

A	G	A	T	A	G	G	T	G	G	A	C	T	A	T	G	C	A	G	T	C	A	A	T	G	G	A	C	G	A	A	C	T	T	C	C	G	C	T	A	-	Reference	
sgRNA																																										
A	G	A	T	A	G	G	T	G	G	A	C	T	A	T	G	C	A	G	T	C	A	A	T	G	G	A	C	G	A	A	C	T	T	C	C	G	C	T	A	-	48.44% (8086 reads)	
A	G	A	T	A	G	G	T	G	G	A	C	T	A	T	-	-	-	-	-	C	A	A	T	G	G	A	C	G	A	A	C	T	T	C	C	G	C	T	A	-	4.61% (769 reads)	
A	G	A	T	A	G	G	T	G	G	A	C	T	A	T	G	C	-	-	-	C	A	A	T	G	G	A	C	G	A	A	C	T	T	C	C	G	C	T	A	-	3.68% (614 reads)	
A	G	A	T	A	G	G	T	G	G	A	C	T	A	T	G	C	A	-	-	-	-	A	T	G	G	A	C	G	A	A	C	T	T	C	C	G	C	T	A	-	3.57% (596 reads)	
A	G	A	T	A	G	G	T	G	G	A	C	T	A	T	G	C	A	G	-	C	A	A	T	G	G	A	C	G	A	A	C	T	T	C	C	G	C	T	A	-	2.27% (379 reads)	
A	G	A	T	A	G	G	T	G	G	A	C	T	A	T	G	C	A	-	T	C	A	A	T	G	G	A	C	G	A	A	C	T	T	C	C	G	C	T	A	-	2.22% (370 reads)	
A	G	A	T	A	G	G	T	G	G	A	C	T	A	T	G	C	A	G	T	C	A	A	T	G	G	A	C	G	A	A	C	T	G	C	C	G	C	T	A	-	2.15% (359 reads)	
A	G	A	T	A	G	G	T	G	G	A	C	T	A	-	-	-	-	-	-	C	A	A	T	G	G	A	C	G	A	A	C	T	T	C	C	G	C	T	A	-	2.03% (339 reads)	
A	G	A	T	A	G	G	T	G	G	A	C	T	-	-	-	-	-	-	-	C	A	A	T	G	G	A	C	G	A	A	C	T	T	C	C	G	C	T	A	-	1.10% (184 reads)	
A	G	A	T	A	G	G	T	G	G	A	C	T	A	T	-	-	-	-	T	C	A	A	T	G	G	A	C	G	A	A	C	T	T	C	C	G	C	T	A	-	0.91% (152 reads)	
A	G	A	T	A	G	G	T	G	G	A	C	T	A	T	G	C	-	-	T	C	A	A	T	G	G	A	C	G	A	A	C	T	T	C	C	G	C	T	A	-	0.89% (148 reads)	
A	G	A	T	A	G	G	T	G	G	A	C	T	-	-	-	-	-	-	T	C	A	A	T	G	G	A	C	G	A	A	C	T	T	C	C	G	C	T	A	-	0.86% (144 reads)	
A	G	A	T	A	G	G	T	G	G	A	C	-	-	-	-	-	-	-	-	-	A	A	T	G	G	A	C	G	A	A	C	T	T	C	C	G	C	T	A	-	0.72% (120 reads)	
A	G	A	T	A	G	G	T	G	G	A	C	T	A	T	G	-	-	-	-	-	-	-	-	-	G	A	C	G	A	A	C	T	T	C	C	G	C	T	A	-	0.67% (112 reads)	
A	G	A	T	A	G	G	T	G	G	A	C	T	A	T	G	C	A	G	T	-	A	A	T	G	G	A	C	G	A	A	C	T	T	C	C	G	C	T	A	-	0.66% (111 reads)	
A	G	A	T	A	G	G	T	G	G	A	C	T	A	-	-	-	-	-	-	-	-	A	T	G	G	A	C	G	A	A	C	T	T	C	C	G	C	T	A	-	0.59% (99 reads)	
A	G	A	T	A	G	G	T	G	G	A	C	T	A	T	G	C	A	-	-	C	A	A	T	G	G	A	C	G	A	A	C	T	T	C	C	G	C	T	A	-	0.59% (98 reads)	
A	G	A	T	A	G	G	T	G	G	A	C	T	A	T	G	-	-	-	T	C	A	A	T	G	G	A	C	G	A	A	C	T	T	C	C	G	C	T	A	-	0.58% (97 reads)	
A	G	A	T	A	G	G	T	G	G	A	C	-	-	-	-	-	-	-	-	C	A	A	T	G	G	A	C	G	A	A	C	T	T	C	C	G	C	T	A	-	0.58% (96 reads)	
A	G	-	T	A	G	G	T	G	G	A	C	T	A	T	G	C	A	G	T	C	A	A	T	G	G	A	C	G	A	A	C	T	G	C	C	G	C	T	A	-	0.52% (86 reads)	
A	G	A	T	A	G	G	T	G	G	A	C	T	A	T	G	C	A	G	T	C	A	A	T	G	G	A	C	G	A	A	C	G	T	C	C	G	C	T	A	-	0.46% (77 reads)	
A	G	A	T	A	G	G	T	G	G	A	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	G	A	A	C	T	T	C	C	G	C	T	A	-	0.46% (76 reads)		
A	G	-	T	A	G	G	T	G	G	A	C	T	A	T	G	C	A	G	T	C	A	A	T	G	G	A	C	G	A	A	C	T	T	C	C	G	C	T	A	-	0.43% (71 reads)	
A	G	A	T	A	G	G	T	G	G	A	C	T	A	T	G	C	A	G	T	-	-	-	-	G	G	A	C	G	A	A	C	T	T	C	C	G	C	T	A	-	0.41% (68 reads)	
A	G	A	T	A	G	G	T	G	G	A	C	T	A	T	G	C	A	G	T	T	C	A	A	T	G	G	A	C	G	A	A	C	T	T	C	C	G	C	T	A	-	0.35% (59 reads)
A	G	T	T	A	G	G	T	G	G	A	C	T	C	T	G	C	A	G	T	C	A	A	T	G	G	A	C	G	A	A	C	T	G	C	C	G	C	T	A	-	0.28% (46 reads)	
A	G	A	T	A	G	G	T	G	G	A	C	T	A	T	G	C	A	G	T	C	A	C	T	G	G	A	C	G	A	A	C	T	T	C	C	G	C	T	A	-	0.23% (38 reads)	
A	G	A	T	A	G	G	T	G	G	A	C	T	A	T	G	-	-	-	-	-	-	-	T	G	G	A	C	G	A	A	C	T	T	C	C	G	C	T	A	-	0.22% (36 reads)	
A	G	A	G	A	G	G	T	G	G	A	C	T	A	T	G	C	A	G	T	C	A	A	T	G	G	A	C	G	A	A	C	T	T	C	C	G	C	T	A	-	0.22% (36 reads)	
A	G	A	T	A	G	G	T	G	G	A	-	-	-	-	-	-	-	-	-	-	-	A	T	G	G	A	C	G	A	A	C	T	T	C	C	G	C	T	A	-	0.20% (34 reads)	
A	G	A	T	A	G	G	T	G	G	A	C	T	A	-	-	-	-	-	-	-	A	A	T	G	G	A	C	G	A	A	C	T	T	C	C	G	C	T	A	-	0.20% (34 reads)	

bold Substitutions

Insertions

- Deletions

----- Predicted cleavage position