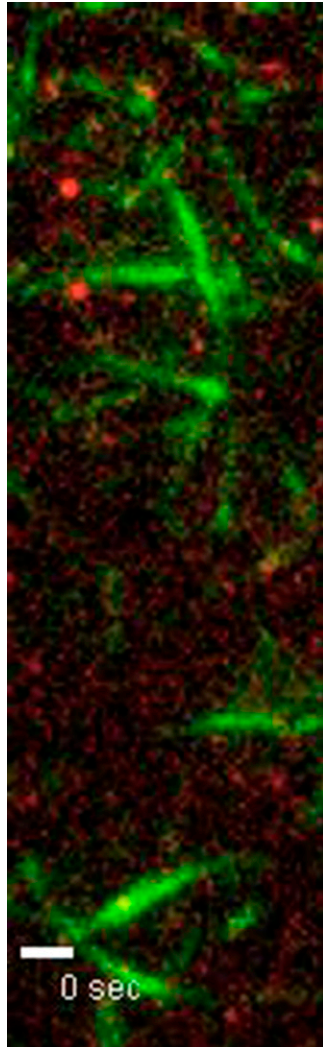


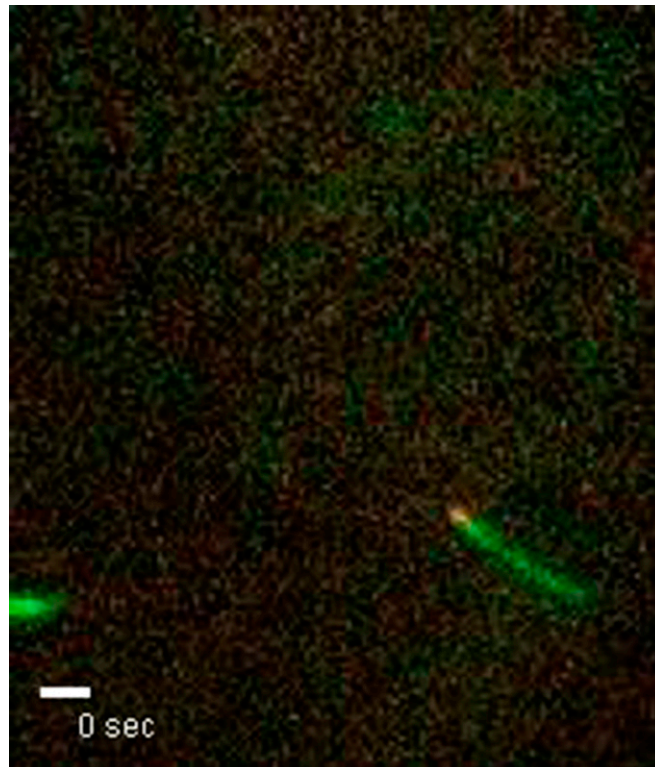
Supporting Information

Polka et al. 10.1073/pnas.1304127111



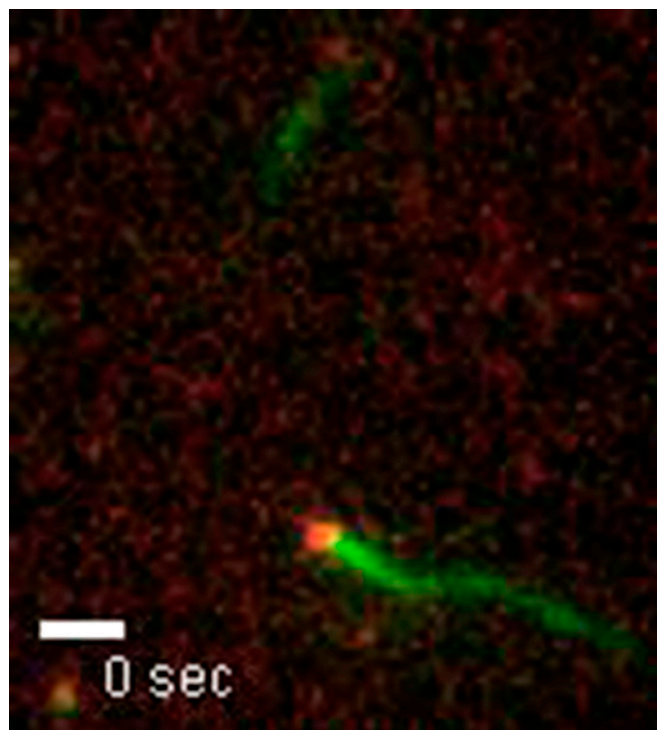
Movie S1. DNA-bound AlfA filaments are more dynamic than unbound filaments: 6 nM *parN*, 3 μ M AlfA, 1.5 μ M AlfB. (Scale bar, 1 μ m.) Acquisition interval, 5 s.

[Movie S1](#)



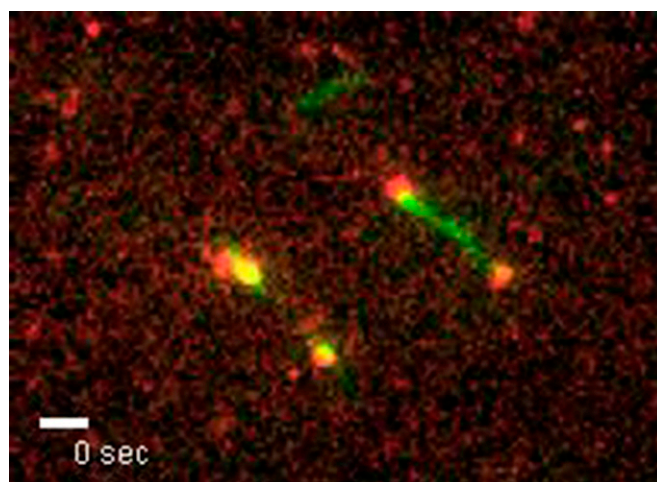
Movie S2. Multivalent *parV* particles can be propelled processively. Source for Fig. 4C: 20 nM *parV*, 3 μ M AlfA, 1.5 μ M AlfB. (Scale bar, 1 μ m.) Acquisition interval, 5 s.

[Movie S2](#)



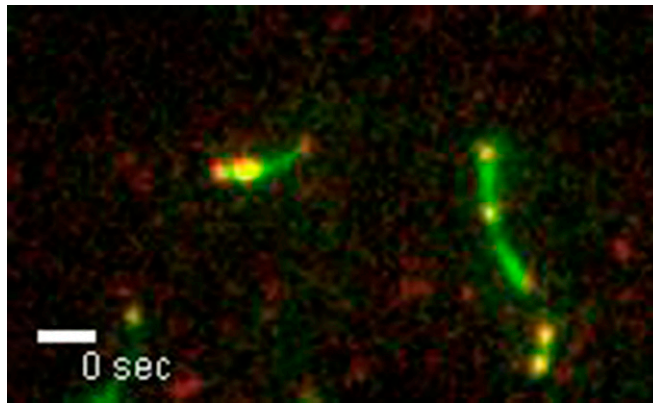
Movie S3. A *parN* particle breaks apart, with the daughters pushed in opposite directions. Source for Fig. 4D: 60 nM *parN*, 3.2 μ M AlfA, 1.6 μ M AlfB. (Scale bar, 1 μ m.) Acquisition interval, 3 s.

[Movie S3](#)



Movie S4. Multiple successive filament/DNA rearrangements and segregation events. Source for Fig. 4E: 60 nM *parN*, 3.2 μ M AlfA, 1.6 μ M AlfB. (Scale bar, 1 μ m.) Acquisition interval, 3 s.

[Movie S4](#)



Movie S5. Multiple successive filament/DNA rearrangements and segregation events: 60 nM *parN*, 3.2 μM AlfA, 1.6 μM AlfB. (Scale bar, 1 μm.) Acquisition interval, 3 s.

[Movie S5](#)

Other Supporting Information Files

[SI Appendix \(PDF\)](#)