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**Figure S1.** Details of lesions of inoculation with Cc and dual inoculations of Cc and Dt

**Table S1.** Primers used in this study

|  |  |  |  |
| --- | --- | --- | --- |
| Gene | Primer | Sequence (5’→3’) | Reference |
| CAL | CL1C | GAA TTC AAG GAG GCC TTC TC | [1] |
| CL2C | CTT CTG CAT CAT GAG CTG GAC | [1] |
| GAPDH | GDF | GCC GTC AAC GAC CCC TTC ATT GA | [2] |
| GDR | GGG TGG AGT CGT ACT TGA GCA TGT | [2] |
| ITS | ITS-1 | CTT GGT CAT TTA GAG GAA GTA A | [3] |
| ITS-4 | TCC TCC GCT TAT TGA TAT GC | [4] |
| TUB2 | T1 | AAC ATG CGT GAG ATT GTA AGT | [5] |
| Bt2b | ACC CTC AGT GTA GTG ACC CTT GGC | [6] |
| EF1RPB2LSU | EF1-728F EF1-986RRPB2-P2FRPB2-P3RLRORLR7 | CAT CGA GAA GTT CGA GAA GGTAC TTG AAG GAA CCC TTA CCGGA AGT GGT GGA GGA GTA CGA GCTG GTT GTG GTC GGG GAA GGGGTA CCC GCT GAA CTT AAG CTAC TAC CAC CAA GAT CT | [7][7][8][8][9][9] |

**References**

1. Weir, B.S.; Johnston, P.R.; Damm, U. The *Colletotrichum gloeosporioides* species complex. *Studies in Mycology.* 2012, *73***,** 115-180.

2. Templeton, M.D.; Rikkerink, E.; Solon, S.L.; Crowhurst, R.N. Cloning and molecular characterization of the glyceraldehyde-3-phosphate dehydrogenase-encoding gene and cDNA from the plant pathogenic fungus *Glomerella cingulata*. *Gene.* 1992, *122***,** 225-230.

3. Gardes, M.; Bruns, T.D. ITS primers with enhanced specificity for basidiomycetes - application to the identification of mycorrhizae and rusts. *Molecular ecology.* 1993, *2***,** 113-118.

4. White, T.; Bruns, T.; Lee, S.; Taylor, J. Amplification and direct sequencing of fungal ribosomal RNA genes for phylogenetics. *PCR protocols: a guide to methods and applications.* 1990, *18*, 315-322.

5. O'Donnell, K.; Cigelnik, E. Two divergent intragenomic rDNA ITS2 types within a monophyletic lineage of the fungus *Fusarium* are nonorthologous. *Molecular Phylogenetics & Evolution.* 1997, *7***,** 103-116.

6. Glass, N.L.; Donaldson, G.C. Development of primer sets designed for use with the PCR to amplify conserved genes from filamentous ascomycetes. *Applied and environmental microbiology.* 1995, *61***,** 1323-1330.

7. Carbone, I.; Kohn, L.M. A method for designing primer sets for speciation studies in filamentous ascomycetes. *Mycologia.* 1999, *91***,** 553-556.

8. Liu, Y.J.; Whelen S, Hall, B.D. Phylogenetic relationships among ascomycetes: evidence from an RNA polymerse II subunit. *Molecular biology and evolution.* 1999, *16***,** 1799-1808.

9. Vilgalys, R.; Hester, M. Rapid genetic identification and mapping of enzymatically amplified ribosomal DNA from several *Cryptococcus* species. *Journal of bacteriology*.1990, *172***,** 4238-4246.

**Table S2.** Isolates *Diaporthales* spp. studied and GenBank accession numbers of the generated sequences

|  |  |  |
| --- | --- | --- |
| Species | Accession number | GenBank accession |
| ITS | LSU | EF1 | RPB2 |
| *Discula theae-sinensis* | MAFF238240 |  | AB511919 |  |  |
| MAFF238241 |  | AB511920 |  |  |
| MAFF238242 |  | AB511921 |  |  |
| MAFF238243 |  | AB511922 |  |  |
| DX1 | ON453684 | ON340629 | ON366583 | ON568236 |
| DX2 | ON453700 | ON340645 | ON366599 | ON568247 |
| DX3 | ON453689 | ON340634 | ON366588 | ON568240 |
| DX4 | ON453685 | ON340630 | ON366584 | ON568237 |
| DX5 | ON453708 | ON340654 | ON366608 | ON568254 |
| DX6 | ON453691 | ON340636 | ON366590 | - |
| DX7 | ON453688 | ON340633 | ON366587 | ON568239 |
| DX8 | ON453699 | ON340644 | ON366598 | ON568246 |
| DX9 | ON453686 | ON340631 | ON366585 | ON568238 |
| DX10 | ON453687 | ON340632 | ON366586 | - |
| DX11 | ON453723 | ON340669 | ON366623 | ON568266 |
| DX12 | ON453738 | ON340688 | ON366642 | ON568282 |
| DX13 | ON453712 | ON340658 | ON366612 | ON568258 |
| DX14 | ON453741 | ON340691 | ON366645 | ON568285 |
| DX15 | ON453740 | ON340690 | ON366644 | ON568284 |
| DX16 | ON453739 | ON340689 | ON366643 | ON568283 |
| DX23 | ON453704 | ON340649 | ON366603 | ON568250 |
| DX24 | ON453711 | ON340657 | ON366611 | ON568257 |
| DX25 | ON453709 | ON340655 | ON366609 | ON568255 |
| DX26 | ON453702 | ON340647 | ON366601 | ON568249 |
| DX27 | ON453710 | ON340656 | ON366610 | ON568256 |
| DX28 | ON453713 | ON340659 | ON366613 | ON568259 |
| DX29 | ON453725 | ON340671 | ON366625 | - |
| DX30 | ON453737 | ON340683 | ON366637 | ON568277 |
| DX31 | ON453714 | ON340660 | ON366614 | ON568260 |
| DX32 | ON453721 | ON340667 | ON366621 | ON568264 |
| DX33 | ON453724 | ON340670 | ON366624 | ON568267 |
| DX34 | ON453693 | ON340638 | ON366592 | ON568242 |
| DX35 | ON453703 | ON340648 | ON366602 | - |
| DX36 | ON453705 | ON340650 | ON366604 | ON568251 |
| DX37 | ON453706 | ON340651 | ON366605 | ON568252 |
| DX38 | ON453707 | ON340653 | ON366607 | ON568253 |
| DX39 | ON453734 | ON340680 | ON366634 | ON568275 |
| DX40 | - | ON340652 | ON366606 | - |
| DX43 | ON598591 | ON340692 | ON366646 | - |
| DX44 | ON453742 | ON340693 | ON366647 | - |
| DX45 | ON453720 | ON340666 | ON366620 | - |
| DX46 | ON453728 | ON340674 | ON366628 | ON568270 |
| DX47 | ON453726 | ON340672 | ON366626 | ON568268 |
| DX49 | ON453695 | ON340640 | ON366594 | ON568243 |
| DX50 | ON453696 | ON340641 | ON366595 | ON568244 |
| DX51 | ON453694 | ON340639 | ON366593 | - |
| DX52 | ON453731 | ON340677 | ON366631 | - |
| DX54 | ON453697 | ON340642 | ON366596 | ON568245 |
| DX55 | ON453729 | ON340675 | ON366629 | ON568271 |
| DX56 | ON453698 | ON340643 | ON366597 | - |
| DX57 | ON453715 | ON340661 | ON366615 | ON568261 |
| DX58 | ON453732 | ON340678 | ON366632 | ON568273 |
| DX59 | ON453690 | ON340635 | ON366589 | - |
| DX60 | ON453733 | ON340679 | ON366633 | ON568274 |
| DX61 | ON453692 | ON340637 | ON366591 | ON568241 |
| DX62 | ON453719 | ON340665 | ON366619 | - |
| DX63 | ON453716 | ON340662 | ON366616 | - |
| DX64 | ON453701 | ON340646 | ON366600 | ON568248 |
| DX65 | ON453718 | ON340664 | ON366618 | ON568263 |
| DX66 | ON453730 | ON340676 | ON366630 | ON568272 |
| DX70 | ON598587 | ON340684 | ON366638 | ON568278 |
| DX71 | ON598590 | ON340687 | ON366641 | ON568281 |
| DX72 | ON598588 | ON340685 | ON366639 | ON568279 |
| DX73 | ON598589 | ON340686 | ON366640 | ON568280 |
| DX74 | ON453722 | ON340668 | ON366622 | ON568265 |
| DX78 | ON453735 | ON340681 | ON366635 | ON568276 |
| DX79 | ON453736 | ON340682 | ON366636 | - |
| DX81 | ON453727 | ON340673 | ON366627 | ON568269 |
| DX82 | ON453717 | ON340663 | ON366617 | ON568262 |
| DX84 | ON453743 | ON340694 | ON366648 | ON568286 |
| *Diaporthales spp.* | DX18 | ON598592 | ON340695 | - | - |
| DX19 | ON598593 | ON340696 | - | - |
|  | DX17 | ON453744 | ON340697 | - | - |
| DX20 | ON453757 | ON340710 | - | - |
| DX21 | ON453756 | ON340709 | - | - |
| DX22 | ON453745 | ON340698 | - | - |
| DX41 | ON453747 | ON340700 | - | - |
| DX42 | ON453749 | ON340702 | - | - |
| DX48 | ON453750 | ON340703 | - | - |
| DX67 | ON453751 | ON340704 | - | - |
| DX68 | ON453753 | ON340706 | - | - |
| DX69 | ON453752 | ON340705 | - | - |
| DX75 | ON453759 | ON340712 | - | - |
| DX76 | ON453755 | ON340708 | - | - |
| DX77 | ON453758 | ON340711 | - | - |
| DX80 | ON453746 | ON340699 | - | - |
| DX83 | ON453748 | ON340701 | - | - |
| DX86 | ON453754 | ON340707 | - | - |
|  | DX85 | ON453760 | - | - | - |
|  | DX89 | ON453761 | ON340713 | - | - |
| *Diaporthe ueckerae* | SLHX3 | KY565424 |  | KY569391 |  |
| DX88 | ON453762 | ON340714 | ON366649 |  |
| *Diaporthe lithocarpus* | CGMCC 3.15175 | KC153104 |  | KC153095 |  |
| DX87 | ON453763 | ON340715 | ON366650 | - |

**Table S3.** Isolates *Colletotrichum* spp. studied and GenBank accession numbers of the generated sequences

|  |  |  |
| --- | --- | --- |
| Species | Accession number | GenBank accession |
| ITS | CAL | GAPDH | TUB2 |
| *C. aenigma* | ICMP 18608 | JX010244 | JX009683 | JX010044 | JX010389 |
| CX12 | ON329714 | ON420249 | ON394453 | ON420396 |
| CX13 | ON329715 | ON420250 | ON394454 | ON420397 |
| *C. camellia* | ICMP 10643, LF897, LC3667 | JX010224 | JX009630 | JX009908 | JX010436 |
| CX5 | ON329717 | ON420252 | ON394456 | ON420398 |
| CX6 | ON329718 | ON420253 | ON394457 | ON420399 |
| CX7 | ON329719 | ON420254 | ON394458 | ON420400 |
| CX8 | ON329724 | ON420259 | ON394463 | ON420405 |
| CX10 | ON329720 | ON420255 | ON394459 | ON420401 |
| CX25 | ON329727 | ON420262 | ON394466 | ON420408 |
| CX32 | ON329723 | ON420258 | ON394462 | ON420404 |
| CX37 | ON329721 | ON420256 | ON394460 | ON420402 |
| CX38 | ON329722 | ON420257 | ON394461 | ON420403 |
| CX39 | ON329725 | ON420260 | ON394464 | ON420406 |
| CX47 | ON329726 | ON420261 | ON394465 | ON420407 |
| *C. fructicola* | ICMP 18646, CBS 125397 | JX010173 | JX009674 | JX010032 | JX010409 |
| CX1 | ON329690 | ON420225 | ON394429 | ON420372 |
| CX2 | ON329709 | ON420244 | ON394448 | ON420391 |
| CX3 | ON329692 | ON420227 | ON394431 | ON420374 |
| CX4 | ON329691 | ON420226 | ON394430 | ON420373 |
| CX9 | ON329710 | ON420245 | ON394449 | ON420392 |
| CX11 | ON329695 | ON420230 | ON394434 | ON420377 |
| CX14 | ON329703 | ON420238 | ON394442 | ON420385 |
| CX15 | ON329696 | ON420231 | ON394435 | ON420378 |
| CX16 | ON329729 | - | ON394468 | ON420410 |
| CX17 | ON329731 | - | ON394470 | ON420412 |
| CX18 | ON329711 | ON420246 | ON394450 | ON420393 |
| CX19 | ON329704 | ON420239 | ON394443 | ON420386 |
| CX20 | ON329697 | ON420232 | ON394436 | ON420379 |
| CX21 | ON329698 | ON420233 | ON394437 | ON420380 |
| CX22 | ON329699 | ON420234 | ON394438 | ON420381 |
| CX23 | ON329712 | ON420247 | ON394451 | ON420394 |
| CX24 | ON329700 | ON420235 | ON394439 | ON420382 |
| CX26 | ON329694 | ON420229 | ON394433 | ON420376 |
| CX27 | ON329713 | ON420248 | ON394452 | ON420395 |
| CX28 | ON329693 | ON420228 | ON394432 | ON420375 |
| CX29 | ON329706 | ON420241 | ON394445 | ON420388 |
| CX30 | ON329705 | ON420240 | ON394444 | ON420387 |
| CX36 | ON329708 | ON420243 | ON394447 | ON420390 |
| CX40 | ON329707 | ON420242 | ON394446 | ON420389 |
| CX42 | ON329701 | ON420236 | ON394440 | ON420383 |
| CX46 | ON329730 | - | ON394469 | ON420411 |
| CX48 | ON329702 | ON420237 | ON394441 | ON420384 |
| *C. gigasporum* | CBS 125475 | KF687723 | KF687813 | KF687836 | KF687874 |
| CX34 | ON329734 | ON420266 | ON394473 | ON420414 |
| *C. henanense*  | LC2820 | KM610182 | KM610176 | KM610178 | KM610184 |
| CX31 | ON329728 | ON420263 | ON394467 | ON420409 |
| *C. karstii* | CBS 132134 | HM585409 | HM582013 | HM585391 | HM585428 |
| CX45 | ON329732 | ON420264 | ON394471 | - |
| *C. siamense*  | ICMP 18578\*, CBS 130417 | JX010171 | FJ917505 | JX009924 | JX010404 |
| CX41 | ON329716 | ON420251 | ON394455 | - |
| *C. tropicicola* | L58, LC0598\* | JN050240 | JN050229 | JN050223 | JN050246 |
| CX33 | ON329733 | ON420265 | ON394472 | ON420413 |
| *C. xanthorroeae* | ICMP 17903, CBS 127831 | JX010261 | JX009653 | JX009927 | JX010448 |