

Sup. Fig. 1

A

pegRNA Table

Variant	Score	Protospacer.Sense.	Protospacer.Antisense.	EditPos.	Extension.coding.strand.	PAM	PAM.Strand
ExampleLocus_delT	-1	GGCCCAGACTGAGCACGTGA	TCACGTGCTCAGTCTGGGCC	1	CAGACTGAGCACG[T]GATGGCAGAGAAAGGAAGCCCTGCTTCCTCCA	TGG	Sense
ExampleLocus_delT	-22	gCTGGCCTGGGTCAATCCTTG	CAAGATTGACCCAGGCCAGC	22	CCTGGGTCAATCCTTGGGGCCAGACTGAGCACG[T]GATGGCAGAGGA	GGG	Sense
ExampleLocus_delT	-26	GACGCCCTCTGGAGGAAGCA	TGCTTCCTCCAGAGGGCGTC	26	TGAGCACG[T]GATGGCAGAGAAAGGAAGCCCTGCTTCCTCCAGAGGG	GGG	Antisense
ExampleLocus_delT	-27	gCGACGCCCTCTGGAGGAAGC	GCTTCCTCCAGAGGGCGTCGC	27	GAGCACG[T]GATGGCAGAGAAAGGAAGCCCTGCTTCCTCCAGAGGGC	AGG	Antisense
ExampleLocus_delT	-51	gCCTGGCCTGGGTCAATCCTT	AAGGATTGACCCAGGCCAGGC	23	GCCTGGGTCAATCCTTGGGGCCAGACTGAGCACG[T]GATGGCAGAGG	GGG	Sense
ExampleLocus_delT	-52	gCCCTGGCCTGGGTCAATCCT	AGGATTGACCCAGGCCAGGGC	24	GGCCTGGGTCAATCCTTGGGGCCAGACTGAGCACG[T]GATGGCAGAG	TGG	Sense

B

Output Table

	Variant	Protospacer	EditPos.	PAM	Base.Editor
1	Example Variant C>T edit	GGCC CC AGAGCCTCTTTCTG	6	AGG	BE3-R33A
2	Example Variant C>T edit	GG CC AGAGCCTCTTTCTG	6	AGG	BE3 (ha3A-R128A)
3	Example Variant C>T edit	CC C AGAGCCTCTTTCTGAGG	3	AGG	Target-AID