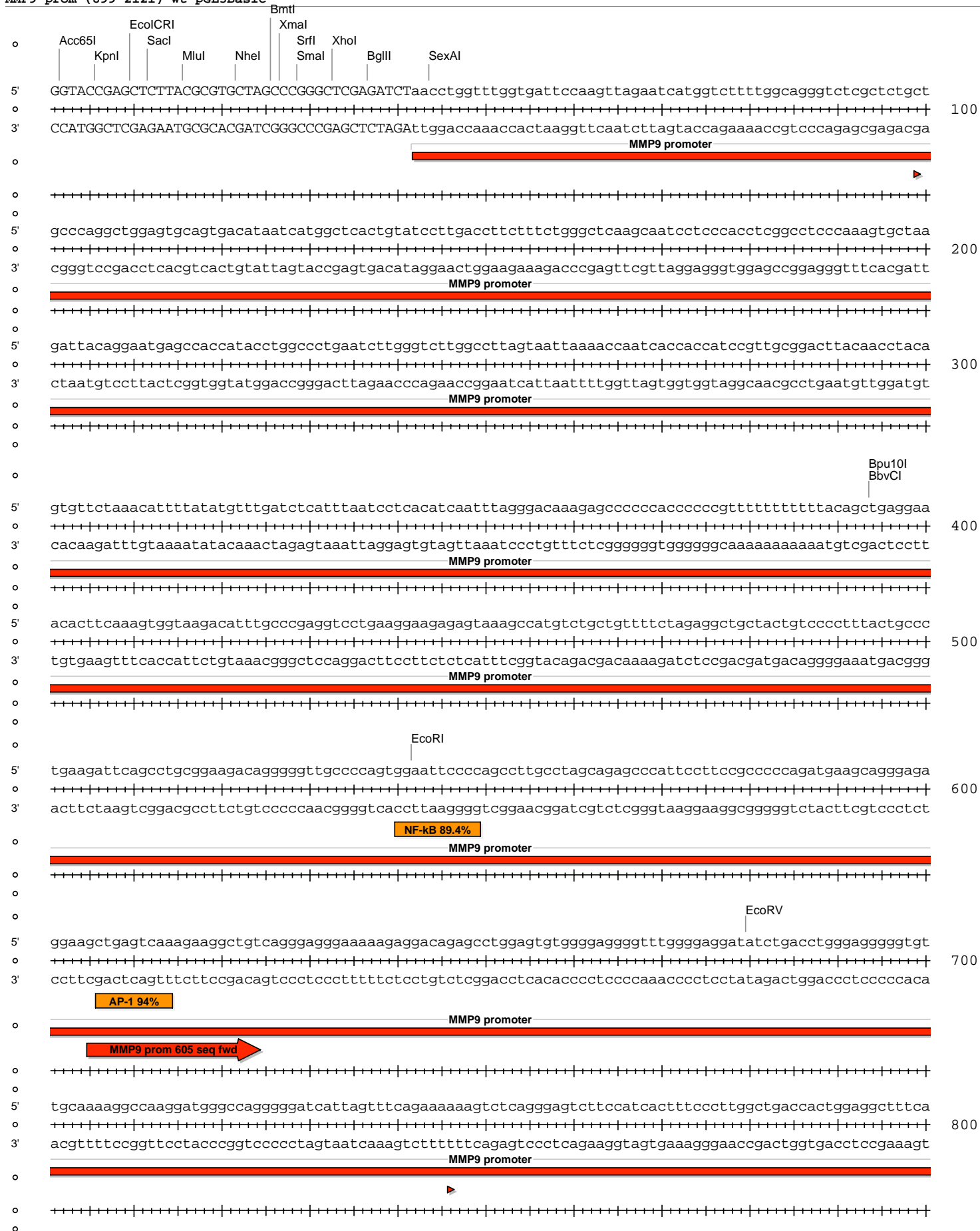


Absent Sites	0	AatII, AbsI, AfIII, AgeI, AjuI, AjuI', AlfI, AlfI', ApaI, ArsI, ArsI', AscI, AsiSI, AvrII, BaeI, BaeI', BarI, BarI', BplI, BmgBI, BsiWI, BsmBI, BssHII, BstAPI, BstEII, BstXI, BstZ17I, CspCI, CspCI', Fall, Fall', FspAI, MauBI, MreI, MscI, NdeI, NruI, NsiI, PacI, Pasi, PmeI, PmlI, PspOMI, PspXI, PsrI, PsrI', RsrII, SacII, SanDI, SbfI, SfiI, SgrDI, SnaBI, SpeI, StuI, SwaI, Tth111I, ZraI
Acc65I	1	2 (6030)
Accl	1	3224 (6030)
Afel	1	3349 (6030)
AhdI	1	4366 (6030)
AleI	1	1245 (6030)
Alol	1	5586 (6030)
Alol'	1	5554 (6030)
AseI	1	4538 (6030)
BbeI	1	1337 (6030)
BbvCI	1	394 (6030)
BclI	1	1881 (6030)
BglIII	1	37 (6030)
BmtI	1	26 (6030)
Bpu10I	1	394 (6030)
BsaAI	1	5515 (6030)
BsaBI	1	3216 (6030)
BsrGI	1	1791 (6030)
BstBI	1	1470 (6030)
Bsu36I	1	897 (6030)
BtgZI	1	5510 (6030)
DraIII	1	5518 (6030)
EcoICRI	1	10 (6030)
EcoRI	1	542 (6030)
EcoRV	1	680 (6030)
FseI	1	2974 (6030)
HindIII	1	1266 (6030)
HpaI	1	3115 (6030)
KasI	1	1333 (6030)
KpnI	1	6 (6030)
MluI	1	16 (6030)
NarI	1	1334 (6030)
NcoI	1	1299 (6030)
NheI	1	22 (6030)
NotI	1	5864 (6030)
PciI	1	3473 (6030)
PfIMI	1	810 (6030)
PfoI	1	1408 (6030)
PshAI	1	3288 (6030)
SacI	1	12 (6030)
SalI	1	3223 (6030)
SexAI	1	44 (6030)
SfoI	1	1335 (6030)
SgrAI	1	2729 (6030)
SmaI	1	29 (6030)
SphI	1	1964 (6030)
SrfI	1	29 (6030)
TstI	1	2864 (6030)
TstI'	1	2832 (6030)
XcmI	1	2036 (6030)
XhoI	1	33 (6030)
XmaI	1	27 (6030)





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5' AAAAAATTTTGAACGTGCAAAAAAAGCTCCCAATCATCCAAAAAATTATTATCATGGATTCTAAAACGGATTACCAGGGATTTAGTTCGATGTACACGTTC  
o ++++++ 1800  
3' TTTTAAAACCTGCACGTTTTTTTCGAGGGTTAGTAGGTTTTTTAATAATAGTACCTAAGATTTTGCCTAATGGTCCCTAAAGTCAGCTACATGTGCAAG  
o ++++++  
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5' GTCACATCTCATCTACCTCCCGGTTTTAATGAATACGATTTTGTGCCAGAGTCCTTCGATAGGGACAAGACAATTGCACTGATCATGAACTCCTCTGGAT  
o ++++++ 1900  
3' CAGTGTAGAGTAGATGGAGGGCCAAAATTACTTATGCTAAAACACGGTCTCAGGAAGCTATCCCTGTTCTGTTAACGTGACTAGTACTTGAGGAGACCTA  
o ++++++  
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5' CTA CTGGTCTGCCTAAAGGTGTCGCTCTGCCTCATAGAACTGCCTGCGTGAGATTCTCGCATGCCAGAGATCCTATTTTTGGCAATCAAATCATTCCGGA  
o ++++++ 2000  
3' GATGACCAGACGGATTTCCACAGCGAGACGGAGTATCTTGACGGACGCACTCTAAGAGCGTACGGTCTCTAGGATAAAAACCGTTAGTTTAGTAAGGCCT  
o ++++++  
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5' TACTGCGATTTAAGTGTGTTCCATTCCATCACGGTTTTTGGAAATGTTTACTACACTCGGATATTTGATATGTGGATTTTCGAGTCGTCTTAATGTATAGA  
o ++++++ 2100  
3' ATGACGCTAAAATTCACAACAAGGTAAGGTAGTGCCAAAACCTTACAAATGATGTGAGCCTATAAATATACACCTAAAGCTCAGCAGAATTACATATCT  
o ++++++  
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5' TTTGAAGAAGAGCTGTTTCTGAGGAGCCTTCAGGATTACAAGATTCAAAGTGCCTGCTGGTGCCAACCCCTATTCTCCTTCTTCGCCAAAAGCACTCTGA  
o ++++++ 2200  
3' AAATCTCTTCGACAAGACTCCTCGGAAGTCTAATGTTCTAAGTTTACACGCGACACCAGGTTGGGATAAGAGGAGAAGCGGTTTTCTGTGAGACT  
o ++++++  
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5' TTGACAAATACGATTTATCTAATTTACACGAAATGCTTCTGGTGGCGCTCCCTCTCTAAGGAAGTCGGGGAAGCGGTTGCCAAGAGGTTCCATCTGCC  
o ++++++ 2300  
3' AACTGTTTATGCTAAATAGATTAAATGTGCTTTAACGAAGACCACCGCGAGGGGAGAGATTCCTTCAGCCCCCTTCGCCAACGGTTCTCCAAGGTAGACGG  
o ++++++  
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5' AGGTATCAGGCAAGGATATGGGCTCACTGAGACTACATCAGCTATTCTGATTACACCCGAGGGGGATGATAAACCGGGCGCGGTTCGGTAAAGTTGTTCCA  
o ++++++ 2400  
3' TCCATAGTCCGTTCTTATACCCGAGTACTCTGATGTAGTCGATAAGACTAATGTGGCTCCCCCTACTATTTGGCCCGCCAGCCATTTCAACAAGGT  
o ++++++  
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5' TTTTTGAAGCGAAGGTTGTGGATCTGGATACCGGAAAACGCTGGGCGTTAATCAAAGAGGCGAACTGTGTGTGAGAGGTCCTATGATTATGTCGGTT  
o ++++++ 2500  
3' AAAAAACTTCGCTTCCAACACCTAGACCTATGGCCCTTTTGCACCCGCAATTAGTTTCTCCGCTTGACACACACTCTCCAGGATACTAATACAGGCCAA  
o ++++++  
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5' ATGTAAACAATCCGGAAGCGACCAACGCCTTGATTGACAAGGATGGATGGCTACATTCTGGAGACATAGCTTACTGGGACGAAGACGAACACTTCTTCAT  
o ++++++ 2600  
3' TACATTTGTTAGGCCCTTCGCTGGTTGCGGAACCTAAGTCTTCTACCTACCGATGTAAAGACTCTGTATCGAATGACCCTGCTTCTGCTTGTGAAGAAGTA  
o ++++++  
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5' CGTTGACCGCCTGAAGTCTCTGATTAAGTACAAAGGCTATCAGGTGGCTCCCGCTGAATTGGAATCCATCTTGCTCCAACACCCCAACATCTTCGACGCA  
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3' GCAACTGGCGGACTTCAGAGACTAATTCATGTTTCCGATAGTCCACCGAGGGCGACTTAACCTTAGGTAGAACGAGGTTGTGGGTTGTAGAAGCTGCGT  
o ++++++  
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5' GGTGTCGAGGCTTCCCGACGATGACCGCGTGAACCTCCCGCCCGGTTGTTGTTTTGGAGCACGAAAGACGATGACGGAAAAAGAGATCGTGGATT  
o ++++++ 2800  
3' CCACAGCGTCCAGAAGGGCTGCTACTGCGGCCACTTGAAGGGCGGCGCAACAACAAAACCTCGTGCCTTCTGCTACTGCCTTTTTTCTCTAGCACCTAA  
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5' ACGTCGCCAGTCAAGTAACAACCGCGAAAAAGTTGCGCGGAGGAGTTGTGTTTGTGGACGAAGTACCAGAAAGTCTTACCGGAAAACCTCGACGCAAGAAA 2900  
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3' TGCAGCGGTGAGTTCATTGTTGGCGCTTTTCAACGCGCTCCTCAACACAAACACCTGCTTCATGGCTTCCAGAATGGCCTTTTGAGCTGCGTTCCTT  
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3' CGTTATTTGTTCAATTTGTTGTTAACGTAAGTAAAATACAAAGTCCAAGTCCCCTCCACACCTCCAAAAAATTCGTTTCATTTTGGAGATGTTTAC  
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5' TGGTAAAATCGATAAGGATCCGTCGACCGATGCCCTTGAGAGCCTTCAACCCAGTCACTCCTTCCGGTGGGCGCGGGGCATGACTATCGTCGCCGCACT 3300  
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3' ACCATTTTAGCTATTCTAGGAGCTGGCTACGGGAACCTCGGAAGTTGGGTCAGTCGAGGAAGGCCACCCGCGCCCCGACTGATAGCAGCGGCGTGA  
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5' CGACAGGACTATAAAGATAACCAGGCGTTTCCCCCTGGAAGCTCCCTCGTGCCTCTCCTGTTCCGACCTGCCGCTTACCGGATACCTGTCCGCCTTTCT 3700  
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3' GCTGTCTGATATTTCTATGGTCCGCAAAGGGGACCTTCGAGGGAGCACGCGAGAGGACAAGGCTGGGACGGCGAATGGCCTATGGACAGGCGGAAAGA  
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5' CCCTTCGGGAAGCGTGGCGCTTTCTCATAGCTCAGCTGTAGGTATCTCAGTTCCGTTGAGGTCGTTCCGCTCCAAGCTGGGCTGTGTGCACGAACCCCC 3800  
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5' GTTCAGCCCGACCGCTGCGCCTTATCCGGTAACTATCGTCTTGTAGTCCAACCCGTAAGACACGACTTATCGCCACTGGCAGCAGCCACTGGTAACAGGA 3900  
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3' CAAGTCGGGCTGGCGACGCGGAATAGGCCATTGATAGCAGAACTCAGGTTGGGCCATTCTGTGCTGAATAGCGGTGACCGTCTGCGGTGACCATTGTCTCT  
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5' TTAGCAGAGCGAGGTATGTAGCGGTGCTACAGAGTCTTGAAGTGGTGGCTAACTACGGCTACACTAGAAGAACAGTATTTGGTATCTGCGCTCTGCT  
o ++++++ 4000  
3' AATCGTCTCGCTCCATACATCCGCCACGATGTCTCAAGAACTTACCACCGGATTGATGCCGATGTGATCTTCTGTGCATAAACCATAGACGCGAGACGA  
o ++++++  
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5' GAAGCCAGTTACCTTCGGAAGAGTGGTAGCTCTTGATCCGGCAAACAAACCACCGCTGGTAGCGGTGGTTTTTTTTGTTGCAAGCAGCAGATTACG  
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3' CTTCGGTCAATGGAAGCCTTTTTCTCAACCATCGAGAAGTACAGCCGTTTGTGGTGGCGACCATCGCCACCAAAAAACAACGTTTCGTCTAATGC  
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3' GCGTCTTTTTTCTAGAGTTCTTCTAGGAACTAGAAAAGATGCCCCAGACTGCGAGTACCTTGCTTTTGTAGTGCAATTCCTAAAACAGTACTCTA  
o ++++++  
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3' ATAGTTTTTCTAGAGTGGATCTAGGAAAATTAATTTTTACTTCAAAATTTAGTTAGATTTTCATATATACTCATTGAAACAGACTGTCAATGGTTAC  
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5' CTTAATCAGTGAGGCACCTATCTCAGCGATCTGTCTATTTTCGTTTCATCCATAGTTGCCTGACTCCCCGTCGTGTAGATAACTACGATACGGGAGGGCTTA  
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3' GAATTAGTCACTCCGTGGATAGAGTTCGTAGACAGATAAAGCAAGTAGGTATCAACGGACTGAGGGGAGCAGACATCTATGATGCTATGCCCTCCCGAAT  
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3' GGTAGACCGGGGTCACGACGTTACTATGGCGCTCTGGGTGCGAGTGGCCGAGGCTAAATAGTCGTTATTTGGTTCGGTTCGGCTTCCCGGCTCGCGTCTT  
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3' ACGTTTTTTCGCCAATCGAGGAAGCCAGGAGGTAGCAACAGTCTTCATTCAACCGCGTCAACAATAGTACCAATACCGTCTGACGTATTAAGAG  
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5' TTACTGTCATGCCATCCGTAAGATGCTTTTCTGTGACTGGTGGTACTCAACCAAGTCAATCTGAGAATAGTGTATGCGGCGACCGAGTTGCTCTTGCCC  
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3' AATGACAGTACGGTAGGCATTCTACGAAAAGACACTGACCACTCATGAGTTGGTTCAGTAAGACTCTTATCACATACGCCGCTGGTCAACGAGAACGGG  
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5' GCGTCAATACGGGATAATACCGCGCCACATAGCAGAACTTTAAAAGTGCTCATCATTTGAAAACGTTCTTCGGGGCGAAAACCTCAAGGATCTTACCG  
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3' CCGCAGTTATGCCCTATTTATGGCGCGGTGATCGTCTTGAATTTTTCACGAGTAGTAACCTTTTGAAGAAGCCCGCTTTTGTAGAGTTCTTAGAATGGC  
o ++++++  
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5' CTGTTGAGATCCAGTTCGATGTAACCCACTCGTGCACCAACTGATCTTCAGCATCTTTTACTTTTACCAGCGTTTCTGGGTGAGCAAAAACAGGAAGGC  
o ++++++ 5100  
3' GACAACCTTAGGTCAAGCTACATGGGTGAGCAGTGGTGGTACTAGAAGTCGTAGAAAATGAAAGTGGTTCGCAAGACCCACTCGTTTTTGTCCCTCCG  
o ++++++  
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5' AAAATGCCGCAAAAAAGGGAATAAGGGCGACACGAAATGTTGAATACTCATACTCTTCTTTTCAATATTATGAAGCATTATCAGGGTTATTGTCT  
o ++++++ 5200  
3' TTTTACGGCGTTTTTTCCTTATTCCCGCTGTGCCTTTTACAACCTATGAGTATGAGAAGGAAAAGTTATAATAACTTCGTAATAGTCCCAATAACAGA  
o ++++++  
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AhdI

AseI

