

Supplementary Material

MATERIAL EXAMINED

Abbreviations

AL, aperture length

dd, dead collected specimens

juv, juvenile

LWL, last whorl length

MNHN, Muséum National d'Histoire Naturelle, Paris

NHMUK, Natural History Museum, London

SL, shell length

W, shell width (diameter) perpendicular to SL

Crassispira cerithina (Anton, 1838)

Non-sequenced specimens:

Loyalty Islands, Lifou, Baie du Santal, LIFOU 2000, st. 1416, 20°49.2'S, 167°10.7'E, 5-7 m (1 dd juv); st. 1426, 20°45.9'S, 167°06.2'E, 4-7 m (3 dd juv);

Philippines, PANGLAO 2004, st. R38, Pamilacan Island, 9°29.4'N, 123°56.0'E, 6-37 m (1 dd); st. S5, Panglao Island, Napaling, 9°37.1'N, 123°46.1'E, 2-4 m (1 dd); Sta. S32, Panglao Island, Looc, 9°35.8'N, 123°44.6'E, 2-3 m (1 dd).

Philippines, Mindoro, Puerto Galera Peninsula, 5-30 m, leg. P. Stahlschmidt, 6/2002, Coll. Stahlschmidt (1 dd).

Australia, Queensland, Fitzroy Island, shallow water, leg. M. Verhaeghe 1991, Coll. Stahlschmidt (1 dd).

Sri Lanka, Beruwela, ca. 35 m, leg. S. Kahlbrock, ca. 2010, Coll. Stahlschmidt (2 dd).

Sequenced specimens:

Vanuatu, SANTO 2006, st. FR11, S Aoré Island, 15°36.9'S, 167°10.5'E, 6-33 m (MNHN IM-2007-42554, MNHN IM-2007-42555); st. VM46, E Aoré Island, 15°34.5'S, 167°12.3'E, intertidal (MNHN IM-2007-42590).

Papua New Guinea, Madang Lagoon, PAPUA NIUGINI, st. PM25, Rempi Area, Barag Is., 05°01.1'S, 145°47.9'E, intertidal (MNHN IM-2013-02995, female; MNHN IM-2013-02997; MNHN IM-2013-13343; MNHN IM-2013-13347; MNHN IM-2013-13348); st. PR04,

Tab Is., 05°10.1'S, 145°50.5'E, 30 m (MNHN IM-2013-10347); st. PB08, N Siar Is., 05°11'S, 145°48.4'E, 4-5 m (MNHN IM-2013-11206); st. PR12, N Siar Is., 05°11'S, 145°48.4'E (MNHN IM-2013-11459); st. PB16, N Sek Is., 05°04.7'S, 145°48.8'E, 5 m (MNHN IM-2013-12838, female); st. PM19, Alexishafen Islet, SE Megas Islet, 05°05.4'S, 145°48.6'E, 0-1 m (MNHN IM-2013-12889; MNHN IM-2013-12890; MNHN IM-2013-12891); st. PR29, Sek Is., 05°05.6'S, 145°49.4'E (MNHN IM-2013-12987); st. PR35, S Sek Is., 05°06.3'S, 145°49.3'E (MNHN IM-2013-13151, female); st. PM27, Rempi Area, N Tadwai Is., 04°59.3'S, 145°47.6'E (MNHN IM-2013-13304; MNHN IM-2013-13309; MNHN IM-2013-13311; MNHN IM-2013-13312); st. PR63, Rempi Area, E Dumduman Is., 05°01.1'S, 145°48'E, 2-13 m (MNHN IM-2013-14099, male); st. PR64, S Kranket Is., 05°12.3'S, 145°48.8'E (MNHN IM-2013-14352); st. PS26, E Kranket Is., 05°11.9'S, 145°49.6'E, 8-20 m (MNHN IM-2013-14843); st. PR110, S Kranket Is., 05°12.3'S, 145°48.8'E, 40 m (MNHN IM-2013-15541); st. PR159, N Wonad Is., 05°07.1'S, 145°49.4'E, 15 m (MNHN IM-2013-17089; MNHN IM-2013-17090); st. PB47, N Kranket Is., 05°11.3'S, 145°49.6'E, 5 m (MNHN IM-2013-18085); st. PM51, Ulimal Is., 05°05.5'S, 145°48.6'E, 0-1 m (MNHN IM-2013-18110);

Papua New Guinea: Kavieng Lagoon, KAVIENG 2014 st. KR48, W of bommie at entrance to Albatross Passage, 02°45.2'S, 150°43.1'E, 3-42 m (MNHN IM-2013-50817); st. KS31, Steffen Strait, W side of Wadei Is., 02°39.5'S, 150°37.7'E, 15 m (MNHN IM-2013-53412); st. KR144, SW of Nusalomon Is., 02°37.7'S, 150°40.2'E, 4-6 m (MNHN IM-2013-54885; MNHN IM-2013-54886).

Crassispira scala n. sp.

Non-sequenced specimens:

New Caledonia, MONTROUZIER, st. 1273, Touho, 20°50.4'S, 165°22.8'E, 20 m (1 dd juv); st. 1310, Koumac, 20°39.7'S, 164°14.9'E, 15 m (1 lv, radula voucher); st. 1312, Koumac, 20°40.4'S, 164°14.9'E, 26-40 m (1 lv, 1 dd); st. 1319, Koumac, 20°44.7'S, 164°15.5'E, 15-20 m (2 lv); st. 1357, Nouméa Sector, 22°30.2'S, 166°26.4'E, 25-35 m (1 dd); LAGON, st. DW294, Grand Récif Sud, 22°43.7'S, 166°41.8'E, 20-21 m (1 dd); st. DW455, Atoll de Surprise, 18°29.5'S, 163°07.9'E, 40 m (1 lv); st. DW542, Lagon Nord, 19°06.4'S, 163°10'E, 49-50 m (1 dd); st. DW553, Grand Récif Sud, 22°51.1'S, 166°55.3'E, 35-42 m (1 lv); st. DW771, Poindimié Sector, 21°09'S, 165°42.5'E, 34 m (1 dd); st. DW1139, Belep Sector, 19°23.6'S, 163°47'E, 38-39 m (1 dd), st. DW1159, Belep Sector, 19°13'S, 163°06.9'E, 50 m (1 dd); st. DW1197, Belep Sector, 19°35.6'S, 163°22.1'E, 41 m (1 dd).

Loyalty Islands, LIFOU, Baie du Santal, st. 1422, 20°47.1'S, 167°07.4'E, 4 m (3 dd); st. 1432, Baie du Santal, 20°53.5'S, 167°02.7'E, 12-32 m (1 dd); st. 1433, 20°47.5'S, 167°07.4'E, 12-17 m (2 lv, 2 dd); st. 1444, 20°55.0'S, 167°05.2'E, 9-20 m (1 dd juv); st. 1447, 20°45.8'S, 167°01.65'E, 17-31 m (1 dd); st. 1453, 20°54.6'S, 167°02.1'E, 21-30 m (1 lv); st. 1454, 20°56.65'S, 167°02.0'E, 15-18 m (1 lv).

Coral Sea, Chesterfield Plateau, CORAIL 2, st. DW155, 19°49.1'S, 158°24.9'E, 42 m (1 dd juv).

Philippines, PANGLAO 2004, st. B3, Panglao Island, Arco Point, 9°33.5'N, 123°48.6'E, 8 m (1 juv. dd); st. B4, Panglao Island, BBC Point, 9°33.2'N, 123°48.3'E, 24 m (1 subadult dd); st. B5, Panglao Island, Biking, 9°35.2'N, 123°50.4'E, 4 m (1 dd juv); st. B12, Panglao Island, Doljo Point, 9°35.6'N, 123°43.2'E, 24-27 m (2 dd subadults); st. B16, Panglao Island, Bingag, 9°37.6'N, 123°47.3'E, 20 m (2 dd); st. D4, Panglao Island, Pontod Is., 9°33.1'N, 123°44.0'E, 0-2 m (1 dd subadult); st. G1, Bohol Island, Cortes, 9°41.9'N, 123°49.5'E, 100 m (1 subadult); st. L65-68, Pamilacan Island, 9°29.9'N, 123°55.1'E, 55-81 m (2 dd); st. L76, Panglao Island, Momo Beach, 9°36.5'N, 123°45.3'E, ca. 80 m (5 dd); st. P3, Balicasag Island, 9°31.1'N, 123°41.5'E, ca. 100 m (1 dd); st. P4, Panglao Island, Momo Beach, 9°36.5'N - 9°36.9'N, 123°45.3'E - 123°45.8'E, 80-120 m (1 dd subadult); st. R19, Panglao Island, Napaling, 9°37.1/2'N, 123°46.1/4'E, 2-54 m (1 dd); st. R38, Pamilacan Island, 9°29.4'N, 123°56.0'E, 6-37 m (1 dd); st. R43, Bohol Island, Cortes, 9°41.3'N, 123°49.5'E, 3-41 m (1 dd); st. S13, Bohol Island, Baclayon Takot, 9°37.1'N, 123°52.6'E, 8-15 m (1 dd); st. S24, Panglao Island, Momo Beach, 9°36.1'N, 123°45.0'E, 2-4 m (1 dd).

Micronesia, Guam, Barracuda Point, 10-12 m, coral sand, leg. F. Schroeder, 2/2001, Coll. Stahlschmidt (2 dd); North Marianas Islands, Saipan Island, Lau Lau Beach, 10-15 m, coral sand, leg. H. Blalock, 9/2006, Coll. Stahlschmidt (1 dd), Kwajalein Atoll, Carlson Island, oceanside dropoff, 10 m, coral rubble, leg. L. Jarwinski, Coll. Stahlschmidt (1 dd).

Sequenced specimens:

Vanuatu, SANTO 2006, st. DR85, 15°36.8'S, 167°08.5'E, 1-42 m (MNHN IM-2007-42588).

Papua New Guinea, Madang Lagoon, PAPUA NIUGINI, st. PM25, Rempi Area, 05°01.1'S, 145°47.9'E, intertidal (MNHN IM-2013-02996); st. PM27, Rempi Area, 04°59.3'S, 145°47.6'E, intertidal (MNHN IM-2013-13937); st. PR123, N Tab Island, 05°09.4'S, 145°50'E, 31 m (MNHN IM-2013-15965);

Papua New Guinea, Kavieng Lagoon, KAVIENG 2014: st. KR20, New Ireland, 02°33.2'S, 150°48.2'E, 3-20 m (MNHN IM-2013-47746); st. KD12, Albatross Passage,

02°44.6'S, 150°42.8'E, 12-15 m (MNHN IM-2013-50802); st. KR25, 02°43.7'S, 150°37.1'E, 3-43 m (MNHN IM-2013-51995); st. KR70, 02°40.3'S, 150°39.1'E, 9-11 m (MNHN IM-2013-53442, male); st. KR76, 02°36.6'S, 150°40.6'E, 5-21 m (MNHN IM-2013-53469).

Crassispira procera n. sp.

Philippines, PANGLAO 2004, st. L76, Panglao Island, Momo Beach, 9°36.5'N, 123°45.3'E, ca. 80 m (2 dd); st. L65-68, Pamilacan Island, 9°29.9'N, 123°55.1'E, 55-81 m (1 dd); Panglao Island, commercial lumun-lumun, about 80 m, Coll. Stahlschmidt (2 dd).

Table S1. List of sequenced specimens. The coordinates of the stations are given above.

MNHN #	Species	Country	Expedition	Station #	BOLD	COI	28S
MNHN-IM-2007-42554	<i>Crassispira cerithina</i>	Vanuatu	SANTO 2006	FR11	CON0871-08	KX051344	KX051390
MNHN-IM-2007-42555	<i>Crassispira cerithina</i>	Vanuatu	SANTO 2006	FR11	CON0872-08	KX051365	KX051399
MNHN-IM-2007-42590	<i>Crassispira cerithina</i>	Vanuatu	SANTO 2006	VM46	CON0907-08	KX051364	KX051398
MNHN-IM-2013-10347	<i>Crassispira cerithina</i>	Papua New Guinea	PAPUA NIUGINI	PR04	CON01839-16	KX051375	
MNHN-IM-2013-11206	<i>Crassispira cerithina</i>	Papua New Guinea	PAPUA NIUGINI	PB08	CON01814-16	KX051368	
MNHN-IM-2013-11459	<i>Crassispira cerithina</i>	Papua New Guinea	PAPUA NIUGINI	PR12	CON01815-16	KX051340	
MNHN-IM-2013-12838	<i>Crassispira cerithina</i>	Papua New Guinea	PAPUA NIUGINI	PB16	CON01816-16	KX051343	
MNHN-IM-2013-12889	<i>Crassispira cerithina</i>	Papua New Guinea	PAPUA NIUGINI	PM19	CON01817-16	KX051346	
MNHN-IM-2013-12890	<i>Crassispira cerithina</i>	Papua New Guinea	PAPUA NIUGINI	PM19	CON01818-16	KX051363	
MNHN-IM-2013-12891	<i>Crassispira cerithina</i>	Papua New Guinea	PAPUA NIUGINI	PM19	CON01819-16	KX051370	
MNHN-IM-2013-12987	<i>Crassispira cerithina</i>	Papua New Guinea	PAPUA NIUGINI	PR29	CON01820-16	KX051367	
MNHN-IM-2013-13151	<i>Crassispira cerithina</i>	Papua New Guinea	PAPUA NIUGINI	PR35	CON01821-16	KX051350	
MNHN-IM-2013-13304	<i>Crassispira cerithina</i>	Papua New Guinea	PAPUA NIUGINI	PM27	CON01822-16	KX051372	
MNHN-IM-2013-13309	<i>Crassispira cerithina</i>	Papua New Guinea	PAPUA NIUGINI	PM27	CON01823-16	KX051342	
MNHN-IM-2013-13311	<i>Crassispira cerithina</i>	Papua New Guinea	PAPUA NIUGINI	PM27	CON01824-16	KX051339	KX051389
MNHN-IM-2013-13312	<i>Crassispira cerithina</i>	Papua New Guinea	PAPUA NIUGINI	PM27	CON01825-16	KX051335	KX051388
MNHN-IM-2013-13343	<i>Crassispira cerithina</i>	Papua New Guinea	PAPUA NIUGINI	PM25	CON01826-16	KX051357	KX051395
MNHN-IM-2013-13347	<i>Crassispira cerithina</i>	Papua New Guinea	PAPUA NIUGINI	PM25	CON01827-16	KX051352	
MNHN-IM-2013-13348	<i>Crassispira cerithina</i>	Papua New Guinea	PAPUA NIUGINI	PM25	CON01828-16	KX051374	
MNHN-IM-2013-14099	<i>Crassispira cerithina</i>	Papua New Guinea	PAPUA NIUGINI	PR63	CON01830-16	KX051334	
MNHN-IM-2013-14352	<i>Crassispira cerithina</i>	Papua New Guinea	PAPUA NIUGINI	PR64	CON01831-16	KX051361	
MNHN-IM-2013-14843	<i>Crassispira cerithina</i>	Papua New Guinea	PAPUA NIUGINI	PS26	CON01832-16	KX051354	
MNHN-IM-2013-15541	<i>Crassispira cerithina</i>	Papua New Guinea	PAPUA NIUGINI	PR110	CON01833-16	KX051366	
MNHN-IM-2013-17089	<i>Crassispira cerithina</i>	Papua New Guinea	PAPUA NIUGINI	PR159	CON01835-16	KX051347	
MNHN-IM-2013-17090	<i>Crassispira cerithina</i>	Papua New Guinea	PAPUA NIUGINI	PR159	CON01836-16	KX051356	
MNHN-IM-2013-18085	<i>Crassispira cerithina</i>	Papua New Guinea	PAPUA NIUGINI	PB47	CON01837-16	KX051341	
MNHN-IM-2013-18110	<i>Crassispira cerithina</i>	Papua New Guinea	PAPUA NIUGINI	PM51	CON01838-16	KX051360	
MNHN-IM-2013-2995	<i>Crassispira cerithina</i>	Papua New Guinea	PAPUA NIUGINI	PM25	CON01849-16	KX051345	
MNHN-IM-2013-2997	<i>Crassispira cerithina</i>	Papua New Guinea	PAPUA NIUGINI	PM25	CON01851-16	KX051371	
MNHN-IM-2013-50817	<i>Crassispira cerithina</i>	Papua New Guinea	KAVIENG	KR48	CON01847-16	KX051362	KX051397
MNHN-IM-2013-53412	<i>Crassispira cerithina</i>	Papua New Guinea	KAVIENG	KS31	CON01840-16	KX051355	KX051394

MNHN-IM-2013-54885	<i>Crassispira cerithina</i>	Papua New Guinea	KAVIENG	KR144	CON01843-16	KX051359	KX051396
MNHN-IM-2013-54886	<i>Crassispira cerithina</i>	Papua New Guinea	KAVIENG	KR144	CON01844-16	KX051353	KX051393
MNHN-IM-2007-42588	<i>Crassispira scala</i>	Vanuatu	SANTO 2006	DR85	CON0905-08	KX051337	
MNHN-IM-2013-13937	<i>Crassispira scala</i>	Papua New Guinea	PAPUA NIUGINI	PM27	CON01829-16	KX051373	KX051400
MNHN-IM-2013-15965	<i>Crassispira scala</i>	Papua New Guinea	PAPUA NIUGINI	PR123	CON01834-16	KX051338	
MNHN-IM-2013-2996	<i>Crassispira scala</i>	Papua New Guinea	PAPUA NIUGINI	PM25	CON01850-16	KX051351	
MNHN-IM-2013-47746	<i>Crassispira scala</i>	Papua New Guinea	KAVIENG	KR20	CON01845-16	KX051349	KX051392
MNHN-IM-2013-50802	<i>Crassispira scala</i>	Papua New Guinea	KAVIENG	KD12	CON01846-16	KX051358	
MNHN-IM-2013-51995	<i>Crassispira scala</i>	Papua New Guinea	KAVIENG	KR25	CON01848-16	KX051348	KX051391
MNHN-IM-2013-53442	<i>Crassispira scala</i>	Papua New Guinea	KAVIENG	KR70	CON01841-16	KX051336	
MNHN-IM-2013-53469	<i>Crassispira scala</i>	Papua New Guinea	KAVIENG	KR76	CON01842-16	KX051369	
Outgroups							
MNHN-IM-2007-17755	<i>Crassispira quadrilirata</i>				CON0272-08	EU015707	EU015592
MNHN-IM-2007-17858	<i>Clavus canalicularis</i>				CON0229-08	EU015680	EU015565