

**Table S3. Quantification of NMJ parameters for experiments in Fig. 2B.**

	Number of samples	Bouton number	p value vs WT	Muscle area ( $\mu\text{m}^2$ ) $\times 10^{-3}$	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<sup>1118</sup></i> (WT)	10	127.67 $\pm$ 3.55		92.93 $\pm$ 0.93		1.37 $\pm$ 0.03		13.78 $\pm$ 0.72	
<i>rap1<sup>M</sup>/rap1<sup>M</sup></i>	18	157.67 $\pm$ 2.51	<0.001	90.44 $\pm$ 0.66	0.857	1.74 $\pm$ 0.02	<0.001	20.67 $\pm$ 0.51	<0.001
<i>gef26<sup>6</sup>/+</i>	12	130.83 $\pm$ 3.21	1	91.50 $\pm$ 0.84	0.997	1.43 $\pm$ 0.03	0.996	13.50 $\pm$ 0.65	1
<i>rap1<sup>M</sup>/+</i>	12	133.00 $\pm$ 3.21	0.993	90.38 $\pm$ 0.84	0.899	1.48 $\pm$ 0.03	0.873	13.50 $\pm$ 0.65	1
<i>gef26<sup>6</sup>/+; rap1<sup>M</sup>/+</i>	14	170.40 $\pm$ 5.67	<0.001	90.15 $\pm$ 1.01	0.796	1.89 $\pm$ 0.07	<0.001	21.07 $\pm$ 1.09	<0.001
<i>C155-GAL4/+</i>	10	128.40 $\pm$ 3.42	1	92.78 $\pm$ 0.64	1	1.38 $\pm$ 0.03	1	13.80 $\pm$ 0.90	1
<i>C155-GAL4/+; UAS-Myc-<i>rap1<sup>CA</sup></i>/+</i>	15	96.33 $\pm$ 2.79	<0.001	91.06 $\pm$ 0.52	0.975	1.06 $\pm$ 0.03	<0.001	8.53 $\pm$ 0.74	0.003
<i>gef26<sup>6</sup>/Df</i>	14	148.01 $\pm$ 2.85	0.019	85.21 $\pm$ 0.74	0.006	1.72 $\pm$ 0.03	<0.001	20.14 $\pm$ 0.58	<0.001
<i>C155-GAL4/+; gef26<sup>6</sup>/Df; UAS-Myc-<i>rap1<sup>CA</sup></i>/+</i>	15	102.13 $\pm$ 2.36	<0.001	90.37 $\pm$ 0.50	0.859	1.13 $\pm$ 0.02	0.017	9.53 $\pm$ 0.26	0.036