



***grip2a*^{ihb465/+ (AB)} (CZRC catalog ID: CZ1416)**

Nature of the mutation

7bp deletion, Between 95bp to 102bp of the wild-type *grip2a* coding sequence, CAGGCCG is deleted in exon8.

Sense Strand Sequence

CTGGAAAGCCTCTGATCATCTCTGAGATACAGAAAGGCAGCATTGCTCACAGgtacac
ctgcaaacagcacaatacacctttattagacctgctgctttgaagtgaagtggattgatatgagggctctgattggctgttgatgtgaa
atgaccctttctaataagAATAGGAACCCTGGAGCCTGGAGATCGGCTGCTGGCCATTGATAAC
GTCCGACTGGATAACTGTGGGATGGAGGAGGCCATGAT**GGTCCTCCAGCAGGCCG**
AGGGGATGGTCAAACCTGCGGATCCAGAAAGATGAAGACAACCTGGgtcagagtgtgtgcgt
gtgtgcatgtccagtcgttggcatgtgcatttgtgtgattgcgtgtgcacatgtgtctgttgtgtgtctgtgtgcgcgatgcaattctgtg
catgtctgttgcattgacatacatgctgt**gtgtgtgtgttgtgcgtgt**

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg: Forward/Reverse primer

atcg: Crisper/cas9 target site

Genotyping assay

Primers:

CZ1416_forward:5'- CTGGAAAGCCTCTGATCATC -3'

CZ1416_reverse:5'- ACACGCACAAACACACACAC -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: 475bp

Reference

None

