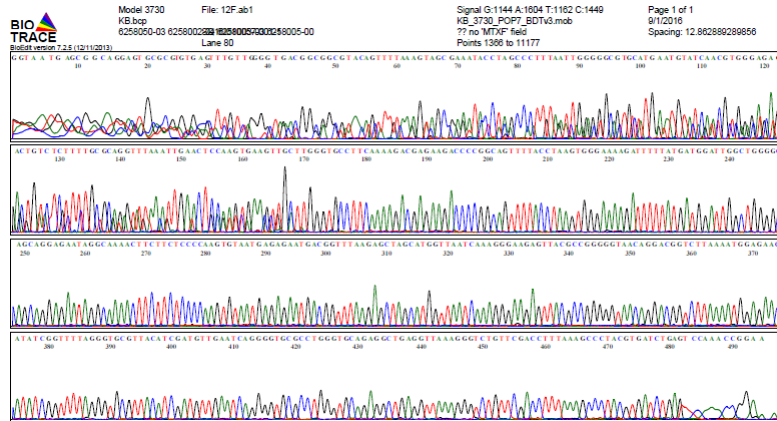


Pearl 12 sequence data

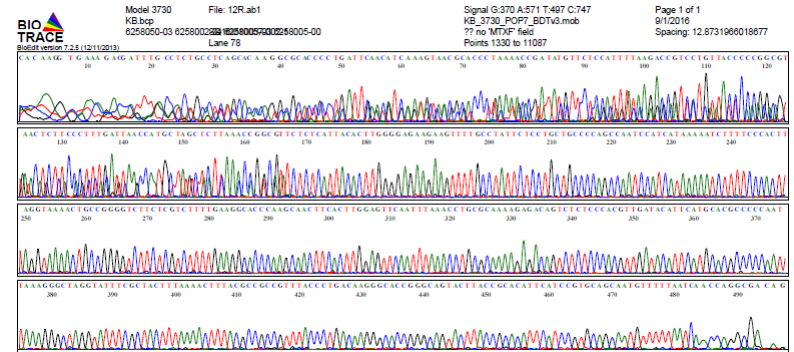
Forward raw data



GGTAATGAGCGGCAGGAGTGC CGTGTGAGTTTGTG
 GGGTGACGGCGGCGTACAGT**TTTAA**GTAGCGAAATA
 CCTAGCCCTTTAATTGGGGCGTGCATGAATGTATCAAC
 GT

 GGGTGCGCCTGGGTGCAGAGGCTGAGGTTAAAGGGTC
 TGTTGCACCTTTAAAGCC**TACGTGAT**TCTGAGTCCAAAC
 CGGAA

Reverse raw data



CACAAGGTGAAAGACGATTGCTCTGCCTCAGCACAAAGGC
 GCACCCCTGATTCAACATCAAAGTACGCACCCTAAAACCGA
 TATGTTCTCCATTTAAGACCGTCTGTTACCCCT

 AAAACTTTACGCCGCCGTTTACCCTGACAAGGGCACCGGGC
 AGTACTTACCGCACATTCATCCGT**GCAGCAATGTTTTTAA**TC
 ACCAGGCGACAGA

CGCCTGGTTGATTAAAAACATTGCTGCACGGATGAATGTGCGGTAAGTACTGCCCGGTGCCCTTGTGAGGGTAAACGGCGGC
 GTAA**AGT**TTTTAAAGTAGCGAAATACCTAGCCCTTTAATTGGGGGCGTGCATGAATGTATCAACGTGGGAGAGACTGTCTCTTTT
 GCGCAGGTTTAAATTGAACTCCAAGTGAAGTTGCTTGGGTGCCTTCAAAGACGAGAAGACCCCGGCAGTTTTTACCTAAGTG
 GGAAAAGATTTTTATGATGGATTGGCTGGGGCAGCAGGAGAATAGGCCAAACTTCTTCTCCCAAGTGTATGAGAGAATGA
 CGGTTTAAAGAGCTAGCATGGTTAATCAAAGGGAAGAGTTACGCCGGGGTAACAGGACGGTCTTAAAATGGAGAACATATCG
 GTTTTAGGGTGC**TAC**ATCGATGTTGAATCAGGGGTGCGCCTGGGTGCAGAGGCTGAGGTTAAAGGGTCTGTTTCGACCTTT
 AAAGCC**TACGTGATCTGAGTTCAAACCGG**

Pearl 14 sequence data

Forward raw data

CTCATGGAAAGGCAATACGGGCGGGTACGTTGTAGGGTTG
CGGCGGCGTAAAGTTTTAAAGTAGCGAAATACCTAGCCC
TTTAATTGGGGCGTGCATGAATGTATCAACGTGGGAGAGAC
TGCTCTTTTGCAGGTTTAAATTGAACTCCAAGTGA
AGTTGCTTGGGTGCCTTCAAAGACGAGAAGACCCCGGCAG
TTTTACCTAAGTGGGAAAAGATTTTTATGATGGATTGGC
TGGGGCAGCAGGAGAATAGGCAAAACCTTCTTCTCCCAAGT
GTAATGAGAGAATGACGGTTTAAAGAGCTAGCATGGTTAA
TCAAAGGGAAGAGTTACGCCGGGGTAACAGGACGGTCTTA
AAATGGAGAACATATCGGTTTTAGGGTGC GTTACATCGA
TGTTGAATCAGGGGTGCGCCTGGGTGCAGAGGCTGAGGTTA
AAGGGTCTGTTTCGACCTTTAAAGCCC**TA**AATAACAACCAGTG
CGACCGGGTTGATCTAAAATCACGTAGCGCTGACCCGAATTCT
AAACACCATTGTGAACTAATC

Reverse raw data

GCCTAACGATCGTGACCCATGTTTTTAGCCTCTGCGCCCG
GGCGCACCCCTGATTCAACATCGATGTAACGCACCCTAA
AACCGATATGTTCTCCATTTTAAAACCGTCCTGTTACCCCC
GGCGTAACTCTTCCCTTTGATTAACCATGCTAGCTCTTAA
ACCGTCATTCTCTCATTACACTTGGGGAGAAGAAGTTTTG
CCTATTCTCCTGCTGCCCCAGCCAATCCATCATAAAAATC
TTTTCCCACTTAGGTA AAACTGCCGGGGTCTTCTCGTCTT
TTGAAGGCACCCAAGCAACTTCACTTGGAGTTCAATTTAA
ACCTGCGCAAAGAGACAGTCTCTCCACGTTGATACATT
CATGCACGCCCCAATTAAGGGCTAGGTATTTTCGCTACT
TTAAAACTTTACGCCGCCGTTTACCCTGACAAGGGCACCG
GGCAGTACTTACCGCACATTCATCCGT**GCA**TCATAGATCT
TACAGGCGGCCGGTTTGAATTA AAAATCACGTTGCGCCGA
GCTAGATTTTAAAAAACAGTGTCTGTATTACGT

CGCCTGGTTGATTAAAAACATTGCTGCACGGATGAATGTGCGGTAAGTACTGCCCGGTGCCCTTGTGAGGGTAAA**CGG**CGGC
GTAAAGTTTTAAAGTAGCGAAATACCTAGCCCTTAATTGGGGCGTGCATGAATGTATCAACGTGGGAGAGACTGTCTCTTTT
GCGCAGGTTTAAATTGAACTCCAAGTGAAGTTGCTTGGGTGCCTTCAAAGACGAGAAGACCCCGGCAGTTTTACCTAAGTG
GGAAAAGATTTTTATGATGGATTGGCTGGGGCAGCAGGAGAATAGGCAAAACCTTCTTCTCCCAAGTGAATGAGAGAATGA
CGGTTTAAAGAGCTAGCATGGTTAATCAAAGGGAAGAGTTACGCCGGGGTAACAGGACGGTCTTAAAATGGAGAACATATCG
GTTTTAGGGTGC GTTACATCGATGTTGAATCAGGGGTGC**GCC**TGGGTGCAGAGGCTGAGGTTAAAGGGTCTGTTTCGACCTT
AAAGCCC**TACGTGATCTGAGTTCAAACCGG**

Pearl 19 sequence data

Forward raw data

CTAGACTGGATCGAGAGTGTGCTGCGCGAGTGGGTTGTCAGGGTTC
CACACGCGGCGTA**AAG**TTTTAAAGTAGCGAAATACCTAGCCCTTT
AATTGGGGGCGTGCATGAATGTATCAACGTGGGAGAGACTGTCT
CTTTTGCGCAGGTTTAAATTGAACTCCA
AGTGAAGTTGCTTGGGTGCCTTCAAAGACGAGAAGACCCCGG
CAGTTTTACCTAAGTGGGAAAAGATTTTTATGATGGA
TTGGCTGGGGCAGCAGGAGAATAGGCCAAACTTCTTCTCCCAA
GTGTAATGAGAGAATGACGGTTTAAAGAGCTAGCATG
GTTAATCAAAGGGAAGAGTTACGCCGGGGGTAACAGGACGGTC
TTAAAATGGAGAACATATCGGTTTTAGGGTGCCTTAC
ATCGATGTTGAATCAGGGGTGCGCCTGGGTGCAGAGGCTGAGG
TTAAAGGGTCTGTTTCGACCTTTAAAGCC**TACGTGATCTGAGTTT**
~~AAACCGGAATA~~

Reverse raw data

~~CGCCATTGTTGATTATCACCAGGCGACGGCCTCTGCG~~**CCC**AGGC
GCACCCCTGATTCAACATCGATGTAACGCACCCTAAAACCGATAT
GTTCTCCATTTTAAAGACCGTCCTGTTACCCCGGCGTAACTCTTCC
CTTTGATTAACCATGCTAGCTCTTA
AACCGTCATTCTCTCATTACACTTGGGGAGAAGAAGTTTTGCCTA
TTCTCCTGCTGCCCCAGCCAATCCATCATAAAAAT
CTTTTCCCACTTAGGTAAAAGTCCCGGGGTCTTCTCGTCTTTTGA
AGGCACCCAAGCAACTTCACTTGGAGTTCAATTTA
AACCTGCGCAAAGAGACAGTCTCTCCACGTTGATACATTCATG
CACGCCCCAATTAAAGGGCTAGGTATTTTCGCTAC
TTTAAAAGTTTACGCCGCGTTTACCCTGACAAGGGCACCAGGGC
AGTACTTACCGCACATTTCATCCGT**GCAGCAATGTTTTAA**TCAA
CCAGGCGAGAGA

CGCCTGGTTGATTAAAACATTGCTGCACGGATGAATGTGCGGTAAGTACTGCCCGGTGCCCTTGTCAGGGTAAACGGCGGC
GTAA**AAG**TTTTAAAGTAGCGAAATACCTAGCCCTTTAATTGGGGGCGTGCATGAATGTATCAACGTGGGAGAGACTGTCTCTTT
TGCGCAGGTTTAAATTGAACTCCAAGTGAAGTTGCTTGGGTGCCTTCAAAGACGAGAAGACCCCGGCAGTTTTTACCTAAGT
GGGAAAAGATTTTTATGATGGATTGGCTGGGGCAGCAGGAGAATAGGCCAAACTTCTTCTCCCAAGTGTAAATGAGAGAATG
ACGGTTTAAAGAGCTAGCATGGTTAATCAAAGGGAAGAGTTACGCCGGGGGTAACAGGACGGTCTTAAAATGGAGAACATATC
GGTTTTAGGGTGCCTTACATCGATGTTGAATCAGGGGTGCGCCT**GGG**TGCAGAGGCTGAGGTTAAAGGGTCTGTTTCGACCTT
TAAAGCC**TACGTGATCTGAGTTCAAACCGG**

Pearl 20 sequence data

Forward raw data

Reverse raw data

CCATGATCCGAGTGTACCGGCCGGCCGTTGTCTAAAAAATT
GCTGCGGCCCAACCTTAAAGGAGCTGAATCCCTAGCCC
TGTAATTGGGGGCATTATGAGTGTATCAACGTGGGACAGACT
GACTCTTTTGGGAGGGTTAAATTGAACTCCAAGTGAAG
TTGCTTGGGGGCCTTCAAAGACGAGAAGACCCCGGCAGTT
TTACCTAAGTGGGAAAAGATTTTTATGATGGATTGGCTG
GGGCAGCAGGAGAATAGGCAAACTTCTTCTCCCAAGTGTA
ATGAGAGAATGACGGTTTAAAGAGCTAGCATGGTTAATC
AAAGGGAAGAGTTACGCCGGGGTAACAGGACGGTCTTAA
AATGGAGAACATATCGGTTTTAGGGTGC GTTACATCGATG
TTGAATCAGGGGTGCGCCTGGGTGCAGAGGCTGAGGTTAAA
GGGTCTGTTTCGACCTTTAAAGCCCTACGTGATCTGAGTC
AAACCGGACGAGGCTTGAACCTCAGATCATGTATGCGGCGGC
AATGTTTTTAATCAACCAGGCGACCGGTTTGAACCTCAA
TCATATAGTGCACCCCAATGTTTTTAATCTGAACAGCGACCCG
TTGAATTTCAAATCAGTAAAACCTCTACCTCTGATCTT
CTTTCGATACCGAGCGGATCGATTTTCGTTATGATCTCTCTGCG
GACTGTGTTTGTGTATTCTACGGCACGGTCGCAGTA
GAATGGAGTTTACAAAAACCGACTGAGCTGATTTTCATTGTTA
CAACGAGCCTCTGTTATTGTTTAATCGCTGAAGAACG
TCCCATACCTTATGAACTGT

CGCCTGGTTGATTAAAAACATTGCTGACGGATGAATGTGCGGTAAGTACTGCCCGGTGCCCTTGTCAGGGTAAACGGCGGC
GTAAAGTTTTAAAGTAGCGAAATACCTAGCCCTTAAATTGGGGGCGTGCATGAATGTATCAACGTGGGAGAGACTGTCTCTTTT
GCGCAGGTTAAATTGAACTCCAAGTGAAGTTGCTTGGGTGCCTTCAAAGACGAGAAGACCCCGGCAGTTTTACCTAAGTG
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CGGTTTAAAGAGCTAGCATGGTTAATCAAAGGGAAGAGTTACGCCGGGGTAACAGGACGGTCTTAAATGGAGAACATATCG
GTTTTAGGGTGC GTTACATCGATGTTGAATCAGGGGTGCGCCTGGGTGCAGAGGCTGAGGTTAAAGGGTCTGTTTCGACCTT
AAAGCCCTTACGTGATCTGAGTTCAAACCGG