Primer3 Output

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PRIMER PICKING RESULTS FOR Ferret_237_BaeI

Template masking not selected
No mispriming library specified
Using 1-based sequence positions
OLIGO            start  len       tm     gc%  any_th  3'_th  hairpin  seq
LEFT PRIMER         33   20    59.38   50.00    0.00   0.00     0.00 AAAGGAGCGGGTATCAAGCA
RIGHT PRIMER       183   20    59.11   50.00    0.00   0.00     0.00 GGCTGGCACGAAATTTACCA
SEQUENCE SIZE: 200
INCLUDED REGION SIZE: 200

PRODUCT SIZE: 151, PAIR ANY_TH COMPL: 0.00, PAIR 3'_TH COMPL: 0.00
TARGETS (start len

    1 TGAGAATGCCCTCTAAATCTATATATTAGTTAAAAGGAGCGGGTATCAAGCACACTAAAT
                                      >>>>>>>>>>>>>>>>>>>>

   61 TAGTAGCTCATAACGCCTTGCTCAACCACACCCCCACGGGATACAGCAGTGATAAAAATT
                                      ******

  121 AAGCCATGAACGAAAGTTTGACTAAGCCATGTTAATAAAGAGCTGGTAAATTTCGTGCCA
                                      <<<<<<<<<<<<<<<<<<<<

  181 GCCACCGCGGTCATACGATT
      <<<

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

ADDITIONAL OLIGOS
                   start  len       tm     gc%  any_th  3'_th  hairpin  seq

  1 LEFT PRIMER       37   20    60.11   55.00    0.00   0.00     0.00 GAGCGGGTATCAAGCACACT
    RIGHT PRIMER     186   20    59.11   50.00   25.26   0.00     0.00 GGTGGCTGGCACGAAATTTA
    PRODUCT SIZE: 150, PAIR ANY_TH COMPL: 0.00, PAIR 3'_TH COMPL: 0.00

  2 LEFT PRIMER       28   22    57.44   40.91    0.00   0.00     0.00 AGTTAAAAGGAGCGGGTATCAA
    RIGHT PRIMER     180   20    58.10   45.00    0.00   0.00     0.00 TGGCACGAAATTTACCAGCT
    PRODUCT SIZE: 153, PAIR ANY_TH COMPL: 0.00, PAIR 3'_TH COMPL: 0.00

  3 LEFT PRIMER       39   21    58.65   47.62    0.00   0.00     0.00 GCGGGTATCAAGCACACTAAA
    RIGHT PRIMER     200   18    57.59   55.56   39.65  21.67     0.00 AATCGTATGACCGCGGTG
    PRODUCT SIZE: 162, PAIR ANY_TH COMPL: 0.00, PAIR 3'_TH COMPL: 0.00

  4 LEFT PRIMER       66   20    58.91   50.00    0.00   0.00     0.00 GCTCATAACGCCTTGCTCAA
    RIGHT PRIMER     179   22    59.51   45.45    0.00   0.00     0.00 GGCACGAAATTTACCAGCTCTT
    PRODUCT SIZE: 114, PAIR ANY_TH COMPL: 0.00, PAIR 3'_TH COMPL: 0.00
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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	poly X	high end stab	ok
Left	452	0	0	0	0	105	0	215	29	0	0	0	5	0	98
Right	434	0	0	0	0	85	0	214	69	0	0	2	7	0	57

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Pair Stats:
considered 2018, unacceptable product size 2011, primer in pair overlaps a primer in a better pair 1529, ok 7
libprimer3 release 2.4.0


(primer3_results.cgi release 4.1.0)
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