

S2 Table. List of major cross-links found between myotilin and F-actin

Myotilin constructs used		(A)	(B)	(C)			
From Protein	From Residue	To Protein	To Residue	Myotilin region	Myotilin fragment identified	Score	
myotilin	K 474	actin	E 102	C-ter.	C	212.6	
myotilin	K 462	actin	D 27	C-ter.	C	199.5	
myotilin	K 411	actin	D 27*	Ig2	A, B	A) 157.5, B) 175.5	
myotilin	K 469	actin	E 102	C-ter.	C	169.4	
myotilin	D 236	actin	K 330	N-ter.	B, C	B) 138.4, C) 76.2	
myotilin	D 236	actin	K 328*	N-ter.	B	134.9	
myotilin	K 246	actin	E 336	N-ter.	B, C	B) 105.9, C) 111.2	
myotilin	E 245	actin	K 330	N-ter.	B	107.1	
myotilin	K 246	actin	D 26	N-ter.	C	106.3	
myotilin	K 452	actin	D 27*	C-ter.	C	103.9	
myotilin	D 241	actin	K 330*	N-ter.	B	102.4	
myotilin	K 469	actin	D 26*	C-ter.	C	102.0	
myotilin	K 452	actin	D 26	C-ter.	C	100.9	
myotilin	D 239	actin	K 330*	N-ter.	B	97.0	
myotilin	D 239	actin	K 328	N-ter.	B	88.1	
myotilin	K 474	actin	D 27	C-ter.	C	84.6	
myotilin	K 474	actin	E 336*	C-ter.	C	82.7	
myotilin	D 241	actin	K 328*	N-ter.	B	78.2	
myotilin	K 462	actin	D 26*	C-ter.	C	77.7	
myotilin	K 354	actin	D 27*	Ig2	C	76.7	
myotilin	K 246	actin	D 27*	N-ter.	B, C	B) 54.5, C) 73.9	
myotilin	K 415	actin	D 27	Ig2	A, B	A) 66.1, B) 57.6	
myotilin	K 303	actin	D 27*	Ig1	A	65.9	
myotilin	K 367	actin	D 365	Ig2	B	63.6	
myotilin	K 367	actin	E 366	Ig2	B	60.2	
myotilin	K 452	actin	E 363	C-ter.	C	48.2	
myotilin	K 411	actin	D 26	Ig2	A	47.8	
myotilin	K 474	actin	D 26	C-ter.	C	35.4	

* , cross-links shown on Fig 3; N-ter., region flanking Ig1Ig2 N-terminally; C-ter., region flanking Ig1Ig2 C-terminally; Score, computed as $-10 \log_{10}$ (E-value) representing best identification for a crosslink pair. The higher values of the score indicate more reliable identifications.