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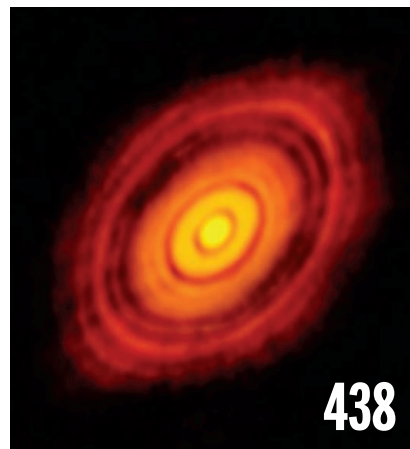
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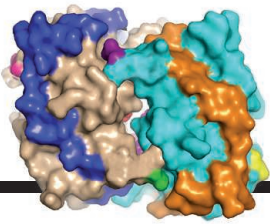
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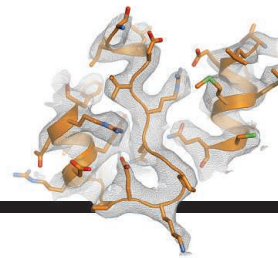
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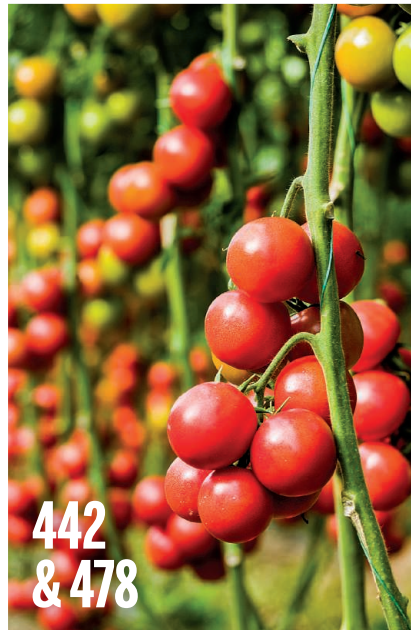
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Hypogymnia imshaugii, a macrolichen common in northwestern North America. Lichens were previously thought to contain two parts: an ascomycetous fungus and a photosynthetic alga. *Spribille et al.*

show that a third element—a basidiomycete yeast—is part of the lichen cortex in the largest group of macrolichens. See page 488. *Photo: Timothy B. Wheeler/timwheelerphotography.com*

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