



## *ucp1*<sup>ecn7/+</sup> (CZRC catalog ID: CZ1554)

### Nature of the mutation

Between the 251bp and 255bp of the wild-type *ucp1* coding sequence, CCTAC is deleted in exon 2.

### Sense Strand Sequence

GGAGAAAGCGGTGACAGGAGCCGCTAAAGGCATCCGCTACAAAGGTGTTTTCGGGACCATCA  
GCACCATGATGAGGACGGAGGGTCCGCGCTCGCTCTACAACGGCCTGGTCGCCG **GCCTACAGA**  
**GACAGATGGCC**TTCGCCTCCATCCGCATTGGCCTCTACGACAACGTCAAGAG **CTTCTACACGCG**  
**TGGAAAAGAC**

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

**atcg** : Forward/Reverse primer

**atcg** : cas9 target site

### Genotyping assay

#### Primers:

*ucp1*\_forward: 5' GGAGAAAGCGGTGACAGGAG 3'

*ucp1*\_reverse: 5' GTCTTTTCCACGCGTGTAGAAG 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: 199 bp

#### *ucp1*(-5bp)

>WT

AGGACGGAGGGTCCGCGCTCGCTCTACAACGGCCTGGTCGCCGGCCTACAGAGAC  
AGATGGCC

> *ucp1*(-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)

AGGACGGAGGGTCCGCGCTCGCTCTACAACGGCCTGGTCGCCGG-----  
AGAGACAGATGGCC

**Reference:**

None

