

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	-	51.03% (116899 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	-	5.44% (12471 reads)	
T	A	G	C	G	A	C	A	T	T	C	A	T	A	A	C	A	G	A	G	T	A	C	A	T	G	G	T	A	A	C	G	A	G	A	T	C	T	G	T	-	4.59% (10520 reads)	
T	A	G	C	G	A	C	A	T	T	C	A	T	A	A	C	A	G	A	G	G	A	C	A	T	G	G	T	A	A	C	G	A	G	A	T	C	T	G	T	-	3.58% (8195 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	-	3.54% (8117 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	-	2.87% (6586 reads)	
T	A	G	C	G	A	C	A	T	T	C	A	T	A	A	C	A	G	A	G	A	A	C	A	T	G	G	T	A	A	C	G	A	G	A	T	C	T	G	T	-	1.49% (3410 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	-	1.43% (3279 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	-	1.11% (2538 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	-	0.80% (1822 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	-	0.76% (1733 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	-	0.73% (1668 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	-	0.64% (1472 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	-	0.62% (1425 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	C	A	C	G	A	G	A	T	C	T	G	T	T	-	0.60% (1377 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	-	0.58% (1321 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	-	0.42% (970 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	-	0.33% (762 reads)	
T	A	G	C	G	A	C	A	T	T	C	A	T	A	A	C	A	G	A	G	A	C	C	T	G	G	T	A	A	C	G	A	G	A	T	C	T	G	T	T	-	0.31% (707 reads)	
T	A	G	C	G	A	C	A	G	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% (695 reads)	
T	A	G	C	G	A	C	A	T	T	C	A	T	A	A	C	A	G	A	G	A	C	A	G	G	G	T	A	A	C	G	A	G	A	T	C	T	G	T	T	-	0.29% (673 reads)	
T	A	G	C	G	A	C	A	T	T	C	A	T	A	A	C	-	-	-	G	A	C	A	T	G	G	T	A	A	C	G	A	G	A	T	C	T	G	T	T	-	0.25% (575 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	-	0.23% (533 reads)	
T	A	G	C	G	A	C	A	T	T	C	A	T	A	A	C	A	G	A	G	A	G	A	T	G	G	T	A	A	C	G	A	G	A	T	C	T	G	T	T	-	0.22% (500 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	-	0.21% (485 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	-	0.21% (472 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	-	0.21% (470 reads)	

bold Substitutions

Insertions

- Deletions

----- Predicted cleavage position