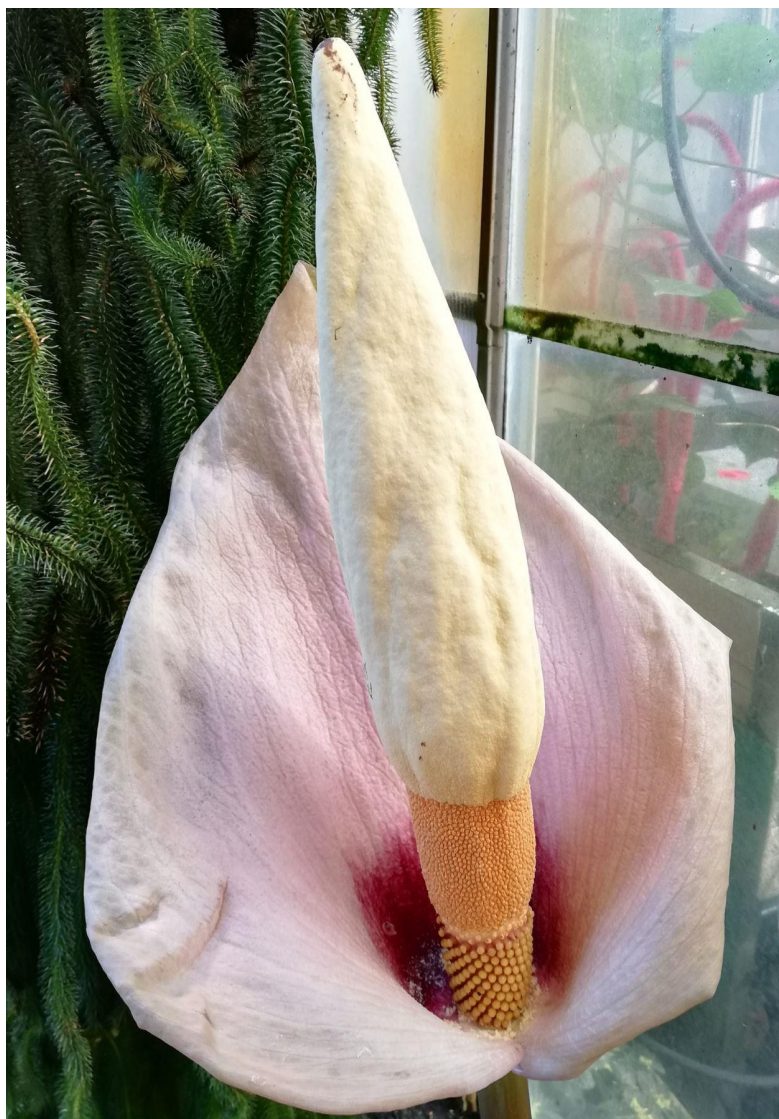


INDEX SEMINUM

GOTHENBURG BOTANICAL GARDEN
SWEDEN

2020



Amorphophallus cicatricifer Hett.



Amorphophallus dunnii Tutcher

INDEX SEMINUM 2020

Gothenburg Botanical Garden, Sweden

Material from the Index Seminum are not for sale, but are available on an exchange basis exclusively for scientific, educational and nature conservation purposes.

Orders can be placed until **March 31, 2020**. Orders posted online will be prioritized, but the desiderata found in the end of this catalogue can also be used and sent by e-mail or mail (reaching us by March 31 at the latest). The orders will be dispatched according to the availability of seeds/tubers.

Index Seminum online: botaniska.indexseminum.org

Contact: seedlist@vgregion.se

The catalogue

- The family classification follows APG IV.
- All seeds were collected in 2019.
- Indicated provenance is for seeds/tubers.
- Index of collectors' initials can be found in the end of the catalogue.

The garden

- Latitude/longitude: 57.6805/11.9549
- Altitude: 27–120 m a.s.l.
- Mean temperature (past 10 years): 9.0 °C (0.6 °C for February, 18.4 °C for July)
- Mean annual precipitation (past 10 years): 948 mm

Amaryllidaceae

- 1 ***Allium acuminatum* Hook.**
Acc: 2016-1078, USA: Colorado, Elk River Road, Steamboat, Routt County. 2016-06-24. CollNo: J.NIL 16-2. Prov: Garden - wild origin. IPEN: US-0-GB-2016-1078.
- 2 ***Allium austroiranicum* R.M.Fritsch**
Acc: 2002-2096, IRN: Lorestan, pass between Aligoudarz and Shoulabad, Kuh-e Ali, 2450-2600 m, 33° 06' 42" N | 49° 25' 25" E. 2002-05-05. CollNo: T4Z 170. Prov: Garden - wild origin. IPEN: IR-0-GB-2002-2096.
- 3 ***Allium cernuum* Roth**
Acc: 2016-1115, USA: Colorado, Stinking water Creek, Trujillo road, Pagosa Springs, Archuleta County. CollNo: J.NIL 16-40. Prov: Garden - wild origin. IPEN: US-0-GB-2016-1115.
- 4 ***Allium cyaneum* Regel**
Acc: 2008-2546, CHN: Shaanxi, Quin Ling mountains, Taibai Shan, 2700 m. 2008-09-20. CollNo: HeHeHe 159. Prov: Garden - wild origin. IPEN: CN-0-GB-2008-2546.
- 5 ***Allium ellisii* Hook.f.**
Acc: 2003-1944, IRN: Khorasan, Mashad to Kalat, ca. 50 km NE Mashad, 1860 m, 36° 36,67' N | 59° 54,48' E. 2003-04-22. CollNo: T4Z 1121. Prov: Garden - wild origin. IPEN: IR-0-GB-2003-1944.
- 6 ***Allium hookeri* var. *muliense* Airy Shaw**
Acc: 1991-0889, CHN: Yunnan, Lijiang, Yulong Shan, Xie Ren Ji valley, above Mu Zhou Go, 3000 m. CollNo: CLD 1205. Prov: Garden - wild origin. IPEN: CN-0-GB-1991-0889.
- 7 ***Allium macleanii* Baker**
Acc: 1965-0008, AFG: Paghman, 3000-3100 m. CollNo: H&W 4404. Prov: Garden - wild origin. IPEN: AF-0-GB-1965-0008.
- 8 ***Allium nigrum* L.**
Acc: 2001-3193, GRC: Island of Lesbos, cultivated field between Polichnitos and Vrissa, 39° 04' N | 26° 12' E. 1987-05-01. CollNo: Strid & al. 87-67. Prov: Garden - wild origin. IPEN: GR-0-GB-2001-3193.
- 9 ***Allium oriento-iranicum* Neshati, Zarre & R.M.Fritsch**
Acc: 2003-1901, IRN: Khorasan, Kasmar to Nesapur, 2050 m, 35° 33,36' N | 58° 31,80' E. 2003-04-20. CollNo: T4Z 1083. Prov: Garden - wild origin. IPEN: IR-0-GB-2003-1901.
- 10 ***Allium prattii* C.H.Wright**
Acc: 1994-0126, CHN: Yunnan, Da Xue Shan, near the pass, 4400 m. 1993-09-17. CollNo: KGB 126. Prov: Garden - wild origin. IPEN: CN-0-GB-1994-0126.
- 11 ***Allium pseudobodeanum* R.M.Fritsch & Matin**
Acc: 1984-0298, IRN: Kuh-e-Abr. Prov: Garden - wild origin. IPEN: IR-0-GB-1978-0096.
- 12 ***Allium regelii* Trautv.**
Acc: 2009-0079, TKM: Kopet-Dag. Prov: Garden - wild origin. IPEN: TM-0-GB-1984-0210.
- 13 ***Allium scabriscapum* Boiss.**
Acc: 2003-1965, IRN: Khorasan, Bajgiran, 1770 m, 37° 37,51' N | 58° 25,53' E. 2003-04-24. CollNo: T4Z 1142. Prov: Garden - wild origin. IPEN: IR-0-GB-2003-1965.
- 14 ***Allium sikkimense* Baker**
Acc: 2008-2461, CHN: Shaanxi, Quin Ling mountains, Taibai Shan, 3460 m. 2008-09-19. CollNo: HeHeHe 076. Prov: Garden - wild origin. IPEN: CN-0-GB-2008-2461.
- 15 ***Nectaroscordum siculum* subsp. *bulgaricum* (Janka) Stearn**
Acc: 1991-1691, TUR: Balikesir, Kaz Dag above Beypinar, 700 m. 1991-04-26. CollNo: JP 91-73. Prov: Garden - wild origin. IPEN: TR-0-GB-1991-1691.

16 *Nectaroscordum tripedale* (Trautv.) Traub

Acc: 1992-2012, ARM: Mt. Aragats, valley of Kasah River. Prov: Garden - wild origin. IPEN: AM-0-GB-1992-2012.

Apiaceae

17 *Astrantia minor* L.

Acc: 1992-1016, FRA: Alpes-Maritimes, Vallon de la Gordolasque, 1700 m. CollNo: J&JA 221.002. Prov: Garden - wild origin. IPEN: FR-0-GB-1992-1016.

18 *Bupleurum longifolium* L.

Acc: 1992-1309, FRA: Bois du Laveron, Bannans, 1000 m. Prov: Garden - wild origin. IPEN: FR-0-GB-1992-1309.

19 *Dicyclophora persica* Boiss.

Acc: 2019-0631, IRN: Kohgiluyeh and Boyer-Ahmad Province, East of Gachsaran, on the road to Choram, 30.4114471 | 50.7948395. 2019-08. Collected by I. Mehregan. Prov: Wild. IPEN: IR-0-GB-2019-0631.

20 *Eryngium alpinum* L.

Acc: 2012-0408, CHE: Vaud, Les Verreaux, Col de Jaman, 1516 m. Prov: Garden - wild origin. IPEN: CH-0-GB-2012-0408.

21 *Eryngium maritimum* L.

Acc: 2019-0545, SWE: Västergötland, Nötholmen, Vrångö, Göteborgs kommun, 0-1 m, 57.566906 N | 11.794254 E. Prov: Wild. IPEN: SE-0-GB-2019-0545.

22 *Eryngium maritimum* L.

Acc: 2019-0564, SWE: Bohuslän, Sydkoster, Kilesand, 58,878038 | 11,048813. 2019-09-24. Collected by L. Karnfält. Prov: Wild. IPEN: SE-0-GB-2019-0564.

23 *Ferula ovina* (Boiss.) Boiss.

Acc: 2005-0797, KGZ: Tian-Shan, Fergana Bergkette zum Pass Kok-Bel, 1000 m, 41°43'53 N | 72°53'58 E. 2003. Prov: Garden - wild origin. IPEN: KG-0-GB-2005-0797.

24 *Oliveria decumbens* Vent.

Acc: 2019-0630, IRN: Kohgiluyeh and Boyer-Ahmad Province, East of Gachsaran, on the road to Choram, 30.4114471 | 50.7948395. 2019-08. Collected by I. Mehregan. Prov: Wild. IPEN: IR-0-GB-2019-0630.

25 *Olymposciadium caespitosum* (Sm.) H.Wolff

Acc: 1987-0396, TUR. Prov: Garden - wild origin. IPEN: TR-0-GB-1987-0396.

26 *Pimpinella rhodantha* Boiss.

Acc: 1997-0915, GEO: Caucasus, Chewi, between Kergeti and Sameba church, 1900-2100 m. CollNo: PHS 92.172. Prov: Garden - wild origin. IPEN: GE-0-GB-1993-0927.

27 *Seseli gracile* Waldst. & Kit.

Acc: 2010-0486, ROU: Valcea, Valea Calinesti. Collected by M. Puscas & T. Ursu. Prov: Garden - wild origin. IPEN: RO-0-GB-2010-0486.

Araceae

28 *Amorphophallus bulbifer* var. *atroviridimaculatus* Engl.

Tubers. Acc: 2010-1442. Plant source: Liberec Botanical Garden. Prov: Garden. IPEN: XX-0-GB-2010-1442.

- 29 *Amorphophallus cicatricifer* Hett.**
Tubers. Acc: 2010-1647, THA: Kanchanaburi. 1993. Collected by Maxwell. Plant source: Botanischer Garten der Universität Hamburg (no. 2007-G-064, HAM number 366). Prov: Garden - wild origin. IPEN: TH-0-GB-2010-1647.
- 30 *Amorphophallus consimilis* Blume**
Tubers. Acc: 2008-1641. Plant source: Botanischer Garten der Universität Hamburg. Prov: Garden. IPEN: XX-0-GB-2008-1641.
- 31 *Amorphophallus dunnii* Tutcher**
Tubers. Acc: 2010-1445. Plant source: Liberec Botanical Garden. Prov: Garden. IPEN: XX-0-GB-2010-1445.
- 32 *Amorphophallus konjac* K.Koch**
Tubers. Acc: 2001-1559. Plant source: Die Flora, der Botanische Garten Köln. Prov: Garden. IPEN: XX-0-GB-2001-1559.
- 33 *Anchomanes difformis* (Blume) Engl.**
Acc: 1993-10316, SLE: Peninsula, close to Sussex, secondary scrub, 20-50 m. 1993-11-20. CollNo: MN 1543. Prov: Garden - wild origin. IPEN: SL-0-GB-1993-10316.
- 34 *Arisaema sachalinense* (Miyabe & Kudô) J.Murata**
Acc: 2010-1412. Prov: Garden. IPEN: XX-0-GB-2010-1412.
- 35 *Arum purpureospathum* P.C.Boyce**
Acc: 1991-1541, GRC: Crete, Agia Roumeli. 1985-04-10. CollNo: Boyce 51. Prov: Garden - wild origin. IPEN: GR-0-GB-1991-1541.
- 36 *Dracontium amazonense* G.H.Zhu & Croat**
Tubers. Acc: 2002-2782, BOL: Beni, road Trinidad-Cuchini, ca. 14 km NNW of Trinidad, 200 m. 2002-11-10. CollNo: MN 2427. Prov: Garden - wild origin. IPEN: BO-0-GB-2002-2782.
- 37 *Gonatopus angustus* N.E.Br.**
Tubers. Acc: 2007-1195. Plant source: Hortus Botanicus Leiden. Prov: Garden. IPEN: XX-0-GB-2007-1195.

Araliaceae

- 38 *Trevesia sundaica* Miq.**
Acc: 1989-3806, IDN: Java, Cibodas, 1400 m. 1989-03-05. CollNo: MN 707. Prov: Garden - wild origin. IPEN: ID-0-GB-1989-3806.

Asparagaceae

- 39 *Bellevalia forniculata* (Fomin) Delaunay**
Acc: 1988-0864, TUR: Erzurum, 2200 m. CollNo: OS 1130. Prov: Garden - wild origin. IPEN: TR-0-GB-1988-0864.
- 40 *Hosta venusta* F.Maek.**
Acc: 1992-1845. Prov: Garden. IPEN: XX-0-GB-1992-1845.
- 41 *Muscari botryoides* (L.) Mill.**
Acc: 1985-0757, YUG: Montenegro, Cakor Pass. CollNo: HZ 85-10. Prov: Garden - wild origin. IPEN: YU-0-GB-1985-0757.
- 42 *Scilla litardierei* Breistr.**
Acc: 1985-0769, YUG: Montenegro. CollNo: HZ 85-02. Prov: Garden - wild origin. IPEN: YU-0-GB-1985-0769.

Asphodelaceae

43 *Eremurus altaicus* (Pall.) Steven

Acc: 2005-0662, CHN: Xinjiang, Tian Shan, Tian Chi near temple Wang Mu Miao, 1950 m, 43°53'50 N | 88°70'55 E. 2003-10-02. Collected by P. Sekerka, E. Chvosta & L. Prokopova. Prov: Garden - wild origin. IPEN: CN-0-GB-2005-0662.

44 *Eremurus stenophyllus* (Boiss. & Buhse) Baker

Acc: 2003-1923, IRN: Khorasan, Kuh-e-Binalud, NE Darrud, 2150 m, 36° 10,28' N | 59° 09,09' E. 2003-04-21. CollNo: T4Z 1097. Prov: Garden - wild origin. IPEN: IR-0-GB-2003-1923.

Asteraceae

45 *Aetheopappus caucasicus* Sosn.

Acc: 2011-1744, RUS: Karachayevo-Cherkessiya, Bermamyt Plateau, 2500 m, 43.42 N | 42.26 E. 2011-09-05. CollNo: NCE 095. Prov: Garden - wild origin. IPEN: RU-0-GB-2011-1744.

46 *Aetheopappus caucasicus* Sosn.

Acc: 2015-0952, RUS: Kabardino-Balkarian rep., the Elbruskiy district, Azau village, the southern slope of Mt Elbrus, 2500 m. 2014-08-09. Prov: Garden - wild origin. IPEN: RU-0-GB-2015-0952.

47 *Ajania variifolia* (C.C.Chang) Tzvelev

Acc: 2008-2441, CHN: Shaanxi, Quin Ling mountains, Taibai Shan, 3400 m. 2008-09-19. CollNo: HeHeHe 059. Prov: Garden - wild origin. IPEN: CN-0-GB-2008-2441.

48 *Artemisia umbelliformis* Lam.

Acc: 2018-0092, CHE: Valais, Lac de Moiry, 2000 m. 2016-10-06. Prov: Garden - wild origin. IPEN: CH-0-MEY-20160094W.

49 *Aster amellus* L.

Acc: 2007-1244, SVN: Ob Soci pri Idrskem. 2006. Prov: Garden - wild origin. IPEN: SI-0-GB-2007-1244.

50 *Centaurea calocephala* Willd.

Acc: 2017-0484, ROU: Mehedinti Co., Almajului Mts., Cazanele Mari. 2016. Collected by P.-M. Szatmari & B.-I. Hurdu. Prov: Garden - wild origin. IPEN: RO-0-GB-2017-0484.

51 *Crepis aurea* (L.) Cass.

Acc: 2014-0437, AUT: Steiermark, Steirisch-Niederösterreichische Kalkalpen, Rax-Schneeberg-Gruppe, Schneeealpe Plateau, ca. 12 km NW Mürzzuschlag, 1700 m, 47.696 N | 15.609 E. 2013-09-02. Prov: Garden - wild origin. IPEN: AT-0-GB-2014-0437.

52 *Erigeron venustus* Botsch.

Acc: 2011-1749, RUS: Karachayevo-Cherkessiya, Bermamyt Plateau, 2500 m, 43.42 N | 42.26 E. 2011-09-05. CollNo: NCE 100. Prov: Garden - wild origin. IPEN: RU-0-GB-2011-1749.

53 *Helichrysum thianschanicum* Regel

Acc: 1990-2177. Prov: Garden. IPEN: XX-0-GB-1990-2177.

54 *Inula magnifica* Lipsky

Acc: 1924-0014. Prov: Garden. IPEN: XX-0-GB-1924-0014.

55 *Leontopodium discolor* Beauverd

Acc: 2012-0973, RUS: Sibirien, SMZ. 2011-09-13. Collected by V. Sheiko. Prov: Garden - wild origin. IPEN: RU-0-GB-2012-0973.

56 *Leontopodium japonicum* Miq. var. *japonicum*

Acc: 2008-2585, CHN: Shaanxi, Daba Shan above Langao, 1900 m. 2008-09-23. CollNo: HeHeHe 198. Prov: Garden - wild origin. IPEN: CN-0-GB-2008-2585.

57 *Leontopodium nivale* (Ten.) A.Huet ex Hand.-Mazz.

Acc: 2016-0633. Prov: Garden. IPEN: XX-0-HAL-5998.

- 58** *Packera pseudaurea* (Rydb.) W.A.Weber & Á.Löve
Acc: 1995-1574, USA: Idaho, Idaho Co., Clearwater Nat. For., for. rd 101 24 mi from US 12, 1370 m.
CollNo: HZ 94-099. Prov: Garden - wild origin. IPEN: US-0-GB-1995-1574.
- 59** *Parasenecio hastatus* (L.) H.Koyama
Acc: 2008-2581, CHN: Shaanxi, Daba Shan above Langao, 1900 m. 2008-09-23. CollNo: HeHeHe 195.
Prov: Garden - wild origin. IPEN: CN-0-GB-2008-2581.
- 60** *Santolina etrusca* (Lacaita) Marchi & D'Amato
Acc: 2018-0196, ITA: C Alps. Prov: Garden - wild origin. IPEN: IT-0-M-2007/2027.
- 61** *Saussurea iodostegia* Hance
Acc: 2013-0162, CHN: Shaanxi, Quin Ling mountains, Taibai Shan, 3400 m. 2008-09-19. CollNo:
HeHeHe 050. Prov: Garden - wild origin. IPEN: CN-0-GB-2008-2432.
- 62** *Wyethia helianthoides* Nutt.
Acc: 1992-1484, USA: Idaho, Blaine Co., 12 miles N of Ketchum, meadow, 1900 m. 1992-07-06. CollNo:
P.&Z. 92-104. Prov: Garden - wild origin. IPEN: US-0-GB-1992-1484.

Berberidaceae

- 63** *Podophyllum hexandrum* Royle
Acc: 1984-0580, PAK: Gilgit, Naltar valley, above Naltar Resthouse, 2870 m. CollNo: SEP 526. Prov:
Garden - wild origin. IPEN: PK-0-GB-1984-0580.
- 64** *Ranzania japonica* T.Ito
Acc: 1994-2325. Prov: Garden. IPEN: XX-0-GB-1980-0097.

Betulaceae

- 65** *Ostrya carpinifolia* Scop.
Acc: 1993-0459, ITA: Lombardiet, Valtellina, Grosio, Val Grosina, Tirano, 2000-2100 m. Prov: Garden -
wild origin. IPEN: IT-0-GB-1993-0459.

Biebersteiniaceae

- 66** *Biebersteinia multifida* DC.
Acc: 2002-1983, IRN: Farz, between Eglid and Sedeh, 2700-2850 m, 30° 51' 35" N | 52° 35' 31" E. 2002-
04-25. CollNo: T4Z 067. Prov: Garden - wild origin. IPEN: IR-0-GB-2002-1983.

Bignoniaceae

- 67** *Incarvillea olgae* Regel
Acc: 2007-0956, TJK: Pamir, Romit, 1300 m. 2006. Prov: Garden - wild origin. IPEN: TJ-0-GB-2007-0956.

Boraginaceae

- 68** *Arnebia pulchra* (Willd. ex Roemer & Schultes) J.Edmondson
Acc: 2011-2014, RUS: Karachayevo-Cherkessiya, Arkhyz, path to Sofia lakes, 2100-2700 m, 43.27 N |
41.14 E. 2011-09-11. CollNo: NCE302. Prov: Garden - wild origin. IPEN: RU-0-GB-2011-2014.
- 69** *Hydrophyllum macrophyllum* Nutt.
Acc: 2018-1214, USA: Ohio, Warren County, Swift's property, 698 Liberty-Keuter Road, Lebanon, OH
45036, in ravine to the east of Liberty-Keuter Road, 259 m, 39°25.22460' N | 084°09.40560' W. 2018-06-
05. CollNo: GLUE 057. Prov: Garden - wild origin. IPEN: US-0-GB-2018-1214.

70 *Mertensia maritima* (L.) Gray

Acc: 2019-0499, SWE: Bohuslän, Grebbestad, Tjurpannan, 58,72579 | 11,174662. 2019-07-12. Collected by E. Andersson. Prov: Wild. IPEN: SE-0-GB-2019-0499.

71 *Phacelia sericea* (Graham) A.Gray

Acc: 2018-0257, CAN: BC, Mt Thynne, along road to summit, narrow section of rd, 350 m before end of rd., 1920 m. 2016-09-04. CollNo: LJC.16-12. Prov: Garden - wild origin. IPEN: CA-0-GB-2018-0257.

Brassicaceae

72 *Cardamine trifolia* L.

Acc: 2007-0645, AUT: Salzburg, St. Koloman, Wegscheid SE, Zimmereckwald, 960 m. 2006-07. Collected by A. Mayr. Prov: Garden - wild origin. IPEN: AT-0-GB-2007-0645.

73 *Iberis ciliata* subsp. *weltwitschii* (Boiss.) Moreno

Acc: 2016-0805. Prov: Garden. IPEN: XX-0-TEBLI-01167.

74 *Iberis sempervirens* L.

Acc: 2001-1143, BGR: W. Rodhopi, between Trigrad and the lakes Chairite, 1300-1400 m, 41° 36' N | 24° 26' E. 2000-10-11. CollNo: S,KT&V 51137. Prov: Garden - wild origin. IPEN: BG-0-GB-2001-1143.

Campanulaceae

75 *Campanula betulifolia* K.Koch

Acc: 1987-0249, TUR: Trabzon, 2200 m. CollNo: J&JA 252.005. Prov: Garden - wild origin. IPEN: TR-0-GB-1987-0249.

76 *Campanula cespitosa* Scop.

Acc: 2016-0486, AUT: Steiermark, Rax-Alpe, 1700-2000 m. Prov: Garden - wild origin. IPEN: AT-0-GB-2016-0486.

77 *Campanula collina* Sims

Acc: 2011-2006, RUS: Karachayevo-Cherkessiya, Arkhyz, path to Sofia lakes, 2100-2700 m, 43.27 N | 41.14 E. 2011-09-11. CollNo: NCE293. Prov: Garden - wild origin. IPEN: RU-0-GB-2011-2006.

78 *Campanula grossekii* Heuff.

Acc: 2017-0485, ROU: Mehedinti Co., Almajului Mts., Iron Gates, Padina Mica. 2016. Collected by P.-M. Szatmari & B.-I. Hurdu. Prov: Garden - wild origin. IPEN: RO-0-GB-2017-0485.

79 *Campanula medium* L.

Acc: 2018-0272, ITA: Liguria, Prov. Imperia, above Ripalta, 479 m. 2016. CollNo: SCHM-2016-25. Prov: Garden - wild origin. IPEN: IT-0-GB-2018-0272.

80 *Campanula pyramidalis* L.

Acc: 2002-1260, ITA: TS, Carsiana. Prov: Garden - wild origin. IPEN: IT-0-GB-2002-1260.

81 *Campanula sarmatica* Ker Gawl.

Acc: 2011-1700, RUS: Stavropol'skiy Kray, Mt. Beshtau, 1000-1400 m, 44.05 N | 43.01 E. 2011-09-03. CollNo: NCE047. Prov: Garden - wild origin. IPEN: RU-0-GB-2011-1700.

82 *Campanula woronowii* Kharadze

Acc: 2011-1896, RUS: Karachayevo-Cherkessiya, Chumka waterfall, 1500 m, 43.24 N | 41.44 E. 2011-09-08. CollNo: NCE227. Prov: Garden - wild origin. IPEN: RU-0-GB-2011-1896.

83 *Codonopsis ovata* Benth.

Acc: 2009-0657. Prov: Garden. IPEN: XX-0-GB-2009-0657.

Caprifoliaceae

- 84** *Lonicera aff. hispida* Pall. ex Schult.
Acc: 2008-2452, CHN: Shaanxi, Qin Ling mountains, Taibai Shan, 3460 m. 2008-09-19. CollNo: HeHeHe 070. Prov: Garden - wild origin. IPEN: CN-0-GB-2008-2452.
- 85** *Patrinia heterophylla* Bunge
Acc: 2008-2694, CHN: Shaanxi, Qin Ling mountains, Kaizeping, 1820 m. 2008-10-02. CollNo: HeHeHe 298. Prov: Garden - wild origin. IPEN: CN-0-GB-2008-2694.
- 86** *Patrinia heterophylla* Bunge
Acc: 2017-0216, CHN: Shaanxi, Qin Ling mountains, Kaizeping, 1850 m. 2008-10-02. CollNo: HeHeHe 311. Prov: Garden - wild origin. IPEN: CN-0-GB-2008-2709.
- 87** *Valeriana tiliifolia* Troitsky
Acc: 2015-0998, RUS: Kabardino-Balkaraian Rep., the Elbrusskiy district, Terskol village, Mt Cheget, 2500 m. 2014-08-09. Prov: Garden - wild origin. IPEN: RU-0-GB-2015-0998.

Caryophyllaceae

- 88** *Arenaria pseudacantholimon* Bornm.
Acc: 2015-0877, TUR: Palandok, 2300 m. 2010. Collected by V. Holubec. Prov: Garden - wild origin. IPEN: TR-0-GB-2015-0877.
- 89** *Atocion rupestre* (L.) Oxelman
Acc: 2011-1906, RUS: Karachayevo-Cherkessiya, Arkhyz, slopes W of the village, 1600 m, 43.34 N | 41.17 E. 2011-09-09. CollNo: NCE239. Prov: Garden - wild origin. IPEN: RU-0-GB-2011-1906.
- 90** *Dianthus barbatus* subsp. *compactus* (Kit.) Nyman
Acc: 2007-1282, ROU: Caras-Severin, Muntii Domogled. Collected by Gh. Groza. Prov: Garden - wild origin. IPEN: RO-0-GB-2007-1282.
- 91** *Dianthus caucaseus* Sm.
Acc: 2011-1676, RUS: Stavropol'skiy Kray, Mt. Beshtau, 1000-1400 m, 44.05 N | 43.01 E. 2011-09-03. CollNo: NCE 023. Prov: Garden - wild origin. IPEN: RU-0-GB-2011-1676.
- 92** *Dianthus giganteiformis* subsp. *pontederiae* (A.Kern.) Soó
Acc: 2012-1009, HUN: Near village Vackisufjalu. 2009. Collected by G. Lunk. Prov: Garden - wild origin. IPEN: HU-0-GB-2012-1009.
- 93** *Dianthus giganteus* d'Urv.
Acc: 2007-1281, ROU: Cluj, Cheile Turzi. Collected by Gh. Groza. Prov: Garden - wild origin. IPEN: RO-0-GB-2007-1281.
- 94** *Dianthus sanguineus* Vis.
Acc: 2011-2216, SVN: Vremscica. 2010. Prov: Garden - wild origin. IPEN: SI-0-GB-2011-2216.
- 95** *Eremogone dianthoides* (Sm.) Ikonn.
Acc: 2011-1806, RUS: Karachayevo-Cherkessiya, Musa Acitara, top station - cable car station, 2500-2900 m, 43.17 N | 41.39 E. 2011-09-07. CollNo: NCE153. Prov: Garden - wild origin. IPEN: RU-0-GB-2011-1806.
- 96** *Minuartia circassica* (Albov) Woronow ex Grossh.
Acc: 1982-0401, RUS: Caucasus, Tscheget, 2500 m. CollNo: HZ 82-88. Prov: Garden - wild origin. IPEN: GE-0-GB-1982-0401.
- 97** *Saponaria pumila* Janch.
Acc: 2012-0473, AUT: Steiermark, Lavantaler Alpen, Seetaler Alpen, Zirbitzkogelgebiet: Ost-Aufstieg zum Zirbitzkogel von der Waldheimtte, 1850-2350 m. Prov: Garden - wild origin. IPEN: AT-0-GB-2012-0473.

98 *Silene compacta* Fisch. ex Hornem.

Acc: 2013-0662, GEO: Khevi, Sameba church to Tscicheris River, 1900-2200 m. Prov: Garden - wild origin. IPEN: GE-0-GB-2013-0662.

99 *Silene rotundifolia* Nutt.

Acc: 2018-1218, USA: Tennessee, Pickett County, on the east side of State Route 154 ca. 1.6 miles north of the entrance to Pickett State Park and ca. 2.0 miles southwest of the Kentucky/Tennessee state line, 438 m, 36°34.54560' N | 084°47.72340' W. 2018-06-06. CollNo: GLUE 064. Prov: Garden - wild origin. IPEN: US-0-GB-2018-1218.

100 *Silene waldsteinii* Griseb.

Acc: 2001-1095, BGR: Rodhopi, 12 km W of the town of Ardino, 600 m, 41° 34' N | 25° 03' E. 2000-10-12. CollNo: S,KT&V 51172. Prov: Garden - wild origin. IPEN: BG-0-GB-2001-1095.

Cistaceae

101 *Helianthemum buschii* (Palib.) Juz. & Pozdeeva

Acc: 2011-1766, RUS: Karachayevo-Cherkessiya, Bermamyt Plateau, 2500 m, 43.42 N | 42.26 E. 2011-09-05. CollNo: NCE119. Prov: Garden - wild origin. IPEN: RU-0-GB-2011-1766.

Crassulaceae

102 *Phedimus selskianus* (Regel & Maack) 't Hart

Acc: 2009-0788, RUS: Sibiria, Primorskii Krai, near village of Turi Rog. 2007. Prov: Garden - wild origin. IPEN: RU-0-GB-2009-0788.

103 *Rhodiola rosea* L.

Acc: 2007-0637, RUS: Altai, Tigiretzki Gebirgskette, Rasrabotannaja, 2000 m. 2006. Collected by B. v. Höveling. Prov: Garden - wild origin. IPEN: RU-0-OSN-2006-227.

104 *Sedum populifolium* Pall.

Acc: 1964-3883. Prov: Garden. IPEN: XX-0-GB-1964-3883.

Diapensiaceae

105 *Shortia uniflora* (Maxim.) Maxim.

Acc: 1993-2328. Prov: Garden. IPEN: XX-0-GB-1984-0510.

Dioscoreaceae

106 *Dioscorea balcanica* Košanin

Acc: 2004-2222, SRB: Vojvodina, SE Banat Prov., cultivated in Bot. Garden "Jevremovac". 2004-09-08. CollNo: KT 27830. Prov: Garden - wild origin. IPEN: RS-0-GB-2004-2222.

107 *Dioscorea caucasica* Lipsky

Acc: 2013-0068, RUS: Krasnodar, ad ripam Mzymta, prope pagem Krasnaja Poljana. Prov: Garden - wild origin. IPEN: RU-0-GB-2013-0068.

Ephedraceae

108 *Ephedra likiangensis* Florin

Acc: 1994-0372, CHN: Yunnan, Mai Li, a few km NE of Shu La, 4000 m. 1993-09-26. CollNo: KGB 372. Prov: Garden - wild origin. IPEN: CN-0-GB-1994-0372.

Ericaceae

- 109 *Elliottia bracteata* (Maxim.) Benth. & Hook.f.**
Acc: 1955-0011, JPN: Honshu, Mt Hakkoda, 1000 m. CollNo: Murai 080. Prov: Garden - wild origin. IPEN: JP-0-GB-1955-0011.
- 110 *Rhododendron camtschaticum* Pall. f. *albiflorum* Nakai**
Acc: 1983-0260. CollNo: JHF 44. Prov: Garden - wild origin. IPEN: XX-0-GB-1983-0260.

Fabaceae

- 111 *Anthyllis montana* L.**
Acc: 2011-0306, FRA: Var, Ste-Baume. Prov: Garden - wild origin. IPEN: FR-0-GB-2011-0306.
- 112 *Hedysarum caucasicum* M.Bieb.**
Acc: 2011-1926, RUS: Karachayevo-Cherkessiya, Arkhyz, path to Sofia Glacier, 2000-2200 m, 43.27 N | 41.16 E. 2011-09-10. CollNo: NCE253. Prov: Garden - wild origin. IPEN: RU-0-GB-2011-1926.
- 113 *Lathyrus pannonicus* (Jacq.) Garcke**
Acc: 1988-0388. Prov: Garden. IPEN: XX-0-GB-1988-0388.
- 114 *Lathyrus pannonicus* subsp. *varius* (Hill) P.W.Ball**
Acc: 2009-1175, ITA: Friuli Venezia Giulia, Basovizza. 2007-06-11. Prov: Garden - wild origin. IPEN: IT-0-GB-2009-1175.
- 115 *Podocytisus caramanicus* Boiss. & Heldr.**
Acc: 2008-0231, GRC: Ioanninon, Konitsis, 2 km W of the village of Agia Paraskevi, 650 m, 40° 09' N | 20° 53' E. 2007-07-14. CollNo: AS 56288. Prov: Garden - wild origin. IPEN: GR-0-GB-2008-0231.
- 116 *Trifolium badium* Schreb.**
Acc: 2016-0211, CHE: St. Gallen, Alt St. Johann, Churfisten, 1770 m. 2015-09-29. Prov: Garden - wild origin. IPEN: CH-0-GB-2016-0211.
- 117 *Trifolium pannonicum* Jacq.**
Acc: 2017-0375, ROU: Suceava, Vatra Dornei, Dielcilor, 915 m, 47.34045 N; 25.33014 E. 2015-08-22. Collected by F. Kolár, A. Lövd & F. Ervik. Prov: Garden - wild origin. IPEN: RO-0-GB-2017-0375.
- 118 *Trifolium trichocephalum* M.Bieb.**
Acc: 2002-0845. Prov: Garden. IPEN: XX-0-GB-1986-0593.
- 119 *Vicia amurensis* Oett.**
Acc: 2002-1020, RUS: Primorsky, Russky Island. Prov: Garden - wild origin. IPEN: RU-0-GB-2002-1020.

Gentianaceae

- 120 *Gentiana asclepiadea* L.**
Acc: 1991-1005, AUT: Salzburg, Osterhorngruppe, Genneralm, 1360 m. Prov: Garden - wild origin. IPEN: AT-0-GB-1991-1005.
- 121 *Gentiana asclepiadea* L.**
Acc: 1993-0601, CSK: Zapadne Tatry. Prov: Garden - wild origin. IPEN: CS-0-GB-1993-0601.
- 122 *Gentiana cruciata* L.**
Acc: 2001-1091, BGR: N. Rodhopi, Outskirts of the town of Siroka laka, 1000 m. 2000-10-12. CollNo: S,KT&V 51166. Prov: Garden - wild origin. IPEN: BG-0-GB-2001-1091.
- 123 *Gentiana cruciata* L.**
Acc: 2012-0384, AUT: Kärnten, Völkermarkt, Schaidasattel, N Perutsch, Großer Felsen, 1086 m. Prov: Garden - wild origin. IPEN: AT-0-GB-2012-0384.

124 *Gentiana paradoxa* Albov

Acc: 1990-0720, SUN: Caucasus. Prov: Garden - wild origin. IPEN: SU-0-GB-1990-0720.

Geraniaceae

125 *Erodium manescavi* Coss.

Acc: 1993-0992, FRA: Pyrénées-Orientales, Bielle, 400 m. CollNo: 91-27. Prov: Garden - wild origin. IPEN: FR-0-GB-1993-0992.

126 *Geranium asphodeloides* Burm.f.

Acc: 2007-2267, GRC: Messinias, Kalamon, Taigetos, Langada pass, road to Pagadia, 1450 m, 37°04' N | 22°15' E. 2007-11-15. CollNo: AS 56339. Prov: Garden - wild origin. IPEN: GR-0-GB-2007-2267.

127 *Geranium versicolor* L.

Acc: 2007-2268, GRC: Messinias, Kalamon, Taigetos, Langada pass, road to Pagadia, 1450 m, 37°04' N | 22°15' E. 2007-11-15. CollNo: AS 56338. Prov: Garden - wild origin. IPEN: GR-0-GB-2007-2268.

Hypericaceae

128 *Hypericum dogonbadanicum* Assadi

Acc: 2019-0629, IRN: Kohgiluyeh and Boyer-Ahmad Province, East of Gachsaran, on the road to Choram, 30.466584 | 50.798077. 2019-08. Collected by I. Mehregan. Prov: Wild. IPEN: IR-0-GB-2019-0629.

129 *Hypericum orientale* L.

Acc: 2014-0392, GEO: Svanetien, Mestia-Ushguli, 1500 m, 43°02'46" N | 42°48'39" E. 2009-08-07. CollNo: Gröger & al. 154-49. Prov: Garden - wild origin. IPEN: GE-0-GB-2014-0392.

130 *Hypericum pseudohenryi* N.Robson

Acc: 1994-0008, CHN: Yunnan, Lijiang, S of Jian Chuan, 2520 m. 1993-09-14. CollNo: KGB 008. Prov: Garden - wild origin. IPEN: CN-0-GB-1994-0008.

Iridaceae

131 *Crocus cancellatus* subsp. *mazziaricus* (Herb.) B.Mathew

Acc: 1998-2332, TUR: Mugla, 6 km from Kavaklidere towards Göktepe, open Pinus-forest on slate, 930 m, 37°26' N | 28°25' E. 1998-10-31. CollNo: JKP 98 110. Prov: Garden - wild origin. IPEN: TR-0-GB-1998-2332.

132 *Crocus hadriaticus* Herb.

Acc: 2004-1722, GRC: Kefallinia, Mt Enos, 2 km ENE of Michata, 1050 m, 38° 10' N | 20° 37' E. 2004-04-14. CollNo: AS 54934. Prov: Garden - wild origin. IPEN: GR-0-GB-2004-1722.

133 *Crocus hadriaticus* Herb.

Acc: 2004-2621, GRC: Arkadias, Mandinias, by the main road Tripoli-Sparti c. 1 km N of the village of Kerasea, 850 m, 37° 23' N | 22° 24' E. 2004-11-16. CollNo: AS 55402. Prov: Garden - wild origin. IPEN: GR-0-GB-2004-2621.

134 *Crocus melantherus* Boiss. & Orph. ex Maw

Acc: 1985-0535, GRC: Peloponnesos, Messinia, Vasse, 1100 m. CollNo: JP 85-25. Prov: Garden - wild origin. IPEN: GR-0-GB-1985-0535.

135 *Crocus pallasii* Goldb.

Acc: 1996-1753, GRC: Chios, 8 km N Anavatos beyond Androlakos, 730 m. 1996-04-26. CollNo: JP 96-14. Prov: Garden - wild origin. IPEN: GR-0-GB-1996-1753.

136 *Crocus pallasii* Goldb. subsp. *pallasii*

Acc: 1988-0281, YUG: Macedonia, Kumanovo-Bujanovac, the small road, 2 km N of K., 400 m. 1988-04-22. CollNo: S&Z 88-079. Prov: Garden - wild origin. IPEN: YU-0-GB-1988-0281.

- 137 *Crocus pulchellus* Herb.**
Acc: 1992-2251, TUR: Above Zeytinli (13.5 km N of). 1990-04-03. CollNo: OS 1208. Prov: Garden - wild origin. IPEN: TR-0-GB-1992-2251.
- 138 *Crocus pulchellus* Herb.**
Acc: 1996-1748, GRC: Chios, Spartounda, 550 m. 1996-04-25. CollNo: JP 96-09. Prov: Garden - wild origin. IPEN: GR-0-GB-1996-1748.
- 139 *Crocus pulchellus* Herb.**
Acc: 1998-2326, TUR: Burdur, Ulu Dag, open Pinus-forest, 1400 m, 40°07' N | 29°05' E. 1998-10-29. CollNo: JKP 98 104. Prov: Garden - wild origin. IPEN: TR-0-GB-1998-2326.
- 140 *Crocus speciosus* M.Bieb.**
Acc: 1991-1645, TUR: Kütahya, south of Inegöl-Domaniç, 1350 m. 1991-04-15. CollNo: JP 91-01. Prov: Garden - wild origin. IPEN: TR-0-GB-1991-1645.
- 141 *Crocus speciosus* M.Bieb.**
Acc: 1991-1744, GEO: Lok 06891 near Tbilisi, 900-1100 m. CollNo: JC 91-068. Prov: Garden - wild origin. IPEN: GE-0-GB-1991-1744.
- 142 *Iris foetidissima* L. var. *foetidissima***
Acc: 2016-0584, FRA: Quiberon. Prov: Garden - wild origin. IPEN: FR-0-GB-2016-0584.

Lamiaceae

- 143 *Clinopodium dalmaticum* (Benth.) Bräuchler & Heubl**
Acc: 2001-1134, BGR: W. Rodhopi, 2 km S of the village of Trigrad, 1250 m, 41° 35' N | 24° 23' E. 2000-10-11. CollNo: S,KT&V 51098. Prov: Garden - wild origin. IPEN: BG-0-GB-2001-1134.
- 144 *Dracocephalum austriacum* L.**
Acc: 2011-1857, RUS: Karachayevo-Cherkessiya, Musa Acitara, top station - cable car station, 2200-2900 m, 43.17 N | 41.39 E. 2011-09-07. CollNo: NCE 188. Prov: Garden - wild origin. IPEN: RU-0-GB-2011-1857.
- 145 *Dracocephalum austriacum* L.**
Acc: 2014-0530, RUS: Stavropol, Pyatigorsk, the E slope of Mt Mashuk, 600 m. 2013-09-28. Collected by A. Mikheev, Z. Dutova & D. Schilnikov. Prov: Garden - wild origin. IPEN: RU-0-GB-2014-0530.
- 146 *Dracocephalum ruyschiana* L.**
Acc: 2011-1705, RUS: Stavropol'skiy Kray, Mt. Beshtau, 1000-1400 m, 44.05 N | 43.01 E. 2011-09-03. CollNo: NCE052. Prov: Garden - wild origin. IPEN: RU-0-GB-2011-1705.
- 147 *Lavandula angustifolia* subsp. *pyrenaica* (DC.) Guinea**
Acc: 1990-1030, FRA: Pyrénées-Orientales, Vallée de Llo. Prov: Garden - wild origin. IPEN: FR-0-GB-1990-1030.
- 148 *Salvia verticillata* L.**
Acc: 2011-1683, RUS: Stavropol'skiy Kray, Mt. Beshtau, 1000-1400 m, 44.05 N | 43.01 E. 2011-09-03. CollNo: NCE030. Prov: Garden - wild origin. IPEN: RU-0-GB-2011-1683.
- 149 *Stachys balansae* Boiss. & Kotschy**
Acc: 2014-0521, RUS: N Ossetia, Alagir district, the basin of Ardon river, Khalatsa river, 1500 m. 2013-08-24. Collected by A. Mikheev, Z. Dutova & D. Schilnikov. Prov: Garden - wild origin. IPEN: RU-0-GB-2014-0521.
- 150 *Thymus tiflisiensis* Klokov & Des.-Shost.**
Acc: 2014-0155, GEO: Kartli, between Tiflis and Didgori, near Tiflis, 1400-1600 m, 41°43.266' N | 44°27.427' E. CollNo: Gröger & Loblin 301-3. Prov: Garden - wild origin. IPEN: GE-0-GB-2014-0155.

151 *Zataria multiflora* Boiss.

Acc: 2019-0632, IRN: Kohgiluyeh and Boyer-Ahmad Province, East of Gachsaran, on the road to Choram, 30.4711867 | 50.7987096. 2019-08. Collected by I. Mehregan. Prov: Wild. IPEN: IR-0-GB-2019-0632.

Lardizabalaceae

152 *Decaisnea fargesii* Franch.

Acc: 2008-2600, CHN: Shaanxi, Daba Shan above Langao, 1900 m. 2008-09-23. CollNo: HeHeHe 212. Prov: Garden - wild origin. IPEN: CN-0-GB-2008-2600.

153 *Sinofranchetia chinensis* (Franch.) Hemsl.

Acc: 2008-2653, CHN: Shaanxi, Qin Ling mountains, Houditang, 2000 m. 2008-09-26. CollNo: HeHeHe 261. Prov: Garden - wild origin. IPEN: CN-0-GB-2008-2653.

Liliaceae

154 *Cardiocrinum giganteum* var. *yunnanense* (Leichtlin ex Elwes) Stearn

Acc: 2008-2417, CHN: Shaanxi, Qin Ling mountains, Taibai Shan, 1500-1550 m. 2008-09-18. CollNo: HeHeHe 036. Prov: Garden - wild origin. IPEN: CN-0-GB-2008-2417.

155 *Fritillaria bithynica* Baker

Acc: 1992-2250, TUR: 30-31 km S of Ezike. 1990-04-03. CollNo: OS 1205. Prov: Garden - wild origin. IPEN: TR-0-GB-1992-2250.

156 *Fritillaria chlororhabdota* Bakhshi Khan.

Acc: 1994-2240, IRN: Loristan. CollNo: GBK 084. Prov: Garden - wild origin. IPEN: IR-0-GB-1994-2240.

157 *Fritillaria conica* Boiss.

Acc: 1998-2464, GRC: Peloponnisos, Messinia, 3.5 km from Pilos to Methoni, 150 m, 36° 53' N | 21° 43' E. 1998-03-23. CollNo: JKP 98 092. Prov: Garden - wild origin. IPEN: GR-0-GB-1998-2464.

158 *Fritillaria kotschyana* Herb.

Acc: 1994-2256, IRN: Mazendaran, Gorgan to Bojnurd, Golestan forest, 1000 m. 1994-04-27. CollNo: GBK 100. Prov: Garden - wild origin. IPEN: IR-0-GB-1994-2256.

159 *Fritillaria obliqua* Ker Gawl.

Acc: 2006-2189, GRC: Attica. Prov: Garden - wild origin. IPEN: GR-0-GB-1990-0517.

160 *Fritillaria pontica* Wahlenb.

Acc: 1995-0315, GRC: Island of Lesvos, Mitilinis: 2-3 km from Sanatorio Agiasou along road to Plomarion, 700-800 m, 39° 03' N | 26° 23' E. 1987-04-27. CollNo: Strid & al. 87-67-xx. Prov: Garden - wild origin. IPEN: GR-0-GB-1995-0315.

161 *Fritillaria rhodokanakis* subsp. *argolica* Zaharof

Acc: 1992-2075, GRC. CollNo: EZ 91. Prov: Garden - wild origin. IPEN: GR-0-GB-1992-2075.

162 *Fritillaria straussii* Bornm.

Acc: 1994-2268, IRN: Kermanshah. CollNo: GBK 051. Prov: Garden - wild origin. IPEN: IR-0-GB-1994-2268.

163 *Fritillaria whittallii* Baker

Acc: 1972-0093, TUR: Bey Dag, 1700 m. CollNo: PW 72-64B. Prov: Garden - wild origin. IPEN: TR-0-GB-1972-0093.

164 *Lilium brownii* var. *viridulum* Baker

Acc: 2016-1381, CHN: Shaanxi, Qin Ling mountains, Houditang, 1900 m. CollNo: HeHeHe 258. Prov: Garden - wild origin. IPEN: CN-0-GB-2008-2650.

- 165 *Lilium davidii* var. *willmottiae* (E.H.Wilson) Raffill**
Acc: 2008-2638, CHN: Shaanxi, Nan Gong Shan, 2240 m. 2008-09-25. CollNo: HeHeHe 245. Prov: Garden - wild origin. IPEN: CN-0-GB-2008-2638.
- 166 *Lilium lankongense* Franch.**
Acc: 1994-0663, CHN: Yunnan, Bei Ma Shan, the southern part, 24 km from Benzilan, 3050 m. 1993-10-05. CollNo: KGB 663. Prov: Garden - wild origin. IPEN: CN-0-GB-1994-0663.
- 167 *Medeola virginiana* L.**
Acc: 1982-0205, USA: New York, Catskill Mts. Prov: Garden - wild origin. IPEN: US-0-GB-1982-0205.
- 168 *Tricyrtis latifolia* Maxim.**
Acc: 2008-2403, CHN: Shaanxi, Quin Ling mountains, Taibai Shan, 1350-1400 m. 2008-09-18. CollNo: HeHeHe 022. Prov: Garden - wild origin. IPEN: CN-0-GB-2008-2403.
- 169 *Tricyrtis latifolia* Maxim.**
Acc: 2008-2582, CHN: Shaanxi, Daba Shan above Langao, 1900 m. 2008-09-23. CollNo: HeHeHe 196. Prov: Garden - wild origin. IPEN: CN-0-GB-2008-2582.
- 170 *Tulipa koyuncui* Eker & Babaç**
Acc: 1986-0464, TUR: Van, Ispiriz Da, NNW of Baskale, 2700 m. CollNo: J&JA 969.400. Prov: Garden - wild origin. IPEN: TR-0-GB-1986-0464.
- 171 *Tulipa vvedenskyi* Z.Botsch.**
Acc: 1986-0518, Chire-Dara, 2300 m. Prov: Garden - wild origin. IPEN: XX-0-GB-1986-0518.

Magnoliaceae

- 172 *Magnolia wilsonii* (Finet & Gagnep.) Rehder**
Acc: 1974-0002. Prov: Garden. IPEN: XX-0-GB-1974-0002.

Malvaceae

- 173 *Alcea* sp.**
Acc: 2019-0633, IRN: Kohgiluyeh and Boyer-Ahmad Province, East of Gachsaran, on the road to Choram, 30.4114471 | 50.7948395. 2019-08. Collected by I. Mehregan. Prov: Wild. IPEN: IR-0-GB-2019-0633.

Melanthiaceae

- 174 *Trillium grandiflorum* (Michx.) Salisb. ("Gothenburg Pink Strain")**
Acc: 2003-1351. Prov: Garden. IPEN: XX-0-GB-1999-2278.
- 175 *Trillium sulcatum* T.S.Patrick**
Acc: 1975-3785. Prov: Garden. IPEN: XX-0-GB-1975-3785.

Paeoniaceae

- 176 *Paeonia daurica* Andrews**
Acc: 1983-0331. Prov: Garden - wild origin. IPEN: XX-0-GB-1983-0331.
- 177 *Paeonia lactiflora* Pall.**
Acc: 2003-0281, RUS: Primorsky Reg., Oktyabrsky Distr. Prov: Garden - wild origin. IPEN: RU-0-GB-2003-0281.
- 178 *Paeonia veitchii* Lynch**
Acc: 2008-2486, CHN: Shaanxi, Quin Ling mountains, Taibai Shan, 2800-2760 m. 2008-09-20. CollNo: HeHeHe 100. Prov: Garden - wild origin. IPEN: CN-0-GB-2008-2486.

Papaveraceae

- 179 *Corydalis cava* (L.) Schweigg. & Körte**
Acc: 1991-1736, CZE: W. Moravia. Prov: Garden - wild origin. IPEN: CZ-0-GB-1991-1736.
- 180 *Corydalis leucanthema* C.Y.Wu**
Acc: 1995-2274, CHN: Sichuan, SW Chengdu, Gao Miao, Wa Wu Shan forest reserve, 2200-2500 m. 1995-07-20. Collected by M. Lidén. Prov: Garden - wild origin. IPEN: CN-0-GB-1995-2274.
- 181 *Corydalis leucanthema* C.Y.Wu**
Acc: 1995-2282, CHN: Sichuan, SW Chengdu, Gao Miao, Wa Wu Shan forest reserve, 2200-2500 m. 1995-07-20. Collected by M. Lidén. Prov: Garden - wild origin. IPEN: CN-0-GB-1995-2282.
- 182 *Corydalis malkensis* Galushko**
Acc: 1984-0332. Prov: Garden. IPEN: XX-0-GB-1982-0072.
- 183 *Corydalis nobilis* (L.) Pers.**
Acc: 1985-0489, KAZ. Prov: Garden - wild origin. IPEN: KZ-0-GB-1985-0489.
- 184 *Ichtyoselmis macrantha* (Oliv.) Lidén**
Acc: 1995-2279, CHN: Sichuan, SW Chengdu, Gao Miao, Wa Wu Shan forest reserve, 2200-2500 m. 1995-07-20. Collected by M. Lidén. Prov: Garden - wild origin. IPEN: CN-0-GB-1995-2279.
- 185 *Papaver atlanticum* (Ball.) Cosson.**
Acc: 1991-0399, MAR: Marrakech, Haut Atlas, Okaimeden, 2850-3100 m. 1990-10-15. CollNo: EAC 156. Prov: Garden - wild origin. IPEN: MA-0-GB-1991-0399.
- 186 *Pseudofumaria alba* (Mill.) Lidén**
Acc: 1985-0760, YUG: Montenegro, 21 km E Bioce. CollNo: HZ 85-03. Prov: Garden - wild origin. IPEN: YU-0-GB-1985-0760.

Plantaginaceae

- 187 *Digitalis viridiflora* Lindl.**
Acc: 2001-1082, BGR: W. Rodhopi, between Trigrad and the lakes Chairite, 1300-1400 m, 41° 36' N | 24° 26' E. 2000-10-11. CollNo: S,KT&V 51123. Prov: Garden - wild origin. IPEN: BG-0-GB-2001-1082.
- 188 *Erinus alpinus* L.**
Acc: 2016-0683, FRA: Hautes-Pyrénées, Parc Naturel des Pyrénées. Prov: Garden - wild origin. IPEN: FR-0-BR-19770276.
- 189 *Veronica kemulariae* A.I.Kuth.**
Acc: 2007-2474, GEO: N of Lajanurpheki, 650 m, 42.21.803 N | 43.00.262 E. 2007-05-11. CollNo: BARAKA 098. Prov: Garden - wild origin. IPEN: GE-0-GB-2007-2474.

Plumbaginaceae

- 190 *Bukiniczia cabulica* (Boiss.) Lincz.**
Acc: 2001-0334, PAK. CollNo: SEP 018. Prov: Garden - wild origin. IPEN: PK-0-GB-2001-0334.

Poaceae

- 191 *Elymus sibiricus* L.**
Acc: 2005-0821, KGZ: Tian-Shan, innere, Fl. Sary-Dzhas bei Mündung Fl. Ottuk., 2670 m, 42°14'50 N | 79°06'44 E. 2003. Prov: Garden - wild origin. IPEN: KG-0-GB-2005-0821.

192 *Stipa capillata* L.

Acc: 2001-0457, HUN: Kiskunság, part of the Great Hungarian Plain between rivers Duna and Tisza, moorland "Turjánvidék", between Ocsa and Dabas. Prov: Garden - wild origin. IPEN: HU-0-GB-2001-0457.

193 *Stipa capillata* L.

Acc: 2011-2133, RUS: Stavropol'skiy Kray, Mount Strizament, 800 m, 44.46 N | 42.02 E. 2011-09-14. CollNo: NCE327. Prov: Garden - wild origin. IPEN: RU-0-GB-2011-2133.

Polemoniaceae

194 *Polemonium chinense* (Brand) Brand

Acc: 2011-0181, CHN: Shaanxi, Quin Ling mountains, Taibai Shan, 2500 m. 2008-09-20. CollNo: HeHeHe 142. Prov: Garden - wild origin. IPEN: CN-0-GB-2008-2529.

Polygonaceae

195 *Aconogonon alpinum* (All.) Schur

Acc: 1984-0536, PAK: Gilgit, Babusar Valley, N of Babusar village, 2870 m. CollNo: SEP 130. Prov: Garden - wild origin. IPEN: PK-0-GB-1984-0536.

196 *Bistorta officinalis* subsp. *carnea* (C.Koch) Sojak.

Acc: 2011-1860, RUS: Karachayevo-Cherkessiya, Musa Acitara, top station - cable car station, 2200-2900 m, 43.17 N | 41.39 E. 2011-09-07. CollNo: NCE191. Prov: Garden - wild origin. IPEN: RU-0-GB-2011-1860.

197 *Pteroxygonum giraldii* Dammer & Diels

Acc: 2013-0512, CHN: Shaanxi, Quin Ling mountains, Taibai Shan, 1350-1400 m. 2008-09-18. CollNo: HeHeHe 029. Prov: Garden - wild origin. IPEN: CN-0-GB-2008-2410.

Primulaceae

198 *Primula reidii* Duthie

Acc: 2017-0254. Prov: Garden. IPEN: XX-0-GB-2010-2812.

199 *Primula veris* subsp. *macrocalyx* (Bunge) Lüdi

Acc: 2009-0953, GEO: Sagurami, around the Monastery St. John's of Georgia, Zedazeni, 1200 m, 41.53.113 N | 44.46.762 E. 2007-05-12. CollNo: BARAKA 110. Prov: Garden - wild origin. IPEN: GE-0-GB-2007-2485.

200 *Theophrasta americana* L.

Acc: 1987-1182, DOM: Santo Domingo. 1985-04. CollNo: BS 0178. Prov: Garden - wild origin. IPEN: DO-0-GB-1987-1182.

Ranunculaceae

201 *Aconitum kusnezoffii* Rchb.

Acc: 1972-0116. Prov: Garden. IPEN: XX-0-GB-1972-0116.

202 *Actaea asiatica* H.Hara

Acc: 1994-0668, CHN: Yunnan, Bei Ma Shan, the southern part, 24 km from Benzilan, 3100 m. 1993-10-05. CollNo: KGB 668. Prov: Garden - wild origin. IPEN: CN-0-GB-1994-0668.

203 *Actaea cimicifuga* L.

Acc: 2008-2478, CHN: Shaanxi, Quin Ling mountains, Taibai Shan, 2800-2760 m. 2008-09-20. CollNo: HeHeHe 092. Prov: Garden - wild origin. IPEN: CN-0-GB-2008-2478.

- 204 *Anemone rivularis* Buch.-Ham. ex DC.**
Acc: 1994-0099, CHN: Yunnan, 25 km N of Zhongdian (by the road to Geza), 3500 m. 1993-09-16. CollNo: KGB 099. Prov: Garden - wild origin. IPEN: CN-0-GB-1994-0099.
- 205 *Anemone rivularis* Buch.-Ham. ex DC.**
Acc: 2008-2490, CHN: Shaanxi, Quin Ling mountains, Taibai Shan, 2800-2760 m. 2008-09-20. CollNo: HeHeHe 105. Prov: Garden - wild origin. IPEN: CN-0-GB-2008-2490.
- 206 *Aquilegia laramiensis* A.Nelson**
Acc: 2011-0146, USA: Wyoming, Albany Co., 402 Tunnel Road, 3.5 km after Dodge Creek Ranch, 34 km after Jct Rd. 34, 2450 m. 1991-07-18. CollNo: HZ 91-150. Prov: Garden - wild origin. IPEN: US-0-GB-1991-1401.
- 207 *Aquilegia olympica* Boiss.**
Acc: 2011-1905, RUS: Karachayevo-Cherkessiya, Arkhyz, slopes W of the village, 1600 m, 43.34 N | 41.17 E. 2011-09-09. CollNo: NCE238. Prov: Garden - wild origin. IPEN: RU-0-GB-2011-1905.
- 208 *Clematis alpina* (L.) Mill.**
Acc: 1990-1444, SVK: Low Tatras. Prov: Garden - wild origin. IPEN: SK-0-GB-1990-1444.
- 209 *Clematis alpina* (L.) Mill.**
Acc: 1991-0592, ITA: Val di Alghordo Belluno. Prov: Garden - wild origin. IPEN: IT-0-GB-1991-0592.
- 210 *Clematis columbiana* var. *tenuiloba* (A.Gray) J.S.Pringle**
Acc: 1986-1126, USA: Wyoming, Big Horn Nat Forest, east entrance, 1950 m. CollNo: F&Z 281. Prov: Garden - wild origin. IPEN: US-0-GB-1986-1126.
- 211 *Clematis pitcheri* Torr. & A.Gray**
Acc: 1991-1068, USA: Illinois, Tazewell Co. Prov: Garden - wild origin. IPEN: US-0-GB-1991-1068.
- 212 *Clematis potaninii* Maxim.**
Acc: 2008-2705, CHN: Shaanxi, Qin Ling mountains, Kaizeping, 2360 m. 2008-10-02. CollNo: HeHeHe 307. Prov: Garden - wild origin. IPEN: CN-0-GB-2008-2705.
- 213 *Clematis sibirica* (L.) Mill.**
Acc: 1989-1095, NOR: Gudbrandsdalen. Prov: Garden - wild origin. IPEN: NO-0-GB-1989-1095.
- 214 *Delphinium giraldii* Diels & Hand.-Mazz.**
Acc: 2014-0281, CHN: Shaanxi, Quin Ling mountains, Taibai Shan, 2800-2760 m. 2008-09-20. CollNo: HeHeHe 107. Prov: Garden - wild origin. IPEN: CN-0-GB-2008-2492.
- 215 *Eranthis cilicica* Schott & Kotschy**
Acc: 1987-0690, TUR: 8 km from Akseki towards Beyshehir, 1500 m. CollNo: JP 87-75. Prov: Garden - wild origin. IPEN: TR-0-GB-1987-0690.
- 216 *Eranthis hyemalis* (L.) Salisb. 'Flore Pleno'**
Acc: 1983-0338. Prov: Garden. IPEN: XX-0-GB-1983-0338.
- 217 *Glaucidium palmatum* Siebold & Zucc.**
Acc: 1976-0219. Prov: Garden. IPEN: XX-0-GB-1976-0219.
- 218 *Pulsatilla albana* (Steven) Bercht. & J.Presl**
Acc: 1993-0930, GEO: Caucasus, Bakuriani, Zchra Tskaro, ridges and N-facing slopes to the east of the main road from Bakuriani, 2130-2445 m. CollNo: PHS 92.221. Prov: Garden - wild origin. IPEN: GE-0-GB-1993-0930.
- 219 *Pulsatilla montana* (Hoppe) Rchb.**
Acc: 2007-0567, ROU: Satu-Mare, Foieni. 2005. Collected by Gh. Groza. Prov: Garden - wild origin. IPEN: RO-0-GB-2007-0567.

220 *Pulsatilla montana* (Hoppe) Rchb.

Acc: 2016-0872, FRA: Hautes-Alpes, Prelles, 1300 m. Prov: Garden - wild origin. IPEN: FR-0-GB-2016-0872.

221 *Ranunculus gouanii* Willd.

Acc: 1987-0979, FRA: C Pyrenees, Superbagneres, Pic de Cesire, 1800 m. CollNo: HZ 87-08. Prov: Garden - wild origin. IPEN: FR-0-GB-1987-0979.

222 *Thalictrum lucidum* L.

Acc: 1999-1033, AUT: Salzburg, Lamprechtshausen, St. Felix, Straße Bruck-Holzhausen E, 430 m. Prov: Garden - wild origin. IPEN: AT-0-GB-1999-1033.

223 *Trollius macropetalus* (Regel) F.Schmidt

Acc: 2001-0400, RUS: Primorskiy, Nezhinka River. Prov: Garden - wild origin. IPEN: RU-0-GB-2001-0400.

224 *Trollius sibiricus* Schipcz.

Acc: 2004-2273, RUS: Altay, Teletskoye Lake, head of Kokshi River, 435 m, 51°35' N | 87°41' E. Prov: Garden - wild origin. IPEN: RU-0-GB-2004-2273.

Rhamnaceae

225 *Rhamnus imeretina* Booth, Petz. & G.Kirchn.

Acc: 2007-2420, GEO: Oni to Mamison pass, near village Glola, 1430 m, 42.42.090 N | 43.38.940 E. 2007-05-09. CollNo: BARAKA 047. Prov: Garden - wild origin. IPEN: GE-0-GB-2007-2420.

Rosaceae

226 *Cotoneaster elatus* G.Klotz

Acc: 1994-0431, CHN: Yunnan, ca. 5 km SW of Dêqên, by the Lhasa road, 3400 m. 1993-09-27. CollNo: KGB 431. Prov: Garden - wild origin. IPEN: CN-0-GB-1994-0431.

227 *Drymocallis halacsyana* (Degen) Kurtto & Strid

Acc: 1921-0008. Prov: Garden. IPEN: XX-0-GB-1921-0008.

228 *Potentilla brachypetala* Fisch. & C.A.Mey. ex Lehm.

Acc: 2011-1996, RUS: Karachayevo-Cherkessiya, Arkhыз, path to Sofia lakes, 2100-2700 m, 43.27 N | 41.14 E. 2011-09-11. CollNo: NCE 283. Prov: Garden - wild origin. IPEN: RU-0-GB-2011-1996.

229 *Prunus lusitanica* L.

Acc: 1991-0114, MAR: Al Hoceima, C Rif, Bab Chiker, 1700 m. CollNo: EAC 029. Prov: Garden - wild origin. IPEN: MA-0-GB-1991-0114.

230 *Rosa gallica* L.

Acc: 2019-0551, ROU: 196 m, 44,958239 | 28,337345. 2019. Collected by H. Sjöman. Prov: Wild. IPEN: RO-0-GB-2019-0551.

231 *Sorbus aria* subsp. *cretica* (Lindl.) Holmboe

Acc: 1986-0038, CYP. Prov: Garden - wild origin. IPEN: CY-0-GB-1986-0038.

232 *Sorbus filipes* Hand.-Mazz.

Acc: 1994-0555, CHN: Yunnan, Bei Ma Shan, the N-side close to timber road, 3800 m. 1993-10-02. CollNo: KGB 555. Prov: Garden - wild origin. IPEN: CN-0-GB-1994-0555.

233 *Sorbus lingshiensis* Rushforth

Acc: 1986-0048, BTN. 1985. CollNo: KR 876. Prov: Garden - wild origin. IPEN: BT-0-GB-1986-0048.

Rutaceae

234 *Dictamnus albus* L.

Acc: 1992-1070, ITA: Lombardiet, Corni de Canzo, Monte Moregallo, 800-1300 m. Prov: Garden - wild origin. IPEN: IT-0-GB-1992-1070.

Saxifragaceae

235 *Boykinia occidentalis* Torr. & A.Gray

Acc: 2014-0623, USA: OR, Lane Co., Cascade Range, Olallie Ridge, 1136 m. CollNo: NNS 91613-4. Prov: Garden - wild origin. IPEN: US-0-GB-2014-0623.

236 *Heuchera pulchella* Wootton & Standl.

Acc: 2002-0115, USA: New Mexico, Lincoln Co., 2804 m. Prov: Garden - wild origin. IPEN: US-0-GB-2002-0115.

237 *Tiarella polyphylla* D.Don

Acc: 2008-2405, CHN: Shaanxi, Quin Ling mountains, Taibai Shan, 1350-1400 m. 2008-09-18. CollNo: HeHeHe 024. Prov: Garden - wild origin. IPEN: CN-0-GB-2008-2405.

Scrophulariaceae

238 *Verbascum eriophorum* Godr.

Acc: 2001-1157, GRC: Pierias, Mt. Olimbos, between Litochoron and the first refuge on road to Prioni, 600-800 m, 40° 07' N | 22° 29' E. 2000-10-16. CollNo: S,KT&V 51270. Prov: Garden - wild origin. IPEN: GR-0-GB-2001-1157.

239 *Verbascum phoeniceum* L.

Acc: 2003-0249, ROU: Cluj Distr., Suatu. Prov: Garden - wild origin. IPEN: RO-0-GB-2003-0249.

240 *Verbascum rupestre* (Davidov) I.Ferg.

Acc: 2006-0550, GRC: Evrou, Soufliou, Hill 552 NW of the village of Lefkimi, by the road 0-1.5 km before the summit, 450-500 m, 41°06' N | 26°06' E. 2005-06-16. CollNo: AS 55681. Prov: Garden - wild origin. IPEN: GR-0-GB-2006-0550.

Staphyleaceae

241 *Staphylea pinnata* L.

Acc: 1988-0131, YUG: Bosnia, Canyon Miljacko, 750 m. Prov: Garden - wild origin. IPEN: YU-0-GB-1988-0131.

242 *Staphylea trifolia* L.

Acc: 1995-2062, USA: Michigan, Clinton Co., Muir. CollNo: HZ 95-113. Prov: Garden - wild origin. IPEN: US-0-GB-1995-2062.

Tropaeolaceae

243 *Tropaeolum speciosum* Poepp. & Endl.

Acc: 1900-0591. Prov: Garden. IPEN: XX-0-GB-1900-0591.

Collectors' initials

| | | | |
|--------|--|--------|---|
| AS | A. Strid | JP | J. Persson |
| BARAKA | Nordic Georgia Expedition 2007 | KGB | Kunming-Gothenburg Botanical Expedition to NW Yunnan 1993 |
| BATMAN | Nordic Expedition to Batman 2004 | KR | K. Rushforth |
| BS | B. Ståhl | KT | K. Tan |
| CLD | Chungtien-Lijiang-Dali 1990 | MN | M. Neuendorf |
| EAC | Expedition Atlas Ceder 1990 | NCE | North Caucasus Expedition 2011 |
| EZ | E. Zaharof | NNS | R. Ratko |
| F&Z | J. Fox & H. Zetterlund | OS | O. Sønderhausen |
| GBK | G. Bakshi Khaniki | P.&Z. | J. Persson & H. Zetterlund |
| GLUE | Gothenburg-Longwood US Expedition 2018 (J. Nilson & P. Zale) | PHS | P.H. Salvesen |
| H&W | I. Hedge & P. Wendelbo | PW | P. Wendelbo |
| HeHeHe | H. Pettersson, H. Sjöman & H. Zetterlund | S&Z | Strindberg & Zetterlund |
| HZ | H. Zetterlund | SCHM | Schau- und Sichtungsgarten Hermannshof |
| J&JA | J. & J. Archibald | SEP | Swedish Expedition to Pakistan 1983 |
| JHF | J. Fox | S,KT&V | A. Strid, K. Tan & G. Vold |
| JKP | J. & K. Persson | T4Z | G. Tjeerdsma, H. Zetterlund, D. & R. Zschummel, Zagros 2002 |
| J.NIL | J. Nilson | | |

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