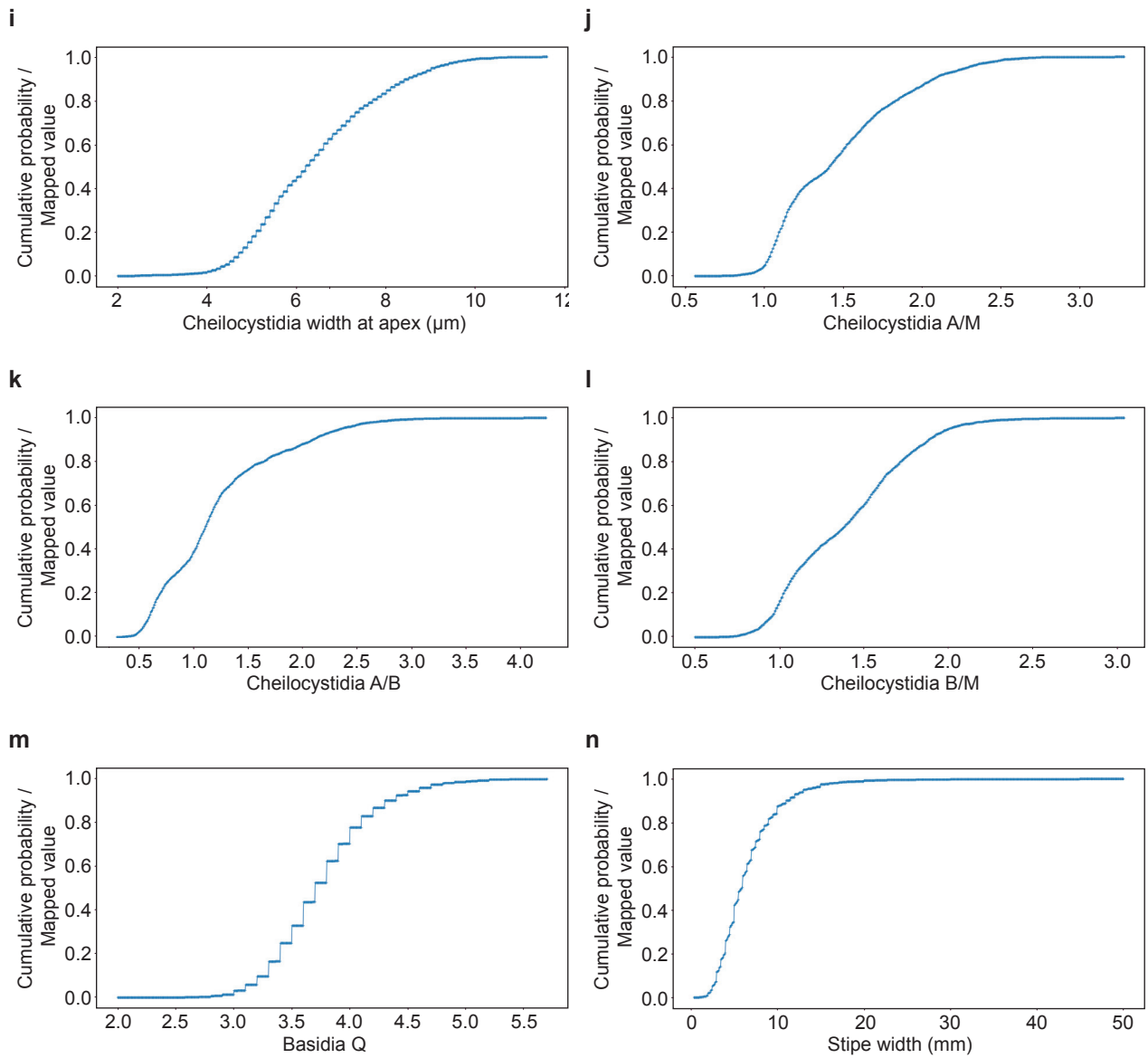**Appendix Fig. S1.** The probability distribution of each of the continuously-valued characters used in one or more of the identifiers. The probability distribution also acts as a mapping from the character to a feature value between 0 and 1. The characters are **a** latitude, **b** longitude, **c** altitude, **d** number of complete lamellae, **e** average spore length, **f** average spore width, **g** average spore Q, **h** average cheilocystidia length, **i** average cheilocystidia width, **j** average cheilocystidia A/M (width at apex/width at narrowest point in central region), **k** average cheilocystidia A/B (width at apex/maximum width at lower third), **l** average cheilocystidia B/M (maximum width at lower third/ width at narrowest point in central region), **m** basidia Q, and **n** stipe width.

i

j

k

l

m

n

Appendix Fig. S1 – continued.