Table S1 Plasmids used in this study

Plasmid	Description
GH50	GFP::unc-54UTR in slot3 Entry vector, gift from Erik Jorgensen
pMH473	unc-54UTR in slot3 Entry vector, gift from Mark Hammarlund
mg207	pDEST_R4R3, gift from Miriam Goodman
mg277	SL2::mCherry::unc-54UTR in slot3 Entry vector, gift from Miriam Goodman
dg9	unc-122p::RFP
dg68	mec-3 promoter in slot1 Entry vector
dg229	QUAS promoter in slot1 Entry vector
dg239	mec-4 promoter (2kb) in slot1 Entry vector
dg240	QF in slot2 Entry vector
dg241	QS in slot2 Entry vector
dg243	[mec-3p::QF], generated by LR recombination between mg207, pMH473, dg68 and dg240
dg245	[mec-4p::QS::SL2mCherry], generated by LR recombination between mg207, mg277, dg241, and mg239
dg260	[mec-4p::Chrimson::GFP], generated by LR recombination between mg207, GH50, mg239, and dg263
dg262	[mec-4p::CoChR::GFP], generated by LR recombination between mg207, GH50, mg239, and dg265
dg263	Chrimson, codon optimized and containing artificial introns in slot2 Entry vector, generated through gene synthesis in the pUC57-Kan backbone
dg264	Chronos, codon optimized and containing artificial introns in slot2 Entry vector, generated through gene synthesis in the pUC57-Kan backbone
dg265	CoChR, codon optimized and containing artificial introns in slot2 Entry vector, generated through gene synthesis in the pUC57-Kan backbone
dg276	[QUAS::CoChR::GFP], generated by LR recombination between mg207, GH50, mg229, and dg265

L. C. Schild and D. A. Glauser