

CZ1223: *ihb323*

stk33

Target Position: exon 5

Sense Strand Sequence

```
aaacccaccctcattctgtccccattagtcagagctggagcgttggtttactgtcactaaa  
ggagaagaagcgcgtatgtaatacttcacctaatagcaggcctctttatgttgatatccag  
AAAATCTATTCCCTTCGGGAGGAAATTAGGTCAAGGCAGCTTTGGCGTTGTCTGCGAAGCC  
ACTCACATCGAGACGCAGAGGAAGTGGGCAATTAAGAAGGTGAACAAAGAGAAGgtaagt  
gtttgcttgatgatttcacctggtgacagaggtgatggatggagagcctctcgcgatggt  
cttcaaggacggggttaagtgtc
```

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : Cas9 target site

ihb323: 2bp insertion

>WT

```
CATCGAGACGCAGAGGAAGTGGGCAATTAAGAAGGTGAACAAAGAGAAGGTAAGTGTTC
```

> **ihb323**

```
CATCGAGACGCAGAGGAAGTGGGCAATTAGAAGAAGGTGAACAAAGAGAAGGTAAGTGTTC
```

```
WT          CATCGAGACGCAGAGGAAGTGGGCAATT--AAGAAGGTGAACAAAGAGAAGGTAAGTGTTC  
ihb323     CATCGAGACGCAGAGGAAGTGGGCAATTAGAAGAAGGTGAACAAAGAGAAGGTAAGTGTTC  
*****
```

```
WT          TGC  
ihb323     TGC  
***
```