

Automated MetClo Assembly Plan

3 Assemblies

Assembly Name: 2frag Assembly Size: 21,949 (Recommend: Electroporation)

3 Parts

MpMXBP_pFa	pa	aq
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Reagents

ligase_buffer.1	ligase_buffer.2	ligase_buffer.3	ligase	bsai
2.0	0.5	0.5	0	

Assembly Name: 3frag Assembly Size: 29,494 (Recommend: Electroporation)

4 Parts

MpMXBP_pFa	pa	ab	bq
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Reagents

ligase_buffer.1	ligase_buffer.2	ligase_buffer.3	ligase	bsai
2.0	0.5	0.5	0	

Assembly Name: 4frag Assembly Size: 37,286 (Recommend: Electroporation)

5 Parts

MpMXBP_pFa	pa	ab	bc
cq			

Reagents

ligase_buffer.1	ligase_buffer.2	ligase_buffer.3	ligase	bsai
2.0	0.5	1.0	0	

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9 Parts

Part Name	Size	Conc.	Times Used	Volume(30fmol)	Total Volume*1.2
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Reagents Total * 1.25

ligase_buffer.1	ligase_buffer.2	ligase_buffer.3	ligase	bsai
[200]	[200]	[50]	[1.5]	[2.0]

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OT2 Set-Up Instructions

Materials