

Supplementary Materials

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Supplementary Table S1. List of materials: strain number, voucher code, taxon name, DNA bank and INSDC accession numbers, and locality

Strain	Voucher	Taxon name	DNA bank	18SV4 rRNA	rbcL	Locality
D26_016	B 40 0040736	<i>Cocconeis coreana</i> R. Jahn & B. M. Suh nov. sp.	DB8213	No DNA	No DNA	Republic of Korea, Chollanam-do, creek at Taeansa, 35.131281° N, 127.388590° E, 299 m asl, Oct 13, 2004, leg. R. Jahn & B. M. Suh, isol. J. Bansemer
D119_029	B 40 0041501 Holotype	<i>Cocconeis coreana</i> R. Jahn & B. M. Suh nov. sp.	DB30679	LR890010	LR890014	DPR Korea, Myohyangsan, Hyangsan, waterfalls, 40.0265° N, 126.198° E, ±2,000 m, Sep 17, 2014, leg. B. M. Suh & R. Jahn, isol. O. Skibbe
K13rj7_9	B 40 0040898	<i>Cocconeis coreana</i> R. Jahn & B. M. Suh nov. sp.	DB31770	LR890011	LR890015	Republic of Korea, Jeollanam-do, Gwangyang-si, 244-2 Golyak-dong, 34.945156° N, 127.680095° E, ±20 m, Mar 19, 2013, leg. R. Jahn & B. M. Suh, isol. O. Skibbe
KCoc12_1	B 40 0040893	<i>Cocconeis coreana</i> R. Jahn & B. M. Suh nov. sp.	DB31776	KM592927	LR890016	Republic of Korea, Chollanam-do, creek at Taeansa, 35.131281° N, 127.388590° E, 299 m asl, May 20, 2012, leg. R. Jahn & B. M. Suh, isol. O. Skibbe
KCoc12_2	B 40 0040894	<i>Cocconeis coreana</i> R. Jahn & B. M. Suh nov. sp.	DB31777	KM592928	LR890017	DPR Korea, Kuwolsan, 2Danpyokpo Waterfall, 38.489001° N, 125.299810° E, ±2,000 m, 900 m asl, Jun 10, 2012, leg. B. M. Suh & R. Jahn, isol. O. Skibbe
NK8_32a	B 40 0040810	<i>Cocconeis sijnunghoensis</i> R. Jahn & B. M. Suh nov. sp.	DB31849	KM592929	LR890018	DPR Korea, Lagoon Sijnungho, 39.009173° N, 127.836374° E, ±50 m, 2 m asl, Apr 24, 2011, leg. B. M. Suh & R. Jahn, isol. O. Skibbe
NK8_32b	B 40 0040811 Holotype	<i>Cocconeis sijnunghoensis</i> R. Jahn & B. M. Suh nov. sp.	DB31850	KM592930	LR890019	DPR Korea, Lagoon Sijnungho, 39.009173° N, 127.836374° E, ±50 m, 2 m asl, Apr 24, 2011, leg. B. M. Suh & R. Jahn, isol. O. Skibbe
D36_012	B 40 0040647 Epitype	<i>Cocconeis placentula</i> Ehrenberg	DB8211	KY650804	KY650834	Germany, Berlin, Tiergarten, Landwehrkanal, 52.510733° N, 13.338638° E, ±20 m, Jun 11, 2005, leg. W. -H. Kusber, isol. O. Skibbe
D17_011	B 40 0040735 Epitype	<i>Cocconeis lineata</i> Ehrenberg	DB8212	LR890012	LR890020	Faroe Islands, Eysturo, Creek at Lambi, 2.141944° N, 6.714722° E, 40 m asl, Aug 2, 2004, leg. & isol. J. Bansemer
WiCoc02b	B 40 0040892 Epitype	<i>Cocconeis euglypta</i> Ehrenberg	DB31989	KM592933	LR890021	Germany, Wismar, pier Bad Wendorf, Baltic Sea, on <i>Ceramium rubrum</i> , 51.911941° N, 11.431931° E, Aug 4, 2012, leg. R. Jahn, isol. O. Skibbe
WiCoc01	B 40 0040737	<i>Cocconeis</i> sp.	DB8214	LR890013	LR890022	Germany, Wismar, pier Bad Wendorf, Baltic Sea, 51.911941° N, 11.431931° E, Sep 1, 2009, leg. R. Jahn, isol. O. Skibbe
AT_212Gel11	-	<i>Cocconeis placentula</i> var. <i>lineata</i>	-	AM502013	AM710480	Germany, Schleswig-Holstein, Dobersdorfer See, 54.33100° N, 10.29533° E, Aug 12, 2003, leg. & isol. K. Bruder
TCC449	-	<i>Cocconeis placentula</i> var. <i>euglypta</i>	-	-	KT072907	France, Ile de Mayotte, rivière de Bouyouini site intermédiaire, 12.735° N, 45.14151° E, Oct 22, 2009
TCC501	-	<i>Cocconeis placentula</i>	-	KC736616	KC736591	France, Ile de Mayotte, rivière Kwalé site amont, 12.801° N, 45.2038° E, Jun 4, 2010
TCC518	-	<i>Cocconeis placentula</i>	-	KT072968	-	France, Ile de Mayotte, rivière de Bouyouini site amont, 12.736° N, 45.1383° E, Oct 21, 2009
UTEX FD23	-	<i>Cocconeis placentula</i>	-	HQ912592	HQ912456	USA, Iowa, Oct 28, 1982, isolated by Czarnecki