

Table S2. **Complete data of all experiments displayed in Figs. 1–8 and Figs. S1–4**
Data for Fig. 1 and Figs. S1 and S2

Target gene RNAi ID	Retraction frequency (%)						n
	m1/9 2/10	P vs. cntr	m6/7	P vs. cntr	m4	P vs. cntr	
Control	1.0 ± 0.7		2.1 ± 1.4		2.1 ± 1.4		12
CK2β	51.4 ± 4.0	1.69 × 10 ⁻⁶	20.8 ± 6.6	0.021279	18.3 ± 5.6	0.012127	9
VDR32377							
PP2A-29B ¹	48.7 ± 3.9	1.05 × 10 ⁻⁸	64.3 ± 5.2	7.62 × 10 ⁻⁹	56.7 ± 3.9	1.21 × 10 ⁻⁹	14
VDR49671							
PP2A-29B ²	40.0 ± 5.6	7.1 × 10 ⁻⁵	47.1 ± 7.8	7.27 × 10 ⁻⁵	27.9 ± 5.1	0.000258	10
BL29384							
IPP CG9784	35.6 ± 7.3	0.001135	25.0 ± 7.9	0.01713	16.3 ± 4.6	0.013086	10
VDCR30098							
CKIα ¹	33.3 ± 4.9	4.65 × 10 ⁻⁵	19.4 ± 4.7	0.006391	27.8 ± 6.2	0.002846	12
VDR13664							
CKIα ²	25.0 ± 3.9	0.000191	16.7 ± 4.4	0.007965	28.1 ± 3.8	1.61 × 10 ⁻⁵	9
BL25786							
Mnb ¹	22.9 ± 5.5	0.004315	10.8 ± 3.0	0.014565	10.0 ± 2.2	0.005673	9
VDR35282							
Mnb ²	9.6 ± 1.6	0.000101	13.9 ± 5.3	0.059316	8.3 ± 3.0	0.079648	15
VDR107066							
MAST205	19.8 ± 3.3	0.000137	8.3 ± 3.6	0.124167	11.5 ± 4.5	0.066975	12
VDR35100							
PI4KIIIα ¹	12.5 ± 2.6	0.001906	5.6 ± 2.2	0.204143	11.1 ± 5.3	0.133384	9
VDR15993							
PI4KIIIα ²	8.3 ± 2.1	0.007792	2.8 ± 1.8	0.767835	6.9 ± 3.0	0.173138	9
VDR105614							
PP4-19C	12.5 ± 2.6	0.000817	2.1 ± 2.1	1.0	16.7 ± 3.9	0.003262	12
VDR25317							
inR	10.4 ± 1.8	0.000679	6.9 ± 3.0	0.173138	9.7 ± 4.6	0.140024	9
VDR991							
Mipp2	7.6 ± 1.4	0.00115	8.3 ± 2.9	0.079648	11.1 ± 3.3	0.027233	9
VDR14163							
Cdc2	6.9 ± 1.6	0.006733	5.6 ± 3.0	0.32043	5.6 ± 2.2	0.204143	9
VDR41838							

Transgenic RNAi lines were crossed to *elav^{CI55}-GAL4; UAS-dcr2*. P-values were calculated relative to controls. The IDs (VDR3 or Bloomington [BL]) of the RNAi-lines are indicated for all genotypes. Retraction frequencies represent synaptic retractions per animal for the indicated muscle groups. *n* equals number of animals analyzed. cntr, control; m, muscle.

Data for Fig. 2

Genotype	Retraction frequency (%)		P vs. cntr	n
	m1/9	2/10		
control	1.0 ± 0.7			12
Neu>CK2β RNAi	51.4 ± 4.0		1.69 × 10 ⁻⁶	9
Muscle>CK2β RNAi	1.4 ± 0.9		0.767835	9
Neu>CK2β RNAi; neu>CK2β	3.8 ± 1.4		0.1025	10
Neu>CK2β RNAi; neu>GFP	33.9 ± 2.8		9.59 × 10 ⁻⁸	12
CK2β ²⁶⁻² /mbuP1	13.8 ± 3.0		0.002341	10
CK2β ²⁶⁻² ; ubi>CK2β	2.9 ± 1.1		0.185102	13

Significance of rescue between genotypes as listed

Genotype	P	
Neu>CK2β RNAi	Neu>CK2β ^{RNAi} ; > CK2β	5.37 × 10 ⁻⁷

Genotype	Retraction frequency (%)		P	n
	(all MARCM NMJs)			
MARCM control	0.0 ± 0.0			17
MARCM CK2β ²⁶⁻²	29.0 ± 5.0		7.24 × 10 ⁻⁶	33

Retraction frequencies represent retractions per animals for the indicated muscle groups. For the MARCM analysis, all mCD8-GFP-positive NMJs were evaluated. P values were calculated relative to controls or as indicated. *n* equals number of animals analyzed.

Data for Fig. 3

Genotype	Retraction frequency (%)		P vs. cntr	n
	m1/9	2/10		
control	1.1 ± 0.8			12
CK2 $\alpha^{P1/P1}$	57.5 ± 3.9		4.22 × 10 ⁻¹⁰	15
CK2 $\alpha^{P1/P2}$	33.0 ± 3.8		8.84 × 10 ⁻⁷	14
CK2 $\alpha^{P1/Tik}$	40.1 ± 3.4		7.34 × 10 ⁻¹¹	21
CK2 $\alpha^{P1/TikR}$	54.0 ± 5.0		7.5 × 10 ⁻⁹	17
CK2 $\alpha^{P1/P1}$ neu>CK2 α	1.0 ± 0.7		0.92807	12
CK2 $\alpha^{P1/P1}$ neu>CK2 α _KD	65.8 ± .9		2.49 × 10 ⁻¹⁴	17
CK2 $\alpha^{P1/P1}$ muscle>CK2 α	52.5 ± 3.3		1.49 × 10 ⁻¹⁰	15
CK2 $\alpha^{P1/P1}$ ubi>CK2 α	0.7 ± 0.5		0.665861	17
CK2 $\alpha^{P2/P2}$; ubi>CK2 α neu>Gal80	41.7 ± 4.3		6.57 × 10 ⁻⁶	9

Significance of rescue between genotypes as listed

	P
CK2 $\alpha^{P1/P1}$ CK2 $\alpha^{P1/P1}$ neu>CK2 α	4.22 × 10 ⁻¹⁰
CK2 $\alpha^{P1/P1}$ CK2 $\alpha^{P1/P1}$ neu>CK2 α _KD	0.099286
CK2 $\alpha^{P1/P1}$ CK2 $\alpha^{P1/P1}$ muscle>CK2 α	0.335885
CK2 $\alpha^{P1/P1}$ CK2 $\alpha^{P1/P1}$ ubi>CK2 α	8.88 × 10 ⁻¹⁰

Retraction frequencies represent retractions per animals for the indicated muscle groups. P-values were calculated relative to controls or as indicated. *n* equals number of animals analyzed.

Data for Fig. S3

Genotype	Retraction frequency (%)				n	
	m1/9	2/10	P vs. cntr	m6/7		P vs. cntr
control	1.0 ± 0.7			2.1 ± 1.7		12
CK2 α^{P1} /CK2 α^{P1}	57.5 ± 3.9		4.22 × 10 ⁻¹⁰	53.3 ± 7.4	5.66 × 10 ⁻⁶	15
CK2 α^{P1} /CK2 α^{P2}	33.0 ± 3.8		8.84 × 10 ⁻⁷	23.2 ± 4.7	0.000621	14
CK2 α^{P1} /CK2 α^{Tik}	40.1 ± 3.4		7.34 × 10 ⁻¹¹	33.0 ± 5.0	3.62 × 10 ⁻⁶	21
CK2 α^{P1} /CK2 α^{TikR}	54.0 ± 5.0		7.5 × 10 ⁻⁹	44.9 ± 6.0	1.65 × 10 ⁻⁶	17
CK2 α^{P1} /CK2 α^{G703}	36.1 ± 2.9		9.32 × 10 ⁻⁷	27.8 ± 7.1	0.006451	9
CK2 α^{P1} /CK2 α^{H3091}	32.8 ± 4.6		1.68 × 10 ⁻⁵	18.6 ± 4.5	0.003586	12
CK2 α^{P2} /CK2 α^{P2}	Early lethal					
CK2 α^{P2} /CK2 α^{Tik}	32.1 ± 2.1		1.5 × 10 ⁻¹⁷	16.5 ± 2.5	3.85 × 10 ⁻⁷	21
CK2 α^{P2} /CK2 α^{TikR}	Early lethal					
CK2 α^{P2} /CK2 α^{G703}	38.6 ± 4.1		2.07 × 10 ⁻⁶	35.2 ± 4.1	5.51 × 10 ⁻⁶	11
CK2 α^{P2} /CK2 α^{H3091}	21.9 ± 3.1		2.92 × 10 ⁻⁵	12.5 ± 4.4	0.040278	12
CK2 α^{Tik} /CK2 α^{Tik}	Early lethal					
CK2 α^{Tik} /CK2 α^{TikR}	Early lethal					
CK2 α^{Tik} /CK2 α^{G703}	30.2 ± 4.9		9.66 × 10 ⁻⁵	17.7 ± 3.9	0.002108	12
CK2 α^{Tik} /CK2 α^{H3091}	12.1 ± 2.0		6.2 × 10 ⁻⁵	10.9 ± 3.0	0.014054	16
CK2 α^{TikR} /CK2 α^{TikR}	Early lethal					
CK2 α^{TikR} /CK2 α^{G703}	51.4 ± 5.4		1.5 × 10 ⁻⁵	47.2 ± 6.2	5.48 × 10 ⁻⁵	9
CK2 α^{TikR} /CK2 α^{H3091}	29.9 ± 4.0		0.000103	15.3 ± 4.0	0.01167	9
CK2 α^{G703} /CK2 α^{G703}	Early lethal					
CK2 α^{G703} /CK2 α^{H3091}	17.4 ± 3.0		0.000115	15.2 ± 2.7	0.000361	14
CK2 α^{H3091} /CK2 α^{H3091}	Early lethal					

Retraction frequencies represent retractions per animals for the indicated muscle groups. P-values were calculated relative to controls or as indicated. *n* equals number of animals analyzed.

Data for Fig. 4

Genotypes	Retraction frequency (%)		P	n
	m1/9	2/10		
Control	1.0 ± 0.7			12
CK2 $\alpha^{P1/P1}$	54.4 ± 2.8		1.17 × 10 ⁻¹⁶	24
CK2 $\alpha^{P1/P1}$ ubi>CK2 α	0.7 ± 0.5		0.726453	17
CK2 $\alpha^{P1/P1}$ ubi>CK2 α _L39A	1.6 ± 0.7		0.684095	16
CK2 $\alpha^{P1/P1}$ ubi>CK2 α _F52A	2.7 ± 1.1		0.25442	16
CK2 $\alpha^{P1/P1}$ ubi>CK2 α _L39AF52A	19.9 ± 3.4		3.64 × 10 ⁻⁵	17

Significance of rescue between genotypes as listed

	P
CK2 $\alpha^{P1/P1}$ CK2 $\alpha^{P1/P1}$ ubi>CK2 α _L39AF52A	2.79 × 10 ⁻⁹

Retraction frequencies represent retractions per animals for the indicated muscle groups. P-values were calculated relative to controls or as indicated. *n* equals number of animals analyzed.

Data Fig. 5

Genotypes	Retraction frequency (%)		<i>n</i>
	m1/9 2/10	P	
Control	1.0 ± 0.7		12
CK2 $\alpha^{P1/P1}$	57.5 ± 3.9	4.22 × 10 ⁻¹⁰	15
CK2 $\alpha^{P1/P1}$ neu > GFP-CK2 α	1.4 ± 0.9	0.767835	9

Retraction frequencies represent retractions per animals for the indicated muscle groups. P values were calculated relative to controls or as indicated. *n* equals number of animals analyzed.

Data Fig. S4

Genotype	Retraction frequency (%)						<i>n</i>
	m1/9 2/10	P	m6/7	P	m4	P	
Control	1.0 ± 0.7		2.1 ± 1.4		2.1 ± 1.4		12
PP2A-29B ¹	48.7 ± 3.9	1.05 × 10 ⁻⁸	64.3 ± 5.2	7.62 × 10 ⁻⁹	56.7 ± 3.9	1.21 × 10 ⁻⁹	14
VDRC49671							
PP2A-29B ²	40.0 ± 5.6	7.1 × 10 ⁻⁵	47.1 ± 7.8	7.27 × 10 ⁻⁵	27.9 ± 5.1	0.000258	10
BL29384							
DN-Mts	23.6 ± 4.1	0.000112	10.6 ± 2.8	0.013737	15.4 ± 4.9	0.021277	13

Genotypes	Retraction frequency (%)		<i>n</i>
	m1/9 2/10	P	
Control	1.0 ± 0.7		12
CK2 $\alpha^{P1/P1}$	54.4 ± 2.8	1.17 × 10 ⁻¹⁶	24
CK2 $\alpha^{P1/Tik}$	40.1 ± 3.4	7.34 × 10 ⁻¹¹	22
CK2 $\alpha^{P1/P1}$ neu > CK2 α _E165D	2.1 ± 2.1	0.684368	6
CK2 $\alpha^{P1/P1}$ neu > CK2 α _E165A	2.1 ± 1.3	0.551196	6
CK2 $\alpha^{P1/P1}$ neu > CK2 α _ENRK165ANAA	1.7 ± 1.2	0.697549	11
CK2 $\alpha^{P1/P1}$ neu > CK2 α _M161K	32.8 ± 7.1	0.002938	8

Significance of rescue between genotypes as listed

	P
CK2 $\alpha^{P1/Tik}$	CK2 $\alpha^{P1/P1}$ neu > CK2 α _M161K
	0.376674

Retraction frequencies represent retractions per animals for the indicated muscle groups. P-values were calculated relative to controls or as indicated. *n* equals number of animals analyzed.

Data for Fig. 6

Genotype	Nrg-level (% control)						<i>n</i>
	Distal	P	Center	P	Proximal	P	
Control	100.0 ± 14.0		100.0 ± 5.1		100.0 ± 4.6		6
CK2 $\alpha^{P1/TikR}$	47.5 ± 2.0	0.013809	60.7 ± 5.3	0.000484	70.0 ± 9.0	0.024828	6
CK2 $\alpha^{P1/TikR}$, neu > CK2 α	86.4 ± 5.2	0.398193	101.7 ± 15.1	0.919937	122.7 ± 10.9	0.127887	6
CK2 $\alpha^{P1/TikR}$, neu > CK2 α^{KD}	46.7 ± 3.4	0.010084	56.8 ± 5.7	0.000308	66.2 ± 5.7	0.001693	6
CK2 $\alpha^{P1/TikR}$, neu > Nrg	64.5 ± 11.4	0.080597	109.1 ± 19.6	0.671471	140.0 ± 16.6	0.068241	6
			Ank2-L-level (% control)				
Control	100.0 ± 5.3		100.0 ± 7.6		100.0 ± 8.4		6
CK2 $\alpha^{P1/TikR}$	19.4 ± 3.0	9.99 × 10 ⁻⁷	59.1 ± 8.3	0.00476	40.5 ± 1.7	0.000945	6
CK2 $\alpha^{P1/TikR}$, neu > CK2 α	126.8 ± 16.8	0.178839	134.7 ± 12.6	0.046746	98.7 ± 9.8	0.922847	6
CK2 $\alpha^{P1/TikR}$, neu > CK2 α^{KD}	22.6 ± 5.1	9.65 × 10 ⁻⁷	52.3 ± 6.9	1.47 × 10 ⁻⁵	57.7 ± 7.1	0.003219	6
CK2 $\alpha^{P1/TikR}$, neu > Nrg	15.9 ± 2.1	5.76 × 10 ⁻⁶	58.3 ± 5.9	0.001979	45.8 ± 4.3	0.000693	6
			Futsch-level (% control)				
Control	100.0 ± 28.9		100.0 ± 13.2		100.0 ± 15.4		6
CK2 $\alpha^{P1/P1}$	47.6 ± 7.8	0.130945	19.8 ± 2.6	0.001876	22.2 ± 4.4	0.002798	7
CK2 $\alpha^{P1/P1}$, neu > CK2 α	71.3 ± 8.4	0.377404	140.7 ± 15.2	0.070729	105.3 ± 14.2	0.804896	6
CK2 $\alpha^{P1/P1}$, neu > CK2 $\alpha^{P1/P1}$	61.7 ± 8.2	0.250647	33.7 ± 6.3	0.002651	35.9 ± 7.7	0.007312	6

neu > CK2 α ^{KD}

		DvGlut-level (% control)					
Control	100.0 ± 4.8		100.0 ± 2.8		100.0 ± 2.9	12	
CK2 α ^{P1/TikR}	106.4 ± 5.1	0.368138	111.4 ± 3.3	0.015368	110.4 ± 4.2	0.056714	12
		FasII-level (% control)					
Control	100.0 ± 18.0		100.0 ± 12.4		100.0 ± 10.8	6	
CK2 α ^{P1/TikR}	80.1 ± 7.1	0.351407	95.6 ± 3.8	0.747492	104.9 ± 11.5	0.76361	6

Analysis of protein levels at distal, central, and proximal boutons of NMJs on m4 segment A4. All genotypes were imaged with settings equivalent to the controls. Quantification was performed using Imaris (Bitplane). P-values were calculated relative to control. *n* equals number of NMJs analyzed.

Genotype	Retraction frequency (%) m1/9 2/10	P	<i>n</i>
Wild type	1.1 ± 0.7		12
CK2 α ^{P1/P1}	57.5 ± 3.9	4.49 × 10 ⁻¹⁰	15
CK2 α ^{P1/P1} ; neu > Nrg	50 ± 4.7	6.55 × 10 ⁻⁶	9

Statistical comparison between genotypes as listed	P	
CK2 α ^{P1/P1}	CK2 α ^{P1/P1} ; neu > Nrg	0.233614

Retraction frequencies represent retractions per animals for the indicated muscle groups. P-values were calculated relative to controls or as indicated. *n* equals number of animals analyzed.

Data for Fig. 7

Genotype	Retraction frequency (%)				<i>n</i>
	m6/7	P	m1/9, 2/10	P	
control	2.1 ± 1.4		1.0 ± 0.7		12
neu > CK2 α	2.1 ± 1.4	1.0	1.0 ± 0.7	1.0	12
neu > CK2 α ^{KD}	2.1 ± 1.4	1.0	1.6 ± 0.8	0.633323	12
ank2 ^{P2/P2}	60.8 ± 4.5	6.43 × 10 ⁻¹⁰	65.1 ± 4.2	4.24 × 10 ⁻⁹	15
ank2 ^{P2/P2} neu > CK2 α	31.7 ± 5.4	0.000111	45.8 ± 6.2	1.85 × 10 ⁻⁵	13
ank2 ^{P2/P2} neu > CK2 α ^{KD}	91.7 ± 3.6	1.23 × 10 ⁻¹²	86.4 ± 4.0	3.37 × 10 ⁻¹⁰	12

Statistical comparison between genotypes	p (m 1/9 2/10)	p (m 6/7)	
ank2 ^{P2/P2}	ank2 ^{P2/P2} neu > CK2 α	0.00039	0.019175
ank2 ^{P2/P2}	ank2 ^{P2/P2} neu > CK2 α ^{KD}	1.53 × 10 ⁻⁵	0.001555
ank2 ^{P2/P2} neu > CK2 α	ank2 ^{P2/P2} neu > CK2 α ^{KD}	1.14 × 10 ⁻⁸	2.8 × 10 ⁻⁵

Retraction frequencies represent retractions per animals for the indicated muscle groups. P-values were calculated relative to controls or as indicated. *n* equals number of animals analyzed.

Genotype	Retraction frequency (%)		<i>n</i>
	m6/7	P	
Control (second instar)	1.8 ± 1.2		11
ank2 ^{null}	36.4 ± 2.9	5.01 × 10 ⁻⁹	10
ank2 ^{null} neu > CK2 α	34.1 ± 4.0	1.92 × 10 ⁻⁷	11
ank2 ^{null} neu > CK2 α ^{KD}	41.1 ± 4.3	3.31 × 10 ⁻⁸	12

Statistical comparison between genotypes	p (m 6/7)	
ank2 ^{null}	ank2 ^{null} neu > CK2 α	0.648
ank2 ^{null}	ank2 ^{null} neu > CK2 α ^{KD}	0.393
ank2 ^{null} neu > CK2 α	ank2 ^{null} neu > CK2 α ^{KD}	0.248

Retraction frequencies represent retractions per animals for the indicated muscle groups. P-values were calculated relative to controls or as indicated. *n* equals number of animals analyzed.

Genotype	Retraction frequency (%)				<i>n</i>
	m6/7	P	m1/9, 2/10	P	
control	2.1 ± 1.4		1.0 ± 0.7		12
CK2 α ^{P1/+}	2.1 ± 1.4	1.0	1.0 ± 0.7	1.0	12
Ank2 ^{P2/+}	3.1 ± 1.7	0.633323	1.6 ± 0.8	0.633323	12
CK2 α ^{P1/+} ; ank2 ^{P2/+}	3.1 ± 1.7	0.633323	1.6 ± 0.8	0.633323	12
CK2 α ^{P1/P1}	52.4 ± 5.7	1.84 × 10 ⁻⁸	58.2 ± 3.2	1.82 × 10 ⁻¹³	21

CK2 $\alpha^{P1/P1}$; ank2 $P2/+$	77.3 \pm 5.0	5.89 $\times 10^{-9}$	82.4 \pm 3.1	4.17 $\times 10^{-11}$	11
ank2 $P2/P2$	60.8 \pm 4.5	6.43 $\times 10^{-10}$	65.1 \pm 4.2	4.24 $\times 10^{-9}$	15
ank2 $P2/P2$; CK2 $\alpha^{P1/+}$	87.5 \pm 4.5	1.47 $\times 10^{-11}$	91.1 \pm 3.0	5.54 $\times 10^{-14}$	14

Statistical comparison between genotypes		p (m 1/9 2/10)	p (m 6/7)
CK2 $\alpha^{P1/P1}$	CK2 $\alpha^{P1/P1}$; ank2 $P2/+$	0.002686	1.31 $\times 10^{-5}$
ank2 $P2/P2$	CK2 $\alpha^{P1/+}$; ank2 $P2/P2$	0.000295	6.8 $\times 10^{-5}$

Retraction frequencies represent retractions per animals for the indicated muscle groups. P-values were calculated relative to controls or as indicated. *n* equals number of animals analyzed.

Data for Fig. 8

Genotype	Bouton number m4 (absolute)	Bouton number m4 (% control)	P	n
Control	17.2 \pm 0.5	100 \pm 3.2		64
CK2 $\alpha^{P1/P1}$	11.8 \pm 0.4	68.9 \pm 2.5	7.1 $\times 10^{-11}$	64
CK2 $\alpha^{P1/P1}$ neu > CK2 α	19.7 \pm 0.7	114.4 \pm 4.0	0.002495	64
CK2 $\alpha^{P1/P1}$ neu > CK2 α _KD	11.2 \pm 0.5	65.4 \pm 2.9	1.08 $\times 10^{-12}$	64
neu $^{elav; dcr2}$ > CK2 β^{RNAi}	14.3 \pm 0.4	83.1 \pm 2.6	3.2 $\times 10^{-5}$	64

Significance of rescue between genotypes as listed		P
CK2 $\alpha^{P1/P1}$	CK2 $\alpha^{P1/P1}$ neu>CK2 α	2.57 $\times 10^{-15}$
CK2 $\alpha^{P1/P1}$	CK2 $\alpha^{P1/P1}$ neu>CK2 α _KD	0.424474

The number of type Ib boutons on muscle 4 was quantified. P-values were calculated relative to controls or as indicated. *n* equals number of NMJs analyzed.

Genotype	DvGlut cluster m4 (absolute)	DvGlut cluster m4 (% control)	P	n
control	100 \pm 4.0	58.3 \pm 2.3		48
CK2 $\alpha^{P1/P1}$	40.8 \pm 2.8	23.8 \pm 1.5	1.11 $\times 10^{-20}$	48
CK2 $\alpha^{P1/P1}$ neu > CK2 α	99.9 \pm 4.2	58.2 \pm 2.5	0.985266	48
CK2 $\alpha^{P1/P1}$ neu > CK2 α _KD	38.0 \pm 2.5	22.1 \pm 1.4	6.93 $\times 10^{-22}$	48
neu 2x > CK2 α /CK2 α	170.9 \pm 5.5	99.5 \pm 3.2	7.89 $\times 10^{-17}$	48
neu $^{elav; dcr2}$ > CK2 β^{RNAi}	60.9 \pm 3.2	35.5 \pm 1.9	2.01 $\times 10^{-11}$	48

Statistical comparison between genotypes as listed		P
CK2 $\alpha^{P1/P1}$	CK2 $\alpha^{P1/P1}$ neu>CK2 α	3.76 $\times 10^{-19}$
CK2 $\alpha^{P1/P1}$	CK2 $\alpha^{P1/P1}$ neu>CK2 α _KD	0.429068

The number of DvGlut clusters per muscle 4 NMJ was quantified. P-values were calculated relative to controls or as indicated. *n* equals number of NMJs analyzed.

Genotype	Satellite bouton number (m4)	P	n
control	0.6 \pm 0.2		20
neu>CK2 α /CK2 α	20.5 \pm 2.4	1.38 $\times 10^{-7}$	20

The number of satellite boutons per muscle 4 NMJ was quantified. P-values were calculated relative to controls or as indicated. *n* equals number of NMJs analyzed.