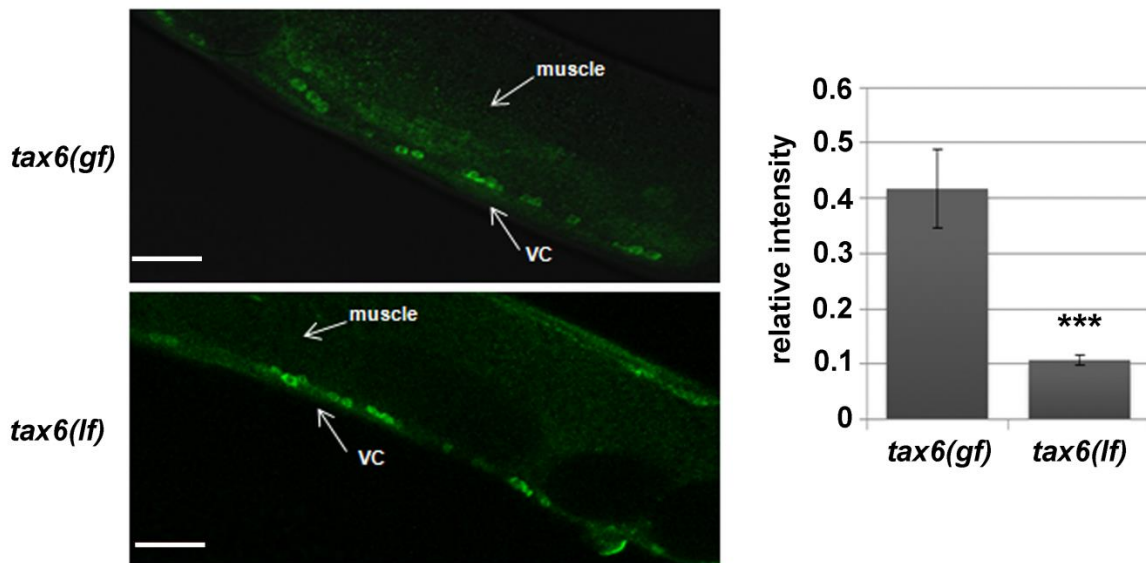# Supplemental Materials
Molecular Biology of the Cell

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αRIC-3

Figure 1. Effects of TAX-6 gain of function on RIC-3 quantity and distribution. Quantity of RIC-3 as seen using immunohistochemistry in muscles expressing *tax-6(gf)* relative to *tax-6(lf)*. Left, representative images of muscles and neurons, scale bar 20 μm. Indicated by arrows are positions of ventral cord neurons (VC) and of muscle. Right, average intensity given relative to neurons from the same animal n=7 animals from each strain, ** $p<0.01$.

Supplemental Table 1.

Protein	locus	Role	Phosphorylation sites	Ref.
UNC-29	T08G11.5	L-AChR subunit	--	(1)
UNC-38	F21F3.5	L-AChR subunit	S404	(1)
UNC-63	Y110A7A.3	L-AChR subunit	--	(1)
LEV-1	F09E8.7	L-AChR subunit	S375	(1)
LEV-8	C35C5.5	L-AChR subunit	--	(1)
ACR-8	ZC504.2	L-AChR subunit Alternative	--	(2)
RIC-3	T14A8.1	ER-resident chaperone of L-AChR	S164, S171, S327 T328, S329	(3)
UNC-50	T07A5.2	Golgi, trafficking of L-AChR of L-AChR	S15	(4)
UNC-74	ZK973.11	Protein disulphide isomerase of L-AChR	--	(1)
MOLO-1	F09F7.1	Auxiliary subunit of L-AChR	--	(5)
NRA-2	T05f1.1	Subunit choice for L-AChR	--*	(2)
NRA-4	C02E11.1	Subunit choice for L-AChR	--*	(2)
LEV-9	T07H6.5	Synaptic clustering of L-AChR	--	(6)
LEV-10	Y105E8A.7	Synaptic clustering of L-AChR	--	(7)
OIG-4	R07G3.9	Synaptic clustering of L-AChR	--	(8)
UNC-49	T21C12.1	GABA$_A$ receptor	--	(9)
NLG-1	C40C9.5a C40C9.5b C40C9.5c	Synaptic localization GABA$_A$	S780, T786 S780 S827, T833	(10)
UNC-40	T19B4.7	Synaptic localization GABA$_A$	--	(11)
NRX-1	C29A12.4	Synaptic localization GABA$_A$	--	(10)
FRM-3	H05G16.1	Synaptic localization GABA$_A$	S787, S788, S857, S865	(10)
LIN-2A	F17E5.1	Synaptic localization GABA$_A$	--	(10)
MADD-4B	F53B6.2	Synaptic localization GABA$_A$	--*	(11)

Table 1. Phosphorylation sites in muscle expressed receptor subunit and protein affecting their function * Genes not found in www.phosida.com

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Supplemental Table 2.

Site	Scansite	Phosida
Ser164	Casein Kinase II	No matching motif
Ser171	Casein Kinase I or II	Casein Kinase II
Ser327	Not identified	Casein Kinase II or CaM Kinase II
Thr328	Not identified	Casein Kinase II
Ser329	Casein Kinase II*	Casein Kinase II

* medium stringency (other sites predicted at high stringency).

Table 2. Predicted kinases for RIC-3 phosphorylation sites.