DAP12 interactions

16/01/2021

Introduction

Reactome is open-source, open access, manually curated and peer-reviewed pathway database. Pathway annotations are authored by expert biologists, in collaboration with Reactome editorial staff and cross-referenced to many bioinformatics databases. A system of evidence tracking ensures that all assertions are backed up by the primary literature. Reactome is used by clinicians, geneticists, genomics researchers, and molecular biologists to interpret the results of high-throughput experimental studies, by bioinformaticians seeking to develop novel algorithms for mining knowledge from genomic studies, and by systems biologists building predictive models of normal and disease variant pathways.

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Literature references

Fabregat, A., Sidiropoulos, K., Viteri, G., Forner, O., Marin-Garcia, P., Arnau, V. et al. (2017). Reactome pathway analysis: a high-performance in-memory approach. *BMC bioinformatics, 18*, 142. ↗

Sidiropoulos, K., Viteri, G., Sevilla, C., Jupe, S., Webber, M., Orlic-Milacic, M. et al. (2017). Reactome enhanced pathway visualization. *Bioinformatics, 33*, 3461-3467. ↗

Fabregat, A., Jupe, S., Matthews, L., Sidiropoulos, K., Gillespie, M., Garapati, P. et al. (2018). The Reactome Pathway Knowledgebase. *Nucleic Acids Res, 46*, D649-D655. ↗

Fabregat, A., Korninger, F., Viteri, G., Sidiropoulos, K., Marin-Garcia, P., Ping, P. et al. (2018). Reactome graph database: Efficient access to complex pathway data. *PLoS computational biology, 14*, e1005968. ↗
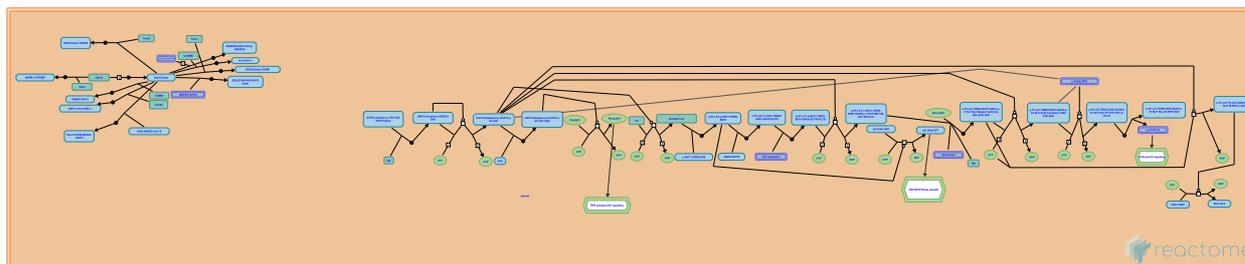
Reactome database release: 75

This document contains 2 pathways and 10 reactions (see Table of Contents)

DAP12 interactions ↗

Stable identifier: R-MMU-2172127

Inferred from: DAP12 interactions (Homo sapiens)

This event has been computationally inferred from an event that has been demonstrated in another species.

The inference is based on the homology mapping from PANTHER. Briefly, reactions for which all involved PhysicalEntities (in input, output and catalyst) have a mapped orthologue/paralogue (for complexes at least 75% of components must have a mapping) are inferred to the other species. High level events are also inferred for these events to allow for easier navigation.

<a href='/electronic_inference_compara.html' target = 'NEW'>More details and caveats of the event inference in Reactome. For details on PANTHER see also: <a href='http://www.pantherdb.org/about.jsp' target='NEW'>http://www.pantherdb.org/about.jsp
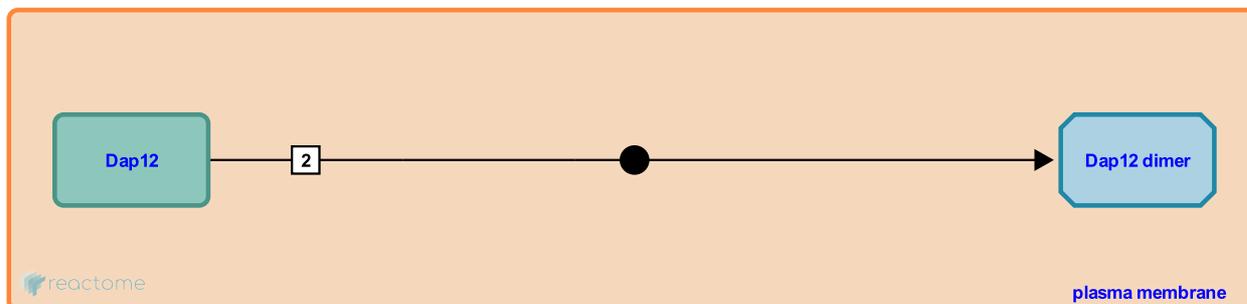
Dimerization of DAP12 ↗

Location: DAP12 interactions

Stable identifier: R-MMU-2130151

Type: binding

Compartments: plasma membrane

Inferred from: Dimerization of DAP12 (Homo sapiens)

This event has been computationally inferred from an event that has been demonstrated in another species.

The inference is based on the homology mapping from PANTHER. Briefly, reactions for which all involved PhysicalEntities (in input, output and catalyst) have a mapped orthologue/paralogue (for complexes at least 75% of components must have a mapping) are inferred to the other species. High level events are also inferred for these events to allow for easier navigation.

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Followed by: Interaction of DAP12 and KIR2DS5, Interaction of DAP12 and MDL-1, Interaction of SIGLEC14/15/16 and DAP12, Interaction of DAP12 and TREM1, Interaction of DAP12 and IREM2, Interaction of DAP12 and CLM7, SIRP beta binds TYROBP, Interaction of DAP12 and TREM2, DAP12 interacts with NKG2C

Interaction of DAP12 and KIR2DS5 ↗

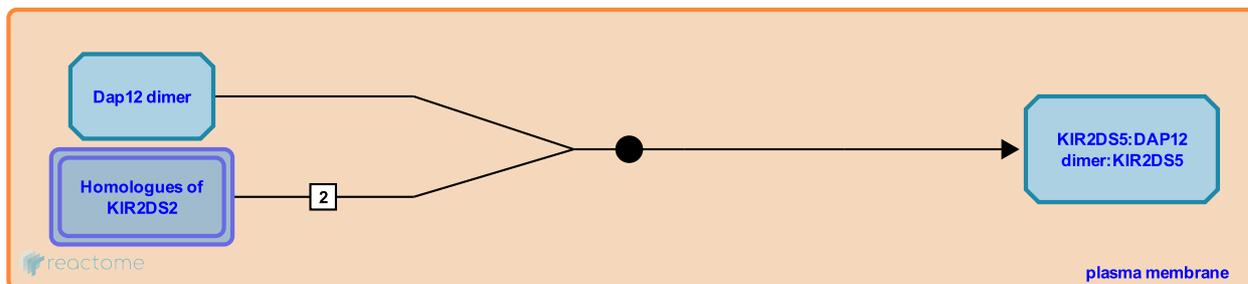**Location:** DAP12 interactions

Stable identifier: R-MMU-2272668

Type: binding

Compartments: plasma membrane

Inferred from: Interaction of DAP12 and KIR2DS5 (Homo sapiens)

This event has been computationally inferred from an event that has been demonstrated in another species.

The inference is based on the homology mapping from PANTHER. Briefly, reactions for which all involved PhysicalEntities (in input, output and catalyst) have a mapped orthologue/paralogue (for complexes at least 75% of components must have a mapping) are inferred to the other species. High level events are also inferred for these events to allow for easier navigation.

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Preceded by: Dimerization of DAP12

Interaction of DAP12 and MDL-1 ↗
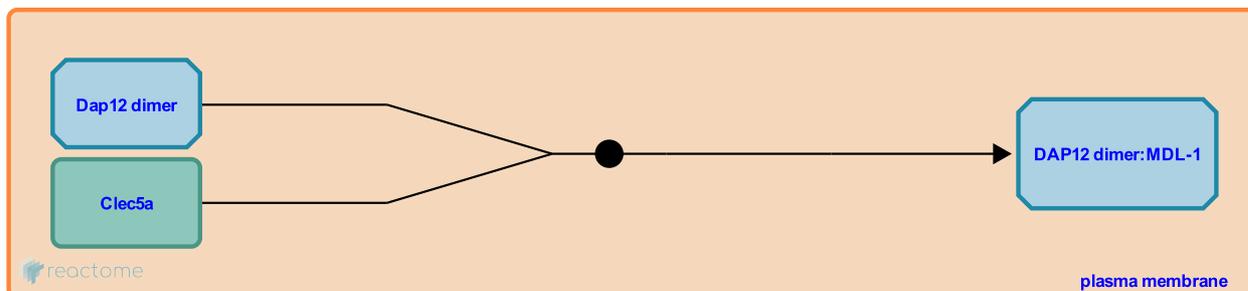
Location: DAP12 interactions

Stable identifier: R-MMU-210271

Type: binding

Compartments: plasma membrane

Inferred from: Interaction of DAP12 and MDL-1 (Homo sapiens)

This event has been computationally inferred from an event that has been demonstrated in another species.

The inference is based on the homology mapping from PANTHER. Briefly, reactions for which all involved PhysicalEntities (in input, output and catalyst) have a mapped orthologue/paralogue (for complexes at least 75% of components must have a mapping) are inferred to the other species. High level events are also inferred for these events to allow for easier navigation.

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Preceded by: Dimerization of DAP12
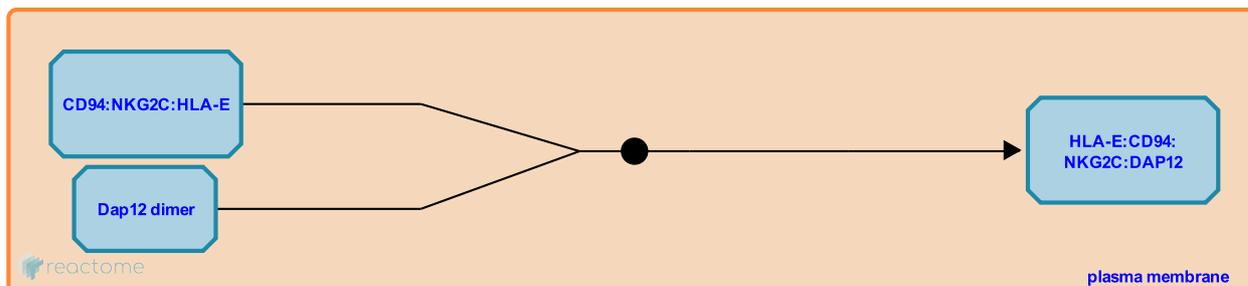
DAP12 interacts with NKG2C ↗

Location: DAP12 interactions

Stable identifier: R-MMU-2172126

Type: binding

Compartments: plasma membrane

Inferred from: DAP12 interacts with NKG2C (Homo sapiens)

This event has been computationally inferred from an event that has been demonstrated in another species.

The inference is based on the homology mapping from PANTHER. Briefly, reactions for which all involved PhysicalEntities (in input, output and catalyst) have a mapped orthologue/paralogue (for complexes at least 75% of components must have a mapping) are inferred to the other species. High level events are also inferred for these events to allow for easier navigation.

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Preceded by: Dimerization of DAP12
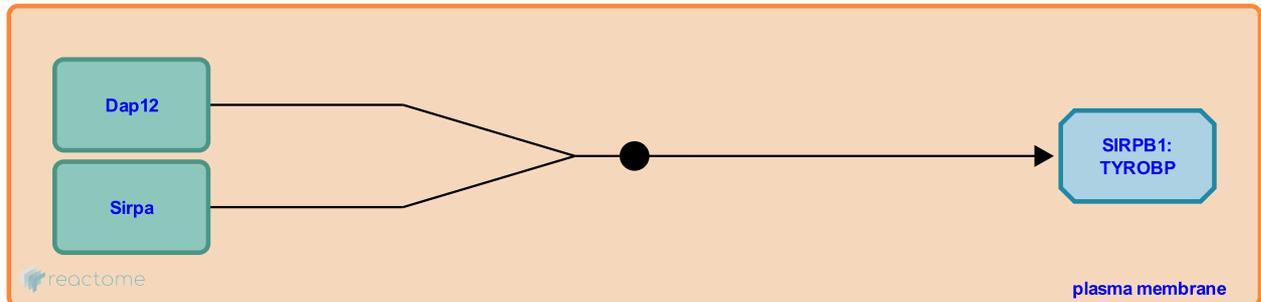
SIRP beta binds TYROBP ↗

Location: DAP12 interactions

Stable identifier: R-MMU-210274

Type: binding

Compartments: plasma membrane

Inferred from: SIRP beta binds TYROBP (Homo sapiens)

This event has been computationally inferred from an event that has been demonstrated in another species.

The inference is based on the homology mapping from PANTHER. Briefly, reactions for which all involved PhysicalEntities (in input, output and catalyst) have a mapped orthologue/paralogue (for complexes at least 75% of components must have a mapping) are inferred to the other species. High level events are also inferred for these events to allow for easier navigation.

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Preceded by: Dimerization of DAP12

Interaction of DAP12 and TREM1 ↗
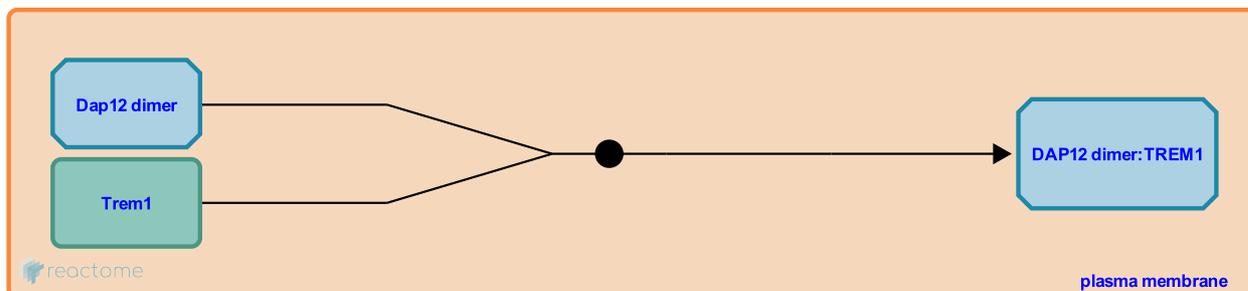
Location: DAP12 interactions

Stable identifier: R-MMU-210292

Type: binding

Compartments: plasma membrane

Inferred from: Interaction of DAP12 and TREM1 (Homo sapiens)

This event has been computationally inferred from an event that has been demonstrated in another species.

The inference is based on the homology mapping from PANTHER. Briefly, reactions for which all involved PhysicalEntities (in input, output and catalyst) have a mapped orthologue/paralogue (for complexes at least 75% of components must have a mapping) are inferred to the other species. High level events are also inferred for these events to allow for easier navigation.

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Preceded by: Dimerization of DAP12

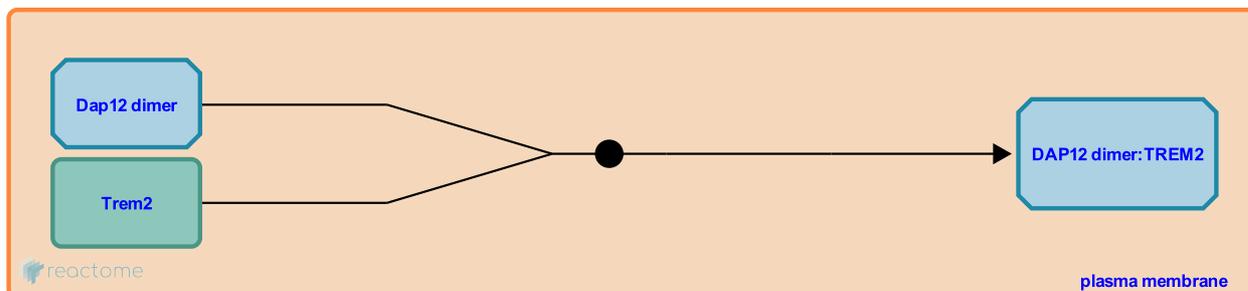## Interaction of DAP12 and TREM2 ↗

Location: DAP12 interactions

Stable identifier: R-MMU-210300

Type: binding

Compartments: plasma membrane

Inferred from: Interaction of DAP12 and TREM2 (Homo sapiens)

This event has been computationally inferred from an event that has been demonstrated in another species.

The inference is based on the homology mapping from PANTHER. Briefly, reactions for which all involved PhysicalEntities (in input, output and catalyst) have a mapped orthologue/paralogue (for complexes at least 75% of components must have a mapping) are inferred to the other species. High level events are also inferred for these events to allow for easier navigation.

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Preceded by: Dimerization of DAP12

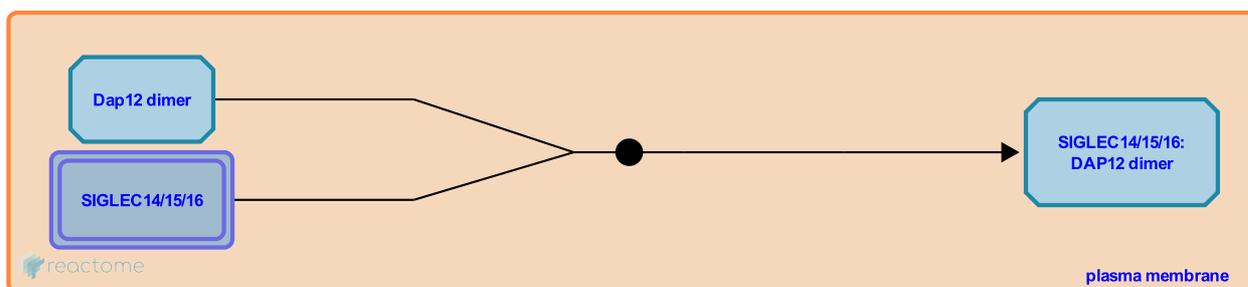## Interaction of SIGLEC14/15/16 and DAP12 ↗

Location: DAP12 interactions

Stable identifier: R-MMU-2172123

Type: binding

Compartments: plasma membrane

Inferred from: Interaction of SIGLEC14/15/16 and DAP12 (Homo sapiens)

This event has been computationally inferred from an event that has been demonstrated in another species.

The inference is based on the homology mapping from PANTHER. Briefly, reactions for which all involved PhysicalEntities (in input, output and catalyst) have a mapped orthologue/paralogue (for complexes at least 75% of components must have a mapping) are inferred to the other species. High level events are also inferred for these events to allow for easier navigation.

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Preceded by: Dimerization of DAP12
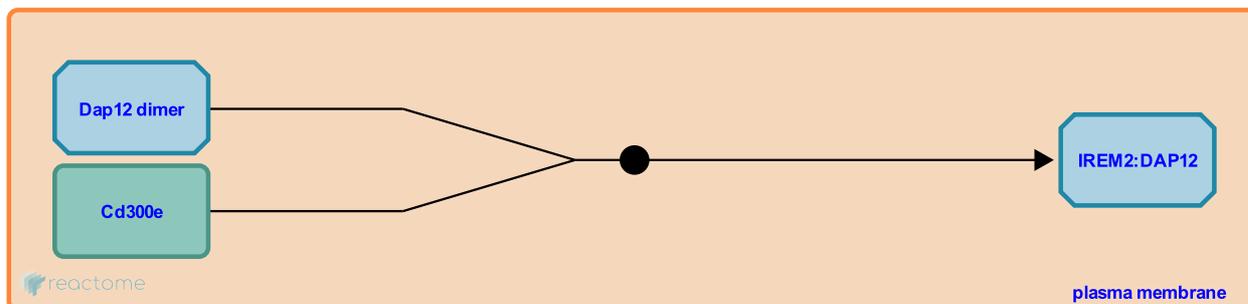
Interaction of DAP12 and IREM2 ↗

Location: DAP12 interactions

Stable identifier: R-MMU-2426569

Type: binding

Compartments: plasma membrane

Inferred from: Interaction of DAP12 and IREM2 (Homo sapiens)

This event has been computationally inferred from an event that has been demonstrated in another species.

The inference is based on the homology mapping from PANTHER. Briefly, reactions for which all involved PhysicalEntities (in input, output and catalyst) have a mapped orthologue/paralogue (for complexes at least 75% of components must have a mapping) are inferred to the other species. High level events are also inferred for these events to allow for easier navigation.

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Preceded by: Dimerization of DAP12

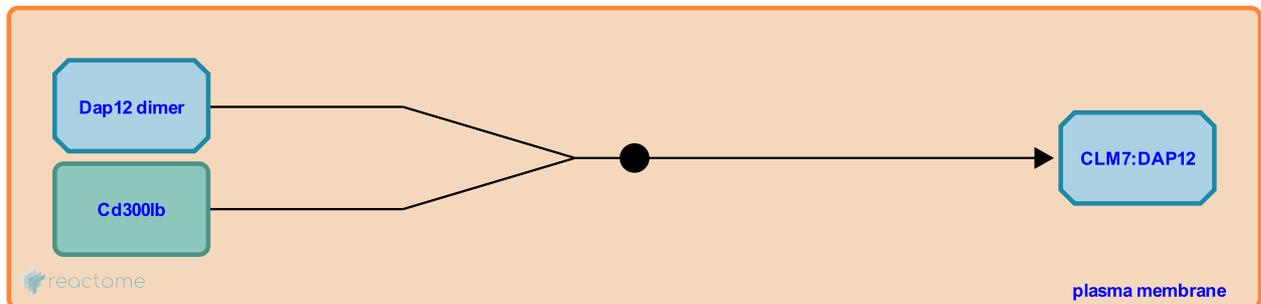## Interaction of DAP12 and CLM7 ↗

Location: DAP12 interactions

Stable identifier: R-MMU-2426566

Type: binding

Compartments: plasma membrane

Inferred from: Interaction of DAP12 and CLM7 (Homo sapiens)

This event has been computationally inferred from an event that has been demonstrated in another species.

The inference is based on the homology mapping from PANTHER. Briefly, reactions for which all involved PhysicalEntities (in input, output and catalyst) have a mapped orthologue/paralogue (for complexes at least 75% of components must have a mapping) are inferred to the other species. High level events are also inferred for these events to allow for easier navigation.

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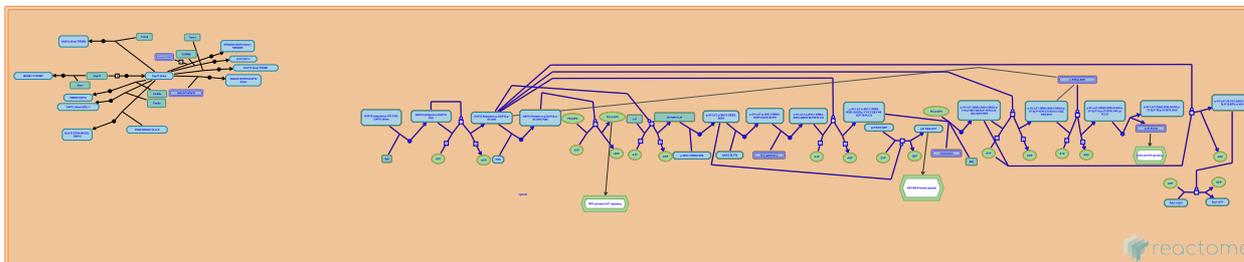
Preceded by: Dimerization of DAP12

DAP12 signaling ↗

Location: DAP12 interactions

Stable identifier: R-MMU-2424491

Inferred from: DAP12 signaling (Homo sapiens)

This event has been computationally inferred from an event that has been demonstrated in another species.

The inference is based on the homology mapping from PANTHER. Briefly, reactions for which all involved PhysicalEntities (in input, output and catalyst) have a mapped orthologue/paralogue (for complexes at least 75% of components must have a mapping) are inferred to the other species. High level events are also inferred for these events to allow for easier navigation.

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