

**Supporting Table S2.**

**Phenotypes associated with Talin depletion at different stages.**

Depletion during:	midline zone “intercalated disc”		medial orientation of myofibril	Contraction Ratio	Rhythmicity	Heart Rate, <i>Hz</i>
	alignment	midline gap				
<b>Control</b>	linear	< 5 $\mu\text{m}$	yes	7.58 $\pm$ 2.08	0.69 $\pm$ 0.08	3.69 $\pm$ 0.45
<b>L1</b>	absent	10 - 50 $\mu\text{m}$	no	1.71 $\pm$ 1.01	0.45 $\pm$ .020	4.56 $\pm$ 0.67
<b>L2,3</b>	jagged	3 - 8 $\mu\text{m}$	yes	3.84 $\pm$ 1.47	0.38 $\pm$ .023	3.61 $\pm$ 0.75
<b>L1,2,3,Pupal</b>	jagged <i>or</i> absent	5 - 20 $\mu\text{m}$	no	<i>n.d.</i>	<i>n.d.</i>	<i>n.d.</i>
<b>Pupal</b>	jagged <i>or</i> absent	5- 50 $\mu\text{m}$	no	<i>n.d.</i>	<i>n.d.</i>	<i>n.d.</i>
<b>Adult (6 wk)</b>	linear	< 5 $\mu\text{m}$	yes	<i>n.d.</i>	<i>n.d.</i>	<i>n.d.</i>