

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

T	G	G	G	G	C	C	C	A	G	A	C	T	G	A	G	C	A	C	G	T	G	A	T	G	G	C	A	G	A	G	G	A	A	A	G	G	A	A	G	-	41.80% (102 reads)
T	G	G	G	G	C	C	C	A	G	A	C	T	G	A	G	C	A	C	G	T	G	A	T	G	G	C	A	A	A	G	G	A	A	A	G	G	A	A	G	-	21.72% (53 reads)
T	G	G	G	G	C	C	C	A	G	A	C	T	G	A	G	C	A	-	-	-	-	-	-	-	-	-	G	A	G	G	A	A	A	G	G	A	A	G	-	3.28% (8 reads)	
T	G	G	G	G	C	C	C	A	G	A	C	T	G	A	-	-	-	-	-	-	-	T	G	G	C	A	G	A	G	G	A	A	A	G	G	A	A	G	-	2.46% (6 reads)	
T	G	G	G	G	C	C	C	A	G	A	C	T	G	A	G	C	A	C	G	-	-	-	-	-	-	C	A	G	A	G	G	A	A	A	G	G	A	A	G	-	2.05% (5 reads)
T	G	G	G	G	C	C	C	A	G	A	C	T	G	A	G	C	A	C	-	T	G	A	T	G	G	C	A	G	A	G	G	A	A	A	G	G	A	A	G	-	1.64% (4 reads)
T	G	G	G	G	C	C	C	A	G	A	C	T	G	A	G	C	A	C	G	G	T	G	A	T	G	G	C	A	G	A	G	G	A	A	A	G	G	A	A	-	1.64% (4 reads)
T	G	G	G	G	C	C	C	A	G	A	C	T	G	A	G	C	A	-	-	T	G	A	T	G	G	C	A	G	A	G	G	A	A	A	G	G	A	A	G	-	1.23% (3 reads)
T	G	G	G	G	C	C	C	A	G	A	C	T	G	A	G	C	A	A	-	-	-	-	-	-	-	-	-	A	G	G	A	A	A	G	G	A	A	G	-	1.23% (3 reads)	
T	G	G	G	G	C	C	C	A	G	A	C	T	G	A	G	C	A	C	G	T	T	G	A	T	G	G	C	A	G	A	G	G	A	A	A	G	G	A	A	-	1.23% (3 reads)
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.82% (2 reads)	
T	G	G	G	G	C	C	C	A	G	A	C	T	G	-	-	-	-	-	-	-	-	-	-	-	G	C	A	G	A	G	G	A	A	A	G	G	A	A	G	-	0.82% (2 reads)
T	G	G	G	G	C	C	C	A	G	A	C	T	G	A	G	C	A	C	G	-	-	-	-	-	-	-	A	G	A	G	G	A	A	A	G	G	A	A	G	-	0.82% (2 reads)
T	G	G	G	G	C	C	C	A	G	A	C	T	G	A	G	C	A	C	G	-	G	A	T	G	G	C	A	G	A	G	G	A	A	A	G	G	A	A	G	-	0.82% (2 reads)
T	G	G	G	G	C	C	C	A	G	A	C	T	G	A	G	C	A	C	G	C	T	G	A	T	G	G	C	A	G	A	G	G	A	A	A	G	G	A	A	-	0.82% (2 reads)
T	G	G	G	G	C	C	C	A	G	A	C	T	G	A	G	C	A	C	G	T	T	G	A	T	G	G	C	A	A	A	G	G	A	A	A	G	G	A	A	-	0.82% (2 reads)
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	A	A	G	G	A	A	A	G	G	A	A	G	-	0.41% (1 reads)	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C	A	A	A	G	G	A	A	A	G	G	A	A	G	-	0.41% (1 reads)	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	G	C	A	G	A	G	G	A	A	A	G	G	A	A	G	-	0.41% (1 reads)	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	T	G	G	C	A	G	A	G	G	A	A	A	G	G	A	A	G	-	0.41% (1 reads)
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	T	G	A	T	G	G	C	A	G	A	G	G	A	A	A	G	G	A	A	G	-	0.41% (1 reads)
A	C	G	T	C	A	A	T	A	G	G	G	G	G	C	G	T	A	C	T	-	-	-	T	G	G	C	A	G	A	G	G	A	A	A	G	G	A	A	G	-	0.41% (1 reads)
T	G	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	T	G	G	C	A	A	A	G	G	A	A	A	G	G	A	A	G	-	0.41% (1 reads)
T	G	G	G	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.41% (1 reads)		
T	G	G	G	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	T	G	G	C	A	G	A	G	G	A	A	A	G	G	A	A	G	-	0.41% (1 reads)
T	G	G	G	G	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.41% (1 reads)		
T	G	G	G	G	C	C	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	G	A	G	G	T	A	A	G	G	A	A	G	-	0.41% (1 reads)	
T	G	G	G	G	C	C	C	A	G	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	G	G	A	A	A	G	G	A	A	G	-	0.41% (1 reads)	
T	G	G	G	G	C	C	C	A	G	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.41% (1 reads)		
T	G	G	G	G	C	C	C	A	G	A	C	T	G	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.41% (1 reads)		
T	G	G	G	G	C	C	C	A	G	A	C	T	G	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.41% (1 reads)		
T	G	G	G	G	C	C	C	A	G	A	C	T	G	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.41% (1 reads)		
T	G	G	G	G	C	C	C	A	G	A	C	T	G	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.41% (1 reads)		
T	G	G	G	G	C	C	C	A	G	A	C	T	G	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.41% (1 reads)		
T	G	G	G	G	C	C	C	A	G	A	C	T	G	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.41% (1 reads)		
T	G	G	G	G	C	C	C	A	G	A	C	T	G	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.41% (1 reads)		
T	G	G	G	G	C	C	C	A	G	A	C	T	G	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.41% (1 reads)		
T	G	G	G	G	C	C	C																																		

**bold**

Substitutions

Insertions

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Deletions

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Predicted cleavage position