Primer3 Output

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PRIMER PICKING RESULTS FOR pbota_xformtest_p
Template masking not selected
Using mispriming library humrep and simple.txt
Using 1-based sequence positions
                                   gc% any th 3' th hairpin rep seq
OLIGO
              start len
                             tm
LEFT PRIMER
               1275
                          59.05
                                 55.00
                                        1.25
                     20
                                               0.00
                                                      0.00 11.00 CTGGACAGACTGCACAAACC
RIGHT PRIMER
               1869
                     20
                          59.61
                                 55.00
                                        10.83
                                               0.00
                                                      0.00 12.00 TGGCGCAGGTGATATGTAGG
SEQUENCE SIZE: 3851
INCLUDED REGION SIZE: 3851
PRODUCT SIZE: 595, PAIR ANY TH COMPL: 0.00, PAIR 3' TH COMPL: 0.00
TARGETS (start len
EXCLUDED REGIONS (start len
   61 GCAGCGGGGCAACGGAAGCTAAACCTGCACCTGCACCTGCACCTGCACCTGCACCTGCA
 121 CCGCAAGCTGATACTCCGGCAGCCGCCGCAAGGAGAATAACCATGCTAAAAGTGTTAT
 181 TGCTCTTTGTTTTGCTGATTGCGGGGATCGTGGTTGGCCCGATGATTGCCGGTCATCAGG
 241 GGTACGTATTGATTCAGACCGACAACTACAATATCGAAACCAGCGTCACTGGCCTGGCGA
 301 TTATTTTGATTCTGGCGATGGTAGTGCTGTTTGCCATTGAGTGGCTACTGCGGCGGATCT
 361 TCCGCACAGGCGCACACCCGTGGGTGGTTTGTCGGACGTAAGCGTCGCCGTGCCCGTA
 421 AGCAGACCGAACAGGCGCTGCTGAAACTAGCGGAAGGCGATTATCAGCAAGTTGAAAAGC
 601 AGCTGGCCGGCAACGACAATTCCGGTAGAAATCACCCGTGTACGTCTGCAACTGGCCC
 661 GTAATGAAAACCATGCTGCACGCCACGGCGTGGATAAGCTGCTGGAAGTTACGCCACGCC
 721 ATCCGGAAGTATTACGTCTGGCGGAACAGGCGTATATCCGCACTGGTGCATGGAGTTCGC
 781 TGCTGGATATCATCCCATCAATGGCGAAAGCCCACGTTGGCGATGAAGAACATCGTGCAA
 841 TGCTGGAACACAGGCATGGATTGGCCTGATGGATCAGGCGCGTGCCGATAACGGTAGCG
 901 AAGGCTTGCGTAACTGGTGGAAAAACCAAAGCCGGAAAACGCGTCATCAGGTAGCGTTGC
 961 AGGTGGCAATGGCGGAACATCTTATTGAATGTGACGATCATGATACTGCCCAGCAAATTA
```

1021 TCATCGACGGCCTGAAACGCCAGTATGACGATCGCCTACTGCTGCCGATCCCGCGTCTGA

1081	AAACCAATAACCCGGAGCAGCTGGAAAAAGTGCTGCGCCAACAGATCAAAAACGTGGGCG
1141	${\tt ATCGCCCGTTGTTGTGGAGCACACTGGGTCAGTCGCTGATGAAGCACGGCGAATGGCAGG}$
1201	AAGCATCGCTCGCCTTCCGCGCGGCGCTGAAACAACGTCCGGACGCCTACGATTACGCAT
1261	GGCTTGCCGACGCGCTGGACAGACTGCACAAACCAGAAGAAGCTGCAGCGATGCGCCGCG >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
1321	ACGGTTTGATGTTAACGTTGCAGAACAACCCGCCACAGTAGTTCTTTCT
1381	AAGCACCTCCGGGACCTTTCTGATACATAAAAAAACGCCTGCTCTTATTACGGAGCAGGC ****************************
1441	GTTAAAACAGGTCTGTATGACAACAAGTGGGTGCTTCACTCAACGTTGTGTCCATGGTGT ********************************
1501	CTGATGAGGCATAAGCGACATCTGTCAGTGGACGATAAGCACCGTAAACGGCTCTGCGTC ***************************
1561	ATTCCGGAGTTTATGAGGCACTAAGGCGAACATAAGAGATAGAATGAGCATCTACTCGTT *********************************
1621	TATTATGCCACAGAGAACTGGGAAATAACATCCCTTAACACTTGTTATGAGATAATTCTG **********************************
1681	TAATCCTCTTTGCTTCCTGAGTAATAACTTCCTGAGTGAATATTTCTCCTGCGCACGATT
1741	CTACACATATATAATGAATAATAAAATTCATTCAATTAATAACATATATAT
1801	CGTTAAAACTAAAAACAGCATCAATAATCAACGCGATATAACATCACCGCCTACATATCAXXXXXXXXXX
1861	CCTGCGCCAGAGGTAGGATTGAAAACGCTCTCCTGATTTTCCAATTCATTTTCTGGATAA
1921	ATAAATAATTTATTTTCATCACTATTATTTATGCAATCATCCTGTCAGGGAGAGGGATCT
1981	CAATTATCAATTATCAATGCTTAATTACGTCAACATTTTGACGACATGAAACCGGAGCAT
2041	${\tt TTTGCATGGAATTTTCGTTTTCACCCAAACTTCTTGTTGTAGCTGTCGCCGCCGCTCTTC}$
2101	CACTCATGGCCAACGCAGCAGATACCCCGTCAACCGCCACCGCACGCA
2161	GATACGATCACCCAAACCAGTATCTGGTTAAACCGGCGACCACTATTGCCGACAACATGA
2221	TGCCGGTGATGCAGCATCCTGCACAAGACAAGAAACCCAGCAGAAGCTGGCAGAACTTG
2281	${\tt AGAAAAAAACCGGTAAGAAACCGAACGTGGTTGTTTTCTTGCTGGATGATGTGGGCTGGA}$
2341	${\tt TGGATGTTGGCTTTAACGGCGGCGGCGGCGTGGCGTGGGTAACCCTACACCAGATATCGACG}$
2401	CCGTTGCCAGCCAGGGGCTGATTTTAACTTCGGCGTATTCTCAACCGAGTTCTTCCCCAA
2461	CCCGCGCCACGATTCTTACCGGACAATACTCCATCCACCACGGCATTCTGATGCCGCCAA

2521 TGTACGGGCAACCGGGCGGTCTGCAAGGGTTAACCACTCTGCCGCAGTTGCTGCACGATC

2581 AGGGCTACGTCACTCAGGCCATCGGGAAATGGCATATGGGGGAAAACAAAGAGTCGCAGC

2641 CGCAGAACGTTGGCTTTGATGATTTCCGCGGCTTTAACTCGGTATCCGATATGTATACCG

2701 AATGGCGTGATGTTCACGTCAACCCGGAAGTCGCCCTGAGCCCGGATCGTTCTGAATACA

2761 TCCAAAAACTGCCGTTCAGCAAAGATGACGTTCATGCCGTGCGCGGCGGTGAACAGGAAG

2881 GCGTTAAGTTCCTCGACAAGATGGCGAAGAGCGATAAGCCTTTCTTCCTCTACTACGGCA

2941 CTCGCGGCTGTCACTTCGATAACTACCCAAATGCGAAATATGCGGGTAGCTCTCCGGCGC

3001 GCACCTCTTACGGCGACTGCATGGTGGAGATGAACGATATCTTCGCCAATCTGTATAAAG

3061 CACTGGAGAAAAACGGTCAGCTTGATAACACGCTGATTGTGTTCACCTCTGATAACGGTC

3121 CGGAAGCCGAAGTTCCGCCGCACGGTCGCACGCCGTTCCGCGGTGCGAAAGGTTCTACAT

3181 GGGAAGGCGGCGTTCGTGTGCCAACCTTCGTTTACTGGAAAGGCATGATCCAACCGCGTA

3241 AATCTGACGGCATTGTCGATCTGGCGGATCTCTTCCCTACGGCGCTGGATCTGGCGGGGC

3301 ATCCTGGGGCGAAAGTAGCGAATTTAGTACCGAAAACCACCTTTATCGATGGTGTGGACC

3361 AGACATCTTTCTTCCTGGGAACAAATGGTCAGTCTAACCGTAAGGCCGAGCACTACTTCC

3421 TCAACGGTAAACTTTCTGCTGTGCGTATGGATGAGTTCAAGTATCACGTCCTGATCCAGC

3481 AACCGTACGCGTATACCCAGAGCGGGTATCAGGGTGGATTCACCGGCACAGTAATGCAAA

3541 CGGCGGGATCGTCGGTGTTTAACCTGTACACCGATCCGCAGGAAAGCGACTCCATCGGCG

3601 TGCGCCATATTCCGATGGGTGTACCGCTACAGACCGAAATGCACGCGTATATGGAGATCC

3661 TGAAAAAATATCCACCACGCGCGCAGATTAAATCTGACTAAGCCGGCGCTATCGCTGAGA

3721 TCTGCCTTTGCCGGATGCGATGCTGACGCATCTTATCCAGCCTACAGAACGCTGCAATTT

3781 ATTGAATTTGCAAGGATTGTAGGCCGGATAAGGCGTTCACGCCGCATCCGGCAATCAACC

3841 GCAGGCGGCCG

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

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Pair Stats:

<<<<< right primer

ADDITIONAL OLIGOS

ADDITIC	MAL OL	1G0S	<u>start</u>	<u>len</u>	tm	<u>gc</u>	<u>any_th</u>	<u>3'_th</u>	<u>hairpir</u>	<u> rep</u>	<u>seq</u>				
RIGH	PRIME T PRIM DUCT SI	ER	1176 1864 9, PAIR	20 20 ANY_	59.97 57.85 TH COMP	55.00		0.00	0.00 0.00 PL: 0.00	10.00					
RIGH	PRIME T PRIM DUCT SI	ER	1226 1883 3, PAIR	19 20 ANY_	59.43 59.82 TH COMP	55.00		0.00	0.00 0.00 PL: 0.00	10.00				-	
RIGH	PRIME T PRIM DUCT SI	ER	1223 1862 , PAIR	18 21 ANY_	59.75 58.31 TH COMP	52.3		0.00	0.00	11.00 10.00					
Statistics															
Left	con sid ered 4792	too many Ns 0	get 0	in excl reg 56	not ok reg 0		551 648	too high 1753	high any_th 3 compl c	B'_th h compl 0	air- pin 64	lib	poly X 59	high end stab 0	ok 1102
Right	7438	0	0	38	0	1132	903 1533	1832	0	0	1	О	42	0	1957

considered 2111881, unacceptable product size 2111877, primer in pair overlaps a primer in a better pair 37215, ok 4 libprimer3 release 2.4.0

(primer3_results.cgi release 4.1.0)