

***Socs1a*^{ihb29/+} (AB) (CZRC catalog ID: CZ91)**

Nature of the mutation

The *ihb29* allele contains a insertion of a cytosine between the 314 bp and 315 bp of the wildtype *socs1a* coding sequence

The mutated *socs1a* codes for a protein containing 118 aa, in which only the sequence of the first 22 aa is identical to wildtype *socs1a*.

Genotyping assay:

Primers:

*Ihb29*_forward: 5' AGTGTTGTTCTTGCTTTTC 3'

*Ihb29*_reverse: 5' CATCTTCCATAATCTGTCTC 3'

PCR program:

94°C	4min	
94°C	30 sec	} 30 Cycles
56°C	30 sec	
72°C	30 sec	
72°C	5min	
4°C	hold	

Product size: 625 bp:

Digestion of the PCR product with the *StuI* restriction enzyme:

PCR Product	Product digestion	DNA fragments after digestion (bp)
AB	unaffected	625
<i>Ihb29</i> allele	affected	465&160