TB32047 Clones	Indel Size	PANC1 Clones	Indel Size
1-9	Delete 1bp	1-1	Delete 5 bp
2-9	Insert 1bp/ Delete 92bp	1-10	Insert 265bp
2-10	Delete 2bp/ Delete 26 bp	2-4	Delete 11 bp

TB32047-WT or NC

NC_000075.7   37155-37174bp

```
5'-   GAAGCGGCACGTCTGAGTGG   -3'
      | | | | | | | | | | | | | | | | | | | |
3'-   CTTCGCCGTGCAGACTCACC   -5'
```

TB32047-SC1-9

Mutation: Deletion of 1 bp

```
5'-   GAA-CGGCACGTCTGAGTGG   -3'
      | | | | | | | | | | | | | | | | | | |
3'-   CTT-GCCGTGCAGACTCACC   -5'
```

TB32047-WT or NC

NC_000075.7   24759-24778bp

```
5'-   GATATCTGATGTGCTAGAGG   -3'
      | | | | | | | | | | | | | | | | | | | |
3'-   CTATAGACTACACGATCTCC   -5'
```

TB32047-SC2-9

Mutation 1: Insertion of 1bp

```
5'-   GATAATCTGATGTGCTAGAGG   -3'
      | | | | | | | | | | | | | | | | | | | | |
3'-   CTATTAGACTACACGATCTCC   -5'
```

TB32047-SC2-10

Mutation 2: Deletion of 2bp

```
5'-   GATAT--GATGTGCTAGAGG   -3'
      | | | | | | | | | | | | | | | | | | |
3'-   CTATA--CTACACGATCTCC   -5'
```

TB32047-SC2-9

Mutation 3: Deletion of 92bp

TB32047-SC2-10

Mutation 4: Deletion of 26bp

PANC-1-WT or NC	
NC_000006.12	374-393bp

```
5'-    CGCCCTGCGCTACGATGCCA    -3'
       | | | | | | | | | | | | | | | | | | | |
3'-    GCGGGACGCGATGCTACGGT    -5'
```

PANC-1-SC1-1
Mutation: Deletion of 5 bp

```
5'-    CGCCCTGCGCTACGATG---    -3'
       | | | | | | | | | | | | | | | | |
3'-    GCGGGACGCGATGCTAC---    -5'
```

PANC-1-SC1-10
Mutation: Insertion of 256 bp

```
5'-    CGCCCTGCGCTACGATG-CCA    -3'
       | | | | | | | | | | | | | | | | | | | |
3-'    GCGGGACGCGATGCTAC-GGT    -5'
```

PANC-1-WT or NC
NC_000006.12 21295-21314bp

```
5'-    CCCACCACGACGTCCACAC    -3'
       | | | | | | | | | | | | | | | | | | |
3'-    GGGTGGTGCTGCAGGTGTG    -5'
```

PANC-1-SC2-4
Mutation: Deletion of 11 bp

```
5'-   C C C - - - - - - - - - - - C A C A C    -3'
      | | | | | | | | | | | | | | | | | | | | |
3'-   G G G - - - - - - - - - - - G T G T G    -5'
```