



## ***nsun2*<sup>ihb341/+</sup> (CZRC catalog ID: CZ1243)**

### **Nature of the mutation**

3bp deleted and 14bp insertion, Between 67bp to 69bp of the wild-type *nsun2* coding sequence, TGG is mutated into ATAACAGGATACAA in exon3.

### **Sense Strand Sequence**

ggcaaggtgcaaggaatcaatacaattaatgtatttcaagctcattgcaaaagcacaaggctgtatatattgatgaccttaattgcttttca  
ggggatttagttttcataattatgacctttattcttctcctctaatcagTCATGCCAAAGAAATCCTTCATACCCT  
TAAAGAGAAATACTTCAAGGA**GGTTCAAGATCTTGAGGTGGACGGGCAGAAAATT**  
GAGGCTCCTCAGCCATTAAGTTGgttaggactagttaaaaatgtggttatttttgaatatccatgcaaatctgtgt  
acaaagtacttcagacttgacttttagcctttccatgtcattgtagGTATCCTGATGAACTGGCATGGCATACAA  
ATCTGAGCAGAAAGATCCTCCGCAAATCTCCCCTTCTGGAGAAATTCCACCAGTTC  
TTGGTCAGCGAAACTGAATCGgtaaaaaaaaaacattgttcttttgc**actctctgtccgcttacac**

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

**atcg**: Forward/Reverse primer

**atcg**: Crisper/cas9 target site

### **Genotyping assay**

Primers:

CZ1243\_forward: 5'- GGCAAGGTTGCAAGGAAT-3'

CZ1243\_reverse: 5'- GTGTAAGCGGAACAGAGAGT-3'

### **PCR program:**

95°C 5min  
95°C 30sec }  
60°C 30sec } 30 cycles  
72°C 30sec }  
95°C 10min  
4°C hold

**Product size: 508p**

