

# INDEX SEMINUM

*Impatiens noli-tangere* L.



TALLINN 2015

TALLINNA BOTAANIKAAED

***INDEX SEMINUM***

*anno 2014 collectorum*

*quae*

***HORTUS BOTANICUS TALLINNENSIS***

*pro mutua commutatione offert*

Tallinn 2015

*Mandata inscribenda sunt:*  
*Hortus Botanicus Tallinnensis*  
Kloostrimetsa tee 52  
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*Estonie*

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ISSN 1406-3158

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# I Semina plantarum in horto botanico cultarum

## SPERMATOPHYTA

### GYMNOSPERMAE

#### Cupressaceae

- 1 *Chamaecyparis pisifera* (Siebold et Zucc.) Endl.
- A 2 *Microbiota decussata* Kom.
- \* 3 *Microbiota decussata* Kom. (*Rossia extremiorientalis*, Okeanskaya, 1961)
- 4 *Thuja koraiensis* Nakai (Tartu, 1982)
- 5 *Thuja occidentalis* L. (Estonia, Tallinn, 1968)
- 6 *Thuja plicata* Donn ex D. Don (Estonia, Kuusnõmme, 1961)

#### Pinaceae

- 7 *Abies koreana* E.H. Wilson (Nogent-sur-Vernisson, 1966)
- 8 *Abies veitchii* Lindl.
- 9 *Larix decidua* Mill. (Rogów, 1965)
- \* 10 *Larix gmelinii* (Rupr.) Kuzen. (*Rossia extremiorientalis*, Ternei, 1977)
- \* 11 *Larix kaempferi* (Lamb.) Carrière (Koshigaya, 1983)
- 12 *Larix occidentalis* Nutt. (Estonia, Tallinn, 2004)
- 13 *Larix sibirica* Ledeb. (Estonia, Järvelja, 1958)
- 14 *Pinus koraiensis* Siebold et Zucc. (Coimbra, 1959)

#### Taxaceae

- \* 15 *Taxus cuspidata* Siebold et Zucc. (Nayoro, 1969)

### ANGIOSPERMAE

#### Dicotyledoneae

#### Acanthaceae

- 16 *Acanthus mollis* L. (Wrocław, 1973)
- + 17 *Barleria prionitis* L. (Villers-lès-Nancy, 2003)
- + 18 *Crossandra nilotica* Oliv.
- + 19 *Ruellia brittoniana* Leonard
- + 20 *Ruellia graecizans* Backer

#### Aceraceae

- 21 *Acer barbinerve* Maxim.
- 22 *Acer campestre* L.
- \* 23 *Acer mandshuricum* Maxim. (*Rossia extremiorientalis*, Lazo, 1977)
- \* 24 *Acer mandshuricum* Maxim. (*Rossia extremiorientalis*, Okeanskaya, 1961)

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+ = semina plantarum in calidariis cultarum

\* = Seeds of a cultivated plant of known wild origin / Samen von kultivierte Pflanzen bekannter Wildherkunft  
 A = Seeds of a cultivated plant from Audaku Experimental Station (Saaremaa Island, 58°17'52" N 022°06'08" E) / Samen von kultivierte Pflanzen von wissenschaftlicher Beobachtungsstelle Audaku (Insel Ösel, 58°17'52" N 022°06'08" O)

- A 25 *Acer monspessulanum* L. subsp. *turcomanicum* (Pojark.) E. Murray (Ashgabat, 1957)
- \* 26 *Acer negundo* L. var. *interius* (Britton) Sarg. (Edmonton, 1967)
- 27 *Acer pseudoplatanus* L. f. *purpureum* (Loudon) Rehder (Estonia, Järvelja, 1958)
- A\* 28 *Acer pseudosieboldianum* (Pax) Kom. (*Rossia extremorientalis*, Okeanskaya, 1961)
- Anacardiaceae**
- 29 *Cotinus coggygria* Scop.
- 30 *Rhus radicans* L. (Khabarovsk, 1976)
- A\* 31 *Rhus radicans* L. (Montreal, 1991)
- 32 *Rhus radicans* L. var. *rydbergii* (Small) Rehder
- 33 *Rhus typhina* L. (Estonia, Kuressaare, 1977)
- Annonaceae**
- + 34 *Artabotrys hexapetalus* (L. f.) Bhandari (Lund, 1999)
- Apiaceae**
- 35 *Eryngium alpinum* L.
- 36 *Eryngium giganteum* M. Bieb. (Ljubljana, 1982)
- Apocynaceae**
- 37 *Amsonia orientalis* Decne. (Giessen, 1991)
- + 38 *Thevetia peruviana* (Pers.) K. Schum.
- Aquifoliaceae**
- 39 *Ilex laevigata* (Pursh) A. Gray (Salzburg, 1987)
- 40 *Ilex laevigata* (Pursh) A. Gray (Holland, 1993)
- \* 41 *Ilex verticillata* (L.) A. Gray (Mentor, 1994)
- A 42 *Ilex verticillata* (L.) A. Gray cv. Winter Red (Estonia, Tallinn, 1998)
- Araliaceae**
- A\* 43 *Aralia elata* (Miq.) Seem. (*Rossia extremorientalis*, Shamora, 1983)
- A 44 *Eleutherococcus divaricatus* (Siebold et Zucc.) S.Y.Hu (Tokyo, 1978)
- 45 *Eleutherococcus senticosus* (Rupr. et Maxim.) Maxim. (Insula Sachalin, Dolinsk, 1962)
- A\* 46 *Eleutherococcus sessiliflorus* (Rupr. et Maxim.) S.Y. Hu (*Rossia extremorientalis*, Artem, 1961)
- Asclepiadaceae**
- \* 47 *Asclepias incarnata* L. (Montreal, 2008)
- Asteraceae**
- \* 48 *Ageratina occidentalis* (Hook.) R.M. King et H. Rob (NARGS, 2006)
- 49 *Aster alpinus* L. cv. Albus (Linz, 1997)
- 50 *Aster alpinus* L. cv. Roseus (Oslo, 1996)
- 51 *Aster ptarmicoides* (Nees) Torr. et A. Gray
- 52 *Berkheya purpurea* (DC.) Mast. (Dresden, 2014)
- \* 53 *Bidens tripartita* L. (Estonia, Insula Rammu, 2011)
- 54 *Centaurea polyphylla* Ledeb. ex Nordm. (Poznań, 2005)
- 55 *Eriophyllum lanatum* (Pursh) J. Forbes (Riga, 1967)
- 56 *Eupatorium lindleyanum* DC. (Vladivostok, 2011)
- 57 *Inula hirta* L. (Trento, 2007)
- 58 *Ligularia japonica* (Thunb.) Less. (Rzepin, 2010)
- 59 *Ligularia przewalskii* (Maxim.) Diels (Tartu, 1999)

- 60 *Ligularia sibirica* (L.) Cass. (Estonia, Tallinn, 2009)
- 61 *Rudbeckia fulgida* Aiton var. *sullivantii* (F.E. Boynton et Beadle) Cronquist (Mühlhausen, 1960)
- 62 *Saussurea riederi* Herder (Marburg, 2005)
- 63 *Senecio adonidifolius* Loisel. (Heidelberg, 1975)
- 64 *Senecio ovatus* (G. Gaertn., B. Mey. et Scherb.) Willd. (Oldenburg, 1994)
- \* 65 *Senecio sarracenicus* L. (= *Senecio fluviatilis* Wallr.) (Estonia, Kohila, 2009)
- \* 66 *Serratula tinctoria* L. (Estonia, Laelatu, 2000)
- \* 67 *Silphium integrifolium* Michx. (Glencoe, 1993)
- 68 *Zinnia peruviana* (L.) L. cv. Bonita Yellow (Konstanz, 2010)
- 69 *Vernonia fasciculata* Michx. (Tübingen, 2004)
- Begoniaceae**
- + 70 *Begonia venosa* Skan ex Hook. f. (Lyon, 1999)
- Berberidaceae**
- A 71 *Berberis amurensis* Rupr. var. *japonica* (Regel) Rehder (Tsukuba, 1999)
- A 72 *Berberis koreana* Palib. (Hørsholm, 1991)
- 73 *Podophyllum hexandrum* Royle (Bergen, 1958)
- 74 *Podophyllum hexandrum* Royle var. *chinense* (Sprague) Stearn ex Cubey (Stockholm, 1959)
- Betulaceae**
- \* 75 *Alnus crispa* (Aiton) Pursh (Vancouver, 1981)
- 76 *Alnus crispa* (Aiton) Pursh. var. *mollis* (Fernald) Fernald (Rogów, 2002)
- \* 77 *Alnus fruticosa* Rupr. (*Rossia extremiorientalis*, Zeya, 1975)
- \* 78 *Alnus fruticosa* Rupr. (*Paeninsula Camtschatca*, Dolina Geiserov, 1978)
- 79 *Alnus hirsuta* (Spach) Rupr. (Rogów, 1977)
- \* 80 *Alnus incana* (L.) Moench (Estonia, Tallinn, 1975)
- 81 *Alnus incana* (L.) Moench var. *americana* Regel (Ottawa, 1965)
- \* 82 *Alnus incana* (L.) Moench subsp. *rugosa* (Du Roi) Clausen (Washington, 1978)
- 83 *Alnus japonica* (Thunb.) Steud. (Nayoro, 1973)
- \* 84 *Alnus maximowiczii* Callier ex C.K. Schneid. (*Insulae Kurilenses*, Kunashiri, 1981)
- 85 *Alnus* × *pubescens* Tausch (Tallinn, Kloostrimetsa, 1975)
- 86 *Alnus viridis* (Chaix) DC. (Rogów, 1973)
- 87 *Betula alleghaniensis* Britton (Estonia, Järvelja, 1958)
- 88 *Betula* × *aurata* Borkh.
- 89 *Betula ermanii* Cham. var. *subcordata* (Regel) Koidz. (Nikko, 1975)
- \* 90 *Betula fruticosa* Pall. (*Rossia extremiorientalis*, Olga, 1977)
- 91 *Betula grossa* Siebold et Zucc. (Lublin, 1998)
- 92 *Betula humilis* Schrank
- \* 93 *Betula kamtschatica* (Regel) C.-A. Jansson (= *Betula platyphylla* Sukaczew var. *japonica* (Miq.) H. Hara) (*Insula Sachalin*, Novoalexandrovsk, 1961)
- 94 *Betula papyrifera* Marshall (Estonia, Järvelja, 1958)
- \* 95 *Betula platyphylla* Sukaczew (*Rossia extremiorientalis*, Okeanskaya, 1961)
- \* 96 *Betula pumila* L. var. *glandulifera* Regel (Montreal, 1991)
- 97 *Betula utilis* D. Don var. *utilis* (= *Betula albo-sinensis* Burkh. var. *septentrionalis* C.K. Schneid.) (Berlin-Dahlem, 1974)
- \* 98 *Carpinus caroliniana* Walter (Ottawa, 1967)
- Bixaceae**
- + 99 *Bixa orellana* L. (Tartu, 2011)

**Bombacaceae**

- + 100 *Pachira insignis* (Sw.) Savigny (Tübingen, 1972)

**Boraginaceae**

- 101 *Lithospermum purpureocaeruleum* L. (București, 1976)

**Brassicaceae**

- 102 *Lunaria rediviva* L.

**Buddlejaceae**

- 103 *Buddleja davidii* Franch. (Stuttgart-Hohenheim, 2010)

**Campanulaceae**

- \* 104 *Codonopsis lanceolata* (Siebold et Zucc.) Trautv. (Vladivostok, 2006)

**Caprifoliaceae**

- \* 105 *Diervilla lonicera* Mill. (Ottawa, 1966)  
 106 *Diervilla rivularis* Gatt. (Dushanbe, 1957)  
 107 *Diervilla sessilifolia* Buckland (Leiden, 1957)  
 A 108 *Kolkwitzia amabilis* Graebn.  
 109 *Kolkwitzia amabilis* Graebn.  
 110 *Lonicera caucasica* Pall.  
 \* 111 *Lonicera chamissoi* Bunge (Yuzhno-Sakhalinsk, 1998)  
 112 *Lonicera demissa* Rehder  
 113 *Lonicera iberica* M. Bieb. (Tbilisi, 1964)  
 114 *Lonicera involucrata* (Richardson) Banks ex Spreng. (Berlin-Dahlem, 1978)  
 115 *Lonicera ledebourii* Eschsch. (Kórnik, 1999)  
 A 116 *Lonicera ledebourii* Eschsch. (Kórnik, 1999)  
 117 *Lonicera maackii* (Rupr.) Maxim. (Khabarovsk, 1967)  
 \* 118 *Lonicera nigra* L. (Sarajevo, 1983)  
 A 119 *Lonicera nigra* L. (Amsterdam, 2003)  
 120 *Lonicera periclymenum* L.  
 A 121 *Lonicera periclymenum* L.  
 122 *Lonicera prolifera* (G. Kirchn.) Rehder  
 123 *Lonicera tatarica* L. (Barnaul, 1977)  
 124 *Lonicera tatarica* L. cv. Alba (Northampton, 1963)  
 A 125 *Lonicera tolmatchewii* Pojark. (Joskar-Ola, 1997)  
 A 126 *Lonicera vesicaria* Kom. (Vilnius, 2002)  
 127 *Sambucus canadensis* L. cv. Aurea  
 128 *Sambucus nigra* L. (Estonia, Kuressaare, 1969)  
 129 *Sambucus racemosa* L. subsp. *sibirica* (Nakai) Hara (Barnaul, 1998)  
 \* 130 *Sambucus williamsii* Hance (*Rossia extremiorientalis*, Talmi, 1961)  
 A 131 *Symphoricarpos occidentalis* Hook. (Ottawa, 1968)  
 132 *Weigela decora* (Nakai) Nakai (Hørsholm, 1994)  
 133 *Weigela florida* (Bunge) A. DC. (Pyongyang, 1988)  
 134 *Weigela japonica* Thunb. (Dresden, 1960)  
 \* 135 *Weigela middendorffiana* (Trautv. et C.A. Mey.) K. Koch (*Insula Sachalin*, Mt. Chekhov, 1961)  
 136 *Weigela praecox* (Lemoine) L.H. Bailey (Estonia, Järvelja, 1958)  
 \* 137 *Viburnum dentatum* L. var. *deamii* (Rehder) Fernald (Philadelphia, 1993)  
 138 *Viburnum lantana* L. cv. Variegatum (Estonia, Järvelja, 1958)  
 139 *Viburnum lentago* L. (Estonia, Luua, 1957)

- 140 *Viburnum mongolicum* (Pall.) Rehder (Girionys, 2009)  
 141 *Viburnum opulus* L. (Tallinn, 1965)  
 \* 142 *Viburnum trilobum* Marshall (Montréal, 1988)  
 A\* 143 *Viburnum wrightii* Miq. (*Insulae Kurilenses*, Etorofu, 1961)  
 \* 144 *Viburnum wrightii* Miq. (*Insulae Kurilenses*, Etorofu, 1961)
- Caryophyllaceae**
- \* 145 *Dianthus alpinus* L. (Graz, 2009)  
 146 *Dianthus erinaceus* Boiss. (Brno, 2008)  
 \* 147 *Saponaria bellidifolia* Sm. (Lama dei Peligni, 2004)  
 148 *Saponaria lutea* L. (Fribourg, 1989)  
 149 *Saponaria ocymoides* L. (Graz, 1972)
- Celastraceae**
- 150 *Celastrus orbiculatus* Thunb. (Tallinn, 1960)  
 \* 151 *Celastrus scandens* L. (Ottawa, 1965)  
 152 *Euonymus alatus* (Thunb.) Siebold (Kyoto, 1985)  
 153 *Euonymus alatus* (Thunb.) Siebold (Kyoto, 1998)  
 \* 154 *Euonymus alatus* (Thunb.) Siebold subsp. *sacrosanctus* (Koidz.) Worosch. (*Rossia extremiorientalis*, 1961)  
 155 *Euonymus bungeanus* Maxim. (Beijing, 1957)  
 156 *Euonymus europaeus* L. (Estonia, Harku, 1959)  
 \* 157 *Euonymus hamiltonianus* Wall. subsp. *sieboldianus* (Blume) Hara (*Insula Sachalin*, Mt. Chekhov, 1961)  
 158 *Euonymus latifolius* (L.) Mill. (Tallinn, 1989)  
 A\* 159 *Euonymus macropterus* Rupr. (*Rossia extremiorientalis*, Khualaza, 1961)  
 160 *Euonymus macropterus* Rupr.  
 161 *Euonymus nanus* M. Bieb. (Tallinn, 1958)  
 \* 162 *Euonymus obovatus* Nutt. (East Lansing, 1999)  
 \* 163 *Euonymus pauciflorus* Maxim. (*Rossia extremiorientalis*, Khekhtsir, 1975)  
 164 *Euonymus phellomanus* Loes.ex Diels. (Eberswalde, 1997)  
 \* 165 *Euonymus planipes* (Koehne) Koehne (*Rossia extremiorientalis*, Shamora, 1961)  
 166 *Tripterygium regelii* Sprague et Takeda
- Cercidiphyllaceae**
- 167 *Cercidiphyllum japonicum* Siebold et Zucc. var. *magnificum* Nakai (Nikko, 1975)
- Clusiaceae**
- 168 *Hypericum ascyron* L. (Gornotaietchna, 2007)
- Combretaceae**
- + 169 *Terminalia catappa* L.
- Convolvulaceae**
- 170 *Ipomoea quamoclit* L.
- Cornaceae**
- 171 *Cornus alba* L.  
 172 *Cornus alba* L. cv. *Sibirica Variegata*  
 173 *Cornus alternifolia* L. f.  
 \* 174 *Cornus amomum* Mill. (East Lansing, 2003)  
 175 *Cornus mas* L.  
 176 *Cornus sanguinea* L. (Estonia, Rakvere, 1960)  
 \* 177 *Cornus sanguinea* L. subsp. *australis* (C.A. Mey.) Jáv. (Moscow, 1989)  
 \* 178 *Cornus sericea* L. (Niagara Falls, 2008)



**Crassulaceae**

- + 179 *Kalanchoe longiflora* Schltr. ex J.M. Wood (Villers-lès-Nancy, 1984)
- + 180 *Kalanchoe nyikae* Engl. (München, 1995)
- + 181 *Kalanchoe rotundifolia* (Haw.) Haw. (Basel, 1994)

**Dipsacaceae**

- 182 *Scabiosa caucasica* M. Bieb. (Tabor, 2007)

**Elaeagnaceae**

- 183 *Elaeagnus commutata* Bernh. ex Rydb. (Estonia, Järvselja, 1960)
- 184 *Elaeagnus multiflora* Thunb. (Yuzhno-Sakhalinsk, 1988)
- 185 *Elaeagnus umbellata* Thunb. (Estonia, Polli, 1975)
- \* 186 *Hippophae rhamnoides* L. (Wrocław, 1997)

**Ericaceae**

- 187 *Enkianthus campanulatus* (Miq.) G. Nicholson (Edinburgh, 1962)
- 188 *Erica tetralix* L.
- \* 189 *Ledum groenlandicum* Oeder (Vancouver, 1962)
- \* 190 *Ledum palustre* L. var. *diversipilosum* Nakai (*Rossia extremiorientalis*, Mt. Khualaza, 1961)
- \* 191 *Leucothoe grayana* Maxim. (*Insulae Kurilenses*, Kunashiri, 1981)
- 192 *Lyonia ligustrina* (L.) DC. (Vancouver, 1962)
- \* 193 *Menziesia pentandra* Maxim. (*Insulae Kurilenses*, Kunashiri, 1981)
- 194 *Menziesia pilosa* (Michx.) Juss.
- 195 *Rhododendron austrinum* (Small) Rehder (Greifswald, 1968)
- 196 *Rhododendron brachycarpum* D. Don ex G. Don (Edinburgh, 1958)
- 197 *Rhododendron brachycarpum* D. Don ex G. Don
- 198 *Rhododendron camtschaticum* Pall.
- 199 *Rhododendron Catawbiense* Hybrids (Riga, 1970)
- 200 *Rhododendron insigne* Hemsl. et E.H. Wilson × *Rhododendron* sp. (Edinburgh, 1958)
- 201 *Rhododendron luteum* Sweet
- 202 *Rhododendron maximum* L. (Antwerpen, 1962)
- 203 *Rhododendron minus* Michx. cv. *Carolinianum Album* (Edinburgh, 1958)
- 204 *Rhododendron molle* (Blume) G. Don subsp. *japonicum* (A. Gray) K. Kron
- 205 *Rhododendron prinophyllum* (Small) Millais (Antwerpen, 1962)
- \* 206 *Rhododendron schlippenbachii* Maxim. (*Rossia extremiorientalis*, Talmi, 1961)
- 207 *Rhododendron smirnowii* Trautv.
- 208 *Rhododendron vaseyi* A. Gray (Edinburgh, 1958)
- 209 *Vaccinium arctostaphylos* L. (Paris, 1966)
- 210 *Vaccinium corymbosum* L. (Essen, 1962)
- 211 *Vaccinium corymbosum* L. f. *glabrum* (A. Gray) Camp (Essen, 1962)
- 212 *Vaccinium macrocarpon* Aiton (Salaspils, 1994)
- 213 *Vaccinium macrocarpon* Aiton cv. *Early Black* (Estonia, Vehendi, 2009)

**Euphorbiaceae**

- 214 *Andrachne colchica* Fisch. ex C.A. Mey. ex Boiss. (Tartu, 1994)
- + 215 *Phyllanthus grandifolius* L.
- 216 *Securinega suffruticosa* (Pall.) Rehder

**Fabaceae**

- A 217 *Caragana arborescens* Lam. (Genève, 1958)  
 A 218 *Chamaecytisus purpureus* (Scop.) Link (München, 1961)  
 219 *Chamaecytisus supinus* (L.) Link  
 A 220 *Chamaecytisus supinus* (L.) Link (Tartu, 1957)  
 221 *Colutea arborescens* L.  
 A 222 *Colutea* × *media* Willd. (Bayreuth, 2006)  
 223 *Colutea* × *media* Willd. (Salaspils, 1964)  
 224 *Cytisus nigricans* L.  
 A\* 225 *Cytisus scoparius* (L.) Link (Lublin, 2007)  
 226 *Galega orientalis* Lam. (Moscow, 1982)  
 227 *Lablab purpureus* (L.) Sweet  
 228 *Laburnum alpinum* (Mill.) Bercht. et J. Presl  
 229 *Laburnum anagyroides* Medik. (Essen, 1957)  
 230 *Lathyrus belinensis* Maxted et Goyder  
 \* 231 *Maackia amurensis* Rupr. et Maxim. (*Rossia extremiorientalis*,  
*Okeanskaya*, 1961)

**Fagaceae**

- A 232 *Castanea dentata* (Marshall) Borkh. (Tharandt, 2002)  
 A 233 *Fagus sylvatica* L. (Estonia, Kuressaare, 1961)

**Gentianaceae**

- \* 234 *Gentiana froelichii* Jan ex Rchb. (Graz, 2008)  
 235 *Gentiana lutea* L. (Lyon, 2008)  
 236 *Gentiana paradoxa* Albov (Jena, 1979)  
 237 *Gentiana septemfida* Pall.

**Geraniaceae**

- 238 *Geranium macrorrhizum* L. f. *balcanum* Sünderm. (Estonia, Õisu, 1947)

**Gesneriaceae**

- 239 *Ramonda serbica* Pančić (Brno, 2008)  
 + 240 *Rhytidophyllum tomentosum* (L.) Mart. (Halle, 2003)

**Grossulariaceae**

- 241 *Ribes cynosbati* L. (Nizhni Novgorod, 1958)  
 242 *Ribes divaricatum* Douglas (Vilnius, 1991)  
 243 *Ribes komarovii* Pojark. (Bayreuth, 1997)  
 A 244 *Ribes komarovii* Pojark. (Bayreuth, 1997)  
 245 *Ribes niveum* Lindl. (Vilnius, 2003)  
 246 *Ribes petraeum* Wulfen  
 \* 247 *Ribes rubrum* L. (Nantes, 1997)

**Hamamelidaceae**

- 248 *Hamamelis japonica* Siebold et Zucc. cv. *Zuccariniana* (Berlin-Dahlem, 1959)

**Hydrangeaceae**

- 249 *Deutzia discolor* Hemsl. (Genève, 1965)  
 250 *Deutzia scabra* Thunb. (Osaka, 1970)  
 251 *Deutzia scabra* Thunb. cv. *Plena* (Tallinn, 1960)  
 252 *Hydrangea heteromalla* D. Don  
 \* 253 *Hydrangea paniculata* Siebold (*Insula Sachalin, Novoalexandrovsk*, 1961)  
 254 *Hydrangea paniculata* Siebold cv. *Praecox* (Estonia, Tallinn, 1970)

- \* 255 *Philadelphus lewisii* Pursh (Vancouver, 1967)
- Juglandaceae**
- A 256 *Pterocarya stenoptera* C. DC. (Beijing, 1980)
- Lamiaceae**
- \* 257 *Dracocephalum ruyschiana* L. (Estonia, Jalase, 1995)
- 258 *Monarda menthifolia* Graham (Praha, 2011)
- 259 *Nepeta sibirica* L. (Graz, 1984)
- 260 *Salvia patens* Cav. cv. Blue Angel (La Gacilly Cedex, 2011)
- 261 *Salvia pratensis* L. (Jena, 1989)
- 262 *Salvia pratensis* L. cv. Rubicunda (Vilnius, 2008)
- 263 *Salvia przewalskii* Maxim. (Trento, 2002)
- 264 *Salvia viridis* L. cv. Clary Bouquet
- Magnoliaceae**
- 265 *Magnolia kobus* DC. (Mustila, 2006)
- Malvaceae**
- 266 *Alcea rugosa* Alef. (Moscow, 2006)
- Moraceae**
- + 267 *Dorstenia contrajerva* L. (Strasbourg, 1961)
- + 268 *Dorstenia elata* Gardner (Düsseldorf, 1994)
- + 269 *Dorstenia hildebrandtii* Engl. (Plzeň, 2003)
- 270 *Morus alba* L.
- 271 *Morus australis* Poir. (= *Morus bombycis* Koidz.) (Cluj, 1965)
- \* 272 *Morus rubra* L. (Lisle, 1991)
- Myrsinaceae**
- + 273 *Ardisia crenata* Sims
- + 274 *Ardisia japonica* (Thunb.) Blume (Batumi, 1984)
- Myrtaceae**
- +\* 275 *Eugenia uniflora* L. (*Insula Mauritiana*, 2007)
- + 276 *Myrtus communis* L.
- + 277 *Psidium littorale* Raddi (Stockholm, 1964)
- Oleaceae**
- 278 *Forsythia europaea* Degen et Bald. (Cluj, 1965)
- 279 *Forsythia giraldiana* Lingelsh. (Salaspils, 1996)
- 280 *Forsythia ovata* Nakai (St. Petersburg, 1958)
- 281 *Fraxinus americana* L. cv. Iodocarpa (Montreal, 1965)
- A\* 282 *Fraxinus chinensis* Roxb. var. *rhyrachophylla* (Hance) Hemsl. (*Rossia extremiorientalis*, Shamora, 1961)
- \* 283 *Fraxinus chinensis* Roxb. var. *rhyrachophylla* (Hance) Hemsl. (*Rossia extremiorientalis*, Shamora, 1961)
- \* 284 *Fraxinus latifolia* Benth. (Vancouver, 1982)
- 285 *Fraxinus pennsylvanica* Marshall
- 286 *Ligustrum ibota* Siebold et Zucc. (København, 1991)
- \* 287 *Ligustrum tschonoskii* Decne. (*Insula Sachalin, Mt. Chekhov*, 1961)
- 288 *Ligustrum tschonoskii* Decne. var. *glabrescens* Koidz. (Hørsholm, 1991)
- \* 289 *Ligustrum vulgare* L. (Salzburg, 1983)
- 290 *Ligustrum vulgare* L. cv. Aureovariegatum (Salaspils, 1964)
- 291 *Syringa tomentella* Bureau et Franch. (Edinburgh, 1958)
- 292 *Syringa yunnanensis* Franch. (Stockholm, 1957)

**Onagraceae**

293 *Oenothera macrocarpa* Nutt. (Bielefeld, 2011)

**Papaveraceae**

294 *Papaver bracteatum* Lindl. (Brno, 2002)

**Passifloraceae**

+ 295 *Passiflora coriacea* Juss. (Leiden, 2004)

**Phytolaccaceae**

+ 296 *Rivina humilis* L. (Tartu, 1959)

**Primulaceae**

297 *Cyclamen coum* Mill.

298 *Cyclamen purpurascens* Mill. (Wien, 1997)

**Ranunculaceae**

299 *Aconitum* × *tokii* Nakai (Trento, 2002)

\* 300 *Cimicifuga elata* Nutt. (Göteborg, 2003)

301 *Clematis koreana* Kom. (Kristiansand, 1996)

302 *Clematis vitalba* L. (København, 1958)

303 *Pulsatilla albana* (Steven) Bercht. et J. Presl (Wien, 1998)

304 *Pulsatilla halleri* (All.) Willd. subsp. *grandis* (Wender.) Meikle (Rosemont, 1987)

\* 305 *Pulsatilla patens* (L.) Mill. (*Estonia, Jalase*, 2004)

\* 306 *Pulsatilla pratensis* (L.) Mill. (*Tallinn, Astangu*, 2004)

307 *Pulsatilla vulgaris* Mill. (Vancouver, 1959)

**Rhamnaceae**

\* 308 *Frangula alnus* Mill. (Tallinn, 1971)

\* 309 *Rhamnus alpina* L. (Champex, 1992)

310 *Rhamnus fallax* Boiss.

311 *Rhamnus japonica* Maxim. (Trondheim, 1998)

312 *Rhamnus parvifolia* Bunge (Barnaul, 1998)

313 *Rhamnus saxatilis* Jacq. (Ljubljana, 2004)

**Rosaceae**

A 314 *Amelanchier laevis* Wiegand (Washington, 1975)

315 *Amelanchier sanguinea* (Pursh) DC. (Hørsholm, 1994)

316 *Aronia* × *prunifolia* (C.K. Schneid.) Graebn. cv. *Floribunda* (= *Aronia* × *mitschurinii* A.K. Skvortsov et Maitul.) (Kiel, 1996)

317 *Cerasus avium* (L.) Moench (= *Prunus avium* (L.) L.)

318 *Cerasus maximowiczii* (Rupr.) Kom. (= *Prunus maximowiczii* Rupr.)

319 *Chaenomeles japonica* (Thunb.) Lindl. ex Spach

A 320 *Cotoneaster dielsianus* E. Pritz. (Kaunas, 1961)

321 *Cotoneaster integerrimus* Medik. (Tallinn, 1970)

A 322 *Cotoneaster integerrimus* Medik. (Minsk, 1957)

A 323 *Cotoneaster praecox* (Bois et Berthault) M. Vilm. (Stockholm, 1957)

324 × *Crataegosorbus miczurinii* Pojark. (Estonia, Maidla, 1984)

A 325 *Crataegus arnoldiana* Sarg. (Salaspils, 1996)

A\* 326 *Crataegus chlorosarca* Maxim. (*Insula Sachalin, Dolinsk*, 1961)

327 *Crataegus chrysocarpa* Ashe (Tartu, 1958)

328 *Crataegus chrysocarpa* Ashe var. *phoenicea* E.J. Palmer (Helsinki, 1960)

329 *Crataegus douglasii* Lindl. (Estonia, Järvselja, 1958)

330 *Crataegus dsungarica* Zabel ex Lange

\* 331 *Crataegus laevigata* (Poir.) DC. (Strasbourg, 1990)

- \* 332 *Crataegus monogyna* Jacq. (Wien, 1975)
- A 333 *Crataegus monogyna* Jacq. cv. *Stricta* (Estonia, Kudjape, 2005)
- A 334 *Cydonia oblonga* Mill. (Ashgabat, 1963)
- 335 *Dryas octopetala* L. (Tartu, 1950)
- 336 *Exochorda* × *macrantha* (Lemoine) C.K. Schneid.
- \* 337 *Filipendula camtschatica* (Pall.) Maxim. (*Insula Sachalin*, 1961)
- 338 *Holodiscus discolor* (Pursh) Maxim.
- 339 *Holodiscus dumosus* (Nutt. ex Hook.) A. Heller (Oslo, 1995)
- 340 *Malus fusca* (Raf.) C.K. Schneid. (Helsinki, 1996)
- 341 *Malus* × *micromalus* Makino (Hørsholm, 1991)
- 342 *Malus sargentii* Rehder (Kiev, 1958)
- 343 *Malus sieboldii* (Rehder) Fiala cv. *Calocarpa* (Salaspils, 1990)
- A\* 344 *Malus sieversii* (Ledeb.) M. Roem. (Tashkent, 1989)
- \* 345 *Malus sieversii* (Ledeb.) M. Roem. (*Kazakhstan, Alma-Arasan*, 1986)
- \* 346 *Malus sylvestris* (L.) Mill. (Salaspils, 1980)
- 347 *Malus yunnanesis* (Franch.) C.K. Schneid. var. *veitchii* Rehder (Hørsholm, 1991)
- 348 *Mespilus germanica* L. (Estonia, Luua, 1958)
- A 349 *Neillia sinensis* Oliv. (Moscow, 1961)
- 350 *Padus maackii* (Rupr.) Kom. (= *Prunus maackii* Rupr.) (Tartu, 1958)
- 351 *Padus serotina* (Ehrh.) Borkh. (= *Padus serotina* (Ehrh.) Borkh.) (Estonia, Järvselja, 1958)
- 352 *Padus virginiana* (L.) Mill. (= *Padus virginiana* (L.) M. Roem.) (Stockholm, 1999)
- 353 *Padus virginiana* (L.) Mill. (= *Padus virginiana* (L.) M. Roem.) cv. *Xanthocarpa*
- 354 *Photinia villosa* (Thunb.) DC. (Vancouver, 1959)
- 355 *Physocarpus amurensis* (Maxim.) Maxim. (København, 1958)
- 356 *Physocarpus capitatus* (Pursh) Kuntze (Bruxelles, 1957)
- 357 *Physocarpus opulifolius* (L.) Maxim. (Estonia, Tihemetsa, 1959)
- \* 358 *Physocarpus opulifolius* (L.) Maxim. var. *intermedius* (Rydb.) B.L. Rob. (Lisle, 1989)
- 359 *Physocarpus opulifolius* (L.) Maxim. cv. *Luteus* (Tartu, 1990)
- A 360 *Pyracantha coccinea* M. Roem (Berlin-Dahlem, 1957)
- + 361 *Rhaphiolepis umbellata* (Thunb.) Makino
- 362 *Rosa acicularis* Lindl. var. *nipponensis* (Crép.) Koehne (Kyoto, 1982)
- \* 363 *Rosa amblyotis* C.A. Mey. (*Insula Sachalin, Yuzhno-Sakhalinsk*, 1981)
- 364 *Rosa arvensis* Huds.
- \* 365 *Rosa blanda* Aiton (Philadelphia, 1983)
- 366 *Rosa caesia* Sm. (Stockholm, 1961)
- \* 367 *Rosa canina* L. (Liège, 1982)
- 368 *Rosa canina* L. cv. *Inermis* (Iași, 1984)
- 369 *Rosa carolina* L. var. *grandiflora* (Baker) Rehder (Glencoe, 1988)
- \* 370 *Rosa corymbifera* Borkh. (*Tianschan occidentalis, Chimgan*, 1981)
- 371 *Rosa davurica* Pall. (Vladivostok, 1980)
- \* 372 *Rosa deseglisei* Boreau (Villers-lès-Nancy, 1985)
- 373 *Rosa elegantula* Rolfe (Leiden, 1957)
- \* 374 *Rosa glauca* Pourr. (Salzburg, 2002)
- 375 *Rosa helenae* Rehder et E.H. Wilson (Ashgabat, 1957)
- 376 *Rosa* × *highdownensis* H.G.K. Hillier (Reading, 1971)
- 377 *Rosa jundzillii* Besser (Tübingen, 1985)

- 378 *Rosa* × *macrantha* hort. non N.H.F. Desp. (Kalmthout, 1961)
- \* 379 *Rosa maximowicziana* Regel (*Rossia extremiorientalis*, Shamora, 1980)
- \* 380 *Rosa micrantha* Borrer ex Sm. (Liège, 1982)
- 381 *Rosa multiflora* Thunb. ex Murray (Koshigaya, 1983)
- 382 *Rosa nitida* Willd. (Helsinki, 1992)
- 383 *Rosa nitidula* Besser
- 384 *Rosa obtusifolia* Desv. (Stockholm, 1963)
- 385 *Rosa palustris* Marshall (Philadelphia, 1983)
- 386 *Rosa rubiginosa* L.
- 387 *Rosa setipoda* Hemsl. et E.H. Wilson (Helsinki, 1960)
- 388 *Rosa stylosa* Desv. (Düsseldorf, 1996)
- \* 389 *Rosa subcollina* (H. Christ) R. Keller (Liège, 1987)
- 390 *Rosa sweginzowii* Koehne (Kalmthout, 1961)
- 391 *Rosa turcica* Rouy (Amsterdam, 1958)
- 392 *Rosa virginiana* Mill. (Strasbourg, 1996)
- \* 393 *Rosa vosagiaca* Desp. (Hamburg, 1986)
- 394 *Rubus crataegifolius* Bunge (Estonia, Rae, 1978)
- 395 *Rubus idaeus* L. f. *chlorocarpus* Krause (Turku, 2000)
- 396 *Rubus occidentalis* L. (South Hadley, 1997)
- \* 397 *Rubus odoratus* L. (Montréal, 1970)
- 398 *Rubus parviflorus* Nutt. (Estonia, Tihemetsa, 1965)
- \* 399 *Rubus parvifolius* L. (*Insulae Kurilenses*, Kunashiri, 1982)
- 400 *Sanguisorba hakusanensis* Makino (Northampton, 1995)
- 401 *Sibiraea angustata* Rehder (Praha, 2005)
- \* 402 *Sorbaria sorbifolia* (L.) A. Braun (*Rossia extremiorientalis*, Svetlaya, 1977)
- 403 *Sorbus alnifolia* (Siebold et Zucc.) K. Koch var. *submollis* Rehder (Nayoro, 1969)
- \* 404 *Sorbus americana* Marshall (Montréal, 1957)
- \* 405 *Sorbus amurensis* Koehne (*Rossia extremiorientalis*, Mt. Khualaza, 1961)
- 406 *Sorbus anglica* Hedl. (Briston, 2003)
- 407 *Sorbus* cv. Apricot Queen (Tallinn, 2002)
- \* 408 *Sorbus aria* (L.) Crantz (Klagenfurt, 1978)
- A 409 *Sorbus aucuparia* L. cv. Edulis (Estonia, Hiiumaa, 1980)
- 410 *Sorbus aucuparia* L. cv. Saharnaja (Tallinn, 2000)
- A\* 411 *Sorbus chamaemespilus* (L.) Crantz (Salzburg, 1987)
- 412 *Sorbus* cv. Chinense Lace (Tallinn, 1998)
- 413 *Sorbus commixta* Hedl. (Sapporo, 1967)
- 414 *Sorbus decora* (Sarg.) C.K. Schneid. (Philadelphia, 1975)
- 415 *Sorbus* × *hybrida* L. (Oulu, 1966)
- 416 *Sorbus intermedia* (Ehrh.) Pers.
- 417 *Sorbus* cv. Joseph Rock (Hørsholm, 1991)
- A 418 *Sorbus koehneana* C.K. Schneid. (Minsk, 1985)
- 419 *Sorbus* cv. Kristen Pink (Tallinn, 2001)
- 420 *Sorbus latifolia* (Lam.) Pers.
- 421 *Sorbus mougeotii* Soy.-Will. (Stockholm, 1958)
- 422 *Sorbus* cv. Nova (Tallinn, 2002)
- 423 *Sorbus pohuashanensis* (Hance) Hedl. (Hørsholm, 1991)
- A\* 424 *Sorbus sambucifolia* (Cham. et Schltld.) M. Roem. (*Rossia extremiorientalis*, Sovetskaya Gavan', 1967)

- \* 425 *Sorbus sambucifolia* (Cham. et Schltl.) M. Roem. (*Rossia extremiorientalis*, *Sovetskaya Gavan'*, 1967)
- A 426 *Sorbus setschwanensis* (C.K. Schneid.) Koehne (Rogów, 2002)
- 427 *Sorbus* cv. Ullung (Hørsholm, 1991)
- 428 *Sorbus wilfordii* Koehne (Estonia, Luua, 1985)
- \* 429 *Spiraea alba* Du Roi (Montréal, 1983)
- 430 *Spiraea japonica* L. f. cv. Albiflora (Warszawa, 1974)
- 431 *Spiraea japonica* L. f. cv. Bumalda (Warszawa, 1974)
- 432 *Spiraea japonica* L. f. cv. Froebelii
- 433 *Spiraea japonica* L. f. var. *glabra* (Regel) Koidz. (Kanazawa, 1969)
- 434 *Spiraea japonica* L. f. cv. Little Princess (Salaspils, 1962)
- 435 *Spiraea* × *margaritae* Zabel (Genève, 1965)
- \* 436 *Spiraea miyabei* Koidz. (Helsinki, 1994)
- 437 *Spiraea rosthornii* Pritz. (Moscow, 1975)
- \* 438 *Spiraea salicifolia* L. (*Rossia extremiorientalis*, Lazo, 1977)
- Rubiaceae**
- + 439 *Psychotria punctata* Vatke (Düsseldorf, 2001)
- Rutaceae**
- A 440 *Orixa japonica* Thunb.
- 441 *Phellodendron amurense* Rupr.
- 442 *Phellodendron chinense* C.K. Schneid. (Boyce, 1996)
- 443 *Phellodendron lavalleyi* Dode (Coimbra, 1966)
- A 444 *Phellodendron lavalleyi* Dode (Estonia, Luua, 1957)
- \* 445 *Phellodendron sachalinense* (F. Schmidt) Sarg. (*Insula Sachalin*, *Yuzhno-Sakhalinsk*, 1962)
- 446 *Ptelea trifoliata* L.
- 447 *Ruta graveolens* L.
- Saxifragaceae**
- 448 *Saxifraga corymbosa* Boiss. (Marburg, 1997)
- 449 *Saxifraga manschuriensis* Kom. (Moscow, 1982)
- Schisandraceae**
- \* 450 *Schisandra chinensis* (Turcz.) Baill. (*Rossia extremiorientalis*, *Mt. Khualaza*, 1961)
- Scrophulariaceae**
- + 451 *Tetranema roseum* (M. Martens et Galeotti) Standl. et Steyerm.
- 452 *Veronica gentianoides* Vahl (Kirovsk, 1982)
- 453 *Veronicastrum sachalinense* (Borissova) T. Yamaz. (Graz, 2004)
- 454 *Veronicastrum virginicum* (L.) Farw. var. *sibiricum* (L.) B. Boivin (Innsbruck, 1996)
- Solanaceae**
- 455 *Nicotiana langsdorffii* Weinm. cv. Lemon Tree
- 456 *Nicotiana* × *sanderæ* hort. Sander ex W. Watson cv. Lime Green
- \* 457 *Scopolia carniolica* Jacq. (Ljubljana, 2004)
- Staphyleaceae**
- 458 *Staphylea bumalda* DC. (Sapporo, 1967)
- 459 *Staphylea pinnata* L. (Rogów, 1973)
- \* 460 *Staphylea trifolia* L. (East Lansing, 1989)

**Thymelaeaceae**

461 *Daphne alpina* L. (Dresden, 2005)

**Tiliaceae**

\* 462 *Tilia cordata* Mill. (Estonia, Puhtu, 2000)

463 *Tilia* × *euchlora* K. Koch (Estonia, Järvselja, 1958)

464 *Tilia japonica* (Miq.) Simonk. (Kyoto, 1974)

465 *Tilia platyphyllos* Scop. subsp. *cordifolia* (Besser) C.K. Schneid. (Estonia, Harku, 1964)

466 *Tilia platyphyllos* Scop. cv. *Rubra*

467 *Tilia platyphyllos* Scop. cv. *Vitifolia* (Århus, 1972)

\* 468 *Tilia tomentosa* Moench. (*Moldavia, prope Chişinău*, 1981)

A\* 469 *Tilia tomentosa* Moench. (*Moldavia, prope Chişinău*, 1981)

**Turneraceae**

+ 470 *Turnera ulmifolia* L.

**Verbenaceae**

+ 471 *Clerodendrum speciosissimum* Van Geert ex Morren (Dresden, 1997)

+\* 472 *Stachytarpheta jamaicensis* (L.) Vahl (*Insula Mauritiana*, 2003)

**Monocotyledoneae****Alliaceae**

473 *Allium falcifolium* Hook. et Arn. (Latvia, Rozula, 2008)

\* 474 *Allium gooddingii* Ownbey (Göteborg, 1999)

475 *Allium hymenorrhizum* Ledeb. (Leipzig, 1997)

\* 476 *Allium karataviense* Regel subsp. *henrikii* Ruksans (Salaspils, 1998)

477 *Allium kharputense* Freyn et Sint. (Salaspils, 2003)

478 *Allium obliquum* L.

479 *Allium orientale* Boiss. (Jena, 1995)

480 *Allium pskemense* B. Fedtsch. (Gabsiai, 2002)

481 *Allium validum* S. Watson (Wien, 1996)

482 *Triteleia hyacinthina* (Lindl.) Greene

483 *Triteleia peduncularis* Lindl. (Berkeley, 2000)

**Amaryllidaceae**

484 *Galanthus platyphyllus* Traub et Moldenke (Lviv, 1978)

\* 485 *Galanthus plicatus* M. Bieb. (*Tauria, Mt. Ai-Petri*, 1965)

**Anthericaceae**

+ 486 *Arthropodium cirrhatum* (G. Forst.) R. Br.

**Araceae**

+ 487 *Anthurium bakeri* Hook. f. (Montréal, 1961)

+ 488 *Anthurium scandens* (Aubl.) Engl. var. *ovalifolium* Engl.

**Arecaceae**

+ 489 *Chamaerops humilis* L. (Barcelona, 1979)

+ 490 *Serenoa repens* (W. Bartram) Small (Bogor, 1997)

**Asphodelaceae**

491 *Eremurus robustus* (Regel) Regel (Estonia, Tamsa, 2007)

492 *Eremurus stenophyllus* (Boiss. et Buhse) Baker (Lublin, 2003)



**Bromeliaceae**

- + 493 *Puya mirabilis* (Mez) L.B. Sm. (Gent, 1976)

**Colchicaceae**

- 494 *Bulbocodium vernum* L.  
495 *Colchicum szovitsii* Fisch. et C.A. Mey. (Salaspils, 2001)

**Commelinaceae**

- + 496 *Palisota barberi* Hook. f.  
+ 497 *Tradescantia sillamontana* Matuda (Salaspils, 1980)  
+ 498 *Tradescantia spathacea* Sw.

**Costaceae**

- + 499 *Costus speciosus* (J. König) Sm. (Köln, 1971)

**Cyperaceae**

- + 500 *Kyllinga monocephala* Rottb. (Stockholm, 1972)

**Dracaenaceae**

- + 501 *Cordyline banksii* Hook. f. (Christchurch, 1989)  
+ 502 *Cordyline fruticosa* (L.) A. Chev.

**Heliconiaceae**

- + 503 *Heliconia stricta* Huber (Göteborg, 2003)

**Hyacinthaceae**

- 504 *Muscari latifolium* J. Kirk (Leipzig, 1974)  
505 *Ornithogalum sintenisii* Freyn (Salaspils, 1987)  
506 *Scilla ingridiae* Speta (Latvia, Rozula, 2002)  
507 *Scilla rosenii* K. Koch

**Iridaceae**

- \* 508 *Crocus abantensis* T. Baytop et B. Mathew (Latvia, Rozula, 2008)  
+ 509 *Iris foetidissima* L. (Samoëns, 2010)

**Liliaceae**

- 510 *Erythronium caucasicum* Woronow (Stavropol, 1964)  
\* 511 *Erythronium dens-canis* L. (*Carpates orientales*, Lipcha, 1977)  
512 *Erythronium sibiricum* (Fisch. et C.A. Mey.) Krylov (St. Petersburg, 1983)  
513 *Erythronium sibiricum* (Fisch. et C.A. Mey.) Krylov subsp. *altaicum* Ruksans (Estonia, Tamsa, 2004)  
\* 514 *Fritillaria affinis* (Schult. et Schult. f.) Sealy (Göteborg, 1993)  
\* 515 *Fritillaria armena* Boiss. (Praha, 2002)  
516 *Fritillaria gussichiae* (Degen et Dörf.) Rix (Würzburg, 2005)  
517 *Fritillaria meleagroides* Patrin ex Schult. f.  
518 *Fritillaria pallidiflora* Schrenk  
519 *Fritillaria ruthenica* Wikstr.  
520 *Fritillaria tubiformis* Gren. et Godr. (Oslo, 1993)  
521 *Fritillaria ussuriensis* Maxim. (Moscow, 2001)  
522 *Tulipa neustruevae* Pobed. (München, 2001)  
523 *Tulipa patens* C. Agardh ex Schult. f. (Zhezkazgan, 1998)

**Philesiaceae**

- +\* 524 *Eustrephus latifolius* R. Br. (Australiana, 2003)

**Phormiaceae**

- + 525 *Phormium tenax* J.R. Forst. et G. Forst. (Lisboa, 1994)

**Poaceae**

- 526 *Eleusine coracana* (L.) Gaertn. (Rennes, 2014)  
 527 *Eleusine coracana* (L.) Gaertn. cv. Green Cat  
 528 *Panicum miliaceum* L. (Rennes, 2014)  
 529 *Pennisetum violaceum* (Lam.) Rich. (Milano, 2014)  
 530 *Setaria italica* (L.) P. Beauv. cv. Longiseta (Stuttgart-Hohenheim, 2012)  
 531 *Setaria italica* (L.) P. Beauv. cv. Maxima (Stuttgart-Hohenheim, 2012)  
 532 *Setaria pumila* (Poir.) Schult. (Dijon, 2012)  
 533 *Setaria verticillata* (L.) P. Beauv. (Jibou, 2014)  
 534 *Sorghum bicolor* (L.) Moench (Leipzig, 2014)

**Zingiberaceae**

- + 535 *Hedychium coccineum* Buch.-Ham. (Jena, 1972)

**Trilliaceae**

- 536 *Trillium grandiflorum* (Michx.) Salisb.

*Seminum collectores:* Anu Birnbaum, Helle Dikker, Anne Jaakson, Jaana Jagomägi, Jaan Mettik, Ly Mik, Ave Visnapuu, Tiia Jaanus, Mari Seidelberg, Heli Russak, Krista Kirotar, Mare Raidma, Sille Janson, Anu Kaur, Ain Vammus, Marju Zirk

## II *Semina et sporae plantarum spontaneorum in diversis regionibus Estoniae collecta*

### PTERIDOPHYTA

#### *Dryopteridaceae*

- 537 *Dryopteris carthusiana* (Vill.) H.P. Fuchs – transitional bog pine (*Pinus sylvestris*) forest (*Vaccinio myrtilli–Pinetum*), Kloostrimetsa, Tallinn, N Estonia 59°28'23" N 024°53'27" E 21.07.2014 OA
- 538 *Dryopteris filix-mas* (L.) Schott – old limestone quarry, Mäeküla, Tallinn, N Estonia 59°23'48" N 024°37'40" E 07.08.2014 OA

### SPERMATOPHYTA

#### GYMNOSPERMAE

#### *Cupressaceae*

- 539 *Juniperus communis* L. – fresh alvar grassland (*Carici flaccae–Seslerietum*), Osmussaare / Odensholm, Osmussaare Island, NW Estonia 59°16'55" N 023°24'15" E 28.08.2014 AK, MR

#### ANGIOSPERMAE

#### *Dicotyledoneae*

#### *Apiaceae*

- 540 *Aegopodium podagraria* L. – dry boreal *Vaccinium vitis-idaea* oak–pine (*Quercus robur–Pinus sylvestris*) forest (*Vaccinio vitis-idaeo–Quercu–Pinetum*), Kloostrimetsa, Tallinn, N Estonia 59°28'10" N 024°52'51" E 05.09.2014 MR
- 541 *Anthriscus sylvestris* (L.) Hoffm. – dry boreal grassland (*Festuco rubrae–Agrostietum capillaris*), Kloostrimetsa, Tallinn, N Estonia 59°28'23" N 024°53'37" E 21.07.2014 OA
- 542 *Carum carvi* L. – roadside, Anelema, Pärnu County, SW Estonia 58°37'21" N 024°33'30" E 30.08.2014 SJ
- 543 *Cicuta virosa* L. – pond shore, Kloostrimetsa, Tallinn, N Estonia 59°28'04" N 024°52'41" E 04.09.2014 MR
- 544 *Daucus carota* L. – dry alvar grassland (*Trifolio montani–Filipenduletum vulgaris*), Aandu Rapla County, NW Estonia 59°09'25" N 024°44'42" E 14.12.2014 UL
- 545 *Libanotis montana* Crantz – old limestone quarry, Paevälja, Tallinn, N Estonia 59°27'03" N 024°48'48" E 14.08.2014 KK
- 546 *Pastinaca sativa* L. subsp. *sylvestris* (Mill.) Rouy et Camus – old limestone quarry, Paevälja, Tallinn, N Estonia 59°27'03" N 024°48'50" E 14.08.2014 KK
- 547 *Torilis japonica* (Houtt.) DC. – old limestone quarry, Paevälja, Tallinn, N Estonia 59°27'04" N 024°48'49" E 14.08.2014 KK

**Asteraceae**

- 548 *Achillea millefolium* L. – wasteland, Kalaranna, Tallinn, N Estonia 59°27'09" N 024°44'12" E 20.08.2014 MR
- 549 *Anthemis tinctoria* L. – old limestone quarry, Paevälja, Tallinn, N Estonia 59°27'03" N 024°48'54" E 14.08.2014 KK, MR
- 550 *Chamomilla suaveolens* (Pursh) Rydb. – naturalized, arboretum, Kloostrimetsa, Tallinn, N Estonia 59°27'55" N 024°53'12" E 11.08.2014 MR
- 551 *Conyza canadensis* (L.) Cronquist – naturalized, arboretum, Kloostrimetsa, Tallinn, N Estonia 59°28'08" N 024°52'47" E 01.08.2014 MR
- 552 *Echinops sphaerocephalus* L. – naturalized, Mõigu Manor Park, Järveküla, Harju County, N Estonia 59°23'25" N 024°47'29" E 16.10.2014 OA, KK
- 553 *Erigeron acer* L. – roadside, Kloostrimetsa, Tallinn, N Estonia 59°28'02" N 024°51'43" E 24.07.2014 MR
- 554 *Hieracium umbellatum* L. – gray dune (*Galio veri–Thymetum*), Pelgurand, Tallinn, N Estonia 59°26'39" N 024°41'05" E 03.09.2014 MR
- 555 *Hieracium umbellatum* L. – old limestone quarry, Paevälja, Tallinn, N Estonia 59°27'02" N 024°48'59" E 14.08.2014 KK, MR
- 556 *Hypochaeris maculata* L. – dry boreal *Vaccinium vitis-idaea* pine (*Pinus sylvestris*) forest (*Vaccinio vitis-idaeo–Pinetum*), Kloostrimetsa, Tallinn, N Estonia 59°28'11" N 024°52'20" E 24.07.2014 MR
- 557 *Lactuca serriola* L. – naturalized, old limestone quarry, Paevälja, Tallinn, N Estonia 59°27'03" N 024°48'48" E 14.08.2014 KK
- 558 *Lapsana communis* L. – dry boreal *Vaccinium vitis-idaea* oak–pine (*Quercus robur–Pinus sylvestris*) forest (*Vaccinio vitis-idaeo–Quercu–Pinetum*), Kloostrimetsa, Tallinn, N Estonia 59°28'13" N 024°52'53" E 05.08.2014 MR
- 559 *Matricaria perforata* Mérat – arboretum, Kloostrimetsa, Tallinn, N Estonia 59°27'55" N 024°53'12" E 23.07.2014 MR
- 560 *Mycelis muralis* (L.) Dumort. – roadside, Kloostrimetsa, Tallinn, N Estonia 59°28'11" N 024°52'28" E 11.08.2014 MR
- 561 *Senecio jacobae* L. – old limestone quarry, Mäeküla, Tallinn, N Estonia 59°23'49" N 024°37'40" E 07.08.2014 OA
- 562 *Senecio viscosus* L. – wasteland, Astangu, Tallinn, N Estonia 59°24'16" N 024°36'58" E 07.08.2014 KK, MR
- 563 *Sonchus asper* (L.) Hill – arboretum, Kloostrimetsa, Tallinn, N Estonia 59°28'09" N 024°52'55" E 01.08.2014 MR
- 564 *Tanacetum vulgare* L. – wasteland, Kalaranna, Tallinn, N Estonia 59°26'48" N 024°44'51" E 20.08.2014 MR
- 565 *Tragopogon pratensis* L. – wasteland, Kalaranna, Tallinn, N Estonia 59°26'44" N 024°44'54" E 27.07.2014 MR
- 566 *Tussilago farfara* L. – roadside, Uusküla, Harju County, N Estonia 59°28'59" N 025°00'25" E 15.05.2014 SJ

**Balsaminaceae**

- 567 *Impatiens noli-tangere* L. – roadside, Kloostrimetsa, Tallinn, N Estonia 59°28'14" N 024°52'39" E 21.07.2014 MR

**Berberidaceae**

- 568 *Berberis vulgaris* L. – alvar *Arctostaphylos* pine (*Pinus sylvestris*) forest (*Arctostaphylo–Pinetum*), Kõrvetaguse, Rapla County, NW Estonia 58°58'47" N 024°34'58" E 03.09.2014 SJ
- 569 *Berberis vulgaris* L. – dry alvar grassland (*Trifolium montani–Filipenduletum vulgaris*), Paldiski, Harju County, NW Estonia 59°22'23" N 024°02'29" E 10.09.2014 SJ
- 570 *Berberis vulgaris* L. – roadside, Anelema, Pärnu County, SW Estonia 58°37'52" N 024°34'01" E 27.09.2014 SJ

**Betulaceae**

- 571 *Betula nana* L. – rich fen (*Caricetum appropinquatae-cespitosae*), Suursoo, Harju County, N Estonia 59°17'38" N 025°06'12" E 03.09.2014 SJ
- 572 *Betula pendula* Roth – fresh alvar *Calamagrostis* birch (*Betula pendula*) forest (*Calamagrostio–Betuletum*), Anelema, Pärnu County, SW Estonia 58°37'50" N 024°34'17" E 20.09.2014 SJ

**Boraginaceae**

- 573 *Echium vulgare* L. – roadside, Paldiski, Harju County, NW Estonia 59°21'34" N 024°02'57" E 10.09.2014 MR

**Brassicaceae**

- 574 *Arabis hirsuta* (L.) Scop. – pebbly seashore, Osmussaare / Odensholm, Osmussaare Island, NW Estonia 59°18'13" N 023°21'55" E 28.08.2014 MR
- 575 *Arabis hirsuta* (L.) Scop. – old limestone quarry, Paevälja, Tallinn, N Estonia 59°27'04" N 024°48'56" E 14.08.2014 MR
- 576 *Barbarea vulgaris* R. Br. subsp. *arcuata* (Opiz ex J. Presl et C. Presl) M. Loehr – old limestone quarry, Paevälja, Tallinn, N Estonia 59°27'06" N 024°48'49" E 14.08.2014 MR
- 577 *Berteroa incana* (L.) DC. – roadside, Lükati, Tallinn, N Estonia 59°27'39" N 024°51'17" E 11.08.2014 MR
- 578 *Capsella bursa-pastoris* (L.) Medik. – wasteland, Sitsi, Tallinn, N Estonia 59°26'47" N 024°42'04" E 08.06.2014 MR
- 579 *Cardamine impatiens* L. – railway, Metsakasti, Harju County, N Estonia 59°29'27" N 024°53'20" E 17.06.2014 OA
- 580 *Crambe maritima* L. – sandy seashore, Keibu, Harju County, NW Estonia 59°16'10" N 023°43'54" E 10.09.2014 SJ, MR
- 581 *Descurainia sophia* (L.) Webb ex Prantl – roadside, Sitsi, Tallinn, N Estonia 59°26'64" N 024°42'21" E 02.08.2014 MR
- 582 *Erophila verna* (L.) Chevall. – arboretum, Kloostrimetsa, Tallinn, N Estonia 59°28'04" N 024°52'46" E 27.05.2014 MR
- 583 *Erucastrum gallicum* (Willd.) O.E. Schulz – naturalized, wasteland, Astangu, Tallinn, N Estonia 59°24'16" N 024°36'58" E 07.08.2014 MR
- 584 *Erysimum cheiranthoides* L. – wasteland, Astangu, Tallinn, N Estonia 59°24'16" N 024°36'58" E 07.08.2014 OA
- 585 *Sisymbrium altissimum* L. – naturalized, wasteland, Astangu, Tallinn, N Estonia 59°24'16" N 024°36'58" E 07.08.2014 KK
- 586 *Sisymbrium officinale* (L.) Scop. – wasteland, Astangu, Tallinn, N Estonia 59°24'16" N 024°36'58" E 07.08.2014 KK

- 587 *Sisymbrium officinale* (L.) Scop. – roadside, Karjamaa, Tallinn, N Estonia  
59°27'11" N 024°42'42" E 29.07.2014 MR
- 588 *Thlaspi arvense* L. – old limestone quarry, Paevälja, Tallinn, N Estonia  
59°27'10" N 024°48'55" E 14.08.2014 MR
- 589 *Thlaspi arvense* L. – arboretum, Kloostrimetsa, Tallinn, N Estonia 59°28'04" N  
024°52'43" E 13.09.2014 MR

### **Campanulaceae**

- 590 *Campanula rapunculoides* L. – old limestone quarry, Paevälja, Tallinn, N Estonia  
59°27'03" N 024°48'50" E 14.08.2014 OA, MR
- 591 *Campanula trachelium* L. – grove, Maarjamäe, Tallinn, N Estonia 59°27'01" N  
024°48'27" E 02.09.2014 OA

### **Caprifoliaceae**

- 592 *Lonicera nigra* L. – naturalized, *Vaccinium myrtillus* drained peatland pine (*Pinus sylvestris*) forest, Kloostrimetsa, Tallinn, N Estonia 59°28'09" N 024°53'25" E  
OA, KK
- 593 *Sambucus racemosa* L. – naturalized, old limestone quarry, Paevälja, Tallinn,  
N Estonia 59°27'05" N 024°48'59" E 14.08.2014 KK, MR
- 594 *Sambucus racemosa* L. – naturalized, roadside, Valgeranna, Pärnu County,  
SW Estonia 58°23'12" N 024°22'04" E 27.07.2014 SJ
- 595 *Viburnum opulus* L. – *Arctostaphylos* juniper shrubland (*Arctostaphylo-  
Juniperetum*), Osmussaare / Odensholm, Osmussaare Island, NW Estonia  
59°17'22" N 023°24'03" E 28.08.2014 AK

### **Caryophyllaceae**

- 596 *Arenaria serpyllifolia* L. – arboretum, Kloostrimetsa, Tallinn, N Estonia  
59°28'00" N 024°52'42" E 13.08.2014 MR
- 597 *Honckenia peploides* (L.) Ehrh. – gray dune (*Galio very-Thymetum*), Peraküla,  
Lääne County, NW Estonia 59°13'16" N 023°36'02" E 27.08.2014 AK, MR
- 598 *Silene alba* (Mill.) E.H.L. Krause – roadside, Kloostrimetsa, Tallinn, N Estonia  
59°28'09" N 024°52'39" E 15.07.2014 MR
- 599 *Silene nutans* L. – old limestone quarry, Paevälja, Tallinn, N Estonia 59°27'03" N  
024°48'59" E 14.08.2014 OA, KK

### **Chenopodiaceae**

- 600 *Atriplex litoralis* L. – pebbly seashore, Dirhami / Derhamn, Lääne County,  
NW Estonia 59°12'36" N 023°29'55" E 28.08.2014 MR

### **Cistaceae**

- 601 *Helianthemum nummularium* (L.) Mill. non Grosser – old limestone quarry,  
Paevälja, Tallinn, N Estonia 59°27'09" N 024°49'00" E 14.08.2014 KK, MR

### **Convolvulaceae**

- 602 *Calystegia sepium* (L.) R. Br. – floodplain alder (*Alnus incana*) forest (*Humulo-  
Alnetum incanae*), Kloostrimetsa, Tallinn, N Estonia 59°28'02" N 024°52'33" E  
16.09.2014 MR

### **Crassulaceae**

- 603 *Sedum maximum* (L.) Hoffm. – dry boreal grassland (*Deschampsietum  
flexuosae*), Kloostrimetsa, Tallinn, N Estonia 59°28'13" N 024°52'50"  
12.09.2014 MR

**Ericaceae**

- 604 *Arctostaphylos uva-ursi* (L.) Spreng. – dry alvar *Arctostaphylos* pine (*Pinus sylvestris*) forest (*Arctostaphylo–Pinetum*), Keibu, Harju County, NW Estonia 59°16'04" N 023°43'54" E 03.09.2014 SJ
- 605 *Arctostaphylos uva-ursi* (L.) Spreng. – dry alvar *Arctostaphylos* pine (*Pinus sylvestris*) forest (*Arctostaphylo–Pinetum*), Keibu, Harju County, NW Estonia 59°15'55" N 023°43'55" E 01.09.2014 SJ
- 606 *Arctostaphylos uva-ursi* (L.) Spreng. – dry boreal *Vaccinium vitis-idaea* pine (*Pinus sylvestris*) forest (*Vaccinio vitis-idaeo–Pinetum*), Kõnnu, Harju County, N Estonia 59°30'32" N 025°40'25" E 18.09.2014 OA
- 607 *Vaccinium myrtillus* L. – dry boreal *Vaccinium vitis-idaea* pine (*Pinus sylvestris*) forest (*Vaccinio vitis-idaeo–Pinetum*), Kuusalu, Harju County, N Estonia 59°26'32" N 025°26'01" E 28.07.2014 HR
- 608 *Vaccinium vitis-idaea* L. – dry boreal *Vaccinium vitis-idaea* pine (*Pinus sylvestris*) forest (*Vaccinio vitis-idaeo–Pinetum*), Peraküla, Lääne County, NW Estonia 59°13'05" N 023°36'13" E 27.08.2014 MR
- 609 *Vaccinium vitis-idaea* L. – dry alvar *Arctostaphylos* pine (*Pinus sylvestris*) forest (*Arctostaphylo–Pinetum*), Kõrvetaguse, Rapla County, NW Estonia 58°58'46" N 024°34'58" E 03.09.2014 SJ

**Fabaceae**

- 610 *Galega orientalis* Lam. – naturalized, roadside, Lükati, Tallinn, N Estonia 59°27'32" N 024°51'04" E 19.08.2014 MR
- 611 *Lathyrus pratensis* L. – wasteland, Vismeistri, Tallinn, N Estonia 59°26'37" N 024°36'20" E 27.07.2014 OA, KK
- 612 *Lotus corniculatus* L. s.str. – roadside, Maarjamäe, Tallinn, N Estonia 59°27'11" N 024°48'30" E 14.08.2014 MR
- 613 *Medicago falcata* L. – old limestone quarry, Paevälja, Tallinn, N Estonia 59°27'03" N 024°48'58" E 14.08.2014 KK
- 614 *Medicago lupulina* L. – old limestone quarry, Mäeküla, Tallinn, N Estonia 59°23'48" N 024°37'40" E 07.08.2014 MR
- 615 *Melilotus albus* Medik. – wasteland, Kalaranna, Tallinn, N Estonia 59°26'48" N 024°44'51" E 20.08.2014 MR
- 616 *Melilotus officinalis* (L.) Lam. – roadside, Kalaranna, Tallinn, N Estonia 59°26'42" N 024°45'19" E 20.08.2014 MR
- 617 *Trifolium arvense* L. – roadside, Kloostrimetsa, Tallinn, N Estonia 59°28'02" N 024°52'14" E 11.08.2014 MR
- 618 *Vicia cracca* L. – arboretum, Kloostrimetsa, Tallinn, N Estonia 59°28'04" N 024°52'41" E 31.08.2014 MR
- 619 *Vicia hirsuta* (L.) Gray – wasteland, Vismeistri, Tallinn, N Estonia 59°26'38" N 024°36'21" E 29.07.2014 OA
- 620 *Vicia tetrasperma* (L.) Schreb. – wasteland, Vismeistri, Tallinn, N Estonia 59°26'38" N 024°36'21" E 29.07.2014 OA

**Fumariaceae**

- 621 *Corydalis solida* (L.) Clairv. – dry boreal *Vaccinium vitis-idaea* oak–pine (*Quercus robur–Pinus sylvestris*) forest (*Vaccinio vitis-idaeo–Quercu–Pinetum*), Kloostrimetsa, Tallinn, N Estonia 59°28'14" N 024°52'51" E 19.05.2014 MR

- 622 *Corydalis solida* (L.) Clairv. – arboretum, Kloostrimetsa, Tallinn, N Estonia  
59°27'58" N 024°53'06" E 19.05.2014 MR

#### **Grossulariaceae**

- 623 *Ribes alpinum* L. – fresh alvar grassland (*Carici flacca*–*Seslerietum*),  
Osmussaare / Odensholm, Osmussaare Island, NW Estonia 59°16'55" N  
023°24'15" E 28.08.2014 AK
- 624 *Ribes alpinum* L. – dry boreal *Vaccinium vitis-idaea* pine (*Pinus sylvestris*) forest  
(*Vaccinio vitis-idaeo*–*Pinetum*), Kloostrimetsa, Tallinn, N Estonia 59°27'43" N  
024°51'54" E 11.08.2014 MR

#### **Lamiaceae**

- 625 *Acinos arvensis* (Lam.) Dandy – old limestone quarry, Mäeküla, Tallinn, N Estonia  
59°27'03" N 024°48'52" E 14.08.2014 KK
- 626 *Prunella vulgaris* L. – roadside, Astangu, Astangu, Tallinn, N Estonia 59°23'58" N  
024°37'49" E 07.08.2014 MR

#### **Onagraceae**

- 627 *Oenothera biennis* L. – naturalized, dry boreal *Vaccinium vitis-idaea* oak–pine  
(*Quercus robur*–*Pinus sylvestris*) forest (*Vaccinio vitis-idaeo*–*Quercu*–*Pinetum*),  
Kloostrimetsa, Tallinn, N Estonia 59°28'14" N 024°52'43" E 22.09.2014 MR

#### **Papaveraceae**

- 628 *Chelidonium majus* L. – dry boreal *Vaccinium vitis-idaea* oak–pine (*Quercus  
robur*–*Pinus sylvestris*) forest (*Vaccinio vitis-idaeo*–*Quercu*–*Pinetum*),  
Kloostrimetsa, Tallinn, N Estonia 59°28'11" N 024°52'53" E 11.07.2014 MR
- 629 *Papaver monanthum* Trautv. – naturalized, arboretum, Kloostrimetsa, Tallinn,  
N Estonia 59°28'10" N 024°52'41" E 09.06.2014 MR

#### **Parnassiaceae**

- 630 *Parnassia palustris* L. – rich fen (*Primulo*–*Seslerietum*), Osmussaare /  
Odensholm, Osmussaare Island, NW Estonia 59°17'07" N 023°24'14" E  
28.08.2014 OA

#### **Polygonaceae**

- 631 *Rumex crispus* L. – roadside, Osmussaare / Odensholm, Osmussaare Island,  
NW Estonia 59°17'48" N 023°23'03" E 28.08.2014 MR
- 632 *Rumex crispus* L. – wasteland, Astangu, Tallinn, N Estonia 59°24'16" N  
024°36'58" E 08.08.2014 KK
- 633 *Rumex crispus* L. – pebbly seashore, Keibu, Harju County, NW Estonia  
59°16'04" N 023°43'52" E 10.09.2014 SJ, MR
- 634 *Rumex longifolius* DC. – wasteland, Vismeistri, Tallinn, N Estonia 59°26'18" N  
024°36'23" E 23.07.2014 OA

#### **Primulaceae**

- 635 *Primula farinosa* L. – rich fen (*Primulo*–*Seslerietum*), Osmussaare / Odensholm,  
Osmussaare Island, NW Estonia 59°17'07" N 023°24'13" E 28.08.2014 OA
- 636 *Primula veris* L. – rich paludified *Filipendula* aspen (*Populus tremula*) forest  
(*Filipendulo*–*Populetum*), Kohatu, Rapla County, NW Estonia 59°00'51" N  
024°16'03" E 03.09.2014 SJ
- 637 *Primula veris* L. – fresh boreo-nemoral grassland (*Carici pallescentis*–  
*Scorzoneretum*) Raveliku, Harju County, N Estonia 59°18'14" N 025°06'57" E  
08.08.2014 IM



**Ranunculaceae**

- 638 *Aquilegia vulgaris* L. – dry alvar grassland (*Trifolio montani–Filipenduletum vulgaris*), Anelema, Pärnu County, SW Estonia 58°37'50" N 024°34'18" E 30.08.2014 SJ
- 639 *Pulsatilla pratensis* (L.) Mill. – dry boreal grassland (*Deschampsietum flexuosae*), Kloostrimetsa, Tallinn, N Estonia 59°28'13" N 024°52'50" E 03.07.2014 MR
- 640 *Pulsatilla pratensis* (L.) Mill. – dry boreal grassland (*Deschampsietum flexuosae*), Kloostrimetsa, Tallinn, N Estonia 59°28'58" N 024°52'52" E 03.07.2014 SJ
- 641 *Ranunculus bulbosus* L. – old limestone quarry, Paevälja, Tallinn, N Estonia 59°27'11" N 024°48'56" E 02.08.2014 OA, MR

**Rhamnaceae**

- 642 *Frangula alnus* Mill. – *Arctostaphylos* juniper shrubland (*Arctostaphylo–Juniperetum*), Osmussaare / Odensholm, Osmussaare Island, NW Estonia 59°17'11" N 023°24'14" E 28.08.2014 AK

**Rosaceae**

- 643 *Agrimonia eupatoria* L. – rich paludified grassland (*Deschampsio–Ranunculetum acris*), Saare küla / Lyckholm, Lääne County, W Estonia 59°01'45" N 023°34'25" E 29.08.2014 29.08.2014 MR
- 644 *Agrimonia eupatoria* L. – fresh alvar *Calamagrostis* pine (*Pinus sylvestris*) forest (*Calamagrostio–Pinetum*), Aandu, Rapla County, NW Estonia 59°09'35" N 024°44'48" E 01.11.2014 UL
- 645 *Cotoneaster rannensis* B. Hylmö et J. Fryer – dry alvar grassland (*Trifolio montani–Filipenduletum vulgaris*), Paevälja, Tallinn, N Estonia 59°27'13" N 024°48'55" E 02.09.2014 MR
- 646 *Filipendula vulgaris* Moench – old limestone quarry, Paevälja, Tallinn, N Estonia 59°27'09" N 024°49'06" E 14.08.2014 OA, KK
- 647 *Fragaria vesca* L. – dry boreal *Vaccinium vitis-idaea* pine (*Pinus sylvestris*) forest (*Vaccinio vitis-idaeo–Pinetum*), Koitjärve, Harju County, N Estonia 59°24'26" N 025°36'06" E 02.07.2014 SJ
- 648 *Geum rivale* L. – rich paludified *Filipendula* birch (*Betula pubescens*) forest (*Filipendulo–Betuletum*), Mähe, Tallinn, N Estonia 59°29'24" N 024°51'28" E 15.08.2014 MR
- 649 *Geum urbanum* L. – arboretum, Kloostrimetsa, Tallinn, N Estonia 59°28'01" N 024°52'54" E 05.08.2014 MR
- 650 *Padus avium* Mill. (= *Prunus padus* L.) – wasteland, Karjamaa, Tallinn, N Estonia 59°27'03" N 024°43'14" E 20.08.2014 MR
- 651 *Potentilla argentea* L. s.str. – old limestone quarry, Paevälja, Tallinn, N Estonia 59°27'07" N 024°48'47" E 14.08.2014 MR
- 652 *Prunus spinosa* L. – old gravel pit, Paldiski, Harju County, NW Estonia 59°22'30" N 024°37'39" E 10.09.2014 SJ, MR
- 653 *Rosa rugosa* Thunb. – naturalized, old gravel pit, Paldiski, Harju County, NW Estonia 59°22'32" N 024°02'26" E 10.09.2014 SJ
- 654 *Rubus caesius* L. – old limestone quarry, Paevälja, Tallinn, N Estonia 59°27'02" N 024°48'54" E 14.08.2014 KK, MR
- 655 *Rubus idaeus* L. – arboretum, Kloostrimetsa, Tallinn, N Estonia 59°28'05" N 024°52'39" E 29.07.2014 MR

- 656 *Rubus saxatilis* L. – *Arctostaphylos* juniper shrubland (*Arctostaphylo–Juniperetum*), Osmussaare / Odensholm, Osmussaare Island, NW Estonia 59°17'11" N 023°24'14" E 28.08.2014 AK, MR
- 657 *Rubus saxatilis* L. – roadside, Kloostrimetsa, Tallinn, N Estonia 59°28'03" N 024°50'57" E 24.07.2014 MR
- 658 *Sorbus aucuparia* L. – fresh alvar *Calamagrostis* birch (*Betula pendula*) forest (*Calamagrostio–Betuletum*), Anelema, Pärnu County, SW Estonia 58°37'50" N 024°34'17" E 30.08.2014 SJ

### **Rubiaceae**

- 659 *Galium boreale* L. – old limestone quarry, Paevälja, Tallinn, N Estonia 59°27'06" N 024°49'01" E 14.08.2014 MR

### **Saxifragaceae**

- 660 *Chrysosplenium alternifolium* L. – arboretum, Kloostrimetsa, Tallinn, N Estonia 59°28'09" N 024°52'56" E 09.06.2014 MR

### **Scrophulariaceae**

- 661 *Linaria vulgaris* Mill. – wasteland, Kalaranna, Tallinn, N Estonia 59°26'52" N 024°44'48" E 20.08.2014 MR
- 662 *Rhinanthus angustifolius* C.C. Gmel. – roadside, Kõnnu, Pärnu County, NW Estonia 58°42'46" N 024°47'53" E 03.09.2014 SJ
- 663 *Scrophularia nodosa* L. – arboretum, Kloostrimetsa, Tallinn, N Estonia 59°28'07" N 024°52'58" E 11.09.2014 MR
- 664 *Verbascum nigrum* L. – roadside, Astangu, Tallinn, N Estonia 59°24'12" N 024°37'04" E 07.08.2014 MR
- 665 *Verbascum thapsus* L. – old limestone quarry, Paevälja, Tallinn, N Estonia 59°27'03" N 024°48'48" E KK
- 666 *Veronica serpyllifolia* L. – arboretum, Kloostrimetsa, Tallinn, N Estonia 59°28'03" N 024°52'49" E 04.07.2014 MR

### **Solanaceae**

- 667 *Hyoscyamus niger* L. – wasteland, Astangu, Tallinn, N Estonia 59°24'16" N 024°36'58" E 07.08.2014 KK

## **Monocotyledoneae**

### **Alliaceae**

- 668 *Allium oleraceum* L. – arboretum, Kloostrimetsa, Tallinn, N Estonia 59°28'04" N 024°52'42" E 08.08.2014 MR
- 669 *Allium oleraceum* L. – old limestone quarry, Paevälja, Tallinn, N Estonia 59°27'12" N 024°48'54" E 14.08.2014 MR
- 670 *Allium schoenoprasum* L. – old limestone quarry, Paevälja, Tallinn, N Estonia 59°27'07" N 024°48'55" E 14.08.2014 KK, MR
- 671 *Allium schoenoprasum* L. – dry alvar grassland (*Ditricho–Thymetum*), Mäeküla, Tallinn, N Estonia 59°23'59" N 024°36'56" E 07.08.2014 OA, MR
- 672 *Allium scorodoprasum* L. – old limestone quarry, Paevälja, Tallinn, N Estonia 59°27'07" N 024°48'48" E 14.08.2014 KK, MR

### **Asparagaceae**

- 673 *Polygonatum odoratum* (Mill.) Druce – rich paludified *Filipendula* aspen (*Populus tremula*) forest (*Filipendulo–Populetum*), Kohatu, Rapla County, NW Estonia 59°00'53" N 024°16'03" E 03.09.2014 SJ

**Convallariaceae**

- 674 *Convallaria majalis* L. – dry boreal *Vaccinium vitis-idaea* oak–pine (*Quercus robur*–*Pinus sylvestris*) forest (*Vaccinio vitis-idaeo*–*Quercu*–*Pinetum*), Kloostrimetsa, Tallinn, N Estonia 59°28'12" N 024°53'05" E 15.09.2014 MR

**Cyperaceae**

- 675 *Carex spicata* Huds. – old limestone quarry, Paevälja, Tallinn, N Estonia 59°27'04" N 024°48'55" E 14.08.2014 KK, MR

**Juncaceae**

- 676 *Juncus articulatus* L. – suprasaline coastal grassland (*Festucetum rubrae*), Osmussaare / Odensholm, Osmussaare Island, NW Estonia 59°16'46" N 023°24'16" E 28.08.2014 MR
- 677 *Juncus compressus* Jacq. – roadside, Paevälja, Tallinn, N Estonia 59°26'59" N 024°49'36" E 14.08.2014 KK

**Poaceae**

- 678 *Agrostis gigantea* Roth – wasteland, Astangu, Tallinn, N Estonia 59°24'16" N 024°36'58" E 07.08.2014 OA, KK
- 679 *Briza media* L. – old limestone quarry, Paevälja, Tallinn, N Estonia 59°27'11" N 024°49'06" E 14.08.2014 KK, MR
- 680 *Briza media* L. – roadside, Kõnnu, Pärnu County, NW Estonia 58°42'46" N 024°47'53" E 26.06.2014 SJ
- 681 *Bromus inermis* Leyss. – roadside, Lepistiku Park, Mustamäe, Tallinn, N Estonia 59°27'11" N 024°49'06" E 21.08.2014 MR
- 682 *Bromus inermis* Leyss. – old limestone quarry, Paevälja, Tallinn, N Estonia 59°27'10" N 024°48'55" E 14.08.2014 KK, MR
- 683 *Elymus caninus* (L.) L. – roadside, Astangu, Tallinn, N Estonia 59°24'13" N 024°36'59" E 14.08.2014 KK
- 684 *Elymus caninus* (L.) L. – arboretum, Kloostrimetsa, Tallinn, N Estonia 59°28'01" N 024°52'54" E 10.10.2014 MR
- 685 *Festuca arundinacea* Schreb. – old limestone quarry, Paevälja, Tallinn, N Estonia 59°27'04" N 024°48'56" E 14.08.2014 KK, MR
- 686 *Milium effusum* L. – rich paludified *Molinia* birch (*Betula pubescens*) forest (*Molinio*–*Betuletum pubescentis*), Vismeistri, Tallinn, N Estonia 59°26'20" N 024°36'24" E 23.07.2014 OA
- 687 *Phleum phleoides* (L.) H. Karst. – old limestone quarry, Paevälja, Tallinn, N Estonia 59°27'07" N 024°48'47" E 14.08.2014 KK
- 688 *Phleum phleoides* (L.) H. Karst. – old limestone quarry, Mäeküla, Tallinn, N Estonia 59°23'49" N 024°37'40" E 07.08.2014 KK, MR
- 689 *Poa compressa* L. – old limestone quarry, Mäeküla, Tallinn, N Estonia 59°23'49" N 024°37'40" E 07.08.2014 OA, KK
- 690 *Poa compressa* L. – old limestone quarry, Paevälja, Tallinn, N Estonia 59°27'05" N 024°48'51" E 14.08.2014 KK
- 691 *Sesleria caerulea* (L.) Ard. – old limestone quarry, Paevälja, Tallinn, N Estonia 59°27'10" N 024°49'07" E 14.08.2014 KK

**Typhaceae**

- 692 *Typha angustifolia* L. – old limestone quarry, Paevälja, Tallinn, N Estonia 59°27'08" N 024°49'11" E 14.08.2014 KK

### III *Semina plantarum in diversis regionibus Estoniae cultarum*

#### ANGIOSPERMAE

#### *Dicotyledoneae*

##### *Hydrangeaceae*

- 693 *Hydrangea anomala* D. Don subsp. *petiolaris* (Siebold et Zucc.) E.M. McClint. – Kalamaja Park, Tallinn, N Estonia 59°26'59" N 024°43'56" E 26.10.2014 MR

##### *Rosaceae*

- 694 *Crataegus sanguinea* Pall. – streetside, Sitsi, Tallinn, N Estonia 59°26'58" N 024°41'56" E 06.11.2014 OA
- 695 *Rosa rugosa* Thunb. cv. Alba – Stroomi Beach, Tallinn, N Estonia 59°26'27" N 024°41'00" E 03.09.2014 MR

*Seminum collectores*: Olev Abner (OA), Anu Kaur (AK), Heli Russak (HR), Kalle Kõllamaa (KK), Urmas Laansoo (UL), Ilmi Mansu (IM), Mare Raidma (MR), Sille Janson (SJ)

Karmen Kähr  
*Horti Director*

Olev Abner  
*Custos*

Heli Russak  
*Seminum Curator*

EMHI Weather Records 2014  
Tallinn - Harku

The highest air temperature: 32,0 °C (July 28)  
The lowest air temperature: -18,7 °C (January 30)  
Annual rainfall total: 576 mm

Average Monthly Temperature and Rainfall

Month	Ground (°C)	Air Average (°C)	Air Min (°C)	Air Max (°C)	Rainfall (mm)
Jan	-7,0	-6,6	-18,7	6,5	54
Feb	-0,9	-0,1	-9,3	7,0	27
Mar	1,4	2,0	-9,9	10,4	28
Apr	7,9	5,3	-6,1	18,4	11
May	14,1	10,7	-2,3	31,4	47
Jun	16,0	12,7	2,6	27,5	81
Jul	23,8	19,4	10,3	32,0	47
Aug	19,1	17,3	6,5	31,6	115
Sep	13,2	12,6	3,4	23,4	27
Oct	6,0	6,3	-6,8	16,0	27
Nov	1,5	1,9	-1,8	11,1	38
Dec	-1,2	-0,4	-16,0	6,0	74

