



## ***nsun2*<sup>ihb340/+</sup> (CZRC catalog ID: CZ1242)**

### **Nature of the mutation**

1bp deleted and 9bp insertion, Between 100bp to 101bp of the wild-type *nsun2* coding sequence, A is mutated into GCATTTATG in exon3.

### **Sense Strand Sequence**

ggcaaggtgcaaggaatcaatacaattaatgtatttcaagctcattgcaaaagcacaaggctgtatatattgatgaccttaattgcttttca  
ggggatttagttttcataattatgacctttattcttctcctctaatcagTCATGCCAAAGAAATCCTTCATACCCT  
TAAAGAGAAATACTTCAAGGAGGTTCAAGATCTTGAGGTGGACGGGCAGAAAATT  
GAGGCTCCTCAGCCATTAAGTTGgttagactagttaaaaatgtggttatttttgaatatccatgcaaatctgtgtt  
acaaagtacttcagacttgacttttagcctttccatgtcattgtagGTATCCTGATGAACTGGCATGGCATACAA  
ATCTGAGCAGAAAGATCCTCCGCAAATCTCCCCTTCTGGAGAAATTCCACCAGTTC  
TTGGTCAGCGAAACTGAATCGgtaaaaaaacattgttcttttgcactctctgtccgcttacac

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg: Forward/Reverse primer

atcg: Crisper/cas9 target site

### **Genotyping assay**

Primers:

CZ1242\_forward: 5'- GGCAAGGTTGCAAGGAAT-3'

CZ1242\_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**

