

Primer3 Output

PRIMER PICKING RESULTS FOR pbota_xformtest_c

Template masking not selected

Using mispriming library humrep_and_simple.txt

Using 1-based sequence positions

OLIGO	start	len	tm	gc%	any_th	3'_th	hairpin	rep	seq
LEFT PRIMER	1923	20	59.05	55.00	1.25	0.00	0.00	11.00	CTGGACAGACTGCACAAACC
RIGHT PRIMER	2949	20	59.00	55.00	0.00	0.00	0.00	11.00	CATCTTCCTCGGTCGCAAAG

SEQUENCE SIZE: 4500
INCLUDED REGION SIZE: 4500

PRODUCT SIZE: 1027, PAIR ANY_TH COMPL: 0.00, PAIR 3'_TH COMPL: 0.00

TARGETS ([start](#) [len](#))

EXCLUDED REGIONS ([start](#) [len](#))

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1  TGGCTGCTGGCTCAGGCTGATTCCTGGTGAAACTCGCCGGACGGAAGCTGTGGAGCGAT

61  CAGGACGTACGACCGCTGCAGCGTTGCTGAAAAGTCAGACGCCAGCCTGGCGGATATG

121 AATGACCCGAGTCTGATTACCGTTCGCCGGGCAATTACCGATGATATCGCCAGCCTTTCT

181 GCGGTATCGCAGGTGGATTATGACGGCATTATCCTTAAGCTTAATCAGCTTTCAAATCAG

241 GTAGATAACCTGCGTCTGGCTGATAATGACAGCGATGGTTCGCCGATGGATTCCGACGGT

301 GAAGAGCTTTCCAGTTCATCAGCGAATGGCGTATCAATCTGCAAAAAAGCTGGCAGAAC

361 TTTATGGACAACCTCATTACGATTCGCCGTCGTGATGACACCGCCGTACCGCTGTTAGCG

421 CCAAATCAGGATATCTATCTGCGCGAAAATATTCGCTCTCGCCTGCTGGTCGCTGCACAA

481 GCTGTACCGCGTCATCAGGAAGAGACTTATCGCCAGGCGCTGGAGAACGTCTCCACCTGG

541 GTACGTGCTTACTACGATACTGATGATGCCACCACCAAAGCGTTCCTCGACGAGGTGGAC

601 CAGTTAAGCCAGCAAAATATCTCGATGGATCTCCCGAAACCCTGCAAAGCCAGGCGATG

661 CTGGAAAAACTGATGCAGACTCGCGTGCGTAACCTGCTGGCACAACCGGCAGCGGGGGCA

721 ACGGAAGCTAAACCTGCACCTGCACCTGCACCTGCACCTGCACCTGCACCGCAAGCTGAT

781 ACTCCGGCAGCCGCGCCGCAAGGAGAATAACCATGCTAAAAGTGTTATTGCTCTTTGTTT

841 TGCTGATTGCGGGGATCGTGGTTGGCCCGATGATTGCCGGTCATCAGGGGTACGTATTGA

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https://primer3.ut.ee/cgi-bin/primer3/primer3web_results.cgi

2221 ATGAGGCACTAAGGCGAACATAAGAGATAGAATGAGCATCTACTCGTTTATTATGCCACA

2281 GAGAACTGGGAAATAACATCCCTTAACACTTGTTATGAGATAATTCTGTAATCCTCTTTG

2341 CTTCTGAGTAATAAATTCTGAGTGAATATTTCTCTGCGCACGATTCTACACATATAT

2401 ATAATGAATAATAAAATTCATTCAATTAATAACATATATATTAATTGCCGTTAAACTAA

2461 AAACAGCATCAATAATCAACGCGATATAACATCACC GCCTGCGAAAAACCCGCGAAG
*****XXXXXXXXXXXXXXXXXXXX

2521 CGGGGTTTTTTGCGTACTTACGACCTGCCAGCAGTTCCAGCACTTCATCCACGCTGGTG
XXXXXXXXXXXXXXXX

2581 GTGTGTGCCAGACGCTCGATGACGGACTCATCATCCAGTGCATTGGTCAGGCTGGTGATA

2641 ACCTGAATGTGCTCGTTGTTACGGGCAGCAATACCAATCACCAGACGGGCAATGTCATCT

2701 TCTTCTTCACCGAAGCGCACGCCTTCCGGGTA CTGGCAGAACACGACGCCGTTTTTCAGT

2761 ACGCGATCTTTCGCTTCAACCGTACCGTGTGGCACC GCGATAGACTCACCCAGATAAGTC

2821 GGGGTCA GTTTTTTACGATCCAGCATCGCCTGAACGTATTCCGGCTCAACGTAACCGCCT

2881 TTCACCAGCTGCTCGCCAGCAAAACGAATCGCTTCTTCTTTGGTTGCCGCTTTGCGACCG
<<<<<<<<<<

2941 AGGAAGATGTTCTCCGCGCCTAGCTTGAACAGGTTAGCACTGGAATCGTCAAAGCTGTCT
<<<<<<<<<

3001 TTCAGGCTGTCTTTTACTTTCTCTTCGTTTGCCGTGTGGCGTTGGGCAGCAACCAGACGT

3061 TCGGTCAGGCTGGTGTACAGGCCGCTGTGAGGAAGTTGGTCAGCGAAATATGCTGTGCC

3121 TGCGGAACCTGGCGCATAGCGGTTCCGGTCAGGTCACGGTGAGTGATGACGAGGTCCACA

3181 TCTGGCGGCAGGTTGTTGATCGCGCTGTTAGTAACAGAAATCTGCGACAGACCTGCATCC

3241 TGAATTTTCTTACGCGAACGCCTGCGCCCATCGCACTGGAACCCATAACCGGCGTCACAG

3301 GCAACGATGATTTTACGTACGTGGCTCAGGTCGTTAGTCACATCGCCAGCAGACAGCGGA

3361 GATGCGCCTTTAGACTCAGCTTTCATGTCCTGCATACGACGAGTTGCTGCTTCAATATCA

3421 TCTTCTTCTTTCACTTTGCTGGTTTTTCAGCAAAATAGCAGAGACAACGAAGGAGACAGCC

3481 ATCGCCGCACACACACCCGCGATGTTAGCGAAGTAAGCACCTTTTGGTGTCATCGCCAGT

3541 ACAGCAAGGATAGAACCCGGAGATGCCGGAGAAACCAGACCACCGCCCAGGATAGTCAGC

3601 GTGAACACGCCAGTCATACCGCCGAGGATGACTGCGAGGATCAGACGCGGATTCATCAGC

3661 ACATACGGGAAGTAGATTTCTGGATACCCCCAGGAAGTGGATGATTGCCGCACCGCCC

3721 GCAGACTGTTTAGCGCTACCACGACCAAAGAACATGTACGCCAGCAGCACGCCCATACCT

3781 GGACCTGGGTTAGCTTCAATCAGGAAGAAGATTGATTTACCCAGTTCATGGGACTGCTGA

3841 ATACCCAGCGGCGAGAAGATACCGTGGTTAATGGCGTTGTTGAGGAACAGGATTTTCGCC

3901 GGTTCAACAAAGATAGACGCCAGCGGCAGCATGTCATGGACAACCATGAAGTTAACGCCC

3961 GCAGCCAGCATTTTGGACAGGGCTTCAACAATCGGGCCAATGCCGAGGAATGCCAGAATA

4021 GCGAGGATCATCCCGATGATGCCTGCGGAGAAGTTATTCACCAGCATCTCAAAACCGGAT

4081 TTGATCTTACCGTCTACCCAGCGGTGGAAGTGCTTAATGCACCAGCGCCCAGCGGACCT

4141 GCAATCATAGAACCAGGAACATCGGCATGTCTGCGCCGACGATAACGCCCATGGTGGTG

4201 ATGGCACCGACTACGCCGCCACGTTGCGCGCTACCAGCTTACCACCGGTATAACCGATC

4261 AGCAGCGGCAGGAGATAAGTGATCATCGGCCCCACCAGCTTCGCCAGCGTCTCGTTCGGT

4321 AACCACCCTGTTGGAATAAATAACGCGGTGATGATACCCACGCGATAAACGCGCCGATA

4381 TTTGGCATCACCATGTTGCTGAGGAAACGACCAAAGCTTTGCACTTTGATCTTAATATCG

4441 GATGACATATTTACCTCCTTTATCATTATACGAGCCGGATGATTAATTGTCAACCTCTA

KEYS (in order of precedence):
XXXXXX excluded region
***** target
>>>>> left primer
<<<<<< right primer

Statistics																
	con sid ered	too many Ns	in tar get	in excl reg	not ok reg	bad GC%	no GC clamp	tm too low	tm too high	high any_th compl	high 3'_th compl	high hair- pin	high lib sim	poly X	high end stab	ok
Left	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Right	7288	0	0	34	0	465	890	1469	2271	0	0	0	0	18	0	2141
Pair Stats:																
considered 4, unacceptable product size 3, primer in pair overlaps a primer in a better pair 2137, ok 1																

libprimer3 release 2.4.0

(primer3_results.cgi release 4.1.0)