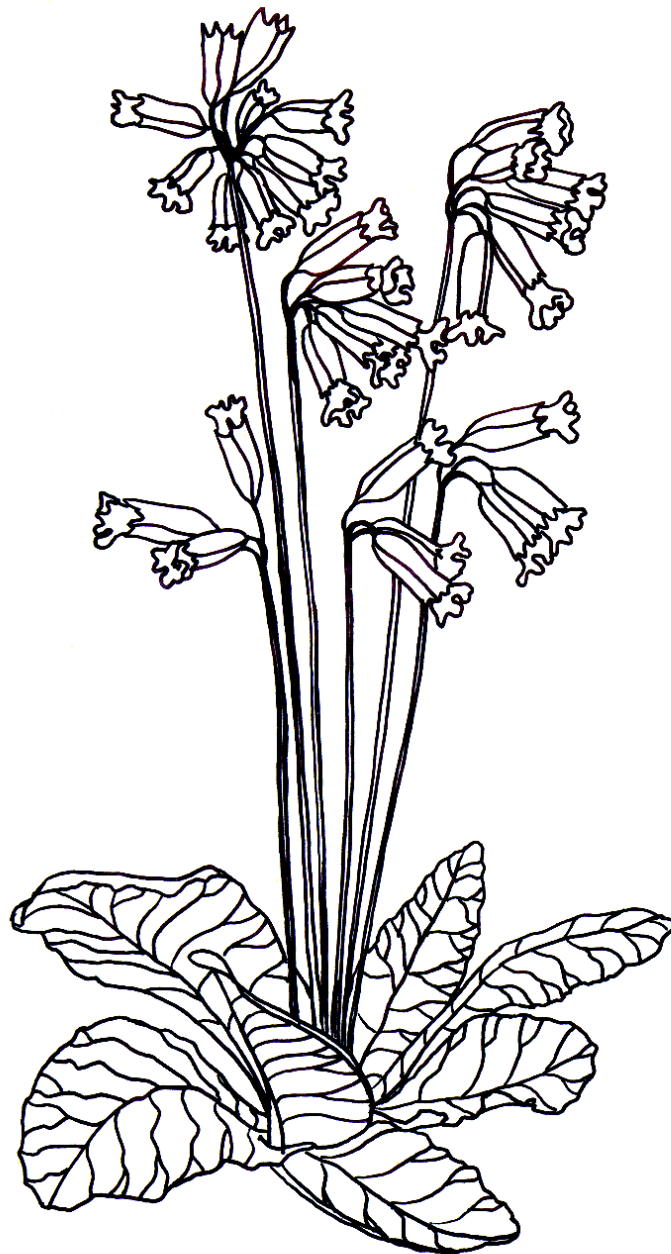


# INDEX SEMINUM

*Primula veris* L.



**TALLINN 2006**

TALLINNA BOTANIKAAED

*INDEX SEMINUM*  
*anno 2005 collectorum*

*quae*

*HORTUS BOTANICUS TALLINNENSIS*

*pro mutua commutatione offert*

Tallinn 2006

*Mandata inscribenda sunt:*  
*Hortus Botanicus Tallinnensis*  
Kloostrimetsa tee 52  
11913 Tallinn  
*Estonie*

It is by the recipients of seeds to respect and to stand to international binding settlements of protection of endangered taxa and to uphold the interests of the nations of origin.

Es wird erwartet, dass die Empfänger von Saatgut international verbindliche Regelungen zum Schutz gefährdeter Sippen und zur Wahrung von Interessen der Herkunftsländer respektieren und einhalten.

Cover by: Lea Mäss

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# I Semina et sporae plantarum in horto botanico cultarum

## PTERIDOPHYTA

### **Adiantaceae**

- + 1 *Adiantum caudatum* L. (Salaspils, 1986)
- + 2 *Adiantum reniforme* L. (Salaspils, 1986)
- + 3 *Adiantum trapeziforme* L. (Tartu, 1993)
- + 4 *Pityrogramma calomelanos* (L.) Link
- + 5 *Pityrogramma calomelanos* (L.) Link var. *aureo-flava* (Hook.) Weath. ex L.H. Bailey

### **Blechnaceae**

- + 6 *Stenochlaena tenuifolia* (Desv.) T. Moore

### **Davalliaceae**

- + 7 *Davallia pyxidata* Cav. (St. Petersburg, 1982)

### **Polypodiaceae**

- + 8 *Microsorium punctatum* (L.) Copel.
- + 9 *Phlebodium aureum* (L.) J. Sm.

## SPERMATOPHYTA

### GYMNOSPERMAE

### **Cupressaceae**

- 10 *Juniperus squamata* Buch.-Ham. et D. Don 'Meyeri' (Moscow, 1961)
- 11 *Microbiota decussata* Kom.
- \* 12 *Microbiota decussata* Kom. (*Rossia extremiorientalis*, *Okeanskaya*, 1961)
- 13 *Thuja koraiensis* Nakai (Tartu, 1982)

### **Pinaceae**

- 14 *Larix gmelinii* (Rupr.) Kuzen. var. *principis-rupprechtii* (Mayr) Pilg. (Nogent-sur-Vernisson, 1966)
- \* 15 *Pinus uncinata* Ramond ex DC. (Liège, 1982)

### **Taxaceae**

- 16 *Taxus baccata* L.
- 17 *Taxus cuspidata* Siebold et Zucc. (Nayoro, 1969)
- \* 18 *Taxus x media* Rehder 'Hicksii'

### ANGIOSPERMAE

### **Dicotyledoneae**

### **Acanthaceae**

- 19 *Acanthus mollis* L. (Wrocław, 1973)
- + 20 *Barleria prionitis* L. (Villers-lès-Nancy, 2003)
- + 21 *Crossandra nilotica* Oliv.

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+ = semina et sporae 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)

### **Aceraceae**

- 22 *Acer barbinerve* Maxim.
- 23 *Acer campestre* L.
- \* 24 *Acer caudatum* Wall. ex Rehder ssp. *ukurunduense* (Trautv. et C.A. Mey.) E. Murray (*Insula Sachalin, Mt. Chekhov*, 1961)
- \* 25 *Acer mandshuricum* Maxim. (*Rossia extremiorientalis, Lazo*, 1977)
- \* 26 *Acer negundo* L. var. *interius* (Britton) Sarg. (Edmonton, 1967)
- 27 *Acer platanoides* L.
- 28 *Acer pseudoplatanus* L. f. *purpureum* (Loudon) Rehder
- \* 29 *Acer pseudosieboldianum* (Pax) Kom. (*Rossia extremiorientalis, Lazo*, 1977)
- 30 *Acer spicatum* Lam.
- 31 *Acer tataricum* L.
- \* 32 *Acer tataricum* L. ssp. *ginnala* (Maxim.) Wesm. (*Rossia extremiorientalis, Okeanskaya*, 1961)
- \* 33 *Acer tegmentosum* Maxim. (*Rossia extremiorientalis, Okeanskaya*, 1977)

### **Actinidiaceae**

- 34 *Actinidia kolomikta* (Rupr. et Maxim.) Maxim.

### **Anacardiaceae**

- 35 *Cotinus coggygria* Scop.
- 36 *Rhus typhina* L.

### **Apiaceae**

- 37 *Astrantia biebersteinii* Trautv. (Giessen, 1997)
- 38 *Astrantia carniolica* Wulfen (Edmonton, 1993)
- 39 *Eryngium alpinum* L.
- 40 *Falcaria vulgaris* Bernh.
- 41 *Ligusticum scoticum* L. (Moscow, 1982)
- 42 *Meum athamanticum* Jacq. (Moscow, 1982)
- 43 *Myrrhis odorata* (L.) Scop. (Ljubljana, 1999)

### **Apocynaceae**

- + 44 *Alyxia ruscifolia* R. Br. (Düsseldorf, 1991)
- 45 *Rhazya orientalis* (Decne.) DC. (Giessen, 1991)

### **Araliaceae**

- \* 46 *Aralia cordata* Thunb. (*Insulae Kurilenses, Kunashiri*, 1981)
- \* 47 *Eleutherococcus senticosus* (Rupr. et Maxim.) Maxim. (*Insula Sachalin, Dolinsk*, 1962)
- \* 48 *Eleutherococcus sessiliflorus* (Rupr. et Maxim.) S.Y. Hu (*Rossia extremiorientalis, Artem*, 1961)
- \* 49 *Oplopanax horridus* (Sm.) Miq. (Seattle, 1978)

### **Asclepiadaceae**

- 50 *Asclepias syriaca* L. (Linz, 1978)
- + 51 *Stephanotis floribunda* (R. Br.) Brongn.
- 52 *Vincetoxicum nigrum* (L.) Moench (St. Petersburg, 1998)

### **Asteraceae**

- \* 53 *Achillea biserrata* M. Bieb. (*Caucasus borealis, Goryachy Klyuch*, 1990)
- 54 *Achillea ochroleuca* Ehrh. (Potsdam, 2002)
- 55 *Achillea sibirica* Ledeb. (Potsdam, 2000)
- 56 *Ageratina altissima* (L.) R.M. King et H. Rob. (Erlangen, 2000)

- \* 57 *Anthemis woronowii* Sosn. (*Caucasus borealis*, Dzhankhot, 1990)
- \* 58 *Artemisia rupestris* L. (*Estonia, Insula Muhu, Üügu*, 2000)
- 59 *Aster alpinus* L. 'Albus' (Linz, 1997)
- 60 *Aster alpinus* L. 'Roseus' (Oslo, 1996)
- 61 *Aster amellus* L. ssp. *ibericus* (M. Bieb.) V.E. Avet. (Szeged, 1987)
- 62 *Aster amellus* L. 'Rudolph Goethe' (Mühlhausen, 1983)
- 63 *Aster linosyris* (L.) Bernh.
- \* 64 *Aster novae-angliae* L. (East Lansing, 1997)
- 65 *Aster ptarmicoides* (Nees) Torr. et A. Gray
- 66 *Centaurea fischeri* Schltld. (Minsk, 1992)
- 67 *Centaurea uniflora* Turra ssp. *nervosa* (Willd.) Bonnier et Layens (Salaspils, 1997)
- 68 *Cichorium intybus* L. (Tallinn, Pääsküla, 1996)
- 69 *Echinacea pallida* (Nutt.) Nutt. (Halle, 2003)
- 70 *Eupatorium chinense* L. (Brno, 2001)
- 71 *Eupatorium dubium* Willd. ex Poir. (Bielefeld, 2001)
- 72 *Eupatorium leucolepis* Torr. et A. Gray (Bielefeld, 2001)
- \* 73 *Eupatorium maculatum* L. (Liège, 1996)
- 74 *Eupatorium perfoliatum* L. (Ulm, 2000)
- 75 *Eupatorium purpureum* L. (Strasbourg, 2001)
- 76 *Inula magnifica* Lipsky (Moscow, 1977)
- \* 77 *Inula montana* L. (Palermo, 2000)
- 78 *Ligularia hodgsonii* Hook. (Hokkaido, 2003)
- 79 *Ligularia przewalskii* (Maxim.) Diels (Salaspils, 1987)
- 80 *Ptilostemon afer* (Jacq.) Greuter (Dresden, 1993)
- \* 81 *Senecio cannabifolius* Less. (*Insula Sachalin, Nysh*, 1982)
- 82 *Senecio jacobae* L. (Rouen, 2004)
- 83 *Senecio ovatus* (Gottfr. Gaertn., B. Mey. et Scherb.) Willd. (Oldenburg, 1994)
- \* 84 *Serratula tinctoria* L. (*Estonia, Laelatu*, 2000)
- \* 85 *Silphium integrifolium* Michx. (Glencoe, 1993)
- 86 *Solidago graminifolia* (L.) Salisb. (East Lansing, 2000)
- \* 87 *Solidago riddellii* Frank (East Lansing, 2000)
- 88 *Solidago virgaurea* L. ssp. *minuta* (L.) Arcang. (Chambésy, 1988)
- 89 *Stemmacantha carthamoides* (Willd.) Dittrich (Joshkar-Ola, 2000)
- 90 *Tanacetum coccineum* (Willd.) Grierson (Kirovsk, 1981)
- 91 *Tanacetum macrophyllum* (Waldst. et Kit.) Sch. Bip.
- Berberidaceae**
- 92 *Berberis aggregata* C.K. Schneid. (Stockholm, 1957)
- 93 *Berberis koreana* Palib. (Hørsholm, 1991)
- 94 *Berberis parvifolia* Sprague (Berlin-Dahlem, 1957)
- 95 *Berberis thunbergii* DC.
- 96 *Berberis thunbergii* DC. 'Erecta' (Ottawa, 1960)
- 97 *Berberis thunbergii* DC. 'Silver Beauty' (Moscow, 1961)
- 98 *Berberis vulgaris* L. (Tallinn, 1973)
- 99 *Berberis vulgaris* L. 'Atropurpurea'
- 100 *Podophyllum hexandrum* Royle (Bergen, 1958)
- 101 *Podophyllum hexandrum* Royle var. *chinense* Wall.

### **Betulaceae**

- \* 102 *Alnus crispa* (Aiton) Pursh (Vancouver, 1981)
- \* 103 *Alnus fruticosa* Rupr. (*Rossia extremiorientalis*, Zeya, 1975)
- 104 *Alnus japonica* (Thunb.) Steud. (Nayoro, 1973)
- \* 105 *Alnus maximowiczii* Callier (*Insulae Kurilenses*, Kunashiri, 1981)
- \* 106 *Alnus sinuata* (Regel) Rydb. (Vancouver, 1977)
- 107 *Alnus viridis* (Chaix) DC. (Rogów, 1973)
- 108 *Betula albosinensis* Burkill var. *septentrionalis* C.K. Schneid. (Berlin-Dahlem, 1974)
- 109 *Betula alleghaniensis* Britton
- \* 110 *Betula fruticosa* Pall. (*Rossia extremiorientalis*, Olga, 1977)
- \* 111 *Betula glandulifera* (Regel) B.T. Butler (Montréal, 1991)
- \* 112 *Betula humilis* Schrank (*Latvia*, Laidi, 1977)
- 113 *Betula lenta* L. (Rogów, 1975)
- 114 *Betula papyrifera* Marshall
- \* 115 *Betula pendula* Roth var. *carelica* (Mercklin) Hämet-Ahti (*Finlandia*, 1959)
- 116 *Betula pendula* Roth var. *oycoviensis* (Besser) Dippel (Lublin, 1974)
- \* 117 *Betula populifolia* Marshall (Millbrook, 1973)
- \* 118 *Carpinus cordata* Blume (*Rossia extremiorientalis*, Okeanskaya, 1977)

### **Boraginaceae**

- 119 *Anchusa azurea* Mill. (Amsterdam, 1993)
- 120 *Cynoglossum officinale* L.
- 121 *Echium vulgare* L. (Lausanne, 2004)
- 122 *Omphalodes verna* Moench (Nijmegen, 1968)
- 123 *Pulmonaria rubra* Schott

### **Brassicaceae**

- 124 *Aurinia saxatilis* (L.) Desv. 'Citrina' (Ferrara, 1997)
- \* 125 *Draba norvegica* Gunnerus (Reykjavik, 2004)
- 126 *Lunaria rediviva* L.

### **Buddlejaceae**

- 127 *Buddleja albiflora* Hemsl. (Dresden, 1962)

### **Cactaceae**

- + 128 *Eriocereus guelichii* (Speg.) A. Berger
- + 129 *Notocactus leninghausii* (K. Schum.) A. Berger

### **Calycanthaceae**

- 130 *Calycanthus fertilis* Walter var. *laevigatus* (Willd.) Bean (Nogent-sur-Vernisson, 1964)

### **Campanulaceae**

- 131 *Campanula alliariifolia* Willd. (Göttingen, 2000)
- 132 *Campanula carpatica* Jacq.
- 133 *Campanula kemulariae* Fomin (Bratislava, 1990)
- 134 *Campanula latifolia* L. 'Alba'
- 135 *Jasione laevis* Lam. (Göttingen, 1967)
- 136 *Symphyandra pendula* (M. Bieb.) A. DC. (Trondheim, 1987)

### **Caprifoliaceae**

- \* 137 *Diervilla lonicera* Mill. (Ottawa, 1966)
- 138 *Diervilla rivularis* Gatt. (Dushanbe, 1957)

- 139 *Diervilla sessilifolia* Buckland (Leiden, 1957)  
 140 *Kolkwitzia amabilis* Graebn.  
 141 *Lonicera alpigena* L.  
 \* 142 *Lonicera caerulea* L. (Chambésy, 1979)  
 143 *Lonicera caucasica* Pall.  
 \* 144 *Lonicera chrysantha* Turcz. (*Rossia extremiorientalis*, *Khekhtsir*, 1975)  
 145 *Lonicera ferdinandi* Franch. (Berlin-Dahlem, 1979)  
 146 *Lonicera iberica* M. Bieb. (Tbilisi, 1964)  
 147 *Lonicera involucrata* (Richardson) Banks ex Spreng. (Berlin-Dahlem, 1978)  
 \* 148 *Lonicera korolkowii* Stapf (Khorog, 1987)  
 149 *Lonicera ledebourii* Eschsch. (Kornik, 1999)  
 150 *Lonicera maackii* (Rupr.) Maxim. (Khabarovsk, 1967)  
 \* 151 *Lonicera maximowiczii* (Rupr.) Maxim. (*Rossia extremiorientalis*, *Ternei*, 1979)  
 152 *Lonicera myrtillus* Hook. f. et Thomson (Lausanne, 1962)  
 \* 153 *Lonicera nigra* L. (Sarajevo, 1983)  
 154 *Lonicera prolifera* (Kirchn.) Rehder  
 \* 155 *Lonicera ruprechtiana* Regel (*Rossia extremiorientalis*, *Ternei*, 1979)  
 156 *Lonicera tatarica* L. (Barnaul, 1977)  
 157 *Lonicera vesicaria* Kom. (Minsk, 1997)  
 \* 158 *Sambucus canadensis* L. (Montréal, 1962)  
 159 *Sambucus canadensis* L. 'Aurea'  
 160 *Sambucus nigra* L. (Estonia, Kuressaare, 1969)  
 161 *Sambucus racemosa* L.  
 \* 162 *Sambucus racemosa* L. ssp. *sibirica* (Nakai) Hara (*Sibiria australis*, *Dahuria*, *Chara*, 1978)  
 \* 163 *Sambucus sieboldiana* Blume ex Miq. (*Insulae Kurilenses*, *Kunashiri*, 1981)  
 \* 164 *Sambucus williamsii* Hance (*Rossia extremiorientalis*, *Talmi*, 1961)  
 \* 165 *Symphoricarpos albus* (L.) S.F. Blake (East Lansing, 1974)  
 166 *Symphoricarpos albus* (L.) S.F. Blake var. *laevigatus* (Fernald) S.F. Blake  
 167 *Symphoricarpos occidentalis* Hook. (Ottawa, 1968)  
 168 *Weigela decora* (Nakai) Nakai (Hørsholm, 1994)  
 169 *Weigela florida* (Bunge) A. DC. (Pyongyang, 1988)  
 170 *Weigela japonica* Thunb. (Dresden, 1960)  
 \* 171 *Weigela middendorffiana* (Trautv. et C.A. Mey.) K. Koch (*Insula Sachalin*, *Mt. Chekhov*, 1961)  
 172 *Viburnum lantana* L.  
 173 *Viburnum lentago* L.  
 174 *Viburnum opulus* L. (Tallinn, 1965)  
 \* 175 *Viburnum trilobum* Marshall (Montréal, 1988)  
 \* 176 *Viburnum wrightii* Miq. (*Insulae Kurilenses*, *Etorofu*, 1961)
- Caricaceae**
- + 177 *Carica papaya* L. (Marburg, 1980)
- Caryophyllaceae**
- \* 178 *Cerastium alpinum* L. ssp. *lanatum* (Lam.) Aschers. et Graebn. (Oslo, 2003)  
 179 *Cerastium argenteum* M. Bieb. (Moscow, 1981)  
 180 *Dianthus knappii* (Pant.) Asch. et Kanitz ex Borbás (Utrecht, 2000)  
 181 *Gypsophila acutifolia* Steven ex Spreng. (Brno, 1982)



- 182 *Saponaria caespitosa* DC. (Innsbruck, 1993)  
 183 *Saponaria lutea* L. (Fribourg, 1989)  
 184 *Silene chalcedonica* (L.) E. Krause (Szeged, 1988)  
 185 *Silene frivaldszkyana* Hampe (Glasgow, 1993)
- Celastraceae**
- 186 *Celastrus orbiculatus* Thunb.  
 \* 187 *Celastrus scandens* L. (Ottawa, 1965)  
 \* 188 *Euonymus alatus* (Thunb.) Siebold ssp. *sacrosanctus* (Koidz.) Vorosch. (*Rossia extremiorientalis*, Chornaya, 1961)  
 189 *Euonymus bungeanus* Maxim. (Beijing, 1957)  
 190 *Euonymus europaeus* L.  
 191 *Euonymus hamiltonianus* Wall. ssp. *maackii* (Rupr.) Kom. (Vladivostok, 1961)  
 \* 192 *Euonymus hamiltonianus* Wall. ssp. *sieboldianus* (Blume) Hara (*Insula Sachalin*, Mt. Chekhov, 1961)  
 193 *Euonymus latifolius* (L.) Mill. (Tallinn, 1989)  
 194 *Euonymus macropterus* Rupr.  
 195 *Euonymus nanus* M. Bieb.  
 196 *Euonymus pauciflorus* Maxim.  
 \* 197 *Euonymus planipes* (Koehne) Koehne (*Rossia extremiorientalis*, Shamora, 1961)  
 198 *Tripterygium regelii* Sprague et Takeda
- Cercidiphyllaceae**
- 199 *Cercidiphyllum japonicum* Siebold et Zucc. var. *magnificum* Nakai (Nikko, 1975)
- Cistaceae**
- \* 200 *Helianthemum apenninum* (L.) Mill. (Chambésy, 1996)  
 201 *Helianthemum apenninum* (L.) Mill. 'Roseum' (Bonn, 1972)  
 \* 202 *Helianthemum nummularium* (L.) Mill. non Grosser (*Estonia*, Jäneda, 1991)
- Clusiaceae**
- \* 203 *Hypericum ascyron* L. (Helsinki, 1994)
- Cornaceae**
- 204 *Cornus alba* L.  
 \* 205 *Cornus alternifolia* L. f. (Ottawa, 1965)  
 206 *Cornus mas* L.  
 207 *Cornus racemosa* Lam.  
 208 *Cornus sericea* L.
- Crassulaceae**
- + 209 *Echeveria gibbiflora* DC. (St. Petersburg, 1966)  
 + 210 *Echeveria rubromarginata* Rose (Zürich, 2001)  
 + 211 *Echeveria shaviana* E. Walther (St. Petersburg, 1987)  
 + 212 *Kalanchoe daigremontiana* Hamet et H. Perrier  
 + 213 *Kalanchoe grandiflora* Wright et Arn. (Basel, 1975)  
 + 214 *Kalanchoe nyikae* Engl. (München, 1995)  
 + 215 *Kalanchoe rotundifolia* (Haw.) Haw. (Basel, 1994)  
 216 *Sedum aizoon* L.  
 217 *Sedum populifolium* Pall. (Köln, 1997)  
 \* 218 *Sedum spurium* M. Bieb. (*Caucasus australi-orientalis*, Talysh, 1977)  
 219 *Sempervivum caucasicum* Rupr. ex Boiss. (St. Petersburg, 1981)

### **Cucurbitaceae**

- + 220 *Kedrostis africana* (L.) Cogn. (Monte Carlo, 2003)

### **Dipsacaceae**

- 221 *Cephalaria gigantea* (Ledeb.) Bobrov (Moscow, 1982)  
222 *Cephalaria litvinovii* Bobrov (Voronezh, 1988)  
223 *Knautia macedonica* Griseb. (Caen, 2000)

### **Elaeagnaceae**

- 224 *Elaeagnus commutata* Bernh. ex Rydb.  
225 *Elaeagnus umbellata* Thunb. (Estonia, Polli, 1985)  
\* 226 *Hippophae rhamnoides* L. (Wrocław, 1997)  
227 *Shepherdia canadensis* (L.) Nutt.

### **Ericaceae**

- 228 *Enkianthus campanulatus* (Miq.) G. Nicholson (Edinburgh, 1960)  
229 *Gaultheria cuneata* (Rehder et E.H. Wilson) Bean (Berlin-Dahlem, 1962)  
\* 230 *Ledum groenlandicum* Oeder (Vancouver, 1962)  
\* 231 *Ledum palustre* L. var. *dilatatum* Wahlenb. (*Rossia extremiorientalis*, *Sovetskaya Gavan'*, 1967)  
\* 232 *Ledum palustre* L. var. *diversipilosum* Nakai (*Rossia extremiorientalis*, *Mt. Khualaza*, 1961)  
\* 233 *Leucothoe grayana* Maxim. (*Insulae Kurilenses*, *Kunashiri*, 1981)  
\* 234 *Menziesia pentandra* Maxim. (*Insulae Kurilenses*, *Kunashiri*, 1981)  
235 *Menziesia pilosa* (Michx.) Juss.  
236 *Pieris floribunda* (Pursh ex Sims) Benth. et Hook. f.  
237 *Rhododendron arborescens* (Pursh) Torr.  
238 *Rhododendron brachycarpum* D. Don ex G. Don  
239 *Rhododendron brachycarpum* D. Don ex G. Don (Edinburgh, 1958)  
240 *Rhododendron calostrotum* Balf. f. et Kingdon-Ward ssp. *keleticum* (Balf. f. et Forrest) Cullen (Edinburgh, 1960)  
241 *Rhododendron camtschaticum* Pall.  
242 *Rhododendron Catawbiense* Hybrids  
243 *Rhododendron fastigiatum* Franch. (Edinburgh, 1960)  
244 *Rhododendron ferrugineum* L. (Edinburgh, 1958)  
245 *Rhododendron* × *halense* Gremblich (Linz, 1962)  
246 *Rhododendron hirsutum* L.  
247 *Rhododendron minus* Michx. 'Carolinianum Album' (Edinburgh, 1958)  
248 *Rhododendron molle* (Blume) G. Don  
249 *Rhododendron molle* (Blume) G. Don ssp. *japonicum* (A. Gray) K. Kron  
250 *Rhododendron myrtifolium* Schott et Kotschy (Cluj, 1966)  
251 *Rhododendron prinophyllum* (Small) Millais (Antwerpen, 1962)  
252 *Rhododendron smirnowii* Trautv.  
253 *Rhododendron vaseyi* A. Gray  
254 *Rhododendron viscosum* (L.) Torr. (Berlin-Dahlem, 1959)

### **Euphorbiaceae**

- + 255 *Euphorbia bubalina* Boiss.  
+ 256 *Phyllanthus grandifolius* L.  
257 *Securinega suffruticosa* (Pall.) Rehder  
A 258 *Securinega suffruticosa* (Pall.) Rehder (Bruxelles, 1957)

### **Fabaceae**

- \* 259 *Astragalus alpinus* L. (Norge, Mabødalen, 1999)
- \* 260 *Astragalus danicus* Retz. (Estonia, Jalase, 1995)
- 261 *Baptisia australis* (L.) R. Br. (Salaspils, 1988)
- 262 *Caragana arborescens* Lam. (Leiden, 1957)
- 263 *Caragana aurantiaca* Koehne (Wien, 1965)
- 264 *Caragana frutex* (L.) K. Koch (Kiev, 1957)
- \* 265 *Caragana spinosa* (L.) DC. (*Sibiria australis*, Kyzyl, 1985)
- 266 *Chamaecytisus albus* (Hacq.) Rothm. (Rogów, 1974)
- 267 *Chamaecytisus glaber* (L. f.) Rothm. (Stockholm, 1957)
- 268 *Chamaecytisus supinus* (L.) Link.
- 269 *Chamaespartium sagittale* (L.) P.E. Gibbs (Tübingen, 1976)
- 270 *Colutea arborescens* L. (Riga, 1960)
- \* 271 *Cytisus decumbens* (Durande) Spach (Bescancon, 1997)
- 272 *Cytisus nigricans* L.
- 273 *Galega orientalis* Lam. (Moscow, 1981)
- 274 *Genista ovata* Waldst. et Kit. (Cluj, 1996)
- \* 275 *Genista tinctoria* L. (Olomouc, 1988)
- 276 *Hedysarum boutignyanum* Alleiz. (Paris, 1996)
- 277 *Laburnum alpinum* (Mill.) Bercht. et J. Presl
- 278 *Lathyrus nissolia* L. (Stuttgart, 2005)
- \* 279 *Lathyrus sylvestris* L. (Estonia, Tapa, 1992)
- 280 *Lathyrus vernus* (L.) Bernh. ssp. *gracilis* (Gaudin) Arcang. (Freiburg, 1998)
- 281 *Lupinus polyphyllus* Lindl. Russell Hybrids (Ljubljana, 1978)
- \* 282 *Maackia amurensis* Rupr. et Maxim. (*Rossia extremiorientalis*, Okeanskaya, 1961)
- \* 283 *Onobrychis montana* DC. (*Alpes Galliae*, St. Veran, 1994)
- \* 284 *Oxytropis campestris* (L.) DC. (Estonia, Mähuste, 1994)
- 285 *Oxytropis campestris* (L.) DC. (Tübingen, 1993)
- 286 *Robinia luxurians* (Dieck) C.K. Schneid. (Estonia, Laulasmaa, 1965)
- \* 287 *Trifolium rubens* L. (Samoëns, 1994)

### **Fumariaceae**

- 288 *Corydalis cheilanthifolia* Hemsl. (Jena, 1998)
- 289 *Dicentra scandens* (D. Don) Walp. 'Golden Tears'
- 290 *Pseudofumaria alba* (Mill.) Lidén ssp. *alba*

### **Gentianaceae**

- \* 291 *Gentiana cruciata* L. (Estonia, Raplamaa, 2000)
- 292 *Gentiana paradoxa* Albov (Jena, 1979)
- 293 *Gentiana septemfida* Pall.

### **Grossulariaceae**

- 294 *Ribes aciculare* Sm. (Barnaul, 1983)
- 295 *Ribes alpinum* L.
- 296 *Ribes americanum* Mill.
- 297 *Ribes cynosbati* L. (Nizhni Novgorod, 1958)
- 298 *Ribes divaricatum* Douglas (Vilnius, 1991)
- \* 299 *Ribes glandulosum* Grauer (Montréal, 1958)
- 300 *Ribes komarovii* Pojark. (Bayreuth, 1997)

- 301 *Ribes petraeum* Wulfen  
 302 *Ribes spicatum* Robson (Tallinn, Kloostrimetsa, 1972)  
 303 *Ribes ussuriense* Jancz. (Pyongyang, 1980)  
**Hamamelidaceae**  
 304 *Hamamelis japonica* Siebold et Zucc.  
 305 *Hamamelis japonica* Siebold et Zucc. 'Zuccariniana' (Berlin-Dahlem, 1959)  
**Hippocastanaceae**  
 306 *Aesculus hippocastanum* L.  
 307 *Aesculus* × *hybrida* DC.  
 308 *Aesculus* × *hybrida* DC. var. *purpurascens* A. Gray (Salaspils, 1964)  
**Hydrangeaceae**  
 309 *Deutzia scabra* Thunb. (Osaka, 1970)  
 310 *Hydrangea heteromalla* D. Don  
 \* 311 *Hydrangea paniculata* Siebold (*Insulae Kurilenses, Kunashiri*, 1981)  
 312 *Hydrangea paniculata* Siebold 'Praecox'  
 \* 313 *Philadelphus lewisii* Pursh (Vancouver, 1967)  
**Juglandaceae**  
 314 *Juglans ailantifolia* Carrière  
 315 *Juglans cinerea* L.  
 316 *Juglans mandshurica* Maxim.  
**Lamiaceae**  
 317 *Horminum pyrenaicum* L. (Tartu, 1948)  
 318 *Horminum pyrenaicum* L. 'Album'  
 319 *Horminum pyrenaicum* L. 'Roseum'  
 320 *Melissa officinalis* L. (Klagenfurt, 1999)  
 321 *Nepeta grandiflora* M. Bieb. (Moscow, 1981)  
 322 *Nepeta sibirica* L. (Graz, 1984)  
 323 *Phlomis tuberosa* L.  
 324 *Physostegia virginiana* (L.) Benth. (Donetsk, 1981)  
 325 *Physostegia virginiana* (L.) Benth. 'Summer Snow' (Manchester, 1978)  
 326 *Pycnanthemum tenuifolium* Schrad. (Glencoe, 1998)  
 \* 327 *Salvia nemorosa* L. (*Caucasus borealis, Marina Rostcha*, 1990)  
 328 *Salvia verticillata* L. (Reykjavik, 2000)  
 329 *Stachys byzantina* K. Koch  
 \* 330 *Stachys heraclea* All. (Siena, 1994)  
 331 *Stachys macrantha* (K. Koch) Stearn  
**Linaceae**  
 \* 332 *Linum perenne* L. (Salzburg, 1997)  
**Malvaceae**  
 333 *Alcea rugosa* Alef. (Harrogate, 1997)  
**Menispermaceae**  
 334 *Menispermum canadense* L.  
 335 *Menispermum dauricum* DC. (Nizhni Novgorod, 1957)  
**Moraceae**  
 + 336 *Dorstenia contrajerva* L. (Strasbourg, 1961)  
 + 337 *Dorstenia elata* Gardner (Düsseldorf, 1994)  
 + 338 *Dorstenia foetida* (Forssk.) Schweinf. (Plzen, 2003)

- + 339 *Dorstenia hildebrandtii* Engl. (Plzen, 2003)
- 340 *Morus australis* Poir. (Cluj, 1965)
- \* 341 *Morus rubra* L. (Lisle, 1991)
- Myricaceae**
- 342 *Myrica pensylvanica* Loisel.
- Myrtaceae**
- + 343 *Psidium littorale* Raddi (Stockholm, 1964)
- Oleaceae**
- 344 *Forsythia europaea* Degen et Bald. (Cluj, 1958)
- 345 *Forsythia giraldiana* Lingelsh. (Salaspils, 1996)
- 346 *Forsythia ovata* Nakai (St. Petersburg, 1958)
- 347 *Forsythia suspensa* (Thunb.) Vahl (Cluj, 1958)
- \* 348 *Fraxinus chinensis* Roxb. var. *rhynchophylla* (Hance) Hemsl. (*Rossia extremiorientalis*, Shamora, 1961)
- 349 *Fraxinus pennsylvanica* Marshall
- 350 *Ligustrum ibota* Siebold et Zucc. (København, 1991)
- \* 351 *Ligustrum tschonoskii* Decne. (*Insula Sachalin, Mt. Chekhov*, 1961)
- 352 *Ligustrum tschonoskii* Decne. var. *glabrescens* Koidz. (Hørsholm, 1991)
- \* 353 *Ligustrum vulgare* L. (Salzburg, 1983)
- 354 *Syringa komarowii* C.K. Schneid.
- 355 *Syringa oblata* Lindl. (Rochester, 1973)
- 356 *Syringa reticulata* (Blume) Hara
- \* 357 *Syringa reticulata* (Blume) Hara var. *amurensis* (Rupr.) Pringle (*Rossia extremiorientalis*, Okeanskaya, 1961)
- 358 *Syringa tomentella* Bureau et Franch. (Edinburgh, 1958)
- 359 *Syringa villosa* Vahl
- \* 360 *Syringa vulgaris* L. (Budapest, 1978)
- 361 *Syringa yunnanensis* Franch. (Stockholm, 1957)
- Paeoniaceae**
- 362 *Paeonia anomala* L. (Estonia, Tamsa, 2001)
- 363 *Paeonia delavayi* Franch. (Wien, 1968)
- 364 *Paeonia mlokosewitschii* Lomakin (Basel, 1980)
- 365 *Paeonia tenuifolia* L. (Szeged, 1980)
- Papaveraceae**
- 366 *Macleaya microcarpa* (Maxim.) Fedde (Brno, 1989)
- 367 *Papaver bracteatum* Lindl. (Brno, 2002)
- 368 *Papaver orientale* L.
- Passifloraceae**
- + 369 *Passiflora coriacea* Juss. (Leiden, 2004)
- Phytolaccaceae**
- + 370 *Rivina humilis* L. (Tartu, 1959)
- Pittosporaceae**
- + 371 *Pittosporum crassifolium* Banks et Sol. ex A. Cunn.
- Plantaginaceae**
- 372 *Psyllium sempervirens* (Crantz) Soják (Linz, 1978)
- Polemoniaceae**
- 373 *Polemonium caeruleum* L. (Rennes, 2000)

### **Polygonaceae**

- \* 374 *Aconogonon weyrichii* (F. Schmidt ex Maxim.) H. Hara (*Insula Sachalin*, 1961)
- + 375 *Homalocladium platycladum* (F. Muell.) L.H. Bailey

### **Primulaceae**

- 376 *Lysimachia clethroides* Duby (Tartu, 1999)
- 377 *Lysimachia punctata* L. (Würzburg, 1967)
- \* 378 *Primula farinosa* L. (*Estonia, Paldiski*, 2001)

### **Ranunculaceae**

- \* 379 *Aconitum anthora* L. (Cogne, 2001)
- 380 *Aconitum orientale* Mill. (Estonia, 1999)
- 381 *Aconitum tokii* Nakai (Trento, 2002)
- 382 *Actaea rubra* (Aiton) Willd. f. *neglecta* (Gillman) B.L. Rob. (Estonia, Tamsa, 1998)
- 383 *Adonis vernalis* L. (Bydgoszcz, 1961)
- \* 384 *Anemone sylvestris* L. (*Estonia, Jäneda*, 1995)
- 385 *Aquilegia flabellata* Siebold et Zucc. var. *pumila* (Huth) Kudô 'Ministar' (Alnarp, 1991)
- 386 *Cimicifuga dahurica* (Turcz.) Torr. et A. Gray ex Maxim. (Warszawa, 1993)
- \* 387 *Cimicifuga racemosa* (L.) Nutt. (Kirtland, 1999)
- 388 *Cimicifuga racemosa* (L.) Nutt. var. *cordifolia* (Pursh) A. Gray (Berlin, 1976)
- 389 *Clematis integrifolia* L. (Oslo, 1957)
- 390 *Delphinium* Pacific Hybrids (Harrogate, 2001)
- \* 391 *Delphinium elatum* L. (Zürich, 2000)
- 392 *Pulsatilla albana* (Steven) Bercht. et J. Presl (Wien, 1998)
- 393 *Pulsatilla patens* (L.) Mill. 'Lutea' (Barnaul, 1962)
- 394 *Pulsatilla vulgaris* Mill. (Vancouver, 1959)
- 395 *Pulsatilla vulgaris* Mill. 'Alba' (Hamburg, 1970)
- 396 *Ranunculus gramineus* L. (Grüningen, 1961)
- 397 *Ranunculus parnassifolius* L. (Reykjavik, 2000)
- 398 *Thalictrum aquilegifolium* L. 'Album'
- 399 *Thalictrum aquilegifolium* L. 'Album' (Trondheim, 1992)
- 400 *Trollius chinensis* Bunge (Edmonton, 1987)

### **Rhamnaceae**

- \* 401 *Frangula alnus* Mill. (*Tallinn*, 1971)
- \* 402 *Rhamnus alpinus* L. (Champex, 1992)
- 403 *Rhamnus diamantiaca* Nakai (Vladivostok, 1973)
- 404 *Rhamnus fallax* Boiss. (Szombathely, 1974)

### **Rosaceae**

- 405 *Alchemilla epipsila* Juz. (Moscow, 1982)
- 406 *Amelanchier laevis* Wiegand (Washington, 1975)
- 407 *Amelanchier lamarckii* F.G. Schroed.
- 408 *Amelanchier obovalis* (Michx.) Ashe (Estonia, Kaerepere, 1999)
- 409 *Amelanchier ovalis* Medik. (Ljubljana, 1959)
- 410 *Amelanchier sanguinea* (Pursh) DC. (Hørsholm, 1994)
- 411 *Amelanchier spicata* (Lam.) K. Koch
- 412 *Amygdalus nana* L.
- 413 *Aronia arbutifolia* (L.) Pers. f. *leiocalyx* Rehder (Essen, 1957)

- 414 *Aronia melanocarpa* (Michx.) Elliot (Wisley, 1996)
- 415 *Aronia x prunifolia* (C.K. Schneid.) Graebn.
- 416 *Aronia x prunifolia* (C.K. Schneid.) Graebn. 'Floribunda' (Kiel, 1996)
- 417 *Aruncus dioicus* (Walter) Fernald
- 418 *x Cerapadus miczurinii* Miczurin (Khorog, 1963)
- 419 *Cerasus avium* (L.) Moench
- 420 *Cerasus maximowiczii* (Rupr.) Kom. (Vladivostok, 1965)
- 421 *Chaenomeles japonica* (Thunb.) Lindl. ex Spach
- A 422 *Cotoneaster dielsianus* E. Pritz. (Kaunas, 1961)
- 423 *Cotoneaster foveolatus* Rehder et E.H. Wilson
- 424 *Cotoneaster lucidus* Schltld.
- 425 *Cotoneaster nebrodensis* (Guss.) K. Koch (Paris, 1957)
- A 426 *Cotoneaster praecox* (Bois et Berthault) M. Vilm. (Stockholm, 1957)
- 427 *x Crataegosorbus miczurinii* Pojark.
- 428 *Crataegus chrysocarpa* Ashe (Tartu, 1958)
- 429 *Crataegus chrysocarpa* Ashe var. *phoenicea* Palmer (Helsinki, 1960)
- \* 430 *Crataegus crus-galli* L. (East Lansing, 1974)
- 431 *Crataegus douglasii* Lindl.
- 432 *Crataegus dsungarica* Zabel ex Lange (Samara, 1957)
- \* 433 *Crataegus monogyna* Jacq. (Wien, 1975)
- 434 *Crataegus pedicellata* Sarg. (Salaspils, 1979)
- 435 *Crataegus punctata* Jacq. (Almaty, 1957)
- 436 *Crataegus punctata* Jacq. f. *intermedia* Kruschke (Almaty, 1957)
- \* 437 *Crataegus rhipidophylla* Gand. (Salaspils, 1979)
- 438 *Crataegus submollis* Sarg. (Samara, 1957)
- 439 *Crataegus succulenta* (Link) Schrad. var. *macracantha* (Lodd.) Ettl. (Estonia, Järvelja, 1997)
- \* 440 *Crataegus turkestanica* Pojark. (*Pamir-Alai, Iskander-Kul*, 1962)
- 441 *Dryas octopetala* L. (Tartu, 1950)
- 442 *Exochorda x macrantha* (Lemoine) C.K. Schneid.
- 443 *Exochorda racemosa* (Lindl.) Rehder
- 444 *Exochorda serratifolia* S. Moore (Beijing, 1989)
- \* 445 *Filipendula kamtschatica* (Pall.) Maxim. (*Insula Sachalin*, 1961)
- 446 *Holodiscus discolor* (Pursh) Maxim.
- 447 *Holodiscus dumosus* (Nutt. ex Hook.) A. Heller (Oslo, 1995)
- 448 *Malus baccata* (L.) Borkh. (Vladivostok, 1973)
- 449 *Malus x micromalus* Makino (Hørsholm, 1991)
- 450 *Malus sargentii* Rehder (Sapporo, 1991)
- 451 *Malus sieboldii* (Rehder) Fiala 'Calocarpa' (Salaspils, 1990)
- \* 452 *Malus toringo* (Siebold) Siebold ex de Vriese (Lviv, 1959)
- A 453 *Malus toringo* (Siebold) Siebold ex de Vriese (Pyongyang, 1985)
- 454 *Malus transitoria* (Batalin) C.K. Schneid. (København, 1974)
- 455 *Padus serotina* (Ehrh.) Borkh.
- 456 *Photinia villosa* (Thunb.) DC. (Vancouver, 1959)
- 457 *Physocarpus amurensis* (Maxim.) Maxim. (København, 1958)
- 458 *Physocarpus capitatus* (Pursh) Kuntze (Bruxelles, 1957)
- \* 459 *Physocarpus monogynus* (Torr.) Coult. (Washington, 1978)

- 460 *Physocarpus opulifolius* (L.) Maxim.  
 461 *Physocarpus opulifolius* (L.) Maxim. var. *intermedius* (Rydb.) B.L. Rob.  
 462 *Potentilla alchemilloides* Lapeyr. (Poznań, 1991)  
 463 *Potentilla atrosanguinea* Lodd. ex D. Don var. *argyrophylla* (Wall. ex Lehm.) Grierson et D.G. Long (Berlin-Dahlem, 1991)  
 \* 464 *Potentilla fruticosa* L. (*Estonia, Laulasmaa*, 1972)  
 465 *Prunus cerasifera* Ehrh. ssp. *divaricata* (Ledeb.) C.K. Schneid.  
 \* 466 *Pyrus pyraeaster* Burgsd. (*Germania, Insula Vilm*, 1994)  
 + 467 *Rhaphiolepis umbellata* (Thunb.) Makino  
 468 *Rhodotypos scandens* (Thunb.) Makino  
 \* 469 *Rosa acicularis* Lindl. (*Rossia extremiorientalis, Zeya*, 1975)  
 470 *Rosa acicularis* Lindl. var. *nipponensis* (Crép.) Koehne (Kyoto, 1982)  
 \* 471 *Rosa amblyotis* C.A. Mey. (*Insula Sachalin, Yuzhno-Sakhalinsk*, 1981)  
 472 *Rosa arvensis* Huds.  
 \* 473 *Rosa blanda* Aiton (Philadelphia, 1983)  
 474 *Rosa carolina* L. var. *grandiflora* (Baker) Rehder (Glencoe, 1988)  
 \* 475 *Rosa corymbifera* Borkh. (*Tianschan occidentalis, Chimgan*, 1981)  
 476 *Rosa davurica* Pall. (Vladivostok, 1990)  
 477 *Rosa elegantula* Rolfe (Leiden, 1957)  
 478 *Rosa gallica* L. (Cluj-Napoca, 1983)  
 479 *Rosa gallica* L. (Düsseldorf, 1988)  
 480 *Rosa glauca* Pourr. (Riga, 1963)  
 481 *Rosa helenae* Rehder et E.H. Wilson (Ashgabat, 1957)  
 482 *Rosa hemsleyana* Täckh. (Stockholm, 1957)  
 483 *Rosa jundzillii* Besser (Tübingen, 1985)  
 484 *Rosa x macrantha* Desp. (Kalmthout, 1961)  
 485 *Rosa majalis* Herrm.  
 \* 486 *Rosa maximowicziana* Regel (*Rossia extremiorientalis, Shamora*, 1980)  
 487 *Rosa moyesii* Hemsl. et E.H. Wilson  
 488 *Rosa multiflora* Thunb. ex Murray (Koshigaya, 1983)  
 489 *Rosa nitida* Willd. (Helsinki, 1992)  
 490 *Rosa nitidula* Besser  
 \* 491 *Rosa nutkana* C. Presl (Vancouver, 1971)  
 492 *Rosa obtusifolia* Desv. (Stockholm, 1963)  
 493 *Rosa palustris* Marshall (Philadelphia, 1983)  
 \* 494 *Rosa pendulina* L. (Tübingen, 1981)  
 495 *Rosa rubiginosa* L.  
 \* 496 *Rosa rugosa* Thunb. (*Insulae Kurilenses, Kunashiri*, 1981)  
 497 *Rosa rugosa* Thunb. 'Alba' (Nijmegen, 1988)  
 498 *Rosa setipoda* Hemsl. et E.H. Wilson (Helsinki, 1960)  
 499 *Rosa sherardii* Davies (Leiden, 1987)  
 \* 500 *Rosa spinosissima* L. (*Sibiria australis, Aktash*, 1986)  
 501 *Rosa spinosissima* L. 'Plena' (Kalmthout, 1961)  
 502 *Rosa stylosa* Desv. (Düsseldorf, 1996)  
 \* 503 *Rosa subcanina* (H. Christ) Dalla Torre et Sarnth. (Genova, 1982)  
 504 *Rosa sweginzowii* Koehne (Kalmthout, 1961)  
 505 *Rosa tomentosa* Sm. (Liège, 1984)



- 506 *Rosa turcica* Rouy (Amsterdam, 1958)  
 507 *Rosa villosa* L.  
 508 *Rosa virginiana* Herrm. (Strasbourg, 1996)  
 \* 509 *Rosa vosagiaca* Desp. (Hamburg, 1986)  
 \* 510 *Rosa woodsii* Lindl. var. *fendleri* (Crép.) Rehder (Canada, Golden Seed Service, 1986)  
 511 *Rubus laciniatus* Willd. (Amsterdam, 1958)  
 512 *Rubus occidentalis* L. (South Hadley, 1997)  
 \* 513 *Rubus odoratus* L. (Montréal, 1970)  
 \* 514 *Rubus parvifolius* L. (*Insulae Kurilenses, Kunashiri*, 1982)  
 \* 515 *Sanguisorba dodecandra* Moretti (Berlin-Dahlem, 1999)  
 516 *Sanguisorba hakusanensis* Makino (Northampton, 1995)  
 517 *Sibiraea altaiensis* (Laxm.) C.K. Schneid.  
 \* 518 *Sorbaria sorbifolia* (L.) A. Braun (*Rossia extremiorientalis, Svetlaya*, 1977)  
 \* 519 *Sorbus amurensis* Koehne (*Rossia extremiorientalis, Mt. Khualaza*, 1961)  
 \* 520 *Sorbus aucuparia* L. (*Tallinn*, 1973)  
 521 *Sorbus commixta* Hedl. (Sapporo, 1967)  
 522 *Sorbus commixta* Hedl. 'Serotina' (Essen, 1958)  
 523 *Sorbus decora* (Sarg.) C.K. Schneid. (Philadelphia, 1975)  
 524 *Sorbus koehneana* C.K. Schneid. (Estonia, Kokemäe, 1984)  
 525 *Sorbus mougeotii* Soy.-Will. (Stockholm, 1958)  
 \* 526 *Spiraea alba* Du Roi (Montréal, 1983)  
 \* 527 *Spiraea latifolia* (Aiton) Borkh. (Montréal, 1982)  
 528 *Spiraea* × *margaritae* Zabel (Genève, 1965)  
 \* 529 *Spiraea miyabei* Koidz. (Helsinki, 1994)  
 530 *Spiraea rosthornii* Pritz. (Moscow, 1975)

#### **Rubiaceae**

- 531 *Asperula purpurea* (L.) Ehrend. (Cluj-Napoca, 1991)  
 \* 532 *Cruciata laevipes* Opiz (Siena, 1993)  
 533 *Galium arenarium* Loisel. (Villers-lès-Nancy, 1993)  
 + 534 *Psychotria punctata* Vatke (Düsseldorf, 2001)

#### **Rutaceae**

- 535 *Dictamnus albus* L. (Moscow, 1959)  
 + 536 *Murraya paniculata* (L.) Jack (Store Milde, 1986)  
 537 *Phellodendron amurense* Rupr.  
 538 *Phellodendron lavalleyi* Dode (Coimbra, 1966)  
 \* 539 *Phellodendron sachalinense* (F. Schmidt) Sarg. (*Insula Sachalin, Yuzhno-Sakhalinsk*, 1962)  
 540 *Ptelea trifoliata* L.  
 541 *Ruta graveolens* L.

#### **Saxifragaceae**

- 542 *Astilbe biternata* (Vent.) Britton (Framingham, 1990)  
 543 *Astilbe chinensis* (Maxim.) Franch. et Sav. (Essen, 1990)  
 544 *Astilbe congesta* Nakai (Dresden, 1990)  
 545 *Astilbe microphylla* Knoll (Leiden, 1989)  
 546 *Astilbe rivularis* Buch.-Ham. (Essen, 1989)  
 547 *Astilbe simplicifolia* Makino (St. Gallen, 2000)

- 548 *Astilboides tabularis* (Hemsl.) Engl.  
 549 *Heuchera americana* L. (Marburg, 1979)  
 550 *Peltoboykinia tellimoides* (Maxim.) Hara (Yekaterinburg, 1988)  
 551 *Rodgersia podophylla* A. Gray (Wien, 1967)  
 552 *Saxifraga manshuriensis* Kom. (Moscow, 1982)  
 553 *Saxifraga rotundifolia* L.  
 554 *Saxifraga umbrosa* L.  
 555 *Tellima grandiflora* (Pursh) Douglas ex Lindl.  
**Schisandraceae**  
 \* 556 *Schisandra chinensis* (Turcz.) Baill. (*Rossia extremiorientalis*, Mt. Khualaza, 1961)  
**Scrophulariaceae**  
 557 *Asarina procumbens* Mill. (Wisley, 2003)  
 558 *Digitalis grandiflora* Mill. (Prague, 2002)  
 559 *Mimulus guttatus* Fisch. ex DC. (Amsterdam, 1959)  
 560 *Penstemon digitalis* Nutt. (Stěbořice, 1995)  
 561 *Penstemon digitalis* Nutt. 'Purpurea' (Prague, 2001)  
 562 *Synthyris stellata* Pennell (Oslo, 1977)  
 + 563 *Tetranema roseum* (M. Martens et Galeotti) Standl. et Steyerm.  
 564 *Veronicastrum sibiricum* (L.) Pennell (Innsbruck, 1996)  
**Solanaceae**  
 565 *Lycium barbarum* L. (Beijing, 1957)  
 566 *Physochlaina orientalis* (M. Bieb.) G. Don (Moscow, 1990)  
 \* 567 *Physochlaina orientalis* (M. Bieb.) G. Don (Pyatigorsk, 2004)  
 568 *Solanum dulcamara* L.  
 569 *Solanum dulcamara* L. f. *album* (Weston) Rehder  
 \* 570 *Solanum kitagawae* Schoenb.-Tem. (Krasnojarsk, 1991)  
 + 571 *Solanum quitoense* Lam. (Tartu, 2003)  
**Tiliaceae**  
 572 *Tilia amurensis* Rupr.  
 573 *Tilia japonica* (Miq.) Simonk. (Kyoto, 1974)  
 574 *Tilia platyphyllos* Scop. 'Vitifolia' (Århus, 1972)  
 575 *Tilia platyphyllos* Scop. ssp. *cordifolia* (Besser) C.K. Schneid. (Estonia, Harku, 1964)  
**Verbenaceae**  
 + 576 *Clerodendrum speciosissimum* Van Geert (Dresden, 1997)  
 + 577 *Lantana camara* L. (St. Petersburg, 1971)  
 + 578 *Stachytarpheta jamaicensis* (L.) Vahl (Mauritius, 2003)  
**Violaceae**  
 579 *Viola elatior* Fr. (Mühlhausen, 1979)  
 580 *Viola odorata* L. (Tallinn, 1989)  
**Vitaceae**  
 581 *Parthenocissus quinquefolia* (L.) Planch. emend. Rehder  
 582 *Vitis amurensis* Rupr. (Tallinn, 1965)

## **Monocotyledoneae**

### **Alliaceae**

- 583 *Allium alexeianum* Regel (Salaspils, 1998)  
584 *Allium amplexans* Torr.  
585 *Allium atropurpureum* Waldst. et Kit.  
\* 586 *Allium auctum* Omelcz. (*Tauria*, Mt. Ayu-Dag, 1980)  
587 *Allium brevistylum* S. Watson (Grenoble, 1998)  
588 *Allium carinatum* L. ssp. *pulchellum* (G. Don) Bonnier et Layens (Eberswalde, 1993)  
589 *Allium carinatum* L. ssp. *pulchellum* (G. Don) Bonnier et Layens 'Album' (Budapest, 1992)  
590 *Allium carolinianum* DC. (Rostock, 1994)  
591 *Allium cernuum* Roth  
592 *Allium christophii* Trautv.  
593 *Allium crenulatum* Wiegand (Göteborg, 1992)  
\* 594 *Allium ericetorum* Thore (Graz, 1995)  
595 *Allium flavum* L. (Salzburg, 1998)  
\* 596 *Allium flavum* L. var. *minor* Boiss. (Linz, 1996)  
\* 597 *Allium geyeri* S. Watson (Salaspils, 1998)  
598 *Allium gooddingii* Ownbey (Göteborg, 1999)  
599 *Allium hollandicum* R.M. Fritsch 'Album' (Latvia, Rozula, 2001)  
600 *Allium hymenorrhizum* Ledeb. (Leipzig, 1997)  
601 *Allium jesdianum* Boiss. (Estonia, Tamsa, 1998)  
\* 602 *Allium karataviense* Regel (Salaspils, 1998)  
603 *Allium obliquum* L.  
604 *Allium pendulinum* Ten. (Göttingen, 2000)  
605 *Allium scorzonerifolium* Desf. ex DC.  
\* 606 *Allium sphaerocephalon* L. (Cogne, 1996)  
607 *Allium stellatum* Ker-Gawl.  
608 *Allium suaveolens* Jacq. (Lyon, 1995)  
609 *Allium zebdanense* Boiss. et Noé  
610 *Allium ursinum* L.  
611 *Allium validum* S. Watson (Wien, 1996)  
612 *Allium victorialis* L.  
613 *Caloscordum neriniflorum* Herb. (Novosibirsk, 2000)  
614 *Nothoscordum bivalve* (L.) Britt. (Stuttgart, 1994)

### **Amaryllidaceae**

- 615 *Galanthus platyphyllus* Traub et Moldenke (Lviv, 1978)  
\* 616 *Galanthus plicatus* M. Bieb. (*Tauria*, Mt. Ai-Petri, 1965)  
+ 617 *Haemanthus albiflos* Jacq.  
\* 618 *Leucojum vernalis* L. var. *carpathicum* Sweet (*Carpatas orientales*, Biltse Volitsa, 1977)  
619 *Narcissus bulbocodium* L. (Riga, 1986)  
620 *Narcissus minor* L.  
621 *Narcissus radiiflorus* Salisb. (Salzburg, 1999)  
622 *Narcissus rupicola* Dufour (Wuppertal, 1994)

### **Anthericaceae**

623 *Anthericum ramosum* L. (Bremen, 1990)

624 *Anthericum ramosum* L. (Marburg, 1987)

### **Araceae**

+ 625 *Anthurium bakeri* Hook. f. (Montréal, 1961)

\* 626 *Arisaema triphyllum* (L.) Schott (South Hadley, 1998)

\* 627 *Arum maculatum* L. (*Caucasus borealis*, *Gelendzhik*, 1989)

+ 628 *Remusatia vivipara* (Roxb.) Schott (Tübingen, 1987)

### **Asphodelaceae**

629 *Paradisea liliastrum* (L.) Bertol. (Estonia, Viljandi, 1946)

### **Bromeliaceae**

+ 630 *Acanthostachys strobilacea* (Schult. f.) Klotzsch

+ 631 *Puya mirabilis* (Mez) L.B. Sm. (Gent, 1976)

### **Colchicaceae**

632 *Bulbocodium vernum* L.

633 *Colchicum diampolis* Delip. et Ceschm. (Budapest, 1994)

634 *Colchicum speciosum* Stev.

635 *Colchicum szovitsii* Fisch. et C.A. Mey.

### **Commelinaceae**

+ 636 *Cyanotis somaliensis* C.B. Clarke

+ 637 *Tradescantia spathacea* Sw.

### **Convallariaceae**

\* 638 *Polygonatum multiflorum* (L.) All. (*Estonia*, *Puhtu*, 2000)

639 *Polygonatum verticillatum* (L.) All.

### **Costaceae**

+ 640 *Costus speciosus* (J. König) Sm. (Köln, 1971)

### **Cyperaceae**

+ 641 *Kyllinga monocephala* Rottb. (Stockholm, 1972)

642 *Scirpus atrovirens* Willd. (East Lansing, 2004)

### **Hyacinthaceae**

643 *Bellevalia forniculata* (Fomin) Deloney (Göteborg, 1987)

644 *Bellevalia pycnantha* (K. Koch) Losinsk.

645 *Bellevalia sarmatica* (Georgi) Woronow (Krivoy Rog, 1998)

646 *Brimeura amethystina* (L.) Chouard (Montevideo, 1969)

647 *Brimeura amethystina* (L.) Chouard 'Alba' (Essen, 1974)

648 *Camassia cusickii* S. Watson (Halle, 1961)

649 *Chionodoxa luciliae* Boiss. 'Alba'

650 *Chionodoxa sardensis* Whittall (Birmingham, 1961)

651 *Hyacinthoides hispanica* (Mill.) Rothm. (Nantes, 1994)

652 *Muscari comosum* (L.) Mill. (Prague, 1994)

653 *Muscari latifolium* J. Kirk (Leipzig, 1996)

654 *Muscari pallens* (M. Bieb.) Fisch.

655 *Muscari tenuiflorum* Tausch (Oslo, 1995)

\* 656 *Ornithogalum fimbriatum* Willd. (*Tauria*, *Mt. Ai-Petri*, 1965)

657 *Ornithogalum nutans* L.

658 *Ornithogalum oligophyllum* E.D. Clarke

659 *Ornithogalum orthophyllum* Ten. (Estonia, Tamsa, 1999)

- 660 *Ornithogalum sintenisii* Freyn (Salaspils, 1987)
- 661 *Puschkinia scilloides* Adams 'Alba'
- 662 *Scilla litardierei* Breistr.
- 663 *Scilla mischtschenkoana* Grossh.
- 664 *Scilla rosenii* K. Koch
- 665 *Scilla siberica* Haw. 'Alba' (Edinburgh, 1962)

**Iridaceae**

- 666 *Crocus biflorus* Mill. ssp. *tauri* (Maw) B. Mathew
- \* 667 *Crocus vernus* (L.) Hill (*Carpates orientales*, *Sredne-Veretski*, 1977)
- 668 *Iris aphylla* L. (Göttingen, 1998)
- 669 *Iris graminea* L. (Tbilisi, 1978)
- \* 670 *Iris pseudacorus* L. (*Estonia*, *Kloostrimetsa*, 2004)
- 671 *Iris versicolor* L. (Meise, 1993)

**Liliaceae**

- 672 *Erythronium caucasicum* Woronow (Stavropol, 1964)
- \* 673 *Erythronium dens-canis* L. (*Carpates orientales*, *Lipcha*, 1977)
- 674 *Erythronium sibiricum* (Fisch. et C.A. Mey.) Krylov (St. Petersburg, 1983)
- 675 *Fritillaria acmopetala* Boiss. (Oxford, 1975)
- 676 *Fritillaria bucharica* Regel (Estonia, Tartu, 1999)
- 677 *Fritillaria caucasica* Adams (Göteborg, 1995)
- 678 *Fritillaria meleagris* L.
- 679 *Fritillaria meleagroides* Patrin ex Schult. et Schult. f.
- 680 *Fritillaria michailovskyi* Fomin
- 681 *Fritillaria pallidiflora* Schrenk
- 682 *Fritillaria ruthenica* Wickstr. (Moscow, 1994)
- 683 *Fritillaria tubiformis* Gren. et Godr. (Oslo, 1993)
- 684 *Lilium pardalinum* Kellogg (Tallinn, 1991)
- 685 *Tulipa kaufmanniana* Regel

**Melanthiaceae**

- 686 *Veratrum nigrum* L. (Trieste, 1978)

**Zingiberaceae**

- + 687 *Brachychilum horsfieldii* (R. Br. ex Wall.) Petersen (Bratislava, 1991)
- + 688 *Burbridgea schizocheila* W. Hackett (Düsseldorf, 2000)
- + 689 *Hedychium coccineum* Buch.-Ham. (Jena, 1972)
- + 690 *Hedychium gardnerianum* Ker-Gawl.

**Trilliaceae**

- 691 *Trillium cernuum* L. (South Hadley, 1997)
- 692 *Trillium erectum* L. (South Hadley, 1997)
- 693 *Trillium erectum* L. f. *luteum* Louis-Marie (Estonia, Tartu, 1998)

Seminum collectores: J. Elliku, H. Dikker, T. Jaanus, A. Kaur, K. Kirotar, I. Laube, J. Mettik, L. Mik, I. Mägar, M. Raidma, M. Seidelberg, E. Siibak, A. Vammus, A. Visnapuu

**II Semina et sporae plantarum spontanearum in diversis  
regionibus Estoniae collecta  
PTERIDOPHYTA**

**Dryopteridaceae**

- 694 *Dryopteris filix-mas* (L.) Schott - fresh boreo-nemoral *Lunaria* ash (*Lunario–Fraxinetum*) forest, Rannamõisa, Harju county, N Estonia 59°26'36" N 024°31'08" E 03.11.2005 SJ, OA

**Polypodiaceae**

- 695 *Polypodium vulgare* L. - sandstone, fresh boreo-nemoral *Lunaria* ash (*Lunario–Fraxinetum*) forest, Ubari, Harju county, N Estonia 59°29'24" N 025°18'36" E 01.08.2005 SJ

**SPERMATOPHYTA**

**GYMNOSPERMAE**

**Cupressaceae**

- 696 *Juniperus communis* L. - dry alvar *Calamagrostis* birch (*Calamagrostio–Betuletum*) forest, Sarve Peninsula, Hiiumaa Island, W Estonia 58°51'39" N 023°02'02" E 30.09.2005 MR

**ANGIOSPERMAE**

**Dicotyledoneae**

**Aceraceae**

- 697 *Acer platanoides* L. - fresh boreo-nemoral *Lunaria* ash (*Lunario–Fraxinetum*) forest, Rannamõisa, Harju county, N Estonia 59°26'37" N 024°31'05" E 03.11.2005 MR

**Apiaceae**

- 698 *Aegopodium podagraria* L. - fresh boreo-nemoral (*Deschampsio cespitosae–Ranunculetum acris*) grassland, Kloostrimetsa, Tallinn, N Estonia 59°27'57" N 024°52'59" E 22.07.2005 MR
- 699 *Anthriscus sylvestris* (L.) Hoffm. - roadside, Sarve Peninsula, Hiiumaa Island, W Estonia 58°51'39" N 023°01'59" E 01.10.2005 M R
- 700 *Carum carvi* L. - fresh boreo-nemoral (*Festuco rubrae–Deschampsietum cespitosae*) grassland (meadow), Laukna, Rapla county, NW Estonia 58°55'03" N 024°12'18" E 30.07.2005 VK
- 701 *Carum carvi* L. - fresh boreo-nemoral (*Festuco rubrae–Deschampsietum cespitosae*) grassland, Anelema, Pärnu county, SW Estonia 58°37'50" N 024°34'22" E 14.08.2005 SJ
- 702 *Daucus carota* L. - fresh alvar (*Carici flaccae–Seslerietum*) grassland with *Juniperus communis*, Sarve Peninsula, Hiiumaa Island, W Estonia 58°50'27" N 023°02'20" E 30.09.2005 MR
- 703 *Daucus carota* L. - waste land, near Dejevo bunker, Karujärve, Saaremaa Island, W Estonia 58°24'13" N 022°11'12" E 15.08.2005 K K
- 704 *Daucus carota* L. - waste land, near Patareisadam, Tallinn, N Estonia 59°26'49" N 024°45'21" E 10.01.2006 OA
- 705 *Heracleum sphondylium* L. ssp. *sibiricum* (L.) Simonk. - fresh boreo-nemoral (*Deschampsio cespitosae–Ranunculetum acris*) grassland, Kloostrimetsa, Tallinn, N Estonia 59°27'58" N 024°52'56" E 22.07.2005 MR

706 *Myrrhis odorata* (L.) Scop. - naturalized, Einmanni Park, Lääne-Viru county, N Estonia 59°08'16" N 026°01'53" E 06.12.2005 O A, SJ

#### **Asteraceae**

707 *Achillea millefolium* L. - fresh alvar (*Deschampsietum cespitosae*) grassland, Rannamõisa, Harju county, N Estonia 59°26'18" N 024°32'14" E 03.11.2005. SJ

708 *Achillea millefolium* L. - sandy seashore, Rannamõisa, Harju county, N Estonia 59°26'36" N 024°31'10" E 03.11.2005. OA

709 *Anthemis tinctoria* L. - dry alvar (*Arrhenatheretum*) grassland on glint, Kadaka, Tallinn, N Estonia 59°23'49" N 024°38'32" E 19.07.2005 OA, JE

710 *Anthemis tinctoria* L. - dry alvar (*Arrhenatheretum*) grassland on glint, Maarjamäe, Tallinn, N Estonia 59°27'04" N 024°48'49" E 26.07.2005 OA

711 *Bidens tripartita* L. - sandy seashore, Rannamõisa, Harju county, N Estonia 59°26'38" N 024°30'55" E 03.11.2005 OA, SJ, MR

712 *Carduus crispus* L. - sandy seashore, Rannamõisa, Harju county, N Estonia 59°26'38" N 024°30'55" E 03.11.2005 OA

713 *Cirsium arvense* (L.) Scop. - pebbly seashore, Kalasadam, Tallinn, N Estonia 59°26'53" N 024°44'45" E 27.07.2005 MR

714 *Cirsium oleraceum* (L.) Scop. - arboretum, Kloostrimetsa, Tallinn, N Estonia 59°28'03" N 024°52'41" E 06.09.2005 MR

715 *Crepis biennis* L. - dry boreo-nemoral (*Medicagini–Festucetum rubrae*) grassland, Ubari, Harju county, N Estonia 59°29'05" N 025°19'14" E 01.08.2005 SJ

716 *Hieracium pilosella* L. - dry alvar (*Ditricho–Thymetum*) grassland on glint, Kadaka, Tallinn, N Estonia 59°23'49" N 024°38'34" E 19.07.2005 OA

717 *Leontodon hispidus* L. - fresh boreo-nemoral (*Festuco rubrae–Deschampsietum cespitosae*) grassland (meadow), Laukna, Rapla county, NW Estonia 58°55'03" N 024°12'18" E 30.07.2005 VK

718 *Leontodon hispidus* L. - roadside, Sarve Peninsula, Hiiumaa Island, W Estonia 58°51'09" N 023°03'06" E 01.10.2005 MR

719 *Senecio vulgaris* L. - sandy seashore, Rannamõisa, Harju county, N Estonia 59°26'38" N 024°30'55" E 03.11.2005 MR

720 *Solidago virgaurea* L. - dry boreo-nemoral *Hepatica spruce* (*Hepatico–Piceetum*) forest, Rannamõisa, Harju county, N Estonia 59°26'09" N 024°32'27" E 03.11.2005 SJ, MR

721 *Solidago virgaurea* L. - fresh alvar (*Calamagrostio–Pinetum*) forest, Kohila, Rapla county, NW Estonia 59°09'42" N 024°44'56" E 11.09.2005 UL

722 *Tanacetum vulgare* L. - pebbly seashore, Sarve Peninsula, Hiiumaa Island, W Estonia 58°50'53" N 023°03'25" E 01.10.2005 M R

723 *Tanacetum vulgare* L. - roadside, Kloostrimetsa, Tallinn, N Estonia 59°28'18" N 024°52'53" E 15.09.2005 MR

724 *Tragopogon pratensis* L. - fresh boreo-nemoral (*Festuco rubrae–Deschampsietum cespitosae*) grassland (meadow), Laukna, Rapla county, NW Estonia 58°55'03" N 024°12'18" E 30.07.2005 VK

725 *Tripleurospermum perforatum* (Mérat) Lainz - roadside, Merivälja, Tallinn, N Estonia 59°29'17" N 024°50'21" E 17.11.2005 M R

#### **Balsaminaceae**

726 *Impatiens parviflora* DC. - arboretum, Kloostrimetsa, Tallinn, N Estonia 59°28'13" N 024°52'54" E 29.09.2005 MR

#### **Berberidaceae**

727 *Berberis vulgaris* L. - dry alvar *Calamagrostis* birch (*Calamagrostio–Betuletum*) forest, Sarve Peninsula, Hiiumaa Island, W Estonia 58°51'39" N 023°02'02" E

30.09.2005 MR

**Betulaceae**

- 728 *Alnus glutinosa* (L.) Gaertn. - sandy seashore, Rannamõisa, Harju county, N Estonia 59°26'37" N 024°31'01" E 03.11.2005 M R
- 729 *Betula nana* L. - (mixotrophic) transitional bog pine forest, Rõõsa, Harju county, N Estonia 59°08'37" N 025°17'11" E 06.09.2005 O A, AK, VK, MR
- 730 *Betula pendula* Roth - roadside, Sarve Peninsula, Hiiumaa Island, W Estonia 58°51'39" N 023°01'59" E 01.10.2005 MR

**Brassicaceae**

- 731 *Arabis hirsuta* (L.) Scop. - dry alvar (*Arrhenatheretum*) grassland on glint, Kadaka, Tallinn, N Estonia 59°23'49" N 024°38'32" E 19.07.2005 OA, JE
- 732 *Barbarea arcuata* (Opiz ex J. et C. Presl) Rchb. - dry alvar (*Arrhenatheretum*) grassland on glint, Kadaka, Tallinn, N Estonia 59°23'49" N 024°38'32" E 19.07.2005 OA, JE
- 733 *Thlaspi arvense* L. - roadside, Maarjamäe, Tallinn, N Estonia 59°26'48" N 024°48'54" E 26.07.2005 SJ

**Campanulaceae**

- 734 *Campanula latifolia* L. - naturalized, Kaiavere Park, Jõgeva county, E Estonia 58°35'16" N 026°41'47" E 15.09.2005 AK, OA

**Caprifoliaceae**

- 735 *Lonicera xylosteum* L. - arboretum, Kloostrimetsa, Tallinn, N Estonia 59°28'09" N 024°52'55" E 29.09.2005 MR 04.08.2005 MR
- 736 *Lonicera xylosteum* L. - roadside, Anelema, Pärnu county, SW Estonia 58°37'36" N 024°33'10" E 22.07.2005 SJ
- 737 *Sambucus racemosa* L. - naturalized, arboretum, Kloostrimetsa, Tallinn, N Estonia 59°28'09" N 024°52'55" E 22.07.2005 M R
- 738 *Sambucus racemosa* L. - naturalized, dry alvar (*Ditricho–Thymetum*) grassland on glint, Kadaka, Tallinn, N Estonia 59°23'49" N 024°38'34" E 19.07.2005 OA
- 739 *Viburnum opulus* L. - dry alvar *Calamagrostis* birch (*Calamagrostio–Betuletum*) forest, Sarve Peninsula, Hiiumaa Island, W Estonia 58°51'37" N 023°02'16" E 30.09.2005 MR
- 740 *Viburnum opulus* L. - fresh boreo-nemoral *Lunaria* ash (*Lunario–Fraxinetum*) forest, Rannamõisa, Harju county, N Estonia 59°26'36" N 024°31'05" E 03.11.2005 MR

**Caryophyllaceae**

- 741 *Silene dioica* (L.) Clairv. - arboretum, Kloostrimetsa, Tallinn, N Estonia 59°28'01" N 024°52'41" E 13.07.2005 MR
- 742 *Stellaria aquatica* (L.) Scop. - roadside, Kakumäe, Tallinn, N Estonia 59°25'50" N 024°38'24" E 25.07.2005 MR

**Chenopodiaceae**

- 743 *Atriplex calotheca* (Rafn) Fr. - sandy seashore, Rannamõisa, Harju county, N Estonia 59°26'38" N 024°30'55" E 03.11.2005 O A
- 744 *Atriplex littoralis* L. - sandy seashore, Rannamõisa, Harju county, N Estonia 59°26'38" N 024°30'55" E 03.11.2005 MR
- 745 *Chenopodium album* L. - sandy seashore, Rannamõisa, Harju county, N Estonia 59°26'38" N 024°30'55" E 03.11.2005 SJ



### **Cistaceae**

- 746 *Helianthemum nummularium* (L.) Mill. non Grosser - dry alvar (*Ditricho–Thymetum*) grassland on glint, Maarjamäe, Tallinn, N Estonia 59°27'06" N 024°49'01" E 29.07.2005 SJ
- 747 *Helianthemum nummularium* (L.) Mill. non Grosser - dry alvar *Calamagrostis* birch (*Calamagrostio–Betuletum*) forest, Sarve Peninsula, Hiiumaa Island, W Estonia 58°51'39" N 023°02'02" E 30.09.2005 M R

### **Clusiaceae**

- 748 *Hypericum maculatum* Crantz - dry boreo-nemoral *Hepatica* spruce (*Hepatico–Piceetum*) forest, Rannamõisa, Harju county, N Estonia 59°26'09" N 024°32'27" E 03.11.2005 OA, SJ
- 749 *Hypericum perforatum* L. - dry alvar *Calamagrostis* birch (*Calamagrostio–Betuletum*) forest, Sarve Peninsula, Hiiumaa Island, W Estonia 58°51'39" N 023°02'02" E 01.10.2005 MR

### **Cornaceae**

- 750 *Cornus sanguinea* L. - fresh alvar (*Carici flaccae–Seslerietum*) grassland with *Juniperus communis*, Sarve Peninsula, Hiiumaa Island, W Estonia 58°51'34" N 023°02'16" E 30.09.2005 MR
- 751 *Cornus sanguinea* L. - fresh alvar *Sesleria* pine (*Seslerio–Pinetum*) forest, Kaugatoma, Saaremaa Island, W Estonia 58°07'48" N 022°12'53" E 15.11.2005 JE, AK

### **Crassulaceae**

- 752 *Sedum acre* L. - dry alvar (*Ditricho–Thymetum*) grassland on glint, Kadaka, Tallinn, N Estonia 59°23'49" N 024°38'34" E 19. 07.2005 OA, JE

### **Dipsacaceae**

- 753 *Scabiosa columbaria* L. - dry alvar *Calamagrostis* birch (*Calamagrostio–Betuletum*) forest, Sarve Peninsula, Hiiumaa Island, W Estonia 58°51'39" N 023°02'02" E 30.09.2005 MR
- 754 *Succisa pratensis* Moench - fresh alvar (*Calamagrostio–Pinetum*) forest, Kohila, Rapla county, NW Estonia 59°09'42" N 024°44'56" E 11.09.2005 UL

### **Droseraceae**

- 755 *Drosera rotundifolia* L. - (mixotrophic) transitional bog pine forest, Rõõsa, Harju county, N Estonia 59°08'37" N 025°17'11" E 06.09 .2005 OA, AK, VK, MR

### **Ericaceae**

- 756 *Andromeda polifolia* L. - (mixotrophic) transitional bog pine forest, Rõõsa, Harju county, N Estonia 59°08'37" N 025°17'11" E 06.09 .2005 OA, AK, VK, MR
- 757 *Arctostaphylos uva-ursi* (L.) Spreng. - boreal heath (*Deschampsio flexuosae–Callunetum*) grassland, Kalevi-Liiva, Harju county, N Estonia 59°28'55" N 025°15'12" E 01.11.2005 OA, SJ
- 758 *Calluna vulgaris* (L.) Hull - boreal heath (*Deschampsio flexuosae–Callunetum*) grassland, Kalevi-Liiva, Harju county, N Estonia 59°28'55" N 025°15'12" E 01.11.2005 OA, SJ, MR
- 759 *Ledum palustre* L. - (mixotrophic) transitional bog pine forest, Rõõsa, Harju county, N Estonia 59°08'37" N 025°17'11" E 06.09.2005 OA, AK, VK, MR
- 760 *Ledum palustre* L. - poor paludified *Polytrichum–Vaccinium myrtillus* pine (*Polytricho–Vaccinio–Pinetum*) forest, Kloostrimetsa, Tallinn, N Estonia 59°28'24" N 024°51'54" E 22.07.2005 MR

- 761 *Monotropa hypopitys* L. - fresh boreal *Oxalis–Vaccinium myrtillus* spruce (*Oxali–Vaccinio–Piceetum*) forest, Rõõsa, Harju county, N Estonia 59°08'32" N 025°16'31" E 06.09.2005 OA, AK, VK, MR
- 762 *Vaccinium myrtillus* L. - dry boreal *Vaccinium myrtillus* pine (*Vaccinio myrtilli–Pinetum*) forest, Rõõsa, Harju county, N Estonia 59°08'41" N 025°17'37" E 06.09.2005 OA, AK
- 763 *Vaccinium myrtillus* L. - poor paludified *Polytrichum–Vaccinium myrtillus* pine (*Polytricho–Vaccinio–Pinetum*) forest, Kloostrimetsa, Tallinn, N Estonia 59°28'24" N 024°51'54" E 22.07.2005 MR
- 764 *Vaccinium oxycoccos* L. - mixotrophic quagmire, Lindjärv Lake, Rõõsa, Harju county, N Estonia 59°08'01" N 025°17'56" E 06.09.2005 OA, AK, VK, MR
- 765 *Vaccinium vitis-idaea* L. - boreal heath (*Deschampsio flexuosae–Callunetum*) grassland, Kalevi-Liiva, Harju county, N Estonia 59°28'55" N 025°15'12" E 01.11.2005 OA, SJ
- 766 *Vaccinium vitis-idaea* L. - dry alvar *Calamagrostis* birch (*Calamagrostio–Betuletum*) forest, Sarve Peninsula, Hiiumaa Island, W Estonia 58°51'37" N 023°02'16" E 01.10.2005 MR

#### **Fabaceae**

- 767 *Anthyllis vulneraria* L. - dry alvar (*Arrhenatheretum*) grassland on glint, Kadaka, Tallinn, N Estonia 59°23'49" N 024°38'32" E 19.07.2005 OA, JE
- 768 *Anthyllis vulneraria* L. - fresh alvar (*Carici flaccae–Seslerietum*) grassland with *Juniperus communis*, Sarve Peninsula, Hiiumaa Island, W Estonia 58°51'34" N 023°02'12" E 30.09.2005 MR
- 769 *Lathyrus sylvestris* L. - dry boreo-nemoral *Hepatica* spruce (*Hepatico–Piceetum*) forest, Rannamõisa, Harju county, N Estonia 59°26'09" N 024°32'27" E 01.08.2005 SJ
- 770 *Medicago lupulina* L. - dry alvar (*Ditricho–Thymetum*) grassland on glint, Kadaka, Tallinn, N Estonia 59°23'49" N 024°38'34" E 19.07.2005 OA
- 771 *Medicago lupulina* L. - fresh alvar (*Carici flaccae–Seslerietum*) grassland with *Juniperus communis*, Sarve Peninsula, Hiiumaa Island, W Estonia 58°51'34" N 023°02'12" E 30.09.2005 MR
- 772 *Vicia sepium* L. - dry alvar (*Arrhenatheretum*) grassland on glint, Maarjamäe, Tallinn, N Estonia 59°26'53" N 024°48'50" E 26.07.2005 SJ

#### **Fagaceae**

- 773 *Quercus robur* L. - dry boreal *Vaccinium vitis-idaea* pine (*Vaccinio vitis-idaeo–Pinetum*) forest with oak (*Quercus robur*), Tallinn, N Estonia 59°28'13" N 024°52'45" E 29.09.2005 MR

#### **Gentianaceae**

- 774 *Centaureum littorale* (Turner) Gilmour - saline coastal (*Astero–Triglochin*) meadow, Karala, Saaremaa Island, W Estonia 58°14'46" N 021°55'19" E 18.08.2005 KK

#### **Geraniaceae**

- 775 *Geranium sanguineum* L. - dry boreo-nemoral *Hepatica* spruce (*Hepatico–Piceetum*) forest, Ubari, Harju county, N Estonia 59°29'22" N 025°18'39" E 01.08.2005 SJ

#### **Grossulariaceae**

- 776 *Ribes alpinum* L. - dry alvar (*Ditricho–Thymetum*) grassland on glint, Kadaka, Tallinn, N Estonia 59°23'49" N 024°38'34" E 19.07.2005 JE

- 777 *Ribes alpinum* L. - dry boreal (*Deschampsietum flexuosae*) grassland, Kloostrimetsa, Tallinn, N Estonia 59°28'13" N 024°52'48" E 22.07.2005 MR
- Lamiaceae**
- 778 *Clinopodium vulgare* L. - sandy seashore, Rannamõisa, Harju county, N Estonia 59°26'38" N 024°30'55" E 03.11.2005 OA, SJ, MR
- 779 *Dracocephalum ruyschiana* L. - dry alvar (*Ditricho–Thymetum*) grassland, Rangu, Rapla county, NW Estonia 58°57'19" N 024°23'02" E 18.08.2005 UL
- 780 *Galeopsis bifida* Boenn. - sandy seashore, Rannamõisa, Harju county, N Estonia 59°26'35" N 024°31'09" E 03.11.2005 OA, MR
- 781 *Lycopus europaeus* L. - sandy seashore, Rannamõisa, Harju county, N Estonia 59°26'38" N 024°30'55" E 03.11.2005 OA, MR
- 782 *Prunella vulgaris* L. - arboretum, Kloostrimetsa, Tallinn, N Estonia 59°28'05" N 024°52'48" E 26.07.2005 MR
- 783 *Stachys sylvatica* L. - fresh boreo-nemoral *Lunaria* ash (*Lunario–Fraxinetum*) forest, Maarjamäe, Tallinn, N Estonia 59°26'44" N 024°48'42" E 30.07.2005 SJ
- Linaceae**
- 784 *Linum catharticum* L. - roadside, Sarve Peninsula, Hiiumaa Island, W Estonia 58°51'09" N 023°03'06" E 01.10.2005 MR
- Lythraceae**
- 785 *Lythrum salicaria* L. - pond, Kloostrimetsa, Tallinn, N Estonia 59°28'02" N 024°52'43" E 15.10.2005 MS
- Oleaceae**
- 786 *Fraxinus excelsior* L. - dry boreo-nemoral (*Medicagini–Festucetum rubrae*) grassland, Murksi, Harju county, N Estonia 59°29'55" N 025°44'01" E 01.11.05 MR
- 787 *Fraxinus excelsior* L. - fresh boreo-nemoral *Lunaria* ash (*Lunario–Fraxinetum*) forest, Rannamõisa, Harju county, N Estonia 59°26'37" N 024°31'05" E 03.11.2005 MR
- 788 *Fraxinus excelsior* L. - roadside, Aste, Saaremaa Island, W Estonia 58°20'26" N 022°27'10" E 15.11.2005 AV
- Onagraceae**
- 789 *Oenothera biennis* L. - dry boreal *Vaccinium vitis-idaea* pine (*Vaccinio vitis-idaeo–Pinetum*) forest with oak (*Quercus robur*), Kloostrimetsa, Tallinn, N Estonia 59°28'13" N 024°52'45" E 15.09.2005 MR
- Papaveraceae**
- 790 *Chelidonium majus* L. - dry boreal *Vaccinium vitis-idaea* pine (*Vaccinio vitis-idaeo–Pinetum*) forest with oak (*Quercus robur*), Kloostrimetsa, Tallinn, N Estonia 59°28'15" N 024°52'44" E 06.07.2005 MR
- Plantaginaceae**
- 791 *Plantago lanceolata* L. - dry alvar (*Arrhenatheretum*) grassland on glint, Maarjamäe, Tallinn, N Estonia 59°26'48" N 024°48'51" E 26.07.2005 SJ
- 792 *Plantago major* L. - sandy seashore, Rannamõisa, Harju county, N Estonia 59°26'38" N 024°30'55" E 03.11.2005 OA, SJ, MR
- Plumbaginaceae**
- 793 *Armeria maritima* (Mill.) Willd. ssp. *elongata* (Hoffm.) Bonnier - dry alvar (*Arrhenatheretum*) grassland on glint, Maarjamäe, Tallinn, N Estonia 59°27'09" N 024°49'33" E 23.08.2005 SJ

### **Polygonaceae**

- 794 *Rumex crispus* L. - pebbly seashore, Sarve Peninsula, Hiiumaa Island, W Estonia 58°50'53" N 023°03'25" E 01.10.2005 MR
- 795 *Rumex crispus* L. - sandy seashore, Rannamõisa, Harju county, N Estonia 59°26'38" N 024°30'55" E 03.11.2005 OA, MR
- 796 *Rumex longifolius* DC. - pebbly seashore, Kalasadam, Tallinn, N Estonia 59°26'53" N 024°44'45" E 24.07.2005 MR

### **Primulaceae**

- 797 *Anagallis arvensis* L. - waste land, Kloostrimetsa, Tallinn, N Estonia 59°28'17" N 024°52'59" E 20.10.2005 MS
- 798 *Lysimachia vulgaris* L. - dry boreo-nemoral (*Medicagini–Festucetum rubrae*) grassland, Murksi, Harju county, N Estonia 59°30' 01" N 025°44'10" E 01.11.2005 OA, SJ, MR
- 799 *Primula veris* L. - dry alvar (*Arrhenatheretum*) grassland on glint, Maarjamäe, Tallinn, N Estonia 59°26'53" N 024°48'49" E 28. 07.2005 SJ
- 800 *Primula veris* L. - dry alvar *Calamagrostis* spruce (*Calamagrostio–Piceetum*) forest, Viidu, Saaremaa Island, W Estonia 58°17'1 1" N 022°07'34" E 19.08.2005 KK
- 801 *Primula veris* L. - dry boreo-nemoral *Hepatica* spruce (*Hepatico–Piceetum*) forest, Rannamõisa, Harju county, N Estonia 59°26'09" N 0 24°32'27" E 03.11.2005 OA, MR
- 802 *Primula veris* L. - dry boreo-nemoral *Hepatica* spruce (*Hepatico–Piceetum*) forest, Rannamõisa, Harju county, N Estonia 59°26'09" N 0 24°32'27" E 03.11.2005 OA, MR

### **Ranunculaceae**

- 803 *Actaea spicata* L. - fresh boreo-nemoral *Lunaria* ash (*Lunario–Fraxinetum*) forest, Ubari, Harju county, N Estonia 59°29'14" N 025°18 '59" E 01.08.2005 SJ
- 804 *Anemone sylvestris* L. - dry alvar (*Arrhenatheretum*) grassland on glint, Maarjamäe, Tallinn, N Estonia 59°26'48" N 024°48 '51" E 29.07.2005 SJ
- 805 *Anemone sylvestris* L. - fresh boreo-nemoral (*Festuco rubrae–Deschampsietum cespitosae*) grassland, Anelema, Pärnu county, SW Estonia 58°3 7'50" N 024°34'22" E 20.07.2005 SJ
- 806 *Aquilegia vulgaris* L. - fresh boreo-nemoral (*Festuco rubrae–Deschampsietum cespitosae*) grassland, Anelema, Pärnu county, SW Estonia 58°3 7'50" N 024°34'22" E 14.09.2005 SJ
- 807 *Pulsatilla pratensis* (L.) Mill. - dry boreal grassland (*Deschampsietum flexuosae*), Kloostrimetsa, Tallinn, N Estonia 59°28'13" N 024 °52'49" E 06.07.2005 MR
- 808 *Pulsatilla pratensis* (L.) Mill. - gray dune (*Galio veri–Thymetum*) community, Kalvi, Ida-Viru county, N Estonia 59°28'47" N 026°48'55' ' E 02.08.2005 SJ
- 809 *Ranunculus sceleratus* L. - sandy seashore, Rannamõisa, Harju county, N Estonia 59°26'38" N 024°30'55" E 03.11.2005 O A, MR

### **Rhamnaceae**

- 810 *Frangula alnus* Mill. - pebbly seashore, Sarve Peninsula, Hiiumaa Island, W Estonia 58°50'53" N 023°03'25" E 01.10.2005 M R
- 811 *Rhamnus cathartica* L. - pebbly seashore, Sarve Peninsula, Hiiumaa Island, W Estonia 58°50'53" N 023°03'25" E 01.10.2005 M R

## Rosaceae

- 812 *Agrimonia eupatoria* L. - dry boreal (*Festuco rubrae–Agrostietum capillaris*) grassland, Muike, Lääne-Viru county, N Estonia 59°31'01" N 025°56'04" E 01.11.2005 OA, SJ, MR
- 813 *Agrimonia eupatoria* L. - fresh alvar (*Calamagrostio–Pinetum*) forest, Kohila, Rapla county, NW Estonia 59°09'42" N 024°44'56" E 11.09.2005 UL
- 814 *Cotoneaster rannensis* B. Hylmö et J. Fryer - dry boreo-nemoral *Hepatica* spruce (*Hepatico–Piceetum*) forest, Ubari, Harju county, N Estonia 59°29'22" N 025°18'39" E 01.08.2005 SJ, OA
- 815 *Cotoneaster scandinavicus* B. Hylmö - roadside, Sarve Peninsula, Hiiumaa Island, W Estonia 58°50'22" N 023°02'19" E 30.0 9.2005 MR
- 816 *Filipendula ulmaria* (L.) Maxim. ssp. *denudata* (J. et C. Presl) Hayek - sandy seashore, Rannamõisa, Harju county, N Estonia 59°26'35" N 024°31'09" E 03.11.2005 MR
- 817 *Filipendula vulgaris* Moench - dry boreo-nemoral (*Medicagini–Festucetum rubrae*) grassland, Ubari, Harju county, N Estonia 59°29'05" N 025°19'14" E 01.08.2005 SJ
- 818 *Geum urbanum* L. - roadside, Kakumäe, Tallinn, N Estonia 59°27'00" N 024°35'14" E 25.07.2005 MR
- 819 *Padus avium* Mill. - arboretum, Kloostrimetsa, Tallinn, N Estonia 59°28'06" N 024°52'54" E 30.07.2005 MR
- 820 *Padus avium* Mill. - dry alvar (*Ditricho–Thymetum*) grassland on glint, Maarjamäe, Tallinn, N Estonia 59°27'05" N 024°49'14" E 29.0 7.2005 JE
- 821 *Padus avium* Mill. - floodplain *Humulus* alder (*Humulo–Alnetum incanae*) forest, Kloostrimetsa, Tallinn, N Estonia 59°27'57" N 024°52'47" E 22.07.2005 MR
- 822 *Potentilla argentea* L. - dry alvar (*Arrhenatheretum*) grassland on glint, Maarjamäe, Tallinn, N Estonia 59°26'48" N 024°48'51" E 26.07.2005 SJ
- 823 *Potentilla argentea* L. - dry boreal (*Deschampsietum flexuosae*) grassland, Kloostrimetsa, Tallinn, N Estonia 59°28'13" N 024°52'49" E 20.09.2005 MR
- 824 *Potentilla fruticosa* L. - fresh alvar (*Seslerio–Potentilletum fruticosae*) grassland, Harju county, N Estonia 59°24'57" N 024°18'40" E 03.11.2005 OA, SJ, MR
- 825 *Potentilla reptans* L. - pebbly seashore, Sarve Peninsula, Hiiumaa Island, W Estonia 58°50'53" N 023°03'25" E 01.10.2005 M R
- 826 *Rosa majalis* Herrm. - dry alvar (*Arrhenatheretum*) grassland on glint, Maarjamäe, Tallinn, N Estonia 59°27'10" N 024°49'36" E 23.0 8.2005 SJ
- 827 *Rosa majalis* Herrm. - dry alvar *Calamagrostis* birch (*Calamagrostio–Betuletum*) forest, Sarve Peninsula, Hiiumaa Island, W Estonia 58°51'39" N 023°02'02" E 30.09.2005 MR
- 828 *Rubus caesius* L. - arboretum, Kloostrimetsa, Tallinn, N Estonia 59°27'58" N 024°52'38" E 02.09.2005 MR
- 829 *Rubus caesius* L. - dry alvar *Calamagrostis* birch (*Calamagrostio–Betuletum*) forest, Sarve Peninsula, Hiiumaa Island, W Estonia 58°51'39" N 023°02'02" E 30.09.2005 MR
- 830 *Rubus chamaemorus* L. - (mixotrophic) transitional bog pine forest, Laane, Harju county, N Estonia 59°10'40" N 025°23'34" E 22.07 .2005 IM
- 831 *Rubus saxatilis* L. - fresh boreo-nemoral (*Festuco rubrae–Deschampsietum cespitosae*) grassland, Anelema, Pärnu county, SW Estonia 58°37'50" N 024°34'22" E 06.08.2005 SJ

832 *Sorbus aucuparia* L. - fresh boreo-nemoral *Lunaria* ash (*Lunario–Fraxinetum*) forest, Rannamõisa, Harju county, N Estonia 59°26'36" N 024°31'15" E 03.11.05. MR

#### **Rubiaceae**

833 *Galium boreale* L. - dry boreo-nemoral *Hepatica* spruce (*Hepatico–Piceetum*) forest, Ubari, Harju county, N Estonia 59°29'22" N 025°18'39" E 01.08.2005 SJ

#### **Salicaceae**

834 *Salix pentandra* L. - poor paludified (*Geranio palustris–Filipenduletum*) grassland, Murksi, Harju county, N Estonia 59°30'00" N 025°4'16" E 01.11.2005 OA, SJ

#### **Scrophulariaceae**

835 *Linaria vulgaris* Mill. - roadside, Sarve Peninsula, Hiiumaa Island, W Estonia 58°51'09" N 023°03'06" E 01.10.2005 MR

836 *Rhinanthus angustifolius* C.C. Gmel. var. *vernalis* (N.W. Zinger) Soó - fresh boreo-nemoral (*Deschampsio cespitosae–Ranunculetum acris*) grassland, Kloostrimetsa, Tallinn, N Estonia 59°27'57" N 024°52'59" E 22.07.2005 MR

837 *Scrophularia nodosa* L. - sandy seashore, Rannamõisa, Harju county, N Estonia 59°26'37" N 024°31'01" E 03.11.2005 OA

838 *Verbascum nigrum* L. - dry boreo-nemoral *Hepatica* spruce (*Hepatico–Piceetum*) forest, Rannamõisa, Harju county, N Estonia 59°26'09" N 024°32'27" E 03.11.2005 SJ

839 *Verbascum thapsus* L. - dry boreo-nemoral (*Medicagini–Festucetum rubrae*) grassland, Murksi, Harju county, N Estonia 59°29'55" N 025°44'01" E 01.11.2005 SJ

#### **Solanaceae**

840 *Hyoscyamus niger* L. - waste land, Loksa, Harju county, N Estonia 59°34'58" N 025°42'39" E 16.08.2005 UL

#### **Thymelaeaceae**

841 *Daphne mezereum* L. - fresh boreo-nemoral *Lunaria* ash (*Lunario–Fraxinetum*) forest, Ubari, Harju county, N Estonia 59°29'14" N 025°18'58" E 01.08.2005 SJ

#### **Violaceae**

842 *Viola rupestris* F.W. Schmidt - gray dune (*Galio veri–Thymetum*) community, Kalvi, Ida-Viru county, N Estonia 59°28'47" N 026°48'55" E 02.08.2005 SJ

### **Monocotyledoneae**

#### **Alliaceae**

843 *Allium oleraceum* L. - dry alvar (*Arrhenatheretum*) grassland on glint, Maarjamäe, Tallinn, N Estonia 59°27'11" N 024°48'55" E 26.09.2005 OA

844 *Allium oleraceum* L. - dry alvar (*Ditricho–Thymetum*) grassland on glint, Maarjamäe, Tallinn, N Estonia 59°27'09" N 024°48'56" E 26.07.2005 OA

845 *Allium schoenoprasum* L. - dry alvar (*Ditricho–Thymetum*) grassland on glint, Maarjamäe, Tallinn, N Estonia 59°27'09" N 024°49'04" E 29.07.2005 SJ, OA

846 *Allium scorodoprasum* L. - dry alvar (*Ditricho–Thymetum*) grassland on glint, Maarjamäe, Tallinn, N Estonia 59°27'06" N 024°48'49" E 26.07.2005 SJ, OA

847 *Allium ursinum* L. - fresh boreo-nemoral *Lunaria* ash (*Lunario–Fraxinetum*) forest, Kalvi, Ida-Viru county, N Estonia 59°28'45" N 026°48'55" E 02.08.2005 SJ

#### **Araceae**

848 *Calla palustris* L. - mixotrophic quagmire, Suur-Kaksjärv Lake, Rõõsa, Harju county, N Estonia 59°08'42" N 025°17'40" E 06.09.2005 OA, AK, VK, MR

### **Convallariaceae**

- 849 *Convallaria majalis* L. - dry boreal *Vaccinium vitis-idaea* pine (*Vaccinio vitis-idaeo–Pinetum*) forest with oak (*Quercus robur*), Kloostrimetsa, Tallinn, N Estonia 59°28'12" N 024°52'51" E 15.09.2005 MR
- 850 *Convallaria majalis* L. - roadside, Sarve Peninsula, Hiiumaa Island, W Estonia 58°51'20" N 023°02'38" E 01.10.2005 MR

### **Cyperaceae**

- 851 *Bolboschenus maritimus* (L.) Palla - sandy seashore, Rannamõisa, Harju county, N Estonia 59°26'38" N 024°30'51" E 03.11.2005 O A, SJ
- 852 *Carex spicata* Huds. - fresh boreo-nemoral *Lunaria* ash (*Lunario–Fraxinetum*) forest, Maarjamäe, Tallinn, N Estonia 59°26'58" N 024°48'48" E 29.07.2005 OA
- 853 *Schoenoplectus tabernaemontani* (C.C. Gmel.) Palla - sandy seashore, Rannamõisa, Harju county, N Estonia 59°26'38" N 024°30'51" E 03.11.2005 OA, SJ

### **Juncaceae**

- 854 *Juncus gerardii* Loisel. - pebbly seashore, Sarve Peninsula, Hiiumaa Island, W Estonia 58°51'27" N 023°02'51" E 01.10.2005 M R
- 855 *Juncus ranarius* Perr. et Songeon - sandy seashore, Rannamõisa, Harju county, N Estonia 59°26'38" N 024°30'55" E 03.11.2005 O A, SJ

### **Liliaceae**

- 856 *Lilium martagon* L. - naturalized, Kolu Park, Lääne-Viru county, N Estonia 59°21'26" N 026°00'21" E 23.10.2005 MR

### **Poaceae**

- 857 *Alopecurus arundinaceus* Poir. - sandy seashore, Rannamõisa, Harju county, N Estonia 59°26'38" N 024°30'54" E 03.11.2005 O A
- 858 *Brachypodium pinnatum* (L.) P. Beauv. - dry boreo-nemoral *Hepatica* spruce (*Hepatico–Piceetum*) forest, Rannamõisa, Harju county, N Estonia 59°26'09" N 024°32'27" E 01.08.2005 SJ
- 859 *Briza media* L. - roadside, Sarve Peninsula, Hiiumaa Island, W Estonia 58°51'16" N 023°02'59" E 01.10.2005 MR
- 860 *Bromus inermis* Leyss. - sandy seashore, Rannamõisa, Harju county, N Estonia 59°26'37" N 024°31'01" E 03.11.2005 OA, SJ
- 861 *Calamagrostis arundinacea* (L.) Roth - fresh alvar (*Calamagrostio–Pinetum*) forest, Kohila, Rapla county, NW Estonia 59°09'42" N 024°44'56" E 11.09.2005 UL
- 862 *Calamagrostis epigejos* (L.) Roth - dry boreal (*Festuco rubrae–Agrostietum capillaris*) grassland, Muike, Lääne-Viru county, N Estonia 59°31'01" N 025°56'04" E 01.11.2005 MR
- 863 *Dactylis glomerata* L. - dry boreal (*Deschampsietum flexuosae*) grassland, Kloostrimetsa, Tallinn, N Estonia 59°28'13" N 024°52'49" E 04.08.2005 MR
- 864 *Elymus repens* (L.) Gould - sandy seashore, Rannamõisa, Harju county, N Estonia 59°26'38" N 024°30'54" E 03.11.2005 O A
- 865 *Elymus repens* (L.) Gould - waste land, Kohila, Rapla county, NW Estonia 59°09'23" N 024°44'43" E 11.09.2005 UL
- 866 *Festuca arundinacea* Schreb. - waste land, Kohila, Rapla county, NW Estonia 59°09'23" N 024°44'43" E 11.09.2005 UL
- 867 *Festuca gigantea* (L.) Vill. - fresh alvar (*Calamagrostio–Pinetum*) forest, Kohila, Rapla county, NW Estonia 59°09'42" N 024°44'56" E 03.10.2005 UL

868 *Leymus arenarius* (L.) Hochst. - sandy seashore, Rannamõisa, Harju county, N Estonia 59°26'31" N 024°31'10" E 03.11.2005 O A, SJ

869 *Phleum phleoides* (L.) Karst. - dry alvar (*Arrhenatheretum*) grassland on glint, Maarjamäe, Tallinn, N Estonia 59°27'10" N 024°48' 52" E 26.07.2005 SJ, JE

**Trilliaceae**

870 *Paris quadrifolia* L. - arboretum, Kloostrimetsa, Tallinn, N Estonia 59°28'03" N 024°53'05" E 30.07.2005 MR

871 *Paris quadrifolia* L. - dry boreal *Vaccinium vitis-idaea* pine (*Vaccinio vitis-idaeo-Pinetum*) forest with oak (*Quercus robur*), Kloostrimetsa, Tallinn, N Estonia 59°28'09" N 024°52'54" E 04.08.2005 MR

872 *Paris quadrifolia* L. - Pajusi Park, Jõgeva county, C Estonia 58°42'16" N 025°56'01" E 07.09.2005 MR

**Typhaceae**

873 *Typha latifolia* L. - pond, Kloostrimetsa, Tallinn, N Estonia 59°28'06" N 024°52'58" E 11.11.2005 JE, AK, MR

*Seminum collectores*: A. Kaur (AK), A. Visnapuu (AV), I. Mansu (IM), K. Kirotar (KK), M. Raidma (MR), S. Janson (SJ), J. Elliku (JE), M. Seidelberg (MS), O. Abner (OA), U. Laansoo (UL), V. Kuusmann (VK)

M. Kingisepp  
Horti Director

O. Abner  
Custos



## EMHI Weather Records 2005 Tallinn - Harku

The highest air temperature: 29,4°C (July 16)  
 The lowest air temperature: -20,5°C (March 14)  
 Annual rainfall total: 614 mm

### Average Monthly Temperature and Rainfall

Month	Ground (°C)	Air Average (°C)	Air Min (°C)	Air Max (°C)	Rainfall (mm)
Jan	-1	-0,6	-17,2	8,7	81
Feb	-5	-5,0	-15,3	2,1	22
Mar	-6	-5,5	-20,5	7,0	7
Apr	7	4,6	-3,9	17,1	6
May	14	10,1	-0,5	26,0	37
Jun	19	13,8	2,9	24,9	69
Jul	24	18,3	9,2	29,4	60
Aug	18	16,3	8,6	26,0	155
Sep	13	13,0	1,6	24,6	25
Oct	7	8,2	-1,7	17,3	47
Nov	3	4,0	-5,8	10,2	68
Dec	-3	-2,2	-14,8	6,2	37

