



park7^{ihb458/+ (AB)} (CZRC catalog ID: CZ1409)

Nature of the mutation

1bp deletion, Between 9bp to 10bp of the wild-type *park7* coding sequence, T is deleted in exon3.

Sense Strand Sequence

acaagcaaatgttcattgttttcttctgtttatatacacatgcagaatgtcaaatattctgagggagttcagtttaattgagttgcttc
athtaataaacaatatttctaatgaatttcaatggtaataagtattctaatacagtagtaaccaatatggtttatgtcagttgtcatgtcatt
ttcttctaaacagGGTCCA**TATGACGTTGTTCTTCTGCC**TGGAGGTTTGCTTGGAGCCCAG
AACCTTTCTGAGgtacaatctgtttaattatgcatgtttacagtagagtgagttccataggagagctcttacgccattcagat
ctacataaggttatgagtgctcacaatcaacagaaaacatctttgagtcactgccgaggttagaaacacggtcgattgtgaaacgc
aaacattgcgaattatgaaattgaagcagtggtgtgacagttgttctgtagtgcgtcatatacatataagtgtgtgtgcatgtgtgtgt
gtagTCTCCTGCTGTGAAA**GAGGTGTTGAAGGACCAG**

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg: Forward/Reverse primer

atcg: Crisper/cas9 target site

Genotyping assay

Primers:

CZ1409_forward:5'-ACAAAGCAAATGTTTCATGA-3'

CZ1409_reverse:5'-CTGGTCCTTCAACACCTC-3'

PCR program:

95°C	5min	}	30 cycles
95°C	30sec		
59°C	30sec		
72°C	30sec		
95°C	10min		
4°C	hold		

Product size: 567bp

Reference

None

