



***pnpla2*^{ecn8/+} (CZRC catalog ID: CZ1555)**

Nature of the mutation

Between the 70bp and 75bp of the wild-type *pnpla2* coding sequence, GGAGT is deleted in exon 1.

Sense Strand Sequence

AAGTTCGGTTCACACCCGAG AAGCTCCTGTCAGTGTTTGGTTGTCACCTTTGGAAA
CTTTTTAAACGCGAAACGACGGTGTTTATGCGACCAGAAGCTCTCGCGAATGTCAT
GTATGGATCAACCGTTATGTGTCAAGCGCGCGACACAGTGTAACGAAAGTGATTC
TGTAATAATCCAGAAGGATTTGTTGACTTTACCCAAAGATTATCATCATGTTCCCACT
GGACTCCCCGTGGAATATTTTCGTTTCGCAGGCTGTGGTTTTCTGGGTATTTATCACAT
CGGAGTGGCCAGCTGTCTACAGGAGCACGCGCCGTTTCTGGTCGAGAACGCGCGT
CATATTTACGGCGCGTCCGCGGGCGCGCTCACGGCCTCCGCGCTGGTCACCGGAG
CCTGTTTAGgtaaactcacgctgttatgtagcaaatatgtgttttaaatgattaacaatgtccatgtggttttagcagttattattaagt
ttattcgcgatgtaaatgtaggtattctttgattagagaataatttaagaagcgcaatgtgtttcatgaca

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

Genotyping assay

Primers:

*pnpla2*_forward: 5' AAGTTCGGTTCACACCCGAG 3'

*pnpla2*_reverse: 5' AGCGCAATGTGTTTTTCATGACA 3'

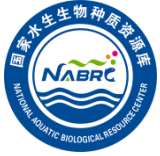
PCR program:

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

Product size: 556 bp

***pnpla2* (-5bp)**





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)

>WT

TATTTTCGTTTCGCAGGCTGTGGTTTTCTGGGTATTTATCACATCGGAGTGGCCAGCTG
TCTACAGGAGCA

>pnpla2 (-5bp)

TATTTTCGTTTCGCAGGCTGTGGTTTTCTGGGTATTTATCACATCGGCCAGCTGTCTAC
AGGAGCA

Reference:

None

