

Modulation of the Tissue Expression Pattern of Zebrafish CRP-like Molecules Suggests a Relevant Antiviral Role in Fish Skin

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Supplementary Materials

Summary:

Table S1: qPCR primer sequences for zebrafish genes and SVCV *n*

Figure S1: Expression modulation of *mxa-g* in skin from *rag* mutant zebrafish in response to SVCV infection.

Table S1. qPCR primer sequences for zebrafish genes and SVCV *n*.

Gene	Sequence (5'-3')	Accession Number	Reference
<i>ef1a</i>	Fw: CCACGTCGACTCCGGAAA Rv: CGATTCCACCGCATTGTAGA	AY422992.1	[23]
<i>crp1</i>	Fw: GCCTACCAGAACACCCGACT Rv: GCAGGTTGAAAAACGCC	XM_693995	[25]
<i>crp2</i>	Fw: TCTTCTGTTCCCGACTG Rv: GGATGATCTCCCTTTGG	XM_005162877	[25]
<i>crp3</i>	Fw: ATCCCAGTTATGTTCAAATCG Rv: AGCAGCTCCAACCTG	XM_017353794	[25]
<i>crp4</i>	Fw: GAAAAGTGCTTCTGTTACAG Rv: CGAACAAAGATGACTTCCC	KJ184331	[25]
<i>crp5</i>	Fw: GTGCTTCAGTTCAAGACG Rv: GATGACCTCCCTATCGAG	KC416628	[25]
<i>crp6</i>	Fw: GAACTCAATGTGTGGAGAC Rv: AGATAGAAACTTGCTGGATTG	XM_009297633	[25]
<i>crp7</i>	Fw: CCAAAGTGCCTACCAGC Rv: AGAATGACTTCCCGCC	KJ184335	[25]
<i>mxa</i>	Fw: GAGACAATCAACCTGGTC Rv: AGTCCTTCGCCATCA	NM_182942.4	This study
<i>mxb</i>	Fw: GATGTTCATTACCAAGCAG Rv: TCCTTCGCCCTCG	AJ544824.2	This study
<i>mxc</i>	Fw: AGATGGCATCCACAGTC Rv: TATAGCCCTCTCTAGGC	NM_001007284.2	This study
<i>mxd</i>	Fw: ATGTTGGAGATCAGATCAAAC Rv: GTCTACGTTTGTGCCATT	AJ544826.1	This study
<i>mxe</i>	Fw: CAGGTCACTTCTGAAGAC Rv: AGTCCTCTAACAGTCAGCAG	NM_182867.1	This study
<i>mxf</i>	Fw: TTGGAGATCAGATCAAATCC Rv: CCTTCTGGGTCAACTTG	XM_684467.3	This study
<i>mxg</i>	Fw: GCCATTGTCAGAACAAAG Rv: GTCCAGAGAAATGTCATCATC	NM_001122971.1	This study
SVCV <i>n</i>	Fw: GCATTATGCCGCTCCAAGAG Rv: AGCTTGCATTGAGATCGA	U18101	[23]

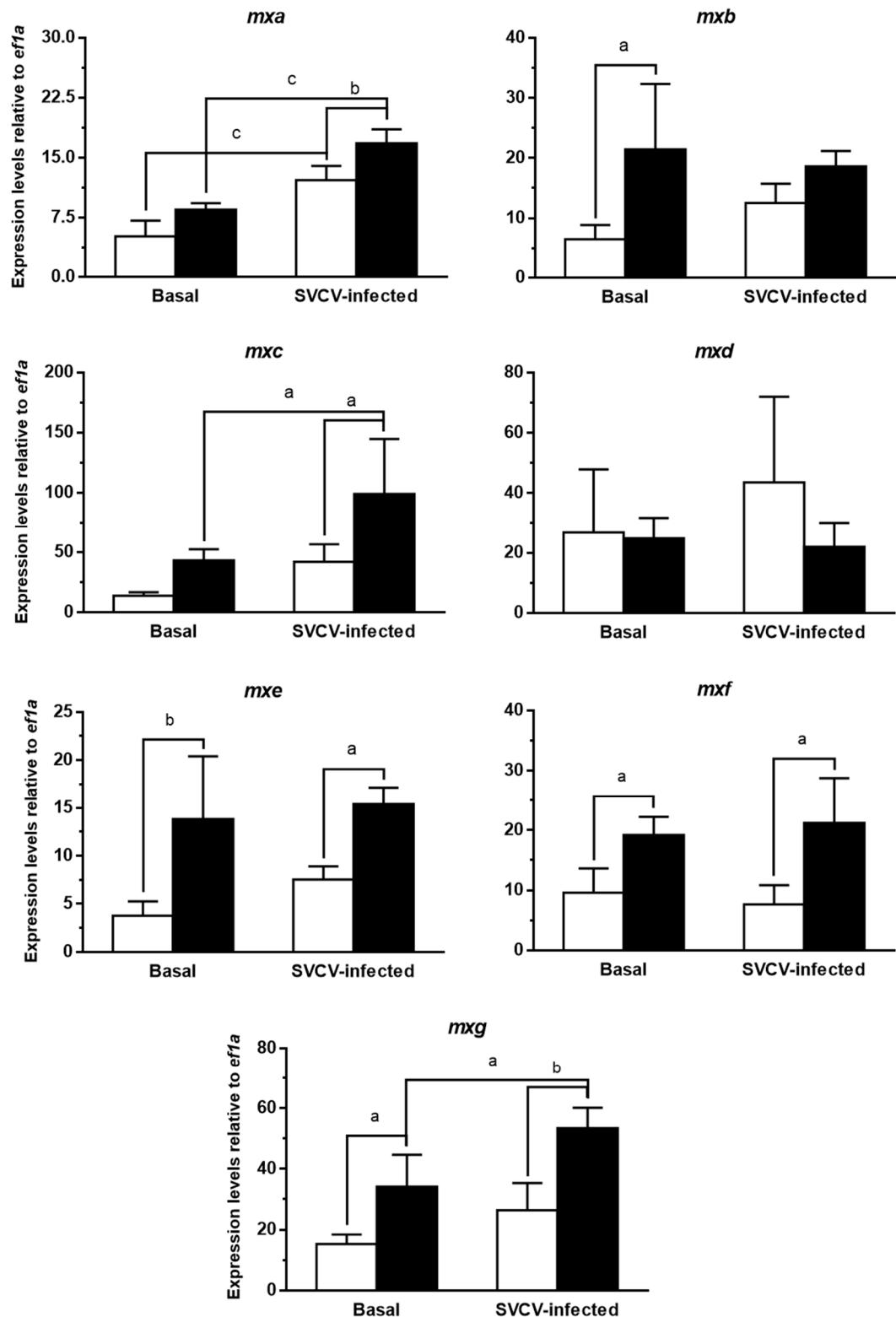


Figure S1. Expression modulation of *mx a-g* in skin from *rag* mutant zebrafish in response to SVCV infection. The transcription levels of *mx a-g* were quantified by RT-qPCR in the skin of *rag^{+/+}* and *rag^{-/-}* mutant zebrafish at 2 dpi with SVCV. *ef1a* mRNA was used as endogenous control to normalize data, which are represented as the mean relative expression level ($\times 10^3$ for *crps*) \pm SD of four different individuals. Significant differences were determined by two-way ANOVAs and Sidak's multiple comparison test. Statistical differences between the experimental groups are represented by keys together with 'a', 'b' and 'c' letters on top. a, $P \leq 0.05$; b, $P \leq 0.01$; c, $P \leq 0.001$.