

|       |   |          |   |   |   |   |   |   |   |          |   |   |   |          |   |   |          |   |          |   |          |          |   |   |   |          |   |   |          |          |   |          |   |   |   |   |   |   |   |                        |
|-------|---|----------|---|---|---|---|---|---|---|----------|---|---|---|----------|---|---|----------|---|----------|---|----------|----------|---|---|---|----------|---|---|----------|----------|---|----------|---|---|---|---|---|---|---|------------------------|
| 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 | - 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        | G | C | C | G | C | T | A | - 87.84% (15868 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 | G | C | C | G | C | T | - 0.78% (140 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        | G | C | C | G | C | T | A | - 0.29% (52 reads)     |
| A     | G | <b>G</b> | 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 | - 0.28% (50 reads)     |
| A     | G | A        | T | A | G | G | T | G | G | <b>G</b> | 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 | - 0.28% (50 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        | G | C | C | G | C | T | A | - 0.26% (47 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        | G | C | C | G | C | T | A | - 0.25% (46 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 | <b>G</b> | C | G | A        | A        | C | T        | G | C | C | G | C | T | A | - 0.25% (46 reads)     |
| A     | G | A        | T | A | G | G | T | G | G | A        | C | T | A | T        | G | C | A        | G | T        | C | <b>G</b> | A        | T | G | G | A        | C | G | A        | A        | C | T        | G | C | C | G | C | T | A | - 0.25% (45 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        | <b>G</b> | C | T        | G | C | C | G | C | T | A | - 0.24% (44 reads)     |
| A     | G | A        | T | A | G | G | T | G | G | A        | C | T | A | T        | G | C | A        | G | <b>C</b> | C | A        | A        | T | G | G | A        | C | G | A        | A        | C | T        | G | C | C | G | C | T | A | - 0.24% (43 reads)     |
| A     | G | A        | T | A | G | G | T | G | G | A        | C | T | A | T        | G | C | A        | G | T        | C | A        | <b>G</b> | T | G | G | A        | C | G | A        | A        | C | T        | G | C | C | G | C | T | A | - 0.22% (40 reads)     |
| A     | G | A        | T | A | G | G | T | G | G | A        | C | T | A | T        | G | C | <b>G</b> | G | T        | C | A        | A        | T | G | G | A        | C | G | A        | A        | C | T        | G | C | C | G | C | T | A | - 0.22% (40 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 | <b>C</b> | G | C | C | G | C | T | A | - 0.22% (39 reads)     |
| A     | G | A        | T | A | G | G | T | G | G | A        | C | T | A | <b>C</b> | 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 | - 0.22% (39 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 | <b>G</b> | A        | C | T        | G | C | C | G | C | T | A | - 0.20% (37 reads)     |

**bold** Substitutions

Insertions

- Deletions

----- Predicted cleavage position