

**Table 1**  
Primers and probes preloaded in the GeneDisc®. In the sequence of oligonucleotides Y is (C, T), S is (C, G), W is (A, T), R is (A, G), M is (A, C), K is (G,T), H is (A,T,C), and D is (G,A,T); FAM = 6-carboxylfluorescein; ROX = carboxy-X-rhodamine; BHQ = Black Hole Quencher.

| Target gene sequence        | Forward primer, reverse primer and probe sequences (5'–3')   | Location within sequence  | GenBank accession number | Micro-chamber position | Reference             |
|-----------------------------|--|---|--------------------------|------------------------|-----------------------|
| <i>stx1</i>                 | TTT GTY ACT GTS ACA GCW GAA GCY TTA CG<br>CCC CAG TTC ARW GTR AGR TCM ACR TC <sup>a</sup><br>ROX-CTG GAT GAT CTC AGT GGG CGT TCT TAT GTA A-BHQ | 878–906<br>983–1008<br>941–971                                    | M16625                   | 1                      | Perelle et al. (2004) |
| <i>stx2</i>                 | TTT GTY ACT GTS ACA GCW GAA GCY TTAC G<br>CCC CAG TTC ARW GTR AGR TCM ACR TC <sup>a</sup><br>FAM- TCG TCA GGC ACT GTC TGA AAC TGC TCC-BHQ      | 785–813<br>887–912<br>838–864                                     | X07865                   | 1                      | Perelle et al. (2004) |
| <i>eae</i>                  | CAT TGA TCA GGA TTT TTC TGG TGA TA<br>CTC ATG CGG AAA TAG CCG TTA <sup>a</sup><br>ROX-AT AGT CTC GCC AGT ATT CGC CAC CAA TAC-BHQ <sup>a</sup>  | 899–924<br>979–1000<br>936–966                                    | Z11541                   | 6                      | Bugarel et al. (2010) |
| <i>ehxA</i>                 | GTG TCA GTA GGG AAG CGA ACA<br>ATC ATG TTT TCC GCC AAT G <sup>a</sup><br>FAM- CGT GAT TTT GAA TTC AGA ACC GGT GG-BHQ                           | 41,832–41,852<br>41,939–41,957<br>41,868–41,893                   | AF074613                 | 6                      | Bugarel et al. (2010) |
| <i>katP</i>                 | GAA GTC ATA TAT CGC CGG TTG AA<br>GTC ATT TCA GGA ACG GTG AGA TC<br>ROX-AGC CTC ATT GAT AAA GCC AGT CAG CTG-BHQ                                | 1914–1936<br>1986–1964<br>1937–1963                               | X89017                   | 14                     | This study            |
| <i>espP</i>                 | ATG CCC CGT CAG CAT CTG<br>TCG ACC GTC AGC GTA TGG <sup>a</sup><br>ROX-TGG CAA CTA ACC GGA GAT TCT GCG C-BHQ                                   | 66,861–66,878<br>66,988–67,005<br>66,899–66,923                   | CP001163                 | 13                     | This study            |
| <i>etpD</i>                 | TTG GAT GAC GGC GAA ACT G<br>AGA TGA TAC GCT GTT GGG AG <sup>a</sup><br>ROX-AGG ACA AAC TCA GTG CTC GTC AGC-BHQ                                | 82,884–82,902<br>82,950–82,969<br>82,915–82,938                   | CP001163                 | 17                     | This study            |
| <i>saa</i>                  | ATG AAC AGG CTA TTG CCG C<br>ATG TTG TGT ATC CCA TGA GG <sup>a</sup><br>ROX-TAT AAT TTT TCG CAC CAG CGA AAA CAC CG-BHQ                         | 7716–7734<br>7782–7801<br>7738–7766                               | AF399919                 | 11                     | This study            |
| <i>subA</i>                 | AGT GGC TTC CGC ATC GG <sup>a</sup><br>ATC ATT ACC CAC TGC CGC<br>ROX-ACA GAA CTG CTT TCC CGT ATG GGC-BHQ <sup>a</sup>                         | 14,304–14,288<br>14,234–14,217<br>14,282–14,259                   | AF399919                 | 12                     | This study            |
| <i>ent/espL2</i>            | TCC TGG ATT ATT TTC TGC ATT TCA<br>ACT ATT GCC AAG TAC GCC ACA A <sup>a</sup><br>FAM-AAAT GGT CAT GCA GAC GCA ATA AAG GCA TA-BHQ               | 3,929,758–3,929,781<br>3,929,833–3,929,812<br>3,929,783–3,929,811 | AE005174                 | 2                      | Bugarel et al. (2010) |
| <i>nleB</i>                 | CAT GTT GAA GGC TGG AAS TTT GT<br>CCG CTA CAG GGC GAT ATG TT <sup>a</sup><br>FAM-ACA GAG ACG GGA AAA ACT GGA TGC CA-BHQ                        | 3,931,502–3,931,524<br>3,931,573–3,931,554<br>3,931,527–3,931,552 | AE005174                 | 3                      | Bugarel et al. (2010) |
| <i>nleE</i>                 | AGA AGC GTT TGA ACC TAT TTC CA<br>TTG GGC GTT TTC CGG ATA T <sup>a</sup><br>FAM-AGC CAG TAC ACC GGA AGG AAG CTG G-BHQ                          | 3,932,207–3,932,229<br>3,932,289–3,932,271<br>3,932,237–3,932,261 | AE005174                 | 4                      | Bugarel et al. (2010) |
| <i>nleF</i>                 | TGA GGT GAG AAA TGA AAA TAC TGA TG <sup>a</sup><br>CTA TCC CTG TCC TCT ATC GTC ATTC<br>ROX-TGT CGG AGC GCT GAG GGC G-BHQ <sup>a</sup>          | 2,281,256–2,281,231<br>2,281,182–2,281,206<br>2,281,226–2,281,208 | AE005174                 | 2                      | Bugarel et al. (2010) |
| <i>nleH1-2</i>              | ACA AGA GAA AGT CAT AGT GGT TG<br>AAT CTC YCC CTT AGG CCA TCC CA <sup>a</sup><br>ROX-TTT ACT AAT CTG TTG CAC AGG-BHQ                           | 2,282,298–2,282,276<br>2,282,230–2,282,252<br>2,282,274–2,282,254 | AE005174                 | 3                      | Bugarel et al. (2010) |
| <i>nleA</i>                 | AGA TAA CYC TAA TAC TAA ATA TGC C<br>GCC CAA CCA TTG CRC CGA TAT GAG G <sup>a</sup><br>ROX-TTC TTA CCA ATG CTG CCG CAA ATG CGC-BHQ             | 2,285,138–2,285,162<br>2,285,274–2,285,250<br>2,285,164–2,285,190 | AE005174                 | 4                      | Bugarel et al. (2010) |
| <i>rfbE</i> <sub>0157</sub> | TTT CAC ACT TAT TGG ATG GTC TCA A<br>CGA TGA GTT TAT CTG CAA GGT GAT<br>FAM- AGG ACC GCA GAG GAA AGA GAG GAA TTA AGG-BHQ                       | 348–372<br>412–435<br>381–410                                     | AF163329                 | 11                     | Perelle et al. (2004) |
| <i>wzx</i> <sub>026</sub>   | CGC GAC GGC AGA GAA AAT T<br>AGC AGG CTT TTA TAT TCT CCA ACT TT<br>FAM- CCC CGT TAA ATC AAT ACT ATT TCA CGA GGT TGA-BHQ                        | 5648–5666<br>5757–5782<br>5692–5724                               | AF529080                 | 5                      | Perelle et al. (2004) |
| <i>wzx</i> <sub>0103</sub>  | CAA GGT GAT TAC GAA AAT GCA TGT<br>GAA AAA AGC ACC CCC GTA CTT AT<br>ROX-CAT AGC CTG TTG TTT TAT-BHQ   | 4299–4323<br>4397–4375<br>4356–4373                               | AY532664                 | 5                      | Perelle et al. (2004) |
| <i>wbd1</i> <sub>0111</sub> | CGA GGC AAC ACA TTA TAT AGT GCT TT<br>TTT TTG AAT AGT TAT GAA CAT CTT GTT TAG C<br>ROX-TTG AAT CTC CCA GAT GAT CAA CAT CGT GAA-BHQ             | 3464–3489<br>3579–3609<br>3519–3548                               | AF078736                 | 7                      | Perelle et al. (2004) |
| <i>ihp1</i> <sub>0145</sub> | CGA TAA TAT TTA CCC CAC CAG TAC AG<br>GCC GCC GCA ATG CTT<br>ROX-CCG CCA TTC AGA ATG CAC ACA ATA TCG-BHQ                                       | 1383–1408<br>1500–1514<br>1472–1498                               | AF531429                 | 8                      | Perelle et al. (2004) |
| <i>wzx</i> <sub>0121</sub>  | TGG TCT CTT AGA CTT AGG GC<br>TTA GCA ATT TTC TGT AGT CCA GC <sup>a</sup><br>FAM- TCC AAC AAT TGG TCG TGA AAC AGC TCG-BHQ                      | 6849–6868<br>6924–6946<br>6873–6899                               | AY208937                 | 16                     | This study            |
| <i>wzy</i> <sub>0113</sub>  | GAG CGT TTC TGA CAT ATG GAG TGA<br>TTG CTA TAA ATG GAA GCC ATT CTT T<br>FAM- TGC ATG AAA TGT TTA AAT GCA CCG GGT-BHQ                           | 3689–3712<br>3771–3795<br>3738–3764                               | AF172324                 | 9                      | Perelle et al. (2004) |
| <i>wzy</i> <sub>091</sub>   | CGA TTT TCT GGA ATG CTT GAT G<br>CAA TAC ATA GTT TGA TTT GTG TTT AAA GTT TAA T<br>FAM- CCT GGG TTG TTA GGA ACA ATT TCA GCA CTT C-BHQ           | 9433–9454<br>9504–9537<br>9457–9487                               | AY035396                 | 10                     | Perelle et al. (2004) |
| <i>wzx</i> <sub>0104</sub>  | TGT CGC GCA AAG AAT TTC AAC <sup>a</sup><br>AAA ATC CTT TAA ACT ATA CGC CC<br>FAM- TTG GTT TTT TTG TAT TAG CAA TAA GTG GTG TC-BHQ <sup>a</sup> | 2,333,750–2,333,730<br>2,333,673–2,333,651<br>2,333,724–2,333,693 | CU928145                 | 15                     | This study            |
| <i>wzy</i> <sub>0118</sub>  | ATA TTT GCA CGA TTT ACA GAT GT   | 4396–4418   | DQ990684                 | 8                      | This study            |