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Improvement of the acid stability of *Bacillus licheniformis* alpha amylase by site-directed mutagenesis

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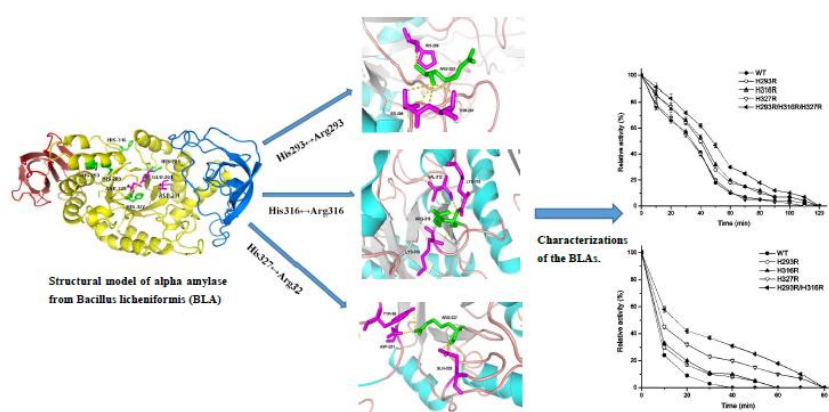
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Graphical abstract



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