

**Table S1. Summary of wild-type ParF and mutant ParF<sup>H</sup> protein properties<sup>a</sup>**

<b>Property</b>	<b>ParF</b>	<b>ParF<sup>H</sup></b>
ATPase activity	+++	+++++
ATP binding	+++	++
ATPase stimulation by ParG	+++	-
Self-association (two hybrid)	+++	+++
Interaction with ParG (two hybrid)	+++	+++
Autopolymerization	+++	+++++
Polymerization inhibition by ADP	+++	+++
Polymerization stimulation by ATP	+++	-
Polymerization stimulation by ParG	+++	+++
Segrosome assembly	+++	+

<sup>a</sup>Levels of ParF<sup>H</sup> activity are indicated relative to wild-type activity which is shown as +++