

A	A	A	A	C	A	T	C	T	C	T	C	C	T	G	C	C	C	A	G	G	C	C	G	C	T	G	A	G	C	T	G	G	T	G	G	G	T	G	A	- Reference									
sgRNA																																																	
A	A	A	A	C	A	T	C	T	C	T	C	C	T	G	C	C	C	A	G	G	C	C	G	C	T	G	A	G	C	T	G	G	T	G	G	G	T	G	A	- 38.32% (75709 reads)									
A	A	A	A	C	A	T	C	T	C	T	C	C	T	G	T	T	C	A	G	G	C	C	G	C	T	G	A	G	C	T	G	G	T	G	G	G	T	G	A	- 19.84% (39201 reads)									
A	A	A	A	C	A	T	C	T	C	T	C	C	T	G	C	T	C	A	G	G	C	C	G	C	T	G	A	G	C	T	G	G	T	G	G	G	T	G	A	- 19.69% (38896 reads)									
A	A	A	A	C	A	T	C	T	C	T	C	C	T	G	T	T	T	A	G	G	C	C	G	C	T	G	A	G	C	T	G	G	T	G	G	G	T	G	A	- 5.86% (11587 reads)									
A	A	A	A	C	A	T	C	T	C	T	C	C	T	G	C	T	T	A	G	G	C	C	G	C	T	G	A	G	C	T	G	G	T	G	G	G	T	G	A	- 4.91% (9702 reads)									
A	A	A	A	C	A	T	C	T	C	T	T	C	T	G	C	T	C	A	G	G	C	C	G	C	T	G	A	G	C	T	G	G	T	G	G	G	T	G	A	- 0.67% (1322 reads)									
A	A	A	A	C	A	T	C	T	T	T	C	C	T	G	C	T	C	A	G	G	C	C	G	C	T	G	A	G	C	T	G	G	T	G	G	G	T	G	A	- 0.61% (1198 reads)									
A	A	A	A	C	A	T	C	T	T	T	C	C	T	G	T	T	C	A	G	G	C	C	G	C	T	G	A	G	C	T	G	G	T	G	G	G	T	G	A	- 0.61% (1196 reads)									
A	A	A	A	C	A	T	C	T	C	T	C	C	T	G	T	G	C	A	G	G	C	C	G	C	T	G	A	G	C	T	G	G	T	G	G	G	T	G	A	- 0.50% (984 reads)									
A	A	A	A	C	A	T	C	T	C	T	C	C	T	G	C	C	C	A	G	G	C	C	G	C	T	G	A	T	C	T	G	G	T	G	G	G	T	G	A	- 0.43% (855 reads)									
A	A	A	A	C	A	T	C	T	C	T	T	T	T	G	T	T	T	A	G	G	C	C	G	C	T	G	A	G	C	T	G	G	T	G	G	G	T	G	A	- 0.42% (827 reads)									
A	A	A	A	C	A	T	C	T	C	T	C	T	T	G	T	T	C	A	G	G	C	C	G	C	T	G	A	G	C	T	G	G	T	G	G	G	T	G	A	- 0.39% (775 reads)									
A	A	A	A	C	A	T	C	T	C	T	T	T	T	G	T	T	C	A	G	G	C	C	G	C	T	G	A	G	C	T	G	G	T	G	G	G	T	G	A	- 0.38% (757 reads)									
A	A	A	A	C	A	T	C	T	C	T	T	C	T	G	T	T	C	A	G	G	C	C	G	C	T	G	A	G	C	T	G	G	T	G	G	G	T	G	A	- 0.37% (736 reads)									
A	A	A	A	C	A	T	C	T	C	T	T	T	T	G	C	T	C	A	G	G	C	C	G	C	T	G	A	G	C	T	G	G	T	G	G	G	T	G	A	- 0.32% (628 reads)									
A	A	A	A	C	A	T	C	T	C	T	C	C	T	G	C	G	C	A	G	G	C	C	G	C	T	G	A	G	C	T	G	G	T	G	G	G	T	G	A	- 0.27% (532 reads)									
A	A	A	A	C	A	T	C	T	C	T	C	T	T	G	T	T	T	A	G	G	C	C	G	C	T	G	A	G	C	T	G	G	T	G	G	G	T	G	A	- 0.25% (488 reads)									
A	A	A	A	C	A	T	C	T	T	T	C	C	T	G	T	T	T	A	G	G	C	C	G	C	T	G	A	G	C	T	G	G	T	G	G	G	T	G	A	- 0.23% (460 reads)									
A	A	A	A	C	A	T	C	T	C	T	C	C	T	G	T	T	C	A	G	G	C	C	G	C	T	G	A	T	C	T	G	G	T	G	G	G	T	G	A	- 0.23% (451 reads)									
A	A	A	A	C	A	T	C	T	T	T	C	T	T	G	C	T	C	A	G	G	C	C	G	C	T	G	A	G	C	T	G	G	T	G	G	G	T	G	A	- 0.22% (437 reads)									
A	A	A	A	C	A	T	C	T	C	T	C	C	T	G	C	T	C	A	G	G	C	C	G	C	T	G	A	T	C	T	G	G	T	G	G	G	T	G	A	- 0.21% (422 reads)									

bold Substitutions

Insertions

- Deletions