

A

SUIT-WT or NC

5'-GCTGTACCGATGGCCACACTGGG-3'

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3'-CGACATGGCTACCGGTGTGACCC-5'

NC_000015.10 100166-100188bp

SUIT-SC1

Mutation 1: Deletion of 2 bps

5'-GCTGTACCGATGGCCACTGGG-3'

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3'-CGACATGGCTACCGGTGACCC-5'

SUIT-SC1

Mutation 2: Insertion of 618 bps

5'-GCTGTACCGATGGCCAC-ACTGGG-3'

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3'-CGACATGGCTACCGGTG-TGACCC-5'

C

MIA-WT or NC

5'-GCTGTACCGATGGCCACACTGGG-3'

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3'-CGACATGGCTACCGGTGTGACCC-5'

NC_000015.10 100166-100188bp

MIA-SC1

Mutation 1: Insertion of 108 bps

5'-GCTGTACCGATGGCCAC-ACTGGG-3'

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3'-CGACATGGCTACCGGTG-TGACCC-5'

MIA-SC1

Mutation 2: Insertion of 2 bps

5'-GCTGTACCGATGGCCAC-ACTGGG-3'

|||||

3'-CGACATGGCTACCGGTG-TGACCC-5'

B

SUIT-WT or NC

5'-CCTGGAGGGACGTCCAGCACCTG-3'

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3'-GGA⁺CCTCCCTGCAGGTCGTGGAC-5'

NC_000015.10 105294-105316bp

SUIT-SC2

Mutation 1: Deletion of 1 bp

5'-CCTGGAGGACGTCCAGCACCTG-3'

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3'-GGA⁺CCTCCTGCAGGTCGTGGAC-5'

SUIT-SC2

Mutation 2: Deletion of 5 bps

5'-CCTGGAGTCCAGCACCTG-3'

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3'-GGA⁺CCTCAGGTCGTGGAC-5'

SUIT-SC2

Mutation 3: Insertion of 1 bp

5'-CCTGGA-GGGACGTCCAGCACCTG-3'

|||||

3'-GGA⁺CCT-CCCTGCAGGTCGTGGAC-5'

D

MIA-WT or NC

5'-CCTGGAGGGACGTCCAGCACCTG-3'

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3'-GGA⁺CCTCCCTGCAGGTCGTGGAC-5'

NC_000015.10 105294-105316bp

MIA -SC2

Mutation: Insertion of 1 bp

5'-CCTGGA-GGGACGTCCAGCACCTG-3'

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3'-GGA⁺CCT-CCCTGCAGGTCGTGGAC-5'