

pparg^{ecn6/+} (CZRC catalog ID: CZ1553)

Nature of the mutation

Between the 16bp and 48bp of the wild-type *pparg* coding sequence, ACGTTTGGCTGGCCCGTGGGCTTCGGCCTGAGC is mutated to ACGCAGACGTTTGGCTGGCCCGTGGGCTTCGGCTGAG in exon 2.

Sense Strand Sequence

ttgtgtattttcgggtgtgtttattcgattttctctgtgtgttcgtagATATGGTGGACACGCAGACGTTTGGCTGGCCCGTGGCTTCGGCCTGAGCGCTCTGGAACTGGAGGAGCTGGAGGACGACACGCACTCGCTGGACATCAAGCCCTTCTCCACGCTCGACTACAGCAGCATATCAGGCATCGACTACGAGAACAACCCAACACAGAATGACCCAACCCCGCACATGATGGACCTGACGCACATGTACAGCTTACAGGACACAGGAGAACTACAGGACACACGAGCCCATCTACAG

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

Genotyping assay

Primers:

*pparg*_forward: 5' TTGTGTATTTTTGCGGTGTT 3'

*pparg*_reverse: 5' CTGTAGATGGGCTCGTGTGT 3'

PCR program:

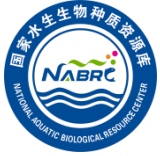
95°C	5min	} 35 Cycles
95°C	30 sec	
58°C	30 sec	
72°C	30 sec	
72°C	8min	
4°C	hold	

Product size:312 bp

pparg(-33,+37bp)

>WT





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)

ATGCTGCACAGGCGCTTCAGTGTTTCAGAAAGCTTCACTCTCCGCTGATATGGTGGA
CACGTTTGGCTGGCCCGTGGGCTTCGGCCTGAGCGCTCTGGAAGTGGAGGAGCTG
GAGGACGACACGCACTCGCTGGACATCAAGCCCTTCTCCACGCTCGACTACAGCA
GCATATC

> pparg(-33+37bp)

ATGCTGCACAGGCGCTTCAGTGTTTCAGAAAGCTTCACTCTCCGCTGATATGGTGGA
CACGCAGACGTTTGGCTGGCCCGTGGGCTTCGGCTGAGGCTCTGGAAGTGGAGGA
GCTGGAGGACGACACGCACTCGCTGGACATCAAGCCCTTCTCCACGCTCGACTAC
AGCAGCATATC

Reference:

None

