FIG. 2B

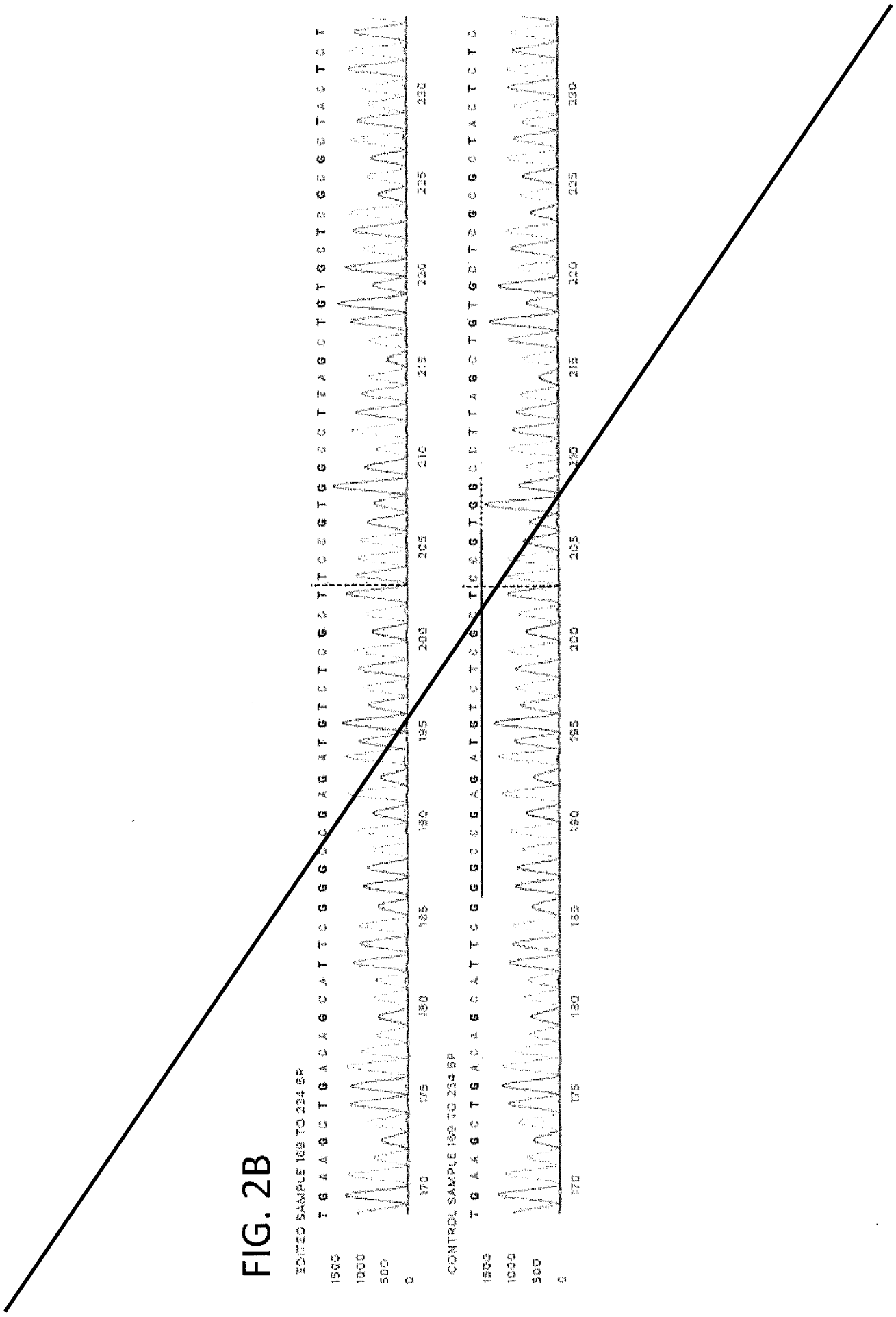


FIG. 3A

Gene Name:	CIITA
Transcript ID	ENST00000324288.12
Guide RNA 1 Sequence:	CACAGCUGAGCCCCCCACUG
Guide RNA 2 Sequence:	GGCUCCUGGUUGAACAGCGC
Guide RNA 3 Sequence:	CCCCUAACAUACUGGGAAUC
PCR & Sequencing Primers:	
FOR primer (5'-3'):	TGAGAGCTTGGGGTCCCTTA
REV primer (5'-3'):	CTGAGGCATGTTCTCTGGCA
GC Enhancer Used:	N/A
Sequencing Primer Used:	GGTAGGGGCTTGGAGCTAAC

FIG. 4B

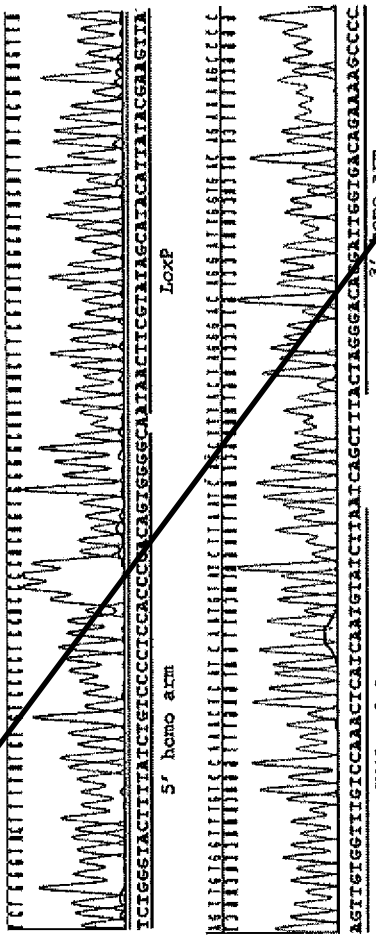


FIG. 2B

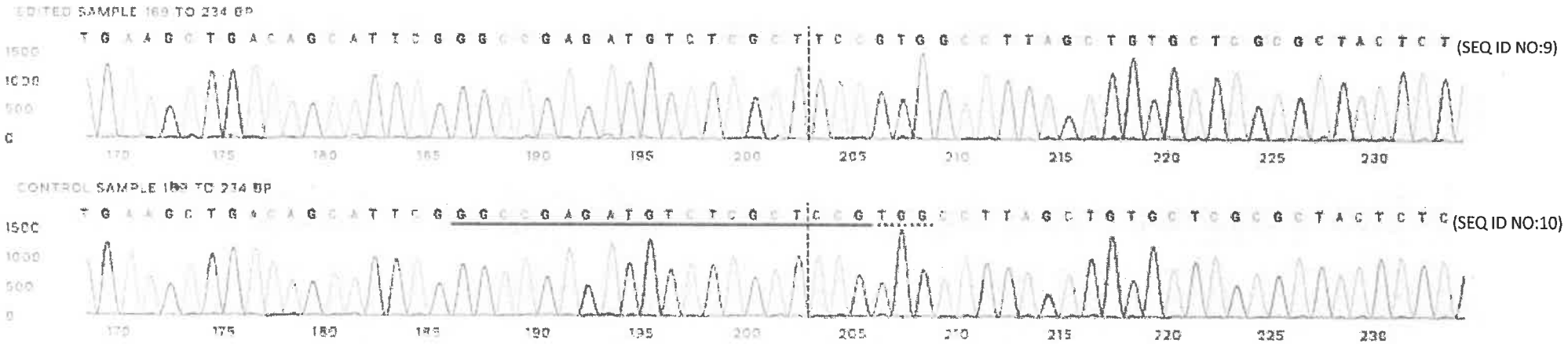

EDITED SAMPLE 169 TO 234 BP
1500
1000
500
0
170
175
180
185
190
195
200
205
210
215
220
225
230
(SEQ ID NO:9)
CONTROL SAMPLE 169 TO 234 BP
1500
1000
500
0
170
175
180
185
190
195
200
205
210
215
220
225
230
(SEQ ID NO:10)

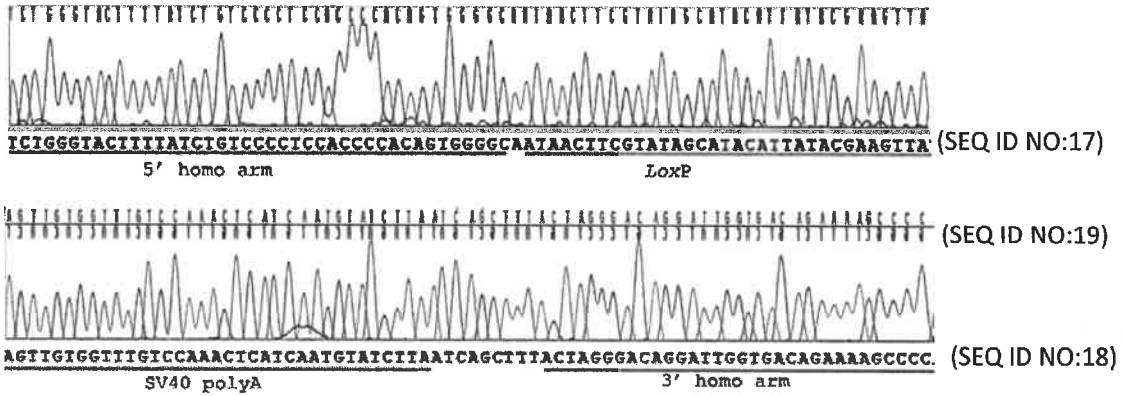
FIG. 3A

Gene Name:	CIITA
Transcript ID	ENST00000324288.12
Guide RNA 1 Sequence:	CACAGCUGAGCCCCCCACUG (SEQ ID NO:11)
Guide RNA 2 Sequence:	GGCUCCUGGUUGAACAGCGC (SEQ ID NO:12)
Guide RNA 3 Sequence:	CCCCUAACAUACUGGGAAUC (SEQ ID NO:13)

PCR & Sequencing Primers:

FOR primer (5'-3'):	TGAGAGCTTGGGGTCCCTTA (SEQ ID NO:14)
REV primer (5'-3'):	CTGAGGCATGTTCTCTGCCA (SEQ ID NO:15)
GC Enhancer Used:	N/A
Sequencing Primer Used:	GGTAGGGGCTTGGAGCTAAC (SEQ ID NO:16)

FIG. 4B


TCTGGGTACTTTTATCTGTCCCCTCCACCCCACAGTGGGGCAATAACTTCGTATAGCATACATTATACGAAGTTA
(SEQ ID NO:17)
5' homo arm
LoxP
(SEQ ID NO:19)
AGTTGTGGTTTGTCCAAACTCATCAATGTATCTTAATCAGCTTTACTAGGGACAGGATTGGTGACAGAAAAGCCCC.
(SEQ ID NO:18)
SV40 polyA
3' homo arm