



PROTEOME™ (HumanPSD™+TRANSPATH®) release 2019.1

The Human Proteome Survey Database (HumanPSD™) with focus on human proteins as disease biomarkers and drug targets contains these new features:

- **More Clinical Trial data**

New data from clinicaltrials.gov and manual curation by experts have increased the number of Clinical Trial-Drug assignments to 203,347, leading to a total of 398,810 CT-Disease-Drug assignments.

- **Custom search for complexes**

Dedicated search for complexes by different data types is now available as part of the SQL-like custom search system. The resulting list of complexes can also be used as input for queries for connected entities, such as reactions or transcription factor binding sites.

- **Functional analysis**

Under-represented GO terms or pathways are now indicated more clearly in the result's summary chart.

The TRANSPATH® database on mammalian signal transduction and metabolic pathways contains these new data features:

- **Increase in number of reactions**

19,231 new binding reactions between proteins in human or Arabidopsis thaliana have been added, among them e.g. reactions from the human aging-related interactome.

1,078 existing reactions were updated with additional experimental evidences from primary literature.

- **Links to Wikipathways**

Genes/proteins from human, mouse, rat, Arabidopsis, and yeast are now linked to the respective signalling and metabolic pathways from Wikipathways. The pathways can be directly displayed on the gene/protein's locus report.