



***cyp11a2*^{ihb318/+ (AB)} (CZRC catalog ID: CZ1218)**

Nature of the mutation

17bp of "CTGGAGTCTGTCGGCCC" deletion from position 633bp exon1 of wild-type *cyp11a2* coding sequence.

Sense Strand Sequence

gtgtttagaaatatgggtaggctctattgcactgtcttcagtgttcattgcccttgacacgtacagtgatctggcatataaaaacaaaagt
cttctttcagtggtctgctAGAGGCAGAGACAGAGAGAGAGTGAATGGCCCGCTGGAGTCTGT
CGGCCCGTCTGGATCAGTCTGTGTCTTCACTGAAACACCTGCTGCAGGTCATAGTC
ACTCGCTCAGGCCGAGCACCTGCAATCGGACTGCAAGACTCCACTGTACGGCCAT
TCAATGAGATCCCTGGACAATGGAGGAACAGCCTGAAAAGTGTCTTTGCCTTCGC
CAAATGGGTGGCCTCAGGAATATCCACCGGATTATGGTGCACAATTTAATACATT
TGGTCCGATTTACAGgtaacaagacacttaaaaactttttttaagtaatctttttatttataaaatcaagaacaagtattgt
gatatccagtttgtctgctcaggactgctc

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg: Forward/Reverse primer

atcg: Crisper/cas9 target site

Genotyping assay

Primers:

CZ1218_forward: 5'-gtgtttagaaatatgggtagg-3'

CZ1218_reverse: 5'-gaagcagtcctcgagcagac-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: 500bp

