

T T T T G T G C C A G A G T C C T T C G A T A G G G A C A A G A C A A T T G C A-Reference

# sgRNA

T	T	T	T	G	T	G	C	C	A	G	A	G	T	C	C	T	T	C	G	A	T	A	G	G	G	A	C	A	A	G	A	C	A	A	T	T	G	C	A	-	25.34%	(50779 reads)
T	T	T	T	G	T	G	C	C	A	G	A	G	T	C	C	T	T	C	G	A	A	T	A	G	G	G	A	C	A	A	G	A	C	A	A	T	T	G	C	-	22.37%	(44837 reads)
T	T	T	T	G	T	G	C	C	A	G	A	G	T	C	C	T	T	C	G	T	A	T	A	G	G	G	A	C	A	A	G	A	C	A	A	T	T	G	C	-	11.96%	(23962 reads)
T	T	T	T	G	T	G	C	C	A	G	A	G	T	C	-	-	-	-	-	A	T	A	G	G	G	A	C	A	A	G	A	C	A	A	T	T	G	C	A	-	3.78%	(7578 reads)
T	T	T	T	G	T	G	C	C	A	G	A	G	T	C	C	T	T	C	G	C	A	T	A	G	G	G	A	C	A	A	G	A	C	A	A	T	T	G	C	-	3.58%	(7175 reads)
T	T	T	T	G	T	G	C	C	A	G	A	G	T	C	C	T	T	C	-	A	T	A	G	G	G	A	C	A	A	G	A	C	A	A	T	T	G	C	A	-	2.77%	(5560 reads)
T	T	T	T	G	T	G	C	C	A	G	A	G	T	C	C	T	-	-	-	A	T	A	G	G	G	A	C	A	A	G	A	C	A	A	T	T	G	C	A	-	2.68%	(5365 reads)
T	T	T	T	G	T	G	C	C	A	G	<b>G</b>	<b>A</b>	-	-	-	-	-	-	-	A	T	A	G	G	G	A	C	A	A	G	A	C	A	A	T	T	G	C	A	-	1.73%	(3458 reads)
T	T	T	T	G	T	G	C	C	A	G	A	G	T	C	C	T	T	C	G	G	A	T	A	G	G	G	A	C	A	A	G	A	C	A	A	T	T	G	C	-	1.68%	(3365 reads)
T	T	T	T	G	T	G	C	C	A	G	A	<b>A</b>	-	-	-	-	-	-	-	A	T	A	G	G	G	A	C	A	A	G	A	C	A	A	T	T	G	C	A	-	1.43%	(2857 reads)
T	T	T	T	G	T	G	C	C	A	G	A	G	T	-	-	-	-	-	G	A	T	A	G	G	G	A	C	A	A	G	A	C	A	A	T	T	G	C	A	-	1.41%	(2823 reads)
T	T	T	T	G	T	G	C	C	A	G	A	G	T	C	C	-	-	-	-	-	-	A	G	G	G	A	C	A	A	G	A	C	A	A	T	T	G	C	A	-	1.23%	(2470 reads)
T	T	T	T	G	T	G	C	C	A	G	A	G	T	C	C	T	T	C	G	-	T	A	G	G	G	A	C	A	A	G	A	C	A	A	T	T	G	C	A	-	1.21%	(2417 reads)
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	G	G	G	A	C	A	A	G	A	C	A	A	T	T	G	C	A	-	0.93%	(1860 reads)
T	T	T	T	G	T	G	C	C	A	G	A	G	-	-	-	-	-	-	-	A	T	A	G	G	G	A	C	A	A	G	A	C	A	A	T	T	G	C	A	-	0.91%	(1826 reads)
T	T	T	T	G	T	G	C	C	A	G	A	G	T	C	C	-	-	-	-	A	T	A	G	G	G	A	C	A	A	G	A	C	A	A	T	T	G	C	A	-	0.79%	(1581 reads)
T	T	T	G	T	G	C	C	A	G	A	G	T	C	C	T	T	C	A	G	A	T	A	G	G	G	A	C	A	A	G	A	C	A	A	T	T	G	C	A	-	0.63%	(1255 reads)
T	T	T	T	G	T	G	C	C	A	G	A	G	T	C	C	T	T	C	G	G	G	A	T	A	G	G	G	A	C	A	A	G	A	C	A	A	T	T	G	-	0.56%	(1124 reads)
T	T	T	T	G	T	G	C	C	A	G	A	G	T	C	C	T	T	C	-	-	-	A	G	G	G	A	C	A	A	G	A	C	A	A	T	T	G	C	A	-	0.43%	(871 reads)
T	T	T	T	G	T	G	C	C	A	G	A	G	T	C	-	-	-	-	-	-	T	A	G	G	G	A	C	A	A	G	A	C	A	A	T	T	G	C	A	-	0.37%	(733 reads)
T	T	T	T	G	T	G	C	C	A	G	A	G	T	C	C	T	T	-	-	-	-	A	G	G	G	A	C	A	A	G	A	C	A	A	T	T	G	C	A	-	0.35%	(696 reads)
T	T	T	T	G	T	G	C	C	A	G	A	G	T	-	-	-	-	-	-	A	T	A	G	G	G	A	C	A	A	G	A	C	A	A	T	T	G	C	A	-	0.33%	(656 reads)
T	T	T	T	G	T	G	C	C	A	G	A	G	T	C	C	T	T	C	-	-	T	A	G	G	G	A	C	A	A	G	A	C	A	A	T	T	G	C	A	-	0.32%	(650 reads)
T	T	T	T	G	T	G	C	C	A	G	A	G	T	C	C	-	-	-	G	A	T	A	G	G	G	A	C	A	A	G	A	C	A	A	T	T	G	C	A	-	0.31%	(630 reads)
T	T	T	T	G	T	G	C	C	A	G	A	G	T	C	-	-	-	-	G	A	T	A	G	G	G	A	C	A	A	G	A	C	A	A	T	T	G	C	A	-	0.31%	(613 reads)
T	T	T	T	G	T	G	C	C	A	G	A	G	T	C	C	T	T	-	-	A	T	A	G	G	G	A	C	A	A	G	A	C	A	A	T	T	G	C	A	-	0.27%	(543 reads)
T	T	T	T	G	T	G	C	C	A	G	A	-	-	-	-	-	-	-	-	-	T	A	G	G	G	A	C	A	A	G	A	C	A	A	T	T	G	C	A	-	0.24%	(490 reads)
T	T	T	T	G	T	G	C	C	A	G	A	-	-	-	-	-	-	-	-	A	T	A	G	G	G	A	C	A	A	G	A	C	A	A	T	T	G	C	A	-	0.23%	(456 reads)
T	T	T	T	G	T	G	C	C	A	G	A	G	T	C	C	T	-	-	-	-	-	A	G	G	G	A	C	A	A	G	A	C	A	A	T	T	G	C	A	-	0.21%	(421 reads)

## bold Substitutions

## Insertions

- Deletions

----- Predicted cleavage position