

Automated MetClo Assembly Plan

3 Assemblies

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

3 Parts

| | | |
|------------|----|----|
| MpMXBP_pFa | pa | aq |
|------------|----|----|

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 |
|------------|----|----|----|

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 |
|-----------|------|-------|------------|----------------|------------------|
|-----------|------|-------|------------|----------------|------------------|

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