

C A T G G A A T C C C T T C T G C A G C A C C T G G A T C G C T T T T C C G A G - Reference  
sgRNA

C	A	T	G	G	A	A	T	C	C	C	T	T	C	T	G	C	A	G	C	A	C	C	T	G	G	A	T	C	G	C	T	T	T	T	C	C	G	A	G	-	72.34% (170 reads)
C	A	T	G	G	A	A	T	C	C	C	T	T	C	T	G	C	A	-	-	-	C	C	T	G	G	A	T	C	G	C	T	T	T	T	C	C	G	A	G	-	3.83% (9 reads)
C	A	T	G	G	A	A	T	C	C	C	T	T	C	T	G	-	-	-	-	-	-	-	-	G	A	T	C	G	C	T	T	T	T	C	C	G	A	G	-	1.70% (4 reads)	
C	A	T	G	G	A	A	T	C	C	C	T	T	C	T	G	C	A	G	C	C	A	C	C	T	G	G	A	T	C	G	C	T	T	T	T	C	C	G	A	-	1.28% (3 reads)
C	A	T	G	G	A	A	T	C	C	C	T	-	-	-	-	-	-	-	-	-	-	-	-	G	G	A	T	C	G	C	T	T	T	T	C	C	G	A	G	-	0.85% (2 reads)
C	A	T	G	G	A	A	T	C	C	C	T	T	C	T	G	-	-	-	-	A	C	C	T	G	G	A	T	C	G	C	T	T	T	T	C	C	G	A	G	-	0.85% (2 reads)
C	A	T	G	G	A	A	T	C	C	C	T	T	C	T	G	C	A	G	C	-	-	-	-	-	-	-	-	-	-	-	T	T	T	T	C	C	G	A	G	-	0.85% (2 reads)
C	A	T	G	G	A	A	T	C	C	C	T	T	C	T	G	C	A	G	C	-	-	-	-	-	-	A	T	C	G	C	T	T	T	T	C	C	G	A	G	-	0.85% (2 reads)
C	A	T	G	G	A	A	T	C	C	C	T	T	C	T	G	C	A	G	C	-	-	C	T	G	G	A	T	C	G	C	T	T	T	T	C	C	G	A	G	-	0.85% (2 reads)
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	T	T	T	C	C	G	A	G	-	0.43% (1 reads)	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	T	C	G	C	T	T	T	T	C	C	G	A	G	-	0.43% (1 reads)	
C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C	T	G	G	A	T	C	G	C	T	T	T	T	C	C	G	A	G	-	0.43% (1 reads)	
C	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C	C	T	G	G	A	T	C	G	C	T	T	T	T	C	C	G	A	G	-	0.43% (1 reads)	
C	A	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C	G	C	T	T	T	T	C	C	G	A	G	-	0.43% (1 reads)	
C	A	T	G	G	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	G	C	T	T	T	T	C	C	G	A	G	-	0.43% (1 reads)		
C	A	T	G	G	A	A	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.43% (1 reads)	
C	A	T	G	G	A	A	T	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.43% (1 reads)	
C	A	T	G	G	A	A	T	C	-	-	-	T	G	T	G	G	A	T	A	A	C	C	-	G	T	A	T	T	A	C	C	G	C	C	T	T	T	T	C	-	0.43% (1 reads)
C	A	T	G	G	A	A	T	C	A	-	-	-	-	-	-	-	-	-	-	-	-	T	G	G	A	T	C	G	C	T	T	T	T	C	C	G	A	G	-	0.43% (1 reads)	
C	A	T	G	G	A	A	T	C	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	T	T	T	T	C	C	G	A	G	-	0.43% (1 reads)	
C	A	T	G	G	A	A	T	C	C	C	T	T	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C	G	A	G	-	0.43% (1 reads)	
C	A	T	G	G	A	A	T	C	C	C	T	T	C	-	-	-	-	-	-	A	C	C	T	G	G	A	T	C	G	C	T	T	T	T	C	C	G	A	G	-	0.43% (1 reads)
C	A	T	G	G	A	A	T	C	C	C	T	T	C	T	-	-	-	-	-	A	C	C	T	G	G	A	T	C	G	C	T	T	T	T	C	C	G	A	G	-	0.43% (1 reads)
C	A	T	G	G	A	A	T	C	C	C	T	T	C	T	-	-	-	-	C	A	C	C	T	G	G	A	T	C	G	C	T	T	T	T	C	C	G	A	G	-	0.43% (1 reads)
C	A	T	G	G	A	A	T	C	C	C	T	T	C	T	G	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	T	T	T	T	C	C	G	A	G	-	0.43% (1 reads)
C	A	T	G	G	A	A	T	C	C	C	T	T	C	T	G	C	-	-	-	-	-	C	T	G	G	A	T	C	G	C	T	T	T	T	C	C	G	A	G	-	0.43% (1 reads)
C	A	T	G	G	A	A	T	C	C	C	T	T	C	T	G	C	A	-	-	A	C	C	T	G	G	A	T	C	G	C	T	T	T	T	C	C	G	A	G	-	0.43% (1 reads)
C	A	T	G	G	A	A	T	C	C	C	T	T	C	T	G	C	A	<b>A</b>	<b>G</b>	A	G	G	G	C	G	G	C	T	T	T	G	<b>G</b>	<b>G</b>	C	<b>G</b>	G	G	<b>G</b>	T	-	0.43% (1 reads)
C	A	T	G	G	A	A	T	C	C	C	T	T	C	T	G	C	A	G	<b>A</b>	<b>A</b>	<b>G</b>	-	-	G	G	A	T	C	G	C	T	T	T	T	C	C	G	A	G	-	0.43% (1 reads)
C	A	T	G	G	A	A	T	C	C	C	T	T	C	T	G	C	A	G	<b>A</b>	T	C	A	G	C	G	G	G	G	A	T	C	C	C	T	G	C	A	G	A	-	0.43% (1 reads)
C	A	T	G	G	A	A	T	C	C	C	T	T	C	T	G	C	A	G	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.43% (1 reads)	
C	A	T	G	G	A	A	T	C	C	C	T	T	C	T	G	C	A	G	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.43% (1 reads)	
C	A	T	G	G	A	A	T	C	C	C	T	T	C	T	G	C	A	G	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.43% (1 reads)	
C	A	T	G	G	A	A	T	C	C	C	T	T	C	T	G	C	A	G	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.43% (1 reads)	
C	A	T	G	G	A	A	T	C	C	C	T	T	C	T	G	C	A	G	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.43% (1 reads)	
C	A	T	G	G	A	A	T	C	C	C	T	T	C	T	G	C	A	G	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.43% (1 reads)	
C	A	T	G	G	A	A	T	C	C	C	T	T	C	T	G	C	A	G	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.43% (1 reads)	
C	A	T	G	G	A	A	T	C	C	C	T	T	C	T	G	C	A	G	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.43% (1 reads)	
C	A	T	G	G	A	A	T	C	C	C	T	T	C	T	G	C	A	G	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.43% (1 reads)	
C	A	T	G	G	A	A	T	C	C	C	T	T	C	T	G	C	A	G	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.43% (1 reads)	
C	A	T	G	G	A	A	T	C	C																																

**bold** Substitutions  

Insertions

Deletions