

Supplementary Materials: Chemical Modification of Novel Glycosidases from *Lactobacillus plantarum* Using Hyaluronic Acid: Effects on High Specificity against 6-Phosphate Glucopyranoside

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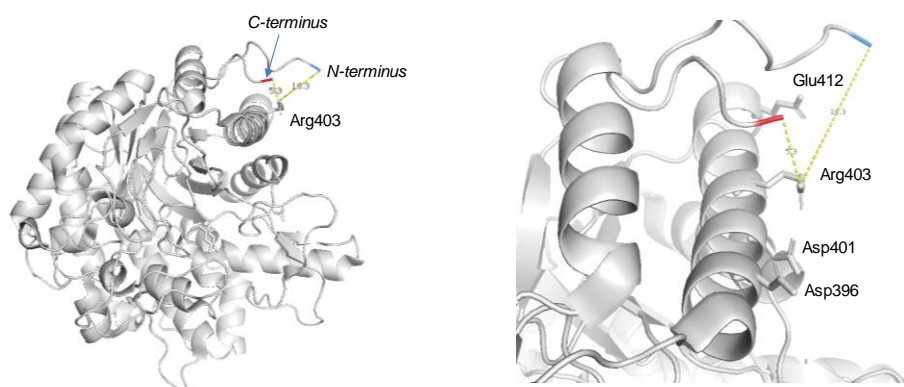


Figure S1. Lp_0440 structure incorporating a His₆-tag in the C-terminus. N-terminus is in light blue, C-terminus in red, and His₆-tag in green. The protein structure was obtained from the Protein Data Bank (PDB code: 3qom) and the pictures were created using Pymol v. 0.99.

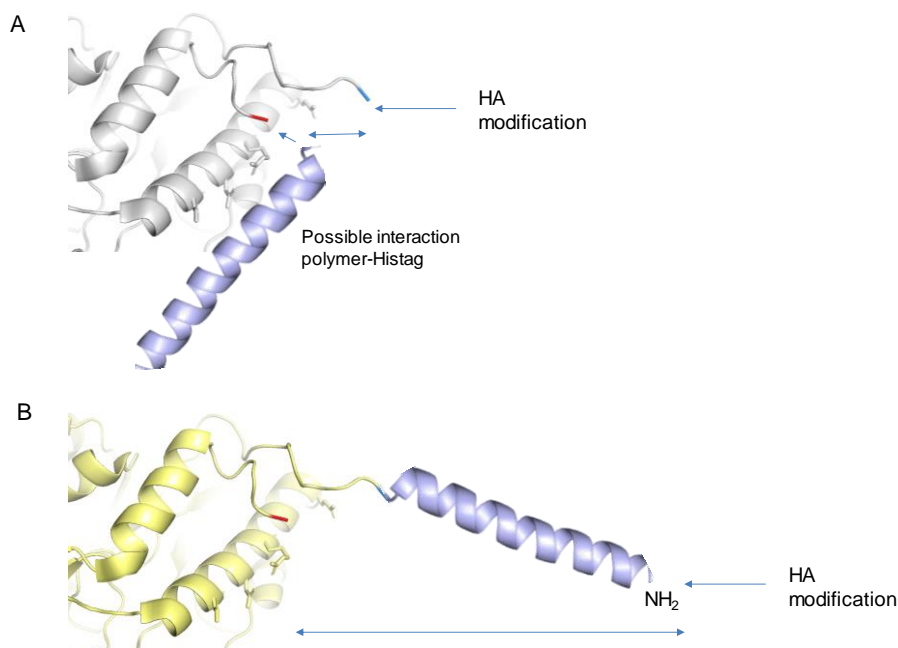


Figure S2. Differences on the hyaluronic acid (HA) chemical modification of glycosidases containing a His₆-tag in the N- or C-terminus. **(A)** Lp_0440 structure incorporating a His₆-tag in the C-terminus. **(B)** Glycosidase (using Lp_0440 structure as model) incorporating a His₆-tag in the C-terminus. N-terminus is in light blue, C-terminus in red, and His₆-tag in purple. The protein structure was obtained from the Protein Data Bank (PDB code: 3qom) and the pictures were created using Pymol v. 0.99.

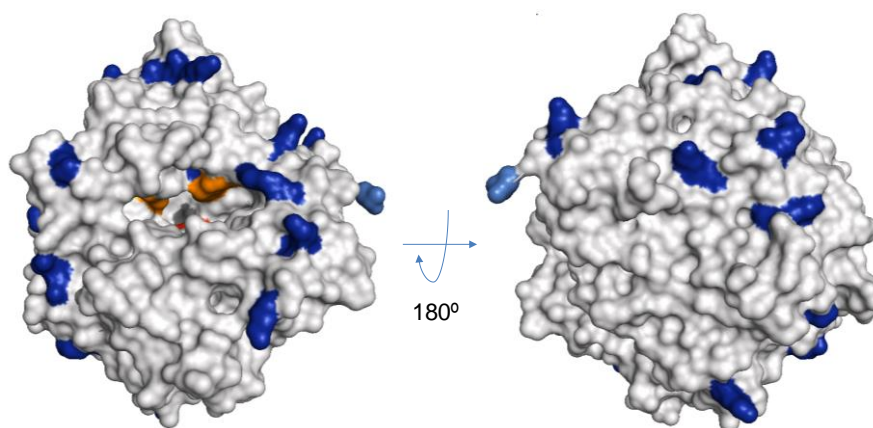


Figure S3. Lp_0440 surface tridimensional structure. Lysines are marked in blue, N-terminus in light blue, Trp in orange, and active site in red. The protein structure was obtained from the Protein Data Bank (PDB code: 3qom) and the pictures were created using Pymol v. 0.99.

