

## **CAZYmes**

# **Description**



### **DATABASES**

CAZy <a href="http://www.cazy.org/">http://www.cazy.org/</a> CAZy is a dedicated family classification system correlating structure and molecular mechanism of carbohydrate-active enzymes. It describes the families of structurally-related catalytic and carbohydrate-binding modules (or functional domains) of enzymes that degrade, modify, or create glycosidic bonds. The following classes of enzymes are covered: Glycoside Hydrolases (GHs); GlycosylTransferases (GTs); Polysaccharide Lyases (PLs); Carbohydrate Esterases (CEs); Auxiliary Activities (AAs): Redox enzymes that act in conjunction with CAZymes & Carbohydrate-Binding Modules (CBMs)

#### **PREDICTIONS**

- GlycoDigest <u>www.glycodigest.org/</u> GlycoDigest a tool that simulates exoglycosidase digestion, based on controlled rules acquired from expert knowledge and experimental evidence available in GlycoBase.
- **O-Glycologue** <a href="https://www.boxer.tcd.ie/glycologue/">https://www.boxer.tcd.ie/glycologue/</a> O-Glycologue is a simulator of the enzymes of O-linked glycosylation,

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