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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Minichromosome maintenance proteins have been co-opted to make meiotic recombination safe in flies.

CONTENTS continued >>
Intense emotions are easier to read in the body than in the face. As we age, the anterior insula may make us less suspicious but it may never have been alive.
