

T	A	G	C	G	A	C	A	T	T	C	A	T	A	A	C	A	G	A	G	A	C	A	T	G	G	T	A	A	C	G	A	G	A	T	C	T	G	T	T	-	Reference	
sgRNA																																										
T	A	G	C	G	A	C	A	T	T	C	A	T	A	A	C	A	G	A	G	A	C	A	T	G	G	T	A	A	C	G	A	G	A	T	C	T	G	T	T	-	42.91% (19400 reads)	
T	A	G	C	G	A	C	A	T	T	C	A	T	A	A	C	A	G	A	-	-	C	A	T	G	G	T	A	A	C	G	A	G	A	T	C	T	G	T	T	-	7.04% (3182 reads)	
T	A	G	C	G	A	C	A	T	T	C	A	T	A	A	C	A	-	-	-	-	-	-	T	G	G	T	A	A	C	G	A	G	A	T	C	T	G	T	T	-	4.98% (2250 reads)	
T	A	G	C	G	A	C	A	T	T	C	A	T	A	A	C	A	-	-	-	-	-	C	A	T	G	G	T	A	A	C	G	A	G	A	T	C	T	G	T	T	-	4.19% (1894 reads)
T	A	G	C	G	A	C	A	T	T	C	A	T	A	A	C	A	G	A	G	-	C	A	T	G	G	T	A	A	C	G	A	G	A	T	C	T	G	T	T	-	2.98% (1346 reads)	
T	A	G	C	G	A	C	A	T	T	C	A	T	A	A	C	A	G	A	-	A	C	A	T	G	G	T	A	A	C	G	A	G	A	T	C	T	G	T	T	-	1.86% (842 reads)	
T	A	G	C	G	A	C	A	T	T	C	A	T	A	-	-	-	-	-	-	-	C	A	T	G	G	T	A	A	C	G	A	G	A	T	C	T	G	T	T	-	1.86% (841 reads)	
T	A	G	C	G	A	C	A	T	T	C	A	T	A	A	-	-	-	-	-	-	A	C	A	T	G	G	T	A	A	C	G	A	G	A	T	C	T	G	T	T	-	1.53% (690 reads)
T	A	G	C	G	A	C	A	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	G	G	T	A	A	C	G	A	G	A	T	C	T	G	T	T	-	1.03% (467 reads)	
T	A	G	C	G	A	C	A	T	T	C	A	T	A	A	C	A	G	A	G	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	T	C	T	G	T	T	-	1.01% (456 reads)
T	A	G	C	G	A	C	A	T	T	C	A	T	A	A	C	A	G	A	G	-	-	A	T	G	G	T	A	A	C	G	A	G	A	T	C	T	G	T	T	-	0.73% (328 reads)	
T	A	G	C	G	A	C	A	T	T	C	A	T	A	A	C	-	-	-	-	-	C	A	T	G	G	T	A	A	C	G	A	G	A	T	C	T	G	T	T	-	0.70% (316 reads)	
T	A	G	C	G	A	C	A	T	T	C	A	T	A	A	-	-	-	-	-	-	-	-	T	G	G	T	A	A	C	G	A	G	A	T	C	T	G	T	T	-	0.60% (273 reads)	
T	A	G	C	G	A	C	A	T	T	C	A	T	A	A	C	A	-	-	-	-	A	C	A	T	G	G	T	A	A	C	G	A	G	A	T	C	T	G	T	T	-	0.53% (241 reads)
T	A	G	C	G	A	C	A	T	T	C	A	T	A	A	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	G	A	G	A	T	C	T	G	T	T	-	0.51% (230 reads)	
T	A	G	C	G	A	C	A	T	T	C	A	-	-	-	-	-	-	-	-	-	C	A	T	G	G	T	A	A	C	G	A	G	A	T	C	T	G	T	T	-	0.39% (177 reads)	
T	A	G	C	G	A	C	A	T	T	C	A	T	A	A	C	A	G	A	-	-	-	-	T	G	G	T	A	A	C	G	A	G	A	T	C	T	G	T	T	-	0.39% (176 reads)	
T	A	G	C	G	A	C	A	T	T	C	A	T	A	A	C	A	G	A	G	-	-	-	-	-	-	T	A	A	C	G	A	G	A	T	C	T	G	T	T	-	0.37% (166 reads)	
T	A	G	C	G	A	C	A	T	T	C	A	T	-	-	-	-	-	-	-	-	-	-	-	G	G	T	A	A	C	G	A	G	A	T	C	T	G	T	T	-	0.36% (161 reads)	
T	A	G	C	G	A	C	A	T	T	C	A	T	-	-	-	-	-	-	G	A	C	A	T	G	G	T	A	A	C	G	A	G	A	T	C	T	G	T	T	-	0.32% (144 reads)	
T	A	G	<b>A</b>	G	A	C	A	T	T	C	A	T	A	A	C	A	G	A	G	A	C	A	T	G	G	T	A	A	C	G	A	G	A	T	C	T	G	T	T	-	0.30% (137 reads)	
T	A	G	C	G	A	C	A	T	T	C	A	T	A	A	C	A	G	A	G	A	C	A	T	<b>T</b>	G	T	A	A	C	G	A	G	A	T	C	T	G	T	T	-	0.30% (136 reads)	
T	A	G	C	G	A	C	A	T	T	C	A	-	-	-	-	-	-	-	-	A	C	A	T	G	G	T	A	A	C	G	A	G	A	T	C	T	G	T	T	-	0.25% (112 reads)	
T	A	G	C	G	A	C	A	T	T	C	A	T	A	-	-	-	-	-	G	A	C	A	T	G	G	T	A	A	C	G	A	G	A	T	C	T	G	T	T	-	0.25% (112 reads)	
<b>G</b>	A	G	C	G	A	C	A	T	T	C	A	T	A	A	C	A	G	A	G	A	C	A	T	G	G	T	A	A	C	G	A	G	A	T	C	T	G	T	T	-	0.24% (109 reads)	
T	A	G	C	G	A	C	A	T	T	C	A	T	A	A	C	A	G	A	G	-	-	-	-	-	G	T	A	A	C	G	A	G	A	T	C	T	G	T	T	-	0.22% (98 reads)	
T	A	G	C	G	A	C	A	T	T	C	A	T	A	A	C	A	G	A	G	A	C	A	T	G	G	T	A	A	C	G	A	G	A	T	C	T	<b>T</b>	T	T	-	0.21% (95 reads)	
T	A	G	C	G	A	C	A	T	T	C	A	T	A	A	C	A	G	A	G	A	C	<b>C</b>	T	G	G	T	A	A	C	G	A	G	A	T	C	T	G	T	T	-	0.21% (93 reads)	
T	A	G	C	G	A	C	A	T	T	C	A	T	A	-	-	-	-	-	-	-	-	-	T	G	G	T	A	A	C	G	A	G	A	T	C	T	G	T	T	-	0.21% (93 reads)	
T	A	G	C	G	A	C	A	T	T	C	A	T	A	A	C	A	G	A	G	<b>G</b>	A	C	A	T	G	G	T	A	A	C	G	A	G	A	T	C	T	G	T	-	0.21% (93 reads)	

**bold** Substitutions

Insertions

- Deletions

----- Predicted cleavage position