

Supplemental materials labels

Supplemental Video 1. Close-up detail of dividing Rb[MCS]. These rickettsiae

demonstrate erratic movement due to competing actin-based motility.

Upon separation, the bacteria begin to behave normally

Supplemental Video 2. A representative sample of Rb[RmRickA] in a Vero cell

4 h.p.i. at 23 °C.

Supplemental Video 3. An example of Rb[MCS] moving in a Vero host cell 16

h.p.i. at 23 °C.