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Species Diversity and Distribution Characteristics of *Calonectria* in Five Soil Layers in a *Eucalyptus* Plantation

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Abstract: The genus *Calonectria* includes pathogens of various agricultural, horticultural, and forestry crops. Species of *Calonectria* are commonly collected from soils, fruits, leaves, stems, and roots. Some species of *Calonectria* isolated from soils are considered as important plant pathogens. Understanding the species diversity and distribution characteristics of *Calonectria* species in different soil layers will help us to clarify their long-term potential harm to plants and their patterns of dissemination. To our knowledge, no systematic research has been conducted concerning the species diversity and distribution characteristics of *Calonectria* in different soil layers. In this study, 1000 soil samples were collected from five soil layers (0–20, 20–40, 40–60, 60–80, and 80–100 cm) at 100 sampling points in one 15-year-old *Eucalyptus urophylla* hybrid plantation in southern China. A total of 1037 isolates of *Calonectria* present in all five soil layers were obtained from 93 of 100 sampling points. The 1037 isolates were identified based on DNA sequence comparisons of the translation elongation factor 1-alpha (*tef1*), β-tubulin (*tub2*), calmodulin (*cmdA*), and histone H3 (*his3*) gene regions, as well as the combination of morphological characteristics. These isolates were identified as *C. hongkongensis* (665 isolates; 64.1%), *C. aconidialis* (250 isolates; 24.1%), *C. kyotensis* (58 isolates; 5.6%), *C. ilicicola* (47 isolates; 4.5%), *C. chinensis* (2 isolates; 0.2%), and *C. orientalis* (15 isolates; 1.5%). With the exception of *C. orientalis*, which resides in the *C. brassicae* species complex, the other five species belonged to the *C. kyotensis* species complex. The results showed that the number of sampling points that yielded *Calonectria* and the number (and percentage) of *Calonectria* isolates obtained decreased with increasing depth of the soil. More than 84% of the isolates were obtained from the 0–20 and 20–40 cm soil layers. The deeper soil layers had comparatively lower numbers but still harbored a considerable number of *Calonectria*. The diversity of five species in the *C. kyotensis* species complex decreased with increasing soil depth. The genotypes of isolates in each *Calonectria* species were determined by *tef1* and *tub2* gene sequences. For each species in the *C. kyotensis* species complex, in most cases, the number of genotypes decreased with increasing soil depth. The 0–20 cm soil layer contained all of the genotypes of each species. To our knowledge, this study presents the first report of *C. orientalis* isolated in China. This species was isolated from the 40–60 and 60–80 cm soil layers at only one sampling point, and only one genotype was present. This study has enhanced our understanding of the species diversity and distribution characteristics of *Calonectria* in different soil layers.

Keywords: fungal ecology; multi-gene phylogeny; plant pathogen; soil-borne fungi; tree disease

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1. Introduction

Species in the genus *Calonectria* (*Hypocreales*, *Nectriaceae*) are phytopathogenic fungi that cause serious losses to plant crops in tropical and subtropical regions of the world [1–6]. Many species of *Calonectria* are important pathogens of agricultural, horticultural, and forestry crops and these species occur in approximately 335 plant species in nearly 100 plant families [1]. Species of *Calonectria* have been isolated from soils, fruits, leaves, stems, and roots [1,4,7–14]. The fungi are best known as foliar, shoot, and root pathogens [1,2,4,5], and

they are commonly associated with disease symptoms, including seedling damping-off, seedling rot, cutting rot, leaf spots, leaf blight, shoot blight, crown cankers, stem lesions, collar and root rots, and tuber rot [1,14–23].

Some species of *Calonectria* isolated from soils are important plant pathogens. *Calonectria ilicicola* is a soil-borne fungal pathogen of worldwide importance that causes black rot disease in peanut and red crown rot in soybean [21,24–28]. Recently, we isolated five *Calonectria* species, namely *C. aconidialis*, *C. auriculiformis*, *C. hongkongensis*, *C. pseudoreteaudii*, and *C. reteaudii*, from soils in a plantation of *Eucalyptus* trees [14]. Inoculation results showed that all five species caused leaf spot, leaf blight, and seedling rot to the tested *Eucalyptus* genotypes within three days [14].

Previous research results indicated a high level of species diversity of *Calonectria* in southern China, especially in soils [9,11,13,14,23]. Currently, a total of 125 *Calonectria* species have been described using DNA sequence-based phylogenetic analyses and morphological comparisons [5,13,29–35]. A total of 25 species of *Calonectria* have been identified and described in China based on DNA sequence data [5,9,11,13,14,36]. Of these species, 17 have been isolated from soils, with 11 from soils under plantation *Eucalyptus* trees [5,9,11,14].

Some *Calonectria* species can survive in soil for long periods, and microsclerotia are the primary survival structures [37]. Microsclerotia of some *Calonectria* species can survive in the absence of hosts for 15 years or more [38,39]. *Calonectria* microsclerotia have been recorded at depths of up to 66 cm below the soil surface [40]. Long-term survival and deep soil presence of microsclerotia are serious threats to the management of diseases caused by *Calonectria* species.

Understanding the diversity and distribution characteristics of *Calonectria* species in different soil layers will help us to clarify their potential long-term harm to plants and potential dissemination patterns. Very little research has been conducted concerning the distribution characteristics of microsclerotia in soils, and the few published studies have focused only on the surface soil [38,41]. In the past several years, studies have been conducted to understand *Calonectria* species diversity in forest soils [9–11,13,14,36], but all of the soil samples obtained for *Calonectria* isolation were collected from the 0–20 cm soil layer. In this study, a relatively large number of soil samples were collected from five different soil layers up to 100 cm depth in one 15-year-old *Eucalyptus urophylla* hybrid plantation. Isolates of *Calonectria* from this plantation were obtained and identified. The aims of this study were as follows: (1) to understand the species diversity of *Calonectria* in different soil layers; and (2) to understand the distribution characteristics of each *Calonectria* species in different soil layers.

2. Materials and Methods

2.1. Study Site, Soil Sampling, and Calonectria Isolation

This study was performed in a *Eucalyptus urophylla* hybrid plantation (21°15′31.74″ N, 110°06′35″ E; altitude 90 m) located in the South China Experimental Nursery, China Eucalypt Research Centre (CERC), ZhanJiang, GuangDong Province, China. The *Eucalyptus* plantation is located on the northern edge of the tropics, with a maritime monsoon climate [42]. The average annual precipitation is 1777 mm, and the period from May to October accounts for 84.1% of the annual precipitation. The annual average temperature is 23.4 °C (http://en.weather.com.cn; accessed date: 10 August 2021). The soil type is Rhodi-Udic Ferralosols, according to the Chinese Soil Taxonomy Classification [42,43]. The area of the *Eucalyptus* plantation is about 6 ha (400 × 150 m), and the planting density of *Eucalyptus* trees is 3 × 2 m. The *Eucalyptus* trees were 15 years old.

One hundred points in the *Eucalyptus* plantation were selected for soil sampling. The 100 points were randomly distributed in the plantation, and the distance between adjacent sampling points was 10 m. Soil samples were collected from five layers at each sampling point: 0–20, 20–40, 40–60, 60–80, and 80–100 cm. Two soil samples were collected in each soil layer for each sampling point. In total, 1000 soil samples were collected from the 100 sampling points. Each of the soil samples was placed in a resealable plastic bag and

transferred to the laboratory for *Calonectria* isolation. The soil samples were collected from July to August 2020.

For *Calonectria* isolation, the collected soil was transferred into a plastic cylinder sampling cup (diameter = 4.5 cm, height = 5 cm, and volume = 80 mL) (Chengdu Rich Science Industry Co., Ltd., Chengdu, China); the soil sample occupied two-thirds of the volume of the whole sampling cup volume. The soil sample was moistened by spraying with sterile water and stirred evenly with a sterilized bamboo stick. *Medicago sativa* (alfalfa) seeds were scattered onto the soil surface after it was surface-disinfested (30 s in 75% ethanol and washed several times with sterile water) in the sampling cup. The sampling cup with soil and alfalfa seeds was incubated at 25 °C under 12 h of daylight and 12 h of darkness. After one week, sporulating conidiophores with typical morphological characteristics of *Calonectria* species [1] were produced on infected alfalfa tissue. Using a dissection microscope (AxioCam Stemi 2000C, Carl Zeiss, Germany), the single conidial mass was scattered onto 2% malt extract agar (MEA) (20 g malt extract powder and 20 g agar powder per liter of water: malt extract powder was obtained from Beijing Shuangxuan microbial culture medium products factory, Beijing, China; the agar powder was obtained from Beijing Solarbio Science & Technology Co., Ltd., Beijing, China) using a sterile needle. After incubation at 25 °C for three to four hours, the germinated conidia were individually transferred onto fresh MEA under the dissection microscope and incubated at 25 °C for one week to obtain single-conidium cultures. For each soil sample, the soil was transferred into two plastic sampling cups for *Calonectria* isolation.

2.2. DNA Extraction, PCR Amplification, and Sequencing

All isolates obtained in this study were used for DNA extraction and sequence comparisons. DNA was extracted from 10-day-old cultures. Mycelia were collected using a sterilized scalpel and transferred to 2-mL Eppendorf tubes. The total genomic DNA was extracted using the CTAB protocol described by van Burik and co-authors [44]. The extracted DNA was dissolved in 30 µL TE buffer (1 M Tris-HCl and 0.5 M EDTA, pH 8.0), and 2.5 µL RNase (10 mg/mL) was added at 37 °C for one hour to degrade RNA. Finally, the DNA concentration was measured using a NanoDrop 2000 spectrometer (Thermo Fisher Scientific, Waltham, MA, USA).

According to previous research results, sequences of partial gene regions of translation elongation factor 1-alpha (*tef1*) and β-tubulin (*tub2*), as well as calmodulin (*cmdA*) and histone H3 (*his3*), were used to successfully identify *Calonectria* species [5,14]. These four partial gene regions were amplified using the primer pairs EF1-728F/EF2, T1/CYLTUB1R, CAL-228F/CAL-2Rd, and CYLH3F/CYLH3R, respectively. The PCR procedure was conducted as described by Liu and Chen [36] and Wang and Chen [23].

To obtain accurate sequences for each of the sequenced isolates, all of the PCR products were sequenced in both forward and reverse directions using the same primers used for PCR amplification by the Beijing Genomics Institute, Guangzhou, China. All of the sequences obtained in this study were edited using MEGA v. 7.0 software [45] and were deposited in GenBank (https://www.ncbi.nlm.nih.gov; accessed date: 18 September 2021). The *tef1* and *tub2* gene regions were sequenced for all *Calonectria* isolates. The isolates were genotyped by the *tef1* and *tub2* sequences. Based on the genotypes generated by *tef1* and *tub2* sequences, up to eight isolates for each *tef1*-*tub2* genotype were selected for sequencing the *cmdA* and *his3* gene regions.

2.3. Multi-Gene Phylogenetic Analyses, Morphology, and Species Identification

A standard nucleotide BLAST search was conducted using the *tef1*, *tub2*, *cmdA*, and *his3* sequences to preliminarily identify the species from which the isolates were obtained in this study. Sequences of *tef1*, *tub2*, *cmdA*, and *his3* gene regions obtained in this study were compared with sequences of type specimen strains of published *Calonectria* species. Sequences of all of the published species in the relevant species complexes were used for sequence comparisons and phylogenetic analyses. The datasets of Liu and co-authors [5]

were used as templates for analyses, while sequences of other recently described *Calonectria* species [13,32–35] were also used for sequence comparisons.

Sequences of each of the *tef1*, *tub2*, *cmdA*, and *his3* gene regions, as well as the combination of these four gene regions, were aligned using the online version of MAFFT v. 7 (http://mafft.cbrc.jp/alignment/server; accessed date: 7 August 2021) with the alignment strategy FFT-NS-i (Slow; interactive refinement method). Sequence alignments were manually edited using MEGA v. 7.0 software [45] after initial alignments.

For *Calonectria* species, maximum parsimony (MP) and maximum likelihood (ML) are frequently used for phylogenetic analyses [5,9,12,14]. Both MP and ML were used for phylogenetic analyses of sequence datasets of each of the four genes and the combination of the four gene regions in order to test whether the analysis results between the two methods were consistent. The MP and ML analyses were conducted by the methods described by Liu and Chen [36]. Phylogenetic trees were viewed by MEGA v. 7.0 [45]. Sequence data of two isolates of *Curvicladiella cignea* (CBS 109167 and CBS 109168) were used as outgroups [5].

The isolates selected for sequencing *tef1*, *tub2*, *cmdA*, and *his3* gene regions were used for morphological studies. Size of macroconidia and width of vesicles are the most typical asexual characteristics used for morphological comparisons for species of *Calonectria* [5,9,11,13,14,29,36]. In order to induce asexual structures, isolates were cultured on 2% MEA in Petri dishes at 25 °C for 10 days. Sterile water was then added to the Petri dishes, and a sterilized, soft-bristled paintbrush was used to dislodge the mycelium from the agar surface. The water was then removed, and the dishes were placed upside down and incubated at 25 °C for 2–3 days. This resulted in asexual structures being produced on the surface of the cultures for some *Calonectria* isolates, a pattern that has been noted for *Calonectria pteridis* by Graça and co-authors [46] and for *Calonectria pentaseptata* (synonymized as a synonym of *C. pseudoreteaudii* in Liu and co-authors [5]) by Wang and Chen [23]. Fifty measurements of macroconidia and vesicles were measured for the selected isolates that produced abundant macroconidia and vesicles.

2.4. Calonectria Species Diversity in Different Soil Layers

After all of the *Calonectria* isolates were identified, the number of isolates present in each identified species was counted. The species diversity associated with soil layers was computed. The distribution characteristics of each *Calonectria* species in each soil layer were recorded, including the number of sampling points from which each *Calonectria* species was obtained and the number of isolates of each *Calonectria* species in each of the five soil layers.

2.5. Genotyping of Isolates within Each Calonectria Species

After all of the *Calonectria* isolates were identified, we examined the genotype diversity of each identified *Calonectria* species in the five different soil layers. The genotypes of isolates within each species were determined based on *tef1* and *tub2* sequences, and the number of isolates belonging to each genotype was recorded.

2.6. Genotype Diversity of Calonectria Species in Different Soil Layers

Based on the results of genotype analysis of each isolate determined by the sequences of *tef1* and *tub2* gene regions, the numbers of genotypes of each *Calonectria* species in different soil layers were counted. To investigate possible evolutionary relationships among the observed *tef1–tub2* genotypes for the *Calonectria* species identified in this study with the most dominant species, minimum spanning networks (MSN) were constructed using Bruvo's distance with the R packages poppr and ape [47,48].

3. Results

3.1. Soil Sampling and Calonectria Isolation

One thousand soil samples from 100 sample points were collected from the *E. urophylla* hybrid plantation, with 200 soil samples from each of the five soil layers. For each soil sample, two plastic sampling cups with soil and alfalfa seeds were used for the incubation of *Calonectria*. After the conidia were transferred onto fresh MEA and incubated at 25 °C, more than 90% of the conidia germinated within four hours. For each sampling cup, one to four single conidia were transferred onto fresh MEA to obtain one to four single-conidium cultures. In total, *Calonectria* fungi were isolated from 93 sampling points in the plantation; the totals were 92, 40, 20, 7, and 5 from the 0–20, 20–40, 40–60, 60–80, and 80–100 cm soil layers, respectively (Supplementary Table S1, Supplementary Figure S1). One thousand and thirty-seven isolates of *Calonectria* were obtained, with 564 (54.4%), 310 (29.9%), 107 (10.3%), 28 (2.7%), and 28 isolates (2.7%) from the 0–20, 20–40, 40–60, 60–80, and 80–100 cm soil layers, respectively, and 84.3% of the isolates were distributed in the 0–20 and 20–40 cm soil layers (Table 1, Supplementary Table S2, Figure 1). From the results, it was clear that the number of sampling points that yielded *Calonectria* and the number (and percentage) of *Calonectria* isolates obtained decreased with increasing soil depth (Supplementary Figure S1, Figure 1).

Table 1. Number of isolates obtained for each *Calonectria* species from each soil layer.

Soil Layer	*C. hongkongensis*	*C. aconidialis*	*C. kyotensis*	*C. ilicicola*	*C. chinensis*	*C. orientalis*	All six *Calonectria* species	Percentage
0–20 cm	373	140	33	16	2	0	564	54.4%
20–40 cm	203	74	14	19	0	0	310	29.9%
40–60 cm	61	20	7	8	0	11	107	10.3%
60–80 cm	8	8	4	4	0	4	28	2.7%
80–100 cm	20	8	0	0	0	0	28	2.7%
All five soil layers	665	250	58	47	2	15	1037	
Percentage	64.1%	24.1%	5.6%	4.5%	0.2%	1.5%		

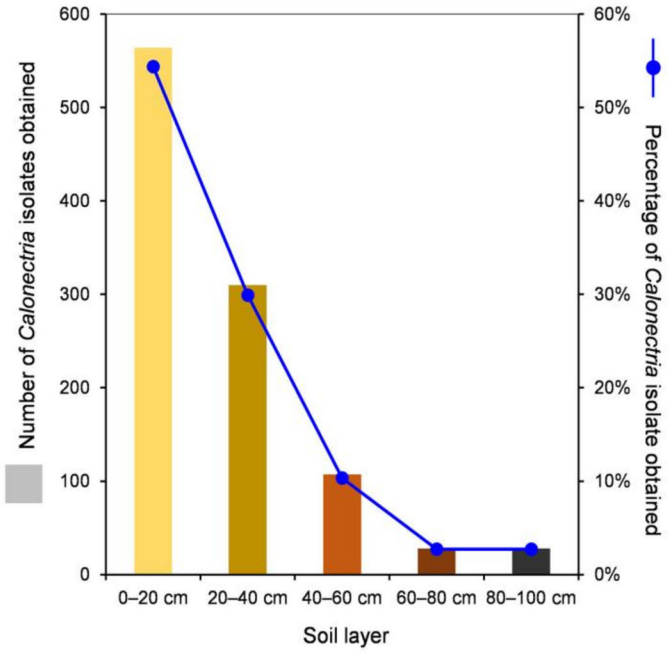

Figure 1. Numbers and percentages of *Calonectria* isolates obtained in each of the five soil layers.

3.2. Sequencing

The *tef1* and *tub2* genes were amplified for all the 1037 isolates obtained in this study (Supplementary Table S2). Twenty-two genotypes were generated based on *tef1* and *tub2* gene sequences (Table 2). Depending on the isolate number of each *tef1*-*tub2* genotype, one

to eight isolates of each genotype were selected; finally, 85 isolates in total were selected to sequence the *cmdA* and *his3* gene regions (Table 3). The sequence fragments were approximately 500, 565, 685, and 440 bp for the *tef1*, *tub2*, *cmdA*, and *his3* gene regions, respectively.

Table 2. Isolate numbers of each genotype from each *Calonectria* species.

Calonectria Species	Number of Genotypes Determined by *tef1* and *tub2* Gene Sequences	Genotype Determined by *tef1* and *tub2* Gene Sequences	Number of Isolates of Each Genotype	Number of isolates of Each *Calonectria* Species
C. hongkongensis	11	AA	561	665
		AB	1	
		AC	4	
		AD	7	
		AE	2	
		AF	20	
		AG	15	
		AH	4	
		BA	15	
		CA	5	
		DA	31	
C. aconidialis	3	AA	156	250
		AB	9	
		AC	85	
C. kyotensis	3	AA	33	58
		AB	19	
		BA	6	
C. ilicicola	3	AA	26	47
		AB	9	
		BB	12	
C. chinensis	1	AA	2	2
C. orientalis	1	AA	15	15
All six *Calonectria* species	22		1037	1037

3.3. Multi-Gene Phylogenetic Analyses, Morphology, and Species Identification

The standard nucleotide BLAST search results conducted using the *tef1*, *tub2*, *cmdA*, and *his3* sequences showed that the isolates obtained in the current study belonged to two species complexes of *Calonectria*, namely, the *C. kyotensis* species complex and the *C. brassicae* species complex. The 85 *Calonectria* isolates with four gene regions sequenced were used for phylogenetic analyses (Table 3). Based on the recently published results in Liu and co-authors [5] and Crous and co-authors [34], sequences of *tef1*, *tub2*, *cmdA*, and *his3* of published species in the *C. kyotensis* species complex and *C. brassicae* species complex, respectively, were used for sequence comparisons and phylogenetic analyses (Table 4).

The partition homogeneity test (PHT) comparing the *tef1*, *tub2*, *cmdA*, and *his3* gene combination datasets generated a *p*-value of 0.001, indicating that the accuracy of the combined datasets did not suffer relative to the individual partitions [60]. Thus, sequences of the four loci were combined for analyses. Between the MP and ML trees, the overall topologies were similar for the phylogenetic trees based on *tef1*, *tub2*, *cmdA*, and *his3* individually and the combination datasets, but the relative positions of some *Calonectria* species slightly differed. The five ML trees are presented in Figure 2 and Supplementary Figures S2–S5. The numbers of taxa and parsimony-informative characters, statistical values of the MP analyses, and parameters of the best-fit substitution models of ML analyses are provided in Table 5.

Table 3. Isolates sequenced and used for phylogenetic analyses and morphological studies in this study.

Identity	Genotype [1]	Isolate No. [2]	Sampling Point No. [3]	Soil Layer	Sample and Isolate Information [4]	Collectors	GenBank Accession No. [5]			
							tef1	*tub2*	*cmdA*	*his3*
C. aconidialis	AAAA	CSF20325	6	0–20 cm	20200711-1-(3)_0–20 cm_A_R2_SC2	S.F. Chen, L.L. Liu, J.L. Han, Y Liu, and X.Y. Liang	OK167700	OK168737	OK169148	OK169232
C. aconidialis	AAAA	CSF21348	98	0–20 cm	20200816-1-(6)_0–20 cm_A_R2_SC1	L.L. Liu, J.L. Han, and L.S. Sun	OK167855	OK168892	OK169151	OK169235
C. aconidialis	AACA	CSF20378	9	0–20 cm	20200711-1-(6)_0–20 cm_A_R2_SC1	S.F. Chen, L.L. Liu, J.L. Han, Y Liu, and X.Y. Liang	OK167701	OK168738	OK169149	OK169233
C. aconidialis	AACA	CSF20447	11	0–20 cm	20200715-1-(1)_0–20 cm_B_R2_SC2	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun, and W.W. Li	OK167704	OK168741	OK169150	OK169234
C. aconidialis	ABBA	CSF20985 [6]	68	20–40 cm	20200811-1-(4)_0–40 cm_B_R1_SC3	L.L. Liu, J.L. Han, and L.S. Sun	OK167856	OK168893	OK169152	OK169236
C. aconidialis	ABBA	CSF21262	93	20–40 cm	20200816-1-(1)_0–40 cm_B_R1_SC1	L.L. Liu, J.L. Han, and L.S. Sun	OK167857	OK168894	OK169153	OK169237
C. aconidialis	ABBA	CSF21266	93	20–40 cm	20200816-1-(1)_0–40 cm_B_R2_SC2	L.L. Liu, J.L. Han, and L.S. Sun	OK167861	OK168898	OK169154	OK169238
C. aconidialis	ABBA	CSF21349	98	0–20 cm	20200816-1-(6)_0–20 cm_A_R2_SC2	L.L. Liu, J.L. Han, and L.S. Sun	OK167864	OK168901	OK169155	OK169239
C. aconidialis	ACAA	CSF20257	1	0–20 cm	20200709-1-(1)_0–20 cm_A_R1_SC1	S.F. Chen, L.L. Liu, J.L. Han, Y Liu, and X.Y. Liang	OK167865	OK168902	OK169156	OK169240
C. aconidialis	ACAA	CSF20323 [6]	6	0–20 cm	20200711-1-(3)_0–20 cm_A_R1_SC1	S.F. Chen, L.L. Liu, J.L. Han, Y Liu, and X.Y. Liang	OK167866	OK168903	OK169157	OK169241
C. aconidialis	ACAA	CSF20376 [6]	9	0–20 cm	20200711-1-(6)_0–20 cm_A_R1_SC1	S.F. Chen, L.L. Liu, J.L. Han, Y Liu, and X.Y. Liang	OK167868	OK168905	OK169158	OK169242
C. aconidialis	ACAA	CSF21346	98	0–20 cm	20200816-1-(6)_0–20 cm_A_R1_SC1	L.L. Liu, J.L. Han, and L.S. Sun	OK167946	OK168983	OK169159	OK169243
C. chinensis	AAAA	CSF20756 [6]	52	0–20 cm	20200809-1-(2)_0–20 cm_A_R2_SC1	L.L. Liu, J.L. Han, and L.S. Sun	OK168055	OK169092	OK169184	OK169268
C. chinensis	AAAA	CSF20759 [6]	52	0–20 cm	20200809-1-(2)_0–20 cm_A_R2_SC4	L.L. Liu, J.L. Han, and L.S. Sun	OK168056	OK169093	OK169185	OK169269
C. hongkongensis	AAAA	CSF20258	1	0–20 cm	20200709-1-(1)_0–20 cm_A_R1_SC2	S.F. Chen, L.L. Liu, J.L. Han, Y Liu, and X.Y. Liang	OK167035	OK168072	OK169109	OK169194
C. hongkongensis	AAAA	CSF20271	2	0–20 cm	20200709-1-(2)_0–20 cm_A_R1_SC1	S.F. Chen, L.L. Liu, J.L. Han, Y Liu, and X.Y. Liang	OK167044	OK168081	OK169110	OK169195
C. hongkongensis	AAAA	CSF20291	3	0–20 cm	20200709-1-(3)_0–20 cm_A_R2_SC1	S.F. Chen, L.L. Liu, J.L. Han, Y Liu, and X.Y. Liang	OK167056	OK168093	OK169111	OK169196
C. hongkongensis	AAAA	CSF21370	100	0–20 cm	20200816-1-(8)_0–20 cm_A_R2_SC2	L.L. Liu, J.L. Han, and L.S. Sun	OK167588	OK168625	OK169112	OK169197
C. hongkongensis	ABA-	CSF20758	52	0–20 cm	20200809-1-(2)_0–20 cm_A_R2_SC3	L.L. Liu, J.L. Han, and L.S. Sun	OK167596	OK168633	OK169113	– [7]
C. hongkongensis	ACAA	CSF20524	17	0–20 cm	20200715-1-(7)_0–20 cm_B_R1_SC1	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun, and W.W. Li	OK167597	OK168634	OK169114	OK169198
C. hongkongensis	ACAA	CSF20525	17	0–20 cm	20200715-1-(7)_0–20 cm_B_R1_SC2	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun, and W.W. Li	OK167598	OK168635	OK169115	OK169199
C. hongkongensis	ACAB	CSF21368	100	0–20 cm	20200816-1-(8)_0–20 cm_A_R1_SC2	L.L. Liu, J.L. Han, and L.S. Sun	OK167599	OK168636	OK169116	OK169200
C. hongkongensis	ACAB	CSF21372	100	0–20 cm	20200816-1-(8)_0–20 cm_B_R1_SC2	L.L. Liu, J.L. Han, and L.S. Sun	OK167600	OK168637	OK169117	OK169201
C. hongkongensis	ADAA	CSF20412	10	0–20 cm	20200711-1-(7)_0–20 cm_B_R1_SC1	S.F. Chen, L.L. Liu, J.L. Han, Y Liu, and X.Y. Liang	OK167601	OK168638	OK169118	OK169202
C. hongkongensis	ADAA	CSF20454	11	20–40 cm	20200715-1-(1)_0–40 cm_A_R2_SC3	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun, and W.W. Li	OK167602	OK168639	OK169119	OK169203
C. hongkongensis	ADAA	CSF20834	60	0–20 cm	20200810-1-(4)_0–20 cm_B_R1_SC1	L.L. Liu, J.L. Han, and L.S. Sun	OK167604	OK168641	OK169120	OK169204
C. hongkongensis	ADAA	CSF21304	96	0–20 cm	20200816-1-(4)_0–20 cm_A_R2_SC1	L.L. Liu, J.L. Han, and L.S. Sun	OK167607	OK168644	OK169121	OK169205
C. hongkongensis	AEAA	CSF20923	65	0–20 cm	20200811-1-(1)_0–20 cm_A_R1_SC1	L.L. Liu, J.L. Han, and L.S. Sun	OK167608	OK168645	OK169122	OK169206
C. hongkongensis	AEAA	CSF20924 [6]	65	0–20 cm	20200811-1-(1)_0–20 cm_A_R1_SC2	L.L. Liu, J.L. Han, and L.S. Sun	OK167609	OK168646	OK169123	OK169207
C. hongkongensis	AFAA	CSF20259	1	0–20 cm	20200709-1-(1)_0–20 cm_A_R2_SC1	S.F. Chen, L.L. Liu, J.L. Han, Y Liu, and X.Y. Liang	OK167610	OK168647	OK169124	OK169208
C. hongkongensis	AFAA	CSF20309	4	0–20 cm	20200711-1-(1)_0–20 cm_A_R1_SC1	S.F. Chen, L.L. Liu, J.L. Han, Y Liu, and X.Y. Liang	OK167611	OK168648	OK169125	OK169209
C. hongkongensis	AFAA	CSF20470	12	0–20 cm	20200715-1-(2)_0–20 cm_A_R2_SC1	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun, and W.W. Li	OK167615	OK168652	OK169126	OK169210
C. hongkongensis	AFAA	CSF21233	90	0–20 cm	20200815-1-(3)_0–20 cm_B_R2_SC2	L.L. Liu, J.L. Han, and L.S. Sun	OK167629	OK168666	OK169127	OK169211
C. hongkongensis	AGAA	CSF20380	9	0–20 cm	20200711-1-(6)_0–20 cm_B_R1_SC1	S.F. Chen, L.L. Liu, J.L. Han, Y Liu, and X.Y. Liang	OK167630	OK168667	OK169128	OK169212
C. hongkongensis	AGAA	CSF20441	11	0–20 cm	20200715-1-(1)_0–20 cm_A_R1_SC2	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun, and W.W. Li	OK167631	OK168668	OK169129	OK169213
C. hongkongensis	AGAA	CSF20528	17	40–60 cm	20200715-1-(7)_0–60 cm_A_R1_SC1	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun, and W.W. Li	OK167632	OK168669	OK169130	OK169214
C. hongkongensis	AGAA	CSF21018	71	0–20 cm	20200811-1-(7)_0–20 cm_B_R1_SC1	L.L. Liu, J.L. Han, and L.S. Sun	OK167644	OK168681	OK169131	OK169215
C. hongkongensis	AHAA	CSF20760	52	0–20 cm	20200809-1-(2)_0–20 cm_B_R1_SC1	L.L. Liu, J.L. Han, and L.S. Sun	OK167645	OK168682	OK169132	OK169216
C. hongkongensis	AHAA	CSF20761 [6]	52	0–20 cm	20200809-1-(2)_0–20 cm_B_R1_SC2	L.L. Liu, J.L. Han, and L.S. Sun	OK167646	OK168683	OK169133	OK169217
C. hongkongensis	AHAA	CSF21155	82	0–20 cm	20200813-1-(2)_0–20 cm_B_R2_SC1	L.L. Liu, J.L. Han, and L.S. Sun	OK167647	OK168684	OK169134	OK169218
C. hongkongensis	AHAA	CSF21156	82	0–20 cm	20200813-1-(2)_0–20 cm_B_R2_SC2	L.L. Liu, J.L. Han, and L.S. Sun	OK167648	OK168685	OK169135	OK169219
C. hongkongensis	BAAA	CSF20472	12	0–20 cm	20200715-1-(2)_0–20 cm_B_R1_SC1	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun, and W.W. Li	OK167649	OK168686	OK169136	OK169220
C. hongkongensis	BAAA	CSF20734	51	0–20 cm	20200809-1-(1)_0–20 cm_A_R1_SC1	L.L. Liu, J.L. Han, and L.S. Sun	OK167652	OK168689	OK169137	OK169221
C. hongkongensis	BAAA	CSF21183	86	0–20 cm	20200814-1-(2)_0–20 cm_B_R1_SC1	L.L. Liu, J.L. Han, and L.S. Sun	OK167657	OK168694	OK169138	OK169222
C. hongkongensis	BAAA	CSF21359	99	0–20 cm	20200816-1-(7)_0–20 cm_A_R2_SC1	L.L. Liu, J.L. Han, and L.S. Sun	OK167660	OK168697	OK169139	OK169223
C. hongkongensis	CAAA	CSF20353 [6]	7	0–20 cm	20200711-1-(4)_0–20 cm_A_R2_SC2	S.F. Chen, L.L. Liu, J.L. Han, Y Liu, and X.Y. Liang	OK167664	OK168701	OK169140	OK169224
C. hongkongensis	CAAA	CSF20358	7	20–40 cm	20200711-1-(4)_0–40 cm_B_R1_SC1	S.F. Chen, L.L. Liu, J.L. Han, Y Liu, and X.Y. Liang	OK167665	OK168702	OK169141	OK169225
C. hongkongensis	CAAA	CSF20359	7	20–40 cm	20200711-1-(4)_0–40 cm_B_R1_SC2	S.F. Chen, L.L. Liu, J.L. Han, Y Liu, and X.Y. Liang	OK167666	OK168703	OK169142	OK169226
C. hongkongensis	CAAA	CSF20360 [6]	7	20–40 cm	20200711-1-(4)_0–40 cm_B_R1_SC3	S.F. Chen, L.L. Liu, J.L. Han, Y Liu, and X.Y. Liang	OK167667	OK168704	OK169143	OK169227
C. hongkongensis	DAAA	CSF20334	6	20–40 cm	20200711-1-(3)_0–40 cm_B_R1_SC1	S.F. Chen, L.L. Liu, J.L. Han, Y Liu, and X.Y. Liang	OK167669	OK168706	OK169144	OK169228
C. hongkongensis	DAAA	CSF20383 [6]	9	0–20 cm	20200711-1-(6)_0–20 cm_B_R2_SC2	S.F. Chen, L.L. Liu, J.L. Han, Y Liu, and X.Y. Liang	OK167673	OK168710	OK169145	OK169229
C. hongkongensis	DAAA	CSF20444	11	0–20 cm	20200715-1-(1)_0–20 cm_B_R1_SC1	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun, and W.W. Li	OK167678	OK168715	OK169146	OK169230
C. hongkongensis	DAAA	CSF21367	100	0–20 cm	20200816-1-(8)_0–20 cm_A_R1_SC1	L.L. Liu, J.L. Han, and L.S. Sun	OK167699	OK168736	OK169147	OK169231

Table 3. *Cont.*

Identity	Genotype [1]	Isolate No. [2]	Sampling Point No. [3]	Soil Layer	Sample and Isolate Information [4]	Collectors	GenBank Accession No. [5]			
							tef1	*tub2*	*cmdA*	*his3*
C. ilicicola	AAAB	CSF20594	29	0–20 cm	20200727-1-(5)_0–20 cm_A_R2_SC1	L.L. Liu, J.L. Han, and L.S. Sun	OK168008	OK169045	OK169172	OK169256
C. ilicicola	AAAB	CSF21126	80	20–40 cm	20200812-1-(8)_0–40 cm_A_R2_SC1	L.L. Liu, J.L. Han, and L.S. Sun	OK168010	OK169047	OK169173	OK169257
C. ilicicola	AAAB	CSF21219	89	0–20 cm	20200815-1-(2)_0–20 cm_A_R2_SC1	L.L. Liu, J.L. Han, and L.S. Sun	OK168014	OK169051	OK169174	OK169258
C. ilicicola	AAAB	CSF21310 [6]	96	20–40 cm	20200816-1-(4)_0–40 cm_A_R1_SC1	L.L. Liu, J.L. Han, and L.S. Sun	OK168016	OK169053	OK169175	OK169259
C. ilicicola	ABAA	CSF20618 [6]	32	0–20 cm	20200729-1-(2)_0–20 cm_A_R1_SC1	L.L. Liu, J.L. Han, L.S. Sun, Y Liu, and X.Y. Liang	OK168034	OK169071	OK169176	OK169260
C. ilicicola	ABAA	CSF20620	32	0–20 cm	20200729-1-(2)_0–20 cm_A_R2_SC1	L.L. Liu, J.L. Han, L.S. Sun, Y Liu, and X.Y. Liang	OK168036	OK169073	OK169177	OK169261
C. ilicicola	ABAA	CSF20624	32	20–40 cm	20200729-1-(2)_0–40 cm_A_R1_SC1	L.L. Liu, J.L. Han, L.S. Sun, Y Liu, and X.Y. Liang	OK168038	OK169075	OK169178	OK169262
C. ilicicola	ABAA	CSF20703	45	0–20 cm	20200731-1-(2)_0–20 cm_B_R1_SC1	L.L. Liu, J.L. Han, and L.S. Sun	OK168042	OK169079	OK169179	OK169263
C. ilicicola	BBAA	CSF20853	61	20–40 cm	20200810-1-(5)_0–40 cm_A_R1_SC8	L.L. Liu, J.L. Han, and L.S. Sun	OK168043	OK169080	OK169180	OK169264
C. ilicicola	BBBA	CSF21052 [6]	74	0–20 cm	20200812-1-(2)_0–20 cm_A_R1_SC1	L.L. Liu, J.L. Han, and L.S. Sun	OK168044	OK169081	OK169181	OK169265
C. ilicicola	BBBA	CSF21198	87	0–20 cm	20200814-1-(3)_0–20 cm_A_R2_SC2	L.L. Liu, J.L. Han, and L.S. Sun	OK168047	OK169084	OK169182	OK169266
C. ilicicola	BBBA	CSF21292	95	0–20 cm	20200816-1-(3)_0–20 cm_A_R1_SC1	L.L. Liu, J.L. Han, and L.S. Sun	OK168053	OK169090	OK169183	OK169267
C. kyotensis	AAAA	CSF20372	8	0–20 cm	20200711-1-(5)_0–20 cm_B_R2_SC1	S.F. Chen, L.L. Liu, J.L. Han, Y Liu, and X.Y. Liang	OK167950	OK168987	OK169160	OK169244
C. kyotensis	AAAA	CSF20443	11	0–20 cm	20200715-1-(1)_0–20 cm_A_R2_SC2	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun, and W.W. Li	OK167952	OK168989	OK169161	OK169245
C. kyotensis	AAAA	CSF21350	98	0–20 cm	20200816-1-(6)_0–20 cm_B_R1_SC1	L.L. Liu, J.L. Han, and L.S. Sun	OK167981	OK169018	OK169163	OK169247
C. kyotensis	AAAB	CSF20518	16	0–20 cm	20200715-1-(6)_0–20 cm_B_R2_SC1	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun, and W.W. Li	OK167953	OK168990	OK169162	OK169246
C. kyotensis	ABAA	CSF21191 [6]	86	40–60 cm	20200814-1-(2)_0–60 cm_B_R2_SC1	L.L. Liu, J.L. Han, and L.S. Sun	OK167998	OK169035	OK169167	OK169251
C. kyotensis	ABAB	CSF20260	1	0–20 cm	20200709-1-(1)_0–20 cm_A_R2_SC2	S.F. Chen, L.L. Liu, J.L. Han, Y Liu, and X.Y. Liang	OK167983	OK169020	OK169164	OK169248
C. kyotensis	ABAB	CSF20432	10	40–60 cm	20200711-1-(7)_0–60 cm_B_R2_SC1	S.F. Chen, L.L. Liu, J.L. Han, Y Liu, and X.Y. Liang	OK167988	OK169025	OK169166	OK169250
C. kyotensis	ABBA	CSF20338	6	20–40 cm	20200711-1-(3)_0–40 cm_B_R2_SC1	S.F. Chen, L.L. Liu, J.L. Han, Y Liu, and X.Y. Liang	OK167986	OK169023	OK169165	OK169249
C. kyotensis	BAAA	CSF20275	2	20–40 cm	20200709-1-(2)_0–40 cm_A_R1_SC1	S.F. Chen, L.L. Liu, J.L. Han, Y Liu, and X.Y. Liang	OK168002	OK169039	OK169168	OK169252
C. kyotensis	BAAA	CSF20276 [6]	2	20–40 cm	20200709-1-(2)_0–40 cm_A_R1_SC2	S.F. Chen, L.L. Liu, J.L. Han, Y Liu, and X.Y. Liang	OK168003	OK169040	OK169169	OK169253
C. kyotensis	BAAA	CSF21111	78	0–20 cm	20200812-1-(6)_0–20 cm_B_R2_SC1	L.L. Liu, J.L. Han, and L.S. Sun	OK168006	OK169043	OK169170	OK169254
C. kyotensis	BAAA	CSF21335 [6]	97	0–20 cm	20200816-1-(5)_0–20 cm_A_R1_SC2	L.L. Liu, J.L. Han, and L.S. Sun	OK168007	OK169044	OK169171	OK169255
C. orientalis	AAAA	CSF20602	31	40–60 cm	20200729-1-(1)_0–60 cm_A_R1_SC1	L.L. Liu, J.L. Han, L.S. Sun, Y Liu, and X.Y. Liang	OK168057	OK169094	OK169186	OK169270
C. orientalis	AAAA	CSF20603	31	40–60 cm	20200729-1-(1)_0–60 cm_A_R1_SC2	L.L. Liu, J.L. Han, L.S. Sun, Y Liu, and X.Y. Liang	OK168058	OK169095	OK169187	OK169271
C. orientalis	AAAA	CSF20606	31	40–60 cm	20200729-1-(1)_0–60 cm_B_R1_SC1	L.L. Liu, J.L. Han, L.S. Sun, Y Liu, and X.Y. Liang	OK168061	OK169098	OK169188	OK169272
C. orientalis	AAAA	CSF20607	31	40–60 cm	20200729-1-(1)_0–60 cm_B_R1_SC2	L.L. Liu, J.L. Han, L.S. Sun, Y Liu, and X.Y. Liang	OK168062	OK169099	OK169189	OK169273
C. orientalis	AAAA	CSF20610	31	40–60 cm	20200729-1-(1)_0–60 cm_B_R2_SC1	L.L. Liu, J.L. Han, L.S. Sun, Y Liu, and X.Y. Liang	OK168064	OK169101	OK169190	OK169274
C. orientalis	AAAA	CSF20611	31	40–60 cm	20200729-1-(1)_0–60 cm_B_R2_SC2	L.L. Liu, J.L. Han, L.S. Sun, Y Liu, and X.Y. Liang	OK168065	OK169102	OK169191	OK169275
C. orientalis	AAAA	CSF20614 [6]	31	60–80 cm	20200729-1-(1)_0–80 cm_B_R1_SC1	L.L. Liu, J.L. Han, L.S. Sun, Y Liu, and X.Y. Liang	OK168068	OK169105	OK169192	OK169276
C. orientalis	AAAA	CSF20615	31	60–80 cm	20200729-1-(1)_0–80 cm_B_R1_SC2	L.L. Liu, J.L. Han, L.S. Sun, Y Liu, and X.Y. Liang	OK168069	OK169106	OK169193	OK169277

[1] Genotype within each *Calonectria* species, determined by sequences of the *tef1*, *tub2*, *cmdA*, and *his3* regions; "-" means not available. [2] CSF: Culture collection located at China Eucalypt Research Centre (CERC), Chinese Academy of Forestry, ZhanJiang, GuangDong Province, China. [3] Number of 100 sampling points in this study. [4] Information associated with sample point and isolate, for example, "20200711-1-(3)_0–20 cm_A_R2_SC2" indicated sample number "20200711-1-(3), soil layer (0–20 cm), sample plastic bag (A), plastic sampling cup (R2), single conidium 2 (SC2). [5] *tef1* = translation elongation factor 1-alpha; *tub2* = β-tubulin; *cmdA* = calmodulin; *his3* = histone H3. [6] Isolates used for measuring macroconidia and vesicles in the current study. [7] "–" represents the relative locus was not successfully amplified in the current study.

Table 4. Isolates from other studies used in the phylogenetic analyses in this study.

Species Code [1]	Species	Isolates No. [2,3]	Other Collection Number [3]	Hosts	Area of Occurrence	Collector	GenBank Accession No. [4]				References
							tef1	*tub2*	*cmdA*	*his3*	
Species in *Calonectria kyotensis* species complex											
B4	*C. aconidialis*	CMW 35174^{T}	CBS 136086; CERC 1850	Soil in *Eucalyptus* plantation	HaiNan, China	X. Mou and S.F. Chen	MT412695	**OK357463**	MT335165	MT335404	[5,9]
		CMW 35384	CBS 136091; CERC 1886	Soil in *Eucalyptus* plantation	HaiNan, China	X. Mou and S.F. Chen	MT412696	**OK357464**	MT335166	MT335405	[5,9]
B5	*C. aeknauliensis*	CMW 48253^{T}	CBS 143559	Soil in *Eucalyptus* plantation	Aek Nauli, North Sumatra, Indonesia	M.J. Wingfield	MT412710	**OK357465**	MT335180	MT335419	[5,12]
		CMW 48254	CBS 143560	Soil in *Eucalyptus* plantation	Aek Nauli, North Sumatra, Indonesia	M.J. Wingfield	MT412711	**OK357466**	MT335181	MT335420	[5,12]
B8	*C. asiatica*	CBS 114073^{T}	CMW 23782; CPC 3900	Debris leaf litter	Prathet Thai, Thailand	N.L. Hywel-Jones	AY725705	AY725616	AY725741	AY725658	[29,49]
B17	*C. brassicicola*	CBS 112841^{T}	CMW 51206; CPC 4552	Soil at *Brassica* sp.	Indonesia	M.J. Wingfield	KX784689	KX784619	KX784561	N/A [5]	[30]
B19	*C. bumicola*	CMW 48257^{T}	CBS 143575	Soil in *Eucalyptus* plantation	Aek Nauli, North Sumatra, Indonesia	M.J. Wingfield	MT412736	**OK357467**	MT335205	MT335445	[5,12]
B20	*C. canadiana*	CMW 23673^{T}	CBS 110817; STE-U 499	*Picea* sp.	Canada	S. Greifenhagen	MT412737	MT412958	MT335206	MT335446	[1,5,17,50]
		CERC 8952	–	Soil	HeNan, China	S.F. Chen	MT412821	MT413035	MT335290	MT335530	[5,36]
B23	*C. chinensis*	CMW 23674^{T}	CBS 114827; CPC 4101	Soil	Hong Kong, China	E.C.Y. Liew	MT412751	MT412972	MT335220	MT335460	[5,29,49]
		CMW 30986	CBS 112744; CPC 4104	Soil	Hong Kong, China	E.C.Y. Liew	MT412752	MT412973	MT335221	MT335461	[5,29,49]
B26	*C. cochinchinensis*	CMW 49915^{T}	CBS 143567	Soil in *Hevea brasiliensis* plantation	Duong Minh Chau, Tay Ninh, Vietnam	N.Q. Pham, Q.N. Dang, and T.Q. Pham	MT412756	MT412977	MT335225	MT335465	[5,12]
		CMW 47186	CBS 143568	Soil in *Acacia auriculiformis* plantation	Song May, Dong Nai, Vietnam	N.Q. Pham and T.Q. Pham	MT412757	MT412978	MT335226	MT335466	[5,12]
B29	*C. colombiensis*	CMW 23676^{T}	CBS 112220; CPC 723	Soil in *E. grandis* trees	La Selva, Colombia	M.J. Wingfield	MT412759	MT412980	MT335228	MT335468	[5,49]
		CMW 30985	CBS 112221; CPC 724	Soil in *E. grandis* trees	La Selva, Colombia	M.J. Wingfield	MT412760	MT412981	MT335229	MT335469	[5,49]
B31	*C. curvispora*	CMW 23693^{T}	CBS 116159; CPC 765	Soil	Tamatave, Madagascar	P.W. Crous	MT412763	**OK357468**	MT335232	MT335472	[1,5,9,29,51]
		CMW 48245	CBS 143565	Soil in *Eucalyptus* plantation	Aek Nauli, North Sumatra, Indonesia	M.J. Wingfield	MT412764	N/A	MT335233	MT335473	[5,12]
B46	*C. heveicola*	CMW 49913^{T}	CBS 143570	Soil in *H. brasiliensis* plantation	Bau Bang, Binh Duong, Vietnam	N.Q. Pham, Q.N. Dang, and T.Q. Pham	MT412786	MT413004	MT335255	MT335495	[5,12]
		CMW 49928	CBS 143571	Soil	Bu Gia Map National Park, Binh Phuoc, Vietnam	N.Q. Pham, Q.N. Dang, and T.Q. Pham	MT412811	MT413025	MT335280	MT335520	[5,12]
B48	*C. hongkongensis*	CBS 114828^{T}	CMW 51217; CPC 4670	Soil	Hong Kong, China	M.J. Wingfield	MT412789	MT413007	MT335258	MT335498	[5,49]
		CERC 3570	CMW 47271	Soil in *Eucalyptus* plantation	BeiHai, Guangxi, China	S.F. Chen, J.Q. Li, and G.Q. Li	MT412791	MT413009	MT335260	MT335500	[5,11]
B51	*C. ilicicola*	CMW 30998^{T}	CBS 190.50; IMI 299389; STE-U 2482	*Solanum tuberosum*	Bogor, Java, Indonesia	K.B. Boedijn and J. Reitsma	MT412797	**OK357469**	MT335266	MT335506	[1,5,29,52]
B52	*C. indonesiae*	CMW 23683^{T}	CBS 112823; CPC 4508	*Syzygium aromaticum*	Warambunga, Indonesia	M.J. Wingfield	MT412798	MT413015	MT335267	MT335507	[5,49]
		CBS 112840	CMW 51205; CPC 4554	*S. aromaticum*	Warambunga, Indonesia	M.J. Wingfield	MT412799	MT413016	MT335268	MT335508	[5,49]
B55	*C. kyotensis*	CBS 114525^{T}	ATCC 18834; CMW 51824; CPC 2367	*Robinia pseudoacacia*	Japan	T. Terashita	MT412802	MT413019	MT335271	MT335511	[1,5,30,53]
		CBS 114550	CMW 51825; CPC 2351	Soil	China	M.J. Wingfield	MT412777	MT412995	MT335246	MT335486	[5,30]
B57	*C. lantauensis*	CERC 3302^{T}	CBS 142888; CMW 47252	Soil	LiDao, Hong Kong, China	M.J. Wingfield and S.F. Chen	MT412803	**OK357470**	MT335272	MT335512	[5,11]
		CERC 3301	CBS 142887; CMW 47251	Soil	LiDao, Hong Kong, China	M.J. Wingfield and S.F. Chen	MT412804	**OK357471**	MT335273	MT335513	[5,11]

Table 4. *Cont.*

Species Code [1]	Species	Isolates No. [2,3]	Other Collection Number [3]	Hosts	Area of Occurrence	Collector	GenBank Accession No. [4]				References
							tef1	*tub2*	*cmdA*	*his3*	
B58	*C. lateralis*	CMW 31412^{T}	CBS 136629	Soil in *Eucalyptus* plantation	GuangXi, China	X. Zhou, G. Zhao, and F. Han	MT412805	MT413020	MT335274	MT335514	[5,9]
B66	*C. malesiana*	CMW 23687^{T}	CBS 112752; CPC 4223	Soil	Northern Sumatra, Indonesia	M.J. Wingfield	MT412817	MT413031	MT335286	MT335526	[5,49]
		CBS 112710	CMW 51199; CPC 3899	Leaf litter	Prathet, Thailand	N.L. Hywel-Jones	MT412818	MT413032	MT335287	MT335527	[5,49]
B80	*C. pacifica*	CMW 16726^{T}	A1568; CBS 109063; IMI 354528; STE-U 2534	*Araucaria heterophylla*	Hawaii, USA	M. Aragaki	MT412842	**OK357472**	MT335311	MT335551	[1,5,49,50]
		CMW 30988	CBS 114038	*Ipomoea aquatica*	Auckland, New Zealand	C.F. Hill	MT412843	**OK357473**	MT335312	MT335552	[1,5,29,49]
B86	*C. penicilloides*	CMW 23696^{T}	CBS 174.55; STE-U 2388	*Prunus* sp.	Hatizyo Island, Japan	M. Ookubu	MT412869	MT413081	MT335338	MT335578	[1,5,54]
B112	*C. sumatrensis*	CMW 23698^{T}	CBS 112829; CPC 4518	Soil	Northern Sumatra, Indonesia	M.J. Wingfield	MT412913	**OK357474**	MT335382	MT335622	[5,49]
		CMW 30987	CBS 112934; CPC 4516	Soil	Northern Sumatra, Indonesia	M.J. Wingfield	MT412914	**OK357475**	MT335383	MT335623	[5,49]
B113	*C. syzygiicola*	CBS 112831^{T}	CMW 51204; CPC 4511	*Syzygium aromaticum*	Sumatra, Indonesia	M.J. Wingfield	KX784736	KX784663	N/A	N/A	[30]
B116	*C. uniseptata*	CBS 413.67^{T}	CMW 23678; CPC 2391; IMI 299577	*Paphiopedilum callosum*	Celle, Germany	W. Gerlach	GQ267307	GQ267208	GQ267379	GQ267248	[30]
B120	*C. yunnanensis*	CERC 5339^{T}	CBS 142897; CMW 47644	Soil in *Eucalyptus* plantation	YunNan, China	S.F. Chen and J.Q. Li	MT412927	MT413134	MT335396	MT335636	[5,11]
		CERC 5337	CBS 142895; CMW 47642	Soil in *Eucalyptus* plantation	YunNan, China	S.F. Chen and J.Q. Li	MT412928	MT413135	MT335397	MT335637	[5,11]
B124	*C. singaporensis*	CBS 146715^{T}	MUCL 048320	leaf litter submerged in a small stream	Mac Ritchie Reservoir, Singapore	C. Decock	MW890086	MW890124	MW890042	MW890055	[34]
		CBS 146713	MUCL 048171	leaf litter submerged in a small stream	Mac Ritchie Reservoir, Singapore	C. Decock	MW890084	MW890123	MW890040	MW890053	[34]
Species in *Calonectria brassicae* species complex											
B12	*C. brachiatica*	CMW 25298^{T}	CBS 123700	*Pinus maximinoi*	Buga, Colombia	M.J. Wingfield	MT412726	MT412948	MT335195	MT335435	[5,7]
		CMW 25302	–	*Pinus ecunumanii*	Buga, Colombia	M.J. Wingfield	MT412727	MT412949	MT335196	MT335436	[5,7]
B16	*C. brassicae*	CBS 111869^{T}	CPC 2409	*Argyreia splendens*	Indonesia	F. Bugnicourt	MT412733	MT412955	MT335202	MT335442	[1,5,29,30]
B25	*C. clavata*	CMW 23690^{T}	ATCC 66389; CBS 114557; CPC 2536; P078-1543	*Callistemon viminalis*	Lake Placid, Florida, USA	C.P. Seymour and E.L. Barnard	MT412754	MT412975	MT335223	MT335463	[1,5,29,55]
		CMW 30994	CBS 114666; CPC 2537; P078-1261	Root debris in peat	Lee County, Florida, USA	D. Ferrin	MT412755	MT412976	MT335224	MT335464	[1,5,29,55]
B34	*C. duoramosa*	CBS 134656^{T}	–	Soil in tropical rainforest	Monte Dourado, Pará, Brazil	R.F. Alfenas	KM395853	KM395940	KM396027	KM396110	[10]
		LPF453	–	Soil in *Eucalyptus* plantation	Monte Dourado, Pará, Brazil	R.F. Alfenas	KM395854	KM395941	KM396028	KM396111	[10]
B35	*C. ecuadorae*	CMW 23677^{T}	CBS 111406; CPC 1635	Soil	Ecuador	M.J. Wingfield	MT412773	MT412991	MT335242	MT335482	[5,29,56]
		CBS 111706	CMW 51821; CPC 1636	Soil	Ecuador	M.J. Wingfield	MT412771	MT412989	MT335240	MT335480	[5,31]
B43	*C. gracilis*	CBS 111807^{T}	AR2677; CMW 51189; STE-U 2634	*Manilkara zapota*	Pará, Brazil	F. Carneiro de Albuquerque	GQ267323	AF232858	GQ267407	DQ190646	[1,30,31,56,57]
		CBS 111284	CMW 51175; CPC 1483	Soil	Imbrapa, Brazil	P.W. Crous	GQ267324	DQ190567	GQ267408	DQ190647	[1,30,31,56,57]
B77	*C. octoramosa*	CBS 111423^{T}	CMW 51819; CPC 1650	Soil	Ecuador	M.J. Wingfield	MT412834	MT413048	MT335303	MT335543	[5,31]
B78	*C. orientalis*	CMW 20291^{T}	CBS 125260	Soil	Langam, Indonesia	M.J. Wingfield	MT412835	MT413049	MT335304	MT335544	[5,29]
		CMW 20273	CBS 125259	Soil	Teso East, Indonesia	M.J. Wingfield	MT412836	MT413050	MT335305	MT335545	[5,29]

Table 4. *Cont.*

Species Code [1]	Species	Isolates No. [2,3]	Other Collection Number [3]	Hosts	Area of Occurrence	Collector	GenBank Accession No. [4]				References
							tef1	*tub2*	*cmdA*	*his3*	
B82	*C. paraensis*	CBS 134669^{T}	LPF430	Soil in *Eucalyptus* plantation	Monte Dourado, Pará, Brazil	R.F. Alfenas	KM395837	KM395924	KM396011	KM396094	[10]
		LPF429	–	Soil in tropical rainforest	Monte Dourado, Pará, Brazil	R.F. Alfenas	KM395841	KM395928	KM396015	KM396098	[10]
B83	*C. parvispora*	CBS 111465^{T}	CPC 1902	Soil	Brazil	A.C. Alfenas	MT412845	MT413057	MT335314	MT335554	[5,31]
		CMW 30981	CBS 111478; CPC 1921	Soil	Brazil	A.C. Alfenas	MT412844	MT413056	MT335313	MT335553	[5,29,30]
B84	*C. pauciphialidica*	CMW 30980^{T}	CBS 111394; CPC 1628	Soil	Ecuador	M.J. Wingfield	MT412846	MT413058	MT335315	MT335555	[5,29,56]
B88	*C. pini*	CMW 31209^{T}	CBS 123698	*Pinus patula*	Buga, Valle del Cauca, Colombia	C.A. Rodas	MT412870	MT413082	MT335339	MT335579	[5,29]
		CBS 125523	CMW 31210	*Pinus patula*	Buga, Valle del Cauca, Colombia	C.A. Rodas	GQ267345	GQ267225	GQ267437	GQ267274	[29]
B91	*C. pseudobrassicae*	CBS 134662^{T}	LPF280	Soil in *Eucalyptus* plantation	Santana, Pará, Brazil	A.C. Alfenas	KM395849	KM395936	KM396023	KM396106	[10]
		CBS 134661	LPF260	Soil in *Eucalyptus* plantation	Santana, Pará, Brazil	A.C. Alfenas	KM395848	KM395935	KM396022	KM396105	[10]
B92	*C. pseudoecuadoriae*	CBS 111402^{T}	CMW 51179; CPC 1639	Soil	Ecuador	M.J. Wingfield	KX784723	KX784652	KX784589	N/A	[30,31]
B105	*C. quinqueramosa*	CBS 134654^{T}	LPF065	Soil in *Eucalyptus* plantation	Monte Dourado, Pará, Brazil	R.F. Alfenas	KM395855	KM395942	KM396029	KM396112	[10]
		CBS 134655	LPF281	Soil in *Eucalyptus* plantation	Santana, Pará, Brazil	A.C. Alfenas	KM395856	KM395943	KM396030	KM396113	[10]
B107	*C. robigophila*	CBS 134652^{T}	LPF192	*Eucalyptus* sp. leaf	Açailandia, Maranhao, Brazil	R.F. Alfenas	KM395850	KM395937	KM396024	KM396107	[10]
		CBS 134653	LPF193	*Eucalyptus* sp. leaf	Açailandia, Maranhao, Brazil	R.F. Alfenas	KM395851	KM395938	KM396025	KM396108	[10]
Outgroups	*Curvicladiella cignea*	CBS 109167^{T}	CPC 1595; MUCL 40269	Decaying leaf	French Guiana	C. Decock	KM231867	KM232002	KM231287	KM231461	[56,58,59]
		CBS 109168	CPC 1594; MUCL 40268	Decaying seed	French Guiana	C. Decock	KM231868	KM232003	KM231286	KM231460	[56,58,59]

[1] Codes B1 to B120 of the 120 accepted *Calonectria* species resulting from Liu and co-authors [5], "B124" indicated *C. singaporensis* described in Crous and co-authors [34]. [2] T: ex-type isolates of the species. [3] AR: Amy Y. Rossman working collection; ATCC: American Type Culture Collection, Virginia, USA; CBS: Westerdijk Fungal Biodiversity Institute, Utrecht, The Netherlands; CERC: China Eucalypt Research Centre, ZhanJiang, GuangDong Province, China; CMW: Culture collection of the Forestry and Agricultural Biotechnology Institute FABI, University of Pretoria, Pretoria, South Africa; CPC: Pedro Crous working collection housed at Westerdijk Fungal Biodiversity Institute; IMI: International Mycological Institute, MUCL: Mycotheque, Laboratoire de Mycologie Systematique st Appliqee, I'Universite, Louvian-la-Neuve, Belgium; STE-U: Department of Plant Pathology, University of Stellenbosch, South Africa; "–" represents no other collection number. [4] *tef1*: translation elongation factor 1-alpha; *tub2*: β-tubulin; *cmdA*: calmodulin; *his3*: histone H3; for GenBank Accession No. in bold, the sequences were submitted in this study. [5] N/A represents data that is not available.

Table 5. Statistical values of datasets for maximum parsimony and maximum likelihood analyses in this study.

Dataset	No. of Taxa	No. of bp [1]	Maximum Parsimony						
			PIC [2]	No. of Trees	Tree Length	CI [3]	RI [4]	RC [5]	HI [6]
tef1	157	522	241	110	588	0.697	0.973	0.678	0.303
tub2	156	597	256	1000	694	0.635	0.967	0.614	0.365
cmdA	156	697	277	1000	617	0.676	0.969	0.655	0.324
his3	153	478	166	973	602	0.570	0.960	0.547	0.430
tef1/tub2/cmdA/his3	157	2303	944	150	2671	0.609	0.962	0.586	0.391

Dataset	Maximum likelihood							
	Subst. mode [7]	NST [8]	Rate matrix					Rates
tef1	TIM2+G	6	1.8670	3.4436	1.8670	1.0000	5.0336	Gamma
tub2	TPM3uf+I+G	6	1.4137	4.7965	1.0000	1.4137	4.7965	Gamma
cmdA	TrN+G	6	1.0000	3.5934	1.0000	1.0000	7.2024	Gamma
his3	GTR+I+G	6	2.5191	8.8466	5.6820	2.1055	15.5239	Gamma
tef1/tub2/cmdA/his3	GTR+I+G	6	1.5966	4.2868	1.3927	0.9904	5.5003	Gamma

[1] bp = base pairs. [2] PIC = number of parsimony informative characters. [3] CI = consistency index. [4] RI = retention index. [5] RC = rescaled consistency index. [6] HI = homoplasy index. [7] Subst. model = best fit substitution model. [8] NST = number of substitution rate categories.

The phylogenetic analyses showed that the 85 *Calonectria* isolates were clustered in six groups (Group A, Group B, Group C, Group D, Group E, and Group F) based on *tef1*, *tub2*, *cmdA*, *his3,* and combined *tef1/tub2/cmdA/his3* analyses (Figure 2, Supplementary Figures S2–S5). The analyses showed that isolates in Groups A, B, C, D, and E belonged to the *C. kyotensis* species complex. Isolates in Groups A, B, C, and E were clustered with or were closest to *C. hongkongensis*, *C. kyotensis*, *C. chinensis,* and *C. ilicicola*, respectively, based on the *tef1*, *tub2*, *cmdA*, *his3,* and combined *tef1/tub2/cmdA/his3* trees (Figure 2, Supplementary Figures S2–S5). Therefore, isolates in Groups A, B, C, and E were identified as *C. hongkongensis*, *C. kyotensis*, *C. chinensis,* and *C. ilicicola*, respectively. Isolates in Group D were clustered in two sub-groups, sub-group D1 and sub-group D2, in the *tub2* tree. Isolates in sub-group D1 were clustered with or were closest to *C. aconidialis*; isolates in sub-group D2 were clustered with *C. asiatica* (Supplementary Figure S3); isolates in Group D were clustered with or were closest to *C. aconidialis* based on the *tef1*, *cmdA*, *his3,* and combined *tef1/tub2/cmdA/his3* trees (Figure 2, Supplementary Figures S2, S4, and S5). Isolates in Group D were identified as *C. aconidialis*. Isolates in Group F belonged to the *C. brassicae* species complex. These isolates were consistently only clustered with *C. orientalis* based on the *tef1*, *tub2*, *his3,* and combined *tef1/tub2/cmdA/his3* trees and were clustered with both *C. orientalis* and *C. brassicae* in the *cmdA* tree (Figure 2, Supplementary Figures S2–S5). Isolates in Group F were identified as *C. orientalis*.

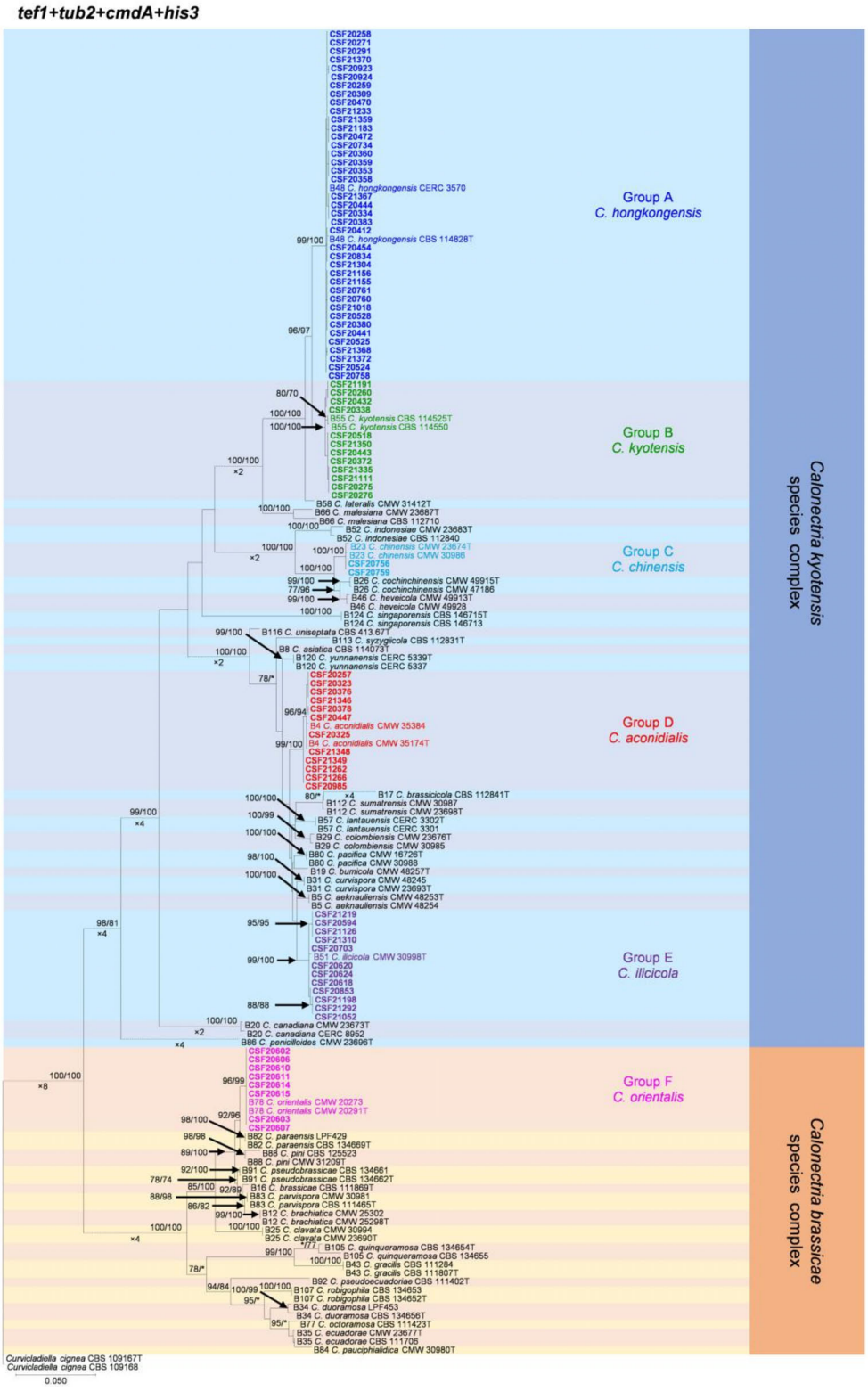

Figure 2. Phylogenetic tree of *Calonectria* species based on maximum likelihood (ML) analyses of the dataset of combined *tef1*, *tub2*, *cmdA*, and *his3* gene sequences in this study. Bootstrap support values $\geq$ 70% are presented above the branches as follows: ML/MP. Bootstrap values < 70% or absent are marked with "*". Isolates highlighted in six different colors, and bold were obtained in this study. Ex-type isolates are marked with "T". The "B" species codes are consistent with the recently published results in Liu and co-authors [5]. *Curvicladiella cignea* (CBS 109167 and CBS 109168) was used as the outgroup taxon.

Based on the results of phylogenetic analyses and induction of asexual structures, 17 isolates representing six *Calonectria* species were selected for macroconidia and vesicle morphological comparisons (Tables 3 and 6). These representative isolates could be classified into two groups based on the shape of the vesicles. Isolates of *C. aconidialis*, *C. chinensis*, *C. hongkongensis*, *C. ilicicola*, and *C. kyotensis* produce sphaeropedunculate vesicles, while the vesicles of *C. orientalis* are typically clavate. With the exception of *C. ilicicola* isolates, which produce 1(–3) septate macroconidia, isolates of the other five species all produced one septate macroconidium (Table 6). The shape of the vesicle and the number of macroconidia septations for each of the six *Calonectria* species found in this study were consistent with the described strains of relevant species in previous studies [1,9,29,49] (Table 6).

The morphological comparisons showed that significant variation existed in the size of macroconidia or width of vesicles among some isolates of each species of *C. aconidialis*, *C. hongkongensis*, and *C. kyotensis* identified in this study. For example, the macroconidia of *C. aconidialis* isolate CSF20985 were much longer than those of the other two tested *C. aconidialis* isolates CSF20323 and CSF20376. In *C. hongkongensis*, the macroconidia of isolate CSF20383 were longer than those of the other four isolates; the vesicles of isolate CSF20924 were wider than those of other isolates. In *C. kyotensis*, the macroconidia of isolate CSF20276 were much longer than those of isolate CSF21191 (Table 6).

The measurement results further showed that macroconidia size and vesicle width of isolates of some species obtained in this study were not always similar to the originally described strains of the same *Calonectria* species. For example, the macroconidia lengths of isolates of *C. chinensis* and *C. orientalis* obtained in this study were much shorter than the originally described strains of the relevant species [29,49] (Table 6).

3.4. Calonectria Species Diversity in Different Soil Layers

Based on the sequence comparisons of *tef1*, *tub2*, *cmdA,* and *his3* sequences, the 1037 *Calonectria* isolates were identified as *C. hongkongensis* (665 isolates; 64.1%), *C. aconidialis* (250 isolates; 24.1%), *C. kyotensis* (58 isolates; 5.6%), *C. ilicicola* (47 isolates; 4.5%), *C. chinensis* (2 isolates; 0.2%), and *C. orientalis* (15 isolates; 1.5%) (Table 1). *Calonectria hongkongensis* was dominant, followed by *C. aconidialis.* Each of the two dominant species was isolated from more than or close to 50% of all of the sampling points, and the two species accounted for 88.2% of all of the *Calonectria* isolates obtained in this study (Table 1, Supplementary Table S1, Figure 3). Both *C. chinensis* and *C. orientalis* were only isolated from one sampling point; *C. chinensis* was only isolated from the 0–20 cm soil layer, and only two isolates were obtained; *C. orientalis* was isolated from the soil layers of 40–60 and 60–80 cm, and 11 and 4 isolates in the two soil layers were obtained, respectively (Table 1, Supplementary Table S1, Figure 3).

With the exception of *C. orientalis* in the *C. brassicae* species complex, the diversity of species in the *C. kyotensis* species complex decreased with increasing soil depth. Five, four, four, four, and two species were identified in the soil layers of 0–20, 20–40, 40–60, 60–80, and 80–100 cm, respectively (Table 1, Supplementary Table S1).

For each of the five species in the *C. kyotensis* species complex, the number of sampling points containing *Calonectria* decreased with increasing depth of the soil, with the exception of *C. hongkongensis* in soil layers of 60–80 cm (2 sampling points) and 80–100 cm (4 sampling points) (Supplementary Table S1, Figure 4A); the number of isolates obtained decreased with increasing soil depth, with the exception of *C. hongkongensis* in the 60–80 cm soil layer (8 isolates) and 80–100 cm (20 isolates) as well as *C. ilicicola* in the 0–20 cm (16 isolates) and 20–40 cm (19 isolates) soil layers (Table 1, Figure 4B). Most isolates were obtained from the soil layers 0–20 and 20–40 cm, accounting for 86.6%, 85.6%, 81%, 74.5%, and 100% of all of the obtained isolates within each species of *C. hongkongensis*, *C. aconidialis*, *C. kyotensis*, *C. ilicicola*, and *C. chinensis*, respectively (Figure 5).

Table 6. Morphological comparisons of *Calonectria* isolates and species obtained in the current study.

Species	Isolate/Species	Macroconidia (L × W) [1,2,3]	Macroconidia Average (L × W) [1,2]	Macroconidia Septation	Vesicle Width [1,2,3]	Vesicle Width Average [1]
C. aconidialis	Isolate CSF20323 (this study)	(35–)39.5–45.5(–48) × (4–)4–4.5(–5)	42.5 × 4.5	1	(3.5–)4.5–6(–6.5)	5
	Isolate CSF20376 (this study)	(34.5–)38.5–45(–47.5) × (4–)4.5–5(–5.5)	41.5 × 4.5	1	(4–)4.5–11(–13)	8
	Isolate CSF20985 (this study)	(41–)46.5–51.5(–54) × (4–)4.5–5(–5.5)	49 × 5	1	(4.5–)5–6.5(–9.5)	6
	Species (this study)	(34.5–)40–48.5(–54) × (4–)4.5–5(–5.5)	44.5 × 4.5	1	(3.5–)4–8.5(–13)	6
	Species [9]	N/A [4]	N/A	N/A	N/A	N/A
C. chinensis	Isolate CSF20756 (this study)	(35.5–)40–45(–49) × (3.5–)4–4.5(–4.5)	42.5 × 4	1	(3.5–)3.5–9(–11.5)	6.5
	Isolate CSF20759 (this study)	(34.5–)37.5–43(–46) × (3.5–)4–4.5(–5)	40.5 × 4	1	(3–)5–10.5(–12)	8
	Species (this study)	(34.5–)38.5–44(–49) × (3.5–)4–4.5(–5)	41.5 × 4	1	(3–)4–10(–12)	7
	Species [49]	(38–)41–48(–56) × (3.5–)4(–4.5)	45 × 4	1	6–9	N/A
C. hongkongensis	Isolate CSF20353 (this study)	(33.5–)36–42(–48) × (3.5–)4–4.5(–4.5)	39 × 4	1	(4–)5–8.5(–10.5)	6.5
	Isolate CSF20360 (this study)	(34–)35.5–40(–43.5) × (3.5–)4–4.5(–5)	37.5 × 4	1	(4.5–)5.5–9(–11)	7.5
	Isolate CSF20383 (this study)	(37.5–)42.5–48(–50.5) × (4–)4–4.5(–5)	45.5 × 4.5	1	(4–)6–10.5(–11)	8.5
	Isolate CSF20761 (this study)	(32–)34.5–39.5(–43) × (3.5–)3.5–4(–4.5)	37 × 4	1	(4–)5.5–8(–9.5)	6.5
	Isolate CSF20924 (this study)	(35–)37.5–44(–45.5) × (3.5–)4–4.5(–5)	40.5 × 4	1	(6–)9–13(–14.5)	11
	Species (this study)	(32–)36–44(–50.5) × (3.5–)4–4.5(–5)	40 × 4	1	(4–)5.5–10.5(–14.5)	8
	Species [49]	(38–)45–48(–53) × 4(–4.5)	46.5 × 4	1	8–14	N/A
C. ilicicola	Isolate CSF20618 (this study)	(52.5–)56.5–66(–71.5) × (6–)6.5–7.5(–8)	61.5 × 7	1(–3)	(8–)9–11(–11.5)	10
	Isolate CSF21052 (this study)	(31–)50.5–69(–78) × (3–)5–7(–7.5)	59.5 × 6	1(–3)	(3.5–)5–8(–11)	6.5
	Isolate CSF21310 (this study)	(50–)55–62.5(–67) × (5.5–)6–7(–7.5)	58.5 × 6.5	(1–)3	(4–)6.5–10(–11.5)	8.5
	Species (this study)	(31–)53.5–66(–78) × (3–)6–7(–8)	60 × 6.5	1(–3)	(3.5–)6–10(–11.5)	8
	Species [1]	(45–)70–82(–90) × (4–)5–6.5(–7)	62 × 6	(1–)3	(6–)7–10(–12)	N/A
C. kyotensis	Isolate CSF20276 (this study)	(33.5–)36.5–44(–51) × (3.5–)4–4.5(–4.5)	40.5 × 4	1	(6.5–)8.5–11.5(–12.5)	10
	Isolate CSF21191(this study)	(29.5–)32.5–38.5(–42.5) × (3.5–)4–4.5(–5)	35.5 × 4	1	(5–)7.5–10.5(–11.5)	9
	Isolate CSF21335 (this study)	(32–)35.5–40(–43) × (3.5–)4–4.5(–5)	38 × 4	1	(5–)8–10(–11)	9
	Species (this study)	(29.5–)34.5–41.5(–51) × (3.5–)4–4.5(–5)	38 × 4	1	(5–)7.5–10.5(–12.5)	9
	Species [1]	(35–)45–50(–55) × 3–4(–5)	40 × 3.5	1	6–12	N/A
C. orientalis	Isolate CSF20614 (this study)	(30.5–)35–40(–43.5) × (4.5–)5–5.5(–5.5)	37.5 × 5	1	(3–)4–6.5(–7.5)	5
	Species [29]	(43–)46–50(–53) × 4(–5)	48 × 4	1	5–10	N/A

[1] All of the measurements are in µm. Fifty macroconidia and vesicles were measured for each isolate, with the exception of the vesicle of isolate CSF20618, for which 25 vesicles were measured because of the limited number of vesicles produced. [2] L × W = length × width. [3] Measurements are presented in the format ((minimum–) (average—standard deviation)—(average + standard deviation) (–maximum)). [4] N/A represents data that are not available.

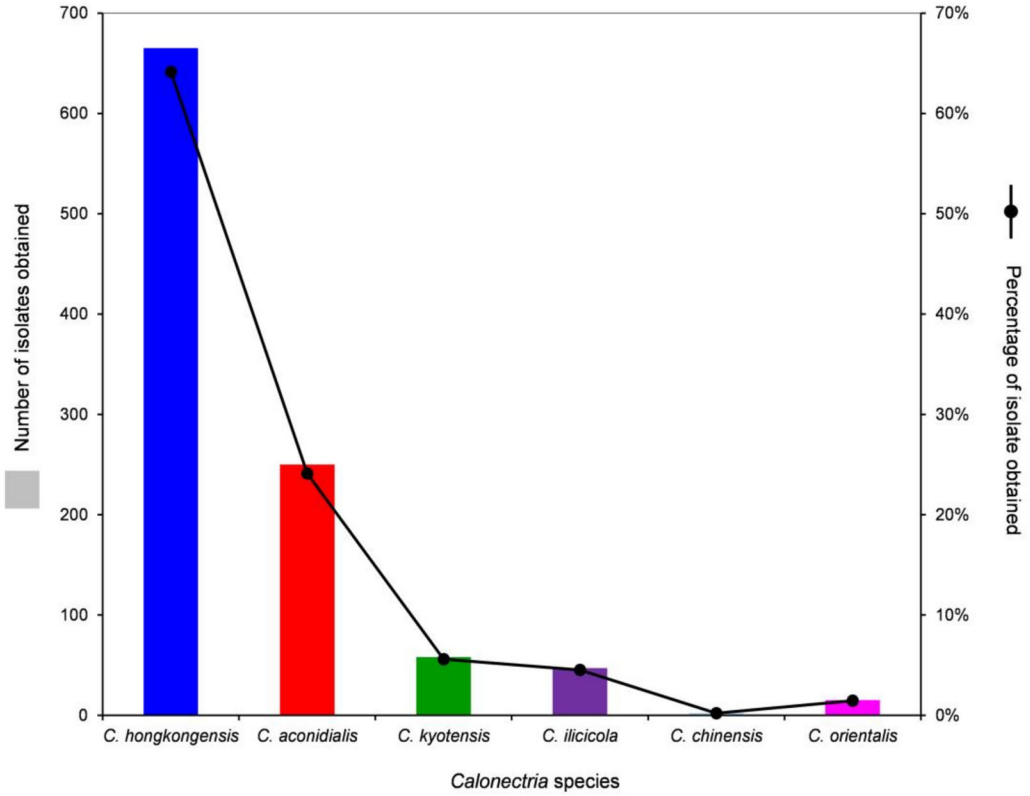

Figure 3. Numbers and percentages of isolates obtained for each *Calonectria* species from all soil samples collected.

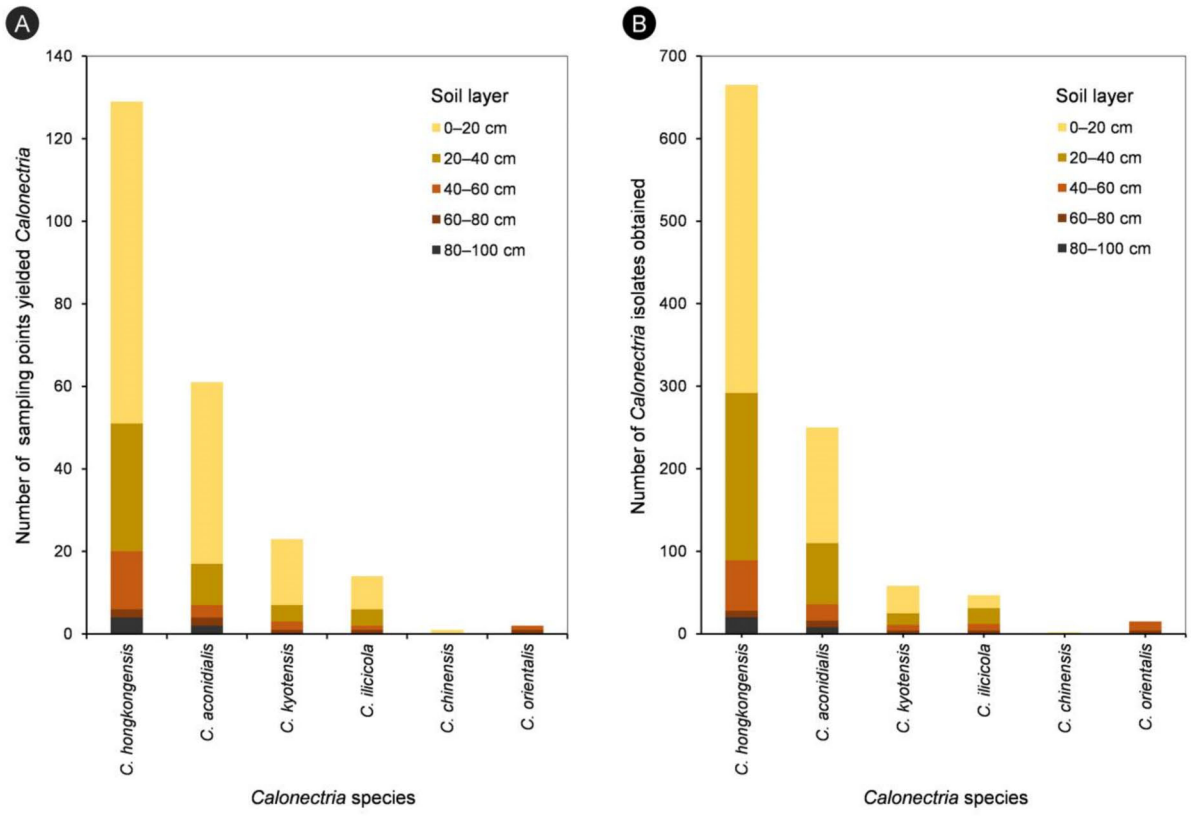

Figure 4. Number of sampling points yielded different *Calonectria* species in each of the five soil layers (**A**), and numbers of isolates obtained for different *Calonectria* species in each of the five soil layers (**B**).

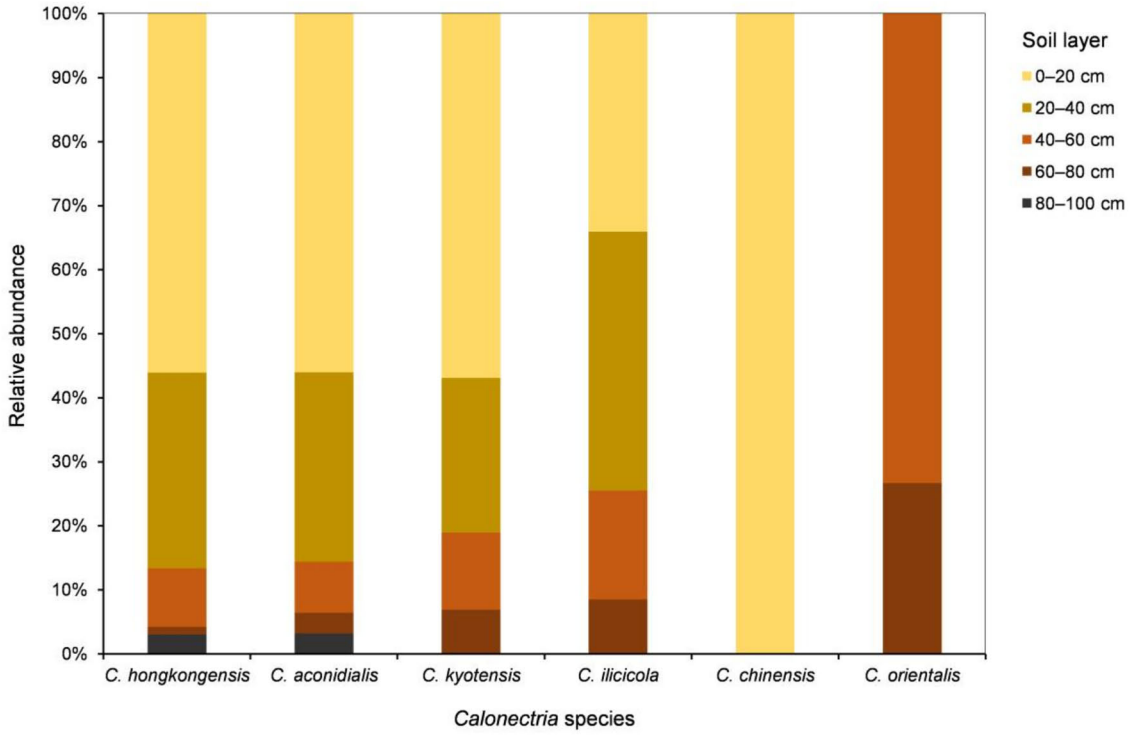

Figure 5. Relative abundances of each *Calonectria* species in each of the five soil layers. Relative abundance was based on the proportional frequencies of isolates of each *Calonectria* species in each soil layer.

3.5. Genotyping of Isolates within Each Calonectria Species

For the 1037 *Calonectria* isolates obtained and identified in this study, the genotype results based on *tef1* and *tub2* sequences indicated that 11, 3, 3, 3, 1, and 1 genotype(s) existed in *C. hongkongensis*, *C. aconidialis*, *C. kyotensis*, *C. ilicicola*, *C. chinensis*, and *C. orientalis*, respectively (Table 2). The isolates presenting the dominant genotype (genotype AA) accounted for 84.4%, 62.4%, 56.9%, 55.3%, 100%, and 100% of all of the isolates obtained from *C. hongkongensis*, *C. aconidialis*, *C. kyotensis*, *C. ilicicola*, *C. chinensis*, and *C. orientalis*, respectively (Table 2).

3.6. Genotype Diversity of Calonectria Species in Different Soil Layers

The *tef1-tub2* genotypes of each *Calonectria* species in each soil layer are listed in Table 7 and are shown in Figure 6. For each species in the *C. kyotensis* species complex, the results showed that the number of genotypes decreased with increasing soil depth, with the exception of *C. hongkongensis* and *C. aconidialis* in the 60–80 cm (one genotype) and 80–100 cm (two genotypes) soil layers (Table 7, Figure 6A,B); the 0–20 cm soil layer contained all of the genotypes of each species in the *C. kyotensis* complex (Table 7, Figure 6A–E). For the genotype with the most isolates of each species in the *C. kyotensis* complex, the majority of isolates were obtained from 0–20 cm soil layer, with the exception of *C. ilicicolla* (Table 7, Figure 6A–E). Only one genotype of *C. orientalis* was present in the 40–60 and 60–80 cm soil layers (Table 7, Figure 6F).

Table 7. Isolate numbers of each genotype in each soil layer for each *Calonectria* species.

Calonectria Species	Soil Layer	Genotype Determined by *tef1* Gene Sequences	Number of Isolates Based on *tef1* Genotype	Genotype Determined by *tub2* Gene Sequence	Number of Isolates Based on *tub2* Genotype	Genotype Determined by *tef1* and *tub2* Gene Sequences	Number of Isolates Based on *tef1* and *tub2* Genotype	Number of Isolates in Each Soil Layer for Each Species
C. hongkongensis	0–20 cm	A	346	A	337	AA	310	373
		B	15	B	1	AB	1	
		C	1	C	4	AC	4	
		D	11	D	5	AD	5	
				E	2	AE	2	
				F	9	AF	9	
				G	11	AG	11	
				H	4	AH	4	
						BA	15	
						CA	1	
						DA	11	
	20–40 cm	A	186	A	197	AA	180	203
		C	4	D	2	AD	2	
		D	13	F	4	AF	4	
						CA	4	
						DA	13	
	40–60 cm	A	58	A	50	AA	47	61
		D	3	F	7	AF	7	
				G	4	AG	4	
						DA	3	
	60–80 cm	A	8	A	8	AA	8	8
	80–100 cm	A	16	A	20	AA	16	20
		D	4			DA	4	
C. aconidialis	0–20 cm	A	140	A	98	AA	98	140
				B	1	AB	1	
				C	41	AC	41	
	20–40 cm	A	74	A	40	AA	40	74
				B	8	AB	8	
				C	26	AC	26	
	40–60 cm	A	20	A	6	AA	6	20
				C	14	AC	14	
	60–80 cm	A	8	A	8	AA	8	8
	80–100 cm	A	8	A	4	AA	4	8
				C	4	AC	4	
C. kyotensis	0–20 cm	A	31	A	27	AA	25	33
		B	2	B	6	AB	6	
						BA	2	
	20–40 cm	A	10	A	12	AA	8	14
		B	4	B	2	AB	2	
						BA	4	
	40–60 cm	A	7	B	7	AB	7	7
	60–80 cm	A	4	B	4	AB	4	4
	80–100 cm	–	–	–	–	–	–	0
C. ilicicola	0–20 cm	A	9	A	4	AA	4	16
		B	7	B	12	AB	5	
						BB	7	
	20–40 cm	A	18	A	14	AA	14	19
		B	1	B	5	AB	4	
						BB	1	
	40–60 cm	A	8	A	8	AA	8	8
	60–80 cm	B	4	B	4	BB	4	4
	80–100 cm	–	–	–	–	–	–	0
C. chinensis	0–20 cm	A	2	A	2	AA	2	2
	20–40 cm	–	–	–	–	–	–	0
	40–60 cm	–	–	–	–	–	–	0
	60–80 cm	–	–	–	–	–	–	0
	80–100 cm	–	–	–	–	–	–	0
C. orientalis	0–20 cm	–	–	–	–	–	–	0
	20–40 cm	–	–	–	–	–	–	0
	40–60 cm	A	11	A	11	AA	11	11
	60–80 cm	A	4	A	4	AA	4	4
	80–100 cm	–	–	–	–	–	–	0

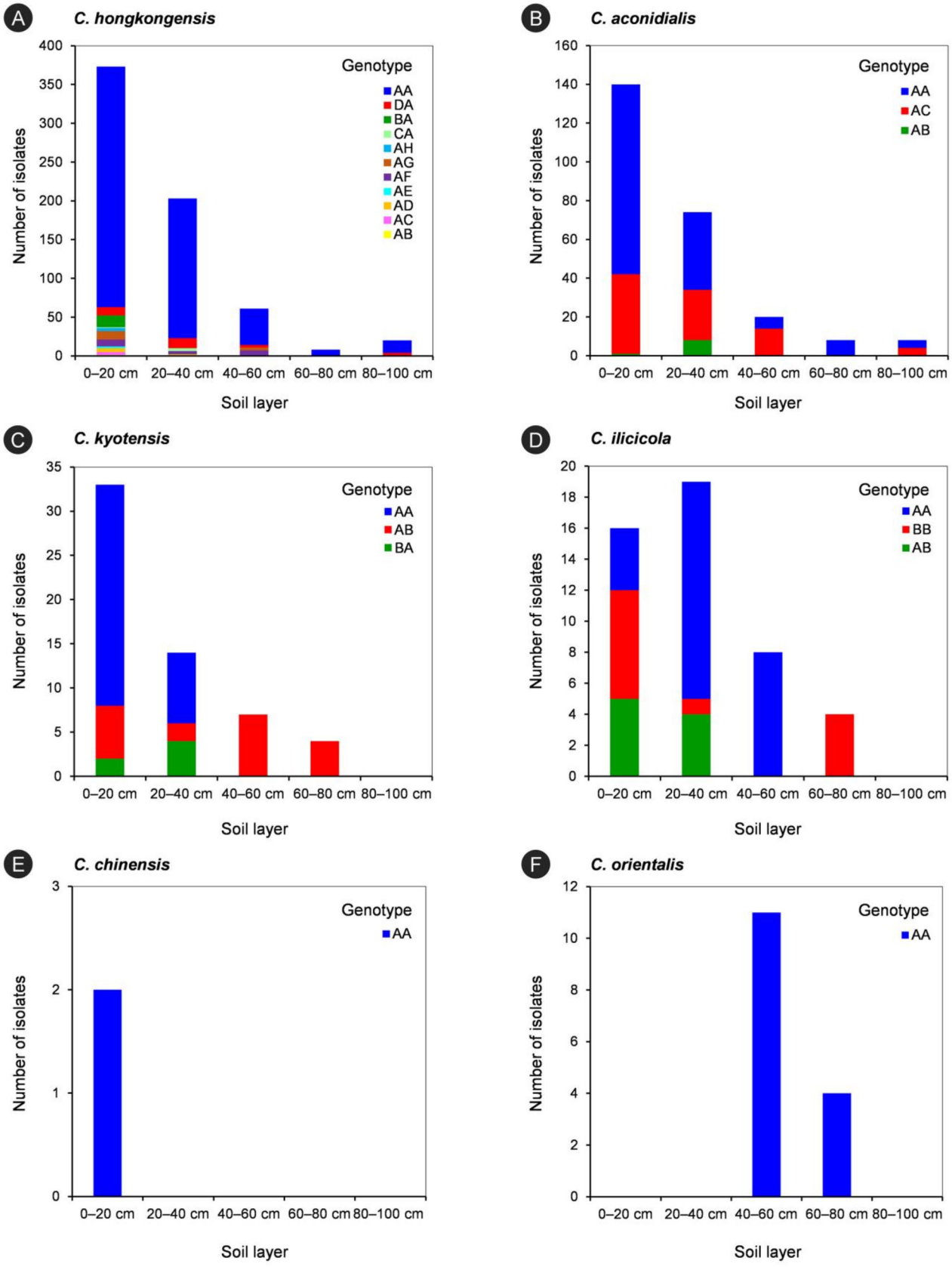

Figure 6. The isolate numbers of each genotype of each *Calonectria* species in five soils layers. The genotypes were determined by DNA sequences of *tef1* and *tub2* gene regions. (**A**): *C. hongkongensis*; (**B**): *C. aconidialis*; (**C**): *C. kyotensis*; (**D**) *C. ilicicola*; (**E**): *C. chinensis*; (**F**): *C. orientalis*.

The minimum spanning network (MSN) analysis was conducted for *C. hongkongensis*, which was considered as the dominant species identified in this study. The analysis revealed that most isolates of *C. hongkongensis* were genotype AA (561 isolates), followed by genotypes DA (31 isolates) and AF (20 isolates); genotype AA was present in the isolates from all five soil layers; genotypes AB, AC, AE, AH, and BA were present only in the isolates from the 0–20 cm soil layer, and the other genotypes were present in isolates from two to four soil layers. Isolates from the 0–20 cm soil layer contained all of the genotypes (Figure 7).

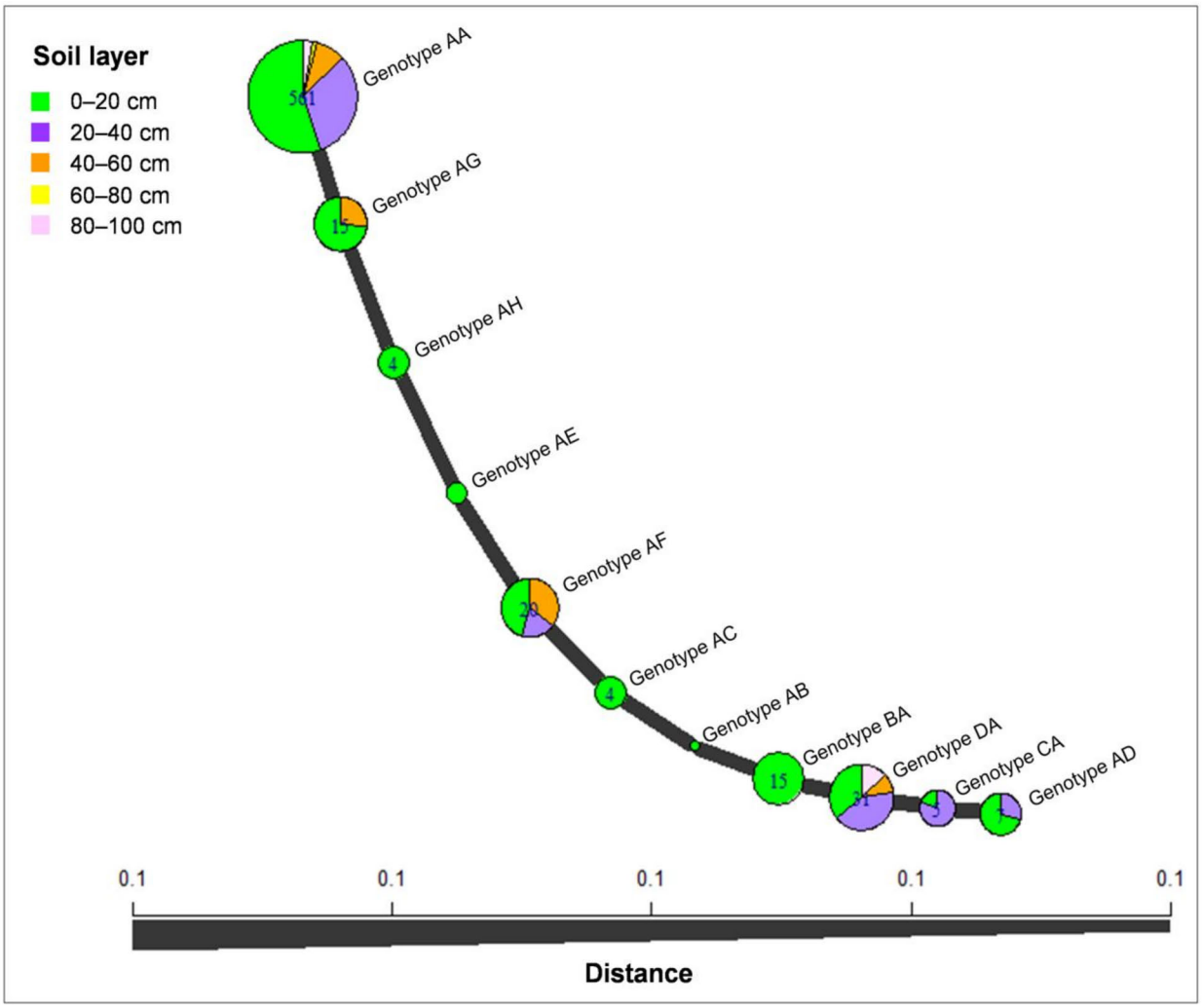

Figure 7. Minimum spanning network constructed using Bruvo's distances showing that the *C. hongkongensis* isolates were grouped into 11 genotypes based on *tef1* and *tub2* sequences. The size of a node is proportional to the number of represented *tef1*-*tub2* genotypes.

4. Discussion

In this study, more than 1000 *Calonectria* isolates were obtained from five soil layers at 100 sampling points in one *Eucalyptus* plantation. All of the isolates were identified based on DNA sequence comparisons of multiple gene regions. Six *Calonectria* species were identified, namely, *C. aconidialis*, *C. chinensis*, *C. hongkongensis*, *C. ilicicola*, and *C. kyotensis* in the *C. kyotensis* species complex, and *C. orientalis* in the *C. brassicae* species complex. *Calonectria hongkongensis* (64.1% of all of the isolates) was the dominant species, followed by *C. aconidialis* (24.1% of all of the isolates). To our knowledge, this is the first report of *C. orientalis* in China. The species diversity and distribution characteristics of the six species

in different soil layers were clarified. The results showed that the number of sampling points from which *Calonectria* was obtained, and the number of *Calonectria* isolates obtained decreased with increasing depth of the soil. The majority of isolates (84.3% of all the isolates) were obtained from soil layers of 0–20 and 20–40 cm. The diversity of the five species in the *C. kyotensis* species complex decreased with increasing soil depth. For each species in the *C. kyotensis* species complex, in most cases, the number of genotypes decreased with increasing soil depth, and the 0–20 cm soil layer contained all of the genotypes of each species.

Five species, namely, *C. aconidialis*, *C. chinensis*, *C. hongkongensis*, *C. ilicicola*, and *C. kyotensis*, in the *C. kyotensis* species complex were isolated from the soil of the *Eucalyptus* plantation in this study. These five species have been frequently isolated from soils in several other regions in southern China, especially from soils in *Eucalyptus* plantations [9,11,14,49]. *Calonectria ilicicola* is considered as a soil-borne fungal pathogen that has been isolated from a number of diseased plant species in China [21,61]. This study presents the first record of *C. ilicicola* isolated from soil in a *Eucalyptus* plantation. Results of this and previous studies suggest that all five of the species in the *C. kyotensis* species complex are potentially widely distributed in *Eucalyptus* plantation soils in other regions of southern China [9,11,14].

This study is the first report of *C. orientalis* in China, and this species is the first *Calonectria* species in the *C. brassicae* species complex found in China. *Calonectria orientalis* has been isolated from soil in Indonesia [29]. Some other species in the *C. brassicae* species complex have also been frequently isolated from soils. With the exception of *C. orientalis*, the other species in the *C. brassicae* species complex isolated from soils were all from Ecuador and Brazil in South America [5,10,29–31,56]. Most of the *Calonectria* species in the *C. brassicae* species complex have only been isolated from South America but not from Asia [5] and *C. orientalis*, in this study, was only isolated from one of the 100 sampling points. These results suggest that *C. orientalis* is not widely distributed in China.

For the five species in the *C. kyotensis* species complex, the results of this study indicate that the diversity of the five species decreased with increasing soil depth, and the number of sampling points containing *Calonectria* and the number of *Calonectria* isolates obtained also decreased with soil depth. Most isolates were obtained from the 0–20 and 20–40 cm soil layers. In most cases, the number of genotypes decreased with increasing soil depth for each species, and the 0–20 cm soil layer contained all of the genotypes of each species. These results suggest that 0–20 cm is the best soil depth for *Calonectria* isolation and for examining the species and genotype diversity of *Calonectria* in soils in *Eucalyptus* plantations in southern China. In several previous studies specialized in the research on *Calonectria* species diversity, soil samples were also exclusively collected from the surface layer, all from the 0–20 cm layer [9–11,13,14,36]. These studies have characterized the diversity of *Calonectria* species well. Results of a number of other studies indicated that microbial diversity and richness are typically affected by the soil depth [62–67], and shallower layers usually have a higher level of microbial diversity [62,63,66–68]. This pattern is consistent with the results of the present study. A possible reason for the vertical distribution of soil microbes is the harsher environment in deeper soil layers, where the soil density is higher, oxygen concentrations are lower, and carbon and nutrients are less available [69]. For *Calonectria*, which includes some important pathogens of various agricultural, horticultural, and forestry crops worldwide, as well as for other genera of fungi in forests, no systematic research has been conducted to examine the species diversity and distribution characteristics in different soil layers. This study showed that the deeper soil layers had comparatively fewer but still contained many *Calonectria*. It remains unknown whether the *Calonectria* were originally distributed in deeper soil layers or whether the fungi in deeper soil layers migrated from surface layers, perhaps through the infiltration of rainwater. Studies on the population diversity differences among different soil layers should be conducted to address this question. Furthermore, the *Calonectria* distributed in deeper soil layers increase the challenge of controlling the diseases caused by these fungi.

This study examined the species diversity and distribution characteristics of *Calonectria* in five soil layers in a *Eucalyptus* plantation in southern China. Six species were isolated from soils in a relatively small *Eucalyptus* plantation, indicating that the diversity of *Calonectria* species in these soils in southern China is relatively high. This study also revealed that the species diversity and number of genotypes of each *Calonectria* species decreased with increasing soil depth, a pattern that helps us to understand the distribution characteristics of *Calonectria* species in different layers of soil. For some *Calonectria* species, there were relatively large numbers of isolates obtained from different soil layers, especially for *C. hongkongensis* and *C. aconidialis* in the 0–20, 20–40, and 40–60 cm soil layers. The genetic structures and population biology of these species in the different soil layers are unknown, but additional studies may increase our understanding of the distribution characteristics and dissemination patterns of *Calonectria* species.

Supplementary Materials: The following are available online at https://www.mdpi.com/article/10.3390/jof7100857/s1, Table S1: Number of sampling points containing each *Calonectria* species in each soil layer, Table S2: All 1037 isolates obtained and sequenced in this study, Figure S1: Number of sampling points that yielded *Calonectria* in each of the five soil layers, Figure S2: Phylogenetic tree of *Calonectria* species based on maximum likelihood (ML) analyses of the *tef1* gene sequences, Figure S3: Phylogenetic tree of *Calonectria* species based on ML analyses of the *tub2* gene sequences, Figure S4: Phylogenetic tree of *Calonectria* species based on ML analyses of the *cmdA* gene sequences, Figure S5: Phylogenetic tree of *Calonectria* species based on ML analyses of the *his3* gene sequences.

Author Contributions: S.C. conceived and designed the experiments. L.L. and S.C. collected the samples. L.L. performed the laboratory work. L.L., W.W. and S.C. analyzed the data. S.C. and L.L. wrote the paper. All authors have read and agreed to the published version of the manuscript.

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Supplementary Materials:

Table S1. Number of sampling points containing each *Calonectria* species in each soil layer.

Soil layer	*C. hongkongensis*	*C. aconidialis*	*C. kyotensis*	*C. ilicicola*	*C. chinensis*	*C. orientalis*	All six *Calonectria* species
0–20 cm	78	44	16	8	1	0	92
20–40 cm	31	10	4	4	0	0	40
40–60 cm	14	3	2	1	0	1	20
60–80 cm	2	2	1	1	0	1	7
80–100 cm	4	2	0	0	0	0	5
All five soil layers	82	49	22	11	1	1	93

Table S2. All 1037 isolates obtained and sequenced in this study.

Sampling point No. [1]	Soil layer	Sample and isolate information [2]	Isolate No. [3]	Identity	Genotype [4]	Collectors	GenBank Accession No. [5]			
							tef1	*tub2*	*cmdA*	*his3*
1	0–20 cm	20200709-1-(1)_0–20 cm_A_R1_SC1	CSF20257	*C. aconidialis*	ACAA	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167865	OK168902	OK169156	OK169240
1	0–20 cm	20200709-1-(1)_0–20 cm_A_R1_SC2	CSF20258	*C. hongkongensis*	AAAA	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167035	OK168072	OK169109	OK169194
1	0–20 cm	20200709-1-(1)_0–20 cm_A_R2_SC1	CSF20259	*C. hongkongensis*	AFAA	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167610	OK168647	OK169124	OK169208
1	0–20 cm	20200709-1-(1)_0–20 cm_A_R2_SC2	CSF20260	*C. kyotensis*	ABAB	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167983	OK169020	OK169164	OK169248
1	0–20 cm	20200709-1-(1)_0–20 cm_B_R1_SC1	CSF20261	*C. kyotensis*	AB--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167984	OK169021	– [6]	–
1	0–20 cm	20200709-1-(1)_0–20 cm_B_R1_SC2	CSF20262	*C. kyotensis*	AB--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167985	OK169022	–	–
1	20–40 cm	20200709-1-(1)_0–40 cm_A_R1_SC1	CSF20263	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167036	OK168073	–	–
1	20–40 cm	20200709-1-(1)_0–40 cm_A_R1_SC2	CSF20264	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167037	OK168074	–	–
1	20–40 cm	20200709-1-(1)_0–40 cm_A_R1_SC3	CSF20265	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167038	OK168075	–	–
1	20–40 cm	20200709-1-(1)_0–40 cm_A_R1_SC4	CSF20266	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167039	OK168076	–	–
1	40–60 cm	20200709-1-(1)_0–60 cm_C_R1_SC1	CSF20267	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167040	OK168077	–	–
1	40–60 cm	20200709-1-(1)_0–60 cm_C_R1_SC2	CSF20268	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167041	OK168078	–	–
1	40–60 cm	20200709-1-(1)_0–60 cm_C_R1_SC3	CSF20269	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167042	OK168079	–	–
1	40–60 cm	20200709-1-(1)_0–60 cm_C_R1_SC4	CSF20270	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167043	OK168080	–	–

2	0–20 cm	20200709-1-(2)_0–20 cm_A_R1_SC1	CSF20271	*C. hongkongensis*	AAAA	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167044	OK168081	OK169110	OK169195
2	0–20 cm	20200709-1-(2)_0–20 cm_A_R1_SC2	CSF20272	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167045	OK168082	–	–
2	0–20 cm	20200709-1-(2)_0–20 cm_B_R2_SC1	CSF20273	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167046	OK168083	–	–
2	0–20 cm	20200709-1-(2)_0–20 cm_B_R2_SC2	CSF20274	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167047	OK168084	–	–
2	20–40 cm	20200709-1-(2)_0–40 cm_A_R1_SC1	CSF20275	*C. kyotensis*	BAAA	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK168002	OK169039	OK169168	OK169252
2	20–40 cm	20200709-1-(2)_0–40 cm_A_R1_SC2	CSF20276	*C. kyotensis*	BAAA	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK168003	OK169040	OK169169	OK169253
2	20–40 cm	20200709-1-(2)_0–40 cm_A_R1_SC3	CSF20277	*C. kyotensis*	BA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK168004	OK169041	–	–
2	20–40 cm	20200709-1-(2)_0–40 cm_A_R1_SC4	CSF20278	*C. kyotensis*	BA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK168005	OK169042	–	–
2	20–40 cm	20200709-1-(2)_0–40 cm_B_R1_SC1	CSF20279	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167048	OK168085	–	–
2	20–40 cm	20200709-1-(2)_0–40 cm_B_R1_SC2	CSF20280	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167049	OK168086	–	–
2	20–40 cm	20200709-1-(2)_0–40 cm_B_R1_SC3	CSF20281	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167050	OK168087	–	–
2	20–40 cm	20200709-1-(2)_0–40 cm_B_R1_SC4	CSF20282	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167051	OK168088	–	–
2	20–40 cm	20200709-1-(2)_0–40 cm_B_R2_SC1	CSF20283	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167052	OK168089	–	–
2	20–40 cm	20200709-1-(2)_0–40 cm_B_R2_SC2	CSF20284	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167053	OK168090	–	–
2	20–40 cm	20200709-1-(2)_0–40 cm_B_R2_SC3	CSF20285	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167054	OK168091	–	–
2	20–40 cm	20200709-1-(2)_0–40 cm_B_R2_SC4	CSF20286	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167055	OK168092	–	–
3	0–20 cm	20200709-1-(3)_0–20 cm_A_R2_SC1	CSF20291	*C. hongkongensis*	AAAA	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167056	OK168093	OK169111	OK169196

3	0–20 cm	20200709-1-(3)_0–20 cm_A_R2_SC2	CSF20292	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167057	OK168094	–	–
3	80–100 cm	20200709-1-(3)_0–100 cm_A_R1_SC1	CSF20293	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167058	OK168095	–	–
3	80–100 cm	20200709-1-(3)_0–100 cm_A_R1_SC2	CSF20294	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167059	OK168096	–	–
3	80–100 cm	20200709-1-(3)_0–100 cm_A_R1_SC3	CSF20295	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167060	OK168097	–	–
3	80–100 cm	20200709-1-(3)_0–100 cm_A_R1_SC4	CSF20296	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167061	OK168098	–	–
3	80–100 cm	20200709-1-(3)_0–100 cm_D_R1_SC1	CSF20305	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167062	OK168099	–	–
3	80–100 cm	20200709-1-(3)_0–100 cm_D_R1_SC2	CSF20306	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167063	OK168100	–	–
3	80–100 cm	20200709-1-(3)_0–100 cm_D_R1_SC3	CSF20307	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167064	OK168101	–	–
3	80–100 cm	20200709-1-(3)_0–100 cm_D_R1_SC4	CSF20308	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167065	OK168102	–	–
4	0–20 cm	20200711-1-(1)_0–20 cm_A_R1_SC1	CSF20309	*C. hongkongensis*	AFAA	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167611	OK168648	OK169125	OK169209
4	0–20 cm	20200711-1-(1)_0–20 cm_A_R1_SC2	CSF20310	*C. hongkongensis*	AF--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167612	OK168649	–	–
4	0–20 cm	20200711-1-(1)_0–20 cm_A_R2_SC1	CSF20311	*C. hongkongensis*	AF--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167613	OK168650	–	–
4	0–20 cm	20200711-1-(1)_0–20 cm_A_R2_SC2	CSF20312	*C. hongkongensis*	AF--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167614	OK168651	–	–
4	0–20 cm	20200711-1-(1)_0–20 cm_B_R1_SC1	CSF20313	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167066	OK168103	–	–
4	0–20 cm	20200711-1-(1)_0–20 cm_B_R1_SC2	CSF20314	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167067	OK168104	–	–
4	0–20 cm	20200711-1-(1)_0–20 cm_B_R2_SC1	CSF20315	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167068	OK168105	–	–
4	0–20 cm	20200711-1-(1)_0–20 cm_B_R2_SC2	CSF20316	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167069	OK168106	–	–

5	0–20 cm	20200711-1-(2)_0–20 cm_A_R1_SC1	CSF20317	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167070	OK168107	–	–
5	0–20 cm	20200711-1-(2)_0–20 cm_A_R1_SC2	CSF20318	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167071	OK168108	–	–
5	0–20 cm	20200711-1-(2)_0–20 cm_A_R2_SC1	CSF20319	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167072	OK168109	–	–
5	0–20 cm	20200711-1-(2)_0–20 cm_A_R2_SC2	CSF20320	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167073	OK168110	–	–
5	0–20 cm	20200711-1-(2)_0–20 cm_B_R2_SC1	CSF20321	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167074	OK168111	–	–
5	0–20 cm	20200711-1-(2)_0–20 cm_B_R2_SC2	CSF20322	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167075	OK168112	–	–
6	0–20 cm	20200711-1-(3)_0–20 cm_A_R1_SC1	CSF20323	*C. aconidialis*	ACAA	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167866	OK168903	OK169157	OK169241
6	0–20 cm	20200711-1-(3)_0–20 cm_A_R2_SC1	CSF20324	*C. aconidialis*	AC--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167867	OK168904	–	–
6	0–20 cm	20200711-1-(3)_0–20 cm_A_R2_SC2	CSF20325	*C. aconidialis*	AAAA	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167700	OK168737	OK169148	OK169232
6	0–20 cm	20200711-1-(3)_0–20 cm_B_R1_SC1	CSF20326	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167076	OK168113	–	–
6	0–20 cm	20200711-1-(3)_0–20 cm_B_R1_SC2	CSF20327	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167077	OK168114	–	–
6	0–20 cm	20200711-1-(3)_0–20 cm_B_R2_SC1	CSF20328	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167078	OK168115	–	–
6	0–20 cm	20200711-1-(3)_0–20 cm_B_R2_SC2	CSF20329	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167079	OK168116	–	–
6	20–40 cm	20200711-1-(3)_0–40 cm_A_R2_SC1	CSF20330	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167080	OK168117	–	–
6	20–40 cm	20200711-1-(3)_0–40 cm_A_R2_SC2	CSF20331	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167081	OK168118	–	–
6	20–40 cm	20200711-1-(3)_0–40 cm_A_R2_SC3	CSF20332	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167082	OK168119	–	–
6	20–40 cm	20200711-1-(3)_0–40 cm_A_R2_SC4	CSF20333	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167083	OK168120	–	–

6	20–40 cm	20200711-1-(3)_0–40 cm_B_R1_SC1	CSF20334	*C. hongkongensis*	DAAA	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167669	OK168706	OK169144	OK169228
6	20–40 cm	20200711-1-(3)_0–40 cm_B_R1_SC2	CSF20335	*C. hongkongensis*	DA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167670	OK168707	–	–
6	20–40 cm	20200711-1-(3)_0–40 cm_B_R1_SC3	CSF20336	*C. hongkongensis*	DA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167671	OK168708	–	–
6	20–40 cm	20200711-1-(3)_0–40 cm_B_R1_SC4	CSF20337	*C. hongkongensis*	DA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167672	OK168709	–	–
6	20–40 cm	20200711-1-(3)_0–40 cm_B_R2_SC1	CSF20338	*C. kyotensis*	ABBA	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167986	OK169023	OK169165	OK169249
6	20–40 cm	20200711-1-(3)_0–40 cm_B_R2_SC2	CSF20339	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167084	OK168121	–	–
6	20–40 cm	20200711-1-(3)_0–40 cm_B_R2_SC3	CSF20340	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167085	OK168122	–	–
6	20–40 cm	20200711-1-(3)_0–40 cm_B_R2_SC4	CSF20341	*C. kyotensis*	AB--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167987	OK169024	–	–
6	60–80 cm	20200711-1-(3)_0–80 cm_A_R1_SC1	CSF20342	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167086	OK168123	–	–
6	60–80 cm	20200711-1-(3)_0–80 cm_A_R1_SC2	CSF20343	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167087	OK168124	–	–
6	60–80 cm	20200711-1-(3)_0–80 cm_A_R1_SC3	CSF20344	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167088	OK168125	–	–
6	60–80 cm	20200711-1-(3)_0–80 cm_A_R1_SC4	CSF20345	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167089	OK168126	–	–
7	0–20 cm	20200711-1-(4)_0–20 cm_A_R1_SC1	CSF20350	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167090	OK168127	–	–
7	0–20 cm	20200711-1-(4)_0–20 cm_A_R1_SC2	CSF20351	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167091	OK168128	–	–
7	0–20 cm	20200711-1-(4)_0–20 cm_A_R2_SC1	CSF20352	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167092	OK168129	–	–
7	0–20 cm	20200711-1-(4)_0–20 cm_A_R2_SC2	CSF20353	*C. hongkongensis*	CAAA	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167664	OK168701	OK169140	OK169224
7	0–20 cm	20200711-1-(4)_0–20 cm_B_R1_SC1	CSF20354	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167093	OK168130	–	–

7	0–20 cm	20200711-1-(4)_0–20 cm_B_R1_SC2	CSF20355	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167094	OK168131	–	–
7	0–20 cm	20200711-1-(4)_0–20 cm_B_R2_SC1	CSF20356	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167095	OK168132	–	–
7	0–20 cm	20200711-1-(4)_0–20 cm_B_R2_SC2	CSF20357	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167096	OK168133	–	–
7	20–40 cm	20200711-1-(4)_0–40 cm_B_R1_SC1	CSF20358	*C. hongkongensis*	CAAA	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167665	OK168702	OK169141	OK169225
7	20–40 cm	20200711-1-(4)_0–40 cm_B_R1_SC2	CSF20359	*C. hongkongensis*	CAAA	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167666	OK168703	OK169142	OK169226
7	20–40 cm	20200711-1-(4)_0–40 cm_B_R1_SC3	CSF20360	*C. hongkongensis*	CAAA	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167667	OK168704	OK169143	OK169227
7	20–40 cm	20200711-1-(4)_0–40 cm_B_R1_SC4	CSF20361	*C. hongkongensis*	CA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167668	OK168705	–	–
7	40–60 cm	20200711-1-(4)_0–60 cm_B_R1_SC1	CSF20362	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167097	OK168134	–	–
7	40–60 cm	20200711-1-(4)_0–60 cm_B_R1_SC2	CSF20363	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167098	OK168135	–	–
7	40–60 cm	20200711-1-(4)_0–60 cm_B_R1_SC3	CSF20364	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167099	OK168136	–	–
7	40–60 cm	20200711-1-(4)_0–60 cm_B_R1_SC4	CSF20365	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167100	OK168137	–	–
8	0–20 cm	20200711-1-(5)_0–20 cm_A_R1_SC1	CSF20366	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167101	OK168138	–	–
8	0–20 cm	20200711-1-(5)_0–20 cm_A_R1_SC2	CSF20367	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167102	OK168139	–	–
8	0–20 cm	20200711-1-(5)_0–20 cm_A_R2_SC1	CSF20368	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167103	OK168140	–	–
8	0–20 cm	20200711-1-(5)_0–20 cm_A_R2_SC2	CSF20369	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167104	OK168141	–	–
8	0–20 cm	20200711-1-(5)_0–20 cm_B_R1_SC1	CSF20370	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167105	OK168142	–	–
8	0–20 cm	20200711-1-(5)_0–20 cm_B_R1_SC2	CSF20371	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167106	OK168143	–	–

8	0–20 cm	20200711-1-(5)_0–20 cm_B_R2_SC1	CSF20372	*C. kyotensis*	AAAA	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167950	OK168987	OK169160	OK169244
8	0–20 cm	20200711-1-(5)_0–20 cm_B_R2_SC2	CSF20373	*C. kyotensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167951	OK168988	–	–
8	0–20 cm	20200711-1-(5)_0–20 cm_B_R2_SC3	CSF20374	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167107	OK168144	–	–
8	0–20 cm	20200711-1-(5)_0–20 cm_B_R2_SC4	CSF20375	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167108	OK168145	–	–
9	0–20 cm	20200711-1-(6)_0–20 cm_A_R1_SC1	CSF20376	*C. aconidialis*	ACAA	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167868	OK168905	OK169158	OK169242
9	0–20 cm	20200711-1-(6)_0–20 cm_A_R1_SC2	CSF20377	*C. aconidialis*	AC--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167869	OK168906	–	–
9	0–20 cm	20200711-1-(6)_0–20 cm_A_R2_SC1	CSF20378	*C. aconidialis*	AACA	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167701	OK168738	OK169149	OK169233
9	0–20 cm	20200711-1-(6)_0–20 cm_A_R2_SC2	CSF20379	*C. aconidialis*	AC--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167870	OK168907	–	–
9	0–20 cm	20200711-1-(6)_0–20 cm_B_R1_SC1	CSF20380	*C. hongkongensis*	AGAA	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167630	OK168667	OK169128	OK169212
9	0–20 cm	20200711-1-(6)_0–20 cm_B_R1_SC2	CSF20381	*C. aconidialis*	AC--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167871	OK168908	–	–
9	0–20 cm	20200711-1-(6)_0–20 cm_B_R2_SC1	CSF20382	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167109	OK168146	–	–
9	0–20 cm	20200711-1-(6)_0–20 cm_B_R2_SC2	CSF20383	*C. hongkongensis*	DAAA	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167673	OK168710	OK169145	OK169229
9	20–40 cm	20200711-1-(6)_0–40 cm_A_R2_SC1	CSF20384	*C. aconidialis*	AC--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167872	OK168909	–	–
9	20–40 cm	20200711-1-(6)_0–40 cm_A_R2_SC2	CSF20385	*C. aconidialis*	AC--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167873	OK168910	–	–
9	20–40 cm	20200711-1-(6)_0–40 cm_A_R2_SC3	CSF20386	*C. aconidialis*	AC--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167874	OK168911	–	–
9	20–40 cm	20200711-1-(6)_0–40 cm_A_R2_SC4	CSF20387	*C. aconidialis*	AC--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167875	OK168912	–	–
9	40–60 cm	20200711-1-(6)_0–60 cm_B_R1_SC1	CSF20388	*C. aconidialis*	AC--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167876	OK168913	–	–

9	40–60 cm	20200711-1-(6)_0–60 cm_B_R1_SC2	CSF20389	*C. aconidialis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167702	OK168739	–	–
9	40–60 cm	20200711-1-(6)_0–60 cm_B_R1_SC3	CSF20390	*C. aconidialis*	AC--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167877	OK168914	–	–
9	40–60 cm	20200711-1-(6)_0–60 cm_B_R1_SC4	CSF20391	*C. aconidialis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167703	OK168740	–	–
9	80–100 cm	20200711-1-(6)_0–100 cm_B_R1_SC1	CSF20396	*C. aconidialis*	AC--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167878	OK168915	–	–
9	80–100 cm	20200711-1-(6)_0–100 cm_B_R1_SC2	CSF20397	*C. aconidialis*	AC--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167879	OK168916	–	–
9	80–100 cm	20200711-1-(6)_0–100 cm_B_R1_SC3	CSF20398	*C. aconidialis*	AC--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167880	OK168917	–	–
9	80–100 cm	20200711-1-(6)_0–100 cm_B_R1_SC4	CSF20399	*C. aconidialis*	AC--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167881	OK168918	–	–
9	80–100 cm	20200711-1-(6)_0–100 cm_B_R2_SC1	CSF20400	*C. hongkongensis*	DA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167674	OK168711	–	–
9	80–100 cm	20200711-1-(6)_0–100 cm_B_R2_SC2	CSF20401	*C. hongkongensis*	DA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167675	OK168712	–	–
9	80–100 cm	20200711-1-(6)_0–100 cm_B_R2_SC3	CSF20402	*C. hongkongensis*	DA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167676	OK168713	–	–
9	80–100 cm	20200711-1-(6)_0–100 cm_B_R2_SC4	CSF20403	*C. hongkongensis*	DA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167677	OK168714	–	–
10	0–20 cm	20200711-1-(7)_0–20 cm_A_R1_SC1	CSF20408	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167110	OK168147	–	–
10	0–20 cm	20200711-1-(7)_0–20 cm_A_R1_SC2	CSF20409	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167111	OK168148	–	–
10	0–20 cm	20200711-1-(7)_0–20 cm_A_R2_SC1	CSF20410	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167112	OK168149	–	–
10	0–20 cm	20200711-1-(7)_0–20 cm_A_R2_SC2	CSF20411	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167113	OK168150	–	–
10	0–20 cm	20200711-1-(7)_0–20 cm_B_R1_SC1	CSF20412	*C. hongkongensis*	ADAA	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167601	OK168638	OK169118	OK169202
10	0–20 cm	20200711-1-(7)_0–20 cm_B_R1_SC2	CSF20413	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167114	OK168151	–	–

10	0–20 cm	20200711-1-(7)_0–20 cm_B_R2_SC1	CSF20414	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167115	OK168152	–	–
10	0–20 cm	20200711-1-(7)_0–20 cm_B_R2_SC2	CSF20415	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167116	OK168153	–	–
10	20–40 cm	20200711-1-(7)_0–40 cm_A_R2_SC1	CSF20416	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167117	OK168154	–	–
10	20–40 cm	20200711-1-(7)_0–40 cm_A_R2_SC2	CSF20417	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167118	OK168155	–	–
10	20–40 cm	20200711-1-(7)_0–40 cm_A_R2_SC3	CSF20418	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167119	OK168156	–	–
10	20–40 cm	20200711-1-(7)_0–40 cm_A_R2_SC4	CSF20419	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167120	OK168157	–	–
10	20–40 cm	20200711-1-(7)_0–40 cm_B_R1_SC1	CSF20420	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167121	OK168158	–	–
10	20–40 cm	20200711-1-(7)_0–40 cm_B_R1_SC2	CSF20421	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167122	OK168159	–	–
10	20–40 cm	20200711-1-(7)_0–40 cm_B_R1_SC3	CSF20422	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167123	OK168160	–	–
10	20–40 cm	20200711-1-(7)_0–40 cm_B_R1_SC4	CSF20423	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167124	OK168161	–	–
10	20–40 cm	20200711-1-(7)_0–40 cm_B_R2_SC1	CSF20424	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167125	OK168162	–	–
10	20–40 cm	20200711-1-(7)_0–40 cm_B_R2_SC2	CSF20425	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167126	OK168163	–	–
10	20–40 cm	20200711-1-(7)_0–40 cm_B_R2_SC3	CSF20426	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167127	OK168164	–	–
10	20–40 cm	20200711-1-(7)_0–40 cm_B_R2_SC4	CSF20427	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167128	OK168165	–	–
10	40–60 cm	20200711-1-(7)_0–60 cm_B_R1_SC1	CSF20428	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167129	OK168166	–	–
10	40–60 cm	20200711-1-(7)_0–60 cm_B_R1_SC2	CSF20429	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167130	OK168167	–	–
10	40–60 cm	20200711-1-(7)_0–60 cm_B_R1_SC3	CSF20430	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167131	OK168168	–	–

10	40–60 cm	20200711-1-(7)_0–60 cm_B_R1_SC4	CSF20431	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167132	OK168169	–	–
10	40–60 cm	20200711-1-(7)_0–60 cm_B_R2_SC1	CSF20432	*C. kyotensis*	ABAB	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167988	OK169025	OK169166	OK169250
10	40–60 cm	20200711-1-(7)_0–60 cm_B_R2_SC2	CSF20433	*C. kyotensis*	AB--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167989	OK169026	–	–
10	40–60 cm	20200711-1-(7)_0–60 cm_B_R2_SC3	CSF20434	*C. kyotensis*	AB--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167990	OK169027	–	–
10	80–100 cm	20200711-1-(7)_0–100 cm_A_R1_SC1	CSF20436	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167133	OK168170	–	–
10	80–100 cm	20200711-1-(7)_0–100 cm_A_R1_SC2	CSF20437	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167134	OK168171	–	–
10	80–100 cm	20200711-1-(7)_0–100 cm_A_R1_SC3	CSF20438	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167135	OK168172	–	–
10	80–100 cm	20200711-1-(7)_0–100 cm_A_R1_SC4	CSF20439	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, Y Liu & X.Y. Liang	OK167136	OK168173	–	–
11	0–20 cm	20200715-1-(1)_0–20 cm_A_R1_SC1	CSF20440	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167137	OK168174	–	–
11	0–20 cm	20200715-1-(1)_0–20 cm_A_R1_SC2	CSF20441	*C. hongkongensis*	AGAA	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167631	OK168668	OK169129	OK169213
11	0–20 cm	20200715-1-(1)_0–20 cm_A_R2_SC1	CSF20442	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167138	OK168175	–	–
11	0–20 cm	20200715-1-(1)_0–20 cm_A_R2_SC2	CSF20443	*C. kyotensis*	AAAA	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167952	OK168989	OK169161	OK169245
11	0–20 cm	20200715-1-(1)_0–20 cm_B_R1_SC1	CSF20444	*C. hongkongensis*	DAAA	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167678	OK168715	OK169146	OK169230
11	0–20 cm	20200715-1-(1)_0–20 cm_B_R1_SC2	CSF20445	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167139	OK168176	–	–
11	0–20 cm	20200715-1-(1)_0–20 cm_B_R2_SC1	CSF20446	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167140	OK168177	–	–
11	0–20 cm	20200715-1-(1)_0–20 cm_B_R2_SC2	CSF20447	*C. aconidialis*	AACA	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167704	OK168741	OK169150	OK169234
11	20–40 cm	20200715-1-(1)_0–40 cm_A_R1_SC1	CSF20448	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167141	OK168178	–	–

11	20–40 cm	20200715-1-(1)_0–40 cm_A_R1_SC2	CSF20449	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167142	OK168179	–	–
11	20–40 cm	20200715-1-(1)_0–40 cm_A_R1_SC3	CSF20450	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167143	OK168180	–	–
11	20–40 cm	20200715-1-(1)_0–40 cm_A_R1_SC4	CSF20451	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167144	OK168181	–	–
11	20–40 cm	20200715-1-(1)_0–40 cm_A_R2_SC1	CSF20452	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167145	OK168182	–	–
11	20–40 cm	20200715-1-(1)_0–40 cm_A_R2_SC2	CSF20453	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167146	OK168183	–	–
11	20–40 cm	20200715-1-(1)_0–40 cm_A_R2_SC3	CSF20454	*C. hongkongensis*	ADAA	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167602	OK168639	OK169119	OK169203
11	20–40 cm	20200715-1-(1)_0–40 cm_A_R2_SC4	CSF20455	*C. hongkongensis*	AD--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167603	OK168640	–	–
11	20–40 cm	20200715-1-(1)_0–40 cm_B_R1_SC1	CSF20456	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167147	OK168184	–	–
11	20–40 cm	20200715-1-(1)_0–40 cm_B_R1_SC2	CSF20457	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167148	OK168185	–	–
11	20–40 cm	20200715-1-(1)_0–40 cm_B_R1_SC3	CSF20458	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167149	OK168186	–	–
11	20–40 cm	20200715-1-(1)_0–40 cm_B_R1_SC4	CSF20459	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167150	OK168187	–	–
11	20–40 cm	20200715-1-(1)_0–40 cm_B_R2_SC1	CSF20460	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167151	OK168188	–	–
11	20–40 cm	20200715-1-(1)_0–40 cm_B_R2_SC2	CSF20461	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167152	OK168189	–	–
11	20–40 cm	20200715-1-(1)_0–40 cm_B_R2_SC3	CSF20462	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167153	OK168190	–	–
11	20–40 cm	20200715-1-(1)_0–40 cm_B_R2_SC4	CSF20463	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167154	OK168191	–	–
11	40–60 cm	20200715-1-(1)_0–60 cm_B_R1_SC1	CSF20464	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167155	OK168192	–	–
11	40–60 cm	20200715-1-(1)_0–60 cm_B_R1_SC2	CSF20465	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167156	OK168193	–	–

11	40–60 cm	20200715-1-(1)_0–60 cm_B_R1_SC3	CSF20466	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167157	OK168194	–	–
11	40–60 cm	20200715-1-(1)_0–60 cm_B_R1_SC4	CSF20467	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167158	OK168195	–	–
12	0–20 cm	20200715-1-(2)_0–20 cm_A_R1_SC1	CSF20468	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167159	OK168196	–	–
12	0–20 cm	20200715-1-(2)_0–20 cm_A_R1_SC2	CSF20469	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167160	OK168197	–	–
12	0–20 cm	20200715-1-(2)_0–20 cm_A_R2_SC1	CSF20470	*C. hongkongensis*	AFAA	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167615	OK168652	OK169126	OK169210
12	0–20 cm	20200715-1-(2)_0–20 cm_B_R1_SC1	CSF20472	*C. hongkongensis*	BAAA	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167649	OK168686	OK169136	OK169220
12	0–20 cm	20200715-1-(2)_0–20 cm_B_R1_SC2	CSF20473	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167161	OK168198	–	–
12	0–20 cm	20200715-1-(2)_0–20 cm_B_R2_SC1	CSF20474	*C. hongkongensis*	BA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167650	OK168687	–	–
12	0–20 cm	20200715-1-(2)_0–20 cm_B_R2_SC2	CSF20475	*C. hongkongensis*	BA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167651	OK168688	–	–
12	20–40 cm	20200715-1-(2)_0–40 cm_B_R1_SC1	CSF20476	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167162	OK168199	–	–
12	20–40 cm	20200715-1-(2)_0–40 cm_B_R1_SC2	CSF20477	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167163	OK168200	–	–
12	20–40 cm	20200715-1-(2)_0–40 cm_B_R1_SC3	CSF20478	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167164	OK168201	–	–
12	20–40 cm	20200715-1-(2)_0–40 cm_B_R1_SC4	CSF20479	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167165	OK168202	–	–
12	40–60 cm	20200715-1-(2)_0–60 cm_B_R2_SC1	CSF20480	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167166	OK168203	–	–
12	40–60 cm	20200715-1-(2)_0–60 cm_B_R2_SC2	CSF20481	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167167	OK168204	–	–
12	40–60 cm	20200715-1-(2)_0–60 cm_B_R2_SC3	CSF20482	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167168	OK168205	–	–
12	40–60 cm	20200715-1-(2)_0–60 cm_B_R2_SC4	CSF20483	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167169	OK168206	–	–

13	0–20 cm	20200715-1-(3)_0–20 cm_A_R1_SC1	CSF20484	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167170	OK168207	–	–
13	0–20 cm	20200715-1-(3)_0–20 cm_A_R1_SC2	CSF20485	*C. aconidialis*	AC--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167882	OK168919	–	–
13	0–20 cm	20200715-1-(3)_0–20 cm_A_R2_SC1	CSF20486	*C. aconidialis*	AC--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167883	OK168920	–	–
13	0–20 cm	20200715-1-(3)_0–20 cm_A_R2_SC2	CSF20487	*C. aconidialis*	AC--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167884	OK168921	–	–
13	0–20 cm	20200715-1-(3)_0–20 cm_B_R1_SC1	CSF20488	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167171	OK168208	–	–
13	0–20 cm	20200715-1-(3)_0–20 cm_B_R2_SC1	CSF20490	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167172	OK168209	–	–
13	0–20 cm	20200715-1-(3)_0–20 cm_B_R2_SC2	CSF20491	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167173	OK168210	–	–
14	0–20 cm	20200715-1-(4)_0–20 cm_A_R1_SC1	CSF20492	*C. aconidialis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167705	OK168742	–	–
14	0–20 cm	20200715-1-(4)_0–20 cm_A_R1_SC2	CSF20493	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167174	OK168211	–	–
14	0–20 cm	20200715-1-(4)_0–20 cm_A_R2_SC1	CSF20494	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167175	OK168212	–	–
14	0–20 cm	20200715-1-(4)_0–20 cm_A_R2_SC2	CSF20495	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167176	OK168213	–	–
14	0–20 cm	20200715-1-(4)_0–20 cm_B_R1_SC1	CSF20496	*C. aconidialis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167706	OK168743	–	–
14	0–20 cm	20200715-1-(4)_0–20 cm_B_R1_SC2	CSF20497	*C. aconidialis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167707	OK168744	–	–
14	0–20 cm	20200715-1-(4)_0–20 cm_B_R2_SC1	CSF20498	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167177	OK168214	–	–
14	0–20 cm	20200715-1-(4)_0–20 cm_B_R2_SC2	CSF20499	*C. aconidialis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167708	OK168745	–	–
14	20–40 cm	20200715-1-(4)_0–40 cm_A_R1_SC1	CSF20500	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167178	OK168215	–	–
14	20–40 cm	20200715-1-(4)_0–40 cm_A_R1_SC2	CSF20501	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167179	OK168216	–	–

14	20–40 cm	20200715-1-(4)_0–40 cm_A_R1_SC3	CSF20502	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167180	OK168217	–	–
14	20–40 cm	20200715-1-(4)_0–40 cm_A_R1_SC4	CSF20503	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167181	OK168218	–	–
14	20–40 cm	20200715-1-(4)_0–40 cm_A_R2_SC2	CSF20505	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167182	OK168219	–	–
14	20–40 cm	20200715-1-(4)_0–40 cm_A_R2_SC3	CSF20506	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167183	OK168220	–	–
14	20–40 cm	20200715-1-(4)_0–40 cm_A_R2_SC4	CSF20507	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167184	OK168221	–	–
14	40–60 cm	20200715-1-(4)_0–60 cm_A_R1_SC1	CSF20508	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167185	OK168222	–	–
14	40–60 cm	20200715-1-(4)_0–60 cm_A_R1_SC2	CSF20509	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167186	OK168223	–	–
14	40–60 cm	20200715-1-(4)_0–60 cm_A_R1_SC3	CSF20510	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167187	OK168224	–	–
14	40–60 cm	20200715-1-(4)_0–60 cm_A_R1_SC4	CSF20511	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167188	OK168225	–	–
14	40–60 cm	20200715-1-(4)_0–60 cm_B_R1_SC1	CSF20512	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167189	OK168226	–	–
14	40–60 cm	20200715-1-(4)_0–60 cm_B_R1_SC2	CSF20513	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167190	OK168227	–	–
14	40–60 cm	20200715-1-(4)_0–60 cm_B_R1_SC4	CSF20515	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167191	OK168228	–	–
15	0–20 cm	20200715-1-(5)_0–20 cm_B_R1_SC1	CSF20516	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167192	OK168229	–	–
16	0–20 cm	20200715-1-(6)_0–20 cm_B_R2_SC1	CSF20518	*C. kyotensis*	AAAB	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167953	OK168990	OK169162	OK169246
16	0–20 cm	20200715-1-(6)_0–20 cm_B_R2_SC2	CSF20519	*C. kyotensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167954	OK168991	–	–
17	0–20 cm	20200715-1-(7)_0–20 cm_A_R1_SC1	CSF20520	*C. aconidialis*	AC--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167885	OK168922	–	–
17	0–20 cm	20200715-1-(7)_0–20 cm_A_R1_SC2	CSF20521	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167193	OK168230	–	–

17	0–20 cm	20200715-1-(7)_0–20 cm_A_R2_SC2	CSF20523	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167194	OK168231	–	–
17	0–20 cm	20200715-1-(7)_0–20 cm_B_R1_SC1	CSF20524	*C. hongkongensis*	ACAA	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167597	OK168634	OK169114	OK169198
17	0–20 cm	20200715-1-(7)_0–20 cm_B_R1_SC2	CSF20525	*C. hongkongensis*	ACAA	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167598	OK168635	OK169115	OK169199
17	0–20 cm	20200715-1-(7)_0–20 cm_B_R2_SC1	CSF20526	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167195	OK168232	–	–
17	0–20 cm	20200715-1-(7)_0–20 cm_B_R2_SC2	CSF20527	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167196	OK168233	–	–
17	40–60 cm	20200715-1-(7)_0–60 cm_A_R1_SC1	CSF20528	*C. hongkongensis*	AGAA	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167632	OK168669	OK169130	OK169214
17	40–60 cm	20200715-1-(7)_0–60 cm_A_R1_SC2	CSF20529	*C. hongkongensis*	AG--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167633	OK168670	–	–
17	40–60 cm	20200715-1-(7)_0–60 cm_A_R1_SC3	CSF20530	*C. hongkongensis*	AG--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167634	OK168671	–	–
17	40–60 cm	20200715-1-(7)_0–60 cm_A_R1_SC4	CSF20531	*C. hongkongensis*	AG--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167635	OK168672	–	–
17	40–60 cm	20200715-1-(7)_0–60 cm_B_R2_SC1	CSF20532	*C. hongkongensis*	DA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167679	OK168716	–	–
17	40–60 cm	20200715-1-(7)_0–60 cm_B_R2_SC2	CSF20533	*C. hongkongensis*	DA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167680	OK168717	–	–
17	40–60 cm	20200715-1-(7)_0–60 cm_B_R2_SC3	CSF20534	*C. hongkongensis*	DA--	S.F. Chen, L.L. Liu, J.L. Han, L.S. Sun & W.W. Li	OK167681	OK168718	–	–
18	0–20 cm	20200716-1-(1)_0–20 cm_A_R1_SC1	CSF20536	*C. aconidialis*	AA--	S.F. Chen, L.L. Liu, J.L. Han & L.S. Sun	OK167709	OK168746	–	–
18	0–20 cm	20200716-1-(1)_0–20 cm_A_R1_SC2	CSF20537	*C. aconidialis*	AA--	S.F. Chen, L.L. Liu, J.L. Han & L.S. Sun	OK167710	OK168747	–	–
18	0–20 cm	20200716-1-(1)_0–20 cm_A_R2_SC1	CSF20538	*C. aconidialis*	AA--	S.F. Chen, L.L. Liu, J.L. Han & L.S. Sun	OK167711	OK168748	–	–
18	0–20 cm	20200716-1-(1)_0–20 cm_A_R2_SC2	CSF20539	*C. aconidialis*	AA--	S.F. Chen, L.L. Liu, J.L. Han & L.S. Sun	OK167712	OK168749	–	–
20	0–20 cm	20200716-1-(3)_0–20 cm_A_R1_SC1	CSF20540	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han & L.S. Sun	OK167197	OK168234	–	–

20	0–20 cm	20200716-1-(3)_0–20 cm_A_R1_SC2	CSF20541	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han & L.S. Sun	OK167198	OK168235	–	–
20	0–20 cm	20200716-1-(3)_0–20 cm_A_R2_SC1	CSF20542	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han & L.S. Sun	OK167199	OK168236	–	–
20	0–20 cm	20200716-1-(3)_0–20 cm_A_R2_SC2	CSF20543	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han & L.S. Sun	OK167200	OK168237	–	–
20	0–20 cm	20200716-1-(3)_0–20 cm_B_R2_SC1	CSF20544	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han & L.S. Sun	OK167201	OK168238	–	–
20	0–20 cm	20200716-1-(3)_0–20 cm_B_R2_SC2	CSF20545	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han & L.S. Sun	OK167202	OK168239	–	–
21	0–20 cm	20200716-1-(4)_0–20 cm_A_R1_SC1	CSF20546	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han & L.S. Sun	OK167203	OK168240	–	–
21	0–20 cm	20200716-1-(4)_0–20 cm_A_R1_SC2	CSF20547	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han & L.S. Sun	OK167204	OK168241	–	–
21	0–20 cm	20200716-1-(4)_0–20 cm_A_R2_SC1	CSF20548	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han & L.S. Sun	OK167205	OK168242	–	–
21	0–20 cm	20200716-1-(4)_0–20 cm_B_R1_SC1	CSF20550	*C. hongkongensis*	AF--	S.F. Chen, L.L. Liu, J.L. Han & L.S. Sun	OK167616	OK168653	–	–
21	0–20 cm	20200716-1-(4)_0–20 cm_B_R1_SC2	CSF20551	*C. hongkongensis*	AF--	S.F. Chen, L.L. Liu, J.L. Han & L.S. Sun	OK167617	OK168654	–	–
21	0–20 cm	20200716-1-(4)_0–20 cm_B_R2_SC1	CSF20552	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han & L.S. Sun	OK167206	OK168243	–	–
21	0–20 cm	20200716-1-(4)_0–20 cm_B_R2_SC2	CSF20553	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han & L.S. Sun	OK167207	OK168244	–	–
21	20–40 cm	20200716-1-(4)_0–40 cm_A_R1_SC1	CSF20554	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han & L.S. Sun	OK167208	OK168245	–	–
21	20–40 cm	20200716-1-(4)_0–40 cm_A_R1_SC2	CSF20555	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han & L.S. Sun	OK167209	OK168246	–	–
21	20–40 cm	20200716-1-(4)_0–40 cm_A_R1_SC3	CSF20556	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han & L.S. Sun	OK167210	OK168247	–	–
21	20–40 cm	20200716-1-(4)_0–40 cm_A_R1_SC4	CSF20557	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han & L.S. Sun	OK167211	OK168248	–	–
21	20–40 cm	20200716-1-(4)_0–40 cm_B_R1_SC1	CSF20558	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han & L.S. Sun	OK167212	OK168249	–	–

21	20–40 cm	20200716-1-(4)_0–40 cm_B_R1_SC3	CSF20560	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han & L.S. Sun	OK167213	OK168250	–	–
21	20–40 cm	20200716-1-(4)_0–40 cm_B_R1_SC4	CSF20561	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han & L.S. Sun	OK167214	OK168251	–	–
21	20–40 cm	20200716-1-(4)_0–40 cm_B_R2_SC1	CSF20562	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han & L.S. Sun	OK167215	OK168252	–	–
21	20–40 cm	20200716-1-(4)_0–40 cm_B_R2_SC2	CSF20563	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han & L.S. Sun	OK167216	OK168253	–	–
21	20–40 cm	20200716-1-(4)_0–40 cm_B_R2_SC3	CSF20564	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han & L.S. Sun	OK167217	OK168254	–	–
21	20–40 cm	20200716-1-(4)_0–40 cm_B_R2_SC4	CSF20565	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han & L.S. Sun	OK167218	OK168255	–	–
22	40–60 cm	20200716-1-(5)_0–60 cm_B_R2_SC1	CSF20566	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han & L.S. Sun	OK167219	OK168256	–	–
22	40–60 cm	20200716-1-(5)_0–60 cm_B_R2_SC2	CSF20567	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han & L.S. Sun	OK167220	OK168257	–	–
22	40–60 cm	20200716-1-(5)_0–60 cm_B_R2_SC3	CSF20568	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han & L.S. Sun	OK167221	OK168258	–	–
22	40–60 cm	20200716-1-(5)_0–60 cm_B_R2_SC4	CSF20569	*C. hongkongensis*	AA--	S.F. Chen, L.L. Liu, J.L. Han & L.S. Sun	OK167222	OK168259	–	–
25	0–20 cm	20200727-1-(1)_0–20 cm_A_R2_SC1	CSF20570	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167223	OK168260	–	–
25	0–20 cm	20200727-1-(1)_0–20 cm_A_R2_SC2	CSF20571	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167713	OK168750	–	–
25	0–20 cm	20200727-1-(1)_0–20 cm_B_R1_SC1	CSF20572	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167224	OK168261	–	–
25	0–20 cm	20200727-1-(1)_0–20 cm_B_R1_SC2	CSF20573	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167225	OK168262	–	–
25	0–20 cm	20200727-1-(1)_0–20 cm_B_R2_SC1	CSF20574	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167714	OK168751	–	–
25	0–20 cm	20200727-1-(1)_0–20 cm_B_R2_SC2	CSF20575	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167886	OK168923	–	–
27	0–20 cm	20200727-1-(3)_0–20 cm_A_R1_SC1	CSF20576	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167226	OK168263	–	–

27	0–20 cm	20200727-1-(3)_0–20 cm_A_R1_SC2	CSF20577	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167227	OK168264	–	–
27	0–20 cm	20200727-1-(3)_0–20 cm_A_R2_SC1	CSF20578	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167715	OK168752	–	–
27	0–20 cm	20200727-1-(3)_0–20 cm_A_R2_SC2	CSF20579	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167716	OK168753	–	–
27	0–20 cm	20200727-1-(3)_0–20 cm_B_R2_SC1	CSF20580	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167717	OK168754	–	–
27	0–20 cm	20200727-1-(3)_0–20 cm_B_R2_SC2	CSF20581	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167718	OK168755	–	–
27	40–60 cm	20200727-1-(3)_0–60 cm_B_R1_SC1	CSF20582	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167719	OK168756	–	–
27	40–60 cm	20200727-1-(3)_0–60 cm_B_R1_SC2	CSF20583	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167720	OK168757	–	–
27	40–60 cm	20200727-1-(3)_0–60 cm_B_R1_SC3	CSF20584	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167721	OK168758	–	–
27	40–60 cm	20200727-1-(3)_0–60 cm_B_R1_SC4	CSF20585	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167722	OK168759	–	–
28	0–20 cm	20200727-1-(4)_0–20 cm_A_R1_SC1	CSF20586	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167228	OK168265	–	–
28	0–20 cm	20200727-1-(4)_0–20 cm_A_R1_SC2	CSF20587	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167229	OK168266	–	–
28	0–20 cm	20200727-1-(4)_0–20 cm_A_R2_SC1	CSF20588	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167230	OK168267	–	–
28	0–20 cm	20200727-1-(4)_0–20 cm_A_R2_SC2	CSF20589	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167231	OK168268	–	–
28	20–40 cm	20200727-1-(4)_0–40 cm_B_R2_SC1	CSF20590	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167232	OK168269	–	–
28	20–40 cm	20200727-1-(4)_0–40 cm_B_R2_SC3	CSF20592	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167233	OK168270	–	–
28	20–40 cm	20200727-1-(4)_0–40 cm_B_R2_SC4	CSF20593	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167234	OK168271	–	–
29	0–20 cm	20200727-1-(5)_0–20 cm_A_R2_SC1	CSF20594	*C. ilicicola*	AAAB	L.L. Liu, J.L. Han & L.S. Sun	OK168008	OK169045	OK169172	OK169256

29	0–20 cm	20200727-1-(5)_0–20 cm_A_R2_SC2	CSF20595	*C. ilicicola*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK168009	OK169046	–	–
30	0–20 cm	20200727-1-(6)_0–20 cm_A_R2_SC1	CSF20596	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167723	OK168760	–	–
30	0–20 cm	20200727-1-(6)_0–20 cm_A_R2_SC2	CSF20597	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167724	OK168761	–	–
31	0–20 cm	20200729-1-(1)_0–20 cm_B_R1_SC1	CSF20598	*C. aconidialis*	AA--	L.L. Liu, J.L. Han, L.S. Sun, Y Liu & X.Y. Liang	OK167725	OK168762	–	–
31	0–20 cm	20200729-1-(1)_0–20 cm_B_R1_SC2	CSF20599	*C. aconidialis*	AA--	L.L. Liu, J.L. Han, L.S. Sun, Y Liu & X.Y. Liang	OK167726	OK168763	–	–
31	0–20 cm	20200729-1-(1)_0–20 cm_B_R2_SC1	CSF20600	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han, L.S. Sun, Y Liu & X.Y. Liang	OK167235	OK168272	–	–
31	0–20 cm	20200729-1-(1)_0–20 cm_B_R2_SC2	CSF20601	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han, L.S. Sun, Y Liu & X.Y. Liang	OK167236	OK168273	–	–
31	40–60 cm	20200729-1-(1)_0–60 cm_A_R1_SC1	CSF20602	*C. orientalis*	AAAA	L.L. Liu, J.L. Han, L.S. Sun, Y Liu & X.Y. Liang	OK168057	OK169094	OK169186	OK169270
31	40–60 cm	20200729-1-(1)_0–60 cm_A_R1_SC2	CSF20603	*C. orientalis*	AAAA	L.L. Liu, J.L. Han, L.S. Sun, Y Liu & X.Y. Liang	OK168058	OK169095	OK169187	OK169271
31	40–60 cm	20200729-1-(1)_0–60 cm_A_R1_SC3	CSF20604	*C. orientalis*	AA--	L.L. Liu, J.L. Han, L.S. Sun, Y Liu & X.Y. Liang	OK168059	OK169096	–	–
31	40–60 cm	20200729-1-(1)_0–60 cm_A_R1_SC4	CSF20605	*C. orientalis*	AA--	L.L. Liu, J.L. Han, L.S. Sun, Y Liu & X.Y. Liang	OK168060	OK169097	–	–
31	40–60 cm	20200729-1-(1)_0–60 cm_B_R1_SC1	CSF20606	*C. orientalis*	AAAA	L.L. Liu, J.L. Han, L.S. Sun, Y Liu & X.Y. Liang	OK168061	OK169098	OK169188	OK169272
31	40–60 cm	20200729-1-(1)_0–60 cm_B_R1_SC2	CSF20607	*C. orientalis*	AAAA	L.L. Liu, J.L. Han, L.S. Sun, Y Liu & X.Y. Liang	OK168062	OK169099	OK169189	OK169273
31	40–60 cm	20200729-1-(1)_0–60 cm_B_R1_SC3	CSF20608	*C. orientalis*	AA--	L.L. Liu, J.L. Han, L.S. Sun, Y Liu & X.Y. Liang	OK168063	OK169100	–	–
31	40–60 cm	20200729-1-(1)_0–60 cm_B_R2_SC1	CSF20610	*C. orientalis*	AAAA	L.L. Liu, J.L. Han, L.S. Sun, Y Liu & X.Y. Liang	OK168064	OK169101	OK169190	OK169274
31	40–60 cm	20200729-1-(1)_0–60 cm_B_R2_SC2	CSF20611	*C. orientalis*	AAAA	L.L. Liu, J.L. Han, L.S. Sun, Y Liu & X.Y. Liang	OK168065	OK169102	OK169191	OK169275
31	40–60 cm	20200729-1-(1)_0–60 cm_B_R2_SC3	CSF20612	*C. orientalis*	AA--	L.L. Liu, J.L. Han, L.S. Sun, Y Liu & X.Y. Liang	OK168066	OK169103	–	–

31	40–60 cm	20200729-1-(1)_0–60 cm_B_R2_SC4	CSF20613	*C. orientalis*	AA--	L.L. Liu, J.L. Han, L.S. Sun, Y Liu & X.Y. Liang	OK168067	OK169104	–	–
31	60–80 cm	20200729-1-(1)_0–80 cm_B_R1_SC1	CSF20614	*C. orientalis*	AAAA	L.L. Liu, J.L. Han, L.S. Sun, Y Liu & X.Y. Liang	OK168068	OK169105	OK169192	OK169276
31	60–80 cm	20200729-1-(1)_0–80 cm_B_R1_SC2	CSF20615	*C. orientalis*	AAAA	L.L. Liu, J.L. Han, L.S. Sun, Y Liu & X.Y. Liang	OK168069	OK169106	OK169193	OK169277
31	60–80 cm	20200729-1-(1)_0–80 cm_B_R1_SC3	CSF20616	*C. orientalis*	AA--	L.L. Liu, J.L. Han, L.S. Sun, Y Liu & X.Y. Liang	OK168070	OK169107	–	–
31	60–80 cm	20200729-1-(1)_0–80 cm_B_R1_SC4	CSF20617	*C. orientalis*	AA--	L.L. Liu, J.L. Han, L.S. Sun, Y Liu & X.Y. Liang	OK168071	OK169108	–	–
32	0–20 cm	20200729-1-(2)_0–20 cm_A_R1_SC1	CSF20618	*C. ilicicola*	ABAA	L.L. Liu, J.L. Han, L.S. Sun, Y Liu & X.Y. Liang	OK168034	OK169071	OK169176	OK169260
32	0–20 cm	20200729-1-(2)_0–20 cm_A_R1_SC2	CSF20619	*C. ilicicola*	AB--	L.L. Liu, J.L. Han, L.S. Sun, Y Liu & X.Y. Liang	OK168035	OK169072	–	–
32	0–20 cm	20200729-1-(2)_0–20 cm_A_R2_SC1	CSF20620	*C. ilicicola*	ABAA	L.L. Liu, J.L. Han, L.S. Sun, Y Liu & X.Y. Liang	OK168036	OK169073	OK169177	OK169261
32	0–20 cm	20200729-1-(2)_0–20 cm_A_R2_SC2	CSF20621	*C. ilicicola*	AB--	L.L. Liu, J.L. Han, L.S. Sun, Y Liu & X.Y. Liang	OK168037	OK169074	–	–
32	0–20 cm	20200729-1-(2)_0–20 cm_B_R1_SC1	CSF20622	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han, L.S. Sun, Y Liu & X.Y. Liang	OK167237	OK168274	–	–
32	0–20 cm	20200729-1-(2)_0–20 cm_B_R1_SC2	CSF20623	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han, L.S. Sun, Y Liu & X.Y. Liang	OK167238	OK168275	–	–
32	20–40 cm	20200729-1-(2)_0–40 cm_A_R1_SC1	CSF20624	*C. ilicicola*	ABAA	L.L. Liu, J.L. Han, L.S. Sun, Y Liu & X.Y. Liang	OK168038	OK169075	OK169178	OK169262
32	20–40 cm	20200729-1-(2)_0–40 cm_A_R1_SC2	CSF20625	*C. ilicicola*	AB--	L.L. Liu, J.L. Han, L.S. Sun, Y Liu & X.Y. Liang	OK168039	OK169076	–	–
32	20–40 cm	20200729-1-(2)_0–40 cm_A_R1_SC3	CSF20626	*C. ilicicola*	AB--	L.L. Liu, J.L. Han, L.S. Sun, Y Liu & X.Y. Liang	OK168040	OK169077	–	–
32	20–40 cm	20200729-1-(2)_0–40 cm_A_R1_SC4	CSF20627	*C. ilicicola*	AB--	L.L. Liu, J.L. Han, L.S. Sun, Y Liu & X.Y. Liang	OK168041	OK169078	–	–
32	20–40 cm	20200729-1-(2)_0–40 cm_A_R2_SC1	CSF20628	*C. hongkongensis*	DA--	L.L. Liu, J.L. Han, L.S. Sun, Y Liu & X.Y. Liang	OK167682	OK168719	–	–
32	20–40 cm	20200729-1-(2)_0–40 cm_A_R2_SC2	CSF20629	*C. hongkongensis*	DA--	L.L. Liu, J.L. Han, L.S. Sun, Y Liu & X.Y. Liang	OK167683	OK168720	–	–

32	20–40 cm	20200729-1-(2)_0–40 cm_A_R2_SC3	CSF20630	*C. hongkongensis*	DA--	L.L. Liu, J.L. Han, L.S. Sun, Y Liu & X.Y. Liang	OK167684	OK168721	–	–
32	20–40 cm	20200729-1-(2)_0–40 cm_A_R2_SC4	CSF20631	*C. hongkongensis*	DA--	L.L. Liu, J.L. Han, L.S. Sun, Y Liu & X.Y. Liang	OK167685	OK168722	–	–
35	0–20 cm	20200729-1-(5)_0–20 cm_A_R2_SC1	CSF20632	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han, L.S. Sun, Y Liu & X.Y. Liang	OK167239	OK168276	–	–
35	0–20 cm	20200729-1-(5)_0–20 cm_A_R2_SC2	CSF20633	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han, L.S. Sun, Y Liu & X.Y. Liang	OK167240	OK168277	–	–
35	0–20 cm	20200729-1-(5)_0–20 cm_B_R1_SC1	CSF20634	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han, L.S. Sun, Y Liu & X.Y. Liang	OK167241	OK168278	–	–
35	0–20 cm	20200729-1-(5)_0–20 cm_B_R1_SC2	CSF20635	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han, L.S. Sun, Y Liu & X.Y. Liang	OK167242	OK168279	–	–
36	0–20 cm	20200730-1-(1)_0–20 cm_A_R1_SC1	CSF20636	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167243	OK168280	–	–
36	0–20 cm	20200730-1-(1)_0–20 cm_A_R1_SC2	CSF20637	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167244	OK168281	–	–
36	0–20 cm	20200730-1-(1)_0–20 cm_A_R2_SC1	CSF20638	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167727	OK168764	–	–
36	0–20 cm	20200730-1-(1)_0–20 cm_B_R2_SC1	CSF20640	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167245	OK168282	–	–
36	0–20 cm	20200730-1-(1)_0–20 cm_B_R2_SC2	CSF20641	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167246	OK168283	–	–
37	0–20 cm	20200730-1-(2)_0–20 cm_A_R1_SC1	CSF20642	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167728	OK168765	–	–
37	0–20 cm	20200730-1-(2)_0–20 cm_A_R1_SC2	CSF20643	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167729	OK168766	–	–
37	0–20 cm	20200730-1-(2)_0–20 cm_A_R2_SC1	CSF20644	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167887	OK168924	–	–
37	0–20 cm	20200730-1-(2)_0–20 cm_A_R2_SC2	CSF20645	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167888	OK168925	–	–
37	0–20 cm	20200730-1-(2)_0–20 cm_B_R1_SC1	CSF20646	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167730	OK168767	–	–
37	0–20 cm	20200730-1-(2)_0–20 cm_B_R1_SC2	CSF20647	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167731	OK168768	–	–

37	0–20 cm	20200730-1-(2)_0–20 cm_B_R2_SC1	CSF20648	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167732	OK168769	–	–
37	0–20 cm	20200730-1-(2)_0–20 cm_B_R2_SC2	CSF20649	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167733	OK168770	–	–
39	0–20 cm	20200730-1-(4)_0–20 cm_A_R1_SC1	CSF20650	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167247	OK168284	–	–
39	0–20 cm	20200730-1-(4)_0–20 cm_A_R1_SC2	CSF20651	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167248	OK168285	–	–
39	0–20 cm	20200730-1-(4)_0–20 cm_A_R2_SC1	CSF20652	*C. kyotensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167955	OK168992	–	–
39	0–20 cm	20200730-1-(4)_0–20 cm_A_R2_SC2	CSF20653	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167249	OK168286	–	–
39	0–20 cm	20200730-1-(4)_0–20 cm_B_R1_SC1	CSF20654	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167889	OK168926	–	–
39	0–20 cm	20200730-1-(4)_0–20 cm_B_R1_SC2	CSF20655	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167890	OK168927	–	–
39	0–20 cm	20200730-1-(4)_0–20 cm_B_R2_SC1	CSF20656	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167891	OK168928	–	–
39	0–20 cm	20200730-1-(4)_0–20 cm_B_R2_SC2	CSF20657	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167892	OK168929	–	–
39	20–40 cm	20200730-1-(4)_0–40 cm_B_R2_SC1	CSF20658	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167250	OK168287	–	–
39	20–40 cm	20200730-1-(4)_0–40 cm_B_R2_SC3	CSF20660	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167251	OK168288	–	–
39	20–40 cm	20200730-1-(4)_0–40 cm_B_R2_SC4	CSF20661	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167252	OK168289	–	–
39	20–40 cm	20200730-1-(4)_0–40 cm_B_R2_SC5	CSF20662	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167253	OK168290	–	–
40	0–20 cm	20200730-1-(5)_0–20 cm_B_R1_SC1	CSF20665	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167734	OK168771	–	–
40	0–20 cm	20200730-1-(5)_0–20 cm_B_R1_SC2	CSF20666	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167735	OK168772	–	–
40	0–20 cm	20200730-1-(5)_0–20 cm_B_R2_SC1	CSF20667	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167254	OK168291	–	–

40	0–20 cm	20200730-1-(5)_0–20 cm_B_R2_SC2	CSF20668	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167255	OK168292	–	–
41	0–20 cm	20200730-1-(6)_0–20 cm_A_R1_SC1	CSF20669	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167256	OK168293	–	–
41	0–20 cm	20200730-1-(6)_0–20 cm_A_R1_SC2	CSF20670	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167257	OK168294	–	–
41	0–20 cm	20200730-1-(6)_0–20 cm_A_R2_SC1	CSF20671	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167258	OK168295	–	–
41	0–20 cm	20200730-1-(6)_0–20 cm_A_R2_SC2	CSF20672	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167259	OK168296	–	–
41	0–20 cm	20200730-1-(6)_0–20 cm_B_R1_SC1	CSF20673	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167260	OK168297	–	–
41	0–20 cm	20200730-1-(6)_0–20 cm_B_R1_SC2	CSF20674	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167261	OK168298	–	–
42	0–20 cm	20200730-1-(7)_0–20 cm_A_R1_SC1	CSF20675	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167262	OK168299	–	–
42	0–20 cm	20200730-1-(7)_0–20 cm_A_R1_SC2	CSF20676	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167263	OK168300	–	–
42	0–20 cm	20200730-1-(7)_0–20 cm_A_R2_SC1	CSF20677	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167264	OK168301	–	–
42	0–20 cm	20200730-1-(7)_0–20 cm_A_R2_SC2	CSF20678	*C. hongkongensis*	AG--	L.L. Liu, J.L. Han & L.S. Sun	OK167636	OK168673	–	–
42	0–20 cm	20200730-1-(7)_0–20 cm_B_R1_SC1	CSF20679	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167265	OK168302	–	–
42	0–20 cm	20200730-1-(7)_0–20 cm_B_R1_SC2	CSF20680	*C. hongkongensis*	AG--	L.L. Liu, J.L. Han & L.S. Sun	OK167637	OK168674	–	–
42	0–20 cm	20200730-1-(7)_0–20 cm_B_R2_SC1	CSF20681	*C. hongkongensis*	AG--	L.L. Liu, J.L. Han & L.S. Sun	OK167638	OK168675	–	–
42	0–20 cm	20200730-1-(7)_0–20 cm_B_R2_SC2	CSF20682	*C. hongkongensis*	AG--	L.L. Liu, J.L. Han & L.S. Sun	OK167639	OK168676	–	–
43	0–20 cm	20200730-1-(8)_0–20 cm_A_R1_SC1	CSF20683	*C. hongkongensis*	AG--	L.L. Liu, J.L. Han & L.S. Sun	OK167640	OK168677	–	–
43	0–20 cm	20200730-1-(8)_0–20 cm_A_R1_SC2	CSF20684	*C. hongkongensis*	AG--	L.L. Liu, J.L. Han & L.S. Sun	OK167641	OK168678	–	–

43	0–20 cm	20200730-1-(8)_0–20 cm_A_R2_SC1	CSF20685	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167266	OK168303	–	–
43	0–20 cm	20200730-1-(8)_0–20 cm_A_R2_SC2	CSF20686	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167267	OK168304	–	–
43	0–20 cm	20200730-1-(8)_0–20 cm_B_R1_SC1	CSF20687	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167268	OK168305	–	–
43	0–20 cm	20200730-1-(8)_0–20 cm_B_R1_SC2	CSF20688	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167269	OK168306	–	–
43	0–20 cm	20200730-1-(8)_0–20 cm_B_R2_SC1	CSF20689	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167270	OK168307	–	–
43	0–20 cm	20200730-1-(8)_0–20 cm_B_R2_SC2	CSF20690	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167271	OK168308	–	–
44	0–20 cm	20200731-1-(1)_0–20 cm_A_R1_SC1	CSF20691	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167272	OK168309	–	–
44	0–20 cm	20200731-1-(1)_0–20 cm_A_R1_SC2	CSF20692	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167273	OK168310	–	–
44	0–20 cm	20200731-1-(1)_0–20 cm_A_R2_SC1	CSF20693	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167274	OK168311	–	–
44	0–20 cm	20200731-1-(1)_0–20 cm_A_R2_SC2	CSF20694	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167275	OK168312	–	–
44	0–20 cm	20200731-1-(1)_0–20 cm_B_R1_SC1	CSF20695	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167276	OK168313	–	–
44	0–20 cm	20200731-1-(1)_0–20 cm_B_R1_SC2	CSF20696	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167277	OK168314	–	–
44	0–20 cm	20200731-1-(1)_0–20 cm_B_R2_SC1	CSF20697	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167278	OK168315	–	–
44	0–20 cm	20200731-1-(1)_0–20 cm_B_R2_SC2	CSF20698	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167279	OK168316	–	–
45	0–20 cm	20200731-1-(2)_0–20 cm_A_R1_SC1	CSF20699	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167736	OK168773	–	–
45	0–20 cm	20200731-1-(2)_0–20 cm_A_R1_SC2	CSF20700	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167737	OK168774	–	–
45	0–20 cm	20200731-1-(2)_0–20 cm_A_R2_SC1	CSF20701	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167738	OK168775	–	–

45	0–20 cm	20200731-1-(2)_0–20 cm_A_R2_SC2	CSF20702	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167280	OK168317	–	–
45	0–20 cm	20200731-1-(2)_0–20 cm_B_R1_SC1	CSF20703	*C. ilicicola*	ABAA	L.L. Liu, J.L. Han & L.S. Sun	OK168042	OK169079	OK169179	OK169263
45	0–20 cm	20200731-1-(2)_0–20 cm_B_R1_SC2	CSF20704	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167281	OK168318	–	–
45	0–20 cm	20200731-1-(2)_0–20 cm_B_R2_SC1	CSF20705	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167739	OK168776	–	–
46	0–20 cm	20200731-1-(3)_0–20 cm_A_R1_SC1	CSF20707	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167282	OK168319	–	–
46	0–20 cm	20200731-1-(3)_0–20 cm_A_R1_SC2	CSF20708	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167283	OK168320	–	–
46	0–20 cm	20200731-1-(3)_0–20 cm_B_R1_SC1	CSF20709	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167284	OK168321	–	–
46	0–20 cm	20200731-1-(3)_0–20 cm_B_R1_SC2	CSF20710	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167285	OK168322	–	–
46	0–20 cm	20200731-1-(3)_0–20 cm_B_R2_SC1	CSF20711	*C. hongkongensis*	AG--	L.L. Liu, J.L. Han & L.S. Sun	OK167642	OK168679	–	–
46	0–20 cm	20200731-1-(3)_0–20 cm_B_R2_SC2	CSF20712	*C. hongkongensis*	AG--	L.L. Liu, J.L. Han & L.S. Sun	OK167643	OK168680	–	–
47	0–20 cm	20200731-1-(4)_0–20 cm_A_R2_SC1	CSF20713	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167740	OK168777	–	–
47	0–20 cm	20200731-1-(4)_0–20 cm_A_R2_SC2	CSF20714	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167741	OK168778	–	–
47	0–20 cm	20200731-1-(4)_0–20 cm_B_R1_SC1	CSF20715	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167742	OK168779	–	–
47	0–20 cm	20200731-1-(4)_0–20 cm_B_R1_SC2	CSF20716	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167743	OK168780	–	–
47	20–40 cm	20200731-1-(4)_0–40 cm_A_R2_SC1	CSF20717	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167744	OK168781	–	–
47	20–40 cm	20200731-1-(4)_0–40 cm_A_R2_SC2	CSF20718	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167745	OK168782	–	–
47	20–40 cm	20200731-1-(4)_0–40 cm_A_R2_SC3	CSF20719	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167746	OK168783	–	–

47	20–40 cm	20200731-1-(4)_0–40 cm_A_R2_SC4	CSF20720	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167747	OK168784	–	–
48	0–20 cm	20200731-1-(5)_0–20 cm_A_R2_SC1	CSF20721	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167748	OK168785	–	–
48	0–20 cm	20200731-1-(5)_0–20 cm_A_R2_SC2	CSF20722	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167749	OK168786	–	–
48	0–20 cm	20200731-1-(5)_0–20 cm_B_R2_SC1	CSF20723	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167750	OK168787	–	–
48	0–20 cm	20200731-1-(5)_0–20 cm_B_R2_SC2	CSF20724	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167751	OK168788	–	–
49	0–20 cm	20200731-1-(6)_0–20 cm_A_R1_SC1	CSF20725	*C. hongkongensis*	DA--	L.L. Liu, J.L. Han & L.S. Sun	OK167686	OK168723	–	–
49	0–20 cm	20200731-1-(6)_0–20 cm_A_R1_SC2	CSF20726	*C. hongkongensis*	DA--	L.L. Liu, J.L. Han & L.S. Sun	OK167687	OK168724	–	–
49	0–20 cm	20200731-1-(6)_0–20 cm_B_R2_SC1	CSF20727	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167752	OK168789	–	–
50	0–20 cm	20200731-1-(7)_0–20 cm_A_R1_SC1	CSF20729	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167286	OK168323	–	–
50	0–20 cm	20200731-1-(7)_0–20 cm_B_R1_SC1	CSF20730	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167287	OK168324	–	–
50	0–20 cm	20200731-1-(7)_0–20 cm_B_R1_SC2	CSF20731	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167288	OK168325	–	–
50	0–20 cm	20200731-1-(7)_0–20 cm_B_R2_SC1	CSF20732	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167289	OK168326	–	–
50	0–20 cm	20200731-1-(7)_0–20 cm_B_R2_SC2	CSF20733	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167290	OK168327	–	–
51	0–20 cm	20200809-1-(1)_0–20 cm_A_R1_SC1	CSF20734	*C. hongkongensis*	BAAA	L.L. Liu, J.L. Han & L.S. Sun	OK167652	OK168689	OK169137	OK169221
51	0–20 cm	20200809-1-(1)_0–20 cm_A_R1_SC2	CSF20735	*C. hongkongensis*	BA--	L.L. Liu, J.L. Han & L.S. Sun	OK167653	OK168690	–	–
51	0–20 cm	20200809-1-(1)_0–20 cm_A_R2_SC1	CSF20736	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167291	OK168328	–	–
51	0–20 cm	20200809-1-(1)_0–20 cm_A_R2_SC2	CSF20737	*C. hongkongensis*	BA--	L.L. Liu, J.L. Han & L.S. Sun	OK167654	OK168691	–	–

51	0–20 cm	20200809-1-(1)_0–20 cm_B_R1_SC1	CSF20738	*C. hongkongensis*	BA--	L.L. Liu, J.L. Han & L.S. Sun	OK167655	OK168692	–	–
51	0–20 cm	20200809-1-(1)_0–20 cm_B_R1_SC2	CSF20739	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167292	OK168329	–	–
51	0–20 cm	20200809-1-(1)_0–20 cm_B_R2_SC1	CSF20740	*C. hongkongensis*	BA--	L.L. Liu, J.L. Han & L.S. Sun	OK167656	OK168693	–	–
51	0–20 cm	20200809-1-(1)_0–20 cm_B_R2_SC2	CSF20741	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167293	OK168330	–	–
51	20–40 cm	20200809-1-(1)_0–40 cm_A_R1_SC1	CSF20742	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167753	OK168790	–	–
51	20–40 cm	20200809-1-(1)_0–40 cm_A_R1_SC2	CSF20743	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167754	OK168791	–	–
51	20–40 cm	20200809-1-(1)_0–40 cm_A_R1_SC4	CSF20745	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167755	OK168792	–	–
51	20–40 cm	20200809-1-(1)_0–40 cm_A_R1_SC5	CSF20746	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167756	OK168793	–	–
51	20–40 cm	20200809-1-(1)_0–40 cm_A_R2_SC1	CSF20750	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167757	OK168794	–	–
51	20–40 cm	20200809-1-(1)_0–40 cm_A_R2_SC2	CSF20751	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167758	OK168795	–	–
51	20–40 cm	20200809-1-(1)_0–40 cm_A_R2_SC3	CSF20752	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167759	OK168796	–	–
51	20–40 cm	20200809-1-(1)_0–40 cm_A_R2_SC4	CSF20753	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167760	OK168797	–	–
52	0–20 cm	20200809-1-(2)_0–20 cm_A_R1_SC1	CSF20754	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167294	OK168331	–	–
52	0–20 cm	20200809-1-(2)_0–20 cm_A_R1_SC2	CSF20755	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167295	OK168332	–	–
52	0–20 cm	20200809-1-(2)_0–20 cm_A_R2_SC1	CSF20756	*C. chinensis*	AAAA	L.L. Liu, J.L. Han & L.S. Sun	OK168055	OK169092	OK169184	OK169268
52	0–20 cm	20200809-1-(2)_0–20 cm_A_R2_SC2	CSF20757	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167296	OK168333	–	–
52	0–20 cm	20200809-1-(2)_0–20 cm_A_R2_SC3	CSF20758	*C. hongkongensis*	ABA-	L.L. Liu, J.L. Han & L.S. Sun	OK167596	OK168633	OK169113	–

52	0–20 cm	20200809-1-(2)_0–20 cm_A_R2_SC4	CSF20759	*C. chinensis*	AAAA	L.L. Liu, J.L. Han & L.S. Sun	OK168056	OK169093	OK169185	OK169269
52	0–20 cm	20200809-1-(2)_0–20 cm_B_R1_SC1	CSF20760	*C. hongkongensis*	AHAA	L.L. Liu, J.L. Han & L.S. Sun	OK167645	OK168682	OK169132	OK169216
52	0–20 cm	20200809-1-(2)_0–20 cm_B_R1_SC2	CSF20761	*C. hongkongensis*	AHAA	L.L. Liu, J.L. Han & L.S. Sun	OK167646	OK168683	OK169133	OK169217
52	0–20 cm	20200809-1-(2)_0–20 cm_B_R2_SC1	CSF20762	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167297	OK168334	–	–
52	0–20 cm	20200809-1-(2)_0–20 cm_B_R2_SC2	CSF20763	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167298	OK168335	–	–
53	0–20 cm	20200809-1-(3)_0–20 cm_A_R1_SC2	CSF20765	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167299	OK168336	–	–
53	0–20 cm	20200809-1-(3)_0–20 cm_A_R1_SC3	CSF20766	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167300	OK168337	–	–
53	0–20 cm	20200809-1-(3)_0–20 cm_A_R1_SC4	CSF20767	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167301	OK168338	–	–
53	0–20 cm	20200809-1-(3)_0–20 cm_A_R2_SC1	CSF20768	*C. kyotensis*	AB--	L.L. Liu, J.L. Han & L.S. Sun	OK167991	OK169028	–	–
53	0–20 cm	20200809-1-(3)_0–20 cm_A_R2_SC2	CSF20769	*C. kyotensis*	AB--	L.L. Liu, J.L. Han & L.S. Sun	OK167992	OK169029	–	–
53	0–20 cm	20200809-1-(3)_0–20 cm_B_R1_SC1	CSF20770	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167302	OK168339	–	–
53	0–20 cm	20200809-1-(3)_0–20 cm_B_R1_SC2	CSF20771	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167303	OK168340	–	–
53	0–20 cm	20200809-1-(3)_0–20 cm_B_R2_SC1	CSF20772	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167304	OK168341	–	–
53	0–20 cm	20200809-1-(3)_0–20 cm_B_R2_SC2	CSF20773	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167305	OK168342	–	–
54	0–20 cm	20200809-1-(4)_0–20 cm_B_R2_SC1	CSF20774	*C. kyotensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167956	OK168993	–	–
54	0–20 cm	20200809-1-(4)_0–20 cm_B_R2_SC2	CSF20775	*C. kyotensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167957	OK168994	–	–
55	0–20 cm	20200809-1-(5)_0–20 cm_A_R1_SC1	CSF20776	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167306	OK168343	–	–

55	0–20 cm	20200809-1-(5)_0–20 cm_A_R1_SC2	CSF20777	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167307	OK168344	–	–
55	0–20 cm	20200809-1-(5)_0–20 cm_B_R1_SC2	CSF20779	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167308	OK168345	–	–
55	0–20 cm	20200809-1-(5)_0–20 cm_B_R2_SC1	CSF20780	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167893	OK168930	–	–
55	40–60 cm	20200809-1-(5)_0–60 cm_B_R2_SC1	CSF20782	*C. hongkongensis*	AF--	L.L. Liu, J.L. Han & L.S. Sun	OK167618	OK168655	–	–
55	40–60 cm	20200809-1-(5)_0–60 cm_B_R2_SC2	CSF20783	*C. hongkongensis*	AF--	L.L. Liu, J.L. Han & L.S. Sun	OK167619	OK168656	–	–
55	40–60 cm	20200809-1-(5)_0–60 cm_B_R2_SC3	CSF20784	*C. hongkongensis*	AF--	L.L. Liu, J.L. Han & L.S. Sun	OK167620	OK168657	–	–
55	40–60 cm	20200809-1-(5)_0–60 cm_B_R2_SC4	CSF20785	*C. hongkongensis*	AF--	L.L. Liu, J.L. Han & L.S. Sun	OK167621	OK168658	–	–
56	0–20 cm	20200809-1-(6)_0–20 cm_A_R2_SC1	CSF20788	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167309	OK168346	–	–
56	0–20 cm	20200809-1-(6)_0–20 cm_A_R2_SC2	CSF20789	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167310	OK168347	–	–
56	0–20 cm	20200809-1-(6)_0–20 cm_B_R1_SC1	CSF20790	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167311	OK168348	–	–
56	0–20 cm	20200809-1-(6)_0–20 cm_B_R2_SC1	CSF20792	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167312	OK168349	–	–
56	0–20 cm	20200809-1-(6)_0–20 cm_B_R2_SC2	CSF20793	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167313	OK168350	–	–
57	0–20 cm	20200810-1-(1)_0–20 cm_A_R1_SC1	CSF20794	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167761	OK168798	–	–
57	0–20 cm	20200810-1-(1)_0–20 cm_A_R1_SC2	CSF20795	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167762	OK168799	–	–
57	0–20 cm	20200810-1-(1)_0–20 cm_A_R2_SC1	CSF20796	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167763	OK168800	–	–
57	0–20 cm	20200810-1-(1)_0–20 cm_A_R2_SC2	CSF20797	*C. hongkongensis*	DA--	L.L. Liu, J.L. Han & L.S. Sun	OK167688	OK168725	–	–
57	0–20 cm	20200810-1-(1)_0–20 cm_B_R1_SC1	CSF20798	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167314	OK168351	–	–

57	0–20 cm	20200810-1-(1)_0–20 cm_B_R1_SC2	CSF20799	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167315	OK168352	–	–
58	0–20 cm	20200810-1-(2)_0–20 cm_A_R1_SC1	CSF20800	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167316	OK168353	–	–
58	0–20 cm	20200810-1-(2)_0–20 cm_A_R1_SC2	CSF20801	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167317	OK168354	–	–
58	0–20 cm	20200810-1-(2)_0–20 cm_A_R2_SC1	CSF20802	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167318	OK168355	–	–
58	0–20 cm	20200810-1-(2)_0–20 cm_A_R2_SC2	CSF20803	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167319	OK168356	–	–
58	0–20 cm	20200810-1-(2)_0–20 cm_B_R1_SC1	CSF20804	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167320	OK168357	–	–
58	0–20 cm	20200810-1-(2)_0–20 cm_B_R1_SC2	CSF20805	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167321	OK168358	–	–
58	0–20 cm	20200810-1-(2)_0–20 cm_B_R2_SC1	CSF20806	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167322	OK168359	–	–
58	0–20 cm	20200810-1-(2)_0–20 cm_B_R2_SC2	CSF20807	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167323	OK168360	–	–
58	20–40 cm	20200810-1-(2)_0–40 cm_A_R1_SC1	CSF20808	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167324	OK168361	–	–
58	20–40 cm	20200810-1-(2)_0–40 cm_A_R1_SC2	CSF20809	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167325	OK168362	–	–
58	20–40 cm	20200810-1-(2)_0–40 cm_A_R1_SC3	CSF20810	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167326	OK168363	–	–
58	20–40 cm	20200810-1-(2)_0–40 cm_A_R1_SC4	CSF20811	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167327	OK168364	–	–
58	20–40 cm	20200810-1-(2)_0–40 cm_A_R2_SC1	CSF20812	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167328	OK168365	–	–
58	20–40 cm	20200810-1-(2)_0–40 cm_A_R2_SC2	CSF20813	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167329	OK168366	–	–
58	20–40 cm	20200810-1-(2)_0–40 cm_A_R2_SC3	CSF20814	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167330	OK168367	–	–
58	20–40 cm	20200810-1-(2)_0–40 cm_A_R2_SC4	CSF20815	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167331	OK168368	–	–

59	0–20 cm	20200810-1-(3)_0–20 cm_A_R1_SC1	CSF20816	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167332	OK168369	–	–
59	0–20 cm	20200810-1-(3)_0–20 cm_A_R1_SC2	CSF20817	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167333	OK168370	–	–
59	0–20 cm	20200810-1-(3)_0–20 cm_A_R2_SC1	CSF20818	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167334	OK168371	–	–
59	0–20 cm	20200810-1-(3)_0–20 cm_A_R2_SC2	CSF20819	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167335	OK168372	–	–
59	0–20 cm	20200810-1-(3)_0–20 cm_B_R1_SC1	CSF20820	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167336	OK168373	–	–
59	0–20 cm	20200810-1-(3)_0–20 cm_B_R1_SC2	CSF20821	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167337	OK168374	–	–
59	0–20 cm	20200810-1-(3)_0–20 cm_B_R2_SC1	CSF20822	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167338	OK168375	–	–
59	0–20 cm	20200810-1-(3)_0–20 cm_B_R2_SC2	CSF20823	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167339	OK168376	–	–
59	60–80 cm	20200810-1-(3)_0–80 cm_A_R1_SC1	CSF20824	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167764	OK168801	–	–
59	60–80 cm	20200810-1-(3)_0–80 cm_A_R1_SC2	CSF20825	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167765	OK168802	–	–
59	60–80 cm	20200810-1-(3)_0–80 cm_A_R1_SC3	CSF20826	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167766	OK168803	–	–
59	60–80 cm	20200810-1-(3)_0–80 cm_A_R1_SC4	CSF20827	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167767	OK168804	–	–
60	0–20 cm	20200810-1-(4)_0–20 cm_A_R1_SC1	CSF20832	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167340	OK168377	–	–
60	0–20 cm	20200810-1-(4)_0–20 cm_A_R1_SC2	CSF20833	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167768	OK168805	–	–
60	0–20 cm	20200810-1-(4)_0–20 cm_B_R1_SC1	CSF20834	*C. hongkongensis*	ADAA	L.L. Liu, J.L. Han & L.S. Sun	OK167604	OK168641	OK169120	OK169204
60	0–20 cm	20200810-1-(4)_0–20 cm_B_R1_SC2	CSF20835	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167769	OK168806	–	–
60	0–20 cm	20200810-1-(4)_0–20 cm_B_R2_SC1	CSF20836	*C. hongkongensis*	AD--	L.L. Liu, J.L. Han & L.S. Sun	OK167605	OK168642	–	–

60	0–20 cm	20200810-1-(4)_0–20 cm_B_R2_SC2	CSF20837	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167770	OK168807	–	–
61	0–20 cm	20200810-1-(5)_0–20 cm_A_R1_SC1	CSF20838	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167771	OK168808	–	–
61	0–20 cm	20200810-1-(5)_0–20 cm_A_R2_SC1	CSF20840	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167341	OK168378	–	–
61	0–20 cm	20200810-1-(5)_0–20 cm_A_R2_SC2	CSF20841	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167342	OK168379	–	–
61	0–20 cm	20200810-1-(5)_0–20 cm_B_R1_SC1	CSF20842	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167343	OK168380	–	–
61	0–20 cm	20200810-1-(5)_0–20 cm_B_R1_SC2	CSF20843	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167344	OK168381	–	–
61	0–20 cm	20200810-1-(5)_0–20 cm_B_R2_SC1	CSF20844	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167345	OK168382	–	–
61	0–20 cm	20200810-1-(5)_0–20 cm_B_R2_SC2	CSF20845	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167346	OK168383	–	–
61	20–40 cm	20200810-1-(5)_0–40 cm_A_R1_SC5	CSF20850	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167347	OK168384	–	–
61	20–40 cm	20200810-1-(5)_0–40 cm_A_R1_SC6	CSF20851	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167348	OK168385	–	–
61	20–40 cm	20200810-1-(5)_0–40 cm_A_R1_SC7	CSF20852	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167349	OK168386	–	–
61	20–40 cm	20200810-1-(5)_0–40 cm_A_R1_SC8	CSF20853	*C. ilicicola*	BBAA	L.L. Liu, J.L. Han & L.S. Sun	OK168043	OK169080	OK169180	OK169264
61	20–40 cm	20200810-1-(5)_0–40 cm_A_R2_SC1	CSF20854	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167350	OK168387	–	–
61	20–40 cm	20200810-1-(5)_0–40 cm_A_R2_SC2	CSF20855	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167351	OK168388	–	–
61	20–40 cm	20200810-1-(5)_0–40 cm_A_R2_SC3	CSF20856	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167352	OK168389	–	–
61	20–40 cm	20200810-1-(5)_0–40 cm_A_R2_SC4	CSF20857	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167353	OK168390	–	–
61	20–40 cm	20200810-1-(5)_0–40 cm_B_R1_SC1	CSF20858	*C. hongkongensis*	DA--	L.L. Liu, J.L. Han & L.S. Sun	OK167689	OK168726	–	–

61	20–40 cm	20200810-1-(5)_0–40 cm_B_R1_SC2	CSF20859	*C. hongkongensis*	DA--	L.L. Liu, J.L. Han & L.S. Sun	OK167690	OK168727	–	–
61	20–40 cm	20200810-1-(5)_0–40 cm_B_R1_SC3	CSF20860	*C. hongkongensis*	DA--	L.L. Liu, J.L. Han & L.S. Sun	OK167691	OK168728	–	–
61	20–40 cm	20200810-1-(5)_0–40 cm_B_R1_SC4	CSF20861	*C. hongkongensis*	DA--	L.L. Liu, J.L. Han & L.S. Sun	OK167692	OK168729	–	–
61	20–40 cm	20200810-1-(5)_0–40 cm_B_R2_SC1	CSF20862	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167354	OK168391	–	–
61	20–40 cm	20200810-1-(5)_0–40 cm_B_R2_SC2	CSF20863	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167355	OK168392	–	–
61	20–40 cm	20200810-1-(5)_0–40 cm_B_R2_SC3	CSF20864	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167356	OK168393	–	–
61	20–40 cm	20200810-1-(5)_0–40 cm_B_R2_SC4	CSF20865	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167357	OK168394	–	–
62	0–20 cm	20200810-1-(6)_0–20 cm_A_R1_SC1	CSF20866	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167772	OK168809	–	–
62	0–20 cm	20200810-1-(6)_0–20 cm_A_R1_SC2	CSF20867	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167773	OK168810	–	–
62	0–20 cm	20200810-1-(6)_0–20 cm_A_R2_SC1	CSF20868	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167774	OK168811	–	–
62	0–20 cm	20200810-1-(6)_0–20 cm_A_R2_SC2	CSF20869	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167775	OK168812	–	–
62	0–20 cm	20200810-1-(6)_0–20 cm_B_R1_SC1	CSF20870	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167776	OK168813	–	–
62	0–20 cm	20200810-1-(6)_0–20 cm_B_R1_SC2	CSF20871	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167777	OK168814	–	–
62	0–20 cm	20200810-1-(6)_0–20 cm_B_R2_SC1	CSF20872	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167778	OK168815	–	–
62	0–20 cm	20200810-1-(6)_0–20 cm_B_R2_SC2	CSF20873	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167779	OK168816	–	–
62	20–40 cm	20200810-1-(6)_0–40 cm_A_R1_SC1	CSF20874	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167780	OK168817	–	–
62	20–40 cm	20200810-1-(6)_0–40 cm_A_R1_SC2	CSF20875	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167781	OK168818	–	–

62	20–40 cm	20200810-1-(6)_0–40 cm_A_R1_SC3	CSF20876	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167782	OK168819	–	–
62	20–40 cm	20200810-1-(6)_0–40 cm_A_R1_SC4	CSF20877	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167783	OK168820	–	–
62	20–40 cm	20200810-1-(6)_0–40 cm_A_R2_SC1	CSF20878	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167894	OK168931	–	–
62	20–40 cm	20200810-1-(6)_0–40 cm_A_R2_SC2	CSF20879	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167784	OK168821	–	–
62	20–40 cm	20200810-1-(6)_0–40 cm_A_R2_SC3	CSF20880	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167785	OK168822	–	–
62	20–40 cm	20200810-1-(6)_0–40 cm_A_R2_SC4	CSF20881	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167786	OK168823	–	–
62	20–40 cm	20200810-1-(6)_0–40 cm_B_R1_SC1	CSF20882	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167895	OK168932	–	–
62	20–40 cm	20200810-1-(6)_0–40 cm_B_R1_SC2	CSF20883	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167896	OK168933	–	–
62	20–40 cm	20200810-1-(6)_0–40 cm_B_R1_SC3	CSF20884	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167787	OK168824	–	–
62	20–40 cm	20200810-1-(6)_0–40 cm_B_R1_SC4	CSF20885	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167897	OK168934	–	–
62	20–40 cm	20200810-1-(6)_0–40 cm_B_R2_SC1	CSF20886	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167788	OK168825	–	–
62	20–40 cm	20200810-1-(6)_0–40 cm_B_R2_SC2	CSF20887	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167789	OK168826	–	–
62	20–40 cm	20200810-1-(6)_0–40 cm_B_R2_SC3	CSF20888	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167790	OK168827	–	–
62	20–40 cm	20200810-1-(6)_0–40 cm_B_R2_SC4	CSF20889	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167791	OK168828	–	–
63	0–20 cm	20200810-1-(7)_0–20 cm_A_R1_SC1	CSF20890	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167358	OK168395	–	–
63	0–20 cm	20200810-1-(7)_0–20 cm_A_R1_SC2	CSF20891	*C. hongkongensis*	DA--	L.L. Liu, J.L. Han & L.S. Sun	OK167693	OK168730	–	–
63	0–20 cm	20200810-1-(7)_0–20 cm_A_R2_SC1	CSF20892	*C. kyotensis*	AB--	L.L. Liu, J.L. Han & L.S. Sun	OK167993	OK169030	–	–

63	0–20 cm	20200810-1-(7)_0–20 cm_A_R2_SC2	CSF20893	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167359	OK168396	–	–
63	0–20 cm	20200810-1-(7)_0–20 cm_B_R1_SC1	CSF20894	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167360	OK168397	–	–
63	0–20 cm	20200810-1-(7)_0–20 cm_B_R1_SC2	CSF20895	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167898	OK168935	–	–
63	0–20 cm	20200810-1-(7)_0–20 cm_B_R2_SC1	CSF20896	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167361	OK168398	–	–
63	0–20 cm	20200810-1-(7)_0–20 cm_B_R2_SC2	CSF20897	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167362	OK168399	–	–
63	20–40 cm	20200810-1-(7)_0–40 cm_B_R1_SC1	CSF20898	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167363	OK168400	–	–
63	20–40 cm	20200810-1-(7)_0–40 cm_B_R1_SC2	CSF20899	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167364	OK168401	–	–
63	20–40 cm	20200810-1-(7)_0–40 cm_B_R1_SC3	CSF20900	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167365	OK168402	–	–
63	20–40 cm	20200810-1-(7)_0–40 cm_B_R1_SC4	CSF20901	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167366	OK168403	–	–
64	0–20 cm	20200810-1-(8)_0–20 cm_A_R1_SC1	CSF20910	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167792	OK168829	–	–
64	0–20 cm	20200810-1-(8)_0–20 cm_A_R1_SC2	CSF20911	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167899	OK168936	–	–
64	0–20 cm	20200810-1-(8)_0–20 cm_A_R2_SC1	CSF20912	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167793	OK168830	–	–
64	0–20 cm	20200810-1-(8)_0–20 cm_A_R2_SC2	CSF20913	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167900	OK168937	–	–
64	0–20 cm	20200810-1-(8)_0–20 cm_B_R1_SC1	CSF20914	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167794	OK168831	–	–
64	0–20 cm	20200810-1-(8)_0–20 cm_B_R1_SC2	CSF20915	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167795	OK168832	–	–
64	0–20 cm	20200810-1-(8)_0–20 cm_B_R2_SC1	CSF20916	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167796	OK168833	–	–
64	0–20 cm	20200810-1-(8)_0–20 cm_B_R2_SC2	CSF20917	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167797	OK168834	–	–

64	20–40 cm	20200810-1-(8)_0–40 cm_B_R2_SC4	CSF20918	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167901	OK168938	–	–
64	40–60 cm	20200810-1-(8)_0–60 cm_B_R2_SC1	CSF20919	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167367	OK168404	–	–
64	40–60 cm	20200810-1-(8)_0–60 cm_B_R2_SC2	CSF20920	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167368	OK168405	–	–
64	40–60 cm	20200810-1-(8)_0–60 cm_B_R2_SC3	CSF20921	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167369	OK168406	–	–
64	40–60 cm	20200810-1-(8)_0–60 cm_B_R2_SC4	CSF20922	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167370	OK168407	–	–
65	0–20 cm	20200811-1-(1)_0–20 cm_A_R1_SC1	CSF20923	*C. hongkongensis*	AEAA	L.L. Liu, J.L. Han & L.S. Sun	OK167608	OK168645	OK169122	OK169206
65	0–20 cm	20200811-1-(1)_0–20 cm_A_R1_SC2	CSF20924	*C. hongkongensis*	AEAA	L.L. Liu, J.L. Han & L.S. Sun	OK167609	OK168646	OK169123	OK169207
65	0–20 cm	20200811-1-(1)_0–20 cm_A_R2_SC1	CSF20925	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167371	OK168408	–	–
65	0–20 cm	20200811-1-(1)_0–20 cm_A_R2_SC2	CSF20926	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167372	OK168409	–	–
66	0–20 cm	20200811-1-(2)_0–20 cm_A_R1_SC1	CSF20927	*C. kyotensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167958	OK168995	–	–
66	0–20 cm	20200811-1-(2)_0–20 cm_A_R1_SC2	CSF20928	*C. hongkongensis*	AD--	L.L. Liu, J.L. Han & L.S. Sun	OK167606	OK168643	–	–
66	0–20 cm	20200811-1-(2)_0–20 cm_A_R2_SC2	CSF20930	*C. kyotensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167959	OK168996	–	–
66	0–20 cm	20200811-1-(2)_0–20 cm_B_R1_SC1	CSF20931	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167373	OK168410	–	–
66	0–20 cm	20200811-1-(2)_0–20 cm_B_R1_SC2	CSF20932	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167374	OK168411	–	–
66	0–20 cm	20200811-1-(2)_0–20 cm_B_R2_SC1	CSF20933	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167375	OK168412	–	–
66	0–20 cm	20200811-1-(2)_0–20 cm_B_R2_SC2	CSF20934	*C. kyotensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167960	OK168997	–	–
67	0–20 cm	20200811-1-(3)_0–20 cm_A_R1_SC1	CSF20935	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167902	OK168939	–	–

67	0–20 cm	20200811-1-(3)_0–20 cm_A_R1_SC2	CSF20936	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167903	OK168940	–	–
67	0–20 cm	20200811-1-(3)_0–20 cm_A_R2_SC1	CSF20937	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167904	OK168941	–	–
67	0–20 cm	20200811-1-(3)_0–20 cm_A_R2_SC2	CSF20938	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167905	OK168942	–	–
67	0–20 cm	20200811-1-(3)_0–20 cm_B_R1_SC1	CSF20939	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167906	OK168943	–	–
67	0–20 cm	20200811-1-(3)_0–20 cm_B_R1_SC2	CSF20940	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167907	OK168944	–	–
67	0–20 cm	20200811-1-(3)_0–20 cm_B_R2_SC1	CSF20941	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167798	OK168835	–	–
67	0–20 cm	20200811-1-(3)_0–20 cm_B_R2_SC2	CSF20942	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167908	OK168945	–	–
67	20–40 cm	20200811-1-(3)_0–40 cm_A_R1_SC1	CSF20943	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167909	OK168946	–	–
67	20–40 cm	20200811-1-(3)_0–40 cm_A_R1_SC2	CSF20944	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167910	OK168947	–	–
67	20–40 cm	20200811-1-(3)_0–40 cm_A_R1_SC3	CSF20945	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167911	OK168948	–	–
67	20–40 cm	20200811-1-(3)_0–40 cm_A_R1_SC4	CSF20946	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167912	OK168949	–	–
67	20–40 cm	20200811-1-(3)_0–40 cm_A_R2_SC1	CSF20947	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167913	OK168950	–	–
67	20–40 cm	20200811-1-(3)_0–40 cm_A_R2_SC2	CSF20948	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167914	OK168951	–	–
67	20–40 cm	20200811-1-(3)_0–40 cm_A_R2_SC3	CSF20949	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167915	OK168952	–	–
67	20–40 cm	20200811-1-(3)_0–40 cm_A_R2_SC4	CSF20950	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167916	OK168953	–	–
67	20–40 cm	20200811-1-(3)_0–40 cm_B_R1_SC1	CSF20951	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167917	OK168954	–	–
67	20–40 cm	20200811-1-(3)_0–40 cm_B_R1_SC2	CSF20952	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167918	OK168955	–	–

67	20–40 cm	20200811-1-(3)_0–40 cm_B_R1_SC3	CSF20953	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167919	OK168956	–	–
67	20–40 cm	20200811-1-(3)_0–40 cm_B_R1_SC4	CSF20954	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167920	OK168957	–	–
67	20–40 cm	20200811-1-(3)_0–40 cm_B_R2_SC1	CSF20955	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167921	OK168958	–	–
67	20–40 cm	20200811-1-(3)_0–40 cm_B_R2_SC2	CSF20956	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167922	OK168959	–	–
67	20–40 cm	20200811-1-(3)_0–40 cm_B_R2_SC3	CSF20957	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167923	OK168960	–	–
67	20–40 cm	20200811-1-(3)_0–40 cm_B_R2_SC4	CSF20958	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167924	OK168961	–	–
67	40–60 cm	20200811-1-(3)_0–60 cm_A_R1_SC1	CSF20959	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167925	OK168962	–	–
67	40–60 cm	20200811-1-(3)_0–60 cm_A_R1_SC2	CSF20960	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167926	OK168963	–	–
67	40–60 cm	20200811-1-(3)_0–60 cm_A_R1_SC3	CSF20961	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167927	OK168964	–	–
67	40–60 cm	20200811-1-(3)_0–60 cm_A_R1_SC4	CSF20962	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167928	OK168965	–	–
67	40–60 cm	20200811-1-(3)_0–60 cm_A_R2_SC1	CSF20963	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167929	OK168966	–	–
67	40–60 cm	20200811-1-(3)_0–60 cm_A_R2_SC2	CSF20964	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167930	OK168967	–	–
67	40–60 cm	20200811-1-(3)_0–60 cm_A_R2_SC3	CSF20965	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167931	OK168968	–	–
67	40–60 cm	20200811-1-(3)_0–60 cm_A_R2_SC4	CSF20966	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167932	OK168969	–	–
67	40–60 cm	20200811-1-(3)_0–60 cm_B_R2_SC1	CSF20967	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167933	OK168970	–	–
67	40–60 cm	20200811-1-(3)_0–60 cm_B_R2_SC2	CSF20968	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167934	OK168971	–	–
67	40–60 cm	20200811-1-(3)_0–60 cm_B_R2_SC3	CSF20969	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167935	OK168972	–	–

67	40–60 cm	20200811-1-(3)_0–60 cm_B_R2_SC4	CSF20970	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167936	OK168973	–	–
68	0–20 cm	20200811-1-(4)_0–20 cm_A_R2_SC1	CSF20971	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167799	OK168836	–	–
68	0–20 cm	20200811-1-(4)_0–20 cm_A_R2_SC2	CSF20972	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167800	OK168837	–	–
68	0–20 cm	20200811-1-(4)_0–20 cm_B_R1_SC1	CSF20973	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167376	OK168413	–	–
68	0–20 cm	20200811-1-(4)_0–20 cm_B_R1_SC2	CSF20974	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167377	OK168414	–	–
68	20–40 cm	20200811-1-(4)_0–40 cm_A_R1_SC1	CSF20975	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167801	OK168838	–	–
68	20–40 cm	20200811-1-(4)_0–40 cm_A_R1_SC2	CSF20976	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167802	OK168839	–	–
68	20–40 cm	20200811-1-(4)_0–40 cm_A_R1_SC3	CSF20977	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167803	OK168840	–	–
68	20–40 cm	20200811-1-(4)_0–40 cm_A_R1_SC4	CSF20978	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167804	OK168841	–	–
68	20–40 cm	20200811-1-(4)_0–40 cm_A_R2_SC1	CSF20979	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167805	OK168842	–	–
68	20–40 cm	20200811-1-(4)_0–40 cm_A_R2_SC2	CSF20980	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167806	OK168843	–	–
68	20–40 cm	20200811-1-(4)_0–40 cm_A_R2_SC3	CSF20981	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167807	OK168844	–	–
68	20–40 cm	20200811-1-(4)_0–40 cm_A_R2_SC4	CSF20982	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167808	OK168845	–	–
68	20–40 cm	20200811-1-(4)_0–40 cm_B_R1_SC1	CSF20983	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167809	OK168846	–	–
68	20–40 cm	20200811-1-(4)_0–40 cm_B_R1_SC2	CSF20984	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167810	OK168847	–	–
68	20–40 cm	20200811-1-(4)_0–40 cm_B_R1_SC3	CSF20985	*C. aconidialis*	ABBA	L.L. Liu, J.L. Han & L.S. Sun	OK167856	OK168893	OK169152	OK169236
68	20–40 cm	20200811-1-(4)_0–40 cm_B_R2_SC1	CSF20987	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167811	OK168848	–	–

68	20–40 cm	20200811-1-(4)_0–40 cm_B_R2_SC2	CSF20988	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167812	OK168849	–	–
68	20–40 cm	20200811-1-(4)_0–40 cm_B_R2_SC3	CSF20989	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167813	OK168850	–	–
68	20–40 cm	20200811-1-(4)_0–40 cm_B_R2_SC4	CSF20990	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167814	OK168851	–	–
69	0–20 cm	20200811-1-(5)_0–20 cm_A_R1_SC1	CSF20991	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167378	OK168415	–	–
69	0–20 cm	20200811-1-(5)_0–20 cm_A_R1_SC2	CSF20992	*C. kyotensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167961	OK168998	–	–
69	0–20 cm	20200811-1-(5)_0–20 cm_B_R1_SC1	CSF20993	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167379	OK168416	–	–
69	0–20 cm	20200811-1-(5)_0–20 cm_B_R1_SC2	CSF20994	*C. kyotensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167962	OK168999	–	–
69	0–20 cm	20200811-1-(5)_0–20 cm_B_R2_SC1	CSF20995	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167815	OK168852	–	–
69	0–20 cm	20200811-1-(5)_0–20 cm_B_R2_SC2	CSF20996	*C. kyotensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167963	OK169000	–	–
69	20–40 cm	20200811-1-(5)_0–40 cm_A_R1_SC1	CSF20997	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167380	OK168417	–	–
69	20–40 cm	20200811-1-(5)_0–40 cm_A_R1_SC2	CSF20998	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167381	OK168418	–	–
69	20–40 cm	20200811-1-(5)_0–40 cm_A_R1_SC3	CSF20999	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167382	OK168419	–	–
69	20–40 cm	20200811-1-(5)_0–40 cm_A_R1_SC4	CSF21000	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167383	OK168420	–	–
69	40–60 cm	20200811-1-(5)_0–60 cm_B_R2_SC1	CSF21001	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167384	OK168421	–	–
69	40–60 cm	20200811-1-(5)_0–60 cm_B_R2_SC2	CSF21002	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167385	OK168422	–	–
69	40–60 cm	20200811-1-(5)_0–60 cm_B_R2_SC3	CSF21003	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167386	OK168423	–	–
69	40–60 cm	20200811-1-(5)_0–60 cm_B_R2_SC4	CSF21004	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167387	OK168424	–	–

70	0–20 cm	20200811-1-(6)_0–20 cm_A_R2_SC1	CSF21005	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167388	OK168425	–	–
70	0–20 cm	20200811-1-(6)_0–20 cm_A_R2_SC2	CSF21006	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167389	OK168426	–	–
70	0–20 cm	20200811-1-(6)_0–20 cm_B_R1_SC2	CSF21007	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167390	OK168427	–	–
70	0–20 cm	20200811-1-(6)_0–20 cm_B_R2_SC1	CSF21008	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167816	OK168853	–	–
70	0–20 cm	20200811-1-(6)_0–20 cm_B_R2_SC2	CSF21009	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167817	OK168854	–	–
70	20–40 cm	20200811-1-(6)_0–40 cm_A_R1_SC1	CSF21010	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167391	OK168428	–	–
70	20–40 cm	20200811-1-(6)_0–40 cm_A_R1_SC2	CSF21011	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167392	OK168429	–	–
70	20–40 cm	20200811-1-(6)_0–40 cm_A_R1_SC3	CSF21012	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167393	OK168430	–	–
70	20–40 cm	20200811-1-(6)_0–40 cm_A_R1_SC4	CSF21013	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167394	OK168431	–	–
71	0–20 cm	20200811-1-(7)_0–20 cm_A_R1_SC1	CSF21014	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167395	OK168432	–	–
71	0–20 cm	20200811-1-(7)_0–20 cm_A_R1_SC2	CSF21015	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167396	OK168433	–	–
71	0–20 cm	20200811-1-(7)_0–20 cm_A_R2_SC1	CSF21016	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167397	OK168434	–	–
71	0–20 cm	20200811-1-(7)_0–20 cm_A_R2_SC2	CSF21017	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167398	OK168435	–	–
71	0–20 cm	20200811-1-(7)_0–20 cm_B_R1_SC1	CSF21018	*C. hongkongensis*	AGAA	L.L. Liu, J.L. Han & L.S. Sun	OK167644	OK168681	OK169131	OK169215
71	0–20 cm	20200811-1-(7)_0–20 cm_B_R1_SC2	CSF21019	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167399	OK168436	–	–
71	0–20 cm	20200811-1-(7)_0–20 cm_B_R2_SC1	CSF21020	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167400	OK168437	–	–
71	0–20 cm	20200811-1-(7)_0–20 cm_B_R2_SC2	CSF21021	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167401	OK168438	–	–

71	20–40 cm	20200811-1-(7)_0–40 cm_A_R1_SC1	CSF21022	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167402	OK168439	–	–
71	20–40 cm	20200811-1-(7)_0–40 cm_A_R1_SC2	CSF21023	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167403	OK168440	–	–
71	20–40 cm	20200811-1-(7)_0–40 cm_A_R1_SC3	CSF21024	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167404	OK168441	–	–
71	20–40 cm	20200811-1-(7)_0–40 cm_A_R1_SC4	CSF21025	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167405	OK168442	–	–
71	20–40 cm	20200811-1-(7)_0–40 cm_A_R2_SC1	CSF21026	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167406	OK168443	–	–
71	20–40 cm	20200811-1-(7)_0–40 cm_A_R2_SC2	CSF21027	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167407	OK168444	–	–
71	20–40 cm	20200811-1-(7)_0–40 cm_A_R2_SC3	CSF21028	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167408	OK168445	–	–
71	20–40 cm	20200811-1-(7)_0–40 cm_A_R2_SC4	CSF21029	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167409	OK168446	–	–
71	20–40 cm	20200811-1-(7)_0–40 cm_B_R1_SC1	CSF21030	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167410	OK168447	–	–
71	20–40 cm	20200811-1-(7)_0–40 cm_B_R1_SC2	CSF21031	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167411	OK168448	–	–
71	20–40 cm	20200811-1-(7)_0–40 cm_B_R1_SC3	CSF21032	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167412	OK168449	–	–
71	20–40 cm	20200811-1-(7)_0–40 cm_B_R1_SC4	CSF21033	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167413	OK168450	–	–
72	0–20 cm	20200811-1-(8)_0–20 cm_A_R1_SC1	CSF21034	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167414	OK168451	–	–
72	0–20 cm	20200811-1-(8)_0–20 cm_A_R1_SC2	CSF21035	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167415	OK168452	–	–
72	20–40 cm	20200811-1-(8)_0–40 cm_A_R1_SC1	CSF21036	*C. kyotensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167964	OK169001	–	–
72	20–40 cm	20200811-1-(8)_0–40 cm_A_R1_SC2	CSF21037	*C. kyotensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167965	OK169002	–	–
72	20–40 cm	20200811-1-(8)_0–40 cm_A_R1_SC3	CSF21038	*C. kyotensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167966	OK169003	–	–

72	20–40 cm	20200811-1-(8)_0–40 cm_A_R1_SC4	CSF21039	*C. kyotensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167967	OK169004	–	–
72	20–40 cm	20200811-1-(8)_0–40 cm_B_R2_SC1	CSF21040	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167416	OK168453	–	–
72	20–40 cm	20200811-1-(8)_0–40 cm_B_R2_SC2	CSF21041	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167417	OK168454	–	–
72	20–40 cm	20200811-1-(8)_0–40 cm_B_R2_SC3	CSF21042	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167418	OK168455	–	–
72	20–40 cm	20200811-1-(8)_0–40 cm_B_R2_SC4	CSF21043	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167419	OK168456	–	–
73	0–20 cm	20200812-1-(1)_0–20 cm_A_R2_SC1	CSF21044	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167937	OK168974	–	–
73	0–20 cm	20200812-1-(1)_0–20 cm_A_R2_SC2	CSF21045	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167938	OK168975	–	–
73	0–20 cm	20200812-1-(1)_0–20 cm_B_R1_SC1	CSF21046	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167420	OK168457	–	–
73	0–20 cm	20200812-1-(1)_0–20 cm_B_R1_SC2	CSF21047	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167421	OK168458	–	–
73	20–40 cm	20200812-1-(1)_0–40 cm_A_R2_SC1	CSF21048	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167422	OK168459	–	–
73	20–40 cm	20200812-1-(1)_0–40 cm_A_R2_SC2	CSF21049	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167423	OK168460	–	–
73	20–40 cm	20200812-1-(1)_0–40 cm_A_R2_SC3	CSF21050	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167424	OK168461	–	–
73	20–40 cm	20200812-1-(1)_0–40 cm_A_R2_SC4	CSF21051	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167425	OK168462	–	–
74	0–20 cm	20200812-1-(2)_0–20 cm_A_R1_SC1	CSF21052	*C. ilicicola*	BBBA	L.L. Liu, J.L. Han & L.S. Sun	OK168044	OK169081	OK169181	OK169265
74	0–20 cm	20200812-1-(2)_0–20 cm_A_R1_SC2	CSF21053	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167426	OK168463	–	–
74	0–20 cm	20200812-1-(2)_0–20 cm_A_R2_SC1	CSF21054	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167427	OK168464	–	–
74	0–20 cm	20200812-1-(2)_0–20 cm_A_R2_SC2	CSF21055	*C. ilicicola*	BB--	L.L. Liu, J.L. Han & L.S. Sun	OK168045	OK169082	–	–

74	0–20 cm	20200812-1-(2)_0–20 cm_B_R1_SC1	CSF21056	*C. ilicicola*	BB--	L.L. Liu, J.L. Han & L.S. Sun	OK168046	OK169083	–	–
74	0–20 cm	20200812-1-(2)_0–20 cm_B_R1_SC2	CSF21057	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167428	OK168465	–	–
74	0–20 cm	20200812-1-(2)_0–20 cm_B_R2_SC1	CSF21058	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167429	OK168466	–	–
74	0–20 cm	20200812-1-(2)_0–20 cm_B_R2_SC2	CSF21059	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167430	OK168467	–	–
75	0–20 cm	20200812-1-(3)_0–20 cm_A_R1_SC1	CSF21060	*C. kyotensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167968	OK169005	–	–
75	0–20 cm	20200812-1-(3)_0–20 cm_A_R1_SC2	CSF21061	*C. kyotensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167969	OK169006	–	–
75	0–20 cm	20200812-1-(3)_0–20 cm_A_R2_SC1	CSF21062	*C. kyotensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167970	OK169007	–	–
75	0–20 cm	20200812-1-(3)_0–20 cm_A_R2_SC2	CSF21063	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167431	OK168468	–	–
75	0–20 cm	20200812-1-(3)_0–20 cm_B_R1_SC1	CSF21064	*C. kyotensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167971	OK169008	–	–
75	0–20 cm	20200812-1-(3)_0–20 cm_B_R1_SC2	CSF21065	*C. kyotensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167972	OK169009	–	–
75	0–20 cm	20200812-1-(3)_0–20 cm_B_R2_SC1	CSF21066	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167432	OK168469	–	–
75	0–20 cm	20200812-1-(3)_0–20 cm_B_R2_SC2	CSF21067	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167433	OK168470	–	–
75	60–80 cm	20200812-1-(3)_0–80 cm_A_R2_SC1	CSF21068	*C. kyotensis*	AB--	L.L. Liu, J.L. Han & L.S. Sun	OK167994	OK169031	–	–
75	60–80 cm	20200812-1-(3)_0–80 cm_A_R2_SC2	CSF21069	*C. kyotensis*	AB--	L.L. Liu, J.L. Han & L.S. Sun	OK167995	OK169032	–	–
75	60–80 cm	20200812-1-(3)_0–80 cm_A_R2_SC3	CSF21070	*C. kyotensis*	AB--	L.L. Liu, J.L. Han & L.S. Sun	OK167996	OK169033	–	–
75	60–80 cm	20200812-1-(3)_0–80 cm_A_R2_SC4	CSF21071	*C. kyotensis*	AB--	L.L. Liu, J.L. Han & L.S. Sun	OK167997	OK169034	–	–
76	0–20 cm	20200812-1-(4)_0–20 cm_A_R1_SC1	CSF21076	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167434	OK168471	–	–

76	0–20 cm	20200812-1-(4)_0–20 cm_A_R1_SC2	CSF21077	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167435	OK168472	–	–
76	0–20 cm	20200812-1-(4)_0–20 cm_A_R2_SC1	CSF21078	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167436	OK168473	–	–
76	0–20 cm	20200812-1-(4)_0–20 cm_A_R2_SC2	CSF21079	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167818	OK168855	–	–
76	0–20 cm	20200812-1-(4)_0–20 cm_B_R2_SC1	CSF21080	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167819	OK168856	–	–
76	0–20 cm	20200812-1-(4)_0–20 cm_B_R2_SC2	CSF21081	*C. kyotensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167973	OK169010	–	–
76	20–40 cm	20200812-1-(4)_0–40 cm_A_R1_SC1	CSF21082	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167437	OK168474	–	–
76	20–40 cm	20200812-1-(4)_0–40 cm_A_R1_SC2	CSF21083	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167438	OK168475	–	–
76	20–40 cm	20200812-1-(4)_0–40 cm_A_R1_SC3	CSF21084	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167439	OK168476	–	–
76	20–40 cm	20200812-1-(4)_0–40 cm_A_R1_SC4	CSF21085	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167440	OK168477	–	–
76	20–40 cm	20200812-1-(4)_0–40 cm_B_R2_SC1	CSF21086	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167441	OK168478	–	–
76	20–40 cm	20200812-1-(4)_0–40 cm_B_R2_SC2	CSF21087	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167442	OK168479	–	–
76	20–40 cm	20200812-1-(4)_0–40 cm_B_R2_SC3	CSF21088	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167443	OK168480	–	–
76	20–40 cm	20200812-1-(4)_0–40 cm_B_R2_SC4	CSF21089	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167444	OK168481	–	–
76	40–60 cm	20200812-1-(4)_0–60 cm_A_R2_SC1	CSF21090	*C. hongkongensis*	AF--	L.L. Liu, J.L. Han & L.S. Sun	OK167622	OK168659	–	–
76	40–60 cm	20200812-1-(4)_0–60 cm_A_R2_SC2	CSF21091	*C. hongkongensis*	AF--	L.L. Liu, J.L. Han & L.S. Sun	OK167623	OK168660	–	–
76	40–60 cm	20200812-1-(4)_0–60 cm_A_R2_SC3	CSF21092	*C. hongkongensis*	AF--	L.L. Liu, J.L. Han & L.S. Sun	OK167624	OK168661	–	–
77	0–20 cm	20200812-1-(5)_0–20 cm_A_R1_SC1	CSF21093	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167820	OK168857	–	–

77	0–20 cm	20200812-1-(5)_0–20 cm_A_R1_SC2	CSF21094	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167821	OK168858	–	–
77	0–20 cm	20200812-1-(5)_0–20 cm_A_R2_SC1	CSF21095	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167822	OK168859	–	–
77	0–20 cm	20200812-1-(5)_0–20 cm_A_R2_SC2	CSF21096	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167823	OK168860	–	–
77	0–20 cm	20200812-1-(5)_0–20 cm_B_R1_SC1	CSF21097	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167824	OK168861	–	–
77	0–20 cm	20200812-1-(5)_0–20 cm_B_R1_SC2	CSF21098	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167445	OK168482	–	–
77	0–20 cm	20200812-1-(5)_0–20 cm_B_R2_SC1	CSF21099	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167446	OK168483	–	–
77	0–20 cm	20200812-1-(5)_0–20 cm_B_R2_SC2	CSF21100	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167825	OK168862	–	–
77	20–40 cm	20200812-1-(5)_0–40 cm_B_R1_SC1	CSF21101	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167447	OK168484	–	–
77	20–40 cm	20200812-1-(5)_0–40 cm_B_R1_SC2	CSF21102	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167448	OK168485	–	–
77	20–40 cm	20200812-1-(5)_0–40 cm_B_R1_SC3	CSF21103	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167449	OK168486	–	–
77	20–40 cm	20200812-1-(5)_0–40 cm_B_R1_SC4	CSF21104	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167450	OK168487	–	–
78	0–20 cm	20200812-1-(6)_0–20 cm_A_R1_SC1	CSF21105	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167451	OK168488	–	–
78	0–20 cm	20200812-1-(6)_0–20 cm_A_R1_SC2	CSF21106	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167452	OK168489	–	–
78	0–20 cm	20200812-1-(6)_0–20 cm_A_R2_SC1	CSF21107	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167826	OK168863	–	–
78	0–20 cm	20200812-1-(6)_0–20 cm_A_R2_SC2	CSF21108	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167827	OK168864	–	–
78	0–20 cm	20200812-1-(6)_0–20 cm_B_R1_SC1	CSF21109	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167828	OK168865	–	–
78	0–20 cm	20200812-1-(6)_0–20 cm_B_R1_SC2	CSF21110	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167829	OK168866	–	–

78	0–20 cm	20200812-1-(6)_0–20 cm_B_R2_SC1	CSF21111	*C. kyotensis*	BAAA	L.L. Liu, J.L. Han & L.S. Sun	OK168006	OK169043	OK169170	OK169254
79	0–20 cm	20200812-1-(7)_0–20 cm_B_R1_SC1	CSF21112	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167453	OK168490	–	–
79	0–20 cm	20200812-1-(7)_0–20 cm_B_R1_SC2	CSF21113	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167454	OK168491	–	–
79	0–20 cm	20200812-1-(7)_0–20 cm_B_R2_SC1	CSF21114	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167455	OK168492	–	–
79	0–20 cm	20200812-1-(7)_0–20 cm_B_R2_SC2	CSF21115	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167456	OK168493	–	–
79	20–40 cm	20200812-1-(7)_0–40 cm_B_R2_SC2	CSF21117	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167457	OK168494	–	–
79	20–40 cm	20200812-1-(7)_0–40 cm_B_R2_SC3	CSF21118	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167458	OK168495	–	–
79	20–40 cm	20200812-1-(7)_0–40 cm_B_R2_SC4	CSF21119	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167459	OK168496	–	–
80	0–20 cm	20200812-1-(8)_0–20 cm_A_R1_SC1	CSF21120	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167460	OK168497	–	–
80	0–20 cm	20200812-1-(8)_0–20 cm_A_R1_SC2	CSF21121	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167461	OK168498	–	–
80	0–20 cm	20200812-1-(8)_0–20 cm_B_R1_SC1	CSF21122	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167462	OK168499	–	–
80	0–20 cm	20200812-1-(8)_0–20 cm_B_R1_SC2	CSF21123	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167463	OK168500	–	–
80	0–20 cm	20200812-1-(8)_0–20 cm_B_R2_SC1	CSF21124	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167464	OK168501	–	–
80	0–20 cm	20200812-1-(8)_0–20 cm_B_R2_SC2	CSF21125	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167465	OK168502	–	–
80	20–40 cm	20200812-1-(8)_0–40 cm_A_R2_SC1	CSF21126	*C. ilicicola*	AAAB	L.L. Liu, J.L. Han & L.S. Sun	OK168010	OK169047	OK169173	OK169257
80	20–40 cm	20200812-1-(8)_0–40 cm_A_R2_SC2	CSF21127	*C. ilicicola*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK168011	OK169048	–	–
80	20–40 cm	20200812-1-(8)_0–40 cm_A_R2_SC3	CSF21128	*C. ilicicola*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK168012	OK169049	–	–

80	20–40 cm	20200812-1-(8)_0–40 cm_A_R2_SC4	CSF21129	*C. ilicicola*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK168013	OK169050	–	–
81	0–20 cm	20200813-1-(1)_0–20 cm_A_R1_SC1	CSF21130	*C. hongkongensis*	DA--	L.L. Liu, J.L. Han & L.S. Sun	OK167694	OK168731	–	–
81	0–20 cm	20200813-1-(1)_0–20 cm_A_R1_SC2	CSF21131	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167466	OK168503	–	–
81	0–20 cm	20200813-1-(1)_0–20 cm_A_R2_SC1	CSF21132	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167467	OK168504	–	–
81	0–20 cm	20200813-1-(1)_0–20 cm_A_R2_SC2	CSF21133	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167468	OK168505	–	–
81	0–20 cm	20200813-1-(1)_0–20 cm_B_R1_SC1	CSF21134	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167469	OK168506	–	–
81	0–20 cm	20200813-1-(1)_0–20 cm_B_R1_SC2	CSF21135	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167470	OK168507	–	–
81	0–20 cm	20200813-1-(1)_0–20 cm_B_R2_SC1	CSF21136	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167830	OK168867	–	–
81	20–40 cm	20200813-1-(1)_0–40 cm_A_R2_SC1	CSF21138	*C. kyotensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167974	OK169011	–	–
81	20–40 cm	20200813-1-(1)_0–40 cm_A_R2_SC2	CSF21139	*C. kyotensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167975	OK169012	–	–
81	20–40 cm	20200813-1-(1)_0–40 cm_A_R2_SC3	CSF21140	*C. kyotensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167976	OK169013	–	–
81	20–40 cm	20200813-1-(1)_0–40 cm_A_R2_SC4	CSF21141	*C. kyotensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167977	OK169014	–	–
81	20–40 cm	20200813-1-(1)_0–40 cm_B_R1_SC1	CSF21142	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167471	OK168508	–	–
81	20–40 cm	20200813-1-(1)_0–40 cm_B_R1_SC2	CSF21143	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167472	OK168509	–	–
81	20–40 cm	20200813-1-(1)_0–40 cm_B_R1_SC3	CSF21144	*C. hongkongensis*	DA--	L.L. Liu, J.L. Han & L.S. Sun	OK167695	OK168732	–	–
81	20–40 cm	20200813-1-(1)_0–40 cm_B_R1_SC4	CSF21145	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167473	OK168510	–	–
81	20–40 cm	20200813-1-(1)_0–40 cm_B_R2_SC1	CSF21146	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167474	OK168511	–	–

81	20–40 cm	20200813-1-(1)_0–40 cm_B_R2_SC2	CSF21147	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167475	OK168512	–	–
81	20–40 cm	20200813-1-(1)_0–40 cm_B_R2_SC3	CSF21148	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167476	OK168513	–	–
81	20–40 cm	20200813-1-(1)_0–40 cm_B_R2_SC4	CSF21149	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167477	OK168514	–	–
82	0–20 cm	20200813-1-(2)_0–20 cm_A_R1_SC1	CSF21150	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167478	OK168515	–	–
82	0–20 cm	20200813-1-(2)_0–20 cm_A_R1_SC2	CSF21151	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167479	OK168516	–	–
82	0–20 cm	20200813-1-(2)_0–20 cm_A_R2_SC2	CSF21152	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167480	OK168517	–	–
82	0–20 cm	20200813-1-(2)_0–20 cm_B_R1_SC1	CSF21153	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167481	OK168518	–	–
82	0–20 cm	20200813-1-(2)_0–20 cm_B_R1_SC2	CSF21154	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167482	OK168519	–	–
82	0–20 cm	20200813-1-(2)_0–20 cm_B_R2_SC1	CSF21155	*C. hongkongensis*	AHAA	L.L. Liu, J.L. Han & L.S. Sun	OK167647	OK168684	OK169134	OK169218
82	0–20 cm	20200813-1-(2)_0–20 cm_B_R2_SC2	CSF21156	*C. hongkongensis*	AHAA	L.L. Liu, J.L. Han & L.S. Sun	OK167648	OK168685	OK169135	OK169219
83	0–20 cm	20200813-1-(3)_0–20 cm_B_R1_SC1	CSF21157	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167483	OK168520	–	–
83	0–20 cm	20200813-1-(3)_0–20 cm_B_R1_SC2	CSF21158	*C. kyotensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167978	OK169015	–	–
84	0–20 cm	20200813-1-(4)_0–20 cm_A_R1_SC1	CSF21159	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167484	OK168521	–	–
84	0–20 cm	20200813-1-(4)_0–20 cm_A_R1_SC2	CSF21160	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167485	OK168522	–	–
84	0–20 cm	20200813-1-(4)_0–20 cm_A_R2_SC1	CSF21161	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167486	OK168523	–	–
84	0–20 cm	20200813-1-(4)_0–20 cm_A_R2_SC2	CSF21162	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167487	OK168524	–	–
84	0–20 cm	20200813-1-(4)_0–20 cm_B_R1_SC1	CSF21163	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167488	OK168525	–	–

84	0–20 cm	20200813-1-(4)_0–20 cm_B_R1_SC2	CSF21164	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167489	OK168526	–	–
84	0–20 cm	20200813-1-(4)_0–20 cm_B_R2_SC1	CSF21165	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167490	OK168527	–	–
84	0–20 cm	20200813-1-(4)_0–20 cm_B_R2_SC2	CSF21166	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167491	OK168528	–	–
84	20–40 cm	20200813-1-(4)_0–40 cm_B_R2_SC1	CSF21167	*C. hongkongensis*	AF--	L.L. Liu, J.L. Han & L.S. Sun	OK167625	OK168662	–	–
84	20–40 cm	20200813-1-(4)_0–40 cm_B_R2_SC2	CSF21168	*C. hongkongensis*	AF--	L.L. Liu, J.L. Han & L.S. Sun	OK167626	OK168663	–	–
84	20–40 cm	20200813-1-(4)_0–40 cm_B_R2_SC3	CSF21169	*C. hongkongensis*	AF--	L.L. Liu, J.L. Han & L.S. Sun	OK167627	OK168664	–	–
84	20–40 cm	20200813-1-(4)_0–40 cm_B_R2_SC4	CSF21170	*C. hongkongensis*	AF--	L.L. Liu, J.L. Han & L.S. Sun	OK167628	OK168665	–	–
85	0–20 cm	20200814-1-(1)_0–20 cm_A_R1_SC1	CSF21171	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167492	OK168529	–	–
85	0–20 cm	20200814-1-(1)_0–20 cm_A_R1_SC2	CSF21172	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167493	OK168530	–	–
85	0–20 cm	20200814-1-(1)_0–20 cm_A_R2_SC1	CSF21173	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167494	OK168531	–	–
85	0–20 cm	20200814-1-(1)_0–20 cm_A_R2_SC2	CSF21174	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167495	OK168532	–	–
85	0–20 cm	20200814-1-(1)_0–20 cm_A_R2_SC3	CSF21175	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167496	OK168533	–	–
85	0–20 cm	20200814-1-(1)_0–20 cm_A_R2_SC4	CSF21176	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167497	OK168534	–	–
85	0–20 cm	20200814-1-(1)_0–20 cm_B_R1_SC1	CSF21177	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167498	OK168535	–	–
85	0–20 cm	20200814-1-(1)_0–20 cm_B_R1_SC2	CSF21178	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167499	OK168536	–	–
85	0–20 cm	20200814-1-(1)_0–20 cm_B_R2_SC1	CSF21179	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167500	OK168537	–	–
85	0–20 cm	20200814-1-(1)_0–20 cm_B_R2_SC2	CSF21180	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167501	OK168538	–	–

86	0–20 cm	20200814-1-(2)_0–20 cm_A_R2_SC1	CSF21181	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167939	OK168976	–	–
86	0–20 cm	20200814-1-(2)_0–20 cm_A_R2_SC2	CSF21182	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167502	OK168539	–	–
86	0–20 cm	20200814-1-(2)_0–20 cm_B_R1_SC1	CSF21183	*C. hongkongensis*	BAAA	L.L. Liu, J.L. Han & L.S. Sun	OK167657	OK168694	OK169138	OK169222
86	0–20 cm	20200814-1-(2)_0–20 cm_B_R1_SC2	CSF21184	*C. hongkongensis*	BA--	L.L. Liu, J.L. Han & L.S. Sun	OK167658	OK168695	–	–
86	0–20 cm	20200814-1-(2)_0–20 cm_B_R2_SC1	CSF21185	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167831	OK168868	–	–
86	0–20 cm	20200814-1-(2)_0–20 cm_B_R2_SC2	CSF21186	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167832	OK168869	–	–
86	20–40 cm	20200814-1-(2)_0–40 cm_A_R1_SC1	CSF21187	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167503	OK168540	–	–
86	20–40 cm	20200814-1-(2)_0–40 cm_A_R1_SC2	CSF21188	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167504	OK168541	–	–
86	20–40 cm	20200814-1-(2)_0–40 cm_A_R1_SC3	CSF21189	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167505	OK168542	–	–
86	20–40 cm	20200814-1-(2)_0–40 cm_A_R1_SC4	CSF21190	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167506	OK168543	–	–
86	40–60 cm	20200814-1-(2)_0–60 cm_B_R2_SC1	CSF21191	*C. kyotensis*	ABAA	L.L. Liu, J.L. Han & L.S. Sun	OK167998	OK169035	OK169167	OK169251
86	40–60 cm	20200814-1-(2)_0–60 cm_B_R2_SC2	CSF21192	*C. kyotensis*	AB--	L.L. Liu, J.L. Han & L.S. Sun	OK167999	OK169036	–	–
86	40–60 cm	20200814-1-(2)_0–60 cm_B_R2_SC3	CSF21193	*C. kyotensis*	AB--	L.L. Liu, J.L. Han & L.S. Sun	OK168000	OK169037	–	–
86	40–60 cm	20200814-1-(2)_0–60 cm_B_R2_SC4	CSF21194	*C. kyotensis*	AB--	L.L. Liu, J.L. Han & L.S. Sun	OK168001	OK169038	–	–
87	0–20 cm	20200814-1-(3)_0–20 cm_A_R1_SC1	CSF21195	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167507	OK168544	–	–
87	0–20 cm	20200814-1-(3)_0–20 cm_A_R1_SC2	CSF21196	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167508	OK168545	–	–
87	0–20 cm	20200814-1-(3)_0–20 cm_A_R2_SC1	CSF21197	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167509	OK168546	–	–

87	0–20 cm	20200814-1-(3)_0–20 cm_A_R2_SC2	CSF21198	*C. ilicicola*	BBBA	L.L. Liu, J.L. Han & L.S. Sun	OK168047	OK169084	OK169182	OK169266
87	0–20 cm	20200814-1-(3)_0–20 cm_B_R1_SC1	CSF21199	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167510	OK168547	–	–
87	0–20 cm	20200814-1-(3)_0–20 cm_B_R1_SC2	CSF21200	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167511	OK168548	–	–
87	0–20 cm	20200814-1-(3)_0–20 cm_B_R2_SC1	CSF21201	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167833	OK168870	–	–
87	0–20 cm	20200814-1-(3)_0–20 cm_B_R2_SC2	CSF21202	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167834	OK168871	–	–
88	0–20 cm	20200815-1-(1)_0–20 cm_A_R1_SC1	CSF21203	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167512	OK168549	–	–
88	0–20 cm	20200815-1-(1)_0–20 cm_A_R1_SC2	CSF21204	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167513	OK168550	–	–
88	0–20 cm	20200815-1-(1)_0–20 cm_A_R2_SC1	CSF21205	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167514	OK168551	–	–
88	0–20 cm	20200815-1-(1)_0–20 cm_A_R2_SC2	CSF21206	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167515	OK168552	–	–
88	0–20 cm	20200815-1-(1)_0–20 cm_B_R1_SC1	CSF21207	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167516	OK168553	–	–
88	0–20 cm	20200815-1-(1)_0–20 cm_B_R1_SC2	CSF21208	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167517	OK168554	–	–
88	0–20 cm	20200815-1-(1)_0–20 cm_B_R2_SC1	CSF21209	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167518	OK168555	–	–
88	0–20 cm	20200815-1-(1)_0–20 cm_B_R2_SC2	CSF21210	*C. ilicicola*	BB--	L.L. Liu, J.L. Han & L.S. Sun	OK168048	OK169085	–	–
88	20–40 cm	20200815-1-(1)_0–40 cm_A_R1_SC1	CSF21211	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167519	OK168556	–	–
88	20–40 cm	20200815-1-(1)_0–40 cm_A_R1_SC2	CSF21212	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167520	OK168557	–	–
88	20–40 cm	20200815-1-(1)_0–40 cm_A_R1_SC3	CSF21213	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167521	OK168558	–	–
88	20–40 cm	20200815-1-(1)_0–40 cm_A_R1_SC4	CSF21214	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167522	OK168559	–	–

88	60–80 cm	20200815-1-(1)_0–80 cm_B_R1_SC1	CSF21215	*C. ilicicola*	BB--	L.L. Liu, J.L. Han & L.S. Sun	OK168049	OK169086	–	–
88	60–80 cm	20200815-1-(1)_0–80 cm_B_R1_SC2	CSF21216	*C. ilicicola*	BB--	L.L. Liu, J.L. Han & L.S. Sun	OK168050	OK169087	–	–
88	60–80 cm	20200815-1-(1)_0–80 cm_B_R1_SC3	CSF21217	*C. ilicicola*	BB--	L.L. Liu, J.L. Han & L.S. Sun	OK168051	OK169088	–	–
88	60–80 cm	20200815-1-(1)_0–80 cm_B_R1_SC4	CSF21218	*C. ilicicola*	BB--	L.L. Liu, J.L. Han & L.S. Sun	OK168052	OK169089	–	–
89	0–20 cm	20200815-1-(2)_0–20 cm_A_R2_SC1	CSF21219	*C. ilicicola*	AAAB	L.L. Liu, J.L. Han & L.S. Sun	OK168014	OK169051	OK169174	OK169258
89	0–20 cm	20200815-1-(2)_0–20 cm_A_R2_SC2	CSF21220	*C. ilicicola*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK168015	OK169052	–	–
89	0–20 cm	20200815-1-(2)_0–20 cm_B_R1_SC1	CSF21221	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167523	OK168560	–	–
89	0–20 cm	20200815-1-(2)_0–20 cm_B_R1_SC2	CSF21222	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167524	OK168561	–	–
89	80–100 cm	20200815-1-(2)_0–100 cm_B_R2_SC1	CSF21223	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167835	OK168872	–	–
89	80–100 cm	20200815-1-(2)_0–100 cm_B_R2_SC2	CSF21224	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167836	OK168873	–	–
89	80–100 cm	20200815-1-(2)_0–100 cm_B_R2_SC3	CSF21225	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167837	OK168874	–	–
89	80–100 cm	20200815-1-(2)_0–100 cm_B_R2_SC4	CSF21226	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167838	OK168875	–	–
90	0–20 cm	20200815-1-(3)_0–20 cm_A_R1_SC1	CSF21227	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167525	OK168562	–	–
90	0–20 cm	20200815-1-(3)_0–20 cm_A_R1_SC2	CSF21228	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167526	OK168563	–	–
90	0–20 cm	20200815-1-(3)_0–20 cm_A_R2_SC1	CSF21229	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167527	OK168564	–	–
90	0–20 cm	20200815-1-(3)_0–20 cm_A_R2_SC2	CSF21230	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167528	OK168565	–	–
90	0–20 cm	20200815-1-(3)_0–20 cm_B_R1_SC1	CSF21231	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167529	OK168566	–	–

90	0–20 cm	20200815-1-(3)_0–20 cm_B_R2_SC2	CSF21233	*C. hongkongensis*	AFAA	L.L. Liu, J.L. Han & L.S. Sun	OK167629	OK168666	OK169127	OK169211
90	20–40 cm	20200815-1-(3)_0–40 cm_A_R1_SC1	CSF21234	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167530	OK168567	–	–
90	20–40 cm	20200815-1-(3)_0–40 cm_A_R1_SC2	CSF21235	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167531	OK168568	–	–
90	20–40 cm	20200815-1-(3)_0–40 cm_A_R1_SC3	CSF21236	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167532	OK168569	–	–
90	20–40 cm	20200815-1-(3)_0–40 cm_A_R1_SC4	CSF21237	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167533	OK168570	–	–
90	20–40 cm	20200815-1-(3)_0–40 cm_A_R2_SC1	CSF21238	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167534	OK168571	–	–
90	20–40 cm	20200815-1-(3)_0–40 cm_A_R2_SC2	CSF21239	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167535	OK168572	–	–
90	20–40 cm	20200815-1-(3)_0–40 cm_A_R2_SC3	CSF21240	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167536	OK168573	–	–
90	20–40 cm	20200815-1-(3)_0–40 cm_A_R2_SC4	CSF21241	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167940	OK168977	–	–
90	20–40 cm	20200815-1-(3)_0–40 cm_B_R2_SC1	CSF21242	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167537	OK168574	–	–
90	20–40 cm	20200815-1-(3)_0–40 cm_B_R2_SC2	CSF21243	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167538	OK168575	–	–
90	20–40 cm	20200815-1-(3)_0–40 cm_B_R2_SC4	CSF21245	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167539	OK168576	–	–
91	0–20 cm	20200815-1-(4)_0–20 cm_A_R2_SC1	CSF21246	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167839	OK168876	–	–
91	0–20 cm	20200815-1-(4)_0–20 cm_A_R2_SC2	CSF21247	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167840	OK168877	–	–
91	0–20 cm	20200815-1-(4)_0–20 cm_B_R1_SC1	CSF21248	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167540	OK168577	–	–
91	0–20 cm	20200815-1-(4)_0–20 cm_B_R1_SC2	CSF21249	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167541	OK168578	–	–
91	0–20 cm	20200815-1-(4)_0–20 cm_B_R2_SC1	CSF21250	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167542	OK168579	–	–

92	0–20 cm	20200815-1-(5)_0–20 cm_A_R1_SC1	CSF21252	*C. hongkongensis*	DA--	L.L. Liu, J.L. Han & L.S. Sun	OK167696	OK168733	–	–
92	0–20 cm	20200815-1-(5)_0–20 cm_A_R1_SC2	CSF21253	*C. hongkongensis*	DA--	L.L. Liu, J.L. Han & L.S. Sun	OK167697	OK168734	–	–
92	0–20 cm	20200815-1-(5)_0–20 cm_A_R2_SC1	CSF21254	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167841	OK168878	–	–
92	0–20 cm	20200815-1-(5)_0–20 cm_A_R2_SC2	CSF21255	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167842	OK168879	–	–
92	0–20 cm	20200815-1-(5)_0–20 cm_B_R1_SC1	CSF21256	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167941	OK168978	–	–
92	0–20 cm	20200815-1-(5)_0–20 cm_B_R1_SC2	CSF21257	*C. hongkongensis*	DA--	L.L. Liu, J.L. Han & L.S. Sun	OK167698	OK168735	–	–
92	0–20 cm	20200815-1-(5)_0–20 cm_B_R2_SC1	CSF21258	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167543	OK168580	–	–
92	0–20 cm	20200815-1-(5)_0–20 cm_B_R2_SC2	CSF21259	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167544	OK168581	–	–
93	0–20 cm	20200816-1-(1)_0–20 cm_B_R1_SC1	CSF21260	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167843	OK168880	–	–
93	0–20 cm	20200816-1-(1)_0–20 cm_B_R1_SC2	CSF21261	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167844	OK168881	–	–
93	20–40 cm	20200816-1-(1)_0–40 cm_B_R1_SC1	CSF21262	*C. aconidialis*	ABBA	L.L. Liu, J.L. Han & L.S. Sun	OK167857	OK168894	OK169153	OK169237
93	20–40 cm	20200816-1-(1)_0–40 cm_B_R1_SC2	CSF21263	*C. aconidialis*	AB--	L.L. Liu, J.L. Han & L.S. Sun	OK167858	OK168895	–	–
93	20–40 cm	20200816-1-(1)_0–40 cm_B_R1_SC3	CSF21264	*C. aconidialis*	AB--	L.L. Liu, J.L. Han & L.S. Sun	OK167859	OK168896	–	–
93	20–40 cm	20200816-1-(1)_0–40 cm_B_R1_SC4	CSF21265	*C. aconidialis*	AB--	L.L. Liu, J.L. Han & L.S. Sun	OK167860	OK168897	–	–
93	20–40 cm	20200816-1-(1)_0–40 cm_B_R2_SC2	CSF21266	*C. aconidialis*	ABBA	L.L. Liu, J.L. Han & L.S. Sun	OK167861	OK168898	OK169154	OK169238
93	20–40 cm	20200816-1-(1)_0–40 cm_B_R2_SC3	CSF21267	*C. aconidialis*	AB--	L.L. Liu, J.L. Han & L.S. Sun	OK167862	OK168899	–	–
93	20–40 cm	20200816-1-(1)_0–40 cm_B_R2_SC4	CSF21268	*C. aconidialis*	AB--	L.L. Liu, J.L. Han & L.S. Sun	OK167863	OK168900	–	–

93	60–80 cm	20200816-1-(1)_0–80 cm_A_R1_SC1	CSF21269	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167845	OK168882	–	–
93	60–80 cm	20200816-1-(1)_0–80 cm_A_R1_SC2	CSF21270	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167846	OK168883	–	–
93	60–80 cm	20200816-1-(1)_0–80 cm_A_R1_SC3	CSF21271	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167847	OK168884	–	–
93	60–80 cm	20200816-1-(1)_0–80 cm_A_R1_SC4	CSF21272	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167848	OK168885	–	–
94	0–20 cm	20200816-1-(2)_0–20 cm_A_R1_SC1	CSF21276	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167545	OK168582	–	–
94	0–20 cm	20200816-1-(2)_0–20 cm_A_R1_SC2	CSF21277	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167546	OK168583	–	–
94	0–20 cm	20200816-1-(2)_0–20 cm_A_R2_SC1	CSF21278	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167547	OK168584	–	–
94	0–20 cm	20200816-1-(2)_0–20 cm_A_R2_SC2	CSF21279	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167548	OK168585	–	–
94	0–20 cm	20200816-1-(2)_0–20 cm_B_R1_SC1	CSF21280	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167549	OK168586	–	–
94	0–20 cm	20200816-1-(2)_0–20 cm_B_R1_SC2	CSF21281	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167550	OK168587	–	–
94	0–20 cm	20200816-1-(2)_0–20 cm_B_R2_SC1	CSF21282	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167551	OK168588	–	–
94	0–20 cm	20200816-1-(2)_0–20 cm_B_R2_SC2	CSF21283	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167552	OK168589	–	–
94	20–40 cm	20200816-1-(2)_0–40 cm_A_R1_SC1	CSF21284	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167553	OK168590	–	–
94	20–40 cm	20200816-1-(2)_0–40 cm_A_R1_SC2	CSF21285	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167554	OK168591	–	–
94	20–40 cm	20200816-1-(2)_0–40 cm_A_R1_SC3	CSF21286	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167555	OK168592	–	–
94	20–40 cm	20200816-1-(2)_0–40 cm_A_R1_SC4	CSF21287	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167556	OK168593	–	–
94	20–40 cm	20200816-1-(2)_0–40 cm_A_R2_SC1	CSF21288	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167557	OK168594	–	–

94	20–40 cm	20200816-1-(2)_0–40 cm_A_R2_SC2	CSF21289	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167558	OK168595	–	–
94	20–40 cm	20200816-1-(2)_0–40 cm_A_R2_SC3	CSF21290	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167559	OK168596	–	–
94	20–40 cm	20200816-1-(2)_0–40 cm_A_R2_SC4	CSF21291	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167560	OK168597	–	–
95	0–20 cm	20200816-1-(3)_0–20 cm_A_R1_SC1	CSF21292	*C. ilicicola*	BBBA	L.L. Liu, J.L. Han & L.S. Sun	OK168053	OK169090	OK169183	OK169267
95	0–20 cm	20200816-1-(3)_0–20 cm_A_R1_SC2	CSF21293	*C. ilicicola*	BB--	L.L. Liu, J.L. Han & L.S. Sun	OK168054	OK169091	–	–
95	0–20 cm	20200816-1-(3)_0–20 cm_A_R2_SC1	CSF21294	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167942	OK168979	–	–
95	0–20 cm	20200816-1-(3)_0–20 cm_A_R2_SC2	CSF21295	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167943	OK168980	–	–
95	0–20 cm	20200816-1-(3)_0–20 cm_B_R1_SC1	CSF21296	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167849	OK168886	–	–
95	0–20 cm	20200816-1-(3)_0–20 cm_B_R1_SC2	CSF21297	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167561	OK168598	–	–
95	20–40 cm	20200816-1-(3)_0–40 cm_B_R1_SC1	CSF21298	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167562	OK168599	–	–
95	20–40 cm	20200816-1-(3)_0–40 cm_B_R1_SC2	CSF21299	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167563	OK168600	–	–
95	20–40 cm	20200816-1-(3)_0–40 cm_B_R1_SC3	CSF21300	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167564	OK168601	–	–
95	20–40 cm	20200816-1-(3)_0–40 cm_B_R1_SC4	CSF21301	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167565	OK168602	–	–
96	0–20 cm	20200816-1-(4)_0–20 cm_A_R1_SC1	CSF21302	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167566	OK168603	–	–
96	0–20 cm	20200816-1-(4)_0–20 cm_A_R1_SC2	CSF21303	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167567	OK168604	–	–
96	0–20 cm	20200816-1-(4)_0–20 cm_A_R2_SC1	CSF21304	*C. hongkongensis*	ADAA	L.L. Liu, J.L. Han & L.S. Sun	OK167607	OK168644	OK169121	OK169205
96	0–20 cm	20200816-1-(4)_0–20 cm_A_R2_SC2	CSF21305	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167568	OK168605	–	–

96	0–20 cm	20200816-1-(4)_0–20 cm_B_R1_SC2	CSF21307	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167569	OK168606	–	–
96	0–20 cm	20200816-1-(4)_0–20 cm_B_R2_SC1	CSF21308	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167570	OK168607	–	–
96	0–20 cm	20200816-1-(4)_0–20 cm_B_R2_SC2	CSF21309	*C. hongkongensis*	BA--	L.L. Liu, J.L. Han & L.S. Sun	OK167659	OK168696	–	–
96	20–40 cm	20200816-1-(4)_0–40 cm_A_R1_SC1	CSF21310	*C. ilicicola*	AAAB	L.L. Liu, J.L. Han & L.S. Sun	OK168016	OK169053	OK169175	OK169259
96	20–40 cm	20200816-1-(4)_0–40 cm_A_R1_SC2	CSF21311	*C. ilicicola*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK168017	OK169054	–	–
96	20–40 cm	20200816-1-(4)_0–40 cm_A_R1_SC3	CSF21312	*C. ilicicola*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK168018	OK169055	–	–
96	20–40 cm	20200816-1-(4)_0–40 cm_A_R1_SC4	CSF21313	*C. ilicicola*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK168019	OK169056	–	–
96	20–40 cm	20200816-1-(4)_0–40 cm_A_R2_SC1	CSF21314	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167571	OK168608	–	–
96	20–40 cm	20200816-1-(4)_0–40 cm_A_R2_SC2	CSF21315	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167572	OK168609	–	–
96	20–40 cm	20200816-1-(4)_0–40 cm_A_R2_SC3	CSF21316	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167573	OK168610	–	–
96	20–40 cm	20200816-1-(4)_0–40 cm_A_R2_SC4	CSF21317	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167574	OK168611	–	–
96	20–40 cm	20200816-1-(4)_0–40 cm_B_R1_SC1	CSF21318	*C. ilicicola*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK168020	OK169057	–	–
96	20–40 cm	20200816-1-(4)_0–40 cm_B_R1_SC2	CSF21319	*C. ilicicola*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK168021	OK169058	–	–
96	20–40 cm	20200816-1-(4)_0–40 cm_B_R1_SC3	CSF21320	*C. ilicicola*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK168022	OK169059	–	–
96	20–40 cm	20200816-1-(4)_0–40 cm_B_R1_SC4	CSF21321	*C. ilicicola*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK168023	OK169060	–	–
96	20–40 cm	20200816-1-(4)_0–40 cm_B_R2_SC1	CSF21322	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167850	OK168887	–	–
96	20–40 cm	20200816-1-(4)_0–40 cm_B_R2_SC2	CSF21323	*C. ilicicola*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK168024	OK169061	–	–

96	20–40 cm	20200816-1-(4)_0–40 cm_B_R2_SC3	CSF21324	*C. ilicicola*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK168025	OK169062	–	–
96	20–40 cm	20200816-1-(4)_0–40 cm_B_R2_SC4	CSF21325	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167851	OK168888	–	–
96	40–60 cm	20200816-1-(4)_0–60 cm_B_R1_SC1	CSF21326	*C. ilicicola*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK168026	OK169063	–	–
96	40–60 cm	20200816-1-(4)_0–60 cm_B_R1_SC2	CSF21327	*C. ilicicola*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK168027	OK169064	–	–
96	40–60 cm	20200816-1-(4)_0–60 cm_B_R1_SC3	CSF21328	*C. ilicicola*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK168028	OK169065	–	–
96	40–60 cm	20200816-1-(4)_0–60 cm_B_R1_SC4	CSF21329	*C. ilicicola*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK168029	OK169066	–	–
96	40–60 cm	20200816-1-(4)_0–60 cm_B_R2_SC1	CSF21330	*C. ilicicola*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK168030	OK169067	–	–
96	40–60 cm	20200816-1-(4)_0–60 cm_B_R2_SC2	CSF21331	*C. ilicicola*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK168031	OK169068	–	–
96	40–60 cm	20200816-1-(4)_0–60 cm_B_R2_SC3	CSF21332	*C. ilicicola*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK168032	OK169069	–	–
96	40–60 cm	20200816-1-(4)_0–60 cm_B_R2_SC4	CSF21333	*C. ilicicola*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK168033	OK169070	–	–
97	0–20 cm	20200816-1-(5)_0–20 cm_A_R1_SC1	CSF21334	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167852	OK168889	–	–
97	0–20 cm	20200816-1-(5)_0–20 cm_A_R1_SC2	CSF21335	*C. kyotensis*	BAAA	L.L. Liu, J.L. Han & L.S. Sun	OK168007	OK169044	OK169171	OK169255
97	0–20 cm	20200816-1-(5)_0–20 cm_A_R2_SC1	CSF21336	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167944	OK168981	–	–
97	0–20 cm	20200816-1-(5)_0–20 cm_A_R2_SC2	CSF21337	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167853	OK168890	–	–
97	0–20 cm	20200816-1-(5)_0–20 cm_B_R1_SC1	CSF21338	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167945	OK168982	–	–
97	0–20 cm	20200816-1-(5)_0–20 cm_B_R1_SC2	CSF21339	*C. kyotensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167979	OK169016	–	–
97	0–20 cm	20200816-1-(5)_0–20 cm_B_R2_SC1	CSF21340	*C. aconidialis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167854	OK168891	–	–

97	0–20 cm	20200816-1-(5)_0–20 cm_B_R2_SC2	CSF21341	*C. kyotensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167980	OK169017	–	–
97	40–60 cm	20200816-1-(5)_0–60 cm_B_R2_SC1	CSF21342	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167575	OK168612	–	–
97	40–60 cm	20200816-1-(5)_0–60 cm_B_R2_SC2	CSF21343	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167576	OK168613	–	–
97	40–60 cm	20200816-1-(5)_0–60 cm_B_R2_SC3	CSF21344	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167577	OK168614	–	–
97	40–60 cm	20200816-1-(5)_0–60 cm_B_R2_SC4	CSF21345	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167578	OK168615	–	–
98	0–20 cm	20200816-1-(6)_0–20 cm_A_R1_SC1	CSF21346	*C. aconidialis*	ACAA	L.L. Liu, J.L. Han & L.S. Sun	OK167946	OK168983	OK169159	OK169243
98	0–20 cm	20200816-1-(6)_0–20 cm_A_R1_SC2	CSF21347	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167947	OK168984	–	–
98	0–20 cm	20200816-1-(6)_0–20 cm_A_R2_SC1	CSF21348	*C. aconidialis*	AAAA	L.L. Liu, J.L. Han & L.S. Sun	OK167855	OK168892	OK169151	OK169235
98	0–20 cm	20200816-1-(6)_0–20 cm_A_R2_SC2	CSF21349	*C. aconidialis*	ABBA	L.L. Liu, J.L. Han & L.S. Sun	OK167864	OK168901	OK169155	OK169239
98	0–20 cm	20200816-1-(6)_0–20 cm_B_R1_SC1	CSF21350	*C. kyotensis*	AAAA	L.L. Liu, J.L. Han & L.S. Sun	OK167981	OK169018	OK169163	OK169247
98	0–20 cm	20200816-1-(6)_0–20 cm_B_R1_SC2	CSF21351	*C. kyotensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167982	OK169019	–	–
98	0–20 cm	20200816-1-(6)_0–20 cm_B_R2_SC1	CSF21352	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167948	OK168985	–	–
98	0–20 cm	20200816-1-(6)_0–20 cm_B_R2_SC2	CSF21353	*C. aconidialis*	AC--	L.L. Liu, J.L. Han & L.S. Sun	OK167949	OK168986	–	–
98	60–80 cm	20200816-1-(6)_0–80 cm_B_R2_SC1	CSF21354	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167579	OK168616	–	–
98	60–80 cm	20200816-1-(6)_0–80 cm_B_R2_SC2	CSF21355	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167580	OK168617	–	–
98	60–80 cm	20200816-1-(6)_0–80 cm_B_R2_SC3	CSF21356	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167581	OK168618	–	–
98	60–80 cm	20200816-1-(6)_0–80 cm_B_R2_SC4	CSF21357	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167582	OK168619	–	–

99	0–20 cm	20200816-1-(7)_0–20 cm_A_R1_SC1	CSF21358	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167583	OK168620	–	–
99	0–20 cm	20200816-1-(7)_0–20 cm_A_R2_SC1	CSF21359	*C. hongkongensis*	BAAA	L.L. Liu, J.L. Han & L.S. Sun	OK167660	OK168697	OK169139	OK169223
99	0–20 cm	20200816-1-(7)_0–20 cm_A_R2_SC2	CSF21360	*C. hongkongensis*	BA--	L.L. Liu, J.L. Han & L.S. Sun	OK167661	OK168698	–	–
99	0–20 cm	20200816-1-(7)_0–20 cm_B_R1_SC1	CSF21361	*C. hongkongensis*	BA--	L.L. Liu, J.L. Han & L.S. Sun	OK167662	OK168699	–	–
99	0–20 cm	20200816-1-(7)_0–20 cm_B_R1_SC2	CSF21362	*C. hongkongensis*	BA--	L.L. Liu, J.L. Han & L.S. Sun	OK167663	OK168700	–	–
99	40–60 cm	20200816-1-(7)_0–60 cm_B_R2_SC1	CSF21363	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167584	OK168621	–	–
99	40–60 cm	20200816-1-(7)_0–60 cm_B_R2_SC2	CSF21364	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167585	OK168622	–	–
99	40–60 cm	20200816-1-(7)_0–60 cm_B_R2_SC3	CSF21365	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167586	OK168623	–	–
99	40–60 cm	20200816-1-(7)_0–60 cm_B_R2_SC4	CSF21366	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167587	OK168624	–	–
100	0–20 cm	20200816-1-(8)_0–20 cm_A_R1_SC1	CSF21367	*C. hongkongensis*	DAAA	L.L. Liu, J.L. Han & L.S. Sun	OK167699	OK168736	OK169147	OK169231
100	0–20 cm	20200816-1-(8)_0–20 cm_A_R1_SC2	CSF21368	*C. hongkongensis*	ACAB	L.L. Liu, J.L. Han & L.S. Sun	OK167599	OK168636	OK169116	OK169200
100	0–20 cm	20200816-1-(8)_0–20 cm_A_R2_SC2	CSF21370	*C. hongkongensis*	AAAA	L.L. Liu, J.L. Han & L.S. Sun	OK167588	OK168625	OK169112	OK169197
100	0–20 cm	20200816-1-(8)_0–20 cm_B_R1_SC1	CSF21371	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167589	OK168626	–	–
100	0–20 cm	20200816-1-(8)_0–20 cm_B_R1_SC2	CSF21372	*C. hongkongensis*	ACAB	L.L. Liu, J.L. Han & L.S. Sun	OK167600	OK168637	OK169117	OK169201
100	0–20 cm	20200816-1-(8)_0–20 cm_B_R2_SC1	CSF21373	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167590	OK168627	–	–
100	0–20 cm	20200816-1-(8)_0–20 cm_B_R2_SC2	CSF21374	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167591	OK168628	–	–
100	80–100 cm	20200816-1-(8)_0–100 cm_A_R1_SC1	CSF21375	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167592	OK168629	–	–

100	80–100 cm	20200816-1-(8)_0–100 cm_A_R1_SC2	CSF21376	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167593	OK168630	–	–
100	80–100 cm	20200816-1-(8)_0–100 cm_A_R1_SC3	CSF21377	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167594	OK168631	–	–
100	80–100 cm	20200816-1-(8)_0–100 cm_A_R1_SC4	CSF21378	*C. hongkongensis*	AA--	L.L. Liu, J.L. Han & L.S. Sun	OK167595	OK168632	–	–

[1] Number of 100 sampling points in this study. [2] Information associated with sample point and isolate, for example, "20200709-1-(1)_0–20 cm_A_R1_SC1" indicated sample number "20200709-1-(1), soil layer (0–20 cm), sample plastic bag (A), plastic sampling cup (R1), single conidium 1 (SC1). [3] CSF: Culture Collection located at China Eucalypt Research Centre (CERC), Chinese Academy of Forestry, ZhanJiang, GuangDong Province, China. [4] Genotype within each *Calonectria* species, determined by sequences of the *tef1*, *tub2*, *cmdA* and *his3* regions; "-" means not available. [5] *tef1* = translation elongation factor 1-alpha; *tub2* = β-tubulin; *cmdA* = calmodulin; *his3* = histone H3. [6] "–" represents the relative locus was not amplified in the current study.

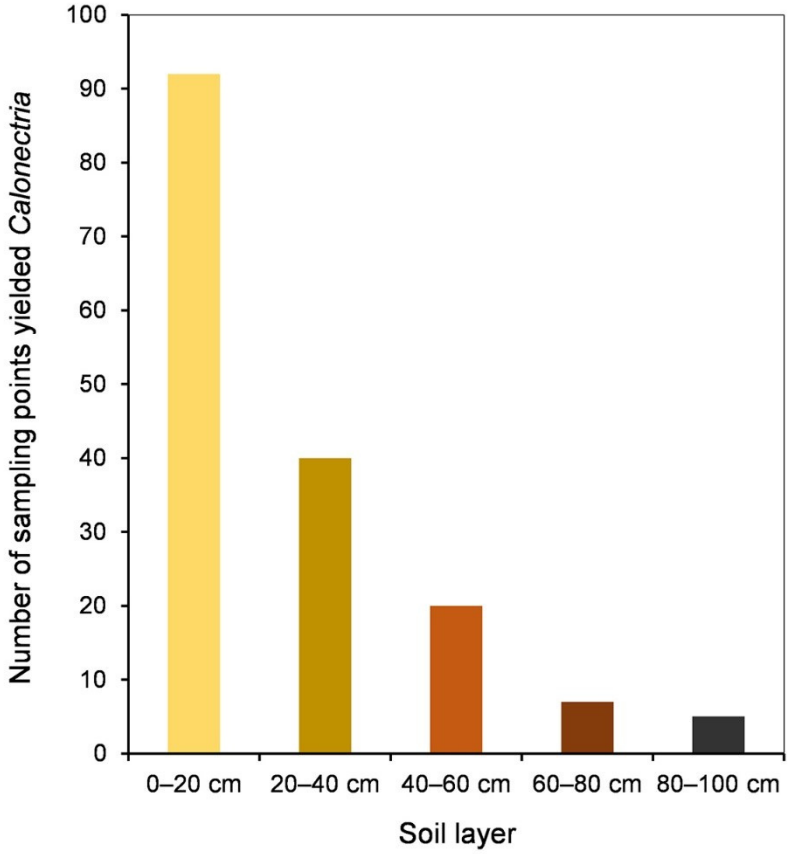

Figure S1. Number of sampling points that yielded *Calonectria* in each of five soil layers.

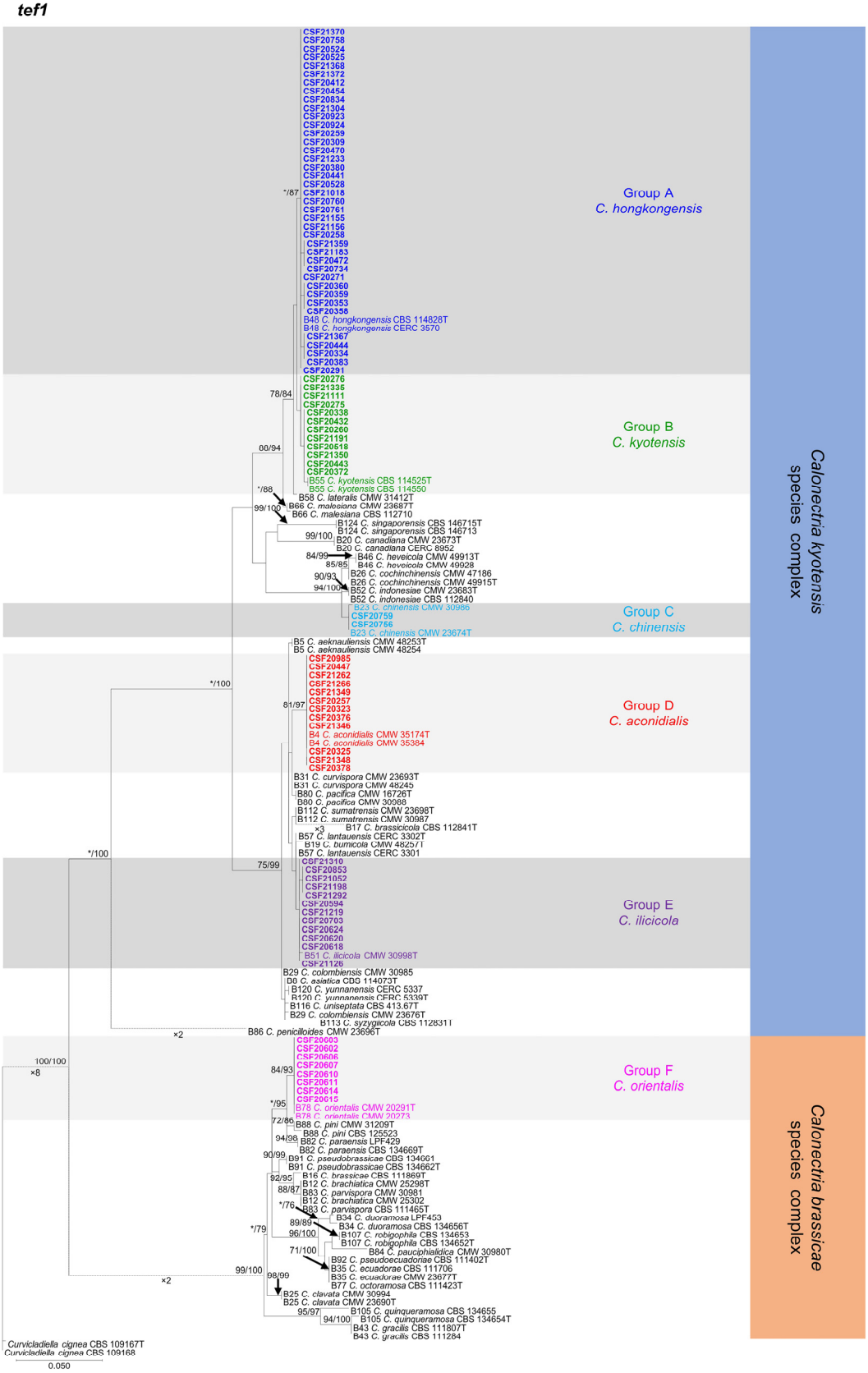

Figure S2. Phylogenetic tree of *Calonectria* species based on maximum likelihood (ML) analyses of the dataset of combined *tef1* gene sequences in this study. Bootstrap support values ≥70% are presented above the branches as follows: ML/MP. Bootstrap values <70% or absent are marked with "*". Isolates highlighted in six different colors and bold were obtained in this study. Ex-type isolates are marked with "T". The "B" species codes are consistent with the recently published results in Liu and co-authors [1]. The *Curvicladiella cignea* (CBS 109167 and CBS 109168) was used as outgroup taxon.

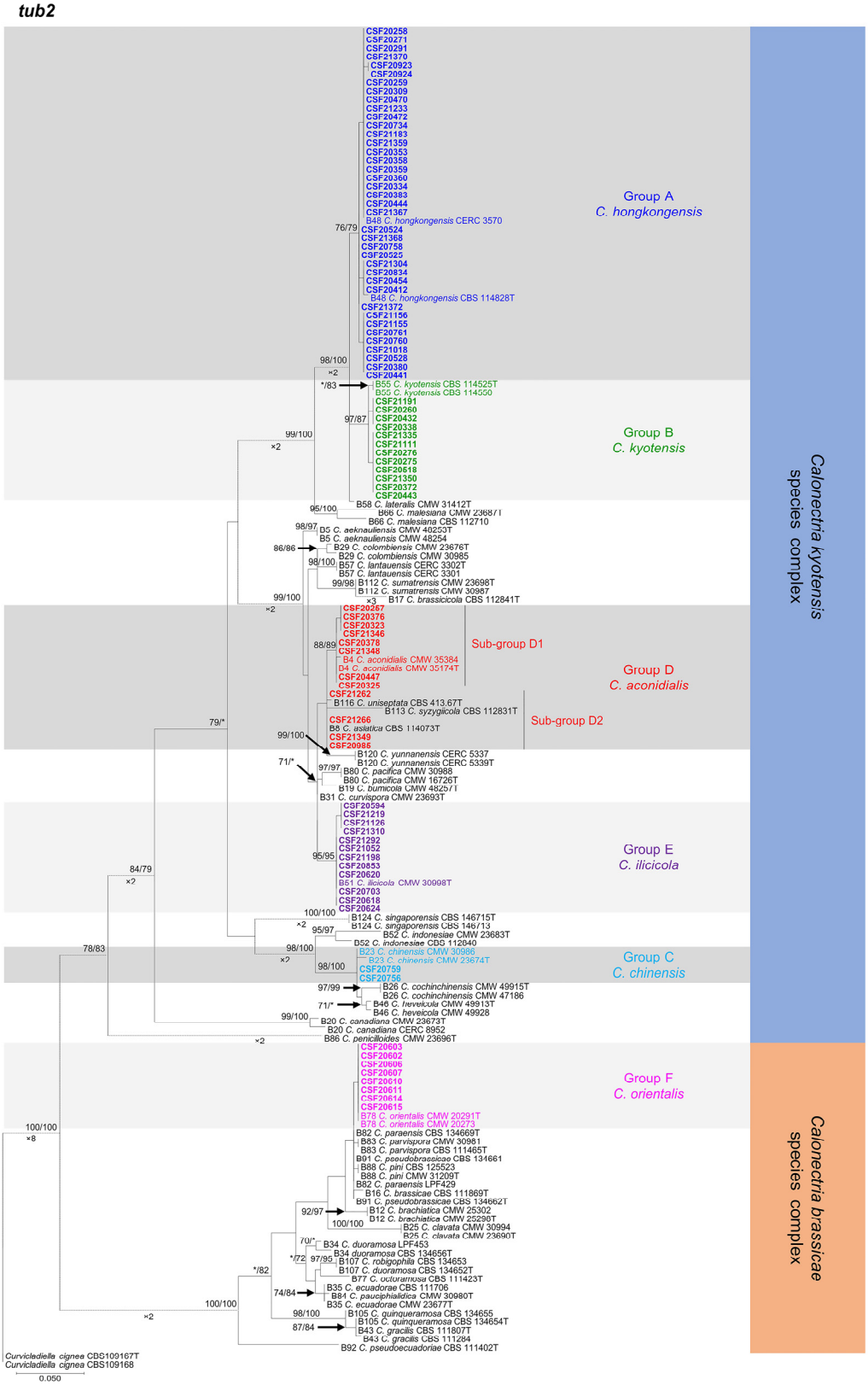

Figure S3. Phylogenetic tree of *Calonectria* species based on maximum likelihood (ML) analyses of the dataset of combined *tub2* gene sequences in this study. Bootstrap support values ≥70% are presented above the branches as follows: ML/MP. Bootstrap values <70% or absent are marked with "*". Isolates highlighted in six different colors and bold were obtained in this study. Ex-type isolates are marked with "T". The "B" species codes are consistent with the recently published results in Liu and co-authors [1]. The *Curvicladiella cignea* (CBS 109167 and CBS 109168) was used as outgroup taxon.

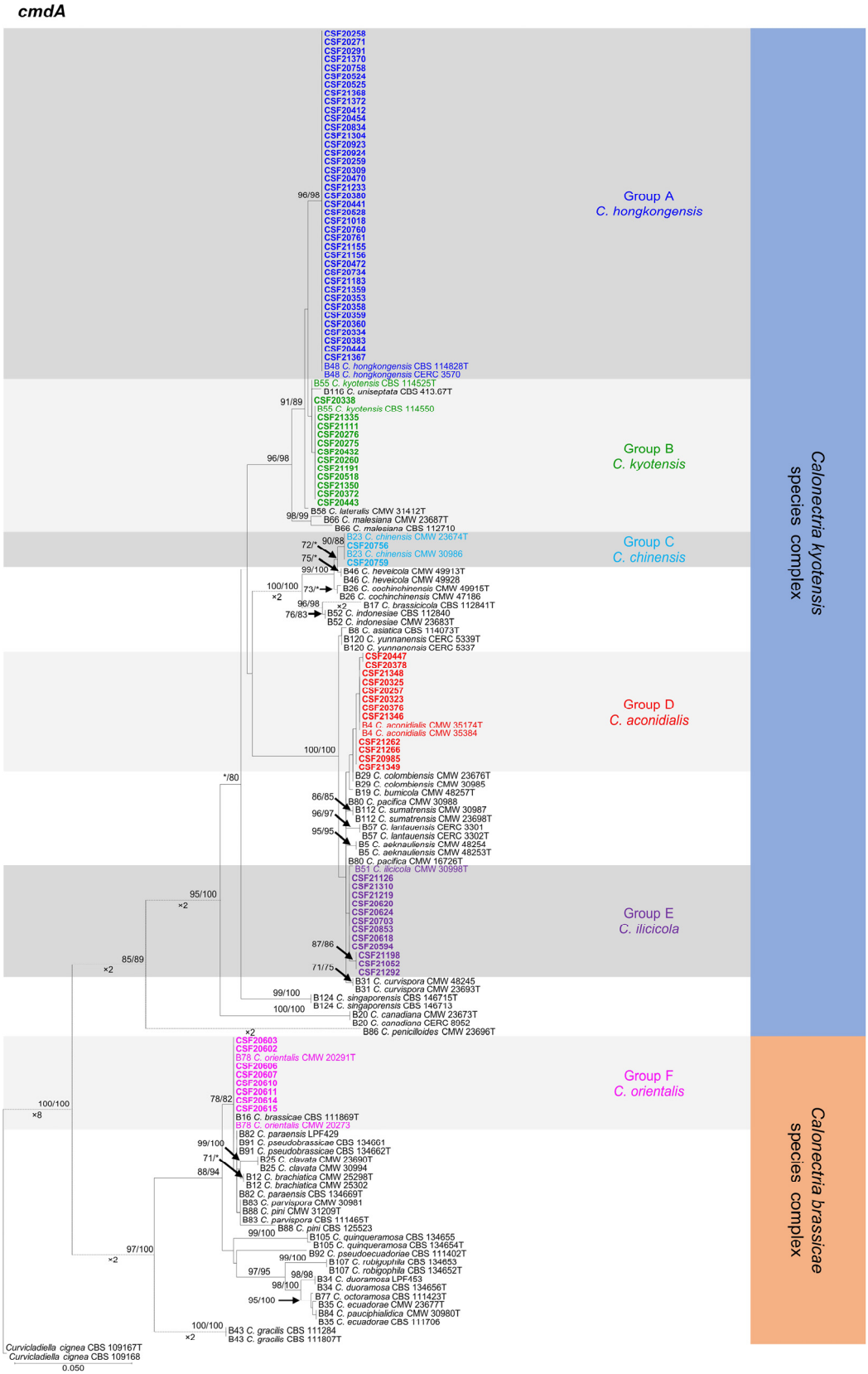

Figure S4. Phylogenetic tree of *Calonectria* species based on maximum likelihood (ML) analyses of the dataset of combined *cmdA* gene sequences in this study. Bootstrap support values ≥70% are presented above the branches as follows: ML/MP. Bootstrap values <70% or absent are marked with "*". Isolates highlighted in six different colors and bold were obtained in this study. Ex-type isolates are marked with "T". The "B" species codes are consistent with the recently published results in Liu and co-authors [1]. The *Curvicladiella cignea* (CBS 109167 and CBS 109168) was used as outgroup taxon.

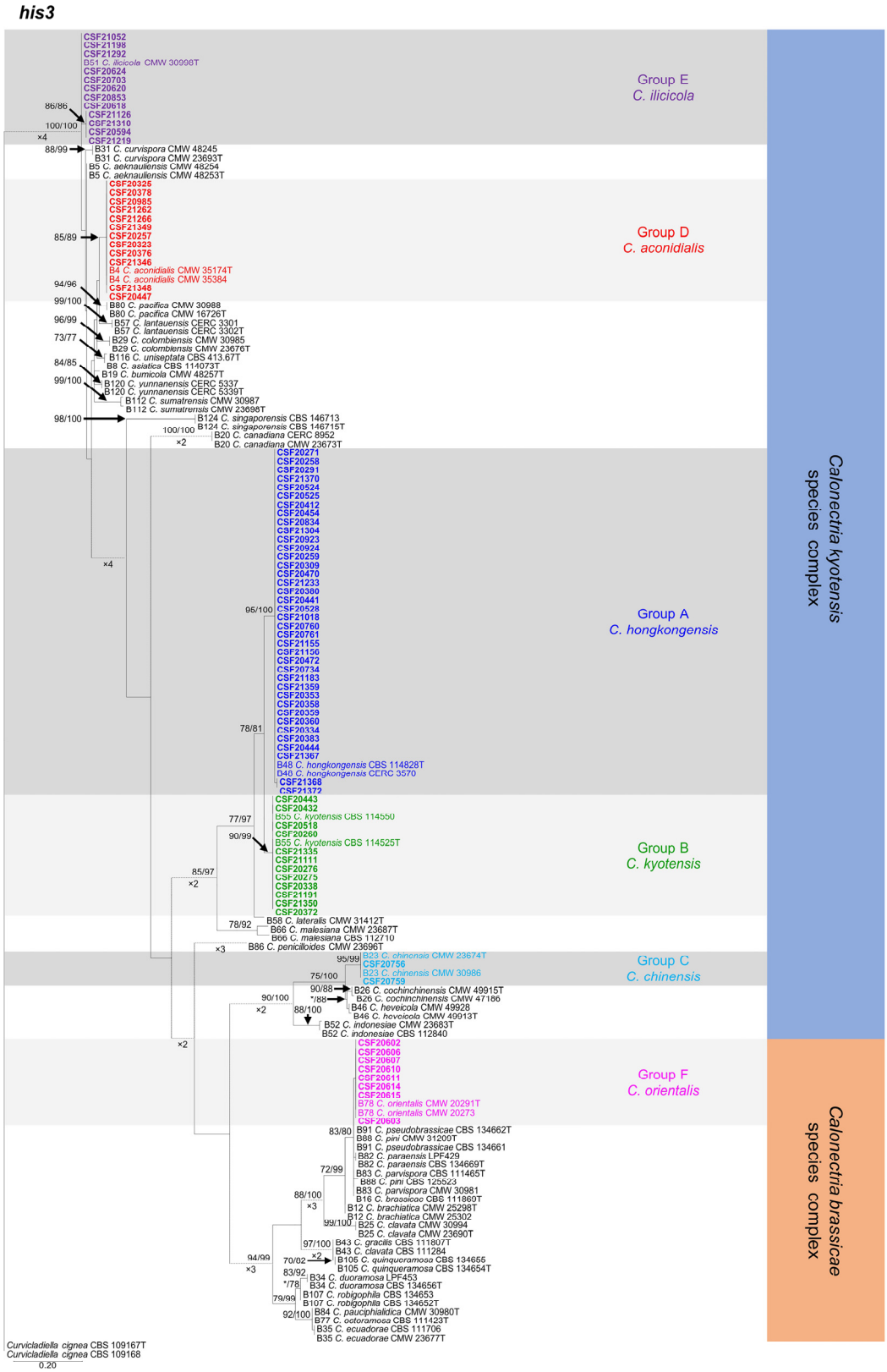

Figure S5. Phylogenetic tree of *Calonectria* species based on maximum likelihood (ML) analyses of the dataset of combined *his3* gene sequences in this study. Bootstrap support values ≥70% are presented above the branches as follows: ML/MP. Bootstrap values <70% or absent are marked with "*". Isolates highlighted in six different colors and bold were obtained in this study. Ex-type isolates are marked with "T". The "B" species codes are consistent with the recently published results in Liu and co-authors [1]. The *Curvicladiella cignea* (CBS 109167 and CBS 109168) was used as outgroup taxon.

References

1. Liu, Q.L.; Li, J.Q.; Wingfield, M.J.; Duong, T.A.; Wingfield, B.D.; Crous, P.W.; Chen, S.F. Reconsideration of species boundaries and proposed DNA barcodes for *Calonectria*. *Stud. Mycol.* **2020**, *97*, 100106, doi:10.1016/j.simyco.2020.08.001.