

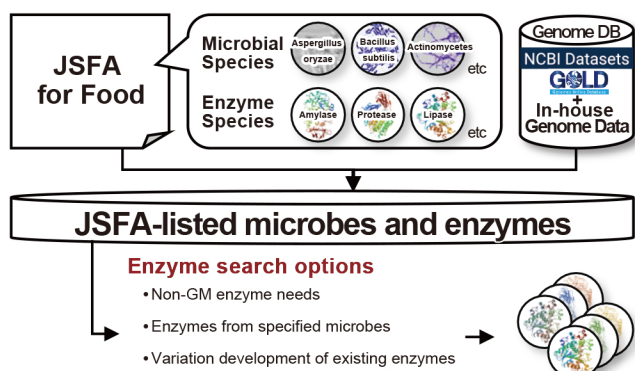
digzyme Express™

Non-GM production strain design for food industry enzymes

digzyme Express™ is a platform for finding JSFA-listed enzymes^{*1} and designing non-GM^{*3} production strains for the food industry^{*4}

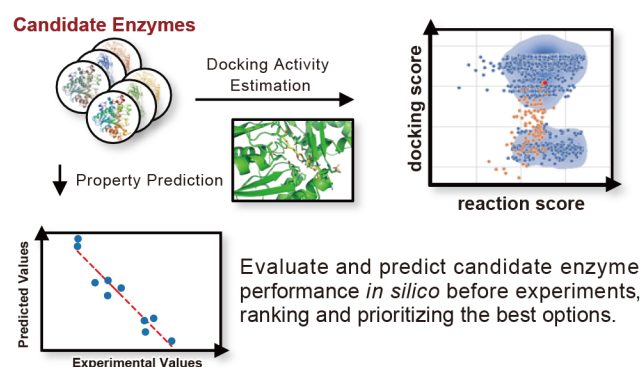
Feature 1

Search from a proprietary database of JSFA-listed microbes and enzymes



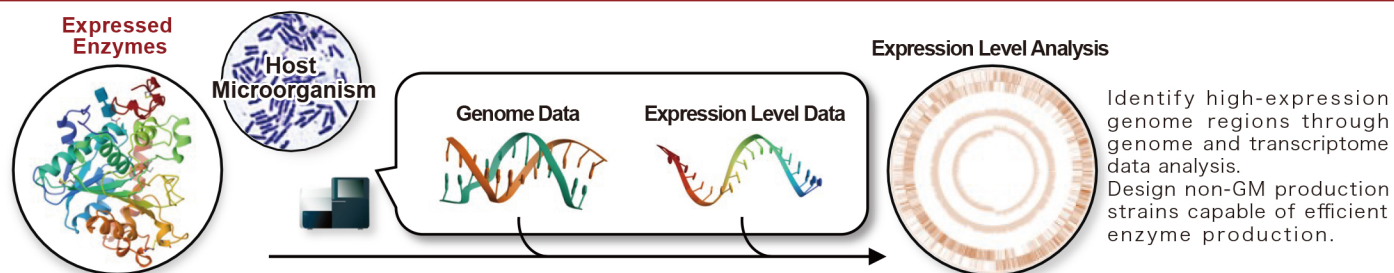
Feature 2

Enzyme evaluation *in silico* with digzyme Moonlight™



Feature 3

Design non-GM production strains using genome/transcriptome data



Additional Features

- Production strains created using methods not classified as recombinant DNA
- Screening based on a database of microorganisms and enzymes listed in JSFA
- Efficient *in silico* screening via the digzyme Moonlight™ platform

※1 10th Edition of JSFA (<https://www.mhlw.go.jp/content/11130500/001208056.pdf>)

※2 JSFA: Japan's Specifications and Standards for Food Additives

※3 non-GM: non-genetically modified

※4 The enzymes do not correspond to genetically recombinant enzymes under the Food Sanitation Act (self-cloning and natural occurrence).

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