



npas4b^{ihb571/+} (CZRC catalog ID: CZ1551)

Nature of the mutation

Between the 313bp and 319bp of the wild-type *npas4b* coding sequence, CACCTGG is deleted in exon 2.

Sense Strand Sequence

TGTCTTTGCCAGAGCTCTCGGATCTCTTACACACTCCCAGGATTTCCTAGTGCTGACAAG
TGAAGGAAAACCTTCTGTATCTGTCGGACAATGTCGCAGAGCACCTGGGTCATTCCATGgtgaggagc
atcagtgcataatfaacatfaattttattfattaattgtatgtgaaactaaatgtatgtttcttcagGTGGATCTAGTGGCTCAGAGTGACA
GCGTGTATGATATTATAGACCCGGTTGATCACTTCATCATGAGGGGCAACCTTGTGCCAATCACC
ACACCTGACACAGgtactttcaAATAGAACCACTCAGGATTATTGCATTCTTAAAATAGGTAGTGATC
AGCAAGTAAAATTTACCTATGAAGAGTACTTGATTATTGTTTTGAAATGACCAAACATTATATT
GAATTATGCTACAAAGTAATGTCTAAAGTCATAACAATTCAGCATTGATGTAAAAACACTTTTA
TTATTTGttttgtccagACCGCCTCTTTC

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

Genotyping assay

Primers:

*npas4b*_forward: 5' tgtctttgccagagctctcg 3'

*npas4b*_reverse: 5' gaaagaggcggctctggacaa 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: 517 bp





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)

npas4b(-7bp)

>WT

ACTTCTGTATCTGTCGGACAATGTCGCAGAGCACCTGGGTCATTCCATGGTGAGGAGCATCAGTGCATA
TTTAACATTAATTTTATTTAT

>npas4b

ACTTCTGTATCTGTCGGACAATGTCGCAGAGGTCATTCCATGGTGAGGAGCATCAGTGCATATTTAACAT
TAA TTTTATTTAT

Reference:

None

