End-on view of the atomic model of the bacterial actinlike ParM protein double-helical filament, generated from an electron microscopic reconstruction. A bipolar spindle of antiparallel ParM filaments pushes plasmids to the cell poles, constituting the simplest known apparatus for the segregation of genetic information. The loops on the outside of the 8- to 9-nanometer-thick filaments are involved in spindle formation. See page 1334.

Image: Jan Löwe
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   A. P. Tattrap et al.
   A severe drought in the Horn of Africa delayed the spring arrival in Europe of two migratory species.

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   H. J. Pietsch et al.
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   P. Gayathri et al.
   A bipolar spindle, formed by antiparallel actinlike filaments, pushes sister plasmids apart.

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   A. R. Hernández et al.
   Reducing the rate of phosphorylation of β-catenin leads to an increase in the steady-state level of the unmodified form.

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   A. A. M. Al Mamun et al.
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   Y. Liu et al.
   Androgen-driven changes in receptor expression disrupt a neuronal signaling pathway and de-innervation.

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