

SUPPLEMENTAL DATA

Supplemental video 1: Real-time video clip of severing of a loosely attached microtubule. The initial length of the microtubule is approximately 30 μm , the Brownian motion is clearly visible.

Supplemental video 2: Real-time video clip of severing of more tightly attached microtubules. The sequence shown in movie 2 was used to generate figure 3 and the data used for figure 8A.