

BglII **XbaI**

```

CGCTGCCCCGAGATCTCGATCCC GCGAAATTAATACGACTCACTATAGGGAGACCACAACGGTTTCCCTCTAGAAA
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
GCGACGGGCTCTAGAGCTAGGGCGCTTTAATTATGCTGAGTGATATCCCTCTGGTGTGGCCAAAGGGAGATCTTT
  
```

T7 promoter →

3000

NdeI **NheI**

```

TAATTTTGTTTAACTTTAAGAAGGAGATATACATATGGCTAGCATGACTGGTGGACAGCAAATGGGTCGGGATTC
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
ATAAAACAAATTGAAATTCTTCCTCTATATGTATACCGATCGTACTGACCACCTGTCGTTTACCCAGCCCTAAG
  
```

1 5 10
Met Ala Ser Met Thr Gly Gly Gln Gln Met Gly Arg Asp Ser

T7 tag →

3075

HindIII **KpnI** **SacI** **BamHI** **SpeI** **EcoRI** **EcoRV**

```

AAGCTTGGTACCGAGCTCGGATCCACTAGTAACG GCCGCCAGTGTGCTGGAATTCTGCAGATATCCATCACACTG
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
TTCGAACCATGGCTCGAGCCTAGGTGATCATTGCCGGCGGTCACACGACCTTAAGACGTCTATAGGTAGTGTGAC
  
```

Ser Leu Val Pro Ser Ser Asp Pro Leu Val Thr Ala Ala Ser Val Leu Glu Phe Cys Arg Tyr Pro Ser His Trp

(in frame with T7 tag)

3150

MCS

NotI **XhoI** **BlnI**

```

GCGGCCGCTCGAGCAGATCCGGCTGCTAACAAAGCCCGAAAGGAAGCTGAGTTGGCTGCTGCCACCGCTGAGCAA
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
CGCCGGCGAGCTCGTCTAGGCCGACGATTGTTTCGGGCTTTCCTTCGACTCAACCGACGACGGTGGCGACTCGTT
  
```

Arg Pro Leu Glu Gln Ile Arg Leu Leu Thr Lys Pro Glu Arg Lys Leu Ser Trp Leu Leu Pro Pro Leu Ser Asn

(in frame with T7 tag)

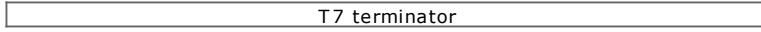
3225

MCS

TAACTAGCATAAACCCTTGGGGCCTCTAAACGGGTCTTGAGGGGTTTTTGGCTGAAAGGAGGAACCTATATCCGGA
ATTGATCGTATTGGGGAACCCCGGAGATTTGCCCAGAACTCCCCAAAAACGACTTTCCTCCTTGATATAGGCCT

3300

Asn ■
----->



TAA 3'
+++ ... 3303
ATT 5'