



sox2^{ihb451/+ (AB)} (CZRC catalog ID: CZ1399)

Nature of the mutation

4bp deletion, Between 153bp to 157bp of the wild-type *sox2* coding sequence, ACAG is deleted in exon1.

Sense Strand Sequence

TCCAACTGCTAAGGTA**ACT**TCAGCAGCCTCTCCACACACTTTTTGGACTTCTTTATT
TTTTATTTTACGGCTGGTGGGGTAGACTTTCGAGAAAATCGGTTTAA**ATG**TATAAC
ATGATGGAAACCGAGCTGAAGCCCCCGCGCCCCAGCCCAACACCGGGGGCAG
GGGAACACCAACTCCTCGGGAAACAACCAGAAAAACAGCCCGGACCGCATCAAG
AGACCCATGAACGCCTTCAT**GGTGTGGTCGAGGGGACAG**CGGCGGAAAATGGCAC
AGGAGAACCCCAAATGCACAATTTCGGAAATAAGTAAGCGACTCGGGGCCGAGTG
GAAACTTCTGTCCGAGAGCGAGAAGCGACCATTTCATCGACGAAGCCAAACGCCTT
CGGGCTCTGCACATGAAGGAACACCCGGATTACAAATACAGACCCCGGAGGAAAA
CCAAGACCCTGATGA**AGAAGGACAAGTACACCCT**

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg: Forward/Reverse primer

atcg: Crisper/cas9 target site

Genotyping assay

Primers:

CZ1399_forward:5'- tccaactgctaaggtaact -3'

CZ1399_reverse:5'- AGGGTGTACTTGTCTTCT -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: 476bp

Reference

None

