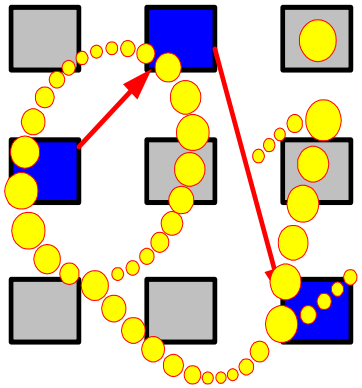


Quantum Intelligence, Inc.

Enhanced QID D^2 Drug Toxicity Model Using BioSpice

Ying Zhao , Charles Zhou,

Cliff Zhou, Sharon Barr, Ian Oglesby

Washington DC, Oct. 12, 2004

DARPA

BioCOMP

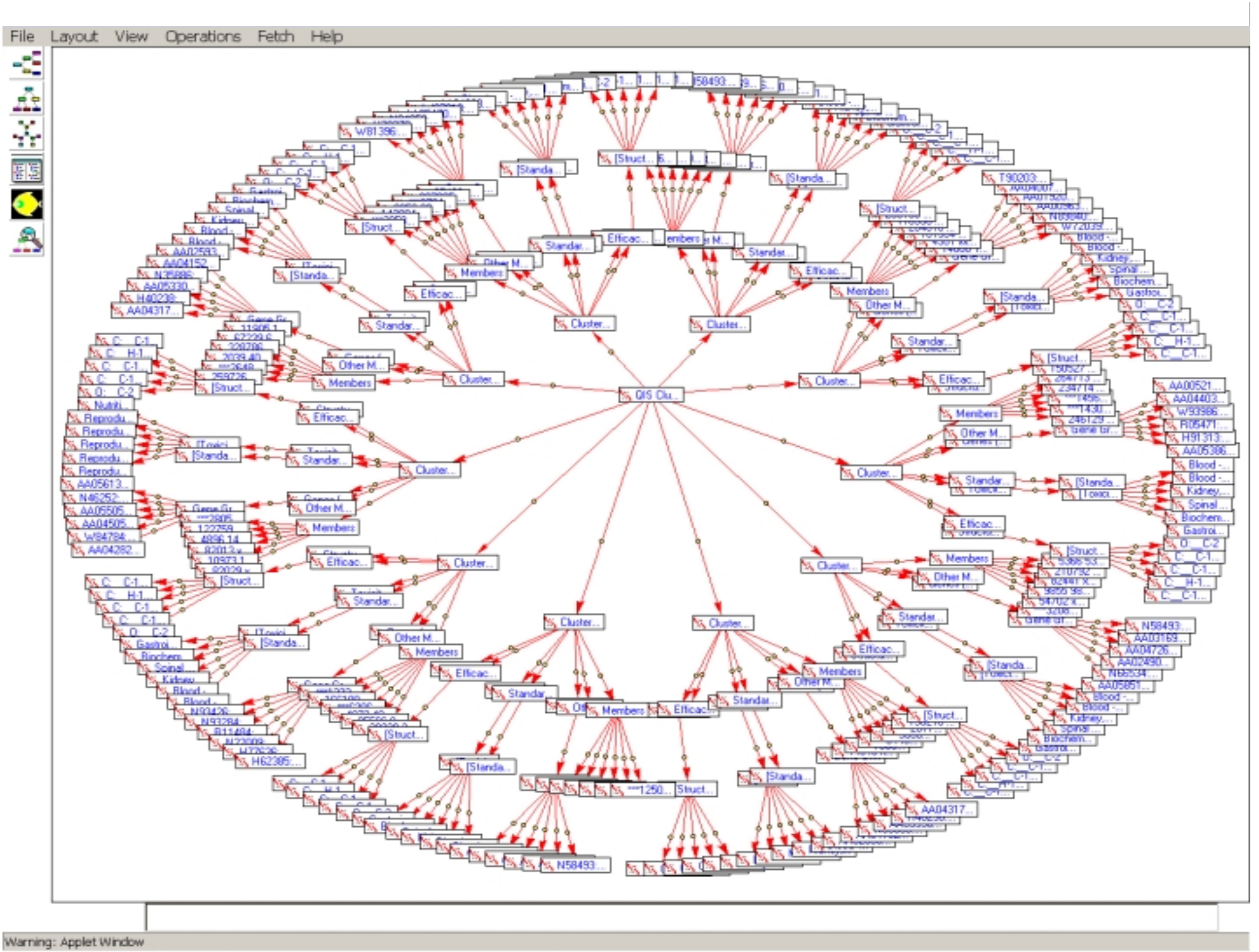
Commercial Impact

Biomedical significance of the cluster-based predictive modeling.

- Integrate knowledge source for drug candidates
- Assess and predict a new compound's toxicity and efficacy based on its structure or drug-gene association patterns.
- Increase Return of Investment (ROI)

Military Impact/Sponsorship

- **QIS D^2 would significantly speed up the understanding of biological, chemical, genetic and medical signatures for biological agents and pathogens for homeland security and national defense.**
- **The potential military sponsors/users include Army, Navy, Air force, Chemical and Biological Defense (CBD), The Defense Threat Reduction Agency (DTRA), Defense Health Program under OSD.**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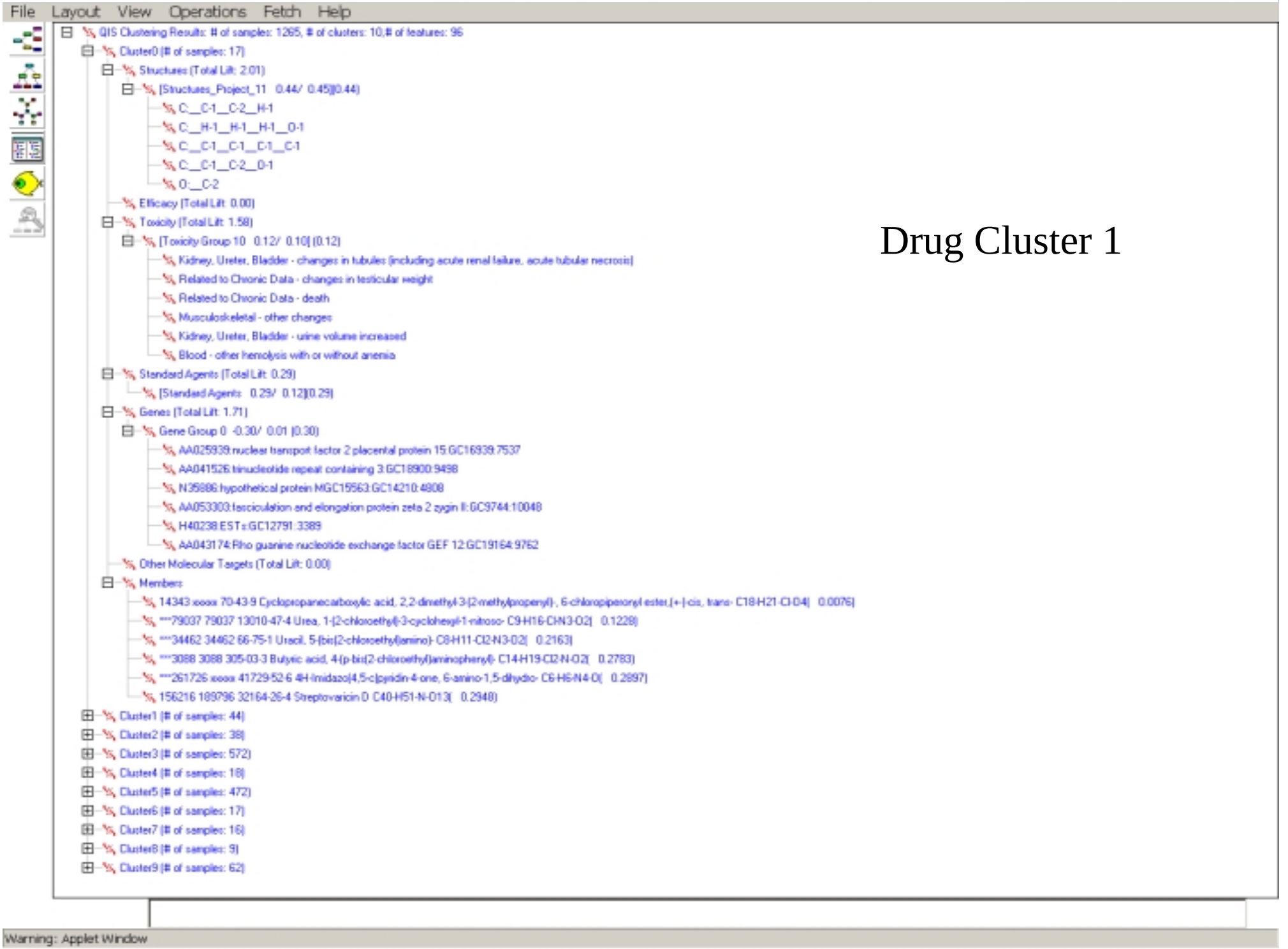

Drug Cluster 1