

## S1 Text. Concatemer construct sequences

>Class I concatemer construct

```
cggatctaccagattctggccatctacatcaccatcggcaagtgccccaagtactctctgc
tgaccgaagtggaaacatatggccccggaccggcaccagtgccgatcagcagctctctgta
cggacccggaccggggagatgaacgccccaaactatcactatctggccagctgcatggga
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acgccttcgacgagcggcggaaacaatacgataccgtgcacgaccggacccccctatctgac
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tacggcaccatcaaggacagaagccccataacgcccacacactgtgcatcggctatgggc
ccggacccgggggaatggtggatgggtggtagcggctactgcaccgagctgaagctgagcga
ctatggaccggaccggcgtgtcagatggcggcccaaatctgtacgaaatctgccccaaag
ctggccgagtagaagagctgcatcaaccgggtgcttctaccaagtgtcccggccccatgtttc
tgtacggcgccaagaagtggctctgagctacggaccggaccggcgaactggatgcccc
aaactaccactacgatctgctggaaaatctgcaagcctacgccagccaaggcaccaagcgg
agctacaacaccgatctggaagctctgatggaaaacatggacaaggccgtgaagctgatac
tgagcaccgccagcagctggtcttacggaccggaccggcggaatgatcgacgggtggtg
tgataactgatga
```

>Class II concatemer construct

```
acaagaggcgtgcagatcgccagcaacgagaacgtggaaaccatggacagcaacacactgg
aactgcggacatacgtgctgagcatcatccccagcggccctctgaaggccgagatcgccca
gagactggaaagcgtgtacagatacggcttcgtggccaacttcagcatggaaactgcccagc
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cgcatgagcaagatgcagctgggctccagcagcagatgatgggcatgttcaatatgctga
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ggtgccccggtacagatccaagtttctgctgatggacgctctgaagctgtccatcgaggac
cctagctgcatgggactgatctacaaccggatgggcaccgtgaccaccgaggccgcttttg
gactcgtgtgcttcgagcagatcactttcatgcaagctctgcagctgctgctggaagtgga
aaaccagacttacgtgaacatcagcaacaccaacttcgccgctggccagagcgtggtgtcc
gtgaagctggtgcccagatacgcctttgccatggaacggaatgccggcagcggcatcatca
tcagcgaagtgcacatctactatctggaaaaggccaacaagatcaagagcagaaaaacca
catccacatctttggccccggaccggcatggccaatctgattctgcagatcggcaacatc
atctccatctggatcagccactctatcgaggatctgatctttctggctcggagcgcactga
ttctgagagggcagcgtggccccacaagagctgtctgccaccagacagatggtgcacgccat
gagaaccatcggcaccaccctagctctagcgcctccgtgggtgtctgtgaaactggccggc
aatagctctctgtgccccgtgtccaccggatctaccagattctggccatctacagcaccg
tgccctcttctctggtgctcgtgtgatga
```