## **Primer3 Output**

Pair Stats:

```
PRIMER PICKING RESULTS FOR Puccinia recondita consensus consensus group 0
Template masking not selected
No mispriming library specified
No internal oligo mishyb library specified
Using 1-based sequence positions
                 start len
0LIG0
                                 tm
                                       qc%
                                            any th 3' th hairpin seq
                   127
                         21
                              58.21
                                      47.62
                                               0.00
                                                      0.00
                                                              0.00 tgttttacccatcttcaccgg
LEFT PRIMER
                                                              0.00 ggaaatgatgaatgggtttgcc
RIGHT PRIMER
                   287
                         22
                              58.47
                                      45.45
                                               0.00
                                                      0.00
                   199
                         20
                                               0.00
                                                              0.00 tcttctcaggatcaacaccg
INTERNAL OLIGO
                              57.88
                                      50.00
                                                      0.00
SEQUENCE SIZE: 333
INCLUDED REGION SIZE: 333
PRODUCT SIZE: 161, PAIR ANY TH COMPL: 2.14, PAIR 3' TH COMPL: 4.39
   1 ccgatcgNatctttttccNtcatttNggtgttttNtttagtactNNNaNNtttttgNaaN
   61 tttttggNtgNgtaggattgttgaNNgtgttggaNaaggagtgactgNtcttcaaccagg
  121 aNatcatgttttacccatcttcaccggaNagtgtggggattgtcctcNctgtcactccNa
            >>>>>>>>>>>>
  181 ggaatccaaNatgtgtgatcttctcaggatcaacaccgNgcgNggaNgNatgattcacga
                        ^^^^^
  241 cggtgaatctaNattctccattaatggcaaacccattcatcatttccttgggacttccac
                               <<<<<<<<<
  301 gtttagtgagtacactgtggttcactctggcca
KEYS (in order of precedence):
>>>>> left primer
<<<<< right primer
^^^^^ internal oligo
Statistics
                                                               high high high
              too
                      in
                            in
                                 not
                                                    tm
                                                                                       high
         con
                                              no
                                              GC
                                                         too any_th 3'_th hair-
                     tar
                          excl
                                  ok
                                       bad
                                                   too
                                                                                 poly
         sid
              many
                                                                                        end
                                       GC% clamp
                                                   low
                                                        high
                                                              compl compl
                                                                                    Χ
                                                                                       stab
        ered
               Ns
                     get
                           reg
                                 reg
                                                                            pin
                                                                                               ok
                                   0
                                                    32
                                                           0
                                                                  0
                                                                                                8
Left
        215
               175
                       0
                                         0
                                                                                    0
         545
               109
                       0
                                   0
                                         0
                                                   284
                                                           8
                                                                             28
                                                                                    0
Right
                                                                                              116
         980
               259
                       0
                                         0
                                                   268
                                                         118
                                                                  0
                                                                        0
                                                                              4
                                                                                    0
                                                                                              331
Intl
```

considered 106, unacceptable product size 105, primer in pair overlaps a primer in a better pair 767, ok 1 libprimer3 release 2.4.0

(primer3\_results.cgi release 4.1.0)