
slc39a9^{zju14/+} (AB) (CZRC catalog ID: CZ139)

Nature of mutation

Zju14 allele was a mutant line, induced by the CRISPR-cas9 in the AB genetic background. Between 143 bp to 149 bp of the wild-type *slc39a9* coding sequence, GCACTGC, is deleted. The mutated *slc39a9* codes for a truncated protein containing 51 aa, 47 aa of which is identical to wildtype *slc39a9*.

Genotyping assay

Primers:

Zju14_forward: 5' GGATTGAACGTGAGATTGGC 3'

Zju14_reverse: 5' CATGGCAACACTTGTAC 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: 458 bp