

SUPPLEMENTARY MATERIALS

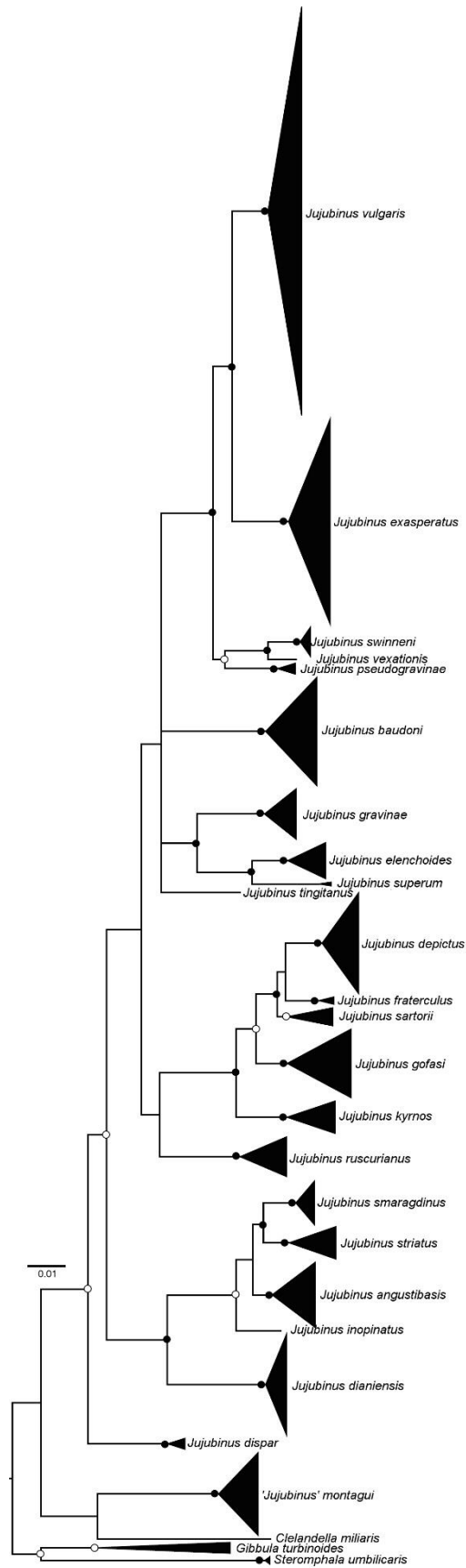


Figure S1. Relationships among species assayed in this study. BI tree based on the *cox1* dataset, collapsed at nodes corresponding to species-level clades. Circles at nodes indicate strong statistical support in BI and ML analyses ($pp > 0.95$ and $ufBoots > 95$; closed circles: supported by both analyses; open circles: supported by one analysis). Support to nodes internal to species-level clades not shown.

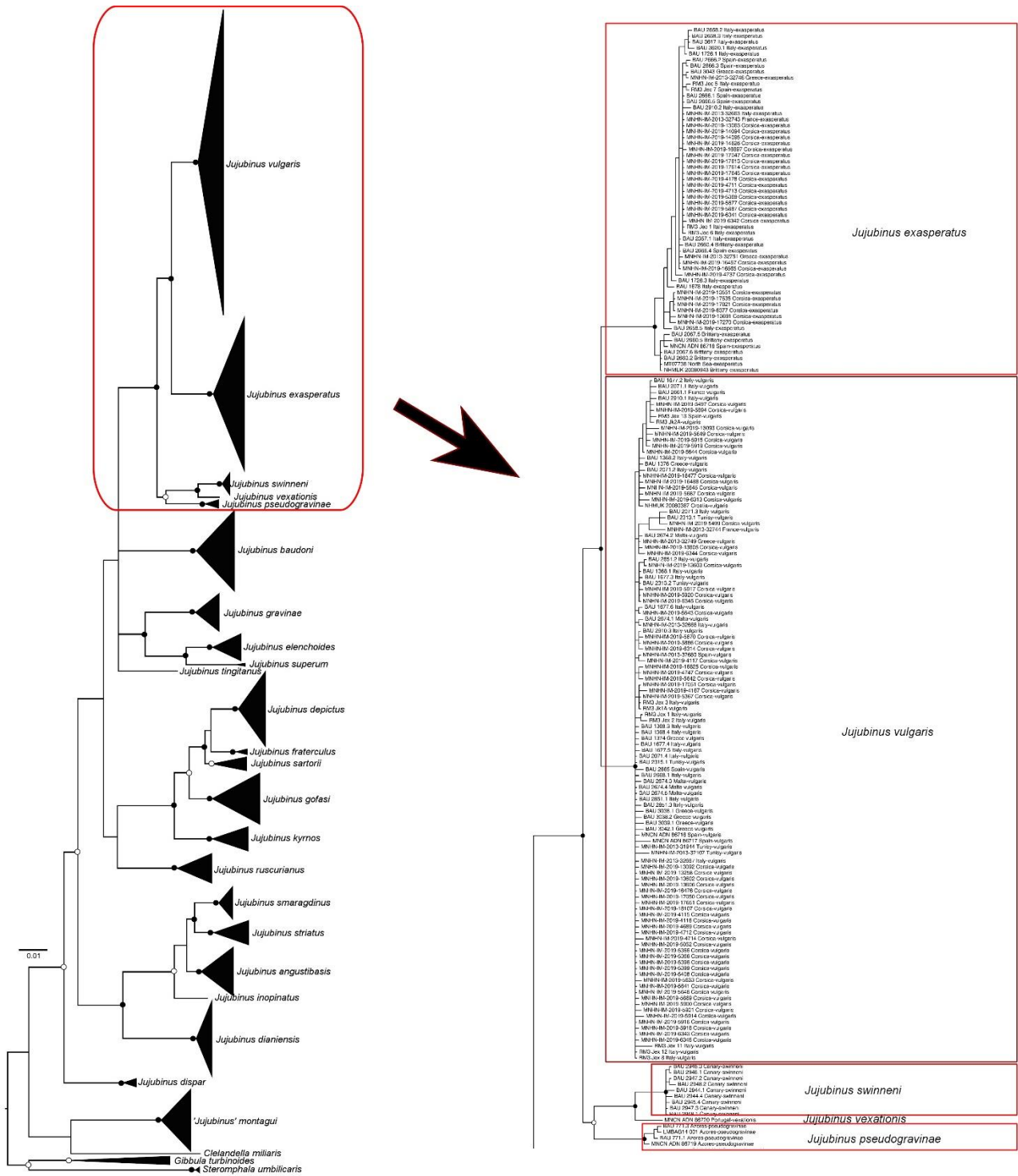


Figure S1-A. Relationships among species assayed in this study, based on the *coxI* dataset. Left: collapsed BI tree (same as in Fig. S1). Right: expanded portion of the tree corresponding to the boxed area. Circles at nodes indicate strong statistical support in BI and ML analyses (pp>0.95 and ufBoots>95; closed circles: supported by both analyses; open circles: supported by one analysis). Support to nodes internal to species-level clades not shown.

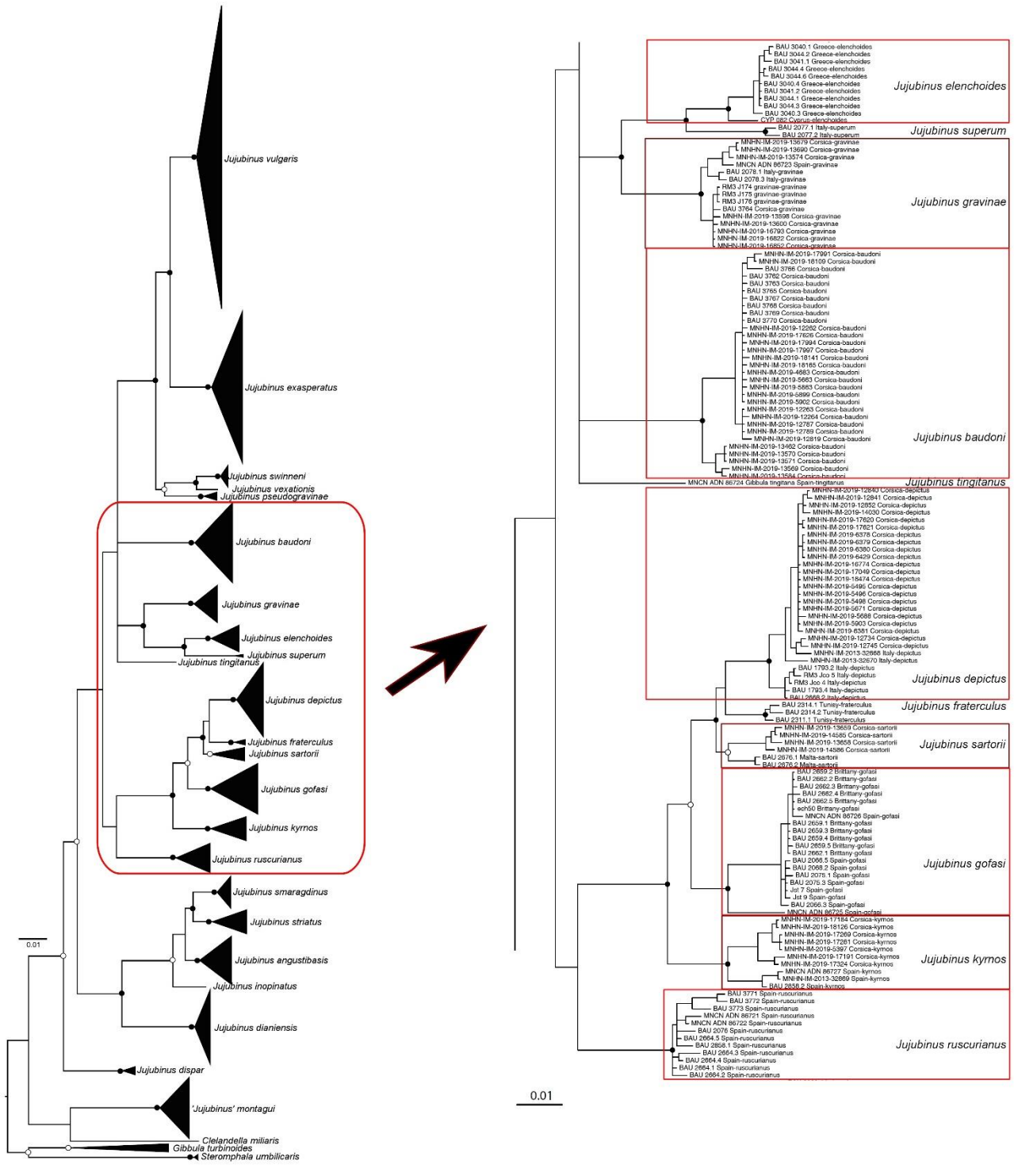


Figure S1-B. Relationships among species assayed in this study, based on the *coxI* dataset. Left: collapsed BI tree (same as in Fig. S1). Right: expanded portion of the tree corresponding to the boxed area. Circles at nodes indicate strong statistical support in BI and ML analyses (pp>0.95 and ufBoots>95; closed circles: supported by both analyses; open circles: supported by one analysis). Support to nodes internal to species-level clades not shown.

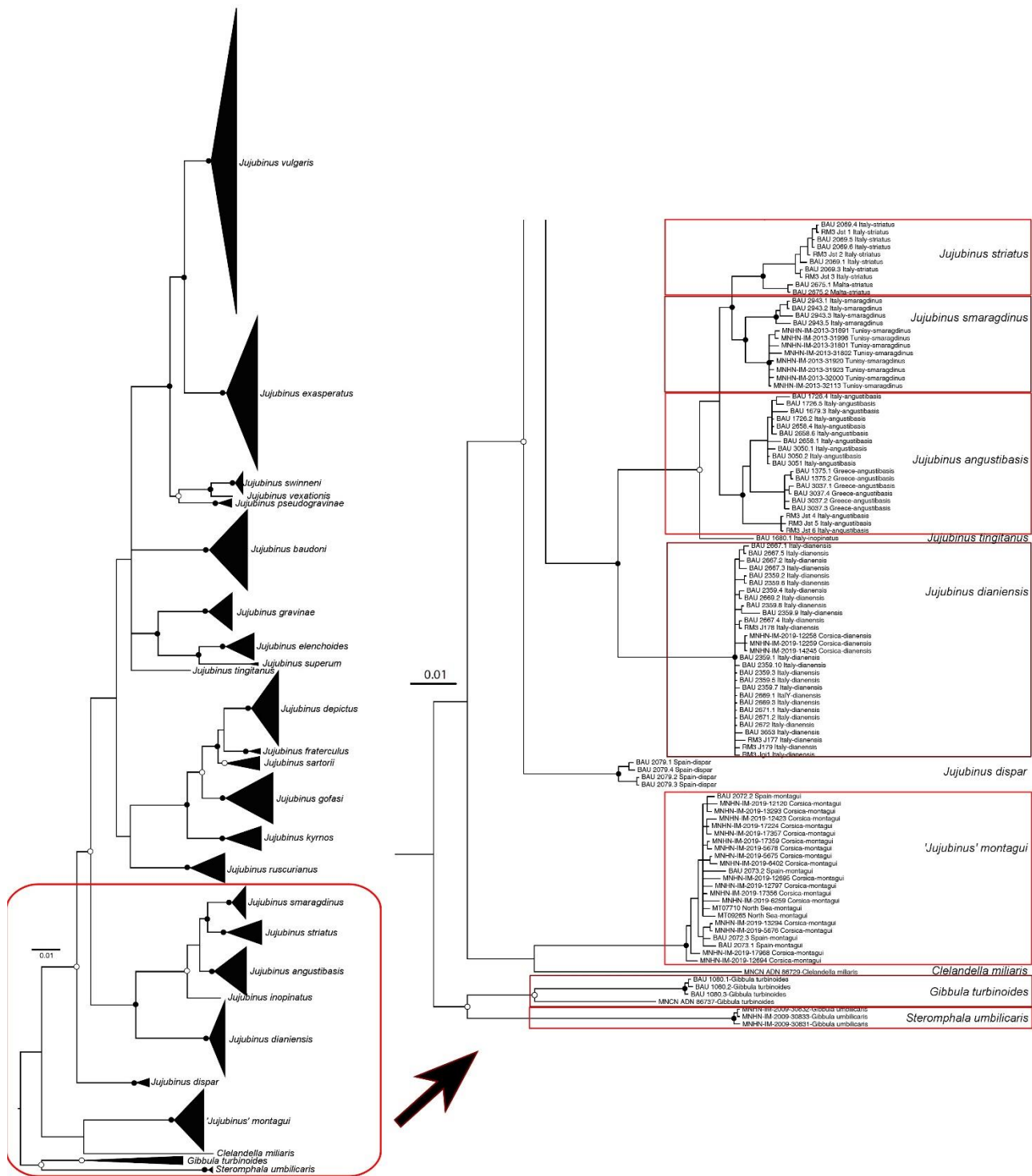


Figure S1-C. Relationships among species assayed in this study, based on the *coxI* dataset. Left: collapsed BI tree (same as in Fig. S1). Right: expanded portion of the tree corresponding to the boxed area. Circles at nodes indicate strong statistical support in BI and ML analyses (pp>0.95 and ufBoots>95; closed circles: supported by both analyses; open circles: supported by one analysis). Support to nodes internal to species-level clades not shown.

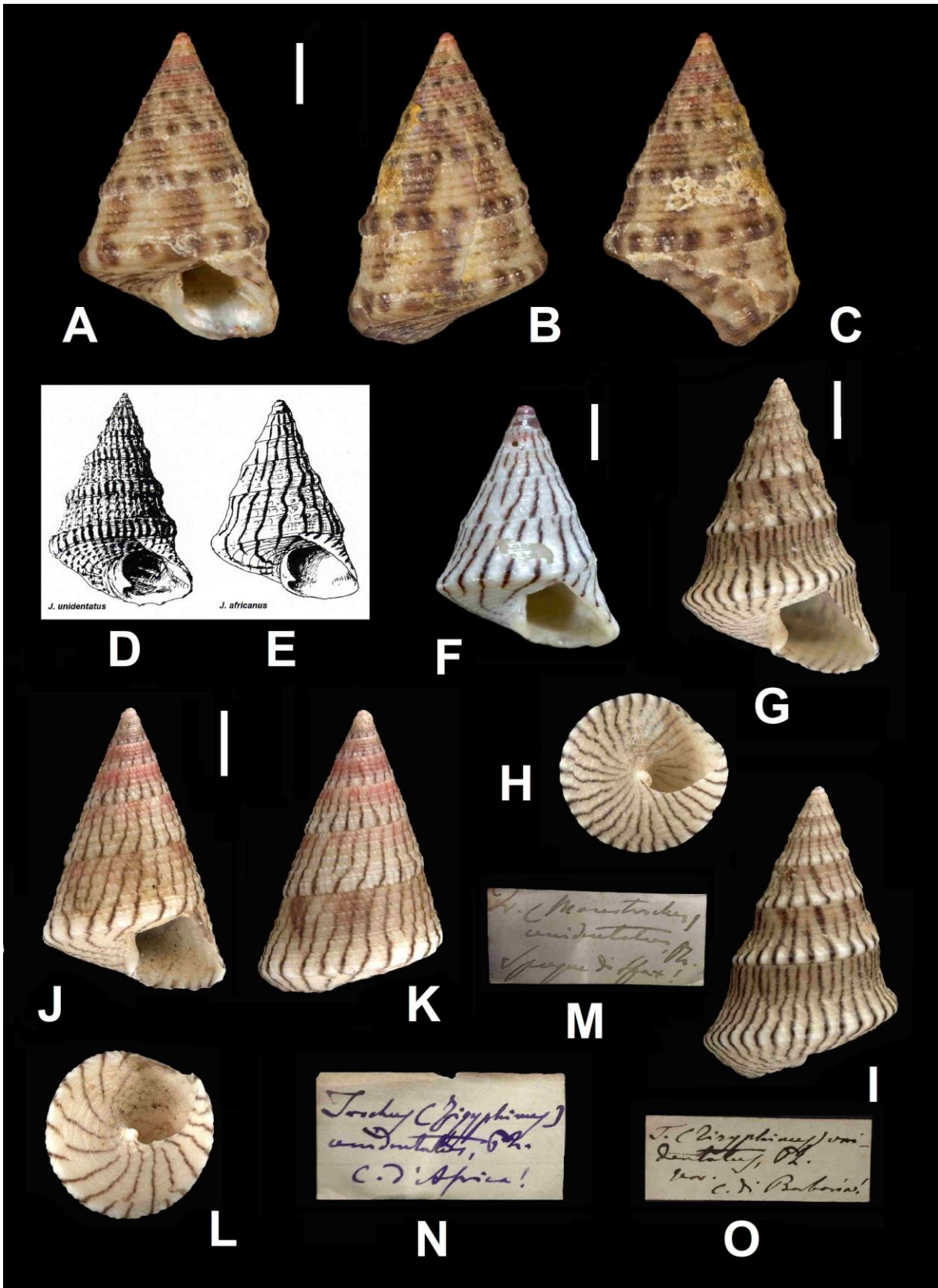


Figure S2. SSH I *Jujubinus vulgaris* (Risso, 1826). A-C. Lectotype of *Trochus vulgaris*. 10.2 (H) X 6.4 (W) mm. Nice (France), MNHN-IM-2000-31374. **D.** *Jujubinus unidentatus*, after Nordsieck (1973: p.10, pl.1, fig. 7). **E.** *Jujubinus africanus*, after Nordsieck (1973: p.10, pl.1, fig. 7). **F.** *Jujubinus africanus*. 9.0 (H) X 6.9 (W) mm. Djerba (Tunisia). Photograph by S. Hof-~~resp. E. Neubert~~, courtesy R. Janssen. SMF 341822. **G-I.** *Trochus unidentatus*. 10.4 (H) X 6.9 (W) mm. Sfax (Tunisia), on sponge. MCZR-M-11729a. **J-L.** *Trochus unidentatus*. 8.4 (H) X 5.6 (W) mm. Sfax (Tunisia), on sponge. MCZR-M-11729b. **M-O.** *Trochus unidentatus*. Original labels by Monterosato. Scale bar 2 mm.

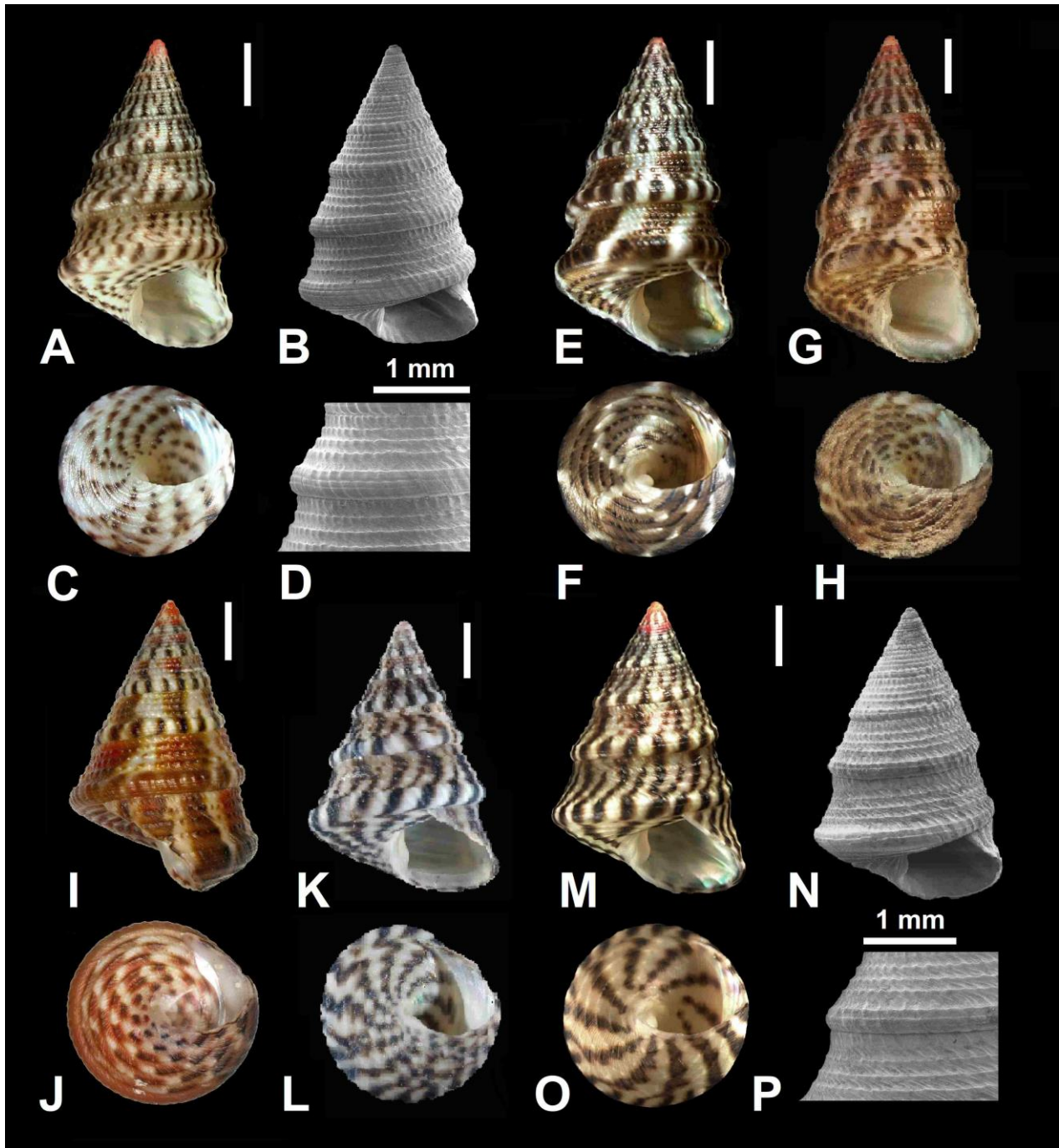


Figure S3 SSH I *Jujubinus vulgaris* (Risso, 1826). A-D. Giannutri Is. ($42^{\circ}15'7.05''\text{N}$ $11^{\circ}05'31.51''\text{E}$), Italy, on *P. oceanica*, 10 m depth. 10.6 (H) X 6.1 (W) mm. CS-PM. E,F. Giannutri Is. ($42^{\circ}15'7.05''\text{N}$ $11^{\circ}05'31.51''\text{E}$), Italy, on *P. oceanica*, 10 m depth. 10.8 (H) X 6.4 (W) mm. CS-PM. G,H. Giannutri Is. ($42^{\circ}15'7.05''\text{N}$ $11^{\circ}05'31.51''\text{E}$), Italy, on *P. oceanica*, 10 m depth. 12.6 (H) X 6.9 (W) mm. BAU1368.1. I,J. La Maddalena Is. ($41^{\circ}15'43.37''\text{N}$ $9^{\circ}25'48.59''\text{E}$), Sardinia, bioclastic sand, 15 m depth. 10.9 (H) X 7.5 (W) mm. CS-PM. K,L. Xwejini Bay ($36^{\circ}04'47.83''\text{N}$ $14^{\circ}14'51.25''\text{E}$), Marsalforn, Gozo Is. (Malta), on *P. oceanica*, 10 m depth. 9.8 (H) X 6.9 (W) mm. BAU2674.4. M-P. Giannutri Is. ($42^{\circ}15'7.05''\text{N}$ $11^{\circ}05'31.51''\text{E}$), Italy, on *P. oceanica*, 10 m depth. 10.6 (H) X 7.3 (W) mm. CS-PM. Scale bar 2 mm, unless otherwise specified.

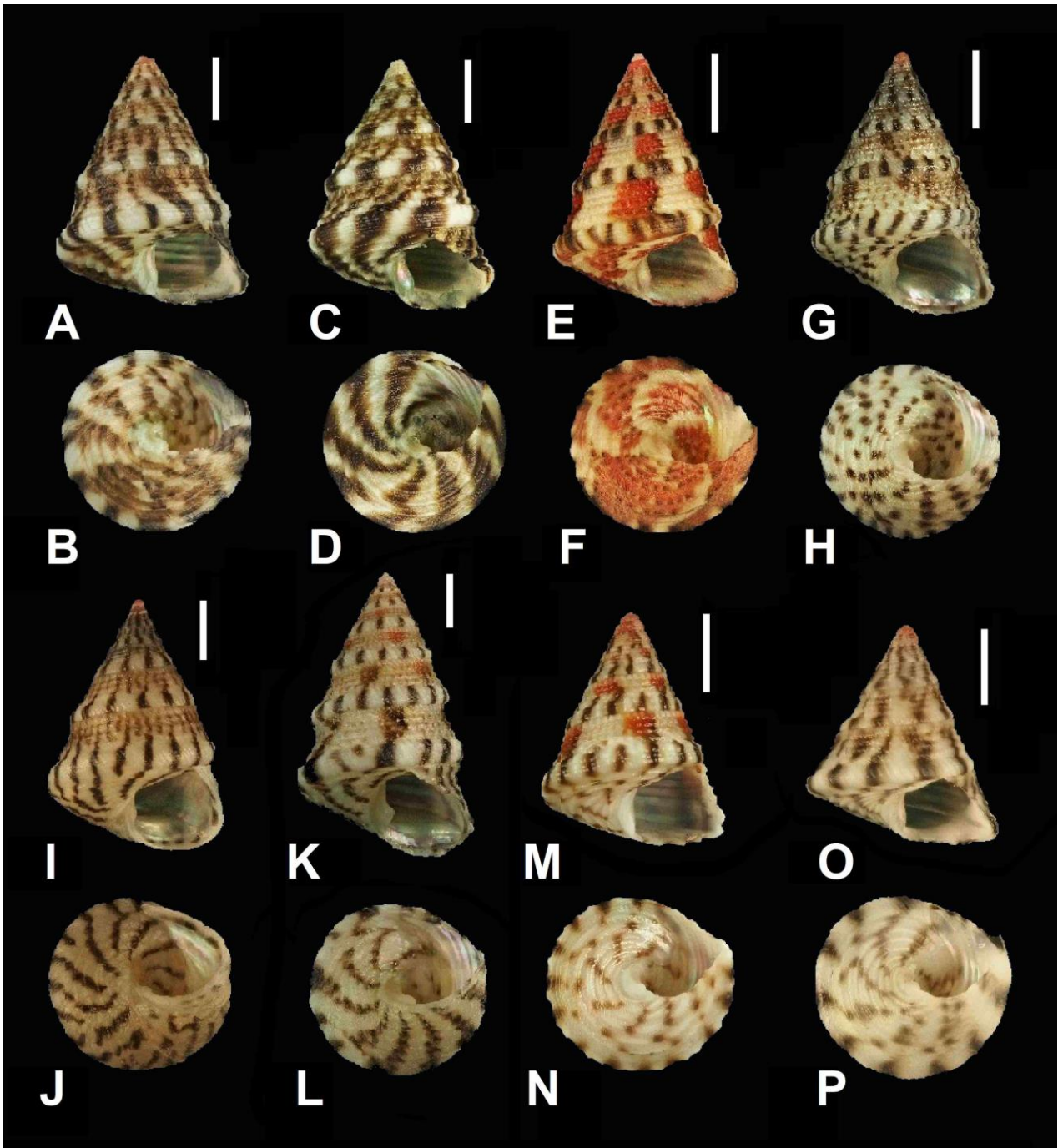


Figure S4 SSH I *Jujubinus vulgaris* (Risso, 1826). A,B Astypalea (Greece). 7.9 (H) X 5.9 (W) mm. BAU1376. C,D. Isola (45,547606 N 13,7035909E) (Slovenja), on *Posidonia oceanica*, 4 m depth. 7.9 (H) X 6.0 (W) mm. BAU2071.1. E,F. San Raphael (France). 9.0 (H) X 6.3 (W) mm. BAU2661.1. G,H. San Raphael (France). 9.7 (H) X 6.9 (W) mm. BAU2674.1. I,J. Astypalea (Greece). 8.8 (H) X 6.5 (W) mm. BAU3038.1. K,L. Xwejni Bay (36°04'47.83''N 14°14'51.25''E), Marsalforn, Gozo Is. (Malta), on *P. oceanica*, 10 m depth. 10.8 (H) X 6.9 (W) mm. BAU2674.5. M,N. Cala Cupa (42°22'06.06"N 10°55'04.95"E), Giglio Is., Italy, on *P. oceanica*, 15 m depth. 5.8 (H) X 4.3 (W) mm. BAU2910.1. O,P. Astypalea (Greece). 5.6 (H) X 4.6 (W) mm. BAU3038.2.

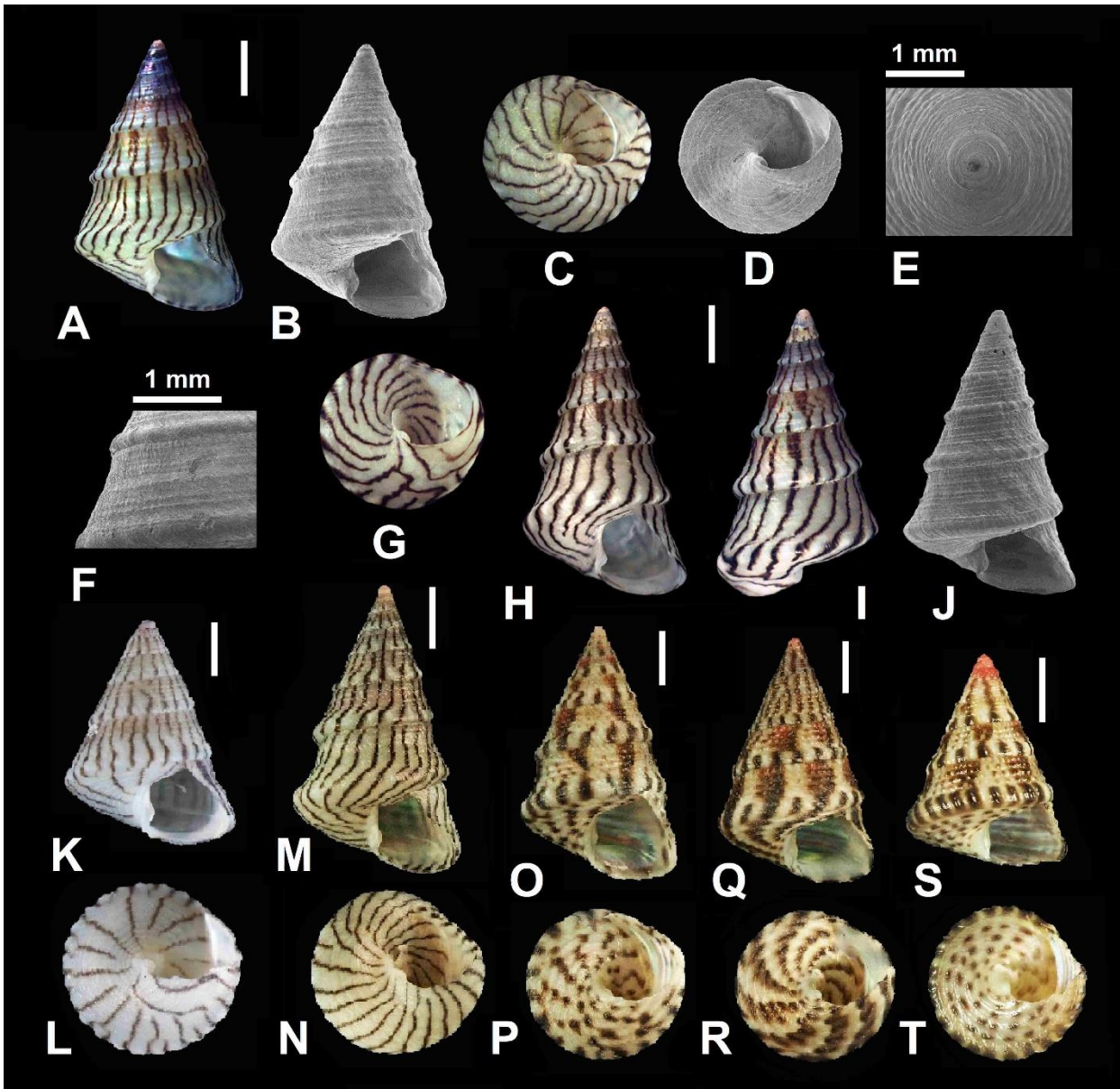


Figure S5 SSH I *Jujubinus vulgaris* (Risso, 1826). A-F. Alataya Is. (34°45'37.53''N 11°19'34.03''E), Kerkennah (Tunisia). On *P. oceanica*, 3 m depth. 9.6 (H) X 6.0 (W) mm. CS-PM. G-J. Alataya Is. (34°45'37.53''N 11°19'34.03''E), Kerkennah (Tunisia). On *P. oceanica*, 3 m depth. 9.7 (H) X 5.4 (W) mm. CS-PM. K,L. Gharbyls, Sidi Youssef, Kerkennah (Tunisia). Beached. 9.1 (H) X 5.3 (W) mm. CS-PM. M,N. Morphotype *unidentatus*. Alataya Is. (34°45'37.53''N 11°19'34.03''E), Kerkenna. (Tunisia). On *P. oceanica*, 3 m depth. 6.1 (H) X 4.7 (W) mm. BAU2315.1. O,P. Xwejni Bay (36°04'48.62''N 14°14'50.80''E), Gozo Is., (Malta). On *P. oceanica*, 10 m depth. 9.8 (H) X 6.9 (W) mm. BAU2674.3. Q,R. Cala Cupa (42°22'06.06''N 10°55'04.95''E), Giglio Is., Tuscany (Italy). On *P. oceanica*, 15 m depth. 10.1 (H) X 6.7 (W) mm. BAU2851.2. S,T. Giannutri Is. (42°15'07.05''N 11°05'31.51''E), Tuscany (Italy). On *P. oceanica*, 15 m depth. 6.7 (H) X 5.0 (W) mm. BAU2668.1. Scale bar 2 mm, unless otherwise specified.

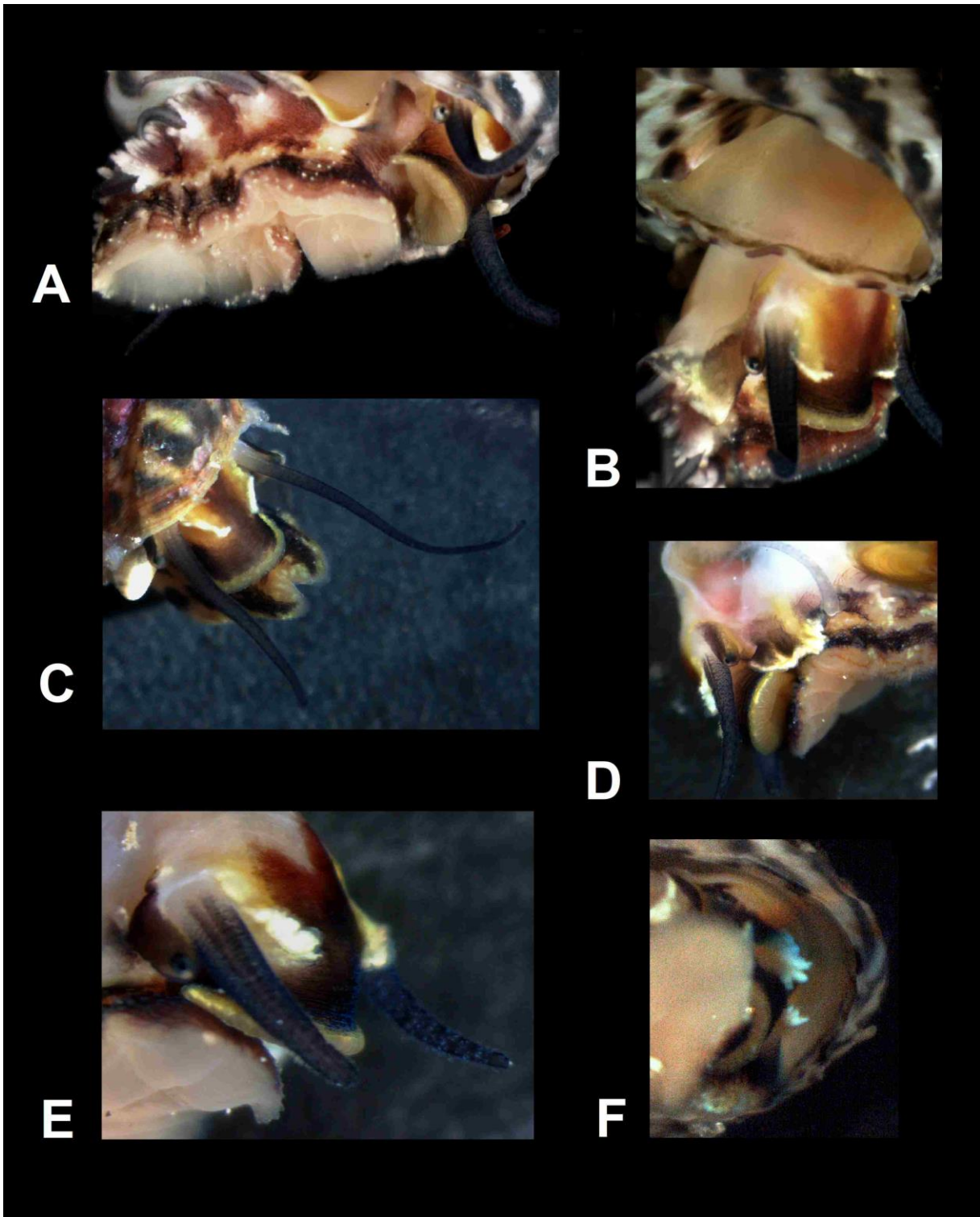


Figure S6 SSH I *Jujubinus vulgaris* (Risso, 1826). *Jujubinus vulgaris*. Giannutri Is. (42°15'07.05"N 11°05'31.51"E), Tuscany (Italy). On *P. oceanica*, 15 m depth. CS-PM. A-F. Same specimen of Fig. S1M-P. Giannutri Is. (42°15'7.05"N 11°05'31.51"E), Italy, on *P. oceanica*, 10 m depth. CS-PM.

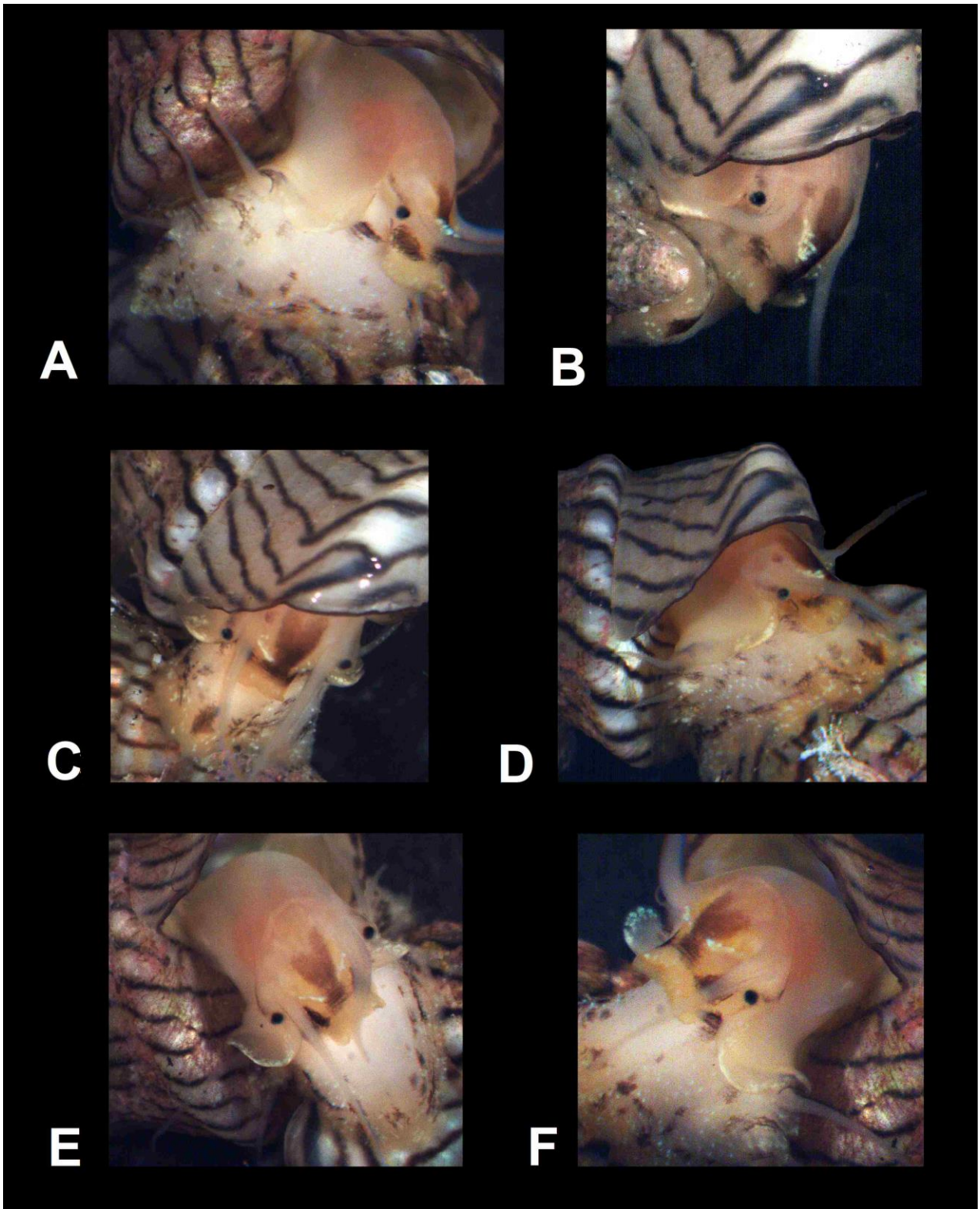


Figure S7 SSH 1 *Jujubinus vulgaris* (Risso, 1826). Morphotype *unidentatus*. Alataya Is. (34°45'37.53''N 11°19'34.03''E), Kerkennah (Tunisia). On *P. oceanica*, 3 m depth. CS-PM. A-F. Same specimen of Fig. S4A-F. Alataya Is. (34°45'37.53''N 11°19'34.03''E), Kerkennah (Tunisia). On *P. oceanica*, 3 m depth. CS-PM.

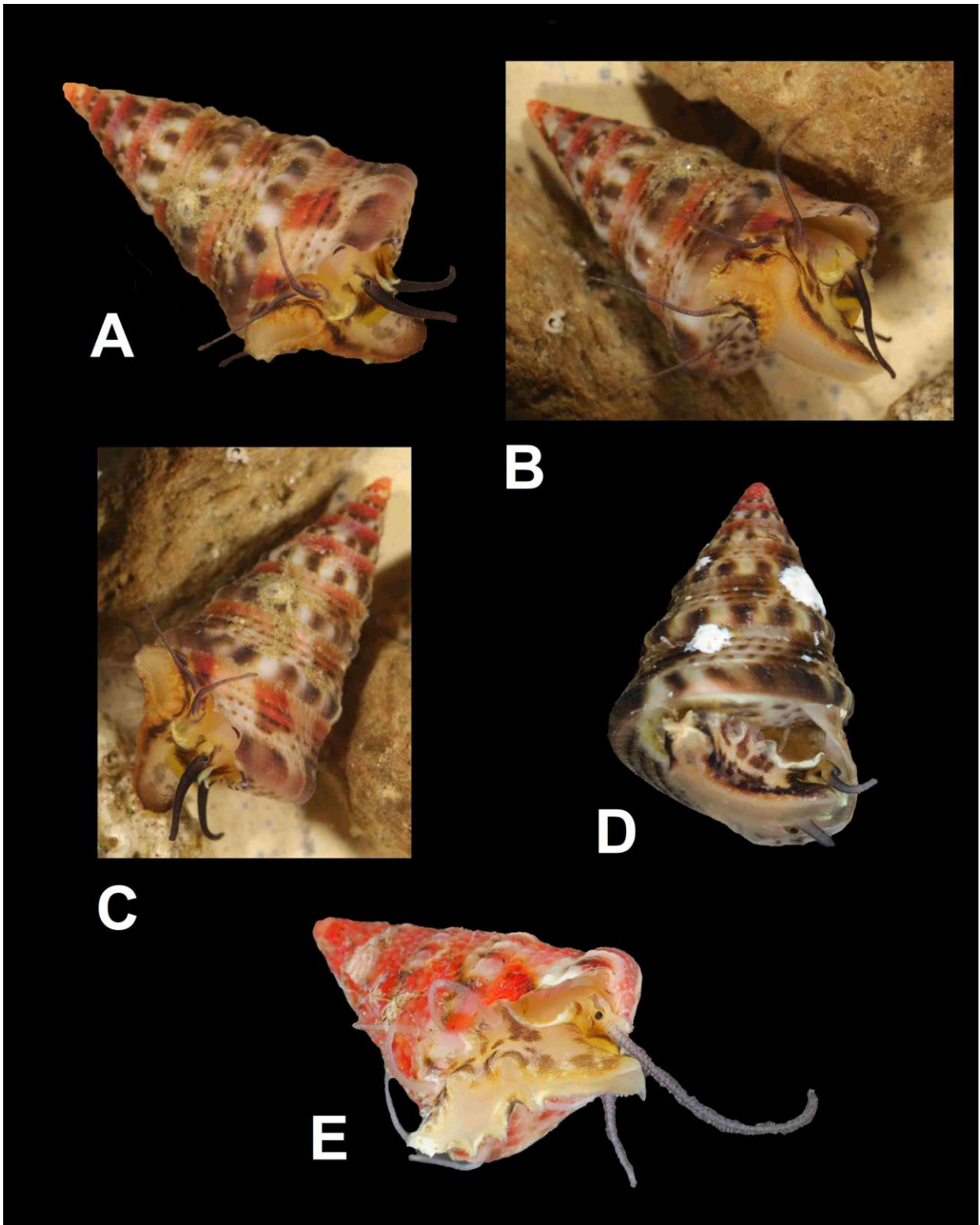


Figure S8 SSH I *Jujubinus vulgaris* (Risso, 1826). A-C. MNHN-IM-2019-5633. Corsica, North Bastia (42°44,4'N, 09°28,1'E), Station CD19, 20 m, dredge. D. MNHN-IM-2019-13093. Corsica, Punta di U Capicciolu (41°25,8'N, 09°15,8'E), Station CB12, 5–10 m, dredge. E. MNHN-IM-2019-5368. Corsica: La Louise (42°41,4'N, 09°27,2'E), Station CS10, 18–19 m, air pump.

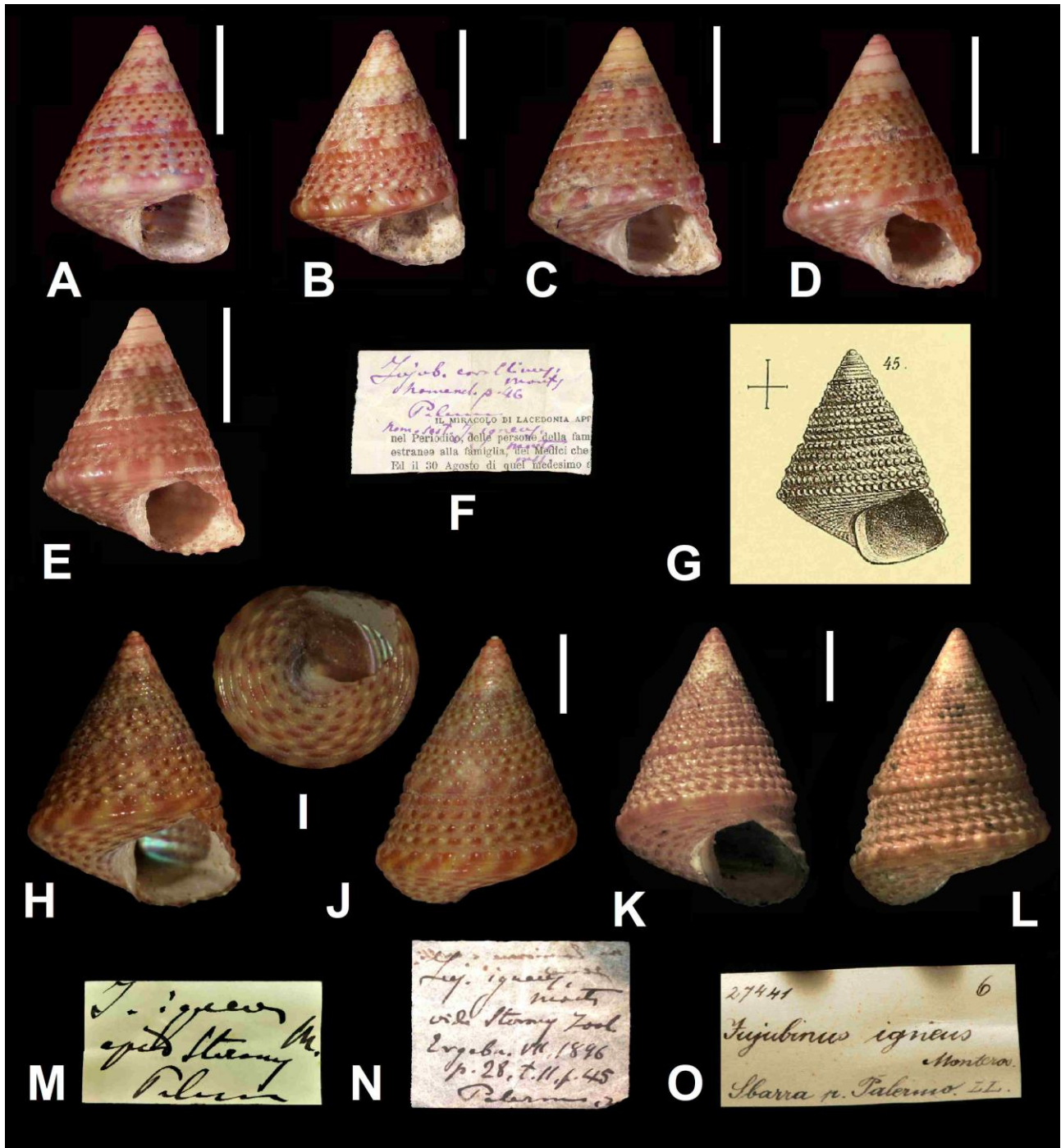


Figure S9 SSH II *Jujubinus exasperatus* (Pennant, 1777). **A.** Palermo (Sicily). 5.6 (H) X 4.2 (W) mm. NMW.1910. 29. 02042. **B.** Palermo (Sicily). 5.5 (H) X 4.0 (W) mm. NMW.1910. 29. 02042. **C.** Palermo (Sicily). 5.6 (H) X 4.3 (W) mm. NMW.1910. 29. 02042. **D.** Palermo (Sicily). 5.5 (H) X 4.2 (W) mm. NMW.1910. 29. 02042. **E.** Palermo (Sicily). 5.2 (H) X 4.2 (W) mm. NMW.1910. 29. 02042. **F.** Monterosato's original label. **G.** *Jujubinus igneus*. After Sturany (1896). **H-J.** *Jujubinus igneus*. syntype (Monterosato coll.). Palermo (Sicily). 6.9 (H) X 5.3 (W) mm. NHMW 27441b. **K,L.** *Jujubinus igneus*. syntype (Monterosato coll.). Palermo (Sicily). 7.7 (H) X 5.6 (W) mm. NHMW 27441a. **M,N** *Jujubinus igneus*. Monterosato's original labels. **O.** *Jujubinus igneus*. Original label of lot 27441. Scale bar 2 mm.

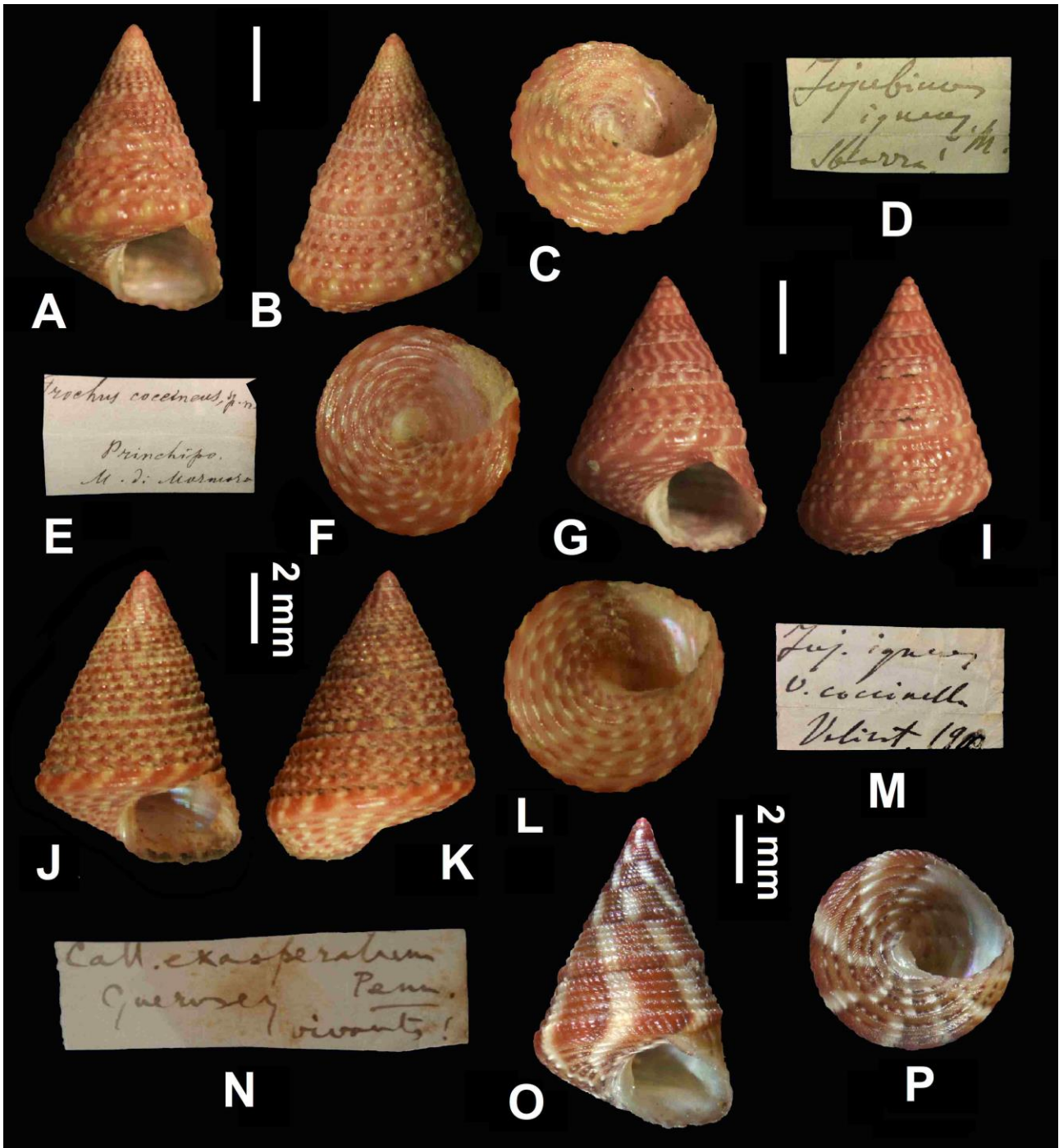


Figure S10 SSH II *Jujubinus exasperatus* (Pennant, 1777). A-C. *Jujubinus igneus*. MCZR (Monterosato coll.). 7.4 (H) X 5.4 (W) mm. Sbarra, Palermo (Italy). D. *Jujubinus igneus* v. *coccineus*. Monterosato's original label. E. *Trochus coccineus*. Monterosato's original label. F-I. *Trochus coccineus*. MCZR-M-11731 (Monterosato coll.). 7.5 (H) X 5.4 (W) mm. Princhipo, Marmara Sea (Turkey). J-L. *Jujubinus igneus* v. *coccinella*. MCZR-M-11723 (Monterosato coll.). 8.8 (H) X 6.1 (W). Velirat (Croatia). M. *Jujubinus igneus* v. *coccinella*. Monterosato's original label N. *Calliostoma exasperatum*. Monterosato's original label. O,P. *Jujubinus exasperatum*. MCZR-M-11718 (Monterosato coll.). 9.4 (H) X 6.2 (W) mm. Guernsey Is. (England). Scale bar 2 mm.

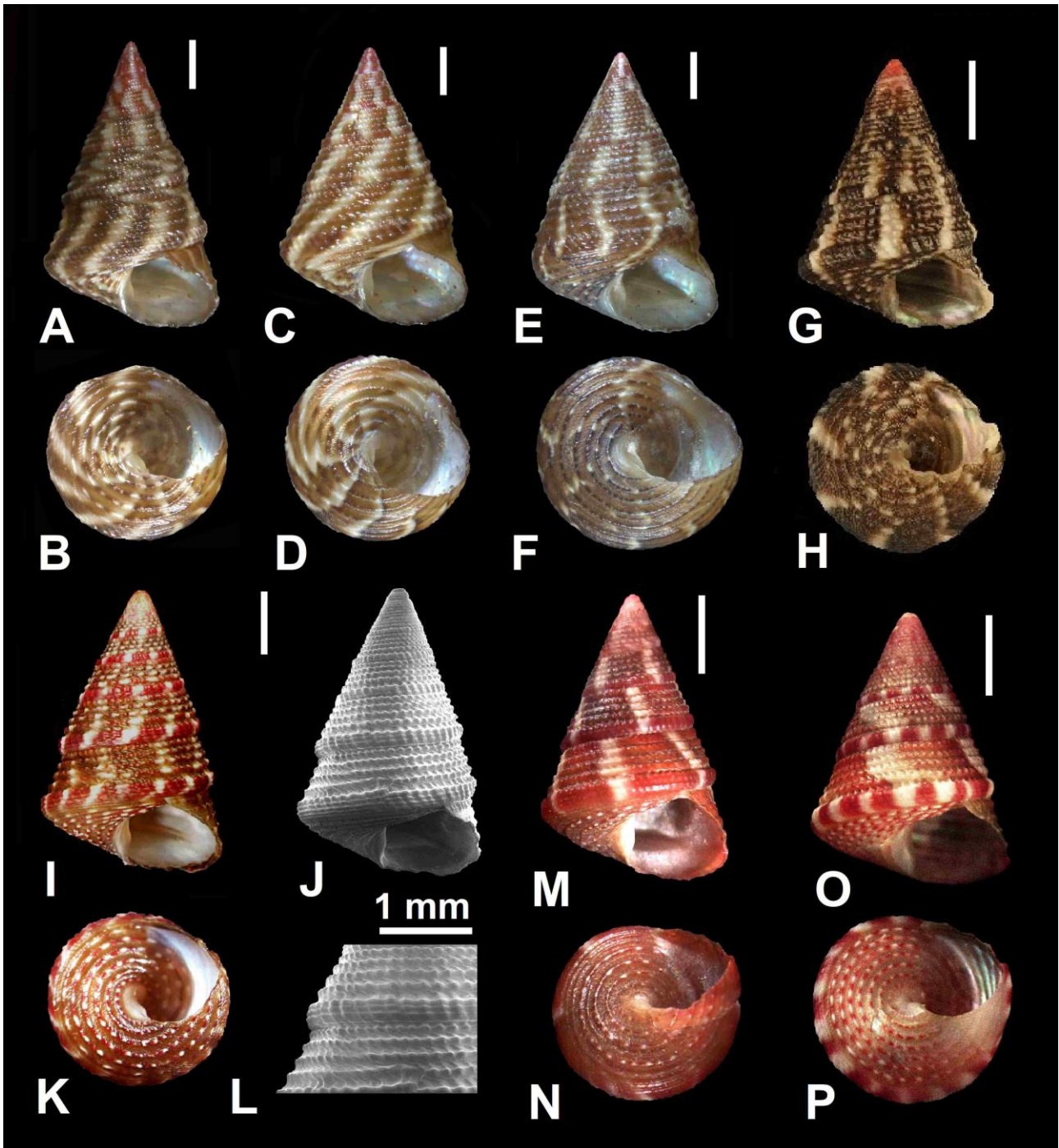


Figure S11 SSH II *Jujubinus exasperatus* (Pennant, 1777). A,B. *Jujubinus exasperatus*. MCZR-M-11718 (Monterosato coll.). 12.0 (H) X 7.5 (W) mm. Guernsey Is. (England). C,D. *Jujubinus exasperatus*. MCZR-M-11718 (Monterosato coll.). 11.8 (H) X 7.8 (W) mm. Guernsey Is. (England). E,F. *Jujubinus exasperatus*. MCZR-M-11718 (Monterosato coll.). 12.2 (H) X 8.2 (W) mm. Guernsey Is. (England). G,H. *Jujubinus exasperatus*. BAU2658.3. 6.9 (H) X 4.9 (W) mm. Punta Prosciutto, Porto Cesareo, Apulia (Italy). I-L. *Jujubinus exasperatus*. CS-PM. 9.8 (H) X 5.5 (W) mm. Giannutri Is. (42°15'07.05"N 11°05'31.51"E), Tuscany (Italy). On *P. oceanica*, 20 m depth. M,N. *Jujubinus exasperatus*. CS-PM. 6.7 (H) X 4.8 (W) mm. Torre Valdaliga (42°08'48.28"N 11°44'03.44"E), Latium (Italy). On debris, 25 m depth. O,P. *Jujubinus exasperatus*. CS-PM. 6.6 (H) X 5.2 (W) mm. Secche di Tor Paterno (41°36'27.01"N 12°20'49.97"E), Latium (Italy). On *P. oceanica*, 25 m depth. Scale bar 2 mm, unless otherwise specified.

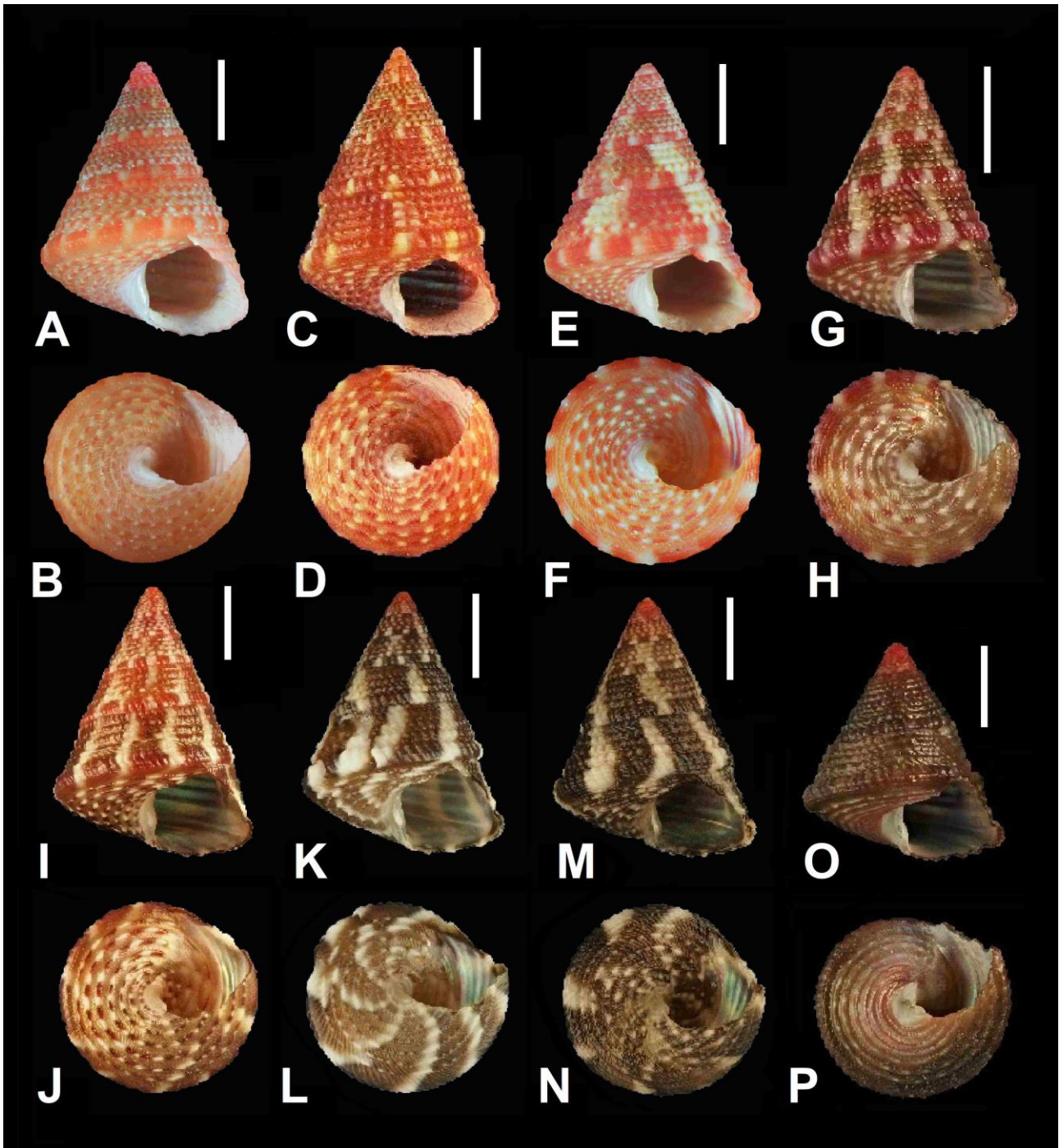


Figure S12 SSH II *Jujubinus exasperatus* (Pennant, 1777). A,B. *Jujubinus exasperatus*. BAU2666.1. 6.6 (H) X 5.1 (W) mm. Torre de Calahonda, Marbella, Malaga (Spain). C,D. *Jujubinus exasperatus*. BAU2357.1. 7.9 (H) X 5.1 (W) mm. Scilla, Calabria (Italy). E,F. *Jujubinus exasperatus*. BAU2666.5. 6.8 (H) X 5.5 (W) mm. Torre de Calahonda, Marbella. Malaga (Spain). G,H. *Jujubinus exasperatus*. BAU2910.2. 5.1 (H) X 3.9 (W) mm. Cala Cupa, Giglio Is., Tuscany (Italy). On *P. oceanica*, 20 m depth. I,J. *Jujubinus exasperatus*. BAU3043. 7.3 (H) X 5.4 (W) mm. Steno (Greece). K,L. *Jujubinus exasperatus*. BAU1726.3. 6.1 (H) X 5.0 (W) mm. Torre Colimena, Apulia (Italy). M,N. *Jujubinus exasperatus*. BAU2658.2. 6.3 (H) X 4.6 (W) mm. Punta Prosciutto, Porto Cesareo, Apulia (Italy). O,P. *Jujubinus exasperatus*. BAU2067.5. 6.0 (H) X 5.2 (W) mm. Bretagne (France). Scale bar 2 mm.

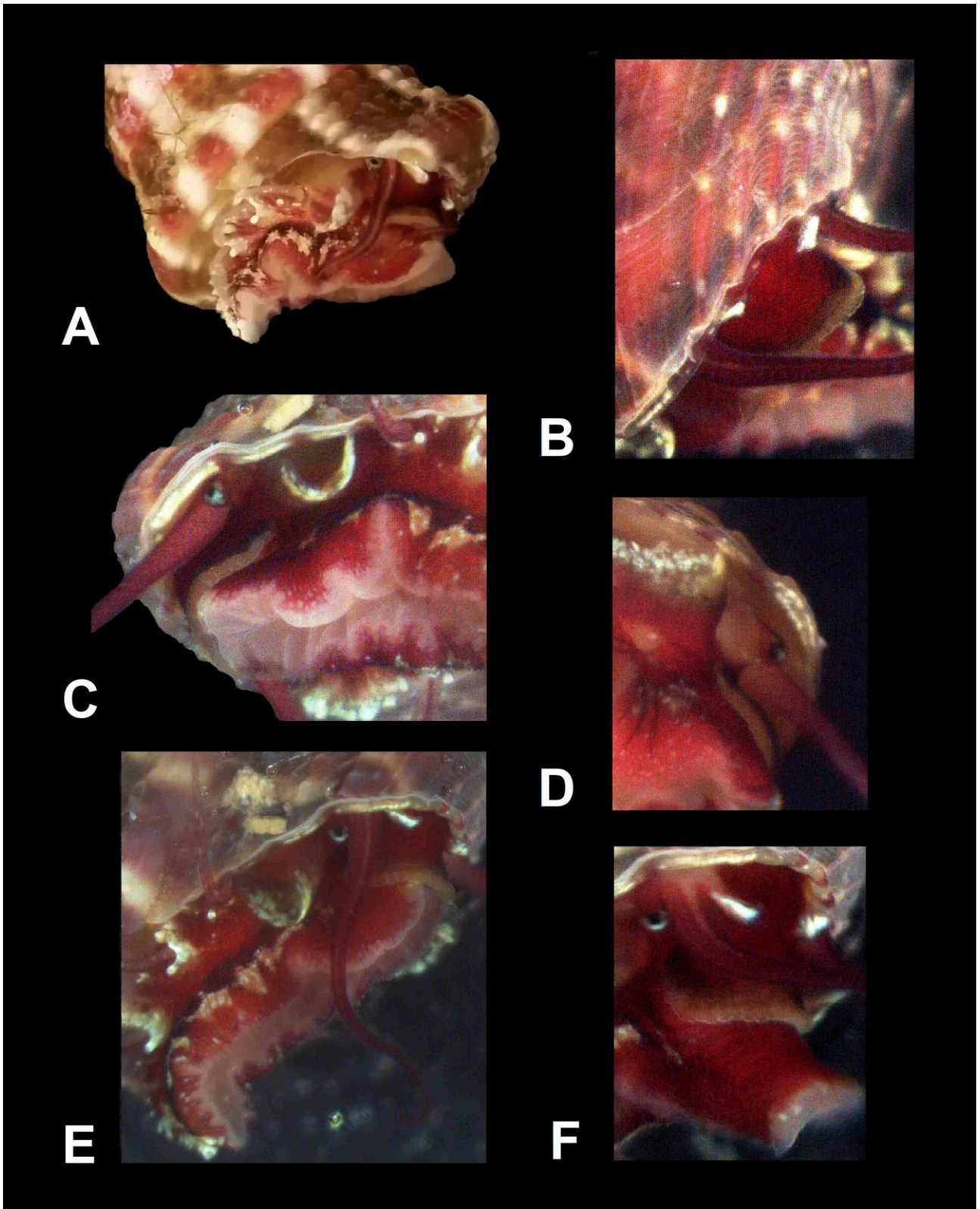


Figure S13 SSH II *Jujubinus exasperatus* (Pennant, 1777). A-F. *Jujubinus exasperatus*. CS-PM. Giannutri Is. (42°15'07.05"N 11°05'31.51"E, Tuscany (Italy)). On *P. oceanica*, 15 m depth. Ex 1: 7.9 (H) X 5.3 (W) mm.

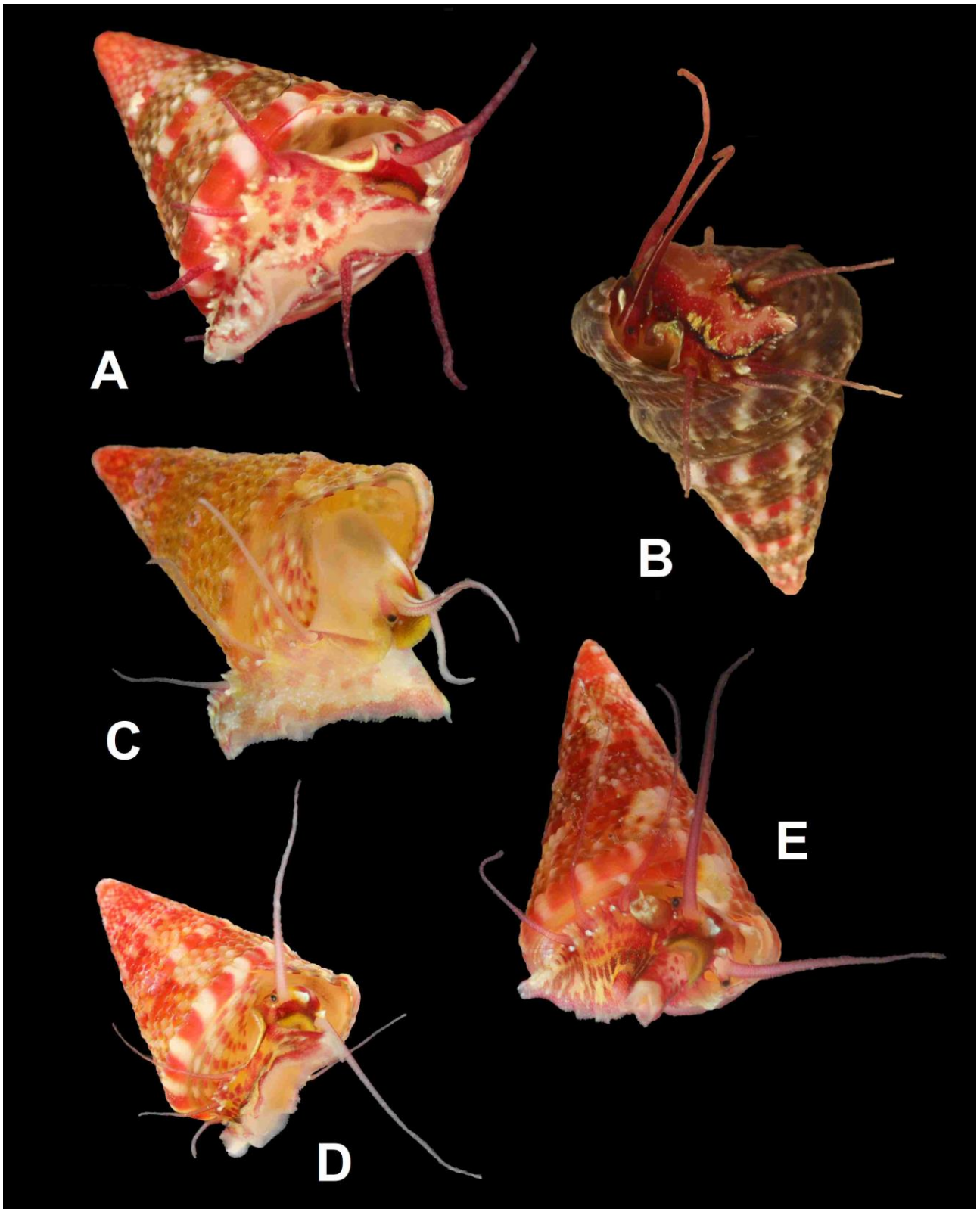


Figure S14 *Jujubinus exasperatus*. **A.** MNHN-IM-2019-4178. Corsica (42°45,2'N, 09°28,4'E), Station CD100, 23 m, dredge. **B.** MNHN-IM-2019-5051. Corsica, North Bastia (42°44,4'N, 09°28,1'E), Station CD19, 20 m, dredge. **C.** MNHN-IM-2019-17614. Corsica, Punta Palazzu (42°22,8'N, 08°33,2'E) Station CS85, 50 m, air pump. **D.** MNHN-IM-2019-17613. Corsica, Punta Palazzu (42°22,8'N, 08°33,2'E) Station CS85, 50 m, air pump. **E.** MNHN-IM-16897. Corsica, South of Cargèse (42°07,2'N, 08°35,4'E), Station CD131, 45–48 m, dredge.

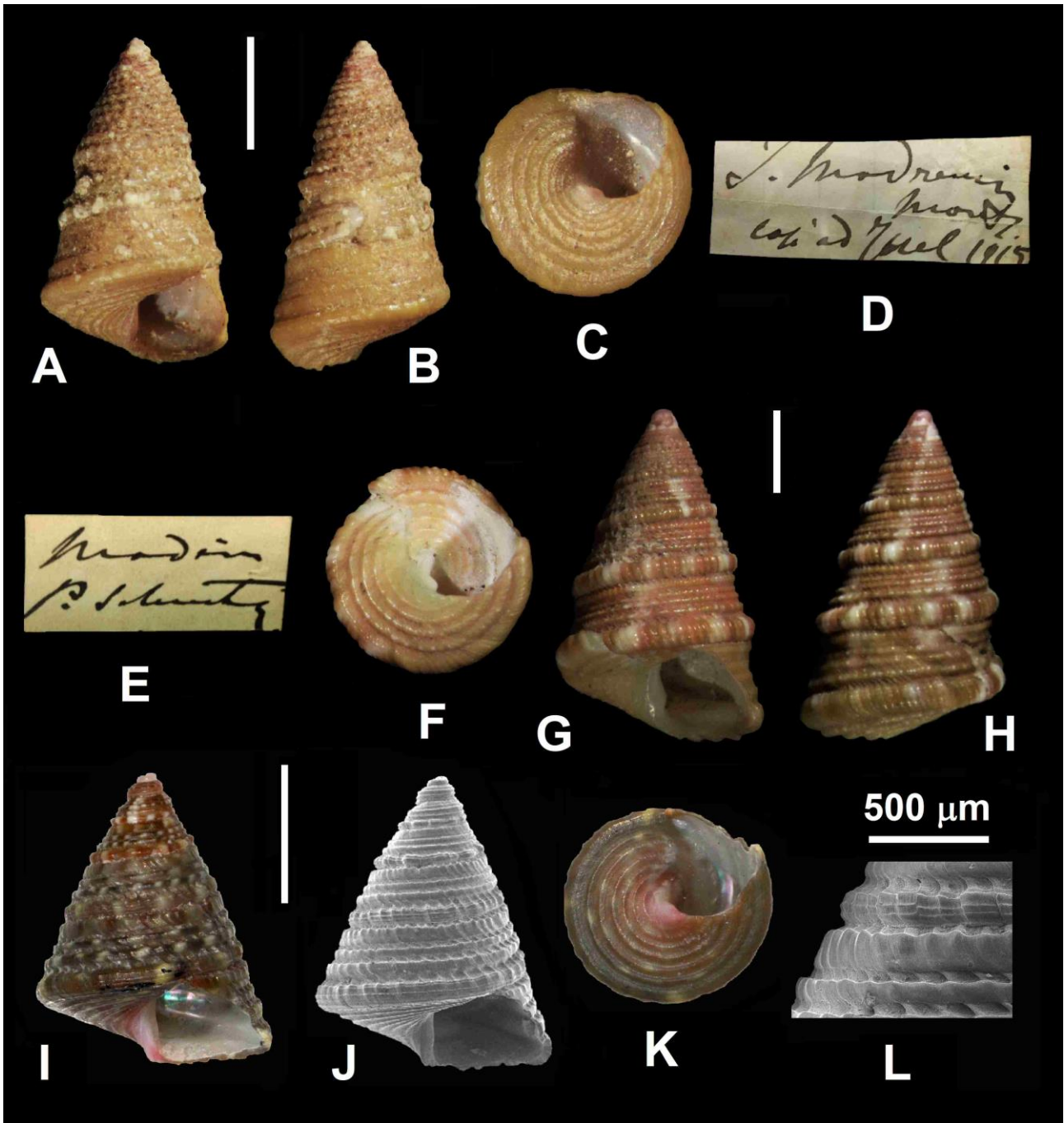


Figure S15. SSH III *Jujubinus pseudogravinae* Nordsieck, 1973. A-C. *Jujubinus madrensis*. MCZR-M-E12/20. 6.0 (H) X 3.7 (W) mm. Madeira (Portugal). D,E. *Jujubinus madrensis*. Monterosato's original labels. F-H. *Jujubinus madrensis*. MCZR-M-E12/20. 8.4 (H) X 5.2 (W) mm. Madeira (Portugal). I-L. *Jujubinus pseudogravinae*. CS-PM. 4.5 (H) X 3.0 (W) mm. Cais da Ribeirinha, S. Miguel Is., Azores (Portugal). On stones, 10 m depth. (Permission of Biodiversity). Scale bar 2 mm, unless otherwise specified.

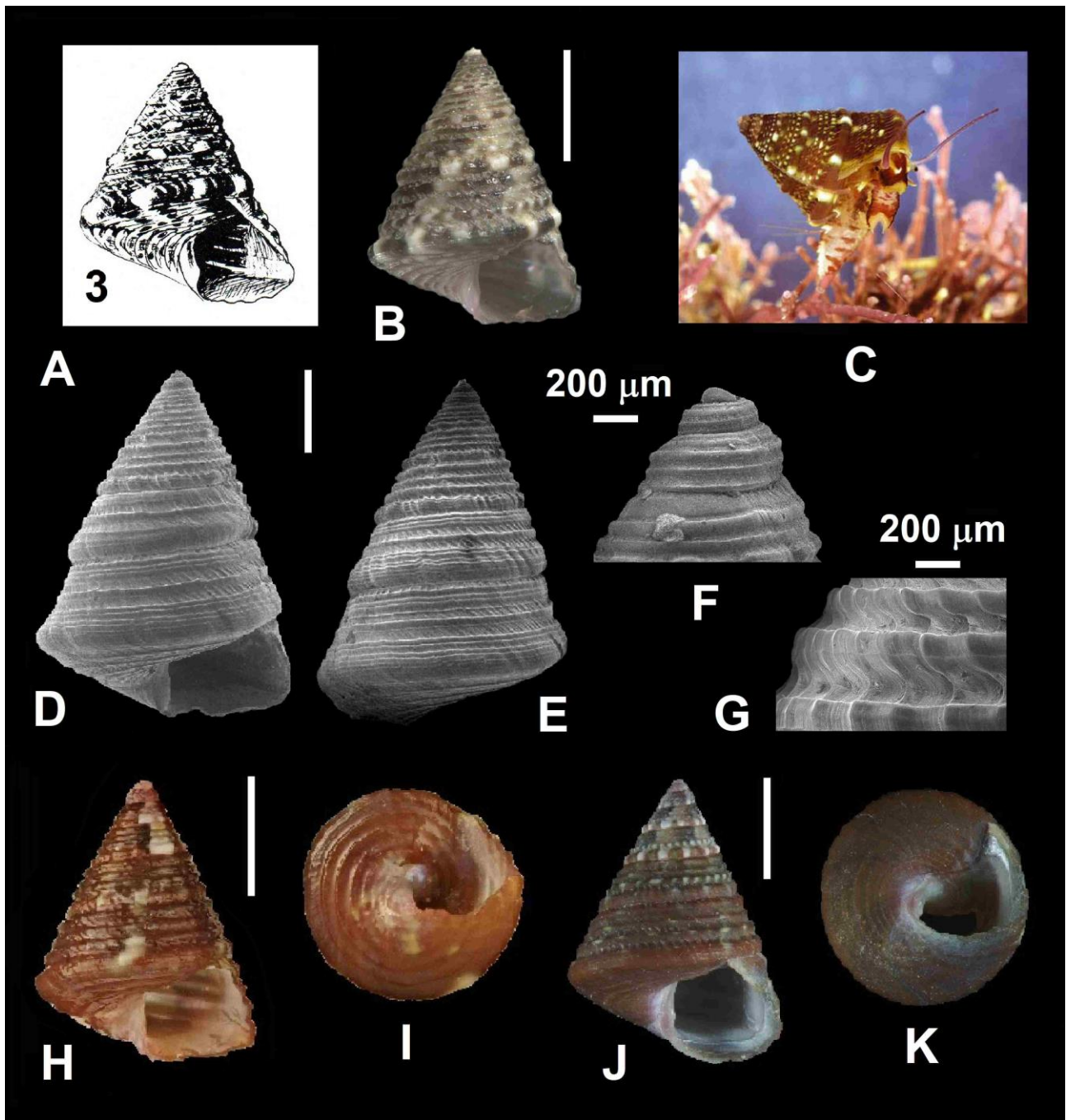


Figure S16. SSH III *Jujubinus pseudogravinae* Nordsieck, 1973. **A.** *Jujubinus pseudogravinae*, after Nordsieck (1973: fig.3). **B.** *Jujubinus pseudogravinae*. Syntype, SMF 341875. 5.0 (H) X 3.9 (W) mm. Ponta Delgado, Azores (Portugal). Photograph by S. Hof resp., E. Neubert, courtesy R. Janssen, Malacology, SMF. **C.** *Jujubinus pseudogravinae*. Living animal. (Permission of Gloriamaris). **D-G.** *Jujubinus pseudogravinae*. CS-PM. 6.9 (H) X 4.8 (W) mm. Cais da Ribeirinha, S. Miguel Is., Azores (Portugal). On stones, 10 m depth. (Permission of Biodiversity). **H,I.** *Jujubinus pseudogravinae*. BAU 771.1. 4.6 (H) X 3.5 (W) mm, Azores (Portugal). **J,K.** *Jujubinus pseudogravinae*. BAU 771.3. 5.8 (H) X 4.4 (W) mm, Azores (Portugal). Scale bar 2 mm, unless otherwise specified.

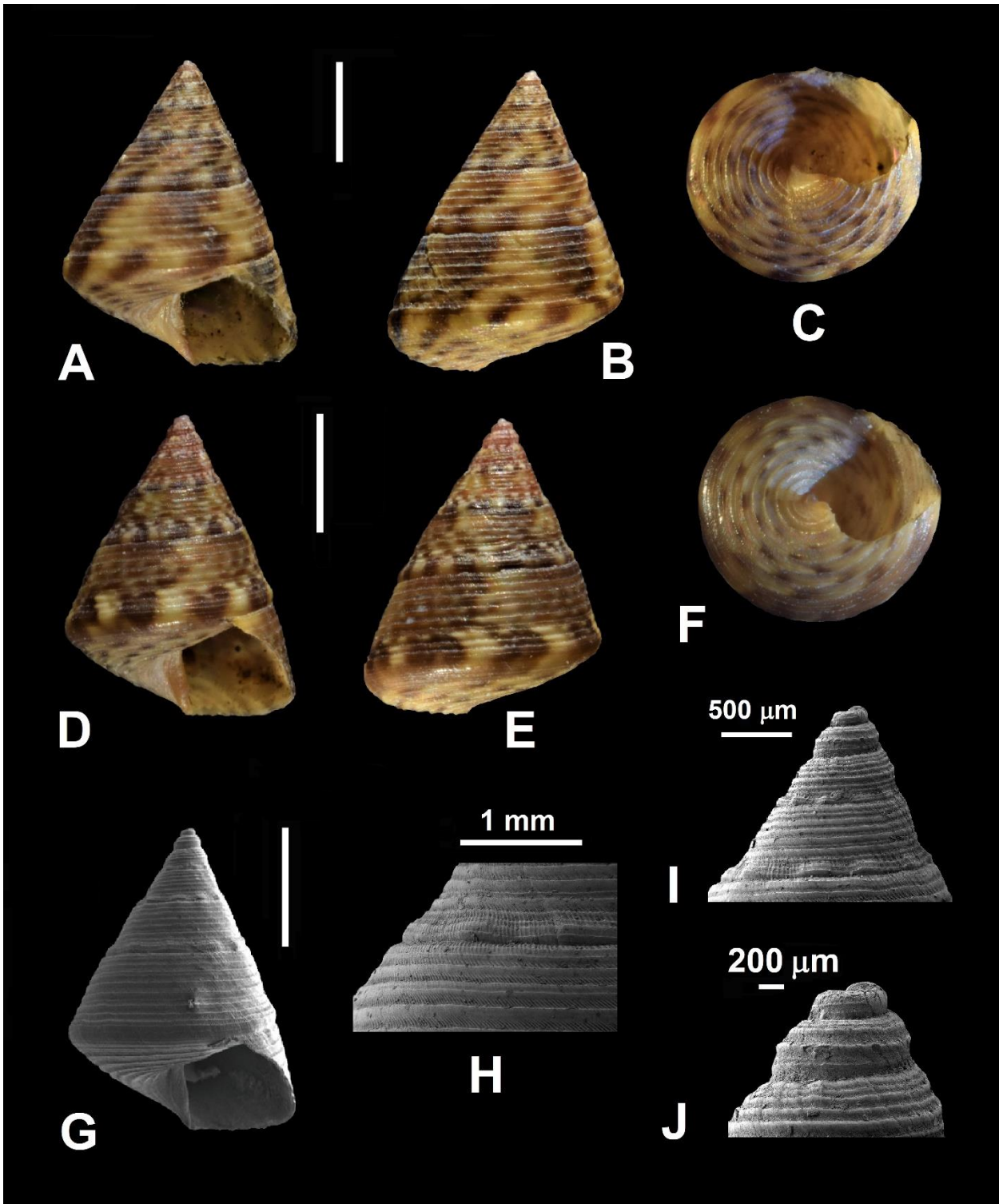


Figure S17. SSH IV *Jujubinus vexationis* Curini-Galletti, 1990. A-C. *Jujubinus vexationis*. MCZR-M-TYPE-00018/P, paratype A, 6.2 (H) X 5.2 (W) mm. Porto Moniz, Madeira Island (Portugal). D-J. *Jujubinus vexationis*. MCZR-M-TYPE-00018/P, paratype E, 5.0 (H) X 4.3 (W) mm. Porto Moniz, Madeira Island (Portugal). Scale bar 2 mm, unless otherwise specified.

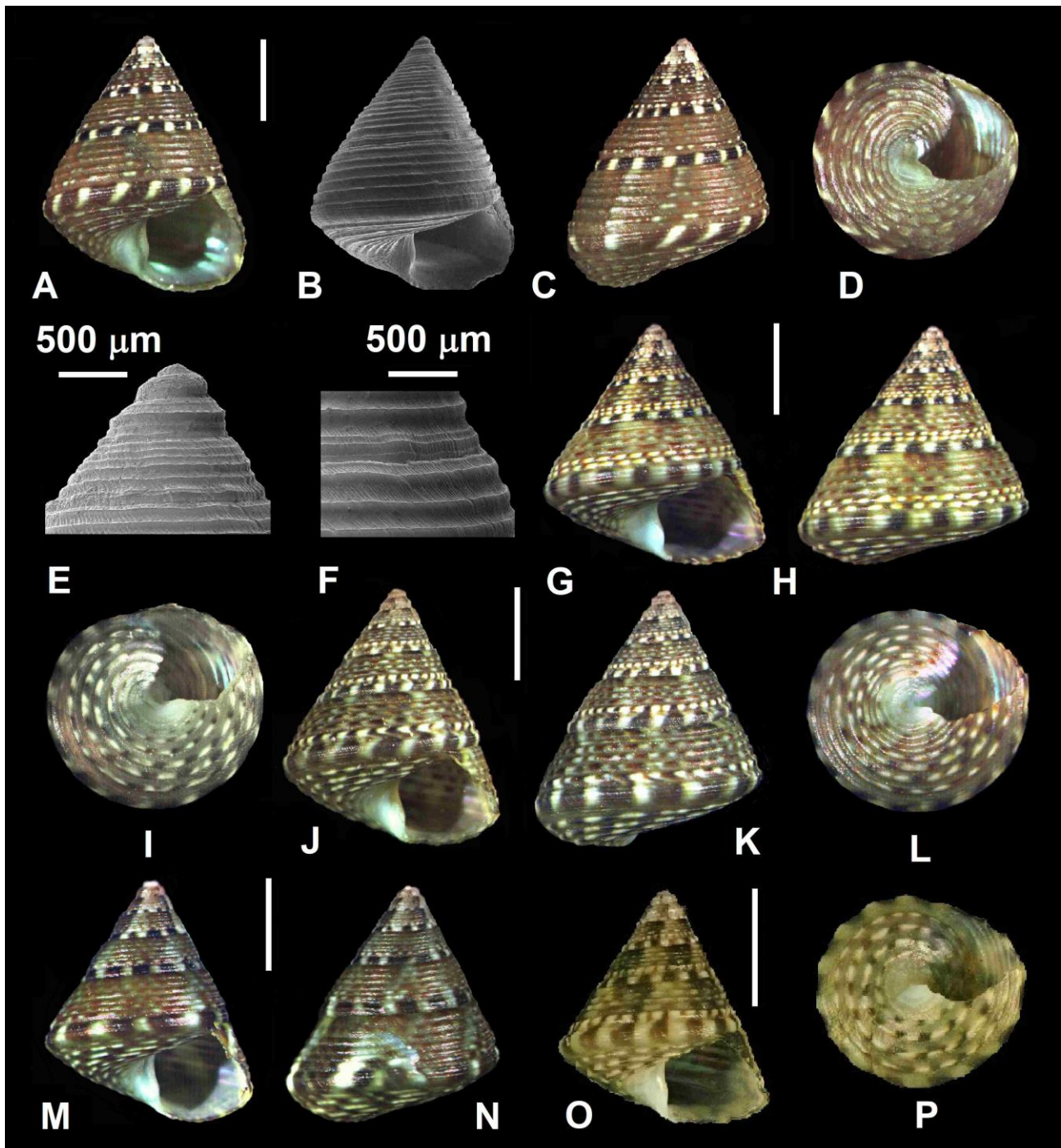


Figure S18. SSH V *Jujubinus swinneni* Mariottini, Oliverio & Smriglio n. sp. A-F. Holotype, Arinaga (27°51'21.24"N15°23'46.61"W), Gran Canaria (Canary Islands). Low tide, on rocky plateau with small stones (collected by Frank Swinnen and Martin Coysman on the 25/01/2016). 6.5 (H) X 4.8 (W) mm. MNHN-IM-0000 (ex BAU2944.1). G-I. Paratype 1, Arinaga (27°51'21.24"N15°23'46.61"W), Gran Canaria (Canary Islands). Low tide, on rocky plateau with small stones (collected by Frank Swinnen and Martin Coysman on the 25/01/2016). 5.2 (H) X 4.3 (W) mm. MNHN-IM-0000. J-L. Paratype 2, Meloneras (27°44' 23.81"N15°36'26.36"W), Gran Canaria (Canary Islands). Low tide, on rocky plateau with large and small boulders (collected by Frank Swinnen and Martin Coysman on the 23/01/2016). 5.5 (H) X 4.4 (W) mm. MCZR-0000. M,N. Paratype 19. Meloneras (27°44' 23.81"N15°36'26.36"W), Gran Canaria (Canary Islands). Low tide, on rocky plateau with large and small boulders (collected by Frank Swinnen and Martin Coysman on the 23/01/2016). (CS-PM). 5.2 (H) X 4.3 (W) mm. O,P. Paratype 20 Arinaga (27°51'21.24"N15°23'46.61"W), Gran Canaria (Canary Islands). Low tide, on rocky plateau with small stones (collected by Frank Swinnen and Martin Coysman on the 25/01/2016). (CS-PM). 4.0 (H) X 3.7 (W) mm. Scale Bar 2 mm, unless otherwise specified.

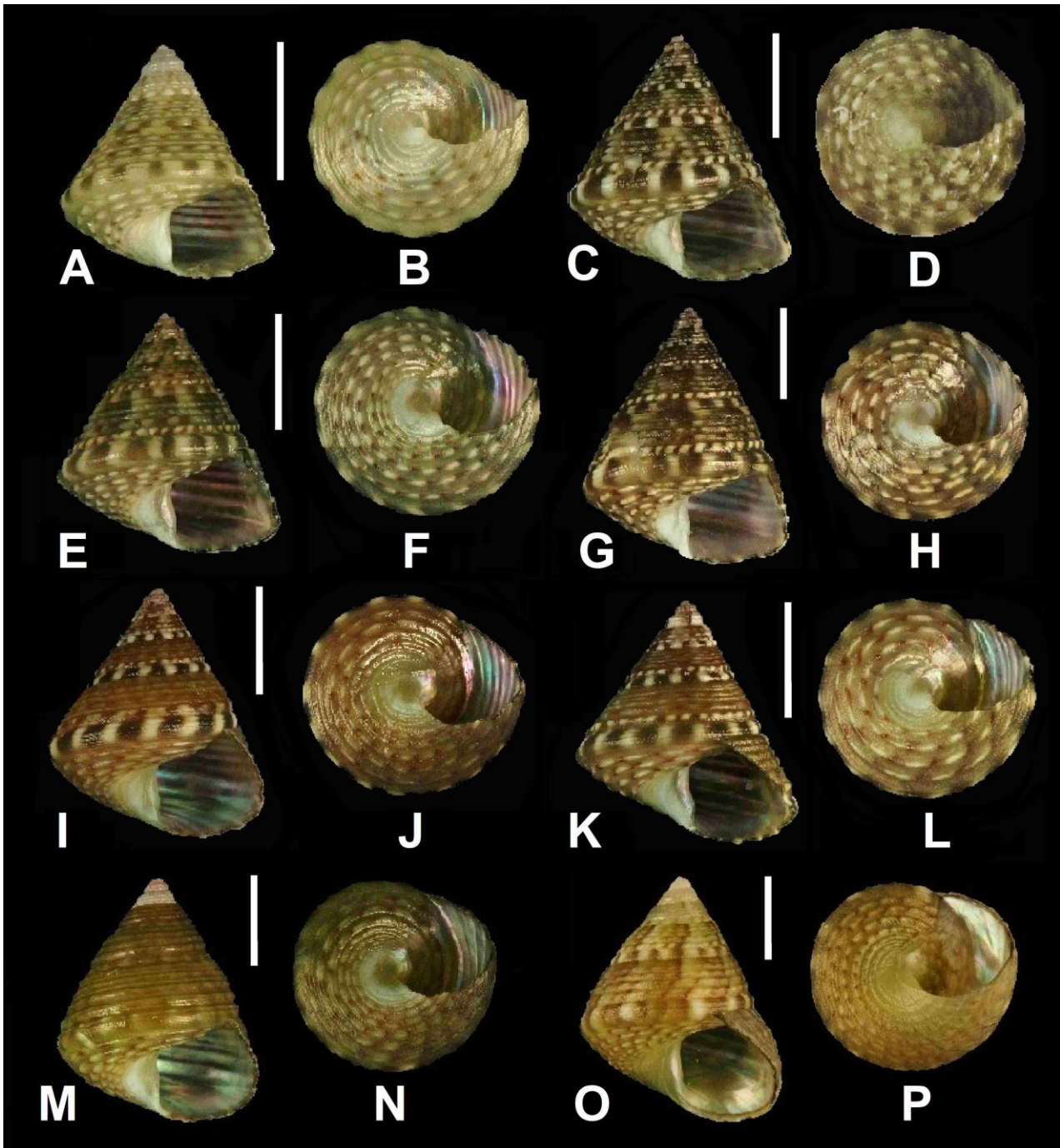


Figure S19. SSH V *Jujubinus swinnyi* Mariottini, Oliverio & Smriglio n. sp. A,B. Paratype 5 (BAU2944.4). 3.4 (H) X 2.9 (W) mm. Arinaga (27°51'21.24"N15°23'46.61"W), Gran Canaria (Canary Islands). Low tide, on rocky plateau with small stones (collected by Frank Swinnen and Martin Coysman on the 25/01/2016). C,D. Paratype 9 (BAU2945.3). 4.8 (H) X 3.6 (W) mm. Arinaga (27°51'21.24"N15°23'46.61"W), Gran Canaria (Canary Islands). Low tide, on rocky plateau with small stones (collected by Frank Swinnen and Martin Coysman on the 25/01/2016). E,F. Paratype 10 (BAU2945.4). 4.2 (H) X 3.9 (W) mm. Arinaga (27°51'21.24"N15°23'46.61"W), Gran Canaria (Canary Islands). Low tide, on rocky plateau with small stones (collected by Frank Swinnen and Martin Coysman on the 25/01/2016). G,H. Paratype 12 (BAU2946.1). 5.6 (H) X 4.5 (W) mm. Arinaga (27°51'21.24"N15°23'46.61"W), Gran Canaria (Canary Islands). Low tide, on rocky plateau with small stones (collected by Frank Swinnen and Martin Coysman on the 25/01/2016). I,J. Paratype 14 (BAU2947.2). 4.7 (H) X 4.3 (W) mm. Meloneras (27°44'11.50"N15°36'11.13"W), Gran Canaria (Canary Islands). Low tide, on rocky plateau with large and small boulders (collected by Frank Swinnen and Martin Coysman on the 22/01/2016). K,L. Paratype 15 (BAU2947.3). 4.2 (H) X 3.9 (W) mm. Meloneras (27°44'11.50"N15°36'11.13"W), Gran Canaria (Canary Islands). Low tide, on rocky plateau with large and small boulders (collected by Frank Swinnen and Martin Coysman on the 22/01/2016). M,N. Paratype 17 (BAU2948.1). 5.5 (H) X 4.6 (W) mm. Meloneras (27°44'07.58"N15°36'03.63"W), Gran Canaria (Canary Islands). Low tide, on rocky plateau with large and small boulders (collected by Frank Swinnen and Martin Coysman on the 23/01/2016). O,P. Paratype 18 (BAU2948.2). 6.0 (H) X 4.6 (W) mm. Meloneras (27°44'07.58"N15°36'03.63"W), Gran Canaria (Canary Islands). Low tide, on rocky plateau with large and small boulders (collected by Frank Swinnen and Martin Coysman on the 23/01/2016). Bar length 2 mm.

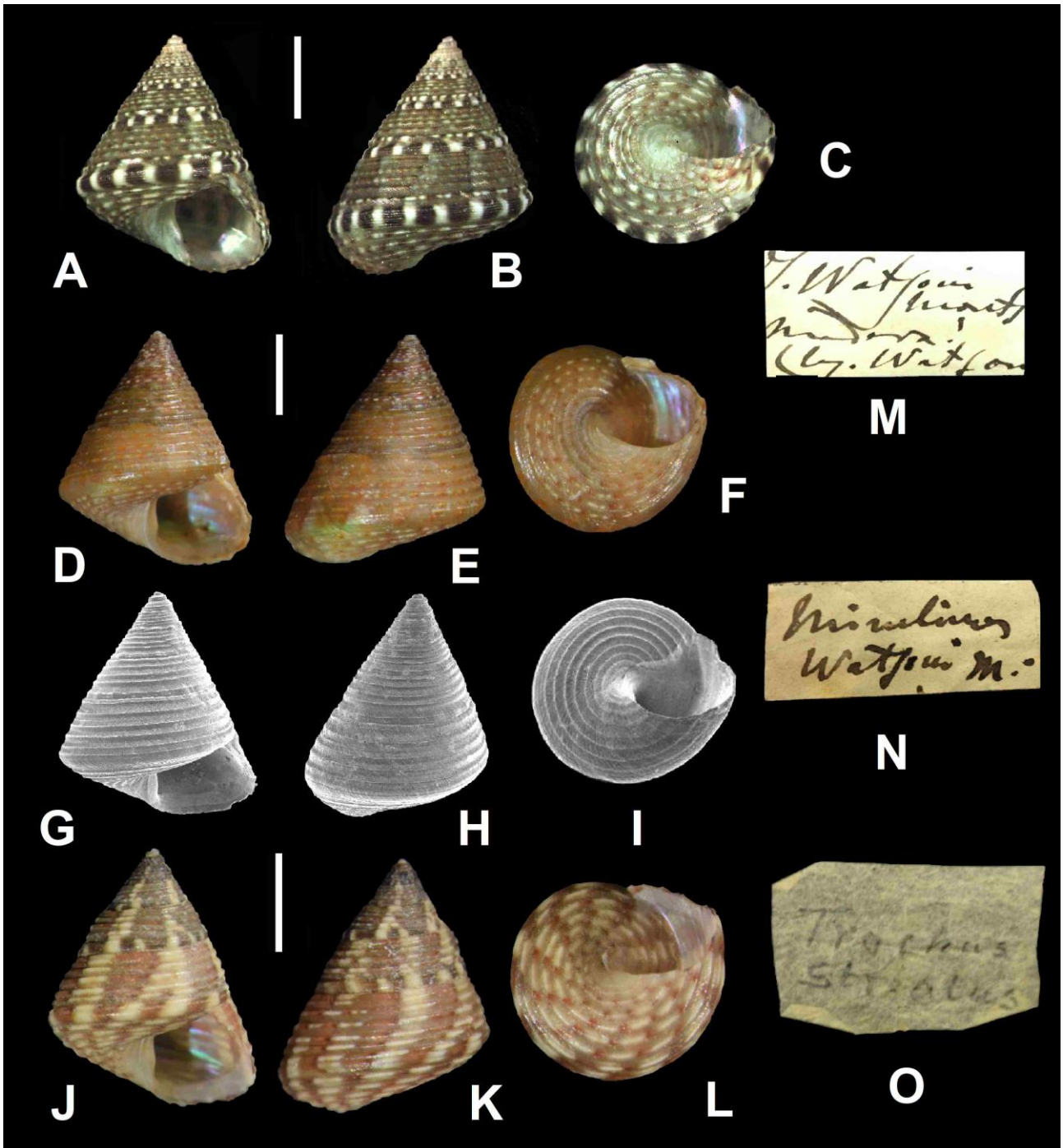


Figure S20. SSH V *Jujubinus swinneni* Mariottini, Oliverio & Smriglio n. sp. A-C. Paratype 21 Meloneras (27°44'11.50"N15°36'11.13"W), Gran Canaria (Canary Islands). Low tide, on rocky plateau with large and small boulders (collected by Frank Swinnen and Martin Coysman on the 22/01/2016). 5.6 (H) X 4.5 (W) mm. (CS-PM). D-I. Madeira. 6.3 (H) X 4.7 (W) mm. MCZR-M-11715. J-L. Madeira. 5.3 (H) X 4.1 (W) mm. MCZR-M-11715. M, N. Monterosato's original labels of specimens of figures D-I and J-L, respectively (the name "*Jujubinus watsoni*" is not available, and is not introduced hereby). O. Watson's original label. Bar length 2 mm.

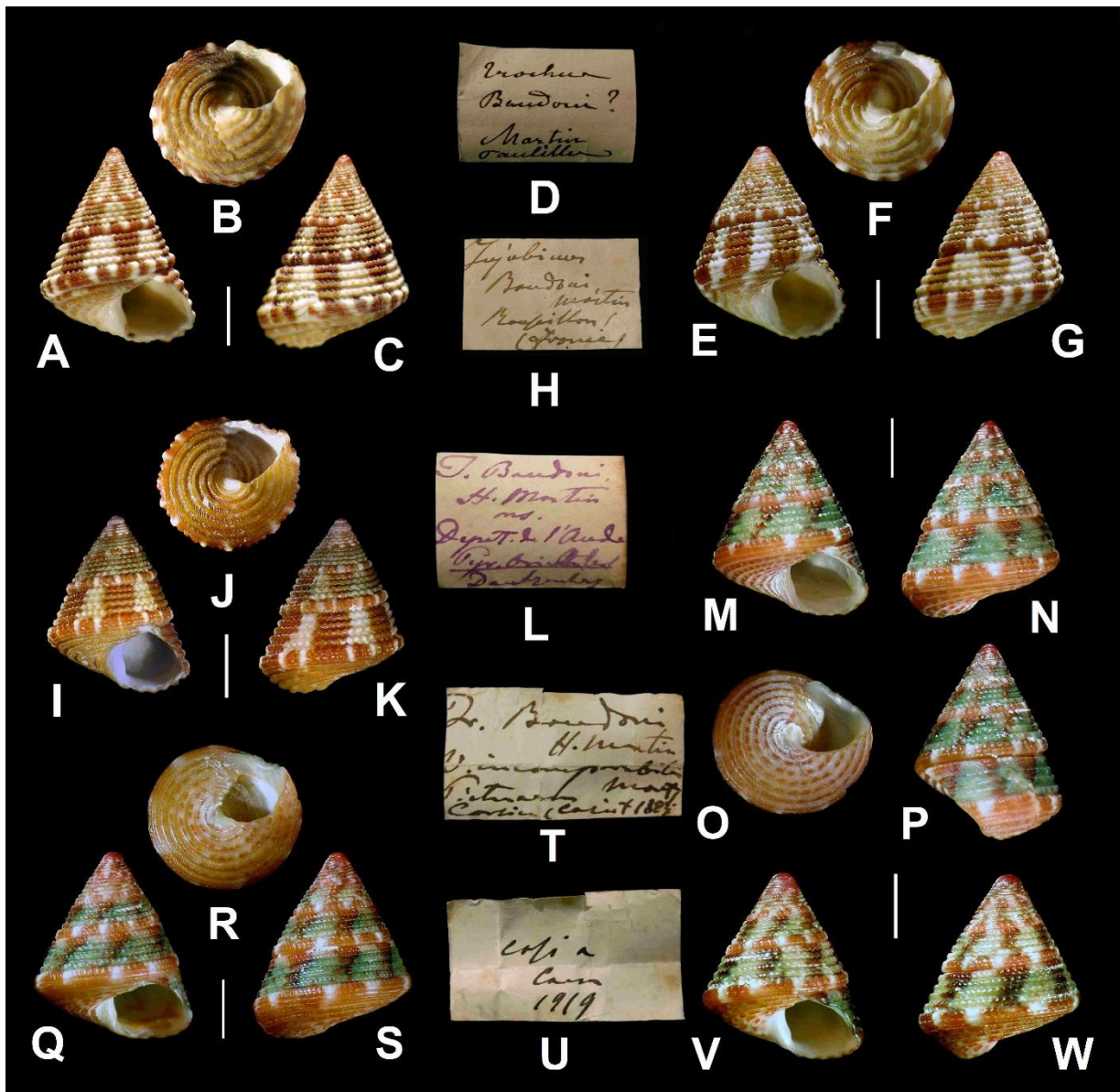


Figure S21. SSH VI *Jujubinus baudoni* (Monterosato, 1891). A-C. *Trochus baudoni*. Lectotype MCZR00218. 6.5 (H) x 5.2 (W) mm. Paulilles (France). D. MTS collection, original label. E-G. *T. baudoni*. MTS collection, 6.3 (H) x 5.0 (W) mm, Roussilons (France). H. MTS collection, original label. I-K. *T. baudoni*. MTS collection. 5.7 (H) x 4.7 mm (W). Department de l'Aude (France). L. MTS collection, original label. M-P. *Jujubinus baudoni* var. *incomparabilis*. MTS collection, 6.0 (H) x 4.9 (W) mm, Pietranera (Corse). Q-S. *Jujubinus baudoni* var. *incomparabilis*. MTS collection, 6.1 x 5.0 mm, Pietranera (Corse). T,U. MTS collection, original labels. V,W. *Jujubinus baudoni* var. *incomparabilis*. MTS collection, 5.4 x 4,8 mm, Pietranera (Corse).

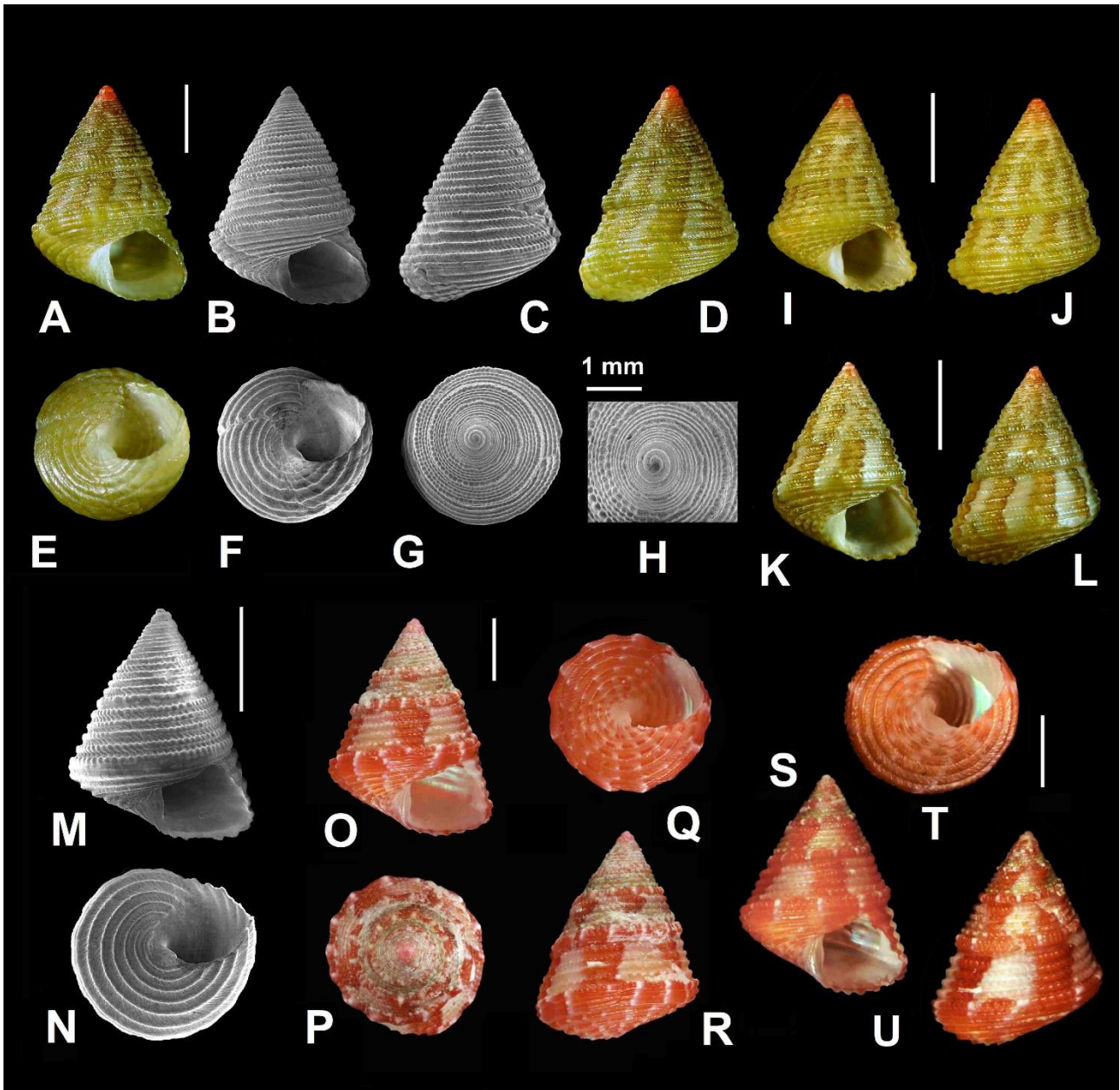


Figure S22. SSH VI *Jujubinus baudoni* (Monterosato, 1891). **A-H.** *Jujubinus baudoni*. CS-PM collection, 7.1 x 4.8 mm, La Maddalena Is., Sardinia, 25 m depth. **I,J.** CS-PM collection, 7.1 x 4.9 mm, Caprera Is. (Sardinia), 30 m depth. **K,L.** CS-PM collection, 6.0 x 4.2 mm, Caprera Is. (Sardinia), 30 m depth. **M,N.** *Jujubinu baudoni*. CS-PM collection, 4.6 x 3.4 mm, Caprera Is. (Sardinia), 30 m depth. **O-R.** *Jujubinus baudoni*. BAU-3762 Tour d'Ancone, Calcatoggio, Corsica, 42°02'36" N, 008°43'15" E, 15 m depth, 28.viii.2012. **S-U.** *Jujubinus baudoni*. BAU-3763 Tour d'Ancone, Calcatoggio, Corsica, 42°02'36" N, 008°43'15" E, 15 m depth, 28.viii.2012.

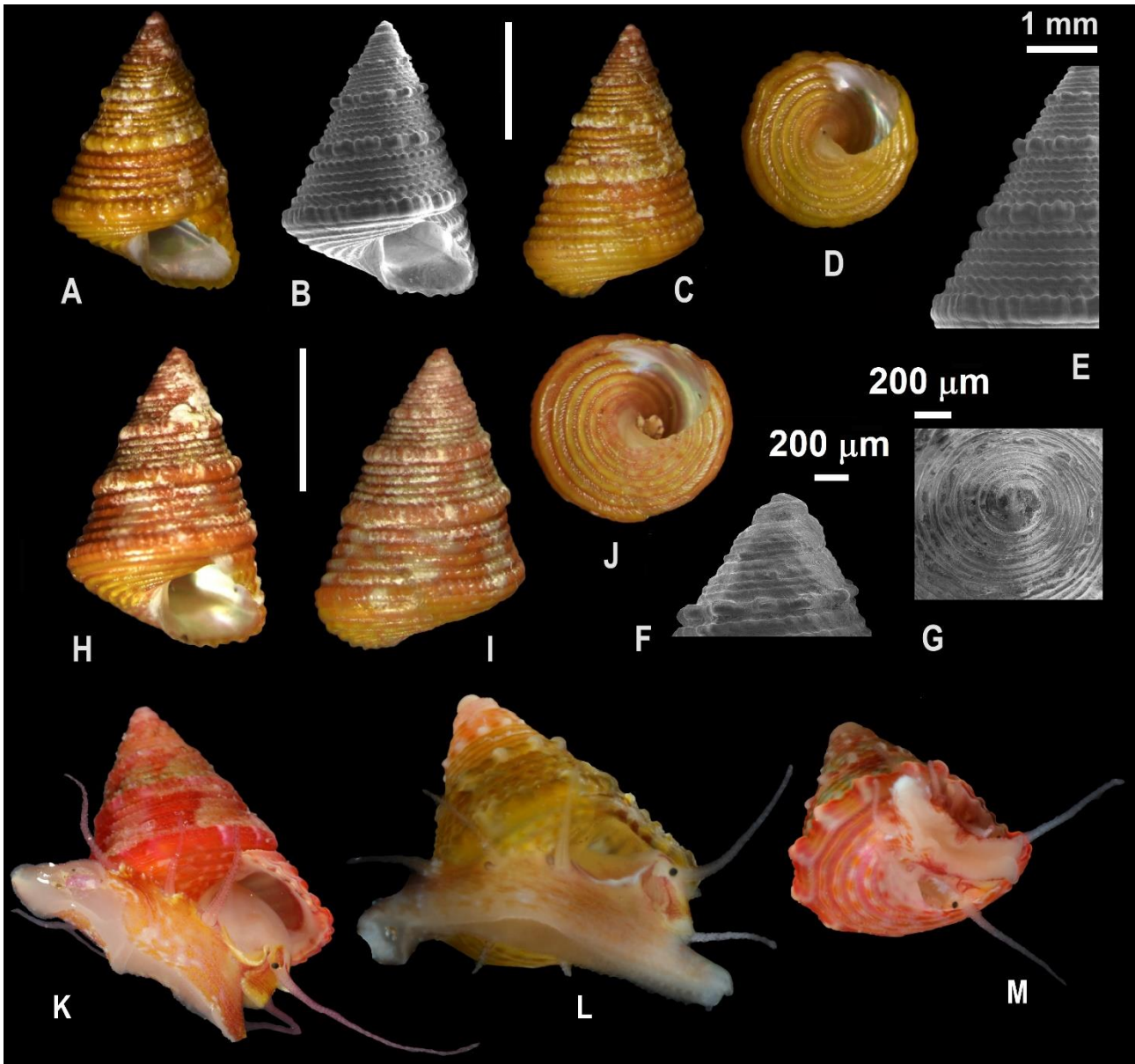


Figure S23. SSH VI *Jujubinus baudoni* (Monterosato, 1891). A-G. MNHN-IM-2019-17991. 5.4 (H) X 4.2 (W) mm. Corsica, Large Punta Rossa (42°25,5'N 08°36,2'E), Station CB44, 23–32 m, brushing. H-J. MNHN-IM-2019-17889. 6.5 (H) X 4.9 (W) mm. Corsica (42°21,2'N, 08°32,1'E), Station CS83, 52 m, air pump. **K.** MNHN-IM-2019-13584. Corsica, South of Lavezzi Is. (41°19'N, 09°15,8'E), Station CS49, 30–33 m, air pump. **L.** MNHN-IM-2019-12819. Corsica, L'Arche (41°31,7'N, 09°24,1'E), Station CS43, 32 m, air pump. **M.** MNHN-IM-2019-13462. Corsica, Tête de Cheval (41°20,3'N, 09°14,5'E), Station CB13, 20–30 m, brushing. Scale bar 2 mm, unless otherwise specified

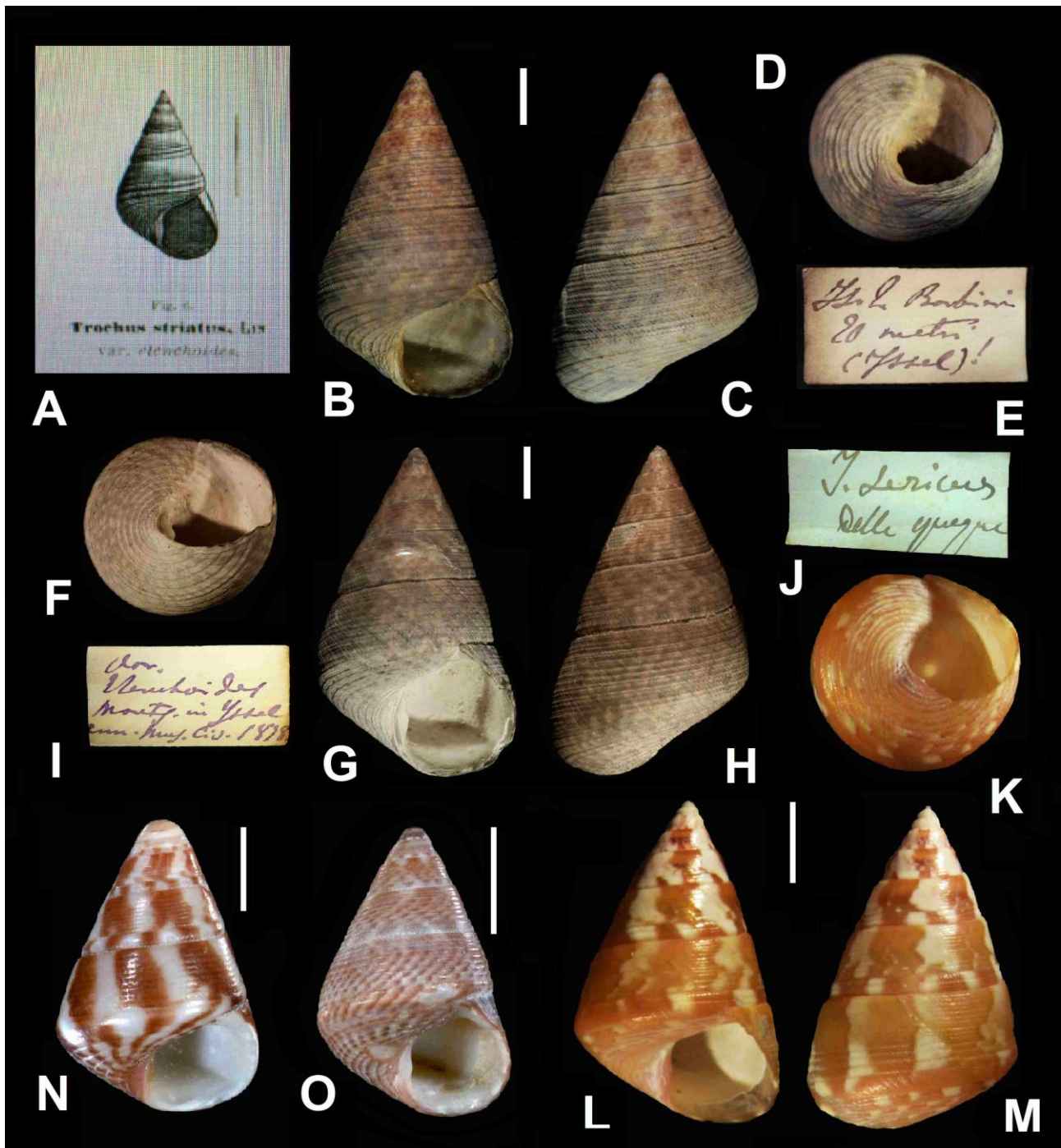


Figure S24. SSH VII *Jujubinus elenchooides* (Issel, 1878). **A.** *Jujubinus elenchooides*. After Issel (1878: p. 436, fig. 6). **B-D.** *Jujubinus elenchooides*. MCZR-M-11698/L, lectotype. 11.5 (H) X 7.5 (W) mm. Isola Barbieri [Unknown toponym; perhaps a locality of an island in the North Aegean Sea (Curini-Galletti, 1982)]. 20 m depth. **E.** *Jujubinus elenchooides*. Monterosato's original label. **F-H.** *Jujubinus elenchooides*. MCZR-M-11698/P, paralectotype. 13.0 (H) X 8.1 (W) mm. Isola Barbieri (Unknown toponym; perhaps a locality of an island in the North Aegean Sea (Curini-Galletti, 1982)). 20 m depth. **I.** *Jujubinus elenchooides*. Monterosato's original label. **J.** *Jujubinus sericeus*. Monterosato's original label. **K-M.** *Jujubinus sericeus*. MCZR-M-11739. 8.9 (H) X 6.1 (W) mm. **N.** *Jujubinus elenchooides orientalis*. SMF 341821. 6.8 (H) X 4.8 (W) mm. Karpathos (Greece). Photograph by S. Hof resp. E. Neubert, courtesy R. Janssen, malacology, SMF. **O.** *Jujubinus aegeensis*. SMF 341823. 8.5 (H) X 5.5 (W) mm. Karpathos (Greece). Photograph by S. Hof resp. E. Neubert, courtesy R. Janssen, malacology, SMF. Scale bar 2 mm.

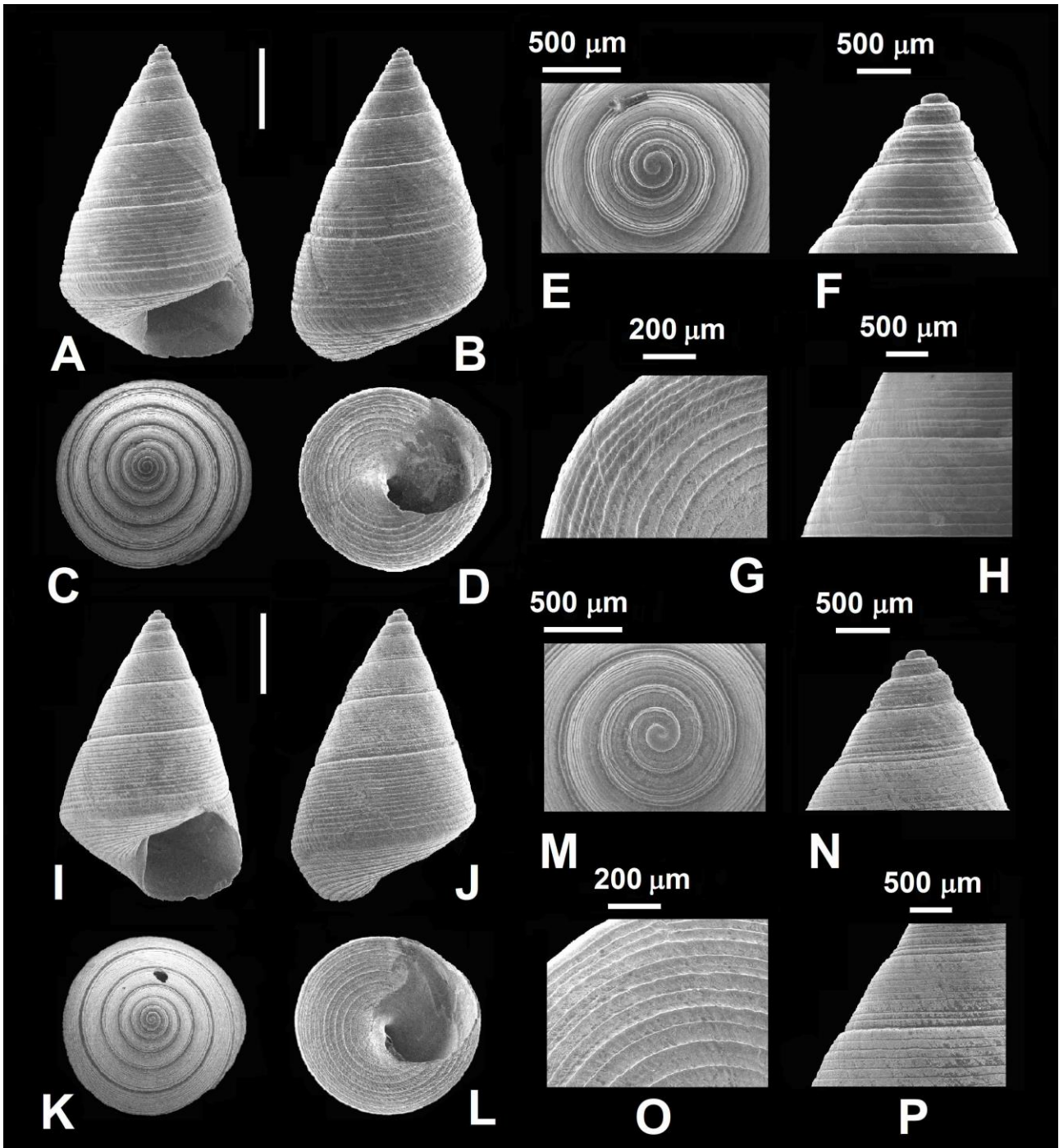


Figure S25. SSH VII *Jujubinus elenchoides* (Issel, 1878). A-H *Jujubinus elenchoides*. MCZR-M-11698/L, lectotype. 11.5 (H) X 7.5 (W) mm. Isola Barbieri [Unknown toponym; perhaps a locality of an island in the North Aegean Sea (Curini-Galletti, 1982)]. 20 m depth. I-T. *Jujubinus elenchoides*. Specimen Fig. 1K-M. MCZR-M-11739. Scale bar 2 mm, unless otherwise specified.

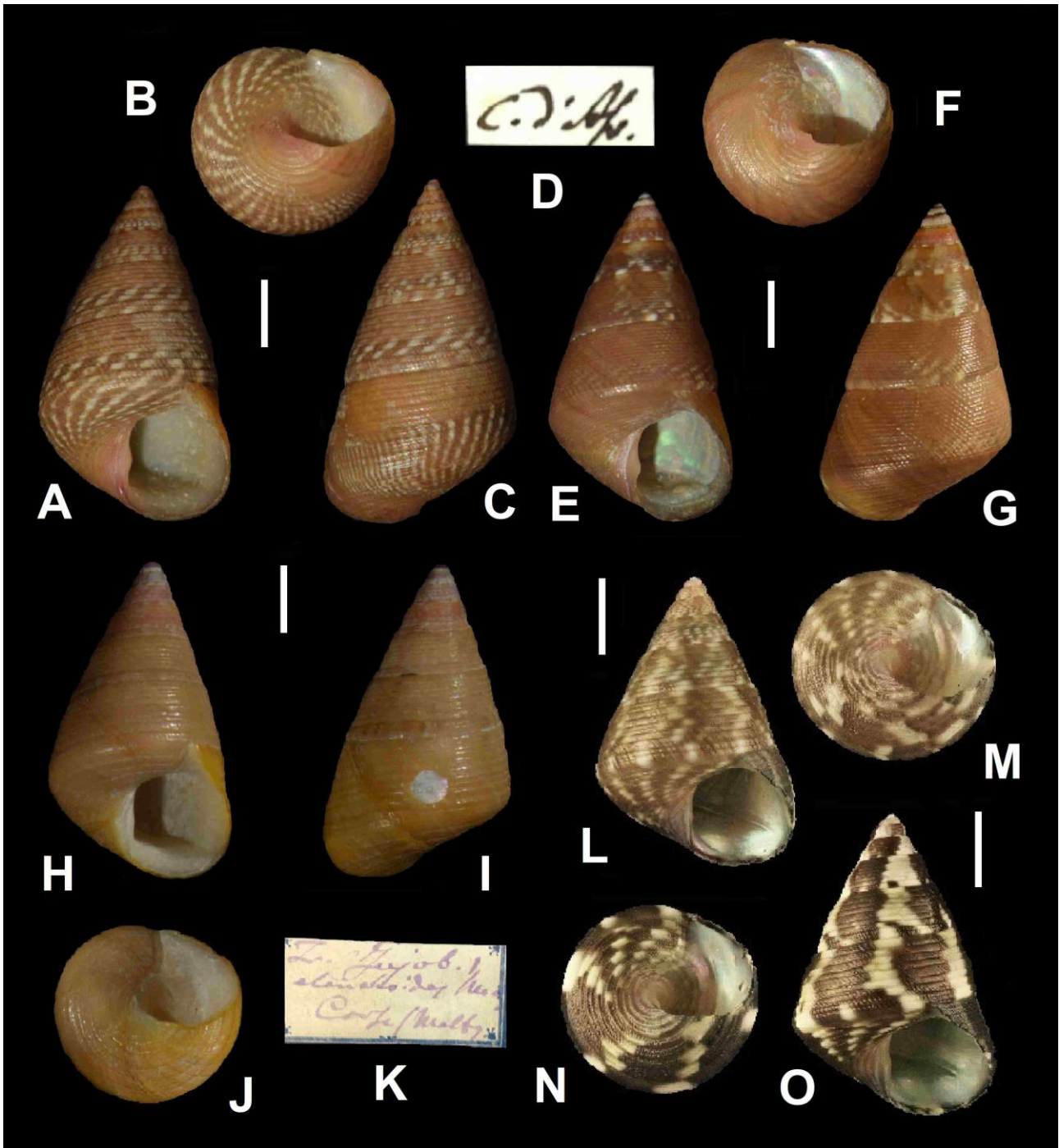


Figure S26. SSH VII *Jujubinus elenchoides* (Issel, 1878). A-C. *Jujubinus elenchoides*. MCZR-M-11682. 10.3 (H) X 6.5 (W) mm. C. d'Afr. (probably coast of Africa, Tunisia). D. *Jujubinus elenchoides*. Monterosato's original label. E-G. *Jujubinus elenchoides*. MCZR-M-11682. 9.8 (H) X 6.1 (W) mm. C. d'Afr. (probably coast of Africa, Tunisia). H-J. *Jujubinus elenchoides*. MCZR-M-11703. 9.5 (H) X 6.2 (W) mm. (Malta). K. *Jujubinus elenchoides*. Monterosato's original label. L,M. *Jujubinus elenchoides*. BAU3040.2. 7.6 (H) X 5.3 (W) mm. Astypalea Is. (Greece). On *P. oceanica*, 3 m depth. N,O. *Jujubinus elenchoides*. BAU3040.3. 8.1 (H) X 5.4 (W) mm. Astypalea Is. (Greece). On *P. oceanica*, 3 m depth. Scale bar 2 mm.

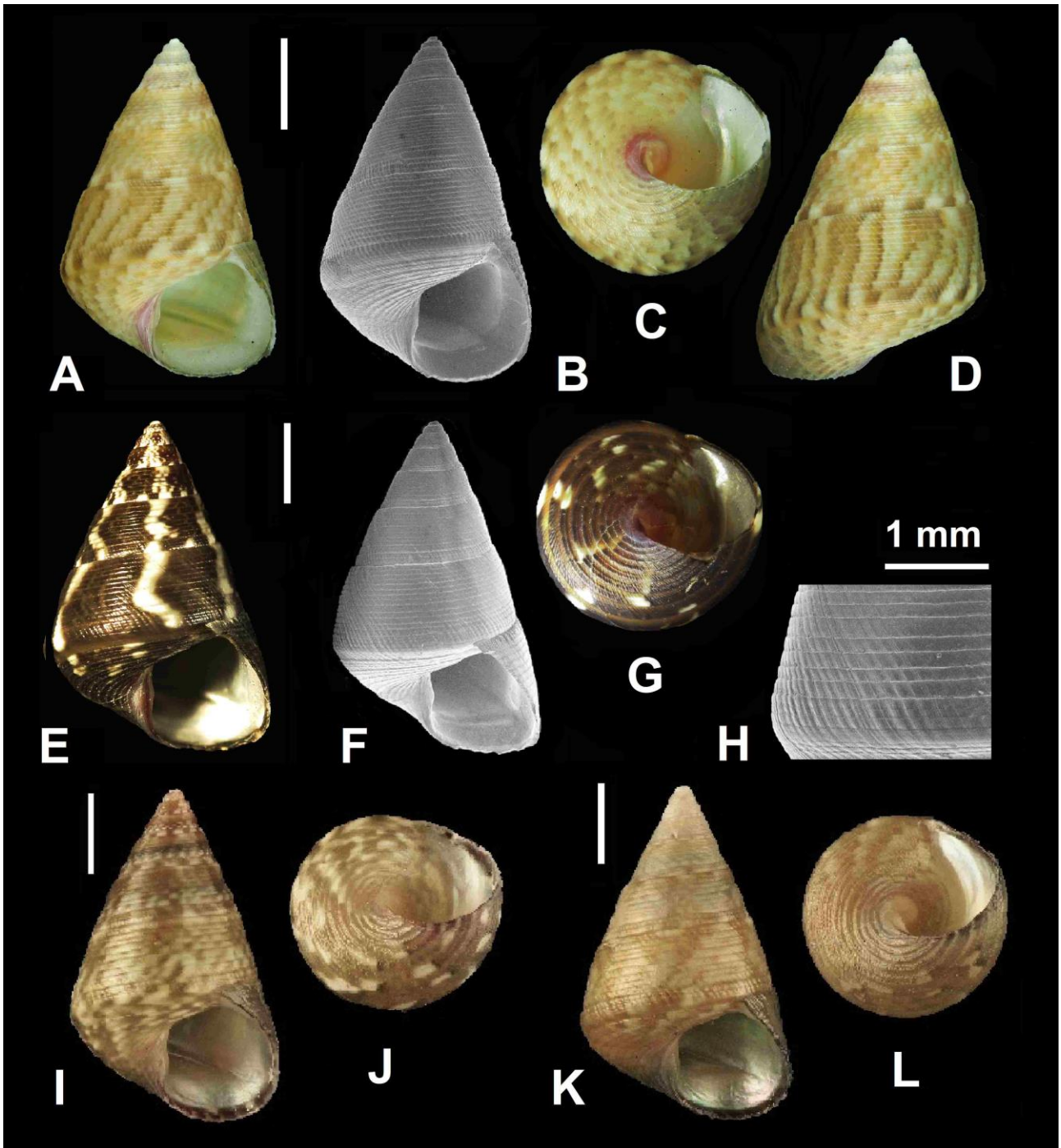


Figure S27. SSH VII *Jujubinus elenchooides* (Issel, 1878). A-D. *Jujubinus elenchooides*. CS-PM. 7.4 (H) X 5.0 (W) mm. Dağta (Turkey). On *P. oceanica*, 15 m depth. E-H. *Jujubinus elenchooides*. CS-PM. 8.6 (H) X 5.7 (W) mm. Dağta (Turkey). On *P. oceanica*, 15 m depth. I,J. *Jujubinus elenchooides*. BAU3040.4. 8.5 (H) X 5.4 (W) mm. Astypalea Is. (Greece). On *P. oceanica*, 3 m depth. K,L. *Jujubinus elenchooides*. BAU3041.1. 8.3 (H) X 5.5 (W) mm. Astypalea Is. (Greece). On *P. oceanica*, 3 m depth. Scale bar 2 mm, unless otherwise specified.

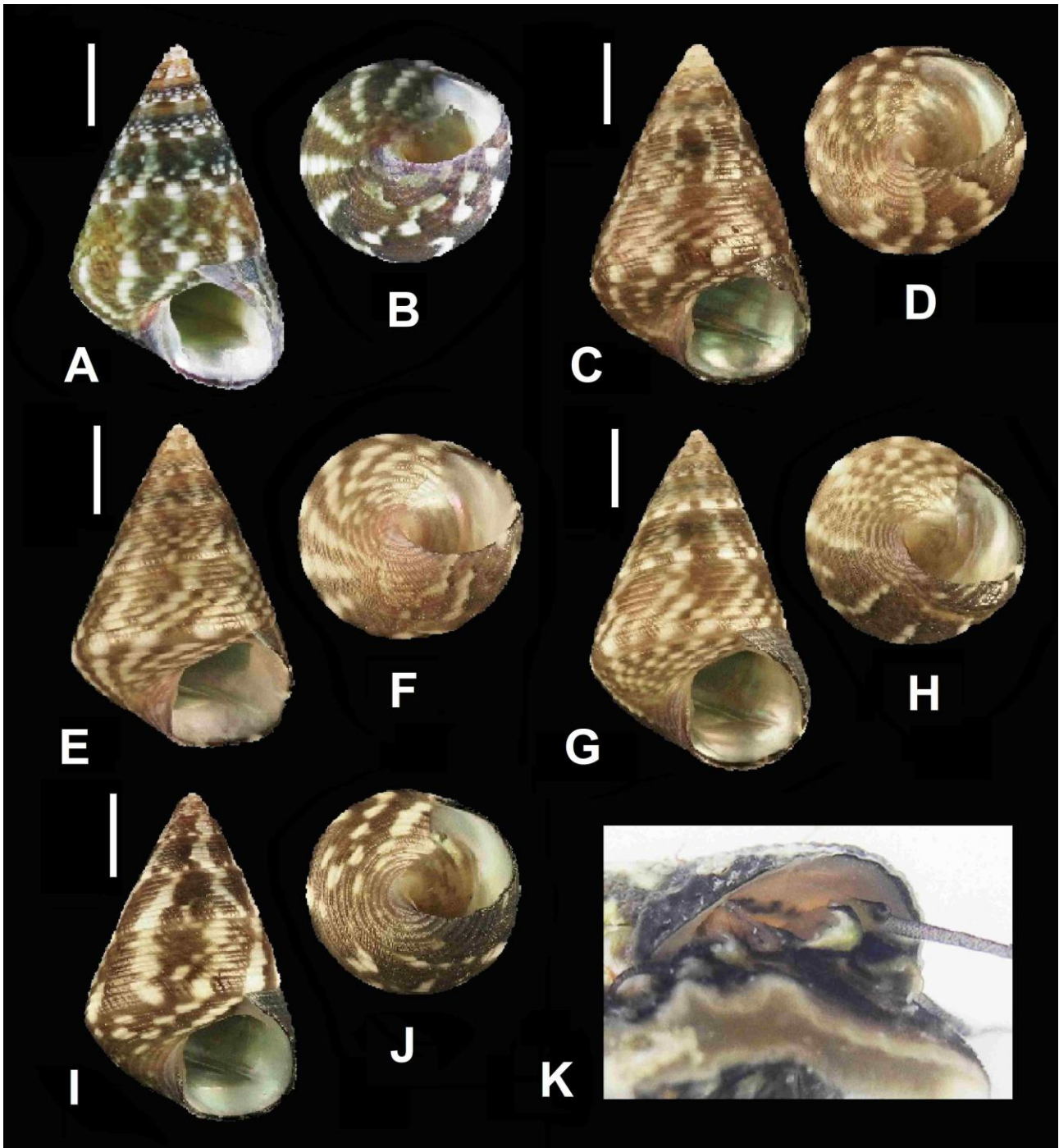


Figure S28. SSH VII *Jujubinus elenchoides* (Issel, 1878). **A,B.** *Jujubinus elenchoides*. BAU3044.1. 8.6 (H) X 5.6 (W) mm. Astypalea Is. (Greece). On *P. oceanica*, 3 m depth. **C,D.** *Jujubinus elenchoides*. BAU3044.2. 8.6 (H) X 5.7 (W) mm. Astypalea Is. (Greece). On *P. oceanica*, 3 m depth. **E,F.** *Jujubinus elenchoides*. BAU3044.3. 7.4 (H) X 5.1 (W) mm. Astypalea Is. (Greece). On *P. oceanica*, 3 m depth. **G,H.** *Jujubinus elenchoides*. BAU3044.4. 8.7 (H) X 5.8 (W) mm. Astypalea Is. (Greece). On *P. oceanica*, 3 m depth. **I,J.** *Jujubinus elenchoides*. BAU3044.6. 8.1 (H) X 5.4 (W) mm. Astypalea Is. (Greece). On *P. oceanica*, 3 m depth. **K.** *Jujubinus elenchoides*. Living animal. Astypalea Is. (Greece). On *P. oceanica*, 3 m depth. Scale bar 2 mm.

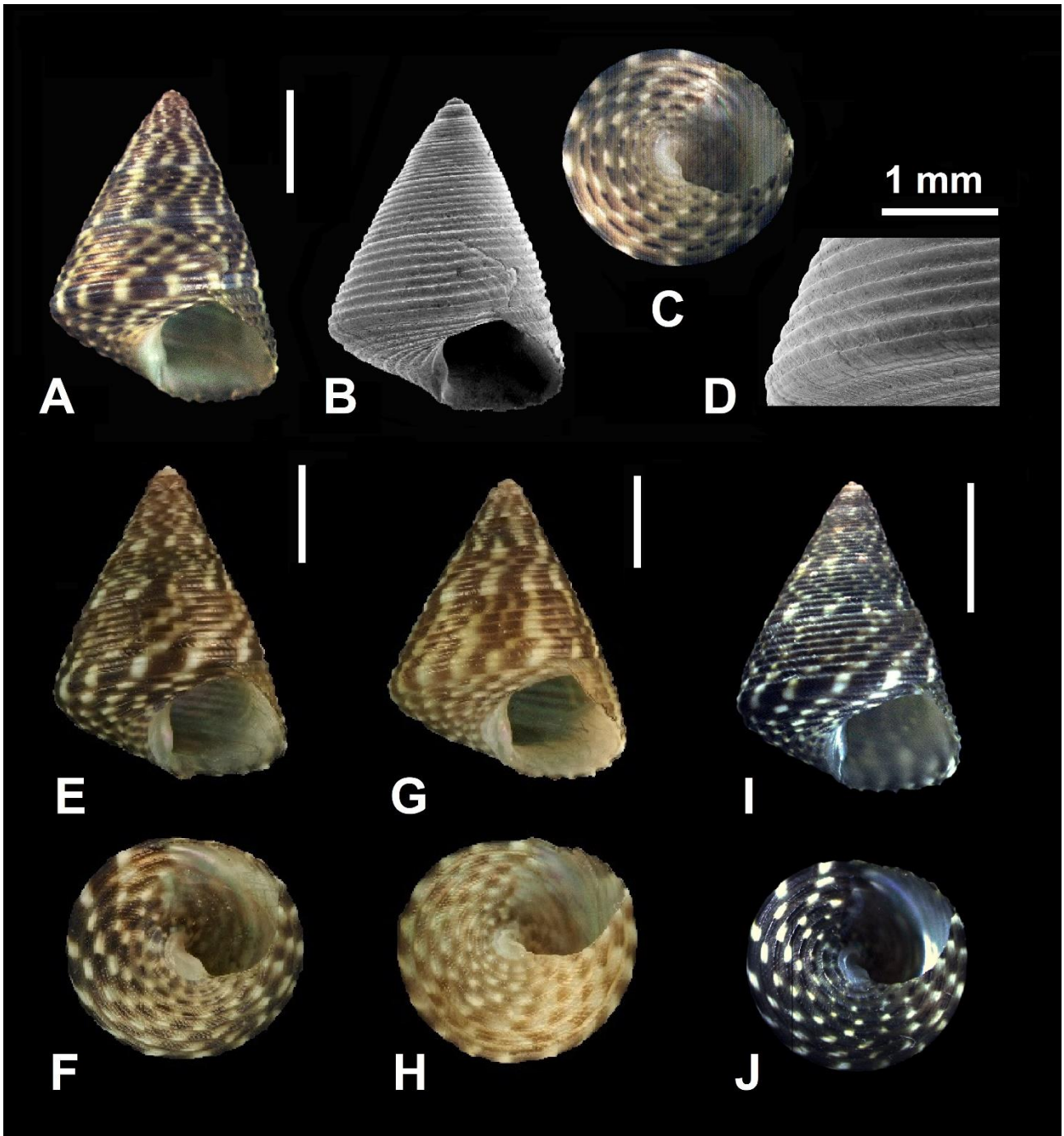


Figure S29. SSH VIII *Jujubinus superum* Mariottini, Oliverio & Smriglio n. sp. **A-D.** *Jujubinus superum*. Holotype MNHN-IM-00000 (ex BAU2071.1), 6.0 (H) X (W) 4.7 mm. Izola (45°32'51.4"N 13°42'12.9"E) (Slovenija) MED; 4 m on *Posidonia* meadow. **E,F.** *Jujubinus superum*. Paratype 1 (BAU2077.2) MO, 6.3 (H) X 4.7 (W) mm. Izola (45°32'51.4"N 13°42'12.9"E) (Slovenija) MED; 4 m on *Posidonia* meadow. **G,H.** *Jujubinus superum*. Paratype 2. (BAU2077.3) MO, 6.5 (H) X 4.9 (W) mm, Izola (45°32'51.4"N 13°42'12.9"E) (Slovenija) MED; 4 m on *Posidonia* meadow. **I,J.** *Jujubinus superum*. Paratype 5, CS-PM. 4.8 (H) X 4.0 (W) mm. Izola (45°32'51.4"N 13°42'12.9"E) (Slovenija) MED; 4 m on *Posidonia* meadow. Scale bar 2 mm, unless otherwise specified.

**A****B****C****D****E****F**

Figure S30. SSH VIII *Jujubinus superum* Mariottini, Oliverio & Smriglio n. sp. *Jujubinus superum*. CS-PM. Izola (45°32'51.4"N 13°42'12.9"E) (Slovenija) MED; 4 m on *Posidonia* meadow. **A,B. Ex 1: 4.5 (H) X 3.7 (W) mm; **C,D.** Ex 2: 4.2 (H) X 3.4 (W) mm; **E,F.** Ex 3: 4.3 (H) X 3.5 (W) mm.**

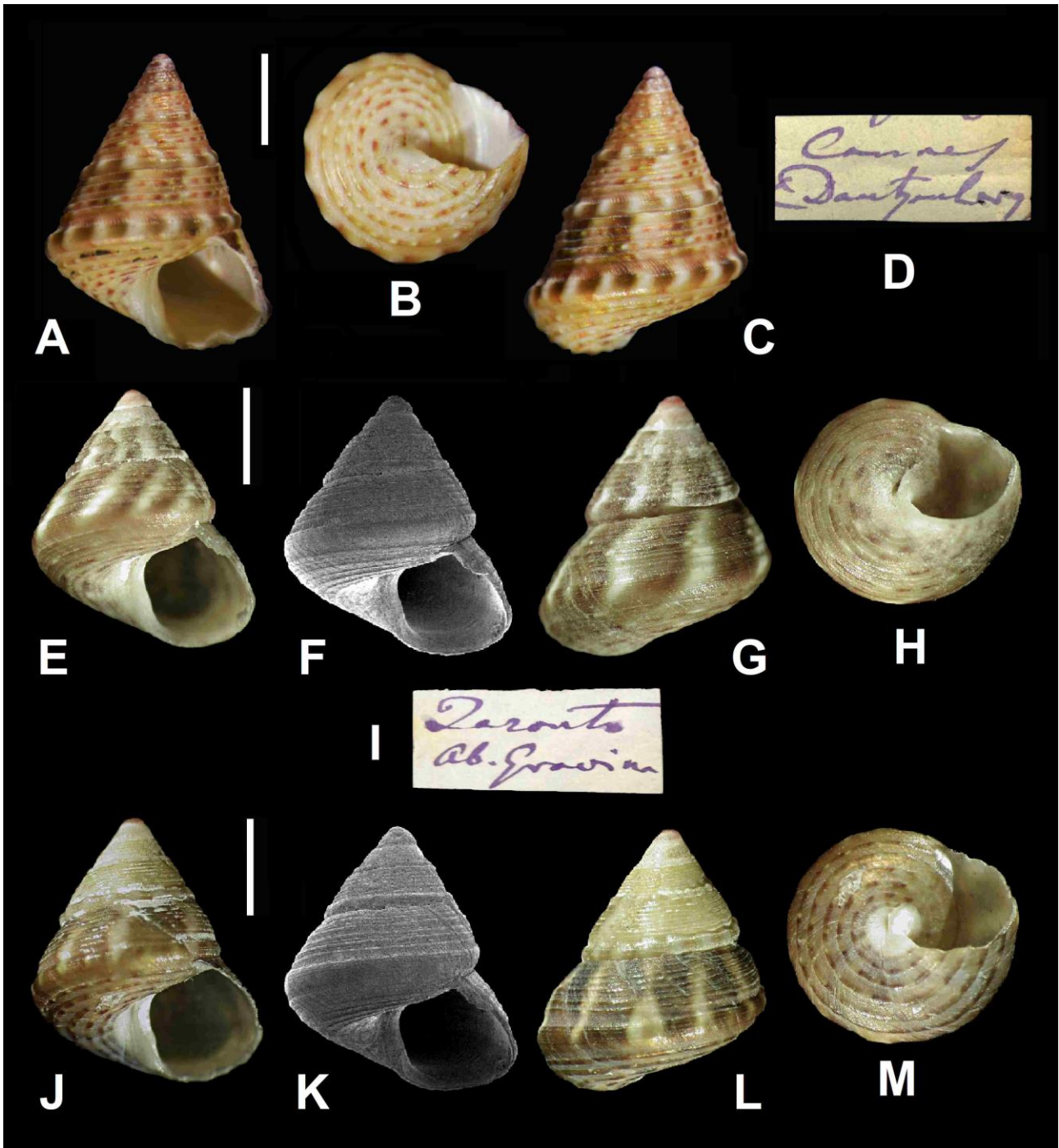


Figure S31. SSH IX *Jujubinus gravinae* (Dautzenberg, 1881). A-C. *Jujubinus gravinae*. MCZR-M-11689-L, lectotype. 6.3 (H) X 5.0 (W) mm. Cannes (France). Ex-Dautzenberg collection. D. Monterosato's original label. E-H. *Jujubinus gravinae*. 5.3 (H) X 4.7 (W) mm. Taranto (Italy). I. Monterosato's original label. J-M. Monterosato's original label. 5.4 (H) X 4.7 (W) mm. Taranto (Italy). Scale bar 2 mm.

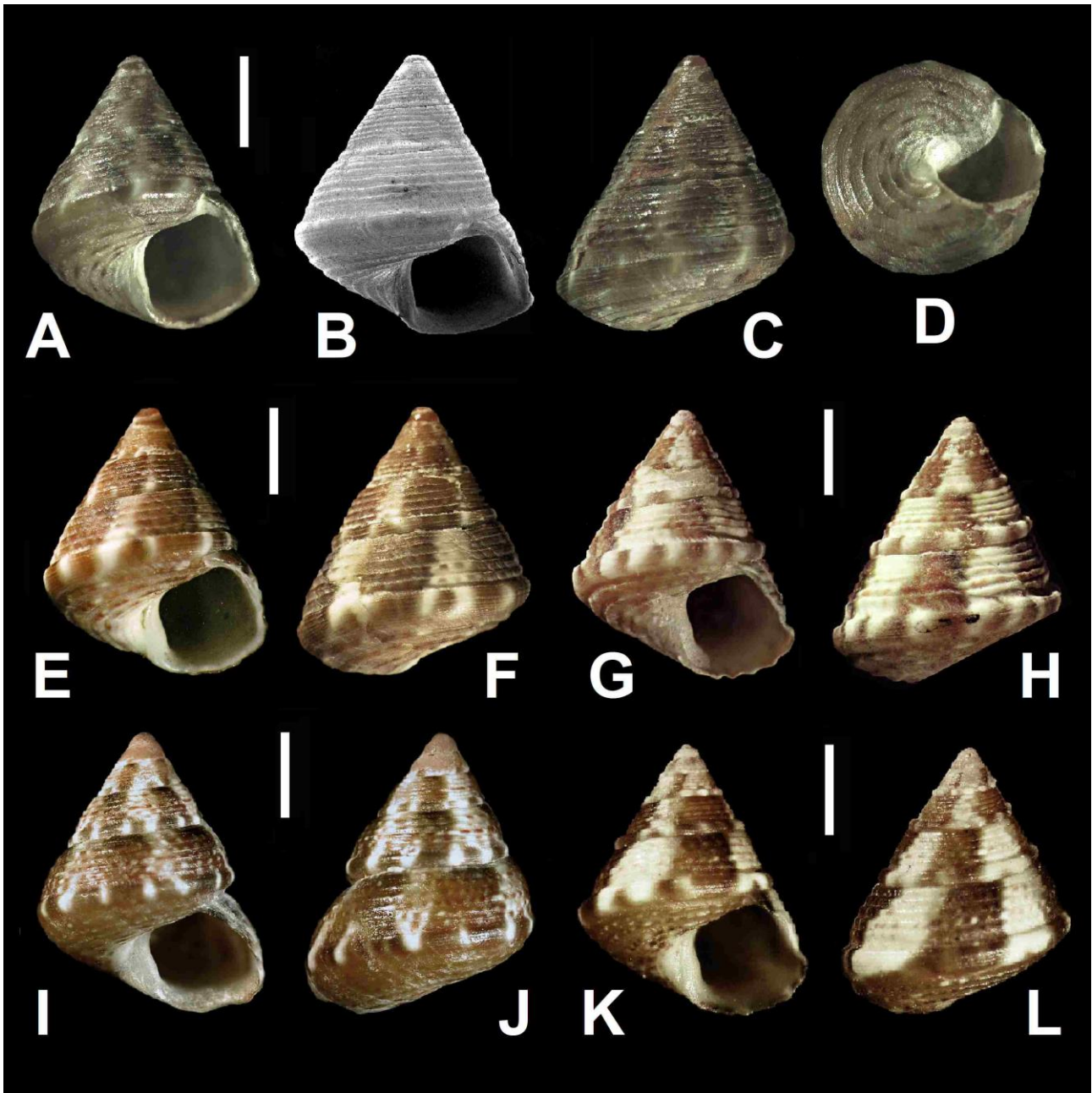


Figure S32. SSH IX *Jujubinus gravinae* (Dautzenberg, 1881). **A-D.** *Jujubinus gravinae*. MCZR-M-11689-P, paralectotype. 5.9 (H) X 4.9 (W) mm. Cap Croisette, Cannes (France). Ex-Dautzenberg collection. **E,F.** *Jujubinus gravinae*. MCZR-M-11689-P, paralectotype. 6.1 (H) X 5.1 (W) mm. Cap Croisette, **G,H.** *Jujubinus gravinae*. Ex 4. 6.2 (H) X 5.0 (W) mm. La Maddalena Is. (41°15'43.37"N 9°25'48.59"E), Sardinia (Italy). On sediment, 15 m depth. **I,J.** *Jujubinus gravinae*. Ex 5. 6.7 (H) X 5.1 (W) mm. La Maddalena Is. (41°15'43.37"N 9°25'48.59"E), Sardinia (Italy). On sediment, 15 m depth. **K,L.** *Jujubinus gravinae*. Ex 6. 5.7 (H) X 4.7 (W) mm. La Maddalena Is. (41°15'43.37"N 9°25'48.59"E), Sardinia (Italy). On sediment, 15 m depth. Scale bar 2 mm.

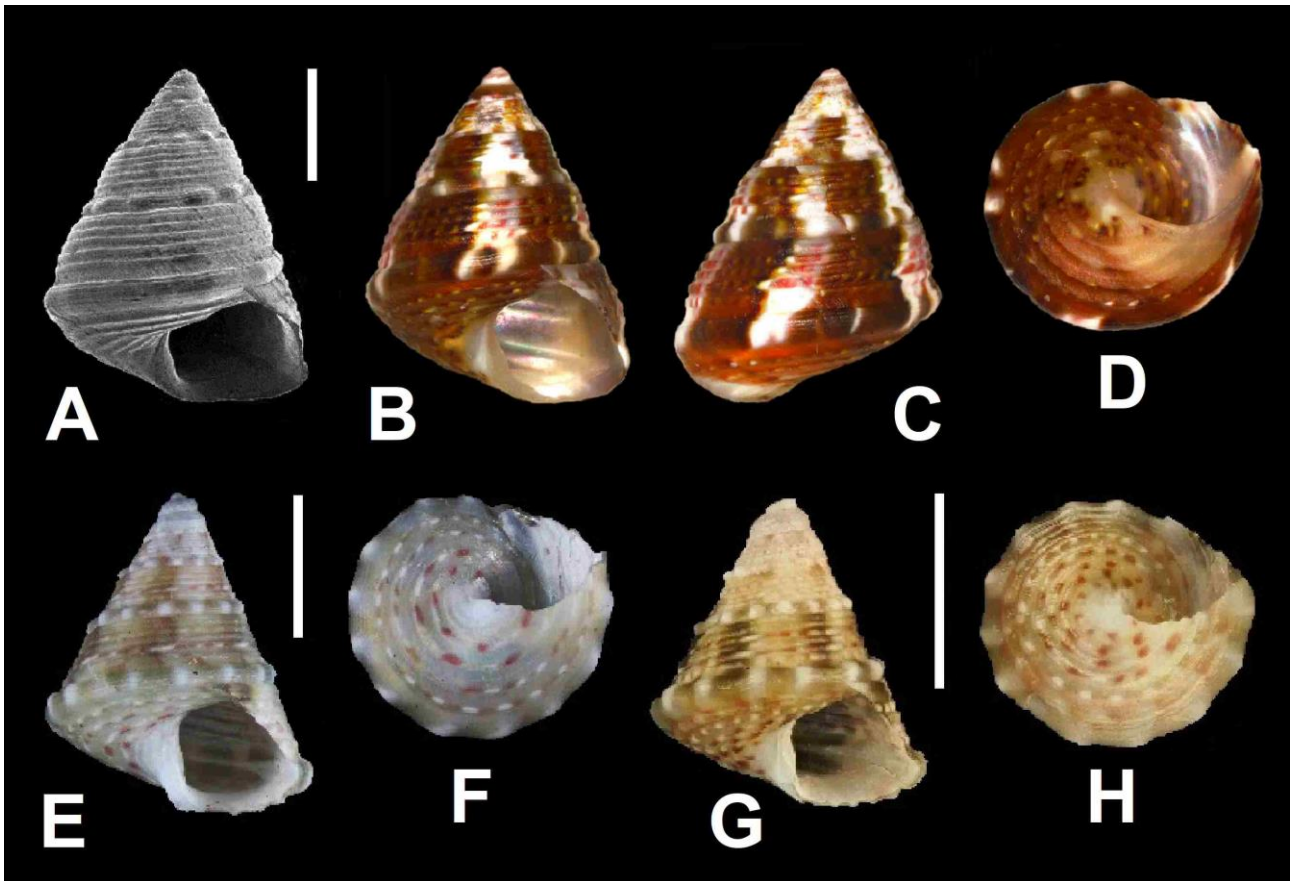


Figure S33. SSH IX *Jujubinus gravinae* (Dautzenberg, 1881). **A-D** *Jujubinus gravinae*. CS-PM. 5.9 (H) X 4.6 (W) mm. Giannutri Is. (42°15'7.05"N 11° 5'31.51"E), Tuscany (Italy). On *Cystoseira mediterranea*, 3 m depth. **E,F**. *Jujubinus gravinae*. BAU2078.1. 4.3 (H) X 3.4 (W) mm. Baccu Mandara, Sardinia (Italy). On *Posidonia oceanica*, 2 m depth. **G,H**. *Jujubinus gravinae*. BAU2078.3. 3.4 (H) X 2.8 (W) mm. Baccu Mandara, Sardinia (Italy). On *Posidonia oceanica*, 2 m depth. Scale bar 2 mm.

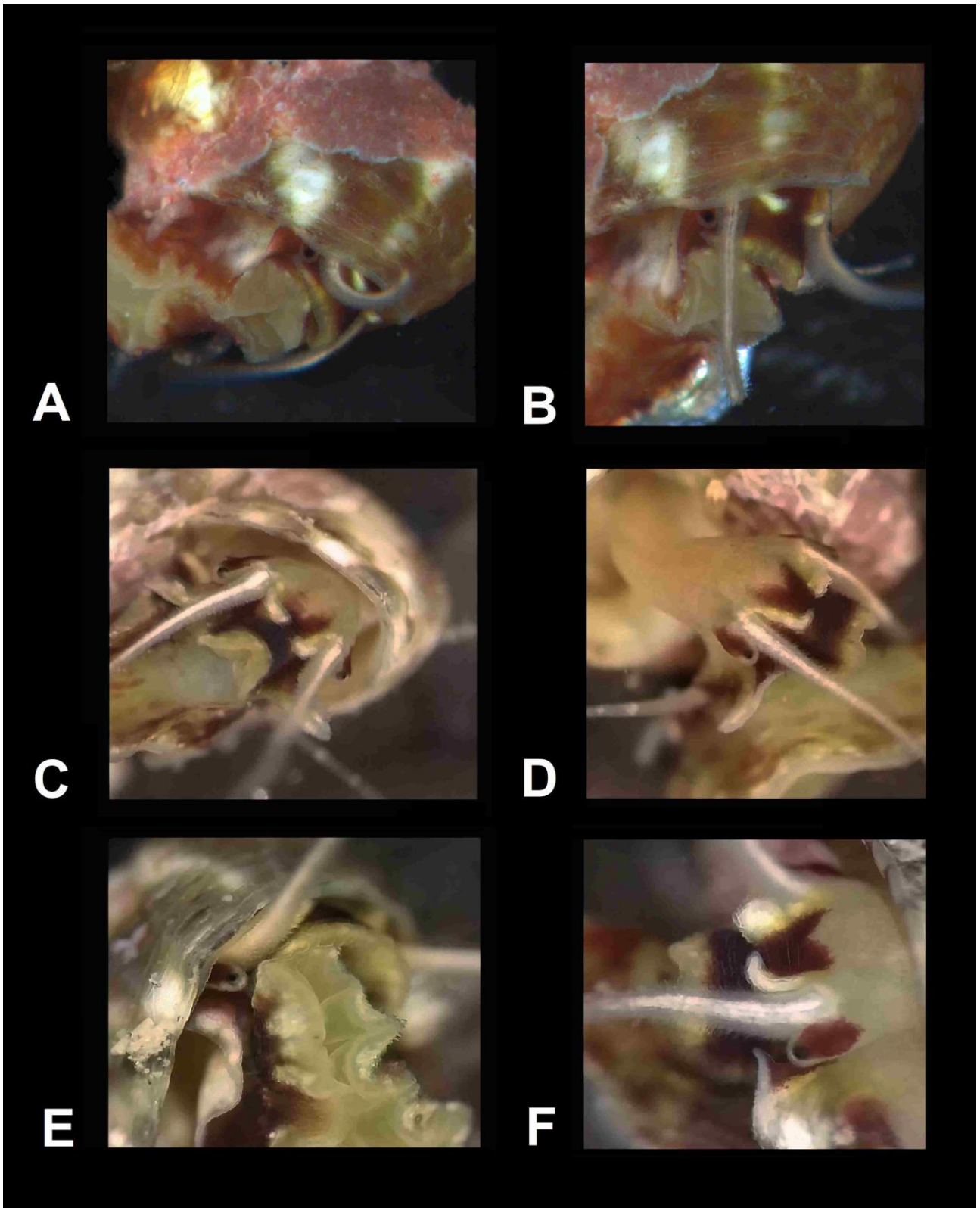


Figure S34 A-F. *Jujubinus gravinae*. CS-PM. Giannutri Is. (42°15'07.05"N 11°05'31.51"E, Tuscany (Italy)). On *Cystoseira mediterranea*, 3 m depth. **Fig. 1-6.** Ex 1: 6.1 (H) X 4.9 (W) mm.

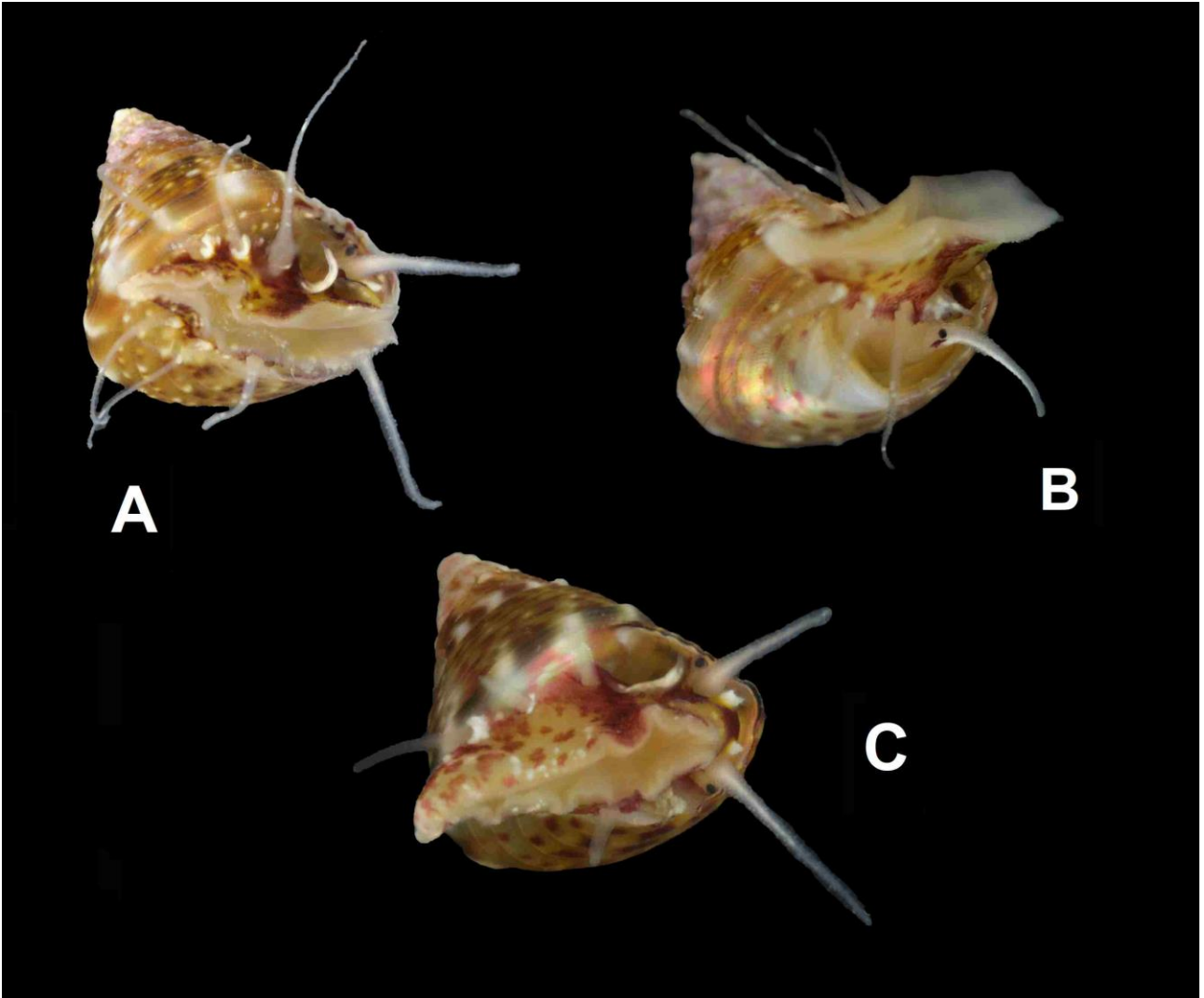


Figure S35 *Jujubinus gravinae*. **A.** MNHN-IM-2019-13600, Corsica: Lavezzi Is., 41°20,2'N, 09°15,5'E, 0-1 m. **B.** MNHN-IM-2019-13690, Corsica: Punta Di Capineru, 41°27,4'N, 09°02,4'E, 0-1 m.. **C.** MNHN-IM-2019-16822, Corsica: Cargèse Port, 42°07,9'N, 08°35,8'E, 7 m.

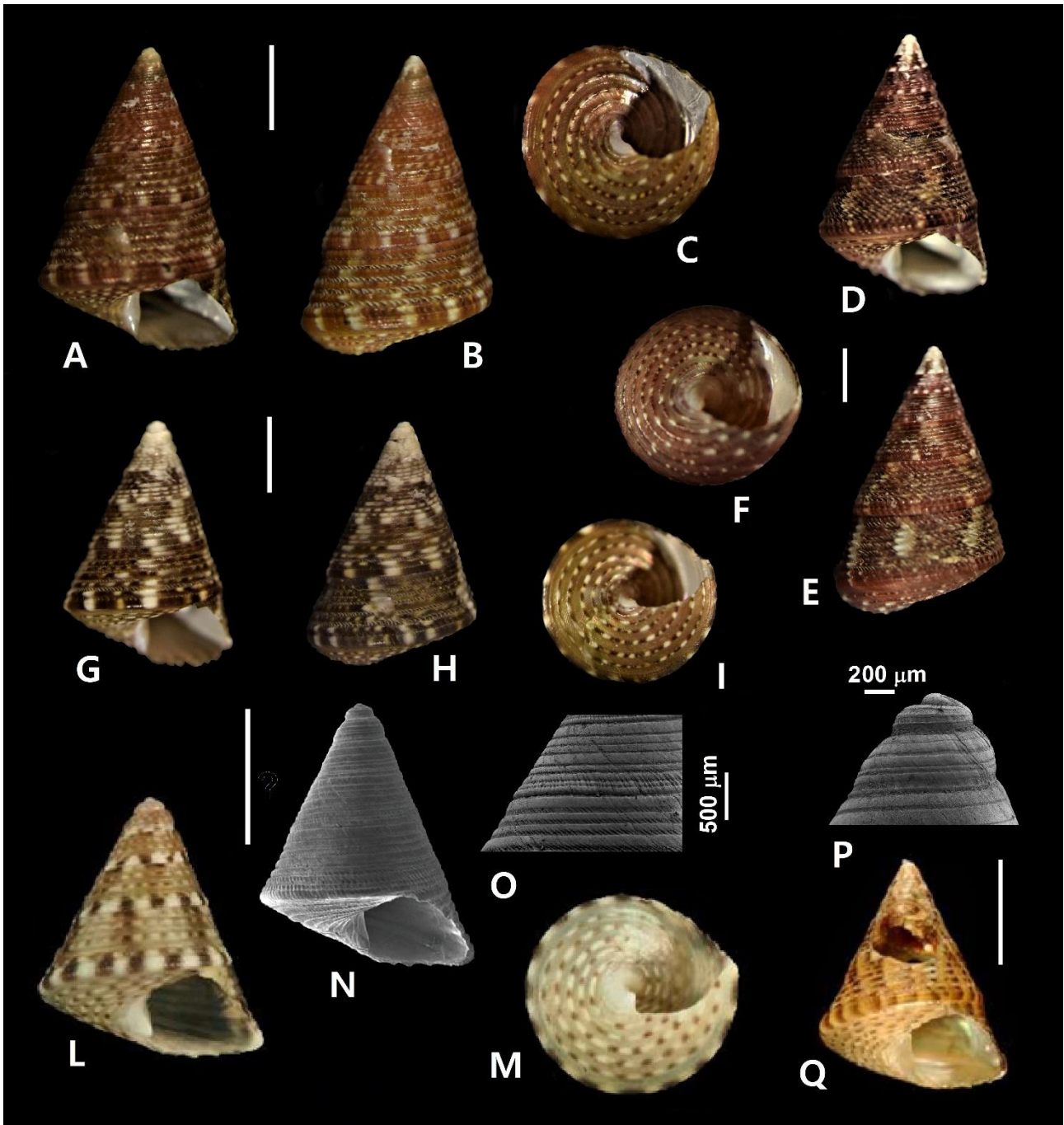


Figure S36 SSH X *Jujubinus kyrnos* Mariottini, Oliverio & Smriglio n. sp. A-C. *Jujubinus kyrnos*. Holotype MNHN-IM-00000 (ex MNHN-IM-2019-17191). 7.1 (H) X 5.0 (W) mm. Corsica Benthos, st. CB32. D-F. *Jujubinus kyrnos*. Paratype, MNHN-IM-00000 (ex MNHN-IM-2019-5397). 9.8 (H) X 6.0 (W) mm. Corsica Benthos, st. CF02. G-I. *Jujubinus kyrnos*. Paratype, MNHN-IM-00000 (ex MNHN-IM-2019-18126). 6.5 (H) X 4.9 (W) mm, Corsica Benthos, st. CB40. L-P. *Jujubinus kyrnos*. Paratype, MNHN-IM-00000 (ex BAU2858.2). 3.7 (H) X 3.2 (W) mm Playazo de Rodalquilar (36°51'28"N 2°00'06"W) (Spain) MED. Q. *Jujubinus kyrnos*. Paratype, MNHN-IM-2013-32869 (ex BAU2669.1). 4.2 (H) X 3.4 (W) mm. Cabo de Palos, Murcia (37°38'08.0"N 0°41'30.4"W) (Spain) MED. Bar length 2 mm.

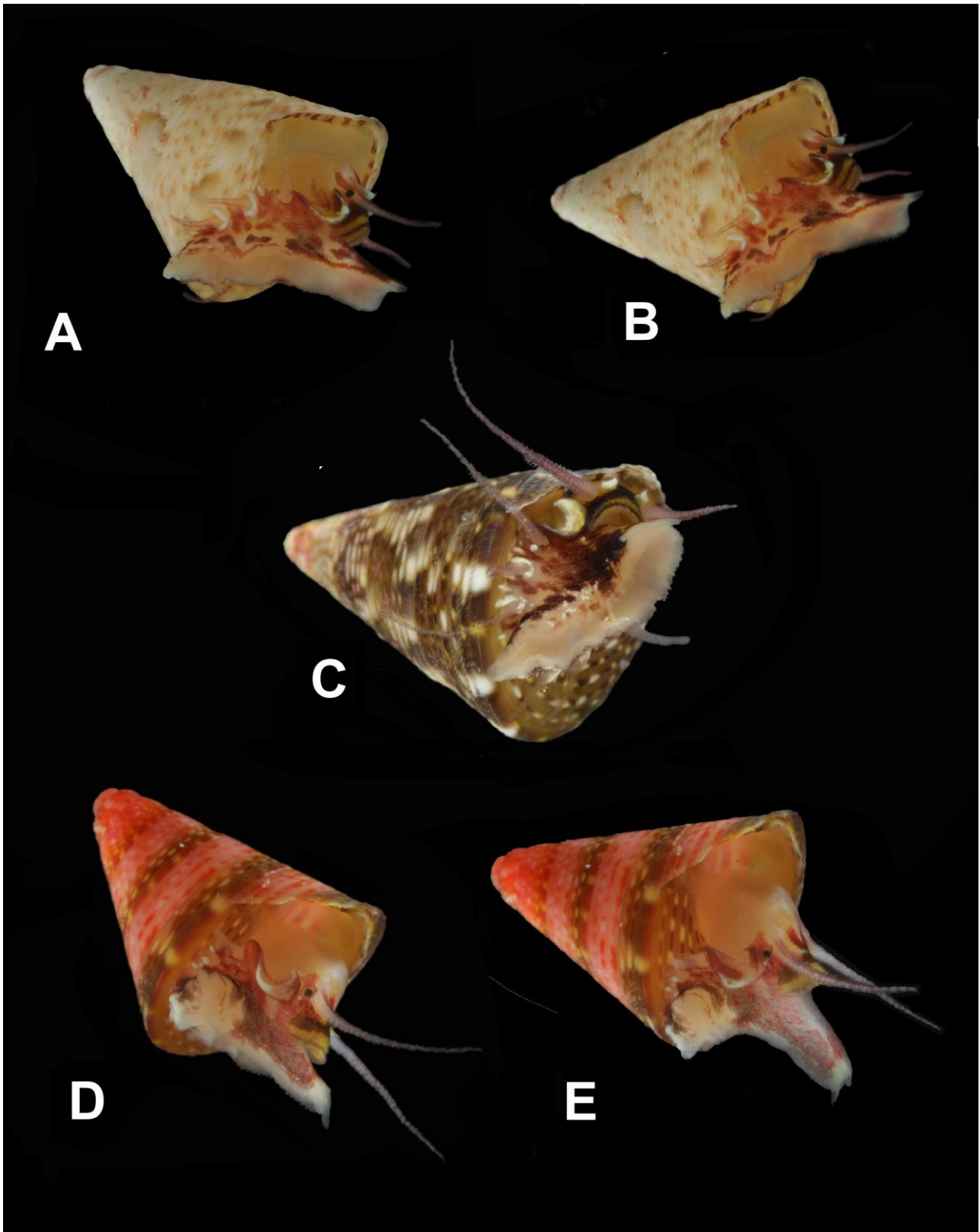


Figure S37 SSH X *Jujubinus kyrnos* Mariottini, Oliverio & Smriglio n. sp. A, B. Corsica, North of Gargalo Is., 42°22,3'N, 08°32,4'E, 26 m; Corsicabenthos Stn CB31, MNHN-IM-2019-17184. C. Corsica, Punta Muchillina, 42°20,1'N, 08°33,3'E, 10 m; Corsicabenthos Stn CB40, MNHN-IM-2019-18126. D, E. Corsica, North of Gargalo Is., 42°22,3'N, 08°32,4'E, 26 m; Corsicabenthos Stn CB31, MNHN-IM-2019-17281.

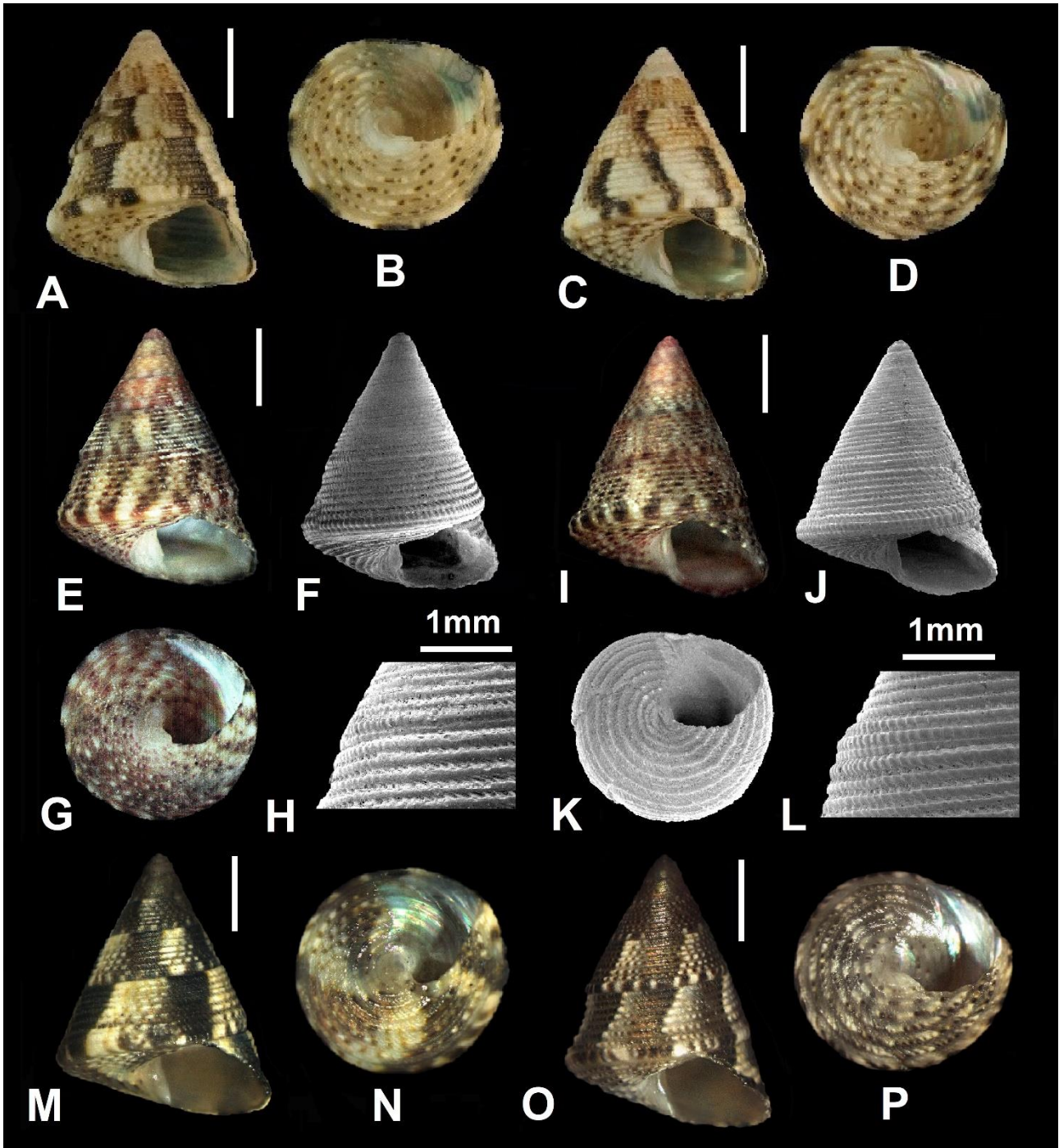


Figure S38. SSH XI *Jujubinus gofasi* Mariottini, Oliverio & Smriglio n. sp. **A,B.** *Jujubinus gofasi* n. sp. Holotype, BAU2075.1. 6.8 (H) X 5.5 (W) mm. Malaga (Spain). **C-D.** *Jujubinus gofasi* n. sp. Paratype 1, BAU2075.3. 5.8 (H) X 4.5 (W) mm. Malaga (Spain). **E-H.** *Jujubinus gofasi* n. sp. CS-PM. 6.7 (H) X 5.5 (W) mm. Almeria (Spain). **I-L.** *Jujubinus gofasi* n. sp. CS-PM. 6.6 (H) X 5.3 (W) mm. Almeria (Spain). **M,N.** *Jujubinus gofasi* n. sp. CS-PM. 6.7 (H) X 5.4 (W) mm. Almeria (Spain). **O,P.** *Jujubinus gofasi* n. sp. CS-PM. 6.7 (H) X 5.1 (W) mm. Almeria (Spain). Scale bar 2 mm, unless otherwise specified.

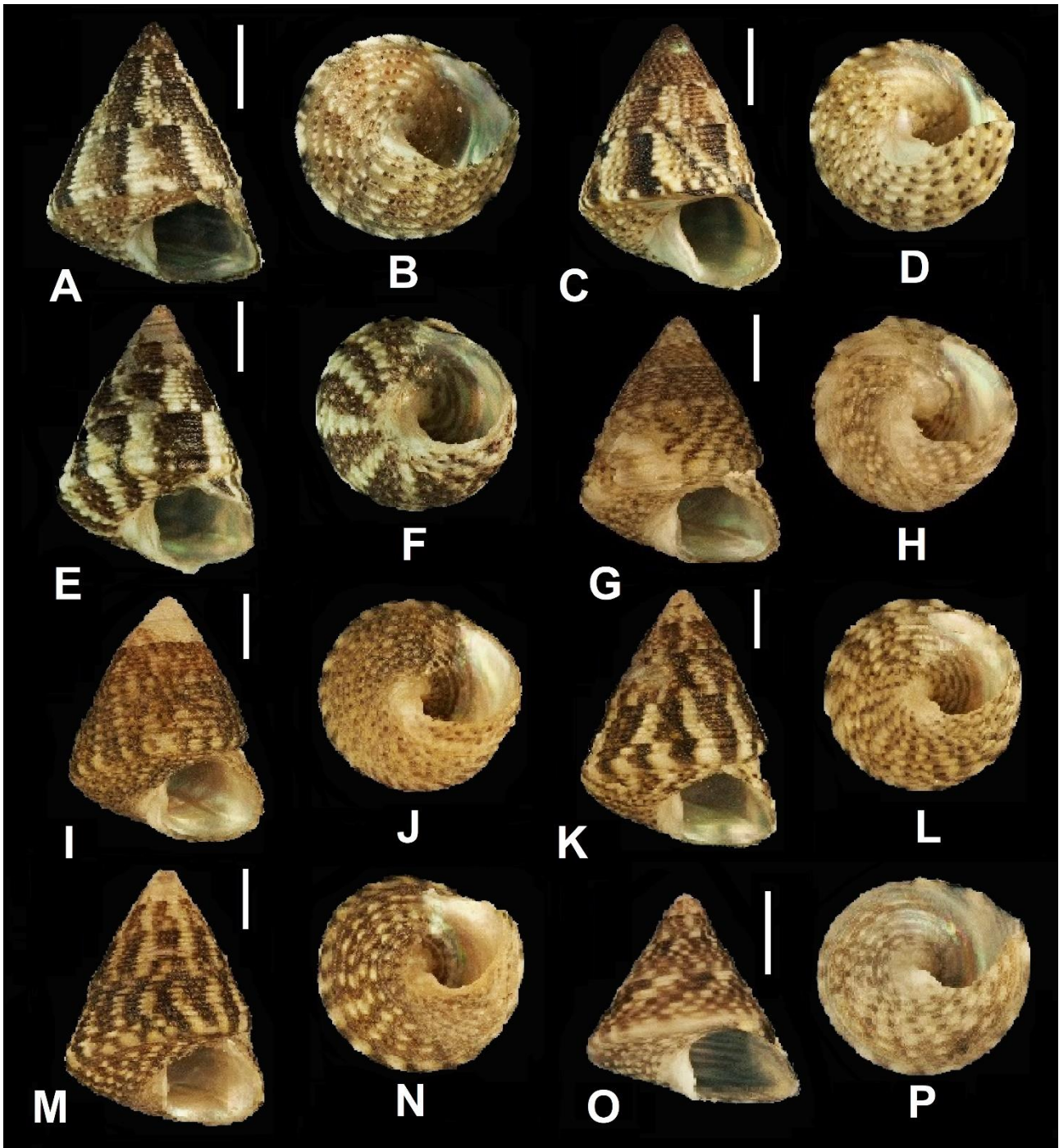


Figure S39. SSH XI *Jujubinus gofasi* Mariottini, Oliverio & Smriglio n. sp. **A,B.** *Jujubinus gofasi* n. sp. Paratype 2, BAU2066.3. 6.4 (H) X 5.4 (W) mm. Baie de Launay, Brittany (France). **C,D.** *Jujubinus gofasi* n. sp. Paratype 3, BAU2066.5. 6.8 (H) X 4.9 (W) mm. Baie de Launay, Brittany (France). **E,F.** *Jujubinus gofasi* n. sp. Paratype 4, BAU2068.2. 7.8 (H) X 5.8 (W) mm. Baie de Launay, Brittany (France). **G,H.** *Jujubinus gofasi* n. sp. BAU2662.2. 7.5 (H) X 6.0 (W) mm. Baie de Launay, Brittany (France). **I,J.** *Jujubinus gofasi* n. sp. BAU2662.3. 7.5 (H) X 6.0 (W) mm. Baie de Launay, Brittany (France). **K,L.** *Jujubinus gofasi* n. sp. BAU2662.4. 8.8 (H) X 6.4 (W) mm. Baie de Launay, Brittany (France). **M,N.** *Jujubinus gofasi* n. sp. BAU2662.1. 8.2 (H) X 6.8 (W) mm. Baie de Launay, Brittany (France). **O,P.** *Jujubinus gofasi* n. sp. BAU2659.4. Juvenile, 4.9 (H) X 4.3 (W) mm. Baie de Launay, Brittany (France). Scale bar 2 mm.

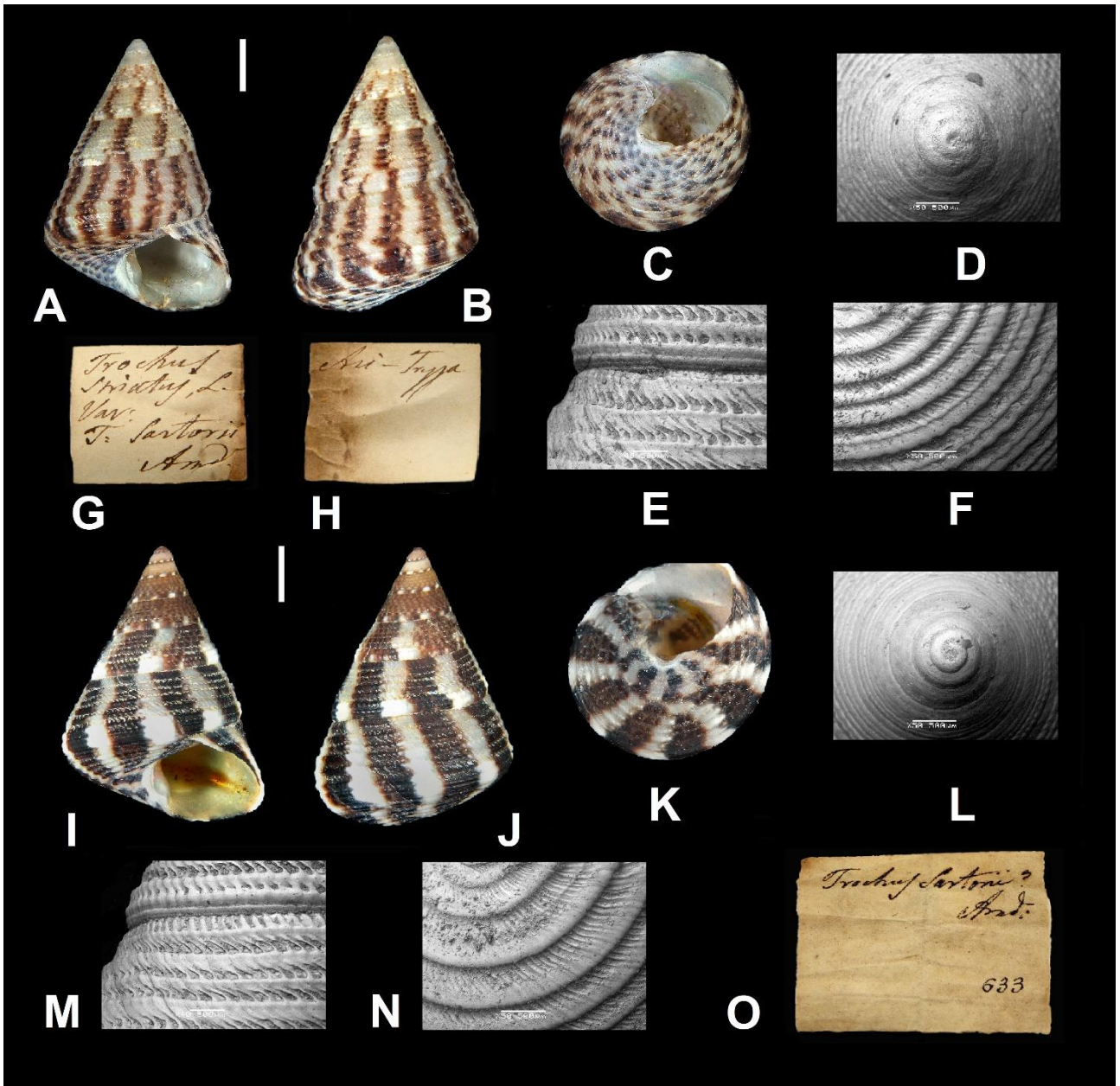


Figure S40. SSH XII *Jujubinus sartorii* Aradas & Maggiore, 1840. **A-F.** *Trochus sartorii*. Syntype, MSNM Mo28763. 10.3 X 7.1 mm. Acitrezza, Sicily (Italy). **G,H** Original labels by Aradas. **I-N.** *Trochus sartorii*. Syntype, MSNM Mo28771. 9.4 X 7.0 mm. Acitrezza, Sicily (Italy). **O.** Original label by Aradas. Scale bar 2 mm, unless otherwise specified.

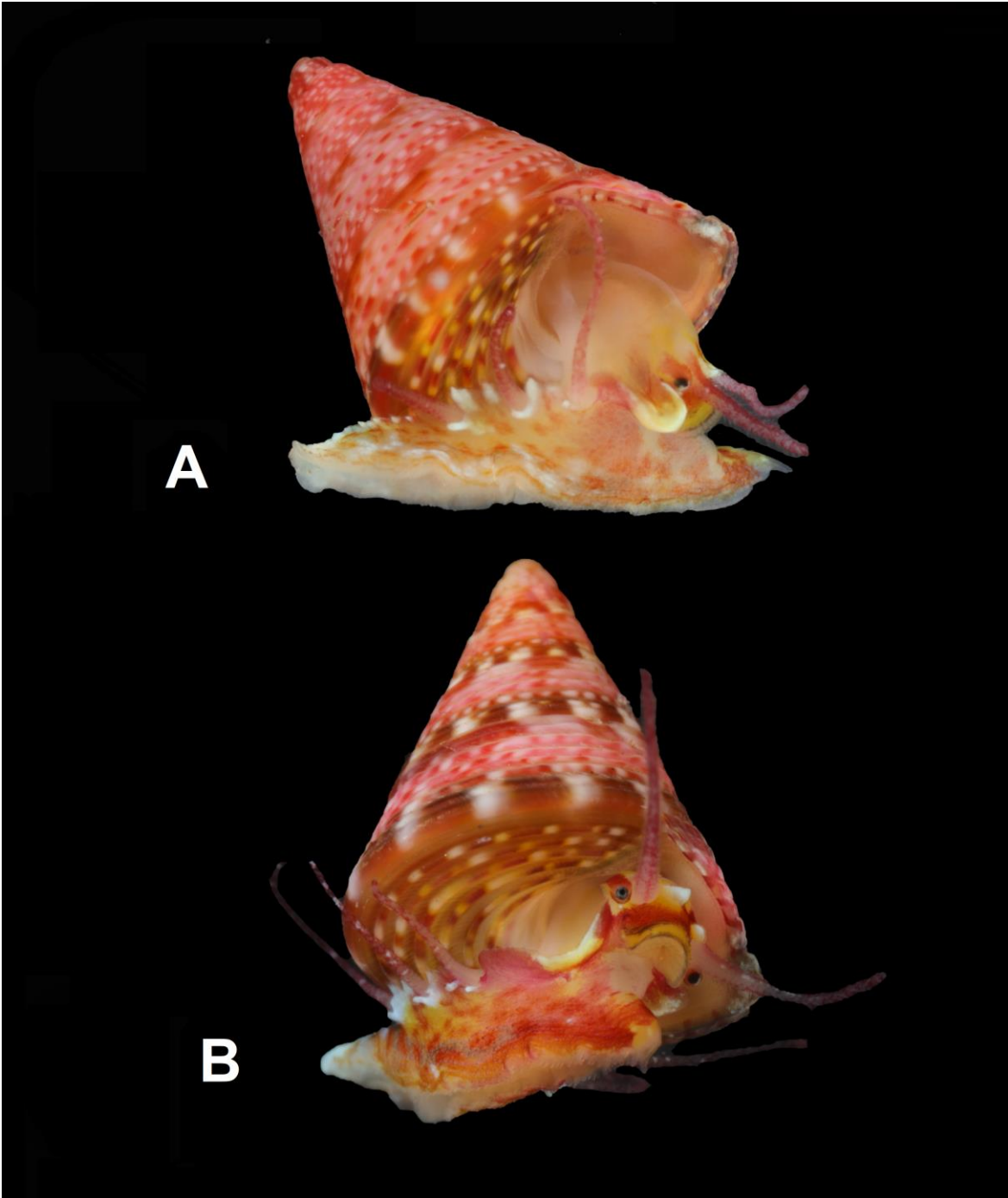


Figure S41. SSH XII *Jujubinus sartorii* Aradas & Maggiore, 1840. A. Corsica, 41°20,4'N, 09°10,8'E, 42 m, MNHN-IM-2019-14585. B. Corsica, 41°20,4'N, 09°10,8'E, 42 m, MNHN-IM-2019-14586



Figure S42. SSH XII *Jujubinus sartorii* Aradas & Maggiore, 1840. A-F. *Trochus sartorii*. Syntype, RUC. 10.2 X 7.0 mm. Acitrezza, Sicily (Italy). G. Original label by Aradas. H. Original label of the Istituto Zoologico, Regia Università di Catania. I-K. *Jujubinus goniobasis*. Syntype, fide Monterosato, MCZR 11728. 11.8 (H) X 7.4 (W) mm. Velirat (Croatia). L. Original label by Monterosato. M,N. *Jujubinus sartorii*. BAU 2676.1. 7.7 (H) X 5.6 (W) mm. Marsalforn, Xwejni Bay (36°04'48.62"N 14°14'50.80"E), Gozo Is. (Malta). On *P. oceanica*, 10 m depth. O,P. *Jujubinus sartorii*. BAU 2676.2. 7.2 (H) X 4.7 (W) mm. Marsalforn, Xwejni Bay (36°04'48.62"N 14°14'50.80"E), Gozo Is. (Malta). On *P. oceanica*, 10 m depth. Scale bar 2 mm, unless otherwise specified.

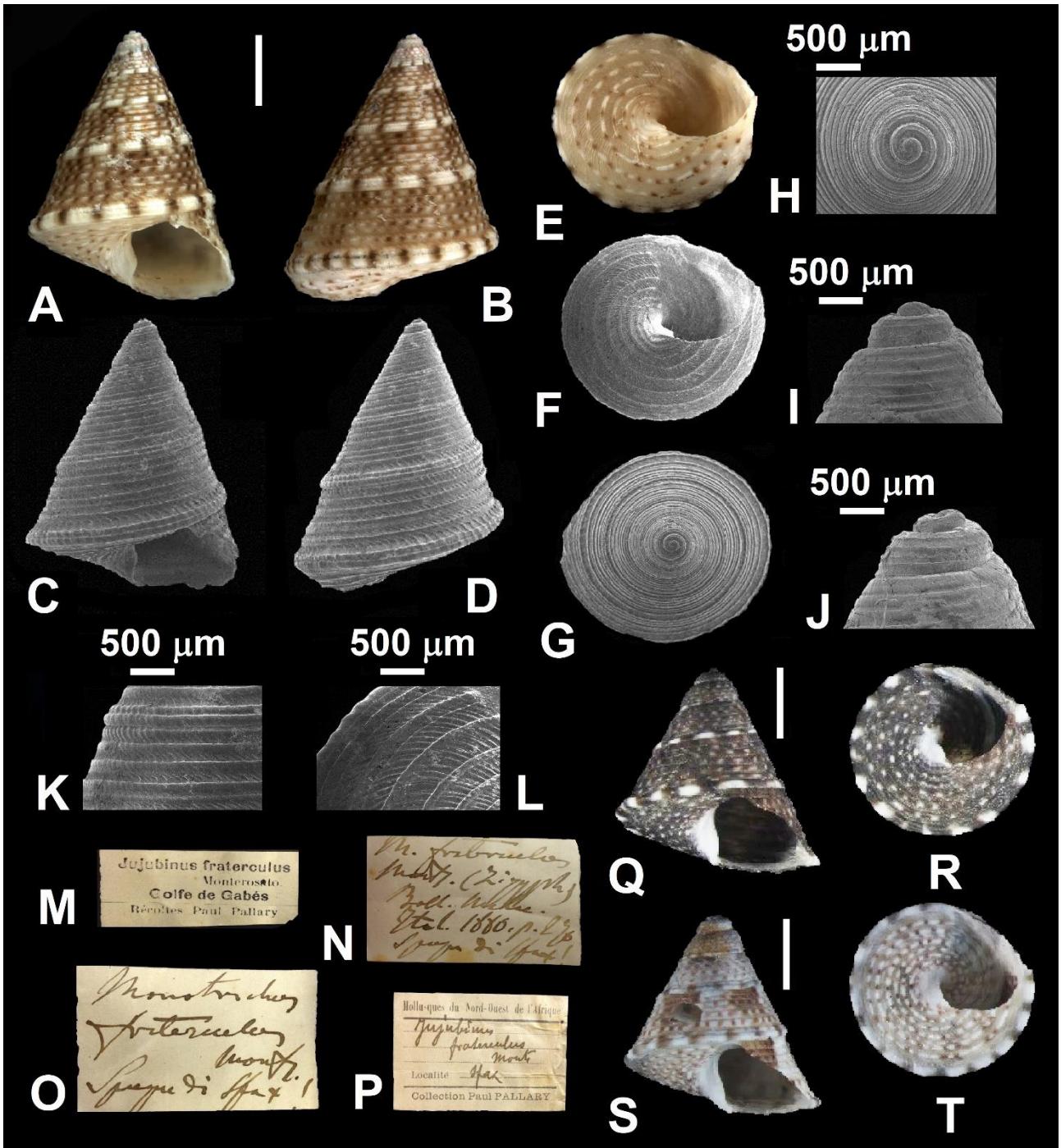


Figure S43. SSH XIII *Jujubinus fraterculus* Monterosato, 1880. **A-L.** *Jujubinus fraterculus*. MCZR-M-11705L, lectotype. 7.0 (H) X 5.3 (W) mm. Sfax, Gulf of Gabès (Tunisia). **M-P.** Monterosato's original labels. **Q,R.** *Jujubinus fraterculus*. BAU2311.1. 3.2 (H) X 2.8 (W) mm. Cherguils, Tunis (Tunisia). **S,T.** *Jujubinus fraterculus*. BAU2314.4. 4.0 (H) X 3.9 (W) mm. Gharbyls sidi Youssef, Tunis (Tunisia). Scale bar 2 mm, unless otherwise specified.

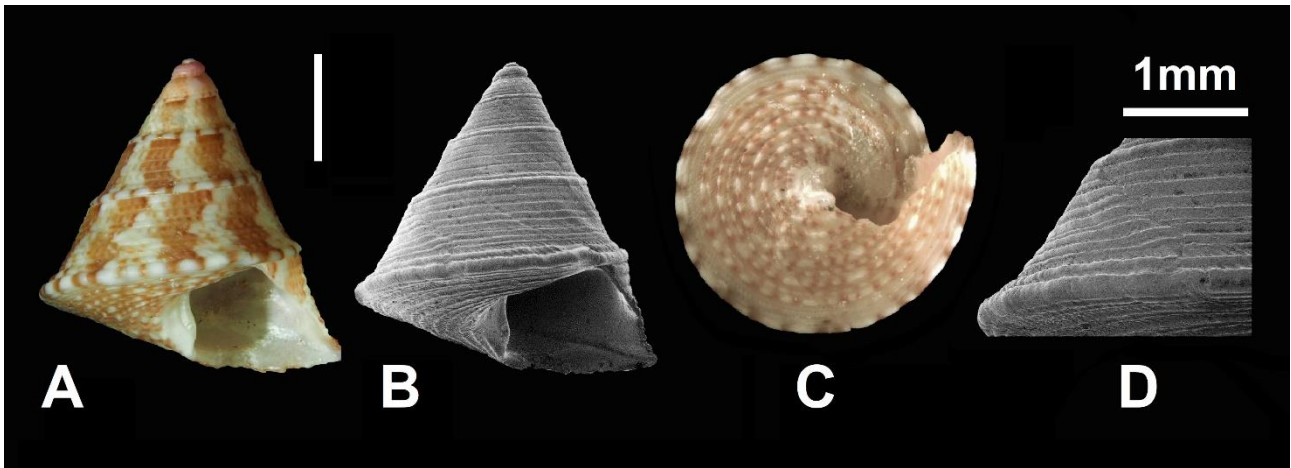


Figure S44. SSH XIII *Jujubinus fraterculus* Monterosato, 1880. **A-D.** *Jujubinus fraterculus*. CS-PM. 5.4 (H) X 4.4 (W) mm. Borj El Hsar (34°42'38"N 11°09'04"E), Kerkennah Is. (Tunisia). Beached. Scale bar 2 mm, unless otherwise specified

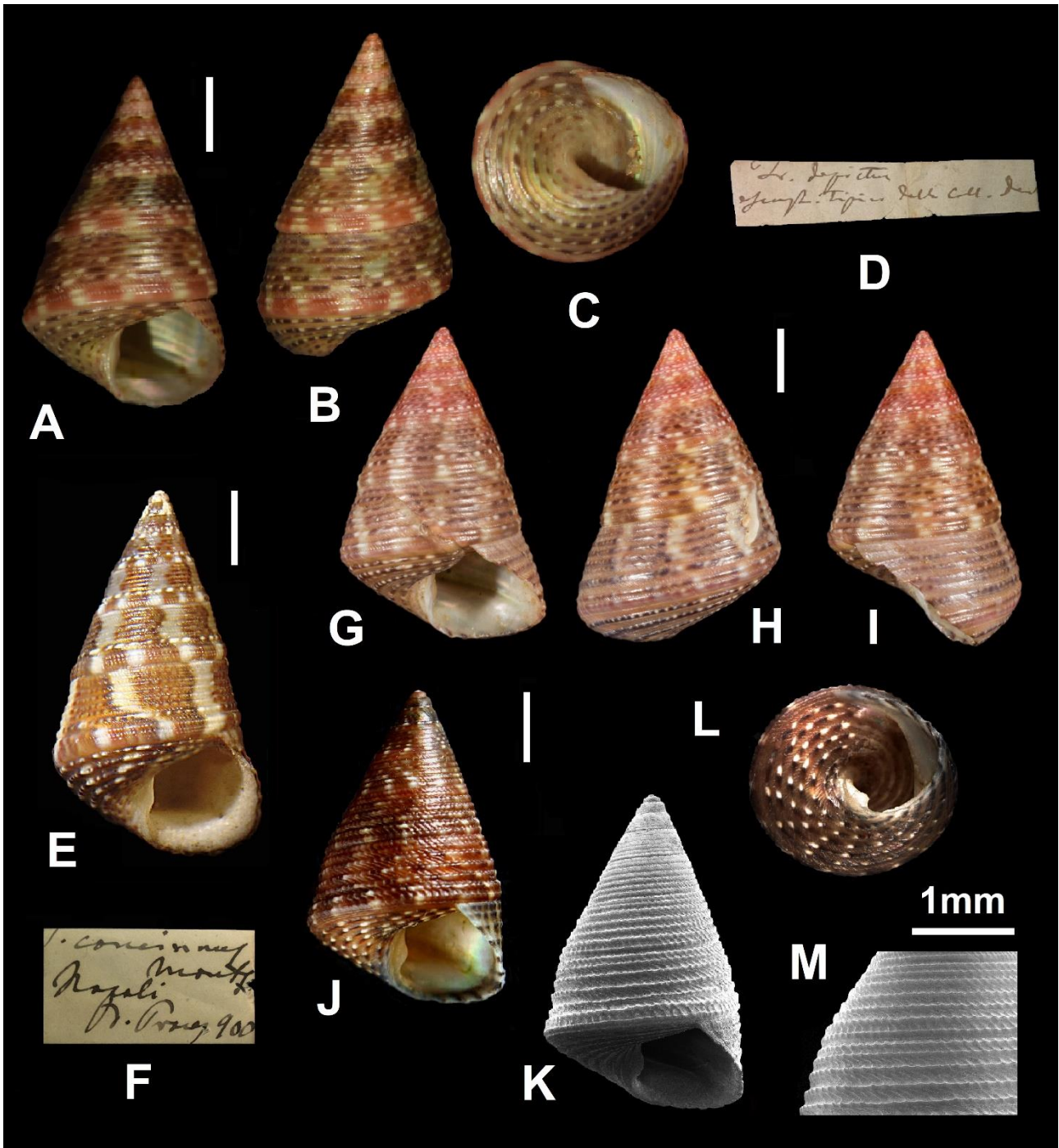


Figure S45. SSH XIV *Jujubinus depictus* (Deshayes, 1835). **A-C.** *Jujubinus depictus*. MCZR-M-11682/P, syntype. 9.7 (H) X 5.9 (W) mm. Morea (Greece). **D.** *Jujubinus depictus*. Monterosato's original label. **E.** *Jujubinus concinnus*. MCZR. 9.1 (H) X 5.2 (W) mm. Naples (Italy). **F.** Monterosato's label. **G-I.** *Jujubinus depictus*. MNHN-IM-2000-31122, syntype. 9.9 (H) X 6.0 (W) mm. Morea (Greece). **J-M.** *Jujubinus depictus*. CS-PM. 8.2 (H) X 5.4 (W) mm. Giannutri Is. (42°15'07.05"N 11°05'31.51"E), Tuscany (Italy). On *P. oceanica*, 20 m depth. Scale bar 2 mm, unless otherwise specified.

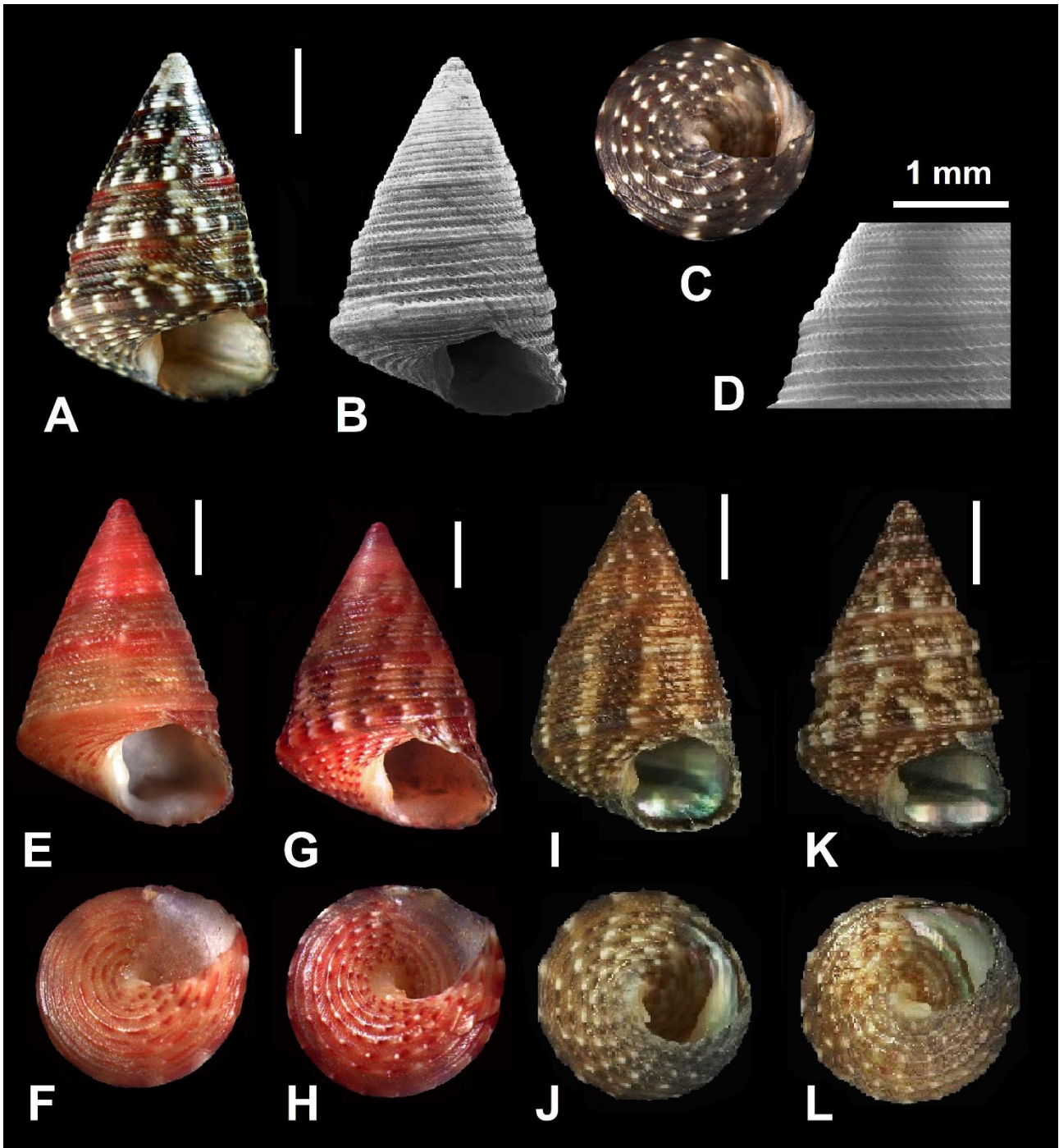


Figure S46. SSH XIV *Jujubinus depictus* (Deshayes, 1835). **A-D.** *Jujubinus depictus*. CS-PM. 7.9 (H) X 5.2 (W) mm. Giannutri Is. (42°15'07.05"N 11°05'31.51"E), Tuscany (Italy). On *P. oceanica*, 20 m depth. **E,F.** *Jujubinus depictus*. CS-PM. 7.9 (H) X 5.8 (W) mm. Torre Valdaliga (42°08'48.28"N 11°44'03.44"E), Latium (Italy). On sediment, 25 m depth. **G,H.** *Jujubinus depictus*. CS-PM. 8.5 (H) X 6.1 (W) mm. Torre Valdaliga (42°08'48.28"N 11°44'03.44"E), Latium (Italy). On sediment, 25 m depth. **I,J.** *Jujubinus depictus*. BAU1793.2. 8.9 (H) X 5.7 (W) mm. Giannutri Is. (42°15'7.05"N 11°05'31.51"E), Tuscany (Italy). On *P. oceanica*, 10 m depth. **K,L.** *Jujubinus depictus*. BAU1793.4. 8.5 (H) X 5.6 (W) mm. Giannutri Is. (42°15'7.05"N 11°05'31.51"E), Tuscany (Italy). On *P. oceanica*, 10 m depth. Scale bar 2 mm, unless otherwise specified.

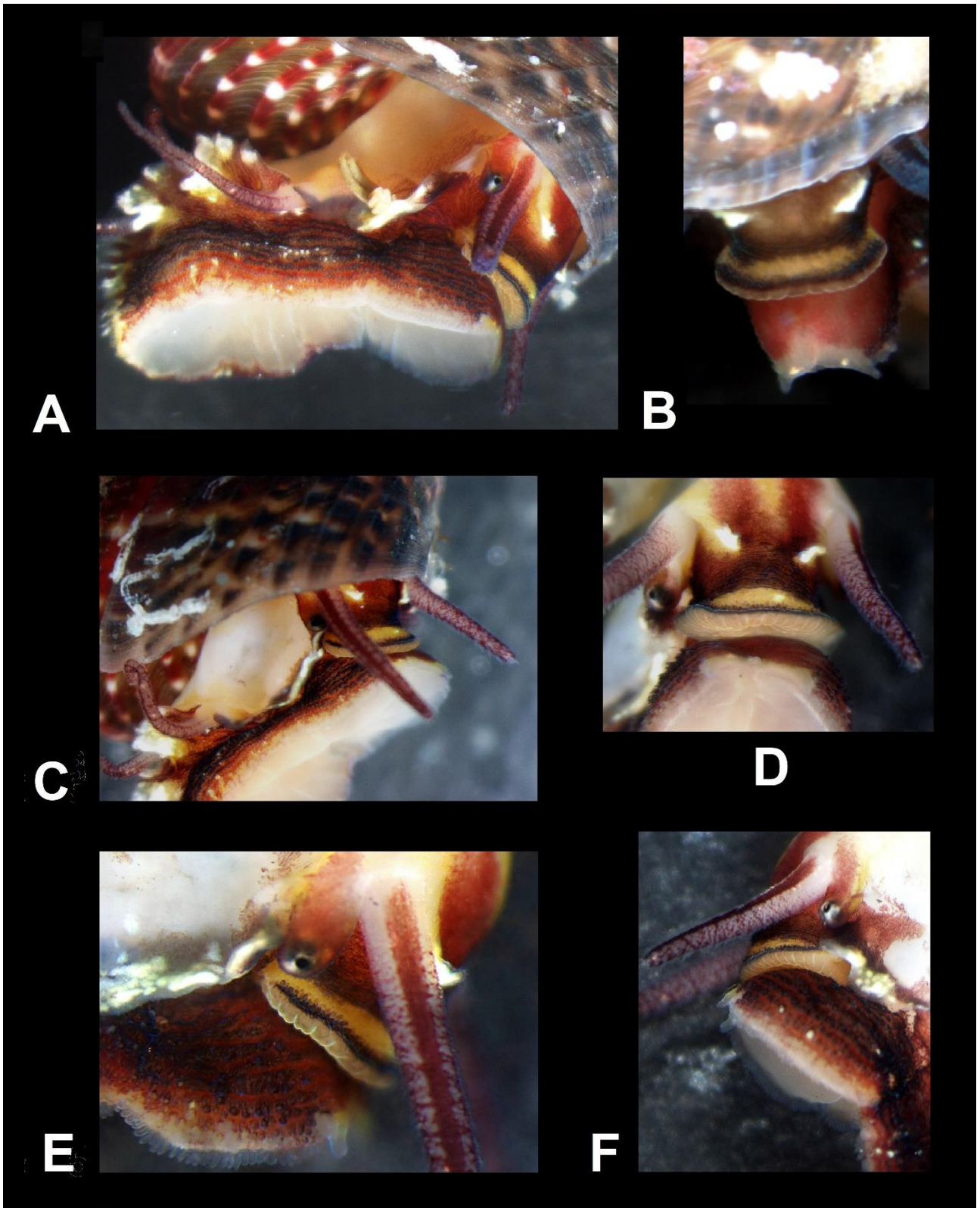


Figure S47. SSH XIV *Jujubinus depictus* (Deshayes, 1835). A-F. *Jujubinus depictus*. CS-PM. Giannutri Is. (42°15'07.05"N 11°05'31.51"E, Tuscany (Italy)). On *P. oceanica*, 10 m depth. Ex 1: 7.9 (H) X 5.3 (W) mm.

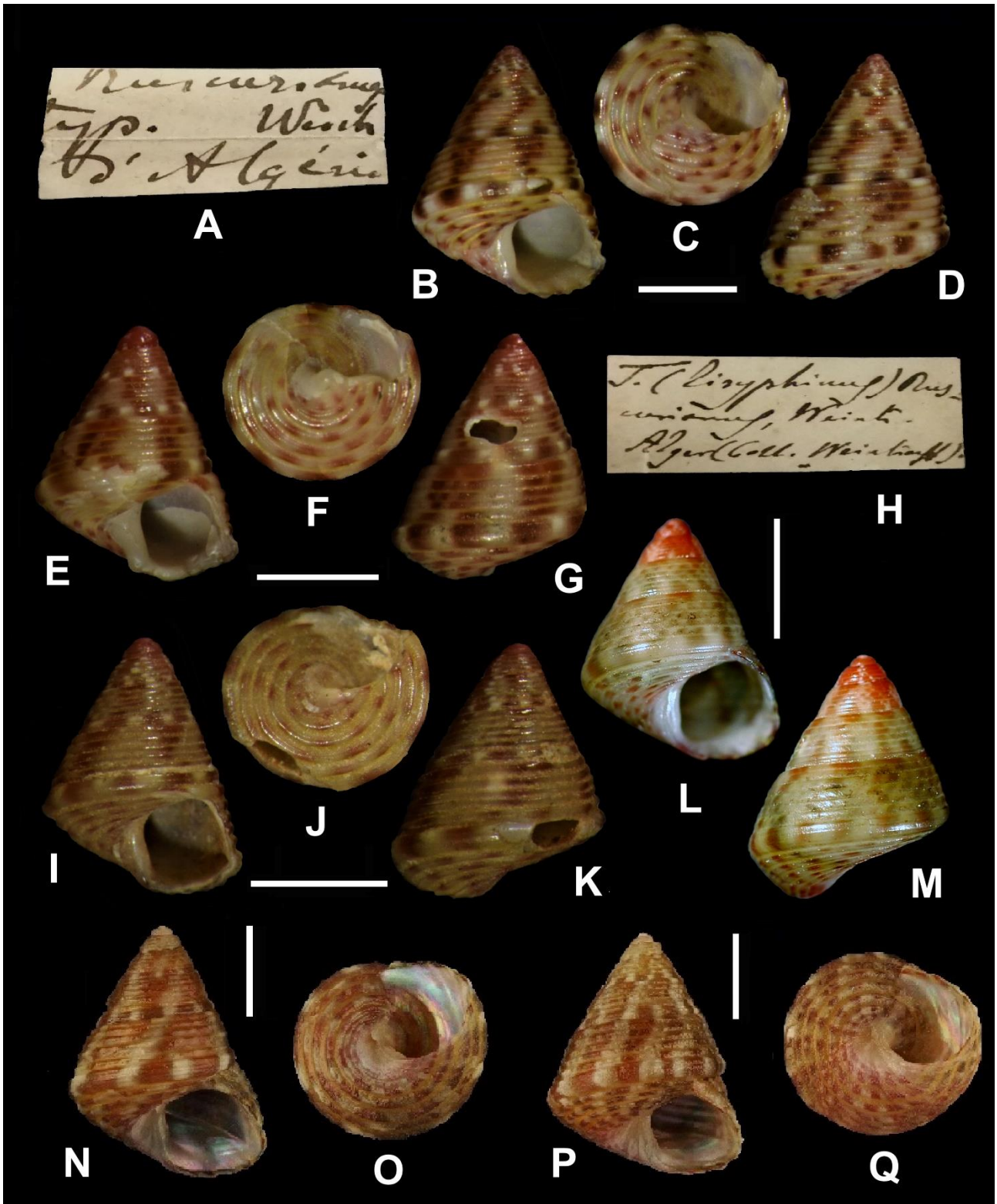


Figure S48. SSH XV *Jujubinus ruscurianus* (Weinkauff, 1868). **A.** Monterosato's original label. **B-D.** *Jujubinus ruscurianus*. Syntype MCZR-M-11780/S, ex Weinkauff. 5.2 (H) X 4.0 (W) mm. Port of Algiers, Oran (Algeria). **E-G.** *Jujubinus ruscurianus*. Syntype MCZR-M-11780/S, ex Weinkauff. 4.3 (H) X 3.7 (W) mm. Port of Algiers, Oran (Algeria). **H.** Monterosato's original label. **I-K.** *Jujubinus ruscurianus*. Syntype MCZR-M-11780/S, ex Weinkauff. 3.8 (H) X 3.0 (W) mm. Port of Algiers, Oran (Algeria). **L,M.** *Jujubinus ruscurianus*. CS-PM. 4.0 (H) X 3.4 (W) mm. Malaga (Spain). Beached. **N,O.** *Jujubinus ruscurianus*. BAU2664.3. 5.6 (H) X 4.3 (W) mm. Benalmadena, Malaga (Spain), MED. **P,Q.** *Jujubinus ruscurianus*. BAU2664.4. 5.5 (H) X 4.5 (W) mm. Benalmadena, Malaga (Spain), MED. Scale bar 2 mm.

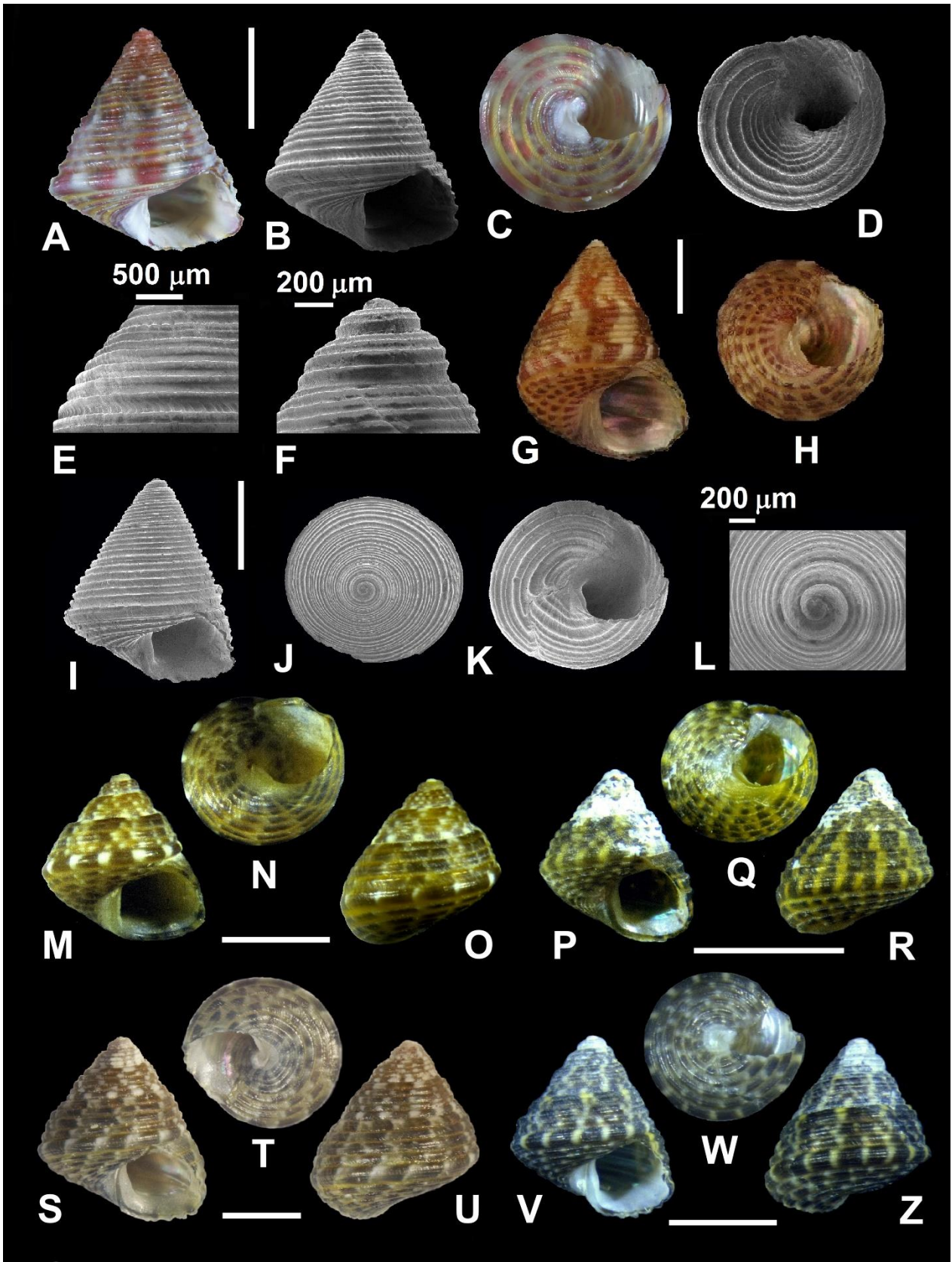


Figure S49. SSH XV *Jujubinus ruscurianus* (Weinkauff, 1868). **A-F.** *Jujubinus ruscurianus*. BAU2858.1. 4.5 (H) X 3.8 (W) mm. Payazo De Rodalquilar (Spain). **G,H.** *Jujubinus ruscurianus*. BAU2664.2. 5.7 (H) X 4.7 (W) mm. Benalmadena, Malaga (Spain). **I-L.** *Jujubinus ruscurianus*. Syntype MCZR-M-11780/S, ex Weinkauff. 5.2 (H) X 4.0 (W) mm. Port of Algiers, Oran (Algeria). **SEM.** **M-O.** Paratype of *Jujubinus guanchus*. MCG. 3.2 (H) X 3.0 (W) mm. Harbour of Arrecife (28°57' N, 13°32' W), Lanzarote, Canary Islands (Spain). **P-Q.** *Jujubinus guanchus*. BAU3771. 2.3 (H) X 2.0 (W) mm. Playa de Matagorda, (28°55'56"N, 13°36'47"W), Lanzarote, Canary Islands (Spain). Low tide. **S-U.** *Jujubinus guanchus*. CS-PM. 4.8 (H) X 4.3 (W) mm. El Cotillo (28°43'40.37"N, 13°51'0.09"W), Fuerteventura, Canary Islands (Spain). Low tide. **W-X.** *Jujubinus guanchus*. MO. 3.1 (H) X 2.7 (W) mm. La santa (29°06'54"N, 13°39'35"W), Lanzarote, Canary Islands (Spain). Intertidal algal washing. Scale bar 2 mm, unless otherwise specified.

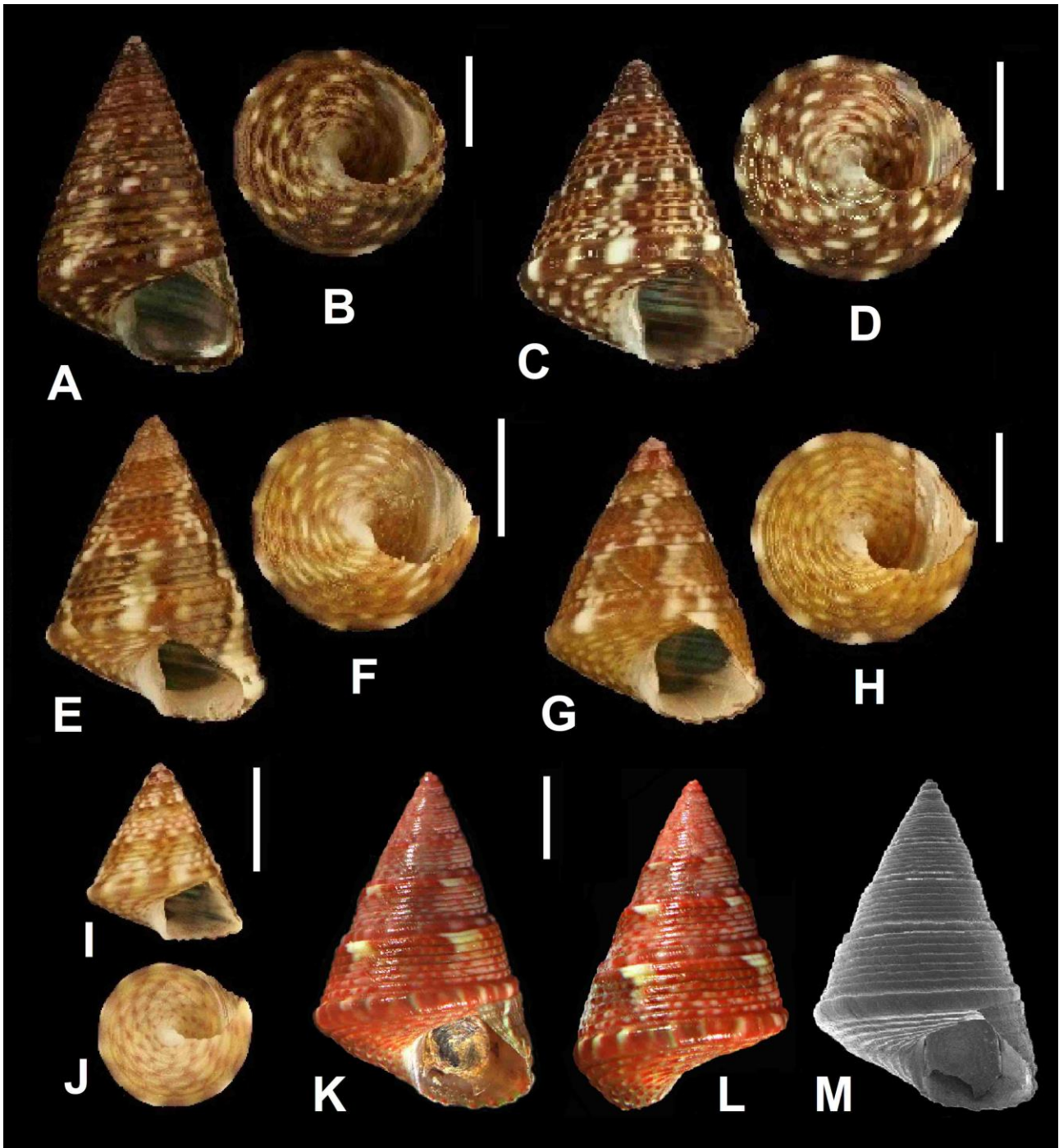


Figure S50. SSH XVI *Jujubinus daniensis* Mariottini, Oliverio & Smriglio n. sp. **A,B.** *Jujubinus daniensis*. Holotype MNHN IM 2000-30318 (ex BAU2667.5). 7.5 (H) X 5.0 (W) mm Giannutri Is. (42°15'07.05"N 11°05'31.51"E), Tuscany (Italy). On *Cystoseira mediterranea*, 14 m depth. **C,D.** *Jujubinus daniensis*. Paratype 1, MNHN IM 2000-30319 (ex BAU2669.1). 4.9 (H) X 4.0 (W) mm. Giannutri Is. (42°15'07.05"N 11°05'31.51"E), Tuscany (Italy). On *Cystoseira mediterranea*, 14 m depth. **E,F.** *Jujubinus daniensis*. Paratype 2, MZB60155 (ex BAU2359.4). 5.1 (H) X 3.6 (W) mm. Giannutri Is. (42°15'07.05"N 11°05'31.51"E), Tuscany (Italy). On *Cystoseira mediterranea*, 14 m depth. **G,H.** *Jujubinus daniensis*. Paratype 3, MZB60156 (ex BAU2359.5). 4.1 (H) X 3.1 (W) mm. Giannutri Is. (42°15'07.05"N 11°05'31.51"E), Tuscany (Italy). On *Cystoseira mediterranea*, 14 m depth. **I,J.** *Jujubinus daniensis*. Paratype 4, BAU2359.6. 3.5 (H) X 3.2 (W) mm. Giannutri Is. (42°15'07.05"N 11°05'31.51"E), Tuscany (Italy). On *Cystoseira mediterranea*, 14 m depth. **K-M.** *Jujubinus daniensis*. Paratype 5, (CS.PM). 7.9 (H) X 5.2 (W) mm. Giannutri Is. (42°15'07.05"N 11°05'31.51"E), Tuscany (Italy). On *Cystoseira mediterranea*, 14 m depth. Scale bar 2 mm.

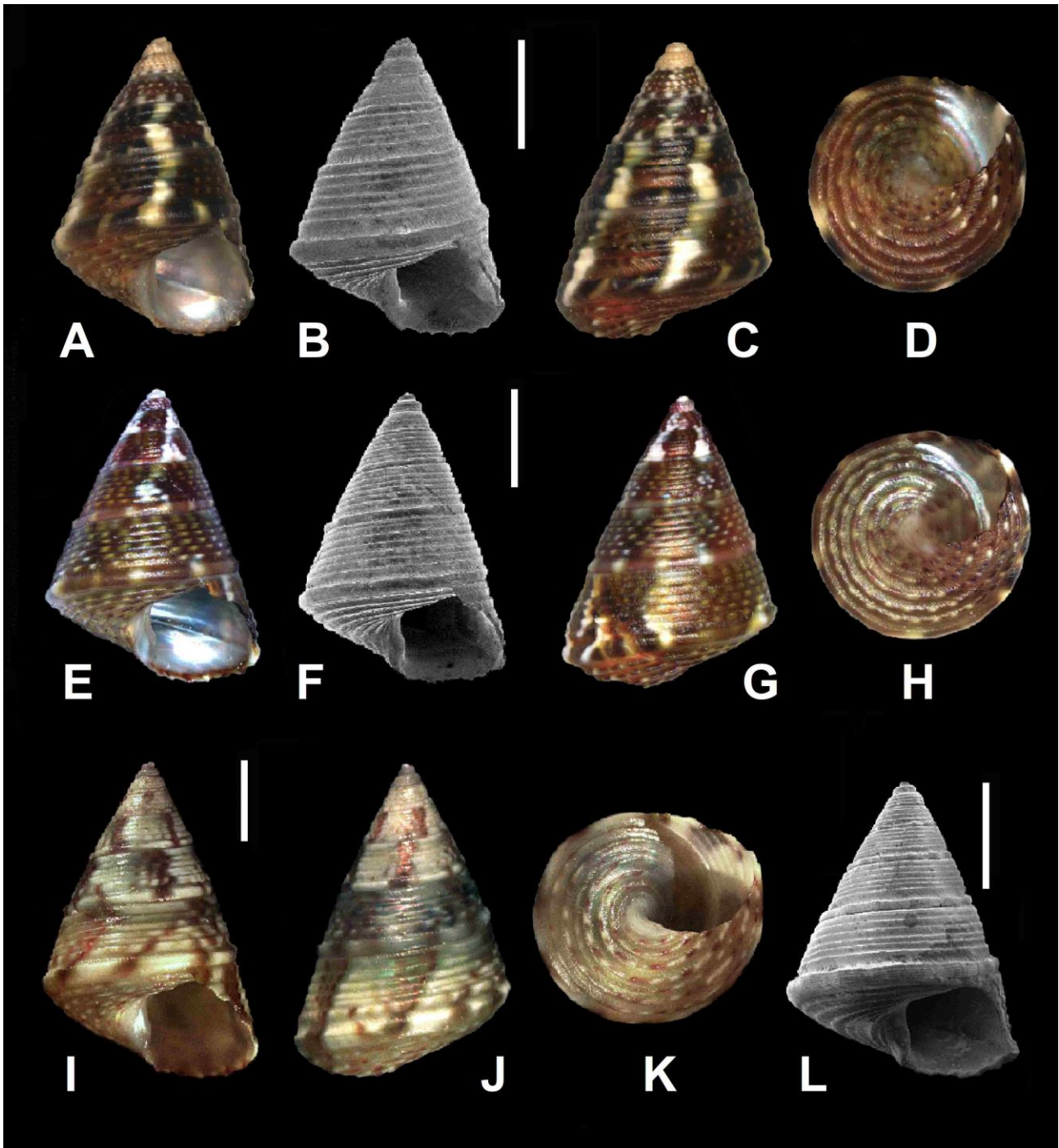


Figure S51. SSH XVI *Jujubinus daniensis* Mariottini, Oliverio & Smriglio n. sp. **A-D.** *Jujubinus daniensis*. Paratype 6, MCZR-M-00223a. 5.4 (H) X 3.7 (W) mm. Giannutri Is. (42°15'07.05"N 11°05'31.51"E), Tuscany (Italy), 10 m depth, collected alive on *Cystoseira mediterranea*. **E-H.** *Jujubinus daniensis*. Paratype 7, CS-PM. 6.1 (H) X 4.5 (W) mm. Giannutri Is. (42°15'07.05"N 11°05'31.51"E), Tuscany (Italy). On *Cystoseira mediterranea*, 14 m depth. **I-K.** *Jujubinus daniensis*. Paratype 8, CS-PM. 8.0 (H) X 5.5 (W) mm. Giannutri Is. (42°15'07.05"N 11°05'31.51"E), Tuscany (Italy). On *Cystoseira mediterranea*, 20 m depth. **L.** *Jujubinus daniensis*. Paratype 9, CS-PM 5.7 (H) X 4.3 (W) mm. Giannutri Is. (42°15'07.05"N 11°05'31.51"E), Tuscany (Italy). On *Cystoseira mediterranea*, 14 m depth. Scale bar 2 mm.

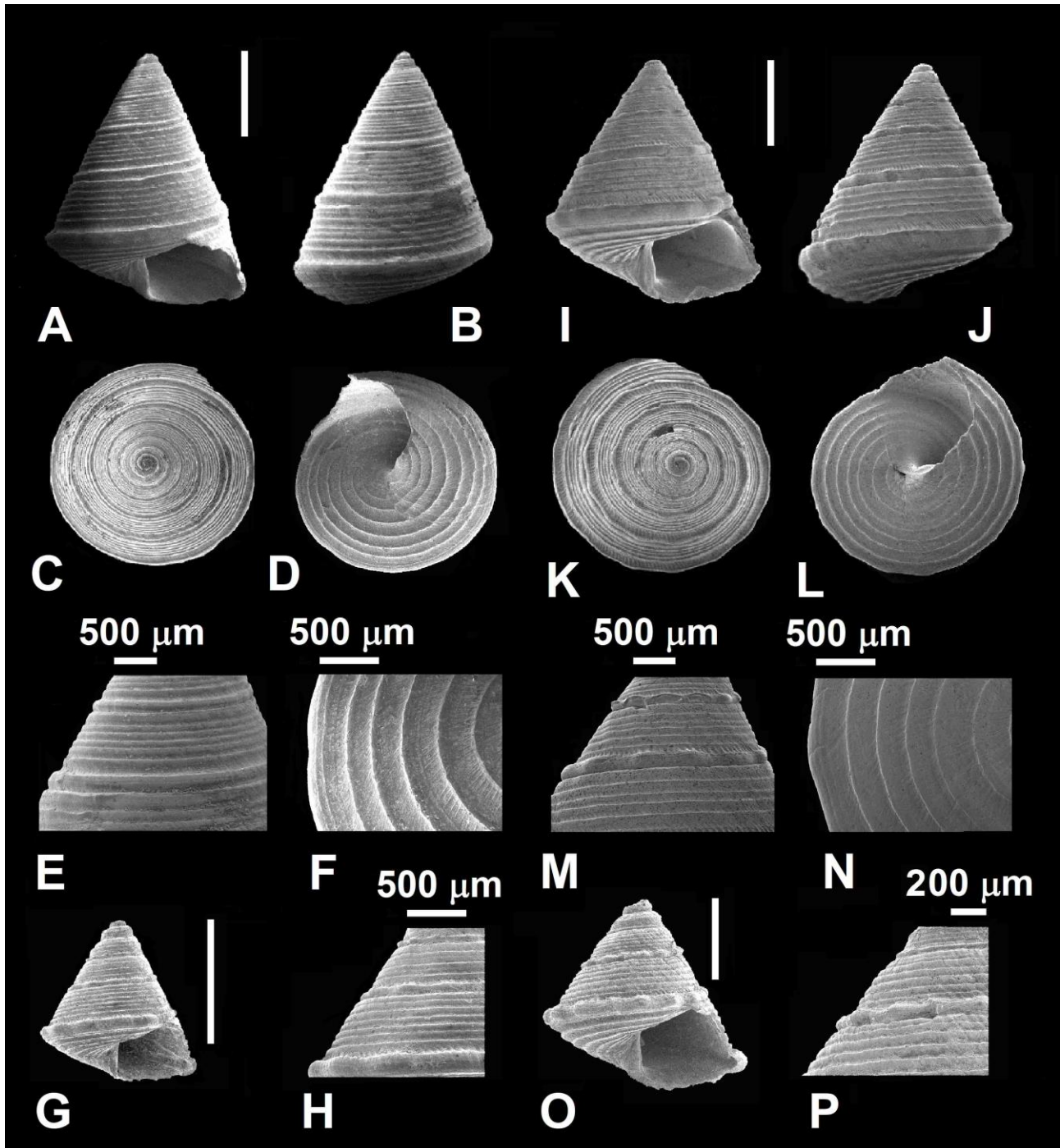


Figure S52. SSH XVI *Jujubinus dianiensis* Mariottini, Oliverio & Smriglio n. sp. **A-F.** *Jujubinus dianiensis*. Paratype 10, CS-PM. 6.0 (H) X 4.3 (W) mm. Giannutri Is., 42°15'7.05"N 11° 5'31.51"E, Tuscany (Italy). On *Cystoseira mediterranea*, 10 m depth. **G,H.** *Jujubinus dianiensis*. Paratype 11, CS-PM. 5.2 (H) X 5.1 (W) mm. Giannutri Is., 42°15'7.05"N 11° 5'31.51"E, Tuscany (Italy). On sediment, 10 m depth. **I-N.** *Jujubinus gravinae*. CS-PM. 5.6 (H) X 5.0 (W) mm. Giannutri Is. (42°15'07.05"N 11°05'31.51"E), Tuscany (Italy). On *Cystoseira mediterranea*, 10 m depth. **O,P.** *Jujubinus gravinae*. CS-PM. 4.6 (H) X 4.9 (W) mm. Giannutri Is. (42°15'07.05"N 11°05'31.51"E), Tuscany (Italy). On sediment, 10 m depth. Scale bar 2 mm, unless otherwise specified.

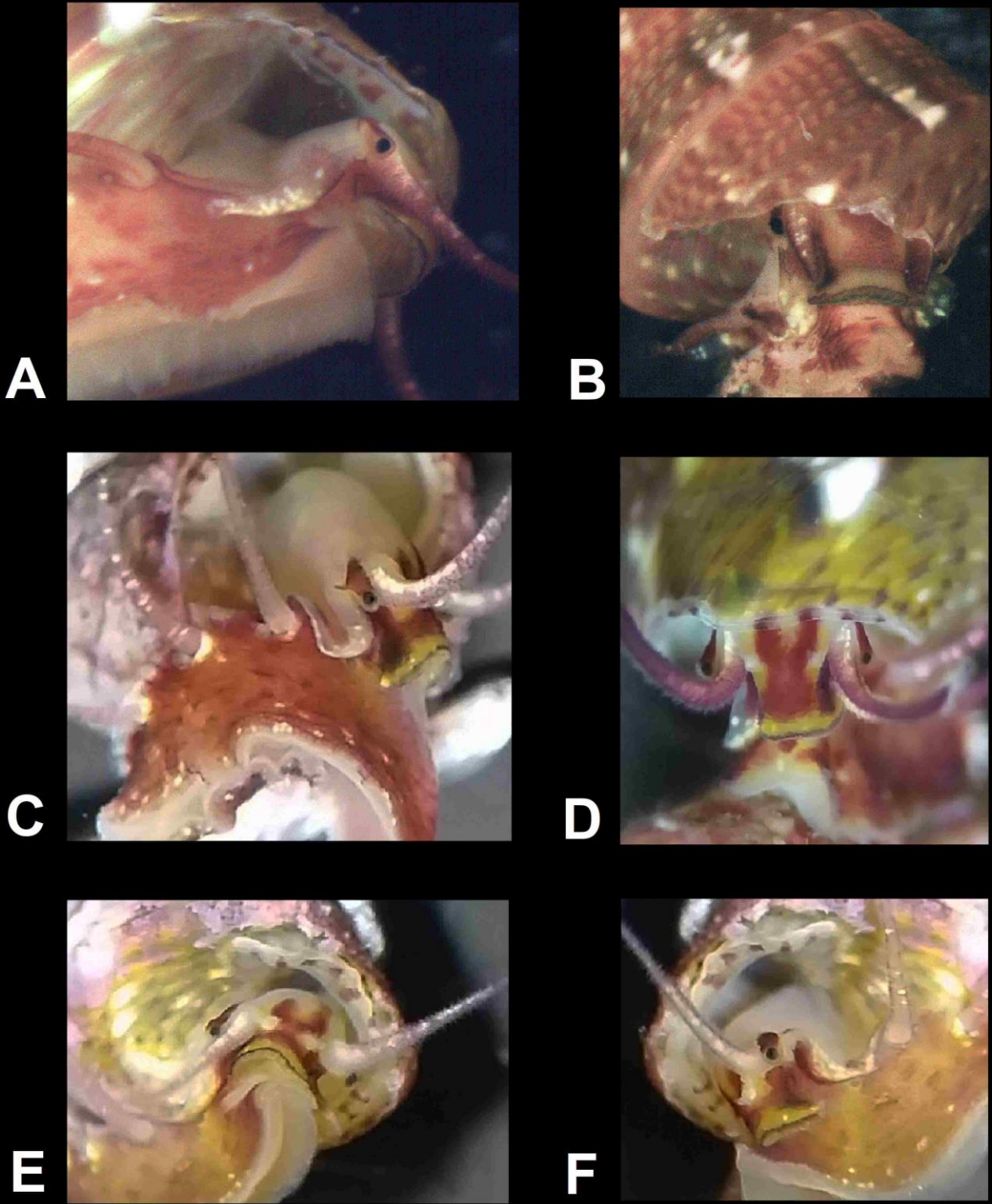


Figure S53. SSH XVI *Jujubinus daniensis* Mariottini, Oliverio & Smriglio n. sp. *Jujubinus daniensis*. CS-PM. Giannutri Is. (42°15'07.05"N 11°05'31.51"E), Tuscany (Italy). On *Cystoseira mediterranea*, 10 m depth. **A,B.** Ex 1: 5.5 (H) X 5.1 (W) mm. **C,D.** Ex 2: 4.8 (H) X 4.4 (W) mm. **E,F.** Ex 3: 5.2 (H) X 4.8 (W) mm.

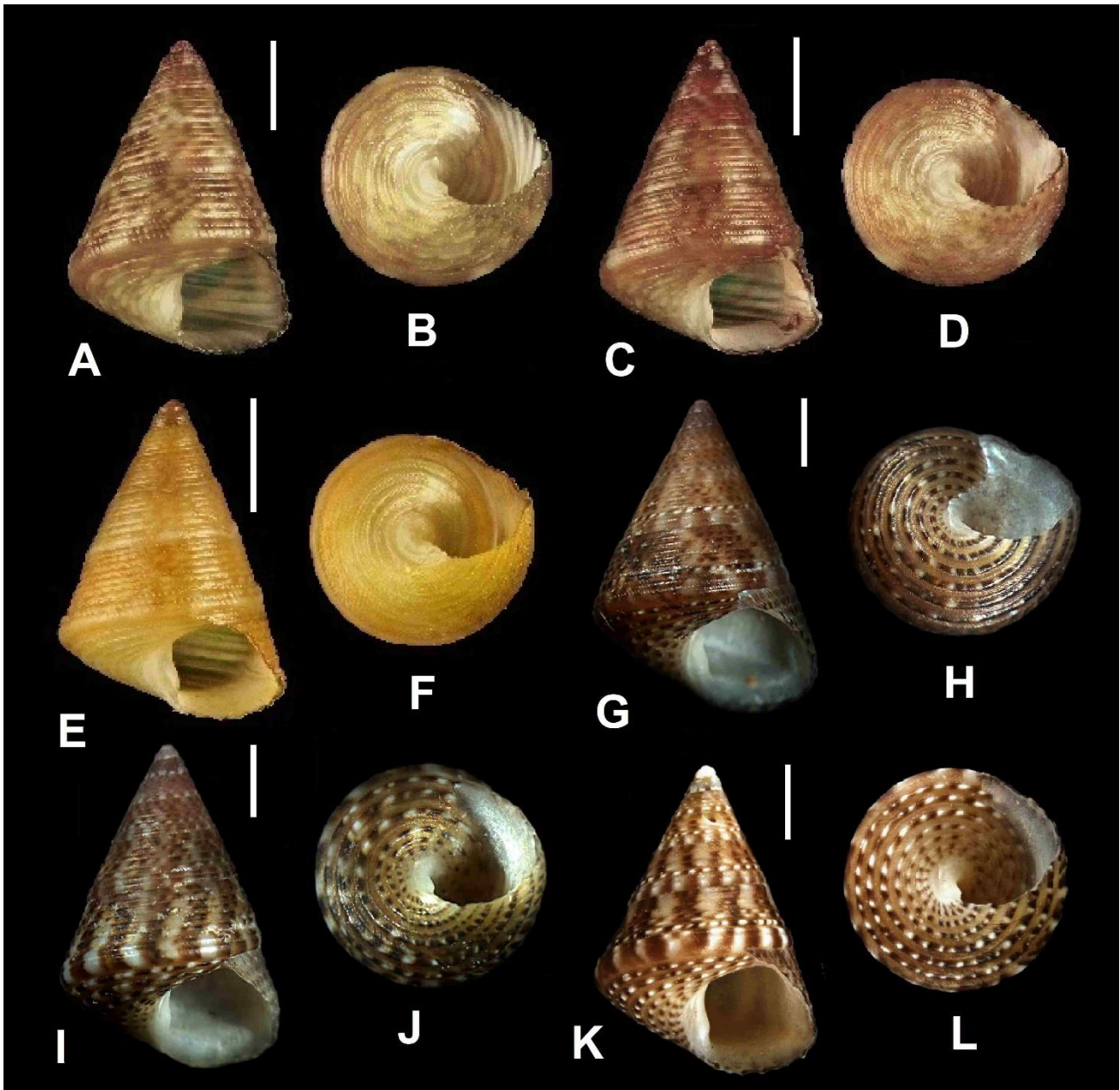


Figure S54. SSH XVII *Jujubinus angustibasis* Mariottini, Oliverio & Smriglio n. sp. **A,B.** *Jujubinus angustibasis*. BAU3050.1. 6.9 (H) X 4.8(W) mm. Punta Prosciutto, Porto Cesareo, Apulia (Italy). **C,D.** *Jujubinus angustibasis*. BAU3050.2. 6.3 (H) X 4.6 (W) mm. Punta Remiti, Otranto, Apulia (Italy). **E,F.** *Jujubinus angustibasis*. BAU3051. 5.6 (H) X 4.1 (W) mm. S. Maria al Bagno, Nardò, Apulia (Italy). On *P. oceanica*, 5 m depth. **G,H.** *Jujubinus angustibasis*. CS-PM. 9.8 (H) X 7.2 (W) mm. Favignana Is., Egadi, Sicily (Italy). Shored. **I,J.** *Jujubinus angustibasis*. CS-PM. 9.0 (H) X 6.2 (W) mm. Favignana Is., Egadi, Sicily (Italy). Shored. **K,L.** *Jujubinus angustibasis*. CS-PM. 7.4 (H) X 5.9 (W) mm. Favignana Is., Egadi, Sicily (Italy). Shored. Scale bar 2 mm.

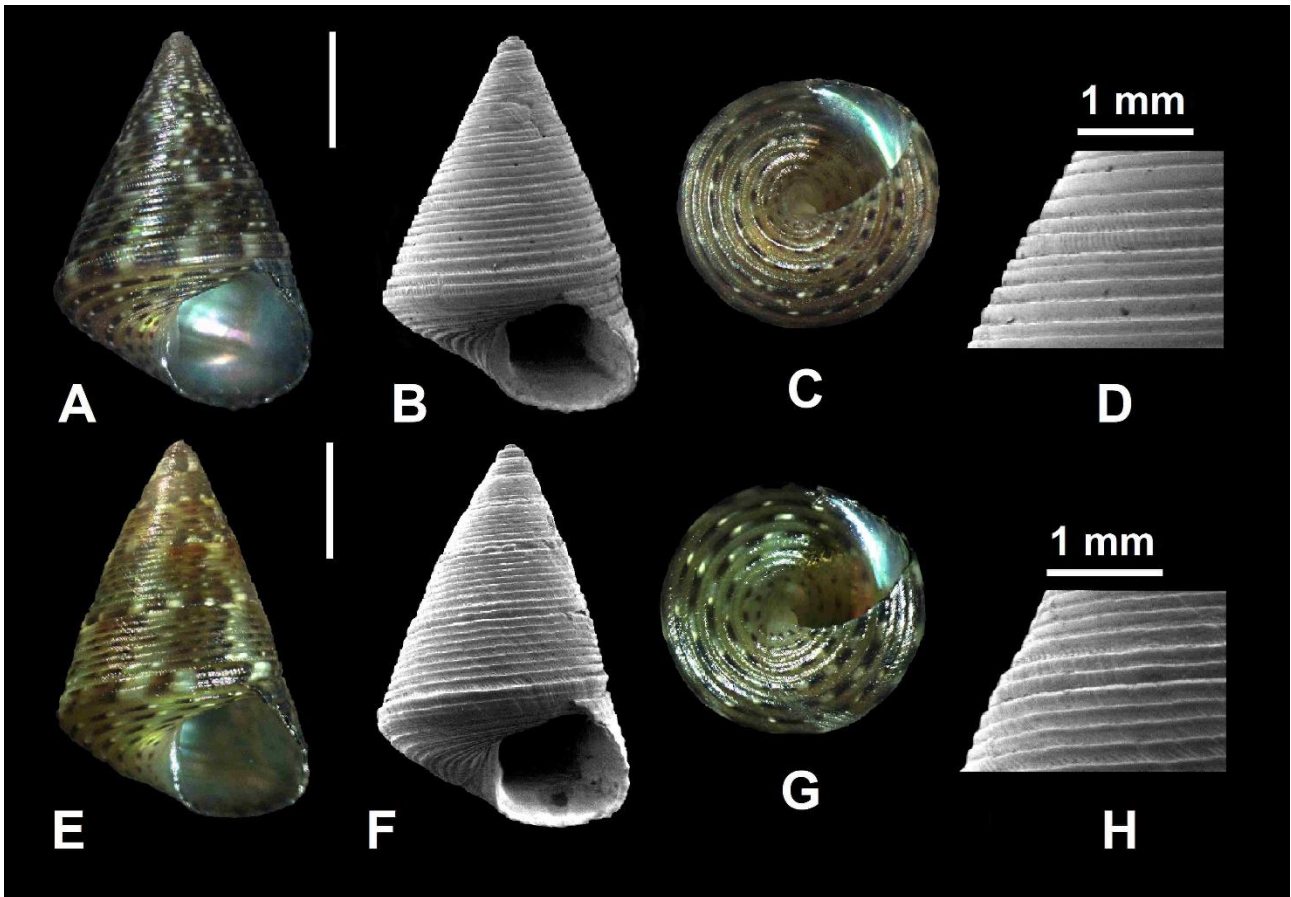


Figure S55. SSH XVII *Jujubinus angustibasis* Mariottini, Oliverio & Smriglio n. sp. **A-D.** *Jujubinus angustibasis*. CS-PM. 7.4 (H) X 5.3 (W) mm. Costa Saracena-Castelluccio (37°18'33.68"N 15°07'58.08"E), Sicily. On *P. oceanica*, 5 m depth. **E-H.** *Jujubinus angustibasis*. Holotype, 7.6 (H) X 4.8 (W) mm. Costa Saracena-Castelluccio (37°18'33.68"N 15°07'58.08"E), Sicily. On *P. oceanica*, 5 m depth, MNHN-20XX-XXXX. Scale bar 2 mm.

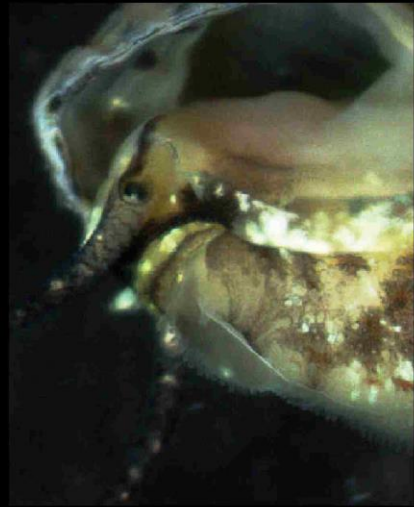
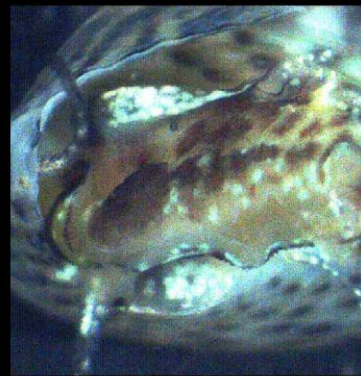
A**B****C****D****E****F**

Figure S56 *Jujubinus angustibasis*. Costa Saracena-Castelluccio (37°18'33.68"N 15°07'58.08"E), Sicily. On *P. oceanica*, 5 m depth. CS-PM. **A-D**. 7.2 (H) X 5.1 (W) mm. **E,F**. 7.1 (H) X 5.2 (W) mm.

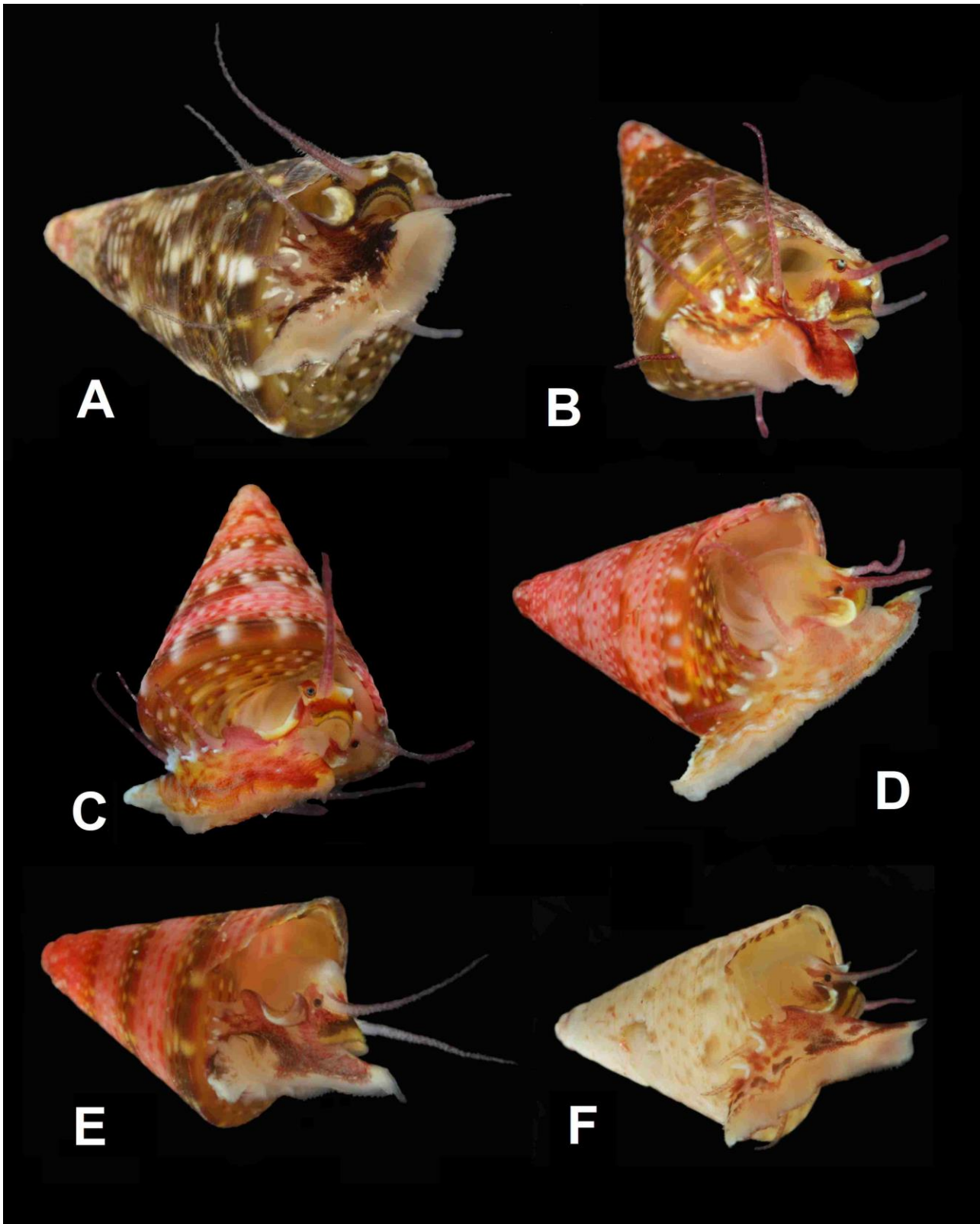


Figure S57 *Jujubinus angustibasis*. **A.** MNHN-IM-2019-18126. Corsica, Punta Muchillina (42°20,1'N, 08°33,3'E), Station CB40, 10 m, brushing. **B.** MNHN-IM-2019- . **C.** MNHN-IM-2019-14586. Corsica, off South coasts (41°20,4'N, 09°10,8'E), Station CR101, 42 m, hand picking. **D.** MNHN-IM-2019-14585. Corsica, off South coasts (41°20,4'N, 09°10,8'E), Station CS85, 42 m, air pump. **E.** MNHN-IM-2019-17184. Corsica, North of Gargalo Is. (42°22,3'N, 08°32,4'E), Station CB31, 26 m, brushing. **F.** MNHN-IM-2019-17281. Corsica, North of Gargalo Is. (42°22,3'N, 08°32,4'E), Station CB31, 26 m, brushing.

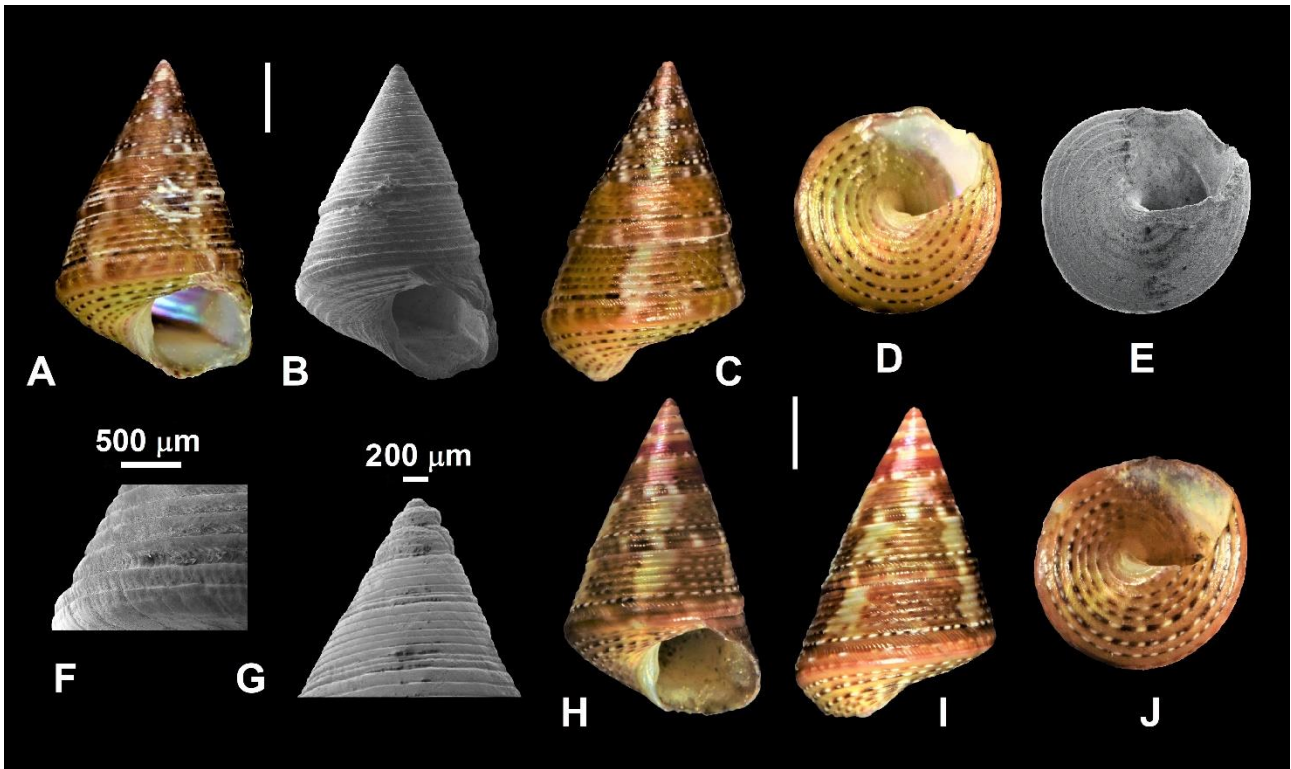


Figure S58. SSH XVII *Jujubinus inopinatus* Mariottini, Oliverio & Smriglio n. sp. A-G. *Jujubinus inopinatus* Mariottini, Smriglio & Oliverio n. sp. Holotype, BAU 1680.1. 9.0 (H) X 5.7 (W) mm. San Vito Lo Capo, Sicily, Italy. U-J. *J. inopinatus* Mariottini, Smriglio & Oliverio n. sp. Paratype, MCZR-M-11760, MTS coll. 9.1 (H) X 6.0 (W) mm. Napoli (Italy). Scale bar 2 mm, unless otherwise specified.

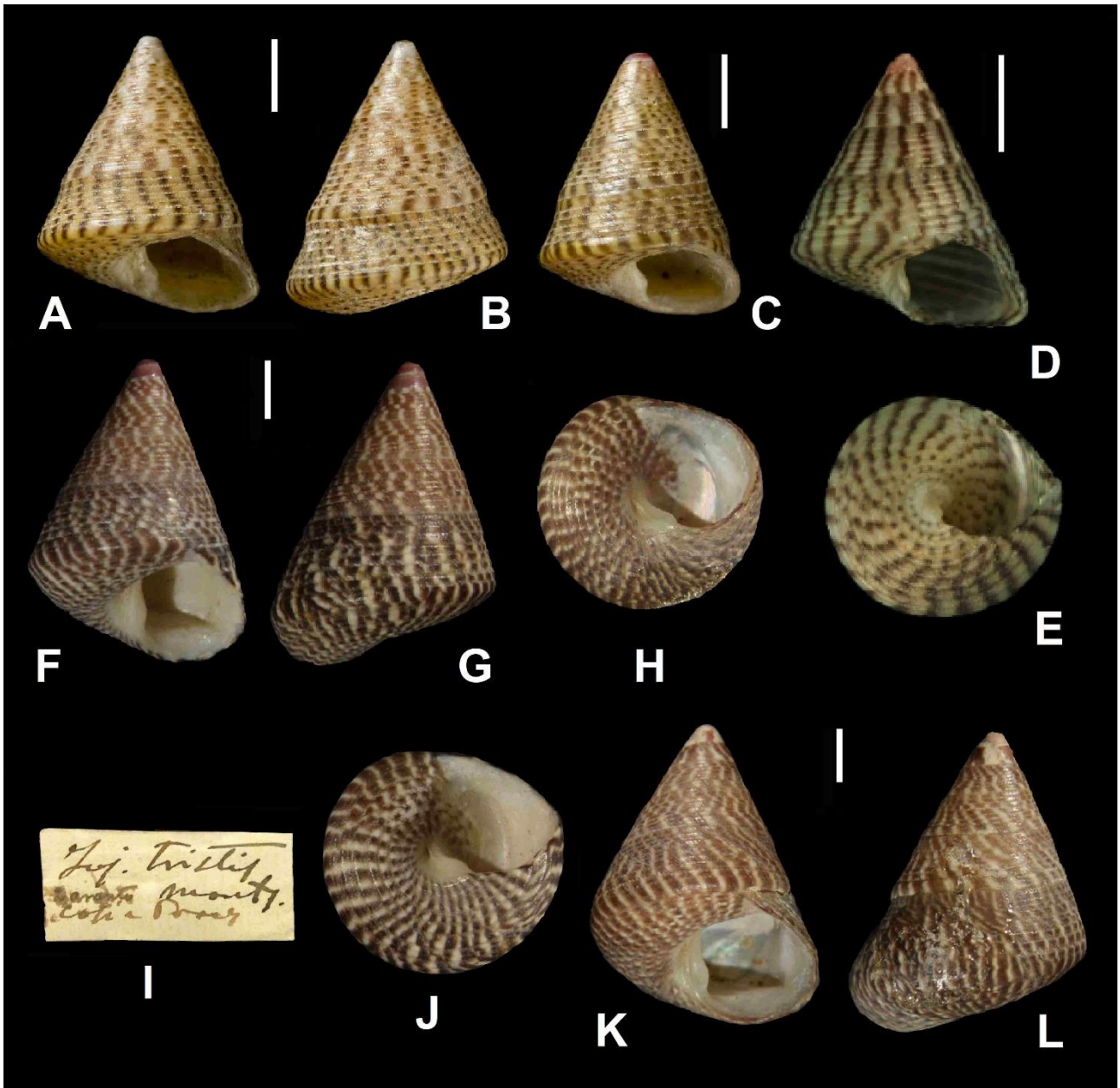


Figure S59. SSH XIX *Jujubinus striatus* (Linnaeus, 1758). A,B. *Jujubinus striatus*. Lectotype, LSL.508. 7.9 (H) X 6.1 (W) mm. "Mediterraneum". C. *Jujubinus striatus*. Paralectotype, LSL.508. Dance's label PZ 0010802. 7.0 (H) X 5.4 (W) mm. "Mediterraneum". D,E. *Jujubinus aequistriatus*. BAU2069.5. 5.8 (H) X 5.1 (W) mm. Sicily (Italy). F-H. *Jujubinus tristis* Zanardi, 1976. MCZR-M-11687/L, lectotype. H 10.4 x D 7.6 mm. Taranto, Apulia (Italy). I. Original label by Monterosato. J-L. *Jujubinus tristis* Zanardi, 1976. MCZR-M-11687/P, paralectotype. 11.2 (H) x 8.2 (W) mm. Taranto, Apulia (Italy). Scale bar 2 mm.

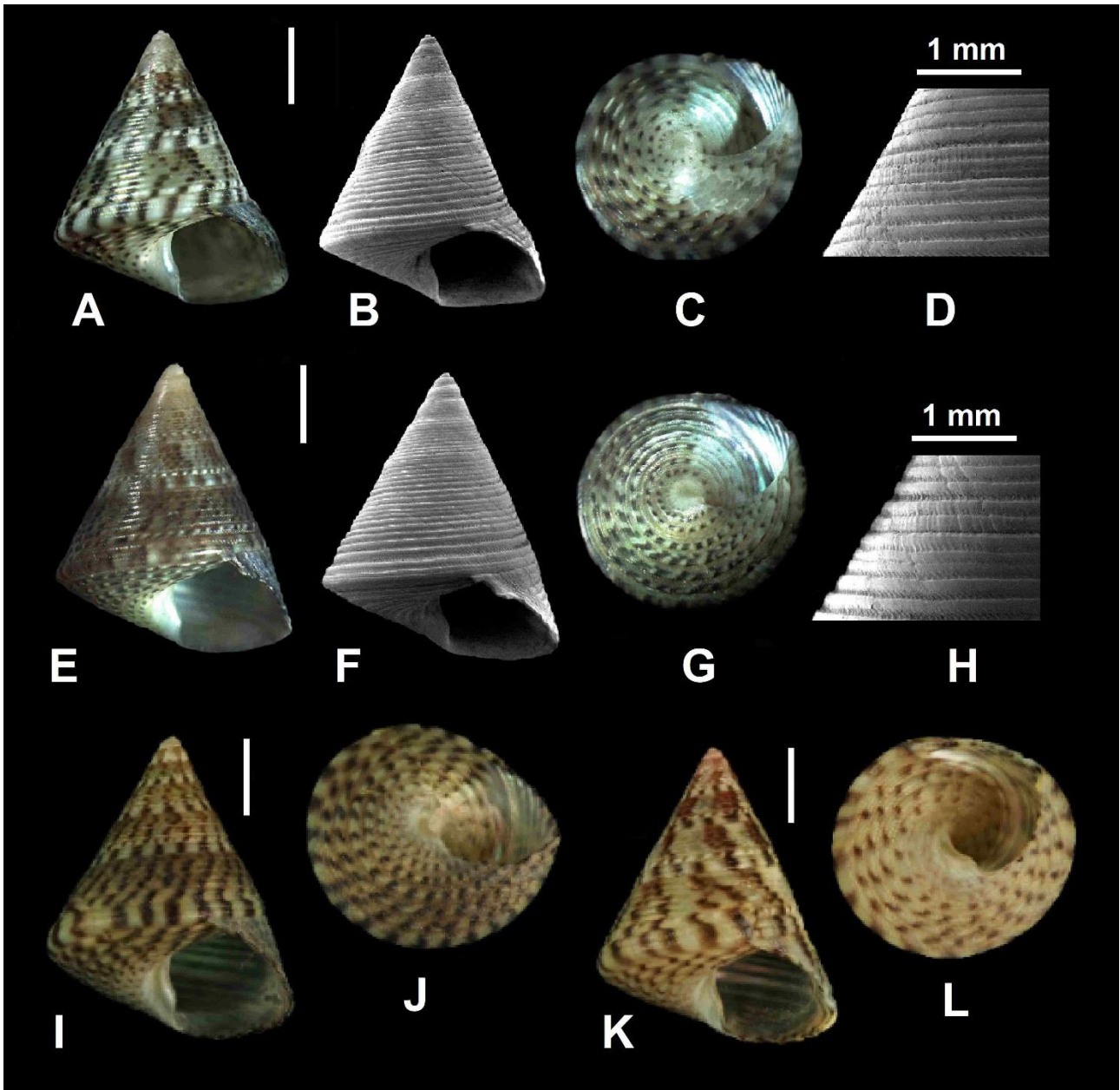


Figure S60. SSH XIX *Jujubinus striatus* (Linnaeus, 1758). **A-D.** *Jujubinus striatus*. CS-PM. 7.3 (H) X 5.6 (W) mm. Costa Saracena-Castelluccio (37°18'33.68"N 15°07'58.08"E), Sicily (Italy). On *P. oceanica*, 5 m depth. **E-H.** *Jujubinus striatus*. CS-PM. 7.7 (H) X 5.9 (W) mm. Costa Saracena-Castelluccio (37°18'33.68"N 15°07'58.08"E), Sicily (Italy). On *P. oceanica*, 5 m depth. **I, J.** *Jujubinus striatus*. BAU2069.3. 8.1 (H) X 6.7 (W) mm. Sicily (Italy). **K, L.** *Jujubinus striatus*. BAU2069.6. 7.7 (H) X 5.7 (W) mm. Sicily (Italy). Scale bar 2 mm, unless otherwise specified.

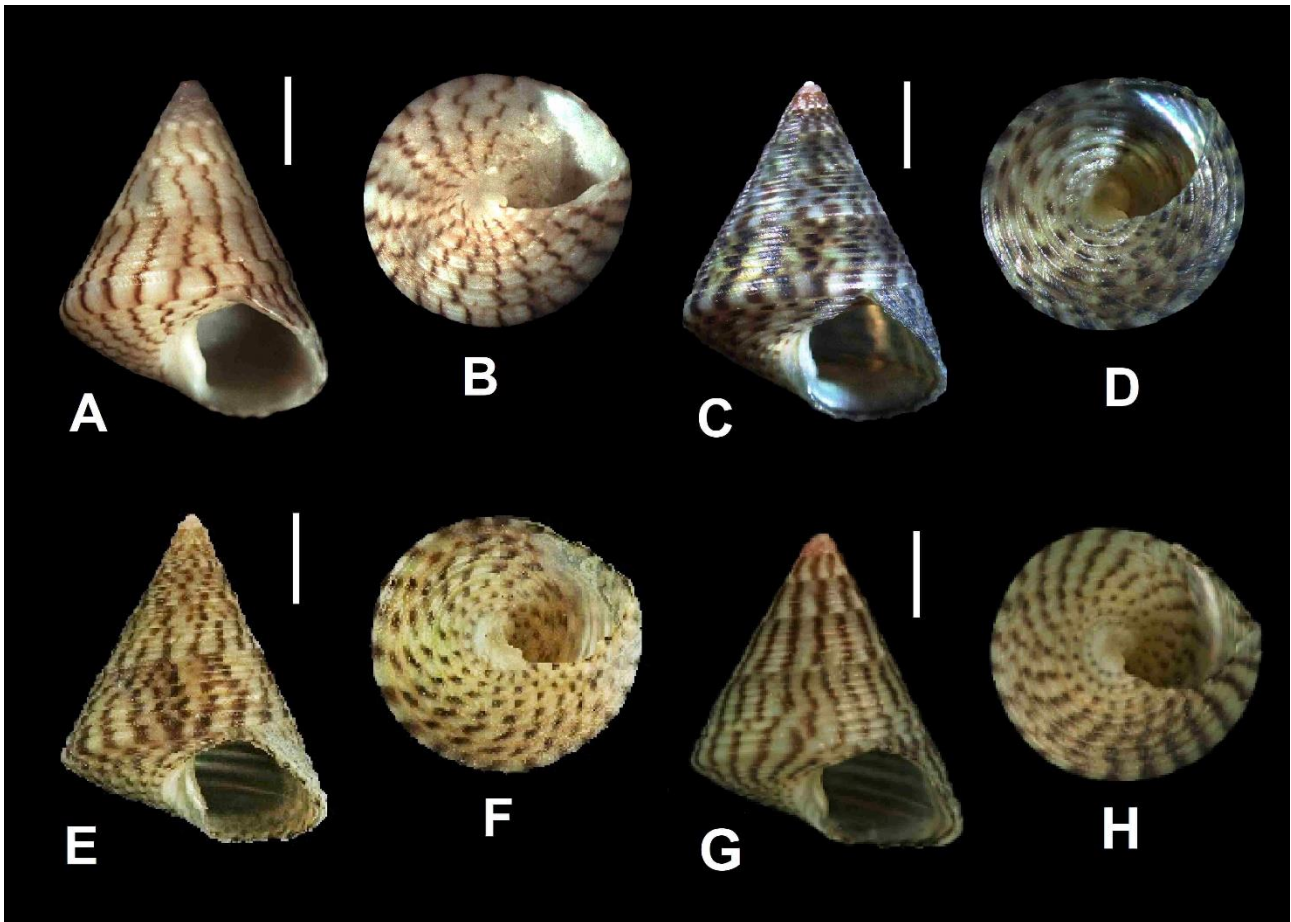


Figure S61. SSH XIX *Jujubinus striatus* (Linnaeus, 1758). A,B. *Jujubinus striatus*. CS-PM. 7.6 (H) X 6.1 (W) mm. Favignana Is. Egadi, Sicily (Italy). Shored. C,D. *Jujubinus striatus*. CS-PM. 7.9 (H) X 6.2 (W) mm. Mezzaferno, Cefalù, Messina, Sicily (Italy). On rock, 3 m depth. E,F. *Jujubinus striatus*. BAU2069.4. 7.3 (H) X 5.7 (W) mm. Sicily (Italy). G,H. *Jujubinus striatus*. BAU2069.5. 7.5 (H) X 5.9 (W) mm. Sicily (Italy). Scale bar 2 mm.

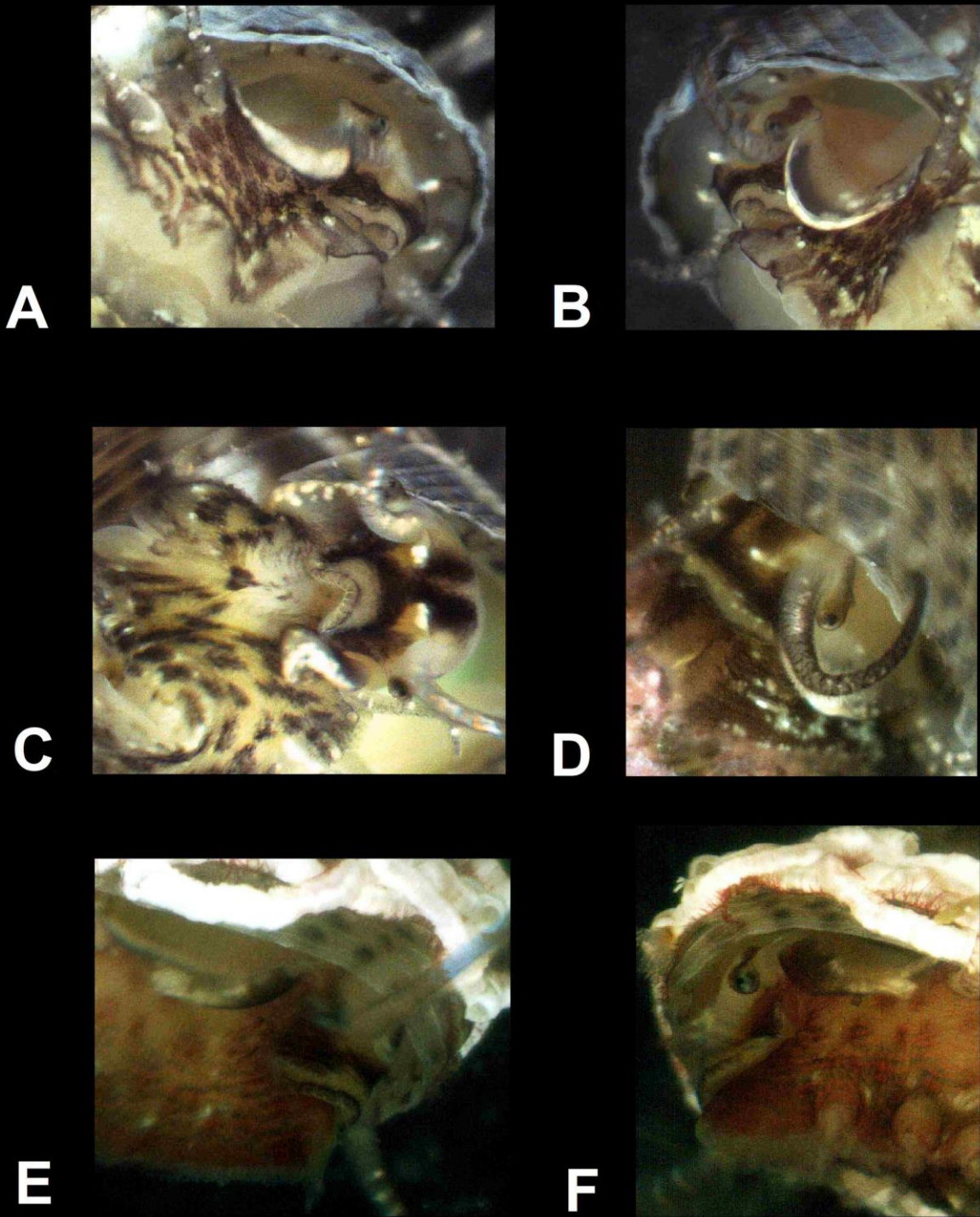


Figure S62. SSH XIX *Jujubinus striatus* (Linnaeus, 1758). *Jujubinus striatus*. CS-PM. Costa Saracena-Castelluccio (37°18'33.68"N 15°07'58.08"E), Sicily (Italy). On *P. oceanica*, 5 m depth. **A-D.** Ex 1: 7.9 (H) X 6.1 (W) mm. **E,F.** Ex 2 : 7.8 (H) X 5.9 (W) mm.

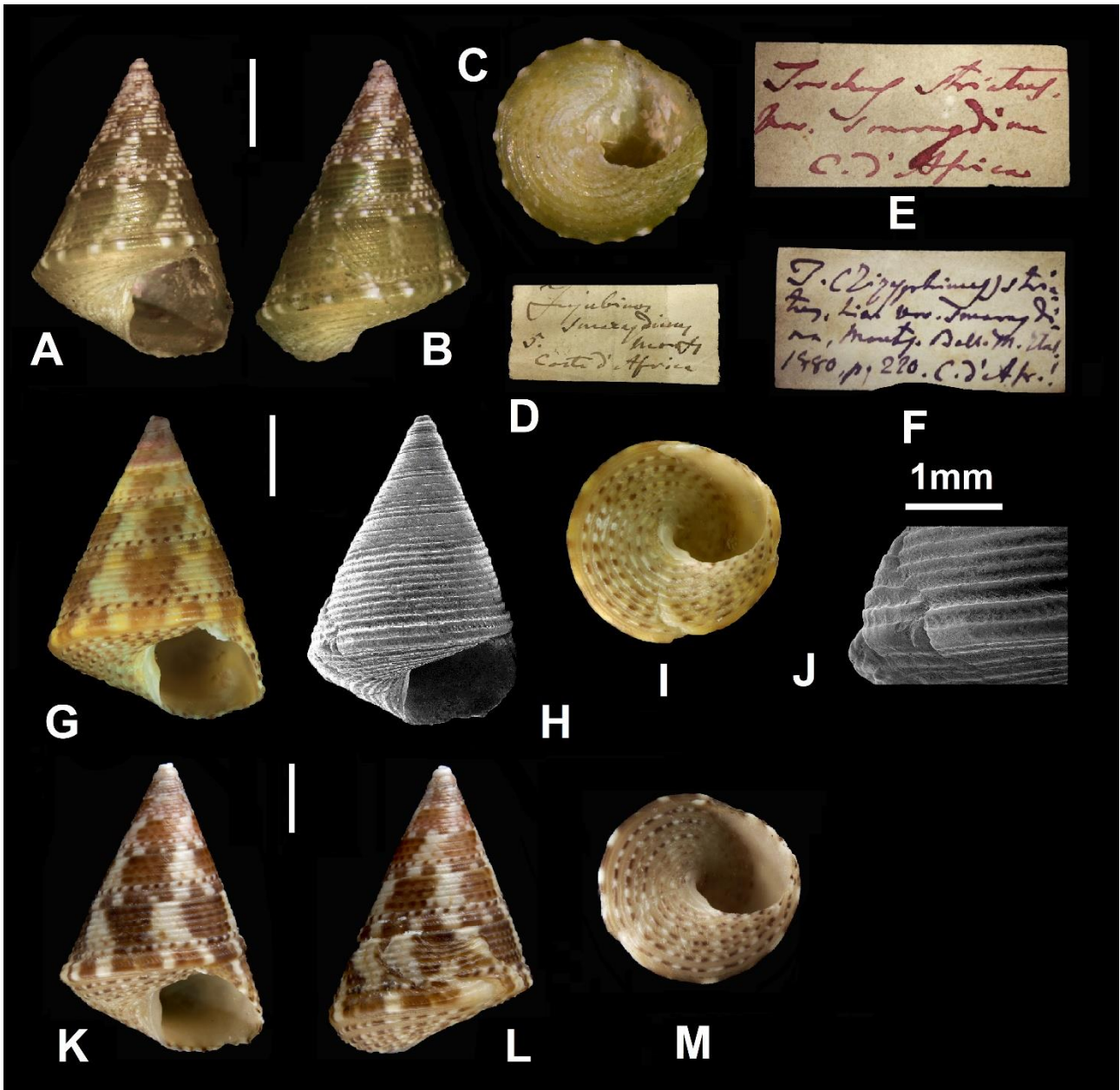


Figure S63. SSH XX *Jujubinus smaragdinus* (Monterosato, 1880). **A-C.** *Trochus smaragdinus*. Type material MCZR-M-11700. 6.8 (H) X 5.0 (W) mm. "Coste d'Africa". **D-F.** Original labels by Monterosato. **G-J.** *Jujubinus smaragdinus*. CS-PM. 7.6 (H) X 4.0 (W) mm. Borj El Hsar (34°42'38"N 11°09'04"E), Kerkennah Is., (Tunisia). Beached. **K-M.** *Jujubinus smaragdinus*. CS-PM. 8.0 (H) X 4.2 (W) mm. Borj El Hsar (34°42'38"N 11°09'04"E), Kerkennah Is., (Tunisia). Beached. Scale bar 2 mm, unless otherwise specified.



Figure S64. SSH XX *Jujubinus smaragdinus* (Monterosato, 1880). **A-C.** *Jujubinus delpreteanus*. MCZR-M-25224/L, lectotype. 6.9 (H) X 5.4 (W) mm. **D-F.** *Jujubinus delpreteanus*. MCZR-M-25224/P, paralectotype. 10.1 (H) X 8.1 (W) mm. **G.** Sullioti's original label. **H-I.** *Trochus pumilio*. MCZR-M-11269.10.4 (H) X 7.0 (D) mm. **K-M.** Monterosato's original labels. **N-P.** *Jujubinus propinquus*. MCZR-M-E12/16. 6.8 (H) X D 5.3 (D) mm. Toulon (France). Scale bar 2 mm.

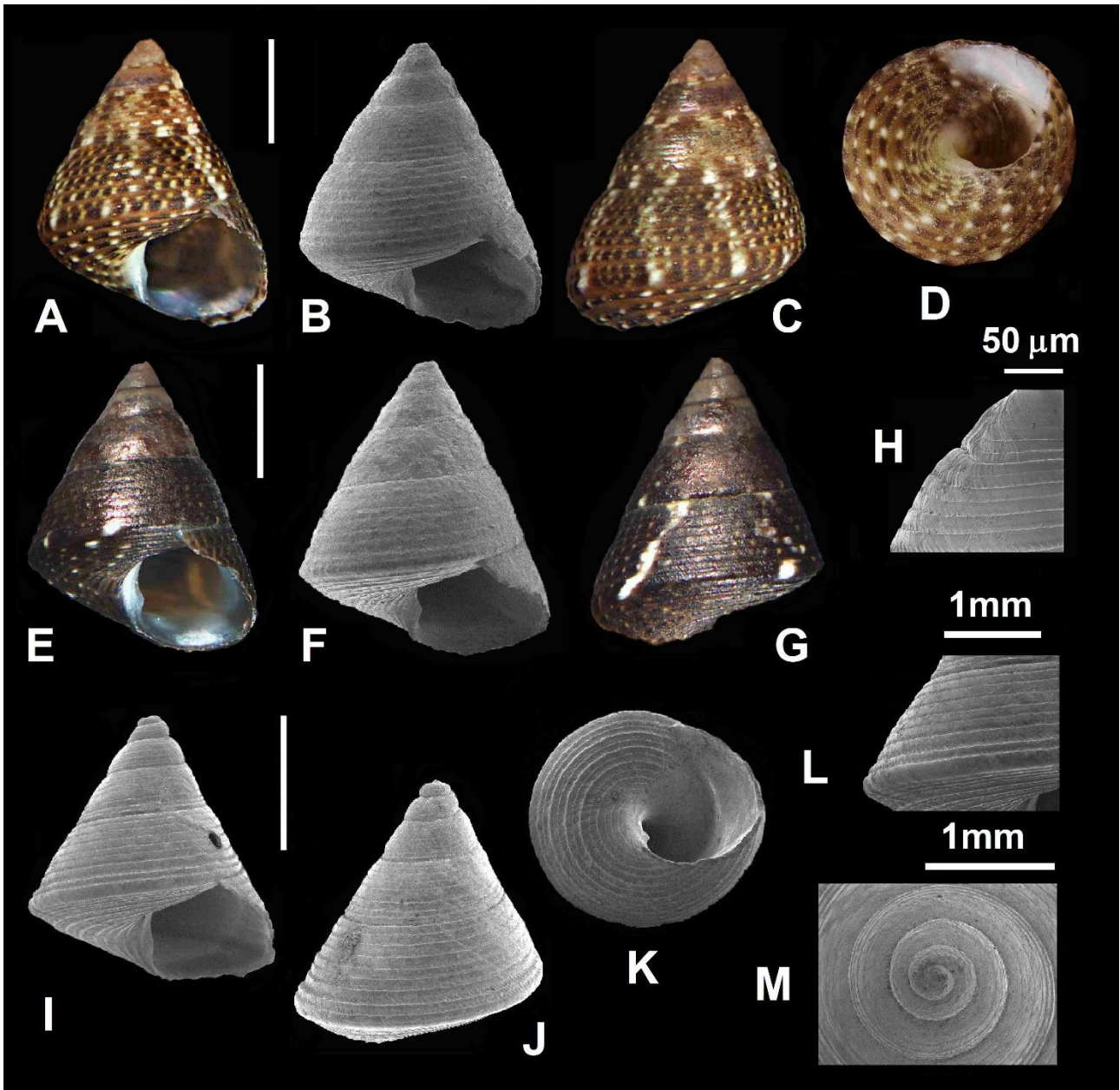


Figure S65. SSH XX *Jujubinus smaragdinus* (Monterosato, 1880). A-D. *Jujubinus delpreteanus*. CS-PM. 5.8 (H) X 4.6 (W) mm. Faro Lake (38°15'57"N 15°37'50"E), Messina, Sicily (Italy). On *Cymodocea nodosa*, 0.2 m depth. E-H. *Jujubinus delpreteanus*. CS-PM. 5.1 (H) X 4.0 (W) mm. Faro Lake (38°15'57"N 15°37'50"E), Messina, Sicily (Italy). On *Cymodocea nodosa*, 0.2 m depth. I-M. *Jujubinus delpreteanus*. CS-PM. 3.9 (H) X 3.7 (W) mm. Faro Lake (38°15'57"N 15°37'50"E), Messina, Sicily (Italy). On *Cymodocea nodosa*, 0.2 m depth. Scale bar 2 mm, unless otherwise specified.

A**B****C****D****E**

Figure S66. SSH XX *Jujubinus smaragdinus* (Monterosato, 1880). *Jujubinus delpreteanus*. CS-PM. Faro Lake (38°15'57"N, 15°37'50"E), Messina, Sicily (Italy). On *Cymodocea nodosa*, 0.2 m depth. **A,B.** Ex 1: 5.5 (H) X 5.1 (W) mm. **C,D.** Ex 2: 4.9 (H) X 4.7 (W) mm. **E,F.** Ex 3: 5.1 (H) X 4.8 (W) mm.

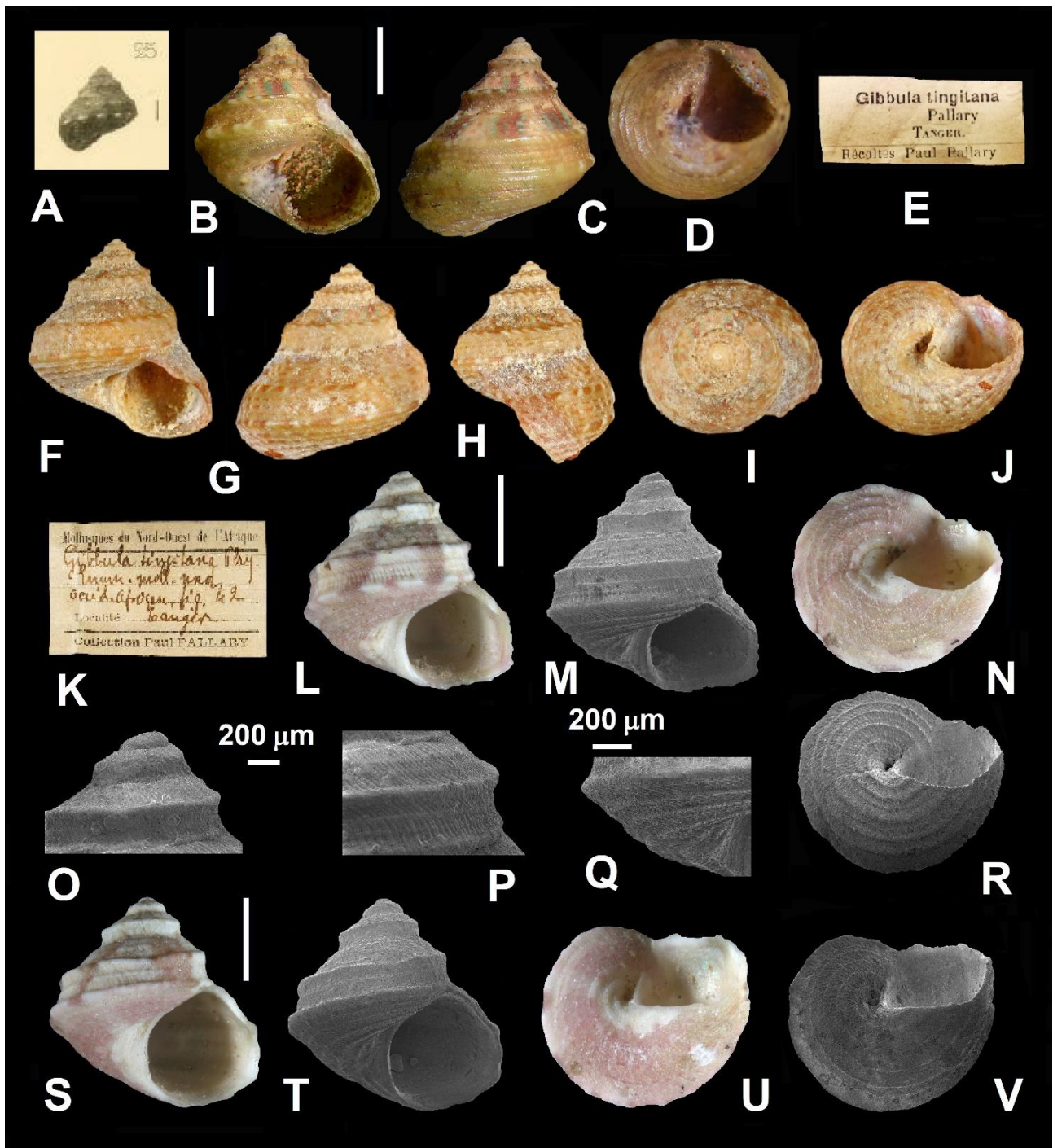


Figure S67. SSH XXI *Jujubinus tingitanus* (Pallary, 1902). **A.** *Gibbula tingitana*, after Pallary (1902: pl. 1, fig. 25). **B-D.** *Gibbula tingitana*. Syntype MCZR-M-30081/S 3.1 (H) X 3.0 (W) mm. Tangier (Morocco). **E.** Pallary collection, MNHN museum label. **F-J.** *Gibbula tingitana*. Pallary collection, syntype, MNHN-IM-2.000-32.439. 4.0 (H) X 3.8 (W) mm. Tangier (Morocco). **K.** Original label by Pallary. **L-R.** *Jujubinus tingitanus*. 2.8 (H) X 2.8 (W) mm. Al-Hoceyma, cala Iris, Morocco, CS-PM. **S-V.** *Jujubinus tingitanus*. 2.3 (H) X 2.4 (W) mm. Al-Hoceyma, Morocco, CS-PM. Scale bar 1 mm, unless otherwise specified.

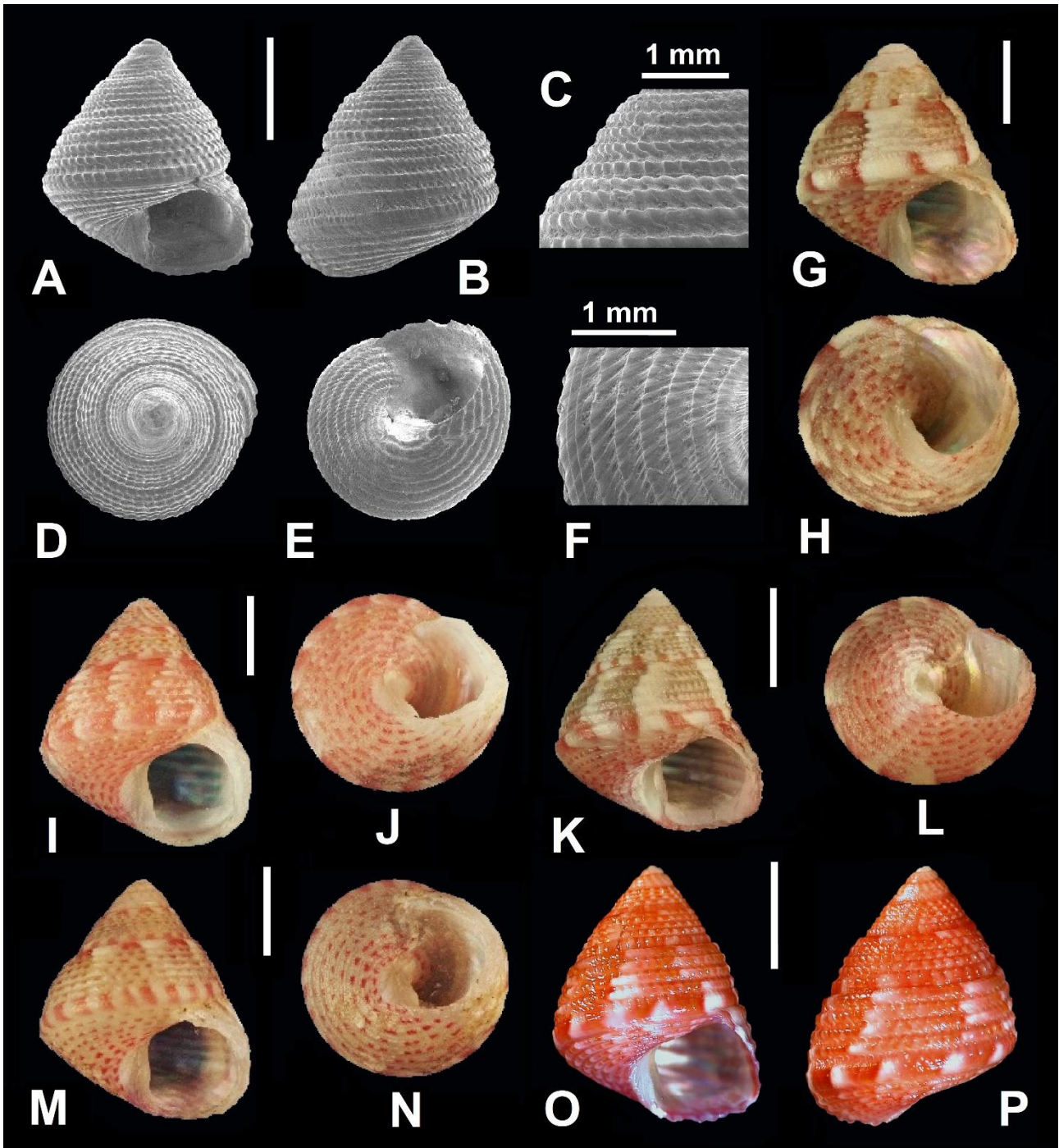


Figure S68. SSH XXII *Jujubinus dispar* Curini-Galletti, 1982. A-F. *Jujubinus dispar*. CS-PM. 5.6 (H) X 4.9 (W) mm, off Malaga (Spain). Trawled, 60 m depth. G,H. *Jujubinus dispar*. BAU2079.1. 5.6 (H) X 5.0 (W) mm, off Malaga (Spain). I,J. *Jujubinus dispar*. BAU2079.2. 6.3 (H) X 5.4 (W) mm, off Malaga (Spain). K,L. *Jujubinus dispar*. BAU2079.3. 5.0 (H) X 4.2 (W) mm, off Malaga (Spain). M,N. *Jujubinus dispar*. BAU2079.4. 5.2 (H) X 4.3 (W) mm, off Malaga (Spain). O,P. *Jujubinus dispar*. CS-PM. 4.9 (H) X 3.9 (W) mm. Off Malaga (Spain). Trawled, 80 m depth. Scale bar 2 mm, unless otherwise specified.

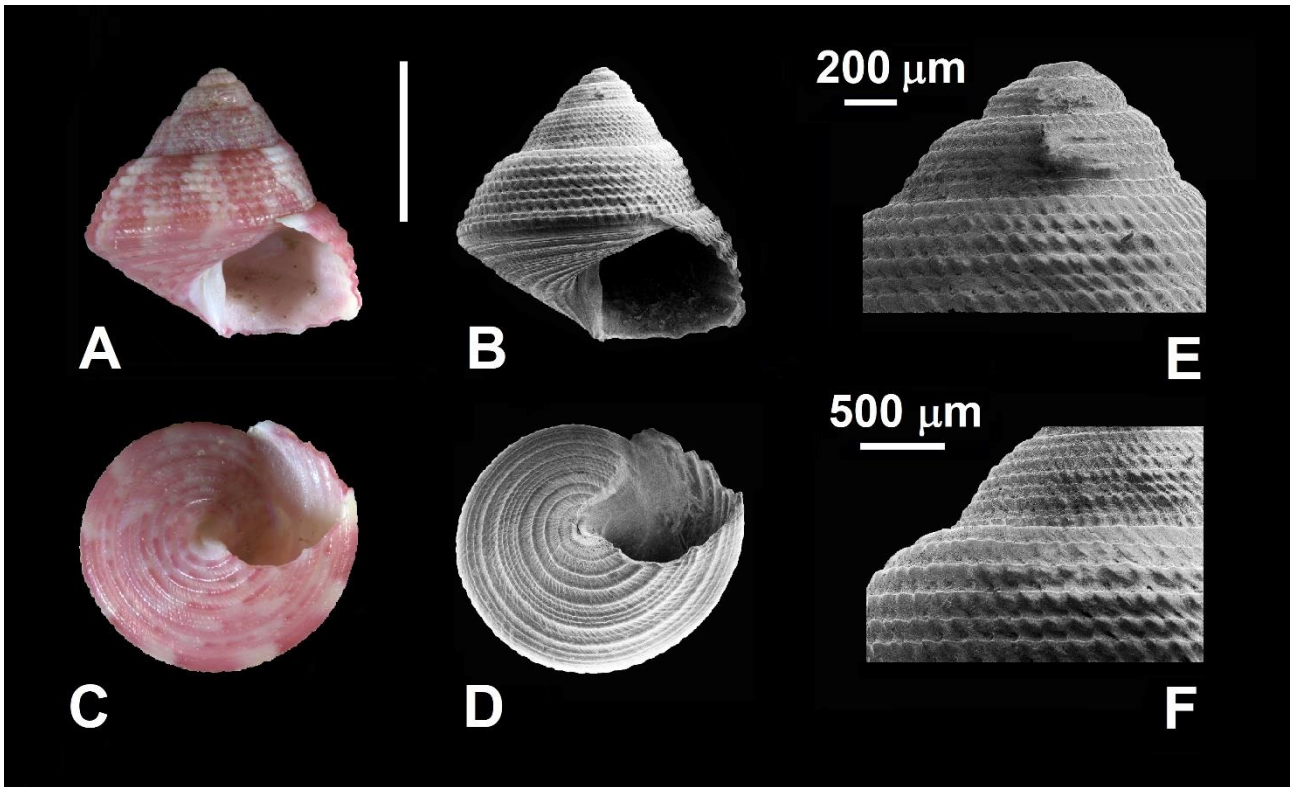


Figure S69. SSH XXII *Jujubinus dispar* Curini-Galletti, 1982. A-F. *Jujubinus dispar*. CS-PM. 3.4 (H) X 3.7 (W) mm, off Malaga (Spain). Trawled, 60 m depth. Scale bar 2 mm, unless otherwise specified.

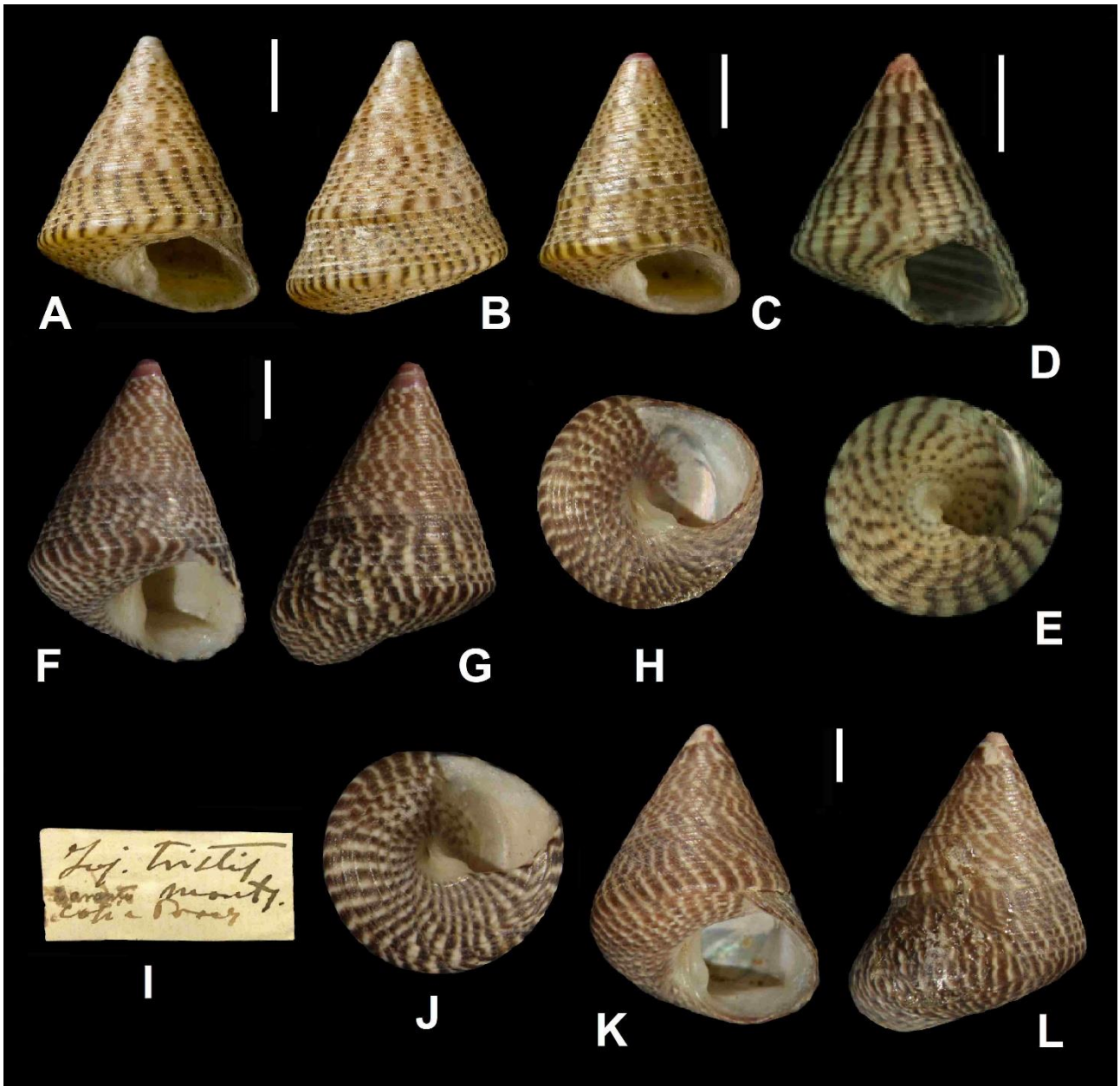


Figure S70. FSH XIX *Jujubinus striatus* (Linnaeus, 1758). **A,B.** *Jujubinus striatus*. Lectotype, LSL.508. 7.9 (H) X 6.1 (W) mm. "Mediterraneum". **C.** *Jujubinus striatus*. Paralectotype, LSL.508. Dance's label PZ 0010802. 7.0 (H) X 5.4 (W) mm. "Mediterraneum". **D,E.** *Jujubinus aequistriatus*. BAU2069.5. 5.8 (H) X 5.1 (W) mm. Sicily (Italy). **F-H.** *Jujubinus tristis* Zanardi, 1976. MCZR-M-11687/L, lectotype. H 10.4 x D 7.6 mm. Taranto, Apulia (Italy). **I.** Original label by Monterosato. **J-L.** *Jujubinus tristis* Zanardi, 1976. MCZR-M-11687/P, paralectotype. 11.2 (H) x 8.2 (W) mm. Taranto, Apulia (Italy). Scale bar 2 mm.

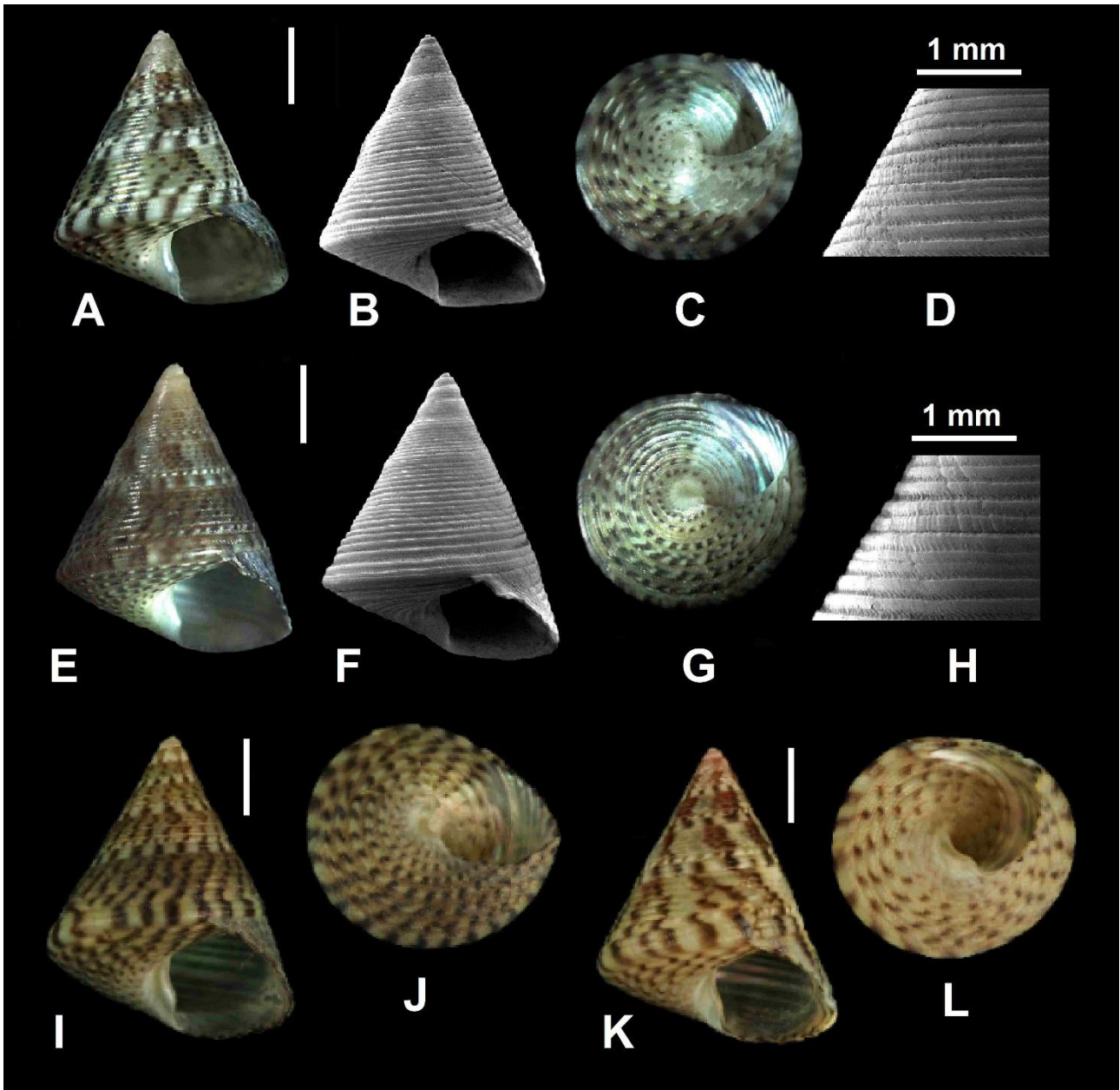


Figure S71. FSH XIX *Jujubinus striatus* (Linnaeus, 1758). **A-D.** *Jujubinus striatus*. CS-PM. 7.3 (H) X 5.6 (W) mm. Costa Saracena-Castelluccio (37°18'33.68"N 15°07'58.08"E), Sicily (Italy). On *P. oceanica*, 5 m depth. **E-H.** *Jujubinus striatus*. CS-PM. 7.7 (H) X 5.9 (W) mm. Costa Saracena-Castelluccio (37°18'33.68"N 15°07'58.08"E), Sicily (Italy). On *P. oceanica*, 5 m depth. **I, J.** *Jujubinus striatus*. BAU2069.3. 8.1 (H) X 6.7 (W) mm. Sicily (Italy). **K, L.** *Jujubinus striatus*. BAU2069.6. 7.7 (H) X 5.7 (W) mm. Sicily (Italy). Scale bar 2 mm, unless otherwise specified.

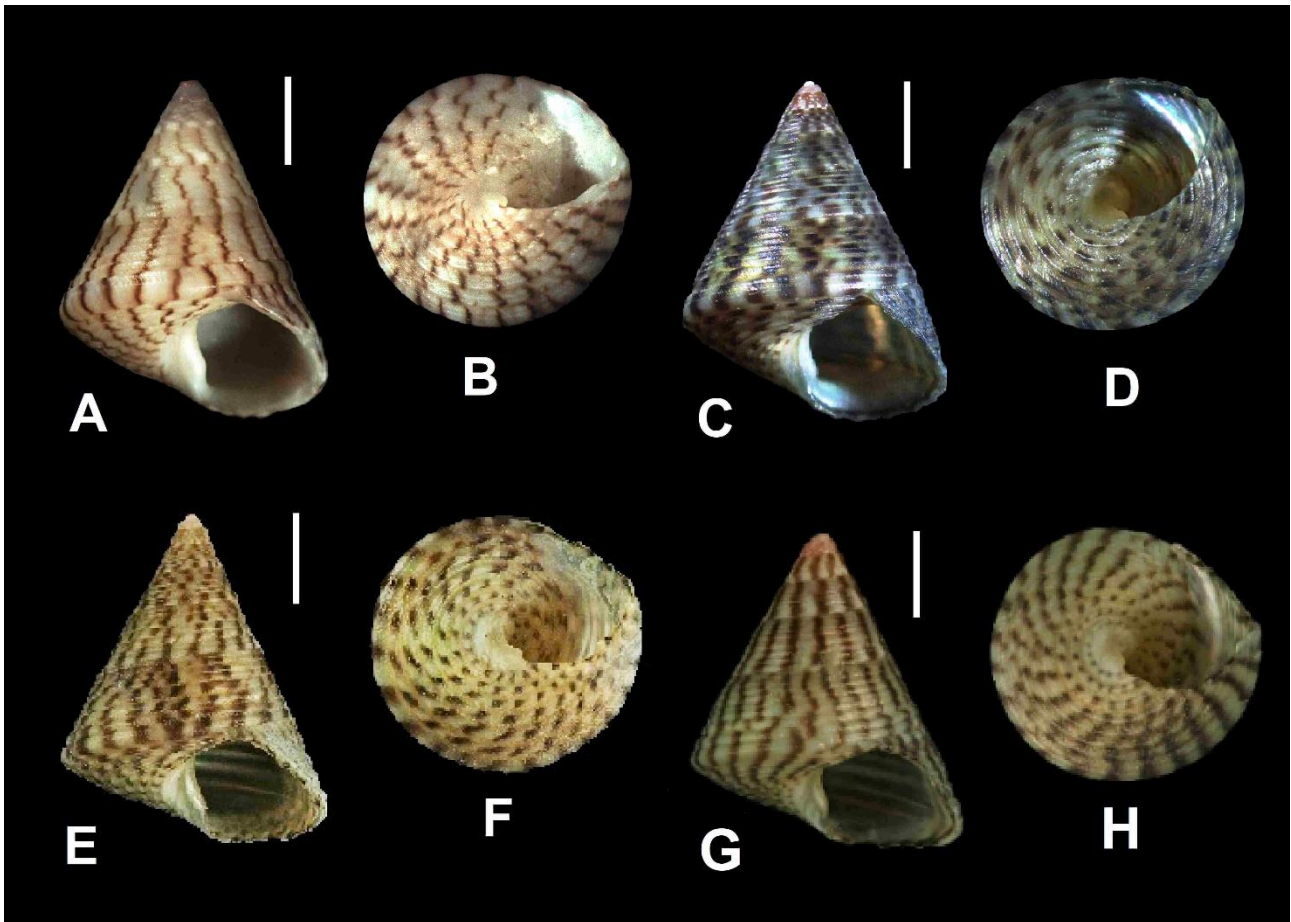


Figure S72. FSH XIX *Jujubinus striatus* (Linnaeus, 1758). A,B. *Jujubinus striatus*. CS-PM. 7.6 (H) X 6.1 (W) mm. Favignana Is. Egadi, Sicily (Italy). Shored. C,D. *Jujubinus striatus*. CS-PM. 7.9 (H) X 6.2 (W) mm. Mezzaferno, Cefalù, Messina, Sicily (Italy). On rock, 3 m depth. E,F. *Jujubinus striatus*. BAU2069.4. 7.3 (H) X 5.7 (W) mm. Sicily (Italy). G,H. *Jujubinus striatus*. BAU2069.5. 7.5 (H) X 5.9 (W) mm. Sicily (Italy). Scale bar 2 mm.

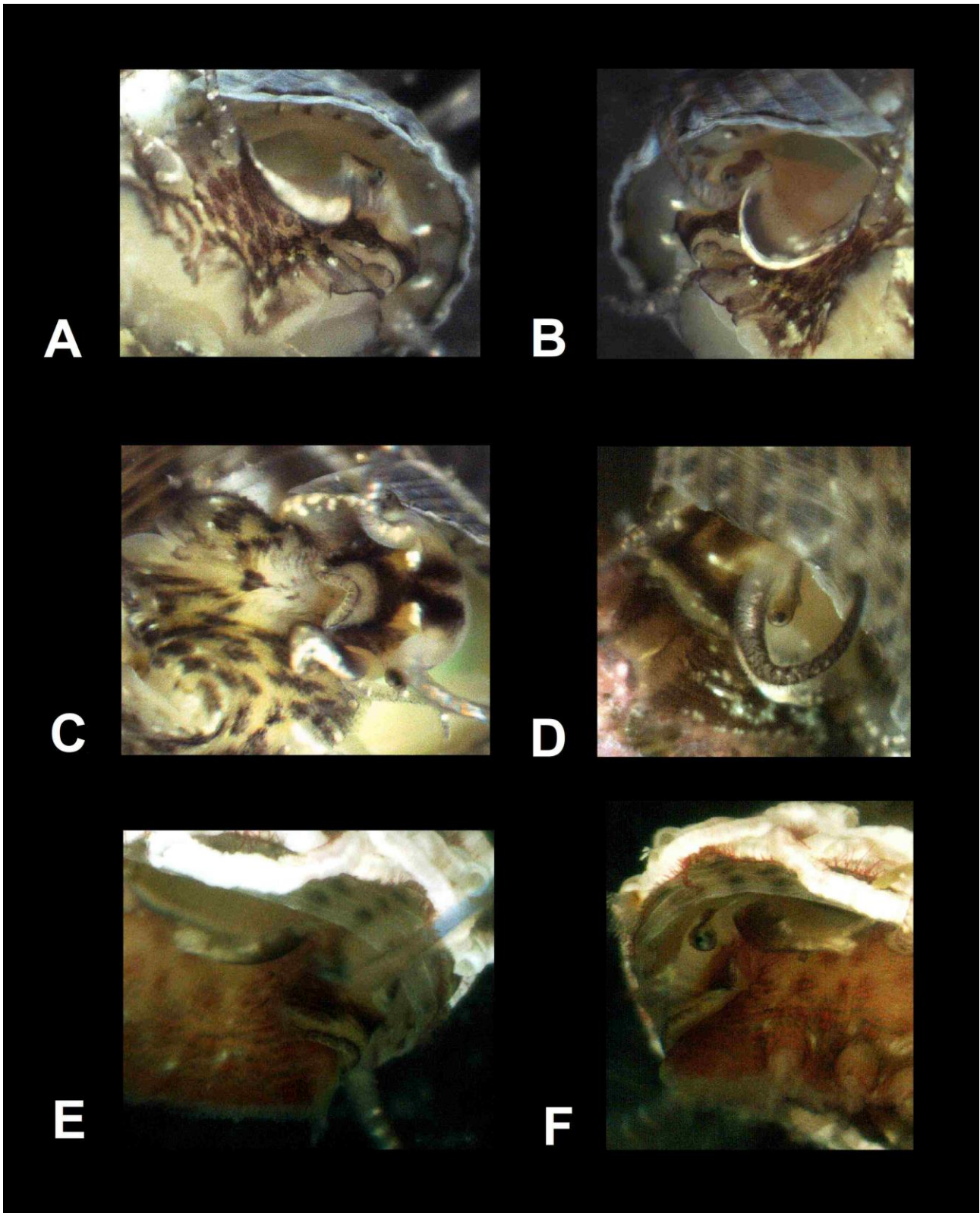


Figure S73. FSH XIX *Jujubinus striatus* (Linnaeus, 1758). *Jujubinus striatus*. CS-PM. Costa Saracena-Castelluccio (37°18'33.68"N 15°07'58.08"E), Sicily (Italy). On *P. oceanica*, 5 m depth. **A-D.** Ex 1: 7.9 (H) X 6.1 (W) mm. **E,F.** Ex 2 : 7.8 (H) X 5.9 (W) mm.

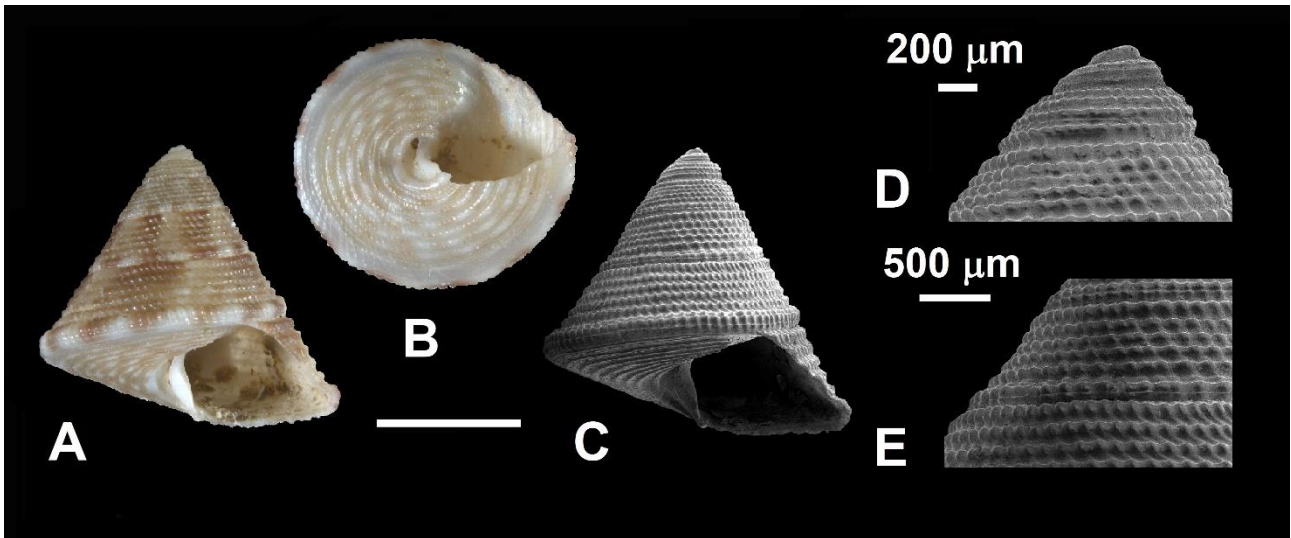


Figure S74. *Clelandella miliaris* (Brocchi, 1814) A-G. *Clelandella miliaris*. CS-PM. 3.9 (H) X 4.1 (W) mm. Central Tyrrhenian Sea, Latium coast (Italy). Scale bar 2 mm, unless otherwise specified.