

Accepted Manuscript

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PII: S0022-202X(17)33163-9

DOI: [10.1016/j.jid.2017.11.008](https://doi.org/10.1016/j.jid.2017.11.008)

Reference: JID 1174

To appear in: *The Journal of Investigative Dermatology*

Received Date: 13 September 2017

Revised Date: 2 November 2017

Accepted Date: 5 November 2017

Please cite this article as: Honda Y, Kitamura T, Naganuma T, Abe T, Ohno Y, Sassa T, Kihara A, Decreased Skin Barrier Lipid Acylceramide and Differentiation-Dependent Gene Expression in Ichthyosis Gene *Nipal4* Knockout Mice, *The Journal of Investigative Dermatology* (2017), doi: 10.1016/j.jid.2017.11.008.

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Short title: *NIPAL4* mutation-caused ichthyosis

Abbreviations: AS, α -hydroxy fatty acyl-sphingosine; ARCI, autosomal recessive congenital ichthyosis; CE, cornified cell envelope; CLE, corneocyte lipid envelope; C-section,

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