WT

of structure-guided katanin mutants.

ATPase (%)	Severing (%)
100.00 ± 4.57	100.00 ± 5.4
0.51 ± 0.28	ND

Supplementary Table 1. ATPase and microtubule severing activity

11101007110	0.00 ± 0.00	ND	_
Phe469Ala	0.68 ± 0.03	ND	
Asp322Arg	$4.03 \pm 0.33$	ND	
Arg352Ala	5.01 ± 0.22	ND	
Arg351Ala	$0.51 \pm 0.28$	ND	

ND, not detectable. Mean  $\pm$  SEM, N=4.