

Table S1. Strains used in this study.

Strain name	Genotype	Source
N2		Samuel lab stock
HC196	<i>[sid-1(qt9) V]</i>	CGC
VC1119	<i>[dyf-2\&ZK520.2(gk505) III]</i> (named as <i>[sid-2(gk505)III]</i> in text)	CGC
GR1403	<i>[ls(sur-5::gfp) I; eri-1(mg366) IV]</i>	Gary Ruvkun lab
BIG0105	<i>[ls(sur-5::gfp) I]</i>	this study; generated by crossing GR1403 and N2
BIG0106	<i>[sid-1(qt9) V; ls(sur-5::gfp) I]</i>	this study; generated by crossing BIG0105 and HC196
BIG0107	<i>[sid-2(gk505) III; ls(sur-5::gfp) I]</i>	this study; generated by crossing BIG0105 and VC1119
EG9888	<i>[W01A8.6(oxTi---{Pmex-5::cas9(+ smu-2 introns), Phsp-16.41::Cre, Pmyo-2::2xNLS-CyOFP + lox2272})I]</i>	Eric Jorgensen lab