

Additional file 1

a NaNEC5b

		gRNA20	gRNA21		
WT		TTTTGGGCATAAGAGGAGGCTGGAGGCAA	//	TTCTTGCATGGAAAATCAAATGGC	
		Total Indel % (Total Large Deletion %)		10.1 (8.7)	
Replicate 1		TTTTGGGCATAAGAGGAGG	/ /	AAATGGC	5.1
		TTTTGGGCATAAGAGGAGG		AATGGC	2.9
		TTTTGGGCATAAGAGGA - -		AATGGC	0.3
		Total Indel % (Total Large Deletion %)		5.6 (5.1)	
Replicate 2		TTTTGGGCATAAGAGGAGG	/ /	AAATGGC	2.6
		TTTTGGGCATAAGAGGAGG		AATGGC	1.9
		Total Indel % (Total Large Deletion %)		6.9 (6.2)	
Replicate 3		TTTTGGGCATAAGAGGAGG	/ /	AATGGC	2.7
		TTTTGGGCATAAGAGGAGG		AAATGGC	2.5

b NaNEC3a

		gRNA4	gRNA5		
WT		AATAGTTGAAGATACAATGAGGATGGCAG	//	TCTTGAAGATCTGGAGAAGTTGGT	
		Total Indel % (Total Large Deletion %)		6.9 (5.9)	
Replicate 1		AATAGTTGAAGATACAATGA	/ /	AGTTGGT	4.5
		AATAGTTGAAGATACAATGA		TAGTTGGT	0.5
		AATAGTTGAAGATACAATGA		AAGTTGGT	0.5
		Total Indel % (Total Large Deletion %)		5.5 (4.3)	
Replicate 2		AATAGTTGAAGATACAATGA	/ /	AGTTGGT	3.8
		AATAGTTGAAGATACAATGA		AAGTTGGT	0.3
		Total Indel % (Total Large Deletion %)		6.9 (6.1)	
Replicate 3		AATAGTTGAAGATACAATGA	/ /	AGTTGGT	5.3
		AATAGTTGAAGATACAAT - -		AGTTGGT	0.2
		AATAGTTGAAGATACAATGA		CAGTTGGT	0.2

c NaAOC

		gRNA4	gRNA2		
WT		TACGAGCTCAATGAACGTGACCGTGGTAG	//	CCAAAAGACTGTCAATTCCTTGA	
		Total Indel % (Total Large Deletion %)		14.8 (13.7)	
Replicate 1		TACGAGCTCAATGAACGTGA	/ /	CCTTGA	12.8
		TACGAGCTCAATGAACGTG -		CCTTGA	0.5
		Total Indel % (Total Large Deletion %)		18.5 (16.8)	
Replicate 2		TACGAGCTCAATGAACGTGA	/ /	CCTTGA	16.3
		TACGAGCTCAATGAACGTG -		CCTTGA	0.4

d NaMYC2

		gRNA2	gRNA3		
WT		TTGTATTCCTTCAGCAAACGGCGTGGTTG	//	AGAGTTCGATCTCATGAACAAGGT	
		Total Indel % (Total Large Deletion %)		6.4 (5.6)	
Replicate 1		TTGTATTCCTTCAGCAAAC -	/ /	ACAAGGT	2.2
		TTGTATTCCTTCAGCAAACG		ACAAGGT	2
		Total Indel % (Total Large Deletion %)		2 (1.7)	
Replicate 2		TTGTATTCCTTCAGCAAACG	/ /	ACAAGGT	1
		TTGTATTCCTTCAGCAAAC -		ACAAGGT	0.1
		Total Indel % (Total Large Deletion %)		18.6 (16)	
Replicate 3		TTGTATTCCTTCAGCAAACG	/ /	ACAAGGT	4
		TTGTATTCCTTCAGCAAAC -		ACAAGGT	3.5
		TTGTATTCCTTCAGCAAACG		AACAAGGT	2.6
		Total Indel % (Total Large Deletion %)		8.7 (7.3)	
Replicate 4		TTGTATTCCTTCAGCAAACG	/ /	ACAAGGT	2.4
		TTGTATTCCTTCAGCAAACG		AACAAGGT	1.1
		TTGTATTCCTTCAGCAAAC -		ACAAGGT	1
		Total Indel % (Total Large Deletion %)		10.6 (9.4)	
Replicate 5		TTGTATTCCTTCAGCAAACG	/ /	ACAAGGT	2.6
		TTGTATTCCTTCAGCAAAC -		ACAAGGT	1.3
		TTGTATTCCTTCAGCA - - - -		ACAAGGT	0.8

e NaNEC1c

		gRNA2	gRNA1		
WT		CTAGGATCAAAGGAAGAACCAAAAGGAAA	//	AACAATGACTAAGATAATTGTGAGGC	
		Total Indel % (Total Large Deletion %)		5.3 (4.4)	
Replicate 1		CTAGGATCAAAGGAAGAACC	/ /	GTGAGGC	2.2
		CTAGGATCAAAGGAAGAACC		TGTGAGGC	0.6
		CTAGGATCAAAGGA - - - - -		TGTGAGGC	0.5
		Total Indel % (Total Large Deletion %)		11.3 (9.6)	
Replicate 2		CTAGGATCAAAGGAAGAACC	/ /	GTGAGGC	7.7
		CTAGGATCAAAGGAAGAACC -		TGTGAGGC	1.3
		CTAGGATCAAAG - - - - -		TGTGAGGC	0.3
		Total Indel % (Total Large Deletion %)		9.7 (7.2)	
Replicate 3		CTAGGATCAAAGGAAGAACC	/ /	GTGAGGC	4.3
		CTAGGATCAAAGGAAGAACC -		TGTGAGGC	1