

slc20a1b^{smu07/+} (CZRC catalog ID: CZ1515)

Nature of the mutation

In the 144 bp of the wild-type *slc20a1b* coding sequence, C is mutated to A in exon 2.

Sense Strand Sequence

ATTATGAGCACCCCTCGTCGGGTATACTACAGGGCATCTGACAGACTATATGTGGCTC
CTGATCGTAGGCTTCATCATAGCATTTGTCTTGGCCTTTTCAGTGGGCGCTAATGAC
GTTGCCAACTCATTTCGGTACGGCAGTAGGCTCAGGTG TAGTTACCCTTAGGCAGGC
CT

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : Crispr/cas9 target site

Genotyping assay

Primers:

slc20a1b _forward: 5' ATTATGAGCACCCCTCGTCGG 3'

slc20a1b _reverse: 5' AGGCCTGCCTAAGGGTAACTA 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	

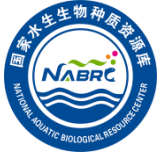
Product size: 172 bp

slc20a1b(C>A)

WT

GTATACTACAGGGCATCTGACAGACTATATGTGGCTCCTGATCGTAGGCTTCATCA
TAGCATTGTCTTGGCCTTTTCAGTGGGCGCTAATGA GTTGCCAACTCATTTCGG
TACGGCAG





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)

mutant

GTATACTACAGGGCATCTGACAGACTATATGTGGCTCCTGATCGTAGGCTTCATCA
TAGCATTGTCTTGGCCTTTTCAGTGGGCGCTAATGAAGTTGCCAACTCATTCCG
TACGGCAG

Reference:

None

