Resource Summary Report

Generated by RRID on Aug 23, 2026

pMTB-Multibow-hG

RRID:Addgene_60994
Type: Plasmid

Proper Citation

RRID:Addgene_60994

Plasmid Information

URL: http://www.addgene.org/60994

Proper Citation: RRID:Addgene_60994

Insert Name: EGFP

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: PMID:26010570

Vector Backbone Description: Vector Backbone:pMTB; Vector Types:Zebrafish; Bacterial Resistance:Ampicillin

Comments: Multibow constructs contain repetitive loxP sites that make these constructs prone to recombination. The constructs display a few issues with bacterial stability and sequencing that need to be considered when amplifying, storing and using them. First, in our hands Multibow constructs have displayed instability in E.coli cultures and had low yield in Maxi/Midi-preps. Mini-prep is recommended to harvest Multibow constructs. For transformation, we have had success with 5-alpha F'Iq cells (NEB). Second, the sequencing of Multibow constructs may run into problems of low quality/inaccurate reads. A problematic trace file does not necessarily mean the construct is wrong or the sample has mixed sequences. Third, before using the constructs harvested from mini-prep for injections, we recommend a further purification step using DNA purification kits such as MinElute PCR purification kit (Qiagen). All Multibow constructs share a backbone of pMTB vector (AMP resistance) containing the tol2 sites for transgenic insertion and the loxP recombination sites. To validate the variable region, we recommend sequencing with this specific primer: 5'-CAGCAGGACCATTTATCATGCTGCTGC-3', which recognizes the end of the variable region. The Sp6 primer may not provide enough reading length to reach the variable region.

Plasmid Name: pMTB-Multibow-hG

Record Creation Time: 20220422T222350+0000

Record Last Update: 20260815T081738+0000

Ratings and Alerts

No rating or validation information has been found for pMTB-Multibow-hG.

No alerts have been found for pMTB-Multibow-hG.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We have not found any literature mentions for this resource.