



PROTEOME™ (HumanPSD™+TRANSPATH®) release 2019.3

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

- **Locus report links to Reactome pathways**

Many locus reports now contain a table with [Reactome](#) pathways the gene/protein is involved in. More than 100,000 hyperlinks to pathway reports in Reactome (version 69) as well as to the Reactome pathway browser have been added.

- **More Clinical Trial and Biomarker data**

New data from [clinicaltrials.gov](#) and manual disease biomarker curation by experts have increased the number of CT-Disease-Drug assignments to 412,475 and the number of disease annotations to 329,469.

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

- **Increase in number of reactions**

7,506 new binding reactions between proteins in human, mouse, rat or fruit fly have been added, among them e.g. reactions from the human ER-alpha and O-GlcNAc transferase interactome.

New phosphorylation targets have been included by integrating 526 reactions catalyzed by the human serine/threonine kinase PRKD3.