



***cry2*^{zju132/+} (CZRC catalog ID: CZ1491)**

Nature of the mutation

In the 747bp of the wild-type *cry2* coding sequence, T is inserted in exon 5.

Sense Strand Sequence

caaggctcgatattggaccgtctattattttgttaagtacatctattagtaactgtattatccaaatcgaacatccactttcataatttctaaa
aattcaccatttaacttaaccattatgcttacacatcactagatcactaccaatggaaaagaacaacttacCTTCATAAATAG
ATCCCGCAGATTGTAGTAAACACGCGACATGACAGACAACCGAATCGTA**GGTA**
GGGGCTAAGTCCAGTTGGGCTTGGGAACAGTGACTGACCGGATATTCTAGGCCTC
TCAAATTTGCTACCCAGGCctgcaaaaaacaacatgattaaatcaaagtaaactcaaaattactctaagtaaatca
aattaaagatttccttaaaaaataatcaattgattttaaacatgcaggcaacattttattagtaataactttaaaaaaattaagcaagcatttctt
ttgtcatcagtcactataaaacgtgctcctaaaagatgcaactca**taaacagctccatgtcttac**

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

Genotyping assay

Primers:

***cry2*_forward:** 5' caaggctcgatattggaccgt 3'

***cry2*_reverse:** 5' gtaagacatggagactgt 3'

PCR program:

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

Product size: 534 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)

The sequencing results of the CZ1491:

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WT          AGGGGCTAAGTCC-AGTTGGGCTTGGGAACAG  
cry2       AGGGGCTAAGTCCAAGTTGGGCTTGGGAACAG  
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Reference:

None

