

Table S5. Quantification of NMJ parameters for experiments in Fig. 3.

Fig. 3B

	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	116.54 \pm 2.30	1	90.73 \pm 0.35	0.999	1.28 \pm 0.02	0.999	12.09 \pm 0.71	0.956
<i>rap1</i> ^M /+	11	120.90 \pm 2.42	0.939	90.86 \pm 0.33	0.997	1.33 \pm 0.03	0.999	13.60 \pm 0.82	0.999
<i>dad</i> ^{J1E4} /+	10	117.40 \pm 5.60	1	90.57 \pm 0.42	1	1.30 \pm 0.06	1	13.00 \pm 1.26	1
<i>gef26</i> ⁶ /+; <i>dad</i> ^{J1E4} /+	11	147.18 \pm 2.92	0.868	90.24 \pm 2.44	1	1.64 \pm 0.05	<0.001	18.09 \pm 1.00	0.004
<i>rap1</i> ^M ,+/+; <i>dad</i> ^{J1E4}	12	162.00 \pm 3.70	<0.001	89.26 \pm 1.01	1	1.82 \pm 0.06	<0.001	22.83 \pm 0.99	<0.001

Fig. 3D

	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)	12	120.75 \pm 2.53	1	87.05 \pm 3.46	1	1.40 \pm 0.08	1	14.33 \pm 1.14	1
<i>gef26</i> ⁶ /Df	10	146.20 \pm 4.77	<0.001	81.57 \pm 3.03	0.150	1.81 \pm 0.08	<0.001	18.80 \pm 1.27	0.014
<i>tkv</i> ⁷ /+	10	125.30 \pm 1.96	0.990	89.78 \pm 0.80	0.887	1.39 \pm 0.01	1	12.70 \pm 0.40	0.901
<i>tkv</i> ⁷ , <i>gef26</i> ⁶ /+,Df	15	110.60 \pm 2.93	<0.001	89.93 \pm 2.93	0.053	1.23 \pm 0.04	0.132	12.20 \pm 0.69	0.901
<i>tkv</i> ¹ /tkv ⁷	13	88.69 \pm 3.87	<0.001	92.77 \pm 0.87	0.071	0.96 \pm 0.04	<0.001	6.69 \pm 0.65	<0.001
<i>tkv</i> ⁷ , <i>gef26</i> ⁶ /tkv ¹ ,Df	15	85.73 \pm 3.62	<0.001	92.79 \pm 0.60	<0.001	0.92 \pm 0.04	<0.001	4.67 \pm 0.53	<0.001
<i>rap1</i> ^M /rap1 ^M	18	157.56 \pm 2.42	<0.001	90.44 \pm 2.29	0.223	1.74 \pm 0.05	<0.001	20.39 \pm 1.07	<0.001
<i>tkv</i> ⁷ /+; <i>rap1</i> ^M /rap1 ^M	14	123.07 \pm 4.80	<0.001	92.02 \pm 0.33	<0.001	1.33 \pm 0.05	0.970	13.93 \pm 1.21	1