

Table S6. Quantification of NMJ parameters for experiments in Fig. 4.

Fig. 4B

	Number of samples	Bouton number	p value vs WT	Muscle area (μm^2) $\times 10^{-3}$	p value vs WT	Bouton number /Muscle area ($\#/\mu\text{m}^2$) $\times 10^3$	p value vs WT	Satellite bouton number	p value vs WT
<i>w</i> ¹¹¹⁸ (WT)	11	117.45 \pm 2.09		89.90 \pm 0.55		1.31 \pm 0.02		13.18 \pm 0.70	
<i>gef26</i> ⁶ /+	11	116.73 \pm 2.37	1	90.72 \pm 0.35	0.985	1.29 \pm 0.03	0.998	12.55 \pm 0.68	0.996
<i>rap1</i> ^M /+	11	120.36 \pm 2.05	0.979	90.86 \pm 0.33	0.967	1.32 \pm 0.02	0.999	12.81 \pm 0.67	1
<i>fmr1</i> ^{$\Delta 50$} /+	14	121.36 \pm 1.92	0.908	90.50 \pm 0.38	0.996	1.34 \pm 0.02	0.968	12.64 \pm 0.68	0.997
<i>gef26</i> ⁶ /+; <i>fmr1</i> ^{$\Delta 50$} /+	11	149.91 \pm 4.71	<0.001	91.72 \pm 1.09	0.583	1.64 \pm 0.05	<0.001	19.82 \pm 1.29	<0.001
<i>rap1</i> ^M ,+/+; <i>fmr1</i> ^{$\Delta 50$}	13	148.60 \pm 2.76	<0.001	90.50 \pm 0.31	0.997	1.64 \pm 0.03	<0.001	21.53 \pm 0.96	<0.001

Fig. 4G

	Number of samples	Bouton number	p value vs WT	Muscle area (μm^2) $\times 10^{-3}$	p value vs WT	Bouton number /Muscle area ($\#/\mu\text{m}^2$) $\times 10^3$	p value vs WT	Satellite bouton number	p value vs WT
Vinblastine (-)									
<i>w</i> ¹¹¹⁸ (WT)	11	115.91 \pm 2.26		90.27 \pm 0.78		1.28 \pm 0.02		12.45 \pm 1.54	
<i>gef26</i> ⁶ /Df	10	137.70 \pm 0.99	<0.001	90.02 \pm 0.53	1	1.53 \pm 0.01	<0.001	178.40 \pm 0.45	0.001
<i>rap1</i> ^M / <i>rap1</i> ^M	11	150.73 \pm 2.77	<0.001	89.75 \pm 0.33	0.998	1.68 \pm 0.03	<0.001	20.82 \pm 1.21	<0.001
Vinblastine (+)									
			p value vs WT (non-treated)		p value vs WT (non-treated)		p value vs WT (non-treated)		p value vs WT (non-treated)
<i>w</i> ¹¹¹⁸ (WT)	11	120.54 \pm 2.72	0.757	90.51 \pm 0.59	1	1.33 \pm 0.03	0.801	12.81 \pm 0.97	1
<i>gef26</i> ⁶ /Df	15	122.86 \pm 2.19	0.221	90.12 \pm 0.37	1	1.36 \pm 0.02	0.234	12.93 \pm 0.66	1
<i>rap1</i> ^M / <i>rap1</i> ^M	14	124.57 \pm 2.61	0.066	90.64 \pm 0.51	1	1.37 \pm 0.03	0.133	14.50 \pm 1.05	0.793