



***cyp11a2*^{ihb317/+*(AB)*} (CZRC catalog ID: CZ1217)**

Nature of the mutation

7bp of "TGGATCA" insertion from position 650bp exon1 of wild-type *cyp11a2* coding sequence.

Sense Strand Sequence

gtgtttagaaataggtaggctctattgcactgtcttcagtgttcattgcccttgacacgtacagtgatctggcatataaaaacaaaagt
cttctttcagtggtctgctAGAGGCAGAGACAGAGAGAGAGTGAATGGCCCGCTGGAGTCTGT
CGGCCCGTCTGGATCAGTCTGTGTCTTCACTGAAACACCTGCTGCAGGTCATAGTC
ACTCGCTCAGGCCGAGCACCTGCAATCGGACTGCAAGACTCCACTGTACGGCCAT
TCAATGAGATCCCTGGACAATGGAGGAACAGCCTGAAAAGTGTCTTTGCCTTCGC
CAAATGGGTGGCCTCAGGAATATCCACCGGATTATGGTGCACAATTTAATACATT
TGGTCCGATTTACAGgtaacaagacacttaaaaactttttttaagtaatctttttatttataaaatcaagaacaagtattgt
gtatctccagtttgctgctcgaggactgctc

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg: Forward/Reverse primer

atcg: Crisper/cas9 target site

Genotyping assay

Primers:

CZ1217_forward: 5'-gtgtttagaaataggtagg-3'

CZ1217_reverse: 5'-gaagcagtcctcgagcagac-3'

PCR program:

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

Product size: 500bp

