

Leveraging your research data using TenWise's KMAP & KMINE

TenWise offers text mining solutions by providing access to its KMAP platform.

Our **KMAP platform** captures validated scientific knowledge about human genes, micro-organisms, metabolites, pathways, phenotypes, diseases, drug compounds and research workflows, in over 200 million biological relations.

"TenWise use intelligent, innovative (bio)informatics techniques, mining data to uncover hidden relationships and networks in disease areas, their expertise providing new insight in pharma research, presented in intuitive, comprehensive reports"

BioAxis Research, customer for research in role of Brown fat in metabolic disorders and obesity

"We use KMAP for several applications both internally and externally. For example, to collect information regarding selected proteins to support our customers or for prioritization of new protein targets."

Olink Proteomics, CRO in the proteomics field

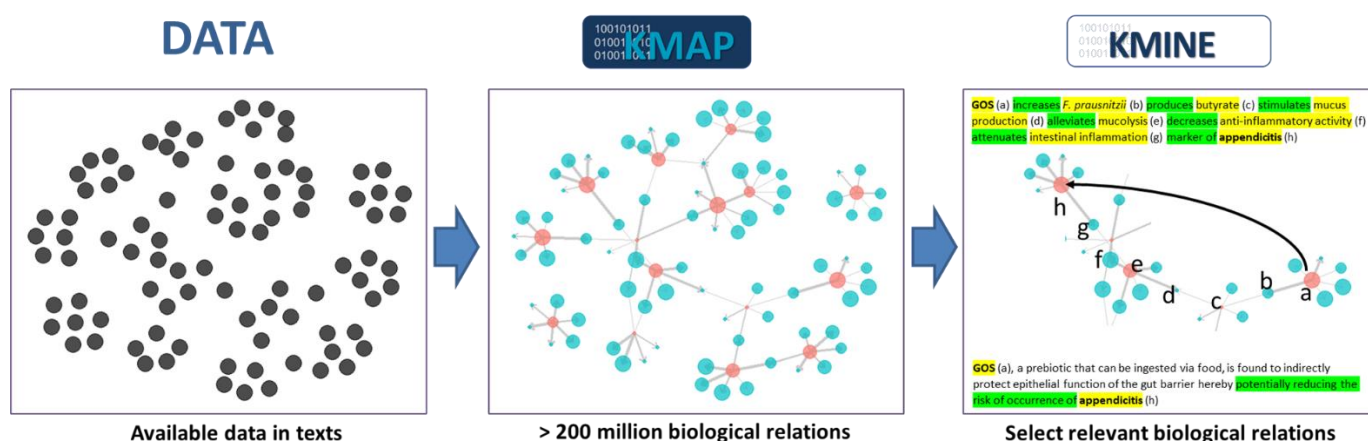
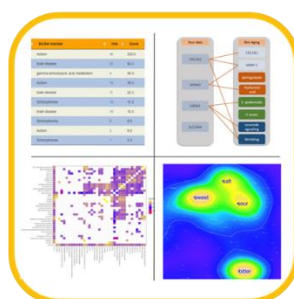


Figure 1: KMAP captures scientific knowledge in over 200 million biological relations and KMINE uncovers hidden relations

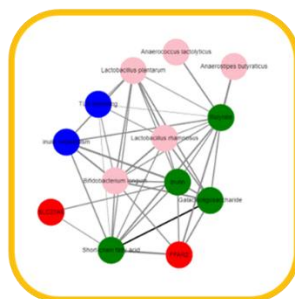
Our **KMINE products** offer access to the KMAP platform. These products are designed specifically for research teams and data engineers to assist in: **✓ discovery** **✓ drug repurposing** **✓ literature scoping** **✓ clinical validation**.



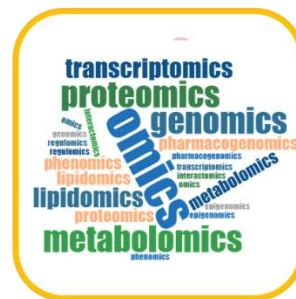
Direct access to KMAP



Web interface for interactive discovery



Dedicated literature reports



A FAIR view on your ~omics data

Leveraging your research data using TenWise's KMAP & KMINE



Drawing biological conclusions from public and confidential ~omics data sets

We used:



The pharma industry requested TenWise to build a KMINE ~Omics Viewer for their clinical microbiome data derived from healthy and diseased animals. Public whole genome sequence data derived from a study performed by Coelho *et al.* (2018) from EMBL in Heidelberg were also displayed in this data viewer. By using the TenWise KMINE ~Omics Viewer the study's conclusion that dogs may be predictive for human gut microbiome results pertaining to gut infections, was convincingly reproduced.

 ~Omics Viewer: A FAIR view on your ~omics data

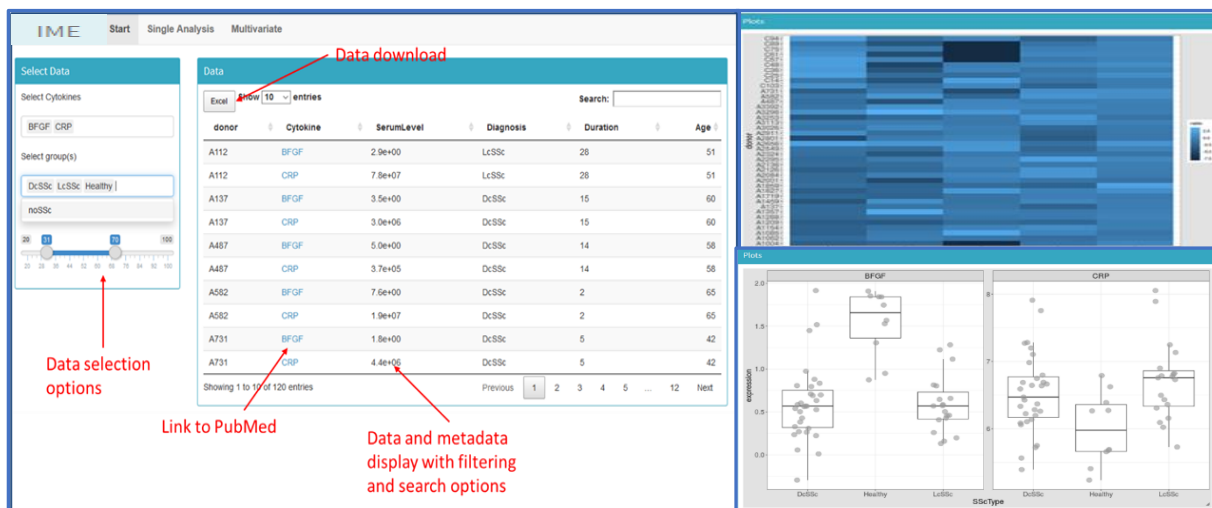


Figure 2: images of the KMINE ~Omics Viewer's basic features: data relations tables, heatmaps and box plots.

Conclusions:

First of all, KMINE ~Omics Viewer's output can corroborate conclusions drawn in a peer reviewed microbiome paper. Secondly, the Viewer is instantly able to draw similar conclusions on proprietary ~omics data sets. Finally, KMINE ~Omics Viewers can be loaded with an unlimited amount of data sets and can be tailored to specific needs for example: box plots, PCAs plots, heat maps and literature links.

Want to get your own KMINE ~Omics Viewer? Call us or request a demonstration or quote:

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