



## *anxa2a*<sup>ihb583/+</sup>; *anxa2b*<sup>ihb586/+</sup> (CZRC catalog ID: CZ1381)

### Nature of the mutation

1bp deletion, The 82bp of the wild-type *anxa2a* coding sequence, T is deleted in exon6.

1bp deletion, The 74bp of the wild-type *anxa2b* coding sequence, A is deleted in exon5.

### Sense Strand Sequence

#### *anxa2a* :

acattctagctctcatgcatc aaatactggtactattcatcaaatactgtactccttgataaatactagtagttattc  
ctctagtattcatccatggtttgtatcaagatgatcatcaagtttctcaaacgcacattatctgtgtgttttcagGGTC  
TTGGAACAGACGAAGAGTCTCTGATTGAGATCCTCTGCTCTCGAAGC  
AATGCTGAGATCATGGAGATCAAGAAAGTCTACAGGGAATgtgagtatggca  
gtgtttaaatgcactattaagggggtttgtacctgagatataaccgtgtgtttcatcacagTGTTCAAGAAG  
GAATTGGAGAAGGATGTGGCTGGAGATACTTCAGGGGACTTTGCCAA  
ACTCCTGCTTGCTCTTGTTGAGgtcagtagcattttgcactttaactagtataaccattaaga  
agtgaactaagatgctaactttttgcttatcattgtaactctcagGCCAAAAGAGAGCAGTCTA  
GCTCCGTTATTGACTACCAGAGAATTGATGAAGATGCCAGAgtaagtcc

#### *anxa2b* :

tcgttctgacctcaaacttttgaataagtgaattgtatatattgtgaagctcattcaattgtacacaattgtgctt  
taatggtgggaaagagtagttgacatctgtagaattagttggctatacaagttggcactgtcactgacattagttat  
attgattaactacatggtgttttacagGGTCTGGGTACCGATGAAGAGAGTCTGATTGA





GATGGTGTGTTCCCGCAATAAAGAGGGAGCTGGCGGAAATCAAGAAGG  
TTTACAAAGAAAgtagtgacactgggcttagaaaacataaaacatgcagacactggtgttcattcat  
ctactgtttttccagTGTTTAAGAAGGACTTGGAGAAAGATATTTCTGGAGAC  
ACATCTGGAGATTTTGC GAAGCTGCTACTGGCCCTTGACACAGgtagatcaa  
aaacattaaaacaataaatgcatataacagttttttttattgtaactctaattaaagtataattcacccaaatattta  
aagctgcagtatgtgagttgaca

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg: Forward/Reverse primer

atcg: Crisper/cas9 target site

### Genotyping assay

#### Primers:

ihb583-forward: 5' ACATTCTAGTCCTCATGCATC 3'

ihb583-reverse: 5' GGA CTTACTCTGGCATCTTC 3'

ihb586-forward: 5' TCGTTCTGACCTCAA A CTTT 3'

ihb586-reverse: 5' TGTCAA A CTACATACTGCA 3'

#### PCR program:

95°C	5min	}	30 cycles
95°C	30sec		
58°C	30sec		
72°C	30sec		
95°C	10min		
4°C	hold		

**Product size of *ihb583* is 564bp**

**Product size of *ihb586* is 552bp**





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)

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## Reference

None

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