

***Socs2*^{ihb30/+} (AB) (CZRC catalog ID: CZ92)**

Nature of the mutation

The *ihb30* allele contains a deletion from bp24 to 36 of the wildtype *socs2* coding sequence, CACGGAAAGCATC, is deleted. The mutated *socs2* codes for a protein containing 31 aa, in which only the sequence of the first 8 aa is identical to wildtype *socs2*.

Genotyping assay:

Primers:

Ihb30_forward: 5' GCACTCTGAATGTTCTTC 3'

Ihb30_reverse: 5' CTACACAACATGAACTCAG 3'

PCR program:

94°C	4min	} 30 Cycles
94°C	30 sec	
50°C	30 sec	
72°C	30 sec	
72°C	5min	
4°C	hold	

Product size: 490 bp:

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

PCR Product	Product digestion	DNA fragments after digestion (bp)
AB	unaffected	490
<i>Ihb30</i> allele	affected	310&180