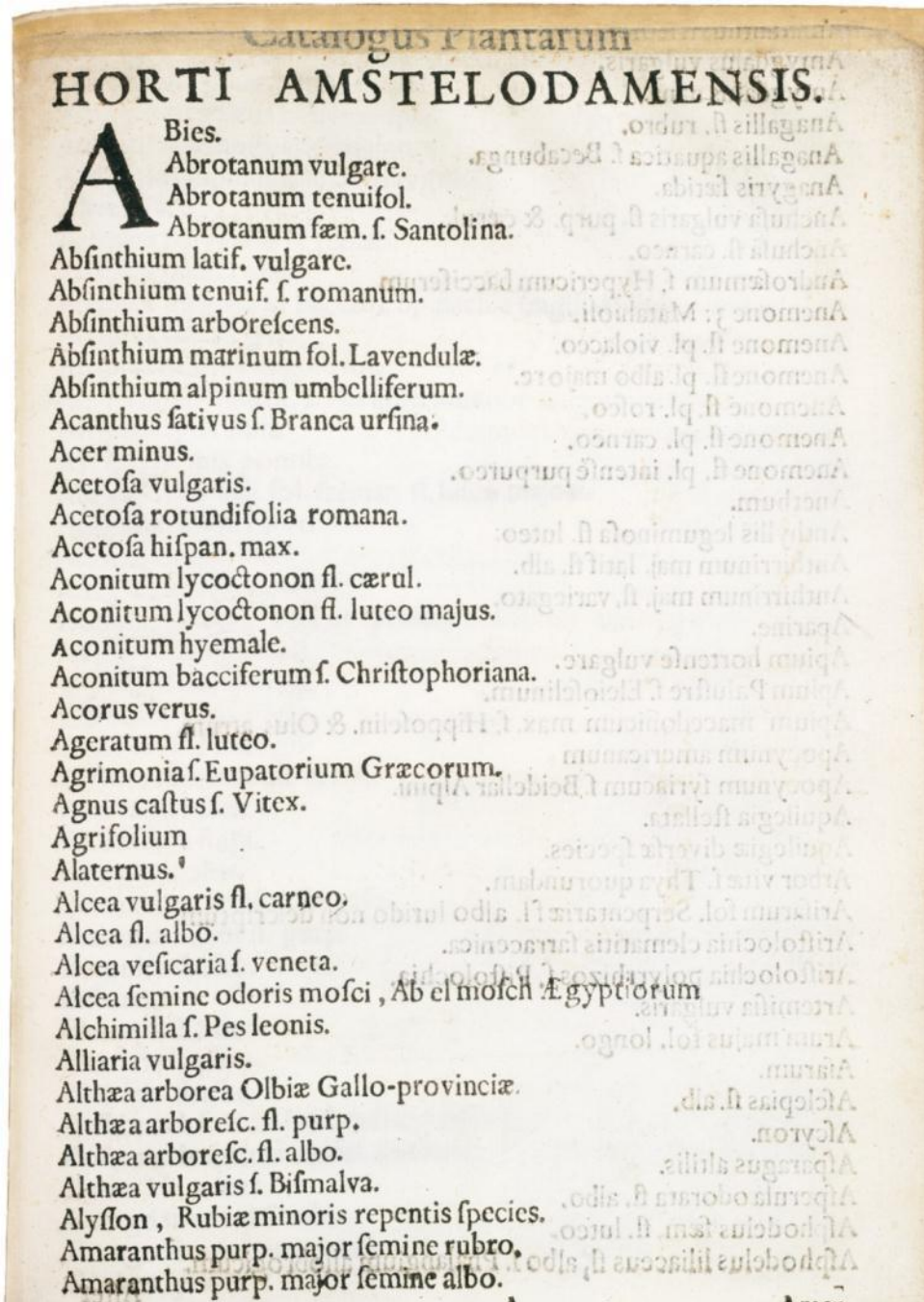


Index Seminum 2019

Hortus Botanicus Amsterdam (AMD), Netherlands



The first page of the first plant catalogue published by the Hortus in 1646, eight years after the garden was founded. The first index seminum of Hortus Botanicus Amsterdam was published in 1804 by Gerard Vrolik.

Index Seminum 2019

[Hortus Botanicus Amsterdam \(AMD\)](#)
Netherlands

Each order is limited to 25 numbers
Orders can be placed until April 1, 2019

We prefer orders to be posted online (see e-mail). Desiderata, signed and sent by post and received before April 1, will also be accepted. See page 31.

The seed list consists of two parts:

Wild collected pp. 3 to 7. Seeds collected in the wild from several locations in the Netherlands. See each record for details.

Garden collected pp. 8 to 20. Seeds collected from open-pollinated plants cultivated in the garden (incl. conservatories). When known, the origin of the mother plant is given.

All seeds were collected in 2018.

Classification is based on APG IV and the complementing publications in [Phytotaxa 19 \(2011\)](#). Scientific names of indigenous species follow Heukels Flora van Nederland (van der Meijden, 2005). Additionally, [The Plant List](#) is used for species not listed in [Kew's WCSP](#).

Have a great botanical season!

The Index Seminum team:
Chantal Posthouwer & Martin Smit (curators)
Jos van der Hoek (seed manager)

Index seminum online: dehortus.indexseminum.org

Tag: seminumsystem2019.



Please submit your desiderata online:
dehortus.indexseminum.org

2.

de hortus
Hortus Botanicus Amsterdam - anno 1638

Part 1 (collected in the wild): pp 3-7
Part 2 (collected in the garden): pp 8-20

Index Seminum 2019

Hortus Botanicus Amsterdam Netherlands

Each order is limited to 25 numbers
Orders can be placed until 2019-04-01

Part 1 Wild collected

Apiaceae

1 *Anthriscus sylvestris* (L.) Hoffm.

2018. Acc: 20180391, Ipen: XX-0-AMD-20180391, NLD: Noord-Holland, Callantsoog, Zwanenwater, location 10, 52,826958 | 4,703114. 2018-06-05. Van Der Hoek, J. (Jos); Jansen, P. (Peter); Posthouwer, C. (Chantal).

Aspleniaceae

2 *Asplenium ruta-muraria* L.

2018. Acc: 20180360, Ipen: XX-0-AMD-20180360, NLD: Zuid-Holland, Amsterdam, Latjesbrug, 52,369192 | 4,909597. 2018-05-29. Van der Hoek, J. (Jos); Jansen, P. (Peter); Posthouwer, C. (Chantal).

Asteraceae

3 *Cirsium palustre* (L.) Scop.

2018. Acc: 20180398, Ipen: XX-0-AMD-20180398, NLD: Noord-Holland, Callantsoog, Zwanenwater, location 15, 52,824913 | 4,703565. 2018-06-05. Van Der Hoek, J. (Jos); Jansen, P. (Peter); Posthouwer, C. (Chantal).

4 *Cotula coronopifolia* L.

2018. Acc: 20180584, Ipen: XX-0-AMD-20180584, NLD: Noord-Holland, Den Helder, De Nollen. 2018-09-04. van der Hoek, J.G.J.S. (Jos).

5 *Eupatorium cannabinum* L.

2018. Acc: 20180582, Ipen: XX-0-AMD-20180582, NLD: Noord-Holland, Den Helder, De Nollen. 2018-09-04. van der Hoek, J.G.J.S. (Jos)..

6 *Gnaphalium luteo-album* L.

2018. Acc: 20180588, Ipen: XX-0-AMD-20180588, NLD: Noord-Holland, Den Helder, De Nollen. 2018-09-04. van der Hoek, J.G.J.S. (Jos).

- 7 ***Hypochaeris radicata* L.**
2018. Acc: 20180586, Ipen: XX-0-AMD-20180586, NLD: Noord-Holland, Den Helder, De Nollen. 2018-09-04. van der Hoek, J.G.J.S. (Jos).
- 8 ***Lactuca serriola* L.**
2018. Acc: 20180583, Ipen: XX-0-AMD-20180583, NLD: Noord-Holland, Den Helder, De Nollen. 2018-09-04. van der Hoek, J.G.J.S. (Jos).
- 9 ***Pilosella officinarum* Vaill.**
2018. Acc: 20180404, Ipen: XX-0-AMD-20180404, NLD: Noord-Holland, Callantsoog, Zwanenwater, location 3, 52,829451 | 4,698243. 2018-06-05. Van Der Hoek, J. (Jos); Jansen, P. (Peter); Posthouwer, C. (Chantal).
- 10 ***Pulicaria dysenterica* (L.) Gaertn.**
2018. Acc: 20180589, Ipen: XX-0-AMD-20180589, NLD: Noord-Holland, Den Helder, De Nollen. 2018-09-04. van der Hoek, J.G.J.S. (Jos).
- 11 ***Tragopogon dubius* Scop.**
2018. Acc: 20180374, Ipen: XX-0-AMD-20180374, NLD: Zuid-Holland, Amsterdam, Prins Hendrikkade 500, 52,375783 | 4,903636. 2018-05-29. Van der Hoek, J. (Jos); Jansen, P. (Peter); Posthouwer, C. (Chantal).
- 12 ***Tripleurospermum maritimum* (L.) K.Koch**
2018. Acc: 20180585, Ipen: XX-0-AMD-20180585, NLD: Noord-Holland, Den Helder, De Nollen. 2018-09-04. van der Hoek, J.G.J.S. (Jos).

Boraginaceae

- 13 ***Echium vulgare* L.**
2018. Acc: 20180594, Ipen: XX-0-AMD-20180594, NLD: Noord-Holland, Den Helder, De Nollen. 2018-09-04. van der Hoek, J.G.J.S. (Jos).
- 14 ***Symphytum officinale* L.**
2018. Acc: 20180410, Ipen: XX-0-AMD-20180410, NLD: Noord-Holland, Callantsoog, Zwanenwater, location 15, 52,824913 | 4,703565. 2018-06-05. Van Der Hoek, J. (Jos); Jansen, P. (Peter); Posthouwer, C. (Chantal).

Brassicaceae

- 15 ***Lepidium ruderale* L.**
2018. Acc: 20180367, Ipen: XX-0-AMD-20180367, NLD: Zuid-Holland, Amsterdam, Ijtunnel, 52,372255 | 4,910433. 2018-05-29. Van der Hoek, J. (Jos); Jansen, P. (Peter); Posthouwer, C. (Chantal).

Caryophyllaceae

- 16 ***Arenaria serpyllifolia* L.**
2018. Acc: 20180359, Ipen: XX-0-AMD-20180359, NLD: Zuid-Holland, Amsterdam, Westerdoksdijk, 52,389482 | 4,891577. 2018-05-29. Van der Hoek, J. (Jos); Jansen, P. (Peter); Posthouwer, C. (Chantal).
- 17 ***Cerastium semidecandrum* L.**
2018. Acc: 20180397, Ipen: XX-0-AMD-20180397, NLD: Noord-Holland, Callantsoog, Zwanenwater, location 2, 52,829399 | 4,699187. 2018-06-05. Van Der Hoek, J. (Jos); Jansen, P. (Peter); Posthouwer, C. (Chantal).
- 18 ***Sagina procumbens* L.**

2018. Acc: 20180371, Ipen: XX-0-AMD-20180371, NLD: Zuid-Holland, Amsterdam, Schippersgracht, 52,370759 | 4,912018. 2018-05-29. Van der Hoek, J. (Jos); Jansen, P. (Peter); Posthouwer, C. (Chantal).

19 *Silene vulgaris* (Moench) Garcke

2018. Acc: 20180372, Ipen: XX-0-AMD-20180372, NLD: Zuid-Holland, Amsterdam, Westerdoksdijk, bij het stenen hoofd, 52,388766 | 4,891952. 2018-05-29. Van der Hoek, J. (Jos); Jansen, P. (Peter); Posthouwer, C. (Chantal).

20 *Spergularia marina* (L.) Griseb.

2018. Acc: 20180595, Ipen: XX-0-AMD-20180595, NLD: Noord-Holland, Den Helder, De Nollen. 2018-09-04. van der Hoek, J.G.J.S. (Jos).

21 *Spergularia rubra* (L.) J.Presl & C.Presl

2018. Acc: 20180373, Ipen: XX-0-AMD-20180373, NLD: Zuid-Holland, Amsterdam, Latjesbrug, 52,369192 | 4,909597. 2018-05-29. Van der Hoek, J. (Jos); Jansen, P. (Peter); Posthouwer, C. (Chantal).

Cyperaceae

22 *Bolboschoenus maritimus* (L.) Palla

2018. Acc: 20180600, Ipen: XX-0-AMD-20180600, NLD: Noord-Holland, Den Helder, De Nollen. 2018-09-04. van der Hoek, J.G.J.S. (Jos).

23 *Carex paniculata* L.

2018. Acc: 20180395, Ipen: XX-0-AMD-20180395, NLD: Noord-Holland, Callantsoog, Zwanenwater, location 11, 52,826741 | 4,70306. 2018-06-05. Van Der Hoek, J. (Jos); Jansen, P. (Peter); Posthouwer, C. (Chantal).

24 *Carex riparia* Curtis

2018. Acc: 20180396, Ipen: XX-0-AMD-20180396, NLD: Noord-Holland, Callantsoog, Zwanenwater, location 14, 52,825308 | 4,703329. 2018-06-05. Van Der Hoek, J. (Jos); Jansen, P. (Peter); Posthouwer, C. (Chantal).

25 *Eriophorum angustifolium* Honck.

2018. Acc: 20180401, Ipen: XX-0-AMD-20180401, NLD: Noord-Holland, Callantsoog, Zwanenwater, location 7, 52,827422 | 4,700185. 2018-06-05. Van Der Hoek, J. (Jos); Jansen, P. (Peter); Posthouwer, C. (Chantal).

26 *Schoenoplectus tabernaemontani* (C.C.Gmel.) Palla

2018. Acc: 20180601, Ipen: XX-0-AMD-20180601, NLD: Noord-Holland, Den Helder, De Nollen. 2018-09-04. van der Hoek, J.G.J.S. (Jos).

Dryopteridaceae

27 *Dryopteris dilatata* (Hoffm.) A.Gray

2018. Acc: 20180399, Ipen: XX-0-AMD-20180399, NLD: Noord-Holland, Callantsoog, Zwanenwater, location 8, 52,827921 | 4,700089. 2018-06-05. Van Der Hoek, J. (Jos); Jansen, P. (Peter); Posthouwer, C. (Chantal).

Elaeagnaceae

28 *Hippophae rhamnoides* L.

2018. Acc: 20180591, Ipen: XX-0-AMD-20180591, NLD: Noord-Holland, Den Helder, De Nollen. 2018-09-04. van der Hoek, J.G.J.S. (Jos).

Ericaceae

29 ***Empetrum nigrum* L.**

2018. Acc: 20180400, Ipen: XX-0-AMD-20180400, NLD: Noord-Holland, Callantsoog, Zwanenwater, location 1, 52,829865 | 4,699938. 2018-06-05. Van Der Hoek, J. (Jos); Jansen, P. (Peter); Posthouwer, C. (Chantal).

Fabaceae

30 ***Melilotus albus* Medik.**

2018. Acc: 20180592, Ipen: XX-0-AMD-20180592, NLD: Noord-Holland, Den Helder, De Nollen. 2018-09-04. van der Hoek, J.G.J.S. (Jos).

31 ***Trifolium fragiferum* L.**

2018. Acc: 20180590, Ipen: XX-0-AMD-20180590, NLD: Noord-Holland, Den Helder, De Nollen. 2018-09-04. van der Hoek, J.G.J.S. (Jos).

Juncaceae

32 ***Juncus conglomeratus* L.**

2018. Acc: 20180402, Ipen: XX-0-AMD-20180402, NLD: Noord-Holland, Callantsoog, Zwanenwater, location 16, 52,824119 | 4,704015. 2018-06-05. Van Der Hoek, J. (Jos); Jansen, P. (Peter); Posthouwer, C. (Chantal).

33 ***Juncus gerardii* Loisel.**

2018. Acc: 20180599, Ipen: XX-0-AMD-20180599, NLD: Noord-Holland, Den Helder, De Nollen. 2018-09-04. van der Hoek, J.G.J.S. (Jos).

34 ***Juncus subnodulosus* Schrank**

2018. Acc: 20180598, Ipen: XX-0-AMD-20180598, NLD: Noord-Holland, Den Helder, De Nollen. 2018-09-04. van der Hoek, J.G.J.S. (Jos).

Orobanchaceae

35 ***Euphrasia stricta* J.P.Wolff ex J.F.Lehm.**

2018. Acc: 20180581, Ipen: XX-0-AMD-20180581, NLD: Noord-Holland, Den Helder, De Nollen. 2018-09-04. van der Hoek, J.G.J.S. (Jos).

36 ***Odontites vernus* (Bellardi) Dumort. subsp. *serotinus* (Syme) Corb.**

2018. Acc: 20180579, Ipen: XX-0-AMD-20180579, NLD: Noord-Holland, Den Helder, De Nollen. 2018-09-04. van der Hoek, J.G.J.S. (Jos).

37 ***Rhinanthus angustifolius* C.C.Gmel.**

2018. Acc: 20180580, Ipen: XX-0-AMD-20180580, NLD: Noord-Holland, Den Helder, De Nollen. 2018-09-04. van der Hoek, J.G.J.S. (Jos).

Poaceae

38 ***Aira praecox* L.**

2018. Acc: 20180357, Ipen: XX-0-AMD-20180357, NLD: Zuid-Holland, Amsterdam, Van Diemenkade, 52,390569 | 4,887028. 2018-05-29. Van der Hoek, J. (Jos); Jansen, P. (Peter); Posthouwer, C. (Chantal).

39 ***Anisantha madritensis* (L.) Nevski**

2018. Acc: 20180358, Ipen: XX-0-AMD-20180358, NLD: Zuid-Holland, Amsterdam, Prins Hendrikkade, 52,373451 | 4,906806. 2018-05-29. Van der Hoek, J. (Jos); Jansen, P. (Peter); Posthouwer, C. (Chantal).

40 *Bromus hordeaceus* L.

2018. Acc: 20180363, Ipen: XX-0-AMD-20180363, NLD: Zuid-Holland, Amsterdam, Westerdoksdijk, 52,389482 | 4,891577. 2018-05-29. Van der Hoek, J. (Jos); Jansen, P. (Peter); Posthouwer, C. (Chantal).

41 *Bromus hordeaceus* L.

2018. Acc: 20180392, Ipen: XX-0-AMD-20180392, NLD: Noord-Holland, Callantsoog, Zwanenwater, location 1, 52,829865 | 4,699938. 2018-06-05. Van Der Hoek, J. (Jos); Jansen, P. (Peter); Posthouwer, C. (Chantal).

42 *Bromus tectorum* L.

2018. Acc: 20180364, Ipen: XX-0-AMD-20180364, NLD: Zuid-Holland, Amsterdam, Nieuwe Herengracht 143, 52,368777 | 4,908912. 2018-05-29. Van der Hoek, J. (Jos); Jansen, P. (Peter); Posthouwer, C. (Chantal).

Polygonaceae

43 *Rumex acetosa* L.

2018. Acc: 20180408, Ipen: XX-0-AMD-20180408, NLD: Noord-Holland, Callantsoog, Zwanenwater, location 1, 52,829865 | 4,699938. 2018-06-05. Van Der Hoek, J. (Jos); Jansen, P. (Peter); Posthouwer, C. (Chantal).

Ranunculaceae

44 *Caltha palustris* L.

2018. Acc: 20180393, Ipen: XX-0-AMD-20180393, NLD: Noord-Holland, Callantsoog, Zwanenwater, location 12, 52,826391 | 4,703565. 2018-06-05. Van Der Hoek, J. (Jos); Jansen, P. (Peter); Posthouwer, C. (Chantal).

45 *Ranunculus circinatus* Sibth.

2018. Acc: 20180407, Ipen: XX-0-AMD-20180407, NLD: Noord-Holland, Callantsoog, Zwanenwater, location 18, 52,824239 | 4,706826. 2018-06-05. Van Der Hoek, J. (Jos); Jansen, P. (Peter); Posthouwer, C. (Chantal).

Violaceae

46 *Viola canina* L.

2018. Acc: 20180415, Ipen: XX-0-AMD-20180415, NLD: Noord-Holland, Callantsoog, Zwanenwater, location 9, 52,827415 | 4,703393. 2018-06-05. Van Der Hoek, J. (Jos); Jansen, P. (Peter); Posthouwer, C. (Chantal).

47 *Viola curtisii* E.Forst.

2018. Acc: 20180416, Ipen: XX-0-AMD-20180416, NLD: Noord-Holland, Callantsoog, Zwanenwater, location 9, 52,827415 | 4,703393. 2018-06-05. Van Der Hoek, J. (Jos); Jansen, P. (Peter); Posthouwer, C. (Chantal).

Part 2 Garden collected

Amaranthaceae

- 48 ***Chenopodium bonus-henricus* L.**
2018. Acc: 20031216, Ipen: CH-0-AMD-20031216, CHE: St. Gallen, Alt St. Johann, Churfürsten, 1720 m.

Amaryllidaceae

- 49 ***Allium altaicum* Pall.**
2018. Acc: 20071197, Ipen: RU-0-BONN-25019, RUS: Altay, Aigulaksij, Gebirgskette bei Aktsch, 2200 m, 50 09 48 N - 88 16 08 E. 2002-08-19. Friesen, N..
- 50 ***Allium carinatum* L.**
2018. Acc: 20180166, Ipen: XX-0-AMD-20180166.
- 51 ***Allium cristophii* Trautv.**
2018. Acc: 20070131, Ipen: XX-0-AMD-20070131.
- 52 ***Allium pskemense* B.Fedtsch.**
2018. Acc: 20071136, Ipen: UZ-0-AMD-20071136, UZB: Ugam Mtn. Range, Urungachsay, 2650 m.
- 53 ***Allium thunbergii* G.Don**
2018. Acc: 20050060, Ipen: XX-0-AMD-20050060.

Annonaceae

- 54 ***Artabotrys hexapetalus* (L.f.) Bhandari**
2018. Acc: 19930203, Ipen: XX-0-AMD-19930203.

Apiaceae

- 55 ***Carum verticillatum* W.D.J.Koch**
2018. Acc: 20120100, Ipen: FR-0-MJG-200201805, FRA: Loire-Atlantique, Saint-Mars de Coutais, 'L'Effèterie'.
- 56 ***Eryngium foetidum* L.**
2018. Acc: 20130089, Ipen: CU-1-B-0960109, CUB: Camagüey, Between Las Cruces and Telemaco, ca. 11km ESE from Camagüey, 125 m, 21 20 33 N x 77 49 26 W. 2008-02-25. Witt.
- 57 ***Oenanthe crocata* L.**
2018. Acc: 19941065, Ipen: XX-0-AMD-19941065.
- 58 ***Peucedanum ostruthium* (L.) W.D.J.Koch**
2018. Acc: 20111101, Ipen: XX-0-AMD-20111101.
- 59 ***Smyrniium perfoliatum* L.**
2018. Acc: B5129, Ipen: XX-0-AMD-B5129.

Apocynaceae

- 60 ***Acokanthera oblongifolia* (Hochst.) Codd**
2018. Acc: B0045, Ipen: XX-0-AMD-B0045.

- 61 ***Asclepias curassavica* L.**
2018. Acc: A2991, Ipen: XX-0-AMD-A2991.
- 62 ***Asclepias incarnata* L.**
2018. Acc: 20140083, Ipen: CA-0-AMD-20140083, CAN: Québec, MRC Maskinongé: Maskinongé, 5 m, 46°11'39.38"N x 73°0'9.93"W. 2013-09-17. Bailleul, S.M., Coursol, F., Rinfret-Pilon, A., Gaudette, R..
- 63 ***Asclepias syriaca* L.**
2018. Acc: 20140173, Ipen: US-0-AMD-20140173, USA: Michigan, Clinton county, Intersection of Stoll and Peacock roads, Wet Ditch Plants, 256 m, 42°47'54.6"N | 84°22'24"W. 2012-10-25.
- 64 ***Vincetoxicum hirundinaria* Medik.**
2018. Acc: 20120065, Ipen: DE-0-JENA-591, DEU: Thüringen, Kahla: Reinstädt.

Aquifoliaceae

- 65 ***Ilex perado* Aiton subsp. *platyphylla* (Webb & Berthel.) Tutin**
2018. Acc: 20040158, Ipen: ES-0-BONN-17772, ESP: Canary Islands, Tenerife, Anaga, Monte de las Mercedes. 1991. G. Seehawer.

Araceae

- 66 ***Aglaonema nitidum* (Jack) Kunth**
2018. Acc: A3284, Ipen: XX-0-AMD-A3284.
- 67 ***Arum orientale* M.Bieb.**
2018. Acc: B4764, Ipen: XX-0-AMD-B4764.
- 68 ***Calla palustris* L.**
2018. Acc: 20080046, Ipen: XX-0-AMD-20080046.
- 69 ***Zantedeschia aethiopica* (L.) Spreng.**
2018. Acc: C0759, Ipen: XX-0-AMD-C0759.

Araliaceae

- 70 ***Aralia cordata* Thunb. var. *sachalinensis* (Regel) Nakai**
2018. Acc: 20061617, Ipen: RU-0-AMD-20061617, RUS: Sakhalin. 1978.

Asparagaceae

- 71 ***Albuca bracteata* (Thunb.) J.C.Manning & Goldblatt**
2018. Acc: 19960090, Ipen: XX-0-AMD-19960090.
- 72 ***Chlorophytum filipendulum* subsp. *amaniense* (Engl.) Nordal & A.D.Poulsen**
2018. Acc: A2838, Ipen: XX-0-AMD-A2838.
- 73 ***Paradisea lusitanica* (Cout.) Samp.**
2018. Acc: 19911506, Ipen: XX-0-AMD-19911506.
- 74 ***Ruscus aculeatus* L.**
2018. Acc: 20070071, Ipen: XX-0-AMD-20070071.

Asphodelaceae

- 75 ***Aloe deltoideodonta* var. *ruffingiana* (Rauh & Petignat) J.-B.Castillon & J.-P.Castillon**
2018. Acc: 20050126, Ipen: MG-0-AMD-20050126, MDG: Tolanaro. PETIGNAT, H..
- 76 ***Bulbinella cauda-felis* (L.f.) T.Durand & Schinz**
2018. Acc: 20110112, Ipen: XX-0-BAS-2447/1999.

Asteraceae

- 77 ***Ageratum conyzoides* (L.) L.**
2018. Acc: 20061885, Ipen: NP-0-AMD-20061885, NPL: Katmandu, city centre, near temple complex. 2005-11-28. van der Hoek, J.G.J.S. (Jos).
- 78 ***Ageratum houstonianum* Mill.**
2018. Acc: 20061996, Ipen: NP-0-AMD-20061996, NPL: Katmandu, city centre, near temple complex. 2005-11-28. van der Hoek, J.G.J.S. (Jos).
- 79 ***Aster iinumae* Kitam ex.Hara**
2018. Acc: 20061045, Ipen: JP-0-GENT-20010361, JPN: Honshu, Tochigi Prefecture. 2005. Nasu.
- 80 ***Carlina acaulis* L.**
2018. Acc: 20140209, Ipen: DE-0-TUEB-4873, DEU: Baden-Württemberg, Lkr. BL, Salmendingen, Weißer Jura, 850 m. 2011-09-29. Frantz, J..
- 81 ***Carlina vulgaris* L.**
2018. Acc: 20140211, Ipen: DE-0-TUEB-4874, DEU: Baden-Württemberg, Lkr. Tü, Roseck, Bunter Mergel, 440 m. 2011-09-24. Frantz, J..
- 82 ***Cirsium oleraceum* (L.) Scop.**
2018. Acc: 20051683, Ipen: CH-0-AMD-20051683, CHE: Zürich, near Hardhof, along river Limnat. 2005-08-13. van Proosdij, A.S.J..
- 83 ***Echinops sphaerocephalus* L.**
2018. Acc: 20140063, Ipen: DE-0-JENA -7530293, DEU: Thüringen, Jena, Schottplatz. 2013-09-24. Krause, D. (Dagmar).
- 84 ***Eupatorium cannabinum* L.**
2018. Acc: 19920088, Ipen: NL-0-AMD-19920088, NLD: Noord-Holland, Heerhugowaard, volkstuienencomplex 'de Vork'. van der Hoek, J.G.J.S. (Jos).
- 85 ***Hieracium umbellatum* L.**
2018. Acc: 20081356, Ipen: NL-0-AMD-20081356, NLD: Noord-Holland, Castricum: Noordhollands Duinreservaat, 3 m, 52 32 27 N - 04 36 59 E. 2008-09-26. van Proosdij, van der Hoek & Verbeek.
- 86 ***Rudbeckia laciniata* L.**
2018. Acc: 20120329, Ipen: CA-0-AMD-20120329, CAN: Ontario, Brown's Point, Niagara-on-the- Lake, 43 11 59 N - 79 3 17 W. 2011.
- 87 ***Solidago virgaurea* L.**
2018. Acc: 20070118, Ipen: XX-0-AMD-20070118.
- 88 ***Tanacetum parthenium* (L.) Sch.Bip.**
2018. Acc: 20101033, Ipen: DE-0-BONN-9271, DEU: Rheinland-Pfalz, Oberzissen, Burgruine Olbrück bei Hain. 1992-09. LOBIN.

Begoniaceae

- 89 ***Begonia hirtella* Link**
2018. Acc: 20170491, Ipen: XX-0-AMD-20170491.

Boraginaceae

- 90 ***Cynoglossum officinale* L.**
2018. Acc: 20140068, Ipen: EE-0-AMD-20140068, EST: Saaremaa, Kihelkonna Community, Harilaid,. 2013.
- 91 ***Lithospermum officinale* L.**
2018. Acc: 20101077, Ipen: HU-0-AMD-20101077, HUN: Lake Balaton area, N coast, at Köhegy, near village Vörösberény. 2009. Kósa, G..

Brassicaceae

- 92 ***Arabis soyeri* Reut. & Huet**
2018. Acc: 20011091, Ipen: XX-0-AMD-20011091.
- 93 ***Bunias orientalis* L.**
2018. Acc: 20180169, Ipen: XX-0-AMD-20180169.
- 94 ***Erysimum cheiri* (L.) Crantz**
2018. Acc: 20101024, Ipen: FR-0-AMD-20101024, FRA: L'Aiguillon-sur-Mer (Vendée), Rocher de la Dive. 2009.
- 95 ***Isatis tinctoria* L.**
2018. Acc: 20051438, Ipen: NL-0-AMD-20051438, NLD: Gelderland, near Nijmegen, banks of the Waal river, 51 52 N - 06 01 E.
- 96 ***Lunaria rediviva* L.**
2018. Acc: 20021388, Ipen: CH-0-AMD-20021388, CHE: Glarus, above Lintals, Glaner Alpen. Finkel, K..
- 97 ***Sisymbrium luteum* (Maxim.) O.E.Schulz**
2018. Acc: B5109, Ipen: XX-0-AMD-B5109.

Bromeliaceae

- 98 ***Dyckia goiana* L.B.Sm.**
2018. Acc: 20150110, Ipen: XX-0-AMD-20150110.
- 99 ***Tillandsia bulbosa* Hook.**
2018. Acc: A3090, Ipen: XX-0-AMD-A3090.
- 100 ***Tillandsia xerographica* Rohweder**
2018. Acc: 20040204, Ipen: XX-0-AMD-20040204.

Campanulaceae

- 101 ***Campanula trachelium* L.**
2018. Acc: 19853654, Ipen: XX-0-AMD-19853654.
- 102 ***Hippobroma longiflora* (L.) G.Don**
2018. Acc: 20061042, Ipen: RE-0-GENT-20031190, REU: Saint-Benoit, Bethléem.

Cannaceae

- 103 ***Canna indica* L.**

2018. Acc: 20002961, Ipen: XX-0-AMD-20002961.

Capparaceae

104 *Cleoserrata serrata* (Jacq.) Iltis

2018. Acc: 20061175, Ipen: GT-0-AMD-20061175, GTM: Prov. Alta Verapaz, from Rocjá Pontilá along Rio Kixpur, 180 m.

Caprifoliaceae

105 *Lonicera conjugialis* Kellogg

2018. Acc: 20140400, Ipen: XX-0-AMD-20140400.

106 *Morina longifolia* Wall. ex DC.

2018. Acc: 20140065, Ipen: xx-0-M-1985/0416.

Caryophyllaceae

107 *Saponaria officinalis* L.

2018. Acc: 20021342, Ipen: NL-0-AMD-20021342, NLD: Noord-Holland, Near IJmuiden. 2002-08-22. van Proosdij, A.S.J. & Punselie, J.

108 *Silene nutans* L.

2018. Acc: 20081418, Ipen: NL-0-AMD-20081418, NLD: Noord-Holland, Noordhollands Duinreservaat, S of Egmond aan Zee: de Waterkuilen. 2008-11-17. van der Hoek, J.G.J.S. (Jos).

109 *Silene viridiflora* L.

2018. Acc: 19892116, Ipen: XX-0-AMD-19892116.

Colchicaceae

110 *Gloriosa superba* L. 'Rothschildiana'

2018. Acc: 19892634, Ipen: XX-0-AMD-19892634.

Commelinaceae

111 *Pollia crispata* (R.Br.) Benth.

2018. Acc: 20031383, Ipen: AU-0-AMD-20031383, AUS: New South Wales, 20 m, 30 18 S - 153 07 E. 2000-07-15.

Costaceae

112 *Costus pulverulentus* C.Presl

2018. Acc: 20061108, Ipen: XX-0-AMD-20061108.

Crassulaceae

113 *Sedum hispanicum* L.

2018. Acc: B3155, Ipen: XX-0-AMD-B3155.

Cunoniaceae

114 *Cunonia capensis* L.

2018. Acc: C0647, Ipen: XX-0-AMD-C0647.

Cyatheaceae

- 115 ***Cyathea cooperi* (F.Muell.) Domin**
2018. Acc: 20020182, Ipen: XX-0-AMD-20020182.

Cyperaceae

- 116 ***Carex muskingumensis* Schwein.**
2018. Acc: 20050052, Ipen: XX-0-AMD-20050052.
- 117 ***Carex sylvatica* Huds.**
2018. Acc: 20051089, Ipen: FR-0-AMD-20051089, FRA: Dep. Maine-et-Loire; Beaulieu-sur-Layon, 'Forêt de Beaulieu'.
- 118 ***Scirpus cyperinus* (L.) Kunth**
2018. Acc: 20051778, Ipen: US-0-AMD-20051778, USA: Virginia, Gloucester county. 2005. Sawyer, M..

Dicksoniaceae

- 119 ***Dicksonia antarctica* Labill.**
2018. Acc: 19980111, Ipen: XX-0-AMD-19980111.
- 120 ***Dicksonia antarctica* Labill.**
2018. Acc: 20140242, Ipen: XX-0-AMD-20140242.

Dioscoreaceae

- 121 ***Tacca integrifolia* Ker Gawl.**
2018. Acc: A2976, Ipen: XX-0-AMD-A2976.

Dryopteridaceae

- 122 ***Cyrtomium falcatum* (L.f.) C.Presl**
2018. Acc: A3218, Ipen: XX-0-AMD-A3218.

Erythroxylaceae

- 123 ***Erythroxylum coca* Lam.**
2018. Acc: A0508, Ipen: XX-0-AMD-A0508.

Fabaceae

- 124 ***Astragalus cicer* L.**
2018. Acc: B5347, Ipen: XX-0-AMD-B5347.
- 125 ***Codariocalyx motorius* (Houtt.) H.Obashi**
2018. Acc: 20160298, Ipen: XX-0-AMD-20160298.
- 126 ***Erythrina crista-galli* L.**
2018. Acc: C0024, Ipen: XX-0-AMD-C0024.
- 127 ***Hippocrepis emerus* (L.) Lassen**
2018. Acc: 20030069, Ipen: IT-0-AMD-20030069, ITA: Mt. San Giorgio, Sasso Caldo sopra Porto Ceresio, 800 m. 2003-04-25. van Proosdij, A.S.J..
- 128 ***Kennedia macrophylla* Meisn.**
2018. Acc: 20031090, Ipen: XX-0-AMD-20031090.
- 129 ***Lathyrus niger* (L.) Bernh.**

2018. Acc: 20170415, Ipen: XX-0-AMD-20170415.
- 130 *Mimosa pigra* L.**
2018. Acc: A3058, Ipen: XX-0-AMD-A3058.
- 131 *Mimosa pudica* L.**
2018. Acc: 20002689, Ipen: PE-0-AMD-20002689, PER: Pilcopatta-Manu, Madre Dios, 1250 m. Bezuijen, X..
- 132 *Senna obtusifolia* (L.) H.S.Irwin & Barneby**
2018. Acc: 20051661, Ipen: XX-0-AMD-20051661.
- 133 *Senna septemtrionalis* (Viv.) H.S.Irwin & Barneby**
2018. Acc: 20041549, Ipen: CL-0-AMD-20041549, COL: Quindio, Cordillera de Central, Between Armenia and Calarca, 1700 m, 4,527827 | -75,658722. 2004-08-27. Cleef.
- 134 *Vicia orobus* DC.**
2018. Acc: 20170416, Ipen: XX-0-AMD-20170416.

Fransoosio

- 135 *Francoa sonchifolia* Cav.**
2018. Acc: 19942277, Ipen: XX-0-AMD-19942277.

Geraniio

- 136 *Geranium koraiense* Nakai**
2018. Acc: 20071573, Ipen: KR-0-AMD-20071573, KOR: Chungchong Pukto, Mt. Sobaek, 1394 m.
- 137 *Geranium yoshinoi* Makino ex Nakai**
2018. Acc: 20111096, Ipen: XX-0-AMD-20111096.
- 138 *Pelargonium ranunculophyllum* (Eckl. & Zeyh.) Baker**
2018. Acc: 20051072, Ipen: XX-0-AMD-20051072.

Haloragio

- 139 *Haloragis masafuerana* Skottsbo.**
2018. Acc: 20051806, Ipen: XX-0-AMD-20051806.

Hyperio

- 140 *Hypericum patulum* Thunb.**
2018. Acc: 20001430, Ipen: XX-0-AMD-20001430.

Hypoxio

- 141 *Hypoxis hemerocallidea* Fisch., C.A.Mey. & Avé-Lall.**
2018. Acc: 20061812, Ipen: XX-0-AMD-20061812, 2004-12.

Iridio

- 142 *Dierama igneum* Klatt**
2018. Acc: 20110252, Ipen: XX-0-AMD-20110252.
- 143 *Dierama pulcherrimum* (Hook.f.) Baker**
2018. Acc: 20110253, Ipen: XX-0-AMD-20110253.

- 144 *Iris sibirica* L.
2018. Acc: B5404, Ipen: XX-0-AMD-B5404.

Juglandaceae

- 145 *Carya laciniosa* (F.Michx.) Loudon
2018. Acc: B4499, Ipen: XX-0-AMD-B4499.

Lamiaceae

- 146 *Callicarpa japonica* Thunb.
2018. Acc: 20140198, Ipen: JP-0-AMD-20140198, JPN: Kyoto Prefecture, Ashiu, 355 - 959 m. 2013-10-08.
- 147 *Leonurus cardiaca* L.
2018. Acc: 20061075, Ipen: DE-0-AMD-20061075, DEU: Brandenburg, Buchholz / Märkisch-Oderland.
- 148 *Plectranthus venterii* Van Jaarsv. & L.Hankey
2018. Acc: 20150151, Ipen: ZA-0-AMD-20150151, Smit, M.F. (Martin).
- 149 *Pogostemon cablin* (Blanco) Benth.
2018. Acc: 19952387, Ipen: XX-0-AMD-19952387.

Lauraceae

- 150 *Cinnamomum japonicum* Siebold
2018. Acc: C1446, Ipen: XX-0-AMD-C1446.

Liliaceae

- 151 *Lilium tsingtauense* Gilg
2018. Acc: 20071420, Ipen: KR-0-AMD-20071420, KOR: Deogyusan (Mt.), Jeollabuk-do, 35 57 N - 127 45 E. 2006.

Lythraceae

- 152 *Heimia salicifolia* (Kunth) Link
2018. Acc: B5222, Ipen: XX-0-AMD-B5222.

Malvaceae

- 153 *Althaea officinalis* L.
2018. Acc: 20061932, Ipen: FR-0-AMD-20061932, FRA: Le Massif Armoricain, Donges, "Tour aux Moutons", Département Loire-Atlantique,. 2005.
- 154 *Kitaibelia vitifolia* Willd.
2018. Acc: B5224, Ipen: XX-0-AMD-B5224.
- 155 *Malva multiflora* (Cav.) Soldano, Banfi & Galasso
2018. Acc: 20170417, Ipen: XX-0-AMD-20170417.
- 156 *Malva sylvestris* L.
2018. Acc: 20091048, Ipen: DE-0-WURZB-06-99-Z-10, DEU: Bayern, Landkreis Würzburg, Veitshöchheim, Weinberg. 2006-07-09. G. Vogg.
- 157 *Pavonia spinifex* (L.) Cav.
2018. Acc: 19891778, Ipen: XX-0-AMD-19891778.

Marantaceae

- 158 *Marantochloa leucantha* (K.Schum.) Milne-Redh.
2018. Acc: 19922288, Ipen: XX-0-AMD-19922288.

Melanthiaceae

- 159 *Paris quadrifolia* L.
2018. Acc: B2022, Ipen: XX-0-AMD-B2022.

Melastomataceae

- 160 *Gravesia guttata* (Hook.) Triana
2018. Acc: 20140307, Ipen: XX-0-BURDI-2006-0914003.
- 161 *Macrocentrum cristatum* (DC.) Triana
2018. Acc: 20140064, Ipen: xx-0-LZ-I67-2012.
- 162 *Triolena hirsuta* (Benth.) Triana
2018. Acc: 20140208, Ipen: xx-0-tueb-7048.

Myrtaceae

- 163 *Callistemon speciosus* (Sims) Sweet
2018. Acc: 19981094, Ipen: XX-0-AMD-19981094.
- 164 *Psidium cattleianum* Sabine
2018. Acc: C0997, Ipen: XX-0-AMD-C0997.
- 165 *Syzygium paniculatum* Gaertn.
2018. Acc: C0684, Ipen: XX-0-AMD-C0684.

Nartheciaceae

- 166 *Narthecium ossifragum* (L.) Huds.
2018. Acc: 20010075, Ipen: XX-0-AMD-20010075.

Onagraceae

- 167 *Fuchsia arborescens* Sims
2018. Acc: 19801371, Ipen: MX-0-AMD-19801371, MEX: Cd. Valles to Cd. Maute, Near Gustavo Garmendia. 1985-07-30. Hendriks, T..
- 168 *Fuchsia paniculata* Lindl. subsp. *paniculata*
2018. Acc: 20031095, Ipen: PA-1-U-80GR00318, PAN: Chiriqui Mt., 2 km N of Cerro Punta, near Guadalupe, 1800 m. MAAS.
- 169 *Fuchsia procumbens* R.Cunn.
2018. Acc: 20020255, Ipen: XX-0-AMD-20020255.
- 170 *Kneiffia pumila* Spach
2018. Acc: B4177, Ipen: XX-0-AMD-B4177.

Orobanchaceae

- 171 *Orobanche hederæ* Duby
2018. Acc: 20021393, Ipen: NL-0-AMD-20021393, NLD: Zuid-Holland, Leiden, Churchillaan, near Churchillbrug. 2002-09-16. Wetselaar, B..
- 172 *Orobanche lucorum* A.Braun ex F.W.Schultz

2018. Acc: 19921697, Ipen: XX-0-AMD-19921697.

Paeoniaceae

173 *Paeonia delavayi* Franch.

2018. Acc: 20031015, Ipen: CN-0-AMD-20031015, CHN: Tibet, S Tibet, Tsangpo Valley, 3120 m.

Papaveraceae

174 *Corydalis ophiocarpa* Hook.f. & Thomson

2018. Acc: 20180458, Ipen: XX-0-AMD-20180458.

175 *Glaucium flavum* Crantz

2018. Acc: 20071235, Ipen: NL-0-L-2006Z098, NLD: Zuid-Holland, Oostvoorne, 51 55 N - 4 04 E. 2006.

176 *Glaucium flavum* Crantz

2018. Acc: 20140028, Ipen: XX-0-AMD-20140028.

177 *Papaver atlanticum* (Ball) Coss.

2018. Acc: 20170295, Ipen: XX-0-AMD-20170295.

Petiveriaceae

178 *Petiveria alliacea* L.

2018. Acc: A3194, Ipen: XX-0-AMD-A3194.

179 *Rivina humilis* L.

2018. Acc: A2124, Ipen: XX-0-AMD-A2124.

Plantaginaceae

180 *Erinus alpinus* L.

2018. Acc: 20170353, Ipen: XX-0-AMD-20170353.

181 *Penstemon ovatus* Douglas

2018. Acc: 20071484, Ipen: US-0-AMD-20071484, USA: Washington, Skamania County: Basaltic outcrop in roadcut above State Route 14, 50 m E of junction with Belle Center Road, 5.5 miles E of Washougal, 11.0 miles W of Beacon Rock. Section 17, Township 1 North, Range 5 East, 45 33 58 N | 122 13 03 W. 2000-09-08.

182 *Tetranema roseum* (M.Martens & Galeotti) Standl. & Steyerm.

2018. Acc: 20120022, Ipen: XX-0-AMD-20120022.

183 *Veronica officinalis* L.

2018. Acc: 19972467, Ipen: CH-1-AMD-19972467, CHE: Haute Savoie, 1130 m.

Plumbaginaceae

184 *Armeria maritima* (Mill.) Willd.

2018. Acc: 20140153, Ipen: DE-0-HBG-2013-S-137, DEU: Schleswig-Holstein, Kreis Nordfriesland, Nebel auf Amrum. 2013-10-20. Woest, M. (Manfred).

Poaceae

185 *Bromus tectorum* L.

2018. Acc: 20061991, Ipen: NL-0-AMD-20061991, NLD: Noord-Holland, Amsterdam, Entrepotdok. 2006-07-19. van der Hoek, J.G.J.S. (Jos).

Polypodiaceae

186 *Platyserium alpicorne* Desv.

2018. Acc: 20100005, Ipen: XX-0-L-783742-19726.

Primulaceae

187 *Lysimachia acroadenia* Maxim.

2018. Acc: 20091063, Ipen: JP-0-AMD-20091063, JPN: Hitachi-ota-shi, Ibaraki-ken. 2008.

Proteaceae

188 *Grevillea banksii* R.Br.

2018. Acc: 20120114, Ipen: XX-0-BONN-667.

Ranunculaceae

189 *Actaea pachypoda* Elliott

2018. Acc: 20081288, Ipen: CA-0-AMD-20081288, CAN: Ontario, Niagara Region, Ontario. 2007-10-07.

190 *Actaea spicata* L.

2018. Acc: 20071074, Ipen: AT-0-AVBUN-4010000875, AUT: Steiermark, Rax-Alpe, 1850 m. 2006.

191 *Anemone hupehensis* (É.Lemoine) É.Lemoine

2018. Acc: 20021383, Ipen: CN-0-BONN-05808, CHN: Sichuan, Mt. Omei, 700 m.

192 *Clematis virginiana* L.

2018. Acc: 19991733, Ipen: XX-0-AMD-19991733.

193 *Clematis viticella* L.

2018. Acc: 20080035, Ipen: XX-0-AMD-20080035.

Rosaceae

194 *Agrimonia eupatoria* L.

2018. Acc: 19922086, Ipen: FR-0-AMD-19922086, FRA: Anduze, port des Cevennes. van der Hoek, J.G.J.S. (Jos).

195 *Agrimonia eupatoria* L.

2018. Acc: 20051829, Ipen: NL-0-AMD-20051829, NLD: Noord-Holland, 1 km E of Wijk aan Zee. 2005-09-08. van Proosdij, van der Hoek, Punselie & Verbeek.

196 *Agrimonia parviflora* Aiton

2018. Acc: 20031464, Ipen: US-0-AMD-20031464, USA: Virginia, Gloucester County, Summerfield Wild Area, Clay Bank Road. Berg, M.H..

197 *Osteomeles schwerinae* C.K.Schneid.

2018. Acc: C0736, Ipen: XX-0-AMD-C0736.

198 *Potentilla nepalensis* Hook.

2018. Acc: 20120098, Ipen: PK-0-BR-2008123807, PAK: NW Frontier Province, Kaghan Valley, Shogran.

199 *Potentilla recta* L.

2018. Acc: 20140183, Ipen: DE-0-OLD-14-003-16-10, DEU: Niedersachsen, Oldenburg, Verschiebebahnhof Krusenbusch. 2013-08-15.

200 *Rhaphiolepis umbellata* (Thunb.) Makino

2018. Acc: 20051578, Ipen: JP-0-AMD-20051578, JPN: Honshu, Katakai, Kujukuri Town, Sanbu-gun, Chiba Pref. (Kanto District). 2004.

Rubiaceae

201 *Psychotria punctata* Vatke

2018. Acc: A3273, Ipen: XX-0-AMD-A3273.

202 *Rubia tinctorum* L.

2018. Acc: 20101035, Ipen: FR-0-AMD-20101035, FRA: Bollène (Vaucluse).

Rutaceae

203 *Murraya koenigii* (L.) Spreng.

2018. Acc: 20150245, Ipen: XX-0-AMD-20150245.

204 *Ptelea trifoliata* L.

2018. Acc: 20061588, Ipen: XX-0-ROTT-ZA1001.

205 *Zanthoxylum armatum* DC.

2018. Acc: B5536, Ipen: XX-0-AMD-B5536.

Symplocaceae

206 *Symplocos chinensis* (Lour.) Druce var. *pilosa* (Nakai) Kitag.

2018. Acc: 20051323, Ipen: JP-0-AMD-20051323, JPN: Mt. Odae, 700 m.

Taxaceae

207 *Cephalotaxus harringtonii* (Knight ex J.Forbes) K.Koch

2018. Acc: 20090057, Ipen: XX-0-AMD-20090057.

208 *Torreya taxifolia* Arn.

2018. Acc: B1644, Ipen: XX-0-AMD-B1644.

Trochodendraceae

209 *Trochodendron aralioides* Siebold & Zucc.

2018. Acc: B1840, Ipen: XX-0-AMD-B1840.

Verbenaceae

210 *Duranta erecta* L.

2018. Acc: 20100030, Ipen: XX-0-AMD-20100030..

211 *Lippia dulcis* Trevir.

2018. Acc: 20160038, Ipen: XX-0-AMD-20160038.

Vitaceae

212 *Leea rubra* Blume ex Spreng.

2018. Acc: 19930127, Ipen: XX-0-AMD-19930127..

Zingiberaceae

213 *Aframomum chrysanthum* Lock

2018. Acc: 20041003, Ipen: LR-0-AMD-20041003, LBR:. 1961. de Wit.

214 *Alpinia galanga* (L.) Willd.

2018. Acc: 19950119, Ipen: XX-0-AMD-19950119.

215 *Globba schomburgkii* Hook.f.

2018. Acc: 20111056, Ipen: XX-0-STGAL-150/1971.

216 *Roscoea cautleyoides* Gagnep.

2018. Acc: 20031072, Ipen: XX-0-AMD-20031072.

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