



Figure S1. *Trachemys haugrudi*, paratype nearly complete shell (ETMNH-3558).

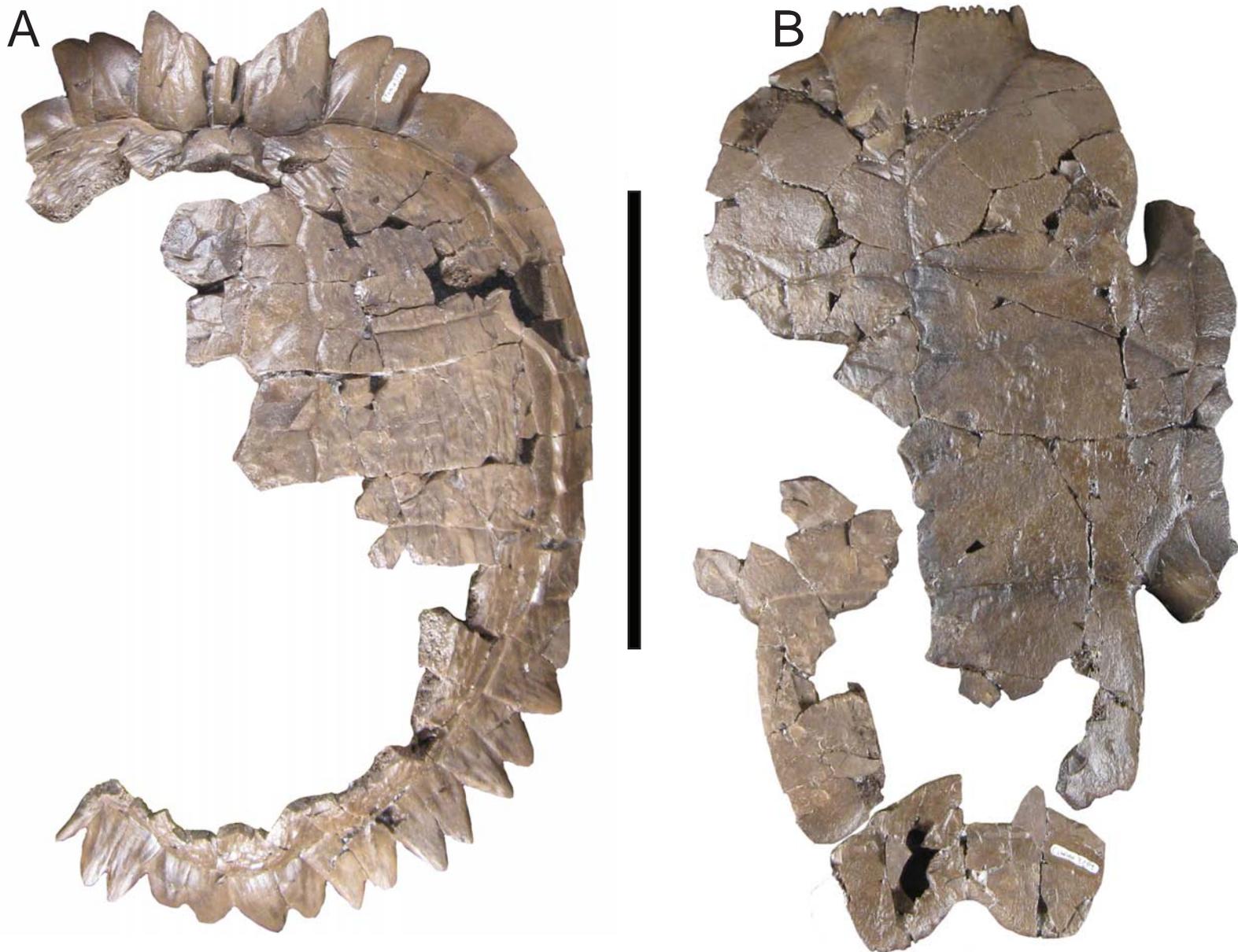


Figure S2. *Trachemys haugrudi*, paratype incomplete shell (ETMNH-3562).

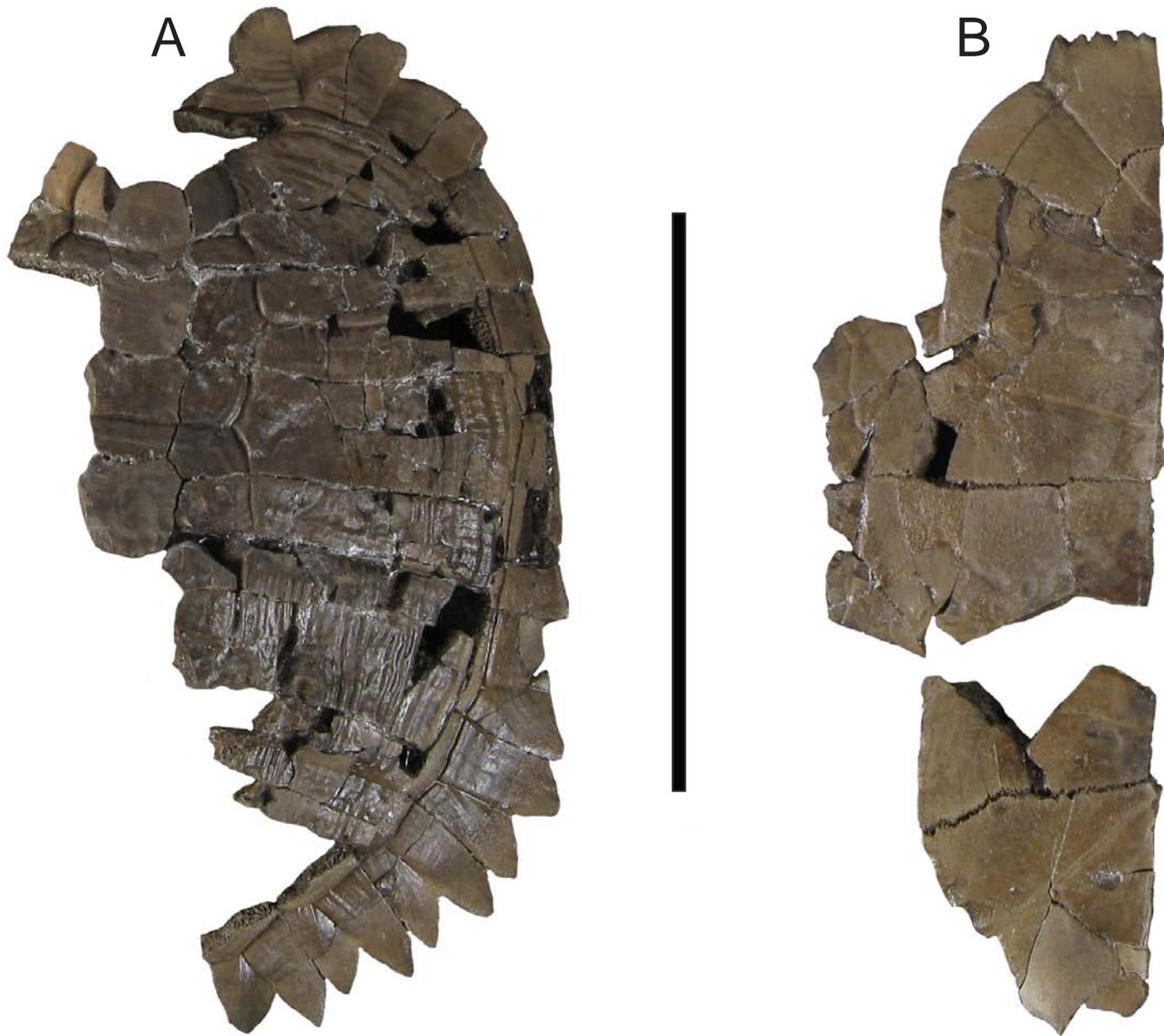


Figure S3. *Trachemys haugrudi*, paratype incomplete shell (ETMNH-4686).

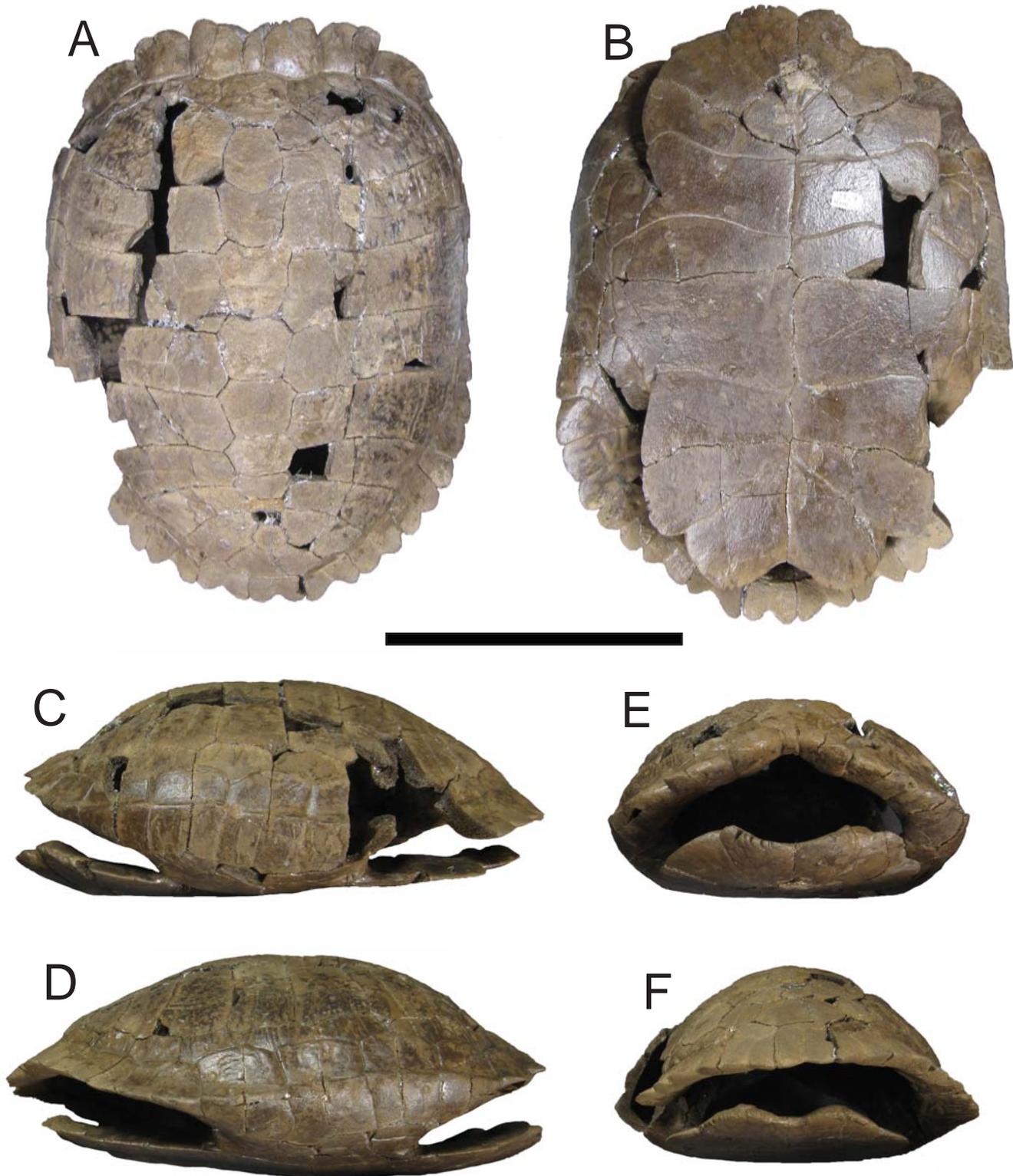




Figure S5. *Trachemys haugrudi*, paratype nearly complete juvenile plastron (ETMNH-7630).

A



B



C



D



Figure S6. *Trachemys haugrudi*, referred fragmentary carapace and plastron (ETMNH-8311).

A



B



C



D



Figure S7. *Trachemys haugrudi*, referred partial carapace and plastron (ETMNH-8550).

A



B

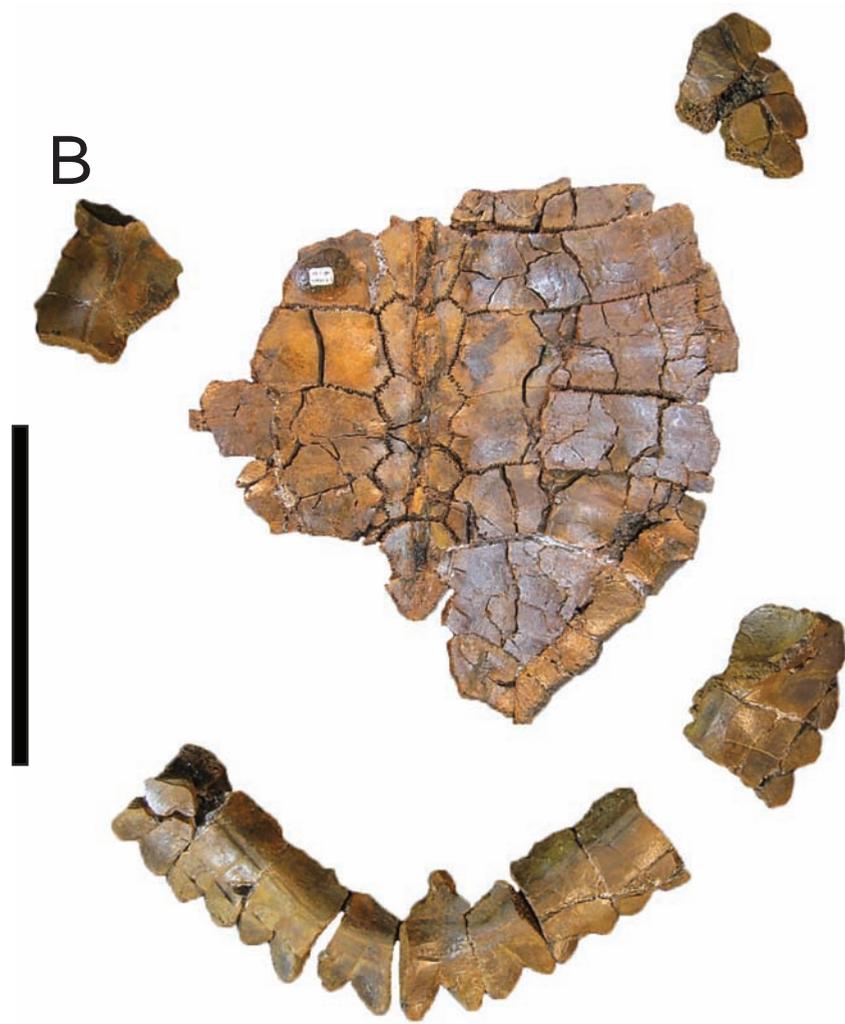


Figure S8. *Trachemys haugrudi*, referred incomplete carapace (ETMNH-10390).

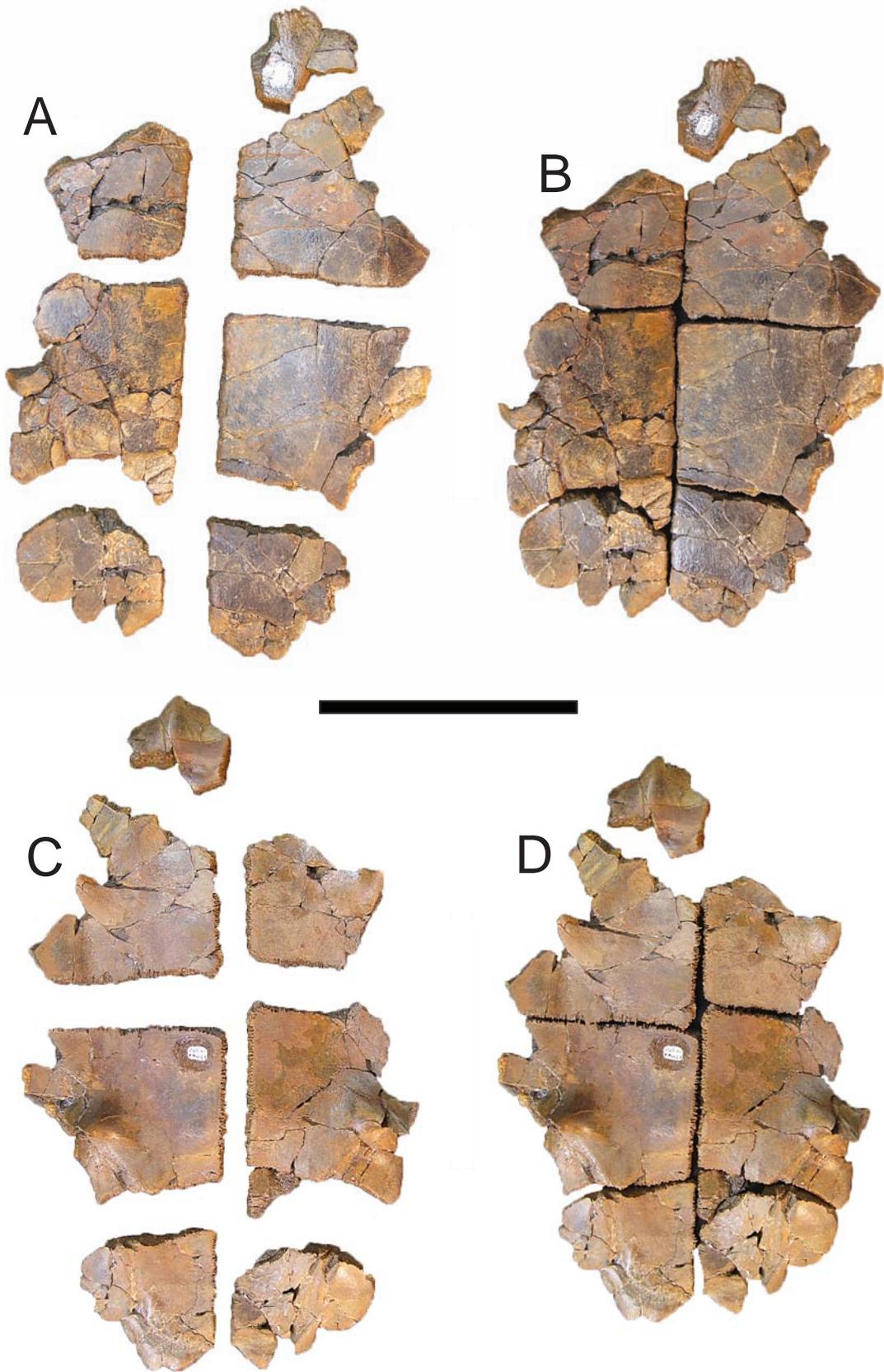


Figure S9. *Trachemys haugrudi*, referred nearly complete plastron (ETMNH-10390).

A



B



Figure S10. *Trachemys haugrudi*, referred incomplete juvenile plastron (ETMNH-10391).

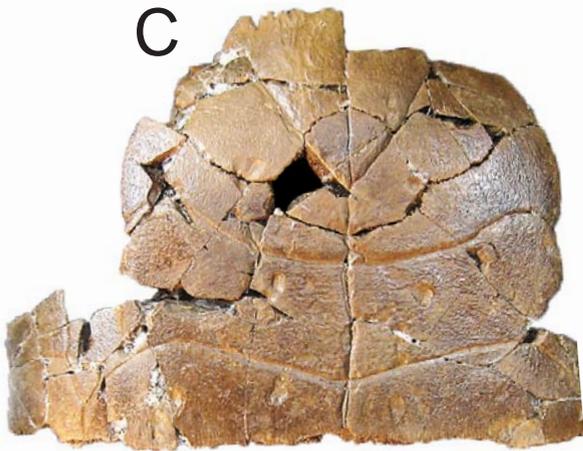


Figure S11. *Trachemys haugrudi*, referred partial carapace and plastron (ETMNH-10547).

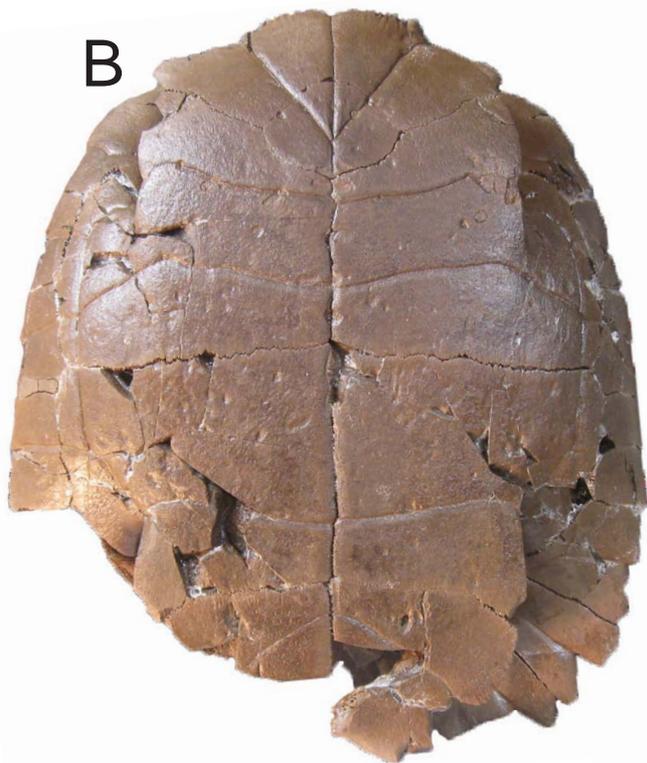


Figure S12. *Trachemys haugrudi*, paratype nearly complete shell (ETMNH-11642).

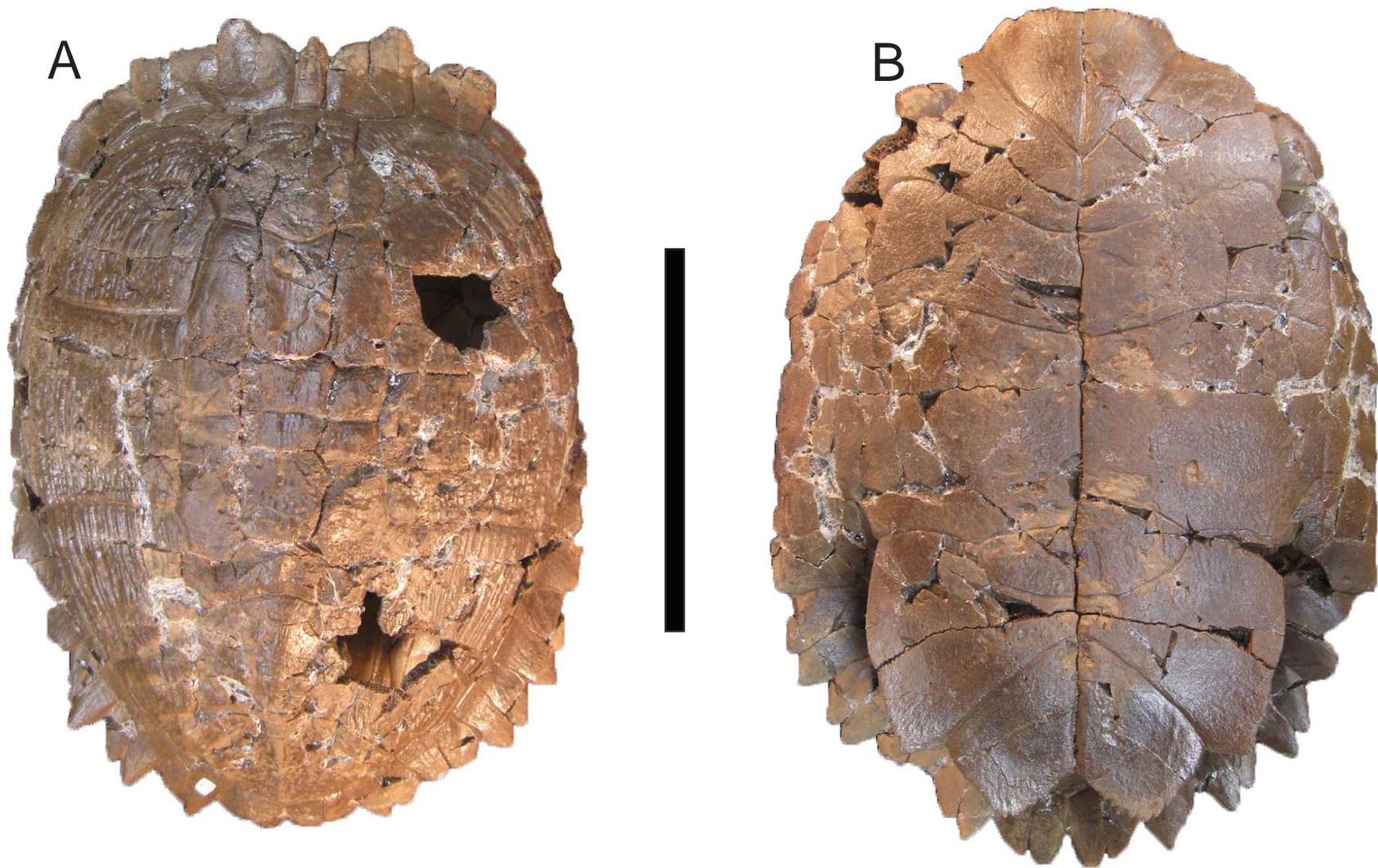


Figure S13. *Trachemys haugrudi*, paratype nearly complete shell (ETMNH-11643).

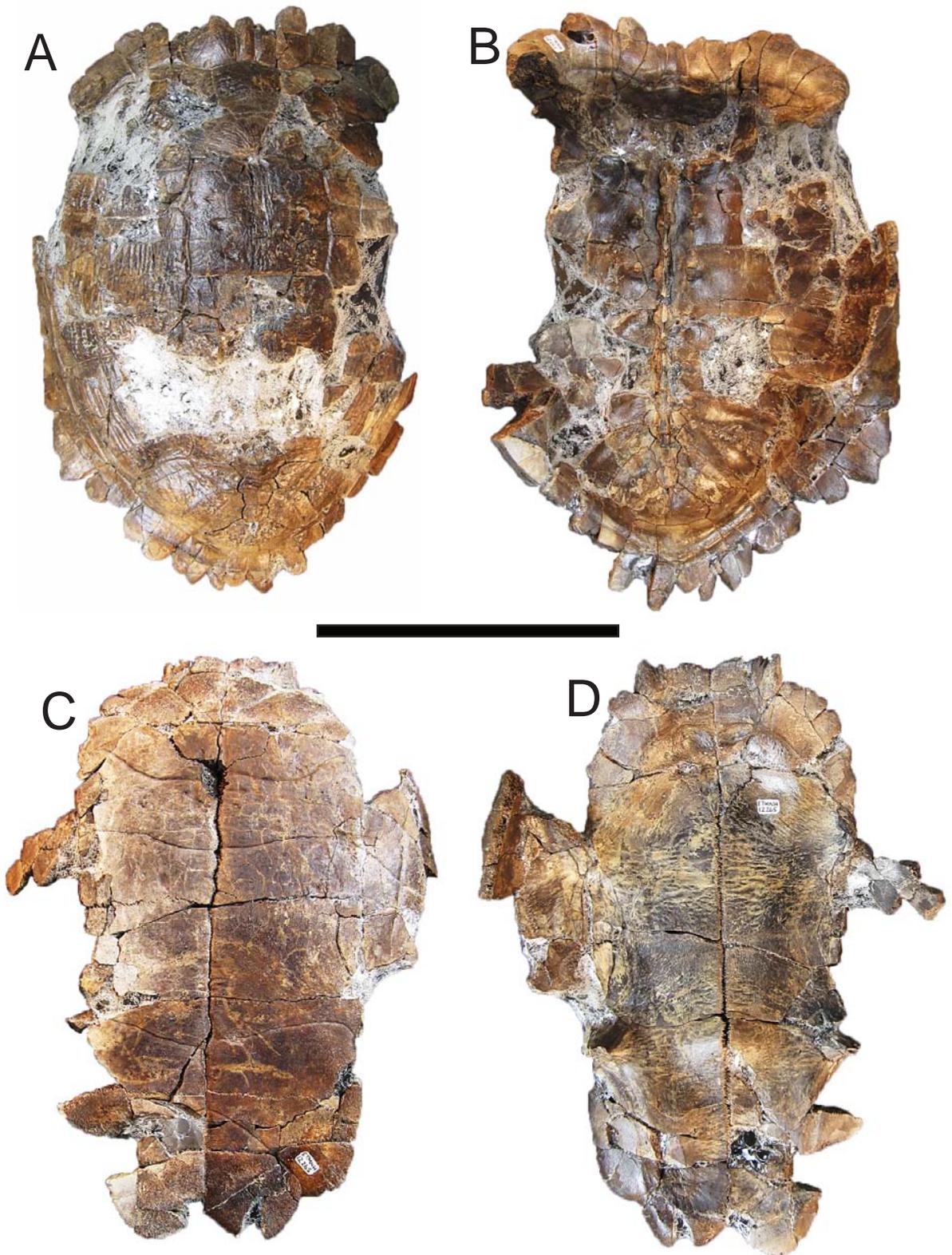


Figure S14. *Trachemys haugrudi*, referred incomplete carapace and nearly complete plastron (ETMNH-12265).

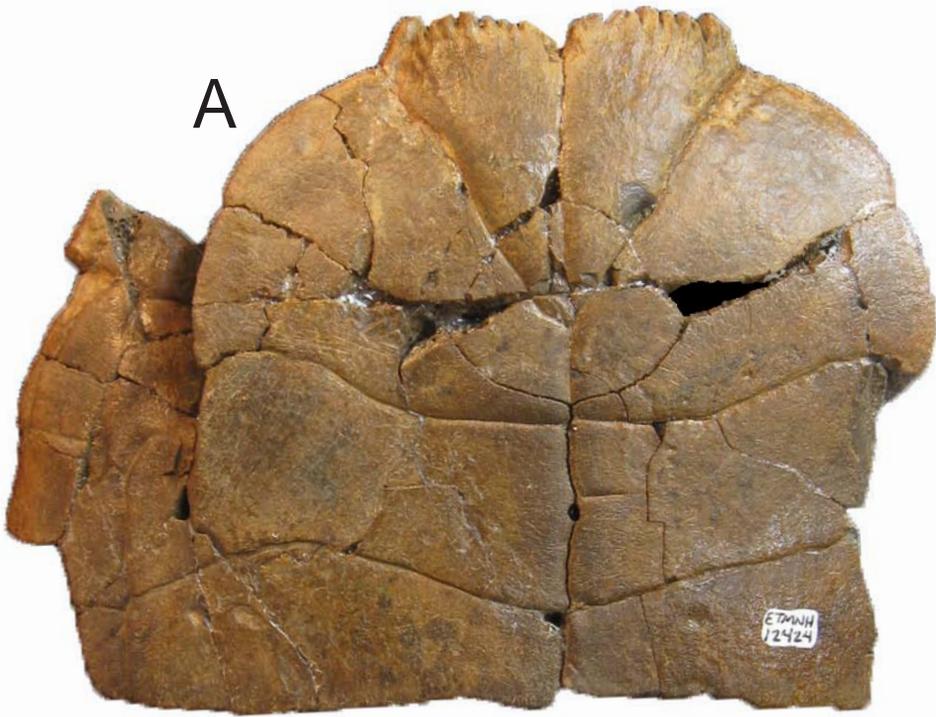


Figure S15. *Trachemys haugrudi*, referred anterior plastron (ETMNH-12424).



Figure S16. *Trachemys haugrudi*, paratype nearly complete shell (ETMNH-12456).



Figure S17. *Trachemys haugrudi*, paratype nearly complete carapace and plastron (ETMNH-12457).

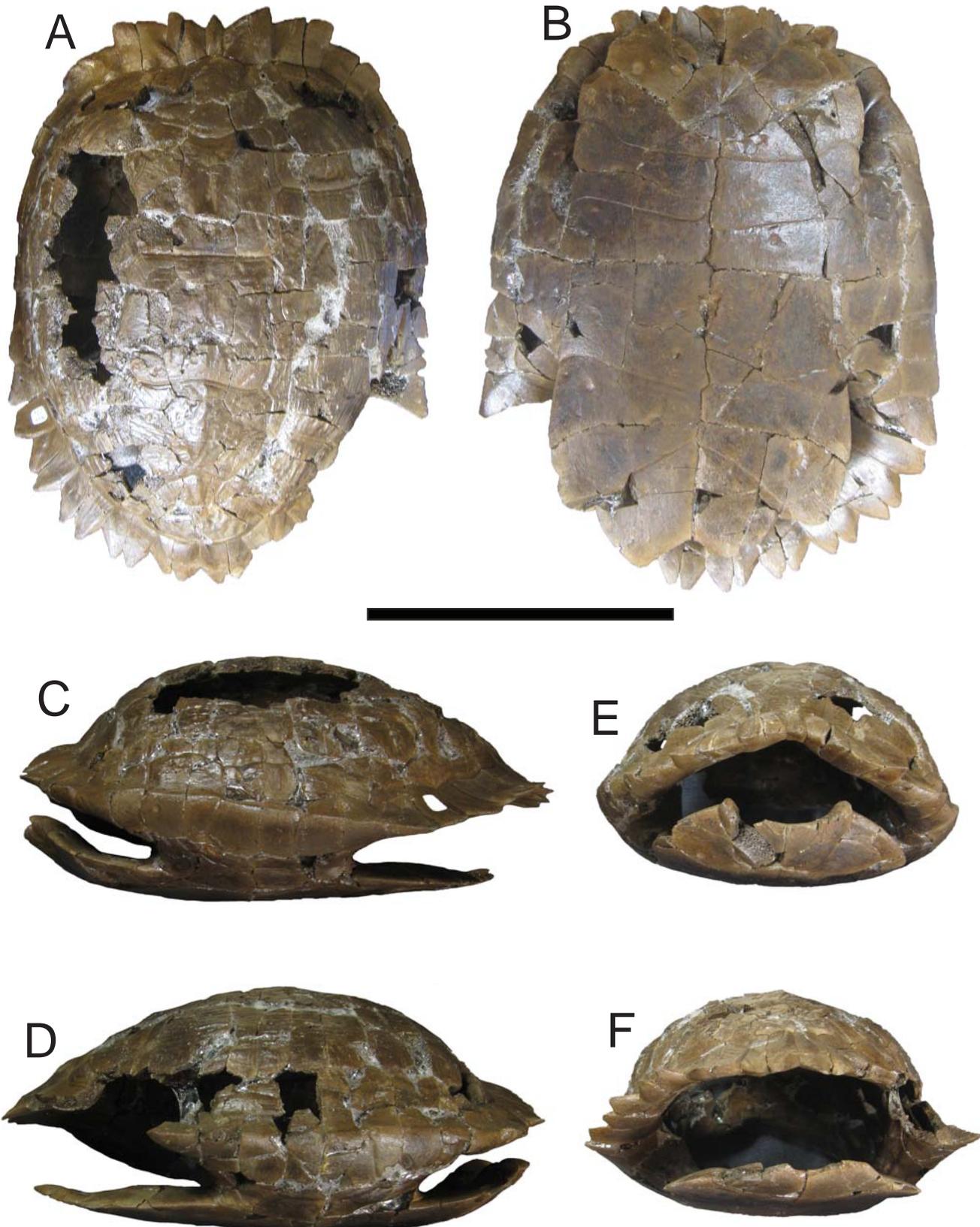


Figure S18. *Trachemys haugrudi*, paratype nearly complete shell (ETMNH-12726).

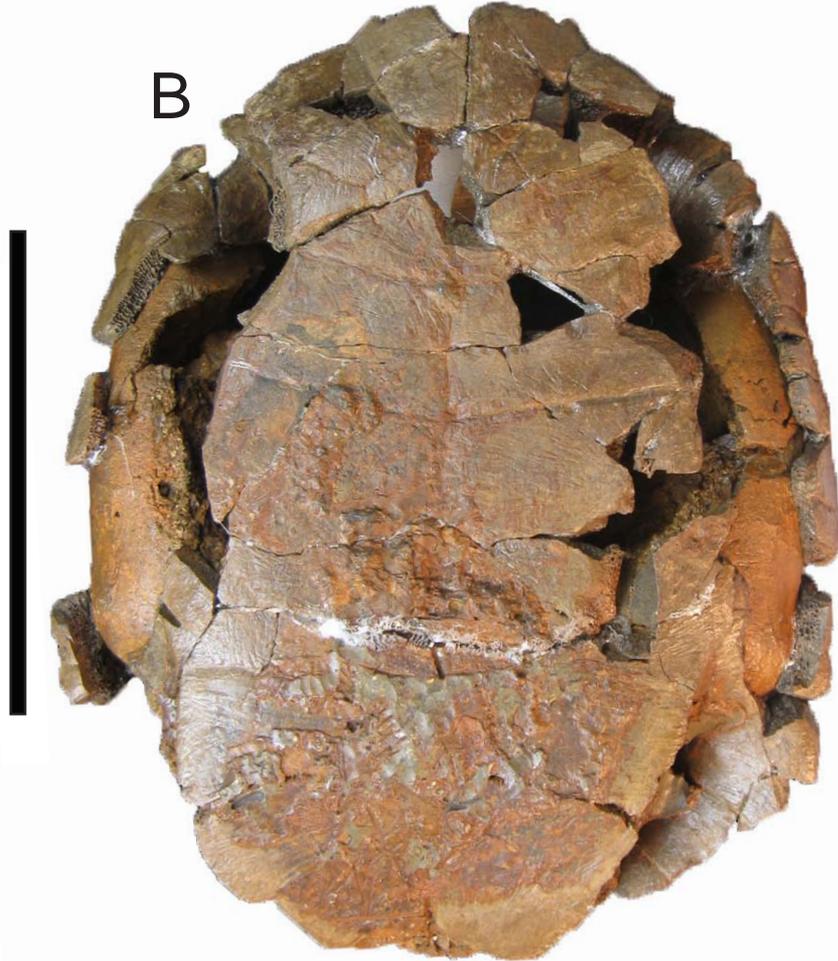
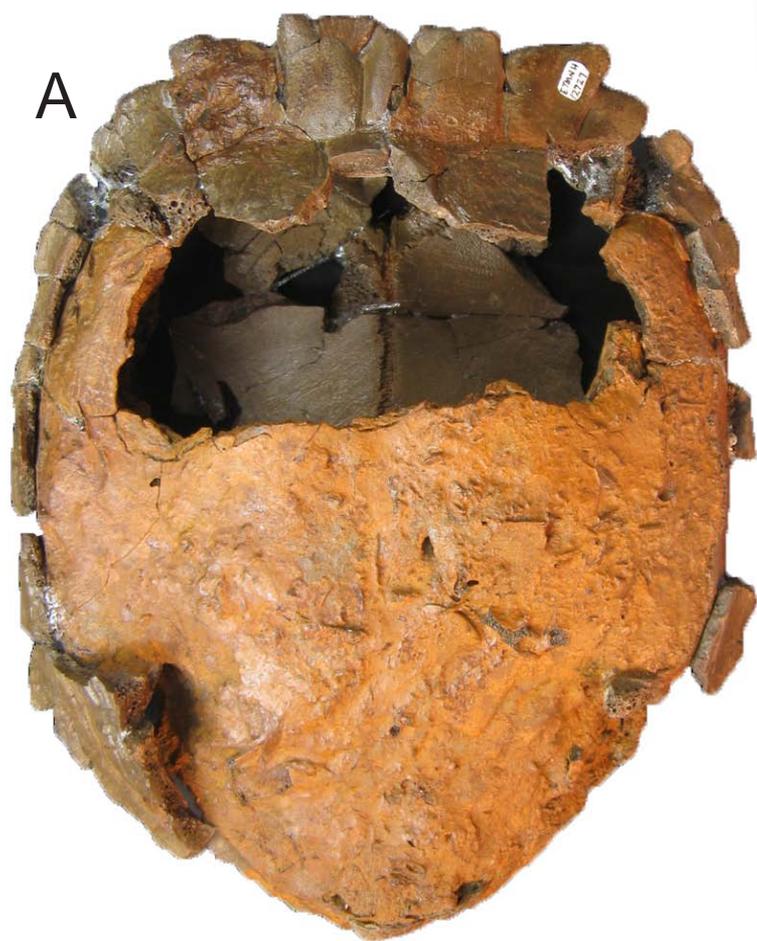


Figure S19. *Trachemys haugrudi*, referred incomplete shell (ETMNH-12727).

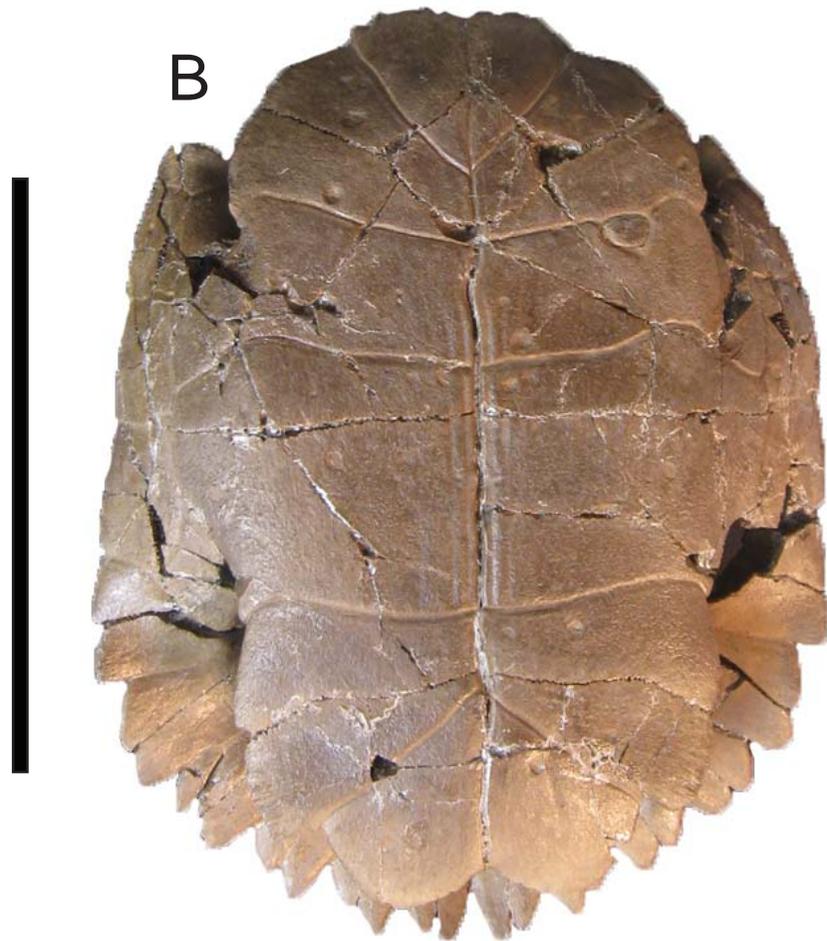


Figure S20. *Trachemys haugrudi*, paratype incomplete juvenile shell (ETMNH-12753).

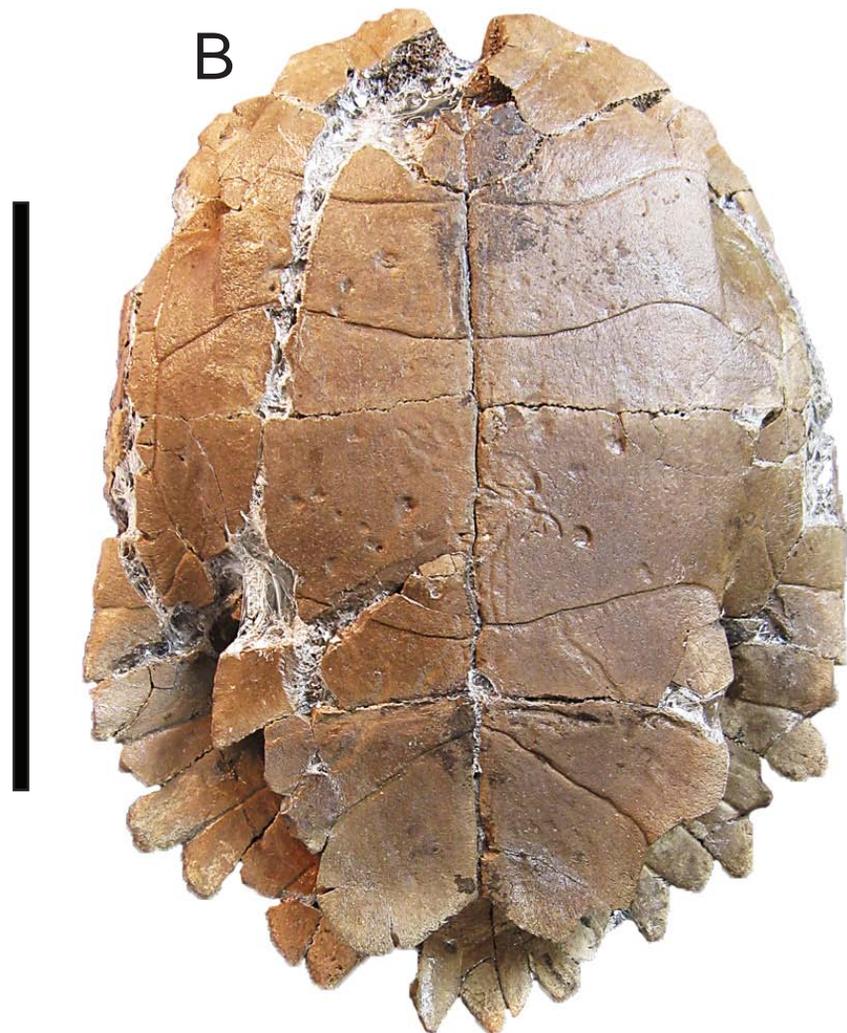


Figure S21. *Trachemys haugrudi*, referred nearly complete shell (ETMNH-12772).

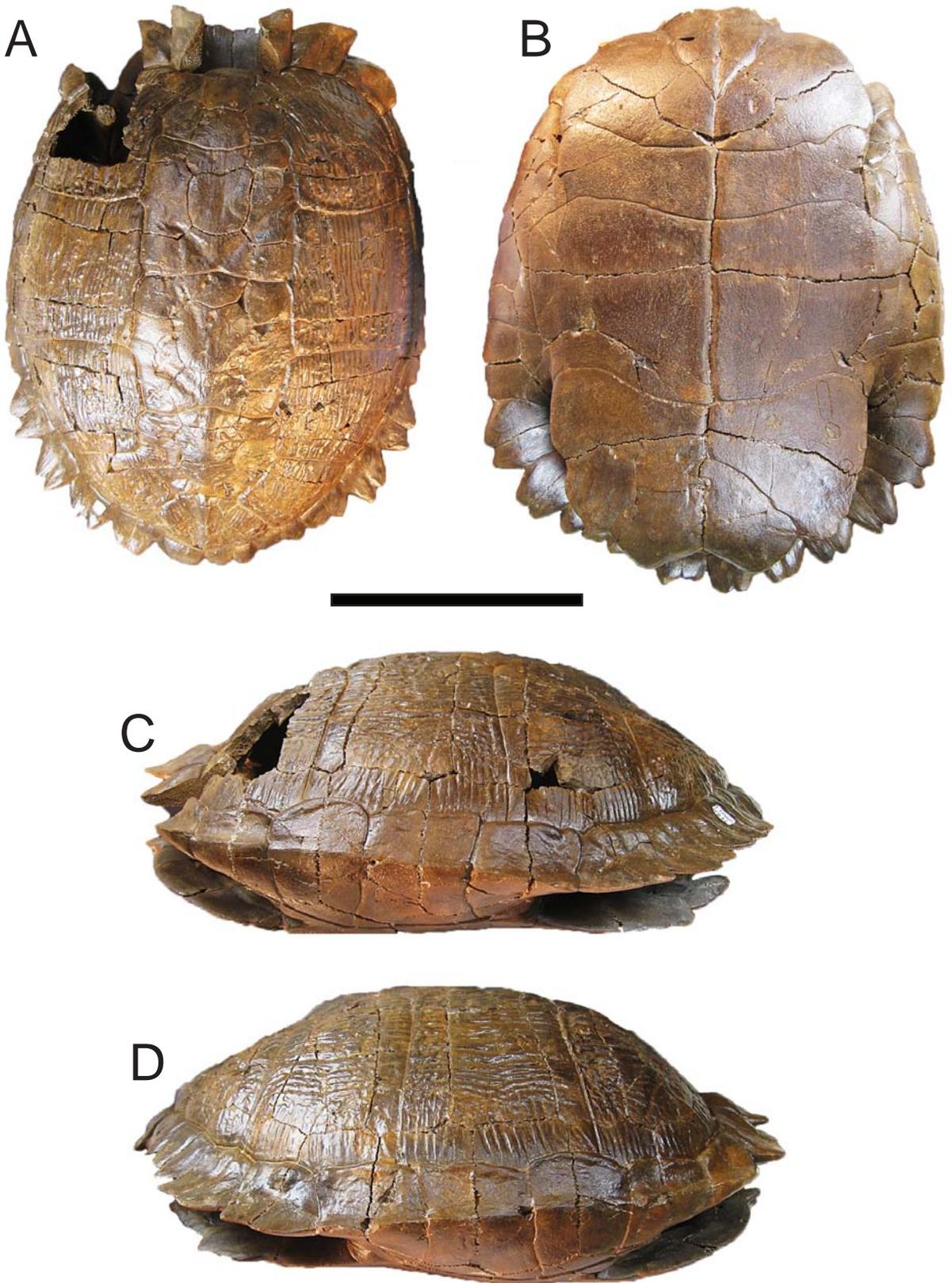


Figure S22. *Trachemys haugrudi*, paratype nearly complete shell (ETMNH-12832).

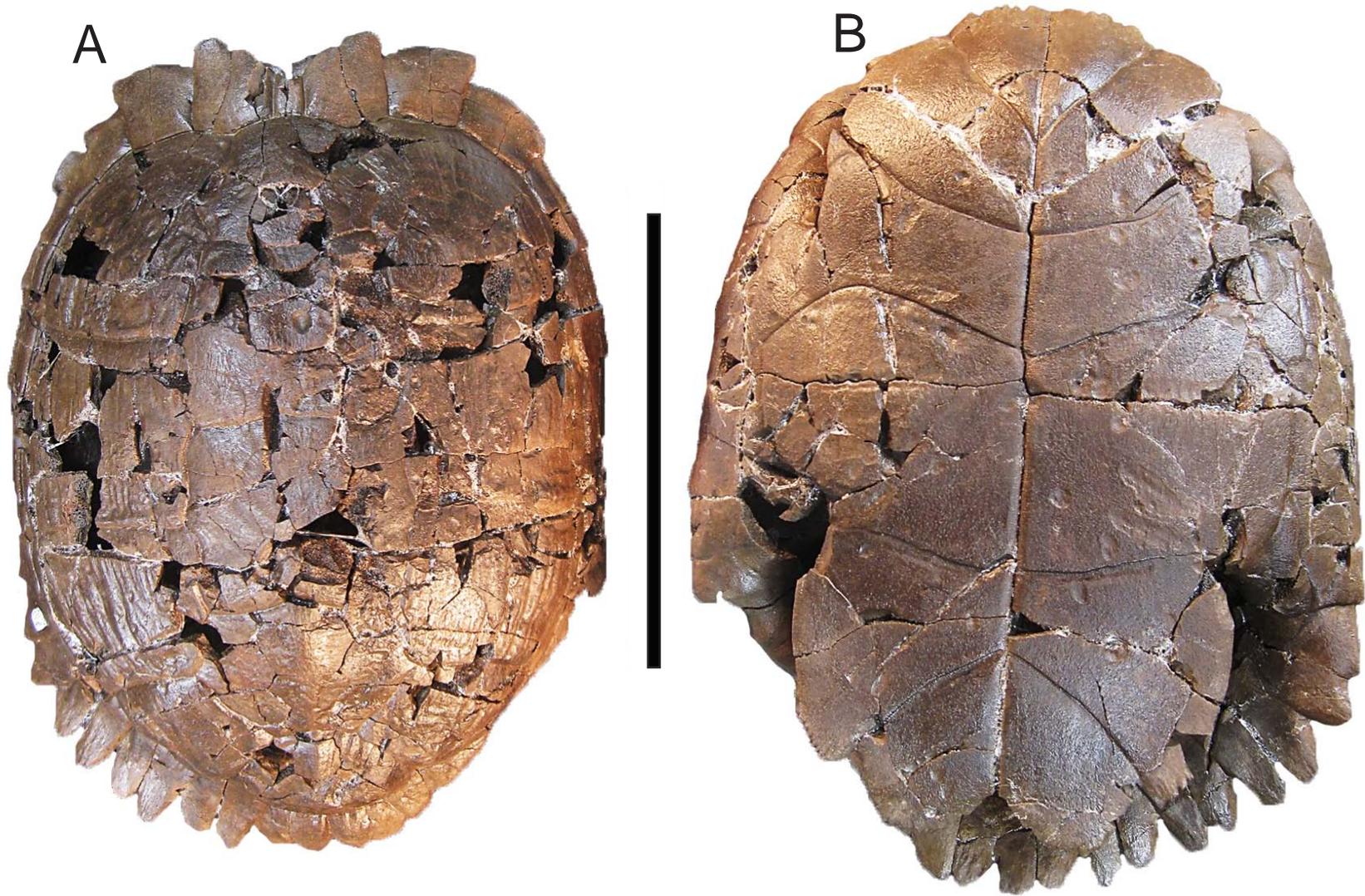


Figure S23. *Trachemys haugrudi*, paratype nearly complete shell (ETMNH-12833).



Figure S24. *Trachemys haugrudi*, referred incomplete carapace and plastron (ETMNH-12834).

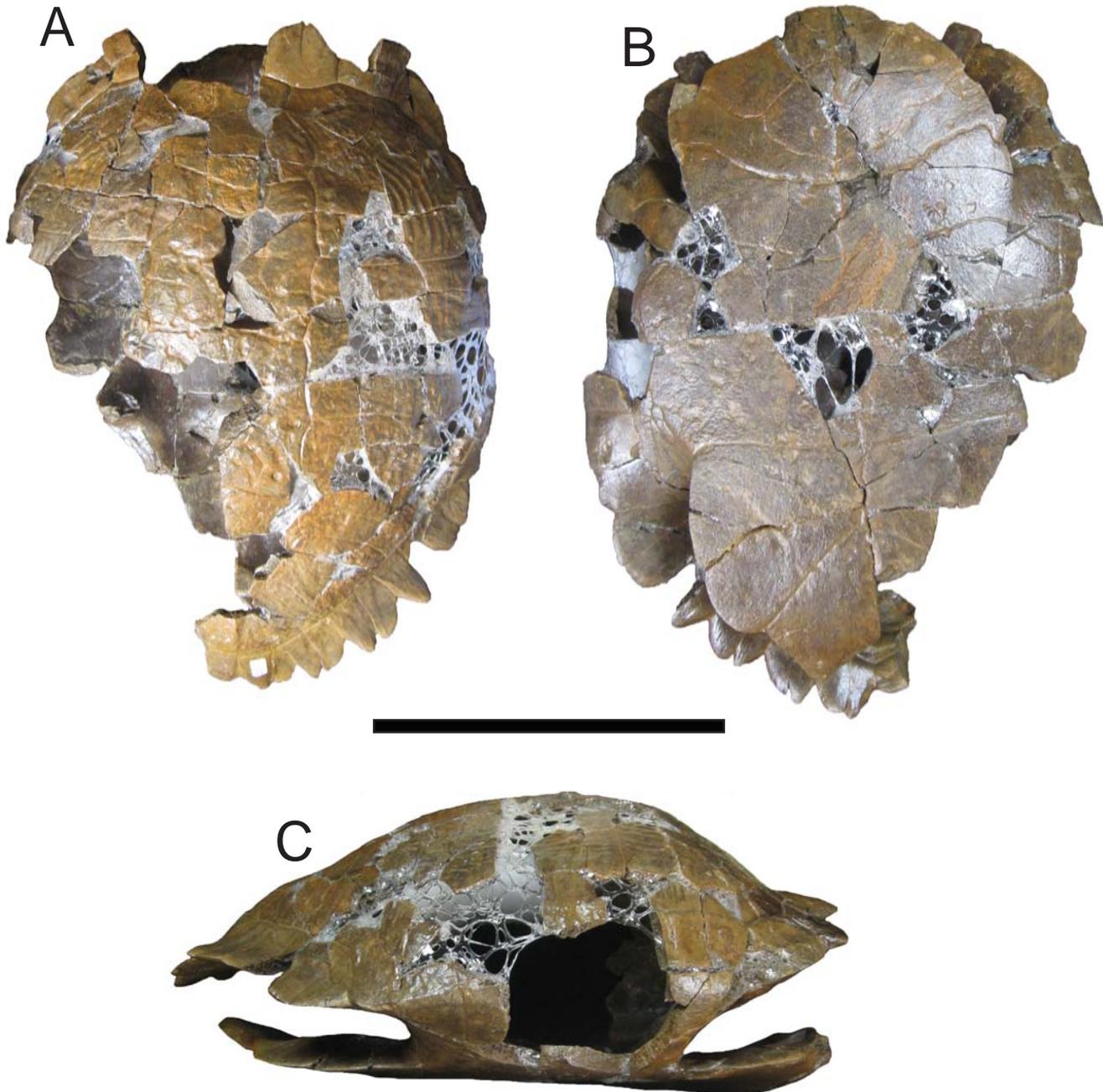




Figure S26. *Trachemys haugrudi*, referred incomplete carapace and plastron (ETMNH-12988).

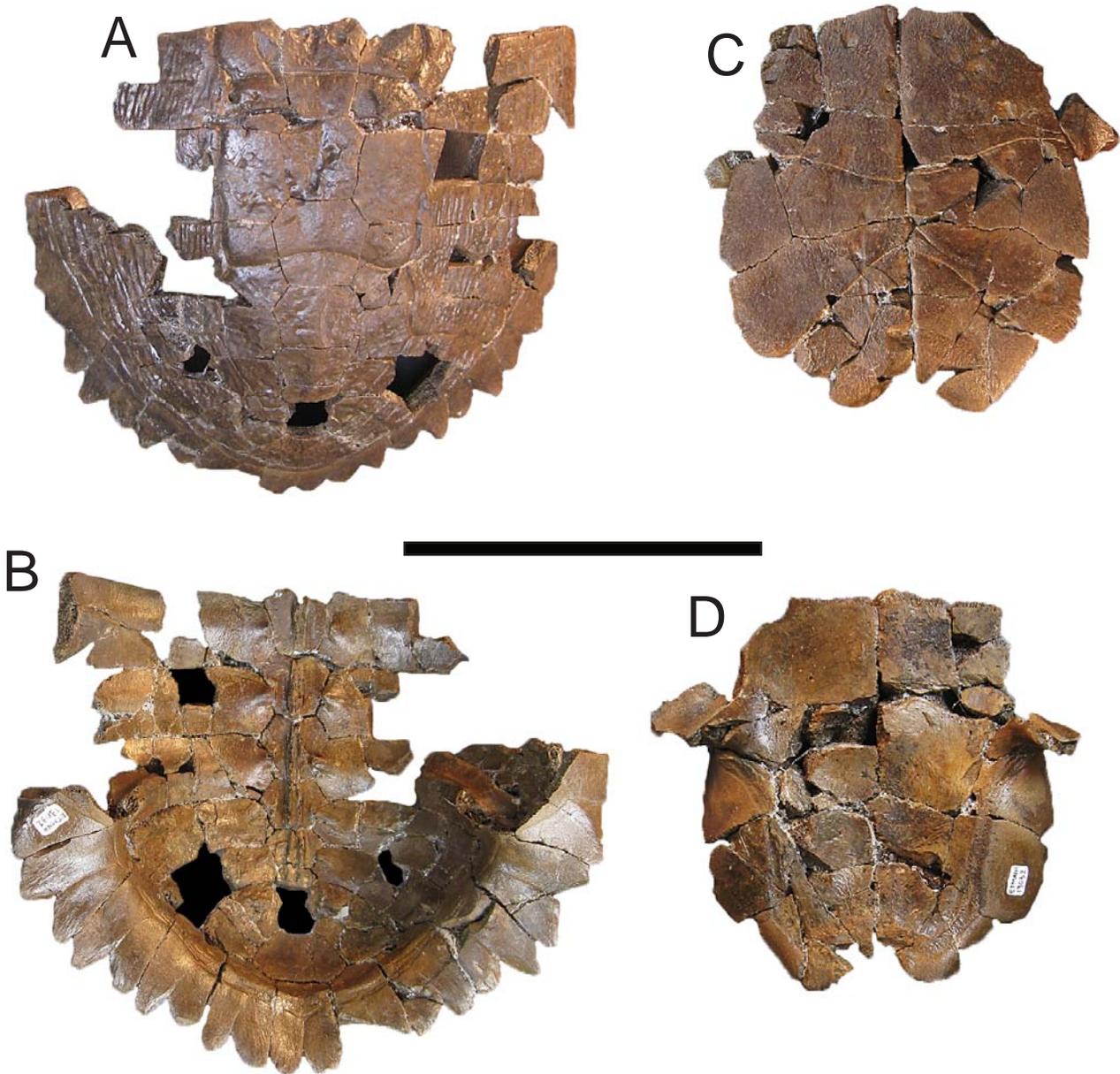
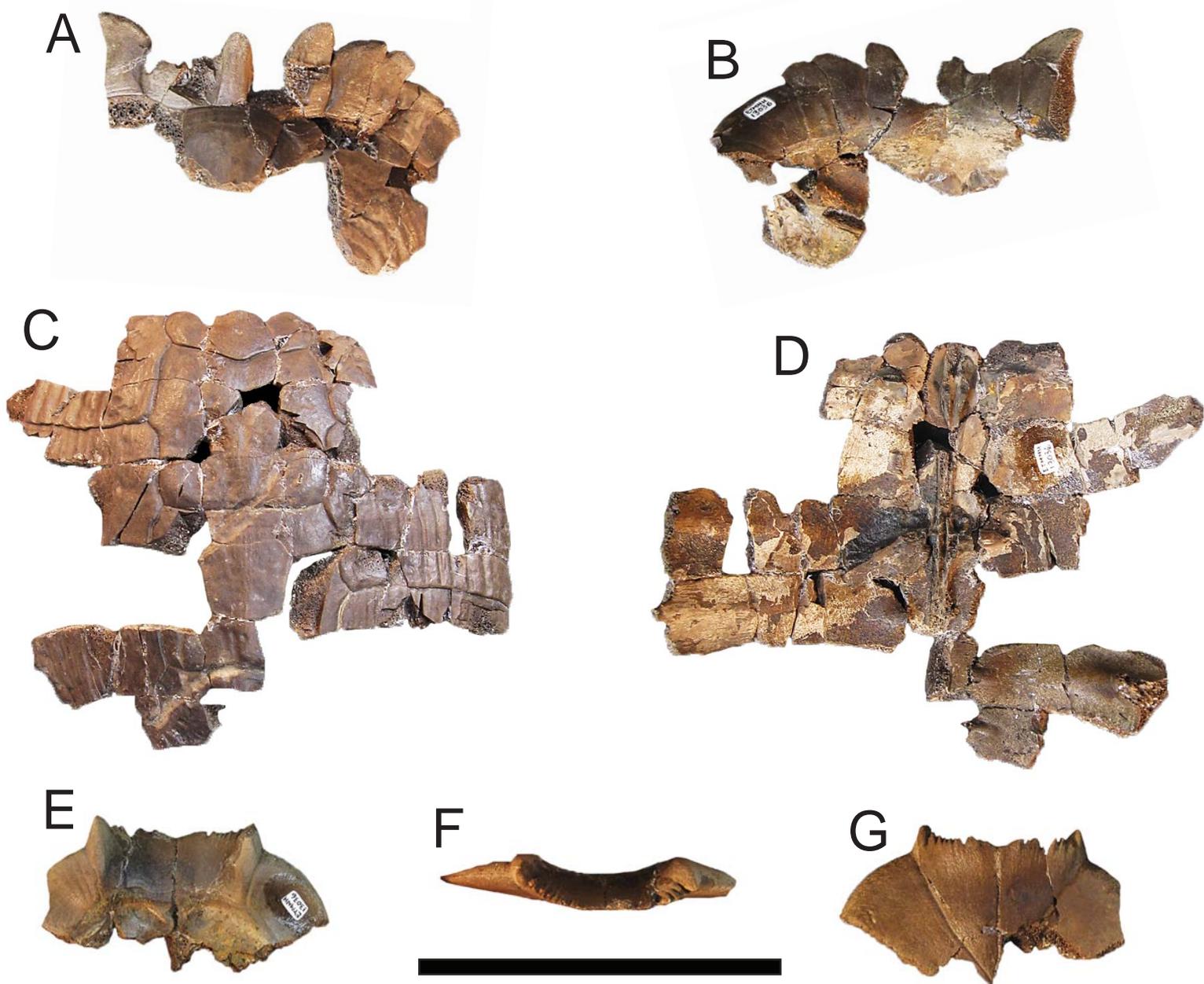


Figure S27. *Trachemys haugrudi*, referred incomplete carapace and plastron (ETMNH-13032).



Figure S28. *Trachemys haugrudi*, referred incomplete plastron (ETMNH-13033).



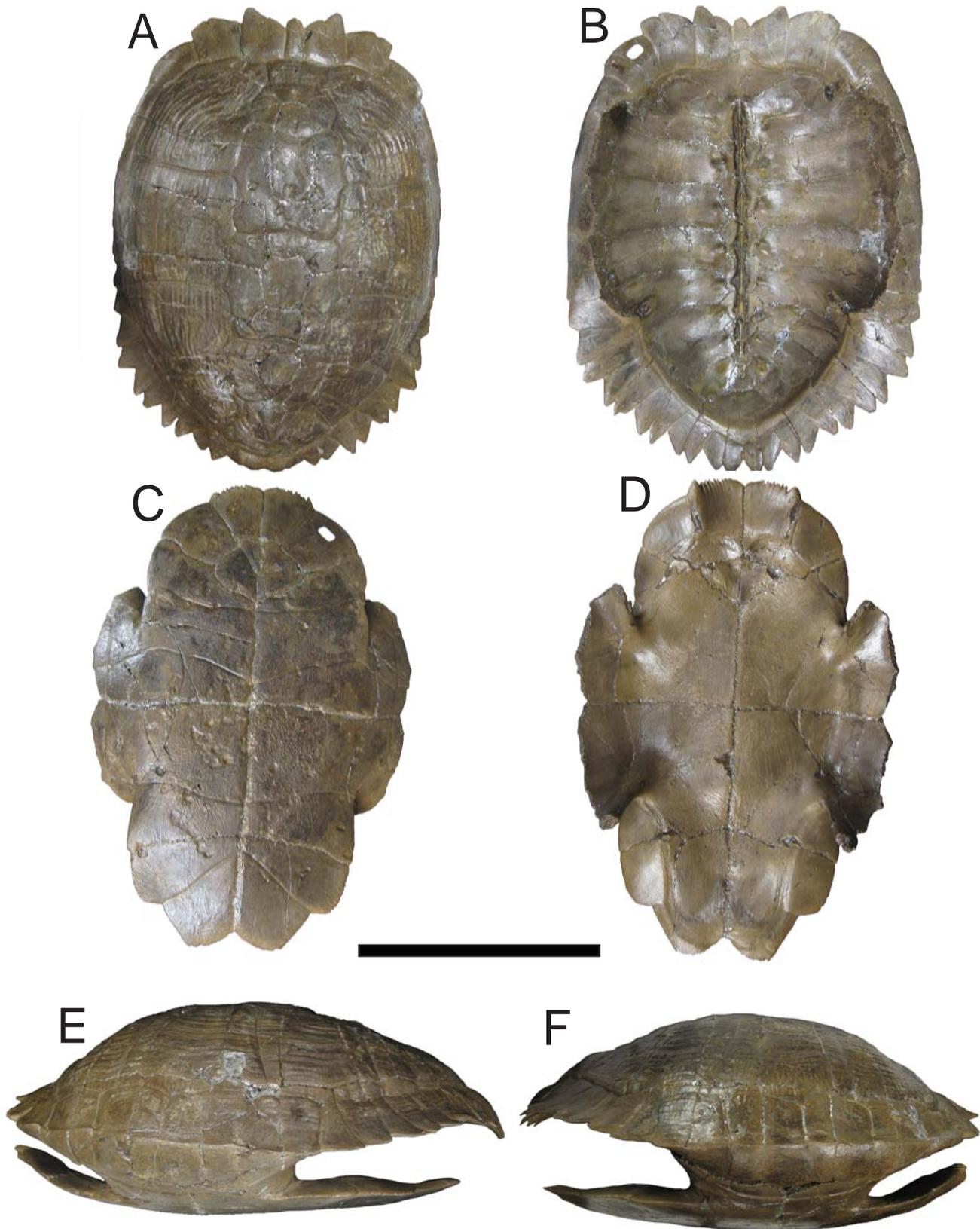


Figure S30. *Trachemys haugrudi*, paratype complete carapace and plastron (ETMNH-14362).



Figure S31. *Trachemys haugrudi*, paratype incomplete skull (ETMNH-7690).

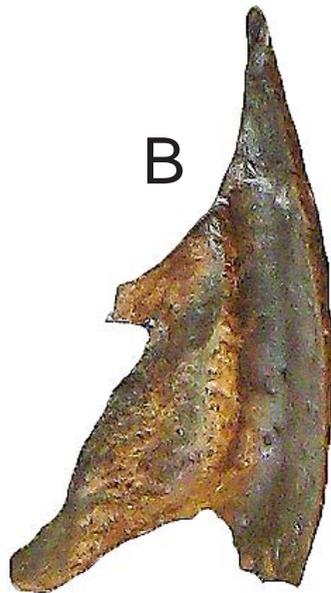


Figure S32. *Trachemys haugrudi*, paratype left maxilla (ETMNH-12457).



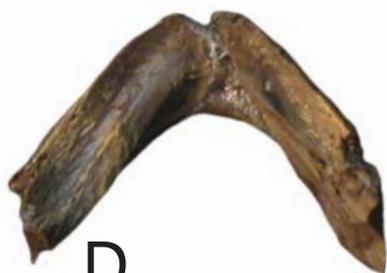
A



B



C



D



E



F



G



H



I

Figure S33. *Trachemys haugrudi*, lower jaws.



A



B



C



D



E



F

Figure S34. *Trachemys haugrudi*, holotype nearly complete cervical vertebra II (= axis, ETMNH-8549).



A



B



C



D



E



F

Figure S35. *Trachemys haugrudi*, holotype nearly complete cervical vertebra III (ETMNH-8549).



A



B



C



D



E



F

Figure S36. *Trachemys haugrudi*, holotype nearly complete cervical vertebra IV (ETMNH-8549).



Figure S37. *Trachemys haugrudi*, holotype nearly complete cervical vertebra V (ETMNH-8549).

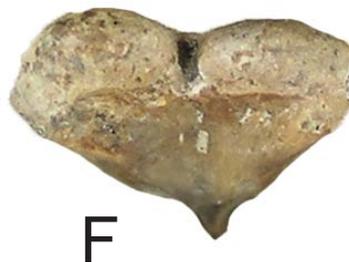
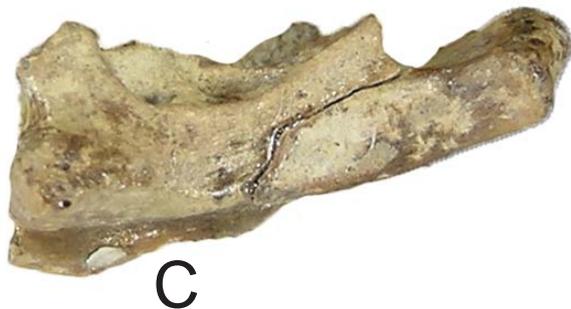
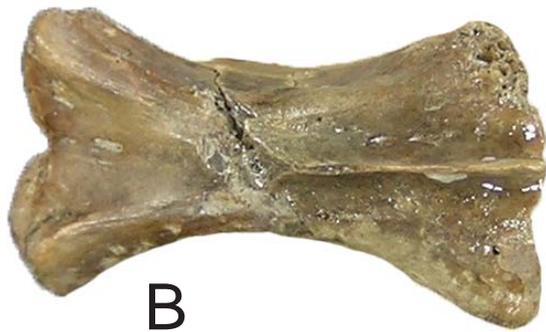
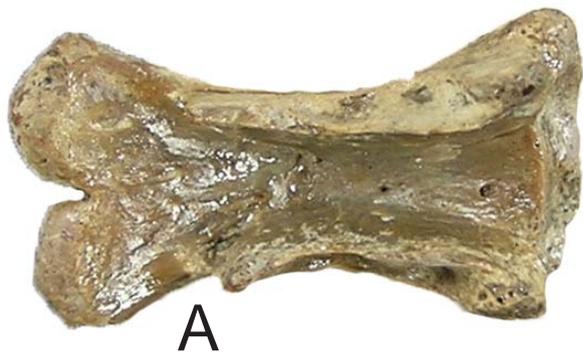
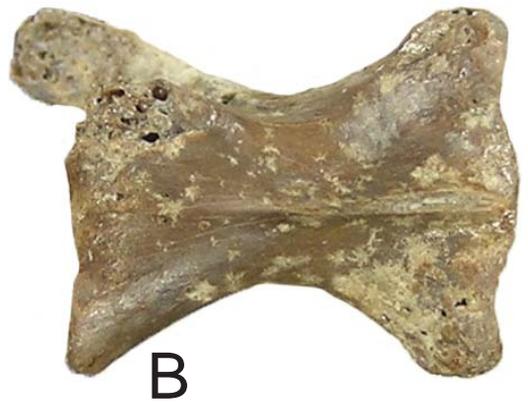


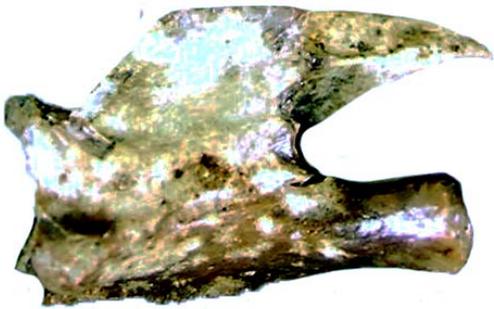
Figure S38. *Trachemys haugrudi*, holotype nearly complete cervical vertebra VI (ETMNH-8549).



A



B



C



D



E

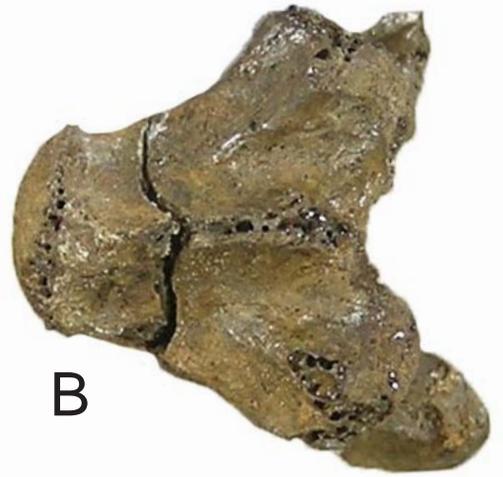


F

Figure S39. *Trachemys haugrudi*, holotype nearly complete cervical vertebra VII (ETMNH-8549).



A



B



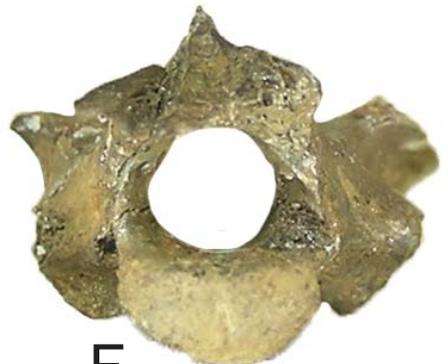
C



D



E

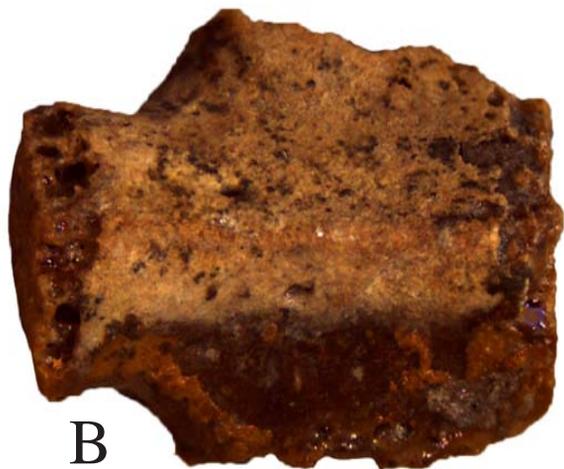


F

Figure S40. *Trachemys haugrudi*, paratype nearly complete cervical vertebra VIII (ETMNH-12832).



A



B



C



D

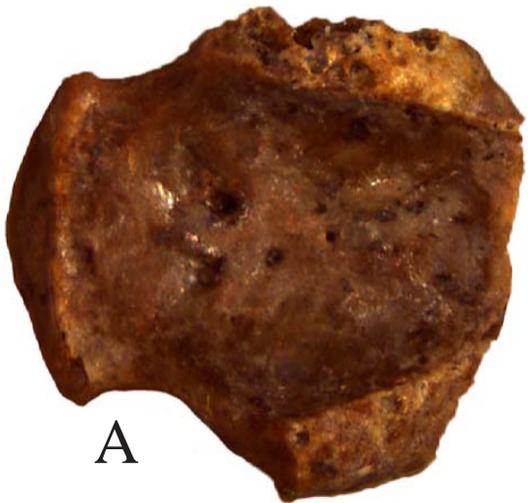


E

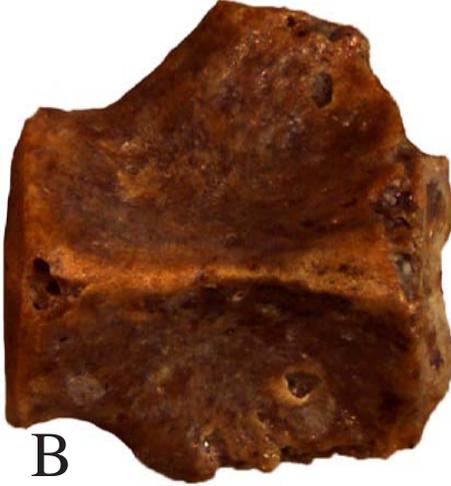


F

Figure S41. *Trachemys haugrudi*, holotype anterior dorsal vertebra (ETMNH-8549).



A



B



C



D

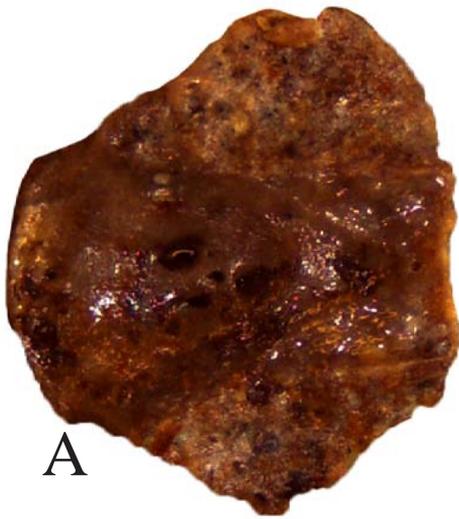


E

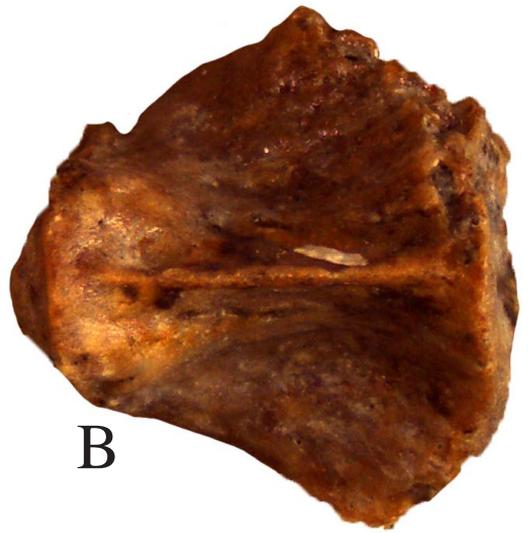


F

Figure S42. *Trachemys haugrudi*, holotype posterior dorsal vertebra (ETMNH-8549).



A



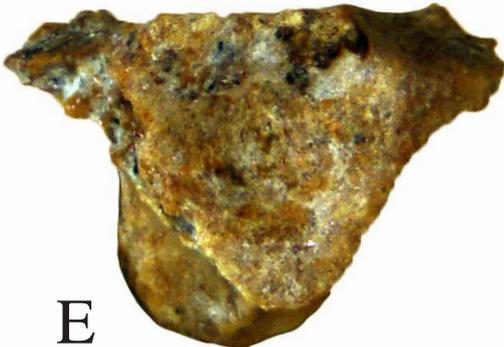
B



C



D



E



F

Figure S43. *Trachemys haugrudi*, holotype posterior dorsal vertebra (posterior to dorsal vertebra in Figure S42) (ETMNH-8549).

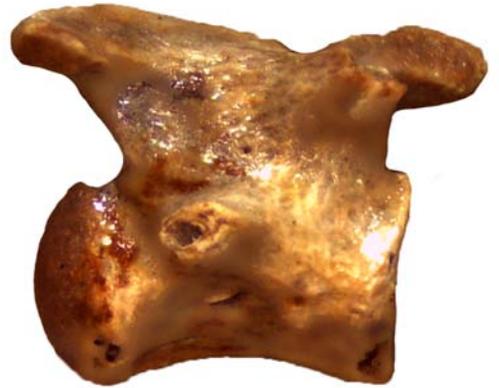
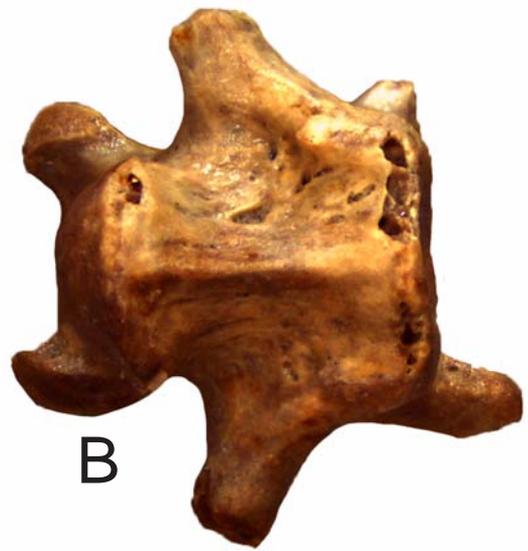
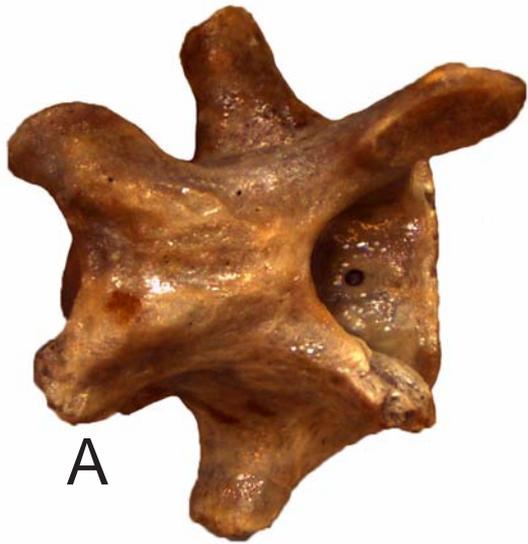


Figure S44. *Trachemys haugrudi*, holotype proximal caudal vertebra (ETMNH-8549).

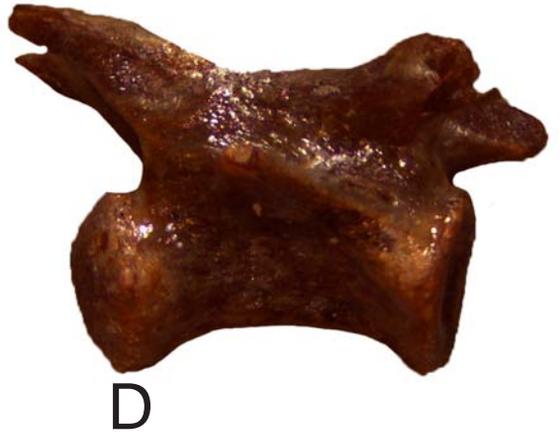
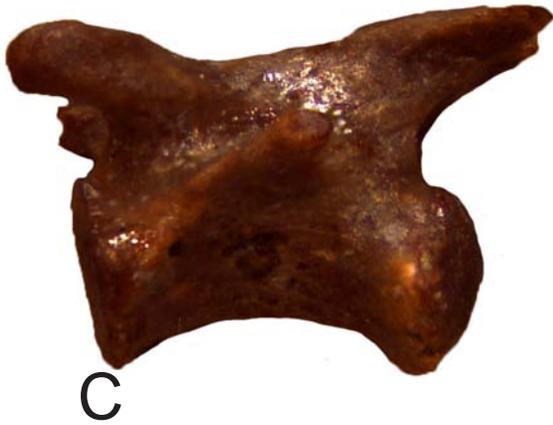
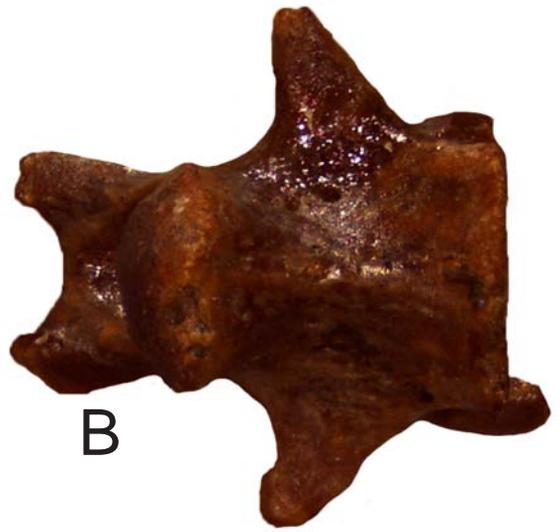
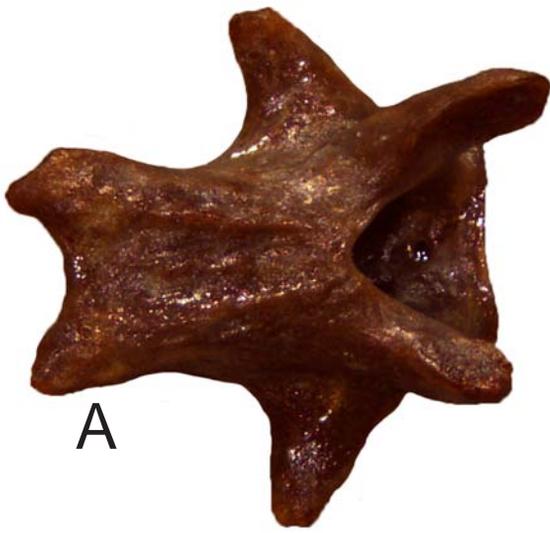


Figure S45. *Trachemys haugrudi*, holotype medioproximal caudal vertebra (posterior to caudal vertebra in Figure S44) (ETMNH-8549).

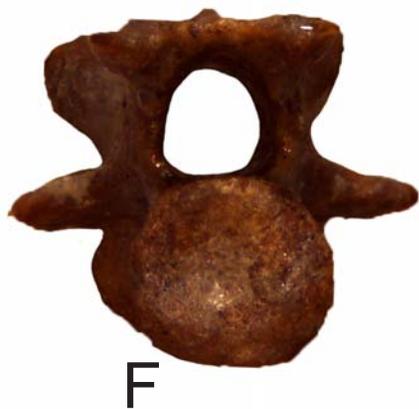
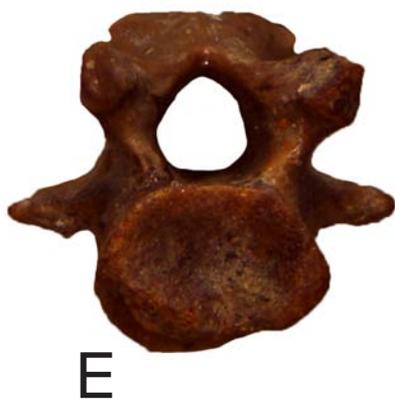
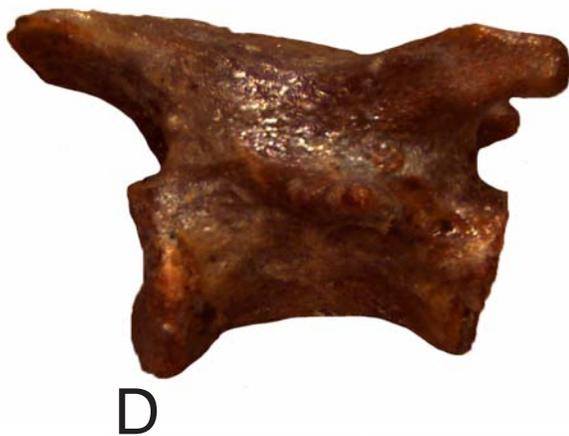
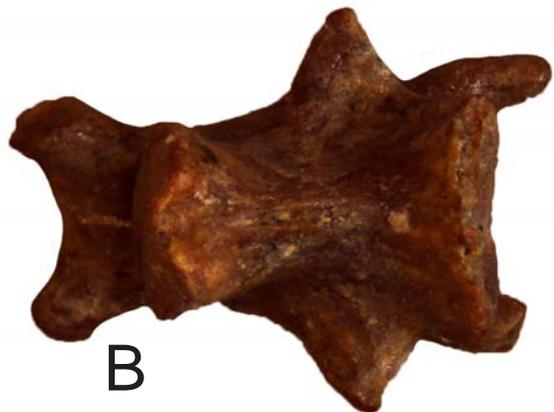


Figure S46. *Trachemys haugrudi*, holotype median caudal vertebra (ETMNH-8549).



A



B



C



D



E



F

Figure S47. *Trachemys haugrudi*, holotype mediiodistal caudal vertebra (ETMNH-8549).



A



B



C



D



E



F

Figure S48. *Trachemys haugrudi*, holotype distal caudal vertebra (posterior to caudal vertebra in Figure S47) (ETMNH-8549).

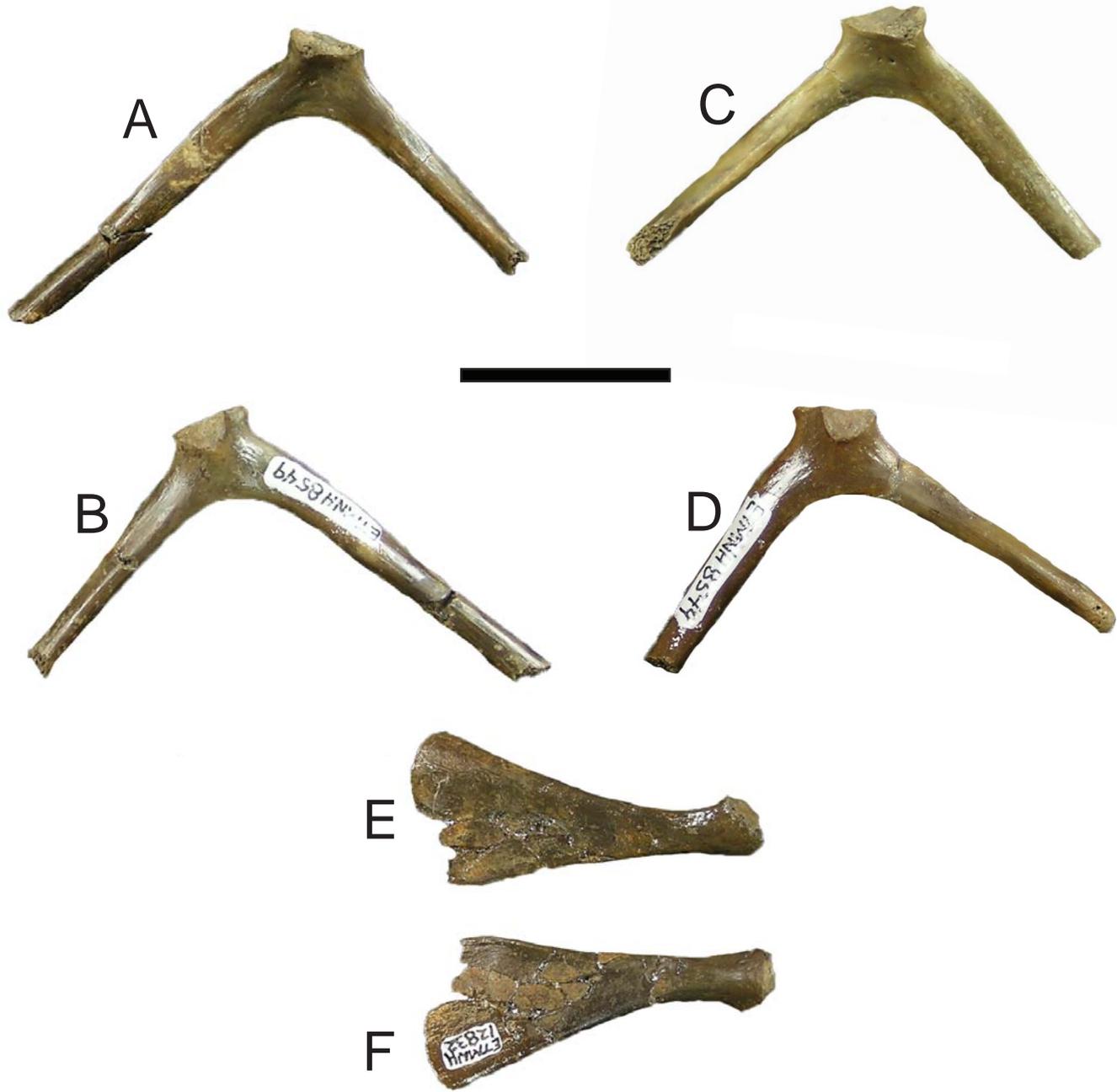


Figure S49. *Trachemys haugrudi*, scapula and coracoid.

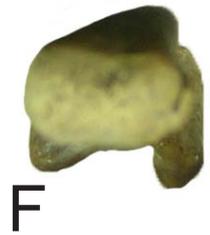


Figure S50. *Trachemys haugrudi*, holotype complete right humerus (ETMNH-8549).

A



B



C



D



Figure S51. *Trachemys haugrudi*, radius and ulna.

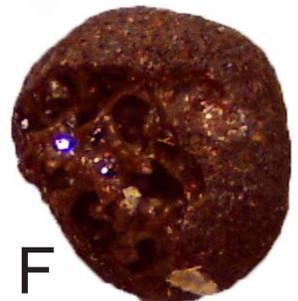
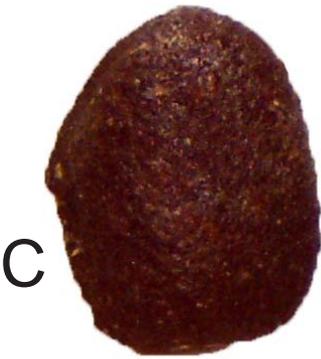
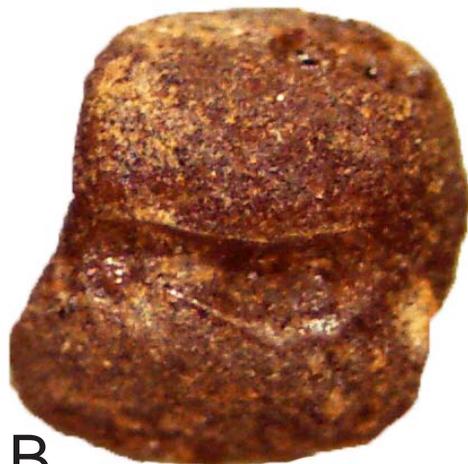


Figure S52. *Trachemys haugrudi*, carpals.



A



B



C



D

Figure S53. *Trachemys haugrudi*, distal carpals.



A



B



C



D



E



F

Figure S54. *Trachemys haugrudi*, paratype right proximal phalanx ?IV (ETMNH-3558).



A



B



C



D



E

Figure S55. *Trachemys haugrudi*, paratype right manual ungual ?I (ETMNH-3562).



Figure S56. *Trachemys haugrudi*, paratype right manual ungual ?II (ETMNH-3558).

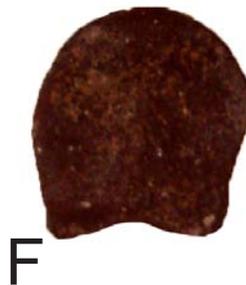
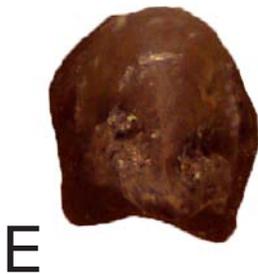
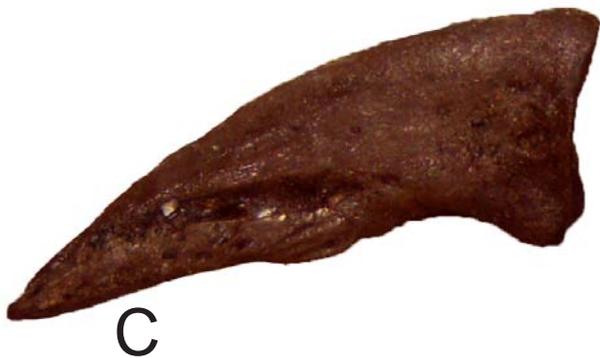


Figure S57. *Trachemys haugrudi*, paratype right manual ungual ?III (ETMNH-3558).

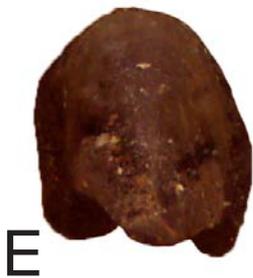
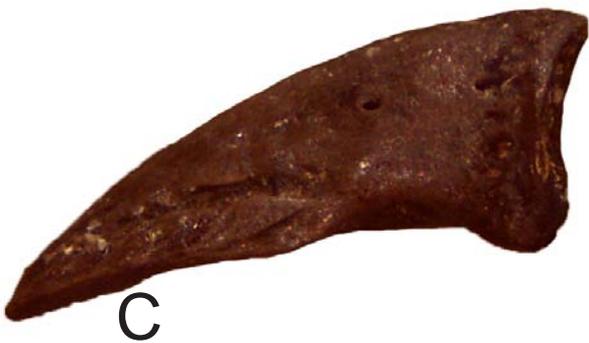
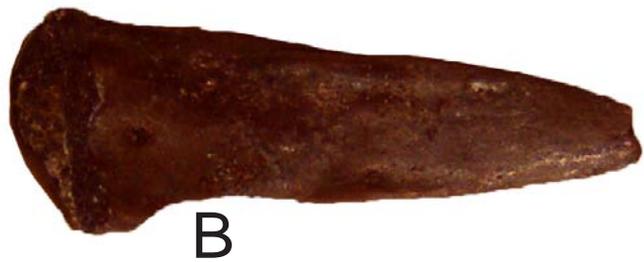


Figure S58. *Trachemys haugrudi*, paratype right manual ungual ?IV (ETMNH-3558).



A



B



C



D

Figure S59. *Trachemys haugrudi*, holotype nearly complete left ilium (ETMNH-8549).

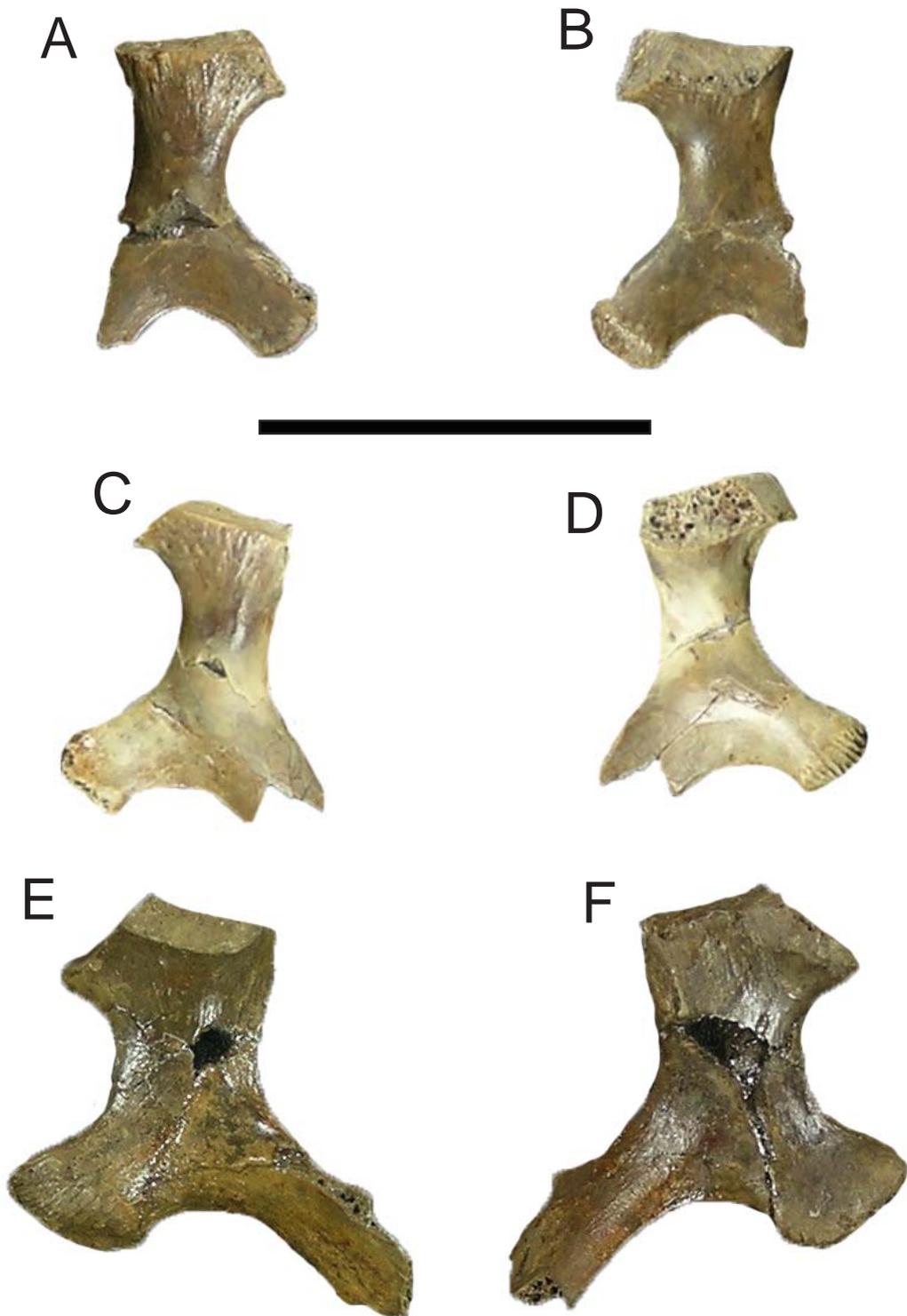


Figure S60. *Trachemys haugrudi*, ischium.

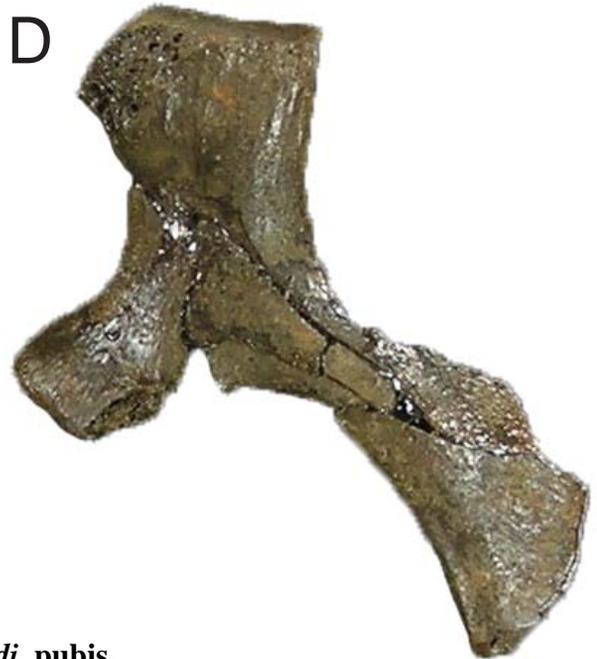
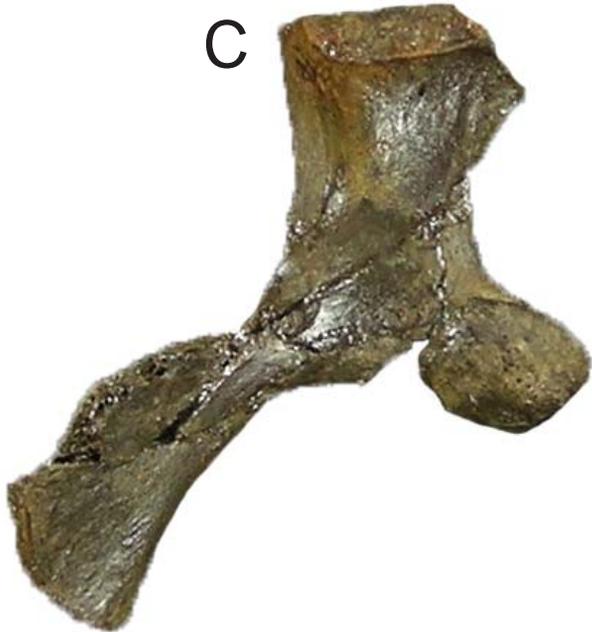
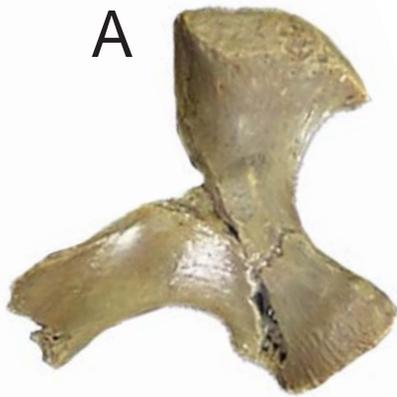


Figure S61. *Trachemys haugrudi*, pubis.

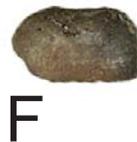
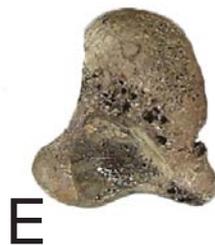


Figure S62. *Trachemys haugrudi*, referred complete right femur (ETMNH-12265).

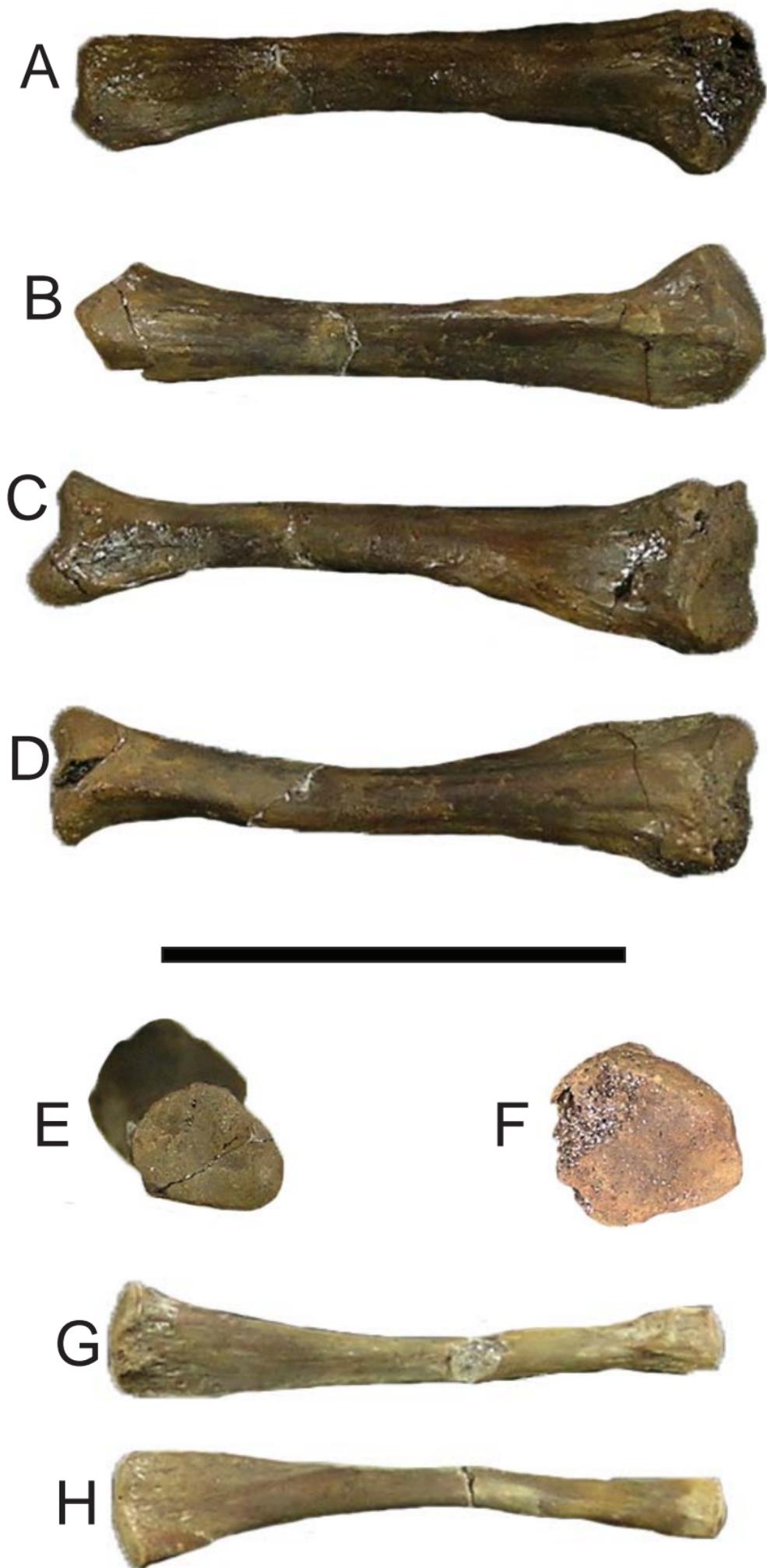


Figure S63. *Trachemys haugrudi*, tibia and fibula.



Figure S64. *Trachemys haugrudi*, holotype right metatarsal ?II (ETMNH-8549).

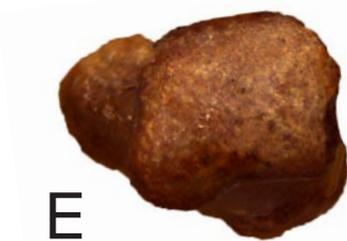


Figure S65. *Trachemys haugrudi*, holotype right metatarsal III (ETMNH-8549).

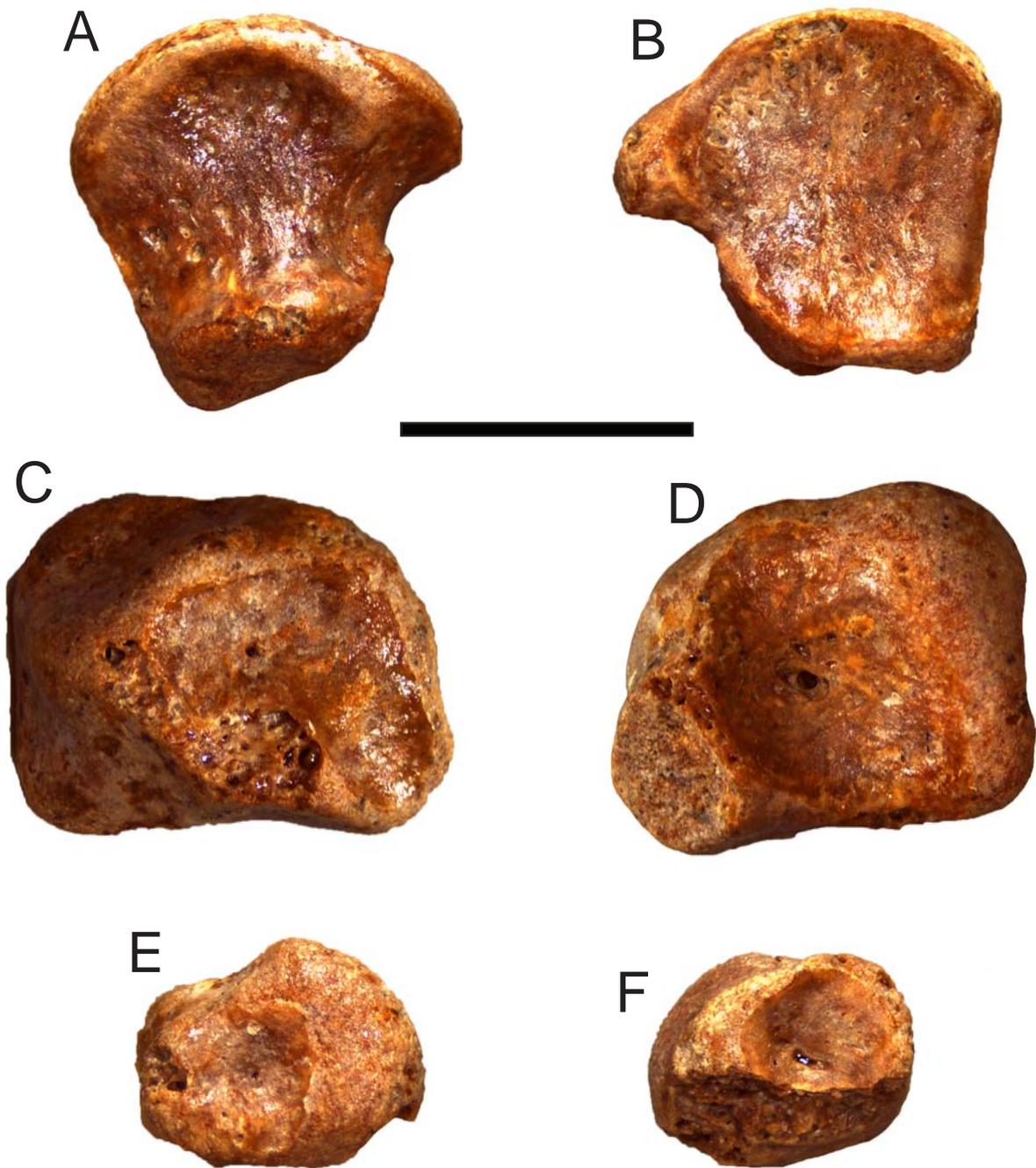


Figure S66. *Trachemys haugrudi*, right metatarsal V, right astragalus, and incomplete right distal tarsal ?IV (ETMNH-8549).

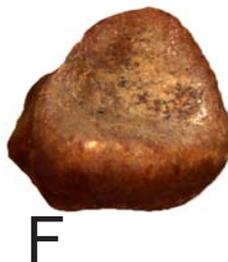
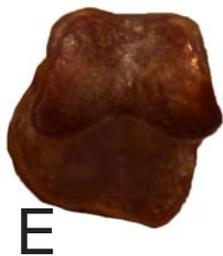


Figure S67. *Trachemys haugrudi*, holotype right proximal phalanx ?III (ETMNH-8549).

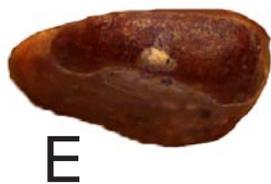
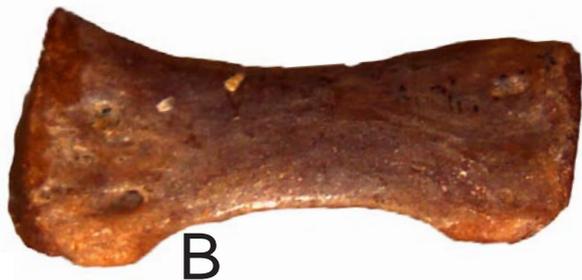


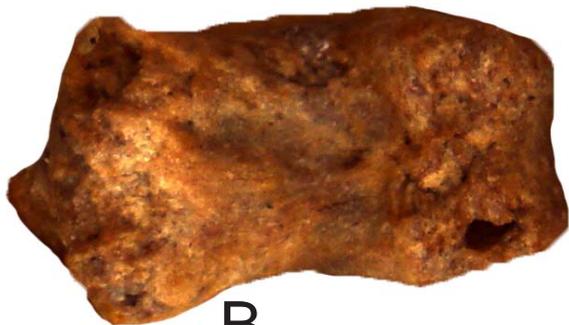
Figure S68. *Trachemys haugrudi*, holotype right proximal phalanx V (ETMNH-8549).



Figure S69. *Trachemys haugrudi*, holotype right medial phalanx ?III (ETMNH-8549).



A



B



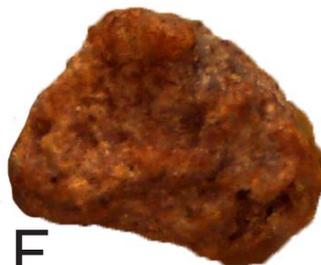
C



D



E



F

Figure S70. *Trachemys haugrudi*, holotype right distal phalanx ?II (ETMNH-8549).



Figure S71. *Trachemys haugrudi*, referred pedal unguis ?III (ETMNH-10547).



A



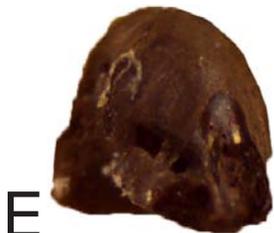
B



C



D



E



F

Figure S72. *Trachemys haugrudi*, paratype pedal ungual ?IV (ETMNH-11642).