

Table S4. Plasmids used

Plasmid	Description	Promoter and coding region	Vector
pSM	Modified Fire Vector	Contains <i>FseI</i> and <i>AsclI</i> sites for cloning promoters, and <i>NheI</i> and <i>SacI</i> sites for cloning <i>cam-1</i> cDNAs	
pJG7	Modified Fire Vector	Contains <i>FseI</i> and <i>AsclI</i> sites for cloning promoters and <i>SmaI</i> site for genomic fragments, and an SL2::GFP sequence for monitoring expression	
pJG13	Modified Fire Vector	Contains <i>FseI</i> and <i>AsclI</i> sites for cloning promoters, <i>NheI</i> and <i>SacI</i> sites for cloning <i>cam-1</i> cDNA, <i>KpnI</i> and <i>SacI</i> sites for cloning <i>cwn-2</i> cDNA, and an SL2::CFP sequence for monitoring expression	
pSM-GFP	Modified Fire Vector	Contains <i>FseI</i> and <i>AsclI</i> sites for cloning promoters, a synthetic intron, then GFP	
pSM-cherry	Modified Fire Vector	Contains <i>FseI</i> and <i>AsclI</i> sites for cloning promoters, a synthetic intron, then mCherry	
pSM-myrGFP	Modified Fire Vector	Contains <i>FseI</i> and <i>AsclI</i> sites for cloning promoters, a synthetic intron, then myristoylated GFP cDNA	
pJRK20	<i>cwn-2</i> genomic	W01B6 genomic fragment from <i>AfIII</i> to <i>Faul</i>	pJG7
pJRK23	<i>hsp-16.41::cwn-2</i>	Heat-shock promoter:: <i>cwn-2</i> cDNA	pPD49.83
pJRK22	<i>myo-2::cwn-2</i>	<i>myo-2</i> promoter:: <i>cwn-2</i> cDNA (<i>NheI</i> and <i>SacI</i> sites)	pPD30.69
pJRK21	<i>myo-3::cwn-2</i>	<i>myo-3</i> promoter:: <i>cwn-2</i> cDNA (<i>KpnI</i> and <i>SacI</i> sites)	pPD96.52
pJRK27	<i>elt-2::cwn-2</i>	5 kb upstream of <i>elt-2</i> ATG and <i>cwn-2</i> cDNA	pJG13
pJRK28	<i>slt-1::cwn-2</i>	4 kb upstream of <i>slt-1</i> ATG and <i>cwn-2</i> cDNA	pJG13
pJRK76	<i>cam-1A::cam-1A</i>	7.8 kb upstream of <i>cam-1A</i> ATG and <i>cam-1A</i> cDNA	pSM
pJRK80	<i>cam-1B::cam-1B</i>	5.4 kb upstream of <i>cam-1B</i> ATG and <i>cam-1B</i> cDNA	pSM
pJRK84	<i>cam-1C::cam-1C</i>	5.1 kb upstream of <i>cam-1C</i> ATG and <i>cam-1C</i> cDNA	pSM
pJRK78	<i>cam-1A::cam-1C</i>	7.8 kb upstream of <i>cam-1A</i> ATG and <i>cam-1C</i> cDNA	pSM
pJRK97	<i>unc-119::cam-1A</i>	2.2 kb upstream of <i>unc-119</i> ATG and <i>cam-1A</i> cDNA	pJG13
pJRK102	<i>ceh-24::cam-1A</i>	2.9 kb upstream of <i>ceh-24</i> ATG and <i>cam-1A</i> cDNA	pJG13
pJRK101	<i>mig-1::cam-1A</i>	6.5 kb upstream of <i>mig-1</i> ATG and <i>cam-1A</i> cDNA	pJG13
pJRK103	<i>cwn-2::cam-1A</i>	3.4 kb upstream of <i>cwn-2</i> ATG and <i>cam-1A</i> cDNA	pSM
pJRK96	<i>nsy-5::cam-1A</i>	5.6 kb upstream of <i>nsy-5</i> ATG and <i>cam-1A</i> cDNA	pJG13
pJRK100	<i>opt-3::cam-1A</i>	2.5 kb upstream of <i>opt-3</i> ATG and <i>cam-1A</i> cDNA	pSM
pJRK98	<i>ncs-1::cam-1A</i>	2.1 kb upstream of <i>ncs-1</i> ATG and <i>cam-1A</i> cDNA	pSM
pJRK119	<i>ceh-24::sax-3</i>	2.9 kb upstream of <i>ceh-24</i> ATG and <i>cam-1A</i> cDNA	pJG13
pJRK105	<i>ceh-24::GFP</i>	2.9 kb upstream of <i>ceh-24</i> ATG and GFP cDNA	pSM-GFP
pSP50	<i>cam-1</i> N-terminal deletion	<i>cam-1</i> genomic DNA with deletion of N-terminal cytoplasmic domain (Francis et al., 2005)	
pDM109	<i>cam-1</i> genomic::GFP	<i>cam-1</i> genomic DNA with N-terminal GFP fusion (Francis et al., 2005)	
pJRK135	<i>ceh-24::mig-1A</i>	2.9 kb upstream of <i>ceh-24</i> ATG and <i>mig-1A</i> cDNA	pSM
pJRK134	<i>ceh-24::egl-1</i>	2.9 kb upstream of <i>ceh-24</i> ATG and <i>egl-1</i> cDNA	pSM
pJRK106	<i>ceh-24::myrGFP</i>	2.9 kb upstream of <i>ceh-24</i> ATG and myristoylated GFP cDNA	pSM-myrGFP
pJRK129	<i>ceh-24::cfz-2</i>	2.9 kb upstream of <i>ceh-24</i> ATG and <i>cfz-2</i> cDNA	pSM
pJRK85	<i>cam-1A::mCherry</i>	7.8 kb upstream of <i>cam-1A</i> ATG and mCherry cDNA	pSM-cherry
pJRK109	<i>mig-1::myrGFP</i>	6.5 kb upstream of <i>mig-1</i> ATG and myristoylated GFP cDNA	pSM-myrGFP

pPD vectors generated by A. Fire and colleagues are described in Fire et al. (1990). Some *cam-1* clones are described in Francis et al. (2005).

References

- Fire, A., Harrison, S. W. and Dixon, D. (1990). A modular set of lacZ fusion vectors for studying gene expression in *Caenorhabditis elegans*. *Gene* **93**, 189-198.
- Francis, M. M., Evans, S. P., Jensen, M., Madsen, D. M., Mancuso, J., Norman, K. R. and Maricq, A. V. (2005). The Ror receptor tyrosine kinase CAM-1 is required for ACR-16-mediated synaptic transmission at the *C. elegans* neuromuscular junction. *Neuron* **46**, 581-594.