

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

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |        |           |           |             |           |             |           |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|-----------|-----------|-------------|-----------|-------------|-----------|
| C | A | T | G | G | A | A | T | C | C | C | T | T | C | T | G | C | A | - | - | - | C | C | T | G | G | A | T | C | G | C | T | T | T | T | C | C | G | A      | G         | -3.83%    | (9 reads)   | 0.00%     | (0 reads)   |           |
| C | A | T | G | G | A | A | T | C | C | C | T | T | C | T | G | - | - | - | - | - | - | - | - | G | A | T | C | G | C | T | T | T | T | C | C | G | A | G      | -1.70%    | (4 reads) | 0.00%       | (0 reads) |             |           |
| C | A | T | G | G | A | A | T | C | C | C | T | T | C | T | G | C | A | G | C | C | A | C | C | T | G | G | A | T | C | G | C | T | T | T | T | C | C | G      | A         | -1.28%    | (3 reads)   | 0.00%     | (0 reads)   |           |
| C | A | T | G | G | A | A | T | C | C | C | T | T | C | T | G | C | A | G | C | - | - | C | T | G | G | A | T | C | G | C | T | T | T | T | C | C | G | A      | G         | -0.85%    | (2 reads)   | 0.00%     | (0 reads)   |           |
| C | A | T | G | G | A | A | T | C | C | C | T | - | - | - | - | - | - | - | - | - | - | - | G | G | A | T | C | G | C | T | T | T | T | C | C | G | A | G      | -0.85%    | (2 reads) | 0.00%       | (0 reads) |             |           |
| C | A | T | G | G | A | A | T | C | C | C | T | T | C | T | G | C | A | G | C | - | - | - | - | - | - | - | - | - | - | - | T | T | T | T | C | C | G | A      | G         | -0.85%    | (2 reads)   | 0.00%     | (0 reads)   |           |
| C | A | T | G | G | A | A | T | C | C | C | T | T | C | T | G | C | A | G | C | - | - | - | - | - | A | T | C | G | C | T | T | T | T | C | C | G | A | G      | -0.85%    | (2 reads) | 0.00%       | (0 reads) |             |           |
| C | A | T | G | G | A | A | T | C | C | C | T | T | C | T | G | - | - | - | - | A | C | C | T | G | G | A | T | C | G | C | T | T | T | T | C | C | G | A      | G         | -0.85%    | (2 reads)   | 0.00%     | (0 reads)   |           |
| C | A | T | G | G | A | A | T | C | C | C | T | T | C | T | G | C | A | G | C | - | C | C | T | G | G | A | T | C | G | C | T | T | T | T | C | C | G | A      | G         | -0.43%    | (1 reads)   | 0.00%     | (0 reads)   |           |
| C | A | T | G | G | A | A | T | C | C | C | T | T | C | T | G | C | A | - | - | A | C | C | T | G | G | A | T | C | G | C | T | T | T | T | C | C | G | A      | G         | -0.43%    | (1 reads)   | 0.00%     | (0 reads)   |           |
| C | A | T | G | G | A | A | T | C | C | C | T | T | C | - | - | - | - | - | - | A | C | C | T | G | G | A | T | C | G | C | T | T | T | T | C | C | G | A      | G         | -0.43%    | (1 reads)   | 0.00%     | (0 reads)   |           |
| C | A | T | G | G | A | A | T | C | C | C | T | T | C | T | G | C | A | G | C | - | - | - | - | G | G | T | C | A | - | - | - | T | T | C | C | G | A | G      | -0.43%    | (1 reads) | 0.00%       | (0 reads) |             |           |
| C | A | T | G | G | A | A | T | C | C | C | T | T | C | T | G | C | A | G | C | - | - | - | - | G | A | T | C | G | C | T | T | T | T | C | C | G | A | G      | -0.43%    | (1 reads) | 0.00%       | (0 reads) |             |           |
| C | A | T | G | G | A | A | T | C | C | C | T | T | C | T | G | C | - | - | - | - | C | T | G | G | A | T | C | G | C | T | T | T | T | C | C | G | A | G      | -0.43%    | (1 reads) | 0.00%       | (0 reads) |             |           |
| C | A | T | G | G | A | A | T | C | C | C | T | T | C | T | G | C | A | G | T | T | C | C | G | G | G | A | T | T | A | G | C | G | T | A | C | T | T | A      | G         | -0.43%    | (1 reads)   | 0.00%     | (0 reads)   |           |
| C | A | T | G | G | A | A | T | C | C | C | T | T | C | T | G | C | A | G | T | T | C | C | G | G | G | A | T | - | - | - | - | T | A | G | C | G | A | A      | -0.43%    | (1 reads) | 0.00%       | (0 reads) |             |           |
| C | A | T | G | G | A | A | T | C | C | C | T | T | C | T | G | C | A | G | C | A | T | C | T | G | G | A | T | C | G | C | T | T | T | T | C | C | G | A      | G         | -0.43%    | (1 reads)   | 0.00%     | (0 reads)   |           |
| C | A | T | G | G | A | A | T | C | C | C | T | T | C | T | G | C | A | G | A | A | G | - | - | G | G | A | T | C | G | C | T | T | T | T | C | C | G | A      | G         | -0.43%    | (1 reads)   | 0.00%     | (0 reads)   |           |
| C | A | T | G | G | A | A | T | C | C | C | T | T | C | T | G | C | A | G | C | T | T | C | T | - | - | - | - | C | G | C | T | T | T | T | C | C | G | A      | G         | -0.43%    | (1 reads)   | 0.00%     | (0 reads)   |           |
| C | A | T | G | G | A | A | T | C | C | C | T | T | C | T | - | - | - | - | C | A | C | C | T | G | G | A | T | C | G | C | T | T | T | T | C | C | G | A      | G         | -0.43%    | (1 reads)   | 0.00%     | (0 reads)   |           |
| C | A | T | G | G | A | A | T | C | C | C | T | T | C | T | G | C | A | G | C | A | C | - | T | G | G | A | T | C | G | C | T | T | T | T | C | C | G | A      | G         | -0.43%    | (1 reads)   | 0.00%     | (0 reads)   |           |
| C | A | T | G | G | A | A | T | C | - | - | - | T | G | T | G | G | A | T | A | A | C | C | - | G | T | A | T | T | A | C | C | G | C | C | T | T | T | T      | C         | -0.43%    | (1 reads)   | 0.00%     | (0 reads)   |           |
| C | A | T | G | G | A | A | T | C | C | C | T | T | C | T | G | C | A | G | C | A | A | C | C | T | G | G | A | T | C | G | C | T | T | T | T | C | C | G      | A         | -0.43%    | (1 reads)   | 0.00%     | (0 reads)   |           |
| C | A | T | G | G | A | A | T | C | C | C | T | T | C | T | G | C | A | G | C | T | A | C | C | T | G | G | A | T | C | G | C | T | T | T | T | C | C | G      | A         | -0.43%    | (1 reads)   | 0.00%     | (0 reads)   |           |
| C | A | T | G | G | A | A | T | C | C | C | T | T | C | T | G | C | A | A | G | A | G | G | G | C | G | G | C | T | T | T | G | G | G | C | G | G | G | T      | -0.43%    | (1 reads) | 0.00%       | (0 reads) |             |           |
| C | A | T | G | G | A | A | T | C | C | C | T | T | C | T | - | - | - | - | - | A | C | C | T | G | G | A | T | C | G | C | T | T | T | T | C | C | G | A      | G         | -0.43%    | (1 reads)   | 0.00%     | (0 reads)   |           |
| C | A | T | G | G | A | A | T | C | C | C | T | T | C | T | G | C | A | G | C | - | - | - | - | - | - | - | - | - | - | - | - | T | C | C | G | A | G | -0.43% | (1 reads) | 0.00%     | (0 reads)   |           |             |           |
| C | A | T | G | G | A | A | T | C | C | C | T | T | C | T | G | C | A | G | C | - | - | - | - | - | - | T | C | G | C | T | T | T | T | C | C | G | A | G      | -0.43%    | (1 reads) | 0.00%       | (0 reads) |             |           |
| C | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C | T | G | G | A | T | C | G | C | T | T | T | T | C | C | G | A      | G         | -0.43%    | (1 reads)   | 0.00%     | (0 reads)   |           |
| C | A | T | G | G | A | A | T | C | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | -      | -0.43%    | (1 reads) | 0.00%       | (0 reads) |             |           |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | A | T | C | G | C | T | T | T | T | C | C | G | A | G      | -0.43%    | (1 reads) | 0.00%       | (0 reads) |             |           |
| C | A | T | G | G | A | A | T | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | -      | -0.43%    | (1 reads) | 0.00%       | (0 reads) |             |           |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | T | T | T | C | C | G | A | G | -0.43% | (1 reads) | 0.00%     | (0 reads)   |           |             |           |
| C | A | T | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C | G | C | T | T | T | T | C | C | G | A | G      | -0.43%    | (1 reads) | 0.00%       | (0 reads) |             |           |
| C | A | T | G | G | A | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | G | C | T | T | T | T | C | C | G | A | G      | -0.43%    | (1 reads) | 0.00%       | (0 reads) |             |           |
| C | A | T | G | G | A | A | T | C | C | C | T | T | C | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C | G | A | G      | -0.43%    | (1 reads) | 0.00%       | (0 reads) |             |           |
| C | A | T | G | G | A | A | T | C | C | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C | G | A | G      | -0.43%    | (1 reads) | 0.00%       | (0 reads) |             |           |
| C | A | T | G | G | A | A | T | C | C | C | T | T | C | T | G | C | A | G | C | - | - | - | - | - | - | - | C | G | C | T | T | T | T | C | C | G | A | G      | -0.43%    | (1 reads) | 0.00%       | (0 reads) |             |           |
| C | A | T | G | G | A | A | T | C | C | C | T | T | C | T | G | C | A | G | C | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | -      | -0.43%    | (1 reads) | 0.00%       | (0 reads) |             |           |
| T | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C | T | G | G | A | T | C | G | C | T | T | T | T | C | C | G | A      | G         | -0.43%    | (1 reads)   | 0.00%     | (0 reads)   |           |
| C | A | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C | C | T | G | G | A | T | C | G | C | T | T | T | T | C | C | G      | A         | G         | -0.43%      | (1 reads) | 0.00%       | (0 reads) |
| C | A | T | G | G | A | A | T | C | C | C | T | T | C | T | G | C | A | G | C | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C | G | A | G      | -0.43%    | (1 reads) | 0.00%       | (0 reads) |             |           |
| C | A | T | G | G | A | A | T | C | C | C | T | T | C | T | G | C | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | -      | -0.43%    | (1 reads) | 0.00%       | (0 reads) |             |           |
| C | A | T | G | G | A | A | T | C | C | C | T | T | C | T | G | C | A | G | A | T | C | A | G | C | G | G | G | G | A | T | C | C | C | T | G | C | A | G      | A         | -0.43%    | (1 reads)   | 0.00%     | (0 reads)   |           |
| C | A | T | G | G | A | A | T | C | A | - | - | - | - | - | - | - | - | - | - | - | - | - | T | G | G | A | T | C | G | C | T | T | T | T | C | C | G | A      | G         | -0.43%    | (1 reads)   | 0.00%     | (0 reads)   |           |
| C | A | T | G | G | A | A | T | C | C | C | T | T | C | T | G | C | A | G | C | G | C | T | A | G | A | T | T | T | C | C | C | A | A | G | A | A | G | A      | A         | -0.43%    | (1 reads)   | 0.00%     | (0 reads)   |           |
| C | A | T | G | G | A | A | T | C | C | C | T | T | C | T | G | C | A | G | C | A | C | C | T | G | G | A | T | C | G | C | T | T | T | T | C | C | G | A      | G         | -72.34%   | (170 reads) | 97.57%    | (241 reads) |           |
| C | A | T | C | G | A | A | T | C | C | C | T | T | C | T | G | C | A | G | C | A | C | C | T | G | G | A | T | C | G | C | T | T | T | T | C | C | G | A      | G         | -0.00%    | (0 reads)   | 0.40%     | (1 reads)   |           |
| C | A | T | G | G | A | A | T | C | C | C | T | T | C | T | G | C | A | G | C | A | C | C | C | G | G | A | T | C | G | C | T | T | T | T | C | C | G | A      | G         | -0.00%    | (0 reads)   | 0.40%     | (1 reads)   |           |

Substitutions  
**□** Insertions  
**-** Deletions  
**-----** Predicted cleavage position