

Resource Summary Report

Generated by [RRID](#) on Aug 25, 2026

pOpen-Bst HF

RRID:Addgene_165539

Type: Plasmid

Proper Citation

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Plasmid Information

URL: <http://www.addgene.org/165539>

Proper Citation: RRID:Addgene_165539

Insert Name: Bst HF

Organism: Other

Bacterial Resistance: Ampicillin

Vector Backbone Description: Vector Backbone:pBuild; Vector Types:Synthetic Biology; Bacterial Resistance:Ampicillin

Comments: Bst-HF is a high-fidelity strand displacing polymerase that is able to overcome complex/problematic sequences, allowing amplification of large fragments and DNA sequences with over 80% GC content. Bst-HF has an error rate of about 7.8×10^{-7} , a fidelity about 20 times higher than standard Bst, and better than Phusion High-Fidelity DNA Polymerase in High-GC buffer. The plasmids in the Open Enzyme collection contain genetic parts and are not functional by themselves. Researchers can clone these enzymes into an expression vector of their choice and then transform into E. coli bacteria for expression and purification. Additional information can be found at <https://www.addgene.org/depositor-collections/open-enzyme/>.

Plasmid Name: pOpen-Bst HF

Record Creation Time: 20220422T221934+0000

Record Last Update: 20260815T080930+0000

Ratings and Alerts

No rating or validation information has been found for pOpen-Bst HF.

No alerts have been found for pOpen-Bst HF.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.