

## BRENDA release 2017.2



### Data addition & update

176 new enzyme classes have been integrated. Now BRENDA comprises 7,271 EC numbers. 951 EC numbers were updated with new manually annotated references and more than 55,000 new data were added in this process. In particular the classes of transferases and oxidoreductases have been enhanced. Additional data retrieved by text mining led to a further increase of data.

BRENDA Tissue Ontology (BTO) has been extended by 59 additional terms, further 263 synonyms, and 53 new definitions.

15 new pathways have been added.

2,079,383 amino acid sequences of cellular organisms have been added. BRENDA now comprises 9,250,412 amino acid sequences

### New features & updates of the BRENDA 2017.2 web interface and BRENDA online, respectively:

- The Enzyme Summary Page has been revised.
- Most of the newly added pathways are accessible via Pathway Overview for customers using the web interface.