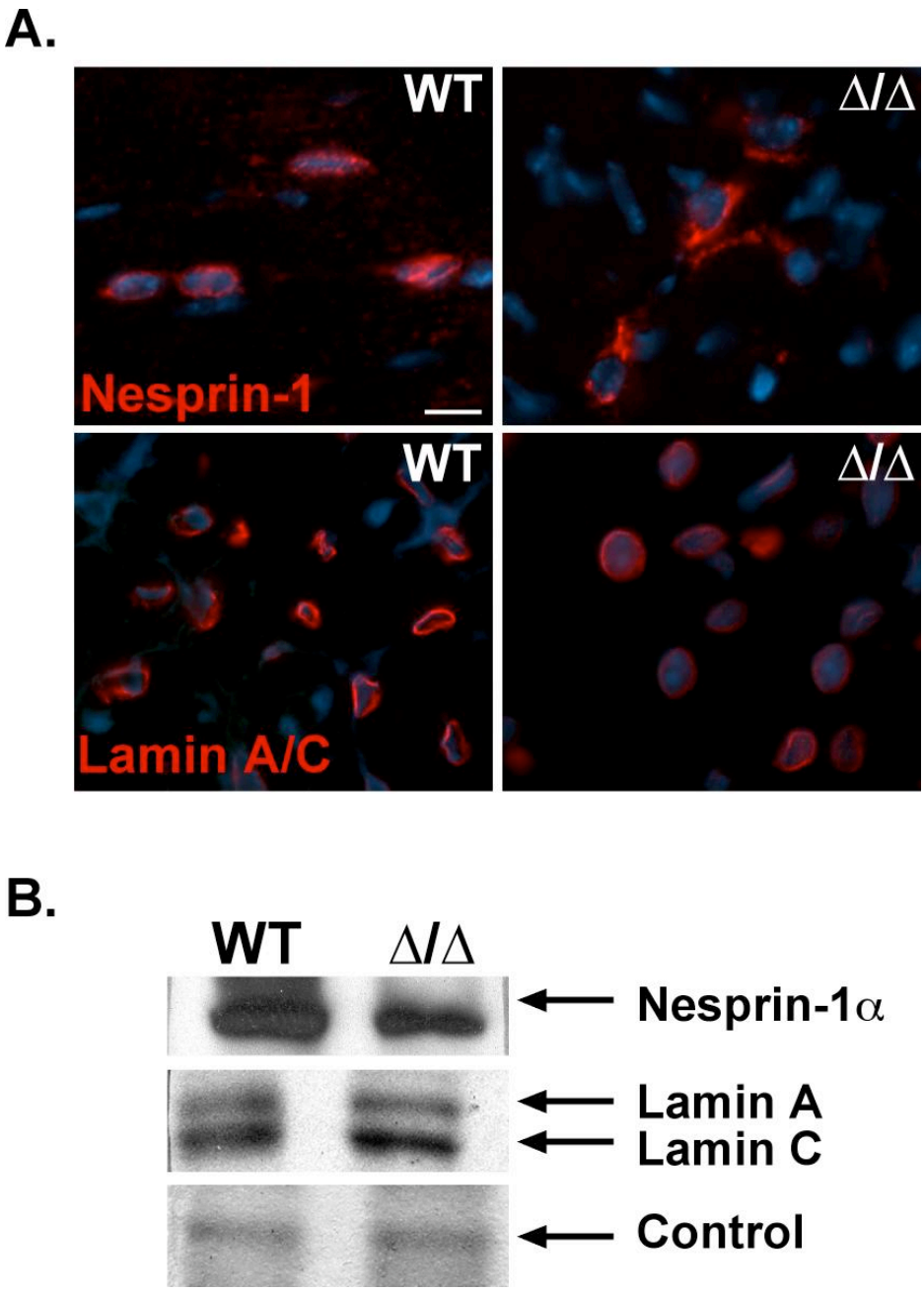
Supplementary Table 1.

Age:	< 32 weeks				> 52 weeks		
	WT	Δ/Δ	p		WT	Δ/Δ	p
No. of mice:	5	5			6	6	
LVWT(mm)/body weight(g)	0.03±0.00	0.03±0.00	NS		0.03±0.00	0.04±0.00	NS
LVEDD(mm)/body weight(g)	0.19±0.14	0.18±0.01	NS		0.14±0.01	0.19±0.02	NS
LVESD(mm)/body weight(g)	0.076±0.01	0.089±0.01	NS		0.077±0.00	0.114±0.02	NS

Abbreviations: LVWT: left ventricular wall thickness; LVEDD: left ventricular end diastolic diameter; LVESD: left ventricular end systolic diameter



Supplementary Figure 1. Nesprin-1α and Lamin A/C protein levels are similar between wildtype and Δ/ΔKASH mice. (A) Heart from >52 week old littermate WT and Δ/ΔKASH mice was sectioned and analyzed by immunofluorescence microscopy using antibodies for nesprin-1and lamin A/C. DAPI shows nuclei. Scale bar =10μm. (B) Immunoblotting was performed on hearts from <32 week old littermate WT and Δ/ΔKASH mice using antibodies to nesprin-1 and lamin A/C. GelCode staining is shown as loading control.