

T T A G T T T T C T C G C A C T T A A G C T C T G G T T C G G A C A G A A A T A - Reference																																											
sgRNA																																											
T	T	A	G	T	T	T	T	C	T	C	G	C	A	C	T	T	A	A	G	C	T	C	T	G	G	T	T	C	G	G	A	C	A	G	A	A	A	T	A	-	28.57% (16356 reads)		
T	T	A	G	T	T	T	T	C	T	C	G	C	A	C	T	-	-	-	-	-	-	C	T	G	G	T	T	C	G	G	A	C	A	G	A	A	A	T	A	-	8.90% (5093 reads)		
T	T	A	G	T	T	T	T	C	T	C	G	C	A	C	T	T	A	A	G	-	T	C	T	G	G	T	T	C	G	G	A	C	A	G	A	A	A	T	A	-	8.18% (4682 reads)		
T	T	A	G	T	T	T	T	C	T	C	G	C	A	C	T	T	A	A	-	C	T	C	T	G	G	T	T	C	G	G	A	C	A	G	A	A	A	T	A	-	8.11% (4641 reads)		
T	T	A	G	T	T	T	T	C	T	C	G	C	-	-	-	-	-	-	-	-	C	T	C	T	G	G	T	T	C	G	G	A	C	A	G	A	A	A	T	A	-	5.00% (2860 reads)	
T	T	A	G	T	T	T	T	C	T	C	G	C	A	C	T	T	A	-	-	-	-	C	T	C	T	G	G	T	T	C	G	G	A	C	A	G	A	A	A	T	A	-	4.11% (2352 reads)
T	T	A	G	T	T	T	T	C	T	C	G	C	A	C	-	-	-	-	-	-	-	C	T	C	T	G	G	T	T	C	G	G	A	C	A	G	A	A	A	T	A	-	2.64% (1512 reads)
T	T	A	G	T	T	T	T	C	T	C	G	C	A	C	T	T	-	-	-	-	-	C	T	C	T	G	G	T	T	C	G	G	A	C	A	G	A	A	A	T	A	-	1.85% (1061 reads)
T	T	A	G	T	T	T	T	C	T	C	G	C	-	-	-	-	-	-	-	-	-	T	C	T	G	G	T	T	C	G	G	A	C	A	G	A	A	A	T	A	-	1.45% (832 reads)	
T	T	A	G	T	T	T	T	C	T	C	G	C	A	C	T	T	A	A	G	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.38% (789 reads)	
T	T	A	G	T	T	T	T	C	T	C	G	C	A	C	T	T	A	A	G	A	C	T	C	T	G	G	T	T	C	G	G	A	C	A	G	A	A	A	T	-	1.35% (774 reads)		
T	T	A	G	T	T	T	T	C	T	C	G	C	A	C	T	T	A	A	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	T	C	-	0.95% (546 reads)	
T	T	A	G	T	T	T	T	C	T	C	G	C	A	C	T	-	-	-	-	-	-	-	-	G	G	T	T	C	G	G	A	C	A	G	A	A	A	T	A	-	0.95% (541 reads)		
T	T	A	G	T	T	T	T	C	T	C	-	-	-	-	-	-	-	-	-	-	-	-	T	G	G	T	T	C	G	G	A	C	A	G	A	A	A	T	A	-	0.87% (500 reads)		
T	T	A	G	T	T	T	T	C	T	C	G	C	A	C	T	T	A	A	G	C	C	T	C	T	G	G	T	T	C	G	G	A	C	A	G	A	A	A	T	-	0.83% (475 reads)		
T	T	A	G	T	T	T	T	C	T	C	G	C	A	C	T	T	-	-	-	-	-	-	C	T	G	G	T	T	C	G	G	A	C	A	G	A	A	A	T	A	-	0.75% (427 reads)	
T	T	A	G	T	T	T	T	C	T	C	G	C	A	C	T	-	-	-	-	-	C	T	C	T	G	G	T	T	C	G	G	A	C	A	G	A	A	A	T	A	-	0.72% (413 reads)	
T	T	A	G	T	T	T	T	C	T	C	G	C	A	C	T	T	A	A	G	-	-	-	-	-	G	T	T	C	G	G	A	C	A	G	A	A	A	T	A	-	0.71% (404 reads)		
T	T	A	G	T	T	T	T	C	T	C	G	C	A	C	T	T	A	A	G	-	-	C	T	G	G	T	T	C	G	G	A	C	A	G	A	A	A	T	A	-	0.64% (369 reads)		
T	T	A	G	T	T	T	T	C	T	C	G	C	A	C	T	T	A	A	G	-	-	-	T	G	G	T	T	C	G	G	A	C	A	G	A	A	A	T	A	-	0.60% (346 reads)		
T	T	A	G	T	T	T	T	C	T	C	-	-	-	-	-	-	-	-	-	-	C	T	C	T	G	G	T	T	C	G	G	A	C	A	G	A	A	A	T	A	-	0.56% (319 reads)	
T	T	A	G	T	T	T	T	C	T	C	G	C	A	C	T	T	-	-	-	-	-	-	-	G	G	T	T	C	G	G	A	C	A	G	A	A	A	T	A	-	0.55% (313 reads)		
T	T	A	G	T	T	T	T	C	T	C	-	-	-	-	-	-	-	-	-	-	T	C	T	G	G	T	T	C	G	G	A	C	A	G	A	A	A	T	A	-	0.43% (245 reads)		
T	T	A	G	T	T	T	T	C	T	C	G	C	A	C	T	T	-	-	-	-	-	-	-	-	-	-	T	C	G	G	A	C	A	G	A	A	A	T	A	-	0.38% (217 reads)		
T	T	A	G	T	T	T	T	C	T	C	G	C	A	C	T	T	A	A	G	-	-	-	-	-	T	T	C	G	G	A	C	A	G	A	A	A	T	A	-	0.34% (194 reads)			
T	T	A	G	T	T	T	T	C	T	C	G	C	A	-	-	-	-	-	-	-	T	C	T	G	G	T	T	C	G	G	A	C	A	G	A	A	A	T	A	-	0.32% (183 reads)		
T	T	A	G	T	T	T	T	C	T	C	G	C	A	C	T	A	-	-	-	C	T	C	T	G	G	T	T	C	G	G	A	C	A	G	A	A	A	T	A	-	0.32% (181 reads)		
T	T	A	G	T	T	T	T	C	T	C	G	C	A	C	T	T	A	-	-	-	-	-	-	T	G	G	T	T	C	G	G	A	C	A	G	A	A	A	T	A	-	0.30% (172 reads)	
T	T	A	G	T	T	T	T	C	T	C	G	C	A	C	T	T	-	-	-	-	-	-	-	-	-	-	-	C	G	G	A	C	A	G	A	A	A	T	A	-	0.27% (155 reads)		
T	T	A	G	T	T	T	T	C	T	C	G	C	-	-	-	-	-	-	-	-	-	-	T	G	G	T	T	C	G	G	A	C	A	G	A	A	A	T	A	-	0.25% (145 reads)		
T	T	A	G	T	T	T	T	C	T	C	G	C	A	C	T	T	A	A	G	-	-	-	-	G	G	T	T	C	G	G	A	C	A	G	A	A	A	T	A	-	0.24% (140 reads)		
T	T	A	G	T	T	T	T	C	T	C	G	C	A	C	T	T	-	-	-	-	-	-	T	G	G	T	T	C	G	G	A	C	A	G	A	A	A	T	A	-	0.23% (129 reads)		
T	T	A	G	T	T	T	T	C	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	G	G	T	T	C	G	G	A	C	A	G	A	A	A	T	A	-	0.22% (128 reads)		
T	T	A	G	T	T	T	T	C	T	C	G	C	A	C	T	T	A	A	-	-	T	C	T	G	G	T	T	C	G	G	A	C	A	G	A	A	A	T	A	-	0.21% (121 reads)		
T	T	A	G	T	T	T	T	C	T	C	G	C	A	C	T	T	-	-	-	-	-	-	-	G	T	T	C	G	G	A	C	A	G	A	A	A	T	A	-	0.21% (120 reads)			

bold

Substitutions

Insertions

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Deletions

Predicted cleavage position