



elov15^{ihb333/+} (CZRC catalog ID: CZ1235)

Nature of the mutation

8bp deletion, Between 17bp to 24bp of the wild-type *elov15* coding sequence, GGTGGTAT is deleted in exon5.

Sense Strand Sequence

gacacgagtattcagaggacacataacacagcagaggtgccttagacttctaattgcattttgtaataacgtgatgaaatgattctt
gcatgtgcttatgtctgcctcagATGATGAATGTCCTGTGGTGGTACTTCTCCAAAGCTCATCG
AGTTCATGGACACCTTCTTCTTCATCCTGAGGAAAAACAACCACCAGATCACGTTC
CTGCACGTGTATCATCACGCCACCATGCTCAACATCTGGTGGTTCGTCATGAACTG
GGTGCCGTGTGGACACTgtgagtctgaaggagcttatggtgcagtta

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg: Forward/Reverse primer

atcg: Crisper/cas9 target site

Genotyping assay

Primers:

CZ1235_forward: 5'- GACACGAGTATTCAGAGGAC -3'

CZ1235_reverse: 5'- TAAACTGCACCATAAGCTCC -3'

PCR program:

95°C	5min	} 30 cycles
95°C	30sec	
55°C	30sec	
72°C	30sec	
95°C	10min	
4°C	hold	

Product size: 319p

Reference:





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)

Liu C , Ye D , HP Wang, et al. Elovl2 But Not Elovl5 Is Essential for the Biosynthesis of Docosahexaenoic Acid (DHA) in Zebrafish: Insight from a Comparative Gene Knockout Study[J]. Marine Biotechnology, 2020, 22(5):613-619.

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