

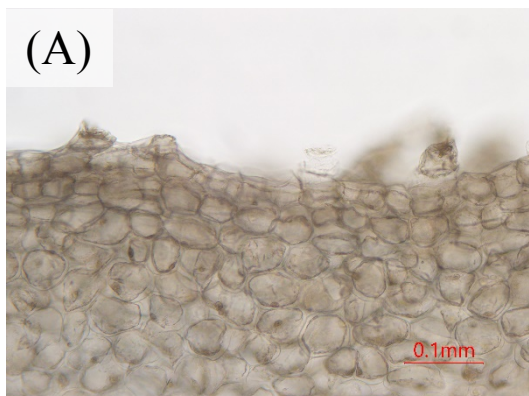
*A. ampulliflorum* (161043) (in ethanol)

Transverse section

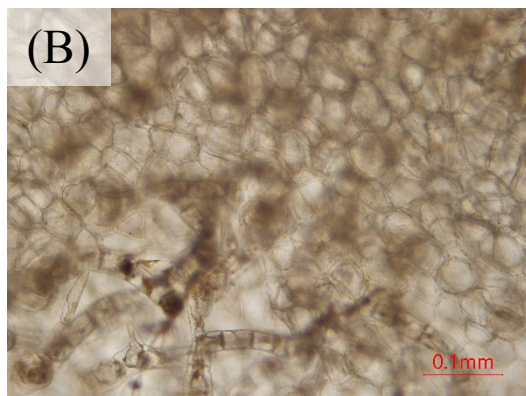
Surface

adaxial

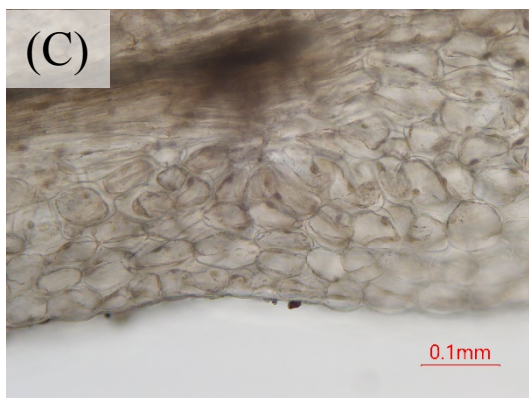
(A)



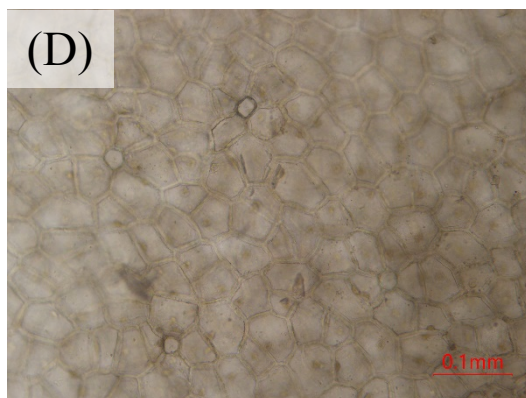
(B)



(C)



(D)



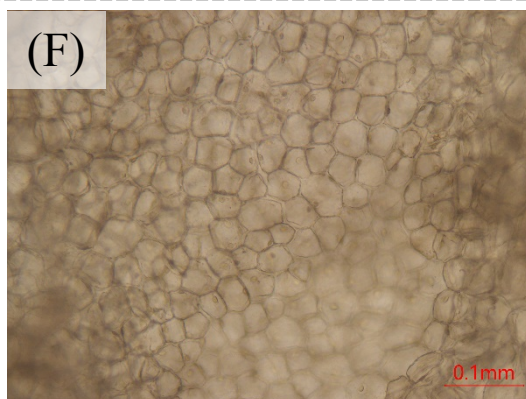
abaxial

adaxial

(E)

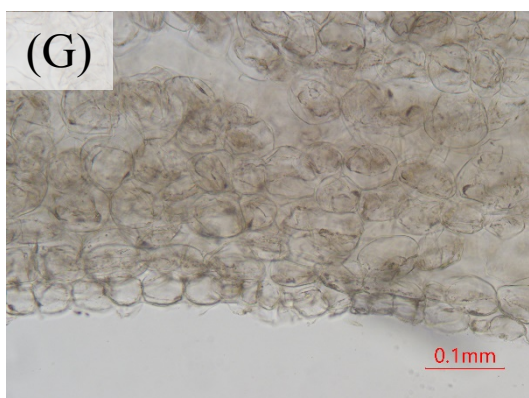


(F)

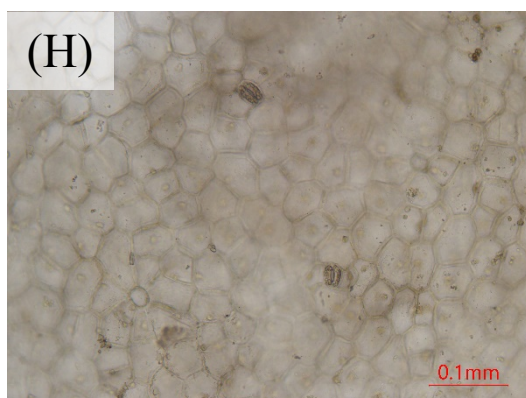


Calyx tube

(G)



(H)



abaxial

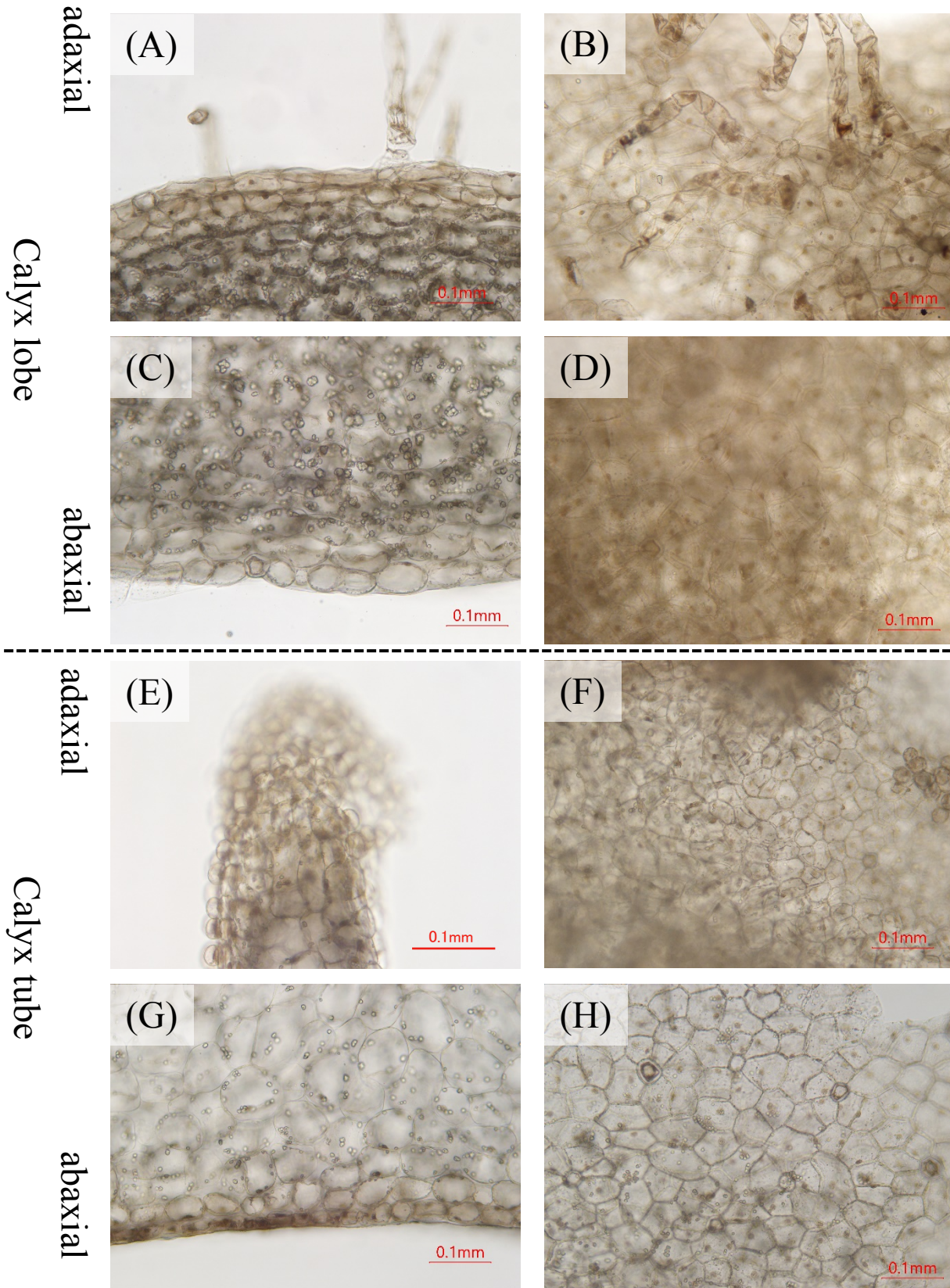
Supplementally Fig. 1. Microstructure of calyx in *A. ampulliflorum* (161043). (A-D) calyx lobe and (E-H) calyx tube were observed with the light microscope. (A, C, E, G) Transverse section at (A, E) adaxial and (C, G) abaxial sides. (B, D, F, H) Surface at (B, F) adaxial and (D, H) abaxial sides.



*A. asaroides* (160980) (in ethanol)

Transverse section

Surface



Supplementally Fig. 2. Microstructure of calyx in *A. asaroides* (160980).

(A-D) calyx lobe and (E-H) calyx tube were observed with the light microscope.

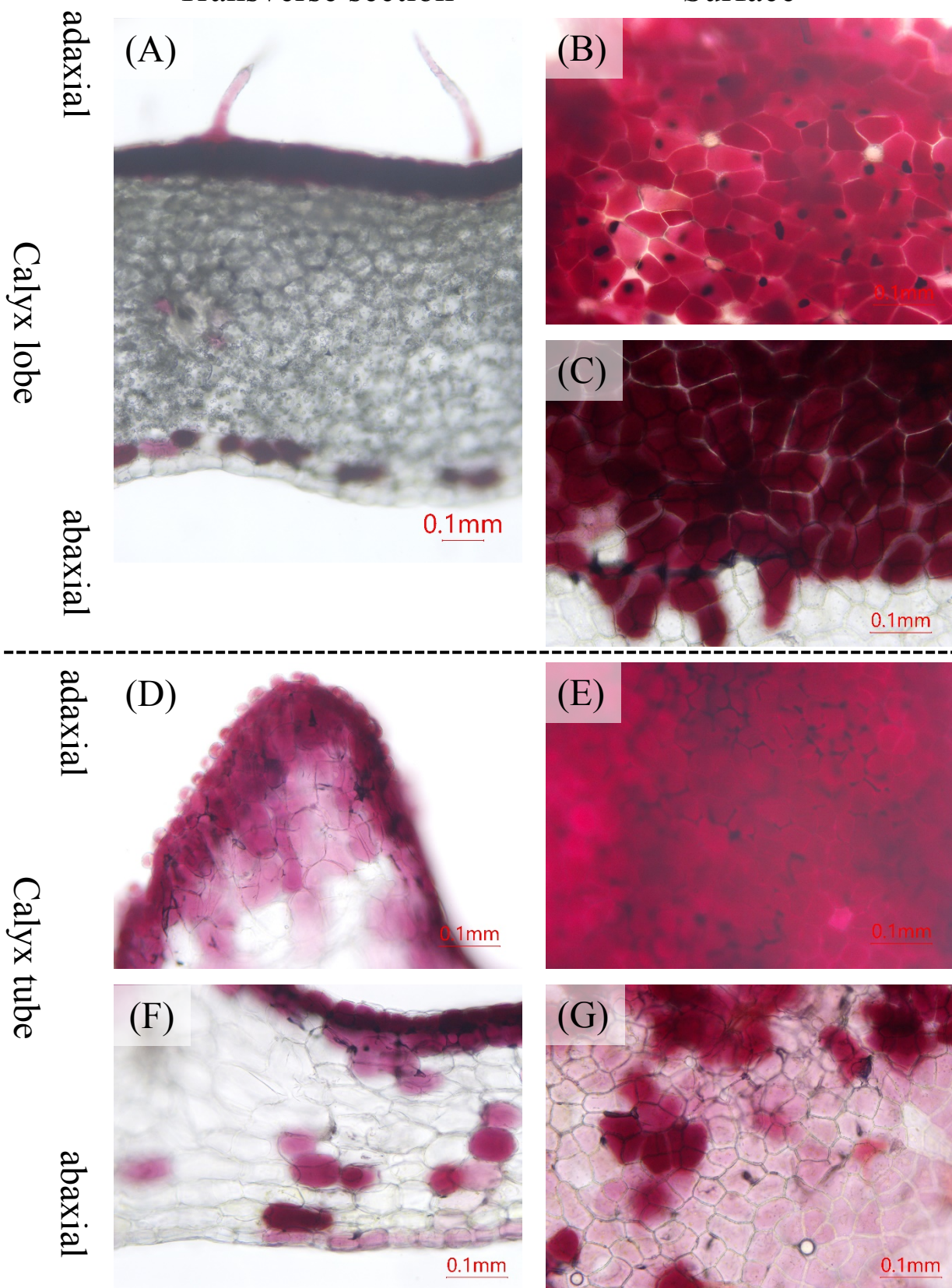
(A, C, E, G) Transverse section at (A, E) adaxial and (C, G) abaxial sides. (B, D, F, H) Surface at (B, F) adaxial and (D, H) abaxial sides.



*A. asaroides* (160980)

Transverse section

Surface



Supplementally Fig. 3. Microstructure of calyx in *A. asaroides* (160980). (A-C) calyx lobe and (D-G) calyx tube were observed with the light microscope. (A, D, F) Transverse section at (D) adaxial and (F) abaxial sides. (B, C, E, G) Surface at (B, C) adaxial and (E, G) abaxial sides.



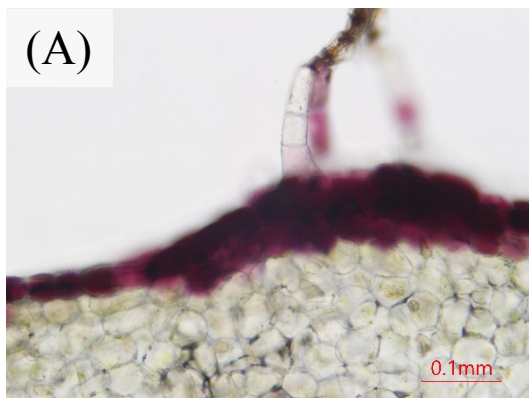
*A. asaroides* (165644)

Transverse section

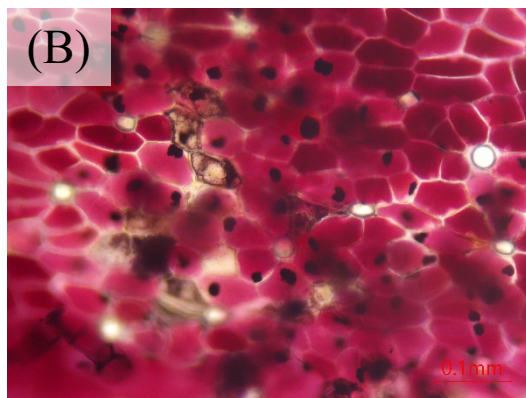
Surface

adaxial

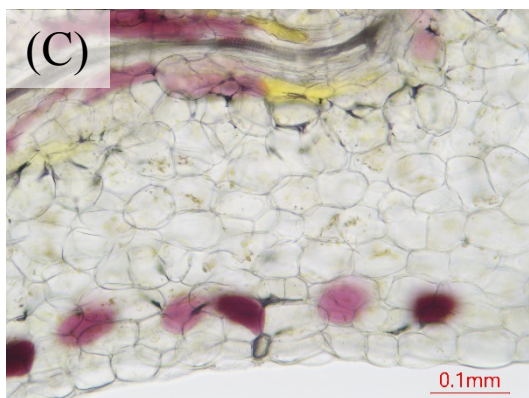
(A)



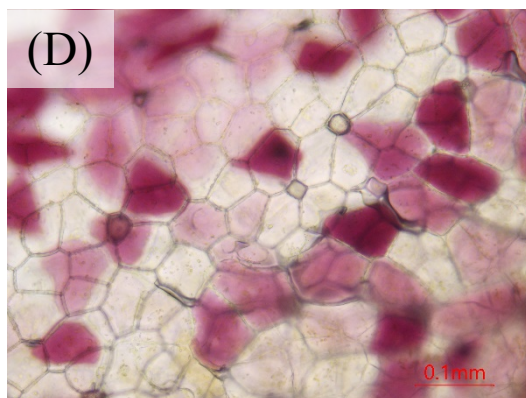
(B)



(C)

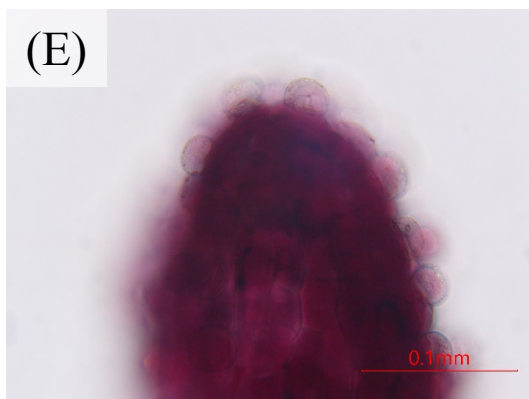


(D)

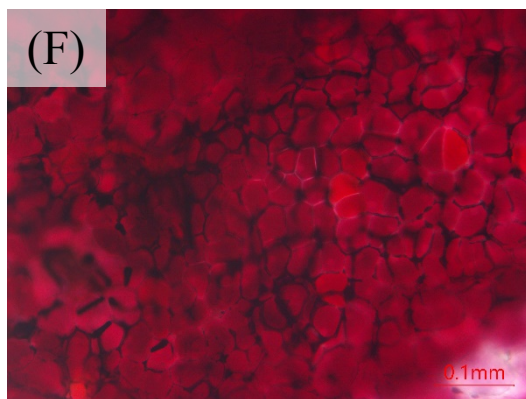


adaxial

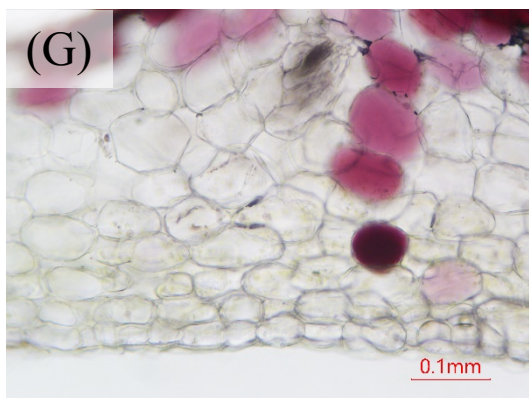
(E)



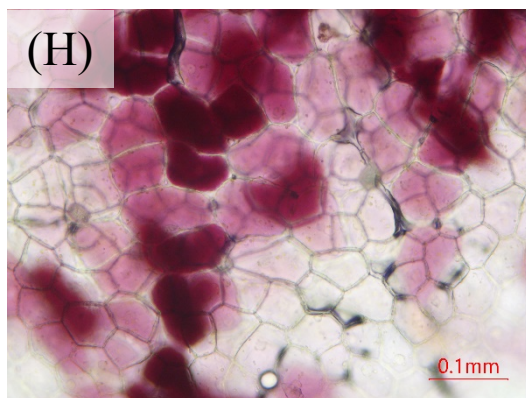
(F)



(G)



(H)



abaxial

Calyx lobe

Calyx tube

Supplementally Fig. 4. Microstructure of calyx in *A. asaroides* (165644).

(A-D) calyx lobe and (E-H) calyx tube were observed with the light microscope.

(A, C, E, G) Transverse section at (A, E) adaxial and (C, G) abaxial sides. (B, D, F, H) Surface at (B, F) adaxial and (D, H) abaxial sides.



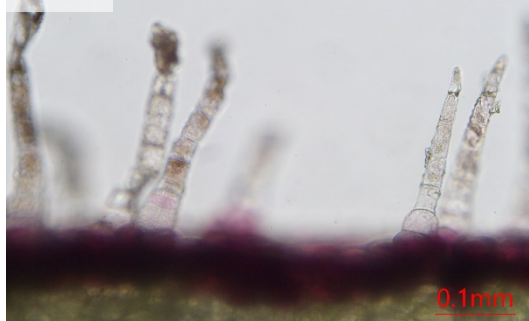
*A. asaroides* (165648)

Transverse section

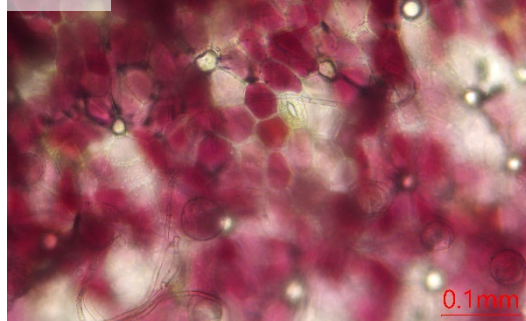
Surface

adaxial

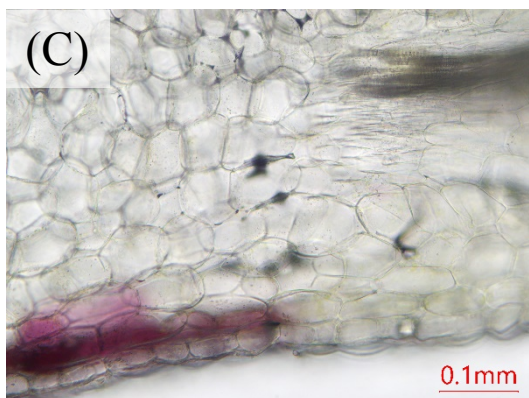
(A)



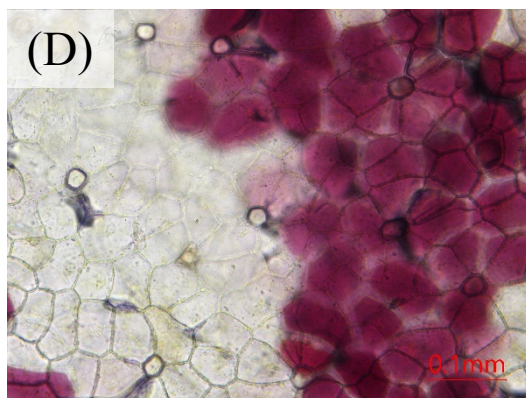
(B)



(C)



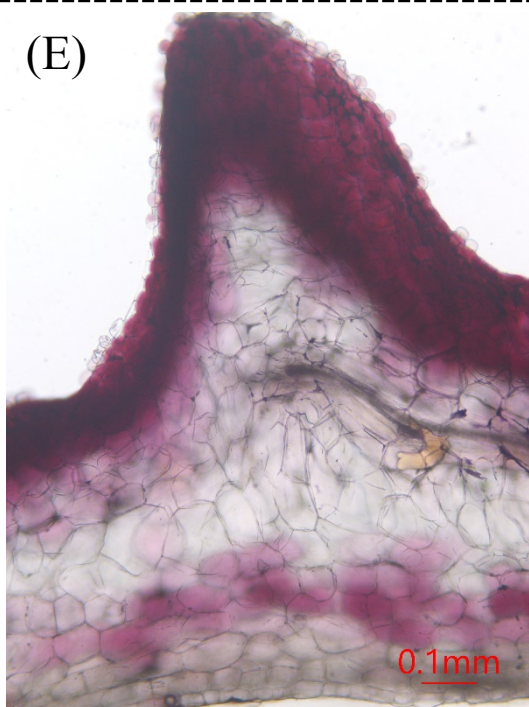
(D)



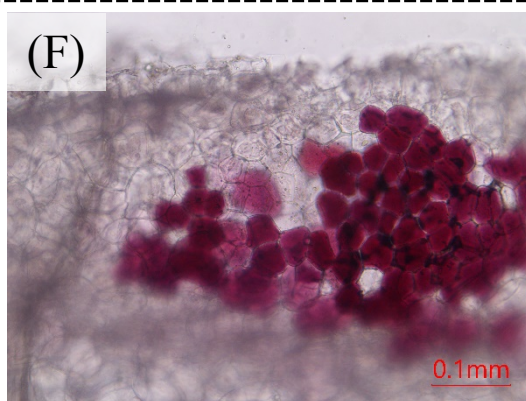
abaxial

adaxial

(E)



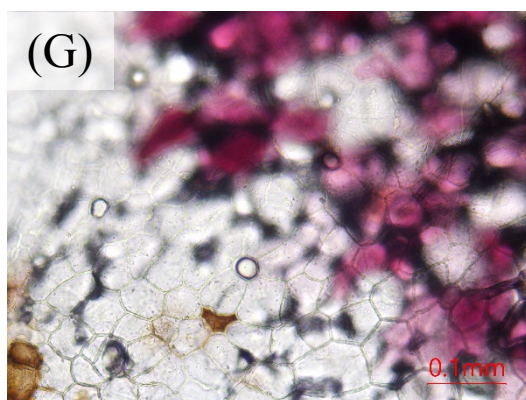
(F)



Calyx tube

abaxial

(G)



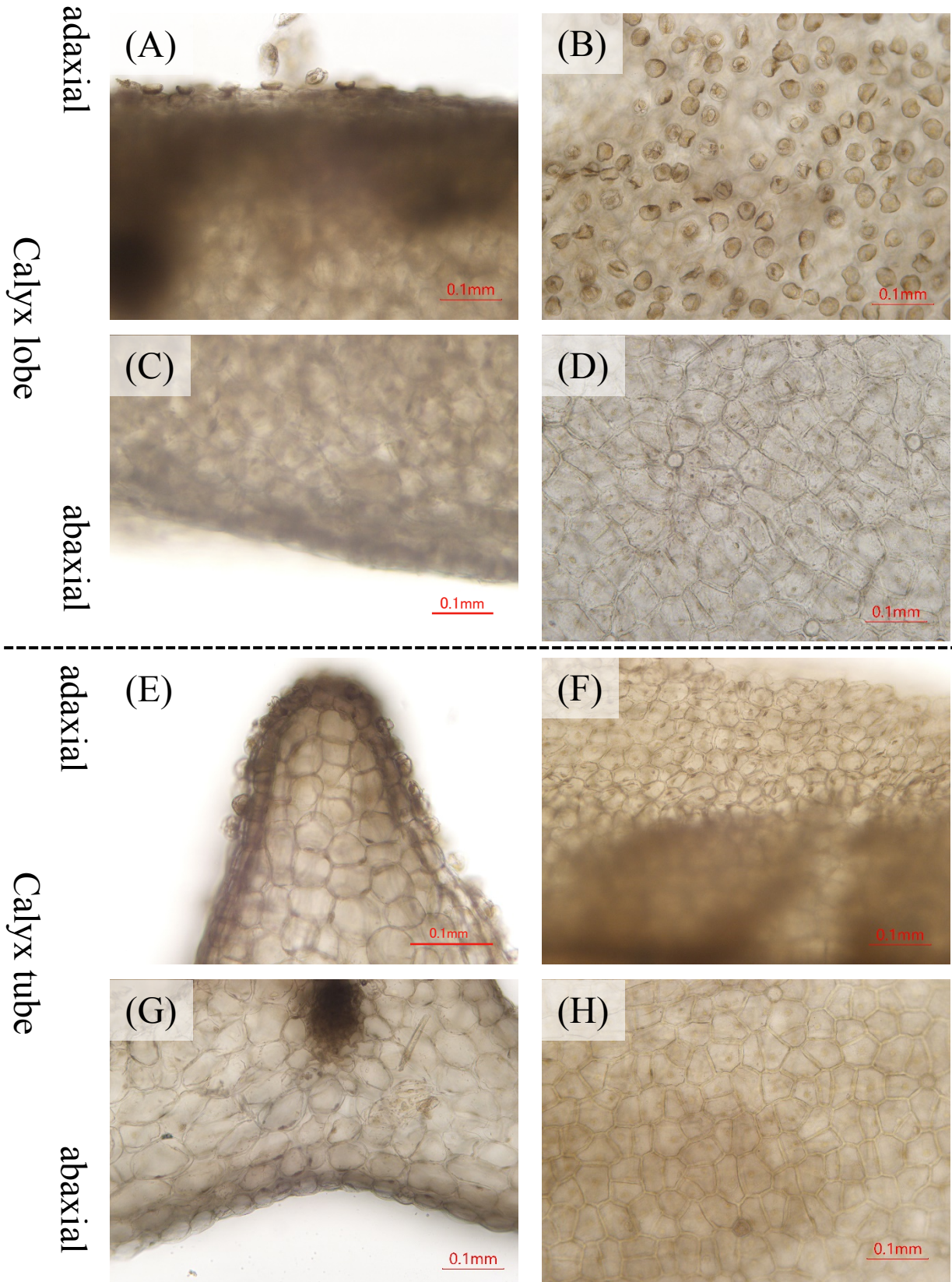
Supplementally Fig. 5. Microstructure of calyx in *A. asaroides* (165648). (A-D) calyx lobe and (E-G) calyx tube were observed with the light microscope. (A, C, E) Transverse section at (A) adaxial and (C) abaxial sides. (B, D, F, G) Surface at (B, F) adaxial and (D, G) abaxial sides.



*A. blumei* (160404) (in ethanol)

Transverse section

Surface



Supplementally Fig. 6. Microstructure of calyx in *A. blumei* (160404).

(A-D) calyx lobe and (E-H) calyx tube were observed with the light microscope.

(A, C, E, G) Transverse section at (A, E) adaxial and (C, G) abaxial sides. (B, D, F, H) Surface at (B, F) adaxial and (D, H) abaxial sides.

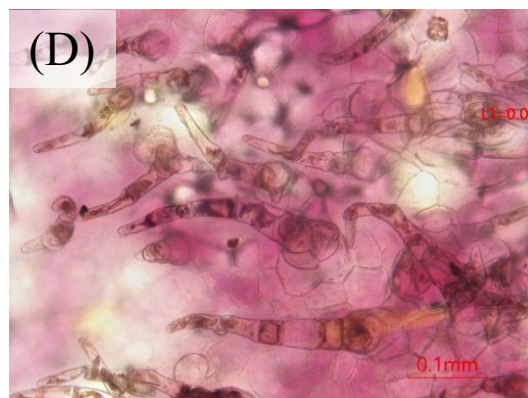
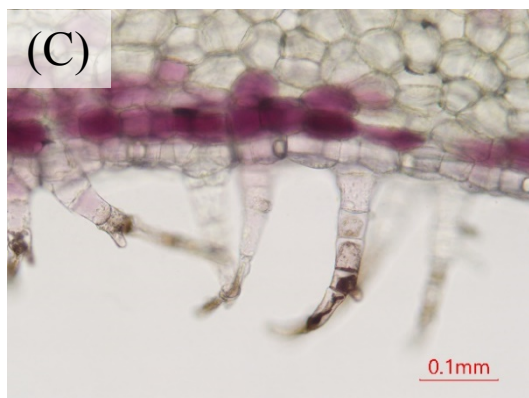
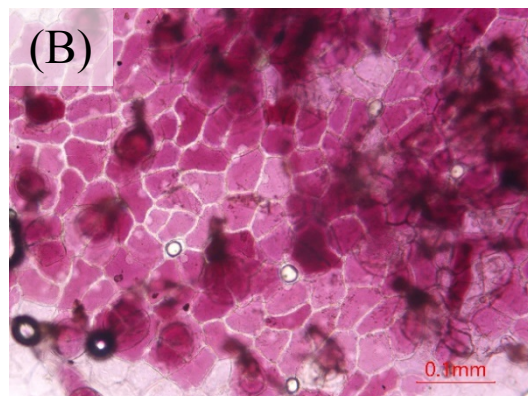
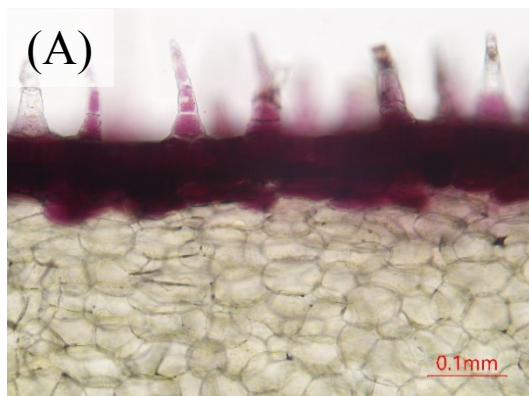


*A. crassum* (160654)

Transverse section

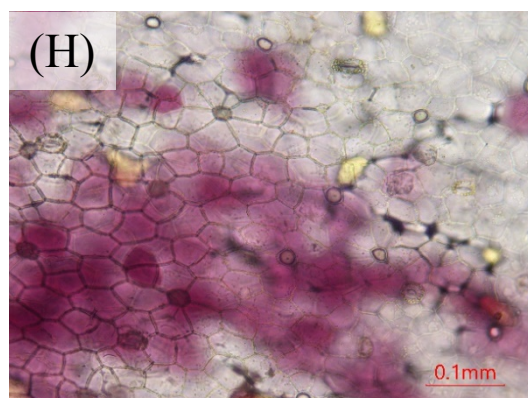
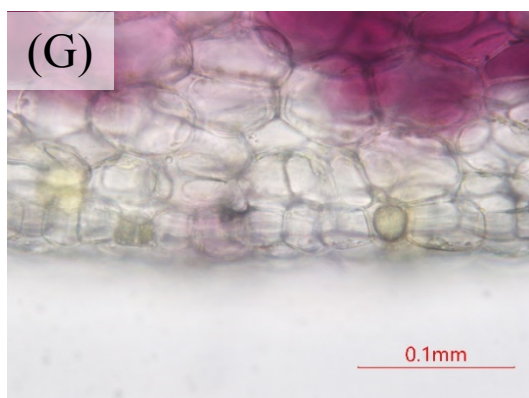
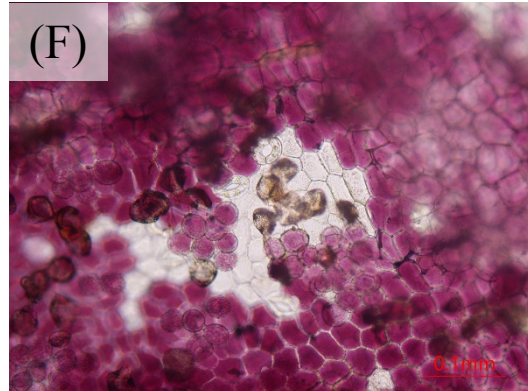
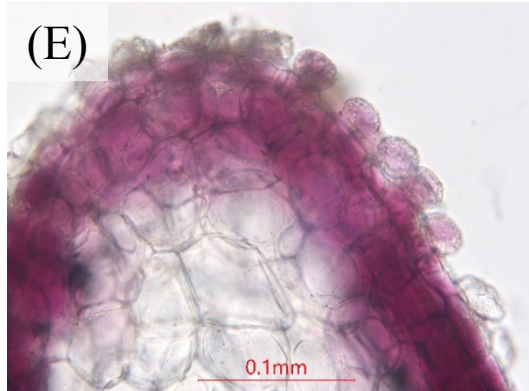
Surface

adaxial



abaxial

adaxial



abaxial

Calyx lobe

Calyx tube

Supplementally Fig. 7. Microstructure of calyx in *A. Crassum* (160654).

(A-D) calyx lobe and (E-H) calyx tube were observed with the light microscope.

(A, C, E, G) Transverse section at (A, E) adaxial and (C, G) abaxial sides. (B, D, F, H) Surface at (B, F) adaxial and (D, H) abaxial sides.



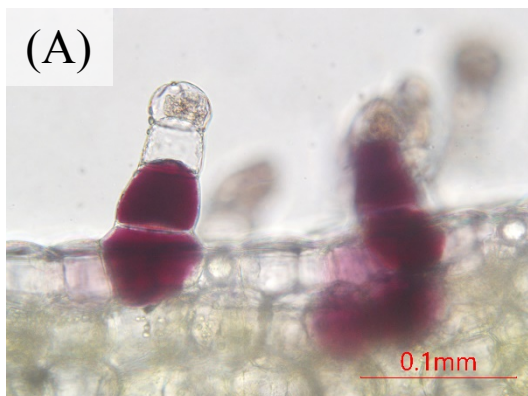
*A. dissitum* (161037)

Transverse section

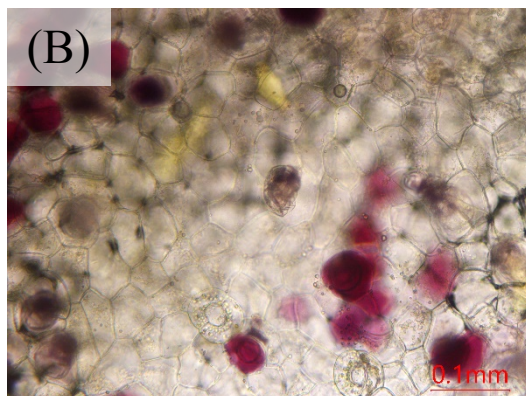
Surface

adaxial

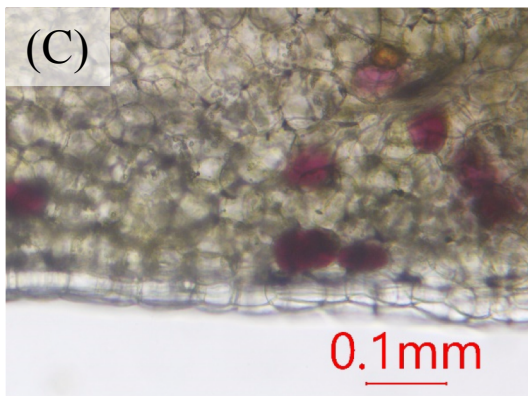
(A)



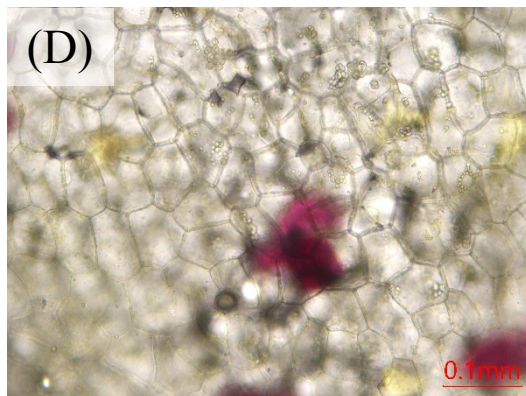
(B)



(C)

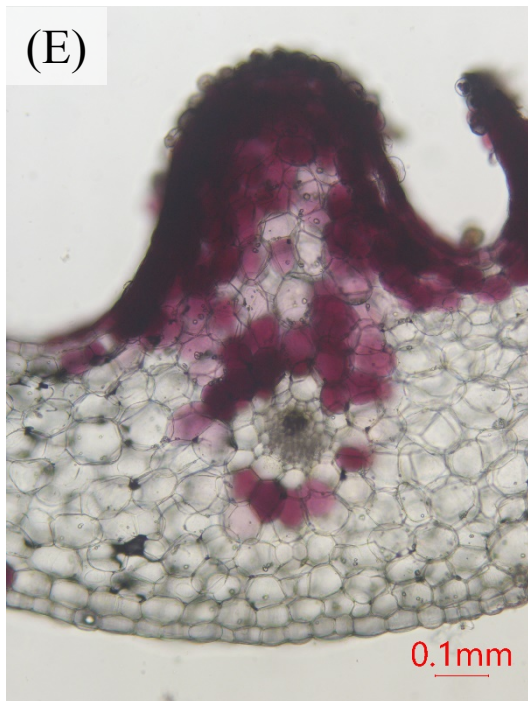


(D)

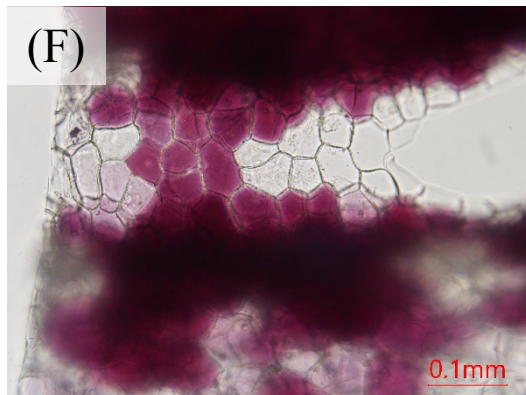


abaxial

(E)



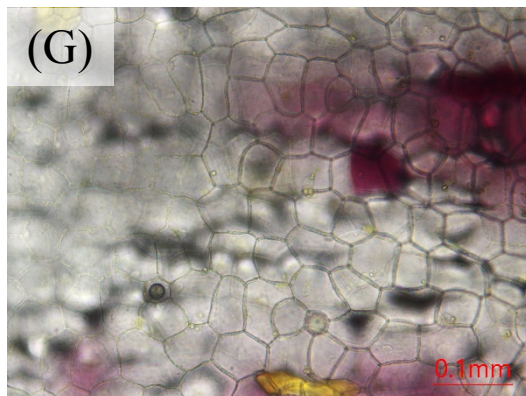
(F)



adaxial

Calyx tube

(G)



abaxial

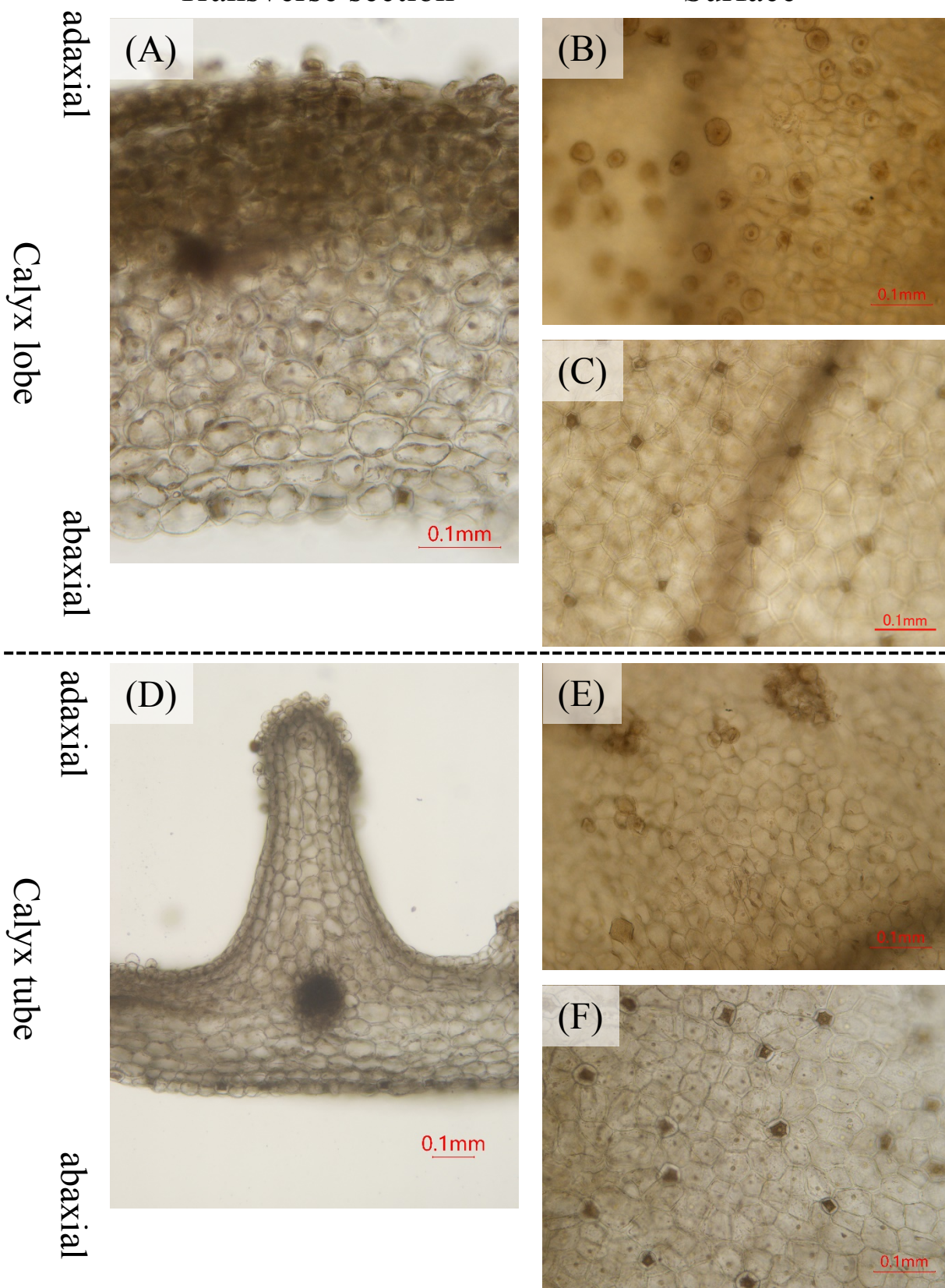
Supplementally Fig. 8. Microstructure of calyx in *A. dissitum* (161037). (A-D) calyx lobe and (E-G) calyx tube were observed with the light microscope. (A, C, E) Transverse section at (A) adaxial and (C) abaxial sides. (B, D, F, G) Surface at (B, F) adaxial and (D, G) abaxial sides.



*A. forbesii* (OK14061805) (in ethanol)

Transverse section

Surface



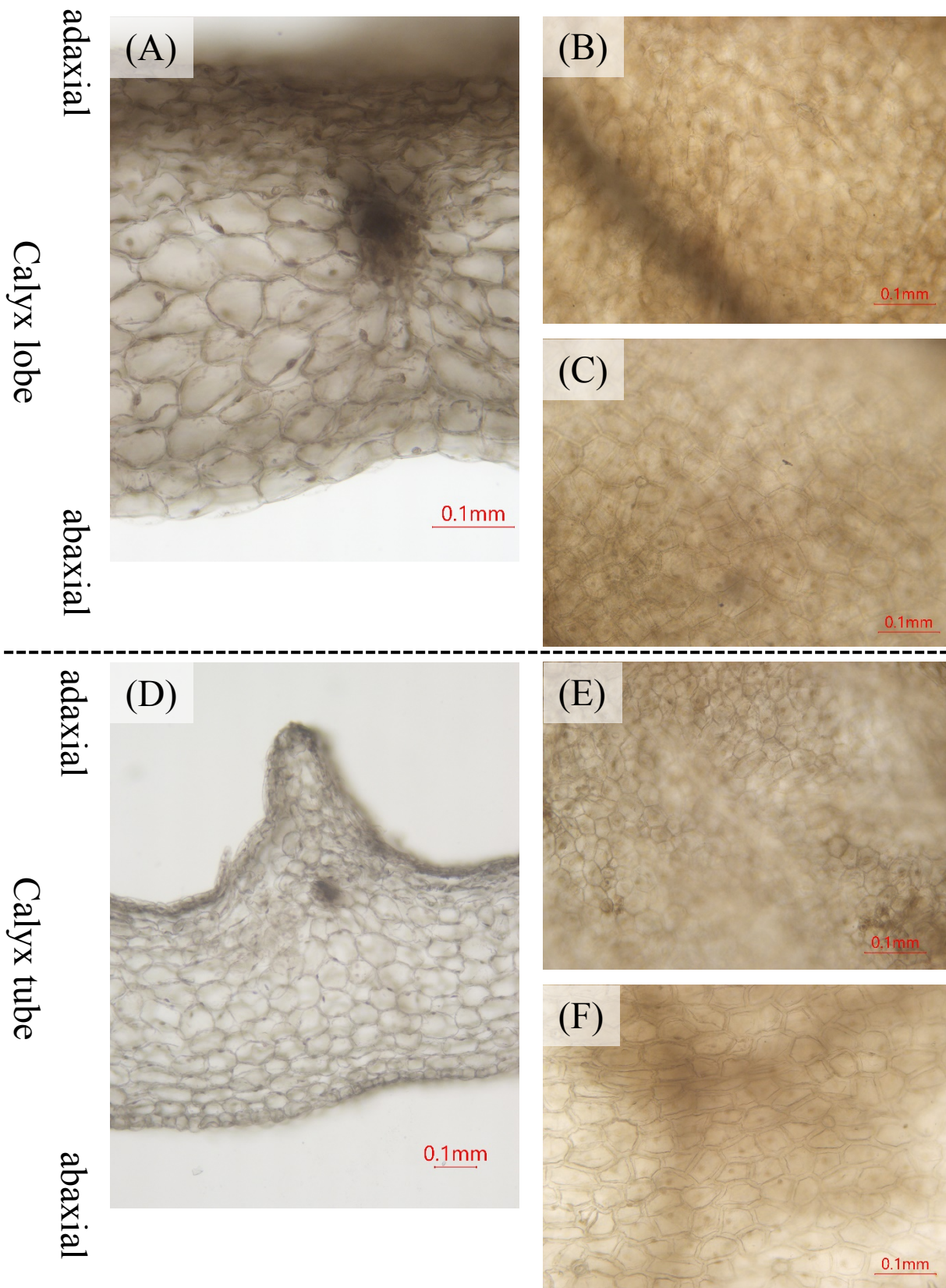
Supplementally Fig. 9. Microstructure of calyx in *A. forbesii* (OK14061805). (A-C) calyx lobe and (D-F) calyx tube were observed with the light microscope. (A, D) Transverse section. (B, C, E, F) Surface at (B, E) adaxial and (C, F) abaxial sides.



*A. fudsinoi* (161041) (in ethanol)

Transverse section

Surface



Supplementally Fig. 10. Microstructure of calyx in *A. fudsinoi* (161041). (A-C) calyx lobe and (D-F) calyx tube were observed with the light microscope. (A, D) Transverse section. (B, C, E, F) Surface at (B, E) adaxial and (C, F) abaxial sides.



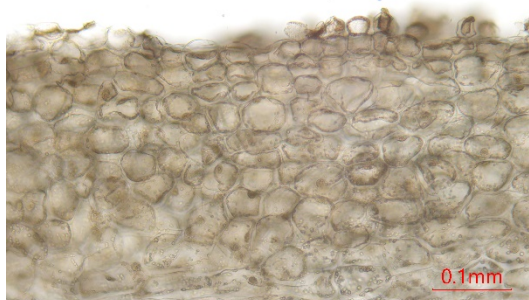
*A. fudsinoi* (160609) (in ethanol)

Transverse section

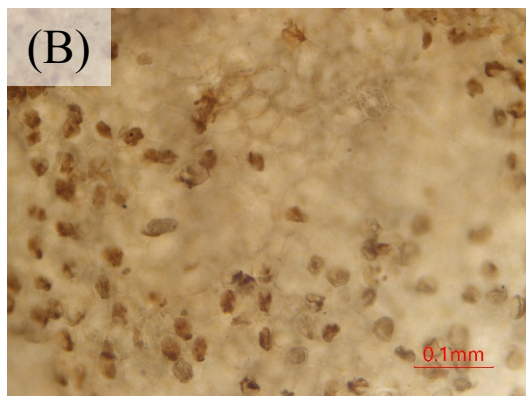
Surface

adaxial

(A)



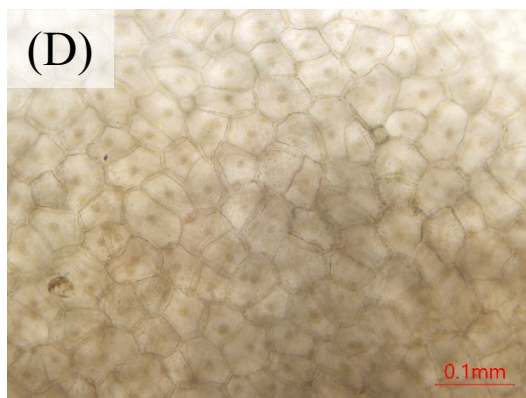
(B)



(C)

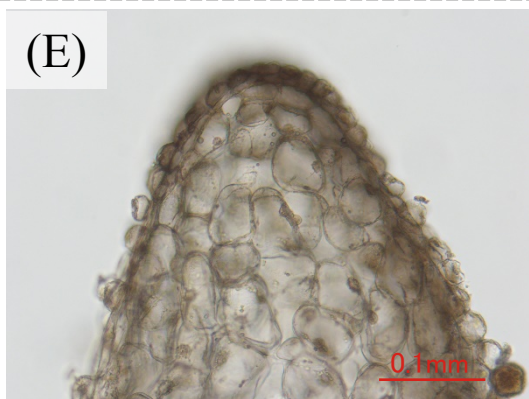


(D)

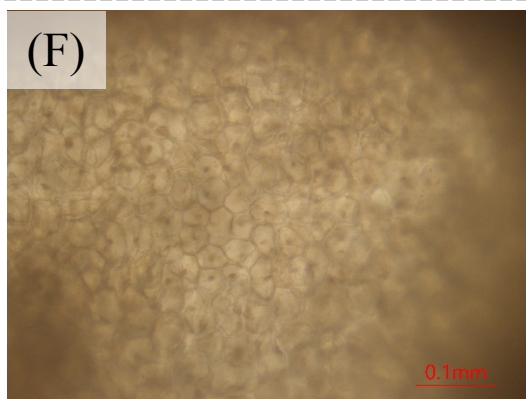


adaxial

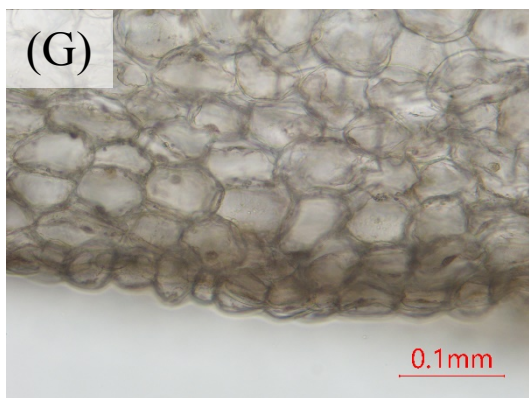
(E)



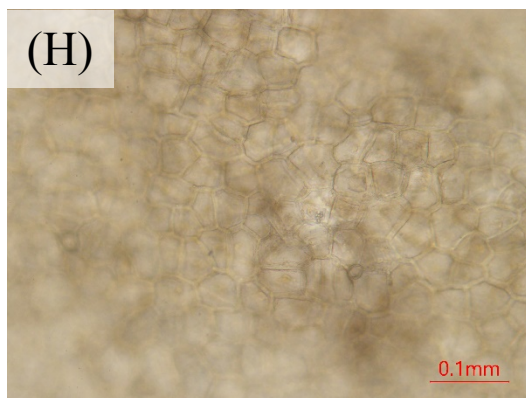
(F)



(G)



(H)



abaxial

Calyx lobe

Calyx tube

Supplementally Fig. 11. Microstructure of calyx in *A. fudsinoi* (160609).

(A-D) calyx lobe and (E-H) calyx tube were observed with the light microscope.

(A, C, E, G) Transverse section at (A, E) adaxial and (C, G) abaxial sides. (B, D, F, H) Surface at (B, F) adaxial and (D, H) abaxial sides.



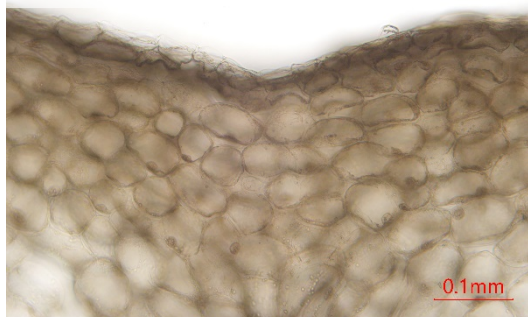
*A. fudsinoi* (166904) (in ethanol)

Transverse section

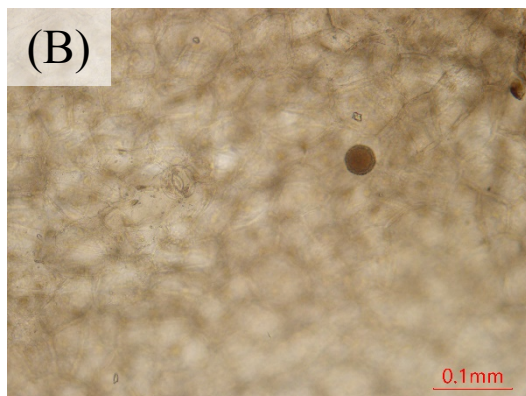
Surface

adaxial

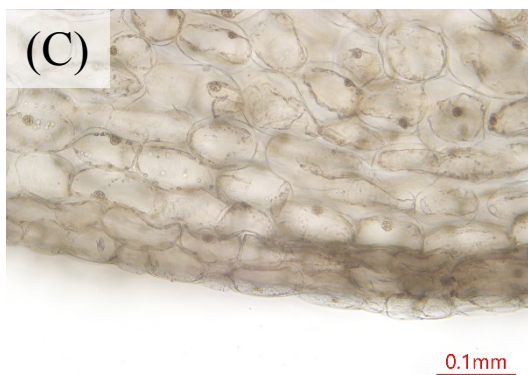
(A)



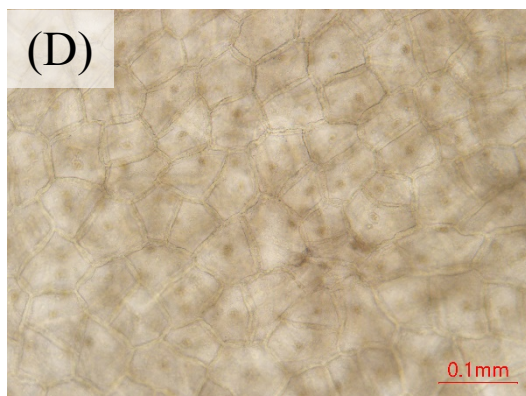
(B)



(C)



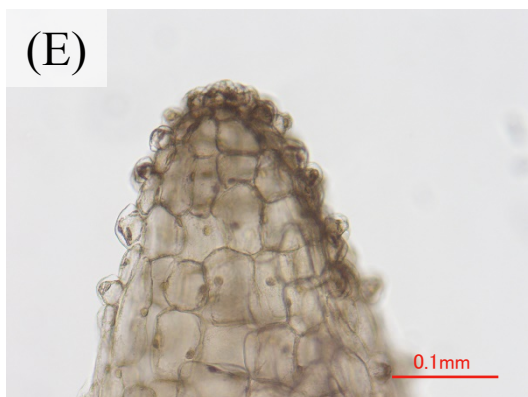
(D)



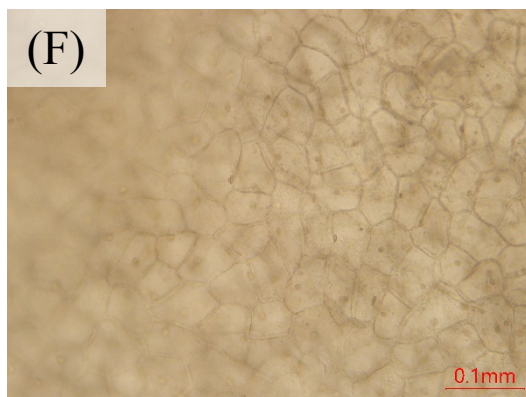
abaxial

adaxial

(E)

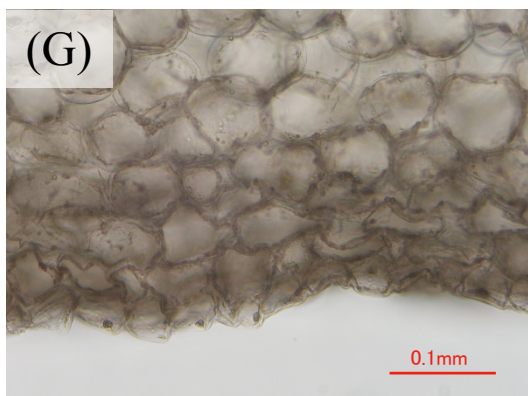


(F)

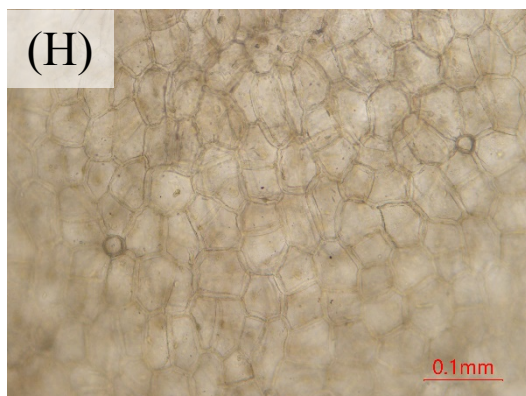


Calyx tube

(G)



(H)



abaxial

Supplementally Fig. 12. Microstructure of calyx in *A. fudsinoi* (166904).

(A-D) calyx lobe and (E-H) calyx tube were observed with the light microscope.

(A, C, E, G) Transverse section at (A, E) adaxial and (C, G) abaxial sides. (B, D, F, H) Surface at (B, F) adaxial and (D, H) abaxial sides.



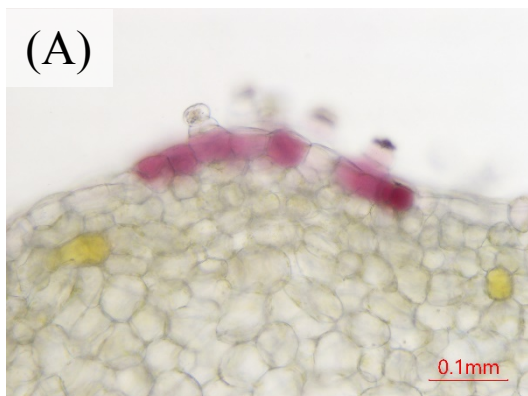
*A. fudsinoi* (160610)

Transverse section

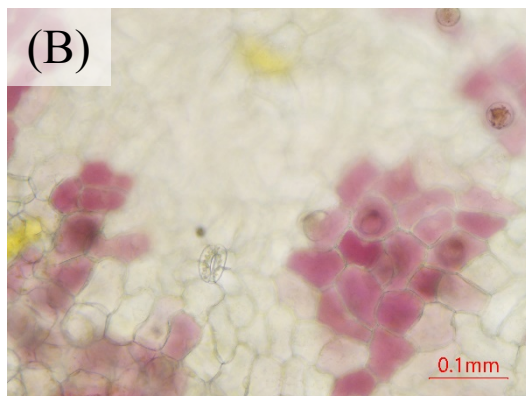
Surface

adaxial

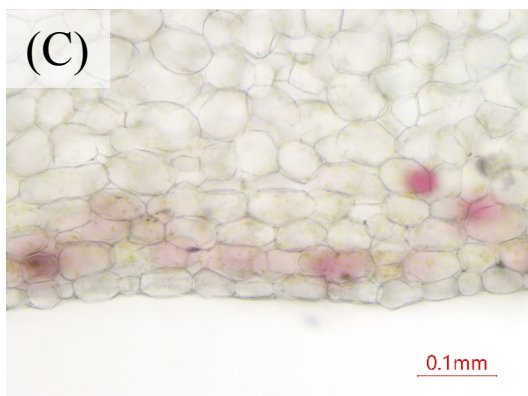
(A)



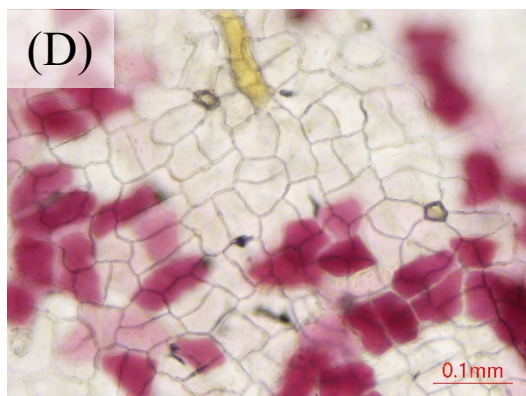
(B)



(C)

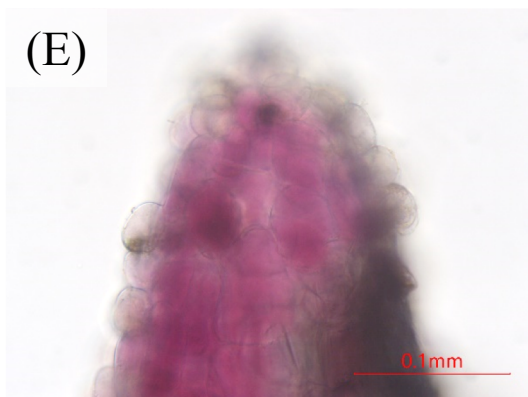


(D)

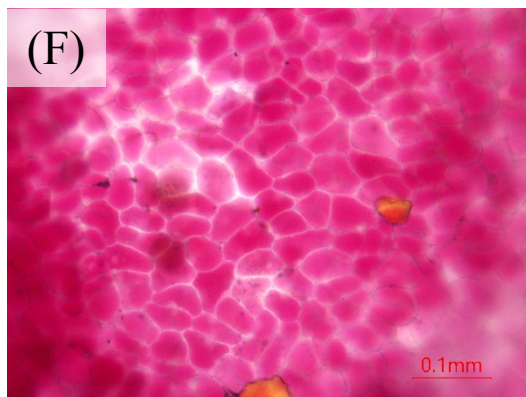


abaxial

(E)

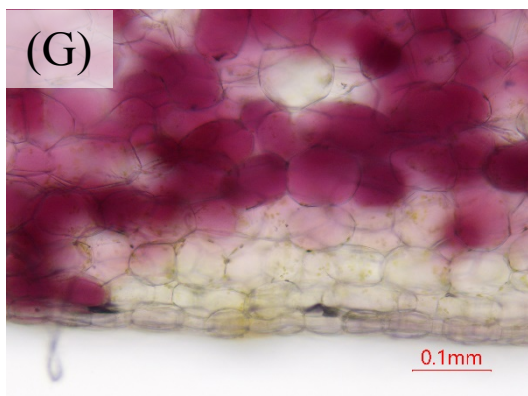


(F)

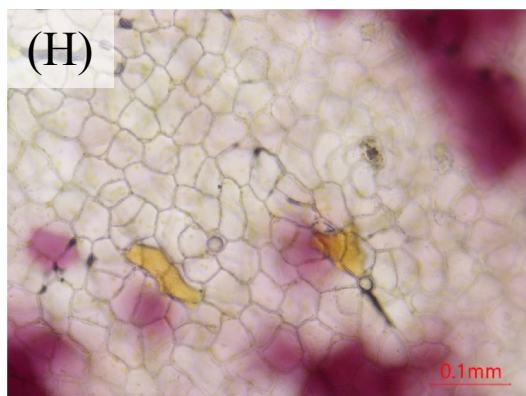


adaxial

(G)



(H)



abaxial

Calyx lobe

Calyx tube

Supplementally Fig. 13. Microstructure of calyx in *A. fudsinoi* (160610).

(A-D) calyx lobe and (E-H) calyx tube were observed with the light microscope.

(A, C, E, G) Transverse section at (A, E) adaxial and (C, G) abaxial sides. (B, D, F, H) Surface at (B, F) adaxial and (D, H) abaxial sides.



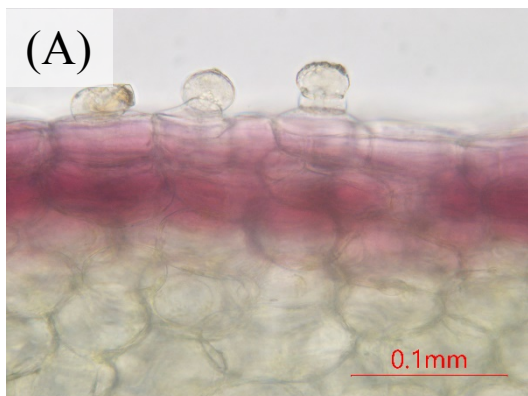
*A. fudsinoi* (165587)

Transverse section

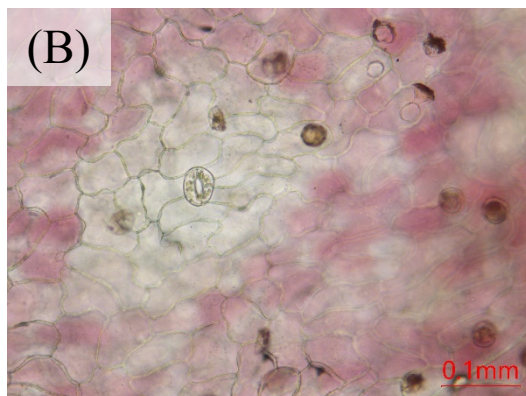
Surface

adaxial

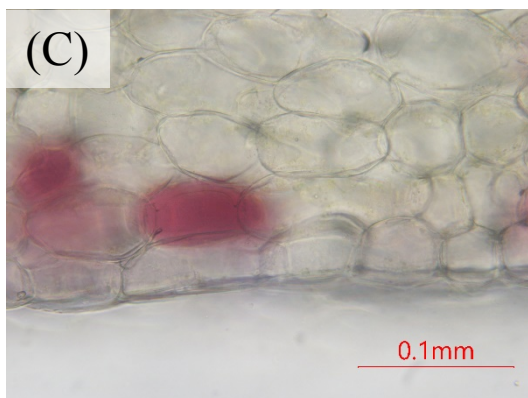
(A)



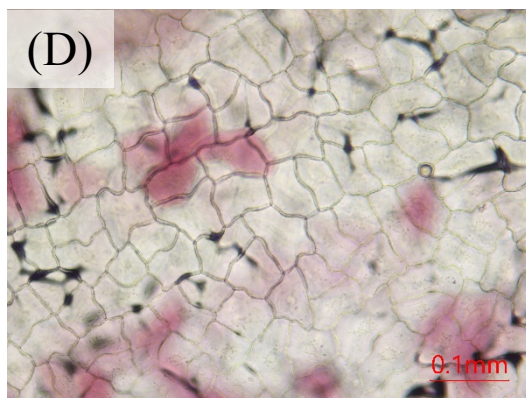
(B)



(C)



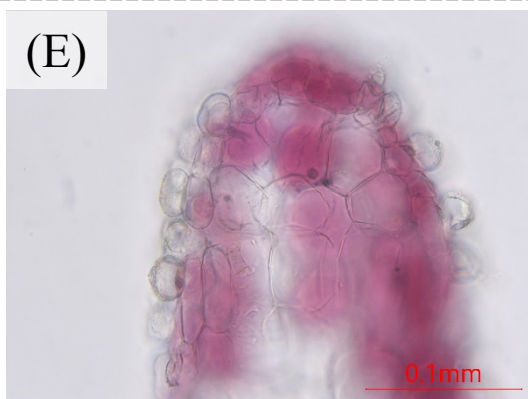
(D)



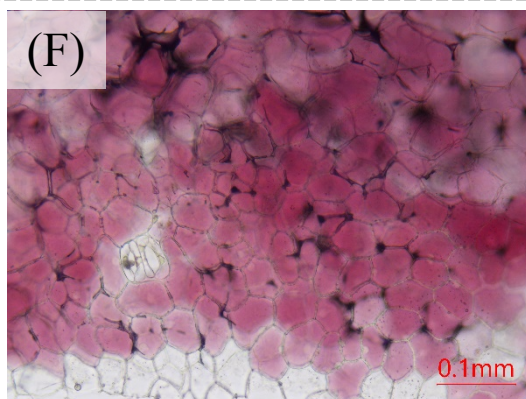
abaxial

adaxial

(E)

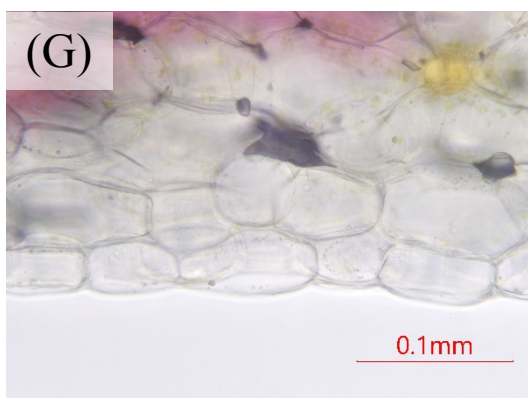


(F)

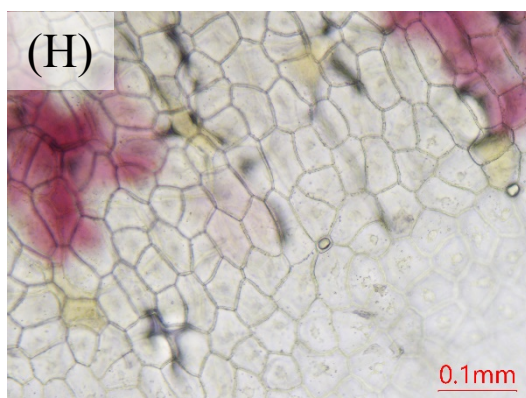


Calyx tube

(G)



(H)



abaxial

Supplementally Fig. 14. Microstructure of calyx in *A. fudsinoi* (165587).

(A-D) calyx lobe and (E-H) calyx tube were observed with the light microscope.

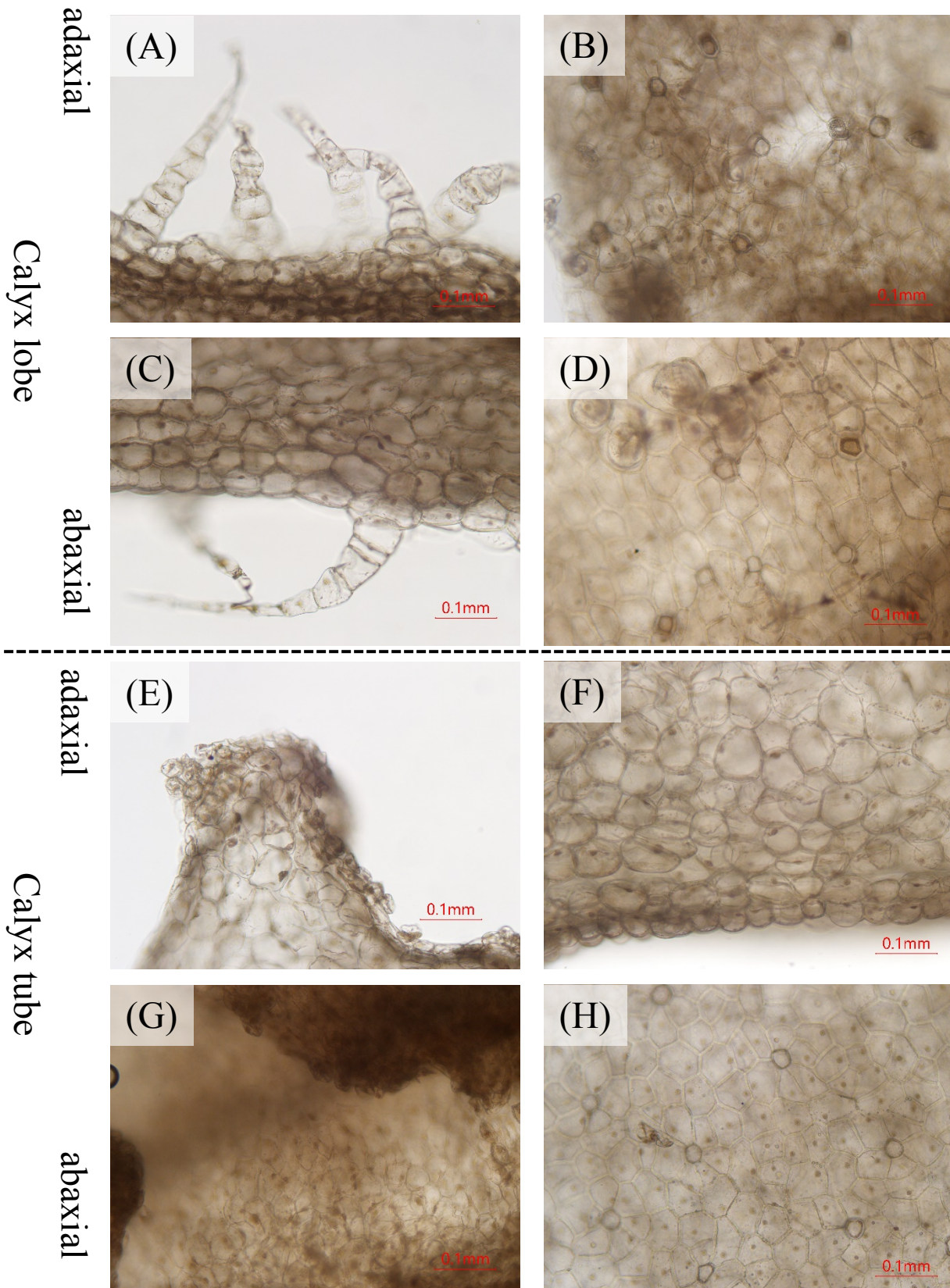
(A, C, E, G) Transverse section at (A, E) adaxial and (C, G) abaxial sides. (B, D, F, H) Surface at (B, F) adaxial and (D, H) abaxial sides.



*A. gelasinum* (0205-18-8-1) (in ethanol)

Transverse section

Surface



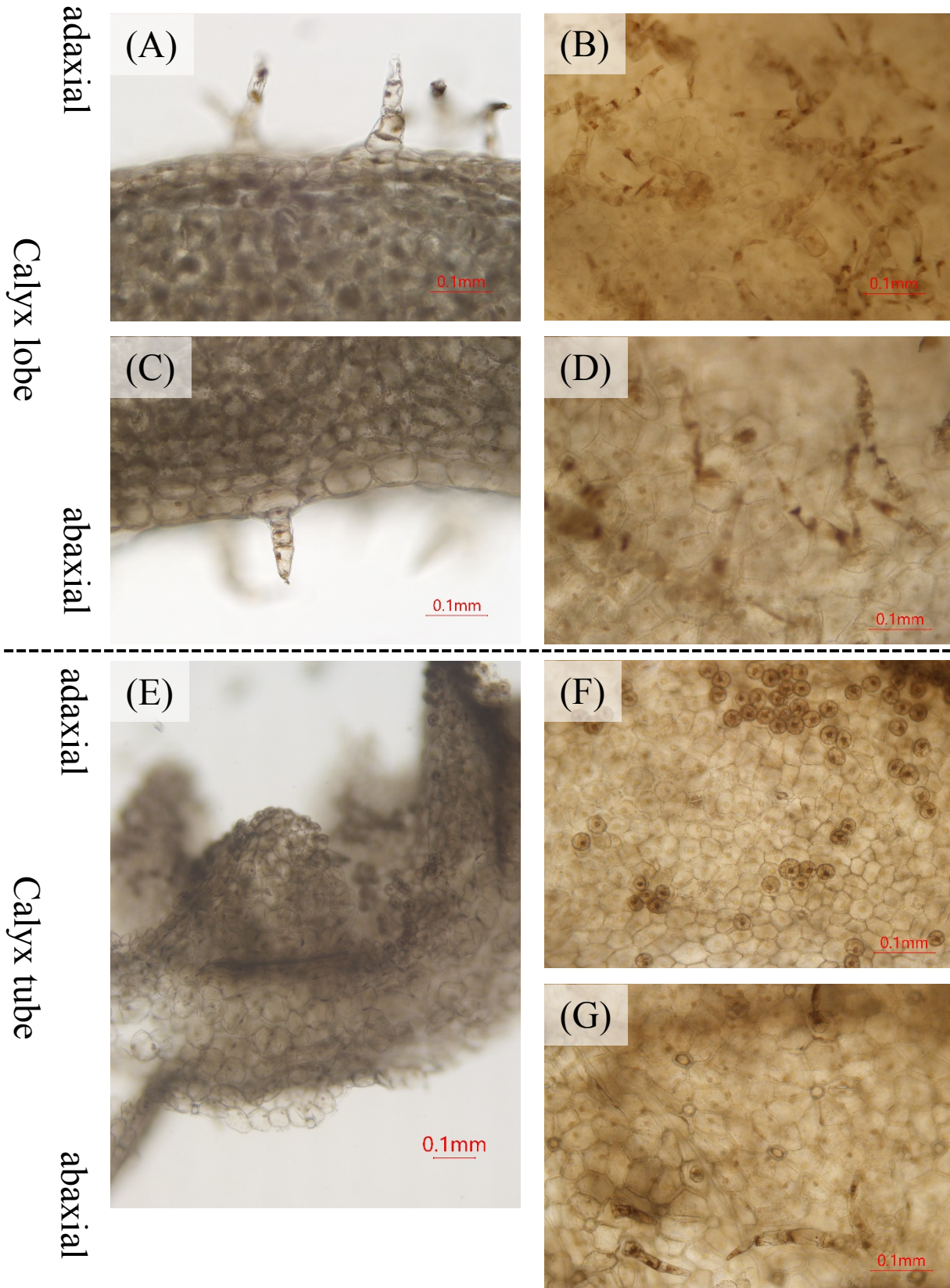
Supplementally Fig. 15. Microstructure of calyx in *A. gelasinum* (0205-18-8-1). (A-D) calyx lobe and (E-H) calyx tube were observed with the light microscope. (A, C, E, G) Transverse section at (A, E) adaxial and (C, G) abaxial sides. (B, D, F, H) Surface at (B, F) adaxial and (D, H) abaxial sides.



*A. hexalobum perfectum* (164890) (in ethanol)

Transverse section

Surface



Supplementally Fig. 16. Microstructure of calyx in *A. hexalobum perfectum* (164890).

(A-D) calyx lobe and (E-G) calyx tube were observed with the light microscope.

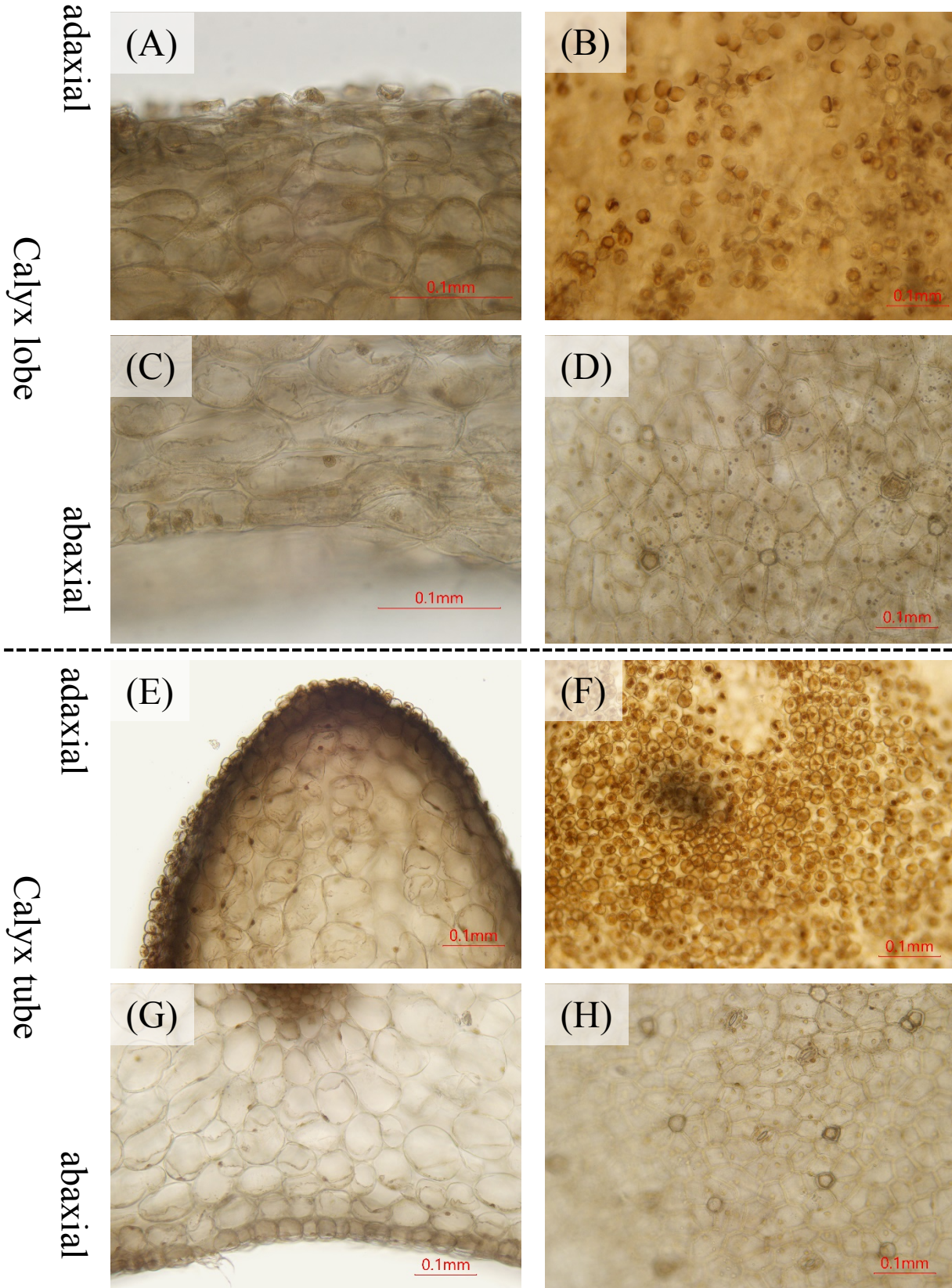
(A, C, E) Transverse section at (A) adaxial and (C) abaxial sides. (B, D, F, G) Surface at (B, F) adaxial and (D, G) abaxial sides.



*A. hypogynum* (161365) (in ethanol)

Transverse section

Surface



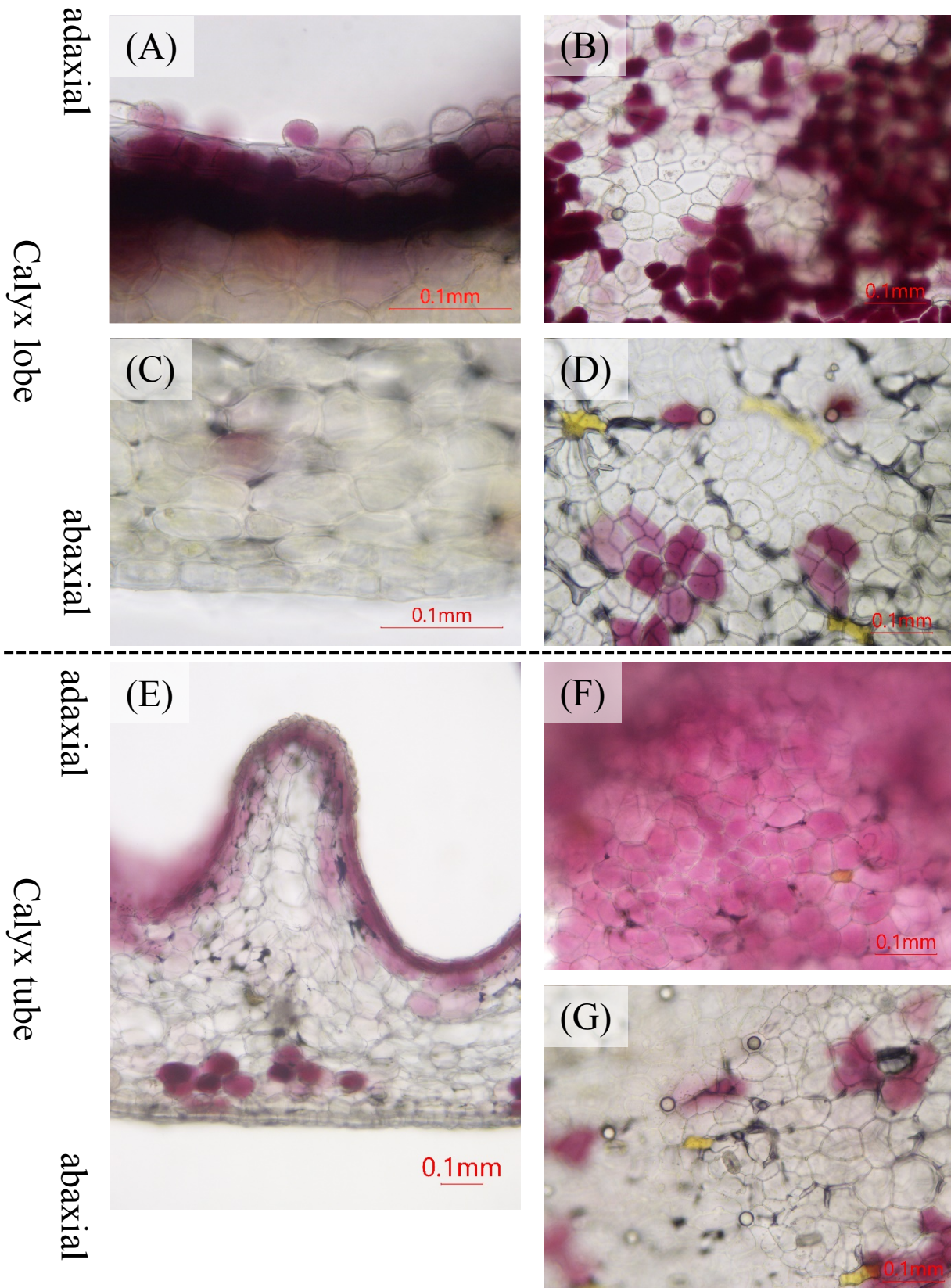
Supplementally Fig. 17. Microstructure of calyx in *A. hypogynum* (161365). (A-D) calyx lobe and (E-H) calyx tube were observed with the light microscope. (A, C, E, G) Transverse section at (A, E) adaxial and (C, G) abaxial sides. (B, D, F, H) Surface at (B, F) adaxial and (D, H) abaxial sides.



*A. hypogynum* (161366)

Transverse section

Surface



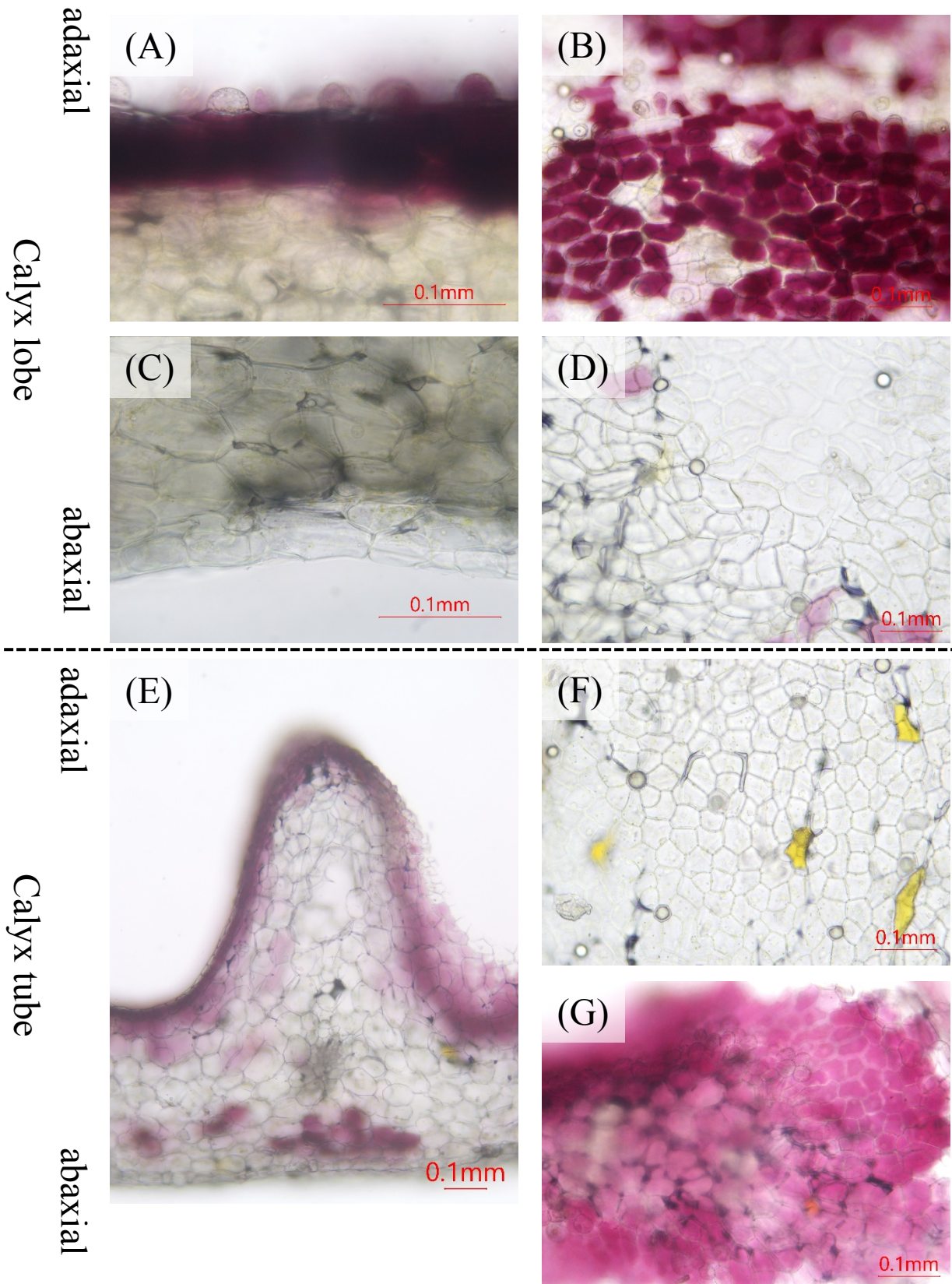
Supplementally Fig. 18. Microstructure of calyx in *A. hypogynum* (161366). (A-D) calyx lobe and (E-G) calyx tube were observed with the light microscope. (A, C, E) Transverse section at (A) adaxial and (C) abaxial sides. (B, D, F, G) Surface at (B, F) adaxial and (D, G) abaxial sides.



*A. hypogynum* (161367)

Transverse section

Surface



Supplementally Fig. 19. Microstructure of calyx in *A. hypogynum* (161367). (A-D) calyx lobe and (E-G) calyx tube were observed with the light microscope. (A, C, E) Transverse section at (A) adaxial and (C) abaxial sides. (B, D, F, G) Surface at (B, F) adaxial and (D, G) abaxial sides.



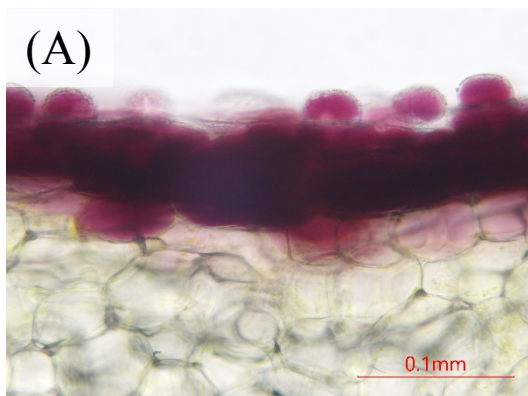
*A. hypogynum* (165469)

Transverse section

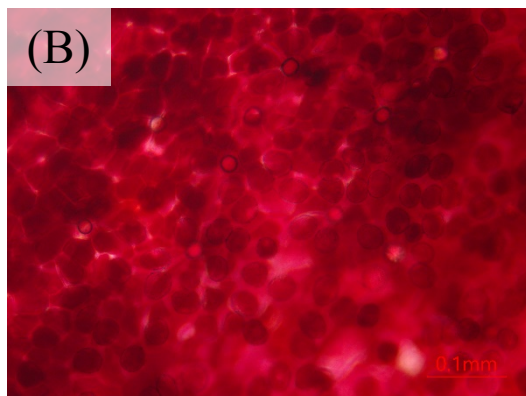
Surface

adaxial

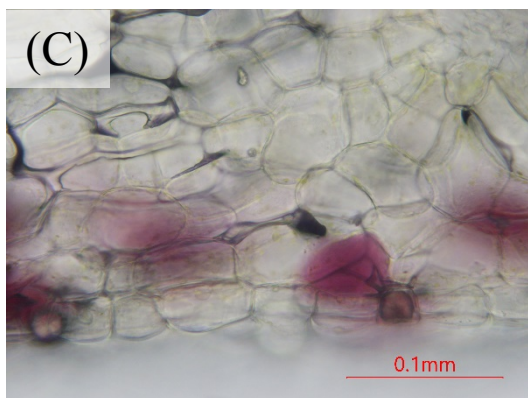
(A)



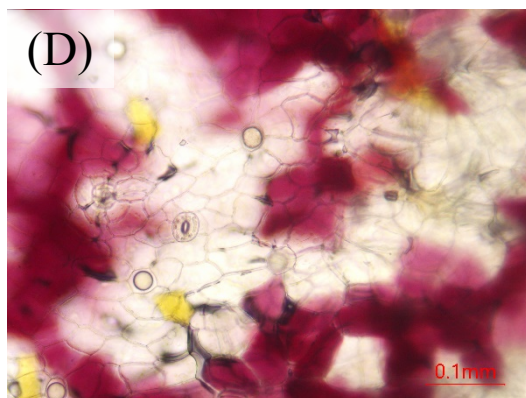
(B)



(C)



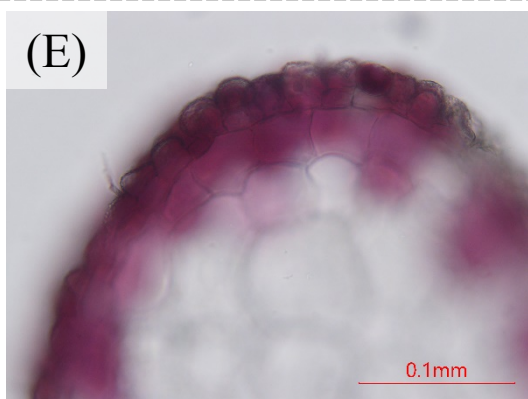
(D)



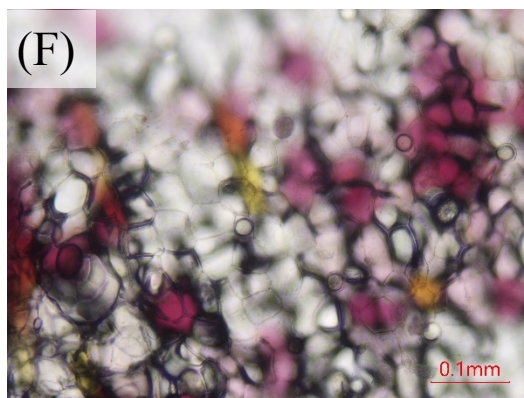
abaxial

adaxial

(E)



(F)



abaxial

Calyx tube

Calyx lobe

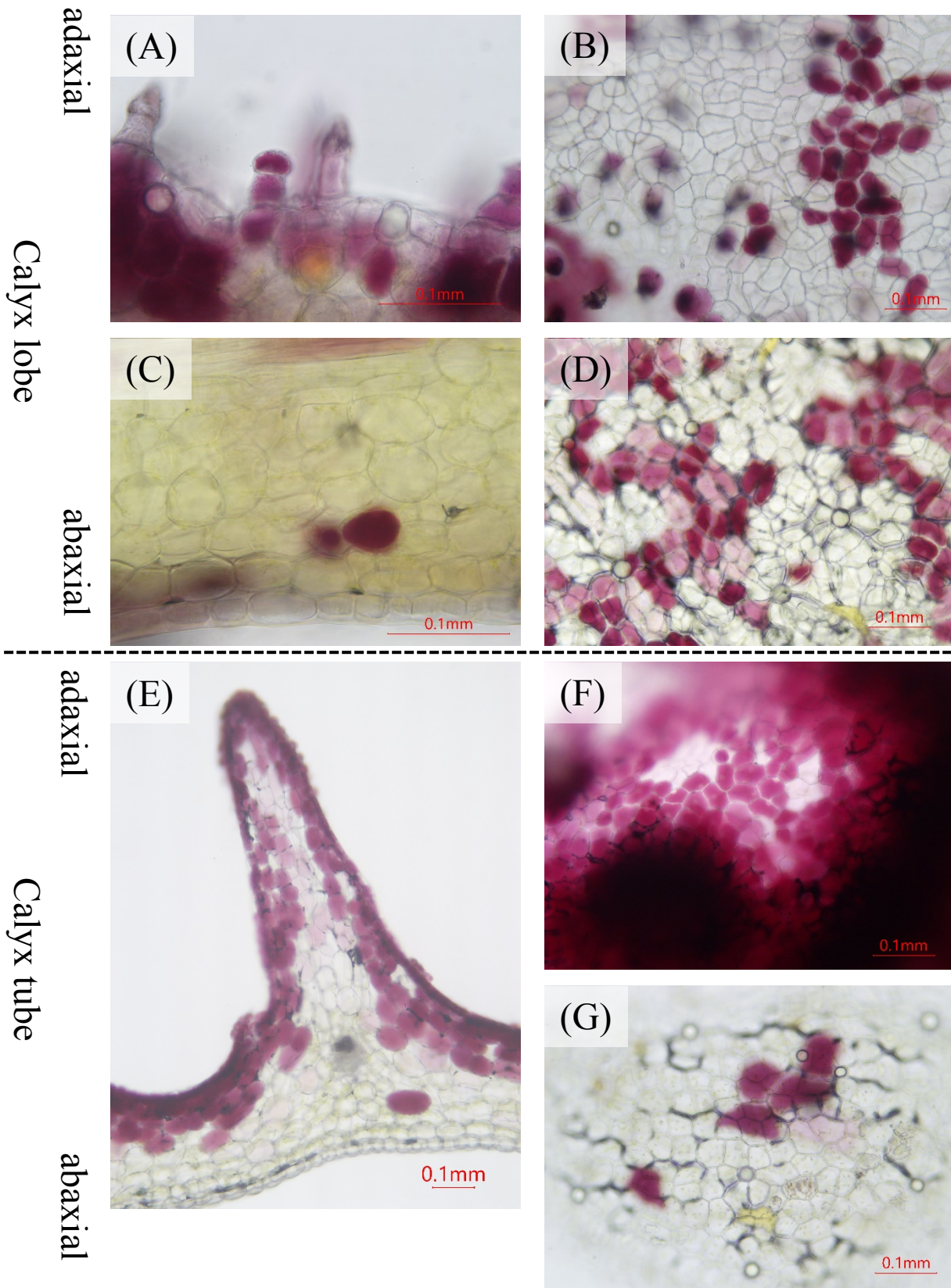
Supplementally Fig. 20. Microstructure of calyx in *A. hypogynum* (165469). (A-D) calyx lobe and (E, F) calyx tube were observed with the light microscope. (A, C, E) Transverse section at (A, E) adaxial and (C) abaxial sides. (B, D, F) Surface at (B) adaxial and (D, F) abaxial sides.



*A. ichangense* (ASIC2101)

Transverse section

Surface



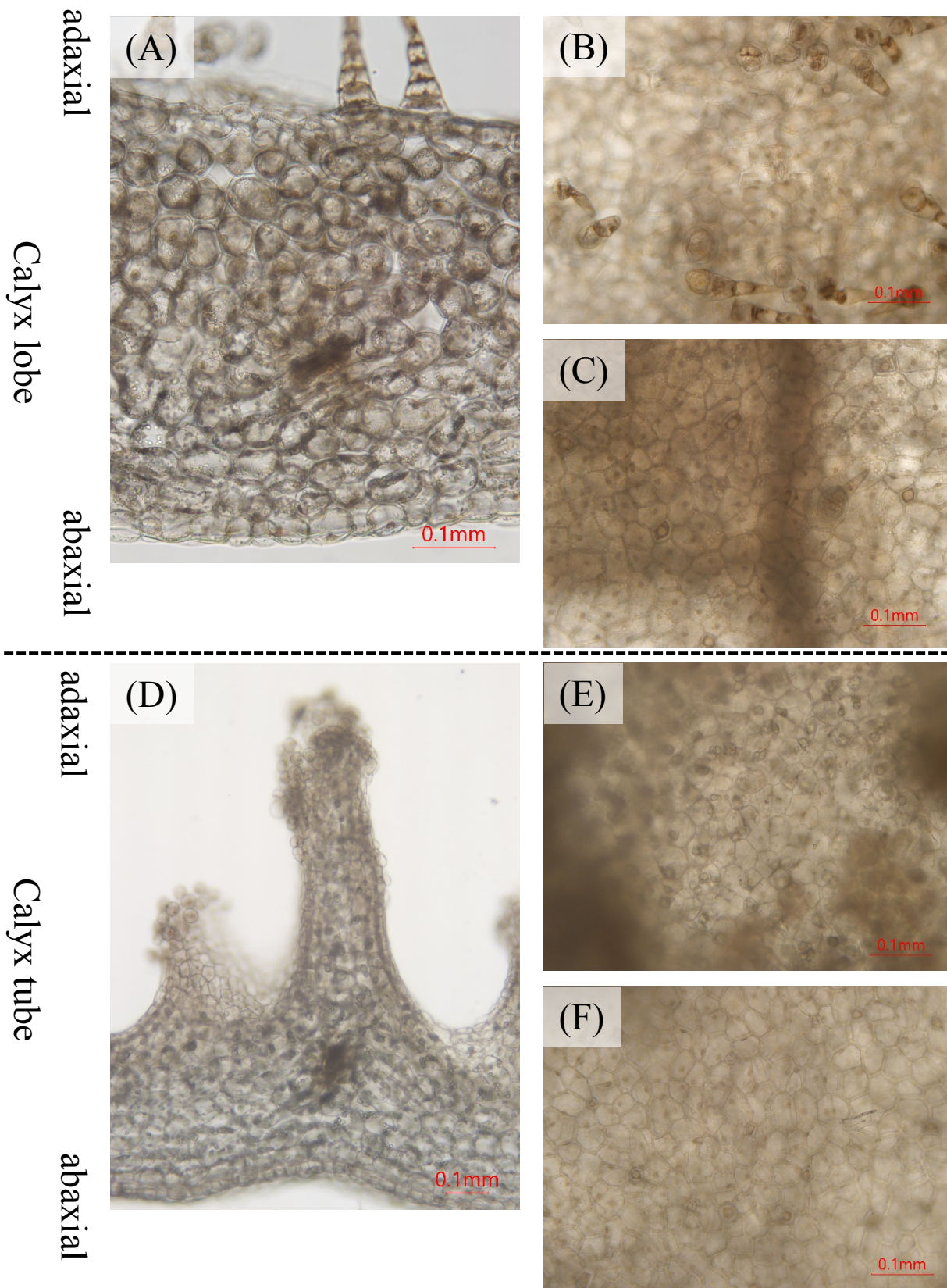
Supplementally Fig. 21. Microstructure of calyx in *A. ichangense* (ASIC2101). (A-D) calyx lobe and (E-G) calyx tube were observed with the light microscope. (A, C, E) Transverse section at (A) adaxial and (C) abaxial sides. (B, D, F, G) Surface at (B, F) adaxial and (D, G) abaxial sides.



*A. leucosepalum* (159765) (in ethanol)

Transverse section

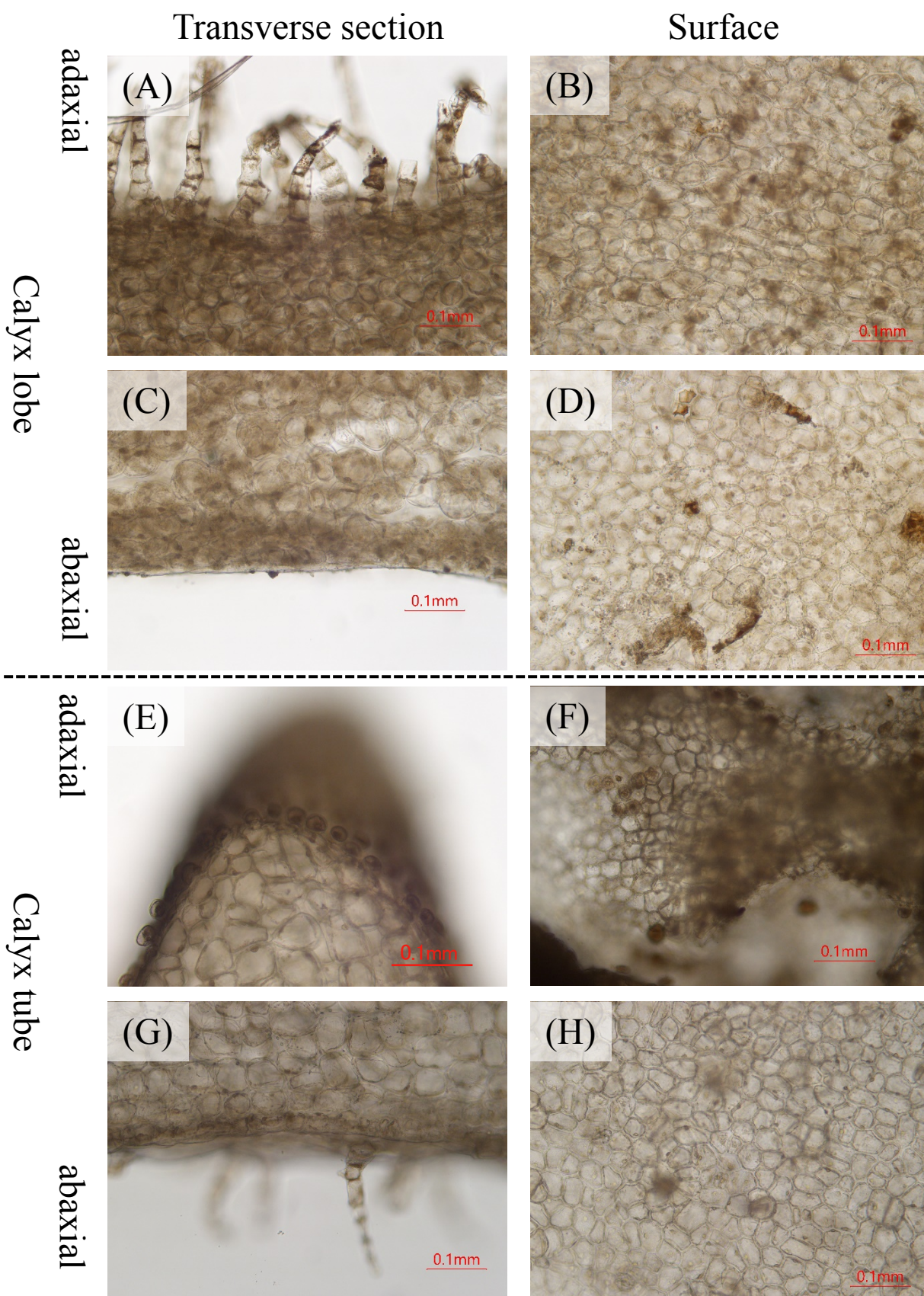
Surface



Supplementally Fig. 22. Microstructure of calyx in *A. leucosepalum* (159765). (A-C) calyx lobe and (D-F) calyx tube were observed with the light microscope. (A, D) Transverse section. (B, C, E, F) Surface at (B, E) adaxial and (C, F) abaxial sides.



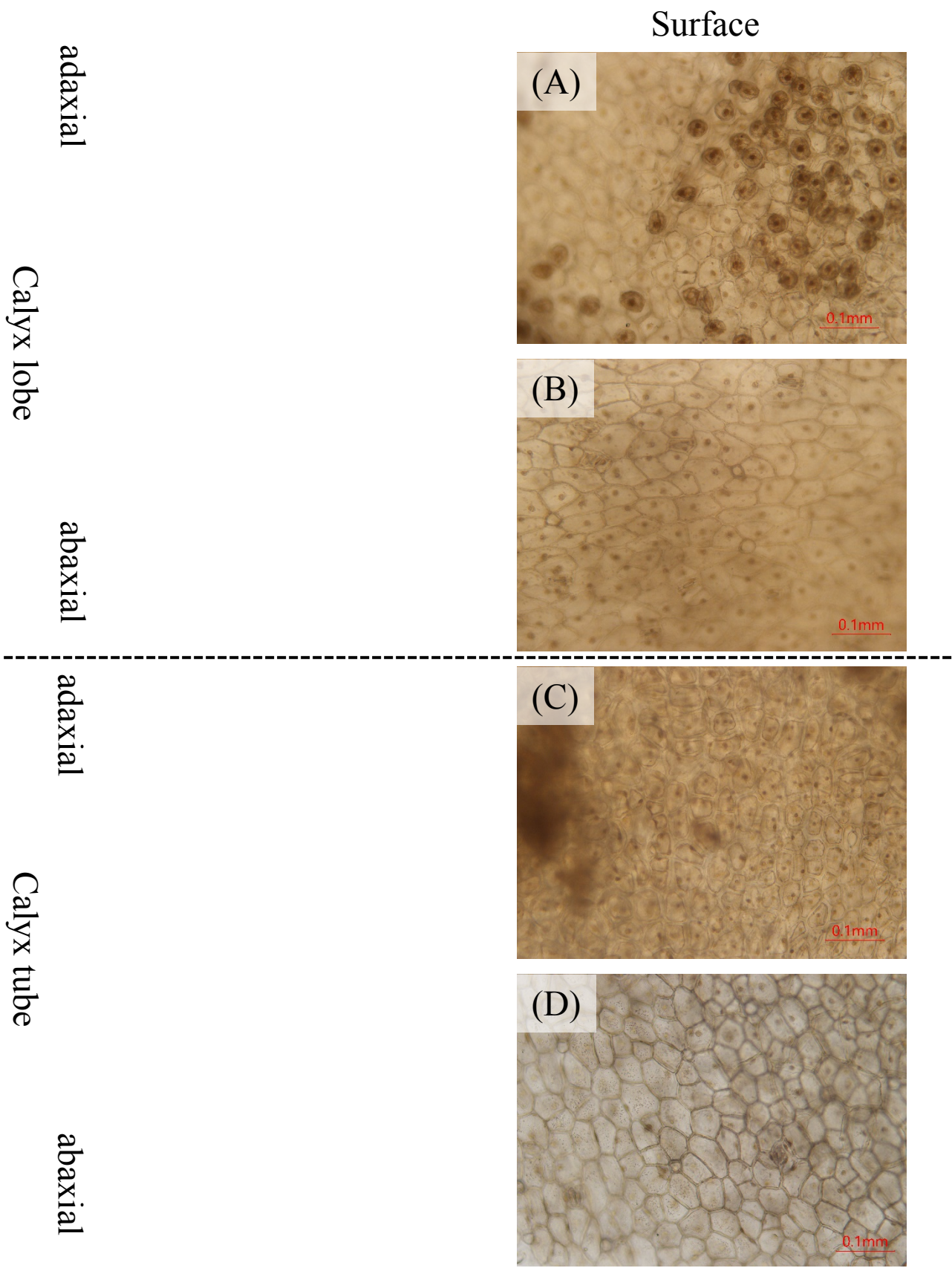
*A. lutchuense* (159767) (in ethanol)



Supplementally Fig. 23. Microstructure of calyx in *A. lutchuense* (159767). (A-D) calyx lobe and (E-H) calyx tube were observed with the light microscope. (A, C, E, G) Transverse section at (A, E) adaxial and (C, G) abaxial sides. (B, D, F, H) Surface at (B, F) adaxial and (D, H) abaxial sides.



*A. minamitanianum* (152618) (in ethanol)



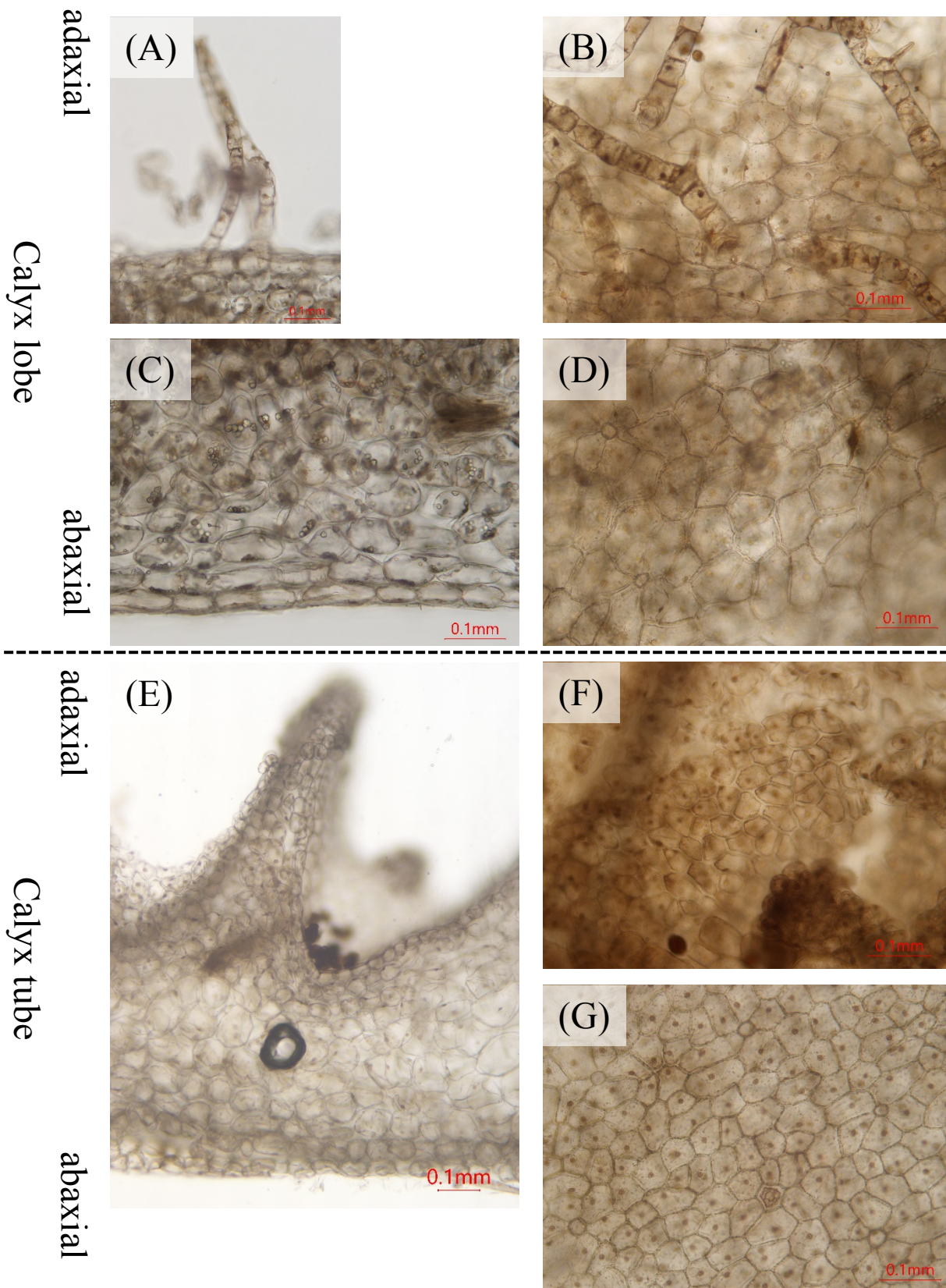
Supplementally Fig. 24. Microstructure of calyx in *A. minamitanianum* (152618). (A, B) calyx lobe and (C, D) calyx tube were observed with the light microscope. (A-D) Surface at (A, C) adaxial and (B, D) abaxial sides.



*A. muramatsui* (160068) (in ethanol)

Transverse section

Surface



Supplementally Fig. 25. Microstructure of calyx in *A. muramatsui* (160068). (A-D) calyx lobe and (E-G) calyx tube were observed with the light microscope. (A, C, E) Transverse section at (A) adaxial and (C) abaxial sides. (B, D, F, G) Surface at (B, F) adaxial and (D, G) abaxial sides.



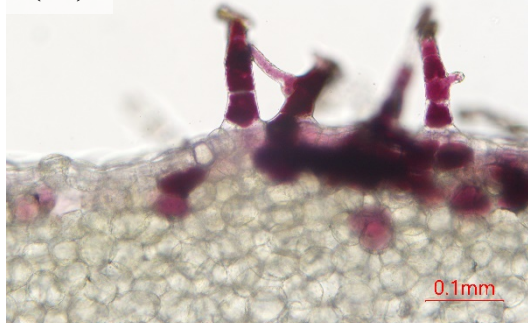
*A. nipponicum* (165539)

Transverse section

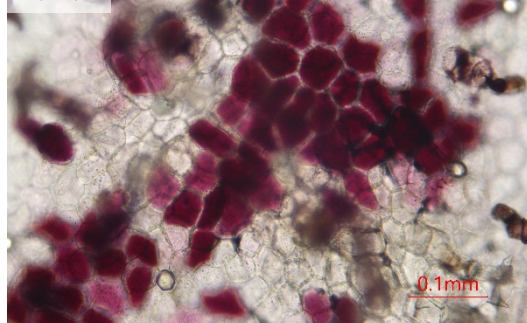
Surface

adaxial

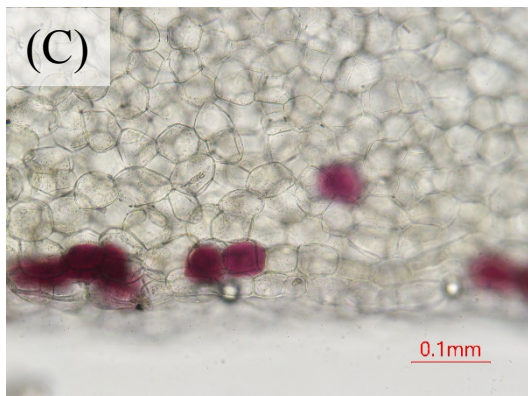
(A)



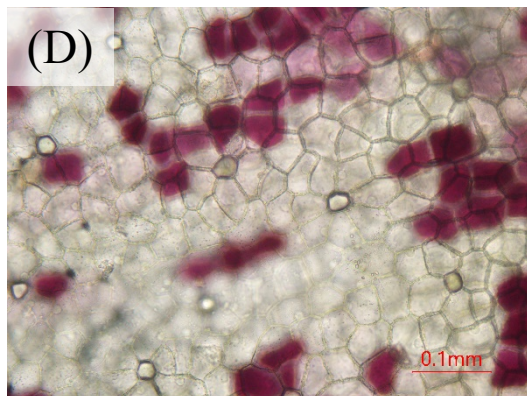
(B)



(C)

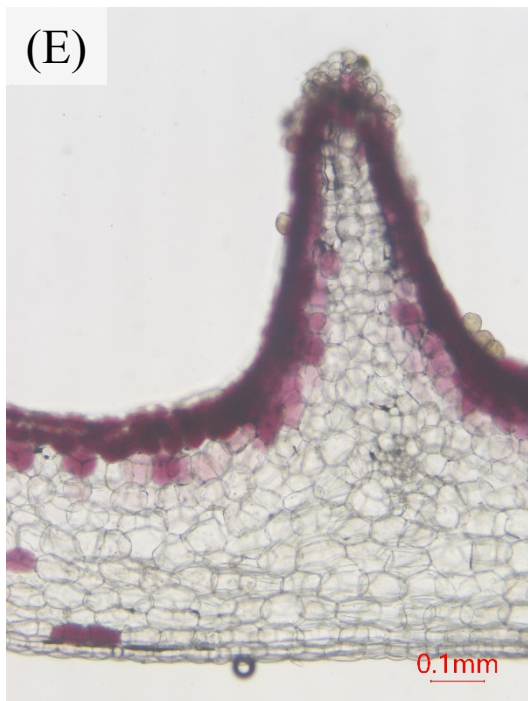


(D)

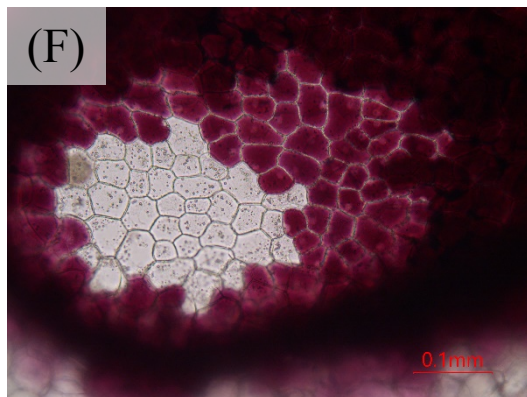


abaxial

(E)

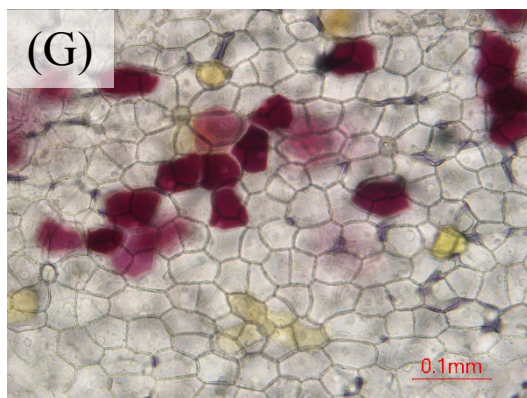


(F)



adaxial

(G)



abaxial

Calyx lobe

Calyx tube

Supplementally Fig. 26. Microstructure of calyx in *A. nipponicum* (165539). (A-D) calyx lobe and (E-G) calyx tube were observed with the light microscope. (A, C, E) Transverse section at (A) adaxial and (C) abaxial sides. (B, D, F, G) Surface at (B, F) adaxial and (D, G) abaxial sides.



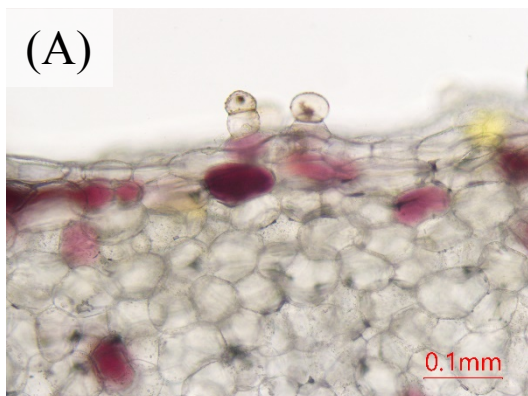
*A. savatieri* ssp. *savatieri* (165422)

Transverse section

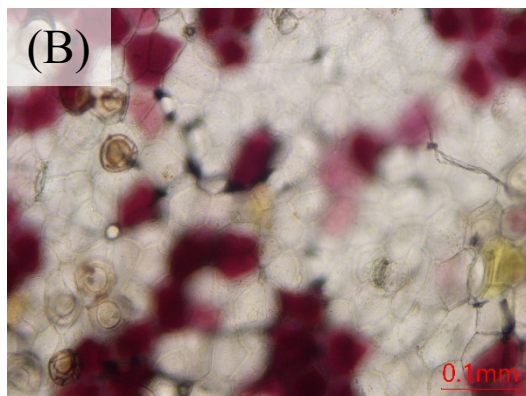
Surface

adaxial

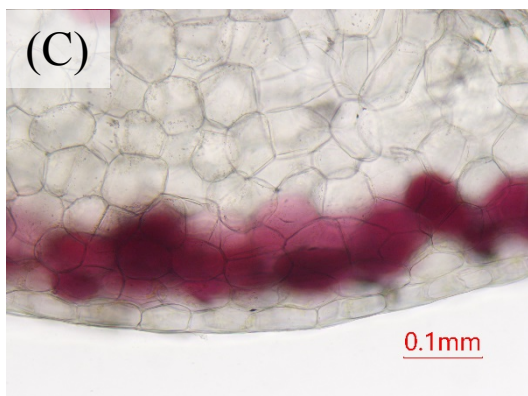
(A)



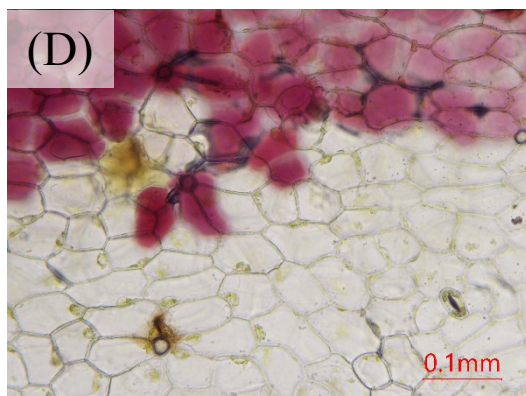
(B)



(C)

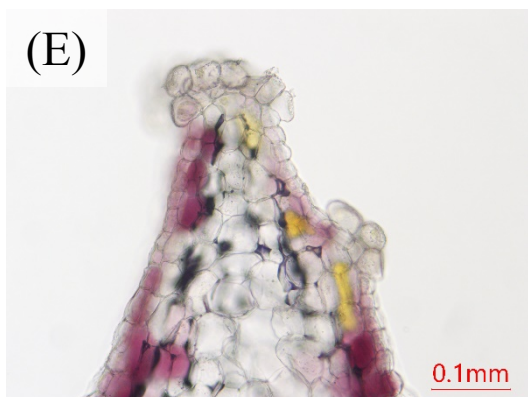


(D)

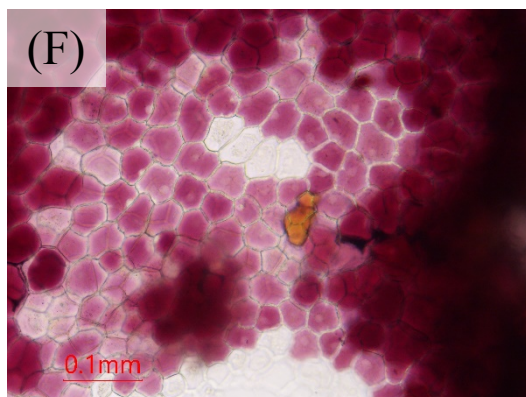


abaxial

(E)

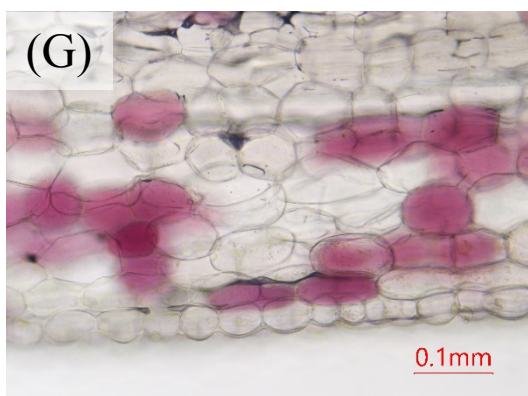


(F)

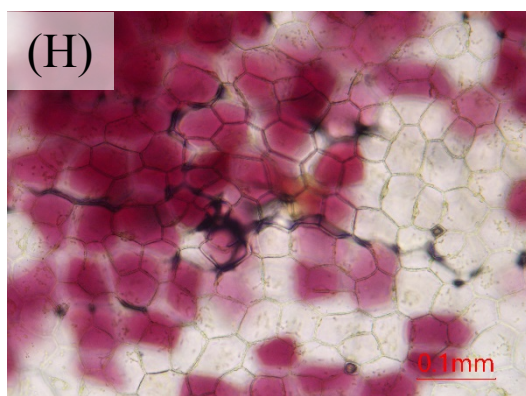


adaxial

(G)



(H)



abaxial

Calyx lobe

Calyx tube

Supplementally Fig. 27. Microstructure of calyx in *A. savatieri* ssp. *savatieri* (165422).

(A-D) calyx lobe and (E-H) calyx tube were observed with the light microscope.

(A, C, E, G) Transverse section at (A, E) adaxial and (C, G) abaxial sides. (B, D, F, H) Surface at (B, F) adaxial and (D, H) abaxial sides.



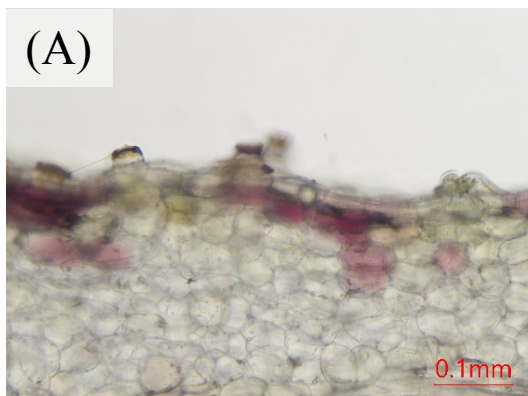
*A. savatieri* ssp. *savatieri* (165423)

Transverse section

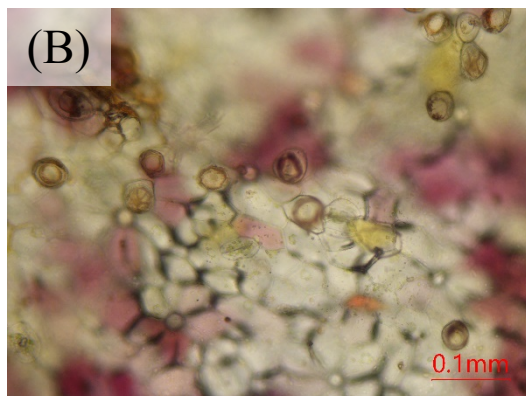
Surface

adaxial

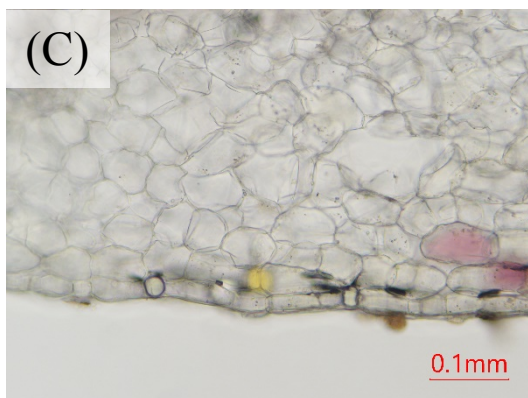
(A)



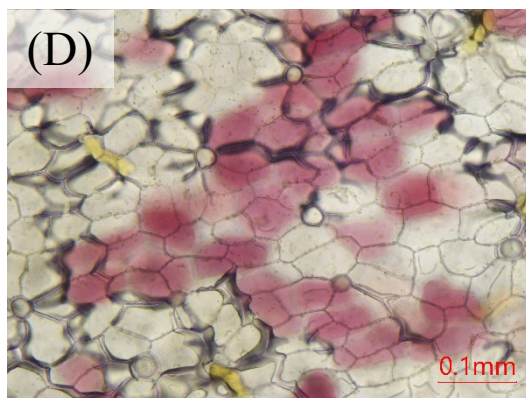
(B)



(C)

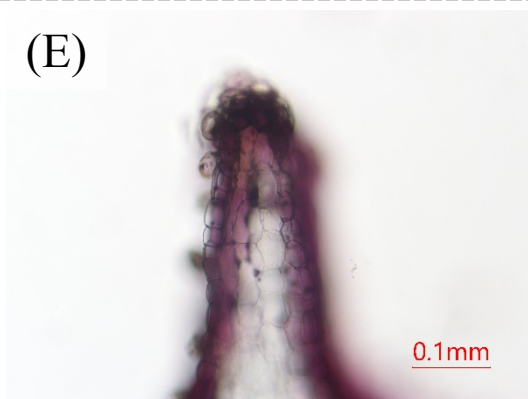


(D)

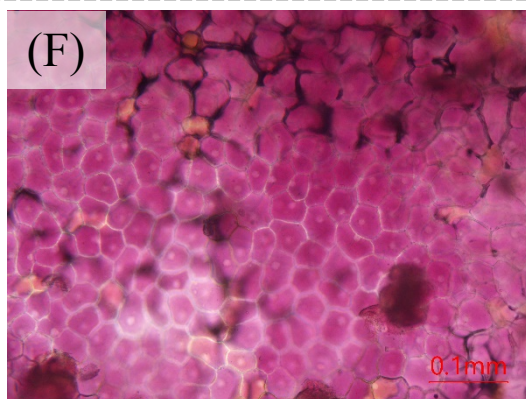


abaxial

(E)

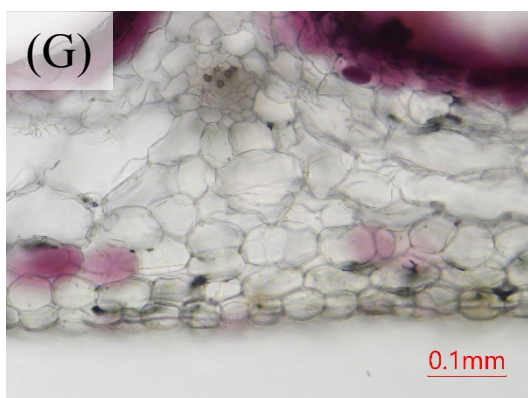


(F)

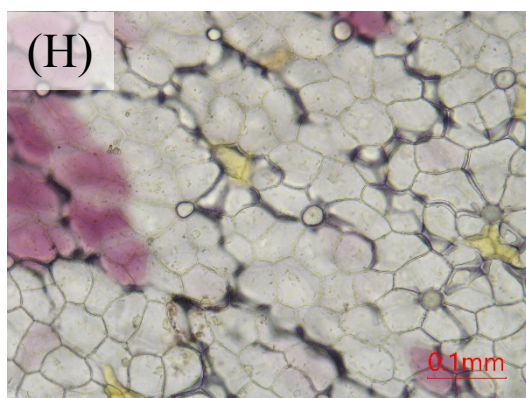


adaxial

(G)



(H)



abaxial

Calyx lobe

Calyx tube

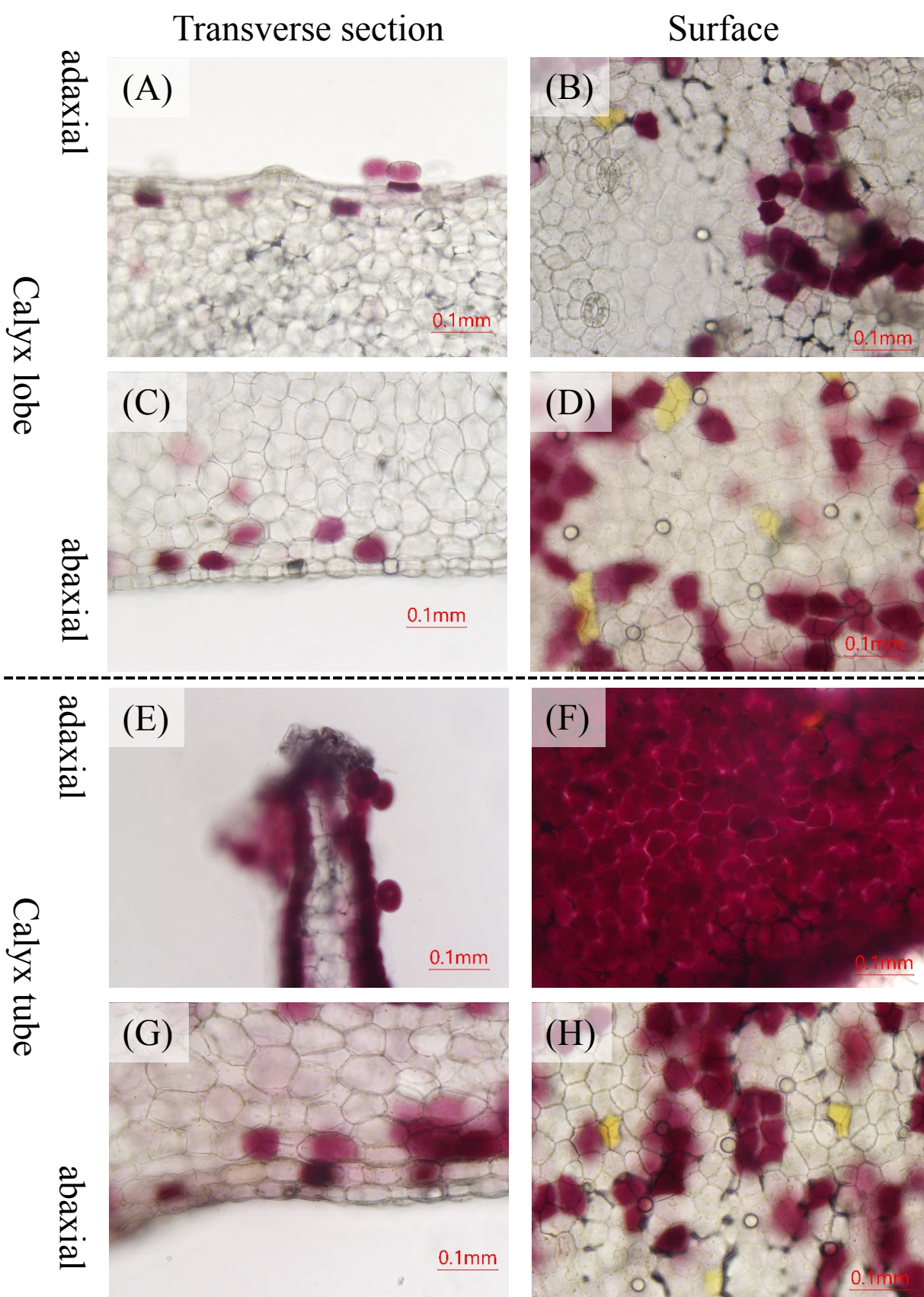
Supplementally Fig. 28. Microstructure of calyx in *A. savatieri* ssp. *savatieri* (165423).

(A-D) calyx lobe and (E-H) calyx tube were observed with the light microscope.

(A, C, E, G) Transverse section at (A, E) adaxial and (C, G) abaxial sides. (B, D, F, H) Surface at (B, F) adaxial and (D, H) abaxial sides.



*A. savatieri* ssp. *savatieri* (165424)



Supplementally Fig. 29. Microstructure of calyx in *A. savatieri* ssp. *savatieri* (165424).

(A-D) calyx lobe and (E-H) calyx tube were observed with the light microscope.

(A, C, E, G) Transverse section at (A, E) adaxial and (C, G) abaxial sides. (B, D, F, H) Surface at (B, F) adaxial and (D, H) abaxial sides.



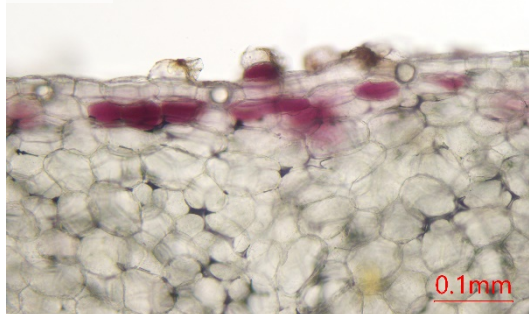
*A. savatieri* ssp. *savatieri* (165425)

Transverse section

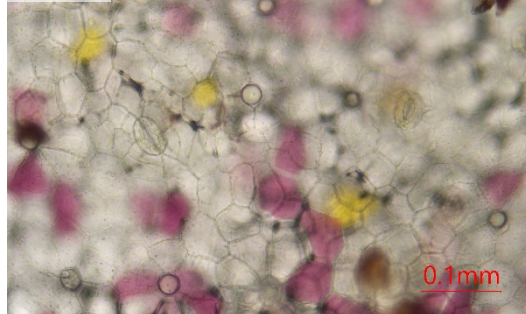
Surface

adaxial

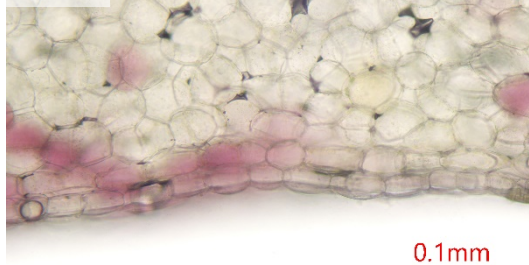
(A)



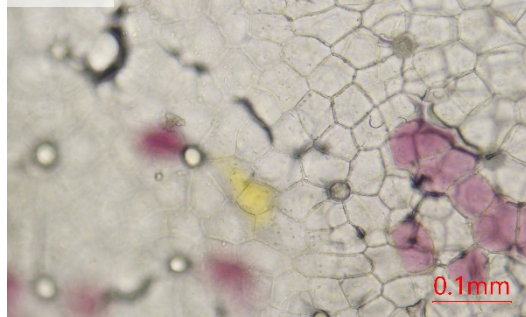
(B)



(C)



(D)

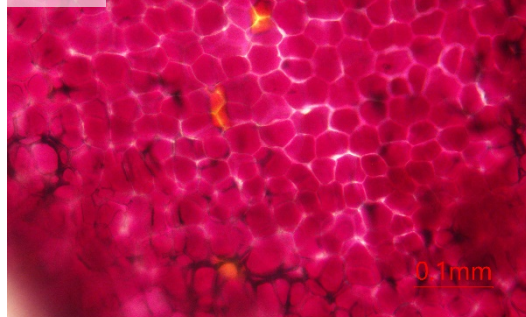


adaxial

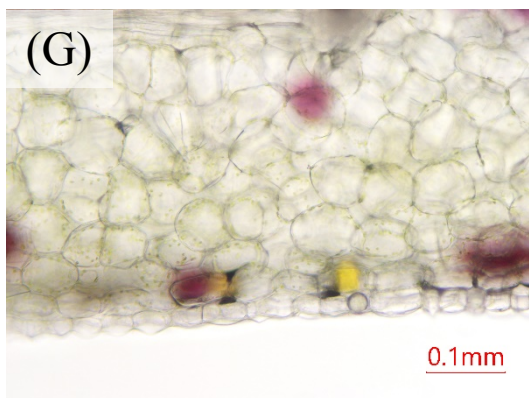
(E)



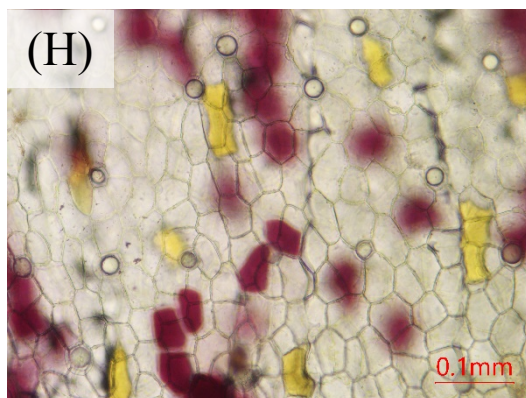
(F)



(G)



(H)



abaxial

Calyx lobe

Calyx tube

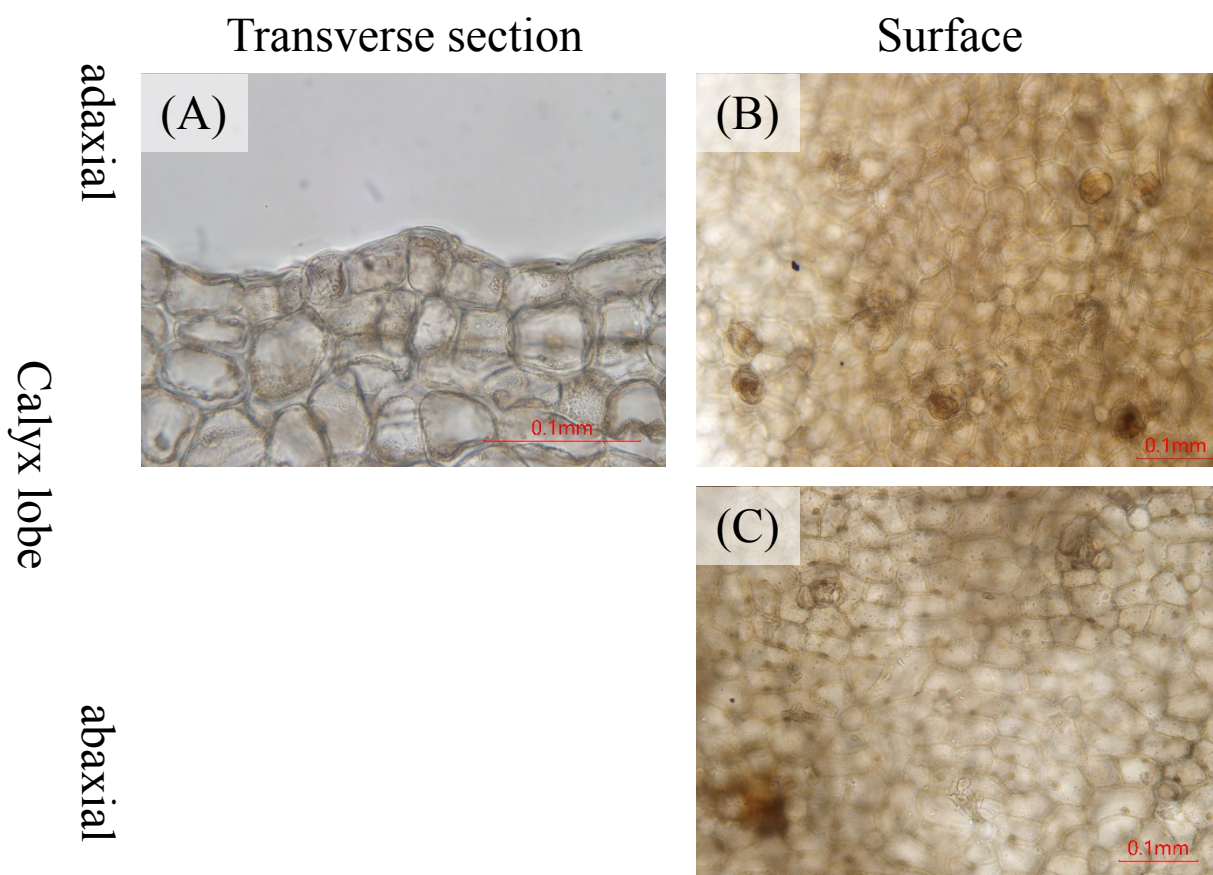
Supplementally Fig. 30. Microstructure of calyx in *A. savatieri* ssp. *savatieri* (165425).

(A-D) calyx lobe and (E-H) calyx tube were observed with the light microscope.

(A, C, E, G) Transverse section at (A, E) adaxial and (C, G) abaxial sides. (B, D, F, H) Surface at (B, F) adaxial and (D, H) abaxial sides.



*A. savatieri* ssp. *pseudosavatieri* var. *pseudosavatieri* (160072) (in ethanol)



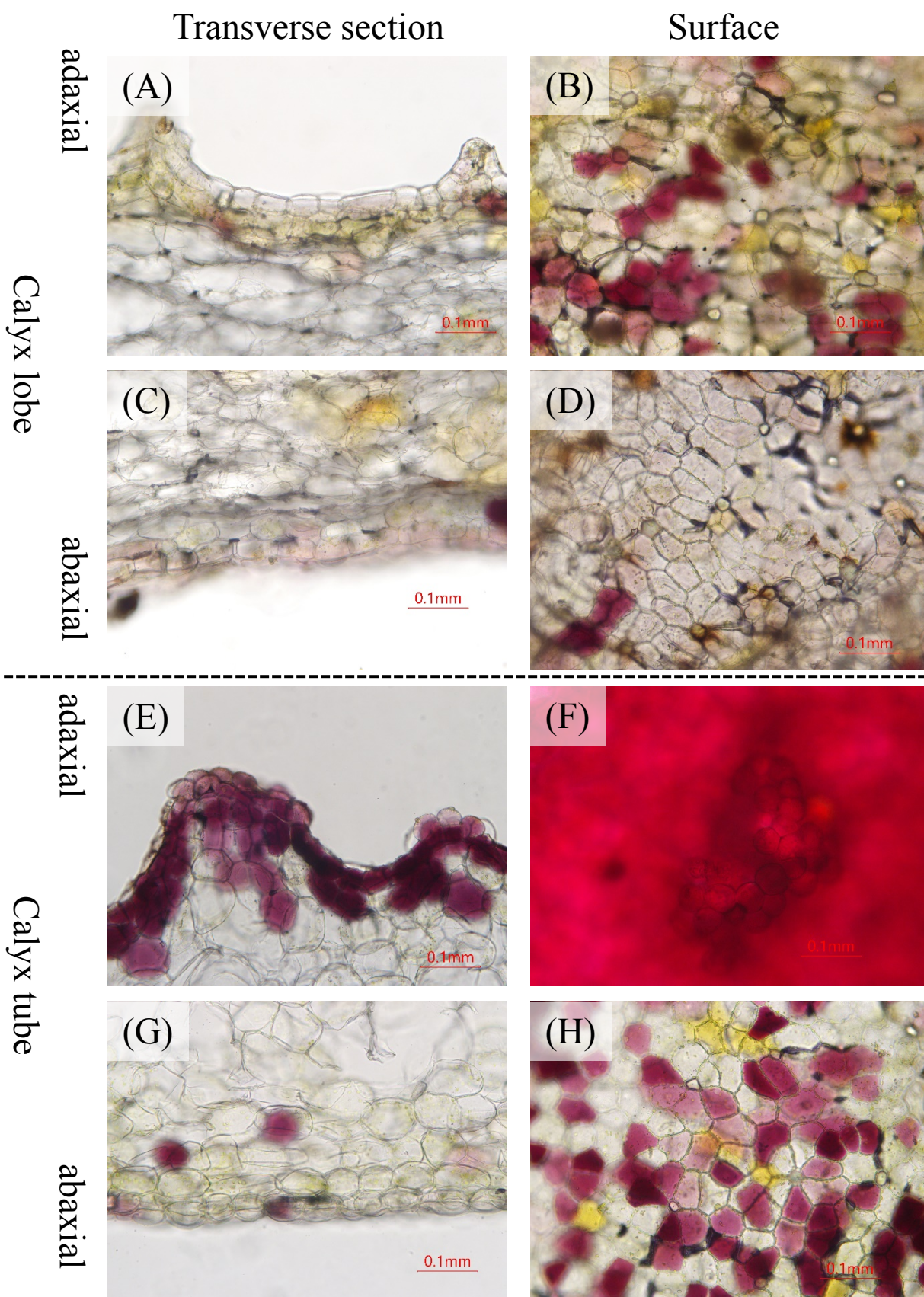
Supplementally Fig. 31. Microstructure of calyx in *A. savatieri* ssp. *pseudosavatieri* var. *pseudosavatieri*(160072).

(A-C) calyx lobe were observed with the light microscope.

(A) Transverse section at adaxial side. (B, C) Surface at (B) adaxial and (C) abaxial sides.



*A. savatieri* ssp. *pseudosavatieri* var. *pseudosavatieri* (160073)



Supplementally Fig. 32. Microstructure of calyx in *A. savatieri* ssp. *pseudosavatieri* var. *pseudosavatieri*(160073).

(A-D) calyx lobe and (E-H) calyx tube were observed with the light microscope.

(A, C, E, G) Transverse section at (A, E) adaxial and (C, G) abaxial sides. (B, D, F, H) Surface at (B, F) adaxial and (D, H) abaxial sides.



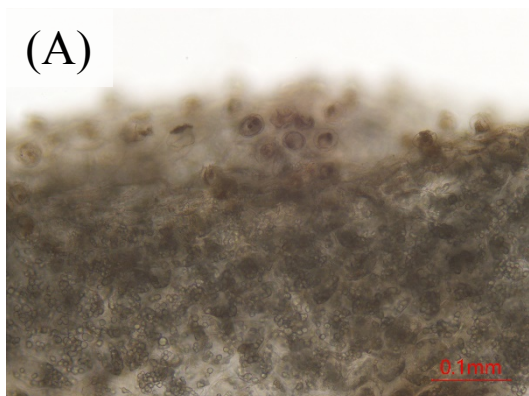
*A. simile* (160616) (in ethanol)

Transverse section

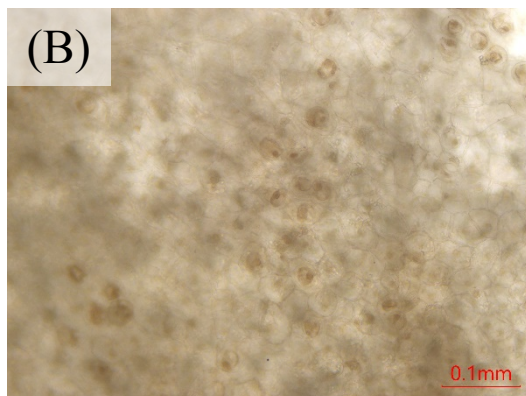
Surface

adaxial

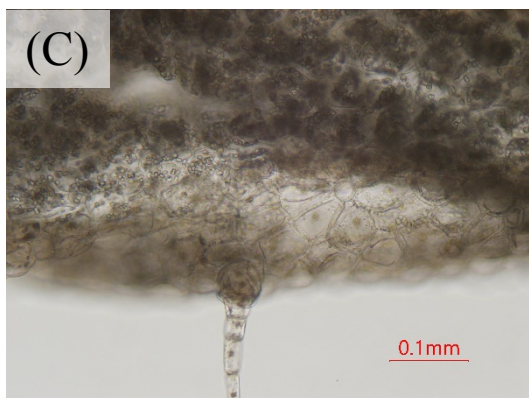
(A)



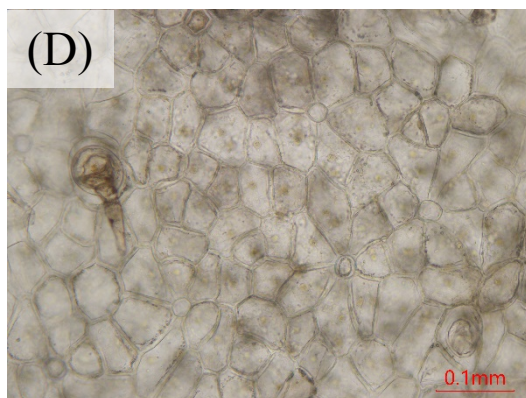
(B)



(C)



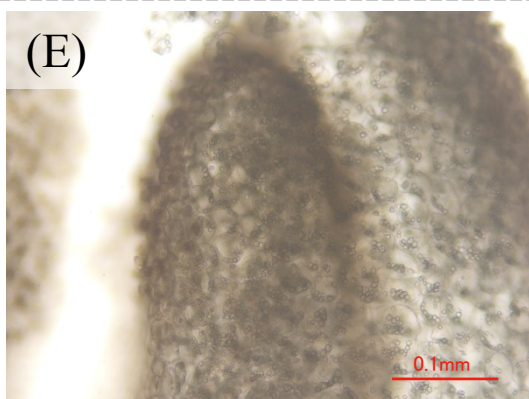
(D)



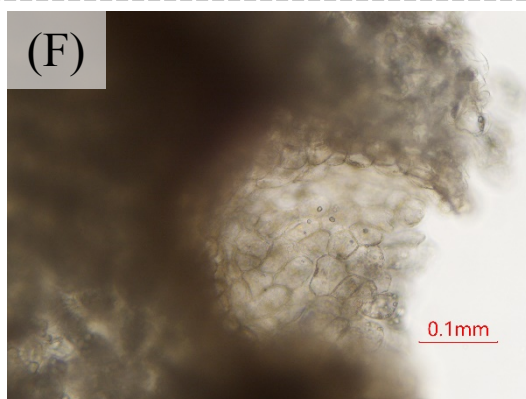
abaxial

adaxial

(E)

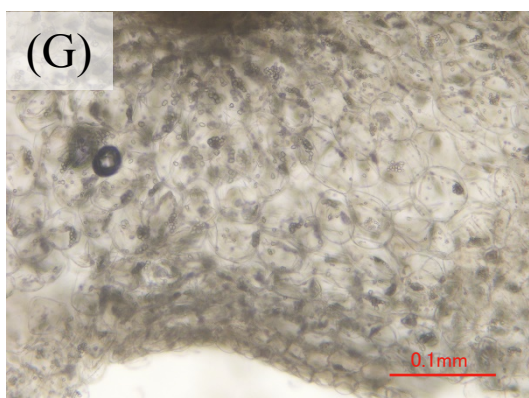


(F)

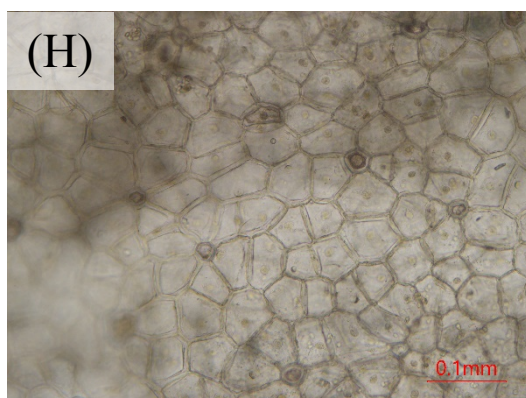


Calyx tube

(G)



(H)



abaxial

Supplementally Fig. 33. Microstructure of calyx in *A. simile* (160616).

(A-D) calyx lobe and (E-H) calyx tube were observed with the light microscope.

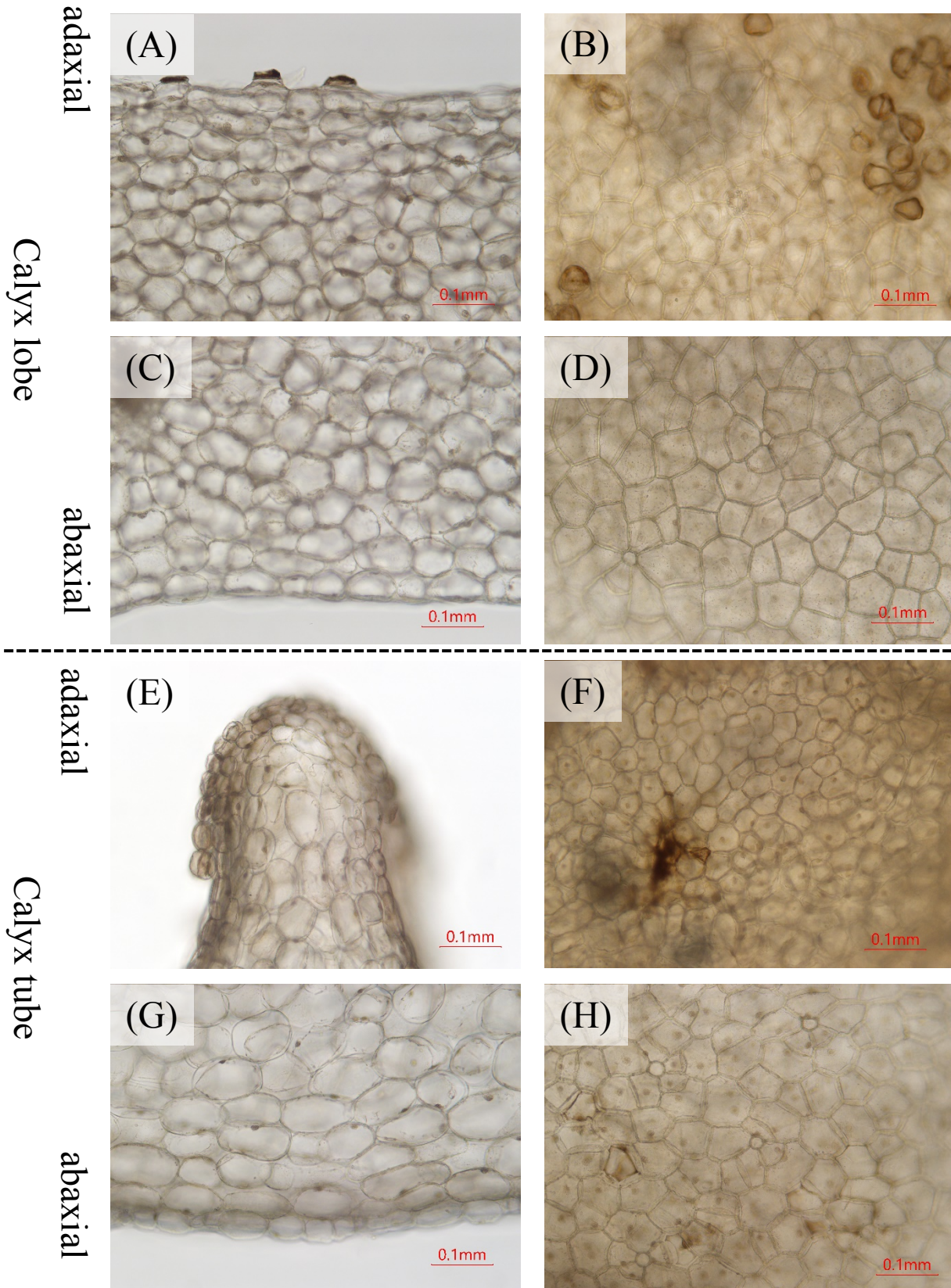
(A, C, E, G) Transverse section at (A, E) adaxial and (C, G) abaxial sides. (B, D, F, H) Surface at (B, F) adaxial and (D, H) abaxial sides.



*A. subglobosum* (160975) (in ethanol)

Transverse section

Surface



Supplementally Fig. 34. Microstructure of calyx in *A. subglobosum* (160975). (A-D) calyx lobe and (E-H) calyx tube were observed with the light microscope. (A, C, E, G) Transverse section at (A, E) adaxial and (C, G) abaxial sides. (B, D, F, H) Surface at (B, F) adaxial and (D, H) abaxial sides.



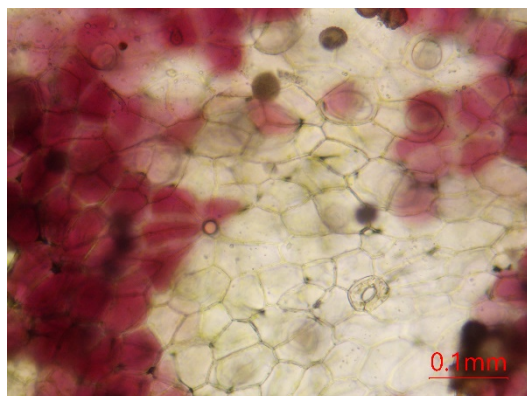
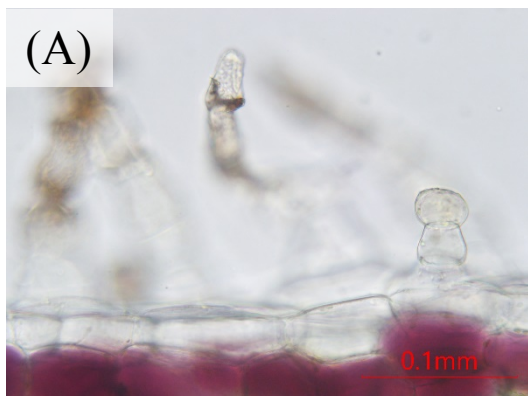
*A. tabatanum* (165568)

Transverse section

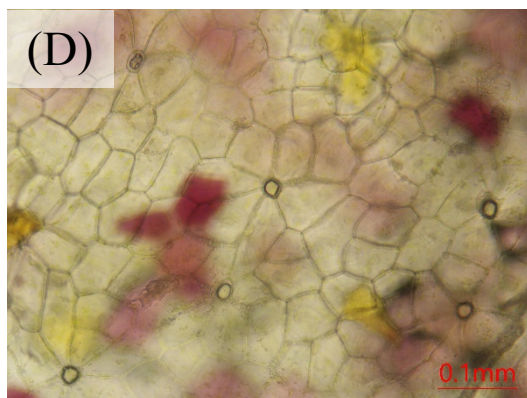
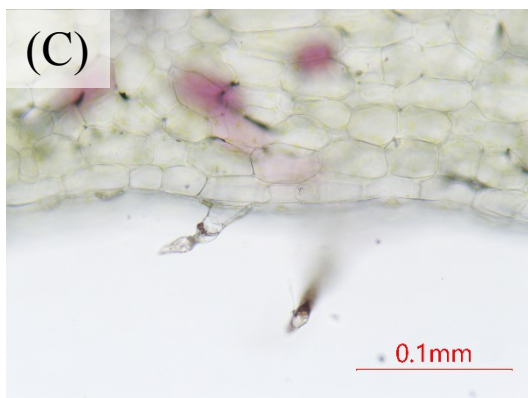
Surface

adaxial

(A)

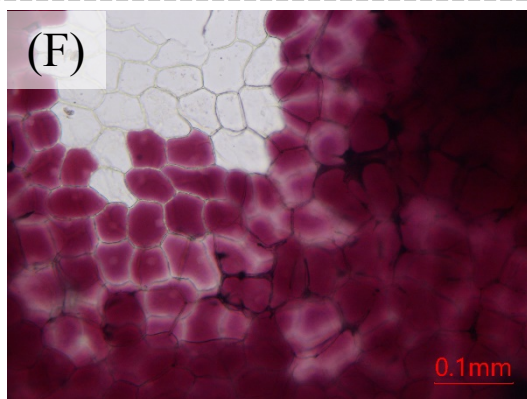
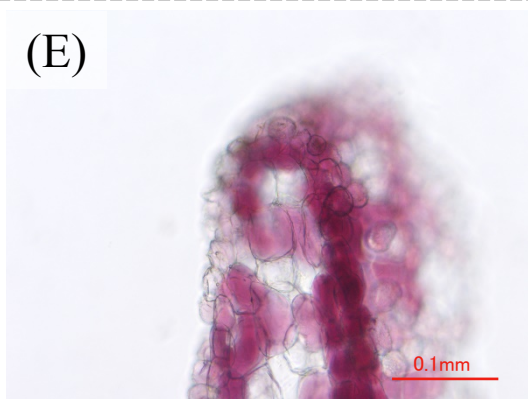


(C)



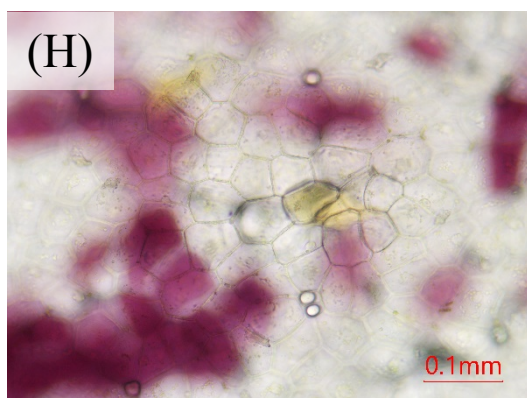
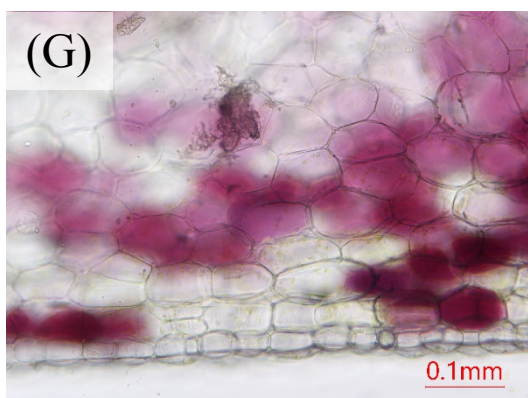
abaxial

(E)



adaxial

(G)



abaxial

Calyx lobe

Calyx tube

Supplementally Fig. 35. Microstructure of calyx in *A. tabatanum* (165568).

(A-D) calyx lobe and (E-H) calyx tube were observed with the light microscope.

(A, C, E, G) Transverse section at (A, E) adaxial and (C, G) abaxial sides. (B, D, F, H) Surface at (B, F) adaxial and (D, H) abaxial sides.



*A. yaeyamense* (160199) (in ethanol)

Transverse section

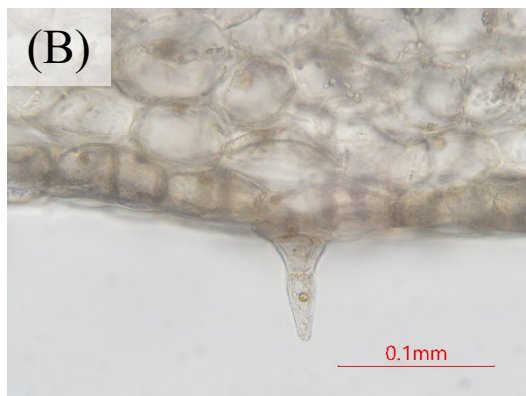
Surface

adaxial

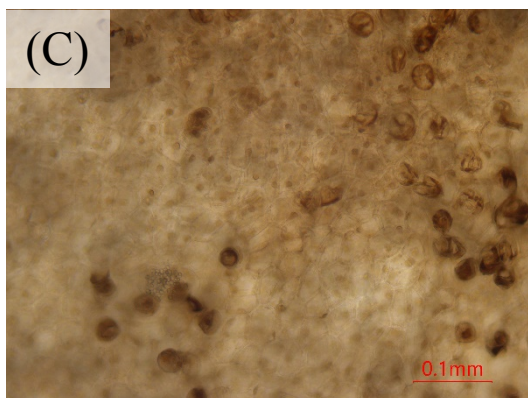
(A)



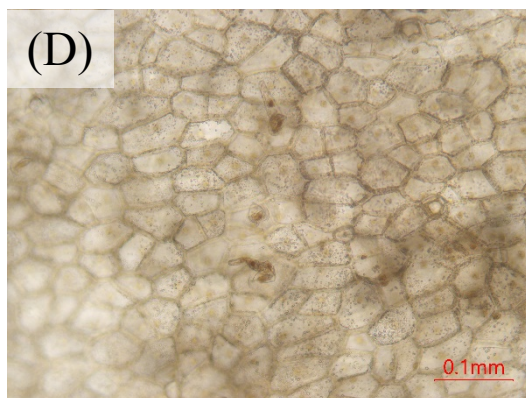
(B)



(C)

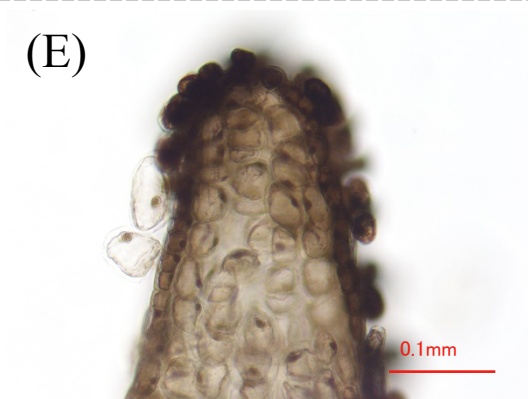


(D)

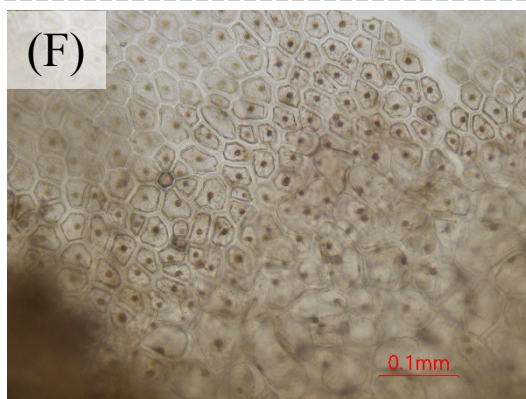


adaxial

(E)

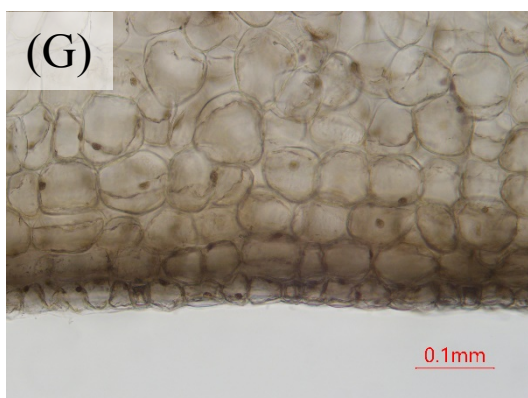


(F)

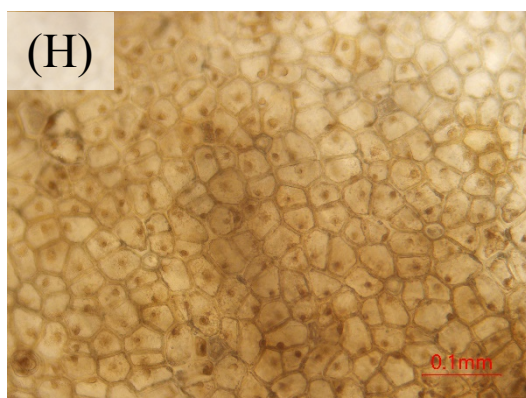


Calyx tube

(G)



(H)



abaxial

Supplementally Fig. 36. Microstructure of calyx in *A. yaeyamense* (160199).

(A-D) calyx lobe and (E-H) calyx tube were observed with the light microscope.

(A, C, E, G) Transverse section at (A, E) adaxial and (C, G) abaxial sides. (B, D, F, H) Surface at (B, F) adaxial and (D, H) abaxial sides.



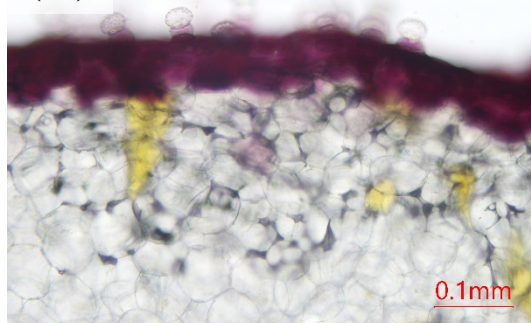
*A. yaeyamense* (160198)

Transverse section

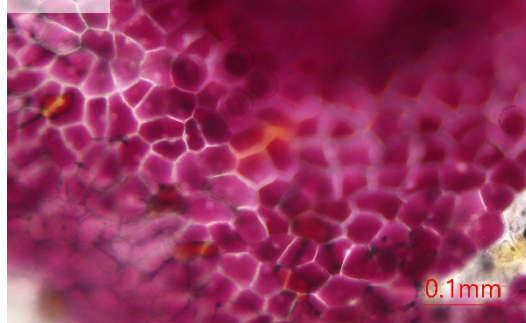
Surface

adaxial

(A)



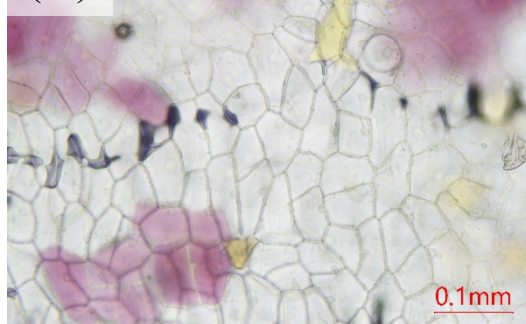
(B)



(C)



(D)

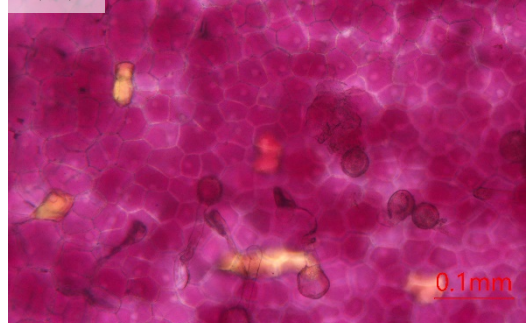


abaxial

(E)

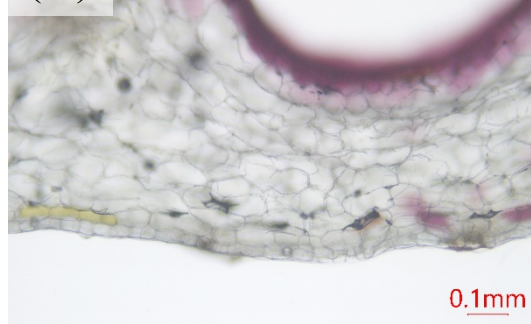


(F)

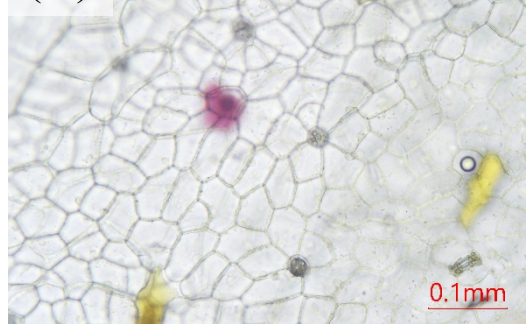


adaxial

(G)



(H)



abaxial

Calyx lobe

Calyx tube

Supplementally Fig. 37. Microstructure of calyx in *A. yaeyamense* (160198). (A-D) calyx lobe and (E-H) calyx tube were observed with the light microscope. (A, C, E, G) Transverse section at (A, E) adaxial and (C, G) abaxial sides. (B, D, F, H) Surface at (B, F) adaxial and (D, H) abaxial sides.



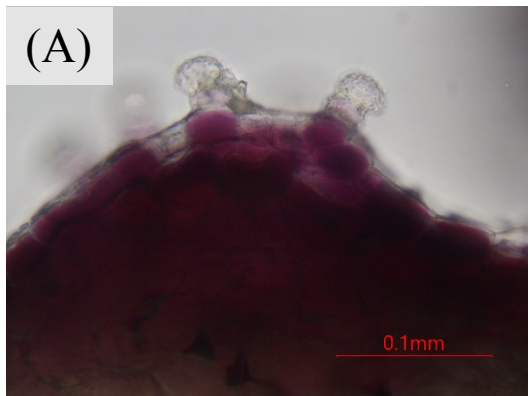
*A. yaeyamense* (160199)

Transverse section

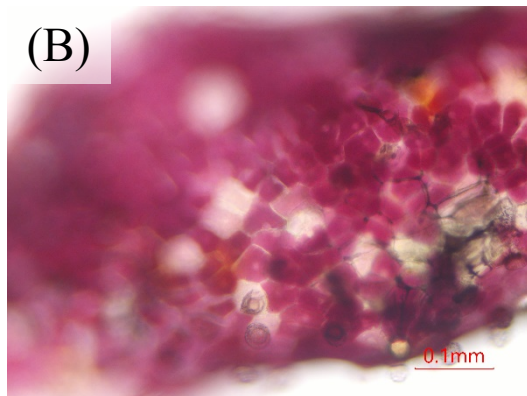
Surface

adaxial

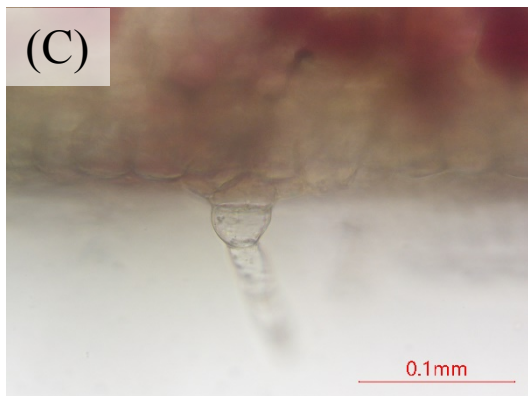
(A)



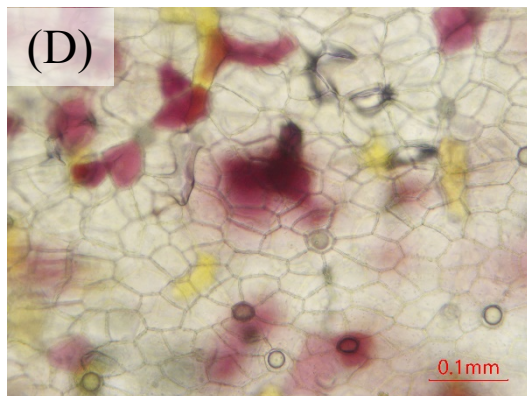
(B)



(C)

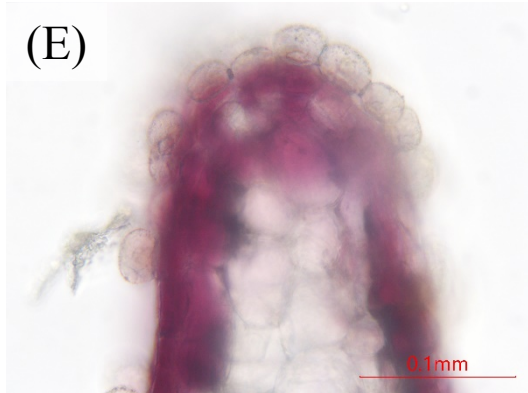


(D)

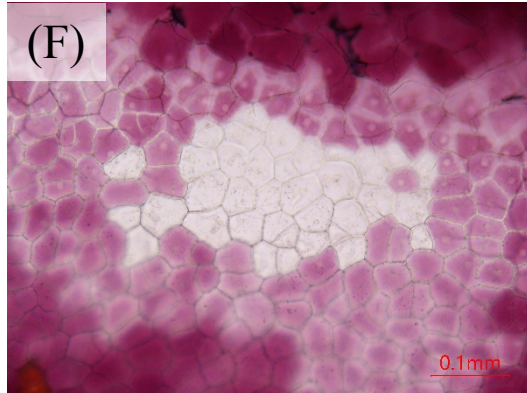


adaxial

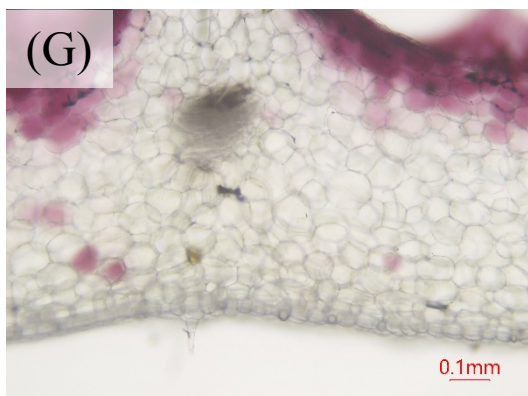
(E)



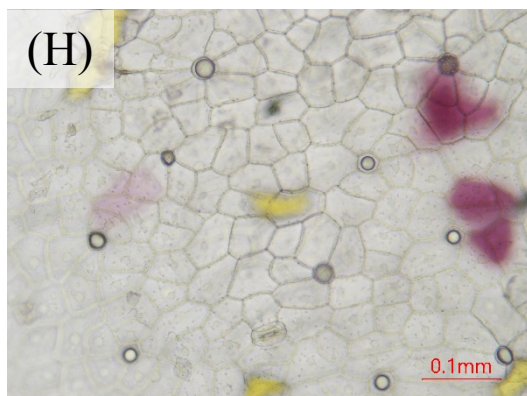
(F)



(G)



(H)



abaxial

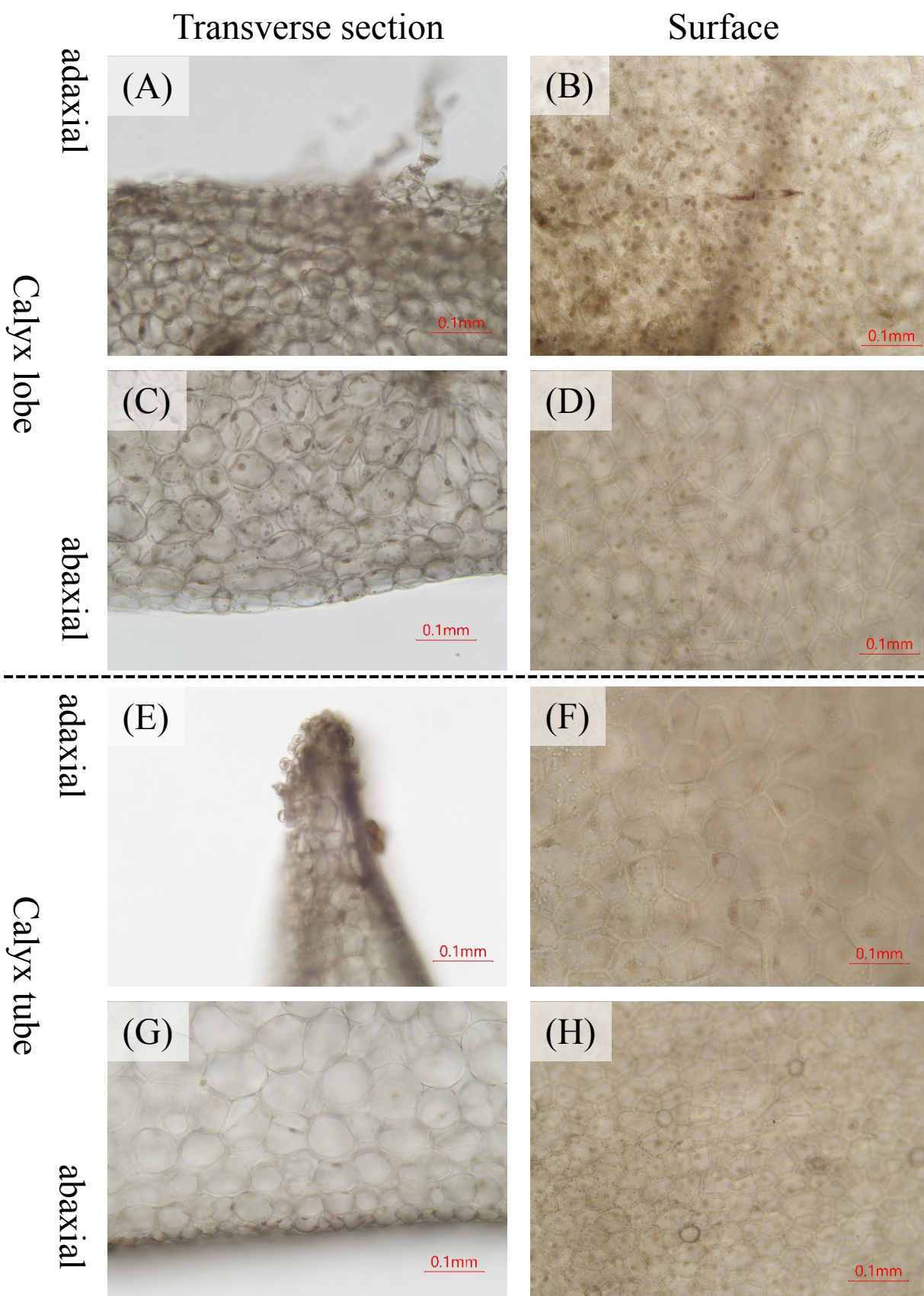
Calyx lobe

Calyx tube

Supplementally Fig. 38. Microstructure of calyx in *A. yaeyamense* (160199). (A-D) calyx lobe and (E-H) calyx tube were observed with the light microscope. (A, C, E, G) Transverse section at (A, E) adaxial and (C, G) abaxial sides. (B, D, F, H) Surface at (B, F) adaxial and (D, H) abaxial sides.



*A. yakushimense* (158828) (in ethanol)



Supplementally Fig. 39. Microstructure of calyx in *A. yakushimense* (158828). (A-D) calyx lobe and (E-H) calyx tube were observed with the light microscope. (A, C, E, G) Transverse section at (A, E) adaxial and (C, G) abaxial sides. (B, D, F, H) Surface at (B, F) adaxial and (D, H) abaxial sides.