



ПАБСИ КНЦ РАН
Самый северный в России

***Полярно-альпийский ботанический
сад-институт им. Н.А. Аврорина - обособленное подразделение
Федерального государственного бюджетного учреждения науки
Федерального исследовательского центра Кольский научный
центр Российской Академии наук***



Iris setosa



Gentiana lutea

КАТАЛОГ СЕМЯН

№ 75

***Кировск
2024***



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Polar-Alpine Botanical Garden-Institute named after N.A. Avrorina is a separate subdivision of the Federal State Budgetary Institution of Science of the Federal Research Center Kola Scientific Center of the Russian Academy of Sciences



Viburnum opulus



Rosa glauca

***INDEX SEMINUM
LXXV***

***Kirovsk
2024***

*Печатается по решению ученого совета Полярно-альпийского
ботанического сада-института Кольского научного центра
Российской академии наук*

СОСТАВИТЕЛИ:

*Тростенюк Н.Н., Гончарова О.А., Носатенко О.Ю., Виравчева Л.Л.,
Кириллова Н.Р.*

*Под редакцией
канд. биол. наук Л.Л.Виравчевой*

ПОЛЯРНО-АЛЬПИЙСКИЙ БОТАНИЧЕСКИЙ САД

Полярно-альпийский ботанический сад основан 26 августа 1931 года. Он расположен в южной части Хибинских гор в 120 км севернее Полярного круга. Основателем и первым директором Сада до 1960 года был Н.А.Аврорин.

Территория Сада с перепадом высот от 312 до 1068 м над ур. моря составляет 1670 га, из которых 1250 служат заповедником местной флоры. Здесь хорошо выражена вертикальная поясность растительности: пояс северной тайги, березовых криволесий, горнотундровый пояс, высокогорная арктическая пустыня.

Основные показатели климата можно видеть на климадиаграмме. Продолжительность вегетационного периода колеблется по годам, но в среднем не превышает 100-110 дней для горнотаежного пояса, где расположены питомники и экспозиции живых растений. Полярный день длится 54 дня (солнце не заходит с 26 мая по 18 июля).

Основными направлениями научной деятельности Сада являются исследования растительных и почвенных ресурсов Мурманской области и других районов Севера, вопросов интродукции и акклиматизации растений, декоративного садоводства и озеленения, сохранения редких видов растений.

В 1967 году Полярно-альпийскому ботаническому саду присвоен статус научно-исследовательского института Академии наук СССР.

Важную сторону работ Сада составляет научно-просветительная деятельность (проведение экскурсий, лекционная пропаганда, направленная на познание, рациональное использование и охрану растительного мира).

В коллекциях живых растений Сада можно встретить представителей более 3000 ботанических видов различных стран и континентов, из них около 2200 видов зимуют в открытом грунте без каких-либо специальных укрытий.

THE POLAR-ALPINE BOTANICAL GARDEN

The Polar-Alpine Botanical Garden was founded on August 26, 1931. It is situated in the southern part of the Khibiny Mountains 120 km north of the Polar circle. Founder and first director of the Garden was N.A. Avrorin.

The garden has the altitude difference from 312 up to 1068 m above the sea-level. Its territory equals 1670 hectares, where 1250 hectares are used as sanctuary of the local flora.

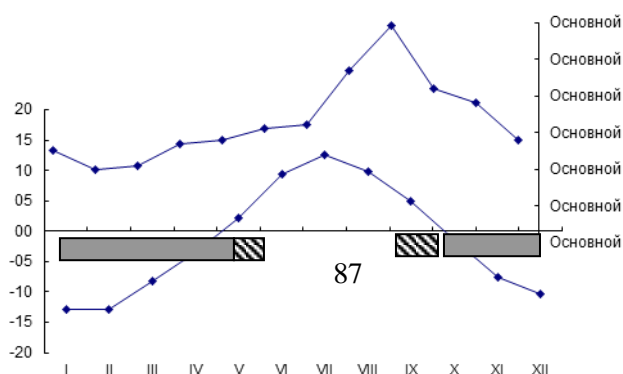
The main directions of the scientific activity of the Garden are investigations of vegetation and soil resources of Murmansk and other northern regions, the problems of plants introduction and acclimatization, ornamental and landscape and shade gardening, preservation of rare plant species.

In 1967 the Polar-Alpine Botanical Garden was conferred the rank of a scientific-research institute of the Academy of Sciences of USSR.

The Garden collection of alive plants consists of more than 3000 botanical species from different countries and continents, 2200 of which overwinter in the open ground free of any special cover.

KLIMADIAGRAMMA ET INDICATIONES METEOROLOGICAE
 КЛИМАДИАГРАММА И МЕТЕОРОЛОГИЧЕСКИЕ ПОКАЗАТЕЛИ

Кировск (316-340 м) -1,5° 818 мм [30-40]



Klimadiagramma: L.L. Viracheva, O.V. Kudrjavtseva.
 Климатодиаграмма: Л.Л. Виравчева, О.В. Кудрявцева.

| | |
|---|---------|
| Temperatura aeris media annua | |
| Среднегодовая температура воздуха | -1.5°C |
| Mensis frigidissimi (I, II) temperatura aeris media | |
| Средняя температура воздуха самого холодного месяца (I, II) | -12.8°C |
| Mensis calidissimi (VII) temperatura aeris media | |
| Средняя температура воздуха самого теплого месяца (VII) | 12.6°C |
| Amplitudo vacillations temperaturae | |
| Амплитуда колебания температуры воздуха | 25.4°C |
| Temperatura aeris absoluta maxima | |
| Абсолютный максимум температуры воздуха (VII.1960) | 30.0°C |
| Temperatura aeris absoluta minima | |
| Абсолютный минимум температуры воздуха (I.1985) | -42.5°C |
| Praecipitatio e caelo media annua | |
| Среднегодовое количество осадков | 818 мм |
| Aeris humiditas relative med annua | |
| Среднегодовая относительная влажность воздуха | 74% |
| Nubilositas media annua | |
| Среднегодовая облачность | 7.7балл |

DIVISIO I
SEMINA PLANTARUM IN HORTO NOSTRO CULTARUM

РАЗДЕЛ I
СЕМЕНА РАСТЕНИЙ, ВЫРАЩИВАЕМЫХ САДОМ

EXPLICATIO
ОБЪЯСНЕНИЯ

SIGNA ANTE NUMEROS ET NOMINA
ОБОЗНАЧЕНИЯ В ПЕРЕДИ НОМЕРОМ И ИМЕНОВАНИЙ

- A - Ager experimentalis Horti nostri prope urbem Apatity.
Открытый грунт на экспериментальном участке Сада в районе г. Апатиты.
- * - Semina anni 2023
Семена сбора 2023 г.
- Sine stellulis - Semina anni 2024
Без звездочки - Семена сбора 2024 г.

SIGNA ANTE ANNUM
ОБОЗНАЧЕНИЯ ПЕРЕД ГОДОМ

- p. - Specimina viva (rhizomata vel bulbi vel taleae) a nobis accepta.
Растения, полученные нами в виде саженцев (дернин, корневищ, луковиц, черенков и т.п.)
- s. - Plantae in Horto nostro e seminibus enatae.
Растения, выращенные в нашем Саду из семян (сеянцы).
- c. - Plantae ex specimenibus quae saltem uno anno colebantur ortae
Саженцы или сеянцы, полученные от растений, бывших в культуре хотя бы один год.
- n. - Plantae ex specimenibus sponte crescentibus ortae.
Саженцы, полученные непосредственно из природных местообитаний, или сеянцы, выращенные из собранных в природе семян.
- t. - Clones (etaleis).
Клоновое потомство (от черенков).
- R.1, 2... - Reproductio generationis 1,2 etc. plantarum indicatarum in Horto nostro.
Репродукция 1-го, 2-го и т.д. поколений в Полярно-альпийском ботаническом саду (г. Кировск) от указанных растений.
- 1934, 1940... - Harum plantarum in Horto nostro annus sationis.
Год посева или посадки данных растений в нашем Саду.

SIGNA POST ANNUM
ОБОЗНАЧЕНИЯ ПОСЛЕ ГОДА

- HB - Hortus botanicus.
Ботанический сад.
- HBU - Hortus botanicus universitatis.
Ботанический сад университета.
- HBP - Hortus botanicus principalis Academiae scientiarum Rossium, Mosqua.
Главный ботанический сад РАН, г. Москва.
- HBIB - Hortus botanicus Instituti Botanici nom. V.L.Komarovii Academiae scientiarum Rossicum, Petropolis
Ботанического института им. В.Л.Комарова РАН, г. Санкт-Петербург.
- NPO - "VILAR" - Institutum plantarum officinalium, Mosqua.
Всероссийский научно-исследовательский институт лекарственных и ароматических растений, г. Москва.
- AAT - Academia Agriculturae nom. K.A.Timirjasevii, Mosqua.
Сельскохозяйственная академия им. К.А.Тимирязева, г. Москва.
- DalNILH - Dendrarium of Far East Forestry Research Institute.
Дальневосточный научно-исследовательский институт лесного хозяйства.
- Alp - Alpinarium.
Альпинарий.
- Arb - Arboretum.
Дендрарий.

*SIGNA LOGORUM NATALIUM UBI SEMINA SEU PLANTAE LECTA SUNT (PRAETER LOCOS REGIONUS
MURMANENSIS QUI IN
DIVISIONE III INDICANTUR).*

**ОБОЗНАЧЕНИЯ МЕСТ СБОРА СЕМЯН И РАСТЕНИЙ В ПРИРОДЕ (КРОМЕ МУРМАНСКОЙ ОБЛАСТИ, ПО
КОТОРОЙ СМ. ОБЪЯСНЕНИЯ К РАЗДЕЛУ II).**

- Alatau - Kazachstan: Alatau Transiliensis in vicinitate urbis Alma-Aty, prata
Алатау alpina et subalpina in decliviboreali, 1500-2500 m s.m.f. Legit anno
1935-1937 N.V.Degtjarev.
- Казakhstan: окрестности г. Алма-Аты, Заилийский Алатау,
альпийские и субальпийские луга на северном склоне, 1500-2500 м
над ур. моря Сбор В.Н.Дегтярева в 1935-1937 гг.
- Altai— Montes Altai. Legerunt anno 1934 M.Ch.Kaczurin; anno 1964
Алтай B.N.Golovkin et L.A.Shavrov; anno 1969 G.N.Andreev, B.N.Golovkin,
Z.G.Ullet L.A.Shavrov.
- Алтайский горный массив. Сборы М.Х.Качурина в 1934г.;
Б.Н.Головкина и Л.А.Шаврова в 1964 г.; Г.Н.Андреева,
Б.Н.Головкина, З.Г.Улле и Л.А.Шаврова в 1969 г.
- 1 - Pratum alpinum, montis Czibilik, 1800 m s.m.f.
Альпийский луг, гора Чибилек, 1800 м над ур. моря.
- 2 - Pratum subalpinum inter arbores sparsae Pini sibiricae in declivitate
occidental montis Sujon (vallis fl. Karakol), 1750 m.s.m.f.
Субальпийский луг между редко стоящими кедрами на западном
склоне горы Суйон (долина р. Каракол), 1750 м над ур. моря.
- 4 - Steppae pratensis in vicinitate oppida Gorno-Altajsk atque in valle fl.
Katumj. 400-600 ms.m.f.
Луговые степи в окр. Горно-Алтайска и в долине р. Катунь, 400-
600 м над ур. моря.
- Bakuriani- Georgia (Grusia): in viciniis pagi Bakuriani, in jugi Trialetensis monte
Бакуриани Zehra-Zkaro. Legerunt anno 1937 N.A.Avrarin et A.N.Dzhachishvili;
anno 1939 A.J. Misch- kina; anno 1946 L.J.Areschkina et
A.N.Dzhavachishvili; anno 1971 V.A.Vassilenko, B.N.Golovkin et
A.P.Gorelova.
- Грузия: окрестности с. Бакуриани Боржомского района,
Триалетский хребет, гора Цхра-Цкаро. Сборы Н.А.Аврорина и
Н.Джавахишвили в 1937 г.; А.Я.Мишкиной в 1939г.;
Л.Я.Арешкиной и А.Н.Джавахишвили в 1946г.; В.А.Василенко,
Б.Н.Головкина и А.П.Гореловой в 1971 г.
- Carpatess- Montes Carpatice orientalis. Legerunt anno 1956 N.M.Alexandrova,
Карпаты G.N.Andreev, I.V.Vajnajet A.A.Kalnin; anno 1979 G.N.Andreev,
I.V.Vajnajet, A.P.Gorelova et L.A.Kazakov.
- Восточно-Карпатский горный массив. Сборы Н.М.Александровой,
Г.Н.Андреева, И.В.Вайнагия и А.А.Кальнина в 1956г.;
Г.Н.Андреева, И.В.Вайнагия, А.П.Гореловой и Л.А.Казакова в 1979
г.
- 1- Mons Bliznitsa, regio subalpina 1500-1800 m s.m.f.
Гора Близнаца, субальпийский пояс, 1500-1800 м над ур. моря.
- 2- Montes Menczul et Scheschul, ad limites superiores fagetorum, 1100-
1300 ms.m.f.
Горы Менчул и Шешул, верхний предел букового леса, 1100-1300
м над ур. моря.
- Czukotka- Paeninsula Czukotka, prope pagum Anadyrj (60°40' lat. bor., 177°30'
Чукотка

- long. or). Legerunt N.A.Avrerin et G.N.Andreev anno 1958.
Окрестности поселка Анадырь (60° 40' с.ш., 177° 30' в.д.). Сборы Н.А.Аврорина и Г.Н.Андреева, 1958г.
- 2 - In vicinii thermarum prope promontorium Czaplini (64° 20' lat. bor., 172° 20' long.occ.) paeninsulaeCzukotkae. LegeruntN.A.Avrerin, G.N.Andreevet, V.A.Gavriljuk, anno 1958.
Окрестности горячих ключей у мыса Чаплина (64° 20' с.ш., 172° 20' зап.д.) на Чукотском полуострове. Сборы Г.Н.Андреева, Н.А.Аврорина и В.А.Гаврилюка, 1958 г.
- 3 - Paeninsula Czukotka. In viciniis pagi Providentiae (64° 25' lat.bor, 173° 15' long.occ.). Legerunt N.A.Avrerin et G.N. Andreev, anno 1958.
Полуостров Чукотка, окрестности поселка Провидение (64° 25' с.ш., 173° 15' зап.д.). Сборы Н.А.Аврорина и Г.Н.Андреева, 1958 г.
- 4 - Paeninsula Czukotka. In viciniis pagi Egvekinot (66° 11' lat. bor., 179° long.occ.) declivum lapidosum austral supra sinum Crucis maris Beringiani. Legerunt N.A.Avrerin et G.N.Andreev, anno 1958.
Полуостров Чукотка. Каменистая осыпь южной экспозиции над заливом Креста Берингова моря у поселка Эгвекинот (66° 11' с.ш., 179° зап.д.). Сборы Н.А.Аврорина и Г.Н.Андреева, 1958 г.
- Igarka - In viciniis oppidi Igarka regionis Krasnojarskensis. Legerunt anno 1946
Игарка N.A.Avrerin et P.M.Medvedev.
Окрестности г. Игарки Красноярского края. Сборы Н.А.Аврорина и П.М.Медведева в 1946 г.
- Kamtschatka- Paeninsula Kamtschatka. Legerunt anno 1982 A.P. Gorelova,
Камчатка A.Ph.Zajtseva et L.A.Kazakov; anno 1985 G.N.Andreev.
Полуостров Камчатка. Сборы А.П.Гореловой, А.Ф. Зайцевой и Л.А.Казакова в 1982 г.; Г.Н.Андреева в 1985 г.
- Sachalin - Pars australis regionis Sachalinensis (insula Sachalin). Legerunt anno
Сахалин 1946 N.A.Avrerin, S.M.Kravczenko et P.M.Medvedev; anno 1967 N.M. Alexandrova, B.N.Golovkin, M.L.Ramenskaja et L.A.Schavrov.
Южная часть Сахалинской области. Сборы Н.А.Аврорина, С.М.Кравченко и П.М.Медведева в 1946 г.; Н.М.Александровой, Б.Н.Головкина, М.Л.Раменской и Л.А.Шаврова в 1967 г.
- Sajany- Саяны In jugo et depressione Tunkensi montium Sajanensium. Legit anno 1936
А.А.Коровкин.
Саянский горный массив, Тункинский хребет и Тункинская котловина. Сбор А.А.Коровкина в 1936 г.
- 3- Pineto-laricetum magniherbosum in declivi australi, 1600 m s.m.f.
Сосново-лиственничный лес с высокотравным покровом на южном склоне, 1600 м над ур. моря.
- Jakutsk -
Якутск
- 2- Pars inundata ancestralis vallis fluminis Lena in viciniis urbis Jacutsk. Legerunt N.A.Avrerin et G.N.Andreev, anno 1958.
Древняя пойма реки Лены в окрестностях г. Якутска. Сборы Н.А.Аврорина и Г.Н.Андреева, 1958 г.
- 3 - In viciniis urbis Magadan (57° 35' lat. bor., 150° 50' long. or.). Legerunt N.A. Avrorin et G.N.Andreev anno 1958.
Окрестности города Магадан (57° 35' с.ш., 150° 50' в.д.). Сборы Н.А.Аврорина и Г.Н.Андреева, 1958 г.

The volume of families the names of the genera and species is given according to The World Flora Online and S.K. Cherepanov (1995).

Латинские названия семейств, родов и видов растений приведены по: TheWorldFloraOnline (2022) (Электронный ресурс). -<http://www.worldfloraonline.org/>.

Черепанов С.К. Сосудистые растения России и сопредельных государств. С-Пб.: Мир и семья - 95, 1995. 990 с.

PLANTAE LIGNOSAE
ДЕРЕВЬЯ И КУСТАРНИКИ

Legerunt: O.A. Gonczarova, P.S. Zykova, A.N. Sidorova, I.M. Shcherbakova
Сбор: О.А. Гончарова, П.С. Зыкова, А.Н. Сидорова, И.М. Щербакова

| BERBERIDACEAE Juss. | | | |
|---|--|-----|--|
| <i>Berberis amurensis</i> Rupr. | | | |
| K | | 1. | s.n. 1948, Rossia, Far East, South Sikhote-Alin |
| K | | 2. | R.1 2001 ab s.c. 1950, Rossia, Voronezh, HBU |
| <i>Berberis aquifolium</i> Pursh | | | |
| K | | 3. | s.c. 1997, Rossia, Archangelsk, Arb. |
| BETULACEAE S.F. Gray | | | |
| <i>Alnus alnobetula</i> (Ehrh.) K. Kox | | | |
| K | | 4. | s.n. 1957, Ukraina, Carpates, mount Petros |
| <i>Alnus alnobetula</i> subsp. <i>fruticosa</i> (Rupr.) Raus | | | |
| K | | 5. | s.n. 1947, Rossia, Igarka |
| K | | 6. | s.n. 1982, Rossia, Polar Ural |
| K | | 7. | s.n. 1982, Rossia, Jakutia, Labytnangi |
| <i>Alnus hirsute</i> (Spach) Rupr. | | | |
| K | | 8. | s.n. 1948, Rossia, Krasnoyarsk region, Turukhansk |
| <i>Betula pendula</i> var. <i>carelica</i> (Merckl.) Hämet-Ahti | | | |
| K | | 9. | s.c. 1980, Karelia, Sortavala |
| K | | 10. | s.c. 1994, Finland, Tornio, Arb. |
| CAPRIFOLIACEAE Juss. | | | |
| <i>Lonicera alpigena</i> L. | | | |
| K | | 11. | s.c. 1961, Rossia, Barnaul, Arb. |
| <i>Lonicera amoena</i> Zabel f. <i>rosea</i> | | | |
| A | | 12. | s.c. 2016, Rossia, Archangelsk, Arb. |
| <i>Lonicera chamissoi</i> Bunge | | | |
| A | | 13. | s.n. 1982, Rossia, Kamtschatka |
| K | | 14. | R.1 1998 ab s.n. 1982, Rossia, Kamtschatka |
| <i>Lonicera chrysantha</i> Turcz. ex Ledeb. | | | |
| A | | 15. | t.c. 1950 ab s.c. 1941, Rossia, Archangelsk, Arb. |
| <i>Lonicera hispida</i> Pall. ex Schult. | | | |
| K | | 16. | R.1 1998 ab s.n. 1986, Kazachstan, Alatau |
| <i>Lonicera involucrata</i> (Richardson) Banks ex Spreng | | | |
| K | | 17. | R.1 1951 ab s.c. 1941, Rossia, Sankt-Peterburg, HBIB |
| K | | 18. | s.c. 1957, Sweden, Stockholm, HBU |
| K | | 19. | R.2 2004 ab s.c. 1941, Rossia, Sankt-Peterburg, HBIB |
| <i>Lonicera korolkowii</i> Stapf var. <i>zabelii</i> Rehder | | | |
| K | | 20. | s.c. 1989, Finland, Tornio, Arb. |
| <i>Lonicera maximowiczii</i> (Rupr.) Regel | | | |
| K | | 21. | s.c. 1951, Rossia, Mosqua, HBP |
| <i>Lonicera muscaviensis</i> Rehder | | | |
| K | | 22. | p.c. 1990 ab s.c. 1941, Belorossia, Minsk, HBU |
| <i>Lonicera nigra</i> L. | | | |
| K | | 23. | s.c. 1962, Ukraina, Uzgorod, HBU |
| A | | 24. | s.n. 1979 Ukraina, Chernigov, HB |
| K | | 25. | R.1 2003 ab s.c. 1962, Ukraina, Uzgorod, HBU |
| <i>Lonicera ruprechtiana</i> Regel | | | |
| A | | 26. | s.c. 2016, Bashkortostan, Ufa, HBU |
| <i>Lonicera stenantha</i> Pojark. | | | |
| K | | 27. | s.c. 2000, Rossia, Altai, Barnaul |
| <i>Lonicera tatarica</i> L. | | | |
| K | | 28. | R.1 2002 ab s.n. 1994, Karelia, Kem' |
| A | | 29. | R.1 2015 ab s.c. 1989, Finland, Tornio, Arb |
| <i>Lonicera xylosteum</i> L. | | | |
| K | | 30. | R.1, 2001 ab s.c. 1955, Rossia, Archangelsk, Arb. |
| A | | 31. | s.c. 2014, Rossia, Kirov |

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| A | | 32. | s.c. 2016, France, Grenoble, HB Alp. |
| CORNACEA Bercht. ex J. Presl | | | |
| <i>Cornus alba</i> L. | | | |
| K | | 33. | s.n. 1989, Rossia, Jakutia |
| K | | 34. | t.c. 2003 ab s.n. 1989, Rossia, Jakutia |
| <i>Cornus sanguinea subsp. australis</i> (C.A.Mey.) Jáv. | | | |
| K | | 35. | s.c. 1998, Danmark, København, HBU |
| CUPRESSACEAE Gray | | | |
| <i>Juniperus communis</i> var. <i>saxatilis</i> Pall. | | | |
| A | | 36. | s.n. 1982, Rossia, Kamtschatka |
| ERICACEAE Juss. | | | |
| <i>Rhododendron aureum</i> Georgi | | | |
| A | | 37. | R.1 1990 ab s.n. 1982, Rossia, Kamtschatka |
| <i>Rhododendron caucasicum</i> Pall. | | | |
| K | | 38. | p.n. 1959, Georgia, Bakuriani |
| <i>Rhododendron kotschyi</i> Simonk. | | | |
| K | | 39. | s.n. 1956, Ukraina, Carpates |
| FABACEAE Juss. | | | |
| <i>Caragana arborescens</i> Lam. | | | |
| K | | 40. | s.c. 1950, Rossia, Sankt-Peterburg, HBIB |
| A | | 41. | R.1 2010 ab s.c. 1989, Finland, Tornio, Arb |
| A | | 42. | R.1 2016 ab s.c. 1950, Rossia, Sankt-Peterburg, HBIB |
| <i>Caragana frutex</i> (L.) K. Koch | | | |
| K | | 43. | s.c. 1948, Ukraina, Kiev, HB |
| <i>Caragana grandiflora</i> DC. | | | |
| K | | 44. | s.c. 1990, Rossia, Archangelsk, Arb |
| GROSSULARIACEAE DC. | | | |
| <i>Ribes alpinum</i> L. | | | |
| K | | 45. | R.1 1962 ab s.c.1948, Rossia, Ekaterinburg, HBU |
| A | | 46. | s.n. 2017, Suisse, Sankt – Gallen, HB |
| <i>Ribes hudsonianum</i> Richardson | | | |
| A | | 47. | s.c. 2018, Rossia, Jakutsk, HBU |
| <i>Ribes nigrum</i> L. ‘Barnaulka’ | | | |
| K | | 48. | s.c. 1957 Rossia, Vladivostok, HB |
| <i>Ribes nigrum</i> L. ‘Chuchur-Muran’ | | | |
| K | | 49. | t.c. 1960, Rossia, Jakutsk |
| <i>Ribes nigrum</i> L. ‘Igarka’ | | | |
| K | | 50. | R.1 1943 ab p.c. 1938, Rossia, Murmansk region, st.Khibiny, POVIR |
| <i>Ribes nigrum</i> L. ‘Krasnoyarskaya’ | | | |
| K | | 51. | s.n. 1941, Rossia, Krasnoyarsk region |
| <i>Ribes nigrum</i> L. ‘Marmite’ | | | |
| K | | 52. | t.c. 1953, Rossia, Murmansk region, st.Khibiny, POVIR |
| <i>Ribes nigrum</i> L. ‘Naryadnaya’ | | | |
| K | | 53. | s.c. 1957, Rossia, Leningrad region, Pavlovsk |
| <i>Ribes nigrum</i> L. ‘Neapolitanskaya’ | | | |
| K | | 54. | R.2 1973 ab t.c. 1956, Rossia, Archangelsk, Arb. |
| <i>Ribes nigrum</i> L. ‘Pechorskaya’ | | | |
| K | | 55. | R.3, 1957 ab t.c. 1950, Rossia, Murmansk region, st.Khibiny, POVIR |
| <i>Ribes nigrum</i> L. ‘Seynec Igarki’ | | | |
| K | | 56. | p.c. 1953 ab p.c. 1938, Rossia, Murmansk region, Kirovsk, HB |
| <i>Ribes nigrum</i> L. ‘Taježnaja’ | | | |
| K | | 57. | R.2, 1951 ab p.n. 1936, Rossia, Sajany |
| <i>Ribes nigrum</i> L. f. <i>aconitifolium</i> Kirchn. | | | |
| K | | 58. | R.1 1957 ab s.c. 1946, Rossia, Sankt-Peterburg, HBIB |

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| <i>Ribes nigrum</i> L. var. <i>sibiricum</i> W. Wolf. | | | |
| K | | 59. | R.4 1957 ab s.n. 1939, Rossia, Altai |
| A | | 60. | t.c. 2010 ab s.c. 1954, Rossia, Altai, Barnaul |
| <i>Ribes nigrum</i> L. f. <i>viridis</i> | | | |
| K | | 61. | s.n. 1939, Rossia, Altai |
| <i>Ribes petraeum</i> Wulfen | | | |
| A | | 62. | s.c. 1956, Rossia, Archangelsk, Arb. |
| K | | 63. | R.1 2005 ab s.c. 1956, Rossia, Archangelsk, Arb. |
| A | | 64. | R.1 2015 ab s.c. 1983, Suisse, Chambesy/Geneve, HB |
| <i>Ribes procumbens</i> Pall. | | | |
| K | | 65. | t.c. 1956 ab s.c.1950, Rossia, Barnaul, Arb. |
| K | | 66. | R.2 1956 ab s.c.1950, Rossia, Barnaul, Arb. |
| <i>Ribes rubrum</i> L. | | | |
| K | | 67. | R.1 1945 ab p.n. 1936, Rossia, Sajany |
| A | | 68. | s.c. 1997, Rossia, Sankt-Peterburg, HBIB |
| <i>Ribes rubrum</i> L. 'Varzuga' | | | |
| K | | 69. | t.c. 1953, Rossia, Murmansk region, st.Khibiny, POVIR |
| RANUNCULACEAE Juss. | | | |
| <i>Clematis alpina</i> subsp. <i>sibirica</i> (L.) Kuntze | | | |
| A | | 70. | s.n. 1989, Rossia, Jakutia |
| OLEACEAE Hoffmanns. & Link | | | |
| <i>Syringa henryi</i> C.K.Schneid. | | | |
| K | | 71. | s.c. 1950, Rossia, Tomsk, HBU |
| <i>Syringa josikaea</i> J.Jacq.ex Rchb. | | | |
| K | | 72. | s.c. 2004, Rossia, Archangelsk, Arb. |
| <i>Syringa komarowii</i> C.K.Schneid. | | | |
| K | | 73. | s.c. 2004, Rossia, Archangelsk, Arb. |
| <i>Syringa oblata</i> Lindl. | | | |
| K | | 74. | s.c. 1976, Karelia, Petrozavodsk, HBU |
| <i>Syringa persica</i> L. | | | |
| K | | 75. | p.c. 1936, Rossia, Irkutsk, HBU |
| <i>Syringa pinetorum</i> W.W.Sm. | | | |
| K | | 76. | s.c. 1940, Rossia, Sankt-Peterburg, HBIB |
| <i>Syringa reticulata</i> (Blume) H. Hara | | | |
| K | | 77. | p.c. 1987, Rossia, Archangelsk Arb |
| <i>Syringa tomentella</i> subsp. <i>sweginzowii</i> (Koehne&Lingelsh.) Jin Y.Chen&D.Y.Hong | | | |
| K | | 78. | s.c. 2004, Rossia, Archangelsk, Arb. |
| <i>Syringa villosa</i> Vahl | | | |
| K | | 79. | t.c. 1953 ab s.c. 1939, Rossia, Sankt-Peterburg, HBIB |
| <i>Syringa villosa</i> subsp. <i>wolfii</i> (C.K.Schneid.) Jin Y.Chen&D.Y.Hong | | | |
| K | | 80. | s.n. 1947, Rossia, Far East, South Sikhote-Alin |
| K | | 81. | t.c. 1954 ab s.c. 1948, Rossia, Ekaterinburg, HBU |
| K | | 82. | s.c. 2004, Rossia, Archangelsk, Arb. |
| PINACEAE Lindl. | | | |
| <i>Abies sibirica</i> Ledeb. | | | |
| K | | 83. | p.c. 1936, Rossia, Sankt-Peterburg, HBIB |
| K | | 84. | p.c. 1937, Rossia, Sankt-Peterburg, HBIB |
| RHAMNACEAE Juss. | | | |
| <i>Frangula alnus</i> Mill. | | | |
| K | | 85. | s.c. 1950, Rossia, Mosqua, HBP |
| A | | 86. | s.c. 1976, Karelia, Petrozavodsk, HBU |
| K | | 87. | s.n. 1999, Rossia, Murmansk region, Kirovsk |
| ROSACEAE Juss. | | | |
| <i>Amelanchier alnifolia</i> var. <i>semi-integrifolia</i> (Hook.) C.L.Hitchc. | | | |
| K | | 88. | p.c. 1939, Rossia, Sankt-Peterburg, HBIB |
| K | | 89. | s.c. 1951, Rossia, Murmansk region, Kirovsk, HB |

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| A | | 90. | s.c. 2013, Rossia, Archangelsk, Arb. |
| <i>Amelanchier spicata</i> (Lam.) K. Koch | | | |
| K | | 91. | R.1 2001 ab s.c. 1955, Rossia, Ekaterinburg, HBU |
| A | | 92. | s.c. 2013, Rossia, Archangelsk, Arb. |
| <i>Cotoneaster alauenicus</i> Golitsin | | | |
| K | | 93. | s.c. 1957, Rossia, Voroneg, HBU |
| A | | 94. | R.1 1976 ab s.c. 1957, Rossia, Voroneg, HBU |
| <i>Cotoneaster cinnabarinus</i> Juz. | | | |
| A | | 95. | s.n. 1984, White Sea islands |
| <i>Cotoneaster ignavus</i> E.L.Wolf | | | |
| A | | 96. | s.c. 2015, Rossia, Jakutsk, HBU |
| <i>Cotoneaster integerrimus</i> Medik. | | | |
| A | | 97. | p.c. 1989, Finland, Tornio, Arb. |
| <i>Cotoneaster laxiflorus</i> J.Jacq. ex Lindl. | | | |
| A | | 98. | s.c. 2017, Bashkortostan, Ufa, HBU |
| <i>Cotoneaster niger</i> (Ehrh.) Fr. | | | |
| A | | 99. | s.c. 2015, Poland, Lublin, HBU |
| <i>Crataegus nigra</i> Waldst. & Kit. | | | |
| K | | 100. | R. 1 1976 ab s.c. 1957, Rossia, Archangelsk, Arb. |
| K | | 101. | R.1, 1978 ab s.c. 1947, Rossia, Mosqua, HBP |
| <i>Normeyera margittaiana</i> (Jáv.) Sennikov & Kurtto | | | |
| A | | 102. | R.1 1976 ab s.c. 1947, Rossia, Mosqua, HBP |
| K | | 103. | R.1 1976 ab s.c. 1947, Rossia, Mosqua, HBP |
| <i>Prunus grayana</i> Maxim. | | | |
| A | | 104. | s.c. 2013, Rossia, Archangelsk, Arb. |
| <i>Prunus maackii</i> Rupr. | | | |
| K | | 105. | s.c. 1978, Karelia, Sortavala |
| <i>Prunus padus</i> L. | | | |
| K | | 106. | s.c. 1936, Rossia, Irkutsk, HBU |
| K | | 107. | s.c. 1989, Finland, Tornio, Arb. |
| A | | 108. | s.c. 2012, Rossia, Sankt-Peterburg, HBIB |
| <i>Prunus padus</i> var. <i>borealis</i> A.Blytt | | | |
| A | | 109. | R.1 2015 ab p.n. 1975, Rossia, Murmansk region, Khabozero |
| <i>Prunus padus</i> L. f. <i>colorata</i> Almquist | | | |
| K | | 110. | s.c. 1992, Finland, Tornio, Arb. |
| A | | 111. | s.c. 1992, Finland, Tornio, Arb. |
| K | | 112. | p.c. 1993, Finland, Tornio, Arb. |
| K | | 113. | R.1 2002 ab p.c. 1992, Finland, Tornio, Arb. |
| K | | 114. | t.c. 2004 ab s.c. 1989, Finland, Tornio, Arb. |
| <i>Prunus padus</i> L. f. <i>commutata</i> Dippel | | | |
| K | | 115. | s.c. 1946, Rossia, Archangelsk, Arb. |
| <i>Prunus pensylvanica</i> L. f. | | | |
| A | | 116. | s.c. 2015, Rossia, Izhevsk, HBU |
| <i>Prunus pumila</i> var. <i>besseyi</i> (L.H.Bailey) Waugh | | | |
| A | | 117. | s.c. 2016, Rossia, Yakutsk, HBU |
| <i>Prunus virginiana</i> L. | | | |
| A | | 118. | s.c. 2013, Rossia, Krasnoyarsk |
| A | | 119. | s.c. 2015, Rossia, Izhevsk, HBU |
| <i>Rosa acicularis</i> Lindl. | | | |
| K | | 120. | s.n. 1947, Rossia, Igarka |
| A | | 121. | s.c. 1989, Finland, Tornio, Arb. |
| A | | 122. | s.n. 1995, Karelia, Kindasovo |
| A | | 123. | s.c. 2015, Rossia, Yoshkar-Ola, HBU |
| <i>Rosa glauca</i> Pourr. | | | |
| K | | 124. | s.c. 1946, Rossia, Penza, HBU |
| K | | 125. | p.c.+s.c. 1964, Poland, Golukhow, Arb. |
| <i>Rosa davurica</i> Pall. | | | |
| K | | 126. | R.1+t.c. 1951 ab s.c. 1946, Rossia, Nizhny Novgorod, HBU |
| K | | 127. | R.1 1953 ab s.c. 1935, Rossia, Sankt-Peterburg, HBIB |
| <i>Rosa davurica</i> Pall. x <i>Rosa rugosa</i> Thunb. | | | |
| K | | 128. | R.1 1973 ab s.c. 1966, Rossia, Murmansk region, Kirovsk, HB |
| <i>Rosa majalis</i> Herrm. | | | |
| K | | 129. | s.c. 1989, Finland, Tornio, Arb |
| K | | 130. | R.1 2001 ab s.n. 1947, Rossia, Nenets autonoma District, Amderma |

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| A | | 131. | s.c. 2015, Poland, Lublin, HBU |
| <i>Rosa majalis</i> Herrm. 'Tornedalica' | | | |
| K | | 132. | p.c. 1992, Finland, Tornio, Arb. |
| <i>Rosa 'Minisa'</i> | | | |
| K | | 133. | R.1 1972 ab p.c. 1962, Rossia, Mosqua, HBP |
| <i>Rosa rugose</i> Thunb. | | | |
| K | | 134. | p.c. 1937, Rossia, Sankt-Peterburg, HBIB |
| K | | 135. | s.c. 1947, Sweden, Lund, HB |
| K | | 136. | s.c. 1950, Rossia, Ekaterinburg, HBU |
| K | | 137. | R.1 1953 ab s.c. 1947, Sweden, Lund, HB |
| A | | 138. | s.c. 2016, Rossia, Archangelsk, Arb. |
| <i>Rosa villosa</i> L. | | | |
| K | | 139. | s.c. 1956, Rossia, Mosqua, HBP |
| A | | 140. | s.c. 2015, Poland, Lublin, HBU |
| <i>Sorbus americana</i> Marshall | | | |
| K | | 141. | s.c. 1949, Rossia, Voroneg, HBU |
| <i>Sorbus aucuparia</i> L. | | | |
| A | | 142. | s.n. 1979, Ukraina, Carpates |
| A | | 143. | s.n. 1979, Ukraina, Carpates |
| A | | 144. | s.c. 1983, Rossia, Petropavlovsk-Kamchatsky |
| <i>Sorbus aucuparia subsp. pohuashanensis</i> (Hance) McAll. | | | |
| K | | 145. | s.c. 1941, Canada, Ottawa, HB |
| <i>Sorbus sambucifolia</i> (Cham. & Schltdl.) M.Roem | | | |
| A | | 146. | R.2 1979 ab. s.n. 1947, Rossia, Primorsky region |
| K | | 147. | R.1 2000 ab s.n. 1985, Rossia, Sachalin region, Korsakov |
| <i>Sorbus subfusca</i> Boiss. | | | |
| K | | 148. | s.n. 1955, Rossia, North Ossetia |
| <i>Spiraea betulifolia</i> Pall. | | | |
| A | | 149. | s.n. 1987, Rossia, Kamtschatka |
| SALICACEAE Mirb. | | | |
| <i>Populus suaveolens</i> Fisch. | | | |
| K | | 150. | p.n. 1982, Rossia, Kamtschatka |
| SOLANACEAE Juss. | | | |
| <i>Solanum dulcamara</i> L. | | | |
| K | | 151. | R.3 2003 ab s.c. 1978, Karelia, Petrozavodsk, HBU |
| THYMELACEAE Juss. | | | |
| <i>Daphne mezereum</i> L. | | | |
| K | | 152. | p.n. 1934, Rossia, Altai |
| VIBURNACEAE Raf. | | | |
| <i>Sambucus kamtschatica</i> E.L.Wolf | | | |
| K | | 153. | s.c. 2004, Rossia, Archangelsk, Arb |
| <i>Sambucus racemosa</i> L. | | | |
| A | | 154. | s.c. 2013, Rossia, Syktyvkar, HB |
| <i>Sambucus sibirica</i> Nakai | | | |
| A | | 155. | s.c. 2013, Rossia, Archangelsk, Arb. |
| <i>Viburnum opulus</i> L. | | | |
| A | | 156. | t.c. 2011 ab s.c. 1980, Karelia, Valaam island |

PLANTAEHERBACEAE
ТРАВЯНИСТЫЕ РАСТЕНИЯ

Legerunt: L.L. Viraczewa, N.N. Trostenyuk, O.Y. Nosatenko, Vinogradova O.I., A.V. Koshcheeva,

Сбор: Л.Л. Виращева, Н.Н. Тростенюк, Носатенко О.Ю.,
О.И. Виноградова, А.В. Кошчева

| AMARYLLIDACEAE J.St.-Hil. | | |
|--|--------|--|
| <i>Allium altaicum</i> Pall. | | |
| | 157. | p.c. 1998 ab R.1 1943 ab p.n. 1940, Rossia, Altai |
| <i>Allium altynolicum</i> N. Friesen | | |
| | 158. | s.c. 2017, Rossia, Ufa, HB |
| <i>Allium angulosum</i> L. | | |
| | 159. | s.c. 2022, Rossia, Samara, HBU |
| <i>Allium atrosanguineum</i> Schrenk var. <i>fedtschenkoanum</i> (Regel) G.H.Zhu&Turland | | |
| | * 160. | s.n. 1990, Tadschikistan, Chorog, HB Pamirensis |
| <i>Allium bachhousianum</i> Regel | | |
| A | 161. | s.c. 2000, Rossia, Samara, HBU |
| <i>Allium beesianum</i> W.W. Sm. | | |
| A | 162. | p.n. 2006, Rossia, Mosqua, |
| <i>Allium carolinianum</i> DC. | | |
| A | 163. | s.n. 1976, Tadschikistan, Chorog, HB Pamirensis |
| <i>Allium fistulosum</i> L. | | |
| A | 164. | s.c. 2014, Rossia, Izhevsk, HBU |
| | 165. | s.c. 2014, Rossia, Izhevsk, HBU |
| <i>Allium ledebourianum</i> Schult. et Schult. fil. | | |
| | 166. | p.c. 2005 abs.n. 1990, Tadschikistan, Chorog, HBPamirensis |
| A | 167. | p.c. 2017 abs.n. 1990, Tadschikistan, Chorog, HBPamirensis |
| | 168. | p.c. 2018 abs.n. 1993, Rossia, Mosqua, NPO "VILAR" |
| <i>Allium mairei</i> H. Léveillé | | |
| | * 169. | p.c. 2015 ab s.c. 1957, Sweden, Stockholm, HBU |
| <i>Allium ochotense</i> Prokh. | | |
| | 170. | p.c. 2015 ab s.c. 1967, Rossia, Sachalin |
| <i>Allium platyspathum</i> Schrenk | | |
| | * 171. | p.c. 2004 ab s.c. 1948, Sweden, Uppsala, HBU |
| <i>Allium rotundum</i> L. | | |
| | 172. | s.c. 2017, Estonia, Tartu, HBU |
| <i>Allium schoenoprasum</i> L. | | |
| | 173. | R.1 1983 ab p.n. 1972, Rossia, Altai 1 |
| | 174. | p.c. 2004 ab p.n. 1972, Rossia, Altai 1 |
| | 175. | p.c. 2006 ab p.n. 1934, Rossia, Altai |
| | 176. | p.c. 2018 ab R.1 1983 ab p.n. 1972, Rossia, Altai 1 |
| | 177. | p.c. 2015 ab s.n. 1982, Canada, Montreal, HB |
| | 178. | p.c. 2021 ab R.1 1961, Rossia, Tomsk, HBU |
| <i>Allium schoenoprasum</i> L. var. <i>schoenoprasum</i> L. | | |
| | 179. | p.c. 1991 ab s.n. 1985, Czechia, Liberec, HB |
| | 180. | p.c. 2010 ab p.n. 1934, Rossia, Novosibirsk, HB |
| <i>Allium splendens</i> Willd. Ex Schult. et Schult. fil. | | |
| | 181. | p.c. 1994 ab s.n. 1939, Canada, Ottava, HB |
| <i>Allium strictum</i> Schrad. | | |
| | 182. | s.c. 2019, Rossia, Barnaul, Arb. |
| <i>Allium ursinum</i> L. | | |
| | 183. | p.c. 1998 ab p.n. 1988, Ukraina, Carpates |
| <i>Allium victorialis</i> L. | | |
| | 184. | p.c. 1998 ab R.1 1943 ab p.n. 1934, Rossia, Altai 2 |
| | 185. | p.c. 2005, ab p.n. 1946, Rossia, Georgia, Bakuriani |
| | 186. | p.c. 2018, ab p.n. 1946, Rossia, Georgia, Bakuriani |
| <i>Galanthus nivalis</i> L. | | |
| | 187. | p.n. 1986, Ukraina, Carpates |
| <i>Narcissus angustifolius</i> Curt. | | |
| | 188. | p.c. 2006 ab p.n. 1988, Ukraina, Carpates |

| APIACEAE Lindl. | | |
|--|------|--|
| <i>Anthriscus nitida</i> (Wahlenb.) Hazslinszky | | |
| | 189. | p.c. 2004 ab s.c. 1980, Ukraina, Carpates |
| <i>Astrantia major</i> L. | | |
| | 190. | s.n. 1997, Austria, Graz, HBU |
| <i>Astrantia major</i> L. ssp. <i>carinthiaca</i> (Hoppe) Arcang. | | |
| | 191. | s.n. 1994, Italia, Cogne H Alp. |
| <i>Chaerophyllum aromaticum</i> L. | | |
| * | 192. | s.n. 1981, Ukraina, Carpates |
| <i>Chaerophyllum villarsii</i> Koch. | | |
| | 193. | p.c. 1998 ab s.n. 1991, Austria, Salzburg, HBU |
| <i>Heracleum antasiaticum</i> Manden. | | |
| | 194. | s.c. 1954, Armenia, Erevan, HBIB |
| <i>Heracleum asperum</i> (Hoffm.) M. Bieb. | | |
| | 195. | s.n. 1957, Rossia, Mosqua, HBP |
| <i>Heracleum calcreum</i> Albovssp. <i>colchicum</i> (Lipsky) Satzyperova | | |
| | 196. | s.n. 1955, Rossia, Mosqua, HBP |
| <i>Heracleum cyclocarpum</i> K. Koch | | |
| | 197. | s.n. 1954, Georgia, Tbilici, HBA |
| <i>Heracleum lanatum</i> Michx. | | |
| * | 198. | s.n. 1952, Rossia, Kamtschatha |
| | 199. | s.n. 1952, Rossia, Kamtschatha |
| <i>Heracleum lehmannianum</i> Bunge | | |
| | 200. | s.n. 1948, Rossia, Sankt-Peterburg, HBIB |
| <i>Heracleum sphondylium</i> L. ssp. <i>montanum</i> (Schleich. Ex Gaudin) Briq. | | |
| | 201. | R.1 1964 ab s.c. 1932 Sankt-Peterburg, HBIB |
| <i>Laserpitium latifolium</i> L. | | |
| * | 202. | p.c. 2002 ab p.n. 1956, Ukraina, Carpates 2 |
| <i>Laserpitium siler</i> L. | | |
| A | 203. | s.c. 2007, Italia, Aosta, HB |
| <i>Ligusticum mutellina</i> (L.) Crantz | | |
| | 204. | s.n. 1980, Ukraina, Carpates |
| | 205. | s.n. 1980, Ukraina, Carpates |
| <i>Myrrhisodorata</i> (L.) Scop. | | |
| | 206. | p.c. 1998 ab s.c. 1956, Germany, Rostok, HBU |
| <i>Pimpinella rhodantha</i> Boiss. | | |
| | 207. | p.c. 2020 ab p.n. 1955, Caucasus, Tschinvali |
| <i>Selinum alatum</i> (M.Bieb.) Poir. | | |
| | 208. | p.c. 2010 ab p.n. 1935, Armenia |
| ASPARAGACEAE Juss. | | |
| <i>Convallaria keiskei</i> Miq. | | |
| A | 209. | p.c. 2011 ab p.n. 1979, Rossia, Mosqua, HBP |
| <i>Convallaria keiskei</i> Miq. cv. <i>Albostrata</i> | | |
| A | 210. | p.c. 2009, Rossia, Orel |
| <i>Ornithogalum balanse</i> Boiss. | | |
| | 211. | R.1 1951 ab p.n.1946, Georgia, Bakuriani |
| | 212. | R.1 1954 ab p.n.1946, Georgia, Bakuriani |
| <i>Ornithogalum magnum</i> Krasch. & Schischk. | | |
| | 213. | p.n. 1971, Georgia, Bakuriani |
| <i>Paradisea liliastrum</i> (L.) Bertol. | | |
| | 214. | p.c. 2011 ab s.c. 1958, Germany, Mainz, HBU |
| | 215. | p.c. 2020 ab s.c. 1958, Germany, Mainz, HBU |
| | 216. | p.c. 2018 ab s.c. 1946, Rossia, Nizhny Novgorod, HBU |
| ASPHODELACEAE Juss. | | |
| <i>Hemerocallis citrina</i> Baroni | | |
| A | 217. | s.c. 2017, Rossia, Saratov, HBU |
| <i>Hemerocallis dumortieri</i> E.Morren | | |
| | 218. | p.c. 1980 ab p.n. 1947 Rossia, Sachalin |
| <i>Hemerocallis esculenta</i> Koidz | | |
| | 219. | p.c. 1980 ab p.n. 1967 Rossia, Sachalin |
| | 220. | p.c. 1990 ab p.n. 1947 Rossia, Sachalin |

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| <i>Hemerocallis lilio-asphodelus</i> L. | | |
| | 221. | p.c. 2010 ab p.n. 1934 Rossia, Altai |
| ASTERACEAE Dumort. | | |
| <i>Achillea impatiens</i> L. | | |
| | 222. | s.c. 2007 ab R.1 1989 ab s.n. 1947, Rossia, Igarka |
| <i>Achillea macrophylla</i> (Waldst. ex Kit.) Sch. Bip. | | |
| | 223. | s.c.1999, France, Paris, HB |
| <i>Achillea millefolium</i> L. cv. Вишневая королева | | |
| A | 224. | s.c.2023, Rossia, Izhevsk, HBU |
| <i>Antennaria alpina</i> (L.) Gaertn. | | |
| | * 225. | s.c. 1997, Iceland, Akureyri, HB |
| <i>Antennaria howellii</i> Greene | | |
| | 226. | s.c. 2006, Hungary, Vácrátót, HB |
| <i>Antennaria rosea</i> subsp. <i>rosea</i> Greene | | |
| | 227. | p.c. 2017 ab s.c. 1938, Finland, Helsinki, HBU |
| <i>Antennaria speciosa</i> E. Nelson | | |
| | 228. | p.c. 2015 ab s.c. 1956, Czechia, Praha, HB |
| | 229. | p.c. 2021 ab s.c. 1964, Austria, Linz, HB |
| <i>Arnica angustifolia</i> Vahl. subsp. <i>alpina</i> (L.) I.K. Ferguson | | |
| | 230. | p.c. 1999 ab R.2 1970 abs.c. 1965, Sweden, Uppsala, HBU |
| | 231. | s.n. 2005, Japan, Tsukuba, HBU |
| <i>Arnica chamissonis</i> Less. | | |
| | 232. | p.c. 2003 ab s.c. 1981, Canada, Vancouver, HBU |
| | 233. | p.c. 2007 ab s.c. 1983, Suisse, Champex-Las, HB |
| | 234. | p.c. 2014 ab s.c. 1988, Suisse, Champex-Las, HB |
| <i>Arnica cordifolia</i> Hook. | | |
| | * 235. | p.c. 1992 s.c. 1957, Sweden, Stockholm, HBU |
| | 236. | s.c.2003, France, Nancy |
| <i>Arnica griscomii</i> Fenald subsp. <i>frigida</i> (C.A.Mey. ex Iljin) S.J.Wolf | | |
| | 237. | s.c. 1996, Iseland, Akureyri, HB |
| <i>Arnica lanceolata</i> Nutt. subsp. <i>prima</i> (Maguire) Strother & S.J. Wolf | | |
| A | 238. | s.c.2002, Germany, München, HB |
| | 239. | p.c. 2010 ab s.c. 1992, Germany, Bochum, HBU |
| | 240. | p.c. 2014 ab s.n. 1992, Germany, München, HB |
| | 241. | p.c. 2018 ab s.n. 1972, Danmark, København, HBU |
| <i>Arnica lonchophylla</i> Greene | | |
| | 242. | p.c. 2021 ab s.c. 1979, Finland, Turku, HBU |
| <i>Arnica longifolia</i> Eaton | | |
| | 243. | s.c. 1983, Canada, Edmonton, HBU |
| | 244. | s.c. 1983, Canada, Edmonton, HBU |
| | 245. | s.c. 1997, Germany, Tübingen, HBU |
| <i>Arnica mollis</i> Hook. | | |
| | 246. | s.c. 1996, Germany, Marburg, HBU |
| | 247. | p.c. 2016 abs.c. 1972, Danmark, København, HBU |
| <i>Arnica montana</i> L. | | |
| A | 248. | p.c. 1989 ab R.1951 ab p.n. 1933, Rossia, Sankt-Peterburg, HBIB |
| | 249. | p.c. 1989 ab R.1951 ab p.n. 1933, Rossia, Sankt-Peterburg, HBIB |
| | 250. | p.c. 2018 ab R.1951 ab p.n. 1933, Rossia, Sankt-Peterburg, HBIB |
| | 251. | p.c. 1994 ab s.n. 1947, France, Samoëns, HB |
| | 252. | p.c. 1994 ab s.c. R.2 1970 ab s.n. 1947, France, Samoëns, HB |
| | 253. | p.c. 1998 ab s.c. R.4 1976 ab s.n. 1939, France, Samoëns, HB |
| | 254. | p.c. 2003 ab s.c. R.1 1947 ab s.n. 1939, France, Samoëns, HB |
| | 255. | p.c. 1999 ab s.n. 1958, Czechia, Peč |
| | 256. | p.c. 2007 abs.n. 1976, Ukraine, Lvov, HBU |
| | 257. | p.c. 2022abs.n. R.1 1981, Ukraine, Lvov, HBU |
| | 258. | p.c. 2022abs.n. 1960, Italia, Udine, HBI |
| | 259. | p.c. 2022abs.n. 1962, Romania, Cluj, HBU |
| | 260. | p.c. 2022abs.n. 1988, Austria, Salzburg, HBU |

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| <i>Arnica nevadensis</i> A. Gray | | | |
| | | 261. | p.c. 2007 ab s.c. 1970, Germany, Gießen, HBU |
| | | 262. | p.c. 2007 ab s.c. 1992, Rossia, Syktyvkar, HBIB |
| <i>Arnica parryi</i> A. Gray | | | |
| | | 263. | p.c. 1993 ab s.c. 1969, Suisse, Champex-Lac, HB |
| A | | 264. | s.c. 2016 ab s.c. 1998, Suisse, Iceland, Reykjavik, HB |
| <i>Arnica rydbergii</i> Greene | | | |
| | | 265. | p.c. 2004 ab s.c. 1983, Canada, Edmonton, HBU |
| <i>Arnica sororia</i> Greene | | | |
| | | 266. | s.c. 1992, Germany, Bonn, HBU |
| | | 267. | s.c. 1993, Netherland, Rotterdam, HB |
| <i>Aster sibiricus</i> L. | | | |
| | | 268. | p.c. 1994 ab s.n. 1959, Rossia, Jakutsk |
| | | 269. | p.c. 1999 ab R.4 1972 ab s.n. 1959, Rossia, Czukotka 1 |
| | | 270. | p.c. 2014 ab s.n. 1970, Latvia, Salaspils, HB |
| | | 271. | p.c. 2018 abs.n. 1947, Rossia, Igarka |
| <i>Bellis caeruleascens</i> (Coss.) Coss. et Bol. | | | |
| | | 272. | p.c. 2018 ab R.1 1989 ab s.c. 1956, France, Paris, HB |
| <i>Bellis perennis</i> L. | | | |
| | | 273. | p.c. 2009 ab s.n. 1970, Portugal, Porto, HB |
| <i>Bellis sylvestris</i> Cirillo | | | |
| | | 274. | s.n. 2002, Austria, Salzburg, HBU |
| <i>Caucasalia pontica</i> (K.Koch) Greuter | | | |
| | | 275. | p.c. 2018 abs.n. 1947, Rossia, |
| <i>Centaurea mollis</i> Waldst. et Kit | | | |
| | | 276. | p.c. 2004 ab s.n. 1976, Rossia, Caucasus |
| <i>Centaurea montana</i> L.cv. <i>alba</i> | | | |
| | | 277. | R.1 1980 ab s.c. 1967, France, Besanson, HBU |
| | | 278. | p.c. 2014 ab R.1 1980 ab s.c. 1967, France, Besanson, HBU |
| <i>Cicerbita alpina</i> (L.) Wallr. | | | |
| | | 279. | p.c. 2003 ab s.c. 1957, Slovakia, Bratislava, HBU |
| <i>Cirsium spinosissimum</i> (L.) Scop. | | | |
| | | 280. | s.n. 1999, Suisse, Chambesy/Geneve, HB |
| <i>Crepis pyrenaica</i> (L.) W. Greuter. | | | |
| | | 281. | s.n. 1998, France, Bordeaux, HB |
| <i>Doronicum altaicum</i> Pall. | | | |
| | | 282. | p.c. 1998 ab R.1 1943 ab p.n. 1940, Rossia, Altai |
| | | 283. | p.c. 2011 ab R.1 1943 ab p.n. 1940, Rossia, Altai |
| <i>Doronicum austriacum</i> Jacq. | | | |
| | | 284. | p.c. 1998 s.n. 1976, Ukraina, Carpates |
| | | 285. | p.c. 2014 s.n. 1967, Slovakia, Bratislava, HBU |
| <i>Doronicum carpaticum</i> (Griseb. et Schenk) | | | |
| | | 286. | s.n. 1998, Makedonia trans Austria Salzburg, HBU |
| <i>Doronicum cataractarum</i> Widder | | | |
| | | 287. | p.c. 2018 ab R.2 1959 ab s.n. 1938, Austria, Graz, HBU |
| <i>Doronicum glaciale</i> (Wulf.) Nyman | | | |
| | | 288. | s.c. 2014, Iceland, Akureyri, HB |
| <i>Doronicum grandiflorum</i> Lam. | | | |
| | | 289. | p.c. 2008 ab R.1 1943 ab s.n. 1939, France, Grenoble, HB Alp. |
| <i>Doronicum macrophyllum</i> Fisch. ex Hornem. | | | |
| | | 290. | p.c. 2010 ab R1 1978 ab s.n. 1956, Armenia, Erevan, HB |
| <i>Erigeron aurantiacus</i> Regel | | | |
| | * | 291. | p.c. 2014 ab R3 1976 ab p.n. 1936, Kazachstan, Alatau |
| <i>Erigeron glacialis</i> (Nutt.) A. Nelson | | | |
| | | 292. | p.c. 2021 abs.c. 1989, Iceland, Akureyri, HB |
| | | 293. | p.c. 2020 abs.c. 1989, Iceland, Akureyri, HB |
| <i>Erigeron multiradiatus</i> (Lindl. ex DC.) Benth. Et Hook. | | | |
| | | 294. | p.c. 2014 ab R.4 1976 ab s.c. 1939, Finland, Helsinki, HBU |
| <i>Hieracium sabaudum</i> L. | | | |
| A | | 295. | s.c. 2015 Germany, Stuttgart, HB |
| <i>Homogyne alpina</i> (L.) Cass. | | | |
| | | 296. | p.c. 2002 ab p.n. 1956, Ukraina, Carpates 2 |
| <i>Hypochaeris maculata</i> L. | | | |
| | | 297. | p.c. 2002 ab 1956, Rossia, Mosqua, HBP |

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|---|---|------|---|
| <i>Jacobaea incana</i> (L.) Veldkamp | | | |
| A | | 298. | s.c. 2014, Austria, Innsbruck, HB |
| <i>Lactuca plumieri</i> (L.) Gren. & Godr. | | | |
| | | 299. | p.n. 2010 ab R.1 1953 ab s.n. 1938, Danmark, København, HBU |
| <i>Leontodon hispidus</i> L. subsp. <i>hispidus</i> L. | | | |
| | | 300. | s.c. 2011, Germany, Berlin-Dahlem, HB |
| <i>Ligularia altaica</i> DC. | | | |
| | | 301. | p.c. 2004 ab s.c. R.1 1940 ab p.n. 1934, Rossia, Altai |
| <i>Ligularia alticola</i> Worosch. | | | |
| | | 302. | s.n. 1994, Rossia, Sachalin |
| <i>Ligularia calthifolia</i> Maxim. | | | |
| | | 303. | p.c. 2014 ab s.c. R.2 1976 Rossia, Oriens eretremus |
| <i>Ligularia sachalinensis</i> Nakai | | | |
| | | 304. | s.c. 1984, Germany, Halle, HBU |
| <i>Pilosella aurantiaca</i> (L.) F.W.Schultz & Sch.Bip. | | | |
| | | 305. | p.c. 2002 ab p.c. 1998 ab s.n. 1947, Rossia, Sachalin |
| <i>Podospermum roseum</i> Gemeinholzer & Greuter | | | |
| | * | 306. | p.c. 2005 ab p.n. 1947, Ukraina, Carpates |
| <i>Prenanthes purpurea</i> L. | | | |
| | | 307. | p.c. 2005 ab s.n. 1947, France, Samoëns, HB |
| <i>Rhaponticum scariosum</i> Lam. | | | |
| | * | 308. | s.n. 1982, Germany, Marburg, HBU |
| <i>Saussurea iodostegia</i> Hance | | | |
| | | 309. | s.c. 2021, Suisse, Les Avant, HB |
| <i>Saussurea kurilensis</i> Tatew. | | | |
| | | 310. | s.c. 1995, Italia, Cogne, H Alp. |
| <i>Senecio cannabifolius</i> Less. | | | |
| | | 311. | p.c. 1998 ab s.n. 1947, Rossia, Yuzhno-Sakhalinsk, HB |
| <i>Senecio nemorensis</i> L. | | | |
| | | 312. | p.c. 2011 ab s.n. 2007, Rossia, Igarka |
| <i>Senecio subalpinus</i> Koch | | | |
| | | 313. | p.c. 1994 ab R.1 1964 ab s.n. 1957, Slovakia, Bratislava, HBU |
| | | 314. | p.c. 2002 ab s.n. 1957, Slovakia, Bratislava, HBU |
| | | 315. | p.c. 2018R 1 1 964 ab s.n. 1957, Slovakia, Bratislava, HBU |
| <i>Stemmacantha chamarensis</i> (Peschkova) Czerep. | | | |
| | | 316. | s.c. 1999, Rossia, Novosibirsk, HBU |
| <i>Tanacetum macrophyllum</i> Sch.Bip. | | | |
| | | 317. | s.c. 2003, Germany, Stuttgart, HBU |
| <i>Tanacetum vulgare</i> L. | | | |
| | | 318. | p.c. 2003 ab s.n. 1947, Rossia, Igarka |
| <i>Telekia speciosa</i> (Schreb.) Baumg. | | | |
| | | 319. | p.c. 2008 ab s.c. 1939, Rossia, Sankt-Peterburg, HBIB |
| | | 320. | s.c. 1999, Polonia, Lodz, HB |
| BERBERIDACEAE Juss. | | | |
| <i>Podophyllum hexandrum</i> Royle | | | |
| | | 321. | p.c. 1988 ab s.c. 1952, Rossia, Sankt-Peterburg, HBIB |
| | | 322. | p.c. 1989, Rossia, Sankt-Peterburg, HBIB |
| A | | 323. | s.c. 2006, Rossia, Sankt-Peterburg, HBIB |
| | | 324. | p.c. 2015 ab s.c. 1939, Rossia, Sankt-Peterburg, HBIB |
| | | 325. | p.c. 1998 ab s.c. 1958, Germany, Frankfurt am Main, HBU |
| | | 326. | s.c. 2006, Germany, Frankfurt am Main, HBU |
| | | 327. | s.c. 1995, China |
| | | 328. | s.c. 2013, Iceland, Reykjavik, HB |
| BIGNONIACEAE Juss. | | | |
| <i>Incarvillea zhongdianensis</i> C. Gray-Wilson | | | |
| A | | 329. | s.c. 2006, Iceland, Reykjavik, HB |
| A | | 330. | s.c. 2006, Iceland, Reykjavik, HB |

| BORAGINACEAE Juss. | | | |
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| <i>Symphytum officinale</i> L. | | | |
| | | 331. | s.c. 2014, Polonia |
| BRASSICACEAE Burnett | | | |
| <i>Hugueninia tanacetifolia</i> (L.) Reichb. | | | |
| | * | 332. | p.c. 2019 ab R.2 1987 s.c.1976,Suisse, Bern, HBU |
| CAMPANULACEAE Juss. | | | |
| <i>Campanula alliariifolia</i> Willd. | | | |
| A | | 333. | s.c. 2018, Estonia, Tartu, HBU |
| <i>Campanula barbata</i> L. | | | |
| | | 334. | p.c. 2020 ab R.4 ab s.n. 1939, France, Samoëns, HB |
| <i>Campanula cephalotes</i> Nakai | | | |
| | | 335. | p.c. 2010 ab s.c. 1939, Rossia, Sankt-Peterburg, HBIB |
| <i>Campanula excise</i> Schleich. ex Murith | | | |
| A | | 336. | s.c. 2023, Rossia, Pensa, HBU |
| <i>Campanula glomerata</i> L. | | | |
| | | 337. | p.c. 1998 ab p.n.1957, Ukraina, Carpates |
| | | 338. | p.c. 2020 ab R.1 1969, Polonia, Wroclaw, HBU |
| <i>Campanula hofmannii</i> (Pant.) Greuter & Burdet | | | |
| A | | 339. | s.c. 2021, Austria, Klagenfurt, HB |
| <i>Campanula latifolia</i> L. | | | |
| | | 340. | p.c. 2010 ab R.2 1949 ab s.c. 1936, Rossia, Sankt-Peterburg, HBIB |
| | | 341. | p.c. 2018 ab R.2 1949 ab s.c. 1936, Rossia, Sankt-Peterburg, HBIB |
| | | 342. | s.n. 2009, Rossia, Petrozavodsk, HBU |
| <i>Campanula latifolia</i> L. var. <i>macrantha</i> Sims. | | | |
| | * | 343. | p.c. 1989 ab R.2 1949 ab s.c. 1936, Rossia, Sankt-Peterburg, HBIB |
| <i>Campanula rhomboidalis</i> L. | | | |
| | | 344. | p.c. 2018 ab s.n. 1982, Suisse, Chambésy/Genève, HB |
| <i>Campanula tridentata</i> Schreb. | | | |
| | | 345. | p.c. 2015 ab R.2 1959 ab p.n. 1939,Georgia, Bakuriani |
| <i>Phyteuma betonicifolium</i> Vill. | | | |
| A | | 346. | s.n. 2007, Austria, Salzburg, HBU |
| <i>Phyteuma orbiculare</i> L. | | | |
| | | 347. | p.c. 1994 ab s.n. 1976, Austria, Wien, HBU |
| | | 348. | p.c. 2010 ab s.n.1957, Ukraina, Carpates |
| <i>Phyteuma spicatum</i> L. | | | |
| | | 349. | s.n. 1999, Suisse, Chambésy/Genève, HB |
| CAPRIFOLIACEAE Juss. | | | |
| <i>Knautia arvensis</i> (L.) Coult. | | | |
| | | 350. | p.c. 2018 ab 1939, Rossia, Mosqua, HBP |
| <i>Valeriana alliariifolia</i> Adams | | | |
| | | 351. | p.c. 2019 ab s.n. 1992 Germany, München, HB |
| | | 352. | p.c. 2019 ab s.n. 1992 Germany, München, HB |
| <i>Valeriana alliariifolia</i> Adams var. <i>tiliifolia</i> (Troickij) | | | |
| | | 353. | p.c. 2002 ab s.n. 1966, Rossia, Naltchik, HBU |
| <i>Valeriana alpestris</i> Stev. | | | |
| | | 354. | p.c. 2006 ab p.n. 1955, Caucasus, Tschinvali |
| <i>Valeriana officinalis</i> L. | | | |
| | | 355. | p.c. 1982 ab R.1 1943 ab p.n. 1934, Rossia, regio Leningradensis |
| | | 356. | p.c. 2015 ab R.1 1943 ab p.n. 1934, Rossia, regio Leningradensis |

| CARYOPHYLLACEAE Juss. | | | |
|---|---|------|--|
| <i>Dianthus alpinus</i> L. | | | |
| A | | 357. | p.c. 2013 ab s.n. 1993, Austria, Wien, HBU |
| <i>Dianthus anatolicus</i> Boiss. | | | |
| A | * | 358. | s.c. 2020, Austria, Linz, HB |
| <i>Dianthus barbatus</i> L. var. <i>compactus</i> (Kit.) Heuff. | | | |
| A | | 359. | s.c. 2017, Germany, Rabenau |
| <i>Dianthus deltoids</i> L. cv. <i>Maiden Pink</i> | | | |
| A | * | 360. | s.c. 2004, Slovakia, Bratislava, HBU |
| <i>Dianthus diffusus</i> Sm. | | | |
| A | * | 361. | s.c. 2019, Slovenia, Ljubljana, HBU |
| <i>Dianthus eretmopetalus</i> Stapf | | | |
| A | | 362. | s.n. 2004, Ireland, Dublin, HB |
| <i>Dianthus freynii</i> Vandas | | | |
| A | | 363. | s.c. 2021, Austria, Wien, HBU |
| <i>Dianthus giganteiformis</i> Borbas subsp. <i>pontederacae</i> (A. Kern.) Soo | | | |
| A | | 364. | s.c. 2019, Germany, München, HBU |
| <i>Dianthus gratianopolitanus</i> Vill. cv. <i>PurpurKönig</i> | | | |
| A | | 365. | s.c. 2004, Romania, Cluj, HBU |
| <i>Dianthus gratianopolitanus</i> Vill. cv. <i>Reinrosa</i> | | | |
| A | | 366. | s.c. 2004, Iceland, Akureyri, HB |
| <i>Dianthus orientalis</i> Adams | | | |
| A | | 367. | s.c. 1990, Norway, Bergen, HBU |
| <i>Eremogone polaris</i> (Schischk.) Ikonn | | | |
| | | 368. | p.n. 2022, Russia, Gydan Peninsula |
| | | 369. | R.1 2023 ab p.n. 2022, Russia, Gydan Peninsula |
| <i>Minuartia circassica</i> (Albov) Woronow | | | |
| | | 370. | p.c. 2000 ab p.n. 1937, Georgia, Bakuriani |
| <i>Saponaria lutea</i> L. | | | |
| A | * | 371. | s.c. 1998, Germany, Halle, HBU |
| <i>Silene chungtienensis</i> W.W.Smith | | | |
| A | | 372. | s.c. 2020, Germany, Bonn, HBU |
| <i>Silene dioica</i> (L.) Clairv. | | | |
| | | 373. | p.c. 2018 ab s.n. 1989, Romania |
| <i>Silene vulgaris</i> (Moench) Garcke. | | | |
| | | 374. | p.c. 2021 ab s.n. 1972 Russia, Narjan-Mar, flora localis |
| <i>Viscaria vulgaris</i> Bernh. | | | |
| A | | 375. | s.c. 2004, Slovakia, Bratislava, HBU |
| CORNACEAE Dumort. | | | |
| <i>Cornus canadensis</i> L. | | | |
| | | 376. | s.n. 1956, Canada, Ottawa, HB |
| CRASSULACEAE DC. | | | |
| <i>Hylotelephium anacampseros</i> (L.) H. Ohba | | | |
| A | | 377. | s.n. 2009, Italia, Courmayeur, HB Alp. |
| A | | 378. | s.n. 2013, France, Paris, HB |
| <i>Rhodiola integrifolia</i> Rafin. | | | |
| | | 379. | p.n. 1982, Russia, Kamtschatka |
| | | 380. | p.c. 2021 ab R3 1989 ab s.n. 1959, Russia, Czukotka 2 |
| | | 381. | p.c. 2021 ab R3 1989 ab s.n. 1959, Russia, Czukotka 2 |
| | | 382. | p.c. 1985, USA trans Russia, Mosqua, HBP |
| <i>Rhodiola rhodantha</i> (A. Gray) Jacobs. | | | |
| | | 383. | s.c 1991, Sweden, Göteborg, HB |
| | | 384. | s.c 1992, Sweden, Göteborg, HB |
| <i>Rhodiolarosea</i> L. | | | |
| | | 385. | s.n. 1981, Russia, Polar Ural |
| | | 386. | R.1 1987 ab s.n. 1959, Russia, Czukotka 4 |
| | | 387. | p.c. 2002 ab R.1 1972 ab s.n. 1959, Russia, Czukotka 4 |
| | | 388. | p.c. 2021 ab R.2 1979 ab s.n. 1959, Russia, Czukotka 4 |
| | | 389. | p.c. 2021 ab R.2 1977 ab s.n. 1957, Ukraina, Carpates 1 |
| | | 390. | s.n. 1998, Polonia, Zakopane, HB |
| | | 391. | s.n. 1998, France, Paris, HB |

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| | | 392. | p.c. 2012 ab p.n. 1936, Rossia, Sajany |
| | | 393. | p.c. 2018 ab R.1 1980 ab p.n. 1936, Rossia, Sajany |
| | | 394. | p.n. 2023, Rossia, regioMurmanensis, Teriberka |
| <i>Rhodiola stephanii</i> (Cham.) Trautv. & C.A. Mey. | | | |
| | | 395. | p.c. 2010 ab R.1 1979 ab s.c. 1957, Rossia, Sankt-Peterburg, HBIB |
| FABACEAE Lindl. | | | |
| <i>Galega officinalis</i> L. | | | |
| | | 396. | p.c. 2010 ab s.c. 1954, Rossia, Mosqua, AAT |
| <i>Galega orientalis</i> Lam. | | | |
| | | 397. | p.c. 2015 ab s.n. 1941, Caucasus |
| <i>Hedysarum alpinum</i> L. | | | |
| | | 398. | p.n. 1989, Rossia, regioMurmanensis |
| <i>Hedysarum hedysaroides</i> (L.) Schinz et Thell. | | | |
| | | 399. | s.n. 1982, Kamtschatka |
| <i>Lathyrus frolovii</i> Rupr. | | | |
| | | 400. | R.2 1987 ab s.c. 1947, Ireland, Dublin, HB |
| | | 401. | R.2 1987 ab s.c. 1947, Ireland, Dublin, HB |
| <i>Lathyrus gmelinii</i> Fritsch | | | |
| | | 402. | p.c. 1998 ab s.c. 1954, Rossia, Tomsk, HBU |
| <i>Lupinus nootkatensis</i> Donn ex Sims. | | | |
| | | 403. | R.1 1976 ab s.c. 1972, Iceland, Reykjavik, HB |
| <i>Lupinus polyphyllus</i> Lindl. | | | |
| | | 404. | s.c. 2019, Suisse, Sankt-Gallen, HB |
| <i>Thermopsis lanceolata</i> R.Br. | | | |
| | | 405. | s.n. 1987, Rossia, Sachalin |
| | | 406. | s.n. 1994, Rossia, Sachalin |
| | | 407. | s.c. 2017, Rossia, Blagoveschensk, HB |
| <i>Thermopsis rhombifolia</i> (Pursh) Richardson | | | |
| A | | 408. | s.c. 1998, Belquim, Meise, HB |
| <i>Thermopsis villosa</i> (Walter) Fernald et B.G. Schub. | | | |
| | | 409. | p.c. 2005 ab s.c. 1940, Rossia, Sankt-Peterburg, HBIB |
| <i>Trifolium lupinaster</i> L. | | | |
| | * | 410. | s.c. 1972 ab R.1 1948, Rossia, Igarka |
| GENTIANACEAE Juss. | | | |
| <i>Gentiana crassicaulis</i> Dithie ex Burkill | | | |
| A | * | 411. | s.c.2010, France, Nantes, HB |
| <i>Gentiana fischeri</i> P. Smirn. | | | |
| | | 412. | p.c. 2004 ab R.1 1990 ab p.n. 1969 Rossia, Altai |
| <i>Gentiana lutea</i> L. | | | |
| | | 413. | s.c. 1981, Polonia, Zakopane HB |
| | | 414. | s.c. 1981, Polonia, Zakopane HB |
| <i>Gentiana lutea</i> L. ssp. <i>lutea</i> L. | | | |
| | | 415. | s.n. 1982, France, Besanson, HBU |
| <i>Gentiana punctata</i> L. | | | |
| | | 416. | p.c. 2008 ab s.c. 1977, Suisse, Bern, HBU |
| | | 417. | p.c. 2008 ab s.c. 1977, Suisse, Bern, HBU |
| <i>Gentiana septemfida</i> Pall. | | | |
| | | 418. | p.c. 2010 ab R.1 1951 ab p.n. 1947, Georgia, Bakuriani |
| | | 419. | p.c. 2015 ab R.1 1951 ab p.n. 1947, Georgia, Bakuriani |
| <i>Gentiana straminea</i> Maxim. | | | |
| A | * | 420. | p.c. 2006, Rossia, Mosqua |
| GERANIACEAE Juss. | | | |
| <i>Geranium albiflorum</i> Ledeb. | | | |
| | | 421. | p.c. 2021 ab p.n. 1969, Rossia, Altai |
| <i>Geranium clarkei</i> P.Y. Jeo cv. Kashmir Purple | | | |
| | | 422. | s.n.2004, Iceland, Akureyri, HB |
| <i>Geranium columbinum</i> L. | | | |
| A | | 423. | s.c. 2013, Suisse, Sankt-Gallen, HB |

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| <i>Geranium himalayense</i> Klotzsch | | | |
| A | | 424. | s.n. 1985, Kirghizia |
| | | 425. | s.n. 1985, Kirghizia |
| <i>Geranium platypetalum</i> Fisch et C.A. Mey. | | | |
| | | 426. | p.c. 2016 ab s.c. 1954, Georgia, Tbilici |
| <i>Geranium sanguineum</i> L. | | | |
| A | | 427. | s.c. 1996, Suisse, Bern, HBU |
| <i>Geranium transbaicalicum</i> Serg. | | | |
| | | 428. | p.c. 1999 ab s.c. 1958, Rossia, Jakutsk |
| <i>Geranium yunnanense</i> Franch. | | | |
| A | | 429. | s.c. 2004, Iceland, Akureyri, HB |
| HYPERICACEAE Juss. | | | |
| <i>Hypericum ascyron</i> L. ssp. <i>gebleri</i> (Ledeb.) N. Robson. | | | |
| A | | 430. | s.c. 2015, Rossia, Ekaterinburg, HBU |
| <i>Hypericum elegans</i> Steph. ex Willd. | | | |
| A | | 431. | s.c. 2015, Rossia, Izhevsk, HBU |
| <i>Hypericum maculatum</i> Crantz | | | |
| | | 432. | p.c. 2010 ab R.1 1939 ab s.c. 1961, Rossia, Mosqua, HBP |
| A | | 433. | s.c. 2014, Suisse, Sankt- Gallen, HB |
| IRIDACEAE Juss. | | | |
| <i>Iris bismarkiana</i> Regel ex Wien. | | | |
| A | | 434. | s.c. 2006, Italia, Bormio, H Alp |
| <i>Iris ruthenica</i> Ker-Gawl. | | | |
| A | | 435. | p.c. 2002 ab p.n. 1970, Rossia, Irkutsk, HBU |
| <i>Iris setosa</i> Pall. ex Link | | | |
| | | 436. | p.c. 2011 ab R.1 1964 ab s.n. 1959, Rossia, Jakutsk 2 |
| | | 437. | p.c. 2011 ab R.1 1964 ab s.n. 1959, Rossia, Jakutsk 2 |
| | | 438. | p.c. 1999 ab s.n. 1959, Rossia, Jakutsk 2 |
| | | 439. | p.c. 2018 ab p.n. 1959, Rossia, Jakutsk 2 |
| | | 440. | p.c. 2021 ab R.2 1971 ab p.n. 1959, Rossia, Jakutsk 2 |
| | | 441. | p.c. 2007 ab s.n. 1971, Rossia, Jakutsk 3 |
| | | 442. | p.c. 2021 ab R.1 1971 ab s.n. 1958, Rossia, Jakutsk 3 |
| | | 443. | p.c. 2021 abs.n. 1983, Rossia, Kamtschatka |
| <i>Iris sibirica</i> L. | | | |
| | | 444. | s.n. 1986, Austria |
| JUNACEAE Juss. | | | |
| <i>Luzula luzuloides</i> (Lam.) Dandy et Wilmott | | | |
| A | | 445. | s.n. 1997, Rossia, Mosqua, HBP |
| LAMIACEAE Lindl. | | | |
| <i>Dracocephalum grandiflorum</i> L. | | | |
| | | 446. | p.c. 2015 ab R.1 1962 ab p.n. 1934, Rossia, Altai |
| <i>Nepeta distans</i> Royle | | | |
| | | 447. | p.c. 2018 abs.c. 1940, Danmark, Kobenhavn, HBU |
| <i>Nepeta kokanica</i> Regel | | | |
| A | * | 448. | s.c. 2022, Germany, Leipzig, HBU |
| <i>Nepeta mussinii</i> Spreng. | | | |
| A | | 449. | s.c. 2024, Rossia, Jakutsk |
| <i>Nepeta pamirensis</i> Franch. | | | |
| A | | 450. | s.c. 2002, Italia, Bormio, H Alp |
| <i>Nepeta schugnanica</i> Lipsky | | | |
| | | 451. | s.c. 1996, Iceland, Akureyri, HB |
| <i>Nepeta wilsonii</i> Duthie | | | |
| A | * | 452. | s.c. 2021, Iceland, Reykjavik, HB |
| <i>Phlomidoides oreophila</i> (Kar. et Kir.) Adyl., R. Kam. Et Machmedov | | | |
| | | 453. | p.c. 2010 ab s.c. 1985, Kirghizia |

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|--|---|------|---|
| <i>Stachys macrantha</i> (K. Koch) Stearn | | | |
| | | 454 | p.c. 2004 ab p.n. 1971, Georgia, Bakuriani |
| | | 455. | p.c. 2012 ab R.1 1974 ab p.n. 1939, Georgia, Bakuriani |
| <i>Stachys officinalis</i> (L.) Trevisan | | | |
| A | | 456. | s.c. 2014, Belorossia, Minsk, HBU |
| LILIACEAE Juss. | | | |
| <i>Erythronium sibiricum</i> (Fisch. et C.A. Mey.) Kryl. | | | |
| | | 457. | p.c. 2014 ab R1 1943 ab p.n. 1934, Rossia, Altai 4 |
| <i>Fritillaria camschatcensis</i> (L.) Ker-Gawl. | | | |
| | | 458. | p.c. 2007 ab p.n. 1967, Rossia, Yuzhno-Sakhalinsk, HB |
| <i>Lilium bulbiferum</i> L. | | | |
| | | 459. | p.c. 2003 ab s.n. 1958, France, Grenoble, HB Alp. |
| <i>Lilium martagon</i> L. | | | |
| | | 460. | p.c. 2016, Rossia, Ivanovo |
| | | 461. | p.c. 2018 ab p.n. 1934, Rossia, Altai |
| | | 462. | p.c. 2021 ab p.n. 1986, Ukraina, Carpates |
| <i>Lilium monadelphum</i> M.Bieb | | | |
| A | | 463. | p.c. 2008 ab p.n. 1975, Caucasus |
| <i>Streptopus amplexifolius</i> (L.) DC. | | | |
| | | 464. | p.c. 2011 ab p.n. 1967, Sachalin |
| MALVACEAE Juss. | | | |
| <i>Malva moschata</i> L. | | | |
| | | 465. | p.c.2019 abs.c. 2015, Lithuania, Vilnius, HB |
| | | 466. | R1 2023 ab p.c.2019 abs.c. 2015, Lithuania, Vilnius, HB |
| PAEONIACEAE Rudolphi | | | |
| <i>Paeonia anomala</i> L. | | | |
| | | 467. | p.c. 1974, Rossia, Archangelsk, Arb. |
| | | 468. | p.c. 1974, Rossia, Archangelsk, Arb. |
| | | 469. | p.c. 2006 ab R.2 1976 ab p.n. 1934, Rossia, Altai 4 |
| <i>Paeonia officinalis</i> L. | | | |
| A | | 470. | s.n. 2008, Germany, Berlin, HB |
| <i>Paeonia oreogeton</i> S. Moore | | | |
| | | 471. | p.c. 2014 ab s.c. 1954, Rossia, Mosqua, AAT |
| PAPAVERACEAE Juss. | | | |
| <i>Chelidonium majus</i> L. | | | |
| A | | 472. | s.c. 2012, Germany, Osnabrück, HBU |
| <i>Meconopsis horridula</i> Hook. F. et Thomson | | | |
| A | | 473. | s.c. 2021, Italia, Trento, H Alp. |
| <i>Papaver nudicaule</i> L. | | | |
| | | 474. | R... 2012 ab s.c. 1938, Finland, Helsinki, HBU |
| <i>Papaver oreophilum</i> Rupr. | | | |
| | | 475. | R.....2008 ab s.c. 1938, Alatau |
| <i>Papaver orientale</i> L. | | | |
| | | 476. | R.....2012 ab s.c. 1945, Rossia, Perm, HBU |
| <i>Papaver orientale</i> L. cv. <i>Haides Blush</i> | | | |
| A | * | 477. | s.c. 2004, Germany, Essen, HB |
| <i>Papaver orientale</i> L. cv. <i>Pizzicato</i> | | | |
| A | | 478. | s.c. 2000, Rossia, Joshkar-Ola, HBU |
| <i>Papaver orientale</i> L. cv. <i>Scharlachkonig</i> | | | |
| A | | 479. | s.c. 2004, Iceland, Akureyri, HB |
| PLANTAGINACEAE Juss. | | | |
| <i>Digitalis grandiflora</i> Mill. | | | |
| A | | 480. | s.c.1988, Rossia, Ekaterinburg, HBU |
| <i>Plantago atrata</i> Hoppe | | | |
| | | 481. | s.n. 1999, Austria, Salzburg, HBU |

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| <i>Plantago media</i> L. | | |
| | 482. | s.c.2016, Germany, Kiel, HB |
| <i>Veronica aphylla</i> L. | | |
| | 483. | s.c. 2009, Austria, Innsbruck, HBU |
| <i>Veronica bachofenii</i> Heuff. | | |
| A | 484. | s.c. 2019, Polonia, Lublin, HBU |
| <i>Veronica gentianoides</i> Vahl. | | |
| | 485. | p.c. 2007 ab p.n. 1955, Caucasus, Tschinvali |
| | 486. | p.c. 2007 ab p.n. 1955, Caucasus, Tschinvali |
| <i>Veronica longifolia</i> L. | | |
| | 487. | p.c. 2006 ab s.n. 1947, Rossia, Igarka |
| | 488. | p.c. 2006 ab s.n. 1947, Rossia, Igarka |
| | 489. | p.c. 2006 ab s.c. R.1 1958, Rossia, Igarka |
| | 490. | p.c. 2021 ab s.c. R.1 1972 ab s.n. 1958, Rossia, Igarka |
| | 491. | p.c. 2021 ab s.c. 1972, Finland, Turku, HBU |
| <i>Veronica porphyriana</i> Pavlov | | |
| A | 492. | s.c. 2023, Germany, Leipzig, HBU |
| | 493. | s.c. 2023, Germany, Leipzig, HBU |
| <i>Wulfenia carinthiaca</i> Jacq. | | |
| | 494. | p.c. 1998 ab R.1 1953 abs.c. 1947, Norway, Bergen, HBU |
| | 495. | p.c. 1998 ab R.1 1953 ab s.c. 1947, Norway, Bergen, HBU |
| | 496. | p.c. 1998 ab R.2 1963 ab s.c. 1947, Norway, Bergen, HBU |
| PLUMBAGINACEAE Juss. | | |
| <i>Armeria alpina</i> (DC.) Willd. | | |
| | 497. | p.c. 2017 ab s.c. 1958, France, Grenoble HB Alp. |
| POACEAE Barnhart | | |
| <i>Bromus pumpellianus</i> Scribn. | | |
| | 498. | R1 2023 ab p.n.2022, Rossia, Gydan Peninsula |
| POLYGONACEAE Juss. | | |
| <i>Persicaria alpina</i> (All.) H. Gross | | |
| | 499. | p.c. 1999 ab s.n. 1939, France, Grenoble, HB Alp. |
| A | 500. | p.c. 2015 ab s.n. 1939, France, Grenoble, HB Alp. |
| | 501. | p.c. 2010 ab R.2 1954 ab s.n. 1939, France, Grenoble, HB Alp. |
| | 502. | p.c. 2015 ab R.2 1954 ab s.n. 1939, France, Grenoble, HB Alp. |
| | 503. | p.c. 2000 ab s.c. 1984, Rossia, Sankt-Petersburg, HBIB |
| <i>Persicaria bistorta</i> (L.) Samp. | | |
| | 504. | p.c. 1989 ab p.n. 1953, Rossia, Naltchik, HBU |
| | 505. | p.c. 2010 ab p.n. 1953, Rossia, Naltchik, HBU |
| | 506. | p.c. 1987 ab p.n. 1969, Rossia, Altai |
| | 507. | p.c. 2021ab p.n. 1969, Rossia, Altai |
| | 508. | p.c. 2002 ab p.n. 1979, Ukraina, Carpates |
| <i>Persicaria weyrichii</i> (F. Schmidt) H. Gross | | |
| | 509. | p.c. 2010 ab s.n. 1945, Rossia, Voroneg, HBU |
| <i>Polygonum ajanense</i> (Regel & Tiling) Grig. | | |
| | 510. | s.c. 1984, Rossia, Sankt-Petersburg, HBIB |
| <i>Polygonum panjutinii</i> Kharkev. | | |
| | 511. | s.c. 1985, Rossia, Sankt-Petersburg, HBIB |
| <i>Polygonum tripterocarpum</i> A. Grey ex Rothr. | | |
| | * 512. | p.c. 1984 ab s.n. 1959, Rossia, Jakutsk 3 |
| <i>Rheum alexandrae</i> Batalin | | |
| | * 513. | p.c. 1999 ab s.c. 1958, Finland, Helsinki, HBU |
| <i>Rheum compactum</i> L. | | |
| | 514. | p.c. 2020 ab s.n. 1978, Rossia, Novosibirsk, HB |
| <i>Rheum crispus</i> hort. | | |
| | * 515. | p.c. 2010 abs.n. 1939, Ukraina, Zhitomir, HB |
| <i>Rheum macrocarpum</i> Losinsk. | | |
| | 516. | p.c. 1999 ab s.c. 1957, Rossia, Sankt-Petersburg, HBIB |

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| <i>Rheum palmatum</i> L. f. <i>flora rubra</i> | | |
| | 517. | s.c. 1987, Rossia, Sankt-Petersburg, HBIB |
| <i>Rheum spiciforme</i> Royle | | |
| | 518. | s.n. 2002, France, Nancy, HBU |
| A | 519. | s.n. 2002, France, Nancy, HBU |
| | 520. | s.c. 2003, Italia, Bormio, H Alp |
| <i>Rheum tetragonopus</i> L. | | |
| | 521. | p.c. 1983 ab s.c. 1949, Rossia, Mosqua, NPO |
| <i>Rheum webbianum</i> Royle | | |
| | 522. | p.c. 2000 ab s.c. 1947, Rossia, Mosqua, AAT |
| PRIMULACEAE Vent. | | |
| <i>Lysimachia vulgaris</i> L. | | |
| A | 523. | p.c. 2016, Rossia, Sankt-Petersburg, HBIB |
| <i>Primula amoena</i> M. Bieb. | | |
| | 524. | R 2006 ab s.c. 1964, Rossia, Mosqua, HBP |
| | 525. | R 2006 ab s.c. 1964, Rossia, Mosqua, HBP |
| | 526. | R 2015 ab s.c. 1964, Rossia, Mosqua, HBP |
| | 527. | p.c. 2018 ab s.c. 1955, Rossia, Sankt-Petersburg, HBIB |
| | 528. | p.c. 2021 ab s.c. 1955, Rossia, Sankt-Petersburg, HBIB |
| | 529. | p.c. 2021 ab s.c. 1955, Rossia, Sankt-Petersburg, HBIB |
| <i>Primula carpathica</i> (Griseb. Et Schenk) Fuss | | |
| | 530. | p.c. 2015 ab s.n. 1969, Slovakia, Bratislava, HBU |
| | 531. | s.c. 1992, Germany, Oberhof, HB |
| <i>Primula clusiana</i> Tausch | | |
| | 532. | p.c. 2018 ab s.n. 1985, Austria, Wien, HBU |
| <i>Primula elatior</i> (L.) Hill | | |
| | 533. | p.c. 2010 ab p.n. 1956, Ukraina, Carpates |
| | 534. | p.c. 2018 ab R.2 1975 ab p.n. 1956, Ukraina, Carpates |
| | 535. | p.c. 2015 ab s.n. 1985, Austria, Wien, HBU |
| <i>Primula elatior</i> (L.) Hill ssp. <i>Intricata</i> (Greene. et Gerd.) Lüdi | | |
| | 536. | p.c. 2015 ab s.n. 1985, Germany, Halle, HBU |
| * | 537. | p.c. 2015 ab s.n. 1985, Germany, Halle, HBU |
| <i>Primula elatior</i> (L.) Hill ssp. <i>pallasii</i> W.W.Sm. & Forrest | | |
| | 538. | p.c. 2012 abs.n. 1965, Kazakhstan, Leninogorsk, HB |
| | 539. | p.c. 2012 abs.n. 1965, Kazakhstan, Leninogorsk, HB |
| | 540. | p.c. 2020 ab s.n. 1965, Georgia, Bakuriani |
| <i>Primula elatior</i> (L.) Hill subsp. <i>tatrensis</i> (Domin). Soò | | |
| | 541. | p.c. 2004 ab s.n. 1995, Slovakia, Bratislava, HBU |
| | 542. | p.c. 2004 ab s.n. 1995, Slovakia, Bratislava, HBU |
| | 543. | R.1 2018 ab s.n. 1939, Polonia, Cracovia, HBU |
| <i>Primula elatior</i> (L.) Hill var. <i>rubra</i> | | |
| | 544. | p.c. 2016 ab p.c. 1990 ab s.c. 1962, Austria, Frohnleiten, H Alp |
| <i>Primula jeffreyi</i> (Van Houtte) A.R.Mast& Reveal | | |
| | 545. | p.c. 2016 ab R.1 1950 ab s.c. 1941, Finland, Helsinki, HBU |
| <i>Primula kitaibeliana</i> Schöft | | |
| | 546. | p.c. 2019 ab s.c. 1964, Germany, Halle, HBU |
| <i>Primula meadia</i> (L.) A.R.Mast& Reveal | | |
| | 547. | p.c. 2015 ab s.c. 1982, England, Wisley |
| <i>Primula nutans</i> Georgi | | |
| | 548. | p.c. 2021 ab s.n. 1980, Norway, Tromsø, HBU |
| <i>Primula pauciflora</i> (Greene) A.R.Mast& Reveal | | |
| | 549. | p.c. 2015 ab s.c. 1982, Norway, Bergen, HBU |
| | 550. | p.c. 2018 ab s.c. 1982, Germany, Bochum, HBU |
| <i>Primula poetica</i> (L.F.Hend.) A.R.Mast& Reveal | | |
| | 551. | s.c. 1990, Czehia, Praha, HB |
| <i>Primula saguramica</i> Gavr. | | |
| | 552. | p.c. 2020 ab R.1 1984 ab p.n. 1966, Rossia, Naltchik, HBU |
| | 553. | p.c. 2021 ab R.2 1989 ab p.n. 1966, Rossia, Naltchik, HBU |
| <i>Primula tetrandra</i> (Suksd.) A.R.Mast& Reveal | | |
| | 554. | p.c. 2014 abs.c. 1984, Germany, Quedlinburg |
| <i>Soldanella hungarica</i> Simonk. | | |
| | 555. | p.c. 2020 ab R.1 1984 ab p.n. 1979, Ukraina, Carpates |

| RANUNCULACEAE Juss. | | | |
|---|---|------|---|
| <i>Aconitum baicalense</i> Turcz. ex Rapaics | | | |
| | * | 556. | p.c. 1994 ab p.n. 1964, Altai |
| <i>Aconitum barbatum</i> Pers. | | | |
| | | 557. | p.c. 2021 ab p.n. 1970, Altai |
| <i>Aconitum</i> × <i>cammarum</i> L. | | | |
| | | 558. | R.1 1988 abs.n. 1976, Sarajevo, HB |
| | | 559. | p.c. 2007 ab p.n. 1974, Ukraina, Carpates |
| <i>Aconitum chasmanthum</i> Stapf | | | |
| | | 560. | p.c. 2021 ab s.c. 1973, Germany, München, HB |
| <i>Aconitum firmum</i> Rchb. | | | |
| A | | 561. | s.c. 1984, Suisse, Chambésy/Genève, HB |
| | | 562. | p.c. 1989 abs.n. 1970, Romania, Cluj, HBU |
| <i>Aconitum lamareckii</i> Reichenb. | | | |
| A | | 563. | p.c. 2005 ab R.1 1987 abs.n. 1971, Germany, Frankfurt am Main, HBU |
| | | 564. | p.c. 2018 ab R.1 1987 ab s.n. 1972, Germany, Frankfurt am Main, HBU |
| <i>Aconitum leucostomum</i> Worosch. | | | |
| | | 565. | R.1 1988 ab s.n. 1969, Rossia, Altai |
| <i>Aconitum moldavicum</i> Hacq. | | | |
| | | 566. | p.n. 1979, Ukraina, Carpates |
| | | 567. | p.n. 1979, Ukraina, Carpates |
| <i>Aconitum napellus</i> L. | | | |
| | | 568. | p.n. 1979, Ukraina, Carpates |
| <i>Aconitum napellus</i> L. var. <i>album</i> hort. | | | |
| | | 569. | p.c. 2018 ab 1972, Lithuania, Kaunas, HBU |
| <i>Aconitum nasutum</i> Fisch. ex Rchb. | | | |
| A | | 570. | s.c. 1977, Rossia, Sankt-Petersburg, HBIB |
| <i>Aconitum septentrionale</i> Koelle | | | |
| | | 571. | p.c. 2002 ab p.n. 1932, Rossia, Sajany |
| | | 572. | p.c. 2021 ab s.c. 1975, Rossia, Mosqua, NPO «VILAR» |
| <i>Aconitum vulparia</i> Rchb. | | | |
| | | 573. | p.c. 1978 ab s.n. 1971, Suisse, Meyrin, H Alp. |
| <i>Anemone fasciculata</i> (L.) Holub | | | |
| | | 574. | R.2 1975 ab s.c. 1960, Georgia, Bakuriani |
| | | 575. | p.c. 2020 ab p.n. 1955, Georgia, Bakuriani |
| <i>Aquilegia atrata</i> Koch | | | |
| | * | 576. | p.c. 2002 ab s.n. 1982, Germany, Hamburg, HBU |
| <i>Aquilegia atrovinosa</i> M. Pop. ex Gamajun | | | |
| | | 577. | s.c. 2015, Rossia, Blagoveschensk, HBI |
| <i>Aquilegia aurea</i> Janka | | | |
| A | | 578. | s.c. 2001, Norway, Oslo, HBU |
| <i>Aquilegia barnebyi</i> Munz. | | | |
| | | 579. | s.c. 2013, Czechia, Plzen, HB |
| <i>Aquilegia bertolonii</i> Schott | | | |
| | | 580. | s.c. 2018, Czechia, Teplice, HB |
| <i>Aquilegia borodinii</i> Schischk. | | | |
| A | | 581. | s.n. 1997, Rossia, Krasnojarsk, HBU |
| <i>Aquilegia brevistyla</i> Hook. | | | |
| | * | 582. | p.c. 2013 ab s.n. 1981, Canada, Vancouver, HBU |
| <i>Aquilegia chrysantha</i> A. Gray | | | |
| | | 583. | s.c. 2017, Germany, Leipzig, HBU |
| <i>Aquilegia colchica</i> Kem.-Nath. | | | |
| | | 584. | p.c. 2004 ab s.c. 1981, Estonia, Tartu, HBU |
| <i>Aquilegia formosa</i> Fisch. Ex DC. | | | |
| | | 585. | p.c. 2009 s.c. 1989, Canada, Vancouver, HBU |
| <i>Aquilegia glandulosa</i> Fisch. ex Link | | | |
| | | 586. | p.c. 2016 ab R.1 1952 ab s.c. 1948, Rossia, Mosqua |
| | | 587. | p.c. 2018 ab R.1 1952 ab s.c. 1948, Rossia, Altai, 4 |
| <i>Aquilegia olympica</i> Boiss | | | |
| A | | 588. | s.c. 2008, Germany, Berlin-Dahlen, HB |
| | | 589. | s.c. 2008, Germany, Berlin-Dahlen, HB |
| <i>Aquilegia pyrenaica</i> DC. | | | |
| | | 590. | p.c. 2004 abs.c. 1989, Iceland, Akureyri, HB |

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| <i>Aquilegia rockii</i> Munz | | |
| A | 591. | s.c. 2018, Slovakia, Bratislava, HBU |
| <i>Aquilegia thalictrifolia</i> Schott & Kotschy | | |
| | 592. | s.c. 2020, Russia, Ufa, HB |
| <i>Aquilegia sibirica</i> Lam. | | |
| | 593. | p.c. 1994 ab s.n. 1989, Russia, Irkutsk, HBU |
| | 594. | p.c. 2018 ab R.2 1941 ab p.n. 1934, Altai |
| <i>Caltha palustris</i> L. | | |
| | 595. | p.c. 2004 ab p.n. 1979, Ukraina, Carpates |
| | 596. | p.c. 2018 ab p.n. 1979, Ukraina, Carpates |
| <i>Delphinium austriacum</i> (Pawl.)Starm | | |
| | 597. | s.c. 2014, Germany, Kiel, HB |
| <i>Delphinium cultorum</i> Voss. | | |
| | 598. | s.c. 2014, Russia, Archangelsk, Arb |
| <i>Delphinium elatum</i> L. | | |
| | 599. | p.c. 1998, Russia, Murmansk region |
| | 600. | p.c. 2002 ab s.n. 1958, Czechia, Peč |
| <i>Delphinium pyramidatum</i> Albov | | |
| | 601. | p.c. 1998 ab R.2 1989 ab p.n. 1958, Georgia, Bakuriani |
| | 602. | p.c. 2022 ab R.2 1989 ab p.n. 1958, Georgia, Bakuriani |
| <i>Delphinium trollifolium</i> A. Gray | | |
| | 603. | s.c. 2014, Russia, Tomsk, HBU |
| <i>Helleborus purpurascens</i> Waldst. et Kit. | | |
| | 604. | p.c. 1995 ab p.n. 1956, Ukraina, Carpates |
| | 605. | p.c. 1995 ab p.n. 1956, Ukraina, Carpates |
| | 606. | p.c. 2002 ab p.n. 1956, Ukraina, Carpates |
| <i>Pulsatilla alpina</i> (L.) Delarbre | | |
| | 607. | p.c. 2018 ab R.2 1988 ab s.c. 1957, Czechia, Liberec, HB |
| <i>Pulsatilla alpina</i> (L.) Delarbre subsp. <i>apiifolia</i> (Scop.) Nyman | | |
| | 608. | s.n. 1980, Suisse, Chambesy/Geneve, HB |
| | 609. | p.c. 2021 ab s.n. 1980, Suisse, Chambesy/Geneve, HB |
| <i>Ranunculus caucasicus</i> M. Bieb. | | |
| | 610. | p.c. 1998 ab p.n. 1973, Dagestan |
| | 611. | p.c. 2021 ab R.3 1956 ab p.n. 1939, Georgia, Bakuriani |
| <i>Ranunculus oreophilus</i> Sieb. | | |
| * | 612. | p.c. 1993 ab R.1 1953 ab p.n. 1939, Georgia, Bakuriani |
| <i>Thalictrum aquilegifolium</i> L. | | |
| | 613. | p.c. 2008 ab s.c. 1957, Polonia, Warszawa, HBU |
| <i>Thalictrum aquilegifolium</i> L. subsp. <i>sibiricum</i> Regel & Tiling | | |
| * | 614. | p.c. 2021 ab s.n. 1987, China, Peking, HBU |
| <i>Thalictrum delavayii</i> Franch. | | |
| | 615. | s.c. 1999, Belorossia, Minsk, HB |
| <i>Thalictrum minus</i> L. | | |
| | 616. | p.c. 2012 ab s.n. 1972, Russia, Narjan-Mar, flora localis |
| <i>Thalictrum minus</i> L. subsp. <i>kemense</i> (Fr.) Cajander | | |
| | 617. | p.c. 2019 ab s.n. 1987, Russia, Kamtschatka |
| <i>Thalictrum minus</i> L. subsp. <i>olympicum</i> (Boiss. & Heldr.) Strid | | |
| A | 618. | s.c. 1998, Austria, Innsbruck, HBU |
| <i>Thalictrum uncinatum</i> Rehm. | | |
| | 619. | p.c. 2012 ab p.n. 1974, Ukraine, Carpates |
| <i>Trollius altaicus</i> C.A. Mey. | | |
| | 620. | p.c. 2005 ab s.n. R.2 1951, ab p.n. 1934 Russia, Altai 4 |
| | 621. | p.c. 2018 ab p.c. 2005 ab s.n. R.2 1951, ab p.n. 1934 Russia, Altai 4 |
| | 622. | p.c. 2007 ab s.n. 1984, Kirghizia |
| <i>Trollius asiaticus</i> L. | | |
| | 623. | p.c. 2009 ab R.2 1951 ab p.n. 1934, Russia, Altai 4 |
| | 624. | p.c. 2010 ab R.2 1951 ab p.n. 1934, Russia, Altai 4 |
| | 625. | p.c. 2018 ab R.2 1951 ab p.n. 1934, Russia, Altai 4 |
| <i>Trollius chinensis</i> Bunge | | |
| * | 626. | s.c. 1998, Germany, Halle, HBU |
| <i>Trollius europaeus</i> L. | | |
| | 627. | p.c. 2012 ab p.n. 1974 Russia, regioArchangelensis |
| | 628. | p.c. 2018 ab p.c. 2012 ab p.n. 1974 Russia, regioArchangelensis |

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| <i>Trollius miyabei</i> Sipl. | | |
| | 629. | p.c. 1990 ab p.n. 1967, Rossia, Sachalin |
| | 630. | p.c. 2021 ab R.1 1984 ab p.n. 1967, Rossia, Sachalin |
| <i>Trollius ranunculinus</i> Stearn | | |
| | 631. | p.c. 1998 ab p.n. 1973, Caucasus |
| | 632. | p.c. 2004 ab s.n. 1950, Rossia, Naltchik, HBU |
| | 633. | p.c. 2021 ab s.c. 1982, Suisse, Chambesy/Geneve, HB |
| <i>Trollius vaginatus</i> Hand.-Mazz. | | |
| A | 634. | s.c. 2017, Estonia, Tartu, HBU |
| ROSACEAE Juss. | | |
| <i>Aruncus dioicus</i> (Walt.) Fern. | | |
| | 635. | s.c. 1971, Rossia, Kantschatka |
| | 636. | s.n. 1986, Rossia, Sachalin |
| | 637. | p.c. 1998 ab s.c. 1940, Rossia, Sankt-Petersburg, HBIB |
| | 638. | p.c. 1998 ab s.c. 1952, Rossia, Mosqua, HBP |
| | 639. | p.c. 2008 ab s.n. 1957, France, Grenoble, HB Alp. |
| | 640. | p.c. 2018 ab s.n. 1938, Rossia, Oriensextremus |
| <i>Geum borisii</i> Kellerer ex Suenderm. | | |
| | 641. | p.c. 2007 abs.c. 1956, Czehia, Praha, HB |
| <i>Geum bulgaricum</i> Pančić | | |
| | * 642. | p.c. ab s.c. 1980, Germany, Podsdam, HB |
| <i>Geum coccineum</i> Sibth. Et Smith | | |
| | 643. | p.c. 2003 ab s.c. 1994, Germany, Marburg, HBU |
| | 644. | p.c. 2004 ab s.c. 1954, Rossia, Nizhni Novgorod, HBU |
| | 645. | p.c. 2009 ab s.n. 1993, Germany, Berlin-Dalem, HB |
| | 646. | p.c. 2020 ab R.1 1951 ab s.c. 1944, Germany, Berlin-Dalem, HB |
| | 647. | p.c. 2007 abR.2 1954 abs.c. 1940, Lithuania, Kaunas, HBU |
| | 648. | p.c. 2015 abR.1 1951 abs.c. 1940, Lithuania, Kaunas, HBU |
| | 649. | p.c. 2019 ab s.c. 1993, Germany, Dresden, HB |
| <i>Geum magellanicum</i> Comm. ex Pers. | | |
| | * 650. | s.c. 2022, Germany, Leipzig, HBU |
| <i>Geum montanum</i> L. | | |
| | 651. | p.c. 1994 ab p.n. 1979, Ukraina, Carpates |
| | 652. | p.c. 2004 ab R.2 1958 ab s.n. 1947, France, Samoëns, HB |
| | 653. | p.c. 2004 ab R.1 1959 ab s.n. 1947, France, Samoëns, HB |
| | 654. | p.c. 2016 ab R.1 1952 ab s.n. 1947, France, Samoëns, HB |
| <i>Geum pyrenaicum</i> Mill. | | |
| | * 655. | p.c. 2012 ab s.n. 1994, Germany, Berlin, HB |
| <i>Geum quellyon</i> Sweet cv. Georgenberg | | |
| | 656. | s.n. 2005, Iceland, Iceland, Akureyri, HB |
| <i>Geum rhodopeum</i> Stoj. et Stef. | | |
| | * 657. | p.c. 2015 ab s.c. 1957, Czehia, Liberec, HB |
| <i>Geum rivale</i> L. | | |
| A | 658. | s.n. 2008, Austria, Salzburg, HBU |
| <i>Geum rubellum</i> Fisch. et C.A. Mey. | | |
| | 659. | p.c. 2015 ab s.c. 1938, Belorossia, Minsk, HBU |
| <i>Geum virginianum</i> L. | | |
| | 660. | p.c. 1998 abs.c. 1956, Czehia, Praha, HB |
| <i>Potentilla alba</i> L. | | |
| A | 661. | s.c. 2004, Rossia, Ufa, HB |
| <i>Potentilla argentea</i> L. | | |
| | 662. | s.c. 2009, Germany, Bremen, HB |
| <i>Potentilla argyrophylla</i> Wall. ex Lehm. | | |
| | 663. | p.c. 2019 ab s.c. 1956, Austria, Wien, HBU |
| <i>Potentilla asiatica</i> (Th. Wolf) Juz. | | |
| | 664. | p.c. 2018 ab s.n. 1985, Kirghizia |
| <i>Potentilla atrosanguinea</i> Loddiges ex D. Don | | |
| | 665. | p.c. 2019 ab s.c. 1957, Sweden, Lund, HB |
| <i>Potentilla atrosanguinea</i> Loddiges ex D. Don var. <i>cataclines</i> Th. Wolf. | | |
| | * 666. | p.c. 2004 ab s.c. 1947, Sweden, Lund, HB |
| <i>Potentilla aurea</i> L. | | |
| | 667. | p.c. 2004 ab s.n. 1957, Ukraina, Carpates 1 |

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| | | 668. | p.c. 2015 ab R.1 1981 ab s.n. 1957, Ukraina, Carpates 1 |
| | | 669. | p.c. 2020 ab R.1 1978 ab s.n. 1957, Ukraina, Carpates,1 |
| <i>Potentilla aurea</i> L.ssp. <i>chrysocraspeda</i> (Lehm.) Nyman | | | |
| | | 670. | p.c. 2012 ab s.c. 1986, Germany, Marburg, HBU |
| <i>Potentilla chrysantha</i> Trev. | | | |
| | | 671. | p.c. 2002 ab p.n. 1964, Rossia, Altai |
| <i>Potentilla dombeyi</i> Nestl. | | | |
| A | | 672. | s.c. 2015, Germany, Kiel, HB |
| <i>Potentilla fragiformis</i> Willd. ex Schltld. | | | |
| A | | 673. | s.c. 2017, Rossia, Syktyvkar, HBIB |
| <i>Potentilla heptaphylla</i> L. | | | |
| A | | 674. | p.c. 2008 ab s.n. 1970, Suisse, Chambesy\Geneve, HB |
| <i>Potentilla hippiana</i> Lehm. | | | |
| A | | 675. | s.c. 2015, Germany, Kiel, HB |
| <i>Potentilla kurdica</i> Boiss. et Hohen | | | |
| A | | 676. | s.c. 2019, Germany, Leipzig, HBU |
| <i>Potentilla leucopolitana</i> P.J. Mull. | | | |
| A | | 677. | s.c. 2011, Romania, Cluj, HBU |
| <i>Potentilla montenegrina</i> Pant. | | | |
| | * | 678. | p.c. 2007 ab s.c. 1940, Czechia, Tabor, HB |
| <i>Potentilla pamiroalaica</i> Juz. | | | |
| | | 679. | s.c. 2023, Rossia, Kursk |
| <i>Potentilla pulvinaris</i> Fenzl | | | |
| | | 680. | s.c. 2023, Rossia, Kursk |
| <i>Potentilla purpurea</i> (Royle) Hook. fil. | | | |
| | | 681. | p.c. 1993 ab R.1 1949 ab s.c. 1940, Rossia, Mosqua, HBP |
| <i>Potentilla rupestris</i> L. | | | |
| A | | 682. | s.c. 2009, Romania, Cluj, HBU |
| <i>Potentilla thuringica</i> Bernh. ex Link | | | |
| | | 683. | s.c. 2019, Polonia, Lublin, HBU |
| <i>Sanguisorba alpina</i> Bunge | | | |
| | | 684. | p.c. 2000 abs.c. 1939, Tadschikistan |
| <i>Sanguisorba dodecandra</i> Morettii | | | |
| | | 685. | s.c. 1991, Suisse, Neuchatel, HBU |
| <i>Sanguisorba officinalis</i> L. | | | |
| | | 686. | p.c. 1998 ab p.n. 1934, Rossia, Altai |
| | | 687. | p.c. 2018 ab p.n. 1934, Rossia, Altai |
| <i>Sanguisorba parviflora</i> (Maxim.) Takeda | | | |
| | | 688. | s.n. 1996, China trans Finland, Helsinki, HBU |
| <i>Sanguisorba stipulate</i> Rafin | | | |
| | | 689. | s.n. 1996, China trans Finland, Helsinki, HBU |
| <i>Sanguisorba tenuifolia</i> Fisch. ex Link | | | |
| | | 690. | p.c. 2015 ab R.1 1973 ab s.c. 1939, Rossia, Mosqua, NPO |
| SAXIFRAGACEAE Juss. | | | |
| <i>Bergenia ciliata</i> Lindle. | | | |
| | | 691. | p.c. 2021 ab s.c. 1988, Rossia, Sankt-Petersburg, HBIB |
| <i>Bergenia crassifolia</i> (L.) Fritsch | | | |
| | | 692. | R.... ab R.1 1939, ab p.n. 1936, Rossia, Sajany |
| | | 693. | R. 3 1985 ab p.n. 1936, Rossia, Sajany 3 |
| | | 694. | p.c. 1996 ab p.c. 1987, Rossia, Sajany |
| A | | 695. | s.c. 2008, Hungary, Vacratot, HB |
| <i>Bergenia crassifolia</i> (L.) Fritsch var. <i>pacifica</i> (Kom.)Kom.ex Nokr. | | | |
| | | 696. | p.n. 1979, Rossia, Oriens extremus |
| <i>Bergenia pacumbis</i> (Buch.-Ham. Ex D. Don) C.Y. Wu & J.T. Pan. | | | |
| A | | 697. | s.c. 2004, Iceland, Akureyri, HB |
| | | 698. | s.c. 2004, Iceland, Akureyri, HB |
| <i>Bergenia ornata</i> Stein | | | |
| | | 699. | p.c. 1998 ab s.c. 1956, Germany, Rostok, HBU |
| <i>Boykinia aconitifolia</i> Nutt. | | | |
| A | | 700. | s.c. 2007, France, Nancy, HBU |
| | | 701. | s.c. 2007, France, Nancy, HBU |
| <i>Heuchera chlorantha</i> Piper | | | |
| A | | 702. | s.c. 2008, Germany, Marburg, HBU |
| | | 703. | s.c. 2017, Germany, Stuttgart, HBU |

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| <i>Heuchera himalayensis</i> Deche. ex Jacques | | | |
| A | | 704. | s.c. 2013, Germany, Freiburg, HBU |
| <i>Heuchera pulchella</i> Wooton & Standl. | | | |
| | | 705. | s.c. 2017, Lithuania, Siauliai, HBU |
| <i>Saxifraga rotundifolia</i> L. | | | |
| | * | 706. | p.c. 2004 ab s.c. 1946, Russia, Sankt-Petersburg, HBIB |
| <i>Saxifraga spathularis</i> Brot. | | | |
| | | 707. | s.n. 2000, Portugal, Porto, HB |
| SCROPHULARIACEAE Juss. | | | |
| <i>Scrophularia altaica</i> Murr. | | | |
| | | 708 | s.c. 1994, Hungary, Vácrátót, HB |
| <i>Scrophularia nodosa</i> L. | | | |
| | | 709. | s.c. 2017, Austria, Salzburg, HBU |
| | | 710. | s.c. 2017, Austria, Salzburg, HBU |
| SOLANACEAE Juss. | | | |
| <i>Scopolia carniolica</i> Jacq. | | | |
| | | 711. | p.n. 1988, Ukraina, Carpates |
| | | 712. | p.n. 1988, Ukraina, Carpates |

РАЗДЕЛ II
СЕМЕНА ДИКораСТУЩИХ РАСТЕНИЙ МУРМАНСКОЙ
ОБЛАСТИ

Legerunt Kirillova N.P.
Сбор Кириллова Н.Р.

Signa locorum ubi semina lecta sunt
Обозначения мест сбора

- Apat. – In vicinitate urbis Apatity inter lacum Imandra et montes Chibiny
Окрестности г. Апатиты между оз. Имандра и Хибинскими горами.
- Plant. – Semina plantarum regionis Murmanensis in Horto nostro
Reproductatum.
Семена растений Мурманской области, выращенных на питомниках в Саду.
- Sosn. – In vicinitate Sosnovka, Lovosero regio
Окрестности. Сосновка

Местообитания
Внезональные типы местообитаний

5. Paludae
Болота
55 – Paludes udae fruticoso-sphagnosae et pulvanuli paludum
compositarum
Кустарничково-сфагновые болота, гряды и кочки
комплексных болот
6. Prata
Луга
61 – Prata mixtoherbosa et graminoso-mixtoherbosa
Луга разнотравные и злаково-разнотравные
69 – Prata litorea
Маршевые луга

| | | |
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| <i>Achillea apiculata</i> N.I. Orlova | | |
| | 713. | Apat. |
| <i>Aconitum septentrionale</i> Koelle | | |
| | 714. | Plant. |
| <i>Antennaria dioica</i> (L.) Gaertn. | | |
| | 715. | Apat. |
| <i>Arabis alpina</i> L. | | |
| * | 716. | Apat. |
| <i>Astragalus frigidus</i> (L.) A. Gray | | |
| | 717. | Plant. |
| <i>Cirsium heterophyllum</i> (L.) Hill | | |
| * | 718. | Plant. |
| <i>Comarum palustre</i> L. | | |
| | 719. | Sosn. 55 |
| <i>Dianthus superbus</i> L. | | |
| | 720. | Apat. |
| <i>Epilobium lactiflorum</i> Hausskn. | | |
| | 721. | Plant. |
| <i>Eurybia sibirica</i> (L.) G.L. Nesom | | |
| | 722. | Plant. |
| <i>Geranium sylvaticum</i> L. | | |
| | 723. | Plant. |
| <i>Geum rivale</i> L. | | |
| * | 724. | Plant. |

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| <i>Hedysarum alpinum</i> L. | | |
| | 725. | Plant. |
| | 726. | Apat. |
| <i>Hedysarum arcticum</i> B. Fedtsch. | | |
| | 727. | Sosn. 61 |
| <i>Pilosella peleteriana</i> subsp. <i>subpeleteriana</i> (Naegeli & Peter) P.D.Sell (<i>Hieracium laticeps</i> (Norrl.) Norrl.) | | |
| | 728. | Apat. |
| <i>Hypericum maculatum</i> Crantz | | |
| | 729. | Apat. |
| <i>Lathyrus vernus</i> (L.) Bernh. | | |
| | 730. | Apat. |
| | 731. | Plant. |
| <i>Ligularia sibirica</i> (L.) Cass. | | |
| | 732. | Plant. |
| * | 733. | Sosn. 69 |
| <i>Melandrium lapponicum</i> (Simmons) Kuzen. | | |
| | 734. | Plant. |
| | 735. | Apat. |
| <i>Omalotheca norvegica</i> (Gunnerus) Sch.Bip. & F.W.Schultz | | |
| | 736. | Plant. |
| <i>Paeonia anomala</i> L. | | |
| | 737. | Plant. |
| <i>Phleum pratense</i> L. | | |
| | 738. | Plant. |
| <i>Plantago maritima</i> L. | | |
| * | 739. | Sosn. 69 |
| <i>Polemonium caeruleum</i> L. | | |
| | 740. | Plant. |
| <i>Prunella vulgaris</i> L. | | |
| | 741. | Apat. |
| <i>Rhodiola rosea</i> L. | | |
| | 742. | Plant. |
| <i>Silene suecica</i> (Lodd.) Greuter & Burdet (<i>Steris alpina</i> (L.) Šourková) | | |
| | 743. | Plant. |
| <i>Solidago virgaurea</i> L. subsp. <i>lapponica</i> (With.) Tzvelev | | |
| * | 744. | Apat. |
| <i>Sonchus humilis</i> N.I. Orlova | | |
| * | 745. | Sosn. 69 |
| <i>Tanacetum vulgare</i> L. | | |
| | 746. | Apat. |
| <i>Tephrosia integrifolia</i> (L.) Holub | | |
| * | 747. | Sosn. 69 |
| <i>Tripleurospermum maritimum</i> (L.) W.D.J. Koch | | |
| | 748. | Plant. |
| <i>Valeriana sambucifolia</i> J.C. Mikan ex Pohl | | |
| | 749. | Apat. |
| | 750. | Plant. |
| <i>Veronica longifolia</i> L. | | |
| * | 751. | Plant. |
| <i>Vicia sepium</i> L. | | |
| | 752. | Plant. |

ДИРЕКТОР ПОЛЯРНО - АЛЬПИЙСКОГО
БОТАНИЧЕСКОГО САДА-ИНСТИТУТА
ИМ. Н.А. АВРОРИНА КНЦ РАН

К.б.н.

Евгений Боровичев

ACTING DIRECTOR OF
POLAR – ALPINE BOTANICAL
GARDEN – INSTITUTE of KSC RAS

PhD (Biologiy) Evgeniy Borovichev

Полярно-альпийский ботанический сад-институт им. Н.А.Аврорина -
обособленное подразделение Федерального государственного
бюджетного учреждения науки Федерального исследовательского
центра «Кольский научный центр Российской Академии наук

184209, г. АПАТИТЫ
Академгородок, д.18-А
Мурманской области
e-mail: pabgi@ksc.ru

Polar Alpine Botanical Garden-Institute - Subdivision of the Federal Research
Centre, Kola Science Centre of Russian Academy of Sciences, Apatity,
Russia

184209 АПАТИТЫ
Academgorodok, 18-A
Murmansk region
e-mail: pabgi@ksc.ru

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|---|-----|-----|-----|-----|-----|---|-----|-----|-----|-----|-----|
| ПОЛЯРНО-АЛЬПИЙСКИЙ БОТАНИЧЕСКИЙ САД ИМ. Н.А.АВРОРИНА КОЛЬСКОГО НАУЧНОГО ЦЕНТРА РОССИЙСКОЙ АКАДЕМИИ НАУК 184209, г. АПАТИТЫ Академгородок, д.18-А Мурманской области E-mail:tnn_aprec@mail. | | | | | | N.A.AVRORIN POLAR ALPINE BOTANICAL GARDEN ET INSTITUTE KOLA SCIENCE CENTRE RUSSIAN ACADEMY OF SCI 184209 APATITY Academgorodok, 18-A Murmansk region E-mail: tnn_aprec@mail.ru | | | | | |
| DESIDERATA № 75 | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 |
| 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 |
| 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
| 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 |
| 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 |
| 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 |
| 97 | 98 | 99 | 100 | 101 | 102 | 103 | 104 | 105 | 106 | 107 | 108 |
| 109 | 110 | 111 | 112 | 113 | 114 | 115 | 116 | 117 | 118 | 119 | 120 |
| 121 | 122 | 123 | 124 | 125 | 126 | 127 | 128 | 129 | 130 | 131 | 132 |
| 133 | 134 | 135 | 136 | 137 | 138 | 139 | 140 | 141 | 142 | 143 | 144 |
| 145 | 146 | 147 | 148 | 149 | 150 | 151 | 152 | 153 | 154 | 155 | 156 |
| 157 | 158 | 159 | 160 | 161 | 162 | 163 | 164 | 165 | 166 | 167 | 168 |
| 169 | 170 | 171 | 172 | 173 | 174 | 175 | 176 | 177 | 178 | 179 | 180 |
| 181 | 182 | 183 | 184 | 185 | 186 | 187 | 188 | 189 | 190 | 191 | 192 |
| 193 | 194 | 195 | 196 | 197 | 198 | 199 | 200 | 201 | 202 | 203 | 204 |
| 205 | 206 | 207 | 208 | 209 | 210 | 211 | 212 | 213 | 214 | 215 | 216 |
| 217 | 218 | 219 | 220 | 221 | 222 | 223 | 224 | 225 | 226 | 227 | 228 |
| 229 | 230 | 231 | 232 | 233 | 234 | 235 | 236 | 237 | 238 | 239 | 240 |
| 241 | 242 | 243 | 244 | 245 | 246 | 247 | 248 | 249 | 250 | 251 | 252 |
| 253 | 254 | 255 | 256 | 257 | 258 | 259 | 260 | 261 | 262 | 263 | 264 |
| 265 | 266 | 267 | 268 | 269 | 270 | 271 | 272 | 273 | 274 | 275 | 276 |
| 277 | 278 | 279 | 280 | 281 | 282 | 283 | 284 | 285 | 286 | 287 | 288 |
| 289 | 290 | 291 | 292 | 293 | 294 | 295 | 296 | 297 | 298 | 299 | 300 |
| 301 | 302 | 303 | 304 | 305 | 306 | 307 | 308 | 309 | 310 | 311 | 312 |
| 313 | 314 | 315 | 316 | 317 | 318 | 319 | 320 | 321 | 322 | 323 | 324 |
| 325 | 326 | 327 | 328 | 329 | 330 | 331 | 332 | 333 | 334 | 335 | 336 |
| 337 | 338 | 339 | 340 | 341 | 342 | 343 | 344 | 345 | 346 | 347 | 348 |
| 349 | 350 | 351 | 352 | 353 | 354 | 355 | 356 | 357 | 358 | 359 | 360 |
| 361 | 362 | 363 | 364 | 365 | 366 | 367 | 368 | 369 | 370 | 371 | 372 |
| 373 | 374 | 375 | 376 | 377 | 378 | 379 | 380 | 381 | 382 | 383 | 384 |
| 385 | 386 | 387 | 388 | 389 | 390 | 391 | 392 | 393 | 394 | 395 | 396 |
| 397 | 398 | 399 | 400 | 401 | 402 | 403 | 404 | 405 | 406 | 407 | 408 |
| 409 | 410 | 411 | 412 | 413 | 414 | 415 | 416 | 417 | 418 | 419 | 420 |
| 421 | 422 | 423 | 424 | 425 | 426 | 427 | 428 | 429 | 430 | 431 | 432 |
| 433 | 434 | 435 | 436 | 437 | 438 | 439 | 440 | 441 | 442 | 443 | 444 |
| 445 | 446 | 447 | 448 | 449 | 450 | 451 | 452 | 453 | 454 | 455 | 456 |
| 457 | 458 | 459 | 460 | 461 | 462 | 463 | 464 | 465 | 466 | 467 | 468 |

| | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 469 | 470 | 471 | 472 | 473 | 474 | 475 | 476 | 477 | 478 | 479 | 480 |
| 481 | 482 | 483 | 484 | 485 | 486 | 487 | 488 | 489 | 490 | 491 | 492 |
| 493 | 494 | 495 | 496 | 497 | 498 | 499 | 500 | 501 | 502 | 503 | 504 |
| 505 | 506 | 507 | 508 | 509 | 510 | 511 | 512 | 513 | 514 | 515 | 516 |
| 517 | 518 | 519 | 520 | 521 | 522 | 523 | 524 | 525 | 526 | 527 | 528 |
| 529 | 530 | 531 | 532 | 533 | 534 | 535 | 536 | 537 | 538 | 539 | 540 |
| 541 | 542 | 543 | 544 | 545 | 546 | 547 | 548 | 549 | 550 | 551 | 552 |
| 553 | 554 | 555 | 556 | 557 | 558 | 559 | 560 | 561 | 562 | 563 | 564 |
| 565 | 566 | 567 | 568 | 569 | 570 | 571 | 572 | 573 | 574 | 575 | 576 |
| 577 | 578 | 579 | 580 | 581 | 582 | 583 | 584 | 585 | 586 | 587 | 588 |
| 589 | 590 | 591 | 592 | 593 | 594 | 595 | 596 | 597 | 598 | 599 | 600 |
| 601 | 602 | 603 | 604 | 605 | 606 | 607 | 608 | 609 | 610 | 611 | 612 |
| 613 | 614 | 615 | 616 | 617 | 618 | 619 | 620 | 621 | 622 | 623 | 624 |
| 625 | 626 | 627 | 628 | 629 | 630 | 631 | 632 | 633 | 634 | 635 | 636 |
| 637 | 638 | 639 | 640 | 641 | 642 | 643 | 644 | 645 | 646 | 647 | 648 |
| 649 | 650 | 651 | 652 | 653 | 654 | 655 | 656 | 657 | 658 | 659 | 660 |
| 661 | 662 | 663 | 664 | 665 | 666 | 667 | 668 | 669 | 670 | 671 | 672 |
| 673 | 674 | 675 | 676 | 677 | 678 | 679 | 680 | 681 | 682 | 683 | 684 |
| 685 | 686 | 687 | 688 | 689 | 690 | 691 | 692 | 693 | 694 | 695 | 696 |
| 697 | 698 | 699 | 700 | 701 | 702 | 703 | 704 | 705 | 706 | 707 | 708 |
| 709 | 710 | 711 | 712 | 713 | 714 | 715 | 716 | 717 | 718 | 719 | 720 |
| 721 | 722 | 723 | 724 | 725 | 726 | 727 | 728 | 729 | 730 | 731 | 732 |
| 733 | 734 | 735 | 736 | 737 | 738 | 739 | 740 | 741 | 742 | 743 | 744 |
| 745 | 746 | 747 | 748 | 749 | 750 | 751 | 752 | | | | |

The seeds are derived from open-pollinated plants. No guarantee can be given either on the purity or the germination of the seeds.

Семена получены путем свободного опыления растений. Мы не можем дать никаких гарантий относительно чистоты и прорастания семян.