Table S1 Properties and evaluation of *C. elegans* R1 and R2 sequences

(A) Scrambled R1 and R2 sequences

Element	WT sequence	Scrambled sequence
R1 upstream	CAACAACTAAACCACCAAG	ACACACACCACAAGCCATA (p2524)
R1 downstream	CTTGGTGGTTTGGTGTTG	TATGGCTTGTGGTGTGTGT (p2525)
R2 upstream	TCTCTCTCTCCCCC	CTCCTCCTTCCTCC (p2527)
R2 downstream	GGGGGAGAGAGAGA	GGAGGAAGGAGGAG (p2526)

(B) Genes with coordinated exon skipping

Transcript*	# of exons skipped	Complementary sequence elements?
cha-1	**3**	**Yes**
unc-49B	8	No
unc-49C	16	No
unc-60B	4	No
avr-14B (gbr-2B)	7	No

*Transcript terminology and structure for *cha-1* from Alfonso *et al.* 1994; *unc-49* from Bamber *et al.* 1999; for *unc-60* from McKim *et al.* 1994; for *avr-14* (aka *gbr*-2) from Laughton *et al.* 1997 and Dent *et al.* 2000. Genomic sequences for all genes were downloaded from WormBase, Release WS240 (www.wormbase.org).

(C) Long introns evaluated for complementary sequence elements

Gene/transcript*	Intron examined	Intron size	Complementary sequence elements?
cha-1	**From exon 1 to exon c2**	**6.9 kb**	**Yes**
ric-4A(snap-25A)	From exon 1A to exon 2	7.8 kb	No
gar-3B	From exon 2 to exon 3	9.0 kb	No
gcy-28D	From exon 5 to exon 6	13.6 kb	No

*Transcript terminology and structure for *cha-1* from Alfonso *et al.* 1994; for *ric-4* (aka *snap-25)*, *gar-3*, and *gcy-2* from WormBase. Genomic sequences for all genes were downloaded from WormBase, Release WS240 (www.wormbase.org).

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