

## Supplementary tables

**Table S1.** Primers used in this study.

Primers	Sequence (5'-3')	Amplicon size	Reference
<i>Lv</i> SOCS6-F1	CTTTGGCCATGTCTTGCGGTGAA	1465 bp	Present study
<i>Lv</i> SOCS6-R1	TGCAACCTCACTTCTTCAGGGTCA		
<i>Lv</i> SOCS7-F1	AACTTCCAGACTTGTGGGTGAGG	2994 bp	Present study
<i>Lv</i> SOCS7-R1	CCTAGCATAGGTTACAGCACTCCAT TAC		
<i>Lv</i> SOCS6-qRT-F	TATTCCCGAGCCCGTG	126 bp	Present study
<i>Lv</i> SOCS6-qRT-R	CACGAGTGTACTGTCTGA		
<i>Lv</i> SOCS7-qRT-F	AGTGCCAGTAGATGTAGTGAAG	154 bp	Present study
<i>Lv</i> SOCS7qRT-R	ACTACTCACTCTCTTGGA		
<i>Lv</i> STAT-qRT-F	GCTGCCAACTCTCAATCCCACA	115 bp	Present study
<i>Lv</i> STAT-qRT-R	TGCTGTGAAGCGTGTGTTTGTCT		
<i>Lv</i> -EF1A-F	TCGCCGAACTGCTGACCAAGA	124 bp	<a href="https://doi.org/10.3389/fimmu.2021.634152">https://doi.org/10.3389/fimmu.2021.634152</a>
<i>Lv</i> -EF1A-R	CCGGCTTCCAGTTCCTTACC		

**Table S2.** The sequence homologies of *LvSOCS6/ LvSOCS7* in relation to other SOCS6/SOCS7 proteins.

Species	Identity with <i>LvSOCS6</i> (%)
<i>Eriocheir sinensis</i>	69.3
<i>Oncorhynchus mykiss</i>	51.0
<i>Mus musculus</i>	48.0
<i>Homo sapiens</i>	47.4
<i>Danio rerio</i>	46.0
<i>Xenopus tropicalis</i>	45.5
<i>Gallus gallus</i>	43.9
<i>Tribolium castaneum</i>	33.5

  

Species	Identity with <i>LvSOCS7</i> (%)
<i>Chionoecetes opilio</i>	55.2
<i>Danio rerio</i>	26.8
<i>Gallus gallus</i>	22.8
<i>Xenopus tropicalis</i>	22.5
<i>Zeugodacus cucurbitae</i>	20.1
<i>Ceratitis capitata</i>	19.0
<i>Oncorhynchus mykiss</i>	18.0
<i>Homo sapiens</i>	15.7
<i>Mus musculus</i>	15.4