

0

Mutation Type Probability

1bp deletion

1bp insertion

>1bp deletion at repeats
(deletion length)>1bp insertion at repeats
(insertion length)Deletion with microhomology
(deletion length)

C

C

2

3

4

5+

2

3

4

5+

2

3

4

5+

0.18

0.12

0.06

0.00

0

1

2

3

4

5

+

0

1

2

3

4

5

+

0

1

2

3

4

5

+

0

1

2

3

4

5

+

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1

2

3

4

5

+

0

1

2

3

4

5

+

0

1

2

3

4

5

+

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1

2

3

4

5

+

0

1

2

3

4

5

+

0

1

2

3

4

5

+

Homopolymer length

Homopolymer length

Number of repeat units

Number of repeat units

Microhomology length