



***park7*^{ihb457/+ (AB)} (CZRC catalog ID: CZ1408)**

Nature of the mutation

2bp deletion, Between 33bp to 35bp of the wild-type *park7* coding sequence, AG is deleted in exon2.

Sense Strand Sequence

atctttctgtctggctctggccatcattactatagtgaatactatagtatttactggaatatagcaatttggttctagtcataaattatgtctc
atgcatgttacatttaatttacaattcaataaatatcaataagcagagtgtttgcctttctctagATCGCTGTTACTGTCTG
CA**GGTCTGGCAGGTAAAGAGC**CGGTTCAGTGCAGCCGTGAGGTCATGATCTGCC
AGACTCCAGCCTGGAGGACGCACACAAACAGgtctgactttacattataagtacctgcttatctaaatttta
caatttagtgaactcttaagtagttctgcacaatactgggaaaatatgcaatat**ttgtgtgagtggtgca**

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg: Forward/Reverse primer

atcg: Crisper/cas9 target site

Genotyping assay

Primers:

CZ1408_forward:5'- ACAAAGCAAATGTTTCATGA -3'

CZ1408_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: 387bp

Reference

None

