

Accepted Manuscript

Salmon louse rhabdoviruses: impact on louse development and transcription of selected Atlantic salmon immune genes

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PII: S0145-305X(18)30135-6

DOI: [10.1016/j.dci.2018.04.023](https://doi.org/10.1016/j.dci.2018.04.023)

Reference: DCI 3159

To appear in: *Developmental and Comparative Immunology*

Please cite this article as: Aina-Cathrine Øvergård, Lars Are Hamre, Sindre Grotmol.Sindre, Frank Nilsen, Salmon louse rhabdoviruses: impact on louse development and transcription of selected Atlantic salmon immune genes, *Developmental and Comparative Immunology* (2018), doi: 10.1016/j.dci.2018.04.023

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Highlights

- The *Lepeophtheirus salmonis* rhabdoviruses do not affect salmon louse development, size or fecundity.
- The *Lepeophtheirus salmonis* rhabdoviruses is localized to the salmon louse salivary gland
- The cutaneous immune response towards salmon louse includes an increase of IL1 β , IL8, IL4/13A and NCCRP-1 mRNA at the lice attachment site.
- Higher levels of IL1 β and IL8 were seen in response to virus free lice than virus infected lice

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