

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	-	33.35% (19129 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	-	8.81% (5052 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	-	8.76% (5027 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	-	7.79% (4467 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	-	4.74% (2719 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	-	3.54% (2033 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	-	2.05% (1174 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	-	1.65% (945 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	-	1.51% (865 reads)	
T	T	A	G	T	T	T	T	C	T	C	G	C	A	C	T	T	A	A	G	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.38% (791 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	-	0.89% (511 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	-	0.83% (477 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	-	0.76% (437 reads)
T	T	A	G	T	T	T	T	C	T	C	G	C	A	C	T	T	A	A	G	T	C	T	C	T	G	G	T	T	C	G	G	A	C	A	G	A	A	A	T	A	-	0.72% (414 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	-	0.65% (375 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	-	0.63% (359 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	-	0.61% (351 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	-	0.53% (304 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	-	0.48% (276 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	-	0.43% (246 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	-	0.40% (230 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	-	0.30% (172 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	-	0.27% (156 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	-	0.25% (145 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	G	G	T	T	C	G	G	A	C	A	G	A	A	A	T	A	-	0.23% (131 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	-	0.22% (127 reads)	
T	T	A	G	T	T	T	T	C	T	C	G	C	A	C	T	T	A	A	G	T	T	T	T	C	T	C	T	G	G	T	T	C	G	G	A	C	A	G	A	-	0.21% (123 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	-	0.20% (117 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	-	0.20% (115 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	-	0.20% (115 reads)	

bold

Substitutions

Insertions

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Deletions

Predicted cleavage position