

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

| Reference |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |   |   |   |   |   |   |   |   |   |          |   |   |                   |                       |
|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|---|---|---|---|---|---|---|---|---|---|----------|---|---|-------------------|-----------------------|
| A         | C | A | A | C | A | A | T | C | C | A | A | G | T | T | A | T | C | T | C | A | G | C | T | G | G        | T | C | T | A | C | C | G | A | G | A | A        | C | T | G                 | Reference             |
| A         | C | A | A | C | A | A | T | C | C | A | A | G | T | T | A | T | C | T | C | A | G | C | T | G | G        | T | C | T | A | C | C | G | A | G | A | A        | C | T | G                 | 76.19% (168936 reads) |
| -         | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | A | G | C | T | G | G        | T | C | T | A | C | C | G | A | G | A | A        | C | T | G                 | 10.22% (22661 reads)  |
| A         | C | A | A | C | A | A | T | C | C | A | A | G | T | T | A | T | C | T | C | A | G | C | T | G | G        | T | C | T | A | C | C | G | A | G | A | <b>C</b> | C | T | G                 | 2.11% (4679 reads)    |
| -         | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | T | G | G        | T | C | T | A | C | C | G | A | G | A | A        | C | T | G                 | 0.61% (1354 reads)    |
| -         | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C | T | G | G        | T | C | T | A | C | C | G | A | G | A | A        | C | T | G                 | 0.51% (1125 reads)    |
| -         | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | G | C | T | G | G        | T | C | T | A | C | C | G | A | G | A | A        | C | T | G                 | 0.44% (982 reads)     |
| -         | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | -        | - | - | - | - | - | - | - | - | - | - | -        | - | - | -                 | 0.41% (909 reads)     |
| A         | C | A | A | C | A | A | - | - | - | - | - | - | - | - | - | - | - | - | - | A | G | C | T | G | G        | T | C | T | A | C | C | G | A | G | A | A        | C | T | G                 | 0.35% (775 reads)     |
| A         | C | A | A | C | A | A | T | C | C | A | A | G | T | T | A | T | C | T | C | A | G | C | T | G | <b>A</b> | T | C | T | A | C | C | G | A | G | A | A        | C | T | G                 | 0.33% (726 reads)     |
| A         | C | A | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | A | G | C | T | G | G        | T | C | T | A | C | C | G | A | G | A | A        | C | T | G                 | 0.30% (665 reads)     |
| A         | C | A | A | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | A | G | C | T | G | G        | T | C | T | A | C | C | G | A | G | A | A        | C | T | G                 | 0.27% (591 reads)     |
| -         | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | -        | - | T | A | C | C | G | A | G | A | A | C        | T | G | 0.22% (479 reads) |                       |
| A         | C | A | A | C | A | A | T | C | C | A | - | - | - | - | - | - | - | - | - | A | G | C | T | G | G        | T | C | T | A | C | C | G | A | G | A | A        | C | T | G                 | 0.21% (462 reads)     |
| A         | C | A | A | C | A | A | T | C | C | A | A | G | T | T | A | T | C | T | C | A | G | C | T | G | G        | T | C | T | A | C | C | G | A | G | A | <b>T</b> | C | T | G                 | 0.20% (450 reads)     |
| A         | C | A | A | C | A | - | - | - | - | - | - | - | - | - | - | - | - | - | - | A | G | C | T | G | G        | T | C | T | A | C | C | G | A | G | A | A        | C | T | G                 | 0.20% (448 reads)     |