

Table S1. Summary of sgRNAs sequences and their efficiency

Name	Sequence	S/AS	% efficiency
<i>avr-14</i> no.1	GAATATTGAAAGACTATGAT(TGG)	S	10
<i>avr-14</i> no.2	GATTGGAGAGTTAGACCACG(TGG)	S	20
<i>avr-15</i> no.9	GCAGAAAATGAATGTCATAC(AGG)	AS	HIGH
<i>avr-15</i> no.10	GTTTGCAATATAAGTCACCC(AGG)	AS	HIGH
<i>unc-22</i> no.2	GAACCCGTTGCCGAATACAC(AGG)	S	5
<i>unc-22</i> no.9	GCCTTTGCTTCGATTTTCTT(TGG)	AS	0
<i>unc-4</i> no.1	GTTATCGTCATCCGGTGACG(TGG)	AS	10
<i>rde-3</i> no.3	GAATTTGAGCTTGAACGAGC(TGG)	AS	LOW
<i>rde-3</i> no.4	GTCGATACTTCAAAATTAAT(TGG)	AS	LOW
<i>lon-2</i> no.1	GGGAAACTATAACCTCACTG(TGG)	S	30
<i>dpy-11</i> no.2	GCAAGGATCTTCAAAAAGCA(CGG)	S	0.4
<i>dpy-11</i> no.4	GATGCTTGTAGTCTGGAAC(TGG)	AS	
<i>unc-32</i> no.1	GATAGGAAGCATCAGATTGA(AGG)	AS	0
<i>unc-32</i> no.2	GTTGCTGAACTGGGAGAGCT(CGG)	S	
<i>bli-2</i> no.1	GGATTTGCTGCTACTGAATC(CGG)	AS	0
<i>bli-2</i> no.2	GATGGACGGGATGGTAGAGA(TGG)	S	
<i>dpy-5</i> no.2	GTCGGATTCGGCGCTGCATG(CGG)	S	0
<i>dpy-5</i> no.3	GGTTTCCTGGAGCTCCGGCT(GGG)	AS	
<i>ben-1</i> no.3	GGATATCACTTCCCAGAACT(TGG)	AS	0
<i>ben-1</i> no.5	GGGAGAAAGTGATTTGCAGT(TGG)	S	
<i>pie-1</i> a	GGCTCAGATTGACGAGGCGC(CGG)	S	24
<i>pie-1</i> b	GCTGAGAGAAGAATCCATCG(GGG)	AS	15
<i>pie-1</i> c	GGACAAAGAGAGGGGGTGAG(TGG)	AS	7.5
<i>pie-1</i> d	GTTGAGTGCAGCCATTTGCT(CGG)	AS	5
<i>smo-1</i> a	GCCGATGATGCAGCTCAAGC(AGG)	S	LOW
<i>smo-1</i> b	GTGCACTTCCGTGTAAAGTA(TGG)	S	HIGH
<i>smo-1</i> c	GTCTACCAAGAGCAGCTGGG(CGG)	S	HIGH
<i>smo-1</i> d	GTATCTCAGTGGAAGGGGA(TGG)	S	HIGH
<i>vet-2</i>	GTTGGATCATAGGATACCGG(TGG)	AS	38
C35E7.6	GGGCACCATACCGAGTGATG(GGG)	AS	100
<i>oma-1</i>	GATCCAATGATGTCATGTAA(CGG)	S	LOW