

***Myo7a*^{ihb222/+} (AB) (CZRC catalog ID: CZ398)**

Nature of mutation

Ihb222 allele was a mutant line, induced by the CRISPR-cas9 in the AB genetic background. Between 216 bp to 223 bp of the wild-type *myo7a* coding sequence, GCTGGGGG, is mutated into A. The mutated *myo7a* codes for a truncated protein containing 73 aa, 72 aa of which is identical to wildtype *myo7a*.

Genotyping assay

Primers:

Ihb222_forward: 5' GTATTGAATCTGAAATGGTTGC 3'

Ihb222_reverse: 5' TAAACTGCATGTAATCTAACGTCA 3'

PCR program:

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

Product size: 493 bp