704	North Sea	KR084774	-	-	-
<i>Coryphella borealis</i> Odhner, 1922	MT09705	North Sea	KR084492	-	-	-
<i>Coryphella borealis</i> Odhner, 1922	MT09706	North Sea	KR084560	-	-	-
<i>Coryphella borealis</i> Odhner, 1922	GNM9417	Norway	MG452631	MG452682	MG452600	MG452635
<i>Coryphella browni</i> Picton, 1980	NTNU VM 65462	Norway, Sällåtneset	-	MG452647	MG452563	-
<i>Coryphella browni</i> Picton, 1980	NTNU VM 65465	Norway, Sor-Trondelag	-	MG452649	MG452564	-
<i>Coryphella browni</i> Picton, 1980	NTNU VM 68800	Norway, Gulen	MG452620	MG452670	MG452589	-
<i>Coryphella browni</i> Picton, 1980	NTNU VM 68801	Norway, Gulen	MG452619	MG452669	MG452588	-
<i>Coryphella browni</i> Picton, 1980	NTNU VM 68802	Norway, Gulen	MG452621	MG452671	MG452590	-
<i>Coryphella browni</i> Picton, 1980	NTNU VM 68803	Norway, Gulen	MG452622	MG452672	MG452591	-
<i>Coryphella browni</i> Picton, 1980	NTNU VM 68821	Norway, Gulen	MG452630	MG452680	MG452599	-
<i>Coryphella browni</i> Picton, 1980	NTNU VM 68822	Norway, Gulen	MG452629	MG452679	MG452598	-
<i>Coryphella browni</i> Picton, 1980	ZMMU Op-413	Norway, Gulen	MF523333	MF523423	MF523257	MF523496
<i>Coryphella chriskaugei</i> (Korshunova et al., 2017)	NTNU VM 67131	Norway, Gulen	MG452606	MG452656	MG452575	-
<i>Coryphella chriskaugei</i> (Korshunova et al., 2017)	NTNU VM 68804	Norway, Gulen	MG452613	MG452663	MG452582	-
<i>Coryphella chriskaugei</i> (Korshunova et al., 2017)	NTNU VM 68807	Norway, Gulen	MG452611	MG452661	MG452580	-
<i>Coryphella chriskaugei</i> (Korshunova et al., 2017)	ZMMU Op-477	Norway, Gulen	MF523372	MF523429	MF523296	MF523500
<i>Coryphella chriskaugei</i> (Korshunova et al., 2017)	ZMMU Op-499	Norway, Gulen	MF523357	MF523417	MF523281	MF523491
<i>Coryphella chriskaugei</i> (Korshunova et al., 2017)	ZMMU Op-542	Norway, Gulen	MF523355	MF523405	MF523279	MF523481
<i>Coryphella falklandica</i> Eliot, 1907	ZSM Mol 20070592	Chile	MF523334	MF523467	MF523258	MF523530
<i>Coryphella gracilis</i> (Alder & Hancock, 1844)	ZMMU Op-500	Russia, Barents Sea	MF523335	MF523420	MF523259	MF523493
<i>Coryphella gracilis</i> (Alder & Hancock, 1844)	CAS183938	Maine	KY129055	KY128846	KY128640	-

Multigene dataset

<i>Coryphella gracilis</i> (Alder & Hancock, 1844)	NTNU VM 68811	Norway, Gulen	MG452628	MG452678	MG452597	-
<i>Coryphella gracilis</i> (Alder & Hancock, 1844)	NTNU VM 68812	Norway, Gulen	MG452626	MG452676	MG452595	-
<i>Coryphella gracilis</i> (Alder & Hancock, 1844)	NTNU VM 68813	Norway, Gulen	MG452627	MG452677	MG452596	-
<i>Coryphella gracilis</i> (Alder & Hancock, 1844)	ZMMU Op-501	Russia, Franz Josef Land	MF523336	MF523442	MF523260	MF523509
<i>Coryphella gracilis</i> (Alder & Hancock, 1844)	ZMMU Op-502	Norway, Gulen	MF523337	MF523443	MF523261	MF523510
<i>Coryphella gracilis</i> (Alder & Hancock, 1844)	ZMMU Op-503	Norway, Gulen	MF523338	MF523444	MF523262	MF523511
<i>Coryphella gracilis</i> (Alder & Hancock, 1844)	ZMMU Op-504	Russia, Barents Sea	MF523339	MF523445	MF523263	MF523512
<i>Coryphella gracilis</i> (Alder & Hancock, 1844)	ZMMU Op-505	Russia, Barents Sea	MF523340	MF523446	MF523264	MF523513
<i>Coryphella lineata</i> (Lovén, 1846)	NTNU VM 68815	Norway, Gulen	MG452608	MG452658	MG452577	-
<i>Coryphella lineata</i> (Lovén, 1846)	ZMMU Op-506	Norway, Gulen	MF523343	MF523402	MF523267	MF523478
<i>Coryphella lineata</i> (Lovén, 1846)	ZMMU Op-507	Norway, Gulen	MF523344	MF523403	MF523268	MF523479
<i>Coryphella lineata</i> (Lovén, 1846)	ZMMU Op-508	Norway, Gulen	MF523345	MF523404	MF523269	MF523480
<i>Coryphella monicae</i> (Korshunova et al., 2017)	NTNU VM 68816	Norway, Gulen	MG452609	MG452659	MG452578	-
<i>Coryphella monicae</i> (Korshunova et al., 2017)	ZMMU Op-408	Norway, Gulen	MF523373	MF523441	MF523297	MF523508
<i>Coryphella monicae</i> (Korshunova et al., 2017)	ZMMU Op-411	Norway, Gulen	MF523370	MF523410	MF523294	MF523486
<i>Coryphella monicae</i> (Korshunova et al., 2017)	ZMMU Op-476	Norway, Gulen	MF523371	MF523425	MF523295	MF523498
<i>Coryphella nobilis</i> Verrill, 1880	NTNU VM 66922	Norway, Svalbard	-	MG452652	MG452570	-
<i>Coryphella nobilis</i> Verrill, 1880	NTNU VM 66923	Norway, Svalbard	-	MG452650	MG452568	-
<i>Coryphella nobilis</i> Verrill, 1880	ZMMU Op-510	Russia, White Sea	MF523347	MF523411	MF523271	MF523487
<i>Coryphella nobilis</i> Verrill, 1880	ZMMU Op-511	Russia, White Sea	MF523348	-	MF523272	MF523516
<i>Coryphella orjani</i> (Korshunova et al., 2017)	NTNU VM 67091	Norway, Gulen	MG452604	MG452655	MG452573	-
<i>Coryphella orjani</i> (Korshunova et al., 2017)	ZMMU Op-467	Norway, Gulen	MF523361	MF523424	MF523285	MF523497
<i>Coryphella orjani</i> (Korshunova et al., 2017)	ZMMU Op-468	Norway, Gulen	MF523362	MF523426	MF523286	MF523499
<i>Coryphella orjani</i> (Korshunova et al., 2017)	ZMMU Op-469	Norway, Gulen	MF523364	MF523428	MF523288	-
<i>Coryphella orjani</i> (Korshunova et al., 2017)	ZMMU Op-470	Norway, Gulen	MF523366	MF523431	MF523290	-
<i>Coryphella orjani</i> (Korshunova et al., 2017)	ZMMU Op-471	Norway, Gulen	MF523367	MF523432	MF523291	-
<i>Coryphella orjani</i> (Korshunova et al., 2017)	ZMMU Op-472	Norway, Gulen	MF523368	MF523433	MF523292	-
<i>Coryphella orjani</i> (Korshunova et al., 2017)	ZMMU Op-473	Norway, Gulen	MF523363	MF523427	MF523287	-
<i>Coryphella orjani</i> (Korshunova et al., 2017)	ZMMU Op-474	Norway, Gulen	MF523365	MF523430	MF523289	-
<i>Coryphella orjani</i> (Korshunova et al., 2017)	ZMMU Op-538	Norway, Gulen	MF523360	MF523416	MF523284	MF523490

Multigene dataset

<i>Coryphella sanamyanae</i> (Korshunova et al., 2017)	ZMMU Op-518	Russia, Matua Island	-	MF523461	MF523298	MF523527
<i>Coryphella trilineata</i> O'Donoghue, 1921	CAS179466	California	KY129064	KY128855	KY128649	-
<i>Coryphella trophina</i> (Bergh, 1890)	ZMMU Op-531	Russia, Kamchatka	MF523388	MF523440	MF523313	MF523507
<i>Coryphella trophina</i> (Bergh, 1890)	ZMMU Op-532	Russia, Kamchatka	MF523389	MF523460	MF523314	MF523526
<i>Coryphella verrucosa</i> (Sars M., 1829)	ZMMU Op-527	Russia, Kamchatka	MF523351	-	MF523275	MF523517
<i>Coryphella verrucosa</i> (Sars M., 1829)	ZMMU Op-528	Russia, Kamchatka	MF523352	MF523454	MF523276	MF523521
<i>Coryphella verrucosa</i> (Sars M., 1829)	ZMMU Op-529	Russia, Kamchatka	MF523353	MF523456	MF523277	MF523522
<i>Coryphella verrucosa</i> (Sars M., 1829)	NTNU VM 62688	Norway, Frøya	-	MG452637	MG452554	-
<i>Coryphella verrucosa</i> (Sars M., 1829)	NTNU VM 62691	Norway, Frøya	-	MG452636	MG452553	-
<i>Coryphella verrucosa</i> (Sars M., 1829)	NTNU VM 62693	Norway, Moss	-	MG452638	MG452555	-
<i>Coryphella verrucosa</i> (Sars M., 1829)	NTNU VM 68808	Norway, Gulen	MG452614	MG452664	MG452583	-
<i>Coryphella verrucosa</i> (Sars M., 1829)	NTNU VM 68809	Norway, Gulen	MG452616	MG452666	MG452585	-
<i>Coryphella verrucosa</i> (Sars M., 1829)	NTNU VM 68810	Norway, Gulen	MG452615	MG452665	MG452584	-
<i>Coryphella verrucosa</i> (Sars M., 1829)	NTNU VM 68825	Norway, Gulen	MG452624	MG452674	MG452593	-
<i>Coryphella verrucosa</i> (Sars M., 1829)	NTNU VM 68826	Norway, Gulen	MG452623	MG452673	MG452592	-
<i>Coryphella verrucosa</i> (Sars M., 1829)	NTNU VM 68827	Norway, Gulen	MG452625	MG452675	MG452594	-
<i>Coryphella verrucosa</i> (Sars M., 1829)	ZMMU Op-520	Russia, White Sea	MF523374	MF523412	MF523299	MF523488
<i>Coryphella verrucosa</i> (Sars M., 1829)	ZMMU Op-521	Russia, Barents Sea	MF523375	MF523421	MF523300	MF523494
<i>Coryphella verrucosa</i> (Sars M., 1829)	PPM197	Canada, Hudson Bay	KF643409	-	-	-
<i>Coryphella verrucosa</i> (Sars M., 1829)	CAS183939	USA, Maine	KY129065	KY128856	KY128650	-
OUTGROUPS						
<i>Bonisa nakaza</i> Gosliner, 1981	CASIZ176146	South Africa	HM162746	HM162670	HM162579	-
<i>Janolus longidentatus</i> Gosliner, 1981	CASIZ176320	South Africa	HM162749	HM162673	HM162582	-
<i>Tritoncula pickensi</i> (Ev. Marcus & Er. Marcus, 1967)	CASIZ175718	Panama	HM162717	HM162642	HM162549	-
<i>Tritonia plebeia</i> Johnston, 1828	ZMMU Op-572	Norway	KX788134	KX788122	-	KX788132