

***socs1a*<sup>ihb33/+</sup> (AB) (CZRC catalog ID: CZ94)**

**Nature of mutation**

*ihb33* allele was a mutant line, induced by the TALEN in the AB genetic background. C66 of the wild-type *socs1a* sequence is deleted. The mutated *socs1a* codes for a protein containing 63 aa, in which only the sequence of the first 22 aa is identical to wild-type *socs1a*.

**Genotyping assay**

**Primers:**

Ihb33\_forward: 5' AGTGTTGTTCTTGCTTTTC 3'

Ihb33\_reverse: 5' CATCTTCCATAATCTGTCTC 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: 625 bp:**

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

PCR Product	Product digestion	DNA fragments after digestion (bp)
AB	unaffected	465 and 160
<i>Ihb33 allele</i>	affected	625

**The sequencing results of the parents:**

CZ94 (+/-) ATCGCCAAGTGAGCACTGAGGCGTCCTCAGACGTC (wild-type)

