

C A T G G A A T C C C C T T C T G C A G C A C 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-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	-	-	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	-	-	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	-	-	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	-	-	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	-	-	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	-	-	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	-	-	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	-	-	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	-	-	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	-	-	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	-	-	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	-	-	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	-	-	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	-	-	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	-	-	A	C	C	T	G	G	A	T	C	G	C	T	T	T	T	C	C	G	A	G	-0.43% (1 reads)	

**bold**

Substitutions

Insertions

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Deletions

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Predicted cleavage position