
***slc30a10*^{zju12/+} (AB) (CZRC catalog ID: CZ498)**

Nature of mutation

Zju12 allele was a mutant line, induced by the CRISPR-cas9 in the AB genetic background. 10 bp deleted in Exon 1 (detailed information: <http://zfin.org/ZDB-ALT-171018-2>)

Genotyping assay

Primers:

Zju12_forward: 5' ACTCCTTCAACATGCTGTCGGACA3'

Zju12_reverse: 5' AGCACCTGTTTCCACCTGCT 3'

PCR program:

| | | |
|------|--------|-------------|
| 94°C | 4min | } 30 Cycles |
| 94°C | 30 sec | |
| 55°C | 30 sec | |
| 72°C | 30 sec | |
| 72°C | 5min | |
| 4°C | hold | |

Product size: 383 bp

reference

Xia, Z., Wei, J., Li, Y., Wang, J., Li, W., Wang, K., Hong, X., Zhao, L., Chen, C., Min, J., Wang, F. (2017) Zebrafish *slc30a10* deficiency revealed a novel compensatory mechanism of *Atp2c1* in maintaining manganese homeostasis. *PLoS Genetics*. 13:e1006892