

HIGH CORAL DIVERSITY IS COUPLED WITH REEF-BUILDING CAPACITY DURING THE LATE OLIGOCENE WARMING EVENT (CASTRO LIMESTONE, SALENTO PENINSULA, S ITALY)

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SUPPLEMENTARY MATERIAL

PLATE 1

- a) *Acropora proteacea*, fragment of colony (IPUM 28309).
- b1) *Acropora salentina*, fragment of colony (IPUM 28316).
- b2) *Acropora salentina*, fragment of colony (IPUM 28319).
- c) *Actinacis rollei*, thin section (IPUM 29889).
- d) *Agathiphyllia apenninica*, thin section (IPUM 29890).
- e) *Alveopora* cf. *daxensis*, whole colony (IPUM 28891).
- f) *Alveopora* cf. *daxensis*, thin section (IPUM 29892).
- g) *Alveopora rudis*, detail of a polished calical surface (IPUM 29893).
- h) *Alveopora rudis*, thin section (IPUM 29893).

PLATE 2

- a) *Antiguastrea ingens*, thin section (IPUM 29894).
- b) *Antiguastrea michelottina*, thin section (IPUM 29895).
- c) *Astreopora decaphylla*, detail of a calical surface (IPUM 29896).
- d) *Astreopora decaphylla*, thin section (IPUM 29897).
- e) *Astreopora meneghiniana*, thin section (IPUM 29898).
- f) *Astrocoenia bistellata*, thin section (IPUM 29899).
- g) *Caulastraea pseudoflabellum*, calical surface (IPUM 29900).
- h) *Caulastraea pseudoflabellum*, thin section (IPUM 29901).

PLATE 3

- a) *Cyathoseris* sp.1, mold of a calical surface (IPUM 29902).
- b) *Cyathoseris* sp.2, calical surface (IPUM 29903).
- c) *Diploastrea adscita*, polished calical surface (IPUM 29904).
- d) *Diploastrea adscita*, thin section (IPUM 29905).
- e) *Diploastrea multisepta*, thin section (IPUM 29906).
- f) *Dipsastraea cylindracea*, thin section (IPUM 29907).
- g) *Favites neglecta*, thin section (IPUM 29908).
- h) *Goniastrea profunda*, thin section (IPUM 29909).

PLATE 4

- a) *Goniopora microsiderea*, thin section (IPUM 29910).
- b) *Goniopora nummulitica*, thin section (IPUM 29911).
- c) *Goniopora rotundata*, thin section (IPUM 29912).
- d) *Goniopora rudis*, polished calical surface (IPUM 29913).
- e) *Goniopora rudis*, thin section (IPUM 29914).
- f) *Hydnophora pulchra*, thin section (IPUM 29915).
- g) *Hydnophyllia costata*, thin section (IPUM 29916).
- h) *Hydnophyllia scalaria*, thin section (IPUM 29917).

PLATE 5

- a) *Leptomussa variabilis*, thin section (IPUM 29918).
- b) *Montastraea hilarionensis*, thin section (IPUM 29919).
- c) *Montastraea incrustans*, thin section (IPUM 29920).
- d) *Montastraea irradians*, thin section (IPUM 29921).
- e) *Pachyseris* cf. *exarata*, thin section (IPUM 29922).
- f) *Pavona minuta*, thin section (IPUM 29923).
- g) *Pavona paronai*, thin section (IPUM 29924).
- h) *Porites* cf. *colleghiana*, thin section (IPUM 29925).

PLATE 6

- a) *Siderastrea pulcherrima*, thin section (IPUM 29926).
- b) *Stylocoenia taurinensis*, thin section (IPUM 29927).
- c) *Stylophora conferta*, part of a colony (IPUM 29928).
- d) *Stylophora conferta*, detail of a calical surface (IPUM 29929).
- e) *Stylophora thysiformis*, fragment of colony (IPUM 29930).
- f) *Stylophora tuberosa*, thin section (IPUM 29931).
- g) *Tarbellastraea russoi*, thin section (IPUM 24896).
- h) *Tarbellastraea salentinensis*, thin section (IPUM 24868).

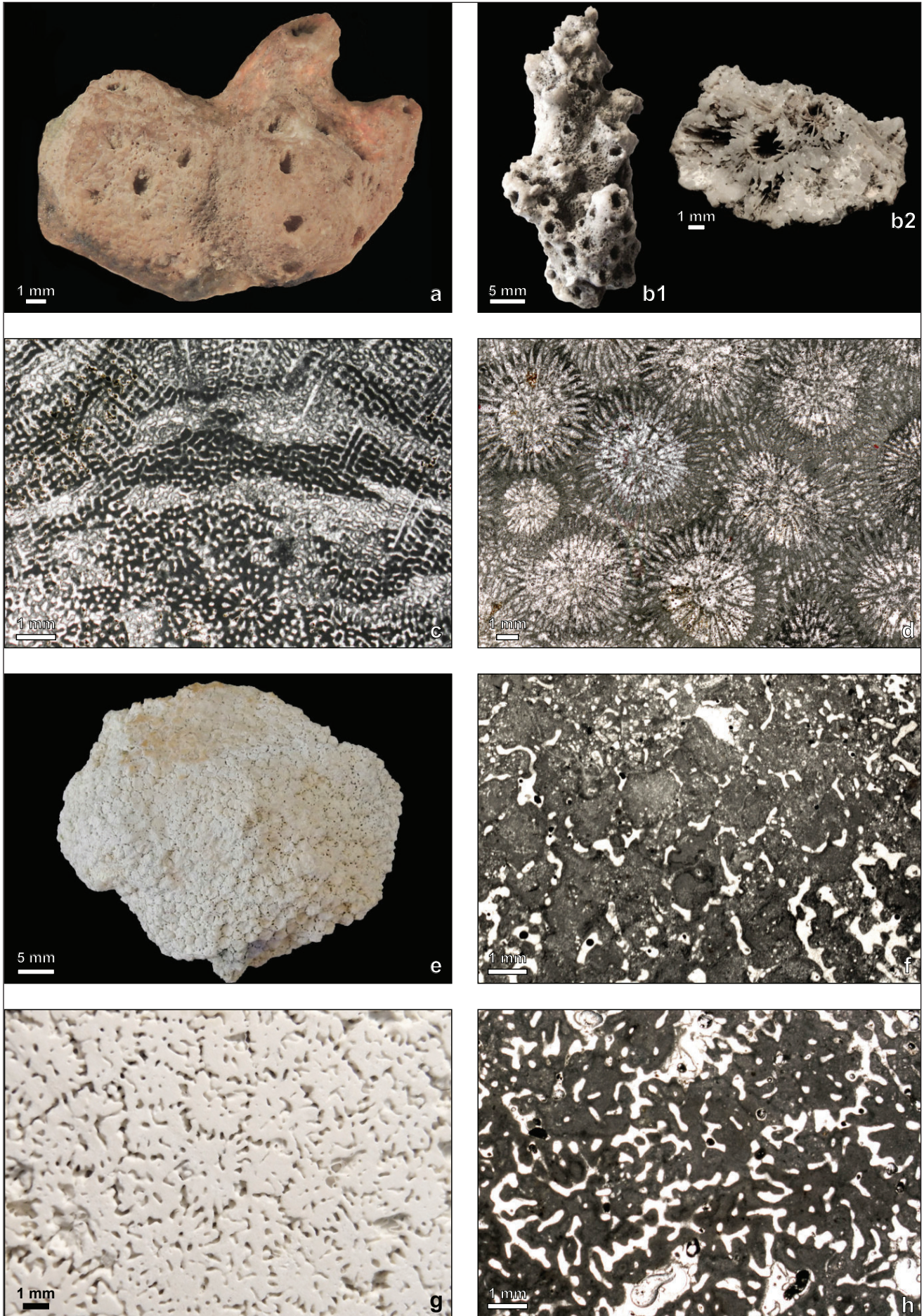


PLATE 1

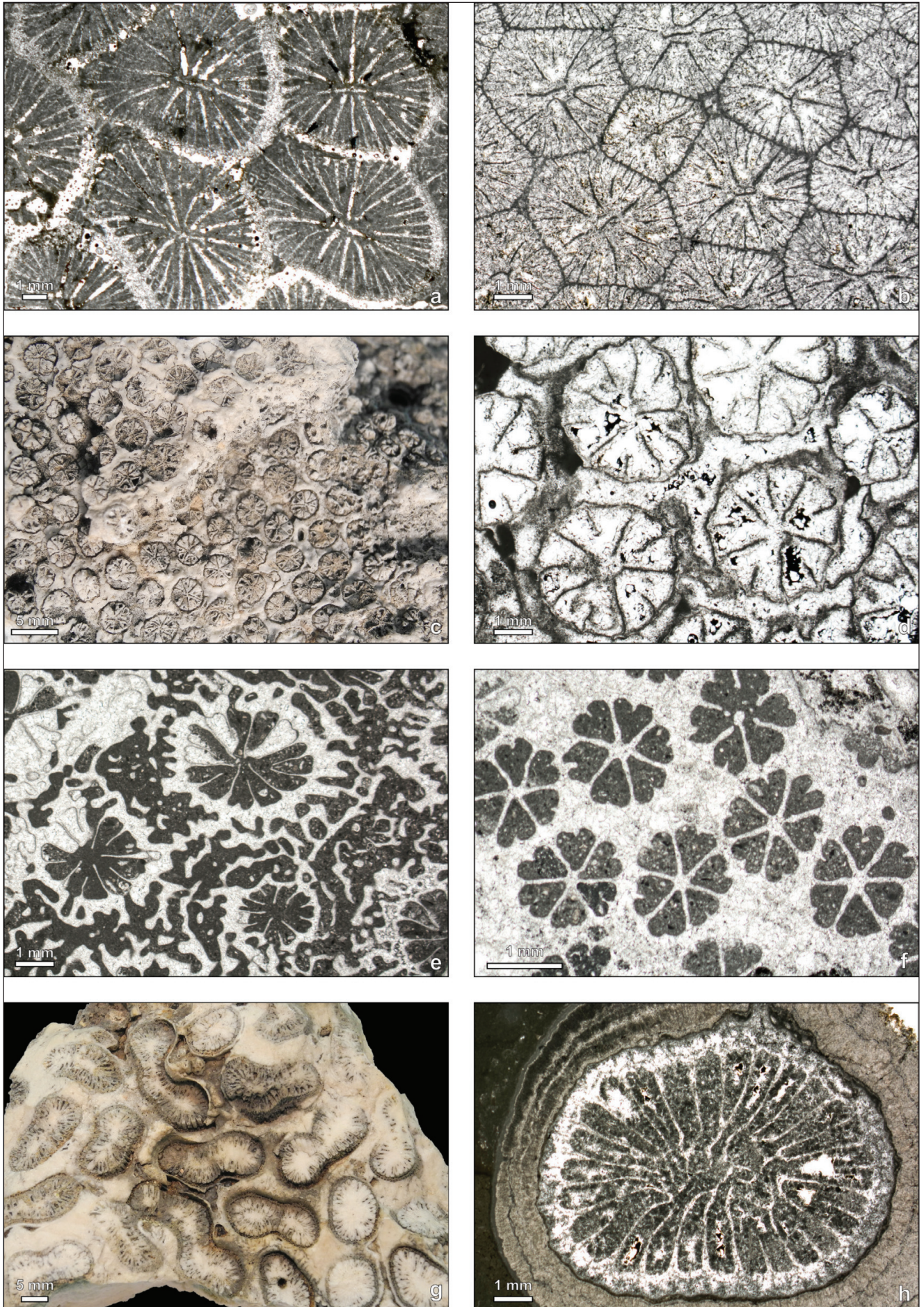


PLATE 2

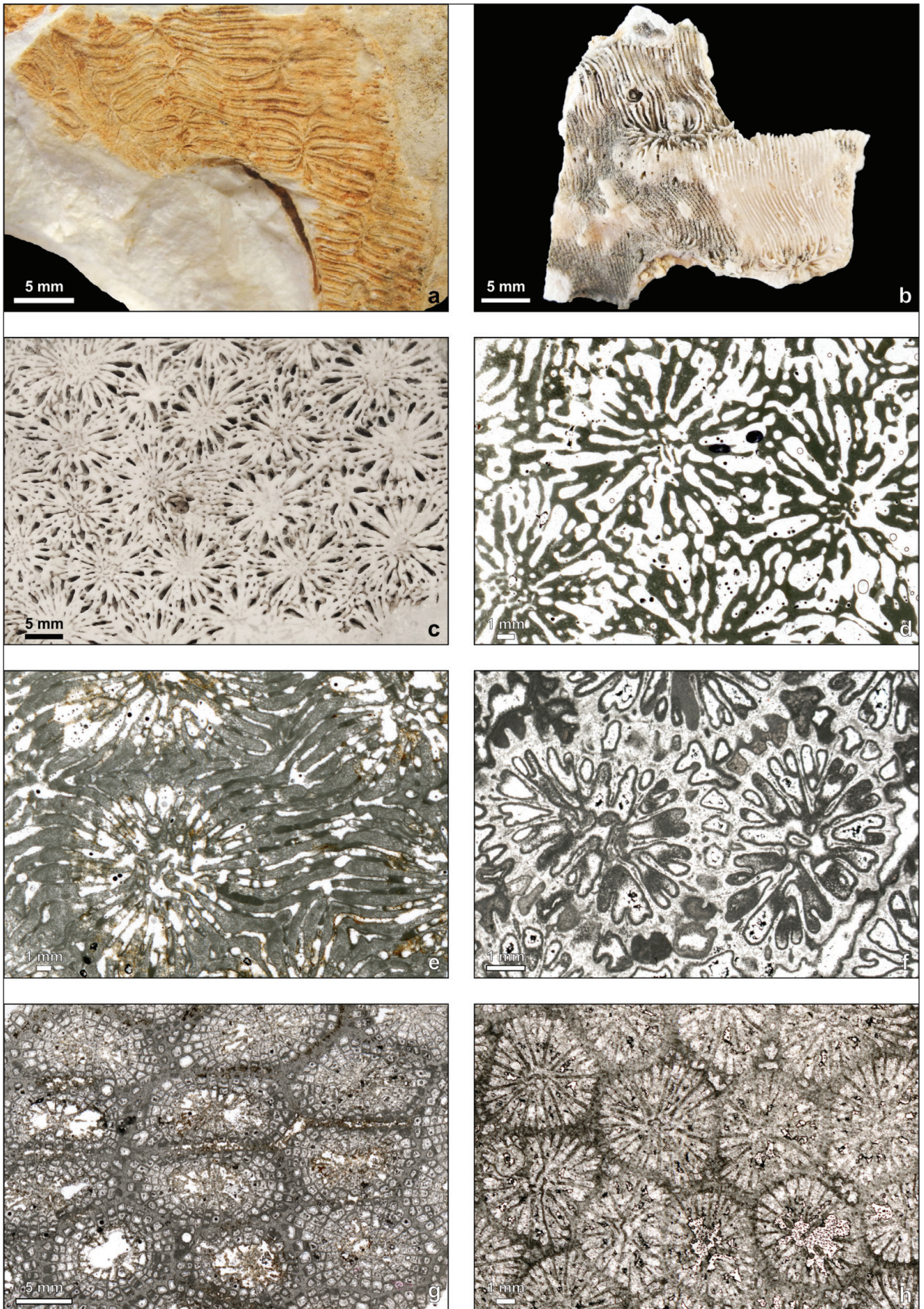


PLATE 3

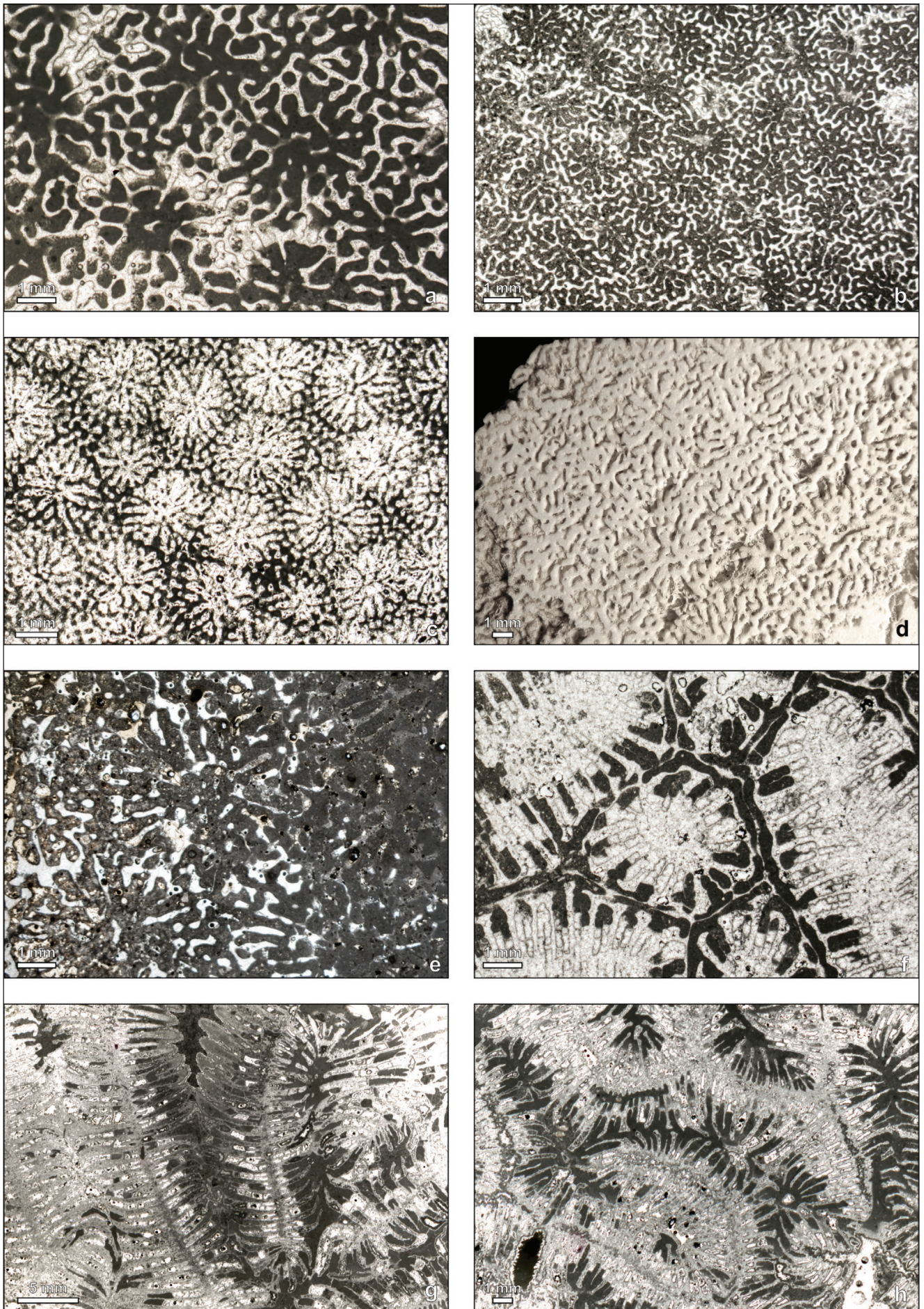


PLATE 4

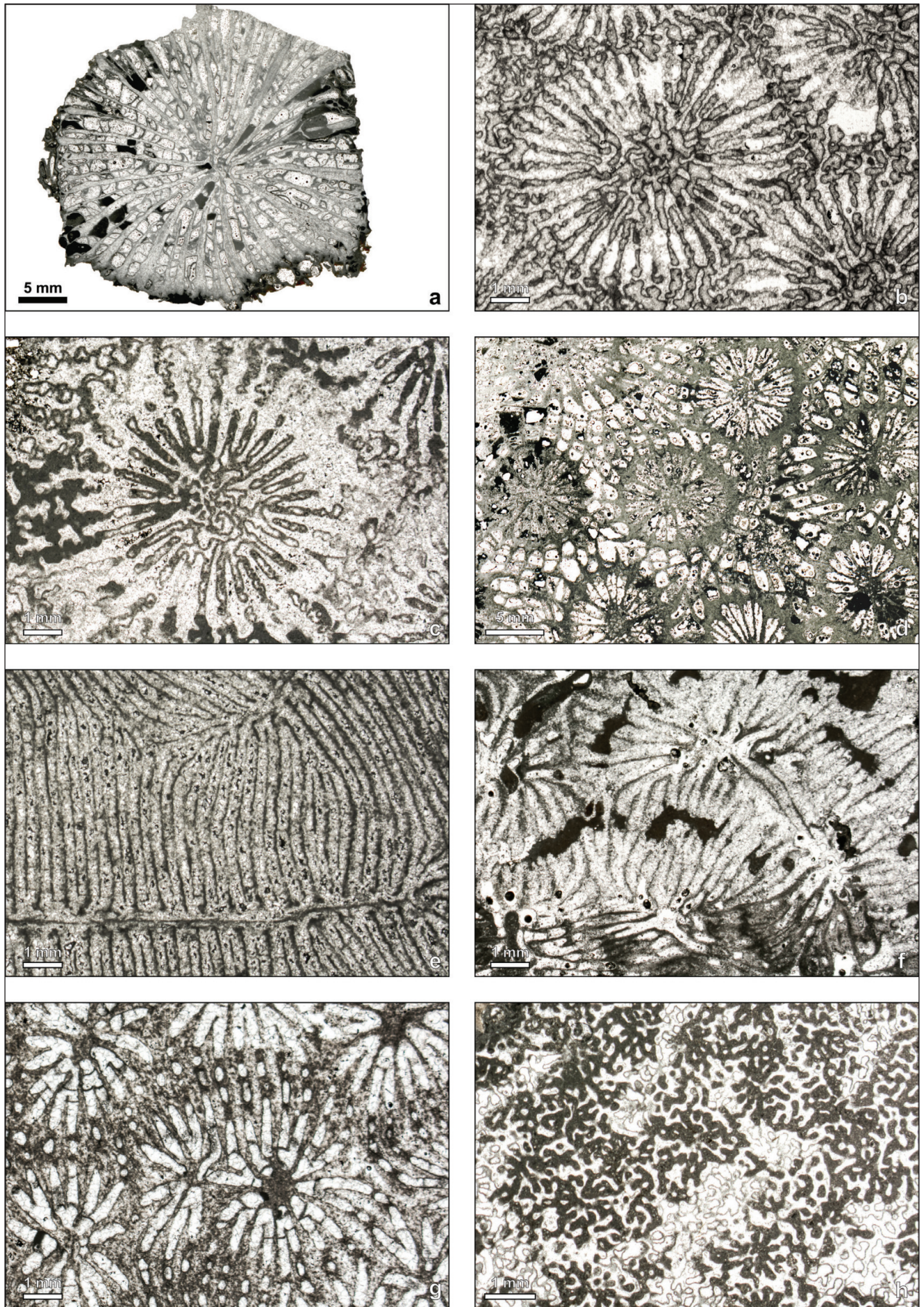


PLATE 5

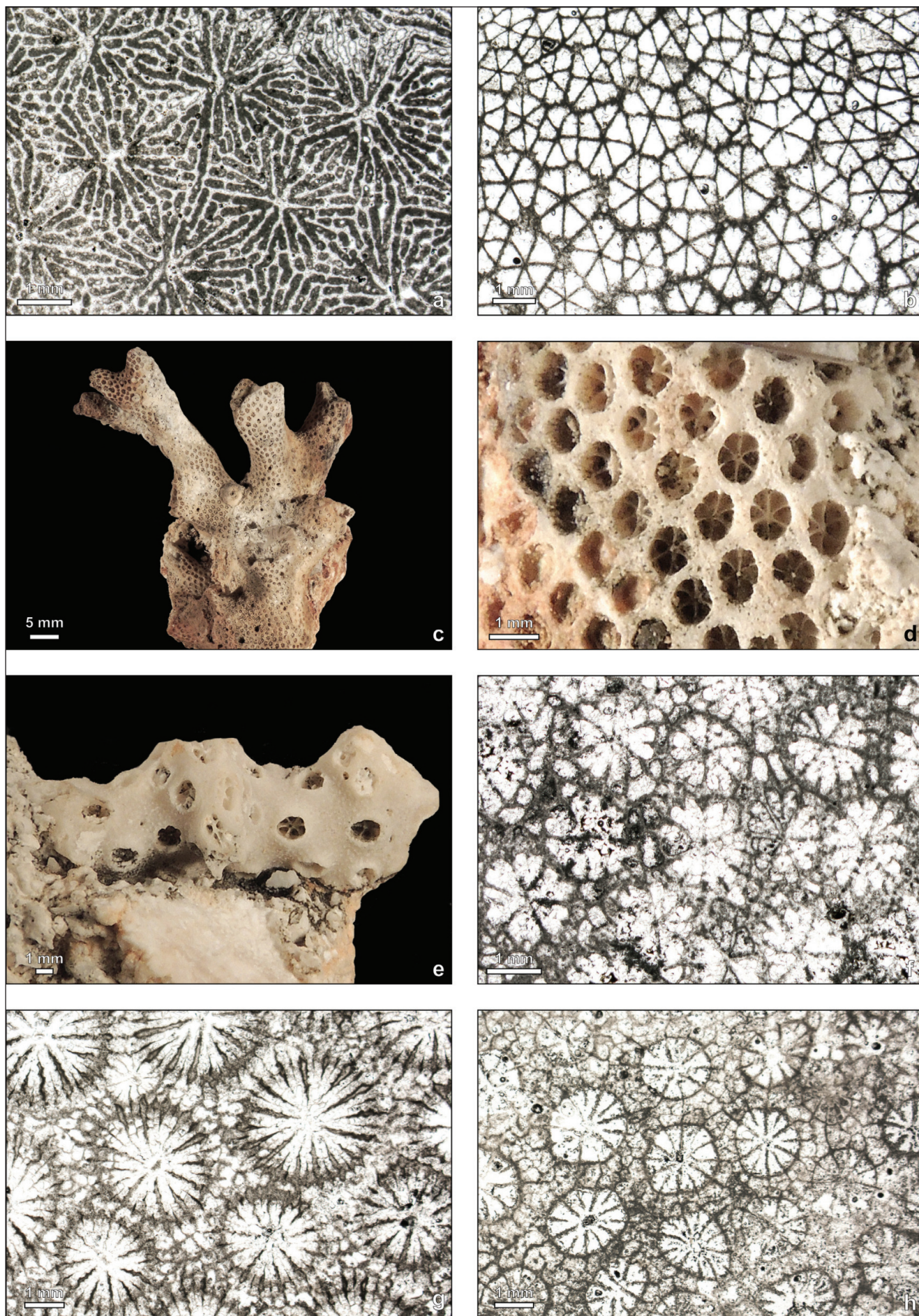


PLATE 6

