



lipf^{ecn5/+} (CZRC catalog ID: CZ1552)

Nature of the mutation

Between the 39bp and 43bp of the wild-type *lipf* coding sequence, CTGGA is deleted in exon 2.

Sense Strand Sequence

ACAAGGATTTTGCTGCACCTTGTGTTTTTATGGTATGCTTACTTTAGAGTCAAAGGTGCATATTGGGC
AACATGTGAACTGATTGCTGCAAAGATAACCATATAGCTTTTAACTATTTGTATAGTGTGTGTTGAG
ATATTCTGTATGTTTTTTTTTtctgcattcaacagaaagatgtcatggctgggtgtgtctttggaatacttacatctggactg
gttcagatggccagtcggctcggatgggacaggattggacccgaagttaacatgaacattgtaagtatatagcctgtaatatga
cacatttaggcaaattgagtgctaacttattatgcaataagttcaggtttgccctttgtgg

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

Genotyping assay

Primers:

*lipf*_forward: 5' ACAAGGATTTTGCTGCACCTT 3'

*lipf*_reverse: 5' ccacaaaagggcaaacctga 3'

PCR program:

95°C	5min	} 30 Cycles
95°C	30 sec	
58°C	30 sec	
72°C	30 sec	
72°C	8min	
4°C	hold	

Product size: 379 bp

lipf (-5bp)

>WT

ATGTTATGGCTGGTGTGTTGTCTTTGGTAATACTTACATCTGGACTGGTTCAGTATGGA





国家水生生物种质资源库国家斑马鱼资源中心
China Zebrafish Resource Center (CZRC)
National Aquatic Biological Resource Center (NABRC)

CAGTCG

> lipf (-5bp)

ATGTTATGGCTGGTGTGTTGTCTTTGGTAATACTTACAT-----

CTGGTTCAGTATGGACAGTCG

Reference:

None

