



## *usp16*<sup>ihb448/+ (AB)</sup> (CZRC catalog ID: CZ1397)

### Nature of the mutation

12bp deletion and 5bp insertion, Between 145bp to 150 bp of the wild-type *usp16* coding sequence in exon5, GAAGCTCAGCTG is mutated to CCGCA.

### Sense Strand Sequence

igtggattttggatgttttcctctagtagtctgaagtaggcatgcttttgaagtaaaatggatctaagtgaatgaattctaacaatggttttg  
cctcaaacatgattattttcattataattctacagAAAGTTGGAAAGAAGACATCTCTGTGATGAATTCT  
GCAGAGCAAACGCAGGATGAAGAGAAAGGGAAGAAGGGGAAGCAGAAGAGCAG  
CTCGAAACAAGAGGACAGTCCTAAAAGCCATCAATCAGCCGCCGCTGGAAGCTCA  
GCTGTGGTGTCTGTCAGGGGTCTCAGTAATCTGGGAAACACGTGTTTCTTCAATGC  
AGTCGTGCAGgtcacagagtcagagtgaggagcgtacacatgacaacacaaactcttttactgtgagtaacaagctcttttc  
tttgtctccctctcagAGTTTATCACAGACACAGTATTTGAGGGAGCTGCTGAAGCAGATTG  
CAGAGGAGAAGAGCAGCTTCTCCATCACTCCAGCACTGTCATCTGAGCTGgtactgaag  
c

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg: Forward/Reverse primer

atcg: Crisper/cas9 target site

### Genotyping assay

#### Primers:

CZ1397\_forward:5'- TGTGGATTTTGGATGTTTTTC -3'

CZ1397\_reverse:5'- GCTTCAGTACCAGCTCAGAT -3'

#### PCR program:

95°C	5min	}	30 cycles
95°C	30sec		
58°C	30sec		
72°C	30sec		
95°C	10min		
4°C	hold		

Product size: 537bp

### Reference

None

