		AddGene			
Name used in text Strain name	Genotype	plasmid	References	Notes	Figure(s) used
Wild-type N2 (Bristol)			Fatt and Dougherty 1963		Figures 1, 2, 3, 4
LBV001 LBV001	unknown			EMS screen, backcrossed 4x	referenced in text
LBV002 LBV002	nstp-3(ejd002[F48V])			EMS screen, backcrossed 4x	referenced in text
LBV003 LBV003	str-217(ejd003[P314S])			EMS screen, backcrossed 4x	Figure 1h and Figure
	str-217(ejd003); ejdEx1[pLV001(Pstr-				Figure 2d
LBV003 rescue LBV004	217::str-217::SL2::GFP)]	pLV001			Figure 2d
ewIR73 ewIR73	str-217(N2)		Doroszuk 2009	a chrV:~14.0-18.6 Mb	Figure 2b
ewIR74 ewIR74	str-217(WBVar02076179)		Doroszuk 2009	CB4856>N2	Figure 2b-c
DVID74 LDV000	str-217(WBVar02076179); ejdEx1[pLV001(Pstr-217::str-	-1.1/004			Figure 2c
ewIR74 rescue LBV009	217::SL2::GFP)]	pLV001		chrV:~17.4-21 Mb	
ewIR76 ewIR76	str-217 (N2)		Doroszuk 2009 Hodgkin and Doniach	CB4856>N2	Figure 2b
Hawaiian CB4856			1997		Figure 2b
		(pJA42,			Figure 2d, 3b-f, 4d
-t- 047 / LDV005	-t 047(-:-1004)	pDD162,		CRISPR-Cas9-induced	and e
str-217-/- LBV005	str-217(ejd001) str-217(ejd001); ejdEx2[pLV002(Psrh-	pLV002)		lesion	
str-217-/- rescue LBV006	220::str-217::mCherry)] ку <u>н</u> х3438[<i>H</i> sre-	pLV003			Figure 2d, 3b-f
	1(1kb)::TeTX::SL2::mCherry +				Figure 3b, 4f
ADL::TeTX CX12328	coel::DsRed]		Schiavo 1992		0
LBV007 ADL::ReaChR	ejdEx3[pES01(Psrh-220::ReaChR)]		Lin 2013	plasmid was gift from Elias Scheer, Baramann lab	Figure 4h-l
ADL::GCaMP CX16616	mzmEx[Psre1::GCaMP5kopt + Psre- 1::tagRFP]		Jang 2017	Баг <u>и</u> шаштар	Figure 3 c-f
mutant ADL::GCaMP LBV008	str- 217(ejd001);mzmEx[Psre1::GCaMP5k opt + Psre-1::tagRFP)]				Figure 3c-f
mutant ADEGCalvir EBV000	su-211(ejauu1), mzmEx[Psre1::GCaMP5kopt + Psre-				
	1::tagRFP))]; ejdEx2[Psrh-220::str-				Figure 3 c-f
rescue ADL::GCaMP LBV009	217::mCherry]	pLV003			
AWC::GCaMP CX17256	kyls722[Pstr-2::GCaMP5a]			integrated by UV, backcrossed 4x	Extended data Figure 2
str-217-/-;	str-217(ejd001);kyls722[Pstr-				Extended data Figure

AWC::GCaMP

Pptr10::myrRFP OS1907

2::GCaMP5a]

nsls108(Pptr-10::myrRFP)

2