情報可視化

LX1: 情報可視化とは

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What's Vis, and why do it?

Definition

Computer-based visualization systems provide visual representations of datasets designed to help people carry out tasks more effectively.

Why have a human in the decision-making loop?

Computer-based visualization systems provide visual representations of datasets designed to help people carry out tasks more effectively.

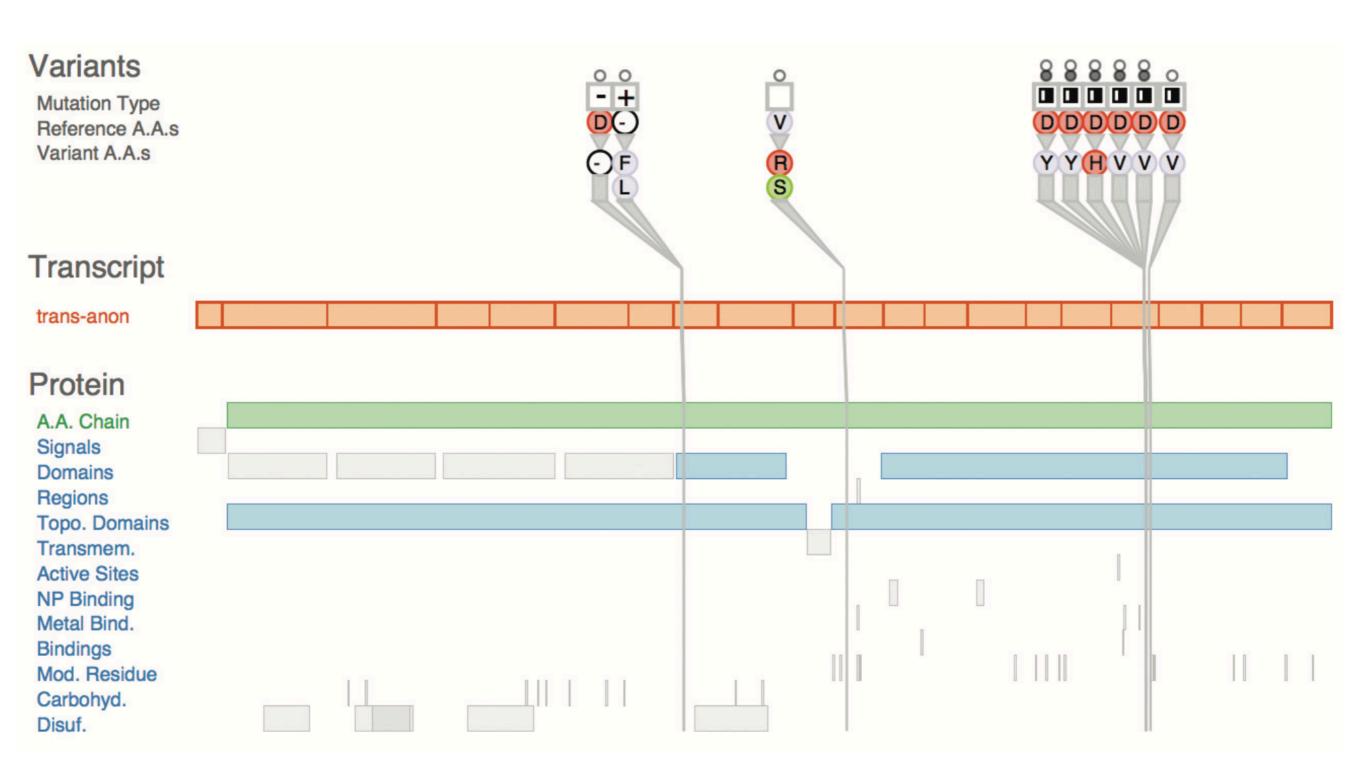
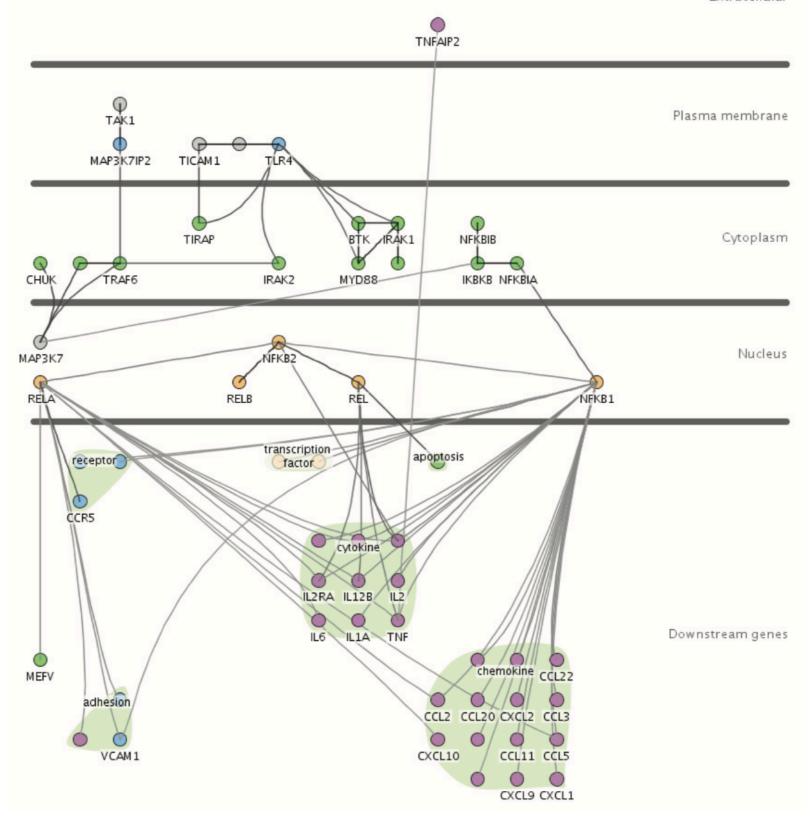


Figure 1.1. The Variant View vis tool supports biologists in assessing the impact of genetic variants by speeding up the exploratory analysis process. From [Ferstay et al. 13, Figure 1].

Why have a computer in the loop?

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Why use an external representation?

Computer-based visualization systems provide visual representations of datasets designed to help people carry out tasks more effectively.

Why depend on vision?

Computer-based **visualization systems** provide visual representations of datasets designed to help people carry out tasks more effectively.

Why show the data in detail?

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Why use interactivity?

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Why is the vis idiom design space huge?

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Why focus on tasks?

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Why are most designs ineffective?

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Why care about ineffectiveness?

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Why is validation difficult?

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Why are there resource limitations?

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Why analyze vis?

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