**Table S2.** *Alternaria* taxa used in the evolutionary and phylogenetic analyses and their corresponding GenBank numbers, including two outgroup taxa (*Pleospora tarda* CBS 714.68 and *Stemphylium herbarum* CBS 191.86). The type strains are indicated in ”T” and the newly generated sequences are indicated in blue.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Species name** | **Strains/Voucher no.** | **GenBank accession numbers** | | | | | | |
| **SSU** | **LSU** | ***RPB2*** | **ITS** | ***GAPDH*** | ***TEF1-α*** | ***Alt-a1*** |
| *Alternaria abundans* | CBS 534.83 T | KC584581 | KC584323 | KC584448 | JN383485 | KC584154 | KC584707 | JN383503 |
| *Alternaria alstroemeriae* | CBS 118808 | KP124917 | KP124447 | KP124764 | KP124296 | KP124153 | KP125071 | KP123845 |
| *Alternaria alstroemeriae* | CBS 118809 T | NG\_063029 | NG\_069882 | KP124765 | NR\_163686 | KP124154 | KP125072 | MH084526 |
| *Alternaria alternantherae* | CBS 124392 | KC584506 | KC584251 | KC584374 | KC584179 | KC584096 | KC584633 | KP123846 |
| *Alternaria alternariae* | CBS 126989 T | KC584604 | KC584346 | KC584470 | AF229485 | AY278815 | KC584730 | - |
| *Alternaria alternata* | CBS 102595 | - | MH874391 | - | MH862795 | - | - | - |
| *Alternaria alternata* | CBS 121336 | KP124987 | KP124517 | KP124833 | MH863106 | - | KP125141 | - |
| *Alternaria alternata* | CBS 175.52 | KC584227 | KC584320 | KC584577 | KC584703 | KC584445 | KC584151 | KP123857 |
| *Alternaria alternata* | CBS 916.96 T | KC584507 | DQ678082 | KC584375 | AF347031 | AY278808 | KC584634 | - |
| *Alternaria alternata* | EGS 34-015 | - | - | - | - | - | - | KP275690 |
| *Alternaria alternata* | YL 1 | MN072922 | MN072918 | MN072920 | MK860132 | MN072916 | MN072924 | - |
| *Alternaria alternata* | YL 2 | MN072923 | MN072919 | MN072921 | MN044764 | MN072917 | MN072925 | - |
| *Alternaria arborescens* | CBS 102605 T | KC584509 | KC584253 | KC584377 | AF347033 | AY278810 | KC584636 | AY563303 |
| *Alternaria arctoseptata* | MFLUCC 21-0139 T | MZ621874 | MZ621948 | OK236655 | - | 0K236608 | OK236702 | OK236755 |
| *Alternaria arctoseptata* | MFLU 21-0308 | MZ621875 | MZ621949 | OK236656 | - | OK236609 | OK236703 | OK236756 |
| *Alternaria argyranthemi* | CBS 116530 T | KC584510 | KC584254 | KC584378 | KC584181 | KC584098 | KC584637 | MG647616 |
| *Alternaria arrhenatheri* | CBS 133068 T | - | MH877516 | - | - | - | - | - |
| *Alternaria arundinis* | MFLUCC 21-0128 T | MZ621884 | MZ621958 | - | MZ622009 | - | OK236712 | - |
| *Alternaira arundinis* | MFLU 21-0313A | MZ621891 | MZ621965 | - | MZ622016 | - | OK236713 | - |
| *Alternaira arundinis* | MFLU 21-0313B | MZ621892 | MZ621966 | - | MZ622017 | - | OK236714 | - |
| *Alternaria aspera* | CBS 115269 T | KC584607 | KC584349 | KC584474 | KC584242 | KC584166 | KC584734 | KF533899 |
| *Alternaria atra* | CBS 195.67 T | KC584608 | KC584350 | KC584475 | AF229486 | KC584167 | KC584735 | MG025842 |
| *Alternaria axiaeriisporifera* | CBS 118715 T | NG\_062874 | NG\_069127 | KC584381 | NR\_136037 | KC584101 | KC584640 | - |
| *Alternaria cerealis* | CBS 119544 T | NG\_063030 | MH874614 | KP124878 | MH863062 | - | KP125186 | KP123955 |
| *Alternaria baoshanensis* | MFLUCC 21-0124 T | MZ621878 | MZ621952 | OK236659 | MZ622003 | OK236613 | OK236706 | OK236760 |
| *Alternaria baoshanensis* | MFLU 21-0296 | MZ621879 | MZ621953 | OK236660 | MZ622004 | OK236612 | OK236707 | OK236759 |
| *Alternaria bornmuelleri* | DAOM231361 T | KC584624 | KC584366 | KC584491 | FJ357317 | FJ357305 | KC584751 | JN383516 |
| *Alternaria botryospora* | CBS 478.90 T | KC584594 | KC584336 | KC584461 | AY278844 | AY278831 | KC584720 | AY563324 |
| *Alternaria botrytis* | CBS 197.67 T | KC584609 | KC584351 | KC584476 | KC584243 | KC584168 | KC584736 | LC481637 |
| *Alternaria brassicae* | CBS 116528 | KC584514 | KC584258 | KC584382 | KC584185 | KC584102 | KC584641 | - |
| *Alternaria brassicae-pekinensis* | CBS 121493 T | KC584611 | KC584353 | KC584478 | KC584244 | KC584170 | KC584738 | KF533892 |
| *Alternaria brassicicola* | CBS 118699 | KC584515 | KC584259 | KC584383 | JX499031 | KC584103 | KC584642 | - |
| *Alternaria breviconidiophora* | MFLUCC 21-0786 T | MZ621870 | MZ621944 | OK236651 | MZ621997 | OK236604 | OK236698 | OK236751 |
| *Alternaria breviconidiophora* | MFLU 21-0317 | MZ621871 | MZ621945 | OK236652 | MZ621998 | OK236605 | OK236699 | OK236752 |
| *Alternaria breviramosa* | CBS 121331 T | KC584574 | KC584318 | KC584442 | FJ839608 | KC584148 | KC584700 | - |
| *Alternaria brevirostra* | MFLUCC 21-0129 T | MZ621889 | - | OK236666 | MZ622015 | OK236619 | OK236717 | - |
| *Alternaria burnsii* | CBS 107.38 T | NG\_063033 | NG\_069257 | JQ646457 | NR\_136119 | JQ646305 | KP125198 | JQ646388 |
| *Alternaria burnsii* | CBS 110.50 | KP125044 | KP124574 | KP124890 | KP124421 | KP124271 | KP125199 | KP123968 |
| *Alternaria burnsii* | CBS 118816 | KP125046 | KP124576 | KP124892 | KP124423 | KP124273 | KP125201 | KP123970 |
| *Alternaria caespitosa* | CBS 177.80 T | KC584625 | KC584367 | KC584492 | MH861255 | KC584178 | KC584752 | - |
| *Alternaria calycipyricola* | CBS 121545 T | KC584516 | KC584260 | KC584384 | KC584186 | KC584104 | KC584643 | JQ646381 |
| *Alternaria capsici-annui* | CBS 504.74 | KC584517 | KC584261 | KC584385 | KC584187 | KC584105 | KC584644 | - |
| *Alternaria caricis* | CBS 480.90 T | KC584600 | KC584342 | KC584467 | AY278839 | AY278826 | KC584726 | AY563321 |
| *Alternaria carotiincultae* | CBS 109381 T | KC584518 | KC584262 | KC584386 | KC584188 | KC584106 | KC584645 | AY563287 |
| *Alternaria cetera* | CBS 121340 T | KC584573 | KC584317 | KC584441 | JN383482 | AY562398 | KC584699 | - |
| *Alternaria chartarum* | CBS 200.67 T | KC584614 | KC584356 | KC584481 | AF229488 | KC584172 | KC584741 | LC481629 |
| *Alternaria cheiranthi* | CBS 109384 | KC584519 | KC584263 | KC584387 | AF229457 | KC584107 | KC584646 | JQ905106 |
| *Alternaria chlamydospora* | CBS 491.72 T | KC584520 | KC584264 | KC584388 | KC584189 | KC584108 | KC584647 | JQ646367 |
| *Alternaria chlamydosporigena* | CBS 341.71 | KC584584 | KC584326 | KC584451 | KC584231 | KC584156 | KC584710 | - |
| *Alternaria cinerariae* | CBS 116495 | KC584521 | KC584265 | KC584389 | KC584190 | KC584109 | KC584648 | - |
| *Alternaria concatenata* | CBS 120006 T | KC584613 | KC584355 | KC584480 | KC584246 | AY762950 | KC584740 | EU684149 |
| *Alternaria conjuncta* | CBS 196.86 T | KC584522 | KC584266 | KC584390 | FJ266475 | AY562401 | KC584649 | AY563281 |
| *Alternaria conoidea* | CBS 132.89 | KC584585 | KC584327 | KC584452 | - | FJ348227 | KC584711 | FJ348228 |
| *Alternaria consortialis* | CBS 104.31 T | KC584615 | KC584357 | KC584482 | KC584247 | KC584173 | KC584742 | FJ266509 |
| *Alternaria cucurbitae* | CBS 483.81 | KC584616 | KC584358 | KC584483 | FJ266483 | AY562418 | KC584743 | - |
| *Alternaria cumini* | CBS 121329 T | KC584523 | KC584267 | KC584391 | KC584191 | KC584110 | KC584650 | - |
| *Alternaria dennisii* | CBS 110533 | KC584586 | KC584328 | KC584453 | KC584232 | KC584157 | KC584712 | - |
| *Alternaria dennisii* | CBS 476.90 T | KC584587 | KC584329 | KC584454 | JN383488 | JN383469 | KC584713 | JN383505 |
| *Alternaria dianthicola* | CBS 116491 | KC584526 | KC584270 | KC584394 | KC584194 | KC584113 | KC584653 | - |
| *Alternaria didymospora* | CBS 766.79 | KC584588 | KC584330 | KC584455 | FJ357312 | FJ357300 | KC584714 | - |
| *Alternaria doliconidium* | MFLUCC 14-0020 | MZ632684 | OK333361 | - | OK332869 | - | - | - |
| *Alternaria doliconidium* | HKAS 100840 | NG\_065142 | NG\_069551 | - | NR\_158361 | - | - | - |
| *Alternaria doliconidium* | MFLUCC 17-0263 T | MG829094 | MG828980 | - | MG828864 | - | - | - |
| *Alternaria echinaceae* | CBS 489.92 T | - | - | KJ718343 | NR\_136089 | KJ718015 | KJ718518 | KJ718684 |
| *Alternaria echinaceae* | CBS 116118 | - | - | KJ718344 | KJ718171 | KJ718016 | KJ718519 | KJ718685 |
| *Alternaria eichhorniae* | CBS 119778 | KP125050 | KP124580 | KP124896 | KP124426 | KP124277 | KP125205 | - |
| *Alternaria eichhorniae* | CBS 489.92 T | NG\_063034 | KP124579 | KP124895 | - | KP124276 | KP125204 | KP123973 |
| *Alternaria elegans* | CBS 109159 T | KC584527 | KC584271 | KC584395 | KC584195 | KC584114 | KC584654 | GQ180092 |
| *Alternaria ellipsoidialis* | MFLUCC 21-0132 T | MZ621862 | MZ621936 | OK236643 | MZ621989 | OK236596 | OK236690 | OK236743 |
| *Alternaria ellipsoidialis* | MFLU 21-0307A | MZ621863 | MZ621937 | OK236644 | MZ621990 | OK236597 | OK236691 | OK236744 |
| *Alternaria ellipsoidialis* | MFLU 21-0307B | MZ621864 | MZ621938 | OK236645 | MZ621991 | OK236598 | OK236692 | OK236745 |
| *Alternaria embellisia* | CBS 339.71 | KC584582 | KC584324 | KC584449 | KC584230 | KC584155 | KC584708 | - |
| *Alternaria eryngii* | CBS 121339 | KC584529 | KC584273 | KC584397 | JQ693661 | AY562416 | KC584656 | - |
| *Alternaria eureka* | CBS 193.86 T | KC584589 | KC584331 | KC584456 | JN383490 | JN383471 | KC584715 | JN383507 |
| *Alternaria eupatoriicola* | MFLUCC 21-0122 T | MZ621855 | MZ621929 | OK236636 | MZ621982 | OK236589 | OK236683 | OK236736 |
| *Alternaria eupatoriicola* | MFLU 21-0319 | MZ621856 | MZ621930 | OK236637 | MZ621983 | OK236589 | OK236684 | OK236737 |
| *Alternaria euphorbiicola* | CBS 119410 | - | - | KJ718346 | KJ718173 | KJ718018 | KJ718521 | - |
| *Alternaria euphorbiicola* | CBS 198.86 | - | - | KJ718345 | KJ718172 | KJ718017 | KJ718520 | KJ718686 |
| *Alternaria falcata* | MFLUCC 21-0123 T | MZ621865 | MZ62139 | OK236649 | MZ621992 | OK236599 | OK236693 | OK236746 |
| *Alternaria falcata* | MFLU 21-0306 | MZ621866 | MZ621940 | OK236650 | MZ621993 | OK236600 | OK236694 | OK236747 |
| *Alternaria gaisen* | CBS 118488 T | KP125051 | KP124581 | KP124897 | KP124427 | KP124278 | KP125206 | KP123975 |
| *Alternaria gaisen* | CBS 632.93 | KC584531 | KC584275 | KC584399 | KC584197 | KC584116 | KC584658 | KP123974 |
| *Alternaria gaisen* | CPC 25268 | KP125052 | KP124582 | KP124898 | KP124428 | KP124279 | KP125207 | KP123976 |
| *Alternaria geophila* | CBS 101.13 T | KP125016 | KP124546 | KP124862 | KP124392 | KP124244 | KP125170 | KP123940 |
| *Alternaria gossypina* | CBS 102597 | KP125056 | MH874393 | KP124902 | MH862797 | KP124281 | KP125211 | KP123978 |
| *Alternaria gossypina* | CBS 102601 T | KP125057 | MH874397 | KP124903 | MH862801 | KP124282 | KP125212 | KP123979 |
| *Alternaria gypsophilae* | CBS 107.41 T | KC584533 | KC584277 | KC584401 | KC584199 | KC584118 | KC584660 | KJ718688 |
| *Alternaria helianthiinficiens* | CBS 117370 | KC584534 | KC584278 | KC584402 | KC584200 | KC584119 | KC584661 | - |
| *Alternaria helianthiinficiens* | CBS 208.86 T | KC584535 | KC584279 | KC584403 | JX101649 | KC584120 | EU130548 | - |
| *Alternaria heterospora* | CBS 123376 T | KC584621 | KC584363 | KC584488 | KC584248 | KC584176 | KC584748 | - |
| *Alternaria hyacinthi* | CBS 416.71 T | KC584590 | KC584332 | KC584457 | KC584233 | KC584158 | KC584716 | FJ266506 |
| *Alternaria indefessa* | CBS 536.83 T | KC584591 | KC584333 | KC584458 | KC584234 | KC584159 | KC584717 | AY563323 |
| *Alternaria infectoria* | CBS 210.86 T | KC584536 | KC584280 | KC584404 | DQ323697 | AY278793 | KC584662 | FJ266502.1 |
| *Alternaria inflata* | FMR 16477 | - | - | - | MT109376 | - | LR133938 | MT108481 |
| *Alternaria iridiaustralis* | CBS 118404 | KP125058 | KP124588 | KP124904 | KP124434 | KP124283 | KP125213 | KP123980 |
| *Alternaria iridiaustralis* | CBS 118486 T | NG\_063035 | NG\_069258 | KP124905 | NR\_136120 | KP124284 | KP125214 | KP123981 |
| *Alternaria iridiaustralis* | CBS 118487 | KP125060 | KP124590 | KP124906 | KP124436 | KP124285 | KP125215 | KP123982 |
| *Alternaria italica* | KUMCC 17-0090 | - | - | - | MG764018 | - | - | - |
| *Alternaria italica* | MFLUCC 14-0421 T | - | MG818319 | MG859737 | MG764017 | - | - | - |
| *Alternaria jacinthicola* | CBS 133751 T | KP125062 | KP124592 | KP124908 | KP124438 | KP124287 | KP125217 | KP123984 |
| *Alternaria jacinthicola* | CBS 878.95 | KP125061 | KP124591 | KP124907 | KP124437 | KP124286 | KP125216 | KP123983 |
| *Alternaria jacinthicola* | CPC 25267 | KP125063 | KP124593 | KP124909 | KP124439 | KP124288 | KP125218 | KP123985 |
| *Alternaria japonica* | CBS 118390 | KC584537 | KC584281 | KC584405 | KC584201 | KC584121 | KC584663 | - |
| *Alternaria kordkuyana* | IRAN 16888F T | - | - | - | MF033843 | MF033826 | - | - |
| *Alternaria kulundii* | M313 T | KJ443087 | KJ443132 | KJ443176 | KJ443262 | KJ649618 | - | - |
| *Alternaria lathyri* | MFLUCC 21-0140 T | MZ621847 | MZ621921 | OK236628 | MZ621974 | OK236581 | OK236675 | OK236728 |
| *Alternaria lathyri* | MFLU 21-0297 | MZ621848 | MZ621922 | OK236629 | MZ621975 | OK236582 | OK236676 | OK236729 |
| *Alternaria leucanthemi* | CBS 421.65 T | KC584605 | KC584347 | KC584472 | KC584240 | KC584164 | KC584732 | - |
| *Alternaria leucanthemi* | CBS 422.65 | KC584606 | KC584348 | KC584473 | KC584241 | KC584165 | KC584733 | - |
| *Alternaria limaciformis* | CBS 481.81 T | KC584539 | KC584283 | KC584407 | KC584203 | KC584123 | KC584665 | JQ646368 |
| *Alternaria longipes* | CBS 539.94 | KP125065 | KP124595 | KP124911 | KP124441 | KP124290 | KP125220 | KP123987 |
| *Alternaria longipes* | CBS 540.94 | KC584541 | KC584285 | KC584409 | - | - | KC584667 | - |
| *Alternaria longipes* | CBS 917.96 | KP125066 | KP124596 | KP124912 | KP124442 | KP124291 | KP125221 | KP123988 |
| *Alternaria macilenta* | MFLUCC 21-0138 T | MZ621845 | MZ621919 | OK236626 | MZ621972 | OK236579 | OK236673 | OK236726 |
| *Alternaria macilenta* | MFLU 21-0305 | MZ621846 | MZ621920 | OK236627 | MZ621973 | OK236580 | OK236674 | OK236727 |
| *Alternaria macroconidia* | MFLUCC 21-0134 T | MZ621876 | MZ621950 | OK236657 | MZ622001 | OK236610 | OK236704 | OK236757 |
| *Alternaria macroconidia* | MFLU 21-0301 | MZ621876 | MZ621951 | OK236658 | MZ622002 | OK236611 | OK236705 | OK236758 |
| *Alternaria minimispora* | MFLUCC 21-0127 T | MZ621853 | MZ621927 | OK236634 | MZ621980 | OK236587 | OK236681 | OK236734 |
| *Alternaria minimispora* | MFLU 21-0318 | MZ621854 | MZ621928 | OK236635 | MZ621981 | OK236588 | OK236682 | OK236735 |
| *Alternaria muriformispora* | MFLUCC 21-0784 T | MZ621849 | MZ621923 | OK236630 | MZ621976 | OK236583 | OK236677 | OK236730 |
| *Alternaria muriformispora* | MFLU 21-0309 | MZ621850 | MZ621924 | OK236631 | MZ621977 | OK236584 | OK236678 | OK236731 |
| *Alternaria nepalensis* | CBS 118700 T | KC584546 | KC584290 | KC584414 | KC584207 | KC584126 | KC584672 | - |
| *Alternaria nobilis* | CBS 116490 | KC584547 | KC584291 | KC584415 | KC584208 | KC584127 | KC584673 | JQ646385 |
| *Alternaria nodulariconidiophora* | MFLUCC 21-0131 T | MZ621885 | MZ621959 | - | MZ622010 | - | OK236715 | - |
| *Alternaria nodulariconidiophora* | MFLU 21-0315 | MZ621886 | MZ621960 | - | MZ622011 | - | OK236716 | - |
| *Alternaria obclavata* | CBS 124120 T | KC584575 | FJ839651 | KC584443 | KC584225 | KC584149 | KC584701 | - |
| *Alternaria oblongoellipsoidea* | MFLUCC 22-0074 T | MZ621840 | MZ621914 | OK236621 | MZ621967 | OK236574 | OK236668 | OK236721 |
| *Alternaria oblongoellipsoidea* | MFLU 21-0310 | MZ621841 | MZ621915 | OK236622 | MZ621968 | OK236575 | OK236669 | OK236722 |
| *Alternaria obpyriconidia* | MFLUCC 21-0121 T | MZ621851 | MZ621925 | OK236633 | MZ621978 | OK236585 | OK236680 | OK236732 |
| *Alternaria obpyriconidia* | MFLU 21-0300 | MZ621852 | MZ621926 | OK236632 | MZ621979 | OK236586 | OK236679 | OK236733 |
| *Alternaria omanensis* | SQUCC13580 T | MK878559 | MK878556 | MK880893 | MK878562 | MK880899 | MK880896 | - |
| *Alternaria omanensis* | SQUCC15560 | MK878560 | MK878557 | MK880894 | MK878563 | MK880900 | MK880897 | - |
| *Alternaria omanensis* | SQUCC15561 | MK878561 | MK878558 | MK880895 | MK878564 | MK880901 | MK880898 | - |
| *Alternaria orobanches* | MFLUCC 21-0137T | MZ621882 | MZ621956 | - | MZ622007 | - | OK236710 | OK236763 |
| *Alternaria orobanches* | MFLU 21-0303 | MZ621883 | MZ621957 | - | MZ622008 | - | OK236711 | OK236764 |
| *Alternaria oudemansii* | CBS 114.07 T | KC584619 | KC584361 | KC584486 | FJ266488 | KC584175 | KC584746 | FJ266514 |
| *Alternaria ovoidea* | MFLUCC 21-0782 T | MZ621880 | MZ621954 | OK236661 | MZ622005 | OK236614 | OK236708 | OK236761 |
| *Alternaria ovoidea* | MFLU 21-0298 | MZ621881 | MZ621955 | OK236662 | MZ622006 | OK236615 | OK236709 | OK236762 |
| *Alternaria panax* | CBS 482.81 | KC584549 | KC584293 | KC584417 | KC584209 | KC584128 | KC584675 | - |
| *Alternaria papavericola* | CBS 116606 T | KC584579 | KC584321 | KC584446 | FJ357310 | FJ357298 | KC584705 | JN383501 |
| *Alternaria penicillata* | CBS 116608 T | KC584572 | KC584316 | KC584440 | FJ357311 | FJ357299 | KC584698 | - |
| *Alternaria penicillata* | CBS 116607 | KC584580 | KC584322 | KC584447 | KC584229 | KC584153 | KC584706 | - |
| *Alternaria perpunctulata* | CBS 115267 T | KC584550 | KC584294 | KC584418 | KC584210 | KC584129 | KC584676 | JN383513 |
| *Alternaria petroselini* | CBS 112.41 T | KC584551 | KC584295 | KC584419 | KC584211 | KC584130 | KC584677 | - |
| *Alternaria petuchovskii* | M304 T | KJ443079 | KJ443124 | KJ443170 | KJ443254 | KJ649616 | - | - |
| *Alternaria photistica* | CBS 212.86 T | KC584552 | KC584296 | KC584420 | KC584212 | KC584131 | KC584678 | AY563282 |
| *Alternaria phragmiticola* | MFLUCC 21-0125 T | MZ621867 | MZ621941 | OK236649 | MZ621994 | OK236602 | OK236696 | OK236749 |
| *Alternaria phragmiticola* | MFLU 21-0136 | MZ621868 | MZ621942 | OK236650 | MZ621995 | OK236603 | OK236697 | OK236750 |
| *Alternaria phragmiticola* | IT2630 | MZ621869 | MZ621943 | OK236648 | MZ621996 | OK236601 | OK236695 | OK236748 |
| *Alternaria phragmospora* | CBS 274.70 T | KC584595 | KC584337 | KC584462 | JN383493 | JN383474 | KC584721 | JN383509 |
| *Alternaria phytolaccae* | MFLUCC 21-0135 T | MZ621887 | MZ621961 | OK236663 | MZ622013 | OK236616 | OK236719 | OK236765 |
| *Alternaria porri* | CBS 116698 | KC584553 | KC584297 | KC584421 | DQ323700 | KC584132 | KC584679 | KJ718726 |
| *Alternaria proteae* | CBS 475.90 T | KC584597 | KC584339 | KC584464 | AY278842 | KC584161 | KC584723 | FJ266505 |
| *Alternaria pseudoinfectoria* | MFLUCC 21-0126 T | MZ621857 | MZ621931 | OK236638 | MZ621984 | OK236591 | OK236685 | OK236738 |
| *Alternaria pseudoinfectoria* | MFLU21-0311 | MZ621858 | MZ621932 | OK236639 | MZ621985 | OK236592 | OK236686 | OK236739 |
| *Alternaria pseudorostrata* | CBS 119411 T | KC584554 | KC584298 | KC584422 | JN383483 | AY562406 | KC584680 | AY563295 |
| *Alternaria rosae* | CBS 121341 T | - | - | - | NR\_136017 | - | - | - |
| *Alternaria rostroconidia* | MFLUCC 21-0136 T | MZ621842 | MZ621916 | OK236623 | MZ621969 | OK236576 | OK236670 | OK236723 |
| *Alternaria rostroconidia* | MFLU 21-0299 | MZ621843 | MZ621917 | OK236624 | MZ621970 | OK236577 | OK236671 | OK236724 |
| *Alternaria rostroconidia* | MFLUCC 14-0433 | MZ621844 | MZ621918 | OK236625 | MZ621971 | OK236578 | OK236672 | OK236725 |
| *Alternaria salicicola* | MFLUCC 22-0072 T | MZ621872 | MZ621946 | OK236653 | MZ621999 | OK236606 | OK236700 | OK236753 |
| *Alternaria salicicola* | MFLU 21-0320 | MZ621873 | MZ621947 | OK236654 | MZ622000 | OK236607 | OK236701 | OK236754 |
| *Alternaria scirpicola* | CBS 481.90 | KC584602 | KC584344 | KC584469 | KC584237 | KC584163 | KC584728 | - |
| *Alternaria septorioides* | CBS 106.41 T | KC584559 | KC584303 | KC584427 | KC584216 | KC584136 | KC584685 | - |
| *Alternaria septospora* | CBS 109.38 | KC584620 | KC584362 | KC584487 | FJ266489 | FJ266500 | KC584747 | FJ266515 |
| *Alternaria shukurtuzii* | M307 T | KJ443082 | KJ443127 | KJ443172 | KJ443257 | KJ649620 | - | - |
| *Alternaria simsimi* | CBS 115265 T | KC584560 | KC584304 | KC584428 | JF780937 | KC584137 | KC584686 | JQ905110 |
| *Alternaria slovaca* | CBS 567.66 T | KC584576 | KC584319 | KC584444 | KC584226 | KC584150 | KC584702 | - |
| *Alternaria smyrnii* | CBS 109380 | KC584561 | KC584305 | KC584429 | AF229456 | KC584138 | KC584687 | - |
| *Alternaria solani* | CBS 116651 T | - | - | KJ718412 | Y17070 | KJ718068 | KJ718584 | KJ718745 |
| *Alternaria soliaridae* | CBS 118387 | NG\_062900 | KC584307 | KC584431 | KC584218 | KC584140 | KC584689 | - |
| *Alternaria sonchi* | CBS 119675 | KC584565 | KC584309 | KC584433 | KC584220 | KC584142 | KC584691 | - |
| *Alternaria* sp. | CBS 115.44 | KC584556 | KC584300 | KC584424 | KC584214 | KC584134 | KC584682 | - |
| *Alternaria* sp. | CBS 198.67 | KC584610 | KC584610 | KC584477 | - | KC584737 | KC584169 | - |
| *Alternaria tagetica* | CBS 479.81 | KC584566 | KC584310 | KC584434 | KC584221 | KC584143 | KC584692 | KJ718761 |
| *Alternaria tellustris* | CBS 538.83 T | KC584598 | KC584340 | KC584465 | FJ357316 | AY562419 | KC584724 | MG309899 |
| *Alternaria thalictrigena* | CBS 121712 T | KC584568 | KC584312 | KC584436 | EU040211 | KC584144 | KC584694 | - |
| *Alternaria tomato* | CBS 103.30 | KP125069 | KP124599 | KP124915 | KP124445 | KP124294 | KP125224 | KP123991 |
| *Alternaria tomato* | CBS 114.35 | KP125070 | KP124600 | KP124916 | KP124446 | KP124295 | KP125225 | KP123992 |
| *Alternaria torilis* | MFLUCC 21-0133 | MZ621859 | MZ621933 | OK236640 | MZ621986 | OK236593 | OK236687 | OK236740 |
| *Alternaria torilis* | MFLU 21-0299 | MZ621860 | MZ621934 | OK236642 | MZ621987 | OK236595 | OK236689 | OK236742 |
| *Alternaria torilis* | MFLUCC 14-0433 T | MZ621861 | MZ621935 | OK236641 | MZ621988 | OK236594 | OK236688 | OK236741 |
| *Alternaria triglochinicola* | CBS 119676 T | KC584569 | KC584313 | KC584437 | KC584222 | KC584145 | KC584695 | - |
| *Alternaria vaccariae* | CBS 116533 | KC584570 | KC584314 | KC584438 | KC584223 | KC584146 | KC584696 | JQ646386 |
| *Alternaria vaccariicola* | CBS 118714 T | KC584571 | KC584315 | KC584439 | KC584224 | KC584147 | KC584697 | JQ646384 |
| *Alternaria vitis* | MFLUCC 17-1108 T | - | - | - | MG764008 | - | - | - |
| *Alternaria vitis* | MFLUCC 17-1109 | - | - | - | MG764007 | - | - | - |
| *Pleospora tarda* | CBS 714.68 T | KC584603 | KC584345 | AF107804 | KC584238 | AF443881 | KC584729 | AY563274 |
| *Stemphylium herbarum* | CBS 191.86 T | GU238232 | GU238160 | KC584471 | KC584239 | AF443884 | KC584731 | - |