

Table S2 sgRNAs sequences

sgRNA	sense/antisense	Sequence (N19/20)	Gene	Location
APs5	s	cacgaggtggtatgcgag	<i>K08F4.2</i>	3'end
APa4-2	a	aatcactccctgtttgtgt	<i>K08F4.2</i>	in ORF
APs1	s	gccttaaccagaataaga	<i>K08F4.2</i>	5'end
APs4	s	tattaaatgcagataacct	<i>K08F4.2</i>	5' end
APs6	s	cgcagcggtttccaaaatg	<i>K08F4.2</i>	3' end
APs12	s	gtagtcacggcgatgatta	<i>fbf-2</i>	3'end
APa13	a	taatcatcgccgtgactac	<i>fbf-2</i>	3'end
HS516	s	cttttgagccgtcaacat	<i>mbk-2</i>	5'end
JS117	s	atggactggagtcgatggg	<i>mbk-2</i>	3'end
JS118	s	ggaggactgccgatcatg	<i>mbk-2</i>	3'end
JS129	s	gcatcaaatagtgtctcgt	<i>mex-5</i>	5'end
JS130	s	atagtgctctcgccgg	<i>mex-5</i>	5'end
SL225	a	gagtcgaagtcggttact	<i>nos-2</i>	5'end
SL232	a	ctgattcgagagtcgaagt	<i>nos-2</i>	5'end
TL001	s	tcgtggacgtggtggttac	<i>pgl-1</i>	3'end
TL002	s	gtggtggttacgggggtcg	<i>pgl-1</i>	3'end
CSD35	a	tagccattgcaggtgataa	<i>swan-1</i>	5'end
CSD53	a	tgaagaaagtataactcga	<i>swan-2</i>	3'end
CSD54	a	aaaattgatccaatca	<i>swan-2</i>	3'end
sg3	s	ggtctcgaggacactatt	<i>mex-6</i>	3'end
sg4	s	ccctcaagatgaagaaggc	<i>glh-1</i>	3'end
sg5	s	gaggaaactgaacgatttc	<i>htp-3</i>	3'end
sg6	s	aaaagctcaacatctcc	<i>deps-1</i>	3'end
sg16	a	aagattattcagaagtcac	<i>mes-2</i>	3'end
sg18	a	atagtgctctcgagaccg	<i>mex-6</i>	3'end
sg21	a	tatatattaattagacc	<i>deps-1</i>	3'end
sg23	s	ccaccagcaacgaataag	<i>lin-15b</i>	3'end
sg25	a	atttcactattcgttgc	<i>lin-15b</i>	3'end

s: sense sgRNA / a: antisense sgRNA