

amHI , EcoRI , Sal I , NotI
pPICHOI-1 (3579 bp)

1 AGATCTAACA TCCAAAGACG AAAGGTTGAA TGAAACCTTT TTGCCATCCG ACATCCACAG
61 GTCCATTCTC ACACATAAGT GCCAAACGCA ACAGGAGGGG ATACACTAGC AGCAGACCGT
121 TGCAAACGCA GGACCTCCAC TCCTCTTCTC CTCAACACCC ACTTTTGCCA TCGAAAAACC
181 AGCCCAGTTA TTGGGCTTGA TTGGAGCTCG CTCATTCCAA TTCCTTCTAT TAGGCTACTA
241 ACACCATGAC TTTATTAGCC TGTCTATCCT GGCCCCCTG GCGAGGTTCA TGTTTGTTTA
301 TTTCCGAATG CAACAAGCTC CGCATTACAC CCGAACATCA CTCCAGATGA GGGCTTTCTG
361 AGTGTGGGGT CAAATAGTTT CATGTTCCCC AAATGGCCCA AAATGACAG TTTAAACGCT
421 GTCCTTGAAC CTAATATGAC AAAAGCGTGA TCTCATCCAA GATGAACATA GTTTGGTTCTG
481 TTGAAATGCT AACGGCCAGT TGGTCAAAAA GAAACTTCCA AAAGTCGGCA TACCGTTTGT
541 CTTGTTTGGT ATTGATTGAC GAATGCTCAA AAATAATCTC ATTAATGCTT AGCGCAGTCT
601 CTCTATCGCT TCTGAACCCC GGTGCACCTG TGCCGAAACG CAAATGGGGA AACACCCGCT
661 TTTTGGATGA TTATGCATTG TCTCCACATT GTATGCTTCC AAGATTCTGG TGGGAATACT
721 GCTGATAGCC TAACGTTTCAT GATCAAAATT TAACTGTTCT AACCCCTACT TGACAGCAAT
781 ATATAAACAG AAGGAAGCTG CCCTGTCTTA AACCTTTTTT TTTATCATCA TTATTAGCTT
841 ACTTTCATAA TTGCGACTGG TTCCAATTGA CAAGCTTTTG ATTTTAACGA CTTTTAACGA
901 CAACTTGAGA AGATCAAAAA ACAACTAATT ATTCGAA GGA TCC TACGTAT TAATACGACT
961 CACTATATTT GCTTTGTGAG CGGATAACAA TTATAATAGA TTCAATTGTG AGCGGATAAC
1021 AATTTACAC AGAATTCATT AAAGAGGAGA AATTAACTAT GAGAGGATCG CATCACCATC
1081 ACCATCACGG ATCCCTGAAC GACATCTTCG AAGCTCAGAA AATCGAATGG AAAAA GGGTTC
1141 GAC CTGCAAG ATCT GCGGCC GCGAATTAAT TCGCCTTAGA CATGACTGTT CCTCAGTTCA
1201 AGTTGGGCAC TTACGAGAAG ACCGGTCTTG CTAGATTCTA ATCAAGAGGA TGTCAGAATG
1261 CCATTTGCCT GAGAGATGCA GGCTTCATTT TTGATACTTT TTTATTTGTA ACCTATATAG
1321 TATAGGATTT TTTTTGTCAT TTTGTTTCTT CTCGTACGAG CTTGCTCCTG ATCAGCCTAT
1381 CTCGCGACTG ATGAATATCT TGTGGTAGGG GTTTGGGAAA ATCATTGAG TTTGATGTTT
1441 TTCTTGTTAT TTCCCCTCC TCTTCAGAT ACAGAAGATT AAGTGAGACC TTCGTTTGTG
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1681 AGCTTCAAAA TGTTTTCTACT CCTTTTTTAC TCTTCCAGAT TTTCTCGGAC TCCGCGCATC
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1861 TTTTTCTTCC TCGAAAAAGG CAATAAAAA TTTTATCACG TTTCTTTTTT TTGAAATTTT
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2041 TTCATTAGAA AGAAAGCATA GCAATCTAAT CTAAGGGGCG GTGTTGACAA TTAATCATCG
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2161 ACCAGTGCCG TTCGGTGTCT CACCGCGCGC GACGTCGCCG GAGCGGTCGA GTTCTGGACC
2221 GACCGGCTCG GGTTCCTCCG GGACTTCGTG GAGGACGACT TCGCCGGTGT GGTCCGGGAC
2281 GACGTGACCC TGTTTCATCAG CGCGGTCCAG GACCAGGTGG TGCCGGACAA CACCCTGGCC
2341 TGGGTGTGGG TGCGCGGCCT GGACGAGCTG TACGCCGAGT GGTCGGAGGT CGTGTCCACG
2401 AACTTCCGGG ACGCTCCGG GCCGGCCATG ACCGAGATCG GCGAGCAGCC GTGGGGGCGG
2461 GAGTTCGCCC TGC CGGACCC GGCCGGCAAC TGCGTGCCT TCGTGGCCGA GGAGCAGGAC
2521 TGACACGTTC GACGCGGCC CACGGTCCC AGGCCTCGGA GATCCGTCCT CCTTTCTCTT
2581 TGTCGATATC ATGTAATTAG TTATGTCACG CTTACATTCA CGCCCTCCCC CCACATCCGC
2641 TCTAACCGAA AAGGAAGGAG TTAGACAACC TGAAGTCTAG GTCCCTATTT ATTTTTTTAT
2701 AGTTATGTTA GTATTAAGAA CGTTATTTAT ATTTCAAATT TTTCTTTTTT TTCTGTACAG
2761 ACGCGTGTAC GCATGTAACA TTATACTGAA AACCTTGCTT GAGAAGGTTT TGGGACGCTC
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2881 GAACCGTAAA AAGGCCGCGT TGCTGGCGTT TTTCCATAGG CTCCGCCCC CTGACGAGCA
2941 TCACAAAAAT CGACGCTCAA GTCAGAGGTG GCGAAACCCG ACAGGACTAT AAAGATACCA
3001 GCGTTTTCCC CCTGGAAGCT CCCTCGTGCG CTCTCCTGTT CCGACCCTGC CGCTTACCGG
3061 ATACCTGTCC GCCTTTCTCC CTTCCGGGAAG CGTGGCGCTT TCTCAATGCT CACGCTGTAG
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3241 CGACTTATCG CCACTGGCAG CAGCCACTGG TAACAGGATT AGCAGAGCGA GGTATGTAGG
3301 CGGTGCTACA GAGTCTTGA AGTGGTGGCC TAACTACGGC TACTACTAGAA GGACAGTATT
3361 TGGTATCTGC GCTCTGCTGA AGCCAGTTAC CTTCCGAAAA AGAGTTGGTA GCTCTTGATC
3421 CGGCAAACAA ACCACCGCTG GTAGCGGTGG TTTTTTTGTT TGCAAGCAGC AGATTACGCG
3481 CAGAAAAAAA GGATCTCAAG AAGATCCTTT GATCTTTTCT ACGGGGTCTG ACGCTCAGTG
3541 GAACGAAAAC TCACGTTAAG GGATTTTGGT CATGAGATC

BamHI , EcoRI , Sal I , NotI

pPICHOI-2 (3578 bp)

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1 AGATCTAACA TCCAAAGACG AAAGGTTGAA TGAAACCTTT TTGCCATCCG ACATCCACAG
61 GTCCATTCTC ACACATAAGT GCCAAACGCA ACAGGAGGGG ATACACTAGC AGCAGACCGT
121 TGCAAACGCA GGACCTCCAC TCCTCTTCTC CTCAACACCC ACTTTTGCCA TCGAAAAACC
181 AGCCCAGTTA TTGGGCTTGA TTGGAGCTCG CTCATTCCAA TTCCTTCTAT TAGGCTACTA
241 ACACCATGAC TTTATTAGCC TGTCTATCCT GGCCCCCTG GCGAGGTTCA TGTTTGTTTA
301 TTTCCGAATG CAACAAGCTC CGCATTACAC CCGAACATCA CTCCAGATGA GGGCTTTCTG
361 AGTGTGGGGT CAAATAGTTT CATGTTCCCC AAATGGCCCA AAATGACAG TTTAAACGCT
421 GTCCTTGAAC CTAATATGAC AAAAGCGTGA TCTCATCCAA GATGAACTAA GTTTGGTTCTG
481 TTGAAATGCT AACGCCAGT TGGTCAAAAA GAAACTTCCA AAAGTCGGCA TACCGTTTGT
541 CTTGTTTTGGT ATTGATTGAC GAATGCTCAA AAATAATCTC ATTAATGCTT AGCGCAGTCT
601 CTCTATCGCT TCTGAACCCC GGTGCACCTG TGCCGAAACG CAAATGGGGA AACACCCGCT
661 TTTTGGATGA TTATGCATTG TCTCCACATT GTATGCTTCC AAGATTCTGG TGGGAATACT
721 GCTGATAGCC TAACGTTTCAT GATCAAAATT TAACTGTTCT AACCCCTACT TGACAGCAAT
781 ATATAAACAG AAGGAAGCTG CCCTGTCTTA AACCTTTTTT TTTATCATCA TTATTAGCTT
841 ACTTTCATAA TTGCGACTGG TTCCAATTGA CAAGCTTTTG ATTTTAACGA CTTTTAACGA
901 CAACTTGAGA AGATCAAAAA ACAACTAATT ATTCGAA GGA TCC TACGTAT TAATACGACT
961 CACTATATTT GCTTTGTGAG CGGATAACAA TTATAATAGA TTCAATTGTG AGCGGATAAC
1021 AATTTACAC AGAATTCATT AAAGAGGAGA AATTAACTAT GAGAGGATCG CATCACCATC
1081 ACCATCACGG ATCCCTGAAC GACATCTTCG AAGCTCAGAA AATCGAATGG AAAAA GGTCCG
1141 ACTTGCAAGA TCT GCGGCCG CGAATTAATT CGCCTTAGAC ATGACTGTTT CTCAGTTCAA
1201 GTTGGGCACT TACGAGAAGA CCGTCTTTC TAGATTCTAA TCAAGAGGAT GTCAGAATGC
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1321 ATAGGATTTT TTTTGTCAAT TTGTTTCTTC TCGTACGAGC TTGCTCCTGA TCAGCCTATC
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1441 TCTTGGTATT TCCCCTCCTT CTTCAGAGTA CAGAAGATTA AGTGAGACCT TCGTTTGTGC
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1741 CCGTACCCTT TCAAAACACC CAAGCACAGC ATACTAAATT TTCCCTCTTT CTTCCCTCTAG
1801 GGTGTCGTTA ATTACCCGTA CTAAGGTTT GGAAAAGAAA AAAGAGACCG CCTCGTTTCT
1861 TTTTCTTCGT CGAAAAAGGC AATAAAAATT TTTATCACGT TTCTTTTTCT TGAAATTTTT
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1981 CAATTTCTCA AGTTTCAGTT TCATTTTTCT TGTTCTATTA CAACTTTTTT TACTTCTTGT
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2161 CCAGTGCCGT TCCGGTGCTC ACCGCGCGCG ACGTCGCCGG AGCGGTGCGG TTCTGGACCG
2221 ACCGGCTCGG GTTCTCCCGG GACTTCGTGG AGGACGACTT CGCCGGTGTG GTCCGGGACG
2281 ACGTGACCCT GTTCATCAGC GCGGTCCAGG ACCAGGTGGT GCCGGACAAC ACCCTGGCCT
2341 GGGTGTGGGT GCGCGGCCCTG GACGAGCTGT ACGCCGAGTG GTCGGAGGTC GTGTCCACGA
2401 ACTTCCGGGA CGCTCCGGG CCGGCCATGA CCGAGATCGG CGAGCAGCCG TGGGGGCGGG
2461 AGTTCGCCCT GCGCGACCCG GCCGGCACT GCGTGCCTT CGTGGCCGAG GAGCAGGACT
2521 GACACGTCCG ACGGCAGCCC ACGGCTCCCA GGCCCTCGGAG ATCCGTCCCC CTTTTCTTTT
2581 GTCGATATCA TGTAAATTAGT TATGTCACGC TTACATTAC GCCCTCCCC CACATCCGCT
2641 CTAACCGAAA AGGAAGGAGT TAGACAACCT GAAGTCTAGG TCCCTATTTA TTTTTTTATA
2701 GTTATGTTAG TATTAAGAAC GTTATTTATA TTTCAAATTT TTCTTTTTTT TCTGTACAGA
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2821 AAGGCTTTAA TTTGCAAGCT GGAGACCAAC ATGTGAGCAA AAGGCCAGCA AAAGGCCAGG
2881 AACCGTAAAA AGGCCGCGTT GCTGGCGTTT TTCCATAGG TCCGCCCCC TGACGAGCAT
2941 CACAAAAATC GACGCTCAAG TCAGAGGTGG CGAAACCCGA CAGGACTATA AAGATACCAG
3001 GCGTTTCCCC CTGGAAGCTC CCTCGTGCGC TCTCCTGTTT CGACCCTGCC GCTTACCGGA
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3121 TATCTCAGTT CGGTGTAGGT CGTTCGCTCC AAGCTGGGCT GTGTGCACGA ACCCCCCGTT
3181 CAGCCCGACC GCTGCGCCTT ATCCGGTAAC TATCGTCTTG AGTCCAACCC GGTAAGACAC
3241 GACTTATCGC CACTGGCAGC AGCCACTGGT AACAGGATTA GCAGAGCGAG GTATGTAGGC
3301 GGTGCTACAG AGTTCCTTGAA GTGGTGGCCT AACTACGGCT AACTAGAAAG GACAGTATTT
3361 GGTATCTGCG CTCCTGCTGAA GCCAGTTACC TTCGGAAAAA GAGTTGGTAG CTCTTGATCC
3421 GGCAAAACAA CCACCGCTGG TAGCGGTGGT TTTTTTGTTT GCAAGCAGCA GATTACGCGC
3481 AGAAAAAAG GATCTCAAGA AGATCCTTTG ATCTTTTCTA CGGGGTCTGA CGCTCAGTGG
3541 AACGAAAAC T CACGTTAAGG GATTTTGGTC ATGAGATC
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BamHI , EcoRI , Sal I , NotI

pPICHOI-3 (3577 bp)

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61 GTCCATTCTC ACACATAAGT GCCAAACGCA ACAGGAGGGG ATACACTAGC AGCAGACCGT
121 TGCAAACGCA GGACCTCCAC TCCTCTTCTC CTCAACACCC ACTTTTGCCA TCGAAAAACC
181 AGCCCAGTTA TTGGGCTTGA TTGGAGCTCG CTCATTCCAA TTCCTTCTAT TAGGCTACTA
241 ACACCATGAC TTTATTAGCC TGTCTATCCT GGCCCCCTG GCGAGGTTCA TGTTTGTTTA
301 TTTCCGAATG CAACAAGCTC CGCATTACAC CCGAACATCA CTCCAGATGA GGGCTTTCTG
361 AGTGTGGGGT CAAATAGTTT CATGTTCCCC AAATGGCCCA AAATGACAG TTTAAACGCT
421 GTCCTTGAAC CTAATATGAC AAAAGCGTGA TCTCATCCAA GATGAACTAA GTTTGGTTCTG
481 TTGAAATGCT AACGGCCAGT TGGTCAAAAA GAAACTTCCA AAAGTCGGCA TACCGTTTGT
541 CTTGTTTTGGT ATTGATTGAC GAATGCTCAA AAATAATCTC ATTAATGCTT AGCGCAGTCT
601 CTCTATCGCT TCTGAACCCC GGTGCACCTG TGCCGAAACG CAAATGGGGA AACACCCGCT
661 TTTTGGATGA TTATGCATTG TCTCCACATT GTATGCTTCC AAGATTCTGG TGGGAATACT
721 GCTGATAGCC TAACGTTTCAT GATCAAAATT TAACTGTTCT AACCCCTACT TGACAGCAAT
781 ATATAAACAG AAGGAAGCTG CCCTGTCTTA AACCTTTTTT TTTATCATCA TTATTAGCTT
841 ACTTTCATAA TTGCGACTGG TTCCAATTGA CAAGCTTTTG ATTTTAACGA CTTTTAACGA
901 CAACTTGAGA AGATCAAAAA ACAACTAATT ATTCGAA GGA TCC TACGTAT TAATACGACT
961 CACTATATTT GCTTTGTGAG CGGATAACAA TTATAATAGA TTCAATTGTG AGCGGATAAC
1021 AATTTACAC AGAATTCATT AAAGAGGAGA AATTAACTAT GAGAGGATCG CATCACCATC
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1501 GATCC AATTA ATATTTACTT ATTTTGGTCA ACCCCAAATA GGTGATTTT ATACTTGGTT
1561 CATTCAAAAA TAAGTAGTCT TTTGAGATCT TTCAATATTA TAATAAATAT ACTATAACAG
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1681 CTTCAAAATG TTTCTACTCC TTTTTTACTC TTCCAGATTT TCTCGGACTC CGCGCATCGC
1741 CGTACCACCT CAAAACACCC AAGCACAGCA TACTAAATTT TCCCTCTTTC TTCCTCTAGG
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1861 TTTCTTCGTC GAAAAAGGCA ATAAAAATTT TTATCACGTT TCTTTTTTCTT GAAATTTTTT
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1981 AATTTCTCAA GTTTTCAGTTT CATTTTTTCTT GTTCTATTAC AACTTTTTTTT ACTTCTTGTT
2041 CATTAGAAAG AAAGCATAGC AATCTAATCT AAGGGGCGGT GTTGACAATT AATCATCGGC
2101 ATAGTATATC GGCATAGTAT AATACGACAA GGTGAGGAAC TAAACCATGG CCAAGTTGAC
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2281 CGTGACCCGT TTCATCAGCG CGGTCCAGGA CCAGGTGGTG CCGGACAACA CCCTGGCCTG
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2401 CTTCGGGGAC GCCTCCGGGC CGGCCATGAC CGAGATCGGC GAGCAGCCGT GGGGGCGGGA
2461 GTTCGCCCTG CGCGACCCGG CCGGCAACTG CGTGCACCTC GTGGCCGAGG AGCAGGACTG
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2821 AGGCTTTAAT TTGCAAGCTG GAGACCAACA TGTGAGCAA AGGCCAGCAA AAGGCCAGGA
2881 ACCGTA AAAA GGCCGCGTTG CTGGCGTTTT TCCATAGGCT CCGCCCCCT GACGAGCATC
2941 AAAAAATCG ACGCTCAAGT CAGAGGTGGC GAAACCCGAC AGGACTATAA AGATAACAGG
3001 CGTTTCCCC TGAAGCTCC CTCGTGCGCT CTCCTGTTCC GACCCTGCCG CTTACCGGAT
3061 ACCTGTCCGC CTTTCTCCCT TCGGGAAGCG TGGCGCTTTC TCAATGCTCA CGCTGTAGGT
3121 ATCTCAGTTC GGTGTAGGTC GTTCGCTCCA AGCTGGGCTG TGTGCACGAA CCCCCGTTT
3181 AGCCCAGCCG CTGCGCCTTA TCCGGTAACT ATCGTCTTGA GTCCAACCCG GTAAGACACG
3241 ACTTATCGCC ACTGGCAGCA GCCACTGGTA ACAGGATTAG CAGAGCGAGG TATGTAGGCG
3301 GTGCTACAGA GTTCTTGAAG TGGTGGCCTA ACTACGGCTA CACTAGAAGG ACAGTATTTG
3361 GTATCTGCGC TCTGCTGAAG CCAGTTACCT TCGGAAAAAG AGTTGGTAGC TCTTGATCCG
3421 GCAAACAAAC CACCGCTGGT AGCGGTGGTT TTTTGTTTG CAAGCAGCAG ATTACGCGCA
3481 GAAAAAAGG ATCTCAAGAA GATCCTTTGA TCTTTTCTAC GGGGTCTGAC GCTCAGTGG
3541 ACGAAAACCT ACGTTAAGGG ATTTTGGTCA TGAGATC
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BamHI , EcoRI , Sal I , NotI

pPICHOI-C (3120 bp)

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61 GTCCATTCTC ACACATAAGT GCCAAACGCA ACAGGAGGGG ATACACTAGC AGCAGACCGT
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181 AGCCCAGTTA TTGGGCTTGA TTGGAGCTCC GCCAAGCTTG CATGTCTTTT GCTGGCATTT
241 CTTCTAGAAG CAAAAAGAGC GATGCGTCTT TTCCGCTGAA CCGTTCACGC AAAAAAGACT
301 ACCAACGCAA TATGGATTGT CAGAATCATA TAAAAGAGAA GCAAATAACT CCTTGTCTTG
361 TATCAATTGC ATTATAATAT CTTCTTGTTA GTGCAATATC ATATAGAAGT CATCGAAATA
421 GATATTAAGA AAAACAAACT GTACAATCAA TCAATCAATC ATCACATAAA ATATTCAGCG
481 AATTGGTACG TATTAATACG ACTCACTATA TTTGCTTTGT GAGCGGATAA CAATTATAAT
541 AGATTCAATT GTGAGCGGAT AACAATTTCA CACAGAATTC ATTAAAGAGG AGAAATTAAC
601 TATGAGAGGA TCGCATCACC ATCACCATCA CGGATCCCTG AACGACATCT TCGAAGCTCA
661 GAAAATCGAA TGGAAAAGT CGACCTGCAA GATCTGCGGC CGCGAATTAA TTCGCCTTAG
721 ACATGACTGT TCCTCAGTTC AAGTTGGGCA CTTACGAGAA GACCGGTCTT GCTAGATTCT
781 AATCAAGAGG ATGTCAGAAT GCCATTTGCC TGAGAGATGC AGGCTTCATT TTTGATACTT
841 TTTTATTTGT AACCTATATA GTATAGGATT TTTTTTGTCA TTTTGTCTTCT TCTCGTACGA
901 GCTTGCTCCT GATCAGCCTA TCTCGCAGCT GATGAATATC TTGTGGTAGG GGTTTGGGAA
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1321 TTTTCCCTCT TTCTTCCTCT AGGGTGTCTG TAATTACCCG TACTAAAGGT TTGAAAAAGA
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1801 TTCGCCGGTG TGGTCCGGGA CGACGTGACC CTGTTTCATCA GCGCGGTCCA GGACCAGGTG
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1921 TGGTCCGAGG TCGTGTCCAC GAACTCCGG GACGCTCCG GGCCGGCCAT GACCGAGATC
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2101 AGATCCGTCC CCCTTTTCCT TTGTGCATAT CATGTAATTA GTTATGTCAC GCTTACATTC
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2221 GGTCCTTATT TATTTTTTTA TAGTTATGTT AGTATTAAGA ACGTTATTTA TATTTCAAAT
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2641 TTCTCAATGC TCACGCTGTA GGTATCTCAG TTCGGTGTAG GTCGTTGCTT CCAAGCTGGG
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3061 TACGGGTCTT GACGCTCAGT GGAACGAAAA CTCACGTTAA GGGATTTTGG TCATGAGATC
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BamHI , EcoRI , Sal I , NotI

pPICHOI-HA (3568 bp)

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61 GTCCATTCTC ACACATAAGT GCCAAACGCA ACAGGAGGGG ATACACTAGC AGCAGACCGT
121 TGCAAACGCA GGACCTCCAC TCCTCTTCTC CTCAACACCC ACTTTTGCCA TCGAAAAACC
181 AGCCCAGTTA TTGGGCTTGA TTGGAGCTCG CTCATTCCAA TTCCTTCTAT TAGGCTACTA
241 ACACCATGAC TTTATTAGCC TGTCTATCCT GGCCCCCTG GCGAGGTTCA TGTTTGTTTA
301 TTTCCGAATG CAACAAGCTC CGCATTACAC CCGAACATCA CTCCAGATGA GGGCTTTCTG
361 AGTGTGGGGT CAAATAGTTT CATGTTCCCC AAATGGCCCA AAATGACAG TTTAAACGCT
421 GTCCTGGAAC CTAATATGAC AAAAGCGTGA TCTCATCCAA GATGAACTAA GTTTGGTTCTG
481 TTGAAATGCT AACGGCCAGT TGGTCAAAAA GAAACTTCCA AAAGTCGGCA TACCGTTTGT
541 CTTGTTTTGGT ATTGATTGAC GAATGCTCAA AAATAATCTC ATTAATGCTT AGCGCAGTCT
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661 TTTTGGATGA TTATGCATTG TCTCCACATT GTATGCTTCC AAGATTCTGG TGGGAATACT
721 GCTGATAGCC TAACGTTTCAT GATCAAAATT TAACTGTTCT AACCCCTACT TGACAGCAAT
781 ATATAAACAG AAGGAAGCTG CCCTGTCTTA AACCTTTTTT TTTATCATCA TTATTAGCTT
841 ACTTTCATAA TTGCGACTGG TTCCAATTGA CAAGCTTTTG ATTTTAACGA CTTTTAACGA
901 CAACTTGAGA AGATCAAAAA ACAACTAATT ATTCGAA GGA TCC TACGTAT TAATACGACT
961 CACTATATTT GCTTTGTGAG CGGATAACAA TTATAATAGA TTCAATTGTG AGCGGATAAC
1021 AATTTACAC AGAATTCATT AAAGAGGAGA AATTAACTAT GAGAGGATCT CACCATCACC
1081 ATCACCATGG GATCCGCTAC CCATACGACG TCCCAGACTA CGCTGGGTCC ACCTGCAAGA
1141 TCTGCGGCCG CGAATTAATT CGCCTTAGAC ATGACTGTTT CTCAGTTCAA GTTGGGCACT
1201 TACGAGAAGA CCGGTCTTGC TAGATTCTAA TCAAGAGGAT GTCAGAATGC CATTTGCCTG
1261 AGAGATGCAG GCTTCATTTT TGATACTTTT TTATTTGTAA CCTATATAGT ATAGGATTTT
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1441 TCCCACCTCT CTTCAGAGTA CAGAAGATTA AGTGAGACCT TCGTTTGTGC GGATCC AATT
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1561 ATAAGTAGTC TTTTGGAGAT TTTCAATATT ATAATAAATA TACTATAACA CCGCAGTTGT
1621 TTCATTTTCC CGAATGTTCC CCCAGCTTAT C GGATCC CCC ACACACCATA GCTTCAAAAT
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1981 AGTTTCAGTT TCATTTTTCT TGTTCTATTA CAACTTTTTT TACTTCTTGT TCATTAGAAA
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2101 CGGCATAGTA TAATACGACA AGGTGAGGAA CTAAACCATG GCCAAGTTGA CCAGTGCCGT
2161 TCCGGTGCTC ACCGCGCGCG ACGTCGCCGG AGCGGTCGAG TTCTGGACCG ACCGGCTCGG
2221 GTTCTCCCGG GACTTCGTGG AGGACGACTT CGCCGGTGTG GTCCGGGACG ACGTGACCCT
2281 GTTCATCAGC GCGGTCCAGG ACCAGGTGGT GCCGGACAAC ACCCTGGCCT GGGTGTGGGT
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3121 CGGTGTAGGT CGTTCGCTCC AAGCTGGGCT GTGTGCACGA ACCCCCCGTT CAGCCCAGC
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