

自然誌資料集

No. 2

千葉県産の地衣類標本

(1) ウメノキゴケ科

原田 浩・坂田 歩美・伊左治 鎮司・加賀山 翔一

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千葉県立中央博物館

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Lichen Specimens

Collected in Chiba-ken, Central Japan,

(1) Parmeliaceae

by Hiroshi Harada, Ayumi Sakata, Shinji Isaji and Shoichi Kagayama

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千葉県産の地衣類標本（1）ウメノキゴケ科

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はじめに

調査研究事業「房総の地衣類誌」とリスト作成

千葉県立中央博物館（以下、当館と呼ぶ）の開館（1989年）当時、県内の地衣類についてまとめた情報がなかったことから、まず、県内からの地衣類に関する文献情報を収集・整理し、チェックリストとしてまとめ、131種を認めた（原田 1994）。このうち、開館以前に県内から記録されたのは114種に過ぎなかった（原田 2016）。ある程度本格的な地衣類相調査を実施すると〔例えば中村他（1991）による鋸山における調査〕、多数の県新産種を見つける状況であり、県内に分布する種は、全く把握できていないことが予想された。そこで、「房総の地衣類誌」は、県内に産する地衣類のリストを完成させることを目標に定めた。

この目標を達成するために、以下の県内各地で地衣類相調査（地衣フロア調査）を実施した（発表年順）。これには、市町村における自然環境調査やレッドデータブックの調査も含まれた。

市原市大福山（石橋・原田 1994）、東金市（原田他 1996）、千葉市（原田 1996）、袖ヶ浦市（川名・原田 1997）、富津市（原田・川名 2002）、白井市（原田他 2009）。

これと並行して、未記録種を発見する可能性が高いと考えられた、県の南部において調査を繰り返し実施した。このとき、専門とするアナイボゴケ科（Verrucariaceae）など、国内での研究が進んでいない分類群について特に注目した。これによって、2020年末の時点（原田・坂田 2021）で32新種を千葉県産標本に基づき記載する

こととなった。更に、日本新産や実体がよく分からなかった種などを多数報告した。

これらの成果を様々な学術雑誌や報告書、館の研究報告で公表し続けていったが、リスト完成への進捗状況を確認するために、チェックリストを定期的に改訂し、第4版にあたるチェックリスト（原田 2008）では249種を挙げたが、その頃には出現種の一通りの把握ができていのように見えた。そこで、リスト完成という第一の目標に加え、それぞれの種の分布を明らかにすることを第二の目標に据えることとした。

分布図作成における「日本測地系」・「世界測地系」の問題

県内における分布図を作成するため、当館の植物・菌類系の資料については、開館当初から「千葉県メッシュマップ」（千葉県立中央博物館 1990）を用いてきた。これは、2万5千分の一地形図図幅を東西南北ともに10等分し、100に分割したそれぞれのメッシュに4桁の番号を与えコード（千葉県メッシュコード）としたもので、3次メッシュ（あるいは1キロメッシュ）に相当する。地衣類標本のデータベースは、他の植物菌類資料と同様に、標本の採集地点の位置情報として、この4桁のメッシュコードを記録していた。

しかし近年になって、これには問題があることが判明した。この地図の基準となった「日本測地系」が、「世界測地系」から緯度経度とも約12秒、距離で約450mずれていることが判明した〔「日本測地系と世界測地系」国土地理院〕(*)のである。これを受けて国土地理院では、地形図を「世界測地系」を基準とするものに変更し、現在ではあらゆる地図がこの測地系に基づいて作られるようになった。また、最近では、GIS（地理情報システム）によって、地図に様々なデータを重ね合わせた画像などが盛んにウェブ上で公開されるようになったが、それらの地図にはもちろん「世界測地系」が採用されている。

このようにあらゆる地図が世界測地系へと転換を果たした中で、標本の日本測地系の情報のみが取り残されてしまう状況が起こりつつある。

*) <https://www.gsi.go.jp/LAW/G2000-g2000-h3.htm>

標本情報の「世界測地系」への転換

この変化に対応するため、当館所蔵の地衣類標本の位置情報を、「千葉県メッシュコード」ベースから、「世界測地系」の緯度経度ベースへと転換を図った。基本的には新規標本は、緯度経度を記録し、その値から「世界測

地系」の3次メッシュコードと、「千葉県メッシュコード」を導いた。また、過去に採集した標本についても、可能な限り緯度経度を割り出した。

一方、千葉県メッシュコードは記録された標本の中には、緯度経度を特定することができないものも多数残った。これらを「世界測地系」の情報に、どのように変換するのかは、大きな課題となった。メッシュコードを、メッシュの中央や隅などの緯度経度に機械的に置き換える案もあるが、地衣類資料では採用せず、元の千葉県メッシュコードの情報を残すこととした。

これらの標本データを、「世界測地系」の地図にどのように表示するかは、当面の間は、その都度検討することとした。

地衣類の分布調査

2012年時点で県内産の地衣類標本について、千葉県生物多様性センターが運用する「生物多様性地理情報システム」により、採集地点を3次メッシュ単位で地図上に表示したところ、予想通り大きな偏りがあることが容易に見て取れた。更に、ウメノキゴケ *Parmotrema tinctorum* (*) をはじめとする、いわゆる普通種、また千葉県レッドデータブックに掲載される種のうち幾つかについても、同様に分布図を作成した。

*) 地衣類の種名（学名）は、例えばウメノキゴケの場合には *Parmotrema tinctorum* (Nyl.) Hale というように、学名の著者名を省略しないのが正式な形だが、本文中では省略し、「付録1. 検査標本リスト」においてのみ示した。

これらの分布図と基となったデータを見て感じたことは、出現がまれな種ほど、出現頻度の割によく採集され、逆に、普通種ほど出現頻度の割に採集されていないということであった。つまり、どこにでも見られるような種は、発見されても採集されなかった例が多かったのではない。選択的な採集が行われていることは、記憶と照らし合わせてみても明らかだった。従って、採集地点数やメッシュ数から、それぞれの種の希少性をそのまま評価することは難しいと言えそうである。

そこで、種ごとの県内における分布状況を正しく記録し、また評価するために、以下のような「分布調査」を2012年から試行した。

直径50m程度の場所を1調査地点として、そこに出現する全種を網羅するよう採集する。このとき対象とするのは基物から剥がすことが可能な大型地衣（〔葉状（ようじょう）地衣＋樹状（じゅじょう）地衣〕とし、痂状

(かじょう)地衣(*)については可能な場合にのみとする。従って、分布の評価が可能なのは、大型地衣のみとなる。また、調査地を全県に広げるため、採集地点ならびに採集点数がほとんどない2次メッシュについては、調査地点を加えるように努めた。このため、これまで調査がほとんどなされていなかった、県の北部における調査地の設定を積極的に進めることとした。また、それと並んで、これまで採集メッシュ数が多い南部においても、分布を評価するための調査を行っていなかったことから、北部と同様に「分布調査」を実施することとした。

*) 痾状地衣など、地衣類に関する専門用語については、以下のコンテンツ「地衣類って何？」を参照。

https://www.chiba-muse.or.jp/NATURAL/special/chii_nani/chii-index.html

はじめは原田が単独で何箇所かで実施し、その後、共同研究員(坂田は当時、共同研究員だった)・市民研究員に協力いただきながら、各地で調査を進めていった。2015年から2016年にかけては、千葉県レッドリスト改訂事業に伴い、これらのメンバーが協力して30地点以上で実施した。またこれと並行して、県内で最も生物多様性が高いと考えられていたが、地衣類の調査を実施していなかった、東京大学大学院農学生命科学研究科附属演習林 千葉演習林について、分布調査も含めた網羅的なフロラ調査を2011年2月から開始し、同年12月からは館の重点研究「房総丘陵の自然 一過去、現在、未来一：植物学」の一部として実施することとなった。この間、演習林内で調査を実施した3次メッシュは27、標本4,000点余りを採集するに至った。その後も、これらの共同研究員、市民研究員等には、各地の調査を継続していただいている。

このようにして収集した標本は2021年10月末時点で1万6千点余り、このうち6割強にあたる10,103点の同定を完了している。

このような分布調査を意識した調査を重ねることにより、2008年発行のチェックリスト第4版(原田2008)で249種把握されていた千葉県産地衣類の種数は、その補遺(原田・坂田2016)では28種を加え277種となり、東京大学千葉演習林重点研究「房総丘陵の自然一過去、現在、未来一：植物学」(原田他2017)では22種を追加し、更にその後も少しずつ増加し、2021年11月現在(坂田・原田2022)で317種を数えるに至った。

千葉県産地衣類の分布図の作成

調査研究事業「房総の地衣類誌」の2番目の目標とした「種ごとの分布解明」、その成果と進捗状況を確認するために、標本情報に基づく分布図の作成は無くしてはならない。できれば全種について分布図を作成し掲載したいところであったが、今回は誌面の都合上、標本約3,000点分のみをまとめることにした。その数に見合う種群の候補を検討した結果、よく目立つ種が多く、比較的良好に知られている種が多い、ウメノキゴケ科 Parmeliaceae の葉状の属を取り上げることとした。このうち、今回同定を再確認することが困難だったり、分類学的な課題がある幾つかの種を除いた、30種を扱った。

分布図は、千葉県生物多様性センターが運用する「生物多様性地理情報システム」により、市町村界を示す白地図に世界測地系の3次メッシュを重ね合わせた地図をベースとして作成した。全標本について、種名と3次メッシュコードのデータを基に、標本が採集されたメッシュを赤く塗りつぶす形で、種ごとに分布図を描いた。緯度経度情報はないが千葉県メッシュコードのみがある標本については、その日本測地系の3次メッシュコード(8桁の数字)を、世界測地系のコードとして読み替えることとした(従って本来のメッシュの範囲とは約450mずれて表示されることに注意)。

このシステムで作成された地図を、Photoshop上で2次メッシュを描画し重ね合わせ画像化し、更にグレースケールの画像に変換したうえで、本稿における分布図の原図とした。これらの2次メッシュのコードについては、図1を参照されたい。

分布図は、「付録2. 分布図」に示した。それぞれの分布図の右下には、データとして用いられた検査標本数、3次メッシュ数、2次メッシュ数を表示した。

検査標本

これらの分布図の基となった標本の情報は、「付録1. 検査標本リスト」に示した。ここでは、種ごとに標本をまとめ、種の配列は学名のアルファベット順とした。それぞれの標本について、以下の情報を掲載した。①3次メッシュコード(<>内に示した8桁の数字)、②市町村、③標高、④生育基物、⑤植生等、⑥採集年月、⑦採集者、⑧採集者番号、⑨CBM-FL-で始まる登録番号(CBMは

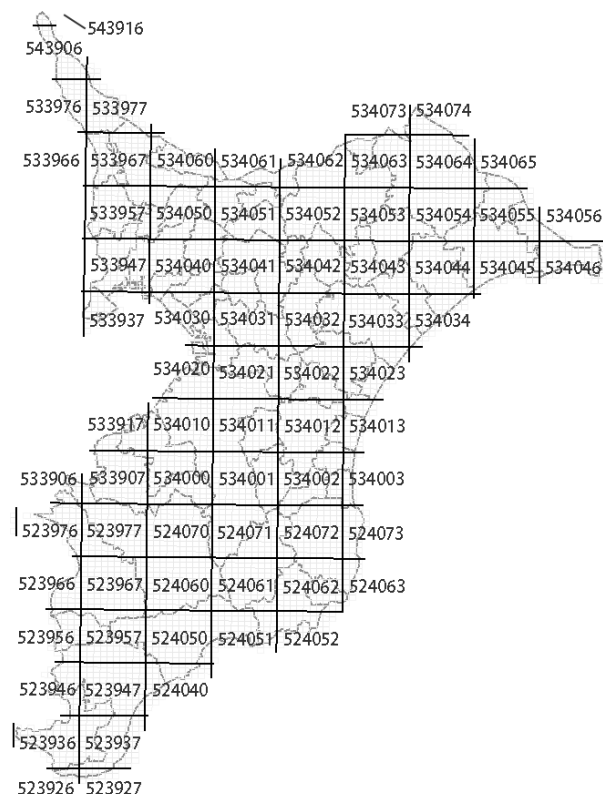


図 1. 千葉県地図。市町村界を示す白地図をベースに、3 次メッシュを表示した地図（生物多様性地理情報システムにより作成）に、2 次メッシュと 2 次メッシュコードを示した。種ごとの分布図は、2 次メッシュコードを記入しない形で、この地図（濃淡の修正を施した）を用いた。

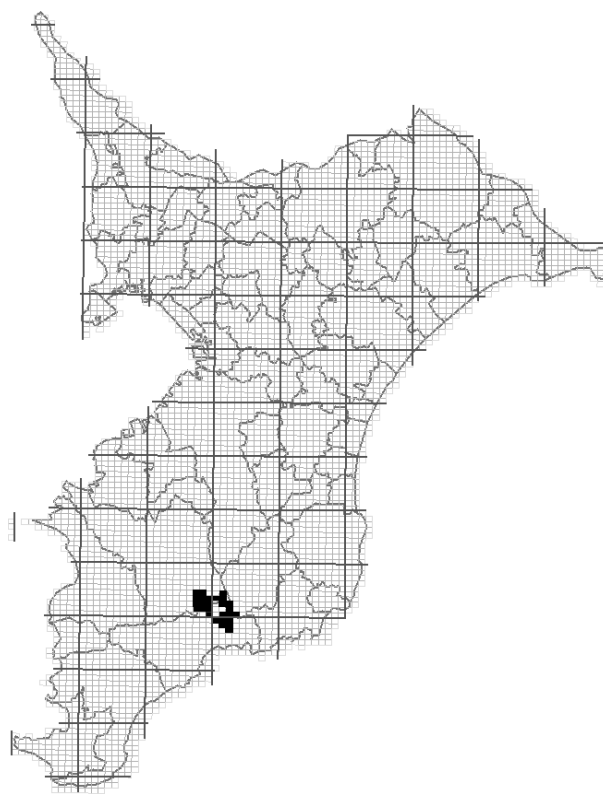


図 2. 東京大学千葉演習林の位置。演習林内の地衣類相調査（原田他 2017）において標本が採集された 3 次メッシュを塗りつぶした。

千葉県立中央博物館の国際的な略号，FL は館内における地衣類資料系のコード）。同一種内での標本の配列は，これらの項目のうちまず①の昇順，②の降順，更に③，④，⑤と順に⑧までの昇順とした。

ウメノキゴケ科地衣類の分布

種ごとの分布の傾向

分布図を示した 30 種のうち，採集された 3 次メッシュ数が多いのは，以下の 5 種であった。

- ① *Parmotrema tinctorum* ウメノキゴケ（3 次メッシュ 307，2 次メッシュ 54，標本 518）
- ② *Rimelia clavulifera* マツゲゴケ（3 次メッシュ 278，2 次メッシュ 51，標本 518）
- ③ *Parmotrema austrosinense* ナミガタウメノキゴケ（3 次メッシュ 191，2 次メッシュ 51，標本 270）
- ④ *Parmelinopsis minarum* トゲウメノキゴケ（3 次メッシュ 172，2 次メッシュ 39，標本 294）
- ⑤ *Parmelinopsis spumosa* コナヒメウメノキゴケ（3 次メッシュ 139，2 次メッシュ 41，標本 245）

3 次メッシュ数が最も多かった（以下，丸の中の数字は 3 次メッシュ数の多い順）① *Parmotrema tinctorum* ウメノキゴケ（Fig. 8D）では，概ね全県的に分布するが，北西部と北東部で密度が低くなっていた。北東部は調査密度が低いことがそのまま反映されているが，北西部では白井市や松戸市で詳細な調査を行った割に出現頻度が低かったことの表れである。② *Rimelia clavulifera* マツゲゴケ（Fig. 9D）の分布もこれと概ね同様で，④ *Parmelinopsis minarum* トゲウメノキゴケ（Fig. 7D）と⑤ *Parmelinopsis spumosa* コナヒメウメノキゴケ（Fig. 8A）では，①と比べて全体的に密度が低く，特に北西部で顕著である。これに対して③ *Parmotrema austrosinense* ナミガタウメノキゴケ（Fig. 8B）の分布は多少とも異なった。①と比較すると南部で密度が低く，中央部以北では概ね同じだが，北西部では密度が高い傾向が見られた。これは，野外調査における印象とも一致している。

更に，⑥ *Punctelia borrieri* ハクテンゴケ（Fig. 9B），

⑦ *Myelochroa leucotylica* ヒカゲウチキウメノキゴケ (Fig. 6B), ⑧ *Flavoparmelia caperata* キウメノキゴケ (Fig. 3D), ⑨ *Punctelia rudecta* トゲハクテンゴケ (Fig. 9B) の4種は、全県的に分布し、かつ房総丘陵に集中することもないという点で互いに一致しているが、①と③の中間的な分布パターンで、密度が低い。これに対して⑩ *Hypotrachyna osseocalva* ゴンゲンゴケ (Fig. 4B) は、東京大学千葉演習林を中心とした房総丘陵に集中している。

更に3次メッシュ数が少なくなるにつれて、例外なく、房総丘陵に分布が限られていく。特に採集されたメッシュ数が少ない種では、東京大学千葉演習林を中心とした地域に産地が局限する、あるいは集中する傾向がある [例えば *Cetrelia braunsiana* トゲトコブシゴケ (Fig. 3B), *C. japonica* チヂレトコブシゴケ (Fig. 3C), *Hypotrachyna adducta* ナメラゴンゲンゴケ (Fig. 4A), *Myelochroa hayachinensis* ハヤチネウメノキゴケ (Fig. 5D), *Parmelia laevior* テリハゴケ (Fig. 7A), *P. pseudolaevior* チヂレテリハゴケ (Fig. 7B) など]。ただし、*Myelochroa aurulenta* コナウチキウメノキゴケ (Fig. 5B), *M. metarevoluta* コフキチョロギウメノキゴケ (Fig. 6C), *Parmotrema ultralucens* ウラグロマツゲゴケ (Fig. 9A) の3種は、房総丘陵に限られるものの、演習林に特徴的というわけではない。このうち前者2種が、粉芽を生じる種であることは興味深い。

課題と今後の計画

このように30種について県内における分布傾向を把握することができたとは言え、最も採集された3次メッシュ数が多かった *Parmotrema tinctorum* ウメノキゴケでさえも、307メッシュであり、全県で約5400メッシュのうち約5.7%に過ぎない。県北西部を除けば、分布調査を実施したほとんどの地点で本種が採集されたことから、この数値は、調査地点が限られていることを単純に示している。本種は、県北西部と、千葉市付近の東京湾岸を除けば、県全域に分布することが予想されることから、塗りつぶされたメッシュの密度が低い地域に、調査地点を増やしていくことで、全県的な調査を効率よく進めていくことができるだろう。

また今回は、ウメノキゴケ科の葉状地衣のみを扱ったが、他の科では、どのような分布を示すのだろうか？今回示した分布図と同様の傾向を示す種があることも十分予想されるが、全く異なる分布を示す種もあるだろう。他の分類群についても分布図を作成し、比較することで、

千葉県内における地衣類の分布のみならず、それぞれの種の特性や、地衣類を含む生物多様性について、新たな発見が期待される。

掲載種の分類と写真等の情報

本稿で採用した学名と和名は、基本的には「都道府県別地衣類のチェックリスト(4). 千葉県」(原田2008)に従った。ウメノキゴケ科を含め地衣類の多くの群においては、近年は分子系統解析により分類が見直され、学名の変更が必要となった種が多数あり、本稿で扱った種の中にも該当種が含まれる。このような変更は、千葉県のチェックリストの改訂版に反映したうえで、修正を図っていききたい。

「房総の地衣類誌」の成果は、千葉の県立博物館デジタルミュージアムのコンテンツ「房総の地衣類誌」(*)において、2019年5月からウェブ公開をし、このときは100種の画像を掲載していたが、2021年3月には222種の写真を掲載するに至った。ここには、本稿に掲載された30種のうち26種が含まれているので、必要に応じて閲覧していただきたい。今後も「房総の地衣類誌」に関連する研究成果を、当館の研究報告を含めた学術雑誌や、報告書に公表した後に、このウェブコンテンツにも反映していく予定である。

*) https://www.chiba-muse.or.jp/NATURAL/special/chii_boso/boso-index.html

おわりに

今回掲載した分布図と標本リストは、千葉県立中央博物館における調査研究事業「房総の地衣類誌」の成果の一つである。扱った30種は、既に300種ほど記録がある千葉県産地衣類のうち10分の1にしか過ぎない。今後は残る種についても同様に公表していくとともに、今回掲載した種についても定期的に改訂していくことで、県内における分布の解明状況を把握していきたい。

地衣類のみならず、千葉県内におけるあらゆる生物の分布情報は、千葉県生物多様性センター(県自然保護課)が網羅的に収集し、「生物多様性地理情報システム」で管理され希少生物の保護等に活用されている。2021年10月末現在のデータ件数は約67万件となっているが、千葉県立中央博物館の収蔵標本のデータと、調査研究活動による成果が、その大きな部分を占めている。地衣類に関しては、このシステムに5370件の情報が登録され

ており、その全てが当館の標本データと、それに基づく研究発表のデータである。ただし、この情報が提供されたのは、生物多様性センターの発足当時と 2013 年であり、その後情報は更新されず、上述の分布調査の成果は反映されていなかった。今回、本稿によって公表されるデータを加え、地衣類の情報はおよそ 10 年ぶりに更新されることが可能になった。今後も博物館として新たな情報を公表した際には、このシステムの情報を更新し、最新の情報に基づいて生物の保護等に活用していくことが期待される。

謝辞 調査、標本の収集にあたっては、多くの方々に協力していただいた。特に以下の方々は多くの標本を収集してくださった。泉宏子、川名興、高宮宏、弦巻滋子、松田（松下）晃子、森田考恵、吉川裕子（敬称略、五十音順）。お礼申し上げる。

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付録 1. 検査標本リスト

分布図を示したウメノキゴケ科葉状地衣 30 種の検査標本のリストを示す。分布図と同様に、学名のアルファベット順とした。それぞれの種内での標本の配列は、「検査標本」の項を参照せよ。

● *Canomaculina subtinctoria* (Zahlbr.) Elix/ オオチヂレマツゲゴケ

<52393606>, 館山市, 28 m elev., on trunk of *Cinnamomum camphora*, 2015.12, coll. H.Izumi, H.Yoshikawa & H.Harada no. 1332 (CBM-FL-101173). <52394799>, 南房総市, 60 m elev., on trunk of *Prunus* × *yedoensis*, 2000.01, coll. T.Kawana no. 13024 (CBM-FL-12673). <52395715>, 南房総市, 100 m elev., on rocks, 2000.01, coll. T.Kawana no. 12205 (CBM-FL-12610). <52395723>, 南房総市, 67 m elev., on trunk of *Ilex rotunda*, 2015.12, coll. A.Sakata et al. no. 3873 (CBM-FL-101480). <52395770>, 鋸南町, 60 m elev., on trunk of *Diospyros kaki*, 1996.08, coll. T.Kawana no. 96080404 (CBM-FL-9106). <52395796>, 富津市, 130 m elev., on trunk of *Diospyros kaki*, 1997.12, coll. H.Harada no. 18656 (CBM-FL-10712). <52396703>, 富津市, 100 m elev., on trunk of *Ginkgo biloba*, 1996.02, coll. T.Kawana no. 96020305 (CBM-FL-8772). <52396708>, 富津市, 120 m elev., on trunk of *Quercus serrata*, 1997.10, coll. H.Harada no. 18423 (CBM-FL-10341). <52396745>, 富津市, 40 m elev., on bark of *Castanopsis sieboldii*, 1997.10, coll. H.Harada no. 18377 (CBM-FL-10295); on tombstone, 1997.10, coll. H.Harada no. 18378 (CBM-FL-10296). <千葉メッシュ 6157/ 52396747>, 富津市, 60 m elev., on trunk of *Diospyros kaki*, 1999.03, coll. T.Kawana no. 99032712 (CBM-FL-12186); T.Kawana no. 99032818 (CBM-FL-12209). <52405195>, 鴨川市, 80 m elev., on trunk of *Acer* sp., 2017.01, coll. H.Harada et al. no. 31836 (CBM-FL-203435). <52406221>, 勝浦市, 90 m elev., on rock, 2000.03, coll. T.Kawana no. 32610 (CBM-FL-13045). <52406248>, 御宿町, 35 m elev., on wooden bench, 2017.01, coll. H.Yoshikawa no. 1818 (CBM-FL-102368). <52407105>, 大多喜町, 91 m elev., on bow of *Cinnamomum japonica*, 2009.12, coll. H.Harada no. 26146 (CBM-FL-24596) & 26148 (CBM-FL-24598). <52407273>, いすみ市, 35 m elev., on stone lantern, 2016.06, coll. H.Izumi et al. no. 1605 (CBM-FL-102117); on trunk of *Zelkova serrata*, 2016.06, coll. H.Izumi et al. no. 1617 (CBM-FL-102126). <52407372>, いすみ市, 7 m elev., on trunk of *Ilex integra*, 2015.12, coll. H.Izumi & H.Harada no. 1460 (CBM-FL-101550). <53400159>, 長南町, 30 m elev., on trunk of *Diospyros kaki*, 2021.09, coll. A.Sakata no. 6084 (CBM-FL-206358). <53400201>, 睦沢町, 87 m elev., on trunk of *Paulownia tomentosa*, 2016.06, coll. H.Yoshikawa et al. no. 1463 (CBM-FL-102084). <53401251>, 茂原市,

59 m elev., on trunk of *Castanopsis sieboldii*, 2019.08, coll. H.Izumi no. 2466 (CBM-FL-103458)

● *Cetrelia braunsiana* (Müll.Arg.) W.L.Culb. & C.F.Culb./トゲトコブシゴケ

<52395796>, 富津市, 130 m elev., on tombstone, 1997.12, coll. H.Harada no. 18646 (CBM-FL-10702); on trunk of *Diospyros kaki*, 1997.12, coll. H.Harada no. 18656b (CBM-FL-12395). <52396708>, 富津市, 130 m elev., on branches of *Abies firma*, 1997.10, coll. H.Harada no. 18477 (CBM-FL-10392). <千葉メッシュ 6862/ 52405032>, 鴨川市, 150 m elev., on stone-walls, 2001.05, coll. T.Kawana no. 1051901 (CBM-FL-14300). <52405190>, 鴨川市, 260 m elev., on trunk of *Mallotus japonicus*, 2012.01, coll. H.Izumi no. 590 (CBM-FL-33305). <52405191>, 鴨川市, 280 m elev., on bark, 2014.01, coll. A.Sakata no. 2415 (CBM-FL-37169). <52405192>, 鴨川市, 170 m elev., on rotten tree, in forested gorge, 2012.01, coll. H.Izumi no. 608 (CBM-FL-33323). <52405195>, 鴨川市, 80 m elev., on trunk of *Prunus* sp., 2017.01, coll. H.Harada et al. no. 31834 (CBM-FL-40710). <52406036>, 君津市, 125 m elev., on trunk of *Prunus* sp., 2016.02, coll. H.Harada et al. no. 31193 (CBM-FL-101851). <52406038>, 君津市, 145 m elev., on trunk of deciduous hardwood, 2012.02, coll. H.Izumi no. 664 (CBM-FL-33714); 145 m elev., on trunk of *Swida controversa*, 2012.02, coll. H.Izumi no. 669 (CBM-FL-33719); 160 m elev., on bark of conifer, 2014.03, coll. H.Yoshikawa no. 722 (CBM-FL-37496); on branches of *Abies firma*, 2014.03, coll. H.Harada no. 28978 (CBM-FL-37462); 170 m elev., on trunk of tree, 2012.02, coll. A.Sakata no. 882 (CBM-FL-33543). <52406039>, 君津市, 300 m elev., on bough of *Abies firma*, 2013.12, coll. H.Yoshikawa no. 591 (CBM-FL-36924). <52406130>, 君津市, 240 m elev., on twigs of *Prunus* sp., 2013.12, coll. H.Izumi no. 886 (CBM-FL-36983). <52406131>, 君津市, 170 m elev., on trunk of *Pinus thunbergii*, 2015.12, coll. H.Yoshikawa no. 1101 (CBM-FL-201411). <52406141>, 君津市, 130 m elev., on branch of *Quercus serrata*, 2015.03, coll. H.Yoshikawa no. 1001 (CBM-FL-200730); 200 m elev., on bough of *Abies firma*, 2015.02, coll. H.Harada no. 30566 (CBM-FL-200465); on trunk of deciduous hardwood, 2014.12, coll. A.Sakata no. 2812 (CBM-FL-37944); H.Harada no. 29632 (CBM-FL-38005); H.Yoshikawa no. 813 (CBM-FL-38059); 230 m elev., on bough of *Quercus salicina*, 2014.12, coll. H.Harada no. 29602 (CBM-FL-37975); on trunk of *Quercus acuta*, 2015.02, coll. H.Harada no. 30546 (CBM-FL-200450); 255 m elev., on trunk of *Abies firma*, 2014.12, coll. H.Yoshikawa no. 801 (CBM-FL-38047). <52406250>, 勝浦市, 70 m elev., on tombstone, 2004.11, coll. H.Harada no. 21232 (CBM-FL-16290). <52406251>, 勝浦市, 84 m elev., on tombstone, 2021.04, coll. A.Sakata & H.Harada no. 6014 (CBM-FL-103607). <52407009>, 市原市, 250 m elev., on trunk of *Pinus densiflora*, 1991.08, coll. H.Harada no. 11945 (CBM-FL-3683). <52407100>, 市原市, 200 m elev., on trunk of *Prunus* sp., 1991.07, coll. H.Harada no. 11921 (CBM-FL-3659). <53400201>, 睦沢町, 87 m elev., on trunk of cherry tree, 2016.06, coll. H.Yoshikawa et al. no. 1471 (CBM-FL-102091)

● *Cetrelia japonica* (Zahlbr.) W.L.Culb. & C.F.Culb./チゼレトコブシゴケ

<52406141>, 君津市, 200 m elev., on bough of *Abies firma*, 2015.02, coll. H.Harada no. 30566b (CBM-FL-201128)

● *Flavoparmelia caperata* (L.) Hale/キウメノキゴケ

<52393775>, 南房総市, 30 m elev., on tombstone, 2000.02, coll. T.Kawana no. 21104 (CBM-FL-12747). <52395668>, 鋸南町, 80 m elev., on trunk of *Acer palmatum*, 1999.04, coll. T.Kawana no. 99040910 (CBM-FL-12130). <52395770>, 鋸南町, 45 m elev., on trunk of *Prunus* sp., 2012.03, coll. T.Kawana no. 12032608 (CBM-FL-100444). <52396708>, 富津市, 130 m elev., on trunk of *Abies firma*, 1997.10, coll. H.Harada no. 18392 (CBM-FL-10310). <千葉メッシュ 6162/ 52396732>, 富津市, 50 m elev., on trunk of *Prunus* sp., 2000.05, coll. T.Kawana no. 50603 (CBM-FL-13075). <52396751>, 富津市, 15 m elev., on tombstone, 1998.11, coll. T.Kawana no. 98111504 (CBM-FL-12061). <52396764>, 富津市, 40 m elev., on tombstone, 1997.06, coll. T.Kawana no. 97061417 (CBM-FL-9087). <千葉メッシュ 6139/ 52396769>, 君津市, 70 m elev., on trunk of *Diospyros kaki*, 2004.01, coll. T.Kawana no. 4012542 (CBM-FL-15683); on trunk of *Prunus* sp., 2004.01, coll. T.Kawana no. 4012601 (CBM-FL-15696).

<52397738>, 君津市, 60 m elev., on trunk of *Cryptomeria japonica*, 2000.07, coll. T.Kawana no. 70402 (CBM-FL-13164). <52397739>, 君津市, 40 m elev., on trunk of *Prunus* × *yedoensis*, 2000.07, coll. T.Kawana no. 70407 (CBM-FL-13169). <52397756>, 君津市, 30 m elev., on trunk of *Prunus* × *yedoensis*, 2000.10, coll. T.Kawana no. 101709 (CBM-FL-13419). <千葉メッシュ 5525/ 52397775>, 君津市, 20 m elev., on tombstone, 2000.08, coll. T.Kawana no. 82901 (CBM-FL-14025). <52397782>, 君津市, 10 m elev., on rocks, 2000.01, coll. T.Kawana no. 12708 (CBM-FL-12652). <52405020>, 鴨川市, 215 m elev., on trunk of *Cryptomeria japonica*, 2016.02, coll. A.Sakata et al. no. 4055 (CBM-FL-101912). <52405081>, 君津市, 340 m elev., on branch of *Castanopsis sieboldii*, 2017.01, coll. H.Yoshikawa no. 1846 (CBM-FL-102386). <52405195>, 鴨川市, 80 m elev., on twigs of *Rhododendron* sp., 2017.01, coll. H.Harada et al. no. 31832 (CBM-FL-102223). <52406000>, 君津市, 170 m elev., on trunk of *Tsuga sieboldii*, 1993.08, coll. A.Matsushita no. 653 (CBM-FL-4169). <52406035>, 君津市, 130 m elev., on trunk of *Prunus* sp., 2016.02, coll. A.Sakata et al. no. 4031 (CBM-FL-101891). <52406036>, 君津市, 125 m elev., on trunk of *Prunus* sp., 2016.02, coll. A.Sakata et al. no. 4035 (CBM-FL-101895). <52406041>, 君津市, 100 m elev., on trunk of *Prunus mume*, 2002.02, coll. T.Kawana no. 2022627 (CBM-FL-14392). <52406066>, 君津市, 88 m elev., on trunk of *Prunus* sp., 2014.10, coll. H.Izumi no. 1053 (CBM-FL-100803). <52406077>, 君津市, 89 m elev., on twigs of *Rhododendron* sp., 2014.10, coll. H.Izumi no. 1025 (CBM-FL-100775). <52406227>, 御宿町, 10 m elev., on tombstones, 1994.09, coll. A.Matsuda no. 831 (CBM-FL-6430). <52407042>, 君津市, 237 m elev., on trunk of *Prunus* sp., 2012.12, coll. T.Kawana no. 12122801 (CBM-FL-35406). <52407069>, 市原市, 90 m elev., on trunk of *Acer* sp., 2015.12, coll. A.Sakata et al. no. 3780 (CBM-FL-101260). <52407070>, 君津市, 70 m elev., on trunk of *Prunus* sp., 2012.11, coll. T.Kawana no. 19111930 (CBM-FL-35344). <52407102>, 市原市, 100 m elev., on trunk of *Prunus* sp., 1991.07, coll. M.Ishibashi no. 30 (CBM-FL-3427) & 37 (CBM-FL-3434); 120 m elev., on bark of *Cryptomeria japonica*, 1989.04, coll. H.Harada no. 9201 (CBM-FL-253). <52407160>, 市原市, 65 m elev., on trunk of *Quercus acutissima*, 2015.12, coll. H.Yoshikawa et al. no. 1157 (CBM-FL-101319); 80 m elev., on trunk of *Prunus* × *yedoensis*, 2015.12, coll. A.Sakata et al. no. 3749 (CBM-FL-101230). <53395793>, 松戸市, 4 m elev., on trunk of *Prunus* sp., 2016.04, coll. A.Sakata no. 4214 (CBM-FL-102031). <53395794>, 松戸市, 23 m elev., on trunk of *Prunus* sp., 2017.03, coll. A.Sakata no. 4960 (CBM-FL-102519). <53396704>, 松戸市, 19 m elev., on trunk of deciduous hardwood, 2013.04, coll. A.Sakata no. 1693 (CBM-FL-100509). <53397702>, 野田市, 20 m elev., on trunk of *Prunus* sp., 2016.01, coll. A.Sakata & H.Harada no. 3954 (CBM-FL-101796). <53400051>, 袖ヶ浦市, 10 m elev., on tombstone, 1995.12, coll. H.Harada no. 15897 (CBM-FL-6490). <53400147>, 長南町, 40 m elev., on trunk of *Prunus* × *yedoensis*, 2000.03, coll. T.Kawana no. 30541 (CBM-FL-12853). <53400149>, 長南町, 30 m elev., on trunk of *Cryptomeria japonica*, 2021.09, coll. H.Harada no. 34004 (CBM-FL-103622). <53400155>, 市原市, 101 m elev., on trunk of *Prunus* × *yedoensis*, 2015.10, coll. H.Yoshikawa no. 1032 (CBM-FL-101106). <53400159>, 長南町, 30 m elev., on trunk of *Cerasus* sp., 2021.09, coll. H.Harada no. 34018 (CBM-FL-103626). <千葉メッシュ 5025/ 53400175>, 長柄町, 50 m elev., on trunk of *Diospyros kaki*, 2000.02, coll. T.Kawana no. 22712 (CBM-FL-12812). <53400178>, 長南町, 50 m elev., on tombstone, 2000.04, coll. T.Kawana no. 40701 (CBM-FL-13036). <53400201>, 睦沢町, 87 m elev., on trunk of cherry tree, 2016.06, coll. H.Yoshikawa et al. no. 1469 (CBM-FL-102089); 95 m elev., on trunk of cherry tree, 2016.06, coll. H.Harada et al. no. 31628 (CBM-FL-102057); H.Izumi et al. no. 1637 (CBM-FL-102142). <53400229>, 一宮町, 12 m elev., on trunk of *Prunus* × *yedoensis*, 2015.12, coll. H.Izumi & H.Harada no. 1448 (CBM-FL-101538). <千葉メッシュ 5155/ 53400245>, 睦沢町, 40 m elev., on trunk of *Prunus* sp., at forest margin, 1991.08, coll. H.Takamiya no. 91057 (CBM-FL-2676). <53400301>, 一宮町, 5 m elev., on bark of *Pinus thunbergii*, 1988.11, coll. H.Harada no. 9171 (CBM-FL-238). <53401171>, 市原市, 50 m elev., on trunk of deciduous hardwood, 2013.03, coll. H.Yoshikawa no. 371 (CBM-FL-100251). <53401220>, 茂原市, 26 m elev., on trunk of *Cryptomeria japonica*, 2019.11, coll. H.Izumi no. 2501 (CBM-FL-103492). <53401273>, 茂原市, 22 m elev., on trunk of *Prunus* sp., 2019.04, coll. H.Izumi no. 2310 (CBM-FL-103299). <53402039>, 市原市, 5 m elev., on trunk of

deciduous hardwood, 2013.03, coll. H.Yoshikawa no. 382 (CBM-FL-100262). <53402133>, 市原市, 8 m elev., on trunk of *Prunus × yedoensis* with mosses, 2013.11, coll. H.Yoshikawa no. 557 (CBM-FL-100954); 11 m elev., on trunk of *Prunus × yedoensis*, 2013.03, coll. H.Yoshikawa no. 418 (CBM-FL-100840); 36 m elev., on trunk of *Celtis sinensis* var. *japonica*, 2013.04, coll. H.Yoshikawa no. 429 (CBM-FL-100851). <53402134>, 市原市, 30 m elev., on trunk of *Prunus × yedoensis*, 2012.12, coll. H.Yoshikawa no. 225 (CBM-FL-100111); on trunk of *Zelkova serrata*, 2012.12, coll. H.Yoshikawa no. 226 (CBM-FL-100112) & 228 (CBM-FL-100114). <53402153>, 千葉市緑区, 30 m elev., on trunk of deciduous hardwood, 2015.11, coll. S.Takano no. 2 (CBM-FL-101125). <53402164>, 千葉市緑区, 23 m elev., on trunk of *Acer palmatum* var. *matsumurae*, 2013.11, coll. H.Yoshikawa no. 521 (CBM-FL-100917). <53402198>, 千葉市若葉区, 50 m elev., on bark of *Carpinus tshonoskii*, 1993.09, coll. H.Harada no. 13898 (CBM-FL-4538). <53402281>, 千葉市若葉区, 50 m elev., on trunk of *Prunus mume*, 2019.12, coll. H.Izumi no. 2521 (CBM-FL-103501). <53402291>, 千葉市若葉区, 45 m elev., on trunk of *Magnolia praecoccissima*, 2013.04, coll. H.Izumi no. 206 (CBM-FL-102741); on trunk of *Quercus myrsinaefolia*, 2013.04, coll. H.Izumi no. 209 (CBM-FL-102744). <53402294>, 八街市, 67 m elev., on trunk of *Prunus* sp., 2017.04, coll. H.Izumi no. 1873 (CBM-FL-102935). <53402332>, 東金市, 5 m elev., on trunk of *Prunus* sp., 1992.12, coll. A.Matsushita no. 504 (CBM-FL-3241). <53403106>, 千葉市若葉区, 37 m elev., on trunk of *Prunus* sp., 2018.01, coll. H.Izumi no. 2125 (CBM-FL-103107). <53403111>, 千葉市中央区, 23 m elev., on bough of *Quercus acutissima*, 2019.09, coll. A.Sakata & H.Harada no. 5658 (CBM-FL-103404). <53403260>, 八街市, 21 m elev., on trunk of *Prunus* sp., 2016.12, coll. H.Izumi no. 1695 (CBM-FL-102851). <53403261>, 八街市, 36 m elev., on trunk of *Lindera praecox*, 2013.04, coll. H.Izumi no. 317 (CBM-FL-102794). <53403261>, 八街市, 38 m elev., on trunk of *Lindera praecox*, 2013.04, coll. H.Izumi no. 330 (CBM-FL-102803); on trunk of *Prunus* sp., 2018.03, coll. H.Harada & H.Izumi no. 32196 (CBM-FL-103141). <53403279>, 山武市, 40 m elev., on trunk of *Cercidiphyllum japonicum*, 2012.12, coll. H.Harada no. 27858 (CBM-FL-100050). <53403397>, 横芝光町, 7 m elev., on trunk of *Zelkova serrata*, 2012.12, coll. H.Harada no. 27688 (CBM-FL-100010). <53404007>, 千葉市花見川区, 16 m elev., on trunk of *Prunus* sp., 2019.05, coll. S.Tsurumaki no. 19050903 (CBM-FL-206104); 17 m elev., on trunk of *Magnolia grandiflora*, 2019.05, coll. S.Tsurumaki no. 19052405 (CBM-FL-206129); 19 m elev., on trunk of *Ligustrum japonicum*, 2019.05, coll. S.Tsurumaki no. 19051004 (CBM-FL-206119); on trunk of *Prunus* sp., 2019.05, coll. S.Tsurumaki no. 19050913 (CBM-FL-206114). <53404048>, 千葉市花見川区, 27 m elev., on trunk of *Quercus acutissima*, 2017.02, coll. S.Tsurumaki no. 17021904 (CBM-FL-204212). <53404676>, 銚子市, 3.5 m elev., on trunk of *Zelkova serrata*, 2015.12, coll. A.Sakata et al. no. 3813 (CBM-FL-101437). <53405066>, 白井市, 20 m elev., on trunk of *Quercus acutissima*, 2007.01, coll. H.Harada no. 24350 (CBM-FL-23000). <53405104>, 印西市, 23 m elev., on trunk of *Prunus × yedoensis*, 2012.12, coll. H.Harada & R.Harada no. 27896 (CBM-FL-100094). <53405245>, 成田市, 31 m elev., on twig of *Rhododendron* sp., 2021.03, coll. A.Sakata no. 5934 (CBM-FL-103599). <53405534>, 東庄町, 40 m elev., on trunk of *Prunus* sp., 2015.12, coll. A.Sakata et al. no. 3888 (CBM-FL-101706). <53406472>, 香取市, 40 m elev., on trunk of *Quercus acutissima*, 2017.01, coll. H.Yoshikawa no. 1751 (CBM-FL-102322). <54391612>, 野田市, 19 m elev., on trunk of *Prunus* sp., 2017.05, coll. A.Sakata no. 5066 (CBM-FL-102629)

● *Hypotrachyna adducta* (Nyl.) Hale/ ナメラゴンゲンゴケ

<52406028>, 君津市, 260 m elev., on branches of *Abies firma*, 2011.02, coll. H.Harada no. 26423 (CBM-FL-30401); 275 m elev., on twig of *Abies firma*, 2014.03, coll. H.Yoshikawa no. 702 (CBM-FL-37476); 280 m elev., on twigs of *Abies firma*, 2012.12, coll. H.Harada no. 27742 (CBM-FL-34431). <52406039>, 君津市, 280 m elev., on twig of *Abies firma*, 2013.12, coll. H.Yoshikawa no. 580 (CBM-FL-36913); on twigs of *Abies firma*, 2013.12, coll. H.Harada no. 28709 (CBM-FL-36755). <52406103>, 鴨川市, 280 m elev., on twig of *Abies firma*, along a forestry road, 2016.02, coll. H.Harada no. 31289 (CBM-FL-201991)

● *Hypotrachyna osseocalba* (Vain.) Y.S.Park & Hale/ ゴンゲンゴケ

<52393775>, 南房総市, 70 m elev., on trunk of *Cryptomeria japonica*, 2000.02, coll. T.Kawana no. 21128 (CBM-FL-12771). <52396703>, 富津市, 100 m elev., on trunk of *Cinnamomum japonicum*, 1995.12, coll. T.Kawana no. 95121507 (CBM-FL-8349). <52396708>, 富津市, 120 m elev., on trunk of *Castanopsis sieboldii*, 1997.10, coll. H.Harada no. 18406 (CBM-FL-10324); on trunk of *Cryptomeria japonica*, 1997.10, coll. H.Harada no. 18459 (CBM-FL-10374); on trunk of *Quercus serrata*, 1997.10, coll. H.Harada no. 18405 (CBM-FL-10323). <52396709>, 君津市, 250 m elev., on bark of deciduous hardwood, on ridge, 1994.03, coll. A.Matsushita no. 771 (CBM-FL-4832); on dead-standing trunk of *Abies firma*, in forest on ridge, 1993.10, coll. A.Matsushita no. 722 (CBM-FL-4688); on trunk of *Cephalotaxus harringtonia*, in forest on ridge, 1993.10, coll. A.Matsushita no. 730 (CBM-FL-4696). <千葉メッシュ6151/52396741>, 富津市, 20 m elev., on trunk of *Cryptomeria japonica*, 2000.12, coll. T.Kawana no. 120204 (CBM-FL-14299). <52396749>, 君津市, 80 m elev., on trunk of *Pourthiaea villosa* var. *laevis*, 2003.11, coll. T.Kawana no. 3112418 (CBM-FL-15655). <52397707>, 君津市, 350 m elev., on rocks, 1998.12, coll. T.Kawana no. 98120402 (CBM-FL-12236). <52397769>, 君津市, 60 m elev., on trunk of *Prunus mume*, 2012.12, coll. T.Kawana no. 12120242 (CBM-FL-35392). <52405013>, 鴨川市, 70 m elev., on trunk of *Cryptomeria japonica*, 2000.01, coll. T.Kawana no. 10910 (CBM-FL-12459). <52405017>, 鴨川市, 99 m elev., on trunk of *Prunus* sp., 2016.02, coll. H.Harada et al. no. 31202 (CBM-FL-101858). <52405081>, 君津市, 340 m elev., on trunk of *Castanopsis sieboldii*, 2017.01, coll. H.Yoshikawa no. 1858 (CBM-FL-102393). <千葉メッシュ6811/52405081>, 君津市, 200 m elev., on trunk of *Quercus salicina*, 2002.03, coll. T.Kawana no. 2031711 (CBM-FL-14519); on trunk of *Quercus serrata*, 2002.03, coll. T.Kawana no. 2031702 (CBM-FL-14510); 220 m elev., on fallen timber (*Quercus serrata*), 2002.12, coll. T.Kawana no. 2121908 (CBM-FL-15195). <52405181>, 鴨川市, 250 m elev., on branch of deciduous hardwood, 2015.03, coll. H.Yoshikawa no. 975 (CBM-FL-200705). <52405190>, 鴨川市, 260 m elev., on branch of *Abies firma*, 2014.03, coll. H.Izumi no. 974 (CBM-FL-37547); H.Yoshikawa no. 699 (CBM-FL-37473); on trunk of *Mallotus japonicus*, 2012.01, coll. H.Harada no. 27035 (CBM-FL-33032) & 27029-b (CBM-FL-203364); 280 m elev., on trunk of *Cryptomeria japonica*, 2012.02, coll. H.Izumi no. 698 (CBM-FL-33748); on trunk of *Quercus serrata*, 2012.02, coll. H.Harada no. 27268 (CBM-FL-33506). <52405191>, 鴨川市, 250 m elev., on bark of deciduous hardwood, 1989.04, coll. H.Harada no. 9245 (CBM-FL-287); 265 m elev., on branch of *Abies firma*, 2013.01, coll. H.Yoshikawa no. 297 (CBM-FL-35084); on trunk of *Abies firma*, 2013.01, coll. H.Yoshikawa no. 294 (CBM-FL-35081); 275 m elev., on branch of *Abies firma*, 2013.01, coll. H.Harada no. 27916 (CBM-FL-34869); H.Izumi no. 793 (CBM-FL-35020) & 798 (CBM-FL-35025); on branch of deciduous hardwood, 2013.01, coll. H.Yoshikawa no. 274 (CBM-FL-35061); 2014.03, coll. H.Yoshikawa no. 695-c (CBM-FL-32681); on branch of *Quercus acuta*, 2014.03, coll. H.Izumi no. 972 (CBM-FL-37545); on trunk of deciduous hardwood, 2013.01, coll. H.Izumi no. 802 (CBM-FL-35029); on twig of *Abies firma*, 2013.01, coll. H.Yoshikawa no. 271-c (CBM-FL-201741); 280 m elev., on branch, 2014.01, coll. A.Sakata no. 2412 (CBM-FL-37166); on branch of *Cryptomeria japonica*, 2014.01, coll. H.Yoshikawa no. 632 (CBM-FL-37264); on branch of *Cryptomeria japonica*, 2014.01, coll. H.Yoshikawa no. 638 (CBM-FL-37270); on trunk of *Quercus glauca*, 2012.01, coll. H.Izumi no. 571 (CBM-FL-33286); on trunk of *Quercus* sp., 2012.01, coll. A.Sakata no. 752 (CBM-FL-33119); on twigs of *Torreya nucifera*, 2014.01, coll. H.Izumi no. 929 (CBM-FL-37325); 300 m elev., on bark, 2014.01, coll. A.Sakata no. 2458 (CBM-FL-37212); on trunk of *Chamaecyparis obtusa*, 2014.01, coll. A.Sakata no. 2446 (CBM-FL-37200); on trunk of *Quercus acuta*, 2014.01, coll. H.Izumi no. 948 (CBM-FL-37344); 310 m elev., on branch of *Cryptomeria japonica*, 2014.01, coll. H.Yoshikawa no. 653 (CBM-FL-37285); 330 m elev., on bough of *Abies firma*, 2014.01, coll. A.Sakata no. 2461 (CBM-FL-37215); on bough of *Abies firma*, 2014.01, coll. H.Izumi no. 953 (CBM-FL-37349); on branch of *Abies firma*, 2014.01, coll. H.Izumi no. 963 (CBM-FL-37359); H.Yoshikawa no. 668 (CBM-FL-37300); 350 m elev., on trunk of *Abies firma*, 2014.01, coll.

H.Harada no. 28833 (CBM-FL-37083). <52405192>, 鴨川市, 335 m elev., on trunk of *Cryptomeria japonica*, 2011.02, coll. H.Izumi no. 522 (CBM-FL-30478); 360 m elev., on trunk of *Quercus acuta*, around a forested peak, 2016.02, coll. H.Yoshikawa no. 1330 (CBM-FL-202081). <52405194>, 鴨川市, 135 m elev., on trunk of deciduous hardwood, 2017.01, coll. H.Yoshikawa et al. no. 1718 (CBM-FL-203465); on trunk of *Diospyros japonica*, 2017.01, coll. A.Sakata et al. no. 4916 (CBM-FL-102275); on trunk of *Prunus* sp., 2017.01, coll. H.Harada et al. no. 31857 (CBM-FL-102240). <52405195>, 鴨川市, 80 m elev., on branch of *Prunus* sp., 2017.01, coll. A.Sakata et al. no. 4901 (CBM-FL-102261); on trunk of *Rhododendron* sp., 2017.01, coll. A.Sakata et al. no. 4900 (CBM-FL-102260). <52406000>, 君津市, 260 m elev., on trunk of *Quercus myrsinaefolia*, on mountain ridge, 1997.04, coll. H.Harada no. 17044 (CBM-FL-8677). <52406017>, 君津市, 290 m elev., on branch of deciduous hardwood, on forested ridge, 2014.12, coll. H.Yoshikawa no. 778 (CBM-FL-37881); on trunk of *Quercus salicina*, on forested ridge, 2014.12, coll. H.Izumi no. 1088 (CBM-FL-37811) & 1092 (CBM-FL-37815). <52406018>, 君津市, 280 m elev., on branch of *Abies firma*, 2012.12, coll. H.Yoshikawa no. 145 (CBM-FL-34620); 290 m elev., on trunk of *Quercus glauca*, 2012.12, coll. H.Izumi no. 731 (CBM-FL-34704); 300 m elev., on bark of *Castanopsis sieboldii*, 2012.12, coll. H.Yoshikawa no. 144 (CBM-FL-34619). <52406019>, 君津市, 330 m elev., on trunk of *Ilex integra*, 2012.02, coll. H.Yoshikawa no. 103 (CBM-FL-33668); 君津市・鴨川市, 310 m elev., on branch of *Neolitsea sericea*, 2012.12, coll. O.Watanuki no. L01134 (CBM-FL-34855). <52406027>, 君津市, 320 m elev., on trunk of *Abies firma*, on forested ridge, 2014.12, coll. A.Sakata no. 2616 (CBM-FL-37825). <52406028>, 君津市, 170 m elev., on branch, 2012.12, coll. H.Izumi no. 774 (CBM-FL-34746); on branch of *Cryptomeria japonica*, 2012.12, coll. H.Yoshikawa no. 200 (CBM-FL-34675); 180 m elev., on branch, 2012.12, coll. H.Izumi no. 765 (CBM-FL-34737) & 767 (CBM-FL-34739); 200 m elev., on branch of *Cryptomeria japonica*, 2012.12, coll. H.Yoshikawa no. 180 (CBM-FL-34655); on branch of deciduous hardwood, 2012.12, coll. H.Yoshikawa no. 187 (CBM-FL-34662); 220 m elev., on branch of *Cryptomeria japonica*, 2012.12, coll. H.Izumi no. 752 (CBM-FL-34724); 260 m elev., on branch of *Abies firma*, 2011.02, coll. A.Sakata no. 304 (CBM-FL-30442); on branch of *Abies firma*, 2011.02, coll. A.Sakata no. 305 (CBM-FL-30443); on branches of *Abies firma*, 2011.02, coll. H.Harada no. 26418 (CBM-FL-201693); 275 m elev., on branch of *Abies firma*, 2014.03, coll. H.Yoshikawa no. 703 (CBM-FL-37477); on branch of *Quercus acuta*, 2014.03, coll. H.Yoshikawa no. 701 (CBM-FL-37475); 280 m elev., on bark of *Abies firma*, 2012.12, coll. H.Yoshikawa no. 157 (CBM-FL-34632); on branch of *Abies firma*, 2012.12, coll. H.Izumi no. 738 (CBM-FL-34711); on twigs of *Abies firma*, 2012.12, coll. H.Yoshikawa no. 153 (CBM-FL-34628); 300 m elev., on branch of *Abies firma*, on forested ridge, 2014.12, coll. H.Yoshikawa no. 766 (CBM-FL-37869); on trunk of *Abies firma*, on forested ridge, 2014.12, coll. H.Yoshikawa no. 768 (CBM-FL-37871) & 769 (CBM-FL-37872). <52406029>, 鴨川市, 315 m elev., on trunk of *Abies firma*, 2013.12, coll. H.Yoshikawa no. 572 (CBM-FL-36905); on trunk of *Tsuga sieboldii*, 2013.12, coll. H.Izumi no. 862 (CBM-FL-36959); 君津市・鴨川市, 310 m elev., on bark of *Quercus glauca*, 2012.12, coll. H.Yoshikawa no. 208 (CBM-FL-34683); on trunk of deciduous hardwood, 2012.12, coll. A.Sakata no. 1318 (CBM-FL-34598); on trunk of *Quercus glauca*, 2012.12, coll. H.Harada no. 27806 (CBM-FL-34494); on trunk of *Quercus salicina*, 2012.12, coll. H.Izumi no. 786 (CBM-FL-34758). <52406035>, 君津市, 185 m elev., on trunk of *Abies firma*, 2016.02, coll. A.Sakata et al. no. 4015 (CBM-FL-101879); on trunk of deciduous hardwood, 2016.02, coll. H.Yoshikawa et al. no. 1296 (CBM-FL-101916). <52406036>, 君津市, 125 m elev., on trunk of *Prunus* sp., 2016.02, coll. A.Sakata et al. no. 4034 (CBM-FL-101894). <52406037>, 君津市, 260 m elev., on trunk of *Quercus acuta*, on forested ridge, 2016.03, coll. H.Izumi no. 1543 (CBM-FL-202369) & 1552 (CBM-FL-202378); on trunk of *Quercus salicina*, on forested ridge, 2016.03, coll. A.Sakata no. 4158 (CBM-FL-202251). <52406038>, 君津市, 160 m elev., on branch of *Abies firma*, 2014.03, coll. H.Yoshikawa no. 723 (CBM-FL-37498); on twigs of *Abies firma*, 2014.03, coll. H.Harada no. 28967 (CBM-FL-37451); 180 m elev., on trunk of *Mallotus japonicus*, 2012.02, coll. H.Harada no. 27155 (CBM-FL-33393); 195 m elev., on trunk of *Prunus* sp., 2012.02, coll. H.Izumi no. 648 (CBM-FL-33698); 220 m elev., on trunk of *Chamaecyparis obtusa*, 2012.01, coll. H.Yoshikawa no. 20 (CBM-FL-33238); on trunk of

pine trees, 2017.03, coll. H.Harada no. 31913 (CBM-FL-203637); 235 m elev., on branch of *Cryptomeria japonica*, 2014.12, coll. H.Izumi no. 1062 (CBM-FL-37785); 275 m elev., on branch of *Prunus* sp., 2016.03, coll. H.Yoshikawa no. 1423 (CBM-FL-202347); 290 m elev., on trunk of *Abies firma*, on forested ridge, 2016.03, coll. A.Sakata no. 4168 (CBM-FL-202261). <52406039>, 君津市, 270 m elev., on branch of deciduous hardwood, 2013.12, coll. H.Yoshikawa no. 617 (CBM-FL-36950); on twigs of *Quercus acuta*, 2013.12, coll. H.Izumi no. 910 (CBM-FL-37007); 280 m elev., on branch of *Abies firma*, 2013.12, coll. H.Harada no. 28706 (CBM-FL-36752); on branch of deciduous hardwood, 2013.12, coll. A.Sakata no. 2298 (CBM-FL-36850); on branches of *Abies firma*, 2013.12, coll. A.Sakata no. 2300 (CBM-FL-36852); on trunk of *Abies firma*, 2013.12, coll. H.Yoshikawa no. 605 (CBM-FL-36938); on trunk of *Castanopsis sieboldii*, 2013.12, coll. H.Harada no. 28758 (CBM-FL-36804); on trunk of *Quercus acuta*, 2013.12, coll. H.Izumi no. 897 (CBM-FL-36994); 300 m elev., on bough of *Abies firma*, 2013.12, coll. H.Yoshikawa no. 597 (CBM-FL-36930); on trunk of *Cinnamomum japonicum*, 2013.12, coll. H.Yoshikawa no. 598 (CBM-FL-36931). <52406040>, 君津市, 180 m elev., on trunk of *Mallotus japonicus*, 2003.06, coll. T.Kawana no. 3060325 (CBM-FL-15121). <52406047>, 君津市, 250 m elev., on twigs of *Abies firma*, on forested ridge, 2016.03, coll. H.Harada no. 31299 (CBM-FL-202160). <52406066>, 君津市, 88 m elev., on guardrail (painted steel), 2014.10, coll. H.Yoshikawa no. 749 (CBM-FL-32734); 95 m elev., on trunk of *Cryptomeria japonica*, 2014.10, coll. H.Izumi no. 1033 (CBM-FL-100783); 120 m elev., on painted steel guardrail, 2012.12, coll. T.Kawana no. 12120403 (CBM-FL-35402). <52406099>, 市原市, 200 m elev., on trunk of *Quercus serrata*, 1991.04, coll. H.Harada no. 11668 (CBM-FL-3566). <52406101>, 鴨川市, 230 m elev., on branch, 2013.01, coll. H.Izumi no. 853 (CBM-FL-35310); on branch of *Cryptomeria japonica*, 2013.01, coll. H.Yoshikawa no. 333 (CBM-FL-35277); on trunk, 2013.01, coll. H.Izumi no. 852 (CBM-FL-35309); 290 m elev., on branch of *Abies firma*, 2013.01, coll. H.Yoshikawa no. 284 (CBM-FL-35071); 320 m elev., on trunk of *Castanopsis sieboldii*, 2013.01, coll. H.Yoshikawa no. 330 (CBM-FL-35274); on trunk of *Eurya japonica*, 2013.01, coll. H.Yoshikawa no. 327 (CBM-FL-35271); on trunk of *Quercus glauca*, 2013.01, coll. H.Izumi no. 846 (CBM-FL-35303) & 848 (CBM-FL-35305); on trunk of *Tsuga sieboldii*, 2013.01, coll. A.Sakata no. 1493 (CBM-FL-35214). <52406102>, 鴨川市, 330 m elev., on trunk of *Quercus acuta*, on forested ridge, 2016.02, coll. A.Sakata no. 4090 (CBM-FL-202015). <52406103>, 鴨川市, 280 m elev., on trunk of *Abies firma*, 2011.02, coll. H.Harada no. 26379 (CBM-FL-30358); on trunk of *Castanopsis sieboldii*, 2011.02, coll. A.Sakata no. 286 (CBM-FL-30424); H.Izumi no. 510 (CBM-FL-30466); on trunk of *Quercus acuta*, along a forestry road, 2016.02, coll. A.Sakata no. 4130 (CBM-FL-202054). <52406104>, 鴨川市, 235 m elev., on trunk of *Abies firma*, 2017.01, coll. A.Sakata et al. no. 4931 (CBM-FL-102285). <52406112>, 君津市, 300 m elev., on branch of *Abies firma*, 2015.01, coll. H.Harada no. 29720 (CBM-FL-200269); H.Yoshikawa no. 868 (CBM-FL-200373); 305 m elev., on branch of *Abies firma*, 2015.01, coll. H.Yoshikawa no. 879 (CBM-FL-200384). <52406121>, 鴨川市, 170 m elev., on trunk of *Cryptomeria japonica*, 2007.09, coll. H.Harada no. 24453 (CBM-FL-23103); 君津市, 260 m elev., on trunk of *Quercus acuta*, 2015.01, coll. H.Harada no. 29774 (CBM-FL-200323); 285 m elev., on trunk of *Cinnamomum japonicum*, 2015.01, coll. H.Yoshikawa no. 891 (CBM-FL-200395) & 894 (CBM-FL-200398); 305 m elev., on trunk of *Mallotus japonicus*, 2015.01, coll. H.Izumi no. 1205 (CBM-FL-200361). <52406122>, 君津市, 280 m elev., on branch of *Quercus acuta*, 2015.01, coll. H.Izumi no. 1162 (CBM-FL-200249); 290 m elev., on branch, 2015.01, coll. A.Sakata no. 2858 (CBM-FL-200195); on branch of *Abies firma*, 2015.01, coll. H.Yoshikawa no. 855 (CBM-FL-200220); on branch of *Castanopsis sieboldii*, 2015.01, coll. H.Yoshikawa no. 858 (CBM-FL-200223); on branch of *Tsuga sieboldii*, 2015.01, coll. A.Sakata no. 2854 (CBM-FL-200191); 340 m elev., on branch of *Quercus acuta*, 2015.01, coll. H.Izumi no. 1153 (CBM-FL-200240). <52406130>, 君津市, 240 m elev., on trunk of *Tsuga diversifolia*, 2013.12, coll. H.Izumi no. 885 (CBM-FL-36982). <52406131>, 君津市, 170 m elev., on branch of *Pinus thunbergii*, 2015.12, coll. H.Yoshikawa no. 1100 (CBM-FL-201410); on dead-standing trunk of *Pinus thunbergii*, 2015.12, coll. A.Sakata no. 3731 (CBM-FL-201365); 200 m elev., on trunk of *Castanopsis sieboldii*, 2015.12, coll. A.Sakata no. 3711 (CBM-

FL-201345); on trunk of *Prunus* sp., 2015.12, coll. H.Yoshikawa no. 1114 (CBM-FL-201424); 220 m elev., on trunk of *Castanopsis sieboldii*, 2015.12, coll. H.Yoshikawa no. 1089 (CBM-FL-201399) & 1095 (CBM-FL-201405). <52406141>, 君津市, 125 m elev., on shrub (*Deutzia crenata*), 2015.03, coll. H.Yoshikawa no. 989 (CBM-FL-200717); 200 m elev., on branch of *Abies firma*, 2015.02, coll. H.Yoshikawa no. 945 (CBM-FL-200519); on branch of deciduous hardwood, 2014.12, coll. H.Izumi no. 1131 (CBM-FL-32789); H.Yoshikawa no. 815 (CBM-FL-38061); on trunk of deciduous hardwood, 2014.12, coll. A.Sakata no. 2817 (CBM-FL-37949); 230 m elev., on branch of deciduous hardwood, 2015.02, coll. H.Yoshikawa no. 916 (CBM-FL-200490); on trunk of *Abies firma*, 2015.02, coll. H.Yoshikawa no. 923 (CBM-FL-200497); on trunk of deciduous hardwood, 2014.12, coll. H.Yoshikawa no. 829 (CBM-FL-38075); on trunk of *Quercus acuta*, 2015.02, coll. H.Harada no. 30544 (CBM-FL-200448); 280 m elev., on branch of *Abies firma*, 2014.12, coll. H.Yoshikawa no. 793 (CBM-FL-38039), 798 (CBM-FL-38044) & 799 (CBM-FL-38045); 280 m elev., on trunk of *Abies firma*, 2014.12, coll. H.Izumi no. 1107 (CBM-FL-32764). <52406251>, 勝浦市, 83 m elev., on trunk of *Cryptomeria japonica*, 2021.04, coll. A.Sakata & H.Harada no. 5999 (CBM-FL-206263); 84 m elev., on trunk of *Chamaecyparis obtusa*, 2021.04, coll. A.Sakata & H.Harada no. 5995 (CBM-FL-206260). <52407009>, 市原市, 250 m elev., on trunk of conifer, *Pinus densiflora*, 1991.08, coll. M.Ishibashi no. 85 (CBM-FL-3479); 260 m elev., on trunk of *Prunus* sp., 1991.07, coll. M.Ishibashi no. 24 (CBM-FL-3421). <52407069>, 市原市, 85 m elev., on branch of *Castanopsis sieboldii*, 2015.12, coll. H.Yoshikawa et al. no. 1146 (CBM-FL-101309). <52407100>, 市原市, 200 m elev., on trunk of *Quercus serrata*, 1991.07, coll. H.Harada no. 11913 (CBM-FL-3651). <52407102>, 市原市, 120 m elev., on trunk of conifer, *Cryptomeria japonica*, 1991.04, coll. H.Harada no. 11673 (CBM-FL-3571). <52407121>, 市原市, 80 m elev., on trunk of deciduous hardwood, 1991.07, coll. H.Harada no. 11899 (CBM-FL-3637). <52407141>, 市原市, 70 m elev., on trunk of *Zelkova serrata*, 1992.12, coll. M.Ishibashi no. 188 (CBM-FL-3532). <52407149>, 大多喜町, 72 m elev., on trunk of *Cryptomeria japonica*, 2015.12, coll. H.Izumi & H.Harada no. 1487 (CBM-FL-101576). <52407160>, 市原市, 65 m elev., on trunk of *Quercus acutissima*, 2015.12, coll. H.Harada et al. no. 28010 (CBM-FL-101224); 80 m elev., on trunk of *Prunus × yedoensis*, 2015.12, coll. H.Izumi et al. no. 1412 (CBM-FL-101262). <52407255>, いすみ市, 15 m elev., on trunk of *Castanea crenata*, 2015.08, coll. A.Sakata no. 3584 (CBM-FL-101008). <53400016>, 木更津市, 100 m elev., on trunk of *Cryptomeria japonica*, 2000.07, coll. T.Kawana no. 60403 (CBM-FL-13096). <53400201>, 睦沢町, 87 m elev., on trunk of cherry tree, 2016.06, coll. H.Yoshikawa et al. no. 1474 (CBM-FL-102094). <53400205>, いすみ市, 79 m elev., on stone lantern, 2017.12, coll. H.Izumi no. 2109 (CBM-FL-103093). <53400250>, 長南町, 30 m elev., on stone stele of koma-inu statue, 2021.09, coll. H.Harada no. 34022 (CBM-FL-206340). <千葉メッシュ 4017/ 53402287>, 東金市, 30 m elev., on trunk of *Cryptomeria japonica*, 1990.08, coll. H.Takamiya no. 90224 (CBM-FL-1105). <53405476>, 香取市, 30 m elev., on trunk of *Prunus × yedoensis*, 2017.01, coll. H.Yoshikawa no. 1775 (CBM-FL-102341).

● *Hypotrachyna pseudosinuosa* (Asah.) Hale/ タカハシゴンゲンゴケ

<52395796>, 富津市, 130 m elev., on trunk of *Prunus* sp., 1997.12, coll. H.Harada no. 18672 (CBM-FL-10728). <52396708>, 富津市, 120 m elev., on trunk of *Castanopsis sieboldii*, 1997.10, coll. H.Harada no. 18407 (CBM-FL-10325). <52396709>, 君津市, 250 m elev., on bark of deciduous hardwood, on steep slope, 1994.03, coll. A.Matsushita no. 780 (CBM-FL-4841). <52396758>, 君津市・鴨川市, 250 m elev., on trunk of *Quercus serrata*, on mountain ridge, 2002.01, coll. H.Harada no. 19634 (CBM-FL-13669). <52405190>, 鴨川市, 260 m elev., on trunk of *Mallotus japonicus*, 2012.01, coll. H.Harada no. 27029 (CBM-FL-33026); 280 m elev., on trunk of *Cryptomeria japonica*, 2012.02, coll. H.Izumi no. 699 (CBM-FL-33749). <52405191>, 鴨川市, 275 m elev., on branch of deciduous hardwood, 2013.01, coll. A.Sakata no. 1404 (CBM-FL-34963); on branch of *Quercus acuta*, 2014.03, coll. H.Izumi no. 973 (CBM-FL-37546); 280 m elev., on trunk of *Quercus glauca*, 2012.01, coll. H.Yoshikawa no. 8 (CBM-FL-33226); 310 m elev., on branch of *Cryptomeria japonica*, 2014.01, coll. H.Yoshikawa no.

651 (CBM-FL-37283); 325 m elev., on branch of deciduous hardwood, 2013.01, coll. H.Izumi no. 820 (CBM-FL-35047); 330 m elev., on bough of *Abies firma*, 2014.01, coll. A.Sakata no. 2460 (CBM-FL-37214). <52405195>, 鴨川市, 78 m elev., on trunk of *Prunus* sp., 2017.01, coll. H.Harada et al. no. 31849 (CBM-FL-102233). <52406028>, 君津市, 260 m elev., on branches of *Abies firma*, 2011.02, coll. H.Harada no. 26417 (CBM-FL-30396). <52406029>, 鴨川市, 315 m elev., on trunk of *Abies firma*, 2013.12, coll. H.Yoshikawa no. 568 (CBM-FL-36901); 君津市・鴨川市, 310 m elev., on bark of *Quercus glauca*, 2012.12, coll. H.Yoshikawa no. 209 (CBM-FL-34684); on trunk of *Castanopsis sieboldii*, 2012.12, coll. H.Izumi no. 780 (CBM-FL-34752); on trunk of deciduous hardwood, 2012.12, coll. H.Izumi no. 779 (CBM-FL-34751); on trunk of *Quercus glauca*, 2012.12, coll. A.Sakata no. 1326 (CBM-FL-34606); H.Harada no. 27809 (CBM-FL-34497) & 27812 (CBM-FL-34500). <52406030>, 君津市, 180 m elev., on trunk of *Zanthoxylum ailanthoides*, by stream in forest, 1997.11, coll. H.Harada no. 18563 (CBM-FL-10593). <52406035>, 君津市, 185 m elev., on trunk of *Quercus serrata*, 2016.02, coll. A.Sakata et al. no. 4006 (CBM-FL-101871). <52406036>, 君津市, 125 m elev., on trunk of *Prunus* sp., 2016.02, coll. A.Sakata et al. no. 4033 (CBM-FL-101893). <52406037>, 君津市, 260 m elev., on trunk of *Quercus serrata*, 2016.03, coll. H.Yoshikawa no. 1393 (CBM-FL-202317). <52406038>, 君津市, 145 m elev., on trunk of deciduous hardwood, 2012.02, coll. A.Sakata no. 904 (CBM-FL-33564); 160 m elev., on twigs of *Abies firma*, 2014.03, coll. H.Harada no. 28964 (CBM-FL-37448); 180 m elev., on trunk of *Mallotus japonicus*, 2012.02, coll. H.Harada no. 27153 (CBM-FL-33391); 220 m elev., on trunk of *Chamaecyparis obtusa*, 2012.01, coll. H.Yoshikawa no. 19 (CBM-FL-33237); 290 m elev., on twigs of *Quercus acuta*, on forested ridge, 2016.03, coll. H.Harada no. 31330 (CBM-FL-202190). <52406039>, 君津市, 280 m elev., on bough of *Abies firma*, 2013.12, coll. H.Yoshikawa no. 582 (CBM-FL-36915); 300 m elev., on trunk of *Cinnamomum japonicum*, 2013.12, coll. H.Yoshikawa no. 600 (CBM-FL-36933). <52406077>, 君津市, 89 m elev., on guardrail (painted steel), 2014.10, coll. H.Izumi no. 1009 (CBM-FL-100759). <52406101>, 鴨川市, 230 m elev., on branch of *Cryptomeria japonica*, 2013.01, coll. H.Yoshikawa no. 341 (CBM-FL-35285); 250 m elev., on branch of *Pinus parviflora*, 2019.02, coll. M.Suzuki no. 190222-06 (CBM-FL-205486); 290 m elev., on branch of *Abies firma*, 2013.01, coll. H.Yoshikawa no. 282 (CBM-FL-35069); 320 m elev., on branch of *Pinus densiflora*, 2013.01, coll. H.Yoshikawa no. 326 (CBM-FL-35270). <52406102>, 鴨川市, 330 m elev., on trunk of deciduous hardwood, on forested ridge, 2016.02, coll. H.Yoshikawa no. 1345 (CBM-FL-202096). <52406112>, 君津市, 300 m elev., on branch of *Quercus acuta*, 2015.01, coll. H.Izumi no. 1188 (CBM-FL-200344). <52406121>, 君津市, 260 m elev., on trunk of *Quercus acuta*, 2015.01, coll. H.Harada no. 29777 (CBM-FL-200326); 285 m elev., on trunk of *Cinnamomum japonicum*, 2015.01, coll. H.Yoshikawa no. 892 (CBM-FL-200396). <52406122>, 君津市, 290 m elev., on branch of *Abies firma*, 2015.01, coll. H.Yoshikawa no. 856 (CBM-FL-200221); 340 m elev., on branch of *Castanopsis sieboldii*, 2015.01, coll. H.Yoshikawa no. 853 (CBM-FL-200218). <52406131>, 君津市, 170 m elev., on trunk of *Pinus thunbergii*, 2015.12, coll. H.Izumi no. 1390 (CBM-FL-201473); 200 m elev., on trunk of *Prunus* sp., 2015.12, coll. H.Yoshikawa no. 1111 (CBM-FL-201421). <52406141>, 君津市, 210 m elev., on branch of *Quercus acuta*, 2015.02, coll. H.Yoshikawa no. 940 (CBM-FL-200514); 230 m elev., on branch of deciduous hardwood, 2015.02, coll. H.Yoshikawa no. 917 (CBM-FL-200491); on trunk of deciduous hardwood, 2014.12, coll. H.Izumi no. 1135 (CBM-FL-32793); 280 m elev., on branch of *Abies firma*, 2014.12, coll. H.Yoshikawa no. 791 (CBM-FL-38037). <52407009>, 市原市, 250 m elev., on trunk of conifer, *Pinus densiflora*, 1991.08, coll. M.Ishibashi no. 83 (CBM-FL-3477). <52407100>, 市原市, 200 m elev., on trunk of *Pinus densiflora*, 1991.07, coll. H.Harada no. 11914 (CBM-FL-3652); on trunk of *Prunus* sp., 1991.07, coll. H.Harada no. 11920 (CBM-FL-3658); on trunk of *Quercus serrata*, 1991.07, coll. H.Harada no. 11911 (CBM-FL-3649). <52407102>, 市原市, 100 m elev., on trunk of *Prunus* sp., 1991.07, coll. M.Ishibashi no. 35 (CBM-FL-3432); 120 m elev., on trunk of conifer, *Cryptomeria japonica*, 1991.04, coll. H.Harada no. 11674 (CBM-FL-3572). <53400201>, 睦沢町, 95 m elev., on trunk of cherry tree, 2016.06, coll. H.Yoshikawa et al. no. 1498 (CBM-FL-102112). <千葉メッシュ 4026/ 53402276>, 東金市, 50 m elev., on trunk of deciduous hardwood, 1989.05, coll. H.Takamiya no. 89003 (CBM-

● *Hypotrachyna revoluta* (Flörke) Hale/ ハコネゴンゲンゴケ

<52395796>, 富津市, 130 m elev., on trunk of *Prunus* sp., 1997.12, coll. H.Harada no. 18685 (CBM-FL-10741). <52396709>, 君津市, 250 m elev., on bark of *Quercus serrata*, on ridge, 1994.03, coll. A.Matsushita no. 787 (CBM-FL-4848). <52396739>, 君津市・鴨川市, 260 m elev., on trunk of *Quercus serrata*, on forested mountain ridge, 2002.02, coll. H.Harada no. 19799 (CBM-FL-13928). <52396758>, 君津市・鴨川市, 250 m elev., on trunk of *Quercus serrata*, in *Quercus serrata*-forest on mountain ridge, 2002.01, coll. H.Harada no. 19614 (CBM-FL-13649). <52397705>, 富津市, 290 m elev., on trunk of *Prunus* × *yedoensis*, by road, 2001.09, coll. H.Harada no. 19583 (CBM-FL-14007). <52405017>, 鴨川市, 99 m elev., on trunk of *Prunus* sp., 2016.02, coll. A.Sakata et al. no. 4046 (CBM-FL-101906). <52405081>, 君津市, 340 m elev., on trunk of deciduous hardwood, 2017.01, coll. H.Yoshikawa no. 1857 (CBM-FL-102392). <52405190>, 鴨川市, 260 m elev., on branch of *Abies firma*, 2014.03, coll. H.Yoshikawa no. 696 (CBM-FL-37470). <52405191>, 鴨川市, 275 m elev., on twigs of deciduous hardwood, 2013.01, coll. H.Harada no. 7925 (CBM-FL-34878); 280 m elev., on branch, 2014.01, coll. A.Sakata no. 2413 (CBM-FL-37167); on twigs of *Cryptomeria japonica*, 2014.01, coll. H.Izumi no. 922 (CBM-FL-37318). <52405192>, 鴨川市, 360 m elev., on trunk of *Eurya japonica*, around a forested peak, 2016.02, coll. H.Harada no. 31434 (CBM-FL-201936). <52405194>, 鴨川市, 135 m elev., on trunk of *Quercus salicina*, 2017.01, coll. H.Yoshikawa et al. no. 1721 (CBM-FL-103078). <52405195>, 鴨川市, 78 m elev., on trunk of *Prunus* sp., 2017.01, coll. H.Harada et al. no. 31850 (CBM-FL-102234). <52406028>, 君津市, 200 m elev., on branch, 2012.12, coll. H.Izumi no. 764 (CBM-FL-34736); 280 m elev., on branch of *Abies firma*, 2012.12, coll. H.Yoshikawa no. 163 (CBM-FL-34638); on twigs of *Abies firma*, 2012.12, coll. H.Yoshikawa no. 159 (CBM-FL-34634). <52406038>, 君津市, 145 m elev., on trunk of deciduous hardwood, 2012.02, coll. A.Sakata no. 906 (CBM-FL-33566); 220 m elev., on trunk of *Cryptomeria japonica*, 2012.01, coll. H.Izumi no. 597 (CBM-FL-33312); 290 m elev., on trunk of *Quercus acuta*, on forested ridge, 2016.03, coll. A.Sakata no. 4171 (CBM-FL-202264) & 4179 (CBM-FL-202272). <52406039>, 君津市, 280 m elev., on branch of *Abies firma*, 2013.12, coll. H.Yoshikawa no. 581 (CBM-FL-36914); 300 m elev., on trunk of *Abies firma*, 2013.12, coll. H.Harada no. 28747 (CBM-FL-36793). <52406066>, 君津市, 88 m elev., on branch of *Prunus* sp., 2014.10, coll. H.Izumi no. 1044 (CBM-FL-100794) & 1052 (CBM-FL-100802). <52406099>, 市原市, 200 m elev., on trunk of *Quercus serrata*, 1991.04, coll. H.Harada no. 11660 (CBM-FL-3558) & 11663 (CBM-FL-3561). <52406101>, 鴨川市, 235 m elev., on twig with cone of *Cryptomeria japonica*, 2013.01, coll. H.Izumi no. 832 (CBM-FL-35289); 250 m elev., on branch of *Pinus parviflora*, 2019.02, coll. M.Suzuki no. 190222-07 (CBM-FL-205487); 320 m elev., on trunk of *Eurya japonica*, 2013.01, coll. H.Yoshikawa no. 329 (CBM-FL-35273). <52406103>, 鴨川市, 280 m elev., on trunk of *Castanopsis sieboldii*, 2011.02, coll. A.Sakata no. 287 (CBM-FL-30425). <52406104>, 鴨川市, 235 m elev., on trunk of *Abies firma*, 2017.01, coll. A.Sakata et al. no. 4931b (CBM-FL-102640). <52406112>, 君津市, 300 m elev., on branch of *Abies firma*, 2015.01, coll. H.Yoshikawa no. 873 (CBM-FL-200378) & 875 (CBM-FL-200380). <52406121>, 君津市, 285 m elev., on trunk of *Cinnamomum japonicum*, 2015.01, coll. H.Harada no. 29770 (CBM-FL-200319). <52406131>, 君津市, 200 m elev., on trunk of *Prunus* sp., 2015.12, coll. H.Yoshikawa no. 1125 (CBM-FL-201435). <52406181>, 市原市, 200 m elev., on trunk of *Prunus* sp., 1991.04, coll. H.Harada no. 11670 (CBM-FL-3568). <52407009>, 市原市, 250 m elev., on trunk of conifer, *Pinus densiflora*, 1991.08, coll. M.Ishibashi no. 84 (CBM-FL-3478); 260 m elev., on trunk of *Prunus* sp., 1991.07, coll. M.Ishibashi no. 23 (CBM-FL-3420). <52407029>, 市原市, 120 m elev., on trunk of *Cryptomeria japonica*, 1991.06, coll. H.Harada no. 11872 (CBM-FL-3609). <52407102>, 市原市, 100 m elev., on trunk of *Prunus* sp., 1991.07, coll. M.Ishibashi no. 33 (CBM-FL-3430). <52407121>, 市原市, 80 m elev., on trunk of conifer, *Cryptomeria japonica*, 1991.07, coll. M.Ishibashi no. 41 (CBM-FL-3438). <52407141>, 市原市, 70 m elev., on trunk of *Zelkova serrata*, 1992.12, coll. H.Harada no. 13349 (CBM-FL-3732); M.Ishibashi no. 180 (CBM-FL-3524). <52407149>, 大多喜町, 72 m elev., on trunk

of *Carpinus tschonoskii*, 2015.12, coll. H.Harada & H.Izumi no. 31020 (CBM-FL-101383). <52407160>, 市原市, 65 m elev., on trunk of *Acer palmatum*, 2015.12, coll. H.Harada et al. no. 28005 (CBM-FL-101219); 80 m elev., on trunk of *Albizia julibrissin*, 2015.12, coll. A.Sakata et al. no. 3758 (CBM-FL-101239); on twigs of *Prunus mume*, 2015.12, coll. H.Izumi et al. no. 1425 (CBM-FL-101275). <52407255>, いすみ市, 15 m elev., on trunk and branches of *Prunus mume*, 2015.08, coll. H.Harada no. 27971 (CBM-FL-100972). <53400030>, 袖ヶ浦市, 30 m elev., on branches of *Cinnamomum camphora*, at the edge of forest, 1996.06, coll. H.Harada no. 16252 (CBM-FL-7310). <53400149>, 長南町, 30 m elev., on granitic monument, 2021.09, coll. H.Harada no. 34011 (CBM-FL-206334); on twigs of *Rhododendron* sp., 2021.09, coll. A.Sakata no. 6070 (CBM-FL-206353). <53400155>, 市原市, 101 m elev., on bough of *Prunus* × *yedoensis*, 2015.10, coll. H.Yoshikawa no. 1027 (CBM-FL-101101). <53400201>, 睦沢町, 95 m elev., on painted steel fence, 2016.06, coll. H.Yoshikawa et al. no. 1494 (CBM-FL-40230); on trunk of cherry tree, 2016.06, coll. H.Harada et al. no. 31627 (CBM-FL-102056). <53403260>, 八街市, 21 m elev., on twigs of *Rhododendron* shrub, 2018.03, coll. H.Harada & H.Izumi no. 32182 (CBM-FL-103135)

● *Menegazzia terebrata* (Hoffm.) A.Massal./ センシゴケ

<52393762>, 南房総市, 37 m elev., on trunk of *Cryptomeria japonica*, 2017.04, coll. H.Yoshikawa et al. no. 2014 (CBM-FL-102607); 43 m elev., on rock, 2017.04, coll. H.Yoshikawa et al. no. 1999 (CBM-FL-102602). <千葉メッシュ 6619/ 52395689>, 富津市, 50 m elev., on rock, 1997.07, coll. T.Kawana no. 97072505 (CBM-FL-9125). <千葉メッシュ 6777/ 52395727>, 南房総市, 270 m elev., on rocks (serpentine), 2002.01, coll. T.Kawana no. 2013105 (CBM-FL-14348). <52395772>, 鋸南町, 200 m elev., on rocks, 2000.08, coll. T.Kawana no. 81402 (CBM-FL-14088). <52396708>, 富津市, 120 m elev., on trunk of *Quercus serrata*, 1997.10, coll. H.Harada no. 18421 (CBM-FL-10339). <52396709>, 君津市, 250 m elev., on bark of evergreen hardwood, on ridge, 1994.03, coll. A.Matsushita no. 765 (CBM-FL-4826); on dead-standing trunk of *Abies firma*, in forest on ridge, 1993.10, coll. A.Matsushita no. 721 (CBM-FL-4687). <52396719>, 君津市・鴨川市, 250 m elev., on rocks, on forested ridge, 2002.02, coll. H.Harada no. 19904 (CBM-FL-14145). <52405190>, 鴨川市, 260 m elev., on trunk of *Torreya nucifera*, 2012.01, coll. H.Izumi no. 584 (CBM-FL-33299). <52405191>, 鴨川市, 250 m elev., on bark of evergreen hardwood, 1989.04, coll. H.Harada no. 9242 (CBM-FL-286); 260 m elev., on dead-standing tree trunk, 1999.03, coll. T.Kawana no. 99030718 (CBM-FL-12148). <52405194>, 鴨川市, 135 m elev., on trunk of *Diospyros japonica*, 2017.01, coll. A.Sakata et al. no. 4915 (CBM-FL-102274). <52405195>, 鴨川市, 80 m elev., on branches of *Rhododendron* sp., 2017.01, coll. H.Yoshikawa et al. no. 1701 (CBM-FL-103064). <52406000>, 君津市, 170 m elev., on bark of deciduous hardwood, 1993.08, coll. A.Matsushita no. 658 (CBM-FL-4174). <52406018>, 君津市, 290 m elev., on trunk of *Quercus glauca*, 2012.12, coll. H.Izumi no. 730 (CBM-FL-34703). <52406028>, 君津市, 275 m elev., on trunk of *Quercus variabilis*, 2014.03, coll. A.Sakata no. 2539 (CBM-FL-37521). <52406037>, 君津市, 260 m elev., on trunk of *Quercus serrata*, 2016.03, coll. H.Yoshikawa no. 1391 (CBM-FL-202315). <52406038>, 君津市, 195 m elev., on trunk of deciduous hardwood, 2012.02, coll. H.Izumi no. 646 (CBM-FL-33696); on trunk of *Zelkova serrata*, 2012.02, coll. H.Harada no. 27130 (CBM-FL-33368). <52406048>, 君津市, 130 m elev., on trunk of *Cryptomeria japonica*, 2012.02, coll. H.Izumi no. 677 (CBM-FL-33727). <52406131>, 君津市, 170 m elev., on branch of *Pinus thunbergii*, 2015.12, coll. H.Yoshikawa no. 1105 (CBM-FL-201415); on trunk of *Prunus* × *yedoensis*, 2015.12, coll. H.Yoshikawa no. 1103 (CBM-FL-201413); 200 m elev., on trunk of *Prunus* sp., 2015.12, coll. H.Yoshikawa no. 1112 (CBM-FL-201422). <52406141>, 君津市, 125 m elev., on trunk of deciduous hardwood, 2015.03, coll. H.Yoshikawa no. 986 (CBM-FL-200714); 130 m elev., on trunk of *Quercus glauca*, 2015.03, coll. H.Izumi no. 1309 (CBM-FL-200777); 170 m elev., on trunk of deciduous hardwood, 2015.02, coll. H.Yoshikawa no. 953 (CBM-FL-200526); on trunk of *Liriodendron tulipifera*, 2015.02, coll. A.Sakata no. 3403 (CBM-FL-200618); 200 m elev., on branch of deciduous hardwood, 2014.12, coll. H.Yoshikawa no. 816 (CBM-FL-38062); on trunk of deciduous hardwood, 2014.12, coll. H.Harada no. 29634 (CBM-FL-38007); on trunk of *Ilex macropoda*, 2014.12, coll. H.Yoshikawa no. 805 (CBM-FL-38051); 230 m elev., on

trunk of deciduous hardwood, 2014.12, coll. A.Sakata no. 2819 (CBM-FL-37951); on trunk of *Firmiana simplex*, 2014.12, coll. H.Izumi no. 1138 (CBM-FL-32796); on trunk of *Quercus acuta*, 2015.02, coll. H.Harada no. 30552 (CBM-FL-200456); on trunk of *Swida controversa*, 2015.02, coll. H.Harada no. 30539 (CBM-FL-200444). <52406227>, 御宿町, 10 m elev., on tombstones, 1994.09, coll. A.Matsuda no. 812 (CBM-FL-6411). <52406251>, 勝浦市, 84 m elev., on tombstone, 2021.04, coll. A.Sakata & H.Harada no. 6013 (CBM-FL-206273). <52407009>, 市原市, 250 m elev., on trunk of conifer, *Pinus densiflora*, 1991.08, coll. M.Ishibashi no. 82 (CBM-FL-3476). <52407069>, 市原市, 85 m elev., on trunk of *Alnus japonica*, 2015.12, coll. H.Yoshikawa et al. no. 1144 (CBM-FL-101307). <52407111>, 市原市, 200 m elev., on trunk of conifer, *Pinus densiflora*, 1991.07, coll. M.Ishibashi no. 52 (CBM-FL-3449). <52407130>, 市原市, 100 m elev., on trunk of *Prunus mume*, 1991.06, coll. H.Harada no. 11875 (CBM-FL-3612). <52407149>, 大多喜町, 72 m elev., on trunk of *Cryptomeria japonica*, 2015.12, coll. H.Izumi & H.Harada no. 1486 (CBM-FL-101575). <52407160>, 市原市, 71 m elev., on trunk of *Quercus glauca*, 2015.12, coll. H.Yoshikawa et al. no. 1140 (CBM-FL-101304); 80 m elev., on trunk of *Prunus × yedoensis*, 2015.12, coll. H.Izumi et al. no. 1413 (CBM-FL-101263). <53400040>, 袖ヶ浦市, 50 m elev., on rock, in a graveyard on slope, 1996.03, coll. H.Harada no. 15943 (CBM-FL-6926). <53400201>, 睦沢町, 95 m elev., on branch of cherry tree, 2016.06, coll. H.Harada et al. no. 31629 (CBM-FL-102058). <53401171>, 市原市, 65 m elev., on trunk of *Quercus acutissima*, 2013.03, coll. H.Yoshikawa no. 366 (CBM-FL-100246). <53402145>, 市原市, 47 m elev., on twig of *Rhododendron* sp., 2013.02, coll. H.Yoshikawa no. 348 (CBM-FL-100229). <53405066>, 白井市, 20 m elev., on trunk of *Quercus acutissima*, 2007.01, coll. H.Harada no. 24362 (CBM-FL-23012)

● *Myelochroa aurulenta* (Tuck.) Elix & Hale/ コナウチキウメノキゴケ

<52393762>, 南房総市, 43 m elev., on trunk of deciduous hardwood, 2017.04, coll. H.Yoshikawa et al. no. 1992 (CBM-FL-102597). <52395773>, 富津市, 180 m elev., on trunk of *Alnus japonica*, 2002.01, coll. T.Kawana no. 2011701 (CBM-FL-13856). <52396739>, 富津市・君津市, 300 m elev., on trunk of deciduous hardwood, 2002.01, coll. H.Harada no. 19660 (CBM-FL-13707). <52396758>, 君津市・鴨川市, 250 m elev., on trunk of *Pourthiaea villosa* var. *laevis*, on mountain ridge, 2002.01, coll. T.Kawana no. 2010513 (CBM-FL-13687). <52396764>, 富津市, 40 m elev., on branch of *Diospyros kaki*, 2001.12, coll. H.Harada no. 19595 (CBM-FL-13582); on trunk of *Diospyros kaki*, 1997.06, coll. T.Kawana no. 97061406b (CBM-FL-13020); 2001.12, coll. H.Harada no. 19593 (CBM-FL-13580). <52397777>, 君津市, 50 m elev., on tombstone, 2000.11, coll. T.Kawana no. 112206 (CBM-FL-13628). <52405013>, 鴨川市, 70 m elev., on stone-walls, 2000.01, coll. T.Kawana no. 10921 (CBM-FL-12463) & 10929 (CBM-FL-12473). <千葉メッシュ 6844/ 52405054>, 鴨川市, 50 m elev., on trunk of *Diospyros kaki*, 1999.12, coll. T.Kawana no. 99121502 (CBM-FL-12544) & 99121503 (CBM-FL-12545). <52407069>, 市原市, 90 m elev., on trunk of *Acer* sp., 2015.12, coll. A.Sakata et al. no. 3778 (CBM-FL-101258). <52407160>, 市原市, 71 m elev., on branch of *Deutzia crenata*, 2015.12, coll. H.Yoshikawa et al. no. 1136 (CBM-FL-101300). <53400201>, 睦沢町, 87 m elev., on bark at trunk base of *Paulownia tomentosa*, 2016.06, coll. H.Izumi et al. no. 1620 (CBM-FL-102129); 95 m elev., on trunk of cherry tree, 2016.06, coll. H.Yoshikawa et al. no. 1499 (CBM-FL-102113). <53400291>, 茂原市, 26 m elev., on trunk of *Zelkova serrata*, 2019.04, coll. H.Izumi no. 2336b (CBM-FL-103390). <53401251>, 茂原市, 59 m elev., on trunk of *Castanopsis sieboldii*, 2019.08, coll. H.Izumi no. 2468 (CBM-FL-103460). <53402278>, 東金市, 50 m elev., on trunk of *Cinnamomum* sp., 1991.02, coll. H.Harada no. 11643 (CBM-FL-2542). <53403260>, 八街市, 21 m elev., on trunk of *Cornus florida*, 2018.03, coll. H.Harada & H.Izumi no. 32173 (CBM-FL-103128)

● *Myelochroa entotheiochroa* (Hue) Elix & Hale/ クズレウチキウメノキゴケ

<52392699>, 南房総市, 60 m elev., on trunk of *Abies firma*, 2000.02, coll. T.Kawana no. 22219a (CBM-FL-12788). <52393762>, 南房総市, 43 m elev., on trunk of *Acer* sp., 2017.04, coll. H.Yoshikawa

et al. no. 1990 (CBM-FL-102595). <52395627>, 鋸南町, 20 m elev., on tombstone, 1997.05, coll. T.Kawana no. 97051106 (CBM-FL-8998). <52395659>, 鋸南町, 135 m elev., on tombstone, 2011.10, coll. T.Kawana no. 11101426 (CBM-FL-100485) & 11101427 (CBM-FL-100486). <52395710>, 南房総市, 250 m elev., on trunk of *Castanopsis sieboldii*, in forest, 1996.05, coll. H.Harada no. 16229 (CBM-FL-7263). <52395773>, 富津市, 160 m elev., on stone lantern, 1995.12, coll. T.Kawana no. 95121908 (CBM-FL-8378). <千葉メッシュ 6197/ 52396707>, 富津市, 100 m elev., on tombstone, 1999.02, coll. T.Kawana no. 99022701 (CBM-FL-12101). <千葉メッシュ 6183/ 52396713>, 富津市, 150 m elev., on trunk of *Machilus thunbergii*, 2000.05, coll. T.Kawana no. 50516 (CBM-FL-13073). <52396749>, 富津市, 150 m elev., on tree trunk, 1997.10, coll. T.Kawana no. 97101944 (CBM-FL-10759). <52396764>, 富津市, 40 m elev., on trunk of *Diospyros kaki*, 1997.06, coll. T.Kawana no. 97061406a (CBM-FL-9038). <52405045>, 鴨川市, 20 m elev., on bark at trunk base of *Cinnamomum camphora*, 1999.12, coll. T.Kawana no. 99121923 (CBM-FL-12517). <52405067>, 鴨川市, 20 m elev., on trunk of *Ilex rotunda*, 2002.01, coll. T.Kawana no. 2012207 (CBM-FL-14081). <52405191>, 鴨川市, 300 m elev., on trunk of *Cinnamomum camphora*, 2011.02, coll. A.Sakata no. 318 (CBM-FL-30454); on trunk of *Ginkgo biloba*, 2011.02, coll. H.Harada no. 26432 (CBM-FL-30410); on trunk of *Magnolia obovata*, 2011.02, coll. H.Izumi no. 548 (CBM-FL-30505). <52405195>, 鴨川市, 80 m elev., on trunk of *Quercus serrata*, 2017.01, coll. A.Sakata et al. no. 4903 (CBM-FL-203454). <52405290>, 勝浦市, 100 m elev., on trunk of *Castanopsis sieboldii*, 2000.03, coll. T.Kawana no. 31224b (CBM-FL-12919). <52406028>, 君津市, 170 m elev., on tree trunk, 2012.12, coll. H.Izumi no. 775 (CBM-FL-34747). <52406035>, 君津市, 185 m elev., on trunk of *Quercus serrata*, 2016.02, coll. H.Harada et al. no. 31176 (CBM-FL-101845). <52406038>, 君津市, 145 m elev., on trunk of deciduous hardwood, 2012.02, coll. H.Izumi no. 672 (CBM-FL-33722); 160 m elev., on branch of deciduous hardwood, 2014.03, coll. H.Yoshikawa no. 714 (CBM-FL-37488) & 717 (CBM-FL-37491); on trunk of *Acer* sp., 2014.03, coll. H.Harada no. 28947 (CBM-FL-37431); on trunk of deciduous hardwood, 2014.03, coll. H.Izumi no. 990 (CBM-FL-37563); H.Yoshikawa no. 712 (CBM-FL-37486); 170 m elev., on branch of deciduous tree, 2012.02, coll. H.Yoshikawa no. 74 (CBM-FL-33639); on trunk of deciduous hardwood, 2012.02, coll. H.Izumi no. 656 (CBM-FL-33706); on trunk of *Diospyros japonica*, 2012.02, coll. A.Sakata no. 879 (CBM-FL-33540). <52406039>, 君津市, 270 m elev., on trunk of *Swida controversa*, 2013.12, coll. H.Izumi no. 877 (CBM-FL-36974). <52406104>, 鴨川市, 235 m elev., on trunk of *Acer* sp., 2017.01, coll. H.Harada et al. no. 31878 (CBM-FL-102251). <52406112>, 君津市, 305 m elev., on trunk of *Quercus salicina*, 2015.01, coll. H.Izumi no. 1199 (CBM-FL-200355). <52406122>, 君津市, 340 m elev., on branch of deciduous hardwood, 2015.01, coll. H.Yoshikawa no. 845 (CBM-FL-200210). <52406131>, 君津市, 190 m elev., on trunk of *Cerasus*, 2015.12, coll. H.Izumi no. 1360 (CBM-FL-201443); on trunk of *Quercus serrata*, 2015.12, coll. H.Yoshikawa no. 1079 (CBM-FL-201389). <52406141>, 君津市, 125 m elev., on trunk of deciduous hardwood, 2015.03, coll. H.Yoshikawa no. 987 (CBM-FL-200715); on trunk of *Quercus myrsinifolia*, 2015.03, coll. H.Izumi no. 1314 (CBM-FL-39647); 130 m elev., on trunk of *Quercus serrata*, 2015.03, coll. H.Yoshikawa no. 994 (CBM-FL-200723); 170 m elev., on trunk of deciduous hardwood, 2015.02, coll. H.Yoshikawa no. 957 (CBM-FL-39358); 200 m elev., on trunk of *Gleditsia japonica*, 2014.12, coll. H.Harada no. 29624 (CBM-FL-37997); on trunk of *Magnolia stellata*, 2014.12, coll. H.Yoshikawa no. 803 (CBM-FL-38049) & 804 (CBM-FL-38050); 220 m elev., on trunk of *Sapindus mukorossi*, 2015.02, coll. H.Izumi no. 1222 (CBM-FL-200540); 230 m elev., on branch of deciduous hardwood, 2015.02, coll. H.Yoshikawa no. 932 (CBM-FL-200506); on branches of *Quercus salicina*, 2014.12, coll. H.Yoshikawa no. 779 (CBM-FL-38025); on trunk of *Quercus salicina*, 2015.02, coll. H.Izumi no. 1235 (CBM-FL-200553); H.Yoshikawa no. 928 (CBM-FL-200502). <52406160>, 君津市, 160 m elev., on trunk of *Machilus thunbergii*, 2000.04, coll. T.Kawana no. 40210 (CBM-FL-13032). <52406193>, 大多喜町, 150 m elev., on bark at trunk base of *Castanopsis sieboldii*, 2000.03, coll. T.Kawana no. 31810 (CBM-FL-12956). <52406248>, 御宿町, 34 m elev., on trunk of *Machilus thunbergii*, 2017.01, coll. H.Yoshikawa et al. no. 1906 (CBM-FL-102473). <52407009>, 市原市, 260 m elev., on trunk of evergreen hardwood, 1991.06, coll.

M.Ishibashi no. 11 (CBM-FL-3408). <52407102>, 市原市, 100 m elev., on trunk of *Quercus serrata*, 1991.07, coll. M.Ishibashi no. 31 (CBM-FL-3428). <52407149>, 大多喜町, 72 m elev., on bark at trunk base of *Prunus mume*, 2015.12, coll. H.Harada & H.Izumi no. 31023 (CBM-FL-101386). <52407160>, 市原市, 80 m elev., on trunk of *Prunus × yedoensis*, 2015.12, coll. H.Yoshikawa et al. no. 1130 (CBM-FL-101294). <52407248>, いすみ市, 45 m elev., on trunk of *Prunus × yedoensis*, 2017.02, coll. H.Yoshikawa no. 1956 (CBM-FL-40792). <52407273>, いすみ市, 35 m elev., on trunk of *Cryptomeria japonica*, 2016.06, coll. H.Yoshikawa et al. no. 1457 (CBM-FL-102079). <53400201>, 睦沢町, 87 m elev., on bark at trunk base of *Paulownia tomentosa*, 2016.06, coll. H.Izumi et al. no. 1621 (CBM-FL-102130). <53400272>, 茂原市, 30 m elev., on trunk of *Ginkgo biloba*, 2019.03, coll. H.Izumi no. 2247 (CBM-FL-103276). <53401251>, 茂原市, 59 m elev., on stone lantern, 2019.08, coll. H.Izumi no. 2472 (CBM-FL-103462). <53401272>, 茂原市, 39 m elev., on stone monument, 2019.08, coll. H.Izumi no. 2452 (CBM-FL-103446)

● *Myelochroa hayachinensis* (Kurok.) Elix & Hale/ ハヤチネウメノキゴケ

<52396708>, 富津市, 120 m elev., on trunk of *Quercus serrata*, 1997.10, coll. H.Harada no. 18422 (CBM-FL-10340). <52396709>, 君津市, 250 m elev., on bark of deciduous hardwood, on ridge, 1994.03, coll. A.Matsushita no. 758 (CBM-FL-4819); on bark of evergreen hardwood, on ridge, 1994.03, coll. A.Matsushita no. 764 (CBM-FL-4825); on bark of evergreen hardwood, on steep slope, 1994.03, coll. A.Matsushita no. 773 (CBM-FL-4834). <52396749>, 君津市, 100 m elev., on trunk of *Meliosma myriantha*, 2003.11, coll. T.Kawana no. 3110719 (CBM-FL-15547); 120 m elev., on trunk of *Mallotus japonicus*, in valley, 2002.03, coll. T.Kawana no. 2030217 (CBM-FL-14434). <52405181>, 鴨川市, 250 m elev., on trunk of *Quercus glauca*, 2015.03, coll. H.Yoshikawa no. 964 (CBM-FL-200694). <52405182>, 鴨川市, 130 m elev., on *Cephalotaxus harringtonia*, in forested gorge, 2012.01, coll. H.Izumi no. 619 (CBM-FL-33334); on trunk of deciduous hardwood, in forested gorge, 2012.01, coll. H.Harada no. 27086 (CBM-FL-33083). <52405190>, 鴨川市, 260 m elev., on trunk of *Machilus thunbergii*, 2012.01, coll. H.Izumi no. 591 (CBM-FL-33306); on trunk of *Mallotus japonicus*, 2012.01, coll. H.Harada no. 27030 (CBM-FL-33027) & 27041 (CBM-FL-33038); 280 m elev., on trunk of *Quercus glauca*, 2012.02, coll. H.Harada no. 27270 (CBM-FL-33508); on trunk of *Quercus salicina*, 2012.02, coll. H.Harada no. 27254 (CBM-FL-33492). <52405191>, 鴨川市, 250 m elev., on bark of deciduous hardwood, 1989.04, coll. H.Harada no. 9241 (CBM-FL-285); 300 m elev., on trunk of *Metasequoia glyptostroboides*, 2011.02, coll. A.Sakata no. 316 (CBM-FL-30452). <52405194>, 鴨川市, 135 m elev., on trunk of *Mallotus japonicus*, 2017.01, coll. H.Harada et al. no. 31863 (CBM-FL-203444). <52405195>, 鴨川市, 80 m elev., on trunk of *Acer palmatum*, 2017.01, coll. H.Yoshikawa et al. no. 1703 (CBM-FL-103066); on trunk of *Quercus serrata*, 2017.01, coll. H.Harada et al. no. 31841 (CBM-FL-203436). <52406011>, 君津市, 148 m elev., on trunk of ever-green hardwood, 2017.07, coll. E.Kato no. 17072808 (CBM-FL-102637). <52406020>, 君津市, 130 m elev., on trunk of *Quercus serrata*, 2002.03, coll. T.Kawana no. 2031233a (CBM-FL-14506) & 2031233b (CBM-FL-14507). <52406035>, 君津市, 165 m elev., on trunk of *Zelkova serrata*, 2016.02, coll. A.Sakata et al. no. 4027 (CBM-FL-101889); 185 m elev., on trunk of deciduous hardwood, 2016.02, coll. A.Sakata et al. no. 4026 (CBM-FL-101888). <52406038>, 君津市, 145 m elev., on trunk of deciduous scrubs, 2012.02, coll. H.Harada no. 27182 (CBM-FL-33420); 145 m elev., on trunk of *Swida controversa*, 2012.02, coll. A.Sakata no. 908 (CBM-FL-33568); 195 m elev., on trunk of *Prunus sp.*, 2012.02, coll. H.Izumi no. 638 (CBM-FL-33688); 280 m elev., on trunk of *Zelkova serrata*, 2012.01, coll. A.Sakata no. 813 (CBM-FL-33179). <52406041>, 君津市, 100 m elev., on trunk of *Quercus serrata*, 2002.12, coll. T.Kawana no. 2120202 (CBM-FL-15141). <52406048>, 君津市, 130 m elev., on trunk of *Acer sp.*, 2012.02, coll. H.Izumi no. 679 (CBM-FL-33729). <52406077>, 君津市, 89 m elev., on twigs of *Rhododendron sp.*, 2014.10, coll. H.Izumi no. 1027 (CBM-FL-100777). <52406104>, 鴨川市, 235 m elev., on trunk of *Swida controversa*, 2017.01, coll. H.Harada et al. no. 31881 (CBM-FL-102253). <52406130>, 君津市, 240 m elev., on trunk of *Quercus acuta*, 2013.12, coll. H.Izumi no. 880 (CBM-FL-36977). <52406131>, 君津市, 190 m

elev., on trunk of *Carpinus tschonoskii*, 2015.12, coll. A.Sakata no. 3801 (CBM-FL-201341); on trunk of *Cerasus*, 2015.12, coll. H.Izumi no. 1361 (CBM-FL-201444); 200 m elev., on trunk of *Prunus sp.*, 2015.12, coll. H.Yoshikawa no. 1126 (CBM-FL-20146). <52406141>, 君津市, 130 m elev., on trunk of *Quercus acuta*, 2015.03, coll. H.Izumi no. 1310 (CBM-FL-200778); 200 m elev., on trunk of deciduous hardwood, 2014.12, coll. H.Harada no. 29635 (CBM-FL-38008). <52407069>, 市原市, 85 m elev., on trunk of *Alnus japonica*, 2015.12, coll. H.Yoshikawa et al. no. 1143 (CBM-FL-101306); on trunk of *Quercus serrata*, 2015.12, coll. A.Sakata et al. no. 3776 (CBM-FL-101256); 90 m elev., on trunk of *Acer palmatum*, 2015.12, coll. H.Harada et al. no. 28001 (CBM-FL-101215). <52407160>, 市原市, 65 m elev., on trunk of *Quercus acutissima*, 2015.12, coll. H.Harada et al. no. 28009 (CBM-FL-101223) & 28011 (CBM-FL-101225)

● *Myelochroa irrugans* (Nyl.) Elix & Hale/ ウチキウメノキゴケ

<52395697>, 鋸南町, 250 m elev., on rocks, 1988.10, coll. H.Harada no. 9154 (CBM-FL-222). <52395773>, 富津市, 160 m elev., on stone lantern, 1995.12, coll. T.Kawana no. 95121906 (CBM-FL-8376). <千葉メッシュ 6716/ 52395786>, 富津市, 180 m elev., on trunk of *Quercus myrsinaefolia*, 1999.03, coll. T.Kawana no. 99032214 (CBM-FL-12173). <52396705>, 富津市, 260 m elev., on trunk of *Machilus thunbergii*, 1997.07, coll. T.Kawana no. 97070637 (CBM-FL-10602). <千葉メッシュ 6197/ 52396707>, 富津市, 100 m elev., on trunk of *Diospyros kaki*, 1999.02, coll. T.Kawana no. 99022807 (CBM-FL-12112). <千葉メッシュ 6139/ 52396769>, 君津市, 70 m elev., on trunk of *Quercus glauca*, 2004.01, coll. T.Kawana no. 4012534 (CBM-FL-15676). <52405190>, 鴨川市, 260 m elev., on trunk of *Torreya nucifera*, 2012.01, coll. H.Izumi no. 585 (CBM-FL-33300). <52405191>, 鴨川市, 295 m elev., on trunk of *Machilus thunbergii*, 2014.01, coll. H.Yoshikawa no. 675 (CBM-FL-37307); on trunk of *Quercus acuta*, 2014.01, coll. H.Harada no. 28885 (CBM-FL-37135); 300 m elev., on trunk of *Cercidiphyllum japonicum*, 2011.02, coll. A.Sakata no. 317 (CBM-FL-30453); on trunk of *Magnolia obovata*, 2011.02, coll. H.Harada no. 26439 (CBM-FL-30417); H.Izumi no. 545 (CBM-FL-30502). <52405192>, 鴨川市, 335 m elev., on trunk of *Torreya nucifera*, 2011.02, coll. A.Sakata no. 293 (CBM-FL-30431). <52406028>, 君津市, 190 m elev., on trunk of deciduous hardwood, 2012.12, coll. H.Harada no. 27775 (CBM-FL-34463). <52406038>, 君津市, 145 m elev., on trunk of deciduous hardwood, 2012.02, coll. A.Sakata no. 900 (CBM-FL-33560); 160 m elev., on trunk of deciduous hardwood, 2014.03, coll. H.Izumi no. 989 (CBM-FL-37562) & 994 (CBM-FL-37567). <52406101>, 鴨川市, 230 m elev., on trunk of deciduous hardwood, 2013.01, coll. H.Harada no. 28183 (CBM-FL-35178); 265 m elev., on trunk of *Zelkova serrata*, 2013.01, coll. A.Sakata no. 1412 (CBM-FL-34971). <52406103>, 鴨川市, 280 m elev., on branch of *Quercus serrata*, along a forestry road, 2016.02, coll. A.Sakata no. 4124 (CBM-FL-202048). <52406122>, 君津市, 340 m elev., on branch of deciduous hardwood, 2015.01, coll. H.Yoshikawa no. 839 (CBM-FL-200204). <52406127>, 大多喜町, 160 m elev., on trunk of *Diospyros kaki*, 2000.03, coll. T.Kawana no. 32019 (CBM-FL-12992). <52406131>, 君津市, 200 m elev., on trunk of *Cinnamomum camphora*, 2015.12, coll. H.Yoshikawa no. 1123 (CBM-FL-201433) & 1127 (CBM-FL-201437). <52406137>, 大多喜町, 200 m elev., on trunk of *Mallotus ｱｶﾏｶﾞｼ*, 2000.03, coll. T.Kawana no. 32025 (CBM-FL-13019). <52406172>, 大多喜町, 160 m elev., on trunk of *Prunus sp.*, 2000.03, coll. T.Kawana no. 32041 (CBM-FL-13015). <52407101>, 市原市, 200 m elev., on trunk of *Prunus sp.*, 1991.08, coll. M.Ishibashi no. 76 (CBM-FL-3470). <53400147>, 長南町, 40 m elev., on rocks, 2000.03, coll. T.Kawana no. 30539 (CBM-FL-12851)

● *Myelochroa leucotyliza* (Nyl.) Elix & Hale/ ヒカゲウチキウメノキゴケ

<52393606>, 館山市, 30 m elev., on trunk of *Cinnamomum camphora*, 2015.12, coll. H.Izumi, H.Yoshikawa & H.Harada no. 1343 (CBM-FL-101184). <千葉メッシュ 7479/ 52393629>, 館山市, 40 m elev., on bark at trunk base of *Castanopsis sieboldii*, 2000.02, coll. T.Kawana no. 22206 (CBM-FL-12776). <52393725>, 南房総市, 35 m elev., on trunk of *Cinnamomum camphora*, 2015.12, coll. H.Harada et al. no. 31100 (CBM-FL-101591). <52393761>, 館山市, 40 m elev., on

trunk of *Ginkgo biloba*, 1997.11, coll. T.Kawana no. 97111410 (CBM-FL-10797). <52393762>, 南房総市, 43 m elev., on rock, 2017.04, coll. H.Yoshikawa et al. no. 2000 (CBM-FL-102603); on trunk of deciduous hardwood, 2017.04, coll. A.Sakata et al. no. 5008 (CBM-FL-102553). <千葉メッシュ 7532/ 52393762>, 館山市, 60 m elev., on trunk of *Diospyros kaki*, 2001.01, coll. T.Kawana no. 1011504 (CBM-FL-14204). <千葉メッシュ 7533/ 52393763>, 南房総市, 40 m elev., on trunk of deciduous hardwood, riverside, 2001.12, coll. T.Kawana no. 1120601 (CBM-FL-14225). <52393771>, 館山市, 40 m elev., on trunk of deciduous hardwood, 2000.02, coll. T.Kawana no. 20625 (CBM-FL-12722). <52394649>, 南房総市, 40 m elev., on trunk of *Ilex integra*, 1998.07, coll. T.Kawana no. 98072731 (CBM-FL-11402). <千葉メッシュ 7253/ 52394743>, 南房総市, 50 m elev., on trunk of *Podocarpus macrophyllus*, 2000.05, coll. T.Kawana no. 52404 (CBM-FL-13081). <52394744>, 南房総市, 50 m elev., on tombstone, 2000.11, coll. T.Kawana no. 110902 (CBM-FL-15591). <52394769>, 南房総市, 155 m elev., on stone statue, 2016.12, coll. H.Yoshikawa no. 1681 (CBM-FL-102296). <千葉メッシュ 7227/ 52394777>, 南房総市, 50 m elev., on rocks, 2000.01, coll. T.Kawana no. 12939 (CBM-FL-12643); on tombstone, 2000.01, coll. T.Kawana no. 12937 (CBM-FL-12644). <52394799>, 南房総市, 60 m elev., on trunk of *Prunus × yedoensis*, 2000.01, coll. T.Kawana no. 13025 (CBM-FL-12674). <52395619>, 南房総市, 50 m elev., on trunk of *Machilus thunbergii* with mosses, 2015.12, coll. A.Sakata et al. no. 3816 (CBM-FL-101441). <52395626>, 鋸南町, 90 m elev., on trunk of *Juniperus chinensis*, 2011.05, coll. T.Kawana no. 11052523 (CBM-FL-35468). <52395627>, 鋸南町, 20 m elev., on tombstone, 1997.05, coll. T.Kawana no. 97051105 (CBM-FL-8997). <52395678>, 鋸南町, 10 m elev., on trunk of *Quercus acutissima*, 1999.04, coll. T.Kawana no. 99040601 (CBM-FL-12119). <52395686>, 鋸南町, 100 m elev., on rock, 1989.06, coll. H.Harada no. 9340 (CBM-FL-381). <52395695>, 富津市, 30 m elev., on rocks, 1997.11, coll. T.Kawana no. 97110805 (CBM-FL-10784). <52395697>, 鋸南町, 250 m elev., on rocks, 1988.10, coll. H.Harada no. 9161 (CBM-FL-229). <52395711>, 南房総市, 70 m elev., on trunk of *Quercus serrata*, 1999.11, coll. T.Kawana no. 99110801 (CBM-FL-12437). <52395715>, 南房総市, 100 m elev., on rocks, 2000.01, coll. T.Kawana no. 12209 (CBM-FL-12607). <52395723>, 南房総市, 67 m elev., on trunk of *Ilex rotunda*, 2015.12, coll. A.Sakata et al. no. 3872 (CBM-FL-101479); 80 m elev., on trunk of *Cinnamomum camphora*, 1997.05, coll. T.Kawana no. 97051116 (CBM-FL-9002); 100 m elev., on branches of *Prunus mume*, 2015.12, coll. H.Yoshikawa et al. no. 1202 (CBM-FL-101516); 250 m elev., on branch of *Pittosporum tobira*, 2015.12, coll. H.Yoshikawa et al. no. 1207 (CBM-FL-101521); 305 m elev., on rock, 2015.12, coll. H.Yoshikawa et al. no. 1218 (CBM-FL-101532); 328 m elev., on rock (N-facing), 2015.12, coll. H.Harada et al. no. 31060 (CBM-FL-101416). <52395745>, 南房総市, 130 m elev., on stone-walls, 2000.01, coll. T.Kawana no. 12110 (CBM-FL-12573). <千葉メッシュ 6757/ 52395747>, 鴨川市, 100 m elev., on tombstone, 1999.08, coll. T.Kawana no. 99081802 (CBM-FL-13405). <52395763>, 鋸南町, 200 m elev., on trunk of *Diospyros kaki*, 2001.01, coll. T.Kawana no. 1012203 (CBM-FL-15597). <千葉メッシュ 6726/ 52395776>, 鴨川市, 110 m elev., on trunk of *Clerodendrum trichotomum*, 1999.11, coll. T.Kawana no. 99110713 (CBM-FL-12417). <千葉メッシュ 6713/ 52395783>, 富津市, 100 m elev., on trunk of *Quercus serrata*, 1998.02, coll. T.Kawana no. 98022828 (CBM-FL-11088). <52395796>, 富津市, 130 m elev., on trunk of *Castanea crenata*, 1997.12, coll. H.Harada no. 18669 (CBM-FL-10725); on trunk of *Cephalotaxus harringtonia*, 1997.12, coll. H.Harada no. 18649 (CBM-FL-10705); on trunk of *Diospyros kaki*, 1997.12, coll. H.Harada no. 18655 (CBM-FL-10711) & 18667 (CBM-FL-10723). <千葉メッシュ 6706/ 52395796>, 富津市, 170 m elev., on trunk of *Prunus mume*, 1999.03, coll. T.Kawana no. 99032205 (CBM-FL-12165). <52396703>, 富津市, 100 m elev., on trunk of *Ginkgo biloba*, 1996.02, coll. T.Kawana no. 96020303 (CBM-FL-9074) & 96020304 (CBM-FL-9075) & 96020308 (CBM-FL-9073). <千葉メッシュ 6197/ 52396707>, 富津市, 100 m elev., on trunk of *Diospyros kaki*, 1999.02, coll. T.Kawana no. 99022803 (CBM-FL-12107). <52396708>, 富津市, 130 m elev., on trunk of *Quercus serrata*, 1997.10, coll. H.Harada no. 18465 (CBM-FL-10380). <52396709>, 君津市, 250 m elev., on bark of *Quercus serrata*, in forest on ridge, 1993.10, coll. A.Matsushita no. 711 (CBM-FL-4677). <千葉メッシュ 6157/ 52396747>, 富津市, 60 m elev., on trunk of *Diospyros kaki*, 1999.03, coll. T.Kawana no.

99032709 (CBM-FL-12183); on trunk of *Diospyros kaki*, 1999.03, coll. T.Kawana no. 99032710 (CBM-FL-12184) & 99032711 (CBM-FL-12185); on trunk of *Quercus glauca*, 1998.11, coll. T.Kawana no. 98110110 (CBM-FL-12035) & 98110111 (CBM-FL-12036). <52396749>, 君津市, 180 m elev., on rocks, on mountain ridge, 2002.02, coll. H.Harada no. 19786 (CBM-FL-13915); 富津市, 150 m elev., on tree trunk, 1997.10, coll. T.Kawana no. 97101943 (CBM-FL-10758); 富津市・君津市, 250 m elev., on trunk of deciduous hardwood, near top of ridge, 2002.01, coll. H.Harada no. 19643 (CBM-FL-13690) & 19646 (CBM-FL-13693). <52396756>, 富津市, 50 m elev., on trunk of *Quercus glauca*, in forest in gorge, 2001.12, coll. H.Harada no. 19598 (CBM-FL-13585). <52396759>, 君津市, 130 m elev., on trunk of *Prunus* sp., 2002.08, coll. T.Kawana no. 2081301 (CBM-FL-15222). <52396764>, 富津市, 40 m elev., on trunk of *Prunus × yedoensis*, 1997.06, coll. T.Kawana no. 97061409 (CBM-FL-9042). <千葉メッシュ 6139/ 52396769>, 君津市, 70 m elev., on trunk of *Quercus serrata*, 2004.01, coll. T.Kawana no. 4012548 (CBM-FL-15689). <千葉メッシュ 6126/ 52396776>, 富津市, 150 m elev., on trunk of *Pyrus pyrifolia*, 1997.06, coll. T.Kawana no. 97061511 (CBM-FL-9059). <52397712>, 富津市, 30 m elev., on tombstone, 1997.10, coll. H.Harada no. 18369 (CBM-FL-10287). <千葉メッシュ 5569/ 52397739>, 君津市, 70 m elev., on trunk of *Prunus mume*, 1999.04, coll. T.Kawana no. 99042401 (CBM-FL-12252). <千葉メッシュ 5545/ 52397755>, 君津市, 20 m elev., on trunk of *Diospyros kaki*, 2001.01, coll. T.Kawana no. 1011304 (CBM-FL-13425); on trunk of *Zelkova serrata*, 2001.01, coll. T.Kawana no. 1011307 (CBM-FL-13426). <52397784>, 君津市, 20 m elev., on stone-walls, 1999.08, coll. T.Kawana no. 99081501 (CBM-FL-13398). <52405006>, 鴨川市, 40 m elev., on rocks, 2000.01, coll. T.Kawana no. 10906 (CBM-FL-12455). <52405011>, 鴨川市, 20 m elev., on trunk of *Machilus thunbergii*, 2002.11, coll. T.Kawana no. 2110905 (CBM-FL-15562). <千葉メッシュ 6865/ 52405035>, 鴨川市, 80 m elev., on stone wall, 2001.05, coll. T.Kawana no. 1052703 (CBM-FL-15623). <52405052>, 鴨川市, 40 m elev., on trunk of *Cinnamomum camphora*, 1997.03, coll. T.Kawana no. 97032025 (CBM-FL-8760). <52405162>, 鴨川市, 80 m elev., on tombstone, 1999.03, coll. T.Kawana no. 99030722 (CBM-FL-12151) & 99030723 (CBM-FL-12152). <52405191>, 鴨川市, 300 m elev., on trunk of *Ginkgo biloba*, 2011.02, coll. H.Harada no. 26433 (CBM-FL-30411); 350 m elev., on bough of *Castanopsis sieboldii*, 2014.01, coll. H.Harada no. 28844 (CBM-FL-37094) & 28845 (CBM-FL-37095). <52405195>, 鴨川市, 80 m elev., on trunk of *Quercus serrata*, 2017.01, coll. H.Yoshikawa et al. no. 1710 (CBM-FL-103071). <52405290>, 勝浦市, 100 m elev., on trunk of *Castanopsis sieboldii*, 2000.03, coll. T.Kawana no. 31224a (CBM-FL-12918). <52406000>, 君津市, 160 m elev., on bark of *Quercus serrata*, 1993.10, coll. A.Matsushita no. 750 (CBM-FL-4858). <52406038>, 君津市, 145 m elev., on trunk of deciduous hardwood, 2012.02, coll. H.Izumi no. 665 (CBM-FL-33715); 145 m elev., on trunk of deciduous hardwood, 2012.02, coll. H.Izumi no. 673 (CBM-FL-33723); 160 m elev., on branch of *Acer* sp., 2014.03, coll. H.Izumi no. 1004 (CBM-FL-37577); on branch of deciduous hardwood, 2014.03, coll. H.Yoshikawa no. 718 (CBM-FL-37492); on trunk of *Acer* sp., 2014.03, coll. H.Harada no. 28949 (CBM-FL-37433); 220 m elev., on trunk of *Prunus* sp., 2012.01, coll. H.Izumi no. 592 (CBM-FL-33307). <52406051>, 君津市, 120 m elev., on trunk of *Prunus mume*, 2002.02, coll. T.Kawana no. 2022311 (CBM-FL-14406). <52406057>, 君津市, 250 m elev., on tree trunk, 2002.11, coll. T.Kawana no. 2112301 (CBM-FL-15600). <52406061>, 君津市, 70 m elev., on trunk of *Celtis sinensis* var. *japonica*, 2003.02, coll. T.Kawana no. 3020445 (CBM-FL-15246) & 3020447 (CBM-FL-15248); on trunk of *Swida controversa*, 2003.02, coll. T.Kawana no. 3020443 (CBM-FL-15244). <52406077>, 君津市, 90 m elev., on trunk of *Prunus mume*, 1999.08, coll. T.Kawana no. 99081005 (CBM-FL-13396). <52406131>, 君津市, 220 m elev., on trunk of *Cleyera japonica*, 2015.12, coll. H.Yoshikawa no. 1092 (CBM-FL-201402). <52406141>, 君津市, 170 m elev., on trunk of *Liriodendron tulipifera*, 2015.02, coll. A.Sakata no. 3401 (CBM-FL-200616); 200 m elev., on branch of *Gleditsia japonica*, 2014.12, coll. H.Izumi no. 1120 (CBM-FL-32778); 230 m elev., on branches of *Quercus salicina*, 2014.12, coll. H.Yoshikawa no. 780 (CBM-FL-38026); on trunk of *Quercus salicina*, 2014.12, coll. H.Harada no. 29597 (CBM-FL-37970). <52406227>, 御宿町, 10 m elev., on dead-standing tree trunk, 1994.09, coll. A.Matsuda no. 829 (CBM-FL-6428). <52406248>, 御宿町, 21 m elev., on trunk of

Prunus × *yedoensis*, 2017.01, coll. H.Yoshikawa et al. no. 1885 (CBM-FL-102463); 35 m elev., on stonework, 2017.01, coll. H.Yoshikawa et al. no. 1825 (CBM-FL-40741). <52406251>, 勝浦市, 83 m elev., on tombstone, 2021.04, coll. A.Sakata & H.Harada no. 6028 (CBM-FL-206286). <52406360>, いすみ市, 30 m elev., on trunk of *Ilex rotunda*, 1998.11, coll. T.Kawana no. 98111104 (CBM-FL-12066). <52407003>, 君津市, 75 m elev., on trunk of *Cinnamomum camphora*, 2012.12, coll. T.Kawana no. 12122847 (CBM-FL-35447). <52407042>, 君津市, 237 m elev., on trunk of *Prunus* sp., 2012.12, coll. T.Kawana no. 12122811 (CBM-FL-35415). <52407069>, 市原市, 85 m elev., on trunk of *Quercus serrata*, 2015.12, coll. A.Sakata et al. no. 3775 (CBM-FL-101255). <52407101>, 市原市, 150 m elev., on trunk of *Prunus* sp., 1991.08, coll. M.Ishibashi no. 100 (CBM-FL-3494). <52407141>, 市原市, 70 m elev., on trunk of *Ilex integra*, 1992.12, coll. M.Ishibashi no. 197 (CBM-FL-3541). <52407149>, 大多喜町, 72 m elev., on trunk of *Prunus spachiana*, 2015.12, coll. H.Izumi & H.Harada no. 1480 (CBM-FL-101569). <52407273>, いすみ市, 35 m elev., on trunk of *Prunus mume*, 2016.06, coll. H.Yoshikawa et al. no. 1442 (CBM-FL-102067). <52407372>, いすみ市, 7 m elev., on trunk of *Ilex integra*, 2015.12, coll. H.Izumi & H.Harada no. 1456 (CBM-FL-101546). <53400040>, 袖ヶ浦市, 50 m elev., on rock, in a graveyard on slope, 1996.03, coll. H.Harada no. 15947 (CBM-FL-6930). <53400137>, 長南町, 60 m elev., on tombstones, 2000.03, coll. T.Kawana no. 30525 (CBM-FL-12839). <53400147>, 長南町, 40 m elev., on rocks, 2000.03, coll. T.Kawana no. 30542 (CBM-FL-12854); on trunk of *Ilex integra*, 2000.03, coll. T.Kawana no. 30550 (CBM-FL-12862). <53400149>, 長南町, 30 m elev., on rock, 2021.09, coll. A.Sakata no. 6069 (CBM-FL-41612). <千葉メッシュ 5025/ 53400175>, 長柄町, 50 m elev., on trunks of *Quercus serrata* and *Diospyros kaki*, 2000.02, coll. T.Kawana no. 22707 (CBM-FL-12807). <53400178>, 長南町, 50 m elev., on tombstone, 2000.04, coll. T.Kawana no. 40702 (CBM-FL-13037). <53400201>, 睦沢町, 87 m elev., on trunk of *Paulownia tomentosa*, 2016.06, coll. H.Izumi et al. no. 1622 (CBM-FL-102131). <53400205>, いすみ市, 79 m elev., on stone lantern, 2017.12, coll. H.Izumi no. 2110 (CBM-FL-103094). <千葉メッシュ 5187/ 53400217>, 睦沢町, 60 m elev., on trunk of dead-standing *Pinus densiflora*, by road, 1991.07, coll. H.Takamiya no. 91026 (CBM-FL-2668). <千葉メッシュ 5176/ 53400226>, 睦沢町, 60 m elev., on trunk of *Zelkova serrata*, at forest margin, 1991.08, coll. H.Takamiya no. 91040 (CBM-FL-2670). <53400229>, 一宮町, 23 m elev., on trunk of *Prunus mume*, 2021.01, coll. A.Sakata no. 5826 (CBM-FL-103520). <53400282>, 長南町, 44 m elev., on trunk of *Prunus mume*, 2021.02, coll. A.Sakata no. 5857 (CBM-FL-103539). <53400291>, 茂原市, 26 m elev., on trunk of *Zelkova serrata*, 2019.04, coll. H.Izumi no. 2336 (CBM-FL-103328) & 2341 (CBM-FL-103333). <53401211>, 茂原市, 15 m elev., on trunk of *Prunus mume*, 2000.04, coll. T.Kawana no. 40418 (CBM-FL-13035). <53402278>, 東金市, 15 m elev., on boulder, 1990.07, coll. H.Takamiya no. 90018 (CBM-FL-1079); 35 m elev., on rock, 1990.07, coll. H.Takamiya no. 90048 (CBM-FL-1090). <53402299>, 東金市, 30 m elev., on dead tree, 1992.12, coll. A.Matsushita no. 575 (CBM-FL-3312); on trunk of *Prunus* sp., 1992.12, coll. A.Matsushita no. 569 (CBM-FL-3306). <53403146>, 千葉市若葉区, 30 m elev., on a tomb stone, 1994.12, coll. H.Harada no. 15182 (CBM-FL-5009). <53405147>, 印西市, 29 m elev., on trunk of *Cerasus* sp., 2016.02, coll. H.Harada & T.Morita no. 31366 (CBM-FL-101979). <53405245>, 成田市, 11 m elev., on rock, 2021.03, coll. A.Sakata no. 5951 (CBM-FL-103606)

● *Myelochroa metarevoluta* (Asah.) Elix & Hale/ コフキチョロギウメノキゴケ

<52395723>, 南房総市, 170 m elev., on trunk of *Quercus serrata*, 2015.12, coll. A.Sakata et al. no. 3841 (CBM-FL-101458). <52396795>, 富津市, 280 m elev., on trunk of *Quercus serrata*, 2001.01, coll. T.Kawana no. 1010916 (CBM-FL-13477). <52405191>, 鴨川市, 310 m elev., on twigs of *Abies firma*, 2014.01, coll. A.Sakata no. 2410 (CBM-FL-37164). <52405195>, 鴨川市, 80 m elev., on trunks and branches of *Rhododendron* sp., 2017.01, coll. H.Harada et al. no. 31833 (CBM-FL-40709). <52406035>, 君津市, 130 m elev., on twig of *Rhododendron*, 2016.02, coll. H.Yoshikawa et al. no. 1312c (CBM-FL-102022). <52406077>, 君津市, 89 m elev., on twigs of *Rhododendron* sp., 2014.10, coll. H.Izumi no. 1024 (CBM-FL-100774).

<52407069>, 市原市, 85 m elev., on trunk of *Alnus japonica*, 2015.12, coll. A.Sakata et al. no. 3771 (CBM-FL-101251); H.Yoshikawa et al. no. 1149 (CBM-FL-101312); 90 m elev., on trunk of *Quercus* sp., 2015.12, coll. A.Sakata et al. no. 3779 (CBM-FL-101259). <52407100>, 市原市, 180 m elev., on trunk of *Acer* sp., by road above cliff, 2001.12, coll. H.Harada no. 19591 (CBM-FL-13578). <52407160>, 市原市, 65 m elev., on trunk of *Prunus* × *yedoensis*, 2015.12, coll. H.Izumi et al. no. 1445 (CBM-FL-101292); 71 m elev., on trunk of *Quercus glauca*, 2015.12, coll. H.Yoshikawa et al. no. 1138 (CBM-FL-101302); 80 m elev., on trunk of *Acer palmatum*, 2015.12, coll. H.Izumi et al. no. 1415 (CBM-FL-101265); on trunk of *Pourthiaea villosa* var. *leavis*, 2015.12, coll. H.Harada et al. no. 27994 (CBM-FL-101209). <52407255>, いすみ市, 15 m elev., on trunk and branches of *Quercus serrata*, 2015.08, coll. H.Harada no. 27969 (CBM-FL-100970). <53400201>, 睦沢町, 95 m elev., on trunk of cherry tree, 2016.06, coll. H.Yoshikawa et al. no. 1500 (CBM-FL-102114). <53405534>, 東庄町, 40 m elev., on trunk of *Zelkova serrata*, 2015.12, coll. H.Harada et al. no. 31119 (CBM-FL-101603)

● *Parmelia isidioclada* Vain./ ヤスダゴケ

<52396709>, 君津市, 250 m elev., on bark of evergreen hardwood, on steep slope, 1994.03, coll. A.Matsushita no. 778 (CBM-FL-4839). <千葉メッシュ 6157/ 52396747>, 富津市, 60 m elev., on trunk of *Diospyros kaki*, 1998.11, coll. T.Kawana no. 98110105 (CBM-FL-12031); on trunk of *Zelkova serrata*, 1999.03, coll. T.Kawana no. 99032817 (CBM-FL-12208). <52396756>, 富津市, 50 m elev., on trunk of *Quercus glauca*, in forest in gorge, 2001.12, coll. H.Harada no. 19597 (CBM-FL-13584). <52397756>, 君津市, 30 m elev., on trunk of *Prunus spachiana*, 2000.10, coll. T.Kawana no. 101701 (CBM-FL-14312). <52405182>, 鴨川市, 130 m elev., on trunk of deciduous hardwood, in forested gorge, 2012.01, coll. A.Sakata no. 830 (CBM-FL-33196); on trunk of *Prunus grayana*, in forested gorge, 2012.01, coll. H.Yoshikawa no. 45 (CBM-FL-33262). <52405190>, 鴨川市, 260 m elev., on trunk of *Torreya nucifera*, 2012.01, coll. H.Izumi no. 582 (CBM-FL-33297) & 583 (CBM-FL-33298); 280 m elev., on trunk of *Castanopsis sieboldii*, 2012.02, coll. H.Izumi no. 712 (CBM-FL-33762). <52405191>, 鴨川市, 250 m elev., on bark of deciduous hardwood, 1989.04, coll. H.Harada no. 9240 (CBM-FL-284); 300 m elev., on trunk of *Metasequoia glyptostroboides*, 2011.02, coll. H.Izumi no. 541 (CBM-FL-30498). <52405192>, 鴨川市, 170 m elev., on trunk of deciduous hardwood, in forested gorge, 2012.01, coll. H.Izumi no. 606 (CBM-FL-33321). <52405195>, 鴨川市, 80 m elev., on trunk of *Prunus* × *yedoensis*, 2017.01, coll. H.Yoshikawa et al. no. 1712 (CBM-FL-103073). <52406028>, 君津市, 170 m elev., on trunk of deciduous hardwood, 2012.12, coll. A.Sakata no. 1306 (CBM-FL-34586); H.Izumi no. 770 (CBM-FL-34742); 180 m elev., on branch, 2012.12, coll. H.Izumi no. 766 (CBM-FL-34738); 275 m elev., on trunk of *Abies firma*, 2014.03, coll. H.Yoshikawa no. 707 (CBM-FL-37481); on trunk of *Quercus variabilis*, 2014.03, coll. A.Sakata no. 2538 (CBM-FL-37520). <52406038>, 君津市, 145 m elev., on branches of *Acer* sp., 2012.02, coll. A.Sakata no. 894 (CBM-FL-33554); on trunk of deciduous hardwood, 2012.02, coll. H.Izumi no. 663 (CBM-FL-33713); 180 m elev., on trunk of *Mallotus japonicus*, 2012.02, coll. H.Harada no. 27154 (CBM-FL-33392). <52406039>, 君津市, 280 m elev., on trunk of *Quercus acuta*, 2013.12, coll. H.Yoshikawa no. 610 (CBM-FL-36943). <52406048>, 君津市, 130 m elev., on trunk of *Cryptomeria japonica*, 2012.02, coll. H.Izumi no. 676 (CBM-FL-33726). <52406101>, 鴨川市, 230 m elev., on trunk, 2013.01, coll. H.Izumi no. 851 (CBM-FL-35308); on trunk of deciduous hardwood, 2013.01, coll. H.Harada no. 28182 (CBM-FL-35177). <52406103>, 鴨川市, 280 m elev., on trunk of *Quercus sessilifolia*, 2011.02, coll. H.Izumi no. 506 (CBM-FL-30462). <52406121>, 君津市, 305 m elev., on trunk of *Mallotus japonicus*, 2015.01, coll. H.Izumi no. 1206 (CBM-FL-200362). <52406122>, 君津市, 290 m elev., on branch of *Castanopsis sieboldii*, 2015.01, coll. H.Yoshikawa no. 859 (CBM-FL-200224); on branches of *Castanopsis sieboldii*, 2015.01, coll. H.Harada no. 29685 (CBM-FL-200142); 340 m elev., on branch of deciduous hardwood, 2015.01, coll. H.Yoshikawa no. 847 (CBM-FL-200212). <52406131>, 君津市, 170 m elev., on dead-standing trunk of *Pinus thunbergii*, 2015.12, coll. H.Harada no. 30952 (CBM-FL-201304); 200 m elev., on branch of *Prunus* sp., 2015.12, coll. H.Yoshikawa no. 1109 (CBM-FL-201419). <52406141>,

君津市, 125 m elev., on decaying logs, 2015.03, coll. H.Yoshikawa no. 981 (CBM-FL-200711); on shrub (*Deutzia crenata*), 2015.03, coll. H.Izumi no. 1300 (CBM-FL-200768); on trunk of deciduous hardwood, 2015.03, coll. H.Yoshikawa no. 985 (CBM-FL-200713); 130 m elev., on trunk of *Quercus serrata*, 2015.03, coll. H.Yoshikawa no. 1000 (CBM-FL-200729); 200 m elev., on fallen timber, 2015.02, coll. H.Yoshikawa no. 947 (CBM-FL-200521); on trunk of deciduous hardwood, 2014.12, coll. A.Sakata no. 2813 (CBM-FL-37945); H.Harada no. 29633 (CBM-FL-38006); H.Yoshikawa no. 814 (CBM-FL-38060); on trunk of *Prunus buergeriana*, 2014.12, coll. H.Yoshikawa no. 807 (CBM-FL-38053) & 808 (CBM-FL-38054); 230 m elev., on branches of *Quercus salicina*, 2014.12, coll. H.Yoshikawa no. 785 (CBM-FL-38031); on trunk of *Abies firma*, 2015.02, coll. H.Yoshikawa no. 910 (CBM-FL-200484); on trunk of deciduous hardwood, 2014.12, coll. H.Yoshikawa no. 836 (CBM-FL-38082). <52406248>, 御宿町, 21 m elev., on trunk of *Prunus × yedoensis*, 2017.01, coll. H.Yoshikawa et al. no. 1886 (CBM-FL-102464). <52407100>, 市原市, 250 m elev., on trunk of *Prunus* sp., 1992.08, coll. M.Ishibashi no. 176 (CBM-FL-3520)

● *Parmelia laevior* Nyl./ テリハゴケ

<52405191>, 鴨川市, 250 m elev., on bark of deciduous hardwood, 1989.04, coll. H.Harada no. 9246 (CBM-FL-288); 260 m elev., on dead-standing tree trunk, 1999.03, coll. T.Kawana no. 99030716 (CBM-FL-12146). <52405192>, 鴨川市, 280 m elev., on trunk of deciduous hardwood, 2011.01, coll. H.Harada no. 26375 (CBM-FL-30344)

● *Parmelia pseudolaevior* Asah./ チヂレテリハゴケ

<52405191>, 鴨川市, 250 m elev., on bark of deciduous hardwood, 1989.04, coll. H.Harada no. 9239 (CBM-FL-283); 295 m elev., on trunk of *Quercus acuta*, 2014.01, coll. H.Harada no. 28886 (CBM-FL-37136). <52405192>, 鴨川市, 280 m elev., on trunk of deciduous hardwood, 2011.01, coll. H.Harada no. 26373 (CBM-FL-30342). <52406027>, 君津市, 275 m elev., on trunk of *Abies firma*, on forested ridge, 2014.12, coll. H.Yoshikawa no. 772 (CBM-FL-37875). <52406028>, 君津市, 275 m elev., on trunk of *Abies firma*, 2014.03, coll. H.Yoshikawa no. 708 (CBM-FL-37482). <52406029>, 鴨川市, 315 m elev., on trunk of *Abies firma*, 2013.12, coll. H.Yoshikawa no. 569 (CBM-FL-36902). <52406037>, 君津市, 260 m elev., on trunk of *Quercus acuta*, on forested ridge, 2016.03, coll. H.Izumi no. 1548 (CBM-FL-202374). <52406038>, 君津市, 145 m elev., on trunk of *Swida controversa*, 2012.02, coll. H.Izumi no. 668 (CBM-FL-33718); 160 m elev., on bark of deciduous hardwood, 2014.03, coll. H.Yoshikawa no. 720-b (CBM-FL-32682); 195 m elev., on trunk of *Zelkova serrata*, 2012.02, coll. H.Izumi no. 647 (CBM-FL-33697). <52406141>, 君津市, 170 m elev., on trunk of deciduous hardwood, 2015.02, coll. H.Yoshikawa no. 955 (CBM-FL-200528); 200 m elev., on trunk of *Ilex macropoda*, 2014.12, coll. H.Yoshikawa no. 806 (CBM-FL-38052); 230 m elev., on trunk of *Abies firma*, 2015.02, coll. H.Yoshikawa no. 912 (CBM-FL-200486)

● *Parmelinopsis horrescens* (Taylor) Elix & Hale/ トゲウメノキゴケモドキ

<52405191>, 鴨川市, 330 m elev., on branch of *Abies firma*, 2014.01, coll. H.Izumi no. 956 (CBM-FL-37352). <52406028>, 君津市, 280 m elev., on branch of *Abies firma*, 2012.12, coll. H.Harada no. 27740 (CBM-FL-34429). <52406038>, 君津市, 220 m elev., on trunk of *Prunus* sp., 2012.01, coll. H.Izumi no. 596 (CBM-FL-33311). <52406101>, 鴨川市, 230 m elev., on branch of *Cryptomeria japonica*, 2013.01, coll. H.Yoshikawa no. 340 (CBM-FL-35284); 250 m elev., on branch of *Pinus parviflora*, 2019.02, coll. M.Suzuki no. 190222-04 (CBM-FL-205484); 290 m elev., on branch of *Abies firma*, 2013.01, coll. H.Yoshikawa no. 283 (CBM-FL-35070). <52406141>, 君津市, 220 m elev., on branch of deciduous hardwood, 2015.02, coll. H.Yoshikawa no. 908 (CBM-FL-200482)

● *Parmelinopsis minarum* (Vain.) Elix & Hale/ トゲウメノキゴケ

<52393606>, 館山市, 30 m elev., on granitic stone, 2015.12, coll. H.Yoshikawa, H.Izumi & H.Harada no. 1050 (CBM-FL-101142). <52393762>, 南房総市, 43 m elev., on trunk of *Acer* sp., 2017.04, coll. A.Sakata et al. no. 5007 (CBM-FL-102552); H.Yoshikawa et al. no. 1986 (CBM-FL-102592). <52393770>, 館山市, 28 m elev., on trunk of *Ilex*

integrata, 2017.04, coll. A.Sakata et al. no. 5039 (CBM-FL-102565). <52393774>, 南房総市, 30 m elev., on tombstone, 2000.02, coll. T.Kawana no. 21108 (CBM-FL-12751). <52394761>, 南房総市, 30 m elev., on trunk of *Camelia japonica*, 1999.03, coll. T.Kawana no. 99033009 (CBM-FL-12221). <52394786>, 南房総市, 80 m elev., on trunk of *Cleyera japonica*, 2000.01, coll. T.Kawana no. 12916 (CBM-FL-12630). <52394799>, 南房総市, 60 m elev., on trunk of *Prunus × yedoensis*, 2000.01, coll. T.Kawana no. 13023 (CBM-FL-12672). <52395619>, 南房総市, 50 m elev., on branch of *Cryptomeria japonica*, 2015.12, coll. A.Sakata et al. no. 3823 (CBM-FL-101447); 95 m elev., on branches of deciduous hardwood, 2015.12, coll. H.Harada et al. no. 31040 (CBM-FL-101401). <52395686>, 鋸南町, 100 m elev., on bark of deciduous hardwood, 1989.06, coll. H.Harada no. 9337 (CBM-FL-378) & 9338 (CBM-FL-379). <52395696>, 鋸南町, 250 m elev., on bark of deciduous hardwood, 1989.06, coll. H.Harada no. 9320 (CBM-FL-361); 富津市, 50 m elev., on bark of pine, 1989.06, coll. H.Harada no. 9303 (CBM-FL-344). <52395723>, 南房総市, 67 m elev., on trunk of *Cryptomeria japonica*, 2015.12, coll. A.Sakata et al. no. 3865 (CBM-FL-101472); 100 m elev., on branches of *Prunus mume*, 2015.12, coll. H.Harada et al. no. 31045 (CBM-FL-101404); 170 m elev., on branch of *Quercus serrata*, 2015.12, coll. H.Yoshikawa et al. no. 1204 (CBM-FL-101518). <千葉メッシュ 6779/ 52395729>, 南房総市, 250 m elev., on trunk of *Prunus* sp., 2001.06, coll. T.Kawana no. 1061004 (CBM-FL-14061). <52395735>, 南房総市, 280 m elev., on trunk of *Prunus × yedoensis*, 2002.02, coll. T.Kawana no. 2020411 (CBM-FL-14342). <千葉メッシュ 6757/ 52395747>, 鴨川市, 130 m elev., on trunk of *Machilus thunbergii*, 1999.10, coll. T.Kawana no. 99101630 (CBM-FL-12421). <千葉メッシュ 6739/ 52395769>, 鴨川市, 50 m elev., on trunk of *Prunus* sp., 2001.05, coll. T.Kawana no. 1052005 (CBM-FL-15617). <52395770>, 鋸南町, 60 m elev., on trunk of *Cryptomeria japonica*, 1996.01, coll. T.Kawana no. 96010102b (CBM-FL-9081); on trunk of *Tsuga sieboldii*, 1996.08, coll. T.Kawana no. 96080411 (CBM-FL-9077). <52395772>, 鋸南町, 200 m elev., on rocks, 2000.08, coll. T.Kawana no. 81401 (CBM-FL-14087). <52395773>, 富津市, 180 m elev., on trunk of *Alnus japonica*, 2002.01, coll. T.Kawana no. 2011602 (CBM-FL-13853). <千葉メッシュ 6713/ 52395783>, 富津市, 100 m elev., on trunk of *Cryptomeria japonica*, 2002.01, coll. T.Kawana no. 2012303 (CBM-FL-14335); on trunk of *Zelkova serrata*, 1998.02, coll. T.Kawana no. 98022823 (CBM-FL-11083). <52395796>, 富津市, 130 m elev., on tombstone, 1997.12, coll. H.Harada no. 18647 (CBM-FL-10703); on trunk of *Cryptomeria japonica*, 1997.12, coll. H.Harada no. 18675 (CBM-FL-10731); on trunk of deciduous hardwood, 1997.12, coll. H.Harada no. 18673 (CBM-FL-10729). <千葉メッシュ 6099/ 52396609>, 富津市, 80 m elev., on bark of deciduous hardwood, 1996.07, coll. T.Kawana no. 96071435 (CBM-FL-9102). <52396627>, 富津市, 120 m elev., on trunk of *Prunus × yedoensis*, 1998.08, coll. T.Kawana no. 98081707 (CBM-FL-11987). <52396703>, 富津市, 100 m elev., on trunk of *Castanopsis sieboldii*, 1995.12, coll. T.Kawana no. 95121510 (CBM-FL-8350); on trunk of *Cinnamomum japonicum*, 1995.12, coll. T.Kawana no. 95121509 (CBM-FL-9072). <千葉メッシュ 6194/ 52396704>, 富津市, 100 m elev., on trunk of *Swida controversa*, 1995.12, coll. T.Kawana no. 95121415b (CBM-FL-9119). <52396705>, 富津市, 250 m elev., on trunk of *Quercus glauca*, 1995.06, coll. T.Kawana no. 95062002 (CBM-FL-8368); 260 m elev., on trunk of *Quercus acuta*, 1998.10, coll. T.Kawana no. 98101101 (CBM-FL-11910). <52396708>, 富津市, 120 m elev., on trunk of *Cryptomeria japonica*, 1997.10, coll. H.Harada no. 18458 (CBM-FL-10373); 130 m elev., on trunk of *Quercus serrata*, 1997.10, coll. H.Harada no. 18464 (CBM-FL-10379) & 18469 (CBM-FL-10384). <52396709>, 君津市, 250 m elev., on dead-standing trunk of *Abies firma*, in forest on ridge, 1993.10, coll. A.Matsushita no. 723 (CBM-FL-4689); on trunk of *Abies firma*, in forest on ridge, 1993.10, coll. A.Matsushita no. 707 (CBM-FL-4673). <52396713>, 富津市, 100 m elev., on trunk of *Prunus × yedoensis*, 1995.12, coll. T.Kawana no. 95121411 (CBM-FL-8363). <52396739>, 君津市, 160 m elev., on trunk of *Swida controversa*, by stream in forest, 1997.11, coll. H.Harada no. 18559 (CBM-FL-10589). <52396749>, 君津市, 100 m elev., on trunk of *Euptelea polyandra*, 2003.11, coll. T.Kawana no. 3111506 (CBM-FL-15629); 120 m elev., on trunk of *Swida controversa*, in valley, 2002.03, coll. T.Kawana no. 2030209 (CBM-FL-14426) & 2030213 (CBM-FL-14430). <52396758>, 君津市, 200 m elev., on trunk of *Swida controversa*, 2002.04, coll. T.Kawana no. 2042951 (CBM-FL-15066); 君

津市・鴨川市, 250 m elev., on trunk of *Quercus serrata*, on mountain ridge, 2002.01, coll. H.Harada no. 19632 (CBM-FL-13667); T.Kawana no. 2010512 (CBM-FL-13686). <52396759>, 君津市, 130 m elev., on trunk of *Quercus serrata*, 2002.08, coll. T.Kawana no. 2081314 (CBM-FL-15229). <52396764>, 富津市, 40 m elev., on trunk of *Prunus × yedoensis*, 1997.06, coll. T.Kawana no. 97061407a (CBM-FL-9039). <千葉メッシュ 6139/ 52396769>, 君津市, 70 m elev., on trunk of *Quercus glauca*, 2004.01, coll. T.Kawana no. 4012527 (CBM-FL-15669). <52396780>, 富津市, 20 m elev., on tombstone, 1999.02, coll. T.Kawana no. 99022108 (CBM-FL-12090). <52396795>, 富津市, 280 m elev., on trunk of *Prunus × yedoensis*, 2001.01, coll. T.Kawana no. 1010901 (CBM-FL-13464). <千葉メッシュ 5596/ 52397706>, 富津市, 300 m elev., on trunk of *Prunus* sp., 2000.05, coll. T.Kawana no. 50701 (CBM-FL-13077). <52397707>, 君津市, 350 m elev., on rocks, 1998.12, coll. T.Kawana no. 98120401 (CBM-FL-12237). <52397756>, 君津市, 30 m elev., on trunk of *Eurya japonica*, 2000.10, coll. T.Kawana no. 101707 (CBM-FL-14315). <52397769>, 君津市, 60 m elev., on trunk of *Cryptomeria japonica*, 2012.12, coll. T.Kawana no. 12120240 (CBM-FL-35391). <52404072>, 南房総市, 26 m elev., on trunk of *Prunus × yedoensis*, 2016.12, coll. H.Yoshikawa no. 1694 (CBM-FL-102305). <52405013>, 鴨川市, 70 m elev., on trunk of *Cryptomeria japonica*, 2000.01, coll. T.Kawana no. 10911 (CBM-FL-12450). <52405017>, 鴨川市, 99 m elev., on trunk of *Prunus* sp., 2016.02, coll. H.Yoshikawa et al. no. 1324 (CBM-FL-101938). <52405020>, 鴨川市, 215 m elev., on trunk of *Cryptomeria japonica*, 2016.02, coll. A.Sakata et al. no. 4052 (CBM-FL-101909). <52405045>, 鴨川市, 20 m elev., on trunk of *Ilex integra*, 1999.12, coll. T.Kawana no. 99121919 (CBM-FL-12477). <52405081>, 君津市, 340 m elev., on branch of *Castanopsis sieboldii*, 2017.01, coll. H.Yoshikawa no. 1845 (CBM-FL-102385); on trunk of *Castanopsis sieboldii*, 2017.01, coll. H.Yoshikawa no. 1860 (CBM-FL-102395). <千葉メッシュ 6811/ 52405081>, 君津市, 200 m elev., on trunk of *Ilex integra*, 2002.03, coll. T.Kawana no. 2031723 (CBM-FL-14530). <52405181>, 鴨川市, 250 m elev., on stump, 2015.03, coll. H.Yoshikawa no. 977-b (CBM-FL-203357); 310 m elev., on trunk of *Abies firma*, 2014.01, coll. A.Sakata no. 2499 (CBM-FL-37253). <52405182>, 鴨川市, 130 m elev., on soil, in forested gorge, 2012.01, coll. H.Izumi no. 631 (CBM-FL-33346). <52405189>, 勝浦市, 100 m elev., on stone-walls, 2000.03, coll. T.Kawana no. 31211 (CBM-FL-12907). <52405191>, 鴨川市, 275 m elev., on branch of *Abies firma*, 2013.01, coll. H.Harada no. 27917 (CBM-FL-34870); on branch of deciduous hardwood, 2013.01, coll. H.Yoshikawa no. 275 (CBM-FL-35062); 2014.03, coll. H.Yoshikawa no. 695-d (CBM-FL-203353); on branch of *Quercus acuta*, 2014.03, coll. H.Izumi no. 971 (CBM-FL-37544); 280 m elev., on trunk of *Castanopsis sieboldii*, 2012.01, coll. A.Sakata no. 757 (CBM-FL-33124); 310 m elev., on branch of *Quercus acuta*, 2014.01, coll. H.Izumi no. 938 (CBM-FL-37334); on twigs of *Abies firma*, 2014.01, coll. A.Sakata no. 2408 (CBM-FL-37162); 330 m elev., on bough of *Abies firma*, 2014.01, coll. A.Sakata no. 2462 (CBM-FL-37216); H.Yoshikawa no. 666 (CBM-FL-37298); on branch of *Abies firma*, 2014.01, coll. H.Yoshikawa no. 670 (CBM-FL-37302); 350 m elev., on trunk of *Abies firma*, 2014.01, coll. H.Harada no. 28832 (CBM-FL-37082). <52405192>, 鴨川市, 360 m elev., on trunk of *Quercus acuta*, around a forested peak, 2016.02, coll. H.Yoshikawa no. 1331 (CBM-FL-202082). <52405194>, 鴨川市, 135 m elev., on trunk of deciduous hardwood, 2017.01, coll. A.Sakata et al. no. 4911 (CBM-FL-102270); on trunk of *Quercus salicina*, 2017.01, coll. A.Sakata et al. no. 4912 (CBM-FL-102271); H.Harada et al. no. 31871 (CBM-FL-102245). <52405195>, 鴨川市, 80 m elev., on trunk of *Quercus salicina*, 2017.01, coll. A.Sakata et al. no. 4904 (CBM-FL-102262); H.Harada et al. no. 31844 (CBM-FL-102229); on twig of *Rhododendron* sp., 2017.01, coll. A.Sakata et al. no. 4898 (CBM-FL-102258). <52405290>, 勝浦市, 100 m elev., on trunk of *Castanopsis sieboldii*, 2000.03, coll. T.Kawana no. 31226 (CBM-FL-12921). <52406000>, 君津市, 170 m elev., on trunk of *Tsuga sieboldii*, 1993.08, coll. A.Matsushita no. 654 (CBM-FL-4170). <52406017>, 君津市, 290 m elev., on trunk of *Quercus salicina*, on forested ridge, 2014.12, coll. H.Izumi no. 1089 (CBM-FL-37812). <52406018>, 君津市, 280 m elev., on branch of *Abies firma*, 2012.12, coll. H.Izumi no. 723 (CBM-FL-34696); 300 m elev., on branch of *Castanopsis sieboldii*, 2012.12, coll. H.Yoshikawa no. 141 (CBM-FL-34616); H.Izumi no. 717 (CBM-FL-34690). <52406019>, 君津市, 330 m elev., on trunk of *Quercus*

salicina, 2012.02, coll. H.Harada no. 27239 (CBM-FL-33477). <52406027>, 君津市, 275 m elev., on trunk of *Abies firma*, on forested ridge, 2014.12, coll. H.Izumi no. 1079 (CBM-FL-37802). <52406028>, 君津市, 170 m elev., on branch of *Cryptomeria japonica*, 2012.12, coll. H.Yoshikawa no. 198 (CBM-FL-34673); on branch with mosses, 2012.12, coll. H.Yoshikawa no. 195 (CBM-FL-34670); 180 m elev., on branch, 2012.12, coll. H.Izumi no. 776 (CBM-FL-34748); 200 m elev., on branch of *Cryptomeria japonica*, 2012.12, coll. H.Yoshikawa no. 173 (CBM-FL-34648); on branch of deciduous hardwood, 2012.12, coll. H.Yoshikawa no. 185-b (CBM-FL-32686); 260 m elev., on branch of *Abies firma*, 2011.02, coll. A.Sakata no. 307 (CBM-FL-30444); 275 m elev., on branch of *Quercus acuta*, 2014.03, coll. H.Izumi no. 978 (CBM-FL-37551); on branches of *Abies firma*, 2014.03, coll. H.Harada no. 28921 (CBM-FL-37405); 280 m elev., on branch of *Abies firma*, 2012.12, coll. H.Yoshikawa no. 158 (CBM-FL-34633); 300 m elev., on trunk of *Abies firma*, on forested ridge, 2014.12, coll. H.Yoshikawa no. 770 (CBM-FL-37873). <52406029>, 鴨川市, 315 m elev., on branch of ever green hardwood, 2013.12, coll. H.Yoshikawa no. 574 (CBM-FL-36907); 君津市・鴨川市, 310 m elev., on bark of *Quercus glauca*, 2012.12, coll. H.Yoshikawa no. 210 (CBM-FL-34685); on trunk of *Castanopsis sieboldii*, 2012.12, coll. O.Watanuki no. 101132 (CBM-FL-34854). <52406031>, 君津市, 140 m elev., on trunk of *Prunus × yedoensis*, 2002.02, coll. T.Kawana no. 2022604 (CBM-FL-14369). <52406035>, 君津市, 185 m elev., on trunk of *Prunus* sp., 2016.02, coll. H.Yoshikawa et al. no. 1301 (CBM-FL-101920); on trunk of *Quercus serrata*, 2016.02, coll. A.Sakata et al. no. 4007 (CBM-FL-101872). <52406036>, 君津市, 125 m elev., on trunk of *Prunus* sp., 2016.02, coll. H.Yoshikawa et al. no. 1315 (CBM-FL-101930). <52406037>, 君津市, 260 m elev., on trunk of *Quercus acuta*, on forested ridge, 2016.03, coll. H.Izumi no. 1555 (CBM-FL-202381) & 1556 (CBM-FL-202382); on trunk of *Quercus serrata*, 2016.03, coll. H.Yoshikawa no. 1392 (CBM-FL-202316). <52406038>, 君津市, 180 m elev., on trunk of deciduous hardwood, 2012.02, coll. H.Harada no. 27149 (CBM-FL-33387); 220 m elev., on trunk of *Tsuga orientalis*, 2012.01, coll. H.Yoshikawa no. 30 (CBM-FL-33247); 235 m elev., on branch of *Cryptomeria japonica*, 2014.12, coll. A.Sakata no. 2610 (CBM-FL-37819); 268 m elev., on branch of *Prunus* sp., on forested ridge, 2016.03, coll. H.Izumi no. 1567 (CBM-FL-202393); 275 m elev., on trunk of *Castanopsis sieboldii*, 2016.03, coll. H.Yoshikawa no. 1416 (CBM-FL-202340); 290 m elev., on trunk of *Abies firma*, on forested ridge, 2016.03, coll. A.Sakata no. 4169 (CBM-FL-202262). <52406039>, 君津市, 280 m elev., on branch of *Abies firma*, 2013.12, coll. H.Harada no. 28708 (CBM-FL-36754); H.Yoshikawa no. 583 (CBM-FL-36916); on trunk of *Abies firma*, 2013.12, coll. H.Izumi no. 874 (CBM-FL-36971); on trunk of *Quercus acuta*, 2013.12, coll. H.Yoshikawa no. 612 (CBM-FL-36945); 300 m elev., on bough of *Abies firma*, 2013.12, coll. H.Yoshikawa no. 596 (CBM-FL-36929); on trunk of *Cryptomeria japonica*, 2013.12, coll. H.Izumi no. 896 (CBM-FL-36993). <52406040>, 君津市, 180 m elev., on trunk of *Mallotus japonicus*, 2003.06, coll. T.Kawana no. 3060321 (CBM-FL-15117). <52406041>, 君津市, 100 m elev., on trunk of *Quercus acutissima*, 2002.02, coll. T.Kawana no. 2022625 (CBM-FL-14390). <52406052>, 君津市, 90 m elev., on trunk of *Cryptomeria japonica*, 2002.07, coll. T.Kawana no. 2070209 (CBM-FL-15213). <52406062>, 君津市, 80 m elev., on trunk of *Prunus* sp., 2003.03, coll. T.Kawana no. 3032203 (CBM-FL-15083). <52406066>, 君津市, 88 m elev., on branch of *Prunus* sp., 2014.10, coll. H.Izumi no. 1045 (CBM-FL-100795); 120 m elev., on painted steel guardrail, 2012.12, coll. T.Kawana no. 12120402 (CBM-FL-35401). <52406077>, 君津市, 89 m elev., on guardrail (painted steel), 2014.10, coll. H.Izumi no. 1010 (CBM-FL-100760). <52406099>, 市原市, 200 m elev., on trunk of *Quercus serrata*, 1991.04, coll. H.Harada no. 11661 (CBM-FL-3559). <52406101>, 鴨川市, 260 m elev., 2017.03, coll. E.Kato no. 17033102 (CBM-FL-102589); 290 m elev., on trunk of deciduous hardwood, 2013.01, coll. H.Izumi no. 810 (CBM-FL-35037); 320 m elev., on trunk of *Picea*, 2013.01, coll. A.Sakata no. 1496 (CBM-FL-35217); on trunk of *Quercus glauca*, 2013.01, coll. H.Harada no. 28169 (CBM-FL-35164). <52406102>, 鴨川市, 330 m elev., on trunk of *Quercus acuta*, on forested ridge, 2016.02, coll. A.Sakata no. 4091 (CBM-FL-202016); 鴨川市, 340 m elev., on branch, around the forested peak, 2016.02, coll. H.Yoshikawa no. 1353 (CBM-FL-202104). <52406103>, 鴨川市, 280 m elev., on branch of *Quercus serrata*, along a forestry road, 2016.02, coll. A.Sakata no. 4126 (CBM-FL-202050); on

trunk of *Abies firma*, 2011.02, coll. H.Harada no. 26378 (CBM-FL-30357); on trunk of *Quercus acuta*, 2011.02, coll. H.Harada no. 26377 (CBM-FL-30356). <52406104>, 鴨川市, 235 m elev., on trunk of *Deutzia crenata*, 2017.01, coll. A.Sakata et al. no. 4925 (CBM-FL-102282). <52406112>, 君津市, 300 m elev., on trunk of deciduous hardwood, 2015.01, coll. H.Yoshikawa no. 869b (CBM-FL-203351); on trunk of *Quercus acuta*, 2015.01, coll. H.Izumi no. 1182 (CBM-FL-200338); 305 m elev., on rotten tree, 2015.01, coll. H.Yoshikawa no. 884 (CBM-FL-200389); 320 m elev., on trunk of *Quercus acuta*, 2015.01, coll. H.Harada no. 29704 (CBM-FL-200161). <52406121>, 君津市, 305 m elev., on trunk of *Mallotus japonicus*, 2015.01, coll. H.Izumi no. 1202 (CBM-FL-200358). <52406122>, 君津市, 280 m elev., on branch of *Quercus acuta*, 2015.01, coll. H.Izumi no. 1163 (CBM-FL-200250); 290 m elev., on branch of *Abies firma*, 2015.01, coll. H.Yoshikawa no. 857 (CBM-FL-200222); 340 m elev., at bare root of *Castanopsis sieboldii*, 2015.01, coll. H.Harada no. 29676 (CBM-FL-200133). <52406131>, 君津市, 170 m elev., on dead-standing trunk of *Pinus thunbergii*, 2015.12, coll. H.Harada no. 30955 (CBM-FL-201307); 190 m elev., on trunk of *Carpinus tschonoskii*, 2015.12, coll. A.Sakata no. 3801-b (CBM-FL-201742); 200 m elev., on branch of *Abies firma*, 2015.12, coll. H.Yoshikawa no. 1084 (CBM-FL-201394); on trunk of *Prunus* sp., 2015.12, coll. H.Yoshikawa no. 1115 (CBM-FL-201425); 220 m elev., on bark at trunk base of *Cryptomeria japonica*, 2015.12, coll. H.Harada no. 30941 (CBM-FL-201293); on trunk of *Castanopsis sieboldii*, 2015.12, coll. H.Yoshikawa no. 1096 (CBM-FL-201406). <52406141>, 君津市, 125 m elev., on shrub (*Deutzia crenata*), 2015.03, coll. H.Izumi no. 1297 (CBM-FL-200765); 200 m elev., on branch of deciduous hardwood, 2014.12, coll. H.Yoshikawa no. 817 (CBM-FL-38063); on trunk of deciduous hardwood, 2014.12, coll. A.Sakata no. 2814 (CBM-FL-37946); 210 m elev., on branch of deciduous hardwood, 2015.02, coll. H.Yoshikawa no. 935 (CBM-FL-200509); 230 m elev., on branch of *Quercus salicina*, 2014.12, coll. H.Izumi no. 1100 (CBM-FL-32757); on trunk of deciduous hardwood, 2014.12, coll. H.Yoshikawa no. 824 (CBM-FL-38070); on trunk of *Quercus acuta*, 2015.02, coll. H.Harada no. 30547 (CBM-FL-200451). <52406229>, 御宿町, 11 m elev., on trunk of *Zelkova serrata*, 2017.01, coll. H.Izumi et al. no. 1811 (CBM-FL-102458); 18 m elev., on trunk of *Zelkova serrata*, 2017.01, coll. H.Yoshikawa no. 1810 (CBM-FL-102361); 47 m elev., on stone work, 2017.01, coll. H.Yoshikawa et al. no. 1925 (CBM-FL-102485). <52406248>, 御宿町, 30 m elev., on trunk of *Prunus mume*, 2017.01, coll. H.Yoshikawa et al. no. 1882 (CBM-FL-102461). <52406251>, 勝浦市, 84 m elev., on tombstone, 2021.04, coll. A.Sakata & H.Harada no. 6008 (CBM-FL-206269). <52407009>, 市原市, 260 m elev., on trunk of deciduous hardwood, 1991.06, coll. M.Ishibashi no. 9 (CBM-FL-3406). <52407019>, 市原市, 220 m elev., on trunk of *Cryptomeria japonica*, 1991.06, coll. H.Harada no. 11866 (CBM-FL-3603). <千葉メッシュ 5666/ 52407036>, 君津市, 60 m elev., on tombstone, 2001.09, coll. T.Kawana no. 1092501 (CBM-FL-14223). <52407042>, 君津市, 237 m elev., on trunk of *Prunus* sp., 2012.12, coll. T.Kawana no. 12122812 (CBM-FL-35416). <52407051>, 君津市, 190 m elev., on trunk of *Prunus* sp., 2012.12, coll. T.Kawana no. 12120201 (CBM-FL-35360) & 12120204 (CBM-FL-35363). <52407100>, 市原市, 120 m elev., on trunk of deciduous hardwood, 1992.04, coll. M.Ishibashi no. 162 (CBM-FL-3507); 200 m elev., on trunk of *Pinus densiflora*, 1991.07, coll. H.Harada no. 11915 (CBM-FL-3653). <52407101>, 市原市, 150 m elev., on trunk of *Prunus* sp., 1991.08, coll. M.Ishibashi no. 97 (CBM-FL-3491); 200 m elev., on trunk of *Pinus densiflora*, 1992.08, coll. M.Ishibashi no. 170 (CBM-FL-3514). <52407102>, 市原市, 100 m elev., on trunk of *Prunus* sp., 1991.07, coll. M.Ishibashi no. 32 (CBM-FL-3429); 120 m elev., on bark of *Cryptomeria japonica*, 1989.04, coll. H.Harada no. 9200 (CBM-FL-252) & 9204 (CBM-FL-256); on bark of deciduous hardwood, 1989.04, coll. H.Harada no. 9191 (CBM-FL-243); on trunk of conifer, *Cryptomeria japonica*, 1991.04, coll. H.Harada no. 11672 (CBM-FL-3570). <52407105>, 大多喜町, 100 m elev., on trunk of *Quercus ｼｶｶﾞ*, 2000.03, coll. T.Kawana no. 31832 (CBM-FL-12970). <52407111>, 市原市, 200 m elev., on trunk of conifer, *Pinus densiflora*, 1991.07, coll. M.Ishibashi no. 53 (CBM-FL-3450). <52407121>, 市原市, 80 m elev., on trunk of conifer, *Cryptomeria japonica*, 1991.07, coll. M.Ishibashi no. 38 (CBM-FL-3435); on trunk of *Cryptomeria japonica*, 1991.07, coll. H.Harada no. 11892 (CBM-FL-3630). <52407130>, 市原市, 200 m elev., on trunk of *Quercus serrata*, 1991.07, coll. M.Ishibashi

no. 16 (CBM-FL-3413). <52407141>, 市原市, 70 m elev., on bark of *Prunus mume*, 1992.12, coll. M.Ishibashi no. 194 (CBM-FL-3538); on trunk of *Zelkova serrata*, 1992.12, coll. H.Harada no. 13348 (CBM-FL-3731). <52407149>, 大多喜町, 72 m elev., on trunk of *Prunus × yedoensis*, 2015.12, coll. H.Izumi & H.Harada no. 1479 (CBM-FL-101568). <52407160>, 市原市, 65 m elev., on trunk of *Acer palmatum*, 2015.12, coll. H.Harada et al. no. 28003 (CBM-FL-101217); 71 m elev., on trunk of *Quercus glauca*, 2015.12, coll. A.Sakata et al. no. 3764 (CBM-FL-101244); H.Yoshikawa et al. no. 1137 (CBM-FL-101301); 80 m elev., on trunk of *Prunus × yedoensis*, 2015.12, coll. H.Harada et al. no. 27989 (CBM-FL-101205). <52407255>, いすみ市, 15 m elev., on trunk of *Castanea crenata*, 2015.08, coll. A.Sakata no. 3583 (CBM-FL-101007). <52407256>, いすみ市, 15 m elev., on trunk of *Celtis sinensis*, 2012.12, coll. H.Harada no. 27868 (CBM-FL-100059). <52407273>, いすみ市, 35 m elev., on stone lantern, 2016.06, coll. H.Yoshikawa et al. no. 1439 (CBM-FL-102064). <52407372>, いすみ市, 7 m elev., on trunk of *Machilus thunbergii*, 2015.12, coll. H.Harada & H.Izumi no. 30985 (CBM-FL-101356). <53395794>, 松戸市, 23 m elev., on trunk of *Prunus* sp., 2017.03, coll. A.Sakata no. 4974 (CBM-FL-102530). <千葉メッシュ 4970/ 53400020>, 袖ヶ浦市, 50 m elev., on trunk of *Castanea crenata*, 1996.09, coll. T.Kawana no. 96093034a (CBM-FL-8031). <53400040>, 袖ヶ浦市, 50 m elev., on rock, in a graveyard on slope, 1996.03, coll. H.Harada no. 15936 (CBM-FL-6919). <53400096>, 袖ヶ浦市, 60 m elev., on trunk of *Prunus* sp., 1995.12, coll. H.Harada no. 15904 (CBM-FL-6497). <53400147>, 長南町, 40 m elev., on trunk of *Castanopsis sieboldii*, 2000.03, coll. T.Kawana no. 30547 (CBM-FL-12859); on trunk of *Prunus × yedoensis*, 2000.03, coll. T.Kawana no. 30540 (CBM-FL-12852). <53400149>, 長南町, 30 m elev., on granitic monument, 2021.09, coll. H.Harada no. 34010 (CBM-FL-206333). <53400155>, 市原市, 101 m elev., on bough of *Prunus × yedoensis*, 2015.10, coll. H.Yoshikawa no. 1023 (CBM-FL-101097); on trunk of *Prunus × yedoensis*, 2015.10, coll. H.Yoshikawa no. 1034 (CBM-FL-101108). <53400178>, 長南町, 50 m elev., on tombstone, 2000.04, coll. T.Kawana no. 40705 (CBM-FL-14015). <53400201>, 睦沢町, 80 m elev., on trunk of *Chamaecyparis obtusa*, at forest margin, 1990.12, coll. H.Takamiya no. 90386 (CBM-FL-2654); 87 m elev., on branch of cherry tree, 2016.06, coll. H.Yoshikawa et al. no. 1477 (CBM-FL-102096). <53400201>, 睦沢町, 87 m elev., on trunk of *Tilia japonica*, 2016.06, coll. H.Izumi et al. no. 1624 (CBM-FL-102133); 95 m elev., on painted steel fence, 2016.06, coll. H.Yoshikawa et al. no. 1495 (CBM-FL-102109); on trunk of cherry tree, 2016.06, coll. H.Izumi et al. no. 1634 (CBM-FL-102140). <千葉メッシュ 5173/ 53400223>, 睦沢町, 55 m elev., on trunk of *Cryptomeria japonica*, in forest, 1990.12, coll. H.Takamiya no. 90401 (CBM-FL-2658). <53400228>, 一宮町, 32 m elev., on branch of *Quercus acutissima*, 2017.01, coll. H.Yoshikawa no. 1787 (CBM-FL-102349). <53400229>, 一宮町, 12 m elev., on trunk of *Prunus × yedoensis*, 2015.12, coll. H.Izumi & H.Harada no. 1450 (CBM-FL-101540); 23 m elev., on trunk of *Prunus mume*, 2021.01, coll. A.Sakata no. 5825 (CBM-FL-103519). <千葉メッシュ 5155/ 53400245>, 睦沢町, 50 m elev., on trunk of *Cryptomeria japonica*, by road, 1991.08, coll. H.Takamiya no. 91054 (CBM-FL-2673). <53400250>, 長南町, 30 m elev., on stone lantern, 2021.09, coll. A.Sakata no. 6090 (CBM-FL-206361). <53400272>, 茂原市, 19 m elev., on trunk of *Prunus* sp., 2019.03, coll. H.Izumi no. 2231 (CBM-FL-103266). <53400301>, 一宮町, 5 m elev., on bark of *Pinus thunbergii*, 1988.11, coll. H.Harada no. 9168 (CBM-FL-235). <53400311>, 一宮町, 2 m elev., on trunk of *Pinus thunbergii*, in coastal forest, 1994.01, coll. H.Harada no. 14114 (CBM-FL-4798). <53400321>, 一宮町, 2 m elev., on bark of *Pinus thunbergii*, 1991.02, coll. H.Harada no. 11613 (CBM-FL-1308). <53401171>, 市原市, 65 m elev., on trunk of *Quercus acutissima*, 2013.03, coll. H.Yoshikawa no. 365 (CBM-FL-100245). <53401176>, 長柄町, 81 m elev., on wood deck, 2013.04, coll. H.Yoshikawa no. 448 (CBM-FL-100870). <53401213>, 茂原市, 16 m elev., on trunk of *Prunus* sp., 2018.06, coll. H.Izumi no. 2159 (CBM-FL-103160). <53401220>, 茂原市, 26 m elev., on trunk of *Cryptomeria japonica*, 2019.11, coll. H.Izumi no. 2502 (CBM-FL-103493). <53401228>, 白子町, 4.8 m elev., on stone guardian dog, 2016.12, coll. H.Izumi & H.Yoshikawa no. 1739 (CBM-FL-102435). <53401251>, 茂原市, 59 m elev., on stone Guardian dog, 2019.08, coll. H.Izumi no. 2473 (CBM-FL-103463). <53401252>, 茂原市, 29 m elev., on trunk of *Prunus* sp., 2018.11, coll. H.Izumi no. 2209

(CBM-FL-103250). <53401270>, 長柄町, 80 m elev., on rock, 2013.10, coll. H.Yoshikawa no. 506 (CBM-FL-100909). <53401273>, 茂原市, 26 m elev., on trunk of *Prunus* sp., 2019.04, coll. H.Izumi no. 2317 (CBM-FL-103305) & 2323 (CBM-FL-103308). <53401276>, 茂原市, 8 m elev., on trunk of *Cryptomeria japonica*, 2019.06, coll. H.Izumi no. 2383 (CBM-FL-103367). <53401281>, 茂原市, 97 m elev., on trunk of *Prunus* sp., 2019.08, coll. H.Izumi no. 2425 (CBM-FL-103428) & 2427 (CBM-FL-103430); 107 m elev., on trunk of *Cryptomeria japonica*, 2019.08, coll. H.Izumi no. 2437 (CBM-FL-103435). <53401292>, 茂原市, 23 m elev., on trunk of *Cercidiphyllum japonicum*, 2019.04, coll. H.Izumi no. 2303 (CBM-FL-103323). <53402124>, 市原市, 12 m elev., on trunk of *Cryptomeria japonica*, 2013.01, coll. H.Yoshikawa no. 253 (CBM-FL-100206); 14 m elev., on trunk of *Quercus acutissima*, 2013.01, coll. H.Yoshikawa no. 241 (CBM-FL-100196). <53402134>, 市原市, 27 m elev., on trunk of *Quercus acutissima*, 2013.02, coll. H.Yoshikawa no. 358 (CBM-FL-100239). <53402135>, 市原市, 39 m elev., on trunk of *Prunus* × *yedoensis* with mosses, 2013.01, coll. H.Yoshikawa no. 260 (CBM-FL-100213). <53402198>, 千葉市若葉区, 50 m elev., on trunk of a cherry tree, 1993.09, coll. H.Harada no. 13879 (CBM-FL-4519). <53402212>, 千葉市緑区, 80 m elev., on bark of *Quercus acutissima*, in forest on slope, 1993.11, coll. H.Harada no. 14089 (CBM-FL-4776) & 14092 (CBM-FL-4779); on trunk of *Cryptomeria japonica*, in forest in valley, 1993.11, coll. H.Harada no. 14071 (CBM-FL-4758). <53402271>, 千葉市若葉区, 42 m elev., on trunk of *Zelkova serrata*, 2013.02, coll. H.Izumi no. 11 (CBM-FL-204313). <53402275>, 東金市, 20 m elev., on trunk of conifer, *Cryptomeria japonica*, 1992.12, coll. A.Matsushita no. 532 (CBM-FL-3269); on trunk of *Cryptomeria japonica*, 1991.02, coll. H.Harada no. 11622 (CBM-FL-2521); on trunk of *Prunus* sp., 1991.02, coll. H.Harada no. 11632 (CBM-FL-2531). <千葉メッシュ 4026/53402276>, 東金市, 50 m elev., on trunk of deciduous hardwood, 1989.05, coll. H.Takamiya no. 89004 (CBM-FL-1006). <53402278>, 東金市, 50 m elev., on bark of *Prunus* sp., 1992.12, coll. A.Matsushita no. 512 (CBM-FL-3249). <53402291>, 千葉市若葉区, 45 m elev., on trunk of *Acer amoenum*, 2013.04, coll. H.Izumi no. 222 (CBM-FL-102757); on trunk of *Quercus myrsinaefolia*, 2013.04, coll. H.Izumi no. 212 (CBM-FL-102747). <53402294>, 八街市, 67 m elev., on trunk of *Prunus* sp., 2017.04, coll. H.Izumi no. 1875 (CBM-FL-102937). <53402299>, 東金市, 30 m elev., on trunk of *Cryptomeria japonica*, 1992.12, coll. A.Matsushita no. 586 (CBM-FL-3323). <千葉メッシュ 4102/53402392>, 東金市, 7 m elev., on rotten log, 1990.09, coll. H.Takamiya no. 90272 (CBM-FL-1119). <53403106>, 千葉市若葉区, 37 m elev., on trunk of *Prunus* sp., 2018.01, coll. H.Izumi no. 2123 (CBM-FL-103106). <53403135>, 千葉市若葉区, 20 m elev., on bark of *Quercus acutissima*, 1993.10, coll. H.Harada no. 13954 (CBM-FL-4739). <53403220>, 千葉市若葉区, 46 m elev., on trunk of *Prunus* sp., 2013.03, coll. H.Izumi no. 147 (CBM-FL-102717). <53403240>, 千葉市若葉区, 46 m elev., on trunk of *Zelkova serrata*, 2013.03, coll. H.Izumi no. 172 (CBM-FL-102725). <53403241>, 八街市, 21 m elev., on trunk of *Prunus* sp., in a yatsu valley, 2017.09, coll. H.Izumi no. 2089 (CBM-FL-103046). <53403260>, 八街市, 21 m elev., on trunk of *Prunus* sp., 2016.12, coll. H.Izumi no. 1711 (CBM-FL-102864). <53403261>, 八街市, 38 m elev., on trunk of *Prunus* sp., 2017.06, coll. H.Izumi no. 2015 (CBM-FL-103007). <53403266>, 八街市, 32 m elev., on trunk of *Celtis sinensis* var. *japonica*, 2017.07, coll. H.Izumi no. 2054 (CBM-FL-103034). <53403279>, 山武市, 40 m elev., on trunk of *Cercidiphyllum japonicum*, 2012.12, coll. H.Harada no. 27857 (CBM-FL-100049); on trunk of *Quercus acutissima*, 2012.12, coll. H.Harada no. 27856 (CBM-FL-100048). <53403292>, 八街市, 32 m elev., on trunk of *Prunus* sp., 2017.06, coll. H.Izumi no. 1989 (CBM-FL-102992). <53404400>, 横芝光町, 7 m elev., on trunk of *Liquidambar formosana*, 2013.02, coll. H.Harada & R.Harada no. 28197 (CBM-FL-100175). <53404669>, 銚子市, 5 m elev., on trunk of *Pinus thunbergii*, 2002.04, coll. H.Harada no. 19929 (CBM-FL-14537) & 19938 (CBM-FL-14546). <53405043>, 白井市, 20 m elev., on trunk of *Prunus* sp., 2005.12, coll. H.Harada no. 23285 (CBM-FL-22625). <53405066>, 白井市, 20 m elev., on trunk of *Quercus acutissima*, 2007.01, coll. H.Harada no. 24363 (CBM-FL-23013). <53405104>, 印西市, 23 m elev., on trunk of *Prunus* × *yedoensis*, 2012.12, coll. H.Harada & R.Harada no. 27895 (CBM-FL-100093). <53405147>, 印西市, 29 m elev., on trunk of *Cerasus* sp., 2016.02, coll. H.Harada & T.Morita no. 31258 (CBM-FL-101972). <53405165>, 印西市, 27 m elev., on branch of *Quercus*

myrsinifolia, 2016.02, coll. H.Harada & T.Morita no. 31245 (CBM-FL-101963); on stone-works, 2016.02, coll. H.Harada & T.Morita no. 31229 (CBM-FL-101953). <53405245>, 成田市, 14 m elev., on bow of *Carpinus tschonoskii* (fallen tree), 2021.03, coll. H.Harada no. 132742 (CBM-FL-206307); 20 m elev., on rock, 2021.03, coll. A.Sakata no. 5906 (CBM-FL-103570); 31 m elev., on twig of *Rhododendron* sp., 2021.03, coll. A.Sakata no. 5938 (CBM-FL-103601); 34 m elev., on trunk of *Pinus densiflora*, 2021.03, coll. H.Harada no. 132736 (CBM-FL-103592). <53405476>, 香取市, 30 m elev., on trunk of *Prunus* × *yedoensis*, 2017.01, coll. H.Yoshikawa no. 1771 (CBM-FL-102337). <53405534>, 東庄町, 40 m elev., on trunk of *Magnolia obovata*, 2015.12, coll. A.Sakata et al. no. 3890 (CBM-FL-101708); on trunk of *Zelkova serrata*, 2015.12, coll. H.Harada et al. no. 31122 (CBM-FL-101606). <53405564>, 東庄町, 52 m elev., on trunk of *Prunus* sp., 2015.12, coll. A.Sakata et al. no. 3917 (CBM-FL-101734). <53405571>, 香取市, 41 m elev., on wooden pole, 2015.12, coll. A.Sakata et al. no. 3919 (CBM-FL-101736). <53405580>, 香取市, 45 m elev., on trunk of *Prunus mume*, 2021.02, coll. A.Sakata no. 5872 (CBM-FL-103545). <53406472>, 香取市, 33 m elev., on trunk of *Prunus* × *yedoensis*, 2017.01, coll. H.Yoshikawa no. 1762 (CBM-FL-102331)

● *Parmelinopsis spumosa* (Asah.) Elix & Hale/ コナヒメウメノキゴケ

<52392699>, 南房総市, 60 m elev., on trunk of *Abies firma*, 2000.02, coll. T.Kawana no. 22219b (CBM-FL-12789). <52393606>, 館山市, 30 m elev., on stone-walls, 2015.12, coll. H.Izumi, H.Yoshikawa & H.Harada no. 1346 (CBM-FL-101187). <52393755>, 南房総市, 35 m elev., on trunk of *Ginkgo biloba*, 2015.12, coll. H.Izumi et al. no. 1528 (CBM-FL-101776). <52393762>, 南房総市, 43 m elev., on trunk of *Acer* sp., 2017.04, coll. H.Yoshikawa et al. no. 1991 (CBM-FL-102596). <52393770>, 館山市, 28 m elev., on stoneworks, 2017.04, coll. A.Sakata et al. no. 5037 (CBM-FL-102563). <52393774>, 南房総市, 30 m elev., on tombstone, 2000.02, coll. T.Kawana no. 21107 (CBM-FL-12750). <52394637>, 館山市, 24 m elev., on trunk of *Prunus* sp., 2015.12, coll. H.Yoshikawa, H.Izumi & H.Harada no. 1064 (CBM-FL-101156). <52394776>, 南房総市, 110 m elev., on trunk of *Prunus* sp., 2000.01, coll. T.Kawana no. 12127 (CBM-FL-12590). <52394786>, 南房総市, 80 m elev., on trunk of *Cleyera japonica*, 2000.01, coll. T.Kawana no. 12913 (CBM-FL-12624) & 12915 (CBM-FL-12631). <52395619>, 南房総市, 50 m elev., on branch of *Abies firma*, 2015.12, coll. H.Yoshikawa et al. no. 1194 (CBM-FL-101510); on twigs of *Cryptomeria japonica*, 2015.12, coll. A.Sakata et al. no. 3824 (CBM-FL-101448); 95 m elev., on trunk of *Swida controversa*, 2015.12, coll. H.Harada et al. no. 31038 (CBM-FL-101399). <52395668>, 鋸南町, 80 m elev., on trunk of *Myrica rubra*, 1999.04, coll. T.Kawana no. 99040909 (CBM-FL-12129). <52395686>, 鋸南町, 100 m elev., on bark of deciduous hardwood, 1989.06, coll. H.Harada no. 9333 (CBM-FL-374). <52395723>, 南房総市, 170 m elev., on trunk of *Quercus serrata*, 2015.12, coll. A.Sakata et al. no. 3840 (CBM-FL-101457); 330 m elev., on branch of *Ligustrum obtusifolium*, 2015.12, coll. H.Yoshikawa et al. no. 1221 (CBM-FL-101533). <52395735>, 南房総市, 280 m elev., on trunk of *Prunus* × *yedoensis*, 2002.02, coll. T.Kawana no. 2020410 (CBM-FL-14341). <52395770>, 鋸南町, 60 m elev., on trunk of *Tsuga sieboldii*, 1996.08, coll. T.Kawana no. 96080412 (CBM-FL-9076). <千葉メッシュ 6717/ 52395787>, 富津市, 130 m elev., on trunk of *Zelkova serrata*, 1998.02, coll. T.Kawana no. 98022805 (CBM-FL-11069). <52395796>, 富津市, 130 m elev., on trunk of *Cryptomeria japonica*, 1997.12, coll. H.Harada no. 18676 (CBM-FL-10732). <52396708>, 富津市, 120 m elev., on trunk of *Cryptomeria japonica*, 1997.10, coll. H.Harada no. 18457 (CBM-FL-10372); on trunk of *Pourthiaea villosa* var. *laevis*, 1997.10, coll. H.Harada no. 18431 (CBM-FL-10349); 130 m elev., on trunk of *Quercus serrata*, 1997.10, coll. H.Harada no. 18468 (CBM-FL-10383). <52396749>, 君津市, 100 m elev., on trunk of deciduous hardwood, in valley along road, 2002.02, coll. T.Kawana no. 2022322 (CBM-FL-14415); on trunk of *Prunus* sp., in valley along road, 2002.02, coll. T.Kawana no. 2022315 (CBM-FL-14409); 120 m elev., on trunk of *Swida controversa*, in valley, 2002.03, coll. T.Kawana no. 2030214 (CBM-FL-14431). <52396759>, 君津市, 80 m elev., on trunk of *Swida controversa*, 2003.12, coll. T.Kawana no. 3120434 (CBM-FL-15729). <52396764>, 富津市, 30 m

elev., on trunk of *Prunus* × *yedoensis*, 1998.11, coll. T.Kawana no. 98110103 (CBM-FL-12029); 40 m elev., on tombstone, 1997.06, coll. T.Kawana no. 97061415 (CBM-FL-9047). <千葉メッシュ 6139/52396769>, 君津市, 70 m elev., on trunk of *Quercus glauca*, 2004.01, coll. T.Kawana no. 4012528 (CBM-FL-15670). <52396795>, 富津市, 280 m elev., on trunk of *Prunus* × *yedoensis*, 2001.01, coll. T.Kawana no. 1010903 (CBM-FL-13466). <52397741>, 富津市, 50 m elev., on trunk of *Prunus* × *yedoensis*, 1997.10, coll. H.Harada no. 18363 (CBM-FL-10281). <52405017>, 鴨川市, 99 m elev., on trunk of *Prunus* sp., 2016.02, coll. A.Sakata et al. no. 4044 (CBM-FL-101904) & 4045 (CBM-FL-101905); H.Harada et al. no. 31205 (CBM-FL-101861). <52405020>, 鴨川市, 215 m elev., on trunk of *Cryptomeria japonica*, 2016.02, coll. A.Sakata et al. no. 4058 (CBM-FL-101915). <52405081>, 君津市, 340 m elev., on branch of *Castanopsis sieboldii*, 2017.01, coll. H.Yoshikawa no. 1852 (CBM-FL-102391). <千葉メッシュ 6811/52405081>, 君津市, 200 m elev., on trunk of *Quercus salicina*, 2002.03, coll. T.Kawana no. 2031712 (CBM-FL-14520). <52405181>, 鴨川市, 250 m elev., on branch of *Quercus glauca*, 2015.03, coll. H.Yoshikawa no. 970 (CBM-FL-200700); on trunk of *Castanopsis sieboldii*, 2015.03, coll. H.Izumi no. 1289 (CBM-FL-200757); on trunk of *Quercus salicina*, 2015.03, coll. H.Izumi no. 1291 (CBM-FL-200759) & 1294 (CBM-FL-200762). <52405182>, 鴨川市, 130 m elev., on trunk of deciduous hardwood, in forested gorge, 2012.01, coll. H.Yoshikawa no. 50 (CBM-FL-33267); on trunk of *Swida controversa*, by stream in forested gorge, 2012.01, coll. H.Yoshikawa no. 41 (CBM-FL-33258). <52405190>, 鴨川市, 260 m elev., on branch of *Abies firma*, 2014.03, coll. H.Izumi no. 975 (CBM-FL-37548); 280 m elev., on trunk of *Quercus glauca*, 2012.02, coll. H.Izumi no. 707 (CBM-FL-33757). <52405191>, 鴨川市, 260 m elev., on dead-standing tree trunk, 1999.03, coll. T.Kawana no. 99030717 (CBM-FL-12147); 260 m elev., on dead-standing tree trunk, 1999.03, coll. T.Kawana no. 99030721 (CBM-FL-12150); 265 m elev., on branch of *Abies firma*, 2013.01, coll. H.Yoshikawa no. 291 (CBM-FL-35078); on trunk of *Quercus glauca*, 2013.01, coll. H.Izumi no. 825 (CBM-FL-35052) & 829 (CBM-FL-35056); 275 m elev., on branch of *Abies firma*, 2013.01, coll. H.Yoshikawa no. 270 (CBM-FL-35057); on twig of *Abies firma*, 2013.01, coll. H.Yoshikawa no. 271-b (CBM-FL-201740); 280 m elev., on trunk of *Quercus glauca*, 2012.01, coll. H.Yoshikawa no. 7 (CBM-FL-33225); 286 m elev., on trunk of *Castanopsis sieboldii*, 2017.03, coll. H.Harada no. 31916 (CBM-FL-203640); 300 m elev., on trunk of *Quercus acuta*, 2014.01, coll. H.Izumi no. 949 (CBM-FL-37345) & 950 (CBM-FL-37346); 310 m elev., on twigs of *Abies firma*, 2014.01, coll. A.Sakata no. 2409 (CBM-FL-37163); 330 m elev., on bough of *Abies firma*, 2014.01, coll. H.Harada no. 28868 (CBM-FL-37118). <52405192>, 鴨川市, 360 m elev., on trunk of *Machilus thunbergii*, around a forested peak, 2016.02, coll. H.Harada no. 31444 (CBM-FL-201946). <52405194>, 鴨川市, 135 m elev., on trunk of *Diospyros japonica*, 2017.01, coll. A.Sakata et al. no. 4917 (CBM-FL-102276). <52405195>, 鴨川市, 80 m elev., on twig of *Rhododendron* sp., 2017.01, coll. A.Sakata et al. no. 4899 (CBM-FL-102259). <52406000>, 君津市, 170 m elev., on bark of *Quercus serrata*, in a forest of deciduous and evergreen hardwoods, 1993.08, coll. H.Harada no. 13603 (CBM-FL-4164); on trunk of *Tsuga sieboldii*, 1993.08, coll. A.Matsushita no. 655 (CBM-FL-4171). <52406018>, 君津市, 280 m elev., on branch of *Abies firma*, 2012.12, coll. H.Izumi no. 725 (CBM-FL-34698); 280 m elev., on twig of *Abies firma*, 2012.12, coll. H.Yoshikawa no. 148 (CBM-FL-34623); 300 m elev., on branch of *Castanopsis sieboldii*, 2012.12, coll. H.Yoshikawa no. 142 (CBM-FL-34617). <52406019>, 君津市, 330 m elev., on trunk of *Quercus salicina*, 2012.02, coll. H.Harada no. 27238 (CBM-FL-33476). <千葉メッシュ 6271/52406021>, 君津市, 140 m elev., on trunk of *Prunus* × *yedoensis*, 2002.02, coll. T.Kawana no. 2022613 (CBM-FL-14378). <52406027>, 君津市, 275 m elev., on trunk of *Abies firma*, on forested ridge, 2014.12, coll. H.Yoshikawa no. 774 (CBM-FL-37877). <52406028>, 君津市, 200 m elev., on branch of *Cryptomeria japonica*, 2012.12, coll. H.Yoshikawa no. 176 (CBM-FL-34651); on branch of shrub, 2012.12, coll. A.Sakata no. 1288 (CBM-FL-34568); 220 m elev., on branch of *Cryptomeria japonica*, 2012.12, coll. H.Izumi no. 755 (CBM-FL-34727); 260 m elev., on branches of *Abies firma*, 2011.02, coll. H.Harada no. 26416 (CBM-FL-30395); 280 m elev., on branch of *Abies firma*, 2012.12, coll. H.Izumi no. 741 (CBM-FL-34714); H.Yoshikawa no. 164 (CBM-FL-34639); 300 m elev., on branch of *Abies*

firma, on forested ridge, 2014.12, coll. A.Sakata no. 2630 (CBM-FL-37839). <52406029>, 鴨川市, 315 m elev., on trunk of *Abies firma*, 2013.12, coll. H.Yoshikawa no. 573 (CBM-FL-36906); 君津市・鴨川市, 310 m elev., on trunk of *Castanopsis sieboldii*, 2012.12, coll. H.Izumi no. 778 (CBM-FL-34750). <52406035>, 君津市, 185 m elev., on trunk of *Abies firma*, 2016.02, coll. A.Sakata et al. no. 4016 (CBM-FL-101880); on trunk of *Prunus* sp., 2016.02, coll. H.Yoshikawa et al. no. 1302 (CBM-FL-101921); on trunk of *Quercus glauca*, 2016.02, coll. A.Sakata et al. no. 4025 (CBM-FL-101887); H.Harada et al. no. 31169 (CBM-FL-101840). <52406036>, 君津市, 125 m elev., on trunk of *Prunus* sp., 2016.02, coll. A.Sakata et al. no. 4036 (CBM-FL-101896). <52406037>, 君津市, 260 m elev., on trunk of *Quercus acuta*, on forested ridge, 2016.03, coll. H.Izumi no. 1549 (CBM-FL-202375). <52406038>, 君津市, 145 m elev., on trunk of deciduous hardwood, 2012.02, coll. A.Sakata no. 905 (CBM-FL-33565); 160 m elev., on twigs of *Abies firma*, 2014.03, coll. H.Harada no. 28979 (CBM-FL-37463); 195 m elev., on trunk of *Prunus* sp., 2012.02, coll. H.Harada no. 27138 (CBM-FL-33376); H.Izumi no. 649 (CBM-FL-33699); 220 m elev., on trunk of *Prunus* sp., 2012.01, coll. H.Izumi no. 594 (CBM-FL-33309); on trunk of *Thuja orientalis*, 2012.01, coll. H.Yoshikawa no. 28 (CBM-FL-33245); 235 m elev., on branch of *Cryptomeria japonica*, 2014.12, coll. H.Izumi no. 1063 (CBM-FL-37786); on twigs of *Cryptomeria japonica*, 2014.12, coll. A.Sakata no. 2608 (CBM-FL-37817); 268 m elev., on branches of *Prunus* sp., on forested ridge, 2016.03, coll. H.Harada no. 31336 (CBM-FL-202196); 275 m elev., on trunk of *Castanopsis sieboldii*, 2016.03, coll. H.Yoshikawa no. 1413 (CBM-FL-202337). <52406039>, 君津市, 280 m elev., on branch of *Abies firma*, 2013.12, coll. H.Yoshikawa no. 584 (CBM-FL-36917); on trunk of *Quercus acuta*, 2013.12, coll. H.Izumi no. 902 (CBM-FL-36999); on twigs of *Abies firma*, 2013.12, coll. H.Harada no. 28711 (CBM-FL-36757); 300 m elev., on bough of *Abies firma*, 2013.12, coll. H.Yoshikawa no. 595 (CBM-FL-36928). <52406047>, 君津市, 250 m elev., on twigs of *Abies firma*, on forested ridge, 2016.03, coll. H.Harada no. 31298 (CBM-FL-202159); on twigs of *Abies firma*, 2016.03, coll. H.Yoshikawa no. 1425 (CBM-FL-202349). <52406050>, 君津市, 140 m elev., on trunk of *Prunus* × *yedoensis*, 2000.02, coll. T.Kawana no. 20405 (CBM-FL-12692). <52406066>, 君津市, 88 m elev., on branch of *Cryptomeria japonica*, 2014.10, coll. H.Izumi no. 1061 (CBM-FL-100811); on branch of *Prunus* sp., 2014.10, coll. H.Izumi no. 1043 (CBM-FL-100793). <千葉メッシュ 6221/52406071>, 富津市, 80 m elev., on tombstone, 2003.01, coll. T.Kawana no. 3012111 (CBM-FL-15052). <52406077>, 君津市, 89 m elev., on guardrail (painted steel), 2014.10, coll. H.Izumi no. 1018 (CBM-FL-100768). <52406101>, 鴨川市, 235 m elev., on branch of *Cryptomeria japonica*, 2013.01, coll. H.Yoshikawa no. 304 (CBM-FL-35248); 250 m elev., on branch of *Pinus parviflora*, 2019.02, coll. M.Suzuki no. 190222-05 (CBM-FL-205485); 290 m elev., on branch of *Abies firma*, 2013.01, coll. H.Yoshikawa no. 285 (CBM-FL-35072); 320 m elev., on trunk of *Pinus densiflora*, 2013.01, coll. H.Harada no. 28172 (CBM-FL-35167); H.Yoshikawa no. 331 (CBM-FL-35275). <52406102>, 鴨川市, 330 m elev., on trunk of *Quercus glauca*, 2013.01, coll. H.Yoshikawa no. 311 (CBM-FL-35255). <52406103>, 鴨川市, 280 m elev., on bark of fallen trunk of conifer, 2011.02, coll. H.Izumi no. 519 (CBM-FL-30475); on trunk of *Castanopsis sieboldii*, 2011.02, coll. A.Sakata no. 288 (CBM-FL-30426). <52406104>, 鴨川市, 235 m elev., on trunk of *Abies firma*, 2017.01, coll. A.Sakata et al. no. 4930 (CBM-FL-102284). <52406112>, 君津市, 300 m elev., on branch of *Abies firma*, 2015.01, coll. H.Harada no. 29721 (CBM-FL-200270); H.Yoshikawa no. 867 (CBM-FL-200372) & 874 (CBM-FL-200379); on trunk of *Quercus acuta*, 2015.01, coll. H.Izumi no. 1183 (CBM-FL-200339); 305 m elev., on branch of *Abies firma*, 2015.01, coll. H.Yoshikawa no. 880 (CBM-FL-200385); 320 m elev., on twig of *Abies firma*, 2015.01, coll. H.Yoshikawa no. 864 (CBM-FL-200229). <52406121>, 君津市, 285 m elev., on trunk of *Cinnamomum japonicum*, 2015.01, coll. H.Yoshikawa no. 891b (CBM-FL-203352); on trunk of *Quercus acuta*, 2015.01, coll. H.Yoshikawa no. 898 (CBM-FL-200402); 305 m elev., on trunk of evergreen hardwood, 2015.01, coll. H.Izumi no. 1207 (CBM-FL-200363). <52406131>, 君津市, 170 m elev., on dead-standing trunk of *Pinus thunbergii*, 2015.12, coll. H.Harada no. 30954 (CBM-FL-201306); 200 m elev., on trunk of *Castanopsis sieboldii*, 2015.12, coll. A.Sakata no. 3710 (CBM-FL-201344); H.Izumi no. 1399 (CBM-FL-201482); on trunk of *Cinnamomum camphora*, 2015.12, coll. H.Izumi no. 1398 (CBM-

FL-201481); on twig of *Abies firma*, 2015.12, coll. H.Yoshikawa no. 1086 (CBM-FL-201396); 220 m elev., on trunk of *Castanopsis sieboldii*, 2015.12, coll. H.Yoshikawa no. 1088 (CBM-FL-201398) & 1091 (CBM-FL-201401). <52406141>, 君津市, 200 m elev., on branch of *Gleditsia japonica*, 2014.12, coll. H.Izumi no. 1121 (CBM-FL-32779); on branch of *Quercus serrata*, 2015.02, coll. H.Izumi no. 1244 (CBM-FL-200562); 220 m elev., on branch of deciduous hardwood, 2015.02, coll. H.Yoshikawa no. 909 (CBM-FL-200483); 230 m elev., on trunk of *Quercus acuta*, 2015.02, coll. H.Harada no. 30548 (CBM-FL-200452); 280 m elev., on branch of *Abies firma*, 2014.12, coll. H.Izumi no. 1112 (CBM-FL-32769); H.Yoshikawa no. 800 (CBM-FL-38046) & 799-b (CBM-FL-203356); on trunk of *Quercus acuta*, 2014.12, coll. H.Harada no. 29610 (CBM-FL-37983); on twigs and branches of *Abies firma*, 2014.12, coll. A.Sakata no. 2689 (CBM-FL-37921). <52406181>, 市原市, 200 m elev., on trunk of *Prunus* sp., 1991.04, coll. H.Harada no. 11671 (CBM-FL-3569). <52406229>, 御宿町, 20 m elev., on trunk of *Zelkova serrata*, 2017.01, coll. H.Yoshikawa et al no. 1945 (CBM-FL-102490); 47 m elev., on stone work, 2017.01, coll. H.Yoshikawa et al no. 1922 (CBM-FL-102483). <52406248>, 御宿町, 30 m elev., on trunk of *Prunus mume*, 2017.01, coll. H.Yoshikawa et al no. 1880 (CBM-FL-102460). <52406251>, 勝浦市, 84 m elev., on branch of *Prunus* sp., 2021.04, coll. A.Sakata & H.Harada no. 6021 (CBM-FL-206279); on trunk of *Euonymus alatus*, 2021.04, coll. A.Sakata & H.Harada no. 6024 (CBM-FL-206282); on twig of *Rhododendron* sp., 2021.04, coll. A.Sakata & H.Harada no. 6023 (CBM-FL-206281). <52407070>, 君津市, 70 m elev., on trunk of *Cryptomeria japonica*, 2012.11, coll. T.Kawana no. 19111933 (CBM-FL-35349). <52407101>, 市原市, 200 m elev., on trunk of *Pinus densiflora*, 1992.08, coll. M.Ishibashi no. 171 (CBM-FL-3515). <52407102>, 市原市, 100 m elev., on trunk of *Prunus* sp., 1991.07, coll. M.Ishibashi no. 34 (CBM-FL-3431); 120 m elev., on bark of *Cryptomeria japonica*, 1989.04, coll. H.Harada no. 9194 (CBM-FL-246). <52407141>, 市原市, 70 m elev., on bark of *Prunus mume*, 1992.12, coll. M.Ishibashi no. 208 (CBM-FL-3552); on trunk of *Zelkova serrata*, 1992.12, coll. H.Harada no. 13359 (CBM-FL-3742). <52407149>, 大多喜町, 72 m elev., on trunk of *Pinus* sp., 2015.12, coll. H.Harada & H.Izumi no. 31013 (CBM-FL-101376). <52407160>, 市原市, 65 m elev., on trunk of *Acer palmatum*, 2015.12, coll. H.Harada et al. no. 28004 (CBM-FL-101218); 71 m elev., on trunk of *Quercus glauca*, 2015.12, coll. A.Sakata et al. no. 3765 (CBM-FL-101245); 80 m elev., on trunk of deciduous hardwood, 2015.12, coll. A.Sakata et al. no. 3751 (CBM-FL-101232). <52407255>, いすみ市, 15 m elev., on branch of *Prunus mume*, 2015.08, coll. H.Yoshikawa no. 1015 (CBM-FL-100987); on trunk of *Castanea crenata*, 2015.08, coll. H.Harada no. 27979 (CBM-FL-100980). <52407256>, いすみ市, 15 m elev., on trunk of *Albizia julibrissin*, 2012.12, coll. H.Harada no. 27871 (CBM-FL-100062). <52407273>, いすみ市, 35 m elev., on stone lantern, 2016.06, coll. H.Yoshikawa et al. no. 1440 (CBM-FL-102065). <52407372>, いすみ市, 7 m elev., on trunk of *Prunus* × *yedoensis*, 2015.12, coll. H.Izumi & H.Harada no. 1466 (CBM-FL-101556). <千葉メッシュ 4970/> 53400020>, 袖ヶ浦市, 50 m elev., on trunk of *Castanea crenata*, 1996.09, coll. T.Kawana no. 96093034b (CBM-FL-8032). <53400051>, 袖ヶ浦市, 10 m elev., on tombstone, 1995.12, coll. H.Harada no. 15898b (CBM-FL-6530). <53400086>, 袖ヶ浦市, 80 m elev., on sandstone, 1995.12, coll. H.Harada no. 15912 (CBM-FL-6505). <53400091>, 袖ヶ浦市, 20 m elev., on rocks, 1995.12, coll. H.Harada no. 15926 (CBM-FL-6519). <53400149>, 長南町, 30 m elev., on granitic monument, 2021.09, coll. H.Harada no. 34008 (CBM-FL-206331). <53400155>, 市原市, 101 m elev., on bough of *Prunus* × *yedoensis*, 2015.10, coll. H.Yoshikawa no. 1022 (CBM-FL-101096); on trunk of *Prunus* × *yedoensis*, 2015.10, coll. H.Yoshikawa no. 1033 (CBM-FL-101107). <53400173>, 市原市, 50 m elev., on rocks, 1998.08, coll. T.Kawana no. 98080103 (CBM-FL-11424). <53400201>, 睦沢町, 87 m elev., on trunk of cherry tree, 2016.06, coll. H.Izumi et al. no. 1625 (CBM-FL-102134); 95 m elev., on trunk of cherry tree, 2016.06, coll. H.Harada et al. no. 31626 (CBM-FL-102055). <53400228>, 一宮町, 32 m elev., on trunk of *Acer* sp., 2017.01, coll. H.Yoshikawa no. 1790 (CBM-FL-102352). <53400229>, 一宮町, 12 m elev., on trunk of *Prunus mume*, 2015.12, coll. H.Harada & H.Izumi no. 28054 (CBM-FL-101343). <53400250>, 長南町, 30 m elev., on twigs of *Rhododendron* sp., 2021.09, coll. H.Harada no. 34023 (CBM-FL-103628). <53400272>, 茂原市, 19 m elev., on trunk of *Prunus* sp.,

2019.03, coll. H.Izumi no. 2232 (CBM-FL-103267). <53400274>, 茂原市, 30 m elev., on trunk of *Eurya japonica*, 2019.03, coll. H.Izumi no. 2259 (CBM-FL-103285). <53400281>, 長南町, 28 m elev., on trunk of *Pinus thunbergii*, 2021.02, coll. A.Sakata no. 5854 (CBM-FL-103537). <53400282>, 長南町, 44 m elev., on trunk of deciduous hardwood, 2021.02, coll. A.Sakata no. 5861b (CBM-FL-206170). <53400301>, 一宮町, 5 m elev., on bark of *Pinus thunbergii*, 1988.11, coll. H.Harada no. 9167 (CBM-FL-234). <53400311>, 一宮町, 2 m elev., on trunk of *Pinus thunbergii*, in coastal forest, 1994.01, coll. H.Harada no. 14113 (CBM-FL-4797). <53400321>, 一宮町, 2 m elev., on bark of *Pinus thunbergii*, 1991.02, coll. H.Harada no. 11614 (CBM-FL-1309). <53401058>, 市原市, 15 m elev., on wooden boardwalk, 2013.11, coll. H.Yoshikawa no. 551 (CBM-FL-100948). <53401176>, 長柄町, 81 m elev., on wooden pole (lignus), 2013.04, coll. H.Yoshikawa no. 450 (CBM-FL-100872). <53401212>, 茂原市, 24 m elev., on trunk of *Prunus* sp., 2018.06, coll. H.Izumi no. 2186 (CBM-FL-103174). <53401228>, 白子町, 4.8 m elev., on stone guardian dogs, 2016.12, coll. H.Yoshikawa & H.Izumi no. 1666 (CBM-FL-102412). <53401252>, 茂原市, 29 m elev., on trunk of *Prunus* sp., 2018.11, coll. H.Izumi no. 2206 (CBM-FL-103247) & 2217 (CBM-FL-205247). <53401271>, 茂原市, 95 m elev., on branch of *Castanopsis sieboldii*, 2019.08, coll. H.Izumi no. 2418 (CBM-FL-103422). <53401276>, 茂原市, 8 m elev., on trunk of *Cryptomeria japonica*, 2019.06, coll. H.Izumi no. 2382 (CBM-FL-103366). <53401281>, 茂原市, 97 m elev., on trunk of *Prunus* sp., 2019.08, coll. H.Izumi no. 2426 (CBM-FL-103429). <53402124>, 市原市, 14 m elev., on trunk of *Quercus acutissima*, 2013.01, coll. H.Yoshikawa no. 242 (CBM-FL-100197). <53402133>, 市原市, 36 m elev., on trunk of *Celtis sinensis* var. *japonica*, 2013.04, coll. H.Yoshikawa no. 431 (CBM-FL-100853). <53402145>, 市原市, 45 m elev., on trunk of *Prunus* × *yedoensis*, 2013.01, coll. H.Yoshikawa no. 258 (CBM-FL-100211); 47 m elev., on twig of *Rhododendron* sp., 2013.02, coll. H.Yoshikawa no. 346 (CBM-FL-100227). <53402164>, 千葉市緑区, 23 m elev., on trunk of *Quercus acutissima*, 2013.11, coll. H.Yoshikawa no. 523 (CBM-FL-100919); on trunk of *Swida controversa*, 2013.11, coll. H.Yoshikawa no. 529 (CBM-FL-100925). <53402198>, 千葉市若葉区, 50 m elev., on trunk of a cherry tree, 1993.09, coll. H.Harada no. 13880 (CBM-FL-4520). <53402212>, 千葉市緑区, 80 m elev., on bark of *Quercus acutissima*, in forest on slope, 1993.11, coll. H.Harada no. 14083 (CBM-FL-4770). <53402271>, 千葉市若葉区, 42 m elev., on trunk of *Prunus* sp., 2013.02, coll. H.Izumi no. 19 (CBM-FL-102662). <53402275>, 東金市, 20 m elev., on trunk of *Cryptomeria japonica*, 1991.02, coll. H.Harada no. 11621 (CBM-FL-2520). <53402276>, 東金市, 20 m elev., on bark of *Prunus* sp., 1992.12, coll. A.Matsushita no. 554 (CBM-FL-3291). <53402278>, 東金市, 50 m elev., on trunk of *Prunus* sp., 1992.12, coll. A.Matsushita no. 558 (CBM-FL-3295). <53402281>, 千葉市若葉区, 42 m elev., on trunk of *Zelkova serrata*, 2013.02, coll. H.Izumi no. 9 (CBM-FL-102658). <53402291>, 千葉市若葉区, 35 m elev., on trunk of *Prunus* sp., 2013.04, coll. H.Izumi no. 187 (CBM-FL-102729); 45 m elev., on branch of deciduous hardwood, 2013.04, coll. H.Izumi no. 216 (CBM-FL-102751); on trunk of *Magnolia praecocissima*, 2013.04, coll. H.Izumi no. 205 (CBM-FL-102740). <53402295>, 千葉市緑区, 51 m elev., on branch of *Rhododendron* sp., 2017.04, coll. H.Izumi no. 1907 (CBM-FL-102952). <千葉メッシュ 4171/> 53402321>, 東金市, 5 m elev., on trunk of *Pinus densiflora*, 1990.09, coll. H.Takamiya no. 90253 (CBM-FL-1110). <53403106>, 千葉市若葉区, 37 m elev., on trunk of *Prunus* sp., 2018.01, coll. H.Izumi no. 2128 (CBM-FL-103110). <53403233>, 八街市, 62 m elev., on trunk of *Prunus* sp., 2013.02, coll. H.Izumi no. 37 (CBM-FL-204328) & 44 (CBM-FL-102676). <53403241>, 八街市, 21 m elev., on trunk of *Prunus* sp., in a yatsu valley, 2017.09, coll. H.Izumi no. 2088 (CBM-FL-103045). <53403260>, 八街市, 21 m elev., on trunk of *Prunus mume*, 2016.12, coll. H.Izumi no. 1703 (CBM-FL-102858) & 1698 (CBM-FL-102853). <53403261>, 八街市, 15 m elev., on trunk of *Prunus* sp., 2016.12, coll. H.Izumi no. 1716 (CBM-FL-102868); 36 m elev., on trunk of *Lindera praecox*, 2013.04, coll. H.Izumi no. 313 (CBM-FL-102790); 38 m elev., on trunk of *Prunus* sp., 2017.06, coll. H.Izumi no. 2007 (CBM-FL-103004). <53403279>, 山武市, 40 m elev., on trunk of *Quercus serrata*, 2012.12, coll. H.Harada no. 27851 (CBM-FL-100043). <53403297>, 八街市, 45 m elev., on trunk of *Magnolia kobus*, in secondary forest behind a house, 2017.03, coll. H.Izumi no. 1831 (CBM-FL-102901). <53403305>, 山武市, 6 m elev., on trunk of *Cryptomeria japonica*, 2012.12, coll. H.Harada no. 27836

(CBM-FL-100031). <53404007>, 千葉市花見川区, 19 m elev., on trunk of *Prunus* sp., 2019.05, coll. S.Tsurumaki no. 19051005 (CBM-FL-206120). <53404223>, 八街市, 40 m elev., on trunk of *Prunus* sp., 2016.10, coll. H.Izumi no. 1676 (CBM-FL-102834). <53404400>, 横芝光町, 7 m elev., on trunk of *Liquidambar formosana*, 2013.02, coll. H.Harada & R.Harada no. 28198 (CBM-FL-100176). <53404669>, 銚子市, 5 m elev., on trunk of *Pinus thunbergii*, 2002.04, coll. H.Harada no. 19937 (CBM-FL-14545). <53405043>, 白井市, 20 m elev., on trunk of *Prunus* sp., 2005.12, coll. H.Harada no. 23286 (CBM-FL-22626). <53405065>, 白井市, 15 m elev., on trunk of *Quercus acutissima*, 2007.02, coll. H.Harada no. 24383 (CBM-FL-23033) & 24385 (CBM-FL-23035). <53405066>, 白井市, 20 m elev., on trunk of *Quercus acutissima*, 2007.01, coll. H.Harada no. 24351 (CBM-FL-23001). <53405075>, 白井市, 20 m elev., on branch of *Quercus acutissima*, 2007.02, coll. H.Harada no. 24395 (CBM-FL-23045). <53405086>, 白井市, 20 m elev., on trunk of *Prunus* sp., 2005.11, coll. H.Harada no. 22837 (CBM-FL-22602). <53405104>, 印西市, 23 m elev., on trunk of *Prunus* × *yedoensis*, 2012.12, coll. H.Harada & R.Harada no. 27886 (CBM-FL-100085). <53405147>, 印西市, 29 m elev., on lignum, 2016.02, coll. H.Harada & T.Morita no. 31373 (CBM-FL-101982); on trunk of *Cerasus* sp., 2016.02, coll. H.Harada & T.Morita no. 31259 (CBM-FL-101973). <53405165>, 印西市, 27 m elev., on trunk of *Abies firma*, 2016.02, coll. H.Harada & T.Morita no. 31222 (CBM-FL-101948). <53405245>, 成田市, 20 m elev., on twig of *Cerasus* sp., 2021.03, coll. H.Harada no. 132718 (CBM-FL-103566); 34 m elev., on trunk of *Pinus densiflora*, 2021.03, coll. H.Harada no. 132735 (CBM-FL-103591). <53405476>, 香取市, 30 m elev., on trunk of *Prunus* × *yedoensis*, 2017.01, coll. H.Yoshikawa no. 1773 (CBM-FL-102339) & 1774 (CBM-FL-102340). <53405564>, 東庄町, 52 m elev., on trunk of *Prunus* sp., 2015.12, coll. A.Sakata et al. no. 3918 (CBM-FL-101735). <53405571>, 香取市, 41 m elev., on stone, 2015.12, coll. H.Yoshikawa et al. no. 1293 (CBM-FL-101693). <53405580>, 香取市, 25 m elev., on branch of *Prunus mume*, 2021.02, coll. A.Sakata no. 5889 (CBM-FL-206172) & 5866 (CBM-FL-103541). <53406472>, 香取市, 33 m elev., on trunk of *Prunus* × *yedoensis*, 2017.01, coll. H.Yoshikawa no. 1739 (CBM-FL-102311)

● *Parmotrema austrosinense* (Zahlbr.) Hale/ ナミガタウメノキゴケ

<52392791>, 南房総市, 20 m elev., on trunk of *Prunus* × *yedoensis*, 2015.12, coll. H.Yoshikawa et al. no. 1229 (CBM-FL-101640). <52392792>, 南房総市, 25 m elev., on branch of *Prunus* × *yedoensis*, 2015.12, coll. H.Yoshikawa et al. no. 1231 (CBM-FL-101641). <52392793>, 南房総市, 15 m elev., on trunk of *Celtis sinensis* var. *japonica*, 2015.12, coll. H.Izumi et al. no. 1500 (CBM-FL-101751). <52393606>, 館山市, 30 m elev., on granitic stone, 2015.12, coll. H.Yoshikawa, H.Izumi & H.Harada no. 1047 (CBM-FL-101139). <52393736>, 南房総市, 25 m elev., on trunk of *Prunus* × *yedoensis*, 2015.12, coll. H.Izumi et al. no. 1514 (CBM-FL-101765). <52393755>, 南房総市, 35 m elev., on trunk of *Pinus thunbergii*, 2015.12, coll. H.Yoshikawa et al. no. 1258 (CBM-FL-101664). <52393762>, 南房総市, 45 m elev., on branch of *Acer* sp., 2017.02, coll. H.Yoshikawa no. 1980 (CBM-FL-102499). <52393770>, 館山市, 19 m elev., on branches of a pine tree, 2017.04, coll. H.Yoshikawa et al. no. 2025 (CBM-FL-102610); on trunk of *Prunus* sp., 2017.04, coll. A.Sakata et al. no. 5041 (CBM-FL-102567). <52393781>, 館山市, 23 m elev., on trunk of *Prunus* × *yedoensis*, 2013.02, coll. T.Kawana no. 13022201 (CBM-FL-100469). <52394637>, 館山市, 24 m elev., on trunk of *Prunus* sp., 2015.12, coll. H.Yoshikawa, H.Izumi & H.Harada no. 1062 (CBM-FL-101154). <52394769>, 南房総市, 155 m elev., on branch of *Prunus* × *yedoensis*, 2016.12, coll. H.Yoshikawa no. 1673 (CBM-FL-102290). <52395619>, 南房総市, 50 m elev., on branch of *Abies firma*, 2015.12, coll. H.Yoshikawa et al. no. 1193 (CBM-FL-101509); 95 m elev., on branches of deciduous hardwood, 2015.12, coll. H.Harada et al. no. 31028 (CBM-FL-101389). <52395649>, 鋸南町, 23 m elev., on trunk of *Zelkova serrata*, 2013.04, coll. T.Kawana no. 13041601 (CBM-FL-100456). <52395723>, 南房総市, 67 m elev., on branch of *Cryptomeria japonica*, 2015.12, coll. H.Yoshikawa et al. no. 1222 (CBM-FL-101534); on trunk of *Ilex integra*, 2015.12, coll. A.Sakata et al. no. 3870 (CBM-FL-101477); 100 m elev., on branch of *Prunus mume*, 2015.12, coll. A.Sakata et al. no. 3834 (CBM-FL-101451); 170 m elev.,

on branch of *Quercus serrata*, 2015.12, coll. H.Yoshikawa et al. no. 1203 (CBM-FL-101517); 275 m elev., 2015.12, coll. H.Harada et al. no. 31050 (CBM-FL-101408). <千葉メッシュ 6732/ 52395762>, 鋸南町, 170 m elev., on wood board, 1999.07, coll. T.Kawana no. 99070301 (CBM-FL-12379). <52395770>, 鋸南町, 60 m elev., on bark of *Prunus mume*, 1996.08, coll. T.Kawana no. 96080407 (CBM-FL-9079); on branches of *Prunus mume*, 2020.03, coll. A.Sakata & H.Harada no. 5714 (CBM-FL-205776). <52395773>, 富津市, 180 m elev., on trunk of *Alnus japonica*, 2002.01, coll. T.Kawana no. 2011710 (CBM-FL-13864). <52396713>, 富津市, 100 m elev., on trunk of *Osmanthus heterophyllus*, 1995.12, coll. T.Kawana no. 95121412 (CBM-FL-8364); on trunk of *Prunus* × *yedoensis*, 1995.12, coll. T.Kawana no. 95121414 (CBM-FL-8365). <千葉メッシュ 6186/ 52396716>, 富津市, 70 m elev., on trunk of *Prunus* × *yedoensis*, 1997.10, coll. T.Kawana no. 97100404 (CBM-FL-10762). <52396773>, 富津市, 60 m elev., on trunk of *Zelkova serrata*, 2000.05, coll. T.Kawana no. 51314 (CBM-FL-14289). <52396784>, 富津市, 200 m elev., on trunk of *Prunus* sp., 2000.05, coll. T.Kawana no. 51304 (CBM-FL-14282). <52397619>, 富津市, 20 m elev., on trunk of *Ilex crenata*, 1999.05, coll. T.Kawana no. 99050505 (CBM-FL-12268). <52397629>, 富津市, 21 m elev., on trunk of *Alnus japonica*, 2013.03, coll. T.Kawana no. 13030202 (CBM-FL-100479). <52397711>, 富津市, 20 m elev., on tombstone, 1997.05, coll. T.Kawana no. 97052406a (CBM-FL-9020). <52397729>, 君津市, 40 m elev., on trunk of *Prunus* sp., 2012.11, coll. T.Kawana no. 19111917 (CBM-FL-35331). <52397739>, 君津市, 40 m elev., on trunk of *Prunus* × *yedoensis*, 2000.07, coll. T.Kawana no. 70408 (CBM-FL-13170). <千葉メッシュ 5569/ 52397739>, 君津市, 70 m elev., on trunk of *Prunus mume*, 1999.04, coll. T.Kawana no. 99042403 (CBM-FL-12254). <52397741>, 富津市, 30 m elev., on trunk of *Prunus* sp., 1997.03, coll. T.Kawana no. 97030401 (CBM-FL-8976). <52397744>, 君津市, 50 m elev., on trunk of *Prunus* × *yedoensis*, 1998.08, coll. T.Kawana no. 98080701 (CBM-FL-11956). <52404072>, 南房総市, 26 m elev., on trunk of *Prunus* × *yedoensis*, 2016.12, coll. H.Yoshikawa no. 1698 (CBM-FL-102309). <52405017>, 鴨川市, 99 m elev., on trunk of *Morella rubra*, 2016.02, coll. A.Sakata et al. no. 4050 (CBM-FL-201766); on trunk of *Prunus* sp., 2016.02, coll. H.Harada et al. no. 31206 (CBM-FL-101862). <52405020>, 鴨川市, 215 m elev., on trunk of *Cryptomeria japonica*, 2016.02, coll. A.Sakata et al. no. 4056 (CBM-FL-101913); H.Harada et al. no. 31211 (CBM-FL-101866). <千葉メッシュ 6842/ 52405052>, 鴨川市, 40 m elev., on stone-walls, 1999.12, coll. T.Kawana no. 99120201 (CBM-FL-12553). <52405195>, 鴨川市, 80 m elev., on twigs of *Rhododendron* sp., 2017.01, coll. H.Harada et al. no. 31831 (CBM-FL-102222). <52406000>, 君津市, 170 m elev., on bark of *Castanopsis cuspidata*, 1993.08, coll. A.Matsushita no. 656 (CBM-FL-4172). <52406028>, 君津市, 275 m elev., on twig of *Abies firma*, 2014.03, coll. H.Yoshikawa no. 709 (CBM-FL-37483). <52406029>, 鴨川市, 315 m elev., on twigs of evergreen hardwood, 2013.12, coll. A.Sakata no. 2291 (CBM-FL-36844). <52406035>, 君津市, 185 m elev., on trunk of *Prunus* sp., 2016.02, coll. A.Sakata et al. no. 4012 (CBM-FL-101877); on trunk of *Quercus serrata*, 2016.02, coll. H.Harada et al. no. 31174 (CBM-FL-101843). <52406036>, 君津市, 125 m elev., on trunk of *Prunus* sp., 2016.02, coll. H.Harada et al. no. 31194 (CBM-FL-101852). <52406038>, 君津市, 220 m elev., on trunk of *Thuja orientalis*, 2012.01, coll. H.Yoshikawa no. 29 (CBM-FL-33246); 268 m elev., on branch of *Prunus* sp., on forested ridge, 2016.03, coll. A.Sakata no. 4181 (CBM-FL-202274); 275 m elev., on branch of *Prunus* sp., 2016.03, coll. H.Yoshikawa no. 1421 (CBM-FL-202345). <52406041>, 君津市, 100 m elev., on trunk of *Prunus mume*, 2002.02, coll. T.Kawana no. 2022629 (CBM-FL-14394). <52406050>, 君津市, 140 m elev., on trunk of *Prunus* × *yedoensis*, 2000.02, coll. T.Kawana no. 20409 (CBM-FL-12695). <52406066>, 君津市, 88 m elev., on branch of *Prunus* sp., 2014.10, coll. H.Izumi no. 1040 (CBM-FL-100790). <52406077>, 君津市, 89 m elev., on twigs of *Rhododendron* sp., 2014.10, coll. H.Izumi no. 1019 (CBM-FL-100769). <52406131>, 君津市, 200 m elev., on twigs of *Abies firma*, 2015.12, coll. H.Yoshikawa no. 1087 (CBM-FL-201397). <52406229>, 御宿町, 16 m elev., on branch of *Prunus* × *yedoensis*, 2017.01, coll. H.Yoshikawa et al. no. 1911 (CBM-FL-102478). <52406238>, 御宿町, 45 m elev., on twigs of cherry tree, 2017.01, coll. H.Izumi et al. no. 1809 (CBM-FL-102457). <52406248>, 御宿町, 35 m elev., on branches of *Rhododendron* sp., 2017.01, coll. H.Yoshikawa no. 1817 (CBM-FL-102367). <52406251>, 勝浦市, 84 m elev., on trunk of *Acer* sp.,

2021.04, coll. A.Sakata & H.Harada no. 5993 (CBM-FL-103617). <52406270>, 大多喜町, 59 m elev., on branch of *Prunus* sp., 2021.04, coll. A.Sakata & H.Harada no. 6036g (CBM-FL-103510). <52407102>, 市原市, 100 m elev., on trunk of *Prunus* sp., 1991.07, coll. M.Ishibashi no. 29 (CBM-FL-3426). <52407141>, 市原市, 70 m elev., on trunk of *Zelkova serrata*, 1992.12, coll. H.Harada no. 13345 (CBM-FL-3728). <52407149>, 大多喜町, 72 m elev., on trunk of *Prunus mume*, 2015.12, coll. H.Izumi & H.Harada no. 1482 (CBM-FL-101571). <52407160>, 市原市, 65 m elev., on trunk of *Acer palmatum*, 2015.12, coll. H.Yoshikawa et al. no. 1156 (CBM-FL-101318); 71 m elev., on trunk of *Quercus glauca*, 2015.12, coll. A.Sakata et al. no. 3762 (CBM-FL-101242); 80 m elev., on branch of *Prunus mume*, 2015.12, coll. H.Yoshikawa et al. no. 1131 (CBM-FL-101295). <52407255>, いすみ市, 15 m elev., on trunk of *Castanea crenata*, 2015.08, coll. A.Sakata no. 3579 (CBM-FL-101003). <52407256>, いすみ市, 15 m elev., on branches of *Lagerstroemia indica*, 2012.12, coll. H.Harada no. 27864 (CBM-FL-100055); on trunk of *Celtis sinensis*, 2012.12, coll. H.Harada no. 27867 (CBM-FL-100058). <52407273>, いすみ市, 35 m elev., on twigs of *Ilex integra*, 2016.06, coll. H.Harada et al. no. 31597 (CBM-FL-102036). <52407372>, いすみ市, 7 m elev., on trunk of *Machilus thunbergii*, 2015.12, coll. H.Izumi & H.Harada no. 1461 (CBM-FL-101551). <53394796>, 市川市, 5 m elev., on trunk of *Prunus* sp., 2014.11, coll. A.Sakata no. 2599 (CBM-FL-101041). <53395734>, 松戸市, 24 m elev., on trunk of *Lithocarpus edulis*, 2013.04, coll. A.Sakata no. 1772 (CBM-FL-100592). <53395737>, 松戸市, 25 m elev., on trunk of *Prunus* sp., 2017.03, coll. A.Sakata no. 4998 (CBM-FL-102584); 26 m elev., on trunk of *Prunus* sp., 2017.03, coll. A.Sakata no. 4991 (CBM-FL-102577). <53395755>, 松戸市, 24 m elev., on trunk of *Prunus* sp., 2013.03, coll. A.Sakata no. 1602 (CBM-FL-100353). <53395756>, 松戸市, 22 m elev., on trunk of *Zelkova serrata*, 2013.03, coll. A.Sakata no. 1582 (CBM-FL-100330). <53395766>, 松戸市, 29 m elev., on trunk of *Zelkova serrata*, 2013.12, coll. A.Sakata no. 2362d (CBM-FL-100717). <53395773>, 松戸市, 12 m elev., on trunk of *Benthamidia florida*, 2013.04, coll. A.Sakata no. 1796 (CBM-FL-100616). <53395782>, 松戸市, 3 m elev., on trunk of *Zelkova serrata*, 2013.03, coll. A.Sakata no. 1633 (CBM-FL-100386). <53395783>, 松戸市, 3 m elev., on trunk of *Liquidambar styraciflua*, 2013.05, coll. A.Sakata no. 1824a (CBM-FL-100651); 9 m elev., on trunk of *Benthamidia florida*, 2013.04, coll. A.Sakata no. 1800 (CBM-FL-100620); 12 m elev., on trunk of *Benthamidia florida*, 2013.04, coll. A.Sakata no. 1788 (CBM-FL-100608). <53395784>, 松戸市, 25 m elev., on trunk of *Liquidambar formosana*, by road, 2013.01, coll. A.Sakata no. 1365 (CBM-FL-100149). <53395792>, 松戸市, 3 m elev., on trunk of *Liquidambar styraciflua*, 2013.05, coll. A.Sakata no. 1830a (CBM-FL-100672); on trunk of *Zelkova serrata*, 2014.01, coll. A.Sakata no. 2564 (CBM-FL-101081); 3.5 m elev., on trunk of *Zelkova serrata*, 2017.02, coll. A.Sakata no. 4944 (CBM-FL-102508). <53395793>, 松戸市, 4 m elev., on trunk of *Prunus* sp., 2015.10, coll. A.Sakata no. 3596 (CBM-FL-101076). <53396702>, 流山市, 4 m elev., on trunk of *Prunus* sp., 2014.11, coll. A.Sakata no. 2585a (CBM-FL-101053). <53396714>, 松戸市, 8 m elev., on trunk of *Zelkova serrata*, 2013.04, coll. A.Sakata no. 1710 (CBM-FL-100526); 15 m elev., on trunk of *Prunus armeniaca*, 2013.04, coll. A.Sakata no. 1725 (CBM-FL-100542). <53397676>, 野田市, 14 m elev., on trunk of *Zelkova serrata*, 2016.06, coll. A.Sakata no. 4359 (CBM-FL-102160). <53400040>, 袖ヶ浦市, 50 m elev., on rock, at forest margin on ridge, 1996.03, coll. H.Harada no. 15951 (CBM-FL-6935). <53400042>, 袖ヶ浦市, 40 m elev., on twigs of *Rhododendron dilatatum*, 1996.05, coll. H.Harada no. 16198 (CBM-FL-7232). <53400137>, 長南町, 60 m elev., on trunk of *Chamaecyparis pisifera*, 2000.03, coll. T.Kawana no. 30530 (CBM-FL-12844). <53400149>, 長南町, 30 m elev., on granitic monument, 2021.09, coll. H.Harada no. 34007 (CBM-FL-103623). <53400155>, 市原市, 101 m elev., on bough of *Prunus × yedoensis*, 2015.10, coll. H.Yoshikawa no. 1019 (CBM-FL-101093). <53400159>, 長南町, 30 m elev., on trunk of *Cerasus* sp., 2021.09, coll. H.Harada no. 34017 (CBM-FL-103625). <53400201>, 睦沢町, 87 m elev., on branch of cherry tree, 2016.06, coll. H.Izumi et al. no. 1627 (CBM-FL-102136); 95 m elev., on trunk of cherry tree, 2016.06, coll. H.Harada et al. no. 31622 (CBM-FL-102051). <千葉メッシュ 5173/ 53400223>, 睦沢町, 55 m elev., on trunk of *Cryptomeria japonica*, in forest, 1990.12, coll. H.Takamiya no. 90400 (CBM-FL-2657). <53400229>, 一宮町, 12 m elev., on trunk of *Prunus mume*, 2015.12, coll. H.Izumi & H.Harada no. 1446 (CBM-FL-101536);

26 m elev., on branch of *Prunus mume*, 2021.01, coll. A.Sakata no. 5831 (CBM-FL-206150) & 5842 (CBM-FL-103529). <千葉メッシュ 5155/ 53400245>, 睦沢町, 40 m elev., on twigs of *Rhododendron* sp., at forest margin, 1991.08, coll. H.Takamiya no. 91056 (CBM-FL-2675). <53400248>, 一宮町, 13 m elev., on branch or turnk of tree, 2020.12, coll. A.Sakata no. 5819b (CBM-FL-103505). <53400250>, 長南町, 30 m elev., on twigs of *Rhododendron* sp., 2021.09, coll. H.Harada no. 34024 (CBM-FL-103629). <53400272>, 茂原市, 19 m elev., on trunk of *Prunus* sp., 2019.03, coll. H.Izumi no. 2230 (CBM-FL-103265). <53400275>, 茂原市, 3 m elev., on trunk of *Prunus* sp., in park along Ichinomiya River, 2019.03, coll. H.Izumi no. 2261 (CBM-FL-103287). <53400279>, 長生村, 3.6 m elev., on branches of *Prunus × yedoensis*, 2016.12, coll. H.Yoshikawa & H.Izumi no. 1670 (CBM-FL-102415). <53400281>, 長南町, 28 m elev., on branch of *Cryptomeria japonica*, 2021.02, coll. A.Sakata no. 5844 (CBM-FL-103531). <53400282>, 長南町, 44 m elev., on twigs of *Cryptomeria japonica*, 2021.02, coll. A.Sakata no. 5860-4. (CBM-FL-206167). <53400291>, 茂原市, 26 m elev., on trunk of *Cryptomeria japonica*, 2019.04, coll. H.Izumi no. 2349 (CBM-FL-103337). <53400301>, 一宮町, 5 m elev., on bark of *Pinus thunbergii*, 1988.11, coll. H.Harada no. 9170 (CBM-FL-237). <53400321>, 一宮町, 2 m elev., on bark of *Pinus thunbergii*, 1991.02, coll. H.Harada no. 11615A (CBM-FL-1310). <53401058>, 市原市, 15 m elev., on wooden boardwalk, 2013.01, coll. H.Yoshikawa no. 267 (CBM-FL-100220). <53401099>, 市原市, 31 m elev., on b ranch of *Quercus acutissima*, 2013.11, coll. H.Yoshikawa no. 542 (CBM-FL-100938). <53401166>, 長柄町, 81 m elev., on branch of *Prunus mume*, 2013.04, coll. H.Yoshikawa no. 455 (CBM-FL-100877). <53401171>, 市原市, 50 m elev., on trunk of deciduous hardwood, 2013.03, coll. H.Yoshikawa no. 370 (CBM-FL-100250). <53401207>, 長生村, 6 m elev., on trunk of *Prunus* sp., 2013.02, coll. H.Izumi no. 54 (CBM-FL-102678). <53401212>, 茂原市, 25 m elev., on branch of *Prunus mume*, 2020.12, coll. A.Sakata no. 5741 (CBM-FL-205980). <53401213>, 茂原市, 16 m elev., on trunk of *Prunus* sp., 2018.06, coll. H.Izumi no. 2157 (CBM-FL-103158). <53401220>, 茂原市, 26 m elev., on trunk of *Cryptomeria japonica*, 2019.11, coll. H.Izumi no. 2498 (CBM-FL-103489). <53401222>, 茂原市, 14 m elev., on trunk of *Machilus thunbergii*, 2019.11, coll. H.Izumi no. 2482 (CBM-FL-103478). <53401228>, 白子町, 4.8 m elev., on trunk of cherry tree, 2016.12, coll. H.Izumi & H.Yoshikawa no. 1736 (CBM-FL-102432). <53401241>, 茂原市, 31 m elev., on twig of *Rhododendron indicum*, 2018.11, coll. H.Izumi no. 2192 (CBM-FL-103241). <53401251>, 茂原市, 59 m elev., on branch of *Prunus* sp., 2019.08, coll. H.Izumi no. 2477 (CBM-FL-103466). <53401252>, 茂原市, 14 m elev., on branch of *Quercus glauca*, 2020.12, coll. A.Sakata no. 5812b (CBM-FL-103508); 29 m elev., on trunk of *Prunus* sp., 2018.11, coll. H.Izumi no. 2207 (CBM-FL-103248). <53401259>, 白子町, 2.3 m elev., on trunk of cherry tree, 2016.12, coll. H.Izumi & H.Yoshikawa no. 1721 (CBM-FL-102419). <53401271>, 茂原市, 95 m elev., on branch of *Castanopsis sieboldii*, 2019.08, coll. H.Izumi no. 2421 (CBM-FL-103424). <53401272>, 茂原市, 39 m elev., on trunk of *Prunus* sp., 2019.08, coll. H.Izumi no. 2447 (CBM-FL-103442). <53401273>, 茂原市, 26 m elev., on trunk of *Prunus* sp., 2019.04, coll. H.Izumi no. 2312 (CBM-FL-103301). <53401292>, 茂原市, 23 m elev., on trunk of *Zelkova serrata*, 2019.04, coll. H.Izumi no. 2281 (CBM-FL-103315). <53402004>, 市原市, 2 m elev., on trunk of *Cercidiphyllum japonicum*, 2013.03, coll. H.Yoshikawa no. 394 (CBM-FL-100815). <53402039>, 市原市, 5 m elev., on trunk of *Cinnamomum camphora*, 2013.03, coll. H.Yoshikawa no. 379 (CBM-FL-100259). <53402124>, 市原市, 14 m elev., on branch of *Cryptomeria japonica*, 2013.01, coll. H.Yoshikawa no. 234 (CBM-FL-100190). <53402133>, 市原市, 8 m elev., on trunk of *Acer* sp., 2013.11, coll. H.Yoshikawa no. 554 (CBM-FL-100951); 11 m elev., on rock, 2013.03, coll. H.Yoshikawa no. 412 (CBM-FL-100833); on trunk of *Quercus myrsinaefolia*, 2013.03, coll. H.Yoshikawa no. 408 (CBM-FL-100829); 36 m elev., on trunk of *Celtis sinensis* var. *japonica*, 2013.04, coll. H.Yoshikawa no. 433 (CBM-FL-100855). <53402134>, 市原市, 30 m elev., on trunk of *Quercus acutissima*, 2012.12, coll. H.Yoshikawa no. 221 (CBM-FL-100107); 35 m elev., on trunk of a cherry tree (*Prunus* sp.), 2016.11, coll. R.Nakanishi no. 2 (CBM-FL-102214); 2016.12, coll. T.Kaneko no. 1 (CBM-FL-102211). <53402135>, 市原市, 30 m elev., on trunk of *Zelkova serrata*, 2016.11, coll. Y.Hasegawa no. 1 (CBM-FL-102213). <53402141>, 市原市, 7 m elev., on trunk of *Zelkova serrata*, 2013.04, coll. H.Yoshikawa no. 464

(CBM-FL-100885). <53402145>, 市原市, 47 m elev., on twig of *Rhododendron* sp., 2013.02, coll. H.Yoshikawa no. 345 (CBM-FL-100226). <53402153>, 千葉市緑区, 30 m elev., on trunk of deciduous hardwood, 2015.11, coll. S.Takano no. 4 (CBM-FL-101127); 31 m elev., on trunk of *Prunus mume*, 2015.11, coll. M.Hibino no. 1 (CBM-FL-101113). <53402154>, 千葉市緑区, 23 m elev., on trunk of deciduous hardwood, 2015.11, coll. M.Hibino no. 2 (CBM-FL-101115) & 4 (CBM-FL-101117). <53402164>, 千葉市緑区, 23 m elev., on trunk of *Acer palmatum* var. *matsumurae*, 2013.11, coll. H.Yoshikawa no. 541 (CBM-FL-100937); on trunk of *Styrax japonica*, 2013.11, coll. H.Yoshikawa no. 530 (CBM-FL-100926); 47 m elev., on trunk of deciduous hardwood, 2015.11, coll. K.Kawano no. 1 (CBM-FL-101112). <53402198>, 千葉市若葉区, 50 m elev., on trunk of a cherry tree, 1993.09, coll. H.Harada no. 13878 (CBM-FL-4518). <53402222>, 千葉市緑区, 90 m elev., on twigs of *Rhododendron* sp., beside a lawn, 1993.11, coll. H.Harada no. 14060 (CBM-FL-4747). <千葉メッシュ 4049/ 53402259>, 東金市, 7 m elev., on branch of *Podocarpus macrophyllus*, 1990.08, coll. H.Takamiya no. 90114 (CBM-FL-11011). <53402271>, 千葉市若葉区, 42 m elev., on trunk of *Zelkova serrata*, 2013.02, coll. H.Izumi no. 10 (CBM-FL-102659). <53402275>, 東金市, 20 m elev., on bark of *Prunus* sp., 1992.12, coll. A.Matsushita no. 539 (CBM-FL-3276). <53402276>, 東金市, 20 m elev., on bark of deciduous hardwood, 1992.12, coll. A.Matsushita no. 546 (CBM-FL-3283). <千葉メッシュ 4026/ 53402276>, 東金市, 30 m elev., on branch of *Pinus densiflora*, 1989.05, coll. H.Takamiya no. 89001 (CBM-FL-1004). <53402278>, 東金市, 50 m elev., on bark of *Prunus* sp., 1992.12, coll. A.Matsushita no. 519 (CBM-FL-3256). <53402291>, 千葉市若葉区, 35 m elev., on trunk of *Prunus* sp., 2013.04, coll. H.Izumi no. 188 (CBM-FL-102730); 45 m elev., on trunk of *Prunus* sp., 2013.04, coll. H.Izumi no. 220 (CBM-FL-102755); 57 m elev., on trunk of *Prunus* sp., 2013.02, coll. H.Izumi no. 26 (CBM-FL-102667). <53402292>, 八街市, 63 m elev., on branch of *Quercus myrsinaefolia*, 2013.04, coll. H.Izumi no. 262 (CBM-FL-102770). <53402294>, 八街市, 67 m elev., on trunk of *Prunus* sp., 2017.04, coll. H.Izumi no. 1867 (CBM-FL-102929) & 1869 (CBM-FL-102931). <53402295>, 千葉市緑区, 51 m elev., on branch of *Rhododendron* sp., 2017.04, coll. H.Izumi no. 1908 (CBM-FL-102953) & 1911 (CBM-FL-102956). <53402332>, 東金市, 5 m elev., on trunk of *Prunus* sp., 1992.12, coll. A.Matsushita no. 500 (CBM-FL-3237) & 505 (CBM-FL-3242). <53402340>, 東金市, 5 m elev., on bark of *Prunus mume*, in the garden of a house, 1993.02, coll. A.Matsushita no. 618 (CBM-FL-3353). <千葉メッシュ 4141/ 53402351>, 東金市, 5 m elev., on twigs of *Pinus thunbergii*, 1989.08, coll. H.Takamiya no. 89119 (CBM-FL-1036). <53403072>, 千葉市美浜区, 6 m elev., on trunk of *Melia azedarach* var. *japonica*, 2017.05, coll. S.Tsurumaki no. 17051002 (CBM-FL-206002). <53403074>, 千葉市美浜区, 3 m elev., on bark at trunk base of *Pinus thunbergii*, 2017.05, coll. S.Tsurumaki no. 17050801-a (CBM-FL-205992); 4 m elev., on trunk of *Pinus thunbergii*, 2017.05, coll. S.Tsurumaki no. 17050802-b (CBM-FL-205995); 5 m elev., on trunk of *Ligustrum japonicum*, 2017.12, coll. S.Tsurumaki no. 17123101 (CBM-FL-206020). <53403077>, 千葉市稲毛区, 9 m elev., on trunk of *Quercus myrsinaefolia*, 2017.03, coll. S.Tsurumaki no. 17031003 (CBM-FL-204225); 9 m elev., on trunk of *Quercus myrsinaefolia*, 2017.03, coll. S.Tsurumaki no. 17031004 (CBM-FL-204226). <53403083>, 千葉市花見川区, 3 m elev., on trunk of *Zelkova serrata*, 2018.04, coll. S.Tsurumaki no. 18041202 (CBM-FL-206032). <53403085>, 千葉市花見川区, 2 m elev., on trunk of *Ternstroemia gymnanthera*, 2017.05, coll. S.Tsurumaki no. 17052401 (CBM-FL-206004); 7 m elev., on trunk of *Prunus* sp., 2018.03, coll. S.Tsurumaki no. 18031701 (CBM-FL-206022). <53403095>, 千葉市花見川区, 5 m elev., on trunk of *Sapium sebiferum*, 2017.05, coll. S.Tsurumaki no. 17050805 (CBM-FL-206000); 6 m elev., on trunk of *Magnolia praecocissima*, 2016.08, coll. S.Tsurumaki no. 16082502 (CBM-FL-204180); 7 m elev., on trunk of *Cinnamomum camphora*, 2016.10, coll. S.Tsurumaki no. 16101003 (CBM-FL-204185); 8 m elev., on trunk of *Magnolia praecocissima*, 2016.09, coll. S.Tsurumaki no. 16090601 (CBM-FL-204182). <53403096>, 千葉市花見川区, 12 m elev., on trunk of *Magnolia praecocissima*, 2017.03, coll. S.Tsurumaki no. 17032701 (CBM-FL-204230); 14 m elev., on trunk of *Zelkova serrata*, 2017.03, coll. S.Tsurumaki no. 17030802 (CBM-FL-204221) & 17032103 (CBM-FL-204229); 15 m elev., on trunk of *Zelkova serrata*, 2016.12, coll. S.Tsurumaki no. 16120802 (CBM-FL-204192); 17 m elev., on trunk of

Magnolia praecocissima, 2016.06, coll. S.Tsurumaki no. 16061401 (CBM-FL-204174). <53403097>, 千葉市花見川区, 20 m elev., on trunk of *Prunus* sp., 2018.04, coll. S.Tsurumaki no. 18040401 (CBM-FL-206025); on trunk of *Zelkova serrata*, 2018.09, coll. S.Tsurumaki no. 18091402 (CBM-FL-206053). <53403098>, 千葉市稲毛区, 24 m elev., on trunk of *Zelkova serrata*, 2018.06, coll. S.Tsurumaki no. 18060701 (CBM-FL-206045). <53403106>, 千葉市若葉区, 37 m elev., on trunk of *Prunus* sp., 2018.01, coll. H.Izumi no. 2127 (CBM-FL-103109). <53403111>, 千葉市中央区, 23 m elev., on bough of *Quercus acutissima*, 2019.09, coll. A.Sakata & H.Harada no. 5645 (CBM-FL-103393); 24 m elev., on bough of *Quercus acutissima*, 2019.09, coll. A.Sakata & H.Harada no. 5671 (CBM-FL-103413); on branch of *Prunus* sp., 2019.09, coll. A.Sakata & H.Harada no. 5664 (CBM-FL-205640); on trunk of *Prunus* sp., 2019.09, coll. A.Sakata & H.Harada no. 5674 (CBM-FL-205642). <53403135>, 千葉市若葉区, 33 m elev., on trunk of *Zelkova serrata*, 2019.05, coll. H.Izumi no. 2377 (CBM-FL-103360). <53403179>, 佐倉市, 20 m elev., on trunk of *Prunus* sp., 2013.03, coll. H.Izumi no. 68 (CBM-FL-102691). <53403198>, 佐倉市, 14 m elev., on trunk of *Prunus* sp., 2013.03, coll. H.Izumi no. 63 (CBM-FL-102686). <53403203>, 八街市, 60 m elev., on trunk of *Salicaceae* sp., 2013.04, coll. H.Izumi no. 271 (CBM-FL-102774). <53403224>, 八街市, 55 m elev., on trunk of *Prunus* sp., 2017.06, coll. H.Izumi no. 1960 (CBM-FL-102975). <53403233>, 八街市, 62 m elev., on trunk of *Prunus* sp., 2013.02, coll. H.Izumi no. 41 (CBM-FL-102673). <53403240>, 千葉市若葉区, 46 m elev., on trunk of *Zelkova serrata*, 2013.03, coll. H.Izumi no. 174 (CBM-FL-102727). <53403241>, 八街市, 42 m elev., on branch of *Rhododendron* sp., 2013.04, coll. H.Izumi no. 285 (CBM-FL-102780). <53403242>, 八街市, 44 m elev., on trunk of ever green hardwood, 2017.09, coll. H.Izumi no. 2070 (CBM-FL-103039). <53403254>, 八街市, 46 m elev., on trunk of *Cornus officinalis*, 2017.11, coll. H.Izumi no. 2098 (CBM-FL-103050). <53403260>, 八街市, 21 m elev., on trunk of *Zelkova serrata*, 2016.12, coll. H.Izumi no. 1714 (CBM-FL-102866). <53403261>, 八街市, 15 m elev., on trunk of *Prunus* sp., 2016.12, coll. H.Izumi no. 1719 (CBM-FL-102870); 36 m elev., on trunk of *Lindera praecox*, 2013.04, coll. H.Izumi no. 315 (CBM-FL-102792); 38 m elev., on trunk of *Prunus* sp., 2017.06, coll. H.Izumi no. 2025 (CBM-FL-103016). <53403265>, 八街市, 46 m elev., on trunk of *Prunus* sp., 2016.06, coll. H.Izumi no. 1643 (CBM-FL-102807). <53403279>, 山武市, 40 m elev., on trunk of *Quercus serrata*, 2012.12, coll. H.Harada no. 27845 (CBM-FL-100037). <53403284>, 八街市, 46 m elev., on trunk of *Prunus* sp., 2017.01, coll. H.Izumi no. 1763 (CBM-FL-102879). <53403285>, 八街市, 45 m elev., on trunk of *Zelkova serrata*, 2017.03, coll. H.Izumi no. 1862 (CBM-FL-102926). <53403300>, 八街市, 43 m elev., on trunk of *Prunus* sp., 2016.07, coll. H.Izumi no. 1655 (CBM-FL-102819). <53403305>, 山武市, 6 m elev., on trunk of *Zelkova serrata*, 2012.12, coll. H.Harada no. 27830 (CBM-FL-100025). <53403397>, 横芝光町, 7 m elev., on trunk of *Zelkova serrata*, 2012.12, coll. H.Harada no. 27684 (CBM-FL-100007). <53404003>, 千葉市花見川区, 16 m elev., on trunk of *Zelkova serrata*, 2018.06, coll. S.Tsurumaki no. 18060302 (CBM-FL-206037); 17 m elev., on trunk of *Machilus thunbergii*, 2018.10, coll. S.Tsurumaki no. 18102201 (CBM-FL-206070). <53404007>, 千葉市花見川区, 9 m elev., on trunk of *Prunus* sp., 2016.08, coll. S.Tsurumaki no. 16081202 (CBM-FL-204177); 16 m elev., on trunk of *Prunus* sp., 2019.05, coll. S.Tsurumaki no. 19050805 (CBM-FL-206098) & 19050904 (CBM-FL-206105); on trunk of *Zelkova serrata*, 2019.05, coll. S.Tsurumaki no. 19053101 (CBM-FL-206134); 17 m elev., on trunk of *Quercus serrata*, 2019.06, coll. S.Tsurumaki no. 19060609 (CBM-FL-206148); on trunk of *Zelkova serrata*, 2019.05, coll. S.Tsurumaki no. 19052401 (CBM-FL-206125) & 19052404 (CBM-FL-206128); 19 m elev., on trunk of *Prunus* sp., 2019.05, coll. S.Tsurumaki no. 19050911 (CBM-FL-206112) & 19053103 (CBM-FL-206136); on trunk of *Quercus myrsinaefolia*, 2019.05, coll. S.Tsurumaki no. 19051003 (CBM-FL-206118); on trunk of *Zelkova serrata*, 2019.06, coll. S.Tsurumaki no. 19060605 (CBM-FL-206144). <53404019>, 千葉市花見川区, 25 m elev., on bark at trunk base of *Ligustrum lucidum*, 2017.03, coll. S.Tsurumaki no. 17030502 (CBM-FL-204219); on trunk of *Ligustrum lucidum*, 2017.03, coll. S.Tsurumaki no. 17030501 (CBM-FL-204218). <53404026>, 千葉市花見川区, 27 m elev., on bark at trunk base of *Prunus* sp., 2017.01, coll. S.Tsurumaki no. 17010602 (CBM-FL-204195). <53404027>, 千葉市花見川区, 27 m elev., on trunk of *Magnolia praecocissima*, 2017.05, coll. S.Tsurumaki no. 17050702

(CBM-FL-205990); on trunk of *Zelkova serrata*, 2017.04, coll. S. Tsurumaki no. 17042705 (CBM-FL-204235). <53404044>, 船橋市, 30 m elev., on trunk of *Prunus* sp., 2018.11, coll. A.Sakata & H.Harada no. 5640 (CBM-FL-103236). <53404054>, 船橋市, 29 m elev., on trunk of *Prunus* sp., 2018.11, coll. H.Harada & A.Sakata no. 32341 (CBM-FL-103189). <53404202>, 八街市, 38 m elev., on stone monument, 2017.03, coll. H.Izumi no. 1843 (CBM-FL-102909). <53404277>, 富里市, 39 m elev., on trunk of *Prunus* sp., in a park, 2012.11, coll. H.Harada & R.Harada no. 27682 (CBM-FL-100004). <53404400>, 横芝光町, 7 m elev., on trunk of *Zelkova serrata*, 2013.02, coll. H.Harada & R.Harada no. 28185 (CBM-FL-100163). <53404676>, 銚子市, 3.5 m elev., on trunk of *Zelkova serrata*, 2015.12, coll. H.Harada et al. no. 28036 (CBM-FL-101327); A.Sakata et al. no. 3808 (CBM-FL-101432). <53404677>, 銚子市, 18 m elev., on trunk of *Prunus* × *yedoensis*, 2015.12, coll. H.Yoshikawa et al. no. 1186 (CBM-FL-101502); 24 m elev., on trunk of *Prunus* × *yedoensis*, 2015.12, coll. H.Yoshikawa et al. no. 1184 (CBM-FL-101500). <53405044>, 白井市, 20 m elev., on trunk of *Pinus thunbergii*, 2006.03, coll. T.Morita no. 39 (CBM-FL-22932). <53405104>, 印西市, 23 m elev., on trunk of *Prunus* × *yedoensis*, 2012.12, coll. H.Harada & R.Harada no. 27878 (CBM-FL-100079). <53405147>, 印西市, 29 m elev., on trunk of *Cerasus* sp., 2016.02, coll. H.Harada & T.Morita no. 31361 (CBM-FL-101975) & 31385 (CBM-FL-101991). <53405165>, 印西市, 27 m elev., on branch of hardwood, 2016.02, coll. H.Harada & T.Morita no. 31239 (CBM-FL-101959). <53405245>, 成田市, 21 m elev., on branch of *Prunus mume*, 2021.03, coll. A.Sakata no. 5922b (CBM-FL-103585); 22 m elev., on branch of *Quercus acutissima*, 2021.02, coll. A.Sakata no. 5883e (CBM-FL-103588). <千葉メッシュ 1912/ 53405282>, 栄町, 20 m elev., on bark of *Podocarpus macrophylla*, 1989.09, coll. H.Hasegawa no. 8901 (CBM-FL-837). <53405397>, 多古町, 7 m elev., on trunk of *Zelkova serrata*, 2016.03, coll. A.Sakata no. 4213 (CBM-FL-102027). <53405476>, 香取市, 10 m elev., on branch of *Prunus* × *yedoensis*, 2017.01, coll. H.Yoshikawa no. 1767 (CBM-FL-102333). <53405533>, 東庄町, 14 m elev., on twigs of *Rhododendron* sp., 2015.12, coll. A.Sakata et al. no. 3897 (CBM-FL-101715). <53405534>, 東庄町, 40 m elev., on branches of *Prunus mume*, 2015.12, coll. H.Harada et al. no. 31126 (CBM-FL-101609); on trunk of *Celtis sinensis* var. *japonica*, 2015.12, coll. A.Sakata et al. no. 3878 (CBM-FL-101697); on trunk of *Prunus* sp., 2015.12, coll. A.Sakata et al. no. 3889 (CBM-FL-101707). <53405580>, 香取市, 45 m elev., on branch of *Prunus mume*, 2021.02, coll. A.Sakata et al. no. 5871a (CBM-FL-103556). <53406031>, 我孫子市, 3 m elev., on trunk of *Zelkova serrata*, 2013.05, coll. A.Sakata no. 1815 (CBM-FL-100638) & 1818 (CBM-FL-100641). <53406472>, 香取市, 40 m elev., on trunk of *Quercus acutissima*, 2017.01, coll. H.Yoshikawa no. 1749 (CBM-FL-102320). <54391612>, 野田市, 19 m elev., on trunk of *Prunus* sp., 2017.05, coll. A.Sakata no. 5055 (CBM-FL-102620)

● *Parmotrema crinitum* (Ach.) M.Choisy/ チヂレマツゲケ

<52393606>, 館山市, 30 m elev., on trunk of *Cinnamomum camphora*, 2015.12, coll. H.Izumi, H.Yoshikawa & H.Harada no. 1344 (CBM-FL-101185). <52393725>, 南房総市, 35 m elev., on trunk of *Cinnamomum camphora*, 2015.12, coll. H.Izumi et al. no. 1513 (CBM-FL-101764). <52393755>, 南房総市, 35 m elev., on trunk of *Pinus thunbergii*, 2015.12, coll. H.Yoshikawa et al. no. 1259 (CBM-FL-101665). <52393762>, 南房総市, 43 m elev., on trunk of *Acer* sp., 2017.04, coll. A.Sakata et al. no. 5005 (CBM-FL-102550); 45 m elev., on branch of *Cryptomeria japonica*, 2017.02, coll. H.Yoshikawa no. 1976 (CBM-FL-102497); 55 m elev., on rock, 2017.02, coll. H.Yoshikawa no. 1978 (CBM-FL-40800). <52393781>, 館山市, 20 m elev., on stone-walls, 2013.01, coll. T.Kawana no. 13010103 (CBM-FL-35456). <52395796>, 富津市, 130 m elev., on trunk of *Prunus mume*, 1997.12, coll. H.Harada no. 18653 (CBM-FL-10709); 135 m elev., on trunk of *Ginkgo biloba*, 2020.03, coll. A.Sakata & H.Harada no. 5722 (CBM-FL-41469). <52396703>, 富津市, 85 m elev., on trunk of *Cryptomeria japonica*, 2020.03, coll. A.Sakata & H.Harada no. 5709 (CBM-FL-205758); 100 m elev., on trunk of *Ginkgo biloba*, 2001.09, coll. H.Harada no. 19582 (CBM-FL-14006). <52396749>, 君津市, 180 m elev., on rocks, on mountain ridge, 2002.02, coll. H.Harada no. 19788 (CBM-FL-13917). <52404076>, 鴨川市, 27 m elev., on rock, 2017.01, coll. H.Yoshikawa no. 1835 (CBM-FL-40746). <52405010>,

鴨川市, 100 m elev., on rocks, 1996.05, coll. H.Harada no. 16240 (CBM-FL-7297). <52405195>, 鴨川市, 90 m elev., on trunk of *Quercus serrata*, 2017.01, coll. H.Harada et al. no. 31846 (CBM-FL-203439). <52406141>, 君津市, 170 m elev., on trunk of *Liriodendron tulipifera*, 2015.02, coll. A.Sakata no. 3400 (CBM-FL-200615). <52406227>, 御宿町, 10 m elev., on tombstones, 1994.09, coll. A.Matsuda no. 815 (CBM-FL-6414). <52406248>, 御宿町, 35 m elev., on stone railings, 2017.01, coll. H.Yoshikawa no. 1823 (CBM-FL-40740). <52406251>, 勝浦市, 80 m elev., on trunk of *Ginkgo biloba*, 2021.04, coll. A.Sakata & H.Harada no. 5990 (CBM-FL-206258); 84 m elev., on tombstone, 2021.04, coll. A.Sakata & H.Harada no. 6009 (CBM-FL-103620). <52407009>, 市原市, 260 m elev., on trunk of evergreen hardwood, 1991.06, coll. H.Harada no. 11852 (CBM-FL-3588). <52407372>, いすみ市, 7 m elev., on trunk of *Ilex integra*, 2015.12, coll. H.Harada & H.Izumi no. 30982 (CBM-FL-101353). <53400201>, 睦沢町, 87 m elev., on trunk of *Paulownia tomentosa*, 2016.06, coll. H.Yoshikawa et al. no. 1462 (CBM-FL-102083). <53400228>, 一宮町, 32 m elev., on branch of *Quercus acutissima*, 2017.01, coll. H.Yoshikawa no. 1797 (CBM-FL-40733). <53404669>, 銚子市, 5 m elev., on trunk of *Pinus thunbergii*, 2002.04, coll. H.Harada no. 19934 (CBM-FL-14542). <53405571>, 香取市, 41 m elev., on stone-works, 2015.12, coll. A.Sakata et al. no. 3925 (CBM-FL-101742)

● *Parmotrema tinctorum* (Nyl.) Hale/ ウメノキゴケ

<52392699>, 南房総市, 60 m elev., on trunk of *Abies firma*, 2000.02, coll. T.Kawana no. 22218 (CBM-FL-12787). <52392791>, 南房総市, 20 m elev., on bark at trunk base of *Castanopsis sieboldii*, 2015.12, coll. H.Yoshikawa et al. no. 1225 (CBM-FL-101636). <52392793>, 南房総市, 15 m elev., on stone lantern, 2015.12, coll. H.Yoshikawa et al. no. 1237 (CBM-FL-101644). <52393606>, 館山市, 20 m elev., on trunk of *Cinnamomum camphora*, 2015.12, coll. H.Izumi, H.Yoshikawa & H.Harada no. 1329 (CBM-FL-101170); 30 m elev., on granitic stone, 2015.12, coll. H.Yoshikawa, H.Izumi & H.Harada no. 1049 (CBM-FL-101141). <52393725>, 南房総市, 35 m elev., on stone pillar, 2015.12, coll. H.Yoshikawa et al. no. 1240 (CBM-FL-101647). <52393736>, 南房総市, 25 m elev., on trunk of *Prunus* × *yedoensis*, 2015.12, coll. H.Yoshikawa et al. no. 1249 (CBM-FL-101656). <千葉メッシュ 7543/ 52393753>, 南房総市, 50 m elev., on tombstone, 2000.02, coll. T.Kawana no. 20637 (CBM-FL-12733). <52393755>, 南房総市, 35 m elev., on stone-walls, 2015.12, coll. H.Yoshikawa et al. no. 1262 (CBM-FL-101668); on trunk of *Pinus thunbergii*, 2015.12, coll. H.Yoshikawa et al. no. 1256 (CBM-FL-101662). <52393762>, 南房総市, 37 m elev., on branch of *Abies firma*, 2017.04, coll. H.Yoshikawa et al. no. 2009 (CBM-FL-40826); 41 m elev., on branch of *Abies firma*, 2017.04, coll. H.Yoshikawa et al. no. 2005 (CBM-FL-203660); 45 m elev., on branch of *Acer* sp., 2017.02, coll. H.Yoshikawa no. 1965 (CBM-FL-203590). <52393770>, 館山市, 19 m elev., on trunk of a cherry tree, 2017.04, coll. H.Yoshikawa et al. no. 2018 (CBM-FL-203666); 20 m elev., on rocks, 2001.11, coll. T.Kawana no. 1112501 (CBM-FL-14208). <52393771>, 館山市, 30 m elev., on rocks, 2000.02, coll. T.Kawana no. 20612 (CBM-FL-12713). <52393775>, 南房総市, 30 m elev., on tombstone, 2000.02, coll. T.Kawana no. 21103 (CBM-FL-12746). <52393781>, 館山市, 20 m elev., on trunk of *Podocarpus macrophyllus*, 2013.01, coll. T.Kawana no. 13010108 (CBM-FL-35461) & 13010110 (CBM-FL-35462). <52394637>, 館山市, 24 m elev., on trunk of *Liriodendron tulipifera*, 2015.12, coll. H.Izumi, H.Yoshikawa & H.Harada no. 1351 (CBM-FL-101191); on trunk of *Prunus* sp., 2015.12, coll. H.Izumi, H.Yoshikawa & H.Harada no. 1355 (CBM-FL-101195). <千葉メッシュ 7155/ 52394645>, 南房総市, 50 m elev., on dead-standing tree trunk, 1995.07, coll. T.Kawana no. 95070701 (CBM-FL-8047). <52394649>, 南房総市, 40 m elev., on a stone lantern, 1998.07, coll. T.Kawana no. 98072726 (CBM-FL-11399). <52394759>, 南房総市, 20 m elev., on stone-walls, 2000.01, coll. T.Kawana no. 13008 (CBM-FL-12660). <52394769>, 南房総市, 155 m elev., on branch of *Prunus* × *yedoensis*, 2016.12, coll. H.Yoshikawa no. 1672 (CBM-FL-102289). <千葉メッシュ 7225/ 52394775>, 南房総市, 120 m elev., on trunk of *Machilus thunbergii*, 2000.01, coll. T.Kawana no. 12903 (CBM-FL-12639). <52394776>, 南房総市, 110 m elev., on trunk of *Prunus* sp., 2000.01, coll. T.Kawana no. 12129 (CBM-FL-12595). <52394786>, 南房総市, 80 m elev., on stone lantern, 2000.01, coll. T.Kawana no. 12922 (CBM-FL-12625). <52394799>, 南

房総市, 60 m elev., on trunk of *Cryptomeria japonica*, 2000.01, coll. T.Kawana no. 13022 (CBM-FL-12688). <52395619>, 南房総市, 50 m elev., on branch of *Cinnamomum camphora*, 2015.12, coll. H.Yoshikawa et al. no. 1190 (CBM-FL-101506); on branch of *Cryptomeria japonica*, 2015.12, coll. A.Sakata et al. no. 3820 (CBM-FL-101444); 95 m elev., on branches of deciduous hardwood, 2015.12, coll. H.Harada et al. no. 31030 (CBM-FL-101391). <52395636>, 鋸南町, 60 m elev., on rock cliff, 2000.06, coll. T.Kawana no. 60803 (CBM-FL-13100). <52395649>, 鋸南町, 23 m elev., on trunk of *Zelkova serrata*, 2013.04, coll. T.Kawana no. 13041603 (CBM-FL-100458). <52395659>, 鋸南町, 110 m elev., on tombstone, 2012.02, coll. T.Kawana no. 12021205b (CBM-FL-00498). <52395677>, 鋸南町, 14 m elev., on trunk of *Prunus × yedoensis*, 2013.01, coll. T.Kawana no. 13012501 (CBM-FL-100452). <52395678>, 鋸南町, 10 m elev., on trunk of *Prunus mume*, 1999.04, coll. T.Kawana no. 99040602 (CBM-FL-12120). <52395686>, 鋸南町, 100 m elev., on bark of deciduous hardwood, 1989.06, coll. H.Harada no. 9332 (CBM-FL-373) & 9334 (CBM-FL-375); 130 m elev., on rock, 2012.11, coll. T.Kawana no. 12112132 (CBM-FL-35352). <52395696>, 富津市, 20 m elev., on bark of deciduous hardwood, 1989.06, coll. H.Harada no. 9297 (CBM-FL-338). <52395723>, 南房総市, 67 m elev., on branch of *Cryptomeria japonica*, 2015.12, coll. H.Yoshikawa et al. no. 1223 (CBM-FL-101535); on trunk of *Cryptomeria japonica*, 2015.12, coll. A.Sakata et al. no. 3862 (CBM-FL-101469); 100 m elev., on branches of *Prunus mume*, 2015.12, coll. H.Harada et al. no. 31044 (CBM-FL-101403); H.Yoshikawa et al. no. 1200 (CBM-FL-101514); 170 m elev., on trunk of *Quercus serrata*, 2015.12, coll. A.Sakata et al. no. 3842 (CBM-FL-101459); 250 m elev., on branch of *Pittosporum tobira*, 2015.12, coll. H.Yoshikawa et al. no. 1208 (CBM-FL-101522); 328 m elev., on rock (N-facing), 2015.12, coll. H.Harada et al. no. 31058 (CBM-FL-101414); 330 m elev., on trunk of *Ligustrum obtusifolium*, 2015.12, coll. H.Harada et al. no. 31065 (CBM-FL-101417). <千葉メッシュ 6757/ 52395747>, 鴨川市, 100 m elev., on stone lantern, 1999.08, coll. T.Kawana no. 99081806 (CBM-FL-13408). <千葉メッシュ 6730/ 52395760>, 鋸南町, 80 m elev., on trunk of *Prunus* sp., 1996.01, coll. T.Kawana no. 96010104 (CBM-FL-8045) & 96010105 (CBM-FL-8044). <52395770>, 鋸南町, 60 m elev., on bark of *Prunus mume*, 1996.08, coll. T.Kawana no. 96080405 (CBM-FL-9066); on trunk of *Cryptomeria japonica*, 1996.01, coll. T.Kawana no. 96010102a (CBM-FL-9080). <52395772>, 鋸南町, 200 m elev., on stone lantern, 2000.08, coll. T.Kawana no. 81405 (CBM-FL-14090). <52395773>, 富津市, 180 m elev., on trunk of *Alnus japonica*, 2002.01, coll. T.Kawana no. 2011707 (CBM-FL-13861). <52395780>, 鋸南町, 75 m elev., on trunk of *Cryptomeria japonica*, 2012.03, coll. T.Kawana no. 12032621 (CBM-FL-100446). <千葉メッシュ 6713/ 52395783>, 富津市, 100 m elev., on trunk of *Zelkova serrata*, in forest, 1996.03, coll. T.Kawana no. 96031001 (CBM-FL-8046). <52395796>, 富津市, 130 m elev., on trunk of *Cryptomeria japonica*, by road, 1997.12, coll. H.Harada no. 18636 (CBM-FL-10692); 130 m elev., on trunk of *Diospyros kaki*, 1997.12, coll. H.Harada no. 18642 (CBM-FL-10698); 140 m elev., on trunk of *Prunus mume*, 2001.01, coll. H.Harada no. 19541 (CBM-FL-14000). <千葉メッシュ 6706/ 52395796>, 富津市, 130 m elev., on trunk of *Prunus* sp., 1998.02, coll. T.Kawana no. 98022801a (CBM-FL-11064). <52396629>, 富津市, 30 m elev., on stone-wall with soil and mosses, 1989.04, coll. H.Harada no. 9251 (CBM-FL-293). <52396703>, 富津市, 100 m elev., on trunk of conifer, 1996.02, coll. T.Kawana no. 96020301 (CBM-FL-8351). <千葉メッシュ 6194/ 52396704>, 富津市, 80 m elev., on bark of *Prunus mume*, 1995.12, coll. T.Kawana no. 95121303 (CBM-FL-8042); 80 m elev., on trunk of conifer, 1995.07, coll. T.Kawana no. 95071303 (CBM-FL-8043); 80 m elev., on trunk of *Cryptomeria japonica*, 1995.12, coll. T.Kawana no. 95121410 (CBM-FL-8048). <千葉メッシュ 6197/ 52396707>, 富津市, 100 m elev., on trunk of *Diospyros kaki*, 1999.02, coll. T.Kawana no. 99022802 (CBM-FL-12106). <52396708>, 富津市, 150 m elev., on branch of *Abies firma*, 1997.10, coll. H.Harada no. 18486 (CBM-FL-10401). <52396709>, 君津市, 250 m elev., on trunk of *Cephalotaxus harringtonia*, in forest on ridge, 1993.10, coll. A.Matsushita no. 732 (CBM-FL-4698). <52396713>, 富津市, 80 m elev., on tree trunk, 1995.12, coll. T.Kawana no. 95121422 (CBM-FL-8041); 80 m elev., on trunk of *Cryptomeria japonica*, in forest, 1995.12, coll. T.Kawana no. 95121506 (CBM-FL-8040); 100 m elev., on trunk of *Prunus mume*, 1995.12, coll. T.Kawana no. 95121413B (CBM-FL-8466). <千葉メッ

シュ 6157/ 52396747>, 富津市, 60 m elev., on trunk of *Diospyros kaki*, 1999.03, coll. T.Kawana no. 99032716 (CBM-FL-12190). <52396749>, 君津市, 100 m elev., on trunk of *Cryptomeria japonica*, in valley along road, 2002.02, coll. T.Kawana no. 2022313 (CBM-FL-14407); 富津市・君津市, 250 m elev., on trunk of deciduous hardwood, near top of ridge, 2002.01, coll. H.Harada no. 19644 (CBM-FL-13691). <52396751>, 富津市, 15 m elev., on tombstone, 1998.11, coll. T.Kawana no. 98111501 (CBM-FL-12058). <千葉メッシュ 6146/ 52396756>, 富津市, 40 m elev., on trunk of *Cryptomeria japonica*, 1997.03, coll. T.Kawana no. 97030910 (CBM-FL-8732). <千葉メッシュ 6147/ 52396757>, 富津市, 60 m elev., on trunk of *Prunus mume*, 1999.03, coll. T.Kawana no. 99032804 (CBM-FL-12198). <52396758>, 君津市・鴨川市, 250 m elev., on twigs of dead-standing *Prunus × yedoensis*, on mountain ridge, 2002.01, coll. T.Kawana no. 2010505 (CBM-FL-13680). <52396759>, 君津市, 80 m elev., on trunk of *Quercus serrata*, 2002.12, coll. T.Kawana no. 2120603 (CBM-FL-15150); 130 m elev., on trunk of *Prunus* sp., 2002.08, coll. T.Kawana no. 2081303 (CBM-FL-15224). <千葉メッシュ 6130/ 52396760>, 富津市, 20 m elev., on trunk of *Prunus × yedoensis*, 1997.03, coll. T.Kawana no. 97032005 (CBM-FL-8756). <52396763>, 富津市, 40 m elev., on stone lantern, 1997.06, coll. T.Kawana no. 97060126 (CBM-FL-9027). <千葉メッシュ 6139/ 52396769>, 君津市, 70 m elev., on trunk of *Cryptomeria japonica*, 2004.01, coll. T.Kawana no. 4012549 (CBM-FL-15690); on trunk of *Diospyros kaki*, 2004.01, coll. T.Kawana no. 4012543 (CBM-FL-15684). <52396773>, 富津市, 60 m elev., on trunk of *Cryptomeria japonica*, 2000.05, coll. T.Kawana no. 51313 (CBM-FL-14288). <52396780>, 富津市, 20 m elev., on tombstone, 1999.02, coll. T.Kawana no. 99022110 (CBM-FL-12092). <52396787>, 富津市, 130 m elev., on trunk of *Cryptomeria japonica*, 1997.06, coll. T.Kawana no. 97061510 (CBM-FL-9058). <52396795>, 富津市, 280 m elev., on trunk of *Prunus × yedoensis*, 2001.01, coll. T.Kawana no. 1010904 (CBM-FL-13467). <52397619>, 富津市, 20 m elev., on trunk of *Lagerstroemia indica*, 1999.05, coll. T.Kawana no. 99050501 (CBM-FL-12264). <52397689>, 富津市, 15 m elev., on stone-walls (andesite), 1996.09, coll. T.Kawana no. 96090629 (CBM-FL-8324). <52397711>, 富津市, 20 m elev., on tombstone, 1997.05, coll. T.Kawana no. 97052406c (CBM-FL-9086). <52397729>, 君津市, 40 m elev., on trunk of *Prunus* sp., 2012.11, coll. T.Kawana no. 19111920 (CBM-FL-35334). <52397741>, 富津市, 30 m elev., on trunk of *Prunus* sp., 1997.03, coll. T.Kawana no. 97030402 (CBM-FL-8977). <千葉メッシュ 5547/ 52397757>, 君津市, 30 m elev., on trunk of *Zelkova serrata*, 1999.07, coll. T.Kawana no. 99072704 (CBM-FL-14334). <52397762>, 君津市, 41 m elev., on tombstone, 2012.10, coll. T.Kawana no. 12102104 (CBM-FL-100481). <52397768>, 君津市, 20 m elev., on rocks, 1999.07, coll. T.Kawana no. 99073005 (CBM-FL-14326). <52397769>, 君津市, 60 m elev., on trunk of *Cryptomeria japonica*, 2012.12, coll. T.Kawana no. 12120238 (CBM-FL-35389). <52397782>, 君津市, 10 m elev., on tombstone, 2000.01, coll. T.Kawana no. 12707 (CBM-FL-12651). <52397784>, 君津市, 20 m elev., on stone-walls, 1999.08, coll. T.Kawana no. 99081509 (CBM-FL-13403). <52404040>, 南房総市, 60 m elev., on stone wall, 2016.12, coll. H.Yoshikawa no. 1690 (CBM-FL-102303). <52404072>, 南房総市, 26 m elev., on trunk of *Prunus × yedoensis*, 2016.12, coll. H.Yoshikawa no. 1693 (CBM-FL-203471). <52404076>, 鴨川市, 27 m elev., on rock, 2017.01, coll. H.Yoshikawa no. 1836 (CBM-FL-102377). <52405006>, 鴨川市, 40 m elev., on stone-walls, 2000.01, coll. T.Kawana no. 10901 (CBM-FL-12452); on trunk of *Zelkova serrata*, 2000.01, coll. T.Kawana no. 10805 (CBM-FL-12498). <52405017>, 鴨川市, 99 m elev., on trunk of *Prunus* sp., 2016.02, coll. A.Sakata et al. no. 4043 (CBM-FL-101903); H.Yoshikawa et al. no. 1321 (CBM-FL-101935) & 1325 (CBM-FL-101939). <52405020>, 鴨川市, 215 m elev., on trunk of *Cryptomeria japonica*, 2016.02, coll. H.Yoshikawa et al. no. 1328 (CBM-FL-101940). <52405045>, 鴨川市, 20 m elev., on trunk of *Ilex integra*, 1999.12, coll. T.Kawana no. 99121920 (CBM-FL-12514). <52405081>, 君津市, 340 m elev., on branch of *Castanopsis sieboldii*, 2017.01, coll. H.Yoshikawa no. 1841 (CBM-FL-102381). <千葉メッシュ 6811/ 52405081>, 君津市, 220 m elev., on trunk of *Quercus serrata*, 2002.12, coll. T.Kawana no. 2121902 (CBM-FL-15190). <52405181>, 鴨川市, 250 m elev., at bare root of *Castanopsis sieboldii*, 2015.03, coll. H.Izumi no. 1276 (CBM-FL-200744); on branch of ever-green hardwood, 2015.03, coll. H.Yoshikawa no. 963 (CBM-FL-200693). <52405189>, 勝浦市, 100 m

elev., on stone-walls, 2000.03, coll. T.Kawana no. 31203 (CBM-FL-12900). <52405190>, 鴨川市, 260 m elev., on branch of *Abies firma*, 2014.03, coll. H.Yoshikawa no. 700 (CBM-FL-37474); 260 m elev., on trunk of *Mallotus japonicus*, 2012.01, coll. H.Harada no. 27033 (CBM-FL-33030); 280 m elev., on trunk of *Cryptomeria japonica*, 2012.02, coll. H.Izumi no. 697 (CBM-FL-33747); on trunk of *Quercus salicina*, 2012.02, coll. H.Yoshikawa no. 111 (CBM-FL-33676). <52405191>, 鴨川市, 265 m elev., on twig of *Abies firma*, 2013.01, coll. H.Yoshikawa no. 292 (CBM-FL-35079); 275 m elev., on branch of *Abies firma*, 2013.01, coll. H.Izumi no. 791 (CBM-FL-35018); on branches of *Quercus acuta*, 2014.03, coll. H.Harada no. 28904 (CBM-FL-37388); 280 m elev., on branch of *Cryptomeria japonica*, 2014.01, coll. A.Sakata no. 2396 (CBM-FL-37150); H.Yoshikawa no. 631 (CBM-FL-37263); on trunk of *Quercus glauca*, 2012.01, coll. H.Yoshikawa no. 3 (CBM-FL-33221); on twigs of *Cryptomeria japonica*, 2014.01, coll. H.Izumi no. 921 (CBM-FL-37317) & 924 (CBM-FL-37320); 300 m elev., on trunk of *Ilex integra*, 2014.01, coll. H.Yoshikawa no. 661 (CBM-FL-37293); on trunk of *Quercus acuta*, 2014.01, coll. H.Izumi no. 945 (CBM-FL-37341); on twigs, 1988.06, coll. H.Harada no. 9056 (CBM-FL-120); 310 m elev., on twigs of *Torreya nucifera*, 2014.01, coll. H.Izumi no. 939 (CBM-FL-37335); 330 m elev., on bough of *Abies firma*, 2014.01, coll. H.Izumi no. 954 (CBM-FL-37350); 350 m elev., on branch of *Quercus acuta*, 2014.01, coll. H.Harada no. 28840 (CBM-FL-37090). <52405192>, 鴨川市, 360 m elev., on branch, around a forested peak, 2016.02, coll. A.Sakata no. 4086 (CBM-FL-202011); on stump, around a forested peak, 2016.02, coll. H.Yoshikawa no. 1335 (CBM-FL-202086). <52405194>, 鴨川市, 135 m elev., on trunk of deciduous hardwood, 2017.01, coll. A.Sakata et al. no. 4910 (CBM-FL-203455). <52405195>, 鴨川市, 80 m elev., on branches of *Rhododendron* sp., 2017.01, coll. H.Yoshikawa et al. no. 1700 (CBM-FL-103063); on trunk of *Abelia* sp., 2017.01, coll. H.Yoshikawa et al. no. 1713 (CBM-FL-103074); on twig of *Rhododendron* sp., 2017.01, coll. A.Sakata et al. no. 4897 (CBM-FL-102257). <52406000>, 君津市, 170 m elev., on bark of *Castanopsis cuspidata*, 1993.08, coll. A.Matsushita no. 663 (CBM-FL-4179). <52406018>, 君津市, 280 m elev., on branch of *Abies firma*, 2012.12, coll. H.Yoshikawa no. 146 (CBM-FL-34621); 290 m elev., on trunk of *Quercus glauca*, 2012.12, coll. H.Izumi no. 734 (CBM-FL-34707); 300 m elev., on branch of *Castanopsis sieboldii*, 2012.12, coll. H.Yoshikawa no. 143 (CBM-FL-34618). <52406019>, 君津市, 330 m elev., on rock, 2012.02, coll. H.Izumi no. 689 (CBM-FL-33739); on trunk of *Castanopsis sieboldii*, 2012.02, coll. H.Yoshikawa no. 97 (CBM-FL-33662). <52406027>, 君津市, 320 m elev., on branch of *Abies firma*, on forested ridge, 2014.12, coll. H.Yoshikawa no. 758 (CBM-FL-37861). <52406028>, 君津市, 170 m elev., on branch of *Cryptomeria japonica*, 2012.12, coll. H.Yoshikawa no. 197 (CBM-FL-34672); on twig of *Abies firma*, 2012.12, coll. H.Yoshikawa no. 196 (CBM-FL-34671); 200 m elev., on bark of deciduous hardwood, 2012.12, coll. H.Yoshikawa no. 183 (CBM-FL-34658); on branch of *Cryptomeria japonica*, 2012.12, coll. A.Sakata no. 1285 (CBM-FL-34565); H.Yoshikawa no. 171 (CBM-FL-34646); 220 m elev., on branch of *Cryptomeria japonica*, 2012.12, coll. H.Izumi no. 756 (CBM-FL-34728); 260 m elev., on branch of *Abies firma*, 2011.02, coll. A.Sakata no. 302 (CBM-FL-30440); H.Izumi no. 531 (CBM-FL-30489) & 536 (CBM-FL-30494); 280 m elev., on branch of *Abies firma*, 2012.12, coll. H.Izumi no. 737 (CBM-FL-34710); H.Yoshikawa no. 155 (CBM-FL-34630) & 165 (CBM-FL-34640); on twig, 2012.12, coll. H.Izumi no. 740 (CBM-FL-34713); 300 m elev., on branch of *Abies firma*, on forested ridge, 2014.12, coll. H.Yoshikawa no. 762 (CBM-FL-37865). <52406029>, 鴨川市, 315 m elev., on trunk of *Cinnamomum japonicum*, 2013.12, coll. H.Yoshikawa no. 567 (CBM-FL-36900); 君津市, 300 m elev., on trunk of hardwood, 2013.12, coll. H.Izumi no. 868 (CBM-FL-36965); 君津市・鴨川市, 310 m elev., on trunk of *Quercus glauca*, 2012.12, coll. H.Harada no. 27807 (CBM-FL-34495). <52406031>, 君津市, 140 m elev., on trunk of *Prunus × yedoensis*, 2002.02, coll. T.Kawana no. 2022608 (CBM-FL-14373). <52406035>, 君津市, 130 m elev., on trunk of *Prunus* sp., 2016.02, coll. H.Harada et al. no. 31192 (CBM-FL-101850); 185 m elev., on trunk of *Prunus* sp., 2016.02, coll. A.Sakata et al. no. 4010 (CBM-FL-101875); on trunk of *Quercus serrata*, 2016.02, coll. A.Sakata et al. no. 4003 (CBM-FL-101868). <52406037>, 君津市, 260 m elev., on trunk of *Quercus acuta*, on forested ridge, 2016.03, coll. H.Izumi no. 1545 (CBM-FL-202371). <52406038>, 君津市, 145 m elev., on trunk of deciduous

scrubs, 2012.02, coll. H.Harada no. 27180 (CBM-FL-33418); 160 m elev., on bark of conifer, 2014.03, coll. H.Yoshikawa no. 721 (CBM-FL-37495); 220 m elev., on branches of tree, 2017.03, coll. H.Harada no. 31910 (CBM-FL-203634); on trunk of *Chamaecyparis obtusa*, 2012.01, coll. H.Yoshikawa no. 21 (CBM-FL-33239); 268 m elev., on branch of *Prunus* sp., on forested ridge, 2016.03, coll. A.Sakata no. 4180 (CBM-FL-202273); 275 m elev., on trunk of *Castanopsis sieboldii*, 2016.03, coll. H.Yoshikawa no. 1407 (CBM-FL-202331); 290 m elev., on trunk of *Quercus salicina*, 2016.03, coll. H.Yoshikawa no. 1402 (CBM-FL-202326); on trunk of *Zelkova serrata*, 2016.03, coll. H.Yoshikawa no. 1400 (CBM-FL-202324). <52406039>, 君津市, 270 m elev., on twigs of *Cryptomeria japonica*, 2013.12, coll. H.Izumi no. 913 (CBM-FL-37010); 280 m elev., on trunk of *Abies firma*, 2013.12, coll. H.Izumi no. 875 (CBM-FL-36972); on trunk of *Abies firma*, 2013.12, coll. H.Yoshikawa no. 607 (CBM-FL-36940); on trunk of *Castanopsis sieboldii*, 2013.12, coll. H.Harada no. 28759 (CBM-FL-36805); on trunk of *Quercus salicina*, 2013.12, coll. H.Izumi no. 872 (CBM-FL-36969); on twigs of *Abies firma*, 2013.12, coll. A.Sakata no. 2299 (CBM-FL-36851); 300 m elev., on trunk of *Quercus acuta*, 2013.12, coll. H.Harada no. 28748 (CBM-FL-36794); on twigs of *Cinnamomum japonicum*, 2013.12, coll. H.Izumi no. 890 (CBM-FL-36987). <52406040>, 君津市, 180 m elev., on trunk of *Mallotus japonicus*, 2003.06, coll. T.Kawana no. 3060320 (CBM-FL-15116). <52406041>, 君津市, 100 m elev., on trunk of *Prunus mume*, 2002.11, coll. T.Kawana no. 2112903 (CBM-FL-15133). <52406047>, 君津市, 250 m elev., on branches of *Abies firma*, 2016.03, coll. H.Yoshikawa no. 1378 (CBM-FL-202302). <52406050>, 君津市, 140 m elev., on trunk of *Prunus × yedoensis*, 2000.02, coll. T.Kawana no. 20408 (CBM-FL-12694). <52406051>, 君津市, 120 m elev., on trunk of *Prunus mume*, 2002.02, coll. T.Kawana no. 2022310 (CBM-FL-14405). <52406052>, 君津市, 130 m elev., on trunk of *Cryptomeria japonica*, 2018.11, coll. H.Izumi no. 2225 (CBM-FL-103259). <52406061>, 君津市, 70 m elev., on trunk of *Quercus acutissima*, 2003.02, coll. T.Kawana no. 3020438 (CBM-FL-15239); 89 m elev., on trunk of *Prunus × yedoensis*, 2018.05, coll. K.Ozaki no. 18051801 (CBM-FL-103147). <52406066>, 君津市, 88 m elev., on trunk of *Prunus* sp., 2014.10, coll. H.Izumi no. 1049 (CBM-FL-100799); 95 m elev., on trunk of *Cryptomeria japonica*, 2014.10, coll. H.Izumi no. 1032 (CBM-FL-100782). <千葉メッシュ 6221/ 52406071>, 富津市, 80 m elev., on tombstone, 2003.01, coll. T.Kawana no. 3012101 (CBM-FL-15043). <52406077>, 君津市, 89 m elev., on trunk of *Diospyros kaki*, 2014.10, coll. H.Izumi no. 1021 (CBM-FL-100771). <52406101>, 鴨川市, 230 m elev., on branch of *Cryptomeria japonica*, 2013.01, coll. H.Yoshikawa no. 338 (CBM-FL-35282); 250 m elev., on branch of *Pinus parviflora*, 2019.02, coll. M.Suzuki no. 190222-01 (CBM-FL-205481); 260 m elev., on bark, 2017.03, coll. E.Kato no. 17033104 (CBM-FL-102591); 265 m elev., on trunk of *Zelkova serrata*, 2013.01, coll. H.Yoshikawa no. 277 (CBM-FL-35064); 290 m elev., on branch of *Abies firma*, 2013.01, coll. H.Yoshikawa no. 286 (CBM-FL-35073); 320 m elev., on trunk of *Eurya japonica*, 2013.01, coll. H.Harada no. 28167 (CBM-FL-35162); on trunk of *Quercus glauca*, 2013.01, coll. H.Yoshikawa no. 321 (CBM-FL-35265). <52406102>, 鴨川市, 330 m elev., on branch of *Cryptomeria japonica*, 2013.01, coll. H.Yoshikawa no. 307 (CBM-FL-35251); on trunk of *Quercus acuta*, on forested ridge, 2016.02, coll. A.Sakata no. 4087 (CBM-FL-202012). <52406103>, 鴨川市, 280 m elev., on rock, along a forestry road, 2016.02, coll. A.Sakata no. 4121 (CBM-FL-202045); on trunk of *Quercus sessilifolia*, 2011.02, coll. H.Izumi no. 502 (CBM-FL-30458). <52406104>, 鴨川市, 235 m elev., on trunk of *Quercus acuta*, 2017.01, coll. H.Harada et al. no. 31875 (CBM-FL-102248). <52406112>, 君津市, 300 m elev., on trunk of deciduous hardwood, 2015.01, coll. H.Yoshikawa no. 866 (CBM-FL-200371); on trunk of *Quercus acuta*, 2015.01, coll. H.Izumi no. 1181 (CBM-FL-200337); 305 m elev., on trunk of *Abies firma*, 2015.01, coll. H.Izumi no. 1191 (CBM-FL-200347); 320 m elev., on trunk of *Quercus acuta*, 2015.01, coll. H.Harada no. 29705 (CBM-FL-200162). <52406121>, 君津市, 260 m elev., on trunk of *Quercus acuta*, 2015.01, coll. H.Yoshikawa no. 901 (CBM-FL-200404). <52406122>, 君津市, 340 m elev., on branch of deciduous hardwood, 2015.01, coll. H.Yoshikawa no. 843 (CBM-FL-200208). <52406131>, 君津市, 170 m elev., on dead-standing trunk of *Pinus thunbergii*, 2015.12, coll. A.Sakata no. 3730 (CBM-FL-201364); 190 m elev., on trunk of *Cerasus*, 2015.12, coll. H.Izumi no. 1362 (CBM-FL-201445); 200 m elev., on branch of *Prunus* sp., 2015.12, coll. H.Yoshikawa no.

1108 (CBM-FL-201418); on trunk of *Castanopsis sieboldii*, 2015.12, coll. A.Sakata no. 3712 (CBM-FL-201346); on twig of *Abies firma*, 2015.12, coll. H.Yoshikawa no. 1085 (CBM-FL-201395); 220 m elev., at bare root of *Castanopsis sieboldii*, 2015.12, coll. H.Izumi no. 1377 (CBM-FL-201460). <52406141>, 君津市, 125 m elev., on twigs of *Abies firma*, 2015.03, coll. H.Yoshikawa no. 1005 (CBM-FL-200734) & 1007 (CBM-FL-200736); 130 m elev., on branch of *Cryptomeria japonica*, 2015.03, coll. H.Yoshikawa no. 1004 (CBM-FL-200733); 170 m elev., on trunk of *Liriodendron tulipifera*, 2015.02, coll. A.Sakata no. 3404 (CBM-FL-200619); 200 m elev., on branch of deciduous hardwood, 2014.12, coll. H.Yoshikawa no. 822 (CBM-FL-38068); 210 m elev., on trunk of *Cryptomeria japonica*, 2015.02, coll. H.Izumi no. 1240 (CBM-FL-200558); 220 m elev., on branch of deciduous hardwood, 2015.02, coll. H.Yoshikawa no. 906 (CBM-FL-200480); 230 m elev., on branch of deciduous hardwood, 2015.02, coll. H.Yoshikawa no. 931 (CBM-FL-200505); on branches of *Quercus salicina*, 2014.12, coll. H.Yoshikawa no. 782 (CBM-FL-38028); on trunk of *Quercus acuta*, 2015.02, coll. H.Harada no. 30550 (CBM-FL-200454); 280 m elev., on branch of *Abies firma*, 2014.12, coll. H.Izumi no. 1111 (CBM-FL-32768). <52406176>, 大多喜町, 120 m elev., on trunk of *Prunus* sp., 2000.03, coll. T.Kawana no. 32008 (CBM-FL-12988). <千葉メッシュ 6303/ 52406193>, 大多喜町, 150 m elev., on tombstone, 2000.03, coll. T.Kawana no. 31824 (CBM-FL-12962). <52406227>, 御宿町, 10 m elev., on dead-standing tree trunk, 1994.09, coll. A.Matsuda no. 796 (CBM-FL-6396); on tombstones, 1994.09, coll. A.Matsuda no. 826 (CBM-FL-6425). <52406229>, 御宿町, 11 m elev., on trunk of *Zelkova serrata*, 2017.01, coll. H.Yoshikawa et al. no. 1938 (CBM-FL-203542); 16 m elev., on stone work, 2017.01, coll. H.Yoshikawa et al. no. 1909 (CBM-FL-102476); 18 m elev., on trunk of *Zelkova serrata*, 2017.01, coll. H.Yoshikawa no. 1808 (CBM-FL-102359); 47 m elev., on branch of cherry tree, 2017.01, coll. H.Izumi et al. no. 1794 (CBM-FL-102449); on branch of *Ginkgo biloba*, 2017.01, coll. H.Yoshikawa et al. no. 1915 (CBM-FL-102479) & 1921 (CBM-FL-203533). <52406238>, 御宿町, 45 m elev., on branch of *Prunus × yedoensis*, 2017.01, coll. H.Yoshikawa et al. no. 1927 (CBM-FL-40774). <52406248>, 御宿町, 30 m elev., on branch of *Amygdalus persica*, 2017.01, coll. H.Yoshikawa et al. no. 1881-b (CBM-FL-103090); on branch of *Prunus mume*, 2017.01, coll. H.Izumi et al. no. 1779 (CBM-FL-203503); 35 m elev., on branch of *Cryptomeria japonica*, 2017.01, coll. H.Yoshikawa no. 1822 (CBM-FL-40739). <52406251>, 勝浦市, 80 m elev., on branch of *Cryptomeria japonica*, 2021.04, coll. A.Sakata & H.Harada no. 5986 (CBM-FL-206256); on trunk of *Cryptomeria japonica*, 2021.04, coll. A.Sakata & H.Harada no. 5979 (CBM-FL-206252) & 5985 (CBM-FL-206255). <52406270>, 大多喜町, 59 m elev., on branch of *Prunus* sp., 2021.04, coll. A.Sakata & H.Harada no. 6036b (CBM-FL-103573). <52407000>, 君津市, 67 m elev., on trunk of *Prunus* sp., 2012.11, coll. T.Kawana no. 12111911 (CBM-FL-35325); 70 m elev., on trunk of *Prunus* sp., 2012.11, coll. T.Kawana no. 12111902 (CBM-FL-35316). <52407003>, 君津市, 75 m elev., on rock, 2012.12, coll. T.Kawana no. 12122822 (CBM-FL-35424); on twigs of *Rhododendron indicum*, 2012.12, coll. T.Kawana no. 12122825 (CBM-FL-35427). <52407042>, 君津市, 237 m elev., on trunk of *Prunus* sp., 2012.12, coll. T.Kawana no. 12122802 (CBM-FL-35407). <52407069>, 市原市, 85 m elev., on trunk of *Alnus japonica*, 2015.12, coll. H.Izumi et al. no. 1433 (CBM-FL-101281); H.Yoshikawa et al. no. 1147 (CBM-FL-101310). <52407070>, 君津市, 70 m elev., on rock, 2012.11, coll. T.Kawana no. 19111927 (CBM-FL-35341); on trunk of *Prunus* sp., 2012.11, coll. T.Kawana no. 19111930-1 (CBM-FL-35345) & 19111930-2 (CBM-FL-35346). <52407073>, 君津市, 95 m elev., on trunk of *Cryptomeria japonica*, 2012.12, coll. T.Kawana no. 12120222 (CBM-FL-35376). <52407102>, 市原市, 120 m elev., on bark of *Cryptomeria japonica*, 1989.04, coll. H.Harada no. 9206 (CBM-FL-258); on bark of deciduous hardwood, 1989.04, coll. H.Harada no. 9187 (CBM-FL-239). <52407105>, 大多喜町, 91 m elev., on bow of *Cinnamomum japonica*, 2009.12, coll. H.Harada no. 26147 (CBM-FL-24597). <52407121>, 市原市, 80 m elev., on trunk of conifer, *Cryptomeria japonica*, 1991.07, coll. M.Ishibashi no. 39 (CBM-FL-3436); on trunk of *Cryptomeria japonica*, 1991.07, coll. H.Harada no. 11893 (CBM-FL-3631). <52407130>, 市原市, 100 m elev., on trunk of *Prunus mume*, 1991.06, coll. H.Harada no. 11876 (CBM-FL-3613). <52407141>, 市原市, 70 m elev., on trunk of *Zelkova serrata*, 1992.12, coll. H.Harada no. 13346 (CBM-FL-3729). <千葉メッシュ 5754/

52407144>, 市原市, 200 m elev., on trunk of *Ginkgo biloba*, in a schoolyard, 1992.10, coll. M.Amano no. 9201 (CBM-FL-3198). <52407149>, 大多喜町, 72 m elev., on trunk of *Prunus × yedoensis*, 2015.12, coll. H.Harada & H.Izumi no. 31018 (CBM-FL-101381); H.Izumi & H.Harada no. 1476 (CBM-FL-101565). <52407160>, 市原市, 65 m elev., on trunk of *Prunus × yedoensis*, 2015.12, coll. H.Harada et al. no. 28007 (CBM-FL-101221); H.Izumi et al. no. 1438 (CBM-FL-101286); 71 m elev., on trunk of *Quercus glauca*, 2015.12, coll. H.Izumi et al. no. 1430 (CBM-FL-101279); 80 m elev., on trunk of *Prunus × yedoensis*, 2015.12, coll. H.Yoshikawa et al. no. 1129 (CBM-FL-101293). <52407255>, いすみ市, 15 m elev., on trunk & branch of *Prunus mume*, 2015.08, coll. A.Sakata no. 3594 (CBM-FL-101019); on trunk of *Castanea crenata*, 2015.08, coll. H.Yoshikawa no. 1011 (CBM-FL-40011). <52407256>, いすみ市, 15 m elev., on branches of *Lagerstroemia indica*, 2012.12, coll. H.Harada no. 27865 (CBM-FL-100056); on trunk of *Celtis sinensis*, 2012.12, coll. H.Harada no. 27866 (CBM-FL-100057); 24 m elev., on trunk of *Prunus* sp., 2018.01, coll. H.Izumi no. 2117 (CBM-FL-103101) & 2119 (CBM-FL-103103). <52407273>, いすみ市, 35 m elev., on stone lantern, 2016.06, coll. H.Izumi et al. no. 1602 (CBM-FL-102108); on trunk of *Cryptomeria japonica*, 2016.06, coll. H.Yoshikawa et al. no. 1456 (CBM-FL-102078). <千葉メッシュ 5812/ 52407282>, 睦沢町, 70 m elev., on trunk of dead-standing *Pinus densiflora*, at forest margin, 1991.10, coll. H.Takamiya no. 91113 (CBM-FL-2691). <52407372>, いすみ市, 7 m elev., on branch of *Ilex integra*, 2016.12, coll. H.Yoshikawa et al. no. 1650 (CBM-FL-102397); on trunk of *Ilex integra*, 2015.12, coll. H.Harada & H.Izumi no. 30981 (CBM-FL-101352); on twigs of *Prunus × yedoensis*, 2015.12, coll. H.Izumi & H.Harada no. 1455 (CBM-FL-101545). <53395756>, 松戸市, 25 m elev., on trunk of *Zelkova serrata*, 2013.03, coll. A.Sakata no. 1576 (CBM-FL-100326). <53395794>, 松戸市, 23 m elev., on trunk of *Prunus* sp., 2017.03, coll. A.Sakata no. 4965 (CBM-FL-102524). <53397702>, 野田市, 20 m elev., on trunk of *Prunus* sp., 2016.01, coll. A.Sakata & H.Harada no. 3956 (CBM-FL-101798). <53397703>, 流山市, 12 m elev., on trunk of *Quercus acutissima*, 2016.01, coll. A.Sakata & H.Harada no. 3993 (CBM-FL-101827). <53400021>, 袖ヶ浦市, 60 m elev., on bark of *Pinus thunbergii*, 1995.12, coll. H.Harada no. 15878 (CBM-FL-6472); on bark of *Quercus serrata*, 1995.12, coll. H.Harada no. 15883 (CBM-FL-6476). <千葉メッシュ 4952/ 53400042>, 袖ヶ浦市, 40 m elev., on trunk of *Cryptomeria japonica*, 1996.09, coll. T.Kawana no. 96092112 (CBM-FL-8027). <53400149>, 長南町, 30 m elev., on trunk of *Ilex integra*, 2021.09, coll. A.Sakata no. 6054 (CBM-FL-206346). <53400155>, 市原市, 101 m elev., on bough of *Prunus × yedoensis*, 2015.10, coll. H.Yoshikawa no. 1018 (CBM-FL-101092). <53400159>, 長南町, 30 m elev., on trunk of *Cerasus* sp., 2021.09, coll. H.Harada no. 34016 (CBM-FL-103624); on trunk of *Prunus* sp., 2021.09, coll. A.Sakata no. 6086 (CBM-FL-103644). <53400171>, 市原市, 50 m elev., on trunk of *Prunus × yedoensis*, 2017.02, coll. H.Yoshikawa no. 1951 (CBM-FL-203583). <千葉メッシュ 5025/ 53400175>, 長柄町, 50 m elev., on trunk of *Diospyros kaki*, 2000.02, coll. T.Kawana no. 22702 (CBM-FL-12803). <53400176>, 長南町, 40 m elev., on trunk of *Cinnamomum camphora*, 2000.03, coll. T.Kawana no. 30504 (CBM-FL-12822). <53400201>, 睦沢町, 87 m elev., on branch of cherry tree, 2016.06, coll. H.Yoshikawa et al. no. 1476 (CBM-FL-202705) & 1489 (CBM-FL-40227); on trunk of *Paulownia tomentosa*, 2016.06, coll. H.Yoshikawa et al. no. 1464 (CBM-FL-102085); 95 m elev., on trunk of cherry tree, 2016.06, coll. H.Harada et al. no. 31625 (CBM-FL-102054) / : <53400205>, いすみ市, 79 m elev., on stone lantern, 2017.12, coll. H.Izumi no. 2111 (CBM-FL-103058). <千葉メッシュ 5173/ 53400223>, 睦沢町, 55 m elev., on trunk of *Cryptomeria japonica*, in forest, 1990.12, coll. H.Takamiya no. 90403 (CBM-FL-2660). <53400228>, 一宮町, 32 m elev., on branch of *Quercus acutissima*, 2017.01, coll. H.Yoshikawa no. 1795 (CBM-FL-102356). <53400229>, 一宮町, 12 m elev., on trunk of *Prunus × yedoensis*, 2015.12, coll. H.Harada & H.Izumi no. 28050 (CBM-FL-101339); 26 m elev., on bark, 2021.01, coll. A.Sakata no. 5838 (CBM-FL-103527); on trunk of *Prunus mume*, 2021.01, coll. A.Sakata no. 5821 (CBM-FL-103515) & 5823 (CBM-FL-206309). <千葉メッシュ 5155/ 53400245>, 睦沢町, 50 m elev., on trunk of *Cryptomeria japonica*, by road, 1991.08, coll. H.Takamiya no. 91053 (CBM-FL-2672). <53400248>, 一宮町, 13 m elev., on branch or turnk of tree, 2020.12, coll. A.Sakata no. 5819a (CBM-FL-103504); 20 m elev., on stone monument, 2020.12, coll.

A.Sakata no. 5820 (CBM-FL-41522). <53400250>, 長南町, 30 m elev., on stone lantern, 2021.09, coll. A.Sakata no. 6089 (CBM-FL-206360). <53400272>, 茂原市, 19 m elev., on trunk of *Prunus* sp., 2019.03, coll. H.Izumi no. 2227 (CBM-FL-103262). <53400274>, 茂原市, 13 m elev., on trunk of *Cryptomeria japonica*, 2019.03, coll. H.Izumi no. 2248 (CBM-FL-103277). <53400275>, 茂原市, 3 m elev., on trunk of *Prunus* sp., in park along Ichinomiya River, 2019.03, coll. H.Izumi no. 2263 (CBM-FL-103289). <53400279>, 長生村, 3.6 m elev., on stump, 2016.12, coll. H.Yoshikawa & H.Izumi no. 1669 (CBM-FL-102414). <53400281>, 長南町, 28 m elev., on branch of *Pinus thunbergii*, 2021.02, coll. A.Sakata no. 5848 (CBM-FL-103533) & 5853 (CBM-FL-103536) & 5862 (CBM-FL-103564). <53400282>, 長南町, 44 m elev., on branch of *Cryptomeria japonica*, 2021.02, coll. A.Sakata no. 5860-6 (CBM-FL-206168); on trunk of *Prunus mume*, 2021.02, coll. A.Sakata no. 5858e (CBM-FL-103551); on twigs of *Cryptomeria japonica*, 2021.02, coll. A.Sakata no. 5860-3 (CBM-FL-206166). <53400291>, 茂原市, 26 m elev., on trunk of *Cryptomeria japonica*, 2019.04, coll. H.Izumi no. 2348 (CBM-FL-103336). <53400301>, 一宮町, 5 m elev., on bark of *Pinus thunbergii*, 1988.11, coll. H.Harada no. 9169 (CBM-FL-236). <53401054>, 市原市, 26 m elev., on trunk of *Cryptomeria japonica*, 2013.03, coll. A.Higashi no. 7 (CBM-FL-100435). <53401058>, 市原市, 15 m elev., on wooden boardwalk, 2013.01, coll. H.Yoshikawa no. 264 (CBM-FL-100217). <53401099>, 市原市, 31 m elev., on trunk of *Quercus acutissima*, 2013.11, coll. H.Yoshikawa no. 544 (CBM-FL-100940). <53401166>, 長柄町, 81 m elev., on twig of *Rhododendron* sp., 2013.04, coll. H.Yoshikawa no. 456 (CBM-FL-100878). <53401171>, 市原市, 50 m elev., on trunk of deciduous hardwood, 2013.03, coll. H.Yoshikawa no. 369 (CBM-FL-100249). <53401179>, 長柄町, 70 m elev., on trunk of *Prunus*, 2012.06, coll. K.Mituhashi no. 1 (CBM-FL-100177). <53401207>, 長生村, 6 m elev., on trunk of *Prunus* sp., 2013.02, coll. H.Izumi no. 53 (CBM-FL-204336) & 55 (CBM-FL-102679). <53401212>, 茂原市, 25 m elev., on branch of *Prunus mume*, 2020.12, coll. A.Sakata no. 5740 (CBM-FL-205979); 28 m elev., on trunk of *Prunus* sp., 2019.04, coll. H.Izumi no. 2354 (CBM-FL-103341). <53401213>, 茂原市, 16 m elev., on trunk of *Prunus* sp., 2018.06, coll. H.Izumi no. 2155 (CBM-FL-103156). <53401220>, 茂原市, 26 m elev., on trunk of *Cryptomeria japonica*, 2019.11, coll. H.Izumi no. 2499 (CBM-FL-103490). <53401222>, 茂原市, 14 m elev., on trunk of *Machilus thunbergii*, 2019.11, coll. H.Izumi no. 2481 (CBM-FL-103477). <53401228>, 白子町, 4.8 m elev., on trunk of cherry tree, 2016.12, coll. H.Izumi & H.Yoshikawa no. 1735 (CBM-FL-102431). <53401241>, 茂原市, 31 m elev., on twig of *Rhododendron indicum*, 2018.11, coll. H.Izumi no. 2191 (CBM-FL-103240) & 2193 (CBM-FL-205236). <53401251>, 茂原市, 59 m elev., on trunk of *Castanopsis sieboldii*, 2019.08, coll. H.Izumi no. 2467 (CBM-FL-103459). <53401252>, 茂原市, 14 m elev., on trunk of *Prunus mume*, 2020.12, coll. A.Sakata no. 5813b (CBM-FL-103507); 24 m elev., on trunk of *Prunus* sp., 2019.08, coll. H.Izumi no. 2462 (CBM-FL-103455); 29 m elev., on trunk of *Prunus* sp., 2018.11, coll. H.Izumi no. 2208 (CBM-FL-103249). <53401259>, 白子町, 2.3 m elev., on trunk of cherry tree, 2016.12, coll. H.Izumi & H.Yoshikawa no. 1725 (CBM-FL-102421). <53401262>, 茂原市, 36 m elev., on trunk of *Prunus* sp., 2019.08, coll. H.Izumi no. 2461 (CBM-FL-103454). <53401263>, 茂原市, 24 m elev., on trunk of *Pinus*, 2019.08, coll. H.Izumi no. 2453 (CBM-FL-103447). <53401271>, 茂原市, 95 m elev., on branch of *Castanopsis sieboldii*, 2019.08, coll. H.Izumi no. 2413 (CBM-FL-103418). <53401272>, 茂原市, 39 m elev., on trunk of *Cryptomeria japonica*, 2019.08, coll. H.Izumi no. 2446 (CBM-FL-103441). <53401273>, 茂原市, 26 m elev., on trunk of *Prunus* sp., 2019.04, coll. H.Izumi no. 2315 (CBM-FL-103303). <53401276>, 茂原市, 8 m elev., on trunk of *Cryptomeria japonica*, 2019.06, coll. H.Izumi no. 2381 (CBM-FL-103365). <53401281>, 茂原市, 97 m elev., on trunk of *Prunus* sp., 2019.08, coll. H.Izumi no. 2423 (CBM-FL-103426); 107 m elev., on trunk of *Cryptomeria japonica*, 2019.08, coll. H.Izumi no. 2438 (CBM-FL-103436). <53401292>, 茂原市, 23 m elev., on trunk of *Cercidiphyllum japonicum*, 2019.04, coll. H.Izumi no. 2305 (CBM-FL-103325). <53401370>, 茂原市, 2 m elev., on trunk of *Cryptomeria japonica*, 2019.06, coll. H.Izumi no. 2391 (CBM-FL-103374). <53402004>, 市原市, 2 m elev., on trunk of *Cercidiphyllum japonicum*, 2013.03, coll. H.Yoshikawa no. 393 (CBM-FL-100814). <53402039>, 市原市, 5 m elev., on trunk of *Prunus* sp., 2013.03, coll. H.Yoshikawa no. 387 (CBM-FL-100267). <53402124>, 市原市, 14 m elev., on trunk of dead tree (*Quercus acutissima*), 2013.01, coll. H.Yoshikawa no. 235 (CBM-FL-100191). <53402133>, 市原市, 8 m elev., on trunk of *Acer* sp., 2013.11, coll. H.Yoshikawa no. 555 (CBM-FL-100952); 11 m elev., on trunk of *Cercidiphyllum japonicum*, 2013.03, coll. H.Yoshikawa no. 411 (CBM-FL-100832); 36 m elev., on trunk of *Celtis sinensis* var. *japonica*, 2013.04, coll. H.Yoshikawa no. 430 (CBM-FL-100852). <53402134>, 市原市, 30 m elev., on trunk of *Quercus acutissima*, 2012.12, coll. H.Yoshikawa no. 222 (CBM-FL-100108). <53402141>, 市原市, 7 m elev., on trunk of *Zelkova serrata*, 2013.04, coll. H.Yoshikawa no. 463 (CBM-FL-100884). <53402145>, 市原市, 45 m elev., on trunk of *Prunus* × *yedoensis* with mosses, 2013.01, coll. H.Yoshikawa no. 256 (CBM-FL-100209). <53402153>, 千葉市緑区, 31 m elev., on trunk of *Prunus mume*, 2015.11, coll. M.Hibino no. 1b (CBM-FL-101114). <53402154>, 千葉市緑区, 23 m elev., on trunk of deciduous hardwood, 2015.11, coll. M.Hibino no. 4b (CBM-FL-101118); 30 m elev., on trunk of deciduous hardwood, 2015.11, coll. M.Hibino no. 6 (CBM-FL-101120). <53402164>, 千葉市緑区, 23 m elev., on trunk of *Swida controversa*, 2013.11, coll. H.Yoshikawa no. 526 (CBM-FL-100922). <53402185>, 千葉市緑区, 30 m elev., on bark of *Cryptomeria japonica*, 1988.04, coll. H.Harada no. 9052 (CBM-FL-117). <53402198>, 千葉市若葉区, 50 m elev., on trunk of a cherry tree, 1993.09, coll. H.Harada no. 13876 (CBM-FL-4516). <53402212>, 千葉市緑区, 80 m elev., on trunk of *Cryptomeria japonica*, in forest on slope, 1993.11, coll. H.Harada no. 14086 (CBM-FL-4773). <千葉メッシュ 4079/ 53402229>, 東金市, 7 m elev., on trunk of *Pinus densiflora*, 1989.06, coll. H.Takamiya no. 89030 (CBM-FL-1009). <千葉メッシュ 4058/ 53402248>, 東金市, 9 m elev., on trunk of dead-standing hardwood, 1989.06, coll. H.Takamiya no. 89034 (CBM-FL-1010). <千葉メッシュ 4049/ 53402259>, 東金市, 7 m elev., on trunk of *Podocarpus macrophyllus*, 1990.08, coll. H.Takamiya no. 90115 (CBM-FL-1102). <53402271>, 千葉市若葉区, 42 m elev., on trunk of *Prunus* sp., 2013.02, coll. H.Izumi no. 20 (CBM-FL-204318) & 21 (CBM-FL-102663). <53402275>, 東金市, 20 m elev., on trunk of *Cryptomeria japonica*, 1991.02, coll. H.Harada no. 11620 (CBM-FL-2519) & 11627 (CBM-FL-2526) & 11630 (CBM-FL-2529); on trunk of deciduous hardwood, 1992.12, coll. A.Matsushita no. 528 (CBM-FL-3265); on trunk of *Prunus* sp., 1991.02, coll. H.Harada no. 11619 (CBM-FL-2518). <53402276>, 東金市, 20 m elev., on trunk of conifer, *Cryptomeria japonica*, 1992.12, coll. A.Matsushita no. 541 (CBM-FL-3278); on trunk of *Pinus thunbergii*, 1992.12, coll. A.Matsushita no. 553 (CBM-FL-3290). <千葉メッシュ 4026/ 53402276>, 東金市, 50 m elev., on trunk of *Pinus densiflora*, 1989.05, coll. H.Takamiya no. 89011 (CBM-FL-1008). <53402278>, 東金市, 15 m elev., on trunk of *Ginkgo biloba*, 1990.07, coll. H.Takamiya no. 90016 (CBM-FL-1077); 50 m elev., on bark of *Prunus* sp., 1992.12, coll. A.Matsushita no. 522 (CBM-FL-3259); on trunk of *Ginkgo biloba*, 1992.12, coll. A.Matsushita no. 513 (CBM-FL-3250); on trunk of *Prunus* sp., 1991.02, coll. H.Harada no. 11634 (CBM-FL-2533). <千葉メッシュ 4017/ 53402287>, 東金市, 35 m elev., on branch of *Prunus* sp., 1990.08, coll. H.Takamiya no. 90122 (CBM-FL-1103). <53402291>, 千葉市若葉区, 35 m elev., on trunk of *Prunus* sp., 2013.04, coll. H.Izumi no. 192 (CBM-FL-102734); 45 m elev., on trunk of *Acer amoenum*, 2013.04, coll. H.Izumi no. 223 (CBM-FL-102758); on trunk of *Magnolia praecocissima*, 2013.04, coll. H.Izumi no. 202 (CBM-FL-102737); on trunk of *Quercus myrsinaefolia*, 2013.04, coll. H.Izumi no. 214 (CBM-FL-102749); 57 m elev., on trunk of *Prunus* sp., 2013.02, coll. H.Izumi no. 23 (CBM-FL-204319) & 25 (CBM-FL-102666). <53402292>, 八街市, 63 m elev., on trunk of *Prunus* sp., 2013.04, coll. H.Izumi no. 242 (CBM-FL-102763). <53402294>, 八街市, 67 m elev., on trunk of *Prunus* sp., 2017.04, coll. H.Izumi no. 1874 (CBM-FL-102936). <53402295>, 千葉市緑区, 51 m elev., on branch of *Rhododendron* sp., 2017.04, coll. H.Izumi no. 1906 (CBM-FL-102951). <53402299>, 東金市, 30 m elev., on trunk of *Prunus* sp., 1992.12, coll. A.Matsushita no. 584 (CBM-FL-3321). <千葉メッシュ 4182/ 53402312>, 東金市, 5 m elev., on trunk of *Pinus densiflora*, 1990.09, coll. H.Takamiya no. 90267 (CBM-FL-1118). <53402320>, 東金市, 5 m elev., on trunk of *Cryptomeria japonica*, by a paddy field, 1993.02, coll. A.Matsushita no. 594 (CBM-FL-3330). <千葉メッシュ 4171/ 53402321>, 東金市, 5 m elev., on trunk of *Pinus densiflora*, 1990.09, coll. H.Takamiya no. 90256 (CBM-FL-1113). <53402323>, 九十九里町, 2 m elev., on bark of *Podocarpus macrophyllus*, in a field of garden plants, 1993.02, coll. A.Matsushita no. 638 (CBM-FL-3400). <53402332>, 東金市, 5 m elev.,

市原市, 14 m elev., on trunk of dead tree (*Quercus acutissima*), 2013.01, coll. H.Yoshikawa no. 235 (CBM-FL-100191). <53402133>, 市原市, 8 m elev., on trunk of *Acer* sp., 2013.11, coll. H.Yoshikawa no. 555 (CBM-FL-100952); 11 m elev., on trunk of *Cercidiphyllum japonicum*, 2013.03, coll. H.Yoshikawa no. 411 (CBM-FL-100832); 36 m elev., on trunk of *Celtis sinensis* var. *japonica*, 2013.04, coll. H.Yoshikawa no. 430 (CBM-FL-100852). <53402134>, 市原市, 30 m elev., on trunk of *Quercus acutissima*, 2012.12, coll. H.Yoshikawa no. 222 (CBM-FL-100108). <53402141>, 市原市, 7 m elev., on trunk of *Zelkova serrata*, 2013.04, coll. H.Yoshikawa no. 463 (CBM-FL-100884). <53402145>, 市原市, 45 m elev., on trunk of *Prunus* × *yedoensis* with mosses, 2013.01, coll. H.Yoshikawa no. 256 (CBM-FL-100209). <53402153>, 千葉市緑区, 31 m elev., on trunk of *Prunus mume*, 2015.11, coll. M.Hibino no. 1b (CBM-FL-101114). <53402154>, 千葉市緑区, 23 m elev., on trunk of deciduous hardwood, 2015.11, coll. M.Hibino no. 4b (CBM-FL-101118); 30 m elev., on trunk of deciduous hardwood, 2015.11, coll. M.Hibino no. 6 (CBM-FL-101120). <53402164>, 千葉市緑区, 23 m elev., on trunk of *Swida controversa*, 2013.11, coll. H.Yoshikawa no. 526 (CBM-FL-100922). <53402185>, 千葉市緑区, 30 m elev., on bark of *Cryptomeria japonica*, 1988.04, coll. H.Harada no. 9052 (CBM-FL-117). <53402198>, 千葉市若葉区, 50 m elev., on trunk of a cherry tree, 1993.09, coll. H.Harada no. 13876 (CBM-FL-4516). <53402212>, 千葉市緑区, 80 m elev., on trunk of *Cryptomeria japonica*, in forest on slope, 1993.11, coll. H.Harada no. 14086 (CBM-FL-4773). <千葉メッシュ 4079/ 53402229>, 東金市, 7 m elev., on trunk of *Pinus densiflora*, 1989.06, coll. H.Takamiya no. 89030 (CBM-FL-1009). <千葉メッシュ 4058/ 53402248>, 東金市, 9 m elev., on trunk of dead-standing hardwood, 1989.06, coll. H.Takamiya no. 89034 (CBM-FL-1010). <千葉メッシュ 4049/ 53402259>, 東金市, 7 m elev., on trunk of *Podocarpus macrophyllus*, 1990.08, coll. H.Takamiya no. 90115 (CBM-FL-1102). <53402271>, 千葉市若葉区, 42 m elev., on trunk of *Prunus* sp., 2013.02, coll. H.Izumi no. 20 (CBM-FL-204318) & 21 (CBM-FL-102663). <53402275>, 東金市, 20 m elev., on trunk of *Cryptomeria japonica*, 1991.02, coll. H.Harada no. 11620 (CBM-FL-2519) & 11627 (CBM-FL-2526) & 11630 (CBM-FL-2529); on trunk of deciduous hardwood, 1992.12, coll. A.Matsushita no. 528 (CBM-FL-3265); on trunk of *Prunus* sp., 1991.02, coll. H.Harada no. 11619 (CBM-FL-2518). <53402276>, 東金市, 20 m elev., on trunk of conifer, *Cryptomeria japonica*, 1992.12, coll. A.Matsushita no. 541 (CBM-FL-3278); on trunk of *Pinus thunbergii*, 1992.12, coll. A.Matsushita no. 553 (CBM-FL-3290). <千葉メッシュ 4026/ 53402276>, 東金市, 50 m elev., on trunk of *Pinus densiflora*, 1989.05, coll. H.Takamiya no. 89011 (CBM-FL-1008). <53402278>, 東金市, 15 m elev., on trunk of *Ginkgo biloba*, 1990.07, coll. H.Takamiya no. 90016 (CBM-FL-1077); 50 m elev., on bark of *Prunus* sp., 1992.12, coll. A.Matsushita no. 522 (CBM-FL-3259); on trunk of *Ginkgo biloba*, 1992.12, coll. A.Matsushita no. 513 (CBM-FL-3250); on trunk of *Prunus* sp., 1991.02, coll. H.Harada no. 11634 (CBM-FL-2533). <千葉メッシュ 4017/ 53402287>, 東金市, 35 m elev., on branch of *Prunus* sp., 1990.08, coll. H.Takamiya no. 90122 (CBM-FL-1103). <53402291>, 千葉市若葉区, 35 m elev., on trunk of *Prunus* sp., 2013.04, coll. H.Izumi no. 192 (CBM-FL-102734); 45 m elev., on trunk of *Acer amoenum*, 2013.04, coll. H.Izumi no. 223 (CBM-FL-102758); on trunk of *Magnolia praecocissima*, 2013.04, coll. H.Izumi no. 202 (CBM-FL-102737); on trunk of *Quercus myrsinaefolia*, 2013.04, coll. H.Izumi no. 214 (CBM-FL-102749); 57 m elev., on trunk of *Prunus* sp., 2013.02, coll. H.Izumi no. 23 (CBM-FL-204319) & 25 (CBM-FL-102666). <53402292>, 八街市, 63 m elev., on trunk of *Prunus* sp., 2013.04, coll. H.Izumi no. 242 (CBM-FL-102763). <53402294>, 八街市, 67 m elev., on trunk of *Prunus* sp., 2017.04, coll. H.Izumi no. 1874 (CBM-FL-102936). <53402295>, 千葉市緑区, 51 m elev., on branch of *Rhododendron* sp., 2017.04, coll. H.Izumi no. 1906 (CBM-FL-102951). <53402299>, 東金市, 30 m elev., on trunk of *Prunus* sp., 1992.12, coll. A.Matsushita no. 584 (CBM-FL-3321). <千葉メッシュ 4182/ 53402312>, 東金市, 5 m elev., on trunk of *Pinus densiflora*, 1990.09, coll. H.Takamiya no. 90267 (CBM-FL-1118). <53402320>, 東金市, 5 m elev., on trunk of *Cryptomeria japonica*, by a paddy field, 1993.02, coll. A.Matsushita no. 594 (CBM-FL-3330). <千葉メッシュ 4171/ 53402321>, 東金市, 5 m elev., on trunk of *Pinus densiflora*, 1990.09, coll. H.Takamiya no. 90256 (CBM-FL-1113). <53402323>, 九十九里町, 2 m elev., on bark of *Podocarpus macrophyllus*, in a field of garden plants, 1993.02, coll. A.Matsushita no. 638 (CBM-FL-3400). <53402332>, 東金市, 5 m elev.,

on trunk of *Prunus* sp., 1992.12, coll. A.Matsushita no. 506 (CBM-FL-3243). <千葉メッシュ 4162/ 53402332>, 東金市, 5 m elev., on dead-standing trunk of conifer, 1989.08, coll. H.Takamiya no. 89103 (CBM-FL-1028). <53402340>, 東金市, 5 m elev., on bark of *Prunus mume*, in the garden of a house, 1993.02, coll. A.Matsushita no. 617 (CBM-FL-3352); on trunk of *Diospyros kaki*, in the garden of a house, 1993.02, coll. A.Matsushita no. 622 (CBM-FL-3357). <千葉メッシュ 4141/ 53402351>, 東金市, 5 m elev., on trunk of *Pinus thunbergii*, 1989.08, coll. H.Takamiya no. 89117 (CBM-FL-1034). <千葉メッシュ 4142/ 53402352>, 東金市, 5 m elev., on trunk of *Abies firma*, 1989.08, coll. H.Takamiya no. 89090 (CBM-FL-1021). <53402363>, 東金市, 5 m elev., on trunk of *Pinus densiflora*, 1992.12, coll. A.Matsushita no. 589 (CBM-FL-3326). <千葉メッシュ 4134/ 53402364>, 東金市, 5 m elev., on stump of *Pinus thunbergii*, 1989.08, coll. H.Takamiya no. 89124 (CBM-FL-1039). <千葉メッシュ 4102/ 53402392>, 東金市, 7 m elev., on trunk of *Pinus densiflora*, 1990.09, coll. H.Takamiya no. 90273 (CBM-FL-1120). <53403072>, 千葉市花見川区, 22 m elev., on bark at trunk base of *Prunus* sp., 2018.11, coll. S.Tsurumaki no. 18111404 (CBM-FL-206081). <53403074>, 千葉市美浜区, 3 m elev., on bark at trunk base of *Pinus thunbergii*, 2017.05, coll. S.Tsurumaki no. 17050801-b (CBM-FL-205993); 4 m elev., on trunk of *Pinus thunbergii*, 2017.05, coll. S.Tsurumaki no. 17050802-a (CBM-FL-205994); 5 m elev., on trunk of *Ligustrum japonicum*, 2017.12, coll. S.Tsurumaki no. 17123102 (CBM-FL-206021). <53403087>, 千葉市花見川区, 26 m elev., on trunk of *Quercus acutissima*, 2018.04, coll. S.Tsurumaki no. 18032303 (CBM-FL-204927). <53403095>, 千葉市花見川区, 6 m elev., on trunk of *Magnolia praecoccissima*, 2016.08, coll. S.Tsurumaki no. 16082501 (CBM-FL-204179); 7 m elev., on trunk of *Cinnamomum camphora*, 2016.10, coll. S.Tsurumaki no. 16101001 (CBM-FL-204183). <53403096>, 千葉市花見川区, 14 m elev., on branch of *Pinus thunbergii*, 2017.11, coll. S.Tsurumaki no. 17112301 (CBM-FL-206018). <53403097>, 千葉市花見川区, 24 m elev., on trunk of *Celtis sinensis* var. *japonica*, 2016.10, coll. S.Tsurumaki no. 16102401 (CBM-FL-204186). <53403106>, 千葉市若葉区, 37 m elev., on trunk of *Prunus* sp., 2018.01, coll. H.Izumi no. 2124 (CBM-FL-204663). <53403111>, 千葉市中央区, 23 m elev., on bough of *Quercus acutissima*, 2019.09, coll. A.Sakata & H.Harada no. 5644 (CBM-FL-103392). <53403135>, 千葉市若葉区, 20 m elev., on bark of *Quercus acutissima*, by paddy field at the edge of forest, 1993.10, coll. H.Harada no. 13960 (CBM-FL-4745); on bark of *Quercus acutissima*, 1993.10, coll. H.Harada no. 13955 (CBM-FL-4740); 33 m elev., on trunk of *Zelkova serrata*, 2019.05, coll. H.Izumi no. 2370 (CBM-FL-103355). <53403146>, 千葉市若葉区, 34 m elev., on trunk of *Quercus acutissima*, 2019.05, coll. H.Izumi no. 2360 (CBM-FL-103346). <53403179>, 佐倉市, 20 m elev., on trunk of *Prunus* sp., 2013.03, coll. H.Izumi no. 69 (CBM-FL-102692). <53403198>, 佐倉市, 14 m elev., on trunk of *Prunus* sp., 2013.03, coll. H.Izumi no. 65 (CBM-FL-102688). <53403203>, 八街市, 60 m elev., on trunk of *Salicaceae* sp., 2013.04, coll. H.Izumi no. 272 (CBM-FL-102775). <53403204>, 八街市, 59 m elev., on trunk of *Prunus* sp., 2017.06, coll. H.Izumi no. 1963 (CBM-FL-102977). <千葉メッシュ 3588/ 53403218>, 東金市, 35 m elev., on trunk of *Cryptomeria japonica*, 1990.07, coll. H.Takamiya no. 90093 (CBM-FL-1098). <53403233>, 八街市, 62 m elev., on trunk of *Prunus* sp., 2013.02, coll. H.Izumi no. 42 (CBM-FL-102674); on trunk of *Quercus acutissima*, 2013.02, coll. H.Izumi no. 51 (CBM-FL-204334). <53403240>, 千葉市若葉区, 46 m elev., on trunk of *Zelkova serrata*, 2013.03, coll. H.Izumi no. 170 (CBM-FL-102723). <53403241>, 八街市, 21 m elev., on trunk of *Prunus* sp., in a yatsu valley, 2017.09, coll. H.Izumi no. 2086 (CBM-FL-103043); 42 m elev., on trunk of deciduous hardwood, 2013.04, coll. H.Izumi no. 286 (CBM-FL-102781). <53403254>, 八街市, 46 m elev., on trunk of *Prunus mume*, 2017.11, coll. H.Izumi no. 2101 (CBM-FL-103052); 47 m elev., on trunk of *Prunus mume*, 2017.11, coll. H.Izumi no. 2103 (CBM-FL-103054). <53403260>, 八街市, 21 m elev., on trunk of *Prunus* sp., 2016.12, coll. H.Izumi no. 1692 (CBM-FL-102848). <53403261>, 八街市, 37 m elev., on trunk of *Cryptomeria japonica*, 2017.06, coll. H.Izumi no. 1997 (CBM-FL-102998). <53403262>, 八街市, 40 m elev., on trunk of *Castanopsis sieboldii*, 2017.07, coll. H.Izumi no. 2044 (CBM-FL-103026). <53403279>, 山武市, 40 m elev., on trunk of *Quercus serrata*, 2012.12, coll. H.Harada no. 27844 (CBM-FL-100036). <53403285>, 八街市, 45 m elev., on trunk of *Zelkova serrata*, 2017.03, coll. H.Izumi no. 1861 (CBM-FL-102925). <53403289>, 八街市, 47 m

elev., on trunk of *Prunus* sp., 2017.03, coll. H.Izumi no. 1822 (CBM-FL-102897). <53403291>, 八街市, 15 m elev., on trunk of *Prunus* sp., 2016.12, coll. H.Izumi no. 1720 (CBM-FL-102871). <53403292>, 八街市, 32 m elev., on trunk of *Prunus* sp., 2017.06, coll. H.Izumi no. 1983 (CBM-FL-102988). <53403294>, 八街市, 41 m elev., on trunk of *Prunus* sp., 2017.01, coll. H.Izumi no. 1774 (CBM-FL-102887). <53403301>, 八街市, 43 m elev., on trunk of *Prunus* sp., 2016.07, coll. H.Izumi no. 1657 (CBM-FL-102821). <53403305>, 山武市, 6 m elev., on trunk of *Zelkova serrata*, 2012.12, coll. H.Harada no. 27829 (CBM-FL-100024). <53403397>, 横芝光町, 7 m elev., on trunk of *Zelkova serrata*, 2012.12, coll. H.Harada no. 27686 (CBM-FL-100009). <53403420>, 山武市, 1.5 m elev., on trunk of *Cinnamomum camphora*, 2016.03, coll. A.Sakata no. 4210 (CBM-FL-102024). <53403487>, 匝瑳市, 5 m elev., on trunk of *Pinus thunbergii*, in coastal pine forest, 2014.03, coll. A.Sakata no. 2506 (CBM-FL-37375); H.Harada no. 28895 (CBM-FL-100696). <53404003>, 千葉市花見川区, 16 m elev., on trunk of *Zelkova serrata*, 2018.06, coll. S.Tsurumaki no. 18060304 (CBM-FL-206039). <53404007>, 千葉市花見川区, 9 m elev., on trunk of *Prunus* sp., 2016.08, coll. S.Tsurumaki no. 16081201 (CBM-FL-204176); 16 m elev., on trunk of *Prunus* sp., 2019.05, coll. S.Tsurumaki no. 19050906 (CBM-FL-206107); 17 m elev., on bark at trunk base of *Quercus myrsinaefolia*, 2019.05, coll. S.Tsurumaki no. 19050909 (CBM-FL-206110); on trunk of *Zelkova serrata*, 2019.05, coll. S.Tsurumaki no. 19052403 (CBM-FL-206127); 18 m elev., on trunk of *Pinus thunbergii*, 2018.10, coll. S.Tsurumaki no. 18103102 (CBM-FL-206075) & 18103103 (CBM-FL-206076); 19 m elev., on trunk of *Prunus* sp., 2019.05, coll. S.Tsurumaki no. 19050914 (CBM-FL-206115) & 19053102 (CBM-FL-206135). <53404027>, 千葉市花見川区, 27 m elev., on trunk of *Prunus* sp., 2017.01, coll. S.Tsurumaki no. 17010701 (CBM-FL-204198); on trunk of *Zelkova serrata*, 2017.04, coll. S.Tsurumaki no. 17042701 (CBM-FL-204234). <53404029>, 千葉市花見川区, 25 m elev., on trunk of *Prunus* sp., 2018.11, coll. S.Tsurumaki no. 18112102 (CBM-FL-206086). <53404044>, 船橋市, 30 m elev., on trunk of *Prunus* sp., 2018.11, coll. H.Harada & A.Sakata no. 32483 (CBM-FL-103200). <53404048>, 千葉市花見川区, 27 m elev., on trunk of *Quercus acutissima*, 2017.02, coll. S.Tsurumaki no. 17021903 (CBM-FL-204211). <53404054>, 船橋市, 29 m elev., on trunk of *Prunus* sp., 2018.11, coll. A.Sakata & H.Harada no. 5563 (CBM-FL-103217). <53404202>, 八街市, 38 m elev., on stone lantern, 2017.03, coll. H.Izumi no. 1842 (CBM-FL-102908). <53404213>, 八街市, 31 m elev., on tombstone, 2016.10, coll. H.Izumi no. 1683 (CBM-FL-102841). <53404223>, 八街市, 40 m elev., on trunk of *Prunus* sp., 2016.10, coll. H.Izumi no. 1675 (CBM-FL-102833). <53404241>, 八街市, 41 m elev., on trunk of *Celtis sinensis* var. *japonica*, 2016.10, coll. H.Izumi no. 1672 (CBM-FL-102831). <53404277>, 富里市, 39 m elev., on trunk of *Prunus* sp., in a park, 2012.11, coll. H.Harada & R.Harada no. 27680 (CBM-FL-100002). <53404400>, 横芝光町, 7 m elev., on trunk of *Zelkova serrata*, 2013.02, coll. H.Harada & R.Harada no. 28188 (CBM-FL-100166). <53404510>, 旭市, 2 m elev., on bark of *Pinus thunbergii*, 1991.02, coll. H.Harada no. 11608 (CBM-FL-1304). <53404598>, 銚子市, 30 m elev., on stone lantern, 1990.09, coll. T.Furuki no. 9431 (CBM-FL-3760). <53404659>, 銚子市, 10 m elev., on trunk of *Pinus thunbergii*, in coastal pine forest, 2014.03, coll. A.Sakata no. 2509 (CBM-FL-37379). <53404669>, 銚子市, 5 m elev., on trunk of *Pinus thunbergii*, 2002.04, coll. H.Harada no. 19930 (CBM-FL-14538) & 19942 (CBM-FL-14550). <53404676>, 銚子市, 3.5 m elev., on trunk of *Cinnamomum camphora*, 2015.12, coll. H.Yoshikawa et al. no. 1180 (CBM-FL-101496). <53404677>, 銚子市, 24 m elev., on trunk of *Prunus yedoensis*, 2015.12, coll. H.Yoshikawa et al. no. 1183 (CBM-FL-101499). <53405034>, 白井市, 20 m elev., on a stone monument, 2007.02, coll. H.Harada no. 24421 (CBM-FL-23071). <53405043>, 白井市, 20 m elev., on trunk of *Prunus* sp., 2005.12, coll. H.Harada no. 23288 (CBM-FL-22628). <53405044>, 白井市, 20 m elev., on trunk of *Pinus thunbergii*, 2006.03, coll. T.Morita no. 38 (CBM-FL-22931). <千葉メッシュ 1758/ 53405048>, 印西市, 20 m elev., on bark of *Quercus acutissima*, 2006.02, coll. T.Morita no. 14 (CBM-FL-22909). <53405057>, 白井市, 20 m elev., on stone-wall, 2005.12, coll. M.Hasegawa no. 502 (CBM-FL-22928). <53405066>, 白井市, 20 m elev., on trunk of *Quercus acutissima*, 2007.01, coll. H.Harada no. 24352 (CBM-FL-23002). <53405075>, 白井市, 20 m elev., on branch of *Quercus acutissima*, 2007.02, coll. H.Harada no. 24396 (CBM-FL-23046). <53405086>, 白井市, 20 m elev., on trunk of *Prunus* sp.,

2005.11, coll. H.Harada no. 22841 (CBM-FL-22606); 2005.12, coll. T.Morita no. 1 (CBM-FL-22896). <53405104>, 印西市, 23 m elev., on trunk of *Prunus* × *yedoensis*, 2012.12, coll. H.Harada & R.Harada no. 27879 (CBM-FL-100080). <53405140>, 印西市, 16 m elev., on trunk of *Ginkgo biloba*, 2016.02, coll. H.Harada & T.Morita no. 31405 (CBM-FL-102004). <53405147>, 印西市, 29 m elev., on trunk of *Cerasus* sp., 2016.02, coll. H.Harada & T.Morita no. 31256 (CBM-FL-101970) & 31384 (CBM-FL-101990); on trunk of *Chamaecyparis pisifera*, 2016.02, coll. H.Harada & T.Morita no. 31380 (CBM-FL-101986). <53405165>, 印西市, 27 m elev., on trunk of *Abies firma*, 2016.02, coll. H.Harada & T.Morita no. 31220 (CBM-FL-101946). <53405245>, 成田市, 13 m elev., on branch of *Quercus acutissima*, 2021.02, coll. A.Sakata no. 5884b (CBM-FL-103583); 21 m elev., on branch of *Prunus mume*, 2021.03, coll. A.Sakata no. 5922a (CBM-FL-103584); 22 m elev., on branch of *Quercus acutissima*, 2021.02, coll. A.Sakata no. 5883b (CBM-FL-103579). <53405476>, 香取市, 10 m elev., on branch of *Prunus* × *yedoensis*, 2017.01, coll. H.Yoshikawa no. 1766 (CBM-FL-102332). <53405533>, 東庄町, 14 m elev., on trunk of *Benthamidia florida*, 2015.12, coll. A.Sakata et al. no. 3895 (CBM-FL-101713). <53405534>, 東庄町, 40 m elev., on trunk of *Celtis sinensis* var. *japonica*, 2015.12, coll. A.Sakata et al. no. 3877 (CBM-FL-101696) & 3885 (CBM-FL-101703). <53405564>, 東庄町, 52 m elev., on trunk of *Cryptomeria japonica*, 2015.12, coll. A.Sakata et al. no. 3909 (CBM-FL-101726); on trunk of *Prunus* × *yedoensis*, 2015.12, coll. H.Yoshikawa et al. no. 1287 (CBM-FL-101687). <53405571>, 香取市, 41 m elev., on trunk of *Prunus spachiana*, 2015.12, coll. H.Yoshikawa et al. no. 1290 (CBM-FL-101690). <53405580>, 香取市, 25 m elev., on branch of *Prunus mume*, 2021.02, coll. A.Sakata no. 5888c (CBM-FL-103562); 45 m elev., on branch of *Prunus mume*, 2021.02, coll. A.Sakata no. 5867 (CBM-FL-103542); on trunk of *Prunus mume*, 2021.02, coll. A.Sakata no. 5894 (CBM-FL-206176). <53406031>, 我孫子市, 3 m elev., on trunk of *Zelkova serrata*, 2013.05, coll. A.Sakata no. 1821 (CBM-FL-100645). <53406472>, 香取市, 6.5 m elev., on branch of *Prunus* × *yedoensis*, 2017.01, coll. H.Yoshikawa no. 1763 (CBM-FL-40725); 33 m elev., on bamboo stakes, 2017.01, coll. H.Yoshikawa no. 1738 (CBM-FL-102310) / : <54391612>, 野田市, 19 m elev., on trunk of *Prunus* sp., 2016.06, coll. A.Sakata no. 4368 (CBM-FL-102169)

● *Parmotrema ultralucens* (Krog) Hale/ ウラゲロマツゲゴケ

<52396749>, 君津市, 180 m elev., on rocks, on mountain ridge, 2002.02, coll. H.Harada no. 19785 (CBM-FL-13914). <52406227>, 御宿町, 10 m elev., on dead-standing tree trunk, 1994.09, coll. A.Matsuda no. 803 (CBM-FL-6402). <52407102>, 市原市, 100 m elev., on trunk of *Prunus* sp., 1991.07, coll. H.Harada no. 11891 (CBM-FL-3629)

● *Punctelia borreri* (Sm.) Krog/ ハクテンゴケ

<52395668>, 鋸南町, 80 m elev., on trunk of *Acer palmatum*, 1999.04, coll. T.Kawana no. 99040911 (CBM-FL-12131). <52395678>, 鋸南町, 10 m elev., on trunk of *Diospyros kaki*, 1999.04, coll. T.Kawana no. 99040606 (CBM-FL-12124); on trunk of *Prunus mume*, 1999.04, coll. T.Kawana no. 99040605 (CBM-FL-12123). <52395723>, 南房総市, 67 m elev., on stone monument, 2015.12, coll. A.Sakata et al. no. 3871 (CBM-FL-101478); 328 m elev., on rock (N-facing), 2015.12, coll. H.Harada et al. no. 31059 (CBM-FL-101415). <千葉メッシュ 6717/ 52395787>, 富津市, 130 m elev., on trunk of *Zelkova serrata*, 1998.02, coll. T.Kawana no. 98022809 (CBM-FL-11073). <千葉メッシュ 6197/ 52396707>, 富津市, 100 m elev., on trunk of *Diospyros kaki*, 1999.02, coll. T.Kawana no. 99022801 (CBM-FL-12105); 100 m elev., on trunk of *Diospyros kaki*, 1999.02, coll. T.Kawana no. 99022805 (CBM-FL-12109). <52396719>, 君津市・鴨川市, 250 m elev., on trunk of *Quercus salicina*, on forested ridge, 2002.02, coll. H.Harada no. 19906 (CBM-FL-14147). <千葉メッシュ 6157/ 52396747>, 富津市, 60 m elev., on trunk of *Diospyros kaki*, 1999.03, coll. T.Kawana no. 99032705 (CBM-FL-12179) & 99032706 (CBM-FL-12180) & 99032707 (CBM-FL-12181) & 99032708 (CBM-FL-12182). <52396758>, 君津市, 200 m elev., on leaves of fern (*Cyrtomium fortunei* var. *clivicola*), 2002.04, coll. T.Kawana no. 2042953 (CBM-FL-15068). <千葉メッシュ 6130/ 52396760>, 富津市, 20 m elev., on stone-wall, 1997.03, coll. T.Kawana no. 97032003 (CBM-

FL-8754). <52396764>, 富津市, 40 m elev., on stone-carved guardian dog, 1997.06, coll. T.Kawana no. 97061416 (CBM-FL-9048); on trunk of *Castanopsis sieboldii*, 2001.12, coll. T.Kawana no. 1122209 (CBM-FL-13845). <52396787>, 富津市, 130 m elev., on stone lantern, 1997.06, coll. T.Kawana no. 97061505 (CBM-FL-9054). <52397709>, 君津市, 40 m elev., on rocks, 2001.04, coll. T.Kawana no. 1041803 (CBM-FL-13456). <52397738>, 君津市, 60 m elev., on trunk of *Zelkova serrata*, 2000.07, coll. T.Kawana no. 70401 (CBM-FL-13163). <52397744>, 君津市, 50 m elev., on trunk of *Prunus* × *yedoensis*, 1998.08, coll. T.Kawana no. 98080704 (CBM-FL-11959). <千葉メッシュ 6844/ 52405054>, 鴨川市, 50 m elev., on trunk of *Diospyros kaki*, 1999.12, coll. T.Kawana no. 99121504 (CBM-FL-12543). <千葉メッシュ 6821/ 52405071>, 鴨川市, 90 m elev., on trunk of *Albizia julibrissin*, 1999.11, coll. T.Kawana no. 99111306 (CBM-FL-12415). <52405195>, 鴨川市, 90 m elev., on trunk of *Castanopsis sieboldii*, 2017.01, coll. H.Yoshikawa et al. no. 1716 (CBM-FL-103076). <52406061>, 君津市, 60 m elev., on trunk of *Celtis sinensis* var. *japonica*, 2003.02, coll. T.Kawana no. 3020810 (CBM-FL-15164). <52406070>, 君津市, 60 m elev., on trunk of *Prunus mume*, 2000.02, coll. T.Kawana no. 22504 (CBM-FL-12799). <52406077>, 君津市, 89 m elev., on twigs of *Rhododendron* sp., 2014.10, coll. H.Izumi no. 1020 (CBM-FL-100770); 90 m elev., on twigs of *Rhododendron indicum*, 1999.08, coll. T.Kawana no. 99081002 (CBM-FL-13393). <千葉メッシュ 6313/ 52406183>, 大多喜町, 120 m elev., on trunk of *Prunus* × *yedoensis*, 1998.08, coll. T.Kawana no. 98080821 (CBM-FL-11966). <52406227>, 御宿町, 10 m elev., on tombstones, 1994.09, coll. A.Matsuda no. 834 (CBM-FL-6433). <52406360>, いすみ市, 30 m elev., on trunk of *Ilex rotunda*, 1998.11, coll. T.Kawana no. 98111117 (CBM-FL-12067). <52407003>, 君津市, 75 m elev., on trunk of *Zelkova serrata*, 2012.12, coll. T.Kawana no. 12122842 (CBM-FL-35442). <52407042>, 君津市, 237 m elev., on trunk of *Prunus* sp., 2012.12, coll. T.Kawana no. 12122808 (CBM-FL-35412). <52407141>, 市原市, 70 m elev., on trunk of *Zelkova serrata*, 1992.12, coll. M.Ishibashi no. 184 (CBM-FL-3528). <52407149>, 大多喜町, 72 m elev., on trunk of *Carpinus tschonoskii*, 2015.12, coll. H.Harada & H.Izumi no. 31019 (CBM-FL-101382). <52407160>, 市原市, 80 m elev., on branch of *Quercus acutissima*, 2015.12, coll. H.Izumi et al. no. 1421 (CBM-FL-101271). <52407273>, いすみ市, 35 m elev., on stone lantern, 2016.06, coll. H.Yoshikawa et al. no. 1436 (CBM-FL-102061). <52407372>, いすみ市, 7 m elev., on trunk of *Ilex integra*, 2015.12, coll. H.Izumi & H.Harada no. 1457 (CBM-FL-101547). <53395755>, 松戸市, 23 m elev., on trunk of *Prunus* sp., 2013.03, coll. A.Sakata no. 1601 (CBM-FL-100352). <53395759>, 松戸市, 30 m elev., on trunk of *Prunus* sp., 2014.01, coll. A.Sakata no. 2373 (CBM-FL-100731). <53395783>, 松戸市, 12 m elev., on trunk of *Benthamidia florida*, 2013.04, coll. A.Sakata no. 1787 (CBM-FL-100607). <53395784>, 松戸市, 12 m elev., on trunk of *Zelkova serrata*, by road, 2013.01, coll. A.Sakata no. 1375 (CBM-FL-100160). <53395785>, 松戸市, 25 m elev., on trunk of *Zelkova serrata*, 2014.11, coll. A.Sakata no. 2602a (CBM-FL-101022). <53395792>, 松戸市, 3 m elev., on trunk of *Zelkova serrata*, 2015.10, coll. A.Sakata no. 3702 (CBM-FL-101075). <53400091>, 袖ヶ浦市, 20 m elev., on rocks, 1995.12, coll. H.Harada no. 15933 (CBM-FL-6526). <53400111>, 市原市, 50 m elev., on tree trunk, 2000.12, coll. T.Kawana no. 121502 (CBM-FL-13499) & 121505 (CBM-FL-13502). <53400137>, 長南町, 80 m elev., on trunk of *Diospyros kaki*, 2000.03, coll. T.Kawana no. 30535 (CBM-FL-12849). <53400149>, 長南町, 30 m elev., on rock, 2021.09, coll. A.Sakata no. 6068 (CBM-FL-41611); on trunk of *Acer* sp., 2021.09, coll. A.Sakata no. 6067 (CBM-FL-103636). <53400155>, 市原市, 101 m elev., on trunk of *Prunus* × *yedoensis*, 2015.10, coll. H.Yoshikawa no. 1037 (CBM-FL-101111). <53400159>, 長南町, 30 m elev., on trunk of *Diospyros kaki*, 2021.09, coll. A.Sakata no. 6082 (CBM-FL-103642). <53400250>, 長南町, 30 m elev., on twigs of *Rhododendron* sp., 2021.09, coll. H.Harada no. 34026 (CBM-FL-103631). <千葉メッシュ 5143/ 53400253>, 茂原市, 40 m elev., on *Salix chaenomeloides*, 2001.10, coll. T.Kawana no. 1100901 (CBM-FL-14222). <53400272>, 茂原市, 19 m elev., on trunk of *Prunus* sp., 2019.03, coll. H.Izumi no. 2228 (CBM-FL-103263). <53400281>, 長南町, 28 m elev., on branch of *Pinus thunbergii*, 2021.02, coll. A.Sakata no. 5846 (CBM-FL-206159). <53400301>, 一宮町, 5 m elev., on bark of *Pinus thunbergii*, 1988.11, coll. H.Harada no. 9166 (CBM-FL-233). <53400311>, 一宮町, 2 m elev., on trunk of *Pinus thunbergii*, in coastal forest, 1994.01, coll.

H.Harada no. 14111 (CBM-FL-4795). <53400321>, 一宮町, 2 m elev., on bark of *Pinus thunbergii*, 1991.02, coll. H.Harada no. 11615B (CBM-FL-1292). <53401058>, 市原市, 15 m elev., on wooden boardwalk, 2013.01, coll. H.Yoshikawa no. 266 (CBM-FL-100219). <53401176>, 長柄町, 81 m elev., on trunk of deciduous hardwood, 2013.04, coll. H.Yoshikawa no. 446 (CBM-FL-100868). <53401212>, 茂原市, 28 m elev., on trunk of *Prunus* sp., 2019.04, coll. H.Izumi no. 2353 (CBM-FL-103340). <53401252>, 茂原市, 29 m elev., on trunk of *Prunus* sp., 2018.11, coll. H.Izumi no. 2205 (CBM-FL-103246). <53401259>, 白子町, 2.3 m elev., on stone statue, 2016.12, coll. H.Yoshikawa & H.Izumi no. 1659 (CBM-FL-102405). <53402004>, 市原市, 2 m elev., on trunk of *Cercidiphyllum japonicum*, 2013.03, coll. H.Yoshikawa no. 392 (CBM-FL-100813). <53402039>, 市原市, 5 m elev., on trunk of *Quercus myrsinaefolia*, 2013.03, coll. H.Yoshikawa no. 385 (CBM-FL-100265). <53402124>, 市原市, 12 m elev., on trunk of *Cryptomeria japonica*, 2013.01, coll. H.Yoshikawa no. 254 (CBM-FL-100207). <53402133>, 市原市, 8 m elev., on trunk of *Prunus* × *yedoensis* with mosses, 2013.11, coll. H.Yoshikawa no. 558 (CBM-FL-100955); 11 m elev., on trunk of *Prunus* × *yedoensis*, 2013.03, coll. H.Yoshikawa no. 420 (CBM-FL-100842); 36 m elev., on trunk of *Celtis sinensis* var. *japonica*, 2013.04, coll. H.Yoshikawa no. 427 (CBM-FL-100849). <53402134>, 市原市, 28 m elev., on trunk of *Cercidiphyllum japonicum*, 2012.12, coll. H.Yoshikawa no. 214 (CBM-FL-100100). <53402141>, 市原市, 7 m elev., on trunk of *Zelkova serrata*, 2013.04, coll. H.Yoshikawa no. 468 (CBM-FL-100889); 2017.02, coll. H.Yoshikawa no. 1948 (CBM-FL-40789). <53402145>, 市原市, 47 m elev., on twig of *Rhododendron* sp., 2013.02, coll. H.Yoshikawa no. 350 (CBM-FL-100231). <53402164>, 千葉市緑区, 23 m elev., on trunk of *Acer palmatum* var. *matsumurae*, 2013.11, coll. H.Yoshikawa no. 540 (CBM-FL-100936); on trunk of *Swida controversa*, 2013.11, coll. H.Yoshikawa no. 527 (CBM-FL-100923). <53402278>, 東金市, 50 m elev., on trunk of *Prunus* sp., 1991.02, coll. H.Harada no. 11649 (CBM-FL-2570). <53402291>, 千葉市若葉区, 45 m elev., on trunk of *Acer amoenum*, 2013.04, coll. H.Izumi no. 221 (CBM-FL-102756); on trunk of *Magnolia praecocissima*, 2013.04, coll. H.Izumi no. 207 (CBM-FL-102742); on trunk of *Quercus myrsinaefolia*, 2013.04, coll. H.Izumi no. 213 (CBM-FL-102748); 57 m elev., on trunk of *Prunus* sp., 2013.02, coll. H.Izumi no. 27 (CBM-FL-102668). <53402294>, 八街市, 67 m elev., on trunk of *Prunus* sp., 2017.04, coll. H.Izumi no. 1871 (CBM-FL-102933). <53402295>, 千葉市緑区, 51 m elev., on branch of *Rhododendron* sp., 2017.04, coll. H.Izumi no. 1905 (CBM-FL-102950). <53402340>, 東金市, 5 m elev., on trunk of *Podocarpus macrophyllus*, in a field of garden plants, 1993.02, coll. A.Matsushita no. 627 (CBM-FL-3362). <53403085>, 千葉市花見川区, 21 m elev., on trunk of *Prunus* sp., 2017.11, coll. S.Tsurumaki no. 17111002 (CBM-FL-206016). <53403096>, 千葉市花見川区, 14 m elev., on trunk of *Zelkova serrata*, 2017.03, coll. S.Tsurumaki no. 17030801 (CBM-FL-204220) & 17032102 (CBM-FL-204228). <53403106>, 千葉市若葉区, 41 m elev., on trunk of *Prunus mume*, 2018.01, coll. H.Izumi no. 2137 (CBM-FL-103115). <53403111>, 千葉市中央区, 24 m elev., on branch of *Zelkova serrata*, 2019.09, coll. A.Sakata & H.Harada no. 5668 (CBM-FL-103410). <53403146>, 千葉市若葉区, 34 m elev., on trunk of *Lithocarpus edulis*, 2019.05, coll. H.Izumi no. 2364 (CBM-FL-103350). <53403203>, 八街市, 60 m elev., on trunk of *Salicaceae* sp., 2013.04, coll. H.Izumi no. 273 (CBM-FL-102776). <53403233>, 八街市, 62 m elev., on trunk of *Prunus* sp., 2013.02, coll. H.Izumi no. 40 (CBM-FL-102672). <53403251>, 八街市, 44 m elev., on trunk of *Zelkova serrata*, 2017.06, coll. H.Izumi no. 2028 (CBM-FL-103019). <53403252>, 八街市, 46 m elev., on trunk of *Paulownia tomentosa*, 2013.04, coll. H.Izumi no. 319 (CBM-FL-102796). <53403260>, 八街市, 21 m elev., on branch of *Rhododendron* shrub, 2018.03, coll. H.Harada & H.Izumi no. 32172 (CBM-FL-103127). <53403261>, 八街市, 38 m elev., on trunk of *Prunus* sp., 2018.03, coll. H.Harada & H.Izumi no. 32195 (CBM-FL-103140). <53403291>, 八街市, 47 m elev., on trunk of *Prunus* sp., 2017.03, coll. H.Izumi no. 1824 (CBM-FL-102899). <53403301>, 八街市, 43 m elev., on trunk of *Prunus* sp., 2016.07, coll. H.Izumi no. 1656 (CBM-FL-102820). <53403397>, 横芝光町, 7 m elev., on trunk of *Salix babylonica*, 2012.12, coll. H.Harada no. 27695 (CBM-FL-100017). <53404007>, 千葉市花見川区, 16 m elev., on trunk of *Prunus* sp., 2019.05, coll. S.Tsurumaki no. 19050806 (CBM-FL-206099) & 19050907 (CBM-FL-206108); 19 m elev., on trunk of *Zelkova serrata*, 2019.06, coll. S.Tsurumaki no. 19060604 (CBM-

FL-206143). <53404013>, 千葉市花見川区, 20 m elev., on trunk of *Prunus* sp., 2018.10, coll. S.Tsurumaki no. 18100702 (CBM-FL-206056). <53404054>, 船橋市, 29 m elev., on trunk of *Prunus* sp., 2018.11, coll. A.Sakata & H.Harada no. 5561 (CBM-FL-103215). <53404223>, 八街市, 40 m elev., on trunk of *Magnolia kobus*, 2016.10, coll. H.Izumi no. 1679 (CBM-FL-102837). <53404400>, 横芝光町, 7 m elev., on trunk of *Quercus myrsinaefolia*, 2013.02, coll. H.Harada & R.Harada no. 28189 (CBM-FL-100167). <53405043>, 白井市, 20 m elev., on trunk of *Prunus mume*, 2005.12, coll. H.Harada no. 23279 (CBM-FL-22619); on trunk of *Prunus* sp., 2005.12, coll. H.Harada no. 23287 (CBM-FL-22627). <53405066>, 白井市, 20 m elev., on trunk of *Quercus acutissima*, 2007.01, coll. H.Harada no. 24354 (CBM-FL-23004). <53405104>, 印西市, 23 m elev., on trunk of *Prunus* × *yedoensis*, 2012.12, coll. H.Harada & R.Harada no. 27888 (CBM-FL-100087). <53405245>, 成田市, 22 m elev., on branch of *Quercus acutissima*, 2021.02, coll. A.Sakata no. 5883a (CBM-FL-103578); 31 m elev., on twig of *Camellia* sp., 2021.03, coll. A.Sakata no. 5936 (CBM-FL-103600); on twig of *Rhododendron* sp., 2021.03, coll. A.Sakata no. 5937 (CBM-FL-206228). <53405534>, 東庄町, 40 m elev., on trunk of *Celtis sinensis* var. *japonica*, 2015.12, coll. A.Sakata et al. no. 3881 (CBM-FL-101700); on trunk of *Zelkova serrata*, 2015.12, coll. H.Harada et al. no. 31120 (CBM-FL-101604); A.Sakata et al. no. 3891 (CBM-FL-101709). <53405564>, 東庄町, 52 m elev., on trunk of *Prunus* sp., 2015.12, coll. H.Harada et al. no. 31150 (CBM-FL-101628). <53406040>, 我孫子市, 15 m elev., on trunk of *Benthamidia florida*, 2013.05, coll. A.Sakata no. 1809 (CBM-FL-100631). <53406472>, 香取市, 40 m elev., on trunk of *Quercus acutissima*, 2017.01, coll. H.Yoshikawa no. 1750 (CBM-FL-102321)

● *Punctelia rudecta* (Ach.) Krog/ トゲハクテンゴケ

<千葉メッシュ 6706/ 52395796>, 富津市, 130 m elev., on trunk of *Prunus* sp., 1998.02, coll. T.Kawana no. 98022802 (CBM-FL-11066). <52396703>, 富津市, 100 m elev., on trunk of *Cryptomeria japonica*, 1995.12, coll. T.Kawana no. 95121503 (CBM-FL-8347). <52396707>, 富津市, 120 m elev., on trunk of *Illicium anisatum*, in forest, 1997.07, coll. T.Kawana no. 97070633 (CBM-FL-10601). <千葉メッシュ 6181/ 52396711>, 富津市, 50 m elev., on bark at trunk base of *Prunus* × *yedoensis*, 2000.08, coll. T.Kawana no. 82109 (CBM-FL-13600). <52396726>, 富津市, 80 m elev., on bark at trunk base of *Castanopsis sieboldii*, 2000.08, coll. T.Kawana no. 82302 (CBM-FL-13611). <52396764>, 富津市, 40 m elev., on trunk of *Prunus* × *yedoensis*, 1997.06, coll. T.Kawana no. 97061407b (CBM-FL-9040). <千葉メッシュ 6139/ 52396769>, 君津市, 70 m elev., on trunk of *Diospyros kaki*, 2004.01, coll. T.Kawana no. 4012545 (CBM-FL-15686); on trunk of *Quercus serrata*, 2004.01, coll. T.Kawana no. 4012546 (CBM-FL-15687) & 4012547 (CBM-FL-15688). <52396771>, 富津市, 40 m elev., on trunk of deciduous hardwood, 2001.01, coll. T.Kawana no. 1011607 (CBM-FL-13442). <52397738>, 君津市, 60 m elev., on trunk of *Prunus mume*, 2000.07, coll. T.Kawana no. 70403 (CBM-FL-13165). <千葉メッシュ 5569/ 52397739>, 君津市, 70 m elev., on trunk of *Prunus mume*, 1999.04, coll. T.Kawana no. 99042404 (CBM-FL-12255). <52397744>, 君津市, 50 m elev., on trunk of *Prunus* × *yedoensis*, 1998.08, coll. T.Kawana no. 98080703 (CBM-FL-11958). <千葉メッシュ 5558/ 52397748>, 君津市, 40 m elev., on trunk of *Prunus* × *yedoensis*, 2000.10, coll. T.Kawana no. 101601 (CBM-FL-13417). <52397756>, 君津市, 30 m elev., on trunk of *Prunus spachiana*, 2000.10, coll. T.Kawana no. 101702 (CBM-FL-14313). <52397764>, 君津市, 40 m elev., on trunk of *Diospyros kaki*, 1999.09, coll. T.Kawana no. 99092607 (CBM-FL-12409). <52397784>, 君津市, 10 m elev., on trunk of *Prunus* sp., 1999.08, coll. T.Kawana no. 99080801 (CBM-FL-12407); 20 m elev., on stone-walls, 1999.08, coll. T.Kawana no. 99081502 (CBM-FL-13399). <千葉メッシュ 6887/ 52405017>, 鴨川市, 10 m elev., on trunk of *diospyros kaki*, 2000.01, coll. T.Kawana no. 10506 (CBM-FL-12524). <52405045>, 鴨川市, 20 m elev., on rocks, 1999.12, coll. T.Kawana no. 99121911 (CBM-FL-12506) & 99121924 (CBM-FL-12518). <52405067>, 鴨川市, 20 m elev., on trunk of *Podocarpus macrophyllus*, 2002.01, coll. T.Kawana no. 2012209 (CBM-FL-14083). <千葉メッシュ 6231/ 52406061>, 君津市, 100 m elev., on trunk of *Zelkova serrata*, 1999.11, coll. T.Kawana no. 99112703 (CBM-FL-12541). <52406071>, 君津市, 100 m elev., on trunk of

Zelkova serrata, 1999.11, coll. T.Kawana no. 99112702 (CBM-FL-12540). <52406077>, 君津市, 89 m elev., on twigs of Rhododendron sp., 2014.10, coll. H.Yoshikawa no. 743 (CBM-FL-100753). <千葉メッシュ 6204/ 52406094>, 君津市, 60 m elev., on trunk of Quercus salicina, 2000.08, coll. T.Kawana no. 80104 (CBM-FL-14273). <52406160>, 君津市, 160 m elev., on stump, 2000.04, coll. T.Kawana no. 40203 (CBM-FL-13031). <52407000>, 君津市, 67 m elev., on trunk of Prunus sp., 2012.11, coll. T.Kawana no. 12111908 (CBM-FL-35322) & 19111912 (CBM-FL-35326). <52407003>, 君津市, 75 m elev., on trunk of Prunus mume f. pendulum, 2012.12, coll. T.Kawana no. 12122854 (CBM-FL-35452). <52407083>, 君津市, 47 m elev., on runk of Carpinus tschonoskii, 2012.12, coll. T.Kawana no. 12120232 (CBM-FL-35384). <52407100>, 市原市, 250 m elev., on trunk of Prunus sp., 1992.08, coll. M.Ishibashi no. 175 (CBM-FL-3519). <52407105>, 大多喜町, 100 m elev., on trunk of Acer palmatum, 2000.03, coll. T.Kawana no. 31826 (CBM-FL-12964); on trunk of Cryptomeria japonica, 2000.03, coll. T.Kawana no. 31829 (CBM-FL-12967). <52407141>, 市原市, 70 m elev., on trunk of Zelkova serrata, 1992.12, coll. M.Ishibashi no. 181 (CBM-FL-3525). <52407149>, 大多喜町, 72 m elev., on trunk of Prunus × yedoensis, 2015.12, coll. H.Izumi & H.Haraa no. 1484 (CBM-FL-101573). <52407273>, いすみ市, 35 m elev., on trunk of Prunus mume, 2016.06, coll. H.Yoshikawa et al. no. 1443 (CBM-FL-102068). <53390708>, 木更津市, 40 m elev., on trunk of Prunus sp., 2001.05, coll. T.Kawana no. 1051301 (CBM-FL-13462). <53395794>, 松戸市, 23 m elev., on trunk of Prunus sp., 2017.03, coll. A.Sakata no. 4961 (CBM-FL-102520). <53396704>, 松戸市, 15 m elev., on trunk of deciduous hardwood, 2017.03, coll. A.Sakata no. 4950 (CBM-FL-102513); 19 m elev., on trunk of deciduous hardwood, 2013.04, coll. A.Sakata no. 1692 (CBM-FL-100508). <53400037>, 木更津市, 50 m elev., on trunk of Ginkgo biloba, 2003.04, coll. T.Kawana no. 3041901 (CBM-FL-15057). <53400040>, 袖ヶ浦市, 50 m elev., on rock, in a graveyard on slope, 1996.03, coll. H.Harada no. 15946 (CBM-FL-6929). <53400041>, 袖ヶ浦市, 40 m elev., on trunk of Castanopsis sieboldii, in forest, 1996.10, coll. T.Kawana no. 96100408 (CBM-FL-8039). <53400086>, 袖ヶ浦市, 80 m elev., on sandstone, 1995.12, coll. H.Harada no. 15911 (CBM-FL-6504). <53400149>, 長南町, 30 m elev., on trunk of Ilex integra, 2021.09, coll. A.Sakata no. 6056 (CBM-FL-41608). <53400155>, 市原市, 101 m elev., on trunk of Prunus × yedoensis, 2015.10, coll. H.Yoshikawa no. 1017-b (CBM-FL-101091). <53400159>, 長南町, 30 m elev., on trunk of Prunus sp., 2021.09, coll. A.Sakata no. 6087 (CBM-FL-103645). <53400167>, 長南町, 40 m elev., on trunk of Ginkgo biloba, 2000.03, coll. T.Kawana no. 30514 (CBM-FL-12832). <千葉メッシュ 5025/ 53400175>, 長柄町, 50 m elev., on trunk of Diospyros kaki, 2000.02, coll. T.Kawana no. 22709 (CBM-FL-12809); on trunk of Prunus mume, 2000.02, coll. T.Kawana no. 22701 (CBM-FL-12802). <53400176>, 長南町, 40 m elev., on rocks, 2000.03, coll. T.Kawana no. 30502 (CBM-FL-12821). <53400178>, 長南町, 50 m elev., on tombstone, 2000.04, coll. T.Kawana no. 40710 (CBM-FL-13040). <53400201>, 睦沢町, 80 m elev., on trunk of Magnolia grandiflora, 1990.12, coll. H.Takamiya no. 90382 (CBM-FL-2650); 87 m elev., on trunk of Ginkgo biloba, 2016.06, coll. H.Izumi et al. no. 1618 (CBM-FL-102127); H.Yoshikawa et al. no. 1458 (CBM-FL-102080). <53400250>, 長南町, 30 m elev., on stone lantern, 2021.09, coll. A.Sakata no. 6093 (CBM-FL-103646). <53400274>, 茂原市, 30 m elev., on trunk of Cryptomeria japonica, 2019.03, coll. H.Izumi no. 2251 (CBM-FL-103280). <53400291>, 茂原市, 26 m elev., on trunk of Zelkova serrata, 2019.04, coll. H.Izumi no. 2337 (CBM-FL-103329). <53400311>, 一宮町, 2 m elev., on trunk of Pinus thunbergii, in coastal forest, 1994.01, coll. H.Harada no. 14116 (CBM-FL-4800). <53401213>, 茂原市, 20 m elev., on trunk of Prunus sp., 2018.06, coll. H.Izumi no. 2161 (CBM-FL-103162) & 2167 (CBM-FL-103177). <53401228>, 白子町, 4.8 m elev., on stone guardian dog, 2016.12, coll. H.Izumi & H.Yoshikawa no. 1740 (CBM-FL-102436). <53401251>, 茂原市, 59 m elev., on trunk of Castanopsis sieboldii, 2019.08, coll. H.Izumi no. 2464 (CBM-FL-103456). <53401263>, 茂原市, 24 m elev., on trunk of Pinus, 2019.08, coll. H.Izumi no. 2454 (CBM-FL-103448). <53402145>, 市原市, 45 m elev., on trunk of Prunus × yedoensis, 2013.01, coll. H.Yoshikawa no. 257 (CBM-FL-100210). <53402198>, 千葉市若葉区, 40 m elev., on trunk of Prunus × yedoensis, by paddy fields, 1994.12, coll. H.Harada no. 15187 (CBM-FL-5016). <53402278>, 東金市, 40 m elev., on rock,

1990.07, coll. H.Takamiya no. 90051 (CBM-FL-1093); 50 m elev., on bark of Prunus sp., 1992.12, coll. A.Matsushita no. 515 (CBM-FL-3252); on trunk of Prunus sp., 1992.12, coll. A.Matsushita no. 557 (CBM-FL-3294). <53402291>, 千葉市若葉区, 35 m elev., on trunk of Prunus sp., 2013.04, coll. H.Izumi no. 186 (CBM-FL-102728). <53402299>, 東金市, 30 m elev., on trunk of Cinnamomum camphora, 1992.12, coll. A.Matsushita no. 577 (CBM-FL-3314); on trunk of Prunus sp., 1992.12, coll. A.Matsushita no. 585 (CBM-FL-3322). <千葉メッシュ 4009/ 53402299>, 東金市, 35 m elev., on tombstone (granite), 1989.06, coll. H.Takamiya no. 89052 (CBM-FL-1016). <53403070>, 千葉市花見川区, 22 m elev., on trunk of Prunus sp., 2018.11, coll. S.Tsurumaki no. 18111402 (CBM-FL-206079). <53403198>, 佐倉市, 14 m elev., on trunk of Prunus sp., 2013.03, coll. H.Izumi no. 64 (CBM-FL-102687). <53403260>, 八街市, 21 m elev., on trunk of Prunus sp., 2016.12, coll. H.Izumi no. 1715 (CBM-FL-102867). <53403292>, 八街市, 32 m elev., on trunk of Prunus sp., 2017.06, coll. H.Izumi no. 1982 (CBM-FL-102987). <53404202>, 八街市, 38 m elev., on rock, 2017.03, coll. H.Izumi no. 1837 (CBM-FL-102904); on trunk of Ginkgo biloba, 2017.03, coll. H.Izumi no. 1839 (CBM-FL-102906). <53404598>, 銚子市, 30 m elev., on stone lantern, 1990.09, coll. T.Furuki no. 9433 (CBM-FL-3761). <53405086>, 白井市, 20 m elev., on trunk of Prunus sp., 2005.12, coll. T.Morita no. 3 (CBM-FL-22898) & 4 (CBM-FL-22899). <53405245>, 成田市, 14 m elev., on twig of Rhododendron sp., 2021.03, coll. A.Sakata no. 5910 (CBM-FL-103572); 20 m elev., on rock, 2021.03, coll. A.Sakata no. 5905 (CBM-FL-206199). <54391622>, 野田市, 20 m elev., on trunk of Zelkova serrata, 2017.05, coll. A.Sakata no. 5058 (CBM-FL-102623).

● Rimelia clavulifera (Räsänen) Kurok./ マツゲゴケ

<52392699>, 南房総市, 60 m elev., on trunk of Abies firma, 2000.02, coll. T.Kawana no. 22217 (CBM-FL-12786). <52392792>, 南房総市, 25 m elev., on branch of Prunus × yedoensis, 2015.12, coll. H.Izumi et al. no. 1494 (CBM-FL-101745). <52393606>, 館山市, 28 m elev., on trunk of Cinnamomum camphora, 2015.12, coll. H.Izumi, H.Yoshikawa & H.Harada no. 1330 (CBM-FL-101171). <千葉メッシュ 7479/ 52393629>, 館山市, 40 m elev., on stone monument, 2000.02, coll. T.Kawana no. 22205 (CBM-FL-12775). <52393725>, 南房総市, 35 m elev., on trunk of Prunus × yedoensis, 2015.12, coll. H.Izumi et al. no. 1511 (CBM-FL-101762). <千葉メッシュ 7543/ 52393753>, 南房総市, 50 m elev., on tombstone, 2000.02, coll. T.Kawana no. 20635 (CBM-FL-12731). <52393755>, 南房総市, 35 m elev., on trunk of Prunus × yedoensis, 2015.12, coll. H.Izumi et al. no. 1524 (CBM-FL-101772). <52393762>, 南房総市, 45 m elev., on branch of Acer sp., 2017.02, coll. H.Yoshikawa no. 1970 (CBM-FL-40798). <52393770>, 館山市, 19 m elev., on stoneworks, 2017.04, coll. A.Sakata et al. no. 5033 (CBM-FL-102559). <52393771>, 館山市, 30 m elev., on rocks, 2000.02, coll. T.Kawana no. 20613 (CBM-FL-12714) & 20615 (CBM-FL-12716) & 20618 (CBM-FL-12719). <52393774>, 南房総市, 30 m elev., on tombstone, 2000.02, coll. T.Kawana no. 21111 (CBM-FL-12754). <52393775>, 南房総市, 30 m elev., on tombstone, 2000.02, coll. T.Kawana no. 21101 (CBM-FL-12744). <千葉メッシュ 7155/ 52394645>, 南房総市, 80 m elev., on trunk of Celtis sinensis var. japonica, 2001.03, coll. T.Kawana no. 1032616 (CBM-FL-13451). <52394649>, 南房総市, 40 m elev., on a stone lantern, 1998.07, coll. T.Kawana no. 98072716 (CBM-FL-11391). <千葉メッシュ 7241/ 52394751>, 南房総市, 60 m elev., on trunk of Cryptomeria japonica, 2000.08, coll. T.Kawana no. 83101 (CBM-FL-14046). <52394769>, 南房総市, 155 m elev., on branche of Prunus × yedoensis, 2016.12, coll. H.Yoshikawa no. 1676 (CBM-FL-102293). <52394776>, 南房総市, 110 m elev., on trunk of Prunus sp., 2000.01, coll. T.Kawana no. 12126 (CBM-FL-12592). <52394786>, 南房総市, 80 m elev., on stone lantern, 2000.01, coll. T.Kawana no. 12921 (CBM-FL-12635); on stone-walls, 2000.01, coll. T.Kawana no. 12908 (CBM-FL-12628). <52395619>, 南房総市, 50 m elev., on branch of Cinnamomum camphora, 2015.12, coll. H.Yoshikawa et al. no. 1191 (CBM-FL-101507); on branch of Cryptomeria japonica, 2015.12, coll. A.Sakata et al. no. 3821 (CBM-FL-101445); 95 m elev., on branches of deciduous hardwood, 2015.12, coll. H.Harada et al. no. 31029 (CBM-FL-101390); on trunk of deciduous hardwood, 2015.12, coll. A.Sakata et al. no. 3826 (CBM-FL-101449). <52395659>, 鋸南町, 110 m elev., on rock, 2012.02, coll. T.Kawana no. 12021203 (CBM-FL-100495); 150 m elev., on rock, 2011.10, coll.

T.Kawana no. 11101423 (CBM-FL-100484). <52395686>, 鋸南町, 50 m elev., on bark, 1989.06, coll. H.Harada no. 9345 (CBM-FL-386); 100 m elev., on bark of deciduous hardwood, 1989.06, coll. H.Harada no. 9336 (CBM-FL-377); 130 m elev., on rock, 2012.11, coll. T.Kawana no. 12112131 (CBM-FL-35351). <千葉メッシュ 6619/ 52395689>, 富津市, 50 m elev., on tree trunk, 1997.07, coll. T.Kawana no. 97072511 (CBM-FL-9131). <52395695>, 富津市, 30 m elev., on tombstone, 1997.05, coll. T.Kawana no. 97052412a (CBM-FL-9023). <52395696>, 富津市, 20 m elev., on bark of deciduous hardwood, 1989.06, coll. H.Harada no. 9299 (CBM-FL-340). <52395697>, 鋸南町, 250 m elev., on rocks, 1988.10, coll. H.Harada no. 9156 (CBM-FL-224). <52395715>, 南房総市, 100 m elev., on rocks, 2000.01, coll. T.Kawana no. 12210 (CBM-FL-12602). <52395723>, 南房総市, 67 m elev., on trunk of *Cryptomeria japonica*, 2015.12, coll. A.Sakata et al. no. 3863 (CBM-FL-101470); 67 m elev., on trunk of *Cryptomeria japonica*, 2015.12, coll. A.Sakata et al. no. 3869 (CBM-FL-101476); 100 m elev., on branch of *Prunus mume*, 2015.12, coll. A.Sakata et al. no. 3833 (CBM-FL-101450); 170 m elev., on branch of *Quercus serrata*, 2015.12, coll. H.Yoshikawa et al. no. 1205 (CBM-FL-101519); 250 m elev., on branch of *Pittosporum tobira*, 2015.12, coll. H.Yoshikawa et al. no. 1209 (CBM-FL-101523); 330 m elev., on trunk of *Ligustrum obtusifolium*, 2015.12, coll. A.Sakata et al. no. 3861 (CBM-FL-101468). <52395741>, 鋸南町, 50 m elev., on trunk of *Celtis sinensis* var. *japonica*, 2002.02, coll. T.Kawana no. 2022805 (CBM-FL-14353) & 2022806 (CBM-FL-14354). <千葉メッシュ 6757/ 52395747>, 鴨川市, 100 m elev., on stone lantern, 1999.08, coll. T.Kawana no. 99081801 (CBM-FL-13404) & 99081805 (CBM-FL-13407); 130 m elev., on trunk of *Machilus thunbergii*, 1999.10, coll. T.Kawana no. 99101608b (CBM-FL-12404). <千葉メッシュ 6733/ 52395763>, 富津市, 160 m elev., on tree trunk, 1995.12, coll. T.Kawana no. 95122108 (CBM-FL-9082). <52395770>, 鋸南町, 60 m elev., on bark of *Prunus mume*, 1996.08, coll. T.Kawana no. 96080406 (CBM-FL-9078). <52395773>, 富津市, 160 m elev., on stone lantern, 1995.12, coll. T.Kawana no. 95121909 (CBM-FL-8379); 180 m elev., on trunk of *Alnus japonica*, 2002.01, coll. T.Kawana no. 2011708 (CBM-FL-13862). <千葉メッシュ 6726/ 52395776>, 鴨川市, 110 m elev., on trunk of *Clerodendrum trichotomum*, 1999.11, coll. T.Kawana no. 99110714 (CBM-FL-12433); on trunk of *Rhus javanica* var. *roxburghii*, 1999.11, coll. T.Kawana no. 99110709 (CBM-FL-12431). <52395783>, 富津市, 90 m elev., on trunk of *Cerasus* sp., 2020.03, coll. A.Sakata & H.Harada no. 5711 (CBM-FL-41464). <千葉メッシュ 6713/ 52395783>, 富津市, 100 m elev., on trunk of willow, 1996.03, coll. T.Kawana no. 96031002 (CBM-FL-8372). <52395796>, 富津市, 130 m elev., on trunk of *Diospyros kaki*, 1997.12, coll. H.Harada no. 18644 (CBM-FL-10700); 135 m elev., on trunk of *Ginkgo biloba*, 2020.03, coll. A.Sakata & H.Harada no. 5724 (CBM-FL-205781); 140 m elev., on trunk of *Prunus mume*, 2001.01, coll. H.Harada no. 19542 (CBM-FL-14001). <千葉メッシュ 6706/ 52395796>, 富津市, 130 m elev., on trunk of *Prunus* sp., 1998.02, coll. T.Kawana no. 98022804 (CBM-FL-11068); 130 m elev., on trunk of *Prunus* sp., 1998.02, coll. T.Kawana no. 98022801b (CBM-FL-11065); 170 m elev., on trunk of *Prunus mume*, 1999.03, coll. T.Kawana no. 99032207 (CBM-FL-12167). <千葉メッシュ 6096/ 52396606>, 富津市, 20 m elev., on tree trunk, 2001.01, coll. T.Kawana no. 1011103 (CBM-FL-13482). <千葉メッシュ 6099/ 52396609>, 富津市, 80 m elev., on bark of deciduous hardwood, 1996.07, coll. T.Kawana no. 96071436 (CBM-FL-9103). <52396647>, 富津市, 50 m elev., on stone lantern, 1997.10, coll. T.Kawana no. 97101216 (CBM-FL-10769). <52396703>, 富津市, 100 m elev., on trunk of *Cryptomeria japonica*, 1995.12, coll. T.Kawana no. 95121504 (CBM-FL-8348). <千葉メッシュ 6194/ 52396704>, 富津市, 100 m elev., on trunk of *Swida controversa*, 1995.12, coll. T.Kawana no. 95121420 (CBM-FL-8346). <千葉メッシュ 6195/ 52396705>, 富津市, 100 m elev., on trunk of *Albizia julibrissin*, 1997.03, coll. T.Kawana no. 97032527 (CBM-FL-8989). <千葉メッシュ 6197/ 52396707>, 富津市, 100 m elev., on trunk of *Zelkova serrata*, 1999.02, coll. T.Kawana no. 99022703 (CBM-FL-12102). <52396708>, 富津市, 150 m elev., on branch of *Abies firma*, 1997.10, coll. H.Harada no. 18485 (CBM-FL-10400). <52396709>, 君津市, 250 m elev., on bark of deciduous hardwood, on ridge, 1994.03, coll. A.Matsushita no. 770 (CBM-FL-4831); in forest on ridge, 1993.10, coll. A.Matsushita no. 720 (CBM-FL-4686). <52396713>, 富津市, 100 m elev., on trunk of *Prunus mume*, 1995.12, coll. T.Kawana no. 95121302 (CBM-FL-8357) & 95121413 (CBM-FL-8342). <千葉メッシュ 6179/

52396729>, 富津市, 100 m elev., on trunk of *Xanthoxylum ailanthoides*, 2000.08, coll. T.Kawana no. 83012 (CBM-FL-14035). <52396749>, 君津市, 100 m elev., on trunk of *Prunus* sp., in valley along road, 2002.02, coll. T.Kawana no. 2022316 (CBM-FL-14410). <52396750>, 富津市, 40 m elev., on rocks, 1999.05, coll. T.Kawana no. 99052209 (CBM-FL-12333). <52396751>, 富津市, 15 m elev., on tombstone, 1998.11, coll. T.Kawana no. 98111502 (CBM-FL-12059). <千葉メッシュ 6146/ 52396756>, 富津市, 40 m elev., on trunk of *Castanea crenata*, 1997.03, coll. T.Kawana no. 97030913 (CBM-FL-8735); on trunk of *Quercus acutissima*, 1997.03, coll. T.Kawana no. 97030916 (CBM-FL-8737). <52396758>, 君津市・鴨川市, 250 m elev., on trunk of dead-standing *Prunus* × *yedoensis*, on mountain ridge, 2002.01, coll. T.Kawana no. 2010504 (CBM-FL-13679). <52396759>, 君津市, 80 m elev., on trunk of *Euptelea polyandra*, 2003.12, coll. T.Kawana no. 3120427 (CBM-FL-15722); on trunk of *Quercus serrata*, 2002.12, coll. T.Kawana no. 2120604 (CBM-FL-15151); 130 m elev., on trunk of *Prunus* sp., 2002.08, coll. T.Kawana no. 2081304 (CBM-FL-15225). <千葉メッシュ 6130/ 52396760>, 富津市, 20 m elev., on tombstone, 1997.03, coll. T.Kawana no. 97032014 (CBM-FL-8758). <千葉メッシュ 6133/ 52396763>, 富津市, 20 m elev., on tombstone, 1998.04, coll. T.Kawana no. 98042524 (CBM-FL-11207) & 98042525 (CBM-FL-11208). <千葉メッシュ 6139/ 52396769>, 君津市, 70 m elev., on trunk of *Cryptomeria japonica*, 2004.01, coll. T.Kawana no. 4012550 (CBM-FL-15691); on trunk of *Diospyros kaki*, 2004.01, coll. T.Kawana no. 4012540 (CBM-FL-15681); on trunk of *Prunus* sp., 2004.01, coll. T.Kawana no. 4012552 (CBM-FL-15693); on trunk of *Quercus glauca*, 2004.01, coll. T.Kawana no. 4012529 (CBM-FL-15671). <52396773>, 富津市, 60 m elev., on trunk of *Zelkova serrata*, 2000.05, coll. T.Kawana no. 51315 (CBM-FL-14290). <52396780>, 富津市, 20 m elev., on tombstone, 1999.02, coll. T.Kawana no. 99022106 (CBM-FL-12089). <52396784>, 富津市, 200 m elev., on trunk of *Prunus* sp., 2000.05, coll. T.Kawana no. 51305 (CBM-FL-14283). <52396787>, 富津市, 130 m elev., on trunk of *Ilex integra*, 1997.06, coll. T.Kawana no. 97061503 (CBM-FL-9052). <52396795>, 富津市, 280 m elev., on trunk of *Prunus* × *yedoensis*, 2001.01, coll. T.Kawana no. 1010902 (CBM-FL-13465). <52396769>, 富津市, 20 m elev., on tombstone, 1997.03, coll. T.Kawana no. 97031417 (CBM-FL-8983) & 97031418 (CBM-FL-8984). <千葉メッシュ 5596/ 52397706>, 富津市, 300 m elev., on trunk of *Prunus* sp., 2000.05, coll. T.Kawana no. 50602 (CBM-FL-13074). <52397711>, 富津市, 20 m elev., on tombstone, 1997.05, coll. T.Kawana no. 97052406b (CBM-FL-9085). <52397741>, 富津市, 30 m elev., on trunk of *Prunus* sp., 1997.03, coll. T.Kawana no. 97030403 (CBM-FL-8978). <52397762>, 君津市, 41 m elev., on tombstone, 2012.10, coll. T.Kawana no. 12102102 (CBM-FL-100480). <52397769>, 君津市, 60 m elev., on trunk of *Prunus mume*, 2012.12, coll. T.Kawana no. 2120244 (CBM-FL-35394). <52404072>, 南房総市, 26 m elev., on trunk of *Prunus* × *yedoensis*, 2016.12, coll. H.Yoshikawa no. 1695 (CBM-FL-102306). <52404076>, 鴨川市, 27 m elev., on rock, 2017.01, coll. H.Yoshikawa no. 1834 (CBM-FL-102376); H.Yoshikawa no. 1840 (CBM-FL-102380). <52405017>, 鴨川市, 99 m elev., on trunk of *Prunus* sp., 2016.02, coll. A.Sakata et al. no. 4041 (CBM-FL-101901). <52405020>, 鴨川市, 200 m elev., on branch of evergreen hardwood, 1996.05, coll. H.Harada no. 16237 (CBM-FL-7294); 215 m elev., on trunk of *Cryptomeria japonica*, 2016.02, coll. A.Sakata et al. no. 4057 (CBM-FL-101914). <52405045>, 鴨川市, 20 m elev., on trunk of *Ilex integra*, 1999.12, coll. T.Kawana no. 99121905 (CBM-FL-12502) & 99121916 (CBM-FL-12511). <52405081>, 君津市, 340 m elev., on branch of *Castanopsis sieboldii*, 2017.01, coll. H.Yoshikawa no. 1842 (CBM-FL-102382). <千葉メッシュ 6811/ 52405081>, 君津市, 220 m elev., on trunk of *Quercus serrata*, 2002.12, coll. T.Kawana no. 2121901 (CBM-FL-15189). <52405162>, 鴨川市, 80 m elev., on tombstone, 1999.03, coll. T.Kawana no. 99030724 (CBM-FL-12153). <52405181>, 鴨川市, 250 m elev., at bare root of *Castanopsis sieboldii*, 2015.03, coll. H.Izumi no. 1274 (CBM-FL-200742); on branch of evergreen hardwood, 2015.03, coll. H.Yoshikawa no. 961 (CBM-FL-200691); 310 m elev., on branch of *Quercus acuta*, 2014.01, coll. H.Izumi no. 968 (CBM-FL-37364). <52405182>, 鴨川市, 130 m elev., on trunk of deciduous hardwood, in forested gorge, 2012.01, coll. H.Yoshikawa no. 49 (CBM-FL-33266). <52405189>, 勝浦市, 100 m elev., on stone-walls, 2000.03, coll. T.Kawana no. 31204 (CBM-FL-12901). <52405190>, 鴨川市, 260 m elev., on branch of *Abies*

firma, 2014.03, coll. H.Yoshikawa no. 697 (CBM-FL-37471); 280 m elev., on trunk of *Quercus glauca*, 2012.02, coll. H.Izumi no. 708 (CBM-FL-33758). <52405191>, 鴨川市, 260 m elev., on branch of *Abies firma*, 2013.01, coll. A.Sakata no. 1387 (CBM-FL-35609); 265 m elev., on branch of deciduous hardwood, 2013.01, coll. H.Izumi no. 821 (CBM-FL-35048); on twig of *Abies firma*, 2013.01, coll. H.Yoshikawa no. 293 (CBM-FL-35080); 275 m elev., on branch of *Abies firma*, 2013.01, coll. H.Izumi no. 790 (CBM-FL-35017); on branch of deciduous hardwood, 2013.01, coll. H.Yoshikawa no. 276 (CBM-FL-35063); 2014.03, coll. H.Yoshikawa no. 695 (CBM-FL-37469); on branch of *Quercus glauca*, 2014.03, coll. H.Yoshikawa no. 690 (CBM-FL-37464); on branches of *Quercus acuta*, 2014.03, coll. H.Harada no. 28908 (CBM-FL-37392); 280 m elev., on branch of *Cryptomeria japonica*, 2014.01, coll. A.Sakata no. 2395 (CBM-FL-37149); H.Yoshikawa no. 630 (CBM-FL-37262) & 633 (CBM-FL-37265); on trunk of *Quercus glauca*, 2012.01, coll. H.Yoshikawa no. 6 (CBM-FL-33224); on twigs of *Cryptomeria japonica*, 2014.01, coll. H.Izumi no. 923 (CBM-FL-37319); 300 m elev., on trunk of *Quercus acuta*, 2014.01, coll. A.Sakata no. 2454 (CBM-FL-37208); H.Izumi no. 946 (CBM-FL-37342); 310 m elev., on twigs of *Abies firma*, 2014.01, coll. H.Harada no. 28811 (CBM-FL-37061); on twigs of *Torreya nucifera*, 2014.01, coll. H.Izumi no. 932 (CBM-FL-37328); 325 m elev., on branch, 2013.01, coll. H.Yoshikawa no. 290 (CBM-FL-35077); 330 m elev., on bough of *Abies firma*, 2014.01, coll. H.Izumi no. 951 (CBM-FL-37347); 350 m elev., on branch of *Quercus acuta*, 2014.01, coll. H.Harada no. 28837 (CBM-FL-37087). <52405192>, 鴨川市, 360 m elev., on trunk of *Quercus acuta*, around a forested peak, 2016.02, coll. A.Sakata no. 4077 (CBM-FL-202002); H.Yoshikawa no. 1333 (CBM-FL-202084). <52405194>, 鴨川市, 135 m elev., on trunk of deciduous hardwood, 2017.01, coll. A.Sakata et al. no. 4909 (CBM-FL-102269). <52405195>, 鴨川市, 80 m elev., on twig of *Rhododendron* sp., 2017.01, coll. A.Sakata et al. no. 4895 (CBM-FL-102255). <52406000>, 君津市, 170 m elev., on bark of *Castanopsis cuspidata*, 1993.08, coll. A.Matsushita no. 662 (CBM-FL-4178). <千葉メッシュ 6281/ 52406011>, 君津市, 160 m elev., on roof of a lodge, 1999.05, coll. T.Kawana no. 99050905 (CBM-FL-12322). <52406017>, 君津市, 290 m elev., on trunk of *Quercus salicina*, on forested ridge, 2014.12, coll. H.Izumi no. 1090 (CBM-FL-37813). <52406018>, 君津市, 270 m elev., on trunk of *Quercus glauca*, 2012.12, coll. H.Izumi no. 745 (CBM-FL-34717); 280 m elev., on branch of *Abies firma*, 2012.12, coll. H.Izumi no. 724 (CBM-FL-34697); 290 m elev., on trunk of *Quercus glauca*, 2012.12, coll. H.Izumi no. 733 (CBM-FL-34706); 300 m elev., on branch, 2012.12, coll. H.Izumi no. 722 (CBM-FL-34695); on branch of *Castanopsis sieboldii*, 2012.12, coll. H.Yoshikawa no. 140 (CBM-FL-34615); H.Izumi no. 716 (CBM-FL-34689); on twig of ever-green hardwood, 2012.12, coll. A.Sakata no. 1242 (CBM-FL-34522). <52406019>, 君津市, 270 m elev., on stem of *Wisteria floribunda*, 2012.12, coll. H.Izumi no. 751 (CBM-FL-34723); 330 m elev., on rock, 2012.02, coll. H.Izumi no. 692 (CBM-FL-33742); on trunk of *Castanopsis sieboldii*, 2012.02, coll. H.Yoshikawa no. 99 (CBM-FL-33664). <52406027>, 君津市, 275 m elev., on trunk of *Abies firma*, on forested ridge, 2014.12, coll. H.Yoshikawa no. 773 (CBM-FL-37876); 320 m elev., on branch of deciduous hardwood, on forested ridge, 2014.12, coll. H.Yoshikawa no. 759 (CBM-FL-37862); on branch of *Quercus acuta*, on forested ridge, 2014.12, coll. H.Izumi no. 1073 (CBM-FL-37796). <52406028>, 君津市, 170 m elev., on branch of *Cryptomeria japonica*, 2012.12, coll. H.Yoshikawa no. 199 (CBM-FL-34674); 170 m elev., on trunk of deciduous hardwood, 2012.12, coll. H.Izumi no. 771 (CBM-FL-34743); 200 m elev., on branch of *Cryptomeria japonica*, 2012.12, coll. A.Sakata no. 1289 (CBM-FL-34569); A.Sakata no. 1292 (CBM-FL-34572); H.Izumi no. 760 (CBM-FL-34732); H.Yoshikawa no. 172 (CBM-FL-34647) & 174 (CBM-FL-34649) & 175 (CBM-FL-34650) & 179 (CBM-FL-34654) & 181 (CBM-FL-34656); on branch of deciduous hardwood, 2012.12, coll. H.Yoshikawa no. 184 (CBM-FL-34659) & 188 (CBM-FL-34663); on twig of *Cryptomeria japonica*, 2012.12, coll. H.Yoshikawa no. 178 (CBM-FL-34653); 260 m elev., on branch of *Abies firma*, 2011.02, coll. A.Sakata no. 303 (CBM-FL-30441); H.Izumi no. 530 (CBM-FL-30488); 275 m elev., on branch of *Abies firma*, 2014.03, coll. H.Yoshikawa no. 704 (CBM-FL-37478); on branch of *Quercus acuta*, 2014.03, coll. H.Izumi no. 982 (CBM-FL-37555); 280 m elev., on bark of *Abies firma*, 2012.12, coll. H.Yoshikawa no. 151 (CBM-FL-34626) & 152 (CBM-FL-34627); on branch of *Abies firma*, 2012.12, coll. H.Izumi no. 736

(CBM-FL-34709); 300 m elev., on branch of *Abies firma*, on forested ridge, 2014.12, coll. H.Yoshikawa no. 764 (CBM-FL-37867). <52406029>, 鴨川市, 315 m elev., on trunk of *Quercus acuta*, 2013.12, coll. H.Izumi no. 860 (CBM-FL-36957); 君津市, 300 m elev., on trunk of hardwood, 2013.12, coll. H.Izumi no. 869 (CBM-FL-36966); 君津市・鴨川市, 310 m elev., on trunk of *Dendropanax trifidus*, 2012.12, coll. H.Izumi no. 784 (CBM-FL-34756); on trunk of *Quercus glauca*, 2012.12, coll. H.Harada no. 27811 (CBM-FL-34499); on trunk of *Quercus salicina*, 2012.12, coll. H.Izumi no. 787 (CBM-FL-34759) & 789 (CBM-FL-34761). <52406031>, 君津市, 140 m elev., on trunk of *Prunus × yedoensis*, 2002.02, coll. T.Kawana no. 2022609 (CBM-FL-14374). <52406035>, 君津市, 130 m elev., on twig of *Rhododendron*, 2016.02, coll. H.Yoshikawa et al. no. 1312b (CBM-FL-102021); 185 m elev., on trunk of *Prunus* sp., 2016.02, coll. A.Sakata et al. no. 4013 (CBM-FL-101878); on trunk of *Quercus serrata*, 2016.02, coll. A.Sakata et al. no. 4005 (CBM-FL-101870). <52406036>, 君津市, 125 m elev., on trunk of *Prunus* sp., 2016.02, coll. H.Yoshikawa et al. no. 1314 (CBM-FL-101929). <52406037>, 君津市, 260 m elev., on trunk of *Abies firma*, on forested ridge, 2016.03, coll. H.Izumi no. 1542 (CBM-FL-202368). <52406038>, 君津市, 145 m elev., on branch of *orixa japonica*, 2012.02, coll. H.Yoshikawa no. 86 (CBM-FL-33651); on branch of tree, 2012.02, coll. H.Izumi no. 671 (CBM-FL-33721); 160 m elev., on trunk of *Acer* sp., 2014.03, coll. A.Sakata no. 2552 (CBM-FL-37534); 180 m elev., on branch of *Cryptomeria japonica*, 2012.02, coll. H.Izumi no. 653 (CBM-FL-33703); 195 m elev., on branch of deciduous tree, 2012.02, coll. H.Yoshikawa no. 66 (CBM-FL-33631); on trunk of *Prunus* sp., 2012.02, coll. H.Harada no. 27140 (CBM-FL-33378); 220 m elev., on branches of tree, 2017.03, coll. H.Harada no. 31909 (CBM-FL-203633); on trunk of *Thuja orientalis*, 2012.01, coll. H.Yoshikawa no. 32 (CBM-FL-33249); 268 m elev., on branch of *Prunus* sp., 2016.03, coll. H.Yoshikawa no. 1405 (CBM-FL-202329); 275 m elev., on trunk of *Castanopsis sieboldii*, 2016.03, coll. H.Yoshikawa no. 1415 (CBM-FL-202339); 290 m elev., on trunk of *Abies firma*, on forested ridge, 2016.03, coll. A.Sakata no. 4167 (CBM-FL-202260). <52406039>, 君津市, 270 m elev., on twigs of *Cryptomeria japonica*, 2013.12, coll. H.Izumi no. 912 (CBM-FL-37009); 270 m elev., on twigs of *Quercus acuta*, 2013.12, coll. H.Izumi no. 908 (CBM-FL-37005); 280 m elev., on trunk of *Abies firma*, 2013.12, coll. H.Yoshikawa no. 606 (CBM-FL-36939); on trunk of *Castanopsis sieboldii*, 2013.12, coll. H.Harada no. 28760 (CBM-FL-36806); on trunk of *Quercus acuta*, 2013.12, coll. H.Izumi no. 899 (CBM-FL-36996) & 901 (CBM-FL-36998); on twigs of *Abies firma*, 2013.12, coll. H.Izumi no. 873 (CBM-FL-36970); 300 m elev., on bough of *Abies firma*, 2013.12, coll. H.Yoshikawa no. 594 (CBM-FL-36927); on twigs of *Cinnamomum japonicum*, 2013.12, coll. H.Izumi no. 891 (CBM-FL-36988). <52406040>, 君津市, 180 m elev., on trunk of *Euptelea polyandra*, 2003.06, coll. T.Kawana no. 3060327 (CBM-FL-15122); on trunk of *Mallotus japonicus*, 2003.06, coll. T.Kawana no. 3060314 (CBM-FL-15111) & 3060324 (CBM-FL-15120). <52406041>, 君津市, 100 m elev., on trunk of *Prunus mume*, 2002.02, coll. T.Kawana no. 2022628 (CBM-FL-14393); on trunk of *Quercus acutissima*, 2002.02, coll. T.Kawana no. 2022626 (CBM-FL-14391). <52406047>, 君津市, 250 m elev., on trunk of *Quercus acuta*, on forested ridge, 2016.03, coll. H.Izumi no. 1530 (CBM-FL-202356); on twigs of *Abies firma*, on forested ridge, 2016.03, coll. H.Harada no. 31297 (CBM-FL-202158); on twigs of *Abies firma*, 2016.03, coll. H.Yoshikawa no. 1424 (CBM-FL-202348). <52406048>, 君津市, 130 m elev., on branch of *Cryptomeria japonica*, 2012.02, coll. H.Izumi no. 684 (CBM-FL-33734). <52406050>, 君津市, 140 m elev., on trunk of *Prunus × yedoensis*, 2000.02, coll. T.Kawana no. 20407 (CBM-FL-12693) & 20410 (CBM-FL-12696). <52406051>, 君津市, 90 m elev., on trunk of *Zelkova serrata*, 2002.03, coll. T.Kawana no. 2030808 (CBM-FL-14450). <52406052>, 君津市, 90 m elev., on tombstone, 2002.07, coll. T.Kawana no. 2070205 (CBM-FL-15209). <52406061>, 君津市, 70 m elev., on trunk of *Quercus acutissima*, 2003.02, coll. T.Kawana no. 3020435 (CBM-FL-15238); 89 m elev., on trunk of *Prunus × yedoensis*, 2018.05, coll. K.Ozaki no. 18051802 (CBM-FL-103148). <52406066>, 君津市, 88 m elev., on trunk of *Prunus* sp., 2014.10, coll. H.Izumi no. 1038 (CBM-FL-100788); 95 m elev., on branch of *Cryptomeria japonica*, 2014.10, coll. H.Izumi no. 1037 (CBM-FL-100787); 120 m elev., on painted steel guardrail, 2012.12, coll. T.Kawana no. 12120401 (CBM-FL-35400). <52406070>, 君津市, 60

m elev., on trunk of *Prunus mume*, 2000.02, coll. T.Kawana no. 22503 (CBM-FL-12798). <千葉メッシュ 6221/ 52406071>, 富津市, 80 m elev., on trunk of *Zelkova serrata*, 2003.01, coll. T.Kawana no. 3012110 (CBM-FL-15074). <52406077>, 君津市, 89 m elev., on twigs of *Rhododendron* sp., 2014.10, coll. H.Izumi no. 1022b (CBM-FL-101090); on twigs of *Taxodium distichum*, 2014.10, coll. H.Izumi no. 1015 (CBM-FL-100765). <千葉メッシュ 6204/ 52406094>, 君津市, 60 m elev., on trunk of *Zelkova serrata*, 2000.08, coll. T.Kawana no. 80103 (CBM-FL-14272). <52406099>, 市原市, 200 m elev., on trunk of *Quercus serrata*, 1991.04, coll. H.Harada no. 11659 (CBM-FL-3557). <52406101>, 鴨川市, 230 m elev., on branch, 2013.01, coll. H.Izumi no. 854 (CBM-FL-35311); on branch of *Cryptomeria japonica*, 2013.01, coll. H.Yoshikawa no. 336 (CBM-FL-35280); 235 m elev., on branch of *Cryptomeria japonica*, 2013.01, coll. H.Yoshikawa no. 306 (CBM-FL-35250); 250 m elev., on branch of *Pinus parviflora*, 2019.02, coll. M.Suzuki no. 190222-03 (CBM-FL-205483); 260 m elev., 2017.03, coll. E.Kato no. 17033103 (CBM-FL-102590); 290 m elev., on branch of *Abies firma*, 2013.01, coll. H.Yoshikawa no. 281 (CBM-FL-35068); on trunk of deciduous hardwood, 2013.01, coll. H.Izumi no. 809 (CBM-FL-35036); 320 m elev., on trunk of *Quercus glauca*, 2013.01, coll. H.Harada no. 28149 (CBM-FL-35144); H.Izumi no. 843 (CBM-FL-35300). <52406102>, 鴨川市, 330 m elev., on branch, 2013.01, coll. H.Izumi no. 841 (CBM-FL-35298); on trunk of tree, 2013.01, coll. H.Yoshikawa no. 313 (CBM-FL-35257); on trunk of deciduous hardwood, on forested ridge, 2016.02, coll. H.Yoshikawa no. 1346 (CBM-FL-202097); on trunk of *Quercus acuta*, on forested ridge, 2016.02, coll. A.Sakata no. 4088 (CBM-FL-202013); 340 m elev., on branch, around the forested peak, 2016.02, coll. H.Yoshikawa no. 1352 (CBM-FL-202103). <52406103>, 鴨川市, 280 m elev., on rock, along a forestry road, 2016.02, coll. H.Harada no. 31280 (CBM-FL-201982); on trunk of *Castanopsis sieboldii*, 2011.02, coll. H.Izumi no. 509 (CBM-FL-30465); on trunk of *Quercus sessilifolia*, 2011.02, coll. H.Izumi no. 503 (CBM-FL-30459). <52406104>, 鴨川市, 235 m elev., on trunk of *Deutzia crenata*, 2017.01, coll. A.Sakata et al. no. 4924 (CBM-FL-102281); on trunk of *Quercus salicina*, 2017.01, coll. A.Sakata et al. no. 4932 (CBM-FL-102286). <52406112>, 君津市, 300 m elev., on bark, 2015.01, coll. H.Yoshikawa no. 876 (CBM-FL-200381); 300 m elev., on branch of *Abies firma*, 2015.01, coll. H.Yoshikawa no. 865 (CBM-FL-200370); 305 m elev., on branch of *Abies firma*, 2015.01, coll. H.Yoshikawa no. 877 (CBM-FL-200382); on branch of *Abies firma*, 2015.01, coll. H.Yoshikawa no. 878 (CBM-FL-200383); 320 m elev., on branch of *Quercus acuta*, 2015.01, coll. H.Izumi no. 1169 (CBM-FL-200256). <52406121>, 君津市, 260 m elev., on rock cliff, 2015.01, coll. A.Sakata no. 2715 (CBM-FL-201692); on trunk of *Quercus acuta*, 2015.01, coll. H.Yoshikawa no. 902 (CBM-FL-200405) & 903 (CBM-FL-200406); 305 m elev., on trunk of *Mallotus japonicus*, 2015.01, coll. H.Izumi no. 1203 (CBM-FL-200359). <52406122>, 君津市, 280 m elev., on branch of *Quercus acuta*, 2015.01, coll. H.Izumi no. 1164 (CBM-FL-200251); 290 m elev., on branch of *Abies firma*, 2015.01, coll. H.Yoshikawa no. 860 (CBM-FL-200225); on branch of *Quercus acuta*, 2015.01, coll. H.Izumi no. 1157 (CBM-FL-200244); 340 m elev., on branch of deciduous hardwood, 2015.01, coll. H.Yoshikawa no. 838 (CBM-FL-200203) & 844 (CBM-FL-200209) & 842b (CBM-FL-203350). <52406130>, 君津市, 240 m elev., on trunk of *Castanopsis sieboldii*, 2013.12, coll. H.Harada no. 28728 (CBM-FL-36774); on twig of evergreen hardwood, 2013.12, coll. H.Yoshikawa no. 588 (CBM-FL-36921). <52406131>, 君津市, 170 m elev., on branch of *Pinus thunbergii*, 2015.12, coll. H.Yoshikawa no. 1099 (CBM-FL-201409); 200 m elev., on branch of deciduous hardwood, 2015.12, coll. H.Izumi no. 1369 (CBM-FL-201452); on branch of *Prunus* sp., 2015.12, coll. H.Yoshikawa no. 1110 (CBM-FL-201420); 220 m elev., on trunk of *Castanopsis sieboldii*, 2015.12, coll. H.Izumi no. 1376 (CBM-FL-201459). <52406137>, 大多喜町, 200 m elev., on trunk of *Mallotus japonicus*, 2000.03, coll. T.Kawana no. 32023 (CBM-FL-12996). <52406141>, 君津市, 125 m elev., on bark, 2015.03, coll. H.Yoshikawa no. 990-a (CBM-FL-200718); 130 m elev., on branch of *Quercus serrata*, 2015.03, coll. H.Yoshikawa no. 1003 (CBM-FL-200732); on trunk of deciduous hardwood, 2015.03, coll. A.Sakata no. 3440 (CBM-FL-200681); 200 m elev., on branch of *Abies firma*, 2015.02, coll. H.Yoshikawa no. 950-d (CBM-FL-203367); on branch of *Cercidiphyllum japonicum*, 2014.12, coll. A.Sakata no. 2805 (CBM-FL-37937); on branch of deciduous hardwood, 2014.12, coll. H.Izumi no. 1133 (CBM-

FL-32791); H.Yoshikawa no. 818 (CBM-FL-38064) & 823 (CBM-FL-38069); on twigs of *Abies firma*, 2015.02, coll. H.Yoshikawa no. 946 (CBM-FL-200520); 220 m elev., on branch of deciduous hardwood, 2015.02, coll. H.Yoshikawa no. 905 (CBM-FL-200479) & 907 (CBM-FL-200481); 230 m elev., on branch of *Clethra barbinervis*, 2014.12, coll. H.Yoshikawa no. 833 (CBM-FL-38079); on branch of deciduous hardwood, 2015.02, coll. H.Yoshikawa no. 918 (CBM-FL-200492); on trunk of deciduous hardwood, 2014.12, coll. H.Yoshikawa no. 835 (CBM-FL-38081); on trunk of *Quercus acuta*, 2015.02, coll. H.Harada no. 30551 (CBM-FL-200455); 280 m elev., on branch of *Abies firma*, 2014.12, coll. H.Izumi no. 1115 (CBM-FL-32772); H.Yoshikawa no. 790 (CBM-FL-38036); on branch of deciduous hardwood, 2014.12, coll. A.Sakata no. 2691 (CBM-FL-37923). <52406181>, 市原市, 200 m elev., on soil, 1991.04, coll. H.Harada no. 11669 (CBM-FL-3567). <52406191>, 市原市, 150 m elev., on trunk of *Prunus* sp., 1991.08, coll. M.Ishibashi no. 96 (CBM-FL-3490). <52406227>, 御宿町, 10 m elev., on dead-standing tree trunk, 1994.09, coll. A.Matsuda no. 798 (CBM-FL-6397); on tombstones, 1994.09, coll. A.Matsuda no. 820 (CBM-FL-6419). <52406229>, 御宿町, 16 m elev., on stone work, 2017.01, coll. H.Yoshikawa et al no. 1910 (CBM-FL-102477); 18 m elev., on trunk of *Zelkova serrata*, 2017.01, coll. H.Yoshikawa no. 1811 (CBM-FL-102362); 47 m elev., on branch of *Ginkgo biloba*, 2017.01, coll. H.Yoshikawa et al no. 1916 (CBM-FL-102480). <52406238>, 御宿町, 45 m elev., on trunk of cherry tree, 2017.01, coll. H.Izumi et al. no. 1803 (CBM-FL-102454); on trunk of *Prunus × yedoensis*, 2017.01, coll. H.Yoshikawa et al no. 1934 (CBM-FL-102487). <52406248>, 御宿町, 30 m elev., on branch of *Amygdalus persica*, 2017.01, coll. H.Yoshikawa et al no. 1881-d (CBM-FL-103092); 35 m elev., on trunk of *Prunus mume*, 2017.01, coll. H.Yoshikawa no. 1815 (CBM-FL-102365). <52406251>, 勝浦市, 84 m elev., on twig of *Rhododendron* sp., 2021.04, coll. A.Sakata & H.Harada no. 5992 (CBM-FL-103613) & 6023b (CBM-FL-103621). <52406270>, 大多喜町, 59 m elev., on branch of *Prunus* sp., 2021.04, coll. A.Sakata & H.Harada no. 6036c (CBM-FL-206294). <52407000>, 君津市, 67 m elev., on trunk of *Prunus* sp., 2012.11, coll. T.Kawana no. 12111910 (CBM-FL-35324); 70 m elev., on trunk of *Prunus* sp., 2012.11, coll. T.Kawana no. 12111901 (CBM-FL-35315). <52407003>, 君津市, 75 m elev., on rock, 2012.12, coll. T.Kawana no. 12122823 (CBM-FL-35425); on twigs of *Rhododendron indicum*, 2012.12, coll. T.Kawana no. 12122826 (CBM-FL-35428) & 12122827 (CBM-FL-35429). <52407009>, 市原市, 260 m elev., on trunk of evergreen hardwood, 1991.06, coll. H.Harada no. 11853 (CBM-FL-3589). <52407042>, 君津市, 237 m elev., on trunk of *Prunus* sp., 2012.12, coll. T.Kawana no. 12122803 (CBM-FL-35408). <52407051>, 君津市, 190 m elev., on trunk of *Prunus* sp., 2012.12, coll. T.Kawana no. 12120205 (CBM-FL-35364). <52407069>, 市原市, 85 m elev., on branch of *Castanopsis sieboldii*, 2015.12, coll. H.Yoshikawa et al. no. 1145 (CBM-FL-101308); on trunk of *Alnus japonica*, 2015.12, coll. H.Yoshikawa et al. no. 1148 (CBM-FL-101311); 90 m elev., on trunk of *Acer palmatum*, 2015.12, coll. H.Yoshikawa et al. no. 1152 (CBM-FL-101315). <52407070>, 君津市, 70 m elev., on trunk of *Prunus* sp., 2012.11, coll. T.Kawana no. 19111931 (CBM-FL-35347). <52407101>, 市原市, 200 m elev., on trunk of *Quercus serrata*, 1992.08, coll. M.Ishibashi no. 168 (CBM-FL-3512). <52407102>, 市原市, 100 m elev., on trunk of *Prunus* sp., 1991.07, coll. H.Harada no. 11890 (CBM-FL-3628); 120 m elev., on bark of deciduous hardwood, 1989.04, coll. H.Harada no. 9189 (CBM-FL-241). <52407121>, 市原市, 80 m elev., on trunk of conifer, *Cryptomeria japonica*, 1991.07, coll. M.Ishibashi no. 40 (CBM-FL-3437); on trunk of *Cryptomeria japonica*, 1991.07, coll. H.Harada no. 11894 (CBM-FL-3632). <52407130>, 市原市, 100 m elev., on trunk of *Prunus mume*, 1991.06, coll. H.Harada no. 11877 (CBM-FL-3614). <52407141>, 市原市, 70 m elev., on trunk of *Zelkova serrata*, 1992.12, coll. H.Harada no. 13347 (CBM-FL-3730). <52407149>, 大多喜町, 72 m elev., on trunk of *Prunus × yedoensis*, 2015.12, coll. H.Izumi & H.Harada no. 1475 (CBM-FL-101564). <52407160>, 市原市, 65 m elev., on shrub, *Rhododendron* sp., 2015.12, coll. H.Yoshikawa et al. no. 1162b (CBM-FL-102020); on trunk of *Prunus × yedoensis*, 2015.12, coll. H.Yoshikawa et al. no. 1158 (CBM-FL-101320); 71 m elev., on trunk of *Quercus glauca*, 2015.12, coll. A.Sakata et al. no. 3763 (CBM-FL-101243); 80 m elev., on trunk of deciduous hardwood, 2015.12, coll. A.Sakata et al. no. 3757 (CBM-FL-101238); on trunk of *Prunus × yedoensis*, 2015.12, coll. A.Sakata et al. no. 3750 (CBM-FL-101231).

<52407255>, いすみ市, 15 m elev., on trunk of *Castanea crenata*, 2015.08, coll. H.Yoshikawa no. 1010 (CBM-FL-100984). <52407256>, いすみ市, 15 m elev., on trunk of *Albizia julibrissin*, 2012.12, coll. H.Harada no. 27870 (CBM-FL-100061); 24 m elev., on trunk of *Prunus* sp., 2018.01, coll. H.Izumi no. 2118 (CBM-FL-103102). <52407273>, いすみ市, 35 m elev., on trunk of *Prunus mume*, 2016.06, coll. H.Yoshikawa et al. no. 1435 (CBM-FL-102060). <53395759>, 松戸市, 30 m elev., on trunk of *Prunus* sp., 2014.01, coll. A.Sakata no. 2371 (CBM-FL-100729) & 2375 (CBM-FL-100733). <53395793>, 松戸市, 4 m elev., on trunk of *Prunus* sp., 2015.10, coll. A.Sakata no. 3597 (CBM-FL-101077). <53395794>, 松戸市, 23 m elev., on trunk of *Prunus* sp., 2017.03, coll. A.Sakata no. 4973 (CBM-FL-102529). <53397702>, 野田市, 20 m elev., on trunk of *Prunus* sp., 2016.01, coll. A.Sakata & H.Harada no. 3955 (CBM-FL-101797). <千葉メッシュ 4970/53400020>, 袖ヶ浦市, 50 m elev., on trunk of *Castanea crenata*, 1996.09, coll. T.Kawana no. 96093032 (CBM-FL-8033). <53400021>, 袖ヶ浦市, 60 m elev., on bark of *Quercus serrata*, 1995.12, coll. H.Harada no. 15887 (CBM-FL-6480). <53400096>, 袖ヶ浦市, 60 m elev., on trunk of *Prunus* sp., 1995.12, coll. H.Harada no. 15905 (CBM-FL-6498). <53400147>, 長南町, 40 m elev., on stump, 2000.03, coll. T.Kawana no. 30546 (CBM-FL-12858). <53400149>, 長南町, 30 m elev., on trunk of *Lagerstroemia indica*, 2021.09, coll. A.Sakata no. 6073 (CBM-FL-41613); on trunk of *Prunus* sp., 2021.09, coll. A.Sakata no. 6055 (CBM-FL-41607). <53400155>, 市原市, 101 m elev., on bough of *Prunus × yedoensis*, 2015.10, coll. H.Yoshikawa no. 1020 (CBM-FL-101094). <53400159>, 長南町, 30 m elev., on trunk of *Prunus* sp., 2021.09, coll. A.Sakata no. 6085 (CBM-FL-103643). <53400167>, 長南町, 60 m elev., on rocks, at base of a stone monument, 1998.08, coll. T.Kawana no. 98080214 (CBM-FL-11429); on trunk of *Acer palmatum*, 1998.08, coll. T.Kawana no. 98080213 (CBM-FL-11428); on trunk of *Ilex latifolia*, 1998.08, coll. T.Kawana no. 98080215 (CBM-FL-11430). <千葉メッシュ 5025/ 53400175>, 長柄町, 50 m elev., on trunk of *Prunus mume*, 2000.02, coll. T.Kawana no. 22703 (CBM-FL-12804); on trunk of *Quercus serrata*, 2000.02, coll. T.Kawana no. 22710 (CBM-FL-12810). <53400201>, 睦沢町, 87 m elev., on trunk of cherry tree, 2016.06, coll. H.Yoshikawa et al. no. 1483 (CBM-FL-102101); on trunk of *Paulownia tomentosa*, 2016.06, coll. H.Izumi et al. no. 1623 (CBM-FL-102132); 95 m elev., on trunk of cherry tree, 2016.06, coll. H.Harada et al. no. 31624 (CBM-FL-102053) / : <53400205>, いすみ市, 79 m elev., on stone lantern, 2017.12, coll. H.Izumi no. 2111 (CBM-FL-103095). <千葉メッシュ 5173/ 53400223>, 睦沢町, 55 m elev., on trunk of *Cryptomeria japonica*, in forest, 1990.12, coll. H.Takamiya no. 90399 (CBM-FL-2656). <53400228>, 一宮町, 32 m elev., on branch of *Quercus acutissima*, 2017.01, coll. H.Yoshikawa no. 1786 (CBM-FL-40731). <53400229>, 一宮町, 12 m elev., on trunk of *Prunus × yedoensis*, 2015.12, coll. H.Izumi & H.Harada no. 1447 (CBM-FL-101537); 23 m elev., on trunk of *Prunus mume*, 2021.01, coll. A.Sakata no. 5824 (CBM-FL-103518). <千葉メッシュ 5155/ 53400245>, 睦沢町, 50 m elev., on trunk of *Cryptomeria japonica*, by road, 1991.08, coll. H.Takamiya no. 91052 (CBM-FL-2671). <53400248>, 一宮町, 13 m elev., on branch or turnk of tree, 2020.12, coll. A.Sakata no. 5819c (CBM-FL-103506). <53400272>, 茂原市, 19 m elev., on trunk of *Prunus* sp., 2019.03, coll. H.Izumi no. 2229 (CBM-FL-103264). <53400274>, 茂原市, 30 m elev., on trunk of *Eurya japonica*, 2019.03, coll. H.Izumi no. 2260 (CBM-FL-103286). <53400281>, 長南町, 28 m elev., on branch of *Pinus thunbergii*, 2021.02, coll. A.Sakata no. 5845 (CBM-FL-206158) & 5849 (CBM-FL-103534). <53400282>, 長南町, 44 m elev., on trunk of deciduous hardwood, 2021.02, coll. A.Sakata no. 5861a (CBM-FL-206169); on twigs of *Cryptomeria japonica*, 2021.02, coll. A.Sakata no. 5860-5. (CBM-FL-103552). <53400291>, 茂原市, 26 m elev., on trunk of *Cryptomeria japonica*, 2019.04, coll. H.Izumi no. 2347 (CBM-FL-103335). <53401054>, 市原市, 26 m elev., on trunk of *Cryptomeria japonica*, 2013.03, coll. A.Higashi no. 8 (CBM-FL-100436). <53401058>, 市原市, 15 m elev., on wooden boardwalk, 2013.01, coll. H.Yoshikawa no. 262 (CBM-FL-100215). <53401099>, 市原市, 31 m elev., on b ranch of *Quercus acutissima*, 2013.11, coll. H.Yoshikawa no. 545 (CBM-FL-100941). <53401166>, 長柄町, 81 m elev., on branch of *Cerasus* sp., 2013.04, coll. H.Yoshikawa no. 459 (CBM-FL-100880). <53401171>, 市原市, 65 m elev., on trunk of *Quercus acutissima*, 2013.03, coll. H.Yoshikawa no. 363 (CBM-FL-100243). <53401176>, 長柄町, 81 m elev., on wooden pole (lignus), 2013.04, coll. H.Yoshikawa

no. 451 (CBM-FL-100873). <53401179>, 長柄町, 70 m elev., on trunk of *Prunus*, 2012.06, coll. K.Mituhashi no. 2 (CBM-FL-100178). <53401207>, 長生村, 6 m elev., on trunk of *Prunus* sp., 2013.02, coll. H.Izumi no. 56 (CBM-FL-102680); on trunk of *Zelkova serrata*, 2013.02, coll. H.Izumi no. 60 (CBM-FL-102683) & 80 (CBM-FL-102698). <53401213>, 茂原市, 20 m elev., on trunk of *Prunus* sp., 2018.06, coll. H.Izumi no. 2162 (CBM-FL-103163). <53401220>, 茂原市, 26 m elev., on trunk of *Cryptomeria japonica*, 2019.11, coll. H.Izumi no. 2500 (CBM-FL-103491). <53401228>, 白子町, 4.8 m elev., on stone guardian dogs, 2016.12, coll. H.Yoshikawa & H.Izumi no. 1665 (CBM-FL-102411). <53401241>, 茂原市, 31 m elev., on twig of *Rhododendron indicum*, 2018.11, coll. H.Izumi no. 2195 (CBM-FL-103243). <53401251>, 茂原市, 59 m elev., on trunk of *Castanopsis sieboldii*, 2019.08, coll. H.Izumi no. 2465 (CBM-FL-103457). <53401252>, 茂原市, 14 m elev., on branch of *Quercus glauca*, 2020.12, coll. A.Sakata no. 5812c (CBM-FL-103509); 29 m elev., on trunk of *Prunus* sp., 2018.11, coll. H.Izumi no. 2210 (CBM-FL-103251). <53401259>, 白子町, 2.3 m elev., on trunk of *Podocarpus macrophyllus*, 2016.12, coll. H.Izumi & H.Yoshikawa no. 1726 (CBM-FL-102422). <53401263>, 茂原市, 24 m elev., on trunk of *Pinus*, 2019.08, coll. H.Izumi no. 2455 (CBM-FL-103449). <53401271>, 茂原市, 95 m elev., on branch of *Castanopsis sieboldii*, 2019.08, coll. H.Izumi no. 2417 (CBM-FL-103421). <53401273>, 茂原市, 26 m elev., on trunk of *Prunus* sp., 2019.04, coll. H.Izumi no. 2316 (CBM-FL-103304). <53401279>, 茂原市, 5 m elev., on trunk of *Ginkgo biloba*, 2019.06, coll. H.Izumi no. 2402 (CBM-FL-103383). <53401281>, 茂原市, 97 m elev., on stone monument, 2019.08, coll. H.Izumi no. 2429 (CBM-FL-103431); on trunk of *Prunus* sp., 2019.08, coll. H.Izumi no. 2424 (CBM-FL-103427). <53401292>, 茂原市, 23 m elev., on trunk of *Cercidiphyllum japonicum*, 2019.04, coll. H.Izumi no. 2306 (CBM-FL-103326). <53402039>, 市原市, 5 m elev., on trunk of deciduous hardwood, 2013.03, coll. H.Yoshikawa no. 389 (CBM-FL-100269). <53402124>, 市原市, 12 m elev., on trunk of *Cryptomeria japonica*, 2013.01, coll. H.Yoshikawa no. 239 (CBM-FL-100195). <53402133>, 市原市, 8 m elev., on trunk of *Acer* sp., 2013.11, coll. H.Yoshikawa no. 556 (CBM-FL-100953); 11 m elev., on trunk of *Prunus × yedoensis*, 2013.03, coll. H.Yoshikawa no. 417 (CBM-FL-100839); 36 m elev., on trunk of *Celtis sinensis* var. *japonica*, 2013.04, coll. H.Yoshikawa no. 428 (CBM-FL-100850). <53402134>, 市原市, 30 m elev., on trunk of *Quercus acutissima*, 2012.12, coll. H.Yoshikawa no. 217 (CBM-FL-100103); 35 m elev., on trunk of a cherry tree (*Prunus* sp.), 2016.12, coll. R.Nakanishi & Y.Hasegawa no. 4 (CBM-FL-102216). <53402145>, 市原市, 47 m elev., on twig of *Rhododendron* sp., 2013.02, coll. H.Yoshikawa no. 347 (CBM-FL-100228). <53402164>, 千葉市緑区, 23 m elev., on trunk of *Acer palmatum* var. *matsumurae*, 2013.11, coll. H.Yoshikawa no. 522 (CBM-FL-100918); on trunk of *Swida controversa*, 2013.11, coll. H.Yoshikawa no. 528 (CBM-FL-100924). <53402198>, 千葉市若葉区, 50 m elev., on trunk of a cherry tree, 1993.09, coll. H.Harada no. 13877 (CBM-FL-4517). <53402222>, 千葉市緑区, 90 m elev., on twigs of *Rhododendron* sp., beside a lawn, 1993.11, coll. H.Harada no. 14061 (CBM-FL-4748). <53402271>, 千葉市若葉区, 42 m elev., on trunk of *Zelkova serrata*, 2013.02, coll. H.Izumi no. 13 (CBM-FL-102660). <53402275>, 東金市, 20 m elev., on trunk of *Prunus mume*, 1992.12, coll. A.Matsushita no. 526 (CBM-FL-3263). <千葉メッシュ 4026/ 53402276>, 東金市, 50 m elev., on trunk of deciduous hardwood, 1989.05, coll. H.Takamiya no. 89010 (CBM-FL-1007). <53402278>, 東金市, 30 m elev., on stone-wall, 1990.07, coll. H.Takamiya no. 90047 (CBM-FL-1089); 50 m elev., on bark of *Prunus* sp., 1992.12, coll. A.Matsushita no. 511 (CBM-FL-3248). <53402291>, 千葉市若葉区, 35 m elev., on trunk of *Prunus* sp., 2013.04, coll. H.Izumi no. 190 (CBM-FL-102732); 45 m elev., on trunk of *Magnolia praecoccissima*, 2013.04, coll. H.Izumi no. 203 (CBM-FL-102738); on trunk of *Prunus* sp., 2013.04, coll. H.Izumi no. 219 (CBM-FL-102754); on trunk of *Quercus myrsinaefolia*, 2013.04, coll. H.Izumi no. 210 (CBM-FL-102745); 57 m elev., on trunk of *Prunus* sp., 2013.02, coll. H.Izumi no. 24 (CBM-FL-102665). <53402294>, 八街市, 67 m elev., on trunk of *Prunus* sp., 2017.04, coll. H.Izumi no. 1868 (CBM-FL-102930). <53402295>, 千葉市緑区, 51 m elev., on branch of *Rhododendron* sp., 2017.04, coll. H.Izumi no. 1909 (CBM-FL-102954). <千葉メッシュ 4171/ 53402321>, 東金市, 5 m elev., on trunk of *Pinus densiflora*, 1990.09, coll. H.Takamiya no. 90252 (CBM-FL-1109). <53402332>, 東金市, 5 m elev., on trunk of *Prunus* sp., 1992.12, coll.

A.Matsushita no. 510 (CBM-FL-3247). <千葉メッシュ 4141/53402351>, 東金市, 5 m elev., on trunk of *Pinus thunbergii*, 1989.08, coll. H.Takamiya no. 89118 (CBM-FL-1035). <53403069>, 千葉市花見川区, 22 m elev., on trunk of *Prunus* sp., 2018.11, coll. S.Tsurumaki no. 18111401 (CBM-FL-206078). <53403071>, 千葉市花見川区, 22 m elev., on trunk of *Prunus* sp., 2018.11, coll. S.Tsurumaki no. 18111403 (CBM-FL-206080). <53403073>, 千葉市花見川区, 22 m elev., on trunk of *Prunus* sp., 2018.11, coll. S.Tsurumaki no. 18111405 (CBM-FL-206082). <53403076>, 千葉市花見川区, 11 m elev., on bark at trunk base of *Prunus* sp., 2017.03, coll. S.Tsurumaki no. 17031002 (CBM-FL-204224). <53403085>, 千葉市花見川区, 21 m elev., on trunk of *Prunus* sp., 2017.11, coll. S.Tsurumaki no. 17111003 (CBM-FL-206017). <53403086>, 千葉市花見川区, 18 m elev., on trunk of *Prunus* sp., 2018.04, coll. S.Tsurumaki no. 18032301 (CBM-FL-204925). <53403087>, 千葉市花見川区, 26 m elev., on trunk of *Quercus acutissima*, 2018.04, coll. S.Tsurumaki no. 18032302 (CBM-FL-204926). <53403097>, 千葉市花見川区, 20 m elev., on trunk of *Prunus* sp., 2018.09, coll. S.Tsurumaki no. 18091401 (CBM-FL-206052). <53403106>, 千葉市若葉区, 37 m elev., on trunk of *Prunus* sp., 2018.01, coll. H.Izumi no. 2122 (CBM-FL-103105). <53403111>, 千葉市中央区, 23 m elev., on bough of *Quercus acutissima*, 2019.09, coll. A.Sakata & H.Harada no. 5652 (CBM-FL-103398); 24 m elev., on trunk of *Prunus* sp., 2019.09, coll. A.Sakata & H.Harada no. 5673 (CBM-FL-103414). <53403135>, 千葉市若葉区, 33 m elev., on trunk of *Zelkova serrata*, 2019.05, coll. H.Izumi no. 2371 (CBM-FL-103356). <53403179>, 佐倉市, 20 m elev., on trunk of *Prunus* sp., 2013.03, coll. H.Izumi no. 67 (CBM-FL-102690). <53403202>, 八街市, 58 m elev., on trunk of *Prunus* sp., 2013.03, coll. H.Izumi no. 94 (CBM-FL-102706). <53403203>, 八街市, 60 m elev., on trunk of *Salicaceae* sp., 2013.04, coll. H.Izumi no. 270 (CBM-FL-102773). <53403204>, 八街市, 59 m elev., on trunk of *Prunus* sp., 2017.06, coll. H.Izumi no. 1964 (CBM-FL-102978). <千葉メッシュ 3598/ 53403208>, 東金市, 40 m elev., on trunk of *Pinus densiflora*, 1990.11, coll. H.Takamiya no. 90306 (CBM-FL-1124). <53403212>, 八街市, 54 m elev., on trunk of *Prunus* sp., 2013.03, coll. H.Izumi no. 140 (CBM-FL-102713). <53403233>, 八街市, 62 m elev., on trunk of *Prunus* sp., 2013.02, coll. H.Izumi no. 43 (CBM-FL-102675). <53403240>, 千葉市若葉区, 46 m elev., on trunk of *Zelkova serrata*, 2013.03, coll. H.Izumi no. 171 (CBM-FL-102724) & 173 (CBM-FL-102726). <53403241>, 八街市, 21 m elev., on trunk of *Prunus* sp., in a yatsu valley, 2017.09, coll. H.Izumi no. 2087 (CBM-FL-103044); 42 m elev., on trunk of deciduous hardwood, 2013.04, coll. H.Izumi no. 287 (CBM-FL-102782). <53403252>, 八街市, 46 m elev., on trunk of *Paulownia tomentosa*, 2013.04, coll. H.Izumi no. 326 (CBM-FL-102800). <53403260>, 八街市, 21 m elev., on trunk of *Prunus* sp., 2016.12, coll. H.Izumi no. 1691 (CBM-FL-102847); on trunk of *Taxus cuspidata*, 2016.12, coll. H.Izumi no. 1701 (CBM-FL-102856). <53403261>, 八街市, 15 m elev., on trunk of *Prunus* sp., 2016.12, coll. H.Izumi no. 1718 (CBM-FL-102869); 36 m elev., on trunk of *Lindera praecox*, 2013.04, coll. H.Izumi no. 316 (CBM-FL-102793); 38 m elev., on trunk of *Paulownia tomentosa*, 2013.04, coll. H.Izumi no. 329 (CBM-FL-102802); on trunk of *Prunus* sp., 2017.06, coll. H.Izumi no. 2021 (CBM-FL-103012). <53403265>, 八街市, 46 m elev., on trunk of *Prunus* sp., 2016.06, coll. H.Izumi no. 1645 (CBM-FL-102809); on trunk of *Zelkova serrata*, 2016.06, coll. H.Izumi no. 1646 (CBM-FL-102810). <53403266>, 八街市, 32 m elev., on trunk of *Celtis sinensis* var. *japonica*, 2017.07, coll. H.Izumi no. 2053 (CBM-FL-103033). <53403279>, 山武市, 40 m elev., on trunk of *Metasequoia glyptostroboides*, 2012.12, coll. H.Harada no. 27849 (CBM-FL-100041); on trunk of *Quercus serrata*, 2012.12, coll. H.Harada no. 27852 (CBM-FL-100044). <53403281>, 八街市, 18 m elev., on trunk of *Zelkova serrata*, 2017.01, coll. H.Izumi no. 1747 (CBM-FL-102872). <53403285>, 八街市, 45 m elev., on trunk of *Zelkova serrata*, 2017.03, coll. H.Izumi no. 1855 (CBM-FL-102919). <53403292>, 八街市, 32 m elev., on trunk of *Prunus* sp., 2017.06, coll. H.Izumi no. 1981 (CBM-FL-102986). <53403299>, 八街市, 43 m elev., on trunk of *Prunus* sp., 2016.07, coll. H.Izumi no. 1654 (CBM-FL-102818). <千葉メッシュ 3690/ 53403300>, 東金市, 20 m elev., on trunk of *Pinus densiflora*, 1989.06, coll. H.Takamiya no. 89045 (CBM-FL-1014). <53403397>, 横芝光町, 7 m elev., on trunk of *Prunus* × *yedoensis*, 2012.12, coll. H.Harada no. 27689 (CBM-FL-100011); on trunk of *Salix babylonica*, 2012.12, coll. H.Harada no. 27694 (CBM-FL-100016); on trunk of

Zelkova serrata, 2012.12, coll. H.Harada no. 27687 (CBM-FL-100223); 18 m elev., on trunk of *Prunus* sp., 2019.06, coll. S.Tsurumaki no. 19060603 (CBM-FL-206142). <53404007>, 千葉市花見川区, 16 m elev., on trunk of *Prunus* sp., 2019.05, coll. S.Tsurumaki no. 19050905 (CBM-FL-206106); 17 m elev., on trunk of *Quercus serrata*, 2019.06, coll. S.Tsurumaki no. 19060608 (CBM-FL-206147); 18 m elev., on trunk of *Prunus* sp., 2018.10, coll. S.Tsurumaki no. 18103104 (CBM-FL-206077); 19 m elev., on trunk of *Prunus* sp., 2019.05, coll. S.Tsurumaki no. 19050912 (CBM-FL-206113). <53404026>, 千葉市花見川区, 24 m elev., on trunk of *Prunus* sp., 2017.01, coll. S.Tsurumaki no. 17010601 (CBM-FL-204194). <53404027>, 千葉市花見川区, 28 m elev., on bark at trunk base of *Prunus* sp., 2017.04, coll. S.Tsurumaki no. 17042502 (CBM-FL-204232); on trunk of *Benthamidia florida*, 2017.04, coll. S.Tsurumaki no. 17042503 (CBM-FL-204233). <53404029>, 千葉市花見川区, 24 m elev., on trunk of *Zelkova serrata*, 2017.03, coll. S.Tsurumaki no. 17030102 (CBM-FL-204215). <53404039>, 千葉市花見川区, 22 m elev., on bark at trunk base of *Zelkova serrata*, 2017.02, coll. S.Tsurumaki no. 17021901 (CBM-FL-204209). <53404048>, 千葉市花見川区, 27 m elev., on bark at trunk base of *Quercus acutissima*, 2017.02, coll. S.Tsurumaki no. 17021905 (CBM-FL-204213). <53404065>, 船橋市, 29 m elev., on branch of *Quercus acutissima*, 2018.11, coll. H.Harada & A.Sakata no. 32314 (CBM-FL-103180). <53404068>, 八千代市, 8 m elev., on trunk of *Prunus* sp., 2017.04, coll. S.Tsurumaki no. 17042501 (CBM-FL-204231). <53404113>, 四街道市, 25 m elev., on trunk of *Rhododendron*, 2013.04, coll. A.Higashi no. 9 (CBM-FL-100437). <53404120>, 千葉市花見川区, 24 m elev., on trunk of *Zelkova serrata*, 2017.03, coll. S.Tsurumaki no. 17030104 (CBM-FL-204217). <53404159>, 佐倉市, 20 m elev., on branch of *Quercus acutissima*, at the edge of forest, 2012.08, coll. H.Harada no. 12080301 (CBM-FL-100005). <53404202>, 八街市, 38 m elev., on trunk of *Ginkgo biloba*, 2017.03, coll. H.Izumi no. 1840 (CBM-FL-102907); on trunk of *Camellia japonica*, 2017.03, coll. H.Izumi no. 1846 (CBM-FL-102912). <53404236>, 八街市, 41 m elev., on trunk of *Prunus* sp., 2016.10, coll. H.Izumi no. 1667 (CBM-FL-102826). <53404240>, 八街市, 41 m elev., on trunk of *Celtis sinensis* var. *japonica*, 2016.10, coll. H.Izumi no. 1671 (CBM-FL-102830). <53404400>, 横芝光町, 7 m elev., on trunk of *Liquidambar formosana*, 2013.02, coll. H.Harada & R.Harada no. 28193 (CBM-FL-100171). <53404510>, 旭市, 2 m elev., on bark of *Pinus thunbergii*, 1991.02, coll. H.Harada no. 11610 (CBM-FL-1306). <53404669>, 銚子市, 5 m elev., on trunk of *Pinus thunbergii*, 2002.04, coll. H.Harada no. 19931 (CBM-FL-14539). <53405030>, 鎌ヶ谷市, 25 m elev., on trunk of *Albizia julibrissin*, 2016.07, coll. A.Sakata no. 4413 (CBM-FL-102206). <53405043>, 白井市, 20 m elev., on trunk of *Prunus mume*, 2005.12, coll. H.Harada no. 23283 (CBM-FL-22623). <千葉メッシュ 1758/ 53405048>, 印西市, 20 m elev., on bark of *Quercus acutissima*, 2006.02, coll. T.Morita no. 13 (CBM-FL-22908). <53405065>, 白井市, 15 m elev., on trunk of *Quercus acutissima*, 2007.02, coll. H.Harada no. 24384 (CBM-FL-23034). <53405066>, 白井市, 20 m elev., on trunk of *Quercus acutissima*, 2007.01, coll. H.Harada no. 24353 (CBM-FL-23003). <53405075>, 白井市, 20 m elev., on branch of *Quercus acutissima*, 2007.02, coll. H.Harada no. 24397 (CBM-FL-23047). <53405086>, 白井市, 20 m elev., on trunk of *Prunus* sp., 2005.11, coll. H.Harada no. 22836 (CBM-FL-22601); 2005.12, coll. T.Morita no. 2 (CBM-FL-22897). <53405104>, 印西市, 23 m elev., on trunk of *Quercus acutissima*, 2012.12, coll. H.Harada & R.Harada no. 27889 (CBM-FL-100088). <53405140>, 印西市, 16 m elev., on trunk of *Cerasus* sp., 2016.02, coll. H.Harada & T.Morita no. 31423 (CBM-FL-102018). <53405147>, 印西市, 29 m elev., on trunk of *Cerasus* sp., 2016.02, coll. H.Harada & T.Morita no. 31257 (CBM-FL-101971); on trunk of *Chamaecyparis pisifera*, 2016.02, coll. H.Harada & T.Morita no. 31379 (CBM-FL-101985); on wood pole, 2016.02, coll. H.Harada & T.Morita no. 31374 (CBM-FL-101983). <53405165>, 印西市, 27 m elev., on branch of *Quercus myrsinifolia*, 2016.02, coll. H.Harada & T.Morita no. 31244 (CBM-FL-101962); on stone-works, 2016.02, coll. H.Harada & T.Morita no. 31225 (CBM-FL-101950). <53405245>, 成田市, 13 m elev., on branch of *Quercus acutissima*, 2021.02, coll. A.Sakata no. 5884a (CBM-FL-103582); 21 m elev., on branch of *Prunus mume*, 2021.03, coll. A.Sakata no. 5922c (CBM-FL-103586); 22 m elev., on branch of *Quercus acutissima*, 2021.02, coll. A.Sakata no. 5883c (CBM-FL-103580). <53405476>, 香取市, 30 m elev., on trunk of *Prunus* × *yedoensis*, 2017.01, coll.

H.Yoshikawa no. 1772 (CBM-FL-102338). <53405534>, 東庄町, 40 m elev., on trunk of Liquidambar styraciflua, 2015.12, coll. H.Yoshikawa et al. no. 1274 (CBM-FL-101678); on trunk of Prunus × yedoensis, 2015.12, coll. H.Yoshikawa et al. no. 1275 (CBM-FL-101679). <53405564>, 東庄町, 52 m elev., on trunk of Prunus × yedoensis, 2015.12, coll. H.Yoshikawa et al. no. 1288 (CBM-FL-101688). <53405571>, 香取市, 41 m elev., on turf of mosses over stone monument, 2015.12, coll. H.Yoshikawa et al. no. 1292 (CBM-FL-101692). <53405580>, 香取市, 45 m elev., on branch of Prunus mume, 2021.02, coll. A.Sakata no. 5870 (CBM-FL-206163); on trunk of Prunus mume, 2021.02, coll. A.Sakata no. 5865 (CBM-FL-103540). <53406472>, 香取市, 33 m elev., on trunk of Prunus × yedoensis, 2017.01, coll. H.Yoshikawa no. 1740 (CBM-FL-102312) / : <54391622>, 野田市, 20 m elev., at bare root of deciduous hardwood, 2017.05, coll. A.Sakata no. 5065 (CBM-FL-102628)

● *Rimelia hawaiiensis* (H.Magn.) Hale & A.Fletcher/ クズレマツゲゴケ

<52396708>, 富津市, 120 m elev., on trunk of Quercus serrata, 1997.10, coll. H.Harada no. 18420 (CBM-FL-10338). <52396709>, 君津市, 250 m elev., on bark of Acer sp., in forest on ridge, 1993.10, coll. A.Matsushita no. 714 (CBM-FL-4680); on bark of evergreen hardwood, on ridge, 1994.03, coll. A.Matsushita no. 763 (CBM-FL-4824). <52396739>, 富津市・君津市, 310 m elev., on rock, on sunny outcrop, 2002.01, coll. H.Harada no. 19678 (CBM-FL-13725). <52396758>, 君津市・鴨川市, 250 m elev., on trunk of Quercus serrata, in Quercus serrata-forest on mountain ridge, 2002.01, coll. H.Harada no. 19615 (CBM-FL-13650). <52405010>, 鴨川市, 100 m elev., on rocks, 1996.05, coll. H.Harada no. 16246 (CBM-FL-7303). <52405190>, 鴨川市, 280 m elev., on trunk of Quercus serrata, 2012.02, coll. H.Harada no. 27267 (CBM-FL-33505). <52405191>, 鴨川市, 265 m elev., on branch of deciduous hardwood, 2013.01, coll. H.Izumi no. 826 (CBM-FL-35053); 275 m elev., on branch of Abies firma, 2013.01, coll. H.Yoshikawa no. 272 (CBM-FL-35059); on trunk of Quercus acuta, 2014.03, coll. H.Harada no. 28912 (CBM-FL-37396); 280 m elev., on bark, 2014.01, coll. A.Sakata no. 2416 (CBM-FL-37170); on trunk of Quercus glauca, 2012.01, coll. H.Yoshikawa no. 4 (CBM-FL-33222); 330 m elev., on bough of Abies firma, 2014.01, coll. H.Harada no. 28867 (CBM-FL-37117). <52405192>, 鴨川市, 170 m elev., on rotten tree, in forested gorge, 2012.01, coll. H.Izumi no. 609 (CBM-FL-33324). <52406018>, 君津市, 280 m elev., on branch of Abies firma, 2012.12, coll. H.Yoshikawa no. 147 (CBM-FL-34622). <52406019>, 君津市, 330 m elev., on trunk of deciduous hardwood, 2012.02, coll. H.Izumi no. 685 (CBM-FL-33735); H.Yoshikawa no. 107 (CBM-FL-33672). <52406027>, 君津市, 275 m elev., on trunk of Abies firma, on forested ridge, 2014.12, coll. H.Yoshikawa no. 771 (CBM-FL-37874). <52406028>, 君津市, 260 m elev., on trunk of fallen tree, 2011.02, coll. A.Sakata no. 300 (CBM-FL-34438); 275 m elev., on bough of Abies firma, 2014.03, coll. H.Harada no. 28919 (CBM-FL-37403); 280 m elev., on bark of Abies firma, 2012.12, coll. H.Yoshikawa no. 154 (CBM-FL-34629); H.Yoshikawa no. 156 (CBM-FL-34631); on branch of Abies firma, 2012.12, coll. H.Izumi no. 739 (CBM-FL-34712). <52406029>, 君津市・鴨川市, 310 m elev., on trunk of Quercus glauca, 2012.12, coll. H.Harada no. 27810 (CBM-FL-34498). <52406037>, 君津市, 260 m elev., on trunk of Quercus acuta, on forested ridge, 2016.03, coll. H.Harada no. 31318 (CBM-FL-202179). <52406038>, 君津市, 145 m elev., on trunk of deciduous scrubs, 2012.02, coll. H.Harada no. 27185 (CBM-FL-33423); 220 m elev., on rotten tree, 2012.01, coll. H.Izumi no. 603 (CBM-FL-33318); on trunk of Cedrus deodara, 2012.01, coll. H.Izumi no. 605 (CBM-FL-33320); on trunk of deciduous hardwood, 2012.01, coll. H.Izumi no. 599 (CBM-FL-33314); 268 m elev., on branches of Prunus sp., on forested ridge, 2016.03, coll. H.Harada no. 31337 (CBM-FL-202197). <52406039>, 君津市, 280 m elev., on branch of Abies firma, 2013.12, coll. H.Harada no. 28707 (CBM-FL-36753); on trunk of Abies firma, 2013.12, coll. H.Yoshikawa no. 604 (CBM-FL-36937); 300 m elev., on trunk of Abies firma, 2013.12, coll. H.Harada no. 28746 (CBM-FL-36792). <52406101>, 鴨川市, 290 m elev., on branch of deciduous hardwood, 2013.01, coll. H.Izumi no. 808 (CBM-FL-35035); 320 m elev., on trunk of Eurya japonica, 2013.01, coll. H.Yoshikawa no. 328 (CBM-FL-35272). <52406102>, 鴨川市, 330 m elev., on trunk of Castanopsis sieboldii, on forested ridge, 2016.02, coll. H.Yoshikawa no.

1347 (CBM-FL-202098). <52406103>, 鴨川市, 280 m elev., on trunk of Quercus sessilifolia, 2011.02, coll. H.Izumi no. 501 (CBM-FL-30457). <52406112>, 君津市, 305 m elev., on rotten tree, 2015.01, coll. H.Yoshikawa no. 883 (CBM-FL-200388). <52406122>, 君津市, 340 m elev., on branch of deciduous hardwood, 2015.01, coll. H.Yoshikawa no. 842 (CBM-FL-200207). <52406131>, 君津市, 170 m elev., on dead-standing trunk of Pinus thunbergii, 2015.12, coll. H.Harada no. 30958 (CBM-FL-201310); 200 m elev., on trunk of Cinnamomum camphora, 2015.02, coll. H.Harada no. 30577 (CBM-FL-200474); on trunk of Prunus sp., 2015.12, coll. H.Yoshikawa no. 1124 (CBM-FL-201434). <52406141>, 君津市, 200 m elev., on bough of Abies firma, 2015.02, coll. H.Harada no. 30567 (CBM-FL-200466); 230 m elev., on bough of Quercus salicina, 2014.12, coll. H.Harada no. 29603 (CBM-FL-37976). <52406251>, 勝浦市, 84 m elev., on tombstone, 2021.04, coll. A.Sakata & H.Harada no. 6006 (CBM-FL-206267). <52407009>, 市原市, 260 m elev., on trunk of deciduous hardwood, 1991.06, coll. M.Ishibashi no. 8 (CBM-FL-3405); on trunk of evergreen hardwood, 1991.06, coll. M.Ishibashi no. 12 (CBM-FL-3409). <52407100>, 市原市, 250 m elev., on trunk of Prunus sp., 1992.08, coll. M.Ishibashi no. 172 (CBM-FL-3516) & 173 (CBM-FL-3517). <52407101>, 市原市, 80 m elev., on trunk of deciduous hardwood, 1992.01, coll. H.Harada no. 12084 (CBM-FL-3701). <53400201>, 睦沢町, 87 m elev., on trunk of cherry tree, 2016.06, coll. H.Yoshikawa et al. no. 1473 (CBM-FL-102093). <53402278>, 東金市, 50 m elev., on trunk of Cryptomeria japonica, 1991.02, coll. H.Harada no. 11648 (CBM-FL-2547). <53404598>, 銚子市, 30 m elev., on stone lantern, 1990.09, coll. T.Furuki no. 9434 (CBM-FL-3762)

● *Rimelia reticulata* (Taylor) Hale & A.Fletcher/ オオマツゲゴケ

<52393606>, 館山市, 28 m elev., on trunk of Cinnamomum camphora, 2015.12, coll. H.Izumi, H.Yoshikawa & H.Harada no. 1335 (CBM-FL-101176). <52393762>, 南房総市, 43 m elev., on stoneworks, 2017.04, coll. A.Sakata et al. no. 5011 (CBM-FL-102554). <52393770>, 館山市, 28 m elev., on stoneworks, 2017.04, coll. A.Sakata et al. no. 5038 (CBM-FL-102564). <52393771>, 館山市, 30 m elev., on tombstone, 2000.02, coll. T.Kawana no. 20616 (CBM-FL-12717). <52394637>, 館山市, 20 m elev., on trunk of Juniperus chinensis, 2015.12, coll. H.Yoshikawa, H.Izumi & H.Harada no. 1070 (CBM-FL-101161). <千葉メッシュ 7241/ 52394751>, 南房総市, 60 m elev., on tombstone, 2000.08, coll. T.Kawana no. 83104 (CBM-FL-14049). <52395659>, 鋸南町, 110 m elev., on tombstone, 2012.02, coll. T.Kawana no. 12021205c (CBM-FL-100499). <52395695>, 富津市, 30 m elev., on sandstone, 1997.05, coll. T.Kawana no. 97052410 (CBM-FL-9022); on tombstone, 1997.05, coll. T.Kawana no. 97052412b (CBM-FL-9024). <52395796>, 富津市, 130 m elev., on trunk of Diospyros kaki, 1997.12, coll. H.Harada no. 18643 (CBM-FL-10699). <52396615>, 富津市, 3 m elev., on seaside rocks, 2002.01, coll. T.Kawana no. 2011510 (CBM-FL-13839). <千葉メッシュ 6197/ 52396707>, 富津市, 100 m elev., on trunk of Diospyros kaki, 1999.02, coll. T.Kawana no. 99022809 (CBM-FL-12113). <52396708>, 富津市, 140 m elev., on stone lantern, 1997.10, coll. H.Harada no. 18386 (CBM-FL-10304). <千葉メッシュ 6157/ 52396747>, 富津市, 60 m elev., on trunk of Diospyros kaki, 1999.03, coll. T.Kawana no. 99032713 (CBM-FL-12187). <52396751>, 富津市, 15 m elev., on tombstone, 1998.11, coll. T.Kawana no. 98111508 (CBM-FL-12068). <52396764>, 富津市, 40 m elev., on rocks, 1997.06, coll. T.Kawana no. 97061421 (CBM-FL-9050). <千葉メッシュ 6139/ 52396769>, 君津市, 70 m elev., on trunk of Diospyros kaki, 2004.01, coll. T.Kawana no. 4012541 (CBM-FL-15682). <52397777>, 君津市, 50 m elev., on tombstone, 2000.11, coll. T.Kawana no. 112208 (CBM-FL-13629). <52405006>, 鴨川市, 40 m elev., on trunk of Zelkova serrata, 2000.01, coll. T.Kawana no. 10807 (CBM-FL-12489). <52405020>, 鴨川市, 215 m elev., on trunk of Cryptomeria japonica, 2016.02, coll. A.Sakata et al. no. 4053 (CBM-FL-101910). <52405189>, 勝浦市, 100 m elev., on stone-walls, 2000.03, coll. T.Kawana no. 31207 (CBM-FL-12904). <52405195>, 鴨川市, 80 m elev., on trunk of Prunus sp., 2017.01, coll. H.Harada et al. no. 31842 (CBM-FL-203437). <52406061>, 君津市, 80 m elev., on tombstone, 2003.02, coll. T.Kawana no. 3020814 (CBM-FL-15126). <千葉メッシュ 6303/ 52406193>, 大多喜町, 150 m elev., on tombstone, 2000.03, coll. T.Kawana no. 31823 (CBM-FL-12961). <52406227>,

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御宿町, 10 m elev., on tombstones, 1994.09, coll. A.Matsuda no. 827 (CBM-FL-6426). <52406229>, 御宿町, 11 m elev., on trunk of *Zelkova serrata*, 2017.01, coll. H.Yoshikawa et al no. 1939 (CBM-FL-40776); 18 m elev., on trunk of *Zelkova serrata*, 2017.01, coll. H.Yoshikawa no. 1812 (CBM-FL-102363). <52406248>, 御宿町, 13 m elev., on stone work, 2017.01, coll. H.Yoshikawa et al no. 1894 (CBM-FL-203523). <52406251>, 勝浦市, 80 m elev., on trunk of *Ginkgo biloba*, 2021.04, coll. A.Sakata & H.Harada no. 5982 (CBM-FL-206253); 84 m elev., on tombstone, 2021.04, coll. A.Sakata & H.Harada no. 6015 (CBM-FL-206274). <52407141>, 市原市, 70 m elev., on trunk of *Alnus firma*, 1992.12, coll. M.Ishibashi no. 206 (CBM-FL-3550); on trunk of *Zelkova serrata*, 1992.12, coll. H.Harada no. 13353 (CBM-FL-3736). <52407256>, いすみ市, 22 m elev., on concrete-block wall, 2018.01, coll. H.Izumi no. 2116 (CBM-FL-103100). <52407273>, いすみ市, 35 m elev., on stone lantern, 2016.06, coll. H.Harada et al. no. 31594 (CBM-FL-102034). <52407372>, いすみ市, 7 m elev., on trunk of *Ilex integra*, 2015.12, coll. H.Harada & H.Izumi no. 30980 (CBM-FL-101351); H.Izumi & H.Harada no. 1458 (CBM-FL-101548). <53400052>, 袖ヶ浦市, 30 m elev., on rocks, in graveyard, 1996.08, coll. H.Harada no. 16455 (CBM-FL-7543). <53400201>, 睦沢町, 87 m elev., on tombstone, 2016.06, coll. H.Yoshikawa et al. no. 1492 (CBM-FL-102106). <53400228>, 一宮町, 32 m elev., on branch of *Quercus acutissima*, 2017.01, coll. H.Yoshikawa no. 1796 (CBM-FL-40732). <53400250>, 長南町, 30 m elev., on stone lantern, 2021.09, coll. A.Sakata no. 6091 (CBM-FL-41616). <53401058>, 市原市, 15 m elev., on wooden boardwalk, 2013.01, coll. H.Yoshikawa no. 263 (CBM-FL-100216). <53401263>, 茂原市, 24 m elev., on trunk of *Pinus*, 2019.08, coll. H.Izumi no. 2456 (CBM-FL-103450). <53401281>, 茂原市, 107 m elev., on tombstone, 2019.08, coll. H.Izumi no. 2441 (CBM-FL-103438). <53402135>, 市原市, 39 m elev., on trunk of *Prunus × yedoensis* with mosses, 2013.01, coll. H.Yoshikawa no. 259 (CBM-FL-100212). <千葉メッシュ 4142/ 53402352>, 東金市, 5 m elev., on trunk of *Abies firma*, 1989.08, coll. H.Takamiya no. 89095 (CBM-FL-1026). <53403111>, 千葉市中央区, 23 m elev., on bough of *Quercus acutissima*, 2019.09, coll. A.Sakata & H.Harada no. 5651 (CBM-FL-205636). <53403260>, 八街市, 21 m elev., on stone lantern, 2018.03, coll. H.Harada & H.Izumi no. 32176 (CBM-FL-204755). <53405245>, 成田市, 21 m elev., on branch of *Prunus mume*, 2021.03, coll. A.Sakata no. 5922d (CBM-FL-103587)

付録2. 分布図 (図3～10)

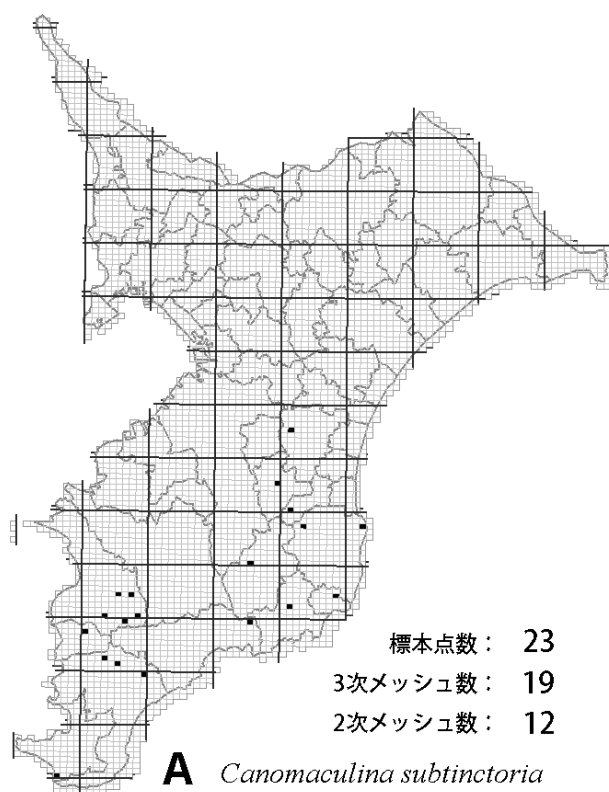
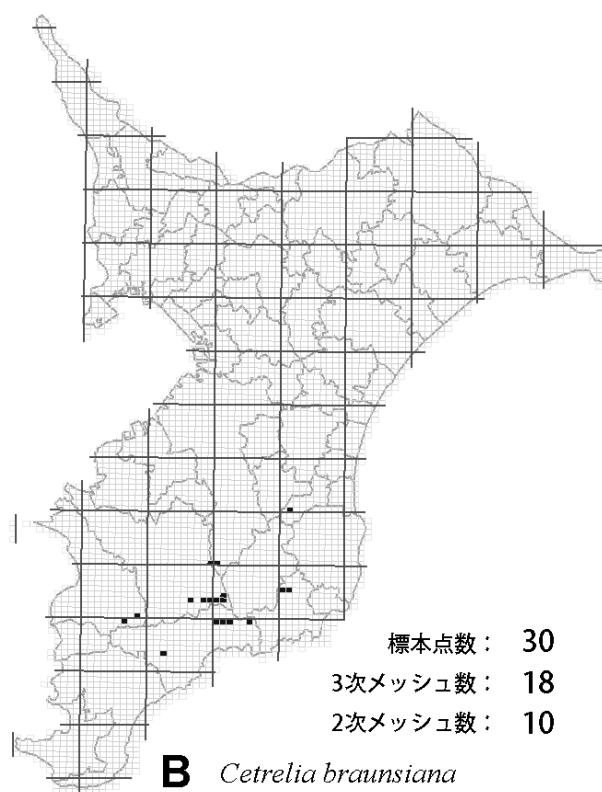
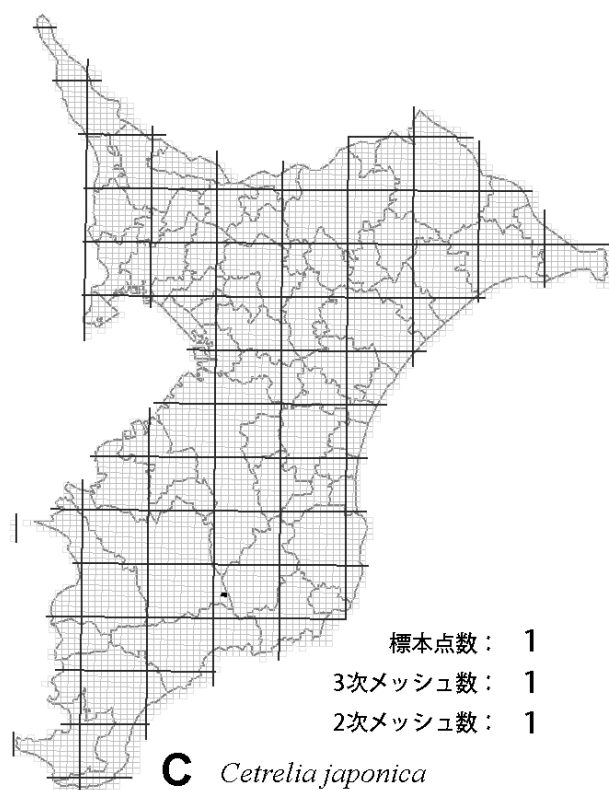
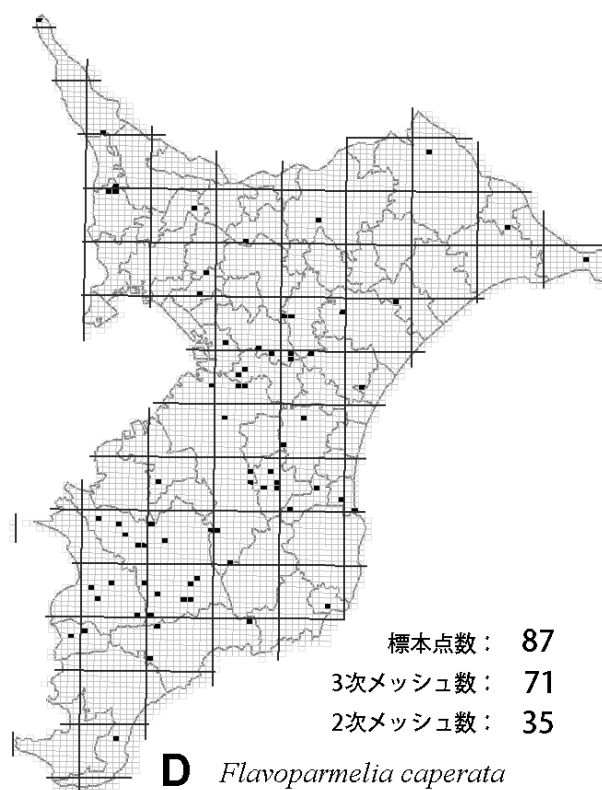


図3. ウメノキゴケ科葉状地衣の分布 (その1). A, *Canomaculina subtinctoria* オオチヂレマツゲゴケ. B, *Cetrelia braunsiana* トゲトコブシゴケ. C, *Cetrelia japonica* チヂレトコブシゴケ. D, *Flavoparmelia caperata* キウメノキゴケ.

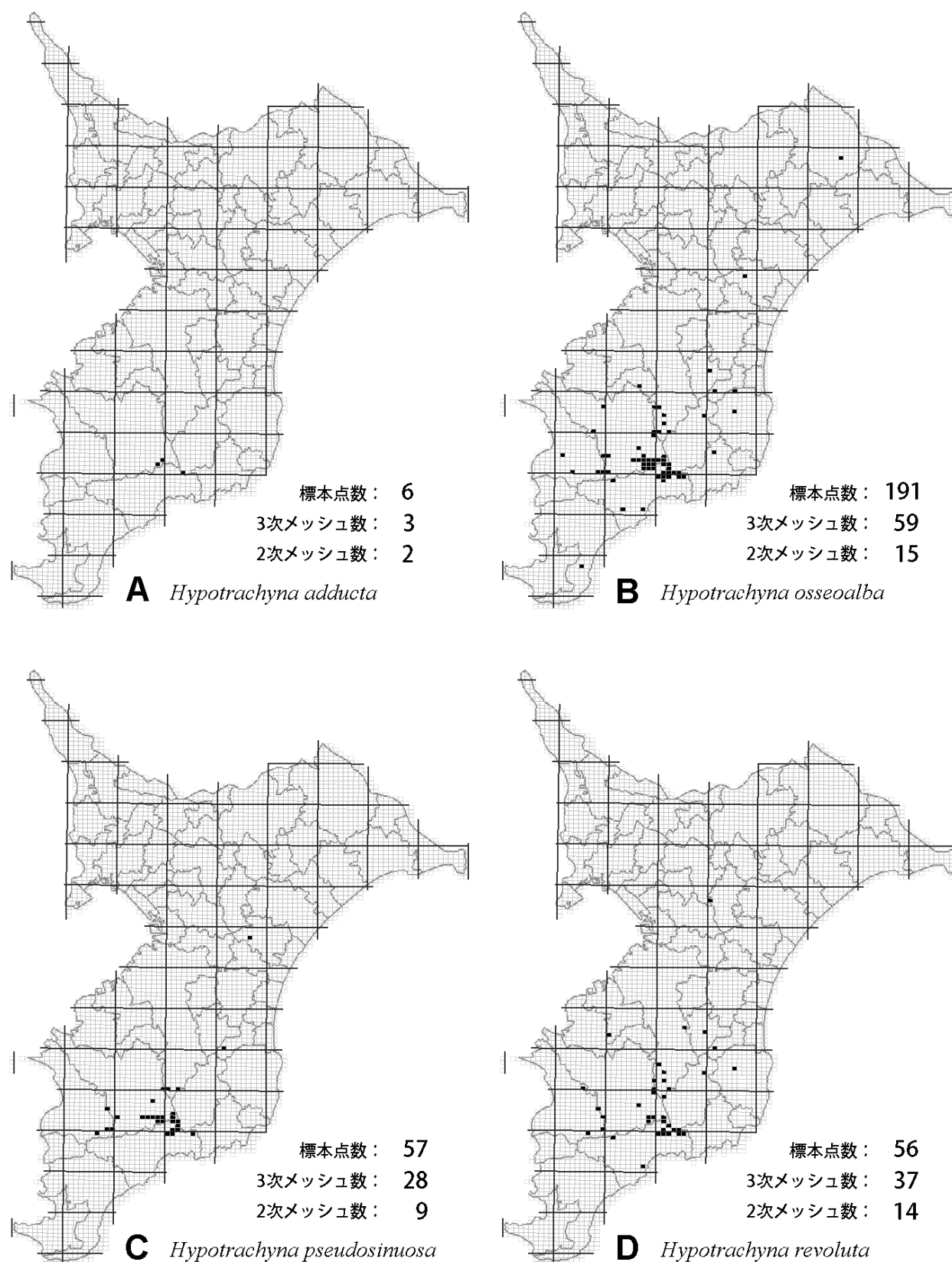


図4. ウメノキゴケ科葉状地衣の分布 (その2). A, *Hypotrachyna adducta* ナメラゴンゲンゴケ. B, *Hypotrachyna osseoalba* ゴンゲンゴケ. C, *Hypotrachyna pseudosinuosa* タカハシゴンゲンゴケ. D, *Hypotrachyna revoluta* ハコネゴンゲンゴケ.

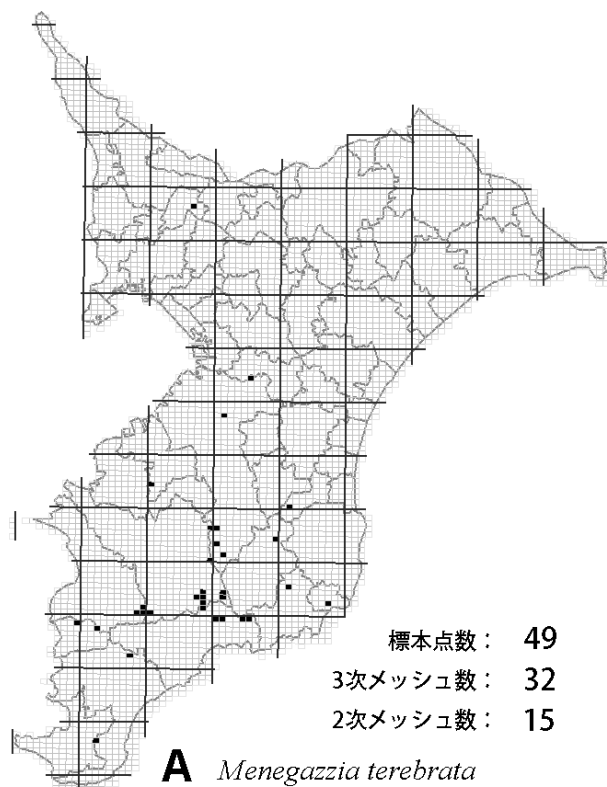
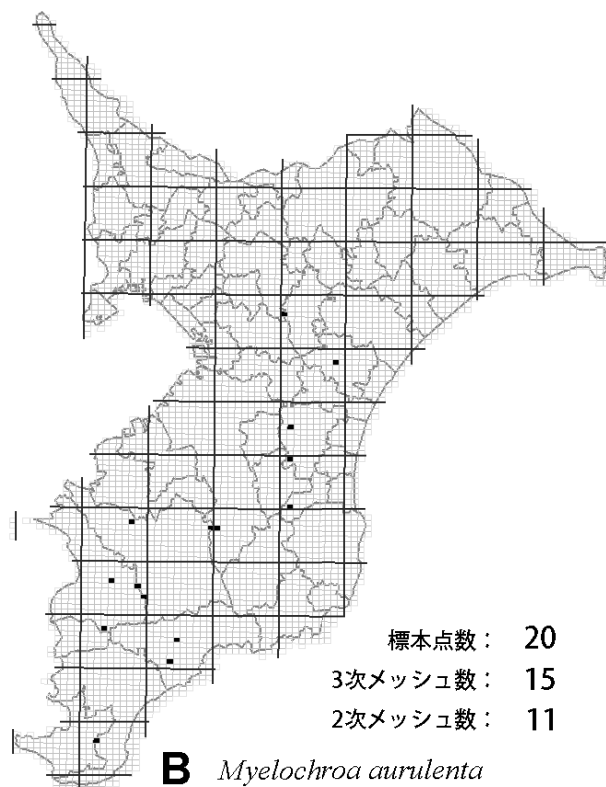
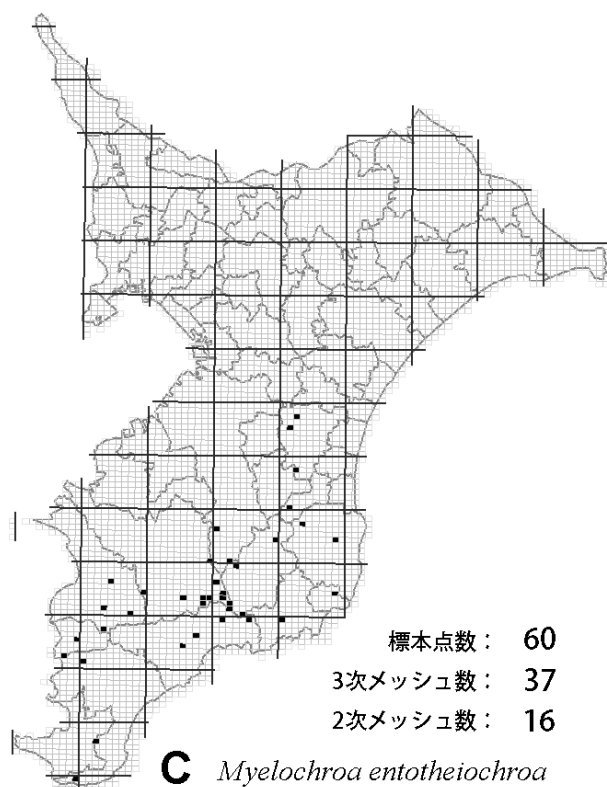
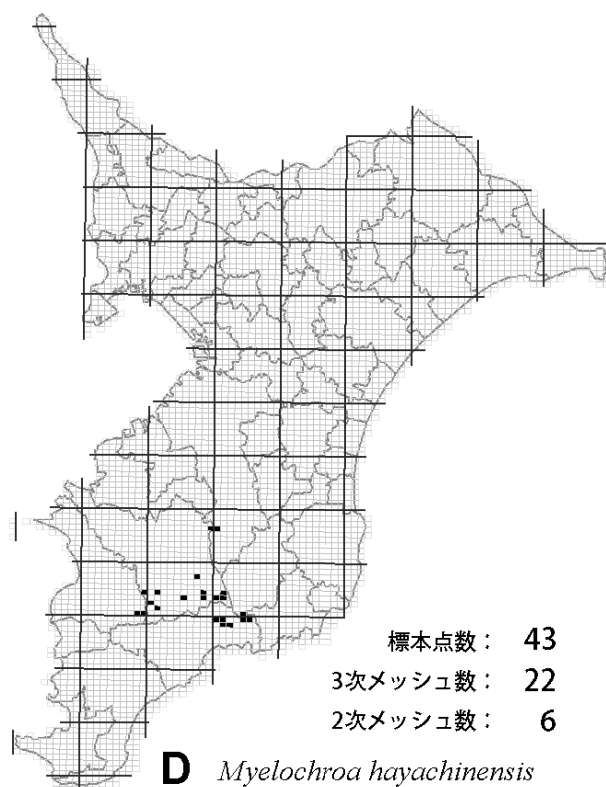


図5. ウメノキゴケ科葉状地衣の分布 (その3). A, *Menegazzia terebrata* センシゴケ. B, *Myelochroa aurulenta* コナウチキウメノキゴケ. C, *Myelochroa entotheiochroa* クズレウチキウメノキゴケ. D, *Myelochroa hayachinensis* ハヤチネウメノキゴケ.

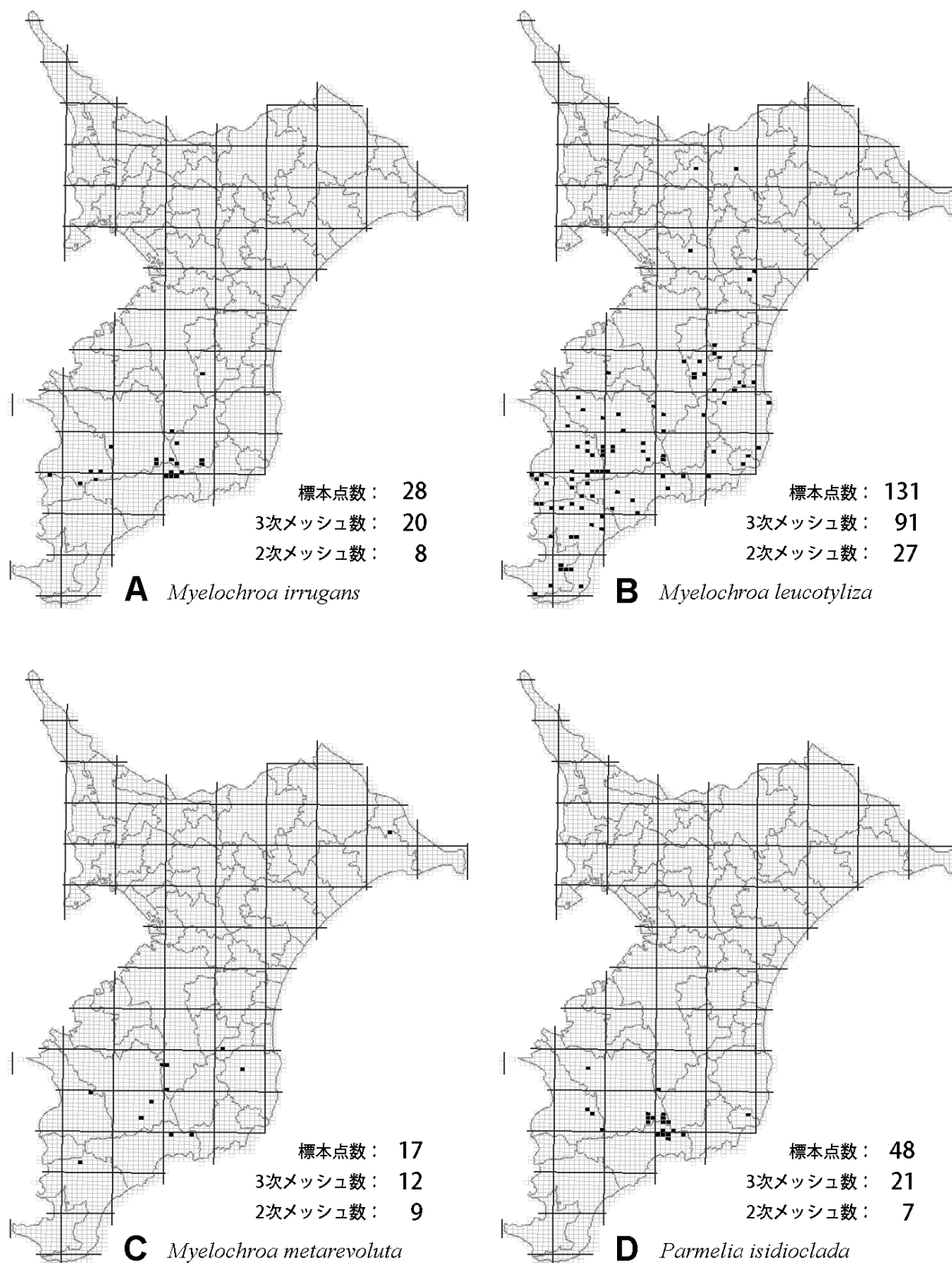


図6. ウメノキゴケ科葉状地衣の分布 (その4). A, *Myelochroa irrugans* ウチキウメノキゴケ. B, *Myelochroa leucotyliza* ヒカゲウチキウメノキゴケ. C, *Myelochroa metarevoluta* コフキチョロギウメノキゴケ. D, *Parmelia isidioclada* ヤスダゴケ.

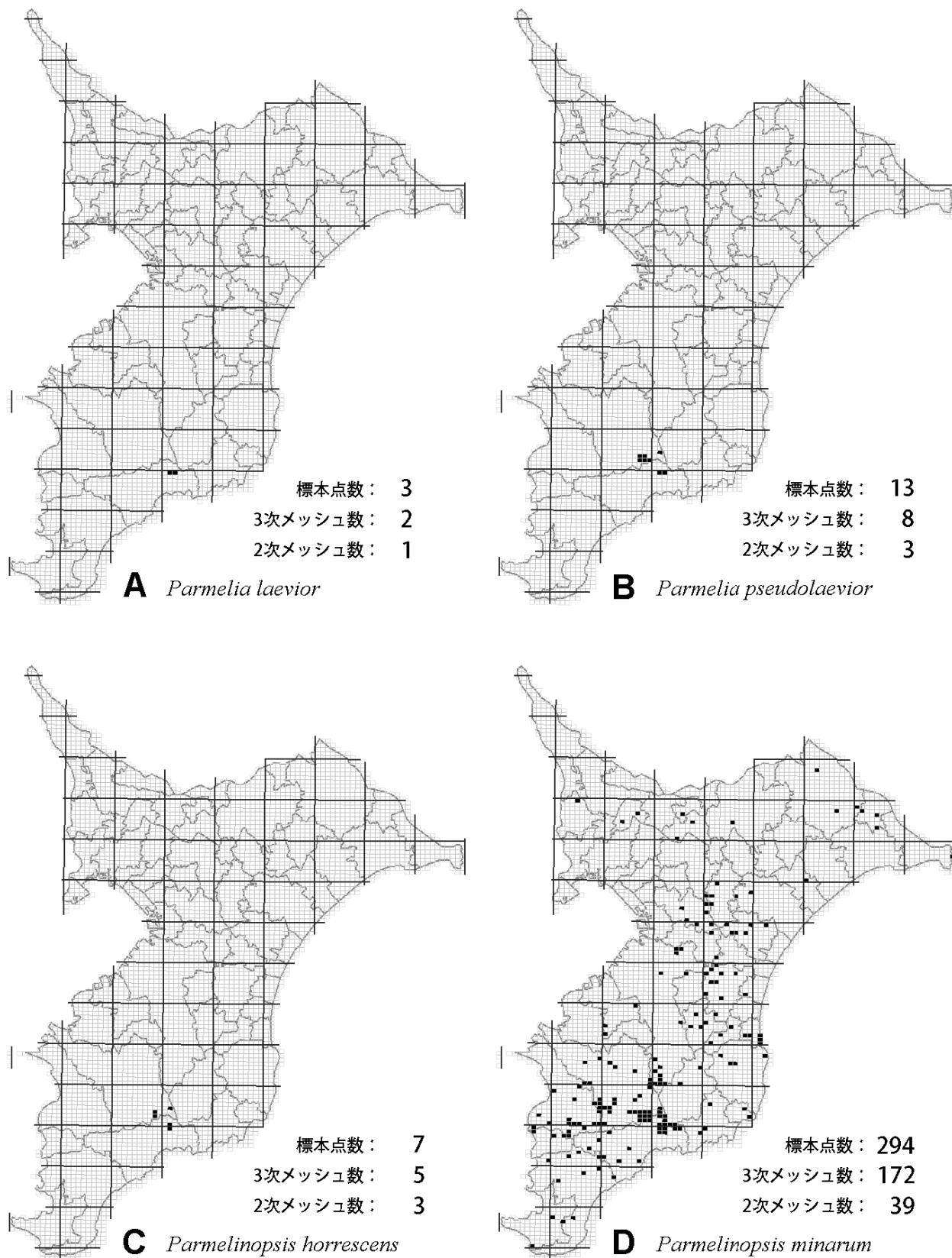


図7. ウメノキゴケ科葉状地衣の分布 (その5). A, *Parmelia laevior* テリハゴケ. B, *Parmelia pseudolaevior* チヂレテリハゴケ. C, *Parmelinopsis horrescens* トゲウメノキゴケモドキ. D, *Parmelinopsis minarum* トゲウメノキゴケ.

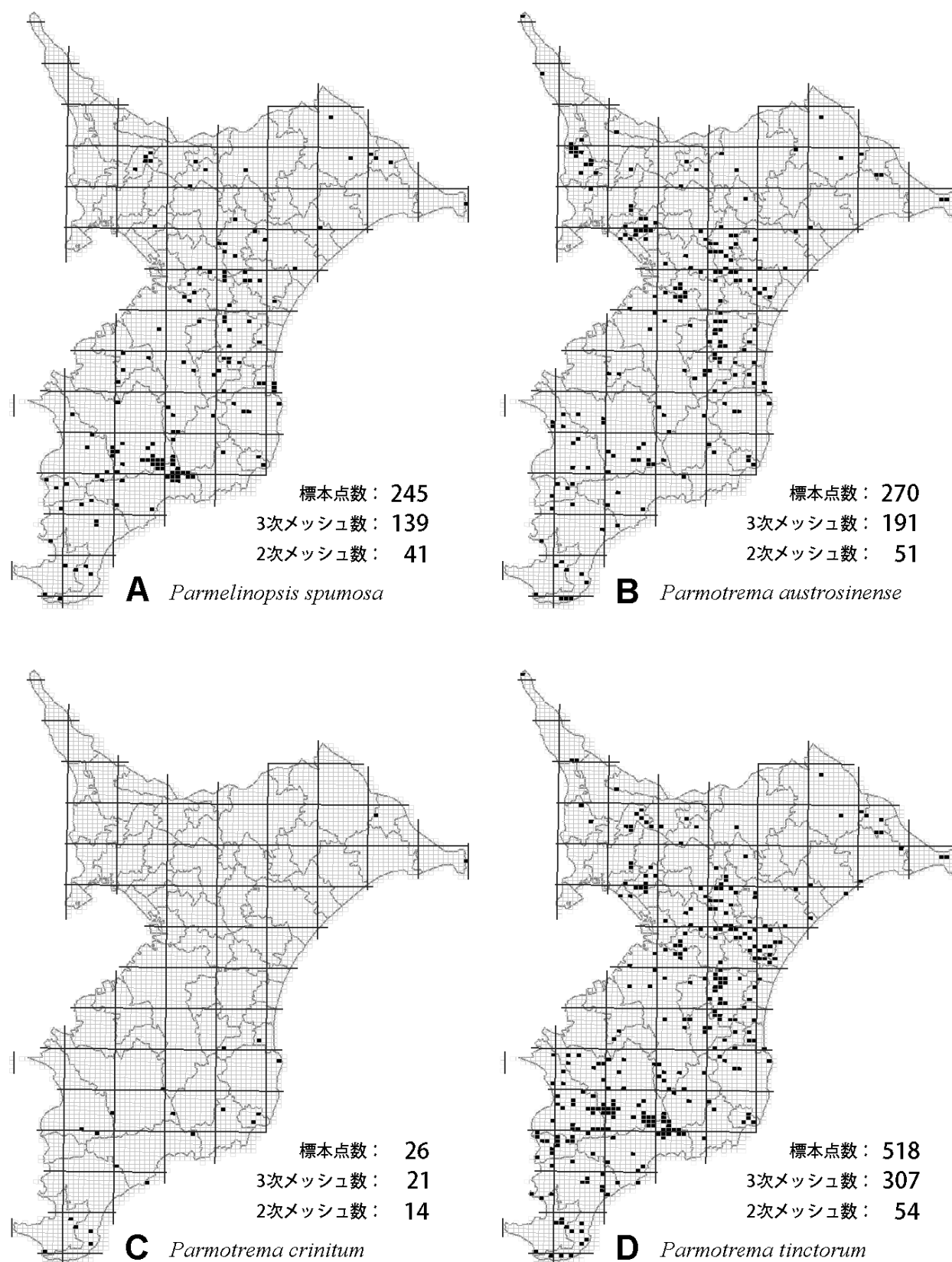


図8. ウメノキゴケ科葉状地衣の分布 (その6). A, *Parmelinopsis spumosa* コナヒメウメノキゴケ. B, *Parmotrema austrosinense* ナミガタウメノキゴケ. C, *Parmotrema crinitum* チヂレマツゲゴケ. D, *Parmotrema tinctorum* ウメノキゴケ.

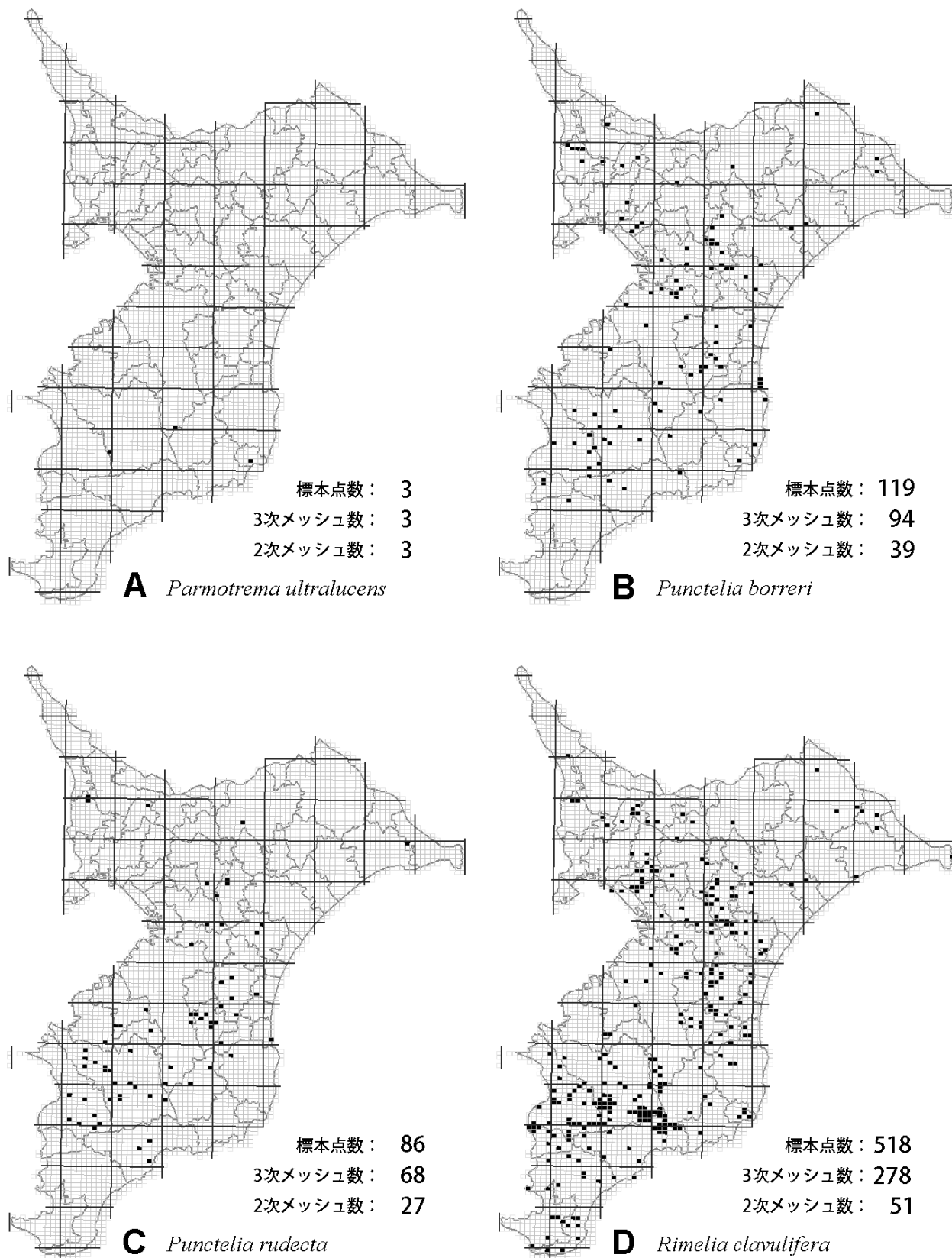


図9. ウメノキゴケ科葉状地衣の分布 (その7). A, *Parmotrema ultralucens* ウラグロマツゲゴケ. B, *Punctelia borreri* ハクテンゴケ. C, *Punctelia rudecta* トゲハクテンゴケ. D, *Rimelia clavulifera* マツゲゴケ.

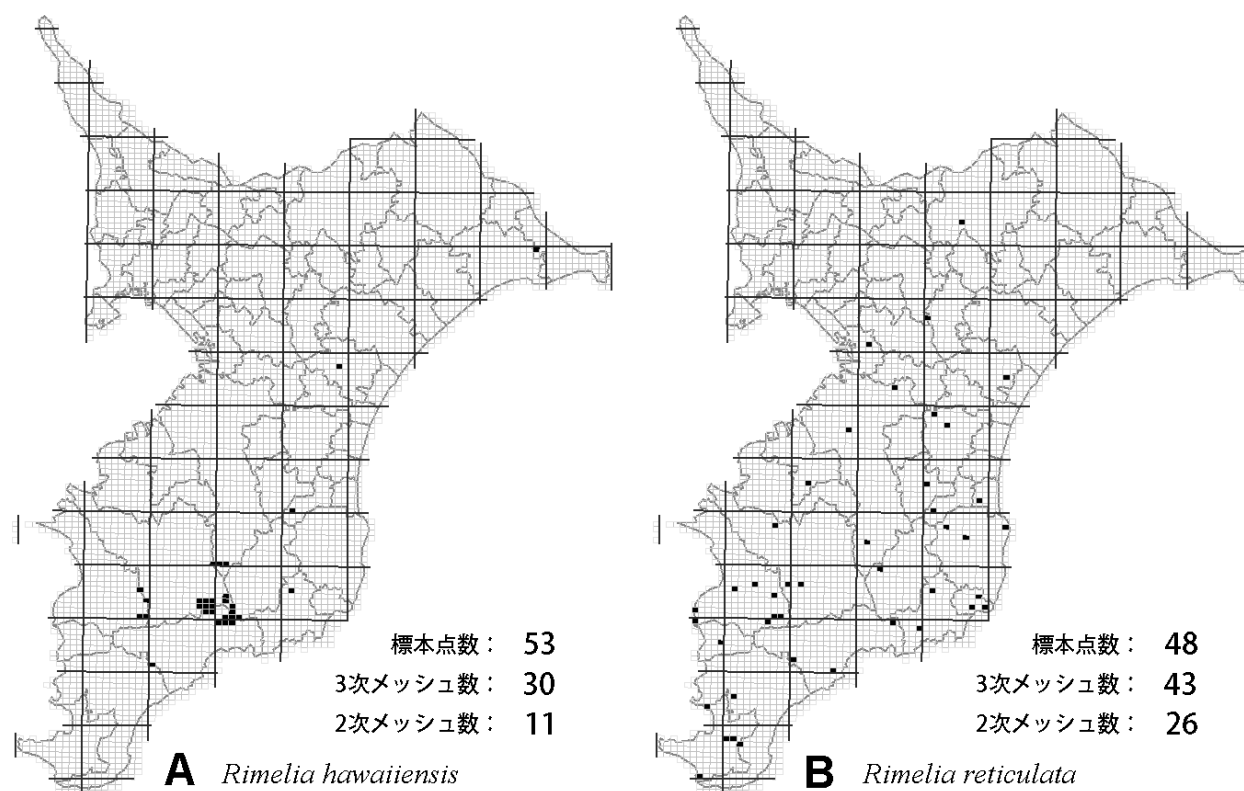


図10. ウメノキゴケ科葉状地衣の分布（その8）. A, *Rimelia hawaiiensis* クズレマツゲゴケ. B, *Rimelia reticulata* オオマツゲゴケ.

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