

Figure S1: RT-qPCR primers position with respect to RNAi target exons. (A) Schematic representation of Msp300 isoforms as in Figure 1. (B-D) Close-ups of the exons targeted by RNAi and their immediate neighbours showing the position of the ex[RNAi] in red and of the primer couples used to assess the expression levels of the RNAi targeted exons in black. B-Close-up of the exons 1 to 5 showing the position of ex2[RNAi] (in red) and of the primer couple ex2-5 used to assess the level of ex2 expression by RT-qPCR. (C) Close-up of exons 13 to 27 showing the position of ex17[RNAi] and ex23[RNAi] as well as the primer couples ex16-17 and ex23-24. (D) Close-up of exons 27 to 32 showing the position of ex28[RNAi] and of the primer couple ex28-30.

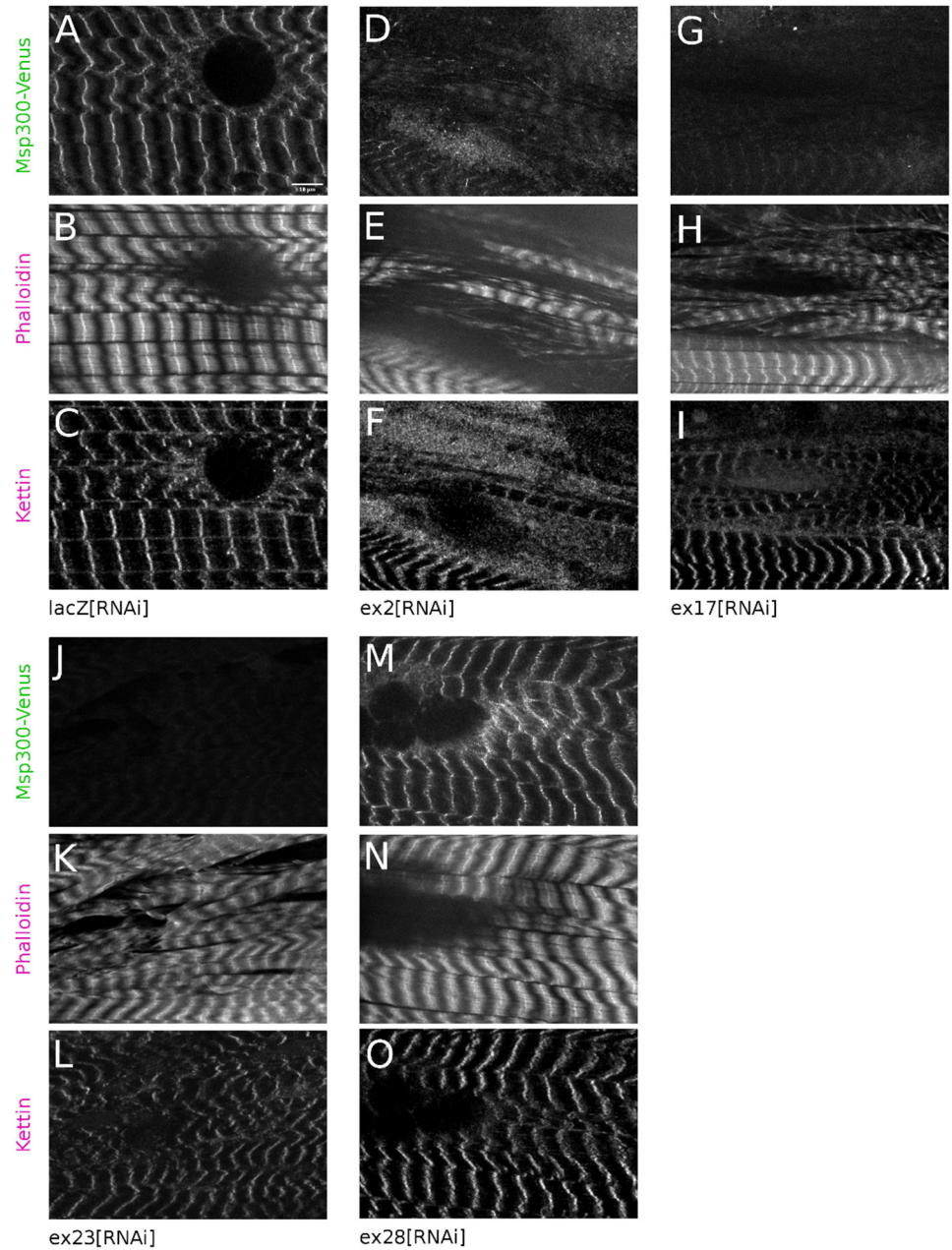


Figure S2. Msp300-Venus, phalloidin and Kettin localisation after isoforms depletion by RNAi. Single channel of overlays from Figure 5 showing the localisation of Msp300-Venus (A,D,G,J,M), phalloidin (B,E,H,K,N) and Kettin (C,F,I,L,O). (A-C) lacZ[RNAi], (D-F) ex2[RNAi], (G-I) ex17[RNAi], (J-L) ex23[RNAi] and (M-O) ex28[RNAi]. For a full description of all RNAi used, channels corresponding to ex23[RNAi] muscle 4 are shown here. Following ex23[RNAi], Msp300-Venus is completely lost, validating the strength of this RNAi to deplete all CH+ Msp300. Scale bar on lacZ[RNAi] panel A: 10 μ m.

Table S1. RT-qPCR primers sequences.

Name	Sequence
ex2-ex5_F	GAGGAGTTCGGTCCTTCGAC
ex2-ex5_R	CACGTTCTTGCTCCTCTTGC
ex16-ex17_F	TCGGTGACAAGCGGTGCGAG
ex16-ex17_R	CTGACCAGCCTGCTTCTTGGCA
ex23-ex24_F	GTGGGCGATCTCAAGGACAA
ex23-ex24_R	TTTTCGTGCCAGGAGCGTAT
ex28-ex30_F	AATACCGGTGCGGTACGAC
ex28-ex30_R	CTTGCGTAATTAGATCCTTCTGG
tbp-1_F	AGTGGTGCTGCCCATGACGC
tbp-1_R	CAGGCACGGGCCAGCAATGT