

Metabolism of vitamins and cofactors

Metabolism of water-soluble vitamins and cofactors

Metabolism of fat-soluble vitamins





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This is just an excerpt of a full-length report for this pathway. To access the complete report, please download it at the Reactome-Textbook.

03/05/2024

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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.

The development of Reactome is supported by grants from the US National Institutes of Health (P41 HG003751), University of Toronto (CFREF Medicine by Design), European Union (EU STRP, EMI-CD), and the European Molecular Biology Laboratory (EBI Industry program).

Literature references

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- Sidiropoulos, K., Viteri, G., Sevilla, C., Jupe, S., Webber, M., Orlic-Milacic, M. et al. (2017). Reactome enhanced pathway visualization. *Bioinformatics*, 33, 3461-3467.
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Reactome database release: 88

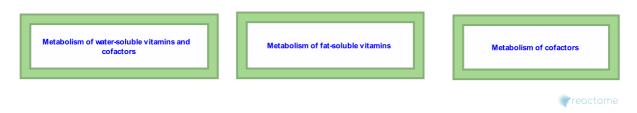
This document contains 4 pathways (see Table of Contents)

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Metabolism of vitamins and cofactors **→**

Stable identifier: R-CEL-196854

Inferred from: Metabolism of vitamins and cofactors (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.

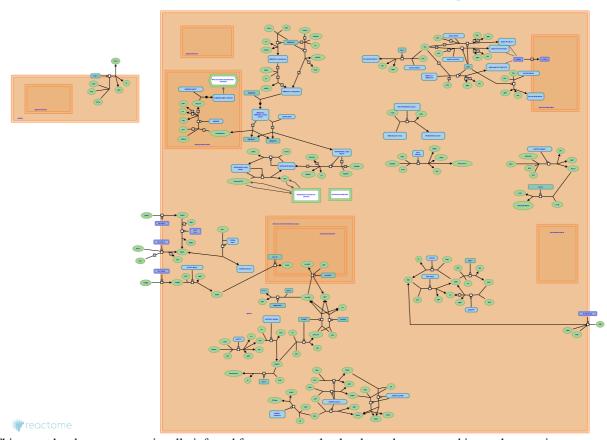
More details and caveats of the event inference in Reactome. For details on PANTHER see also: http://www.pantherdb.org/about.jsp

Metabolism of water-soluble vitamins and cofactors 7

Location: Metabolism of vitamins and cofactors

Stable identifier: R-CEL-196849

Inferred from: Metabolism of water-soluble vitamins and cofactors (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.

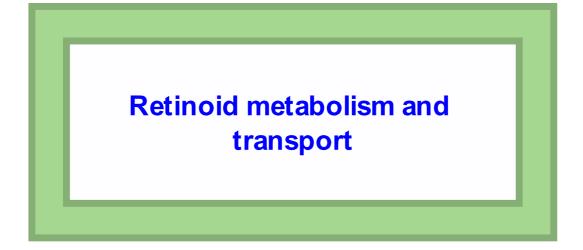
 $\underline{More\ details\ and\ cave ats\ of\ the\ event\ inference\ in\ Reactome.}\ For\ details\ on\ PANTHER\ see\ also: \\ \underline{http://www.pantherdb.org/about.jsp}$

Metabolism of fat-soluble vitamins

Location: Metabolism of vitamins and cofactors

Stable identifier: R-CEL-6806667

Inferred from: Metabolism of fat-soluble vitamins (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.

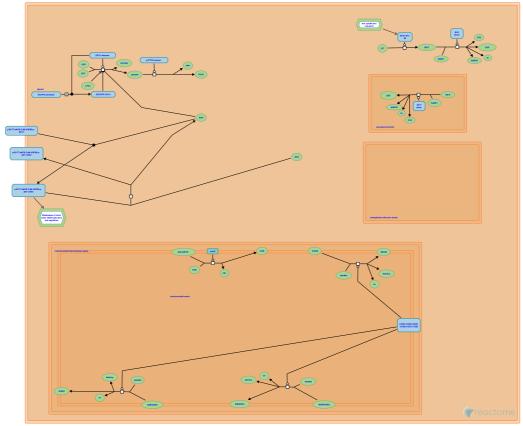
More details and caveats of the event inference in Reactome. For details on PANTHER see also: http://www.pantherdb.org/about.jsp

Metabolism of cofactors ↗

Location: Metabolism of vitamins and cofactors

Stable identifier: R-CEL-8978934

Inferred from: Metabolism of cofactors (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.

 $\underline{More\ details\ and\ cave ats\ of\ the\ event\ inference\ in\ Reactome.}\ For\ details\ on\ PANTHER\ see\ also: \\ \underline{http://www.pantherdb.org/about.jsp}$

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