

IOPB COLUMN

Edited by Karol Marhold & Gonzalo Nieto Feliner

IAPT/IOPB chromosome data 6

Edited by Karol Marhold

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Irkutsk, RussiaAll materials CHN; collectors: VCH = V.V. Chepinoga, AG =
A.A. Gnutikov, IE = I.V. Enushchenko; vouchers in IRKU.This study was supported by the grants no. 05-05-64061, 07-
04-00610 from Russian Fund for Basic Research, RNP.2.2.1.1.7334
and RNP.2.2.3.1.4667 from Ministry of Education and Science of
Russian Federation.**ACORACEAE***Acorus calamus* L., 2n = 24; Russia, Irkutskaya Oblast', AG &
VCH C477.**ALISMATACEAE***Sagittaria natans* Pall., 2n = 22; Russia, Irkutskaya Oblast', AG
& IE C529; Russia, Chitinskaya Oblast', AG & IE C415.*Sagittaria sagittifolia* L., 2n = 22; Russia, Irkutskaya Oblast',
AG & VCH C522.*Sagittaria trifolia* L., 2n = 22; Russia, Irkutskaya Oblast', AG
& VCH C552.**BRASSICACEAE***Megadenia bardunovii* Popov, 2n = 20; Russia, Buryatiya,
Kazanovsky C347.**CABOMBACEAE***Brasenia schreberi* J.F. Gmel., 2n = 80; Russia, Irkutskaya
Oblast', AG & VCH C553.**HIPPURIDACEAE***Hippuris vulgaris* L., 2n = 32; Russia, Chitinskaya Oblast', AG
& IE C599, AG & IE C425.**HYDROCHARITACEAE***Hydrocharis morsus-ranae* L., 2n = 28; Russia, Irkutskaya
Oblast', AG & IE C524.**LEMNACEAE***Spirodela polyrhiza* (L.) Schleid., 2n = 42; Russia, Irkutskaya
Oblast', AG & IE C520.**MENYANTHACEAE***Nymphoides peltata* (S.G. Gmel.) O. Kuntze, 2n = 54; Russia,
Chitinskaya Oblast', AG & IE C411, AG & IE C618.**NYMPHAEACEAE***Nuphar pumila* (Timm) DC., 2n = 34; Russia, Irkutskaya Oblast',
AG & IE C461.*Nymphaea tetragona* Georgi, 2n = ca. 52; Russia, Irkutskaya
Oblast', AG & IE C460.**POACEAE***Agrostis gigantea* Roth, 2n = 42; Russia, Irkutskaya Oblast', AG
& IE C466, AG & IE C482, AG & IE C488.*Alopecurus aequalis* Sobol., 2n = 14; Russia, Irkutskaya
Oblast', AG & IE C448; Russia, Chitinskaya Oblast', AG &
IE C387.*Alopecurus arundinaceus* Poir., 2n = 28; Russia, Buryatiya, AG
& IE C356.*Arctopoa subfastigiata* (Trin.) Prob., 2n = 42; Russia, Buryatiya,
AG & IE C354.*Beckmannia hirsutiflora* (Roshev.) Prob., 2n = 14; Russia, Chitin-
skaya Oblast', AG & IE C412.*Beckmannia syzigachne* (Steud.) Fernald, 2n = 14; Russia, Irkuts-
kaya Oblast', AG & IE C543.*Bromopsis sibirica* (Drobow) Peschkova, 2n = 56; Russia, Irkuts-
kaya Oblast', AG & IE C462.*Calamagrostis arundinacea* (L.) Roth, 2n = 28; Russia, Irkuts-
kaya Oblast', AG & IE C481.*Calamagrostis epigeios* (L.) Roth, 2n = 28; Russia, Irkutskaya
Oblast', AG & VCH C473.*Calamagrostis langsdorffii* (Link) Trin., 2n = 28; Russia, Irkuts-
kaya Oblast', AG & IE C532.*Calamagrostis purpurea* (Trin.) Trin., 2n = 28; Russia, Chitins-
kaya Oblast', AG & IE C386; Russia, Irkutskaya Oblast', AG
& IE C469.*Deschampsia caespitosa* (L.) P. Beauv., 2n = 26; Russia, Irkuts-
kaya Oblast', AG & IE C443, AG & IE C519, AG & IE C513,
AG & IE C489.*Elymus exselus* Turcz. ex Griseb., 2n = 42; Russia, Chitinskaya
Oblast', AG & IE C608.All materials for the chromosome column should be submitted electronically to: Karol Marhold, karol.marhold@savba.sk (Insti-
tute of Botany, Slovak Academy of Sciences, SK-845 23 Bratislava, Slovakia, and Department of Botany, Charles University, CZ
128-01 Prague, Czech Republic). The full version of this contribution is available in the online edition of TAXON. The following
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chromosome data 1. *Taxon* 55: 444, E2.

Elymus gmelinii (Ledeb.) Tzvelev, $2n = 28$; Russia, Irkutskaya Oblast', AG & IE C547.

Elymus pendulinus (Nevski) Tzvelev, $2n = 28$; Russia, Chitinskaya Oblast', AG & IE C408.

Elymus sibiricus L., $2n = 28$; Russia, Chitinskaya Oblast', AG & IE C405.

Festuca sibirica Hack. ex Boiss., $2n = 28$; Russia, Buryatiya, AG & IE C368.

Glyceria spiculosa (F. Schmidt) Roshev., $2n = 40$; Russia, Irkutskaya Oblast', AG & VCH C476.

Glyceria triflora (Maxim.) Kom., $2n = 20$; Russia, Chitinskaya Oblast', AG & IE C410, AG & IE C589.

Helictotrichon pubescens (Huds.) Pilg., $2n = 14$; Russia, Irkutskaya Oblast', IE C352, AG & IE C442.

Helictotrichon schellianum (Hack.) Roshev., $2n = 14$; Russia, Irkutskaya Oblast', AG & IE C550; Russia, Buryatiya, AG & IE C365.

Hierocloë glabra Trin., $2n = 42$; Russia, Chitinskaya Oblast', AG & IE C418.

Koeleria cristata (L.) Pers., $2n = 28$; Russia, Buryatiya, AG & IE C362.

Phalaroides arundinacea (L.) Rausch., $2n = 28$; Russia, Irkutskaya Oblast', AG & Hoff C511, AG & IE C494, AG & IE C475.

Phleum phleoides (L.) Karsten, $2n = 28$; Russia, Irkutskaya Oblast', AG & IE C470.

Poa pratensis L., $2n = 56$; Russia, Chitinskaya Oblast', AG & IE C375.

Poa supina Schrad., $2n = 14$; Russia, Krasnoyarskii Krai, AG & IE C539; Russia, Irkutskaya Oblast', AG & IE C574, AG & IE C512; Russia, Chitinskaya Oblast', AG & IE C371.

Puccinellia hauptiana V.I. Krecz. ex Schischk., $2n = 28$; Russia, Irkutskaya Oblast', AG & IE C517; Russia, Chitinskaya Oblast', AG & IE C421, AG & IE C402.

Puccinellia macranthera V.I. Krecz., $2n = 28$; Russia, Buryatiya, AG & IE C367.

Setaria viridis (L.) P. Beauv., $2n = 18$; Russia, Buryatiya, AG & IE C573.

Trisetum sibiricum Rupr., $2n = 14$; Russia, Irkutskaya Oblast', AG & IE C503.

POLYGONACEAE

Persicaria hydropiper (L.) Spach, $2n = 20$; Russia, Chitinskaya Oblast', AG & IE C577; Russia, Irkutskaya Oblast', AG & IE C456.

PRIMULACEAE

Naumburgia thyrsoiflora (L.) Rchb., $2n = 40$; Russia, Krasnoyarskii Krai, AG & IE C538.

RANUNCULACEAE

Batrachium circinatum (Sibth.) Spach, $2n = 16$; Russia, Irkutskaya Oblast', AG & IE C555; Russia Chitinskaya Oblast', AG & IE C423.

Batrachium kauffmannii (Clerc) V.I. Krecz., $2n = 32$; Russia, Irkutskaya Oblast', AG & IE C446; Russia, Chitinskaya Oblast', AG & IE C620.

Thacla natans (Pall. ex Georgi) Deyl & Soják, $2n = 32$; Russia, Chitinskaya Oblast', AG & IE C424, AG & IE C591.

SCROPHULARIACEAE

Limosella aquatica L., $2n = 40$; Russia, Irkutskaya Oblast', AG & IE C455, AG & IE C501.

SPARGANIACEAE

Sparganium glomeratum Laest. ex Beurl., $2n = 30$; Russia, Irkutskaya Oblast', AG & IE C556.

Sparganium rothertii Tzvelev, $2n = 30$; Russia, Chitinskaja Oblast', AG & IE C406.

TRAPACEAE

Trapa sibirica Flerow, $2n = 48$; Russia, Irkutskaya Oblast', AG & IE C533.

TYPHACEAE

Typha laxmannii Lepech., $2n = 30$; Russia, Chitinskaya Oblast', AG & IE C603.

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ALLIACEAE

Allium condensatum Turcz., $2n = 16$; Russia, Primorskii Krai, Prozorova 8492.

Allium monanthum Maxim., $2n = 32$; Russia, Primorskii Krai, Nechaev 10762.

Allium spirale Willd. ex Schldtl., $2n = 32$; Russia, Primorskii Krai, Pavlova 8990.

APIACEAE

Ligusticum hulthenii Fernald, $2n = 22$; Russia, Khabarovskii Krai, Tolmacheva 9941.

ARACEAE

Arisaema amurense Maxim., $2n = 56$; Russia, Primorskii Krai, Shibneva 10553.

Calla palustris L., $2n = 36$; Russia, Amurskaya Oblast', Kudrin 10441.

ARALIACEAE

Eleutherococcus senticosus (Rupr. & Maxim.) Maxim., $2n = 48$; Russia, Amurskaya Oblast', Kapustina 10616.

ARISTOLOCHIACEAE

Aristolochia contorta Bunge, $2n = 14$; Russia, Primorskii Krai, Nechaev 10951.

Asarum sieboldii Miq., $2n = 26$; Russia, Primorskii Krai, Lapenko 10965.

ASTERACEAE

Ageratum houstonianum Mill., $2n = 20$; Russia, Amurskaya Oblast', NP & VS 10881.

Artemisia borealis Pall., $2n = 18$; Russia, Kamchatskii Krai, Yakubov 8440, 8453.

Artemisia furcata M. Bieb., $2n = 18$; Russia, Kamchatskii Krai, Yakubov 8442, 8741.
Artemisia glomerata Ledeb., $2n = 18$; Russia, Kamchatskii Krai, Yakubov 8441.
Artemisia gmelini Web. ex Stechm., $2n = 54$; Russia, Buryatia, NP & VS 9719; Russia, Amurskaya Oblast', NP & VS 10752; Russia, Primorskii Krai, VS 10669.
Artemisia keiskeana Miq., $2n = 18$; Russia, Primorskii Krai, NP & VS 8149.
Artemisia littorica Kitam., $2n = 36$; Russia, Primorskii Krai, NP & VS 7418.
Artemisia selengensis Turcz. ex Besser, $2n = 36$; Russia, Primorskii Krai, Rudyka 7456.
Artemisia stolonifera (Maxim.) Kom., $2n = 36$; Russia, Primorskii Krai, NP & VS 7814, Pavlova 9008.
Artemisia sylvatica Maxim., $2n = 16$; Russia, Primorskii Krai, NP & VS 7808.
Atractylodes ovata (Thunb.) DC., $2n = 24$; Russia, Amurskaya Oblast', NP & VS 10772.
Aster ageratoides Turcz., $2n = 18$; Russia, Primorskii Krai, VS 10008, NP & VS 7352, Nesterova 10019.
Cacalia hastata L., $2n = 60$; Russia, Primorskii Krai, Rudyka 10573.
Centaurea jacea L., $2n = 22$; Russia, Primorskii Krai, Pavlova 10051; $2n = 44$; Russia, Primorskii Krai, Kudryavtseva 7578.
Chrysanthemum coreanum (H. Lévl. & Vaniot) Nakai & T. Mori, $2n = 36$; Russia, Primorskii Krai, VS 10477a.
Crepidiastrum denticulatum (Houtt.) Pak & Kawano, $2n = 10$; Russia, Primorskii Krai, NP & VS 7553, VS 9749.
Erigeron kamtschaticus DC., $2n = 18$; Russia, Kamchatskii Krai, Yakubov 9695.
Erigeron thunbergii A. Gray, $2n = 18$; Russia, Kamchatskii Krai, Yakubov 9699.
Galinsoga ciliata (Raf.) S.F. Blake, $2n = 32$; Russia, Primorskii Krai, Kudryavtseva 7650.
Heteropappus saxamarinus Kom., $2n = 18$; Russia, Primorskii Krai, NP & VS 7950.
Hieracium umbellatum L., $2n = 27$; Russia, Amurskaya Oblast', Shatokhina 9258; Russia, Khabarovskii kraï, Babkina 8412.
Lagedium sibiricum (L.) Soják, $2n = 18$; Russia, Primorskii Krai, Lapenko 11054.
Leontopodium leontopodioides (Willd.) Beauverd, $2n = 26$; Russia, Primorskii Krai, Pavlova 9803.
Picris kamschatica Ledeb., $2n = 10$; Russia, Kamchatskii Krai, Yakubov 9692.
Pilosella xfloribunda (Wimm. & Grab.) Fr., $2n = 36$; Russia, Primorskii Krai, Lapenko 11030.
Pterocypsela indica (L.) C. Shih, $2n = 18$; Russia, Primorskii Krai, NP & VS 7544.
Pterocypsela triangulata (Maxim.) C. Shih, $2n = 18$; Russia, Primorskii Krai, VS 10479.
Pulicaria vulgaris Gaertn., $2n = 18$; Russia, Primorskii Krai, Lapenko 11018.
Pyrethrum parthenium (L.) Sm., $2n = 18$; Russia, Primorskii Krai, NP 10436.
Saussurea nuda Ledeb., $2n = 26$; Russia, Khabarovskii Krai, Kriukova 10422.
Scorzonera albicaulis Bunge, $2n = 14$; Russia, Primorskii Krai, Nechaev 9974.
Senecio pseudoarnica Less., $2n = 40$; Russia, Primorskii Krai, Nesterova 9306.
Senecio viscosus L., $2n = 40$; Russia, Primorskii Krai, VS 10477.

BERBERIDACEAE

Plagiorhegma dubia Maxim., $2n = 12$; Russia, Primorskii Krai, Lapenko 10957.

BETULACEAE

Betula middendorffii Trautv. & C.A. Mey., $2n = 28$; Russia, Primorskii Krai, Gulariants 8970.

BORAGINACEAE

Trigonotis radicans (Turcz.) Steven, $2n = ca. 24$; Russia, Primorskii Krai, NP & VS 8148.

BRASSICACEAE

Cardamine leucantha (Tausch) O.E. Schulz, $2n = 16$; Russia, Amurskaya Oblast', Kapustina 10598; Russia, Primorskii Krai, NP & VS 9600.

Sisymbrium luteum (Maxim.) O.E. Schulz, $2n = 28$; Russia, Primorskii Krai, Nechaev 9323.

Thlaspi arvense L., $2n = 14$; Russia, Primorskii Krai, Lapenko 11046.

CAMPANULACEAE

Adenophora verticillata Fisch., $2n = 34$; Russia, Primorskii Krai, Korkishko 10850.

Asyneuma japonicum (Miq.) Briq., $2n = 64$; Russia, Primorskii Krai, Nechaev 10035.

Campanula cephalotes Nakai, $2n = 34$; Russia, Primorskii Krai, Korkishko 10849.

CARYOPHYLLACEAE

Cerastium furcatum Cham. & Schldtl., $2n = 36$; Russia, Primorskii Krai, NP & VS 7392, 7922; $2n = 48$; Russia, Primorskii Krai, Prozorova 8169.

Gypsophila pacifica Kom., $2n = 34$; Russia, Primorskii Krai, Nesterova 8916.

Melandrium album (Mill.) Garcke, $2n = 24$; Russia, Primorskii Krai, NP & VS 7622.

Silene foliosa Maxim., $2n = 24$; Russia, Primorskii Krai, Nechaev 10559.

CHENOPODIACEAE

Salsola collina Pall., $2n = 18$; Russia, Primorskii Krai, Nechaev 10816.

CUCURBITACEAE

Actinostemma tenerum Griff., $2n = 16$; Russia, Primorskii Krai, Nechaev 10197.

CYPERACEAE

Carex siderosticta Hance, $2n = 24$; Russia, Primorskii Krai, Nechaev 10996.

Eleocharis ussuriensis Zinserl., $2n = 16$; Russia, Primorskii Krai, Shatalova 7311.

DIPSACACEAE

Scabiosa lachnophylla Kitag., $2n = 18$; Russia, Primorskii Krai, Pavlova 10063.

FABACEAE

Lespedeza bicolor Turcz., $2n = 18$; Russia, Primorskii Krai, Nechaev 10582.

Lespedeza tomentosa (Thunb.) Maxim., $2n = 20$; Russia, Primorskii Krai, Pavlova 7637.

Lotus corniculatus L., $2n = 24$; Russia, Primorskii Krai, Pavlova 10034.

Melilotus albus Medik., $2n = 16$; Russia, Primorskii Krai, NP & VS 8058.

Oxytropis kamtschatica Hultén, $2n = 16$; Russia, Kamchatskii Krai, Verkholat 10606.

Oxytropis ochotensis Bunge, $2n = 64$; Russia, Kamchatskii Krai, Verkholat 10601.

Oxytropis revoluta Ledeb., $2n = 16$; Russia, Kamchatskii Krai, Verkholat 10605, 10607.

Sophora flavescens Sol., $2n = 18$; Russia, Evreiskaya Avtonomnaya Oblast', Yakubov 10191.

Trifolium montanum L., $2n = 16$; Russia, Primorskii Krai, Lapenko 11034.

Trifolium pacificum Bobrov, $2n = 32$; Russia, Primorskii Krai, Nesterova 9956.

Trifolium repens L., $2n = 32$; Russia, Primorskii Krai, Nesterova 8633; Pavlova 8479; Nechaev 11006.

Vicia nervata Sipliv., $2n = 12+2B$; Russia, Buryatia, Nikiforova 9016.

Vicia unijuga A. Br., $2n = 24$; Russia, Primorskii Krai, NP & VS 7416.

FUMARIACEAE

Corydalis buschii Nakai, $2n = 16$; Russia, Primorskii Krai, Pavlova 10202.

GROSSULARIACEAE

Ribes triste Pall., $2n = 16$; Russia, Kamchatskii Krai, Yakubov 8683.

IRIDACEAE

Iris uniflora Pall. ex Link, $2n = 32$; Russia, Primorskii Krai, Pavlova 9805; $2n = 48$; Russia, Primorskii Krai, Lapenko 10960.

Iris vorobievii N.S. Pavlova, $2n = 14$; Russia, Primorskii Krai, Nechaev 11043.

JUNCACEAE

Luzula pallidula Kirschner, $2n = 12$; Russia, Amurskaya Oblast', Shatokhina 9760.

LAMIACEAE

Clinopodium chinense (Benth.) O. Kuntze, $2n = 20$; Russia, Primorskii Krai, NP & VS 7413.

Dracocephalum charkeviczii Probn., $2n = 14$; Russia, Primorskii Krai, Nesterova 10339.

Elsholtzia ciliata (Thunb.) Hyl., $2n = 16$; Russia, Amurskaya Oblast', NP & VS 11012; Russia, Primorskii Krai, NP & VS 7748.

Lycopus uniflorus Michx., $2n = 22$; Russia, Primorskii Krai, Nechaev 9869.

Scutellaria ussuriensis (Regel) Kudo, $2n = 16$; Russia, Primorskii Krai, Barkalov 10624.

Thymus przewalskii (Kom.) Nakai, $2n = 26$; Russia, Primorskii Krai, Nechaev 10610.

MALVACEAE

Malva mohileviensis Downar, $2n = 42$; Russia, Amurskaya Oblast', NP & VS 10918.

Malva pusilla Sm., $2n = 42$; Russia, Primorskii Krai, Lapenko 10648.

OXALIDACEAE

Oxalis acetosella L., $2n = 22$; Russia, Primorskii Krai, Nechaev 10986.

PAPAVERACEAE

Chelidonium asiaticum (Hara) Krahulc., $2n = 10$; Russia, Buryatia, NP & VS 9410; Russia, Amurskaya Oblast', Kapustina 8764.

Papaver microcarpum DC., $2n = 14$; Russia, Kamchatskii Krai, Verkholat 10229

PHRYMACEAE

Phryma asiatica (Hara) O. Deg. & I. Deg., $2n = 28$; Russia, Amurskaya Oblast', Kapustina 10597.

PLANTAGINACEAE

Plantago arenaria Waldst. & Kit., $2n = 12$; Russia, Primorskii Krai, Lapenko 11045.

Plantago camtschatica Link, $2n = 12$; Russia, Primorskii Krai, Tolmacheva 10510.

POACEAE

Achnatherum confusum (Litv.) Tzvelev, $2n = 24$; Russia, Amurskaya Oblast', Denissenko 8729.

Agrostis scabra Willd., $2n = 42$; Russia, Amurskaya Oblast', Yakubov 10099; Russia, Khabarovskii Krai, NP & VS 8095.

Agrostis stolonifera L., $2n = 28$; Russia, Primorskii Krai, Vshivkova 9639.

Alopecurus pratensis L., $2n = 28$; Russia, Primorskii Krai, Nechaev 10991.

Anisantha tectorum (L.) Nevski, $2n = 14$; Russia, Volgogradskaya Oblast', Yurtseva 10489.

Arctopoa subfastigiata (Trin.) Probn., $2n = 42$; Russia, Primorskii Krai, Lapenko 11023.

Bromus popovii Drobow, $2n = 14$; Russia, Volgogradskaya Oblast', Yurtseva 10501.

Calamagrostis angustifolia Kom., $2n = 28$; Russia, Primorskii Krai, Shatalova 7464.

Calamagrostis monticola Petrov ex Kom., $2n = 28$; Russia, Khabarovskii Krai, Van 10905.

Digitaria ischaemum (Schreb.) Muehl., $2n = 36$; Russia, Volgogradskaya Oblast', Yurtseva 10511.

Echinochloa crus-galli (L.) P. Beauv., $2n = 54$; Russia, Primorskii Krai, s. coll. 7740.

Eriochloa villosa (Thunb.) Kunth, $2n = 54$; Russia, Evreiskaya Avtonomnaya Oblast', Enushchenko 10079.

Festuca brevissima Jurtzev, $2n = 14$; Russia, Kamchatskii Krai, Yakubov 7180.

Festuca rubra L., $2n = 42$; Russia, Primorskii Krai, Pavlova 8991.

Koeleria tokiensis Domin, $2n = 14$; Russia, Primorskii Krai, Pavlova 7301; Tolmacheva 10469.

Leymus mollis (Trin.) Hara, $2n = 28$; Russia, Primorskii Krai, VS 9995, 10631; Shatokhina, 9564.

Milium effusum L., $2n = 28$; Russia, Buryatia, Chepinoga 9713; Russia, Khabarovskii Krai, NP & VS 7138.

Poa annua L., $2n = 28$; Russia, Khabarovskii Krai, Van 10902.

Poa botryoides (Trin. ex Griseb.) Kom., $2n = 28$; Russia, Magadanskaya Oblast', Lyssenko 10640.

Poa crispa Thuill. (*P. bulbosa* subsp. *vivipara* (Koel.) Arcang.), $2n = 42$; Russia, Volgogradskaya Oblast', Yurtseva 10494.

Poa palustris L., $2n = 28$; Russia, Evreiskaya Avtonomnaya Oblast', VS 10058.

Poa sabulosa (Roshev.) Roshev., $2n = 56$; Russia, Irkutskaya Oblast', NP & VS 10948.

Poa sibirica Roshev., $2n = 14$; Russia, Khabarovskii Krai, Shlot-gauer 8772.

Poa sichotensis Prob., $2n = 56$; Russia, Primorskii Krai, *Nechaev 8900*.

Poa skvortzovii Prob., $2n = 28$; Russia, Primorskii Krai, *Nechaev 10570*.

Poa stepposa (Kryl.) Roshev., $2n = 42$; Russia, Magadanskaya Oblast', *Lyssenko 10643*.

Puccinellia distans (Jacq.) Parl., $2n = 42$; Russia, Volgogradskaya Oblast', *Yurtseva 10505*.

Puccinellia hauptiana V. I. Krecz., $2n = 28$; Russia, Magadanskaya Oblast', *Lyssenko 10969, 10970*; Russia, Evreiskaya Avtonomnaya Oblast', *Rubtsova 7587*.

Puccinellia nipponica Ohwi, $2n = 28$; Russia, Primorskii Krai, *Nechaev 10281*.

Puccinellia phryganodes (Trin.) Scribn. & Merr., $2n = 14$; Russia, Khabarovskii Krai, *Kriukova 10525*.

Schedonorus pratensis (Huds.) P. Beauv., $2n = 14$; Russia, Primorskii Krai, *Nechaev 10475*.

Torreyochloa natans (Kom.) Church, $2n = 14$; Russia, Khabarovskii Krai, *Ossipov 8944*.

Trisetum sibiricum Rupr., $2n = 14$; Russia, Amurskaya Oblast', *Denissenko 9165*.

Trisetum umbratile (Kitag.) Kitag., $2n = 14$; Russia, Primorskii Krai, *Nedoluzhko 7749*.

POLEMONIACEAE

Polemonium chinense (Brand) Brand, $2n = 14$; Russia, Primorskii Krai, *Korkishko 10830*.

POLYGONACEAE

Acetosella aureostigmatica (Kom.) Tzvelev, $2n = 14$; Russia, Kamchatskii Krai, *Yakubov 7781*.

Persicaria hydropiper (L.) Spach, $2n = 20$; Russia, Primorskii Krai, *NP & VS 8128*.

Persicaria lapathifolia (L.) S.F. Gray, $2n = 22$; Russia, Primorskii Krai, *NP & VS 7617*.

Rumex maritimus L., $2n = 40$; Russia, Evreiskaya Avtonomnaya Oblast', *s. coll. 7296*; Russia, Khabarovskii Krai, *Enushchenko 10067*.

PORTULACACEAE

Portulaca oleracea L., $2n = 18$; Russia, Amurskaya Oblast', *NP & VS 10907*.

POTAMOGETONACEAE

Potamogeton perfoliatus L., $2n = \text{ca. } 26$; Russia, Primorskii Krai, *Shatalova 7308*.

PRIMULACEAE

Androsace septentrionalis L., $2n = 20$; Russia, Irkutskaya Oblast', *NP & VS 10767*.

Primula fistulosa Turkev., $2n = 18$; Russia, Primorskii Krai, *Nechaev 11038*.

Primula patens (Turcz.) E. Busch, $2n = 24$; Russia, Primorskii Krai, *Pavlova 7651; Lapenko 10956*.

RANUNCULACEAE

Anemonoides udensis (Trautv. & C.A. Mey.) Holub, $2n = 48$; Russia, Primorskii Krai, *Lapenko 10966*.

Halerpestes sarmentosa (Adams) Kom., $2n = 16$; Russia, Primorskii Krai, *Nechaev 10592*.

Hepatica asiatica Nakai, $2n = 14$; Russia, Primorskii Krai, *Nechaev 10995*.

Ranunculus chinensis Bunge, $2n = 16$; Russia, Primorskii Krai, *Lapenko 11035*.

Ranunculus japonicus Thunb., $2n = 14$; Russia, Primorskii Krai, *Pavlova 8481*.

RHAMNACEAE

Rhamnus davurica Pall., $2n = 24$; Russia, Chitinskaya Oblast', *Popova 10213*.

ROSACEAE

Arunceus dioicus (Walter) Fernald, $2n = 18$; Russia, Primorskii Krai, *Korkishko 10924*.

Dryas punctata Juz., $2n = 18$; Russia, Kamchatskii Krai, *Yakubov 9696*.

Filipendula palmata (Pall.) Maxim., $2n = 28$; Russia, Primorskii Krai, *Kapustina 8675*.

Sanguisorba officinalis L., $2n = 28$; Russia, Buryatia, *Chepinoga 9703*; Russia, Amurskaya Oblast', *Kapustina 8572*; Russia, Primorskii Krai, *Pavlova 7811; NP & VS 8638*.

RUBIACEAE

Galium boreale L., $2n = 44$; Russia, Primorskii Krai, *Kapustina 10614*.

SCROPHULARIACEAE

Lindernia procumbens (Krock.) Philcox, $2n = 24$; Russia, Primorskii Krai, *Korkishko 10922*.

Pedicularis verticillata L., $2n = 16$; Russia, Kamchatskii Krai, *Verkholat 10227*.

Pennellianthus frutescens (Lamb.) Crosswh., $2n = 40$; Russia, Kamchatskii Krai, *Yakubov 10090*.

Rhinanthus vernalis (N. W. Zinger) Schischk. & Serg., $2n = 14 + 0 - 22B$; Russia, Magadanskaya Oblast', *Lyssenko 10971*.

Scrophularia maximowiczii Gorschk., $2n = 40$; Russia, Primorskii Krai, *Korkishko 10925*.

Veronica daurica Steven, $2n = 32$; Russia, Primorskii Krai, *NP & VS 7400*; $2n = 34$; Russia, Primorskii Krai, *VS 10633*.

SOLANACEAE

Hyoscyamus niger L., $2n = 34$; Russia, Primorskii Krai, *Nechaev 10504*.

Physalis franchetii Mast., $2n = 24$; Russia, Primorskii Krai, *Chubarj 10527*.

Solanum kitagawae Schönbeck-Tem., $2n = 24$; Russia, Primorskii Krai, *Barkalov 7038*.

URTICACEAE

Girardinia septentrionalis Grudz., $2n = 20$; Russia, Primorskii Krai, *Nechaev 10066*.

VACCINIACEAE

Vaccinium vulcanorum Kom., $2n = 24$; Russia, Kamchatskii Krai, *Verkholat 10225*.

VIOLACEAE

Viola acuminata Ledeb., $2n = 20$; Russia, Primorskii Krai, *NP 8366*.

Viola hirtipes S. Moore, $2n = 24$; Russia, Primorskii Krai, *Nechaev 11041*.

VITACEAE

Vitis amurensis Rupr., $2n = 38$; Russia, Primorskii Krai, *Denissov 7997*.

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All materials CHN; collectors: NP = N.S. Probatova, VS = V.P. Seledets; vouchers in VLA.

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ACERACEAE

Acer mono Maxim., 2n = 26; Russia, Primorskii Krai, *Rudyka 10578*.

ACORACEAE

Acorus calamus L., 2n = 36; Russia, Amurskaya Oblast', *Kudrin 10704*.

ALLIACEAE

Allium spirale Willd. ex Schtdl., 2n = 32; Russia, Primorskii Krai, VS 10620, 10629.

APIACEAE

Heracleum dissectum Ledeb., 2n = 22; Russia, Primorskii Krai, VS 10646.

ASCLEPIADACEAE

Vincetoxicum acuminatum Decne., 2n = 22; Russia, Primorskii Krai, *Korkishko 10827*.

ASTERACEAE

Adenocaulon adhaerescens Maxim., 2n = 46; Russia, Amurskaya Oblast', *Kapustina 10602*.

Artemisia stelleriana Besser, 2n = 18; Russia, Primorskii Krai, *Korkishko 10832*.

Atractylodes ovata (Thunb.) DC., 2n = 24; Russia, Amurskaya Oblast', *Verkholat 10405*.

Brachyactis angusta (Lindl.) Britton, 2n = 14; Russia, Khabarovskii Krai, NP & VS 10792.

Carduus crispus L., 2n = 16; Russia, Primorskii Krai, VS 10887.

Chrysanthemum zawadskii Herbich, 2n = 72; Russia, Amurskaya Oblast', NP & VS 10736.

Erigeron oharae (Nakai) Botsch., 2n = 18; Russia, Primorskii Krai, VS 10627.

Galinsoga parviflora Cav., 2n = 16; Russia, Amurskaya Oblast', NP & VS 10878.

Hieracium umbellatum L., 2n = 27; Russia, Irkutskaya Oblast', NP & VS 10733; Russia, Amurskaya Oblast', NP & VS 10701.

Leucanthemum vulgare Lam., 2n = 18; Russia, Primorskii Krai, *Nesterova 10123*.

Saussurea oxyodonta Hultén, 2n = 26; Russia, Kamchatskii Krai, *Yakubov 8447*.

Tripleurospermum inodorum (L.) Sch. Bip., 2n = 18; Russia, Amurskaya Oblast', NP & VS 10723.

BETULACEAE

Duschekia fruticosa (Rupr.) Pouzar, 2n = 28; Russia, Irkutskaya Oblast', NP & VS 10806.

BRASSICACEAE

Cardamine leucantha (Tausch) O. E. Schulz, 2n = 16; Russia, Primorskii Krai, NP & VS 7962.

Erysimum cheiranthoides L., 2n = 16; Russia, Primorskii Krai, NP & VS 10778.

CARYOPHYLLACEAE

Dianthus amurensis Jacques, 2n = 30; Russia, Primorskii Krai, VS 10883.

Moehringia lateriflora (L.) Fenzl, 2n = 48; Russia, Amurskaya Oblast', *Kapustina 10709*.

CHENOPODIACEAE

Chenopodium ficifolium Sm., 2n = 18; Russia, Khabarovskii Krai, *Barkalov 10886*.

CONVALLARIACEAE

Polygonatum humile Fisch. ex Maxim., 2n = 20; Russia, Primorskii Krai, *Pavlova 10150*.

Polygonatum odoratum (Mill.) Druce, 2n = 20; Russia, Primorskii Krai, VS 10623.

CRASSULACEAE

Orostachys spinosa (L.) C. A. Mey., 2n = 24; Russia, Irkutskaya Oblast', *Mokhova 10872*.

CYPERACEAE

Carex siderosticta Hance, 2n = 24; Russia, Primorskii Krai, NP & VS 7969.

EUPHORBIACEAE

Euphorbia savaryi Kiss, 2n = 20; Russia, Primorskii Krai, *Nechaev 10141*.

FABACEAE

Lathyrus japonicus Willd., 2n = 14; Russia, Primorskii Krai, VS 10656, 10668.

Oxytropis campestris (L.) DC., 2n = 48; Italy, *s. coll. 10799*.

Oxytropis erecta Kom., 2n = 48; Russia, Kamchatskii Krai, *Yakubov 10795, 10801*.

Oxytropis exserta Jurtzev, 2n = 16; Russia, Kamchatskii Krai, *Yakubov 10797*.

Trifolium pratense L., 2n = 14; Russia, Primorskii Krai, *Nesterova 10018*.

Trifolium repens L., 2n = 32; Russia, Primorskii Krai, *Lapenko 10716*.

IRIDACEAE

Iris setosa Pall. ex Link, 2n = 38; Russia, Primorskii Krai, *Verkholat 10313*.

Iris uniflora Pall. ex Link, 2n = ca. 46; Russia, Amurskaya Oblast', NP & VS 10699.

LAMIACEAE

Lycopus lucidus Turcz. ex Benth., 2n = 22; Russia, Amurskaya Oblast', NP & VS 8481.

Lycopus uniflorus Michx., 2n = 22; Russia, Primorskii Krai, NP & VS 9589 (10089).

Mentha canadensis L., 2n = 36; Russia, Primorskii Krai, NP & VS 9584.

LOBELIACEAE

Lobelia sessilifolia Lamb., $2n = 28$; Russia, Amurskaya Oblast', Kudrin 10715.

LYTHRACEAE

Lythrum salicaria L., $2n = 30$; Russia, Primorskii Krai, Lapenko 10657.

PAPAVERACEAE

Chelidonium asiaticum (Hara) Krahluc., $2n = 10$; Russia, Irkutskaya Oblast', NP & VS 10681; Russia, Primorskii Krai, NP & VS 9583.

PENTHORACEAE

Penthorum chinense Pursh, $2n = 16$; Russia, Primorskii Krai, Lapenko 10661.

PLANTAGINACEAE

Plantago major L., $2n = 12$; Russia, Khabarovskii Krai, Barkalov 10082.

POACEAE

Agrostis scabra Willd., $2n = 42$; Russia, Primorskii Krai, NP & VS 9550.

Agrostis trinii Turcz., $2n = 28$; Russia, Primorskii Krai, Nesterova 10017.

Arctopoa eminens (J. S. Presl) Prob., $2n = 42$; Russia, Khabarovskii Krai, Tolmacheva 9945.

Arctopoa schischkini (Tzvelev) Prob., $2n = 70$; Russia, Gornyy Altai, Rodionov & al. 10642/1–10642/23.

Arctopoa subfastigiata (Trin.) Prob., $2n = 42$; Russia, Khabarovskii Krai, NP & VS 7918.

Arundinella hirta (Thunb.) Tanaka, $2n = 34$; Russia, Primorskii Krai, Burundukova 9517.

Beckmannia syzigachne (Steud.) Fernald, $2n = 14$; Russia, Amurskaya Oblast', NP & VS 10697.

Calamagrostis angustifolia Kom., $2n = 28$; Russia, Amurskaya Oblast', NP & VS 9483, 10817.

Calamagrostis brachytricha Steud., $2n = 42$; Russia, Amurskaya Oblast', NP & VS 9458.

Calamagrostis extremiorientalis (Tzvelev) Prob., $2n = 28$; Russia, Primorskii Krai, NP & VS 9578.

Elymus sibiricus L., $2n = 28$; Russia, Amurskaya Oblast', Tsyrenova 10617.

Elytrogia repens (L.) Nevski, $2n = 42$; Russia, Chitinskaya Oblast', Tsyrenova 10611.

Festuca ovina L., $2n = 14$; Russia, Irkutskaya Oblast', NP & VS 10731.

Festuca rubra L., $2n = 42$; Russia, Irkutskaya Oblast', NP & VS 10684; Russia, Primorskii Krai, VS 10712, 10759.

Koeleria tokiensis Domin, $2n = 14$; Russia, Primorskii Krai, VS 10717, Enuschenko 9795.

Leymus mollis (Trin.) Pilg., $2n = 28$; Russia, Primorskii Krai, VS 9566, Nesterova 9959, Nechaev 10232.

Phragmites australis (Cav.) Trin. ex Steud., $2n = 48$; Russia, Primorskii Krai, VS 9570.

Poa angustifolia L., $2n = 56$; Russia, Primorskii Krai, Nechaev 10891.

Poa annua L., $2n = 28$; Russia, Amurskaya Oblast', NP & VS 10707.

Poa botryoides (Trin. ex Griseb.) Kom., $2n = 28$; Russia, Primorskii Krai, Nechaev 10819; $2n = 42$; Russia, Primorskii Krai, Nechaev 10632.

Poa palustris L., $2n = 28$; Russia, Magadanskaya Oblast', Lysenko 10654.

Poa pratensis L., $2n = 56$; Russia, Chitinskaya Oblast', Tsyrenova 10818.

Poa sibirica Roshev., $2n = 14$; Russia, Irkutskaya Oblast', NP & VS 10728.

Poa skvortzovii Prob., $2n = 28$; Russia, Khabarovskii Krai, Barkalov 10084.

Poa tanfiljewii Roshev., $2n = 28$; Russia, Irkutskaya Oblast', NP & VS 10732.

Puccinellia hauptiana V.I.Krecz., $2n = 28$; Russia, Irkutskaya Oblast', NP & VS 10674.

Schizachne callosa (Turcz. ex Griseb.) Ohwi, $2n = 20$; Russia, Primorskii Krai, Nechaev 10194.

POLYGONACEAE

Aconogonon ochreatum (L.) Hara, $2n = 20$; Russia, Magadanskaya Oblast', Barkalov 7053.

ROSACEAE

Fragaria orientalis Losinsk., $2n = 28$; Russia, Primorskii Krai, Nechaev 10554 (10673), Kapustina 10722.

Geum aleppicum Jacq., $2n = 42$; Russia, Primorskii Krai, Lapenko 10710.

Potentilla centigrana Maxim., $2n = 14$; Russia, Primorskii Krai, NP & VS 9603.

Potentilla flagellaris Willd. ex Schldtl., $2n = 14$; Russia, Primorskii Krai, Nechaev 10196.

Potentilla fragarioides L., $2n = 14$; Russia, Primorskii Krai, Nesterova 10343.

Potentilla supina L., $2n = 28$; Russia, Amurskaya Oblast', Denisenko (Shatokhina) 9153.

Sanguisorba officinalis L., $2n = 28$; Russia, Primorskii Krai, Barkalov 9281.

URTICACEAE

Urtica cannabina L., $2n = 26$; Russia, Irkutskaya Oblast', NP & VS 10735.

VIOLACEAE

Viola acuminata Ledeb., $2n = 20$; Russia, Primorskii Krai, NP & VS 8650.

Viola patrinii DC., $2n = 24$; Russia, Primorskii Krai, Nechaev 10672.

IOPB COLUMN

Edited by Karol Marhold & Gonzalo Nieto Feliner

IAPT/IOPB chromosome data 6

Edited by Karol Marhold

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* First chromosome count for the species.

▼ First chromosome count from an East Siberia accession

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ACORACEAE*Acorus calamus* L.

$2n = 24$, CHN. Russia, East Siberia, Irkutskaya Oblast', Tulunskii Raion, Krasnoozerskii village, moist depression next to the village, 54°16'N, 100°42'E, 02 Jul 2007, Gnutikov & Chepinoga C477 (IRKU).

ALISMATACEAE*Sagittaria natans* Pall.

▼ $2n = 22$, CHN. Russia, East Siberia, Irkutskaya Oblast', Taishetskii Raion, Shelaevo village, in Solonetskoe lake, 56°56'N, 97°40'E, 10 Jul 2007, Gnutikov & Enushchenko C529 (IRKU); Russia, East Siberia, Chitinskaya Oblast', Olovyanninskii Raion, 14 km NNE of Olovyannaya, right riverside of Onon river, opposite of Zugol village, 51°02'N, 115°38'E, 19 Jun 2007, Gnutikov & Enushchenko C415 (IRKU).

Sagittaria sagittifolia L.

▼ $2n = 22$, CHN. Russia, East Siberia, Irkutskaya Oblast', Taishetskii Raion, left riverside floodplain of Biryusa river, in the Tremino village, 56°43'N, 98°01'E, 09 Jul 2007, Gnutikov & Chepinoga C522 (IRKU).

Sagittaria trifolia L.

▼ $2n = 22$, CHN. Russia, East Siberia, Irkutskaya Oblast', Tulunskii Raion, 3 km SE of Gadalei village, 54°22'N, 100°44'E, 13 Jul 2007, Gnutikov & Chepinoga C552 (IRKU).

BRASSICACEAE*Megadenia bardunovii* Popov

* $2n = 20$, CHN. Russia, East Siberia, Buryatiya, Tunkinskii Raion, left riverside of Irkut river, branch Bor'skii Irkut, 7 km WNW of Turan village, shoreline of spring, together with *Cratoneuron filicinum* (Hedw.) Spruce, 22 Aug 2006, Kazanovsky C347 (IRKU).

CABOMBACEAE*Brasenia schreberi* J.F. Gmel.

▼ $2n = 80$, CHN. Russia, East Siberia, Irkutskaya Oblast', Tulunskii Raion, 3 km SE of Gadalei village, 54°22'N, 100°44'E, 13 Jul 2007, Gnutikov & Chepinoga C553 (IRKU).

HIPPURIDACEAE*Hippuris vulgaris* L.

$2n = 32$, CHN. Russia, East Siberia, Chitinskaya Oblast', Uletovskii Raion, Nikolaevskoe village, the moist shore of outflow of Nikolaevskoe lake, 51°03'44"N, 111°44'55"E, 08 Aug 2007, Gnutikov & Enushchenko C599 (IRKU); Russia, East Siberia, Chitinskaya Oblast', Chitinskii Raion, 5 km N of Lesnoi Gorodok, next to Staraya Kuka village, floodplain of Ingoda river, 51°56'N, 113°04'E, 20 Jun 2007, Gnutikov & Enushchenko C425 (IRKU).

HYDROCHARITACEAE*Hydrocharis morsus-ranae* L.

$2n = 28$, CHN. Russia, East Siberia, Irkutskaya Oblast', Tayshetskii Raion, left riverside floodplain of Biryusa river, in the Tremino village, 56°43'N, 98°01'E, 09 Jul 2007, Gnutikov & Enushchenko C524 (IRKU).

LEMNACEAE*Spirodela polyrhiza* (L.) Schleid.

▼ $2n = 42$, CHN. Russia, East Siberia, Irkutskaya Oblast', Taishetskii Raion, left riverside floodplain of Biryusa river, in the Tremino village, 56°43'N, 98°01'E, 09 Jul 2007, Gnutikov & Enushchenko C520 (IRKU).

MENYANTHACEAE*Nymphoides peltata* (S.G. Gmel.) O. Kuntze

▼ $2n = 54$, CHN. Russia, East Siberia, Chitinskaya Oblast', Olovyanninskii Raion, 14 km NNE of Olovyannaya, right riverside of Onon river, opposite of Zugol village, 51°02'N, 115°38'E, 19

All materials for the chromosome column should be submitted electronically to: Karol Marhold, karol.marhold@savba.sk (Institute of Botany, Slovak Academy of Sciences, SK-845 23 Bratislava, Slovakia, and Department of Botany, Charles University, CZ 128-01 Prague, Czech Republic). The full version of this contribution is available in the online edition of TAXON. The following citation format is recommended: Baltisberger, M. & Voelger, M. 2006. *Sternbergia sicula*. In: Marhold, K. (ed.), IAPT/IOPB chromosome data 1. *Taxon* 55: 444, E2.

Jun 2007, *Gnutikov & Enushchenko C411* (IRKU); Russia, East Siberia, Chitinskaya Oblast', 2 km N of Cheremkhovo village, in Nimfeinokovoe lake, 51°28'09"N, 100°44'25"E, 12 Aug 2007, *Gnutikov & Enushchenko C618* (IRKU).

NYMFAEACEAE

Nuphar pumila (Timm) DC.

▼ $2n = 34$, CHN. Russia, East Siberia, Irkutskaya Oblast', Tulunskii Raion, 2 km W of Uigat village, floodplain of left riverside Kirei river, 54°05'N, 100°34'E, 01 Jul 2007, *Gnutikov & Enushchenko C461* (IRKU).

Nymphaea tetragona Georgi

▼ $2n = \text{ca. } 52$, CHN. Russia, East Siberia, Irkutskaya Oblast', Tulunskii Raion, 2 km W of Uigat village, left riverside floodplain of Kirei river, 54°05'N, 100°34'E, 01 Jul 2007, *Gnutikov & Enushchenko C460* (IRKU).

POACEAE

Agrostis gigantea Roth

▼ $2n = 42$, CHN. Russia, East Siberia, Irkutskaya Oblast', Tulunskii Raion, 2 km S of Krasnoozerskii village, right riverside of Iya river, opposite of Evdokimovskii village, 54°13'N, 100°42'E, 01 Jul 2007, *Gnutikov & Enushchenko C466* (IRKU); Russia, East Siberia, Irkutskaya Oblast', Tulunskii Raion, 10 km S of Gadalei village, right riverside floodplain of Iya river, on the shore of Chernoe lake, 54°18'N, 100°43'E, 02 Jul 2007, *Gnutikov & Enushchenko C482* (IRKU); Russia, East Siberia, Irkutskaya Oblast', Taishetskii Raion, 2 km NE of Kontorka village, left riverside of Biryusa river, herbaceous meadow, 56°02'N, 97°53'E, 05 Jul 2007, *Gnutikov & Enushchenko C488* (IRKU).

Alopecurus aequalis Sobol.

$2n = 14$, CHN. Russia, East Siberia, Irkutskaya Oblast', Tulunskii Raion, 2 km W of Uigat village, left riverside of Kirei river, on the shore, 54°05'N, 100°34'E, 30 Jun 2007, *Gnutikov & Enushchenko C448* (IRKU); Russia, East Siberia, Chitinskaya Oblast', Olovyanninskii Raion, 14 km NNE of Olovyannaya, right riverside of Onon river, opposite of Zugol village, 51°02'N, 115°38'E, 17 Jun 2007, *Gnutikov & Enushchenko C387* (IRKU).

Alopecurus arundinaceus Poir.

$2n = 28$, CHN. Russia, East Siberia, Buryatiya, Tarbagataiskii Raion, Tarbagatai village, right riverside of Kuitunka river, 51°10'N, 109°01'E, 13 Jun 2007, *Gnutikov & Enushchenko C356* (IRKU).

Arctopoa subfastigiata (Trin.) Prob.

$2n = 42$, CHN. Russia, East Siberia, Buryatiya, Tarbagataiskii Raion, Tarbagatai village, right riverside of Kuitunka river, 51°10'N, 109°01'E, 13 Jun 2007, *Gnutikov & Enushchenko C354* (IRKU).

Beckmannia hirsutiflora (Roshev.) Prob.

▼ $2n = 14$, CHN. Russia, East Siberia, Chitinskaya Oblast', Olovyanninskii Raion, 14 km NNE of Olovyannaya, right riverside of Onon river, opposite of Zugol village, 51°02'N, 115°38'E, 19 Jun 2007, *Gnutikov & Enushchenko C412* (IRKU).

Beckmannia syzigachne (Steud.) Fernald

$2n = 14$, CHN. Russia, East Siberia, Irkutskaya Oblast', Taishetskii Raion, 1 km S Buzykanovo village, birch-pine forest, roadside, 56°33'N, 98°22'E, 11 Jul 2007, *Gnutikov & Enushchenko C543* (IRKU).

Bromopsis sibirica (Drobow) Peschkova

* $2n = 56$, CHN. Russia, East Siberia, Irkutskaya Oblast', Tulunskii Raion, 2 km S of Krasnoozerskii village, right riverside of Iya river, opposite of Evdokimovskii village, shore of river, 54°13'N, 100°42'E, 01 Jul 2007, *Gnutikov & Enushchenko C462* (IRKU).

Calamagrostis arundinacea (L.) Roth

▼ $2n = 28$, CHN. Russia, East Siberia, Irkutskaya Oblast', Tulunskii Raion, 10 km S of Gadalei village, right riverside floodplain of Iya river, shore of Chernoe lake, 54°18'N, 100°43'E, 02 Jul 2007, *Gnutikov & Enushchenko C481* (IRKU).

Calamagrostis epigeios (L.) Roth

▼ $2n = 28$, CHN. Russia, East Siberia, Irkutskaya Oblast', Tulunskii Raion, 2 km N of Krasnoozerskii village, right riverside of Iya River, on the shore, 54°17'N, 100°42'E, 02 Jul 2007, *Gnutikov & Chepinoga C473* (IRKU).

Calamagrostis langsdorffii (Link) Trin.

$2n = 28$, CHN. Russia, East Siberia, Irkutskaya Oblast', Taishetskii Raion, Shelaevo village, shore of Solonetskoe lake, 56°56'N, 97°40'E, 10 Jul 2007, *Gnutikov & Enushchenko C532* (IRKU).

Calamagrostis purpurea (Trin.) Trin.

$2n = 28$, CHN. Russia, East Siberia, Chitinskaya Oblast', Olovyanninskii Raion, 14 km NNE of Olovyannaya, right riverside of Onon river, opposite of Zugol village, 51°02'N, 115°38'E, 17 Jun 2007, *Gnutikov & Enushchenko C386* (IRKU); Russia, East Siberia, Irkutskaya Oblast', Tulunskii Raion, 2 km S of Krasnoozerskii village, right riverside of Iya river, opposite of Evdokimovskii village, shore of the river, 54°13'N, 100°42'E, 01 Jul 2007, *Gnutikov & Enushchenko C469* (IRKU).

Deschampsia caespitosa (L.) P. Beauv.

$2n = 26$, CHN. Russia, East Siberia, Irkutskaya Oblast', Tulunskii Raion, 2 km W of Uigat village, left riverside of Kirei river, on the shore, 54°05'N, 100°34'E, 30 Jun 2007, *Gnutikov & Enushchenko C443* (IRKU); Russia, East Siberia, Irkutskaya Oblast', Taishetskii Raion, Tremino village, left riverside of Biryusa river, shoreline, 56°43'N, 98°01'E, 09 Jul 2007, *Gnutikov & Enushchenko C519* (IRKU); Russia, East Siberia, Irkutskaya Oblast', Taishetskii Raion, 1,5 km S of Konovalovo village, left riverside of Biryusa river, shoreline, 56°05'N, 98°09'E, 07 Jul 2007, *Gnutikov & Enushchenko C513* (IRKU); Russia, East Siberia, Irkutskaya Oblast', Taishetskii Raion, 2 km NE of Kontorka village, left riverside of Biryusa river, herbaceous meadow, 56°02'N, 97°53'E, 05 Jul 2007, *Gnutikov & Enushchenko C489* (IRKU).

Elymus exselsus Turcz. ex Griseb.

▼ $2n = 42$, CHN. Russia, East Siberia, Chitinskaya Oblast', Uletovskii Raion, 4 km N of Ablatuisckii Bor village, bitterly-salt lake Selitryanoe, solonets meadow along the shoreline, 51°13'34"N, 112°14'16"E, 10 Aug 2007, *Gnutikov & Enushchenko C608* (IRKU).

Elymus gmelinii (Ledeb.) Tzvelev

▼ $2n = 28$, CHN. Russia, East Siberia, Irkutskaya Oblast', Tulunskii Raion, 3 km SE of Gadalei village, birch-pine forest, 54°22'N, 100°44'E, 13 Jul 2007, *Gnutikov & Enushchenko C547* (IRKU).

Elymus pendulinus (Nevski) Tzvelev

▼ $2n = 28$, CHN. Russia, East Siberia, Chitinskaya Oblast', Olovyanninskii Raion, 14 km NNE of Olovyannaya, right riverside

of Onon river, opposite of Zugol village, 51°02'N, 115°38'E, 19 Jun 2007, *Gnutikov & Enushchenko C408* (IRKU).

Elymus sibiricus L.

2n = 28, CHN. Russia, East Siberia, Chitinskaya Oblast', Olovyanninskii Raion, 14 km NNE of Olovyannaya, right riverside of Onon river, opposite of Zugol village, 51°02'N, 115°38'E, 18 Jun 2007, *Gnutikov & Enushchenko C405* (IRKU).

Festuca sibirica Hack. ex Boiss.

2n = 28, CHN. Russia, East Siberia, Buryatiya, Tarbagataiskii Raion, 5 km N of Tarbagatai village, the slope of steppe hill, roadside of Moskovskii trakt, 51°08'20"N, 108°12'27"E, 14 Jun 2007, *Gnutikov & Enushchenko C368* (IRKU).

Glyceria spiculosa (F. Schmidt) Roshev.

▼ 2n = 40, CHN. Russia, East Siberia, Irkutskaya Oblast', Tulunskii Raion, 2 km N of Krasnoozerskii village, right riverside of Iya river, shore of Kubyshka, 54°17'N, 100°42'E, 02 Jul 2007, *Gnutikov & Chepinoga C476* (IRKU).

Glyceria triflora (Maxim.) Kom.

▼ 2n = 20, CHN. Russia, East Siberia, Chitinskaya Oblast', Uletovskii Raion, Goreka village, left riverside of Goreka river, moist shore, 51°04'N, 111°59'E, 07 Aug 2007, *Gnutikov & Enushchenko C589* (IRKU); Russia, East Siberia, Chitinskaya Oblast', Olovyanninskii Raion, 14 km NNE of Olovyannaya, right riverside of Onon river, opposite of Zugol village, 51°02'N, 115°38'E, 19 Jun 2007, *Gnutikov & Enushchenko C410* (IRKU).

Helictotrichon pubescens (Huds.) Pilg.

▼ 2n = 14, CHN. Russia, East Siberia, Irkutskaya Oblast', Irkutsk city, microraiion Sinyushina Gora, floodplain of Irkut river, herbaceous-grass meadow, 52°16'N, 104°10'E, 31 May 2007, *Enushchenko C352* (IRKU); Russia, East Siberia, Irkutskaya Oblast', Tulunskii Raion, 2 km W of Uigat village, left riverside of Kirei river, on the shore, 54°05'N, 100°34'E, 30 Jun 2007, *Gnutikov & Enushchenko C442* (IRKU).

Helictotrichon schellianum (Hack.) Roshev.

▼ 2n = 14, CHN. Russia, East Siberia, Irkutskaya Oblast', Tulunskii Raion, 5 km N of Tulun, near Pisarevo village, left riverside of Iya river, steppe slope, 54°36'N, 100°36'E, 29 Jun 2007, *Gnutikov & Enushchenko C550* (IRKU); Russia, East Siberia, Buryatiya, Tarbagataiskii Raion, 5 km N of Tarbagatai village, the slope of steppe hill, roadside of Moskovskii trakt, 51°08'20"N, 108°12'27"E, 14 Jun 2007, *Gnutikov & Enushchenko C365* (IRKU).

Hierocloë glabra Trin.

2n = 42, CHN. Russia, East Siberia, Chitinskaya Oblast', Olovyanninskii Raion, 8 km SSE of Olovyannaya, near Topolevka village, small lake in floodplain of Onon river, 50°53'N, 115°37'E, 19 Jun 2007, *Gnutikov & Enushchenko C418* (IRKU).

Koeleria cristata (L.) Pers.

2n = 28, CHN. Russia, Buryatiya, Mukhorshibirskii Raion, 15 km NNW of Mukhorshibir', waterbody on one of inflows of Tugnui river, on the shore, 51°11'N, 107°16'E, 14 Jun 2007, *Gnutikov & Enushchenko C362* (IRKU).

Phalaroides arundinacea (L.) Rausch.

2n = 28, CHN. Russia, East Siberia, Irkutskaya Oblast', Tayshetskii Raion, 1,5 km S of Konovalovo village, left riverside of

Biryusa river, shoreline, 56°05'N, 98°09'E, 07 Jul 2007, *Gnutikov & Hoff C511* (IRKU); Russia, East Siberia, Irkutskaya Oblast', Taishetskii Raion, 2 km NE of Kontorka village, left riverside of Biryusa river, herbaceous meadow, 56°02'N, 97°53'E, 06 Jul 2007, *Gnutikov & Enushchenko C494* (IRKU); Russia, East Siberia, Irkutskaya Oblast', Tulunskii Raion, 2 km N of Krasnoozerskii village, right riverside of Iya river, 54°17'N, 100°42'E, 02 Jul 2007, *Gnutikov & Enushchenko C475* (IRKU).

Phleum phleoides (L.) Karsten

▼ 2n = 28, CHN. Russia, East Siberia, Irkutskaya Oblast', Tulunskii Raion, 2 km N of Krasnoozerskii village, right riverside of Iya river, meadow, 54°17'N, 100°42'E, 02 Jul 2007, *Gnutikov & Enushchenko C470* (IRKU).

Poa pratensis L.

▼ 2n = 56, CHN. Russia, East Siberia, Chitinskaya Oblast', Uletovskii Raion, 28 km W of Tanga village, SE coast of Areiskoe lake, Larix dahurica forest, 50°58'N, 111°33'E, 15 Jun 2007, *Gnutikov & Enushchenko C375* (IRKU).

Poa supina Schrad.

▼ 2n = 14, CHN. Russia, Krasnoyarskii Krai, Abanskii Raion, next to Lapino village, 56°57'N, 97°37'E, 11 Jul 2007, *Gnutikov & Enushchenko C539* (IRKU); Russia, East Siberia, Irkutskaya Oblast', Slyudyanskii Raion, Khara-Murin river, near Moskovskii trakt, shore of the river, 51°27'12"N, 104°24'48"E, 04 Aug 2007, *Gnutikov & Enushchenko C574* (IRKU); Russia, East Siberia, Irkutskaya Oblast', Taishetskii Raion, 1.5 km S of Konovalovo village, left riverside of Biryusa river, shoreline, 56°05'N, 98°09'E, 07 Jul 2007, *Gnutikov & Enushchenko C512* (IRKU); Russia, East Siberia, Chitinskaya Oblast', Uletovskii Raion, 28 km W of Tanga village, SE coast of Areiskoe lake, Larix dahurica forest, 50°58'N, 111°33'E, 15 Jun 2007, *Gnutikov & Enushchenko C371* (IRKU).

Puccinellia hauptiana V. I. Krecz. ex Schischk.

▼ 2n = 28, CHN. Russia, East Siberia, Irkutskaya Oblast', Taishetskii Raion, Shitkino village, lake in the village, on the shore, 56°22'N, 98°20'E, 08 Jul 2007, *Gnutikov & Enushchenko C517* (IRKU); Russia, East Siberia, Chitinskaya Oblast', Aginskii Buryatskii Autonomous Region, Mogoituiskii Raion, 1 km NW of Ononsk village, right riverside of Onon river, shoreline, 51°00'N, 115°34'E, 19 Jun 2007, *Gnutikov & Enushchenko C421* (IRKU); Russia, East Siberia, Chitinskaya Oblast', Olovyanninskii Raion, 4 km N of Yasnogorsk, left riverside of Onon river, moist shore, 51°00'N, 115°34'E, 18 Jun 2007, *Gnutikov & Enushchenko C402* (IRKU).

Puccinellia macranthera V. I. Krecz.

*2n = 28, CHN. Russia, East Siberia, Buryatiya, Mukhorshibirskii Raion, 15 km NNW of Mukhorshibir', waterbody on one of inflows of Tugnui river, on the shore, 51°11'N, 107°16'E, 14 Jun 2007, *Gnutikov & Enushchenko C367* (IRKU).

Setaria viridis (L.) P. Beauv.

▼ 2n = 18, CHN. Russia, East Siberia, Buryatiya, Tarbagataiskii Raion, Tarbagatai village, right riverside of Kuitunka river, 51°10'N, 109°01'E, 06 Aug 2007, *Gnutikov & Enushchenko C573* (IRKU).

Trisetum sibiricum Rupr.

▼ 2n = 14, CHN. Russia, East Siberia, Irkutskaya Oblast', Taishetskii Raion, 5 km NE Staryi Akul'shet village, left riverside

of Biryusa river, near the old bridge, roadside, 56°02'N, 98°02'E, 07 Jul 2007, *Gnutikov & Enushchenko C503* (IRKU).

POLYGONACEAE

Persicaria hydropiper (L.) Spach

▼ $2n = 20$, CHN. Russia, East Siberia, Chitinskaya Oblast', Uletovskii Raion, Tanga village, Tanginskii pond, on the shore, 50°58'49"N, 111°33'51"E, 06 Aug 2007, *Gnutikov & Enushchenko C577* (IRKU); Russia, East Siberia, Irkutskaya Oblast', Tulunskii Raion, 2 km W of Uigat village, left riverside floodplain Kirei river, in puddle next to the road, 54°05'N, 100°34'E, 30 Jun 2007, *Gnutikov & Enushchenko C456* (IRKU).

PRIMULACEAE

Naumburgia thyrsoiflora (L.) Rchb.

$2n = 40$, CHN. Russia, Krasnoyarskii Krai, Abanskii Raion, next to Lapino village, 56°57'N, 97°37'E, 11 Jul 2007, *Gnutikov & Enushchenko C538* (IRKU).

RANUNCULACEAE

Batrachium circinatum (Sibth.) Spach

▼ $2n = 16$, CHN. Russia, East Siberia, Irkutskaya Oblast', Tulunskii Raion, 3 km SE of Gadalei village, in shallow flow, 54°22'N, 100°44'E, 13 Jul 2007, *Gnutikov & Enushchenko C555* (IRKU); Russia East Siberia, Chitinskaya Oblast', Chitinskii Raion, 5 km N of Lesnoi Godordok, near Staraya Kuka village, floodplain of Ingoda river, 51°56'N, 113°04'E, 20 Jun 2007, *Gnutikov & Enushchenko C423* (IRKU).

Batrachium kauffmannii (Clerc) V.I. Krecz.

* $2n = 32$, CHN. Russia, East Siberia, Irkutskaya Oblast', Tulunskii Raion, 2 km W of Uigat village, left riverside of Kirei river, in flow, 54°05'N, 100°34'E, 30 Jun 2007, *Gnutikov & Enushchenko C446* (IRKU); Russia, East Siberia, Chitinskaya Oblast', 8 km SW of Tataurovo village, left riverside of Ingoda river, in shallow flow, 51°32'50"N, 112°50'53"E, 12 Aug 2007, *Gnutikov & Enushchenko C620* (IRKU).

Thacla natans (Pall. ex Georgi) Deyl & Soják

$2n = 32$, CHN. Russia, East Siberia, Chitinskaya Oblast', Chitinskii Raion, 5 km N of Lesnoi Godordok, near Staraya Kuka village, floodplain of Ingoda river, 51°56'N, 113°04'E, 20 Jun 2007, *Gnutikov & Enushchenko C424* (IRKU); Russia, East Siberia, Chitinskaya Oblast', Uletovskii Raion, Goreka village, left riverside of Goreka river, moist shore, 51°04'N, 111°59'E, 07 Aug 2007, *Gnutikov & Enushchenko C591* (IRKU).

SCROPHULARIACEAE

Limosella aquatica L.

▼ $2n = 40$, CHN. Russia, East Siberia, Irkutskaya Oblast', Tulunskii Raion, 2 km W of Uigat village, in puddle next to the road, 54°05'N, 100°34'E, 30 Jun 2007, *Gnutikov & Enushchenko C455* (IRKU); Russia, East Siberia, Irkutskaya Oblast', Taishetskii Raion, 5 km NE Staryi Akul'shet village, left riverside of Biryusa river, near the old bridge, roadside, 56°02'N, 98°02'E, 07 Jul 2007, *Gnutikov & Enushchenko C501* (IRKU).

SPARGANIACEAE

Sparganium glomeratum Laest. ex Beurl.

* $2n = 30$, CHN. Russia, East Siberia, Irkutskaya Oblast', Tulunskii Raion, 3 km SE Gadalei village, 54°22'N, 100°44'E, 13 Jul 2007, *Gnutikov & Enushchenko C556* (IRKU).

Sparganium rothertii Tzvelev

$2n = 30$, CHN. Russia, East Siberia, Chitinskaya Oblast', Olovyanninskii Raion, 14 km NNE of Olovyannaya, right riverside of Onon river, opposite of Zugol village, 51°02'N, 115°38'E, 18 Jun 2007, *Gnutikov & Enushchenko C406* (IRKU).

TRAPACEAE

Trapa sibirica Flerow

* $2n = 48$, CHN. Russia, East Siberia, Irkutskaya Oblast', Taishetskii Raion, Shelaevo village, in Solonetskoe lake, 56°56'N, 97°40'E, 10 Jul 2007, *Gnutikov & Enushchenko C533* (IRKU).

TYPHACEAE

Typha laxmannii Lepech.

▼ $2n = 30$, CHN. Russia, East Siberia, Chitinskaya Oblast', Uletovskii Raion, 4 km N of Ablatuisckii Bor village, bitterly-salt Selitryanoe lake, solonets meadow along the shoreline, 51°13'34"N, 112°14'16"E, 09 Aug 2007, *Gnutikov & Enushchenko C603* (IRKU).

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* First chromosome count for the species marked.

** New chromosome number (cytotype) for the species.

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ALLIACEAE

Allium condensatum Turcz.

$2n = 16$, CHN. Russia, Far East, Primorskii Krai, Peter the Great Bay, Far East Marine biosphere reserve, Bol'shoi Pelis Island, a slope of marine terrace, 26 Jun 2001, *Prozorova 8492* (VLA).

Allium monanthum Maxim.

$2n = 32$, CHN. Russia, Far East, Primorskii Krai, Muravëv-Amurskii Peninsula, Okeanskii mountain ridge, oak forest, 21 Apr 2007, *Nechaev 10762* (VLA).

Allium spirale Willd. ex Schldl.

$2n = 32$, CHN. Russia, Far East, Primorskii Krai, Peter the Great Bay, Popova Island, May 2003, *Pavlova 8990* (VLA).

APIACEAE

Ligusticum hulthenii Fernald

$2n = 22$, CHN. Russia, Far East, Khabarovskii Krai, Ul'chskii Raion, De-Kastri, Chikhacheva Bay, sea shore in Severnaya Bay, 15 Aug 2005, *Tolmacheva 9941* (VLA).

ARACEAE

Arisaema amurense Maxim.

$2n = 56$, CHN. Russia, Far East, Primorskii Krai, Khassanskii Raion, nature reserve Kedrovaya Pad', broadleaved forest, near the office building, 14 May 2007, *Shibneva 10553* (VLA).

Calla palustris L.

$2n = 36$, CHN. Russia, Far East, Amurskaya Oblast', Arkharinskii Raion, Khinganskii nature reserve, Antonovskoe forestry, the reach of Borya River, in water, 4 Oct 2006, *Kudrin 10441* (VLA).

ARALIACEAE*Eleutherococcus senticosus* (Rupr. & Maxim.) Maxim.

$2n = 48$, CHN. Russia, Far East, Amurskaya Oblast', Arkharinskii Raion, 50 km south-eastwards of Arkhara railway station, Khinganskoe forestry, coniferous-broadleaved forest, 10 May 2007, *Kapustina 10616* (VLA).

ARISTOLOCHIACEAE*Aristolochia contorta* Bunge

$2n = 14$, CHN. Russia, Far East, Primorskii Krai, Ussuriiskii Raion, in vicinity of the railway station Baranovskii, the floodplain of Razdol'naya (Suifun) River, *Salix* forest, 15 Mar 2008, *Nechaev 10951* (VLA).

Asarum sieboldii Miq.

$2n = 26$, CHN. Russia, Far East, Primorskii Krai, Mikhailovskii Raion, 2 km eastwards of Nekruglovo village, forest ravine, 17 May 2008, *Lapenko 10965* (VLA).

ASTERACEAE*Ageratum houstonianum* Mill.

$2n = 20$, CHN. Russia, Far East, Amurskaya Oblast', Blagoveshchensk city, Relochny lane, as ruderal plant near the building, 5 Oct 2007, *Probatova & Seledets 10881* (VLA).

Artemisia borealis Pall.

$2n = 18$, CHN. Russia, Far East, Kamchatskii Krai, Kamchatka Peninsula, Avachinskaya Sopka Volcano, southern slope, Lavovaya Pad', Lakhar River, on volcanic scoria, 20 Sep 1998, *Yakubov 8453* (VLA); Russia, Far East, Kamchatskii Krai, Kamchatka Peninsula, a slope of Avachinskaya Sopka Volcano, Lavovaya Pad', subalpine zone, on deposits of volcanic sands and scoria, 5 Sep 2000, *Yakubov 8440* (VLA).

Artemisia furcata M. Bieb.

$2n = 18$, CHN. Russia, Far East, Kamchatskii Krai, Kamchatka Peninsula, central part, Ostryi Tolbachik Volcano, southern slope, ca. 1,200 m, mountain tundra, 23 Aug 2000, *Yakubov 8442* (VLA); Russia, Far East, Kamchatskii Krai, Kamchatka Peninsula, Ust'-Bol'sheretskii Raion, Kikhchik River basin, Sredinnyi Kamchatskii mountain ridge, in vicinity of Mt. Aopcha, 700 m alt., stony crest, ericaceous tundra, 10 Aug 2001, *Yakubov 8741* (VLA).

Artemisia glomerata Ledeb.

$2n = 18$, CHN. Russia, Far East, Kamchatskii Krai, Kamchatka Peninsula, Avachinskaya Sopka Volcano, southern slope, Lavovaya Pad', subalpine zone, on volcanic scoria, 5 Sep 2000, *Yakubov 8441* (VLA).

Artemisia gmelinii Web. ex Stechm.

$2n = 54$, CHN. Russia, East Siberia, Buryatia, Selenginskii Raion, 1 km southwards of Novo-Selenginsk, stony steppe with *Amygdalus*, 11 Sep 2004, *Probatova & Seledets 9719*; Russia, Far East, Amurskaya Oblast', 40 km northwards of Blagoveshchensk, the nature protected area Mukhinka, near the tourist centre "Mukhinskaya", lakeside, forest edge, 29 Sep 2007, *Probatova & Seledets 10752* (VLA); Russia, Far East, Primorskii Krai, Peter the Great Bay, Malii Island, 3 Jul 2007, *Seledets 10669* (VLA).

Artemisia keiskeana Miq.

$2n = 18$, CHN. Russia, Far East, Primorskii Krai, Peter the Great Bay, Russkii Island, post-forest community, 24 Sep 1999, *Probatova & Seledets 8149* (VLA).

Artemisia littoricola Kitam.

$2n = 36$, CHN. Russia, Far East, Primorskii Krai, Peter the Great Bay, Elena Island, Cape Larionova, at the bottom of stony slope, sea shore, 19 Sep 1997, *Probatova & Seledets 7418* (VLA).

Artemisia selengensis Turcz. ex Besser

$2n = 36$, CHN. Russia, Far East, Primorskii Krai, Mikhailovskii Raion, 140 km of the route Vladivostok-Khabarovsk, in vicinity of Ossinovka village, 20 Aug 1996, *Rudyka 7456* (VLA).

Artemisia stolonifera (Maxim.) Kom.

$2n = 36$, CHN. Russia, Far East, Primorskii Krai, Peter the Great Bay, Russkii Island, 3 km eastwards of Rynda Bay, valley forest (*Juglans* and *Alnus*), 17 Oct 1998, *Probatova & Seledets 7814* (VLA); Russia, Far East, Primorskii Krai, Amurskii Bay, Cape Peshchanyi (opposite Vladivostok), broadleaved forest on the slope, 10 Jun 2003, *Pavlova 9008* (VLA).

Artemisia sylvatica Maxim.

$2n = 16$, CHN. Russia, Far East, Primorskii Krai, Peter the Great Bay, Russkii Island, 3 km eastwards of Rynda Bay, valley forest (*Juglans* and *Alnus*), 17 Oct 1998, *Probatova & Seledets 7808* (VLA).

Aster ageratoides Turcz.

$2n = 18$, CHN. Russia, Far East, Primorskii Krai, Terneiskii Raion, 25 km northwards of Ternei, Sikhote-Alinskii biosphere reserve, cordon Maissa, Yasnaya River, in forest, 23 Sep 2005, *Seledets 10008* (VLA); Russia, Far East, Primorskii Krai, Terneiskii Raion, near Ternei, north-eastern slope, oak forest with *Corylus* and *Rhododendron*, 23 Sep 2005, *Nesterova 10019* (VLA); Russia, Far East, Primorskii Krai, Vostok Bay, on the slope of marine terrace, 2 Sep 1997, *Probatova & Seledets 7352* (VLA).

Atractylodes ovata (Thunb.) DC.

$2n = 24$, CHN. Russia, Far East, Amurskaya Oblast', 40 km northwards of Blagoveshchensk, the nature protected area Mukhinka, mountainside, Pinus and Quercus forest, 30 Sep 2007, *Probatova & Seledets 10772* (VLA).

Cacalia hastata L.

$2n = 60$, CHN. Russia, Far East, Primorskii Krai, Peter the Great Bay, Russkii Island, near Podnozhye, 500 m to Shiguino, a glade in the forest, by the rivulet, 28 May 2007, *Rudyka 10573* (VLA).

Centaurea jacea L.

$2n = 22$, CHN. Russia, Far East, Primorskii Krai, Shkotovskii Raion, Petrovka village, roadside, 19 Oct 2005, *Pavlova 10051* (VLA).

$2n = 44$, CHN. Russia, Far East, Primorskii Krai, Peter the Great Bay, Reineke Island, a meadow near the roadside, 15 Sep 1995, *Kudryavtseva 7578* (VLA).

Chrysanthemum coreanum (H. Lév. & Vaniot) Nakai & T. Mori (*Dendranthema coreanum* (H. Lév. & Vaniot) Vorosch.)

$2n = 36$, CHN. Russia, Far East, Primorskii Krai, Dal'negorskii

Raion, near Rudnaya Pristan', nature monument "Vulkan Brinera", stony slope, 24 Sep 2005, *Seledets 10477a* (VLA).

Crepidiastrum denticulatum (Houtt.) Pak & Kawano (*Paraxeris denticulata* (Houtt.) Nakai)

$2n = 10$, CHN. Russia, Far East, Primorskii Krai, Peter the Great Bay, Elena Island, Cape Larionova, stony slope, 19 Sep 1997, *Probatova & Seledets 7553* (VLA); Russia, Far East, Primorskii Krai, Peter the Great Bay, Russkii Island, Rynda Bay, 7 Oct 2004, *Seledets 9749* (VLA).

Erigeron kamtschaticus DC.

$2n = 18$, CHN. Russia, Far East, Kamchatskii Krai, Kamchatka Peninsula, Bystrinskii Raion, near Esso, forest zone, meadow, 5 Sep 2004, *Yakubov 9695* (VLA).

Erigeron thunbergii A. Gray

$2n = 18$, CHN. Russia, Far East, Kamchatskii Krai, Kamchatka Peninsula, Ust'-Kamchatskii Raion, Sopka Ploskaya Volcano, meadow-tundra community, 19 Aug 2004, *Yakubov 9699* (VLA).

Galinsoga ciliata (Raf.) S.F. Blake

$2n = 32$, CHN. Russia, Far East, Primorskii Krai, Peter the Great Bay, Reineke Island, roadside, 15 Sep 1995, *Kudryavtseva 7650* (VLA).

Heteropappus saxomarinus Kom.

$2n = 18$, CHN. Russia, Far East, Primorskii Krai, Peter the Great Bay, Russkii Island, 2 km north-westwards of Cape Vyatlina, marine terrace, 24 Sep 1999, *Probatova & Seledets 7950* (VLA).

Hieracium umbellatum L.

$2n = 27$, CHN. Russia, Far East, Amurskaya Oblast', Blagoveshchenskii Raion, nature protected area Mukhinka, right riverside of Zeya River, 25 May 2004, *Shatokhina 9258* (VLA); Russia, Far East, Khabarovskii kraï, near Komsomol'sk-on-Amur city, May 2002, *Babkina 8412* (VLA).

Lagedium sibiricum (L.) Soják

$2n = 18$, CHN. Russia, Far East, Primorskii Krai, Mikhailovskii Raion, 3 km westwards of Kremovo village, hayfield, 15 Jun 2008, *Lapenko 11054* (VLA).

Leontopodium leontopodioides (Willd.) Beauverd

$2n = 26$, CHN. Russia, Far East, Primorskii Krai, Ussuriiskii Raion, near Korfovka, 2005, *Pavlova 9803* (VLA).

Picris kamtschatica Ledeb.

$2n = 10$, CHN. Russia, Far East, Kamchatskii Krai, Kamchatka Peninsula, central part, meadow near the upper limit of the forest zone, 5 Sep 2004, *Yakubov 9692* (VLA).

Pilosella xfloribunda (Wimm. & Grab.) Fr.

$2n = 36$, CHN. Russia, Far East, Primorskii Krai, Mikhailovskii Raion, 2.5 km westwards of Novo-Shakhtinsk settlement, hayfield, 15 Jun 2008, *Lapenko 11030* (VLA).

Pterocypsela indica (L.) C. Shih

$2n = 18$, CHN. Russia, Far East, Primorskii Krai, Peter the Great Bay, Elena Island, Cape Larionova, tall herbs community at the bottom of a slope, 19 Sep 1997, *Probatova & Seledets 7544* (VLA).

Pterocypsela triangulata (Maxim.) C. Shih

$2n = 18$, CHN. Russia, Far East, Primorskii Krai, Terneiskii Raion, 25 km northwards of Ternei, Sikhote-Alinskii biosphere reserve, cordon Maissa, Yasnaya River, in forest, 23 Sep 2005, *Seledets 10479* (VLA).

Pulicaria vulgaris Gaertn.

$2n = 18$, CHN. Russia, Far East, Primorskii Krai, Mikhailovskii Raion, Novo-Shakhtinsk settlement, roadside, 22 Jul 2007, *Lapenko 11018* (VLA).

Pyrethrum parthenium (L.) Sm.

$2n = 18$, CHN. Russia, Far East, Primorskii Krai, Muravëv-Amurskii Peninsula, Akademgorodok, roadside near Geological Institute, 2 Oct 2006, *Probatova 10436* (VLA).

Saussurea nuda Ledeb.

$2n = 26$, CHN. Russia, Far East, Khabarovskii Krai, the Sea of Okhotsk, Shantarskie Islands, Bol'shoi Shantar Island, 2006, *Kriukova 10422* (VLA).

Scorzonera albicaulis Bunge

$2n = 14$, CHN. Russia, Far East, Primorskii Krai, Shkotovskii Raion, in vicinity of Shkotovo, oak forest on a slope, 24 Sep 2005, *Nechaev 9974* (VLA).

Senecio pseudoarnica Less.

$2n = 40$, CHN. Russia, Far East, Primorskii Krai, Terneiskii Raion, Ternei settlement, Malaya Bay, coastal rocks, 13 Jun 2004, *Nesterova 9306* (VLA).

Senecio viscosus L.

$2n = 40$, CHN. Russia, Far East, Primorskii Krai, Dal'negorskii Raion, near Rudnaya Pristan', nature monument "Vulkan Brinera", 24 Sep 2005, *Seledets 10477* (VLA).

BERBERIDACEAE

Plagiorhegma dubia Maxim.

$2n = 12$, CHN. Russia, Far East, Primorskii Krai, Mikhailovskii Raion, 2 km eastwards of Nekruglovo village, forest ravine, 13 May 2008, *Lapenko 10957* (VLA).

BETULACEAE

Betula middendorffii Trautv. & C.A. Mey.

$2n = 28$, CHN. Russia, Far East, Primorskii Krai, Dal'negorskii Raion, in vicinity of Dal'negorsk, Solontsovaya Mt., ca. 1,000 m, along the watershed, 18 Aug 2002, *Gulariants 8970* (VLA).

BORAGINACEAE

Trigonotis radicans (Turcz.) Steven

$2n = ca. 24$, CHN. Russia, Far East, Primorskii Krai, Peter the Great Bay, Russkii Island, wet forest, 1998, *Probatova & Seledets 8148* (VLA).

BRASSICACEAE

Cardamine leucantha (Tausch) O.E. Schulz

$2n = 16$, CHN. Russia, Far East, Amurskaya Oblast', Arkharinskii Raion, 50 km south-eastwards of Arkhara railway station, Khinganskoe forestry, coniferous-broadleaved forest, 10 May 2007, *Kapustina 10598* (VLA); Russia, Far East, Primorskii Krai, Muravëv-Amurskii Peninsula, outskirts of Murav'inaya (Tavaiza) Bay, near the nature monument "Chernopikhtarnik", the flood-plain of Murav'ini Stream, 21 Oct 2004, *Probatova & Seledets 9600* (VLA).

Sisymbrium luteum (Maxim.) O.E. Schulz

2n = 28, CHN. Russia, Far East, Primorskii Krai, Peter the Great Bay, Lissii Island (Nakhodka Bay), 11 Sep 2002, *Nechaev 9323* (VLA).

Thlaspi arvense L.

2n = 14, CHN. Russia, Far East, Primorskii Krai, Mikhailovskii Raion, Novo-Shakhtinsk settlement, roadside, 22 Jul 2007, *Lapenko 11046* (VLA).

CAMPANULACEAE

Adenophora verticillata Fisch.

2n = 34, CHN. Russia, Far East, Primorskii Krai, Khassanskii Raion, nature reserve Kedrovaya Pad', 25 Sep 2007, *Korkishko 10850* (VLA).

Asyneuma japonicum (Miq.) Briq.

2n = 64, CHN. Russia, Far East, Primorskii Krai, Nadezhdinskii Raion, the upper course of Bol'shaya Anan'evka River, Borissovskoe Plateau, 25 km from the route, 4 Oct 2005, *Nechaev 10035* (VLA).

Campanula cephalotes Nakai

*2n = 34, CHN. Russia, Far East, Primorskii Krai, Khassanskii Raion, nature reserve Kedrovaya Pad', 25 Sep 2007, *Korkishko 10849* (VLA).

CARYOPHYLLACEAE

Cerastium furcatum Cham. & Schldl.

2n = 36, CHN. Russia, Far East, Primorskii Krai, Peter the Great Bay, Popova Island, Stark Strait, sea shore, 12 Sep 1997, *Probatova & Seledets 7392* (VLA); Russia, Far East, Primorskii Krai, Peter the Great Bay, Russkii Island, near Podnozhye, at the bottom of a slope, 24 Sep 1999, *Probatova & Seledets 7922* (VLA).

**2n = 48, CHN. Russia, Far East, Primorskii Krai, Peter the Great Bay, Klykova Island, *Prozorova 8169* (VLA).

Gypsophila pacifica Kom.

2n = 34, CHN. Russia, Far East, Primorskii Krai, Terneiskii Raion, Sikhote-Alinskii biosphere reserve, near Golubichnoe, sea shore, 15 Sep 2002, *Nesterova 8916* (VLA).

Melandrium album (Mill.) Garcke

2n = 24, CHN. Russia, Far East, Primorskii Krai, Peter the Great Bay, Popova Island, Stark settlement, waste place, 12 Sep 1997, *Probatova & Seledets 7622* (VLA).

Silene foliosa Maxim.

2n = 24, CHN. Russia, Far East, Primorskii Krai, Shkotovskii Raion, near Fokino settlement, Bol'shoi Iossif Mt., 440–500 m alt., 9 May 2007, *Nechaev 10559* (VLA).

CHENOPODIACEAE

Salsola collina Pall.

2n = 18, CHN. Russia, Far East, Primorskii Krai, Nadezhdinskii Raion, Nadezhdinskaya railway station, roadside, 3 Nov 2007, *Nechaev 10816* (VLA).

CUCURBITACEAE

Actinostemma tenerum Griff.

2n = 16, CHN. Russia, Far East, Primorskii Krai, Nadezhdinskii Raion, the valley of Razdol'naya River, lakeside, 10 Sep 2005, *Nechaev 10197* (VLA).

CYPERACEAE

Carex siderosticta Hance

2n = 24, CHN. Russia, Far East, Primorskii Krai, Khassanskii Raion, southwards of Zarubino, oak forest on the slope, 1 Jun 2008, *Nechaev 10996* (VLA).

Eleocharis ussuriensis Zinserl.

2n = 16, CHN. Russia, Far East, Primorskii Krai, Peter the Great Bay, Putyatina Island, sea shore, in water of a small pond, 5 Aug 1997, *Shatalova 7311* (VLA).

DIPSACACEAE

Scabiosa lachnophylla Kitag.

2n = 18, CHN. Russia, Far East, Primorskii Krai, Ussuriiskii Raion, near Alexee-Nikol'skoe village, 2005, *Pavlova 10063* (VLA).

FABACEAE

Lespedeza bicolor Turcz.

2n = 18, CHN. Russia, Far East, Primorskii Krai, Murav'ev-Amurskii Peninsula, Okeanskii mountain ridge, oak forest, 30 May 2007, *Nechaev 10582* (VLA).

Lespedeza tomentosa (Thunb.) Maxim.

2n = 20, CHN. Russia, Far East, Primorskii Krai, Khassanskii Raion, in vicinity of Lebedinoe village, dry south-eastern slope, 27 May 1998, *Pavlova 7637* (VLA).

Lotus corniculatus L.

2n = 24, CHN. Russia, Far East, Primorskii Krai, Ussuriiskii Raion, Baranovskiy railway station, 2005, *Pavlova 10034* (VLA).

Melilotus albus Medik.

2n = 16, CHN. Russia, Far East, Primorskii Krai, Peter the Great Bay, Elena Island, roadside, 19 Sep 1997, *Probatova & Seledets 8058* (VLA).

Oxytropis kamtschatica Hultén

2n = 16, CHN. Russia, Far East, Kamchatskii Krai, Kamchatka Peninsula, Klyuchevskaya Sopka Volcano, near Mt. "Podkova", eastern slope, 1,000–1,050 m alt., volcanic scoria field, 12 Aug 2005, *Verkholat 10606* (VLA).

Oxytropis ochotensis Bunge

2n = 64, CHN. Russia, Far East, Kamchatskii Krai, Kamchatka Peninsula, Klyuchevskaya Sopka Volcano, near Mt. "Podkova", 1,000–1,080 m alt., on ancient lava stream, 22 Aug 2005, *Verkholat 10601* (VLA).

Oxytropis revoluta Ledeb.

2n = 16, CHN. Russia, Far East, Kamchatskii Krai, Kamchatka Peninsula, central part, Tolbachinskii dale, near Vyssokaya Mt., ca. 550 m alt., on volcanic scoria field, 12 Aug 2005, *Verkholat 10605* (VLA); Russia, Far East, Kamchatskii Krai, Kamchatka Peninsula, Klyuchevskaya Sopka Volcano, near "Podkova" Mt., ca. 1,000 m, ancient lava field near volcanological station, 22 Aug 2005, *Verkholat 10607* (VLA).

Sophora flavescens Sol.

2n = 18, CHN. Russia, Far East, Evreiskaya Avtonomnaya Oblast', Oktyabr'skii Raion, Ekaterino-Nikol'skoe village, by the road to Soyuznoe, oak forest on the slope, 12 May 2006, *Yakubov 10191* (VLA).

Trifolium montanum L.

$2n = 16$, CHN. Russia, Far East, Primorskii Krai, Mikhailovskii Raion, 3 km westwards of Kremovo village, hayfield, 15 Jun 2008, *Lapenko 11034* (VLA).

Trifolium pacificum Bobrov

$2n = 32$, CHN. Russia, Far East, Primorskii Krai, Terneiskii Raion, Sikhote-Alinskii biosphere reserve, Blagodatnoe, near the route Ternei-Vladivostok, on dry rubbly soil, 22 Aug 2005, *Nesterova 9956* (VLA).

Trifolium repens L.

$2n = 32$, CHN. Russia, Far East, Primorskii Krai, Terneiskii Raion, in vicinity of Ternei, left riverside of Serebryanka River, valley lake, 23 Sep 2001, *Nesterova 8633* (VLA); Russia, Far East, Primorskii Krai, Shkotovskii Raion, Tigrovyi railway station, 2 Jun 2001, *Pavlova 8479* (VLA); Russia, Far East, Primorskii Krai, Shkotovskii Raion, in vicinity of Bol'shoi Kamen' settlement, Sukhodol Bay, coastal sands, 21 Jun 2008, *Nechaev 11006* (VLA).

** *Vicia nervata* Sipliv., $2n = 12 + 2B$; Russia, East Siberia, Buryatia, outskirts of Ulan-Ude city, Verkh'n'aya Berezovka village, Pinus forest, 26 Jul 1982, *Nikiforova 9016* (VLA).

Vicia unijuga A. Br.

$2n = 24$, CHN. Russia, Far East, Primorskii Krai, Peter the Great Bay, Elena Island, 19 Sep 1997, *Probatova & Seledets 7416* (VLA).

FUMARIACEAE*Corydalis buschii* Nakai

$2n = 16$, CHN. Russia, Far East, Primorskii Krai, Amurskii Bay, Cape Peschanyi (opposite Vladivostok city), flood-plain forest, 3 Jun 2006, *Pavlova 10202* (VLA).

GROSSULARIACEAE*Ribes triste* Pall.

$2n = 16$, CHN. Russia, Far East, Kamchatskii Krai, Kamchatka Peninsula, Bystrinskii Raion, 7 km southwards of Esso settlement, the valley of Bystraya River, left side, stony slope, on the rocks, 31 Aug 2000, *Yakubov 8683* (VLA).

IRIDACEAE*Iris uniflora* Pall. ex Link

$2n = 32$, CHN. Russia, Far East, Primorskii Krai, Ussuriskii Raion, near Alexee-Nikol'skoe village, 2005, *Pavlova 9805* (VLA).

$2n = 48$, CHN. Russia, Far East, Primorskii Krai, Mikhailovskii Raion, 2 km eastwards of Nekruglovo village, forest edge, 13 May 2008, *Lapenko 10960* (VLA).

Iris vorobievii N.S. Pavlova

$2n = 14$, CHN. Russia, Far East, Primorskii Krai, Khassanskii Raion, in vicinity of Lotos (Doritseni) Lake, *Quercus dentata* forest, 11 May 2008, *Nechaev 11043* (VLA).

JUNCACEAE*Luzula pallidula* Kirschner

$2n = 12$, CHN. Russia, Far East, Amurskaya Oblast', Oktyabr'skii Raion, near Varvarovka village, Erkovetskii coal mining, 2004, *Shatokhina 9760* (VLA).

LAMIACEAE*Clinopodium chinense* (Benth.) O. Kuntze

$2n = 20$, CHN. Russia, Far East, Primorskii Krai, Peter the Great Bay, Elena Island, forest edge, 19 Sep 1997, *Probatova & Seledets 7413* (VLA).

Dracocephalum charkeviczii Prob.

$2n = 14$, CHN. Russia, Far East, Primorskii Krai, Terneiskii Raion, Sikhote-Alinskii biosphere reserve, Blagodatnoe Bay, marine terrace, 3 Jul 2006, *Nesterova 10339* (VLA).

Elsholtzia ciliata (Thunb.) Hyl.

$2n = 16$, CHN. Russia, Far East, Amurskaya Oblast', 40 km northwards of Blagoveshchensk, the nature protected area Mukhinka, the tourist centre „Mukhinskaya“, lakeside, 29 Sep 2007, *Probatova & Seledets 11012* (VLA); Primorskii Krai, Peter the Great Bay, Russkii Island, 3 km south-eastwards of Glavnaya Mt., valley forest, near the road, 17 Oct 1998, *Probatova & Seledets 7748* (VLA).

Lycopus uniflorus Michx.

$2n = 22$, CHN. Russia, Far East, Primorskii Krai, in vicinity of Volchanets settlement, sandy beach of Vostok Bay, the edge of *Alnus japonica* forest, 11 Sep 2004, *Nechaev 9869* (VLA).

Scutellaria ussuriensis (Regel) Kudo

** $2n = 16$, CHN. Russia, Far East, Primorskii Krai, Nadezhinskii Raion, 3 km north-westwards of Yasnoe settlement, Solovey-Klyuch, post-forest vegetation, 1 Jul 2007, *Barkalov 10624* (VLA).

Thymus przewalskii (Kom.) Nakai

** $2n = 26$, CHN. Russia, Far East, Primorskii Krai, Khankaiskii Raion, in vicinity of Turii Rog settlement, Khanka Lake, sands of lakeside, 9 Jun 2007, *Nechaev 10610*.

MALVACEAE*Malva mohileviensis* Downar

$2n = 42$, CHN. Russia, Far East, Amurskaya Oblast', 40 km northwards of Blagoveshchensk, the nature protected area Mukhinka, the tourist centre „Mukhinskaya“, as a weed in a flower-bed, 3 Oct 2007, *Probatova & Seledets 10918* (VLA).

Malva pusilla Sm.

$2n = 42$, CHN. Russia, Far East, Primorskii Krai, Mikhailovskii Raion, Novo-Shakhtinsk settlement, roadside, 23 Jul 2007, *Lapenko 10648* (VLA).

OXALIDACEAE*Oxalis acetosella* L.

$2n = 22$, CHN. Russia, Far East, Primorskii Krai, Muravëv-Amurskii Peninsula, Chernaya Rechka River valley, *Abies holophylla* and *Carpinus cordata* forest, 6 May 2008, *Nechaev 10986* (VLA).

PAPAVERACEAE*Chelidonium asiaticum* (Hara) Krahulc.

$2n = 10$, CHN. Russia, East Siberia, Buryatia, Ulan-Ude city, roadside, among shrubs, 10 Sep 2004, *Probatova & Seledets 9410* (VLA); Russia, Far East, Amurskaya Oblast', Arkharinskii Raion, Arkhara town, 2001, *Kapustina 8764* (VLA).

Papaver microcarpum DC.

$2n = 14$, CHN. Russia, Far East, Kamchatskii Krai, Kam-

chatka Peninsula, central part, Tolbachinskii dale, near Vysokaya Mt., ca. 500–550 m alt., on volcanic scoria field, 12 Aug 2005, *Verkholat 10229* (VLA).

PHRYMACEAE

Phryma asiatica (Hara) O. Deg. & I. Deg.

2n = 28, CHN. Russia, Far East, Amurskaya Oblast', Arkharinskii Raion, 50 km south-eastwards of Arkhara railway station, Khinganskoe forestry, coniferous-broadleaved forest, 10 May 2007, *Kapustina 10597* (VLA).

PLANTAGINACEAE

Plantago arenaria Waldst. & Kit.

2n = 12, CHN. Russia, Far East, Primorskii Krai, Mikhailovskii Raion, near Novo-Shakhtinsk settlement, on the railroad, 29 Jul 2007, *Lapenko 11045* (VLA).

Plantago camtschatica Link

2n = 12, CHN. Russia, Far East, Primorskii Krai, Peter the Great Bay, Rikorda Island, sea shore, 2005, *Tolmacheva 10510* (VLA).

POACEAE

Achnatherum confusum (Litv.) Tzvelev

2n = 24, CHN. Russia, Far East, Amurskaya Oblast', Oktyabr'skii Raion, 2 km eastwards of Varvarovka village, birch-wood, 9 Aug 2001, *Denissenko 8729* (VLA).

Agrostis scabra Willd.

2n = 42, CHN. Russia, Far East, Amurskaya Oblast', Seledzhinskii Raion, Ekimchan settlement, 2002, *Yakubov 10099* (VLA); Russia, Far East, Khabarovskii Krai, outskirts of Khabarovsk, near Rovnoe village, waste ground, at the bus station, Jul 1999, *Probatova & Seledets 8095* (VLA).

Agrostis stolonifera L.

2n = 28, CHN. Russia, Far East, Primorskii Krai, Partizanskii Raion, Partizansk, Lozovyi stream, 300 m down from the railway bridge, ash disposal area, 23 Nov 2004, *Vshivkova 9639* (VLA).

Alopecurus pratensis L.

2n = 28, CHN. Russia, Far East, Primorskii Krai, Shkotovskii Raion, near Bol'shoi Kamen' settlement, 13 Jul 2007, *Nechaev 10991* (VLA).

Anisantha tectorum (L.) Nevski

2n = 14, CHN. Russia, Volgogradskaya Oblast', northern outskirts of Volgograd city, horticultural area near GRES settlement, 1 Aug 2006, *Yurtseva 10489* (VLA).

Arctopoa subfastigiata (Trin.) Prob.

2n = 42, CHN. Russia, Far East, Primorskii Krai, northern outskirts of Ussuriisk town, waste place, 30 May 2008, *Lapenko 11023* (VLA).

Bromus popovii Drobow (*B. racemosus* auct.)

*2n = 14, CHN. Russia, Volgogradskaya Oblast', northern outskirts of Volgograd city, horticultural area near GRES settlement, 1 Aug 2006, *Yurtseva 10501*.

Calamagrostis angustifolia Kom.

2n = 28, CHN. Russia, Far East, Primorskii Krai, Mikhailovskii Raion, Grigorievka village, lakeside of a small lake, 21 Jul 1997, *Shatalova 7464* (VLA).

Calamagrostis monticola Petrov ex Kom.

2n = 28, CHN. Russia, Far East, Khabarovskii Krai, Solnechnii Raion, Myao-Chan mountain ridge, forest rocks, 25 Jul 2005, *Van 10905* (VLA).

Digitaria ischaemum (Schreb.) Muehl.

2n = 36, CHN. Russia, Volgogradskaya Oblast', northern outskirts of Volgograd city, horticultural area near GRES settlement, 1 Aug 2006, *Yurtseva 10511* (VLA).

Echinochloa crusgalli (L.) Beauv.

2n = 54, CHN. Russia, Far East, Primorskii Krai, left riverside of Razdol'naya (Suifun) River, near Utiosnoe village, 18 Jun 1998, *s. coll. 7740* (VLA).

Eriochloa villosa (Thunb.) Kunth

2n = 54, CHN. Russia, Far East, Evreiskaya Avtonomnaya Oblast', Leninskoe settlement, roadside, 2005, *Enushchenko 10079* (VLA).

Festuca brevissima Jurtzev

2n = 14, CHN. Russia, Far East, Kamchatskii Krai, Kamchatka Peninsula, Avachinskii Volcano, *Yakubov 7180* (VLA).

Festuca rubra L.

2n = 42, CHN. Russia, Far East, Primorskii Krai, Peter the Great Bay, Popova Island, May 2003, *Pavlova 8991* (VLA).

Koeleria tokiensis Domin

2n = 14, CHN. Russia, Far East, Primorskii Krai, Peter the Great Bay, Askold Island, *Pavlova 7301* (VLA); Russia, Far East, Primorskii Krai, Peter the Great Bay, Rikorda Island, 2005, *Tolmacheva 10469* (VLA).

Leymus mollis (Trin.) Hara

2n = 28, CHN. Russia, Far East, Primorskii Krai, Dal'negorskii Raion, near Rudnaya Pristan', nature monument "Vulkan Brinnera", in the cracks of coastal rocks, 24 Sep 2005, *Seledets 9995* (VLA); Russia, Far East, Primorskii Krai, Peter the Great Bay, Klykova Island, sea shore, 3 Jul 2007, *Seledets 10631* (VLA); Russia, Far East, Primorskii Krai, Khassanskii Raion, Troitsa Bay, near Andreyevka, sea shore, 15 Oct 2004, *Shatokhina 9564* (VLA).

Milium effusum L.

2n = 28, CHN. Russia, Buryatia, Pribaikal'skii Raion, Baikal Lake, near Turka village, mixed forest with *Bergenia* on a steep slope, 11 Sep 2004, *Chepinoga 9713* (VLA); Russia, Far East, Khabarovskii Krai, Bol'shehekhitsirskii nature reserve, Ussuri River, near cordon Chirki, valley forest, Sep 1993, *Probatova & Seledets 7138* (VLA).

Poa annua L.

2n = 28, CHN. Russia, Far East, Khabarovskii Krai, Solnechnii Raion, Myao-Chan mountain ridge, in vicinity of Anut Lake, terrace, on roadside, 25 Jul 2005, *Van 10902* (VLA).

Poa botryoides (Trin. ex Griseb.) Kom.

2n = 28, CHN. Russia, Far East, Magadanskaya Oblast', Srednekanskii Raion, Kolyma River, 10 km downstream of Seimchan settlement, a slope with steppe vegetation, 28 Jul 2005, *Lyssenko 10640* (VLA).

Poa crispa Thuill. (*P. bulbosa* subsp. *vivipara* (Koel.) Arcang.)

2n = 42; Russia, Volgogradskaya Oblast', northern outskirts

of Volgograd city, horticultural area near GRES settlement, 1 Aug 2006, *Yurtseva 10494* (VLA).

Poa palustris L.

2n = 28, CHN. Russia, Far East, Evreiskaya Avtonomnaya Oblast', nature reserve Bastak, ecological pathway, 21 Oct 2005, *Seledets 10058* (VLA).

Poa sabulosa (Roshev.) Roshev.

** 2n = 56, CHN. Russia, East Siberia, Irkutskaya Oblast', lakeside of Baikal Lake, 17 km north-eastwards of Listvyanka, near Bol'shie Koty village, on pebbles of Bol'shaya Kotovka River, 13 Sep 2007, *Probatova & Seledets 10948* (VLA).

Poa sibirica Roshev.

2n = 14, CHN. Russia, Far East, Khabarovskii Krai, Botchinskii nature reserve, 2000, *Shlotgauer 8772* (VLA).

Poa sichotensis Prob.

2n = 56, CHN. Russia, Far East, Primorskii Krai, Peter the Great Bay, Lissii Island (Nakhodka Bay), 11 Sep 2002, *Nechaev 8900* (VLA).

Poa skvortzovii Prob.

2n = 28, CHN. Russia, Far East, Primorskii Krai, Muravëv-Amurskii Peninsula, Okeanskii mountain ridge, oak forest, 30 May 2007, *Nechaev 10570* (VLA).

Poa stepposa (Kryl.) Roshev.

2n = 42, CHN. Russia, Far East, Magadanskaya Oblast', Ten'kinskii Raion, near Transportnyi settlement, Omchak River valley, on drag dumps, 17 Aug 2005, *Lyssenko 10643* (VLA).

Puccinellia distans (Jacq.) Parl.

2n = 42, CHN. Russia, Volgogradskaya Oblast', northern outskirts of Volgograd city, horticultural area near GRES settlement, 1 Aug 2006, *Yurtseva 10505* (VLA).

Puccinellia hauptiana V. I. Krecz.

2n = 28, CHN. Russia, Far East, Magadanskaya Oblast', Ten'kinskii Raion, near Ust'-Omchug settlement, abandoned field, 29 Jul 2007, *Lyssenko 10969* (VLA); Russia, Far East, Magadanskaya Oblast', Srednekanskii Raion, near Verkhni Seimchan village, abandoned field/pasture, 15 Aug 2007, *Lyssenko 10970* (VLA); Russia, Far East, Evreiskaya Avtonomnaya Oblast', Kul'dur health resort, 19 Jun 1997, *Rubtsova 7587* (VLA).

Puccinellia nipponica Ohwi

2n = 28, CHN. Russia, Far East, Primorskii Krai, Shkotovskii Raion, in vicinity of Shkotovo, Ussuriiskii Bay, sea shore, moist maritime meadow, 24 Jun 2006, *Nechaev 10281* (VLA).

Puccinellia phryganodes (Trin.) Scribn. & Merr.

2n = 14, CHN. Russia, Far East, Khabarovskii Krai, the Sea of Okhotsk, Shantarskie Islands, Bol'shoi Shantar Island, sea shore, 2006, *Kriukova 10525* (VLA).

Schedonorus pratensis (Huds.) P. Beauv. (*Festuca pratensis* Huds.)

2n = 14, CHN. Russia, Far East, Primorskii Krai, Vostok Bay, 2006, *Nechaev 10475* (VLA).

Torreyochloa natans (Kom.) Church

2n = 14, CHN. Russia, Far East, Khabarovskii Krai, Poliny

Ossipenko Raion, lower course of Amgun' River, Kherpuchinka River basin, *Larix* forest belt, a swamp with *Potamogeton* and algae, 31 Aug 2002, *Ossipov 8944* (VLA).

Trisetum sibiricum Rupr.

2n = 14, CHN. Russia, Far East, Amurskaya Oblast', Oktyabr'skii Raion, 19 km south-westwards of Varvarovka village, Ierkovetskii coal mining, meadow, 16 Aug 2001, *Denissenko 9165* (VLA).

Trisetum umbratile (Kitag.) Kitag.

2n = 14, CHN. Russia, Far East, Primorskii Krai, Peter the Great Bay, Shkota Island, 1998, *Nedoluzhko 7749* (VLA).

POLEMONIACEAE

Polemonium chinense (Brand) Brand

2n = 18, CHN. Russia, Far East, Primorskii Krai, Khassanskii Raion, nature reserve Kedrovaya Pad', 27 Jul 2007, *Korkishko 10830* (VLA).

POLYGONACEAE

Acetosella aureostigmatica (Kom.) Tzvelev

*2n = 14, CHN. Russia, Far East, Kamchatskii Krai, Kamchatka Peninsula, Sheveluch Volcano, *Yakubov 7781* (VLA).

Persicaria hydropiper (L.) Spach

2n = 20, CHN. Russia, Far East, Primorskii Krai, Peter the Great Bay, Russkii Island, moist place, 24 Sep 1999, *Probatova & Seledets 8128* (VLA).

Persicaria lapathifolia (L.) S.F. Gray

2n = 22, CHN. Russia, Far East, Primorskii Krai, Peter the Great Bay, Popova Island, roadside in the village, 12 Sep 1997, *Probatova & Seledets 7617* (VLA).

Rumex maritimus L.

2n = 40, CHN. Russia, Far East, Evreiskaya Avtonomnaya Oblast', Obluchye settlement, 1996, *s. coll. 7296* (VLA); Russia, Far East, Khabarovskii Krai, outskirts of Khabarovsk, Krivoe Lake, 2005, *Enushchenko 10067* (VLA).

PORTULACACEAE

Portulaca oleracea L.

2n = 18, CHN. Russia, Far East, Amurskaya Oblast', Blagoveschensk city, 5 Oct 2007, *Probatova & Seledets 10907* (VLA).

POTAMOGETONACEAE

Potamogeton perfoliatus L.

2n = ca. 26, CHN. Russia, Far East, Primorskii Krai, Peter the Great Bay, Putyatina Island, near the village, in running water, 4 Aug 1997, *Shatalova 7308* (VLA).

PRIMULACEAE

Androsace septentrionalis L.

2n = 20, CHN. Russia, East Siberia, Irkutskaya Oblast', lakeside of Baikal Lake, 17 km north-eastwards of Listvyanka, near Bol'shie Koty village, a slope near the Biological station, *Pinus* and *Larix* forest, 13 Sep 2007, *Probatova & Seledets 10767* (VLA).

Primula fistulosa Turkev.

2n = 18, CHN. Russia, Far East, Primorskii Krai, Khassanskii Raion, near Gvozdevo settlement, meadow, 10 May 2008, *Nechaev 11038* (VLA).

Primula patens (Turcz.) E. Busch

2n = 24, CHN. Russia, Far East, Primorskii Krai, Mikhailovskii Raion, near Novo-Shakhtinsk settlement, on the railway embankment, 13 May 2008, *Lapenko 10956* (VLA); Russia, Far East, Primorskii Krai, Khassanskii Raion, near Lebedinoe, 1998, *Pavlova 7651* (VLA).

RANUNCULACEAE

Anemonoides udensis (Trautv. & C.A. Mey.) Holub

2n = 48, CHN. Russia, Far East, Primorskii Krai, Mikhailovskii Raion, 2 km eastwards of Nekruglovo village, broadleaved forest, 13 May 2008, *Lapenko 10966* (VLA).

Halerpestes sarmentosa (Adams) Kom.

2n = 16, CHN. Russia, Far East, Primorskii Krai, Shkotovskii Raion, near Shkotovo, Ussuriiskii Bay, lagoon, in water, 6 Jun 2007, *Nechaev 10592* (VLA).

Hepatica asiatica Nakai

2n = 14, CHN. Russia, Far East, Primorskii Krai, Khassanskii Raion, southwards of Zarubino, oak forest on the slope, 1 Jun 2008, *Nechaev 10995* (VLA).

Ranunculus chinensis Bunge

2n = 16, CHN. Russia, Far East, Primorskii Krai, Mikhailovskii Raion, 2.5 km westwards of Novo-Shakhtinsk, at the country road, 15 Jun 2008, *Lapenko 11035* (VLA).

Ranunculus japonicus Thunb.

2n = 14, CHN. Russia, Far East, Primorskii Krai, Shkotovskii Raion, Tigrovyi railway station, 2 Jun 2001, *Pavlova 8481* (VLA).

RHAMNACEAE

Rhamnus davurica Pall.

2n = 24, CHN. Russia, East Siberia, Transbaikalia, Chitinskaya Oblast', Krasnochikovskii Raion, in vicinity of Ust'-Uruluk village, right riverside of Chikoi River, the bottom of a slope with steppe vegetation and shrubs, 4 Aug 2005, *Popova 10213* (VLA).

ROSACEAE

Aruncus dioicus (Walter) Fernald

2n = 18, CHN. Russia, Far East, Primorskii Krai, Khassanskii Raion, nature reserve Kedrovaya Pad', 28 Sep 2007, *Korkishko 10924* (VLA).

Dryas punctata Juz.

2n = 18, CHN. Russia, Far East, Kamchatskii Krai, Kamchatka Peninsula, Ust'-Kamchatskii Raion, Tolbachik Volcano, mountain tundra, 30 Jul 2003, *Yakubov 9696* (VLA).

Filipendula palmata (Pall.) Maxim.

2n = 28, CHN. Russia, Far East, Primorskii Krai, Khassanskii Raion, nature reserve Kedrovaya Pad', the valley of Kedrovaya River, mixed forest, 6 Oct 2001, *Kapustina 8675* (VLA).

Sanguisorba officinalis L.

2n = 28, CHN. Russia, East Siberia, Buryatia, Pribaikal'skii Raion, Baikal Lake, near Turka village, 161 km of the route from Ulan-Ude, on dunes, 11 Sep 2004, *Chepinoga 9703* (VLA); Russia, Far East, Amurskaya Oblast', Arharinskii Raion, 3 km northwards of Arkhara, wet meadow, 15 Aug 2001, *Kapustina 8572* (VLA); Russia, Far East, Primorskii Krai, Khassanskii Raion, near Leb-

edinoe, 1998, *Pavlova 7811* (VLA); Russia, Far East, Primorskii Krai, Peter the Great Bay, Reineke Island, plateau in the central part of the island, post-forest meadow, 2 Oct 2001, *Probatova & Seledets 8638* (VLA).

RUBIACEAE

Galium boreale L.

2n = 44, CHN. Russia, Far East, Primorskii Krai, Muravëv-Amurskii Peninsula, uptown of Vladivostok, a slope near Karier-naya street, 21 Jun 2007, *Kapustina 10614* (VLA).

SCROPHULARIACEAE

Lindernia procumbens (Krock.) Philcox

**2n = 24, CHN. Russia, Far East, Primorskii Krai, Khassanskii Raion, nature reserve Kedrovaya Pad', 28 Sep 2007, *Korkishko 10922* (VLA).

Pedicularis verticillata L.

2n = 16, CHN. Russia, Far East, Kamchatskii Krai, Kamchatka Peninsula, Klyuchevskaya Sopka Volcano, near "Podkova" Mt., ca. 1080 m, ancient lava stream, near volcanological station, meadow, 22 Aug 2005, *Verkholat 10227* (VLA).

Pennellianthus frutescens (Lamb.) Crosswh.

2n = 40, CHN. Russia, Far East, Kamchatskii Krai, Kamchatka Peninsula, Avachinskaya Sopka Volcano, on slaggy deposits, 19 Sep 2004, *Yakubov 10090* (VLA).

Rhinanthus vernalis (N.W. Zinger) Schischk. & Serg. (*Rh. angustifolius* s.l.)

2n = 14+0–22B, CHN. Russia, Far East, Magadanskaya Oblast', Magadanskii Raion, near Sokol settlement, a meadow on roadside, 4 Sep 2007, *Lyssenko 10971* (VLA).

Scrophularia maximowiczii Gorschk.

**2n = 40, CHN. Russia, Far East, Primorskii Krai, Khassanskii Raion, nature reserve Kedrovaya Pad', 7 Oct 2007, *Korkishko 10925* (VLA).

Veronica daurica Steven

2n = 32, CHN. Russia, Far East, Primorskii Krai, Peter the Great Bay, Popova Island, on the slope of marine terrace, 12 Sep 1997, *Probatova & Seledets 7400* (VLA).

2n = 34, CHN. Russia, Far East, Primorskii Krai, Peter the Great Bay, Klykova Island, 3 Jul 2007, *Seledets 10633* (VLA).

SOLANACEAE

Hyoscyamus niger L.

2n = 34, CHN. Russia, Far East, Primorskii Krai, Peter the Great Bay, Lissii Island (Nakhodka Bay), 11 Sep 2002, *Nechaev 10504* (VLA).

Physalis franchetii Mast.

2n = 24, CHN. Russia, Far East, Primorskii Krai, Peter the Great Bay, the Far Eastern marine biosphere reserve, Bol'shoi Pelis Island, on the spit, in *Artemisia umbrosa* community, 28 Oct 2006, *Chubarj 10527* (VLA).

Solanum kitagawae Schönbeck-Tem.

2n = 24, CHN. Russia, Far East, Primorskii Krai, Khankaiskii nature reserve, cordon "Zhuravliny", 31 Aug 1992, *Barkalov 7038* (VLA).

URTICACEAE*Girardinia septentrionalis* Grudz.

$2n = 20$, CHN. Russia, Far East, Primorskii Krai, Nadezhdinskii Raion, the upper course of the Bol'shaya Anan'evka River, Borissovskoe Plateau, stony scree, in the oak forest, 5 Oct 2005, *Nechaev 10066* (VLA).

VACCINIACEAE*Vaccinium vulcanorum* Kom.

* $2n = 24$, CHN. Russia, Far East, Kamchatskii Krai, Kamchatka Peninsula, Klyuchevskaya Sopka Volcano, near "Podkova" Mt., ca. 1,080 m alt., east slope, ancient lava stream, ericaceous tundra, 22 Aug 2005, *Verkholat 10225* (VLA).

VIOLACEAE*Viola acuminata* Ledeb.

$2n = 20$, CHN. Russia, Far East, Primorskii Krai, Murav'ev-Amurskii Peninsula, in vicinity of Sadgorod health resort, forest edge, 26 Sep 2000, *Probatova 8366* (VLA).

Viola hirtipes S. Moore

$2n = 24$, CHN. Russia, Far East, Primorskii Krai, Khassanskii Raion, Possiet Bay, near the railway station Gvozdevo, oak forest, 10 May 2008, *Nechaev 11041* (VLA).

VITACEAE*Vitis amurensis* Rupr.

$2n = 38$, CHN. Russia, Far East, Primorskii Krai, Peter the Great Bay, Russkii Island, Boyarin Bay, forest margin, 24 Sep 1999, *Denissov 7997* (VLA).

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ACERACEAE*Acer mono* Maxim.

$2n = 26$, CHN. Russia, Far East, Primorskii Krai, Peter the Great Bay, Russkii Island, in vicinity of Podnozhye, 500 m to Shigino, cutting in the forest, near the rivulet, 28 May 2007, *Rudyka 10578* (VLA).

ACORACEAE*Acorus calamus* L.

$2n = 36$, CHN. Russia, Far East, Amurskaya Oblast', Arkharinskii Raion, Khinganskii nature reserve, Antonovskoe forestry, the reach of Borya River, in water, 4 Oct 2006, *Kudrin 10704* (VLA).

ALLIACEAE*Allium spirale* Willd. ex Schldt.

$2n = 32$, CHN. Russia, Far East, Primorskii Krai, Peter the Great Bay, Malii Island, sea shore, 3 Jul 2007, *Seledets 10620* (VLA); Russia, Far East, Primorskii Krai, Peter the Great Bay, Klykova Island, sea shore, 3 Jul 2007, *Seledets 10629* (VLA).

APIACEAE*Heraclium dissectum* Ledeb.

$2n = 22$, CHN. Russia, Far East, Primorskii Krai, Peter the Great Bay, Klykova Island, at the bottom of marine terrace, 3 Jul 2007, *Seledets 10646* (VLA).

ASCLEPIADACEAE*Vincetoxicum acuminatum* Decne.

$2n = 22$, CHN. Russia, Far East, Primorskii Krai, Khassanskii Raion, nature reserve Kedrovaya Pad', 3 Oct 2007, *Korkishko 10827* (VLA).

ASTERACEAE*Adenocaulon adhaerescens* Maxim.

$2n = 46$, CHN. Russia, Far East, Amurskaya Oblast', Arkharinskii Raion, 50 km south-eastwards of Arkhara railway station, Khinganskoe forestry, coniferous-broadleaved forest, 10 May 2007, 2007, *Kapustina 10602* (VLA).

Artemisia stelleriana Besser

$2n = 18$, CHN. Russia, Far East, Primorskii Krai, Khassanskii Raion, nature reserve Kedrovaya Pad', 3 Oct 2007, *Korkishko 10832* (VLA).

Atractylodes ovata (Thunb.) DC.

$2n = 24$, CHN; Russia, Far East, Amurskaya Oblast', Mikhailovskii Raion, 17 km north-eastwards of Mikhailovka, Zavitaya River, *Quercus* and *Pinus* forest, 16 Aug 2006, *Verkholat 10405* (VLA).

Brachyactis angusta (Lindl.) Britton

$2n = 14$, CHN; Russia, Far East, Khabarovskii Krai, railway station Khabarovsk-I, on the railroad, 6 Oct 2007, *Probatova & Seledets 10792*.

Carduus crispus L.

$2n = 16$, CHN. Russia, Far East, Primorskii Krai, Peter the Great Bay, Klykova Island, sea shore, 3 Jul 2007, *Seledets 10887* (VLA).

Chrysanthemum zawadskii Herbiech (*Dendranthema zawadskii* (Herbiech) Tzevelev)

$2n = 72$, CHN. Russia, Far East, Amurskaya Oblast', 40 km northwards of Blagoveshchensk, the nature protected area Mukhinka, *Pinus* and *Quercus* forest on the slope, 30 Sep 2007, *Probatova & Seledets 10736* (VLA).

Erigeron oharae (Nakai) Botsch.

$2n = 18$, CHN. Russia, Far East, Primorskii Krai, Peter the Great Bay, Malii Island, coastal rocks, 3 Jul 2007, *Seledets 10627* (VLA).

Galinsoga parviflora Cav.

$2n = 16$, CHN. Russia, Far East, Amurskaya Oblast', 40 km northwards of Blagoveshchensk, the nature protected area Mukhinka, near the tourist centre "Mukhinskaya", forest edge, 30 Sep 2007, *Probatova & Seledets 10878*.

Hieracium umbellatum L.

$2n = 27$, CHN. Russia, Irkutskaya Oblast', Irkutskii Raion, Baikal Lake, 17 km north-eastwards of Listvyanka, near Bol'shiye Koty village, the bottom of a slope, forest edge, 13 Sep 2007, *Probatova & Seledets 10733* (VLA); Russia, Far East, Amurskaya Oblast', 40 km northwards of Blagoveshchensk, the nature protective area Mukhinka, near the tourist centre "Mukhinskaya", forest edge, 30 Sep 2007, *Probatova & Seledets 10701* (VLA).

Leucanthemum vulgare Lam.

$2n = 18$, CHN. Russia, Far East, Primorskii Krai, Terneiskii Raion, Ternei settlement, as a weed in a vegetable garden, 22 Sep 2005, *Nesterova 10123* (VLA).

Saussurea oxyodonta Hultén

$2n = 26$, CHN. Russia, Far East, Kamchatskii Krai, Kamchatka Peninsula, Bystrinskii Raion, 11 km southwards of Esso settlement, Gargachan Pass, south slope, *Larix* and *Betula* forest belt, in meadow-tundra vegetation, 31 Aug 2000, *Yakubov 8447* (VLA).

Tripleurospermum inodorum (L.) Sch.Bip.

$2n = 18$, CHN. Russia, Far East, Amurskaya Oblast', Blagoveshchensk city, as a weed on the flower-bed, near the building, *Probatova & Seledets 10723* (VLA).

BETULACEAE*Duschekia fruticosa* (Rupr.) Pouzar

$2n = 28$, CHN. Russia, East Siberia, Irkutskaya Oblast', lake-side of Baikal Lake, 17 km north-eastwards of Listvyanka, near Bol'shiye Koty village, Bol'shaya Kotovka River, on pebbles, 12 Sep 2007, *Probatova & Seledets 10806* (VLA).

BRASSICACEAE*Cardamine leucantha* (Tausch) O. E. Schulz

$2n = 16$, CHN. Russia, Far East, Primorskii Krai, Peter the Great Bay, Russkii Island, watershed of Voevoda and Boyarin Bays, forest margin, 24 Sep 1999, *Probatova & Seledets 7962* (VLA).

Erysimum cheiranthoides L.

$2n = 16$, CHN. Russia, Far East, Primorskii Krai, Muravëv-Amurskii Peninsula, outskirts of Vladivostok, Akademgorodok, roadside, waste ground, 7 Nov 2007, *Probatova & Seledets 10778* (VLA).

CARYOPHYLLACEAE*Dianthus amurensis* Jacques

$2n = 30$, CHN. Russia, Far East, Primorskii Krai, Peter the Great Bay, Malii Island, on the rocks, 3 Jul 2007, *Seledets 10883* (VLA).

Moehringia lateriflora (L.) Fenzl

$2n = 48$, CHN. Russia, Far East, Amurskaya Oblast', Arkharinskii Raion, 50 km south-eastwards of the railway station Arkhara, Khinganskoe forestry, coniferous-broadleaved forest, 10 May 2007, *Kapustina 10709* (VLA).

CHENOPODIACEAE*Chenopodium ficifolium* Sm.

$2n = 18$, CHN. Russia, Far East, Khabarovskii Krai, Nanaiskii Raion, Slavyanka village, sandy bank of the Amur River, 20 Jul 2007, *Barkalov 10886* (VLA).

CONVALLARIACEAE*Polygonatum humile* Fisch. ex Maxim.

$2n = 20$, CHN. Russia, Far East, Primorskii Krai, Oktyabr'skii Raion, near Alexeye-Nikol'skoe village, May 2006, *Pavlova 10150* (VLA).

Polygonatum odoratum (Mill.) Druce

$2n = 20$, CHN. Russia, Far East, Primorskii Krai, Peter the Great Bay, Klykova Island, at the bottom of marine terrace, 3 Jul 2007, *Seledets 10623* (VLA).

CRASSULACEAE*Orostachys spinosa* (L.) C. A. Mey.

$2n = 24$, CHN. Russia, East Siberia, Irkutskaya Oblast', lakeside of Baikal Lake, 30 km of Bol'shaya Goloustnaya village, Peschanaya Bay, on the rocks, 13 Sep 2007, *Mokhova 10872* (VLA).

CYPERACEAE*Carex siderosticta* Hance

$2n = 24$, CHN. Russia, Far East, Primorskii Krai, Peter the Great Bay, Russkii Island, watershed of Voevoda and Boyarin Bays, forest margin, 24 Sep 1999, *Probatova & Seledets 7969* (VLA).

EUPHORBIACEAE*Euphorbia savaryi* Kiss

$2n = 20$, CHN. Russia, Far East, Primorskii Krai, Muravëv-Amurskii Peninsula, in the broadleaved forest, near Akademgorodok, 17 May 2006, *Nechaev 10141* (VLA).

FABACEAE*Lathyrus japonicus* Willd.

$2n = 14$, CHN. Russia, Far East, Primorskii Krai, Peter the Great Bay, Malii Island, sea shore, spray zone, 3 Jul 2007, *Seledets 10656* (VLA); Russia, Far East, Primorskii Krai, Peter the Great Bay, Klykova Island, sea shore, spray zone, 3 Jul 2007, *Seledets 10668* (VLA).

Oxytropis campestris (L.) DC.

$2n = 48$, CHN. Italy, L'Aquila, sentiero per Monte Aquila, 2,350 m, 29 Sep 2000, *s. coll. 10799* (VLA).

Oxytropis erecta Kom.

$2n = 48$, CHN. Russia, Far East, Kamchatskii Krai, Kamchatka Peninsula, environs of Petropavlovsk-Kamchatskii, right riverside of Khalaktyrka River, near the mouth, *Empetrum* community, 5 Sep 2000, *Yakubov 10795* (VLA); Russia, Far East, Kamchatskii Krai, Kamchatka Peninsula, Avachinskaya Sopka Volcano, dry meadow at the foot of mountain, 19 Aug 1997, *Yakubov 10801* (VLA).

Oxytropis exserta Jurtzev

$2n = 16$, CHN. Russia, Far East, Kamchatskii Krai, Kamchatka Peninsula, Mutnovskii Volcano, subalpine zone, near geothermal station, stony slope, 2 Sep 2000, *Yakubov 10797* (VLA).

Trifolium pratense L.

$2n = 14$, CHN. Russia, Far East, Primorskii Krai, Terneiskii Raion, outskirts of Ternei settlement, roadside, 22 Sep 2005, *Nesterova 10018* (VLA).

Trifolium repens L.

$2n = 32$, CHN. Russia, Far East, Primorskii Krai, Mikhailovskii Raion, Novo-Shakhtinsk settlement, roadside, 24 Jul 2007, *Lapenko 10716* (VLA).

IRIDACEAE*Iris setosa* Pall. ex Link

2n = 38, CHN. Russia, Far East, Primorskii Krai, Lazovskii Raion, near Glazkovka village, 2006, *Verkholat 10313* (VLA).

Iris uniflora Pall. ex Link

2n = ca. 46, CHN. Russia, Far East, Amurskaya Oblast', 40 km northwards of Blagoveshchensk, the nature protected area Mukhinka, *Pinus* and *Quercus* forest, on the slope, 30 Sep 2007, *Probatova & Seledets 10699* (VLA).

LAMIACEAE*Lycopus lucidus* Turcz. ex Benth.

2n = 22, CHN. Russia, Far East, Amurskaya Oblast', Arkharinskii Raion, 30 km westwards of Arkhara settlement, Khinganskii nature reserve, in vicinity of Kleshinskoe Lake, Antonovskoe forestry, Krugloe Lake, swampy meadow, 16 Sep 2004, *Probatova & Seledets 9481* (VLA).

Lycopus uniflorus Michx.

2n = 22, CHN. Russia, Far East, Primorskii Krai, Muravëv-Amurskii Peninsula, Ussuriiskii Bay, nature monument "Lake Cherepashye", lakeside, moist place, 21 Oct 2004, *Probatova & Seledets 9589 (10089)* (VLA).

Mentha canadensis L.

2n = 36, CHN. Russia, Far East, Primorskii Krai, Muravëv-Amurskii Peninsula, Ussuriiskii Bay, outskirts of Murav'inaya (Tavaiza) Bay, near the nature monument "Chernopikhtarnik", the flood-plain of Murav'inii Stream, 21 Oct 2004, *Probatova & Seledets 9584* (VLA).

LOBELIACEAE*Lobelia sessilifolia* Lamb.

2n = 28, CHN. Russia, Far East, Amurskaya Oblast', Arkharinskii Raion, Khinganskii nature reserve, Antonovskoe forestry, the reach of Borya River, 4 Oct 2006, *Kudrin 10715* (VLA).

LYTHRACEAE*Lythrum salicaria* L.

2n = 30, CHN. Russia, Far East, Primorskii Krai, Mikhailovskii Raion, northwards of Novo-Shakhtinsk settlement, marsh land, *Lapenko 10657* (VLA).

PAPAVERACEAE*Chelidonium asiaticum* (Hara) Krahluc.

2n = 10, CHN. Russia, East Siberia, Irkutskaya Oblast', Irkutskii Raion, Baikal Lake, 17 km north-eastwards of Listvyanka, near Bol'shiye Koty village, Bol'shaya Kotovka River, on pebbles, 12 Sep 2007, *Probatova & Seledets 10681* (VLA); Russia, Far East, Primorskii Krai, Muravëv-Amurskii Peninsula, outskirts of Murav'inaya (Tavaiza) Bay, near the nature monument "Chernopikhtarnik", the flood-plain of Murav'inii Stream, 21 Oct 2004, *Probatova & Seledets 9583* (VLA).

PENTHORACEAE*Penthorum chinense* Pursh

2n = 16, CHN. Russia, Far East, Primorskii Krai, Mikhailovskii Raion, near Novo-Shakhtinsk settlement, marsh land, 22 Jul 2007, *Lapenko 10661* (VLA).

PLANTAGINACEAE*Plantago major* L.

2n = 12, CHN. Russia, Far East, Khabarovskii Krai,

Komsomol'skii Raion, near former Machtovyi village, Machtovaya River (the system of Amur River), country road, 6 Aug 2005, *Barkalov 10082* (VLA).

POACEAE*Agrostis scabra* Willd.

2n = 42, CHN. Russia, Far East, Primorskii Krai, Muravëv-Amurskii Peninsula, Ussuriiskii Bay, in vicinity of Lazurnaya Bay, stony slope, roadside, 21 Oct 2004, *Probatova & Seledets 9550* (VLA).

Agrostis trinii Turcz.

2n = 28, CHN. Russia, Far East, Primorskii Krai, Terneiskii Raion, outskirts of Ternei settlement, roadside, 22 Sep 2005, *Nesterova 10017* (VLA).

Arctopoa eminens (J. S. Presl) Prob.

2n = 42, CHN. Russia, Far East, Khabarovskii Krai, Ul'chskii Raion, De-Kastri, Chikhacheva Bay, along the sea shore in Severnaya Bay, 15 Aug 2005, *Tolmacheva 9945* (VLA).

Arctopoa schischkinii (Tzvel.) Prob.

2n = 70, CHN. Russia, West Siberia, Gorny Altai, Chuiskaya steppe, in vicinity of the former Aktal village, near Yustyt River, 1,836 m alt., 28 Aug 2006, *Rodionov & al., 10642/1-10642/23* (VLA).

Arctopoa subfastigiata (Trin.) Prob.

2n = 42, CHN. Russia, Far East, Khabarovskii Krai, outskirts of Khabarovsk city, microdistrict Severnii, waste ground, 20 Jul 1999, *Probatova & Seledets 7918* (VLA).

Arundinella hirta (Thunb.) Tanaka

2n = 34, CHN. Russia, Far East, Primorskii Krai, Khassanskii Raion, near Slavyanka settlement, Khaldoi Bay, sea shore, *Burundukova 9517* (VLA).

Beckmannia syzigachne (Steud.) Fernald

2n = 14, CHN. Russia, Far East, Amurskaya Oblast', 40 km northwards of Blagoveshchensk, the nature protected area Mukhinka, lakeside near the tourist centre "Mukhinskaya", 30 Sep 2007, *Probatova & Seledets 10697* (VLA).

Calamagrostis angustifolia Kom.

2n = 28, CHN. Russia, Far East, Amurskaya Oblast', northwards of Blagoveshchensk, 2 km from the nature protected area Mukhinka, riverside of Zeya River, 30 Sep 2007, *Probatova & Seledets 10817* (VLA); Russia, Far East, Amurskaya Oblast', Arkharinskii Raion, 30 km westwards of Arkhara settlement, Khinganskii nature reserve, in vicinity of Kleshinskoe Lake, Antonovskoe forestry, Krugloe Lake, swampy meadow, 16 Sep 2004, *Probatova & Seledets 9483* (VLA).

Calamagrostis brachytricha Steud.

2n = 42, CHN. Russia, Far East, Amurskaya Oblast', Arkharinskii Raion, 30 km westwards of Arkhara town, Khinganskii nature reserve, in vicinity of Kleshinskoe Lake, Antonovskoe forestry, near Krugloe Lake, *Salix* forest, 16 Sep 2004, *Probatova & Seledets 9458* (VLA).

Calamagrostis extremiorientalis (Tzvelev) Prob.

2n = 28, CHN. Russia, Far East, Primorskii Krai, Muravëv-Amurskii Peninsula, Ussuriiskii Bay, in vicinity of Lazurnaya Bay, on the slope with shrubs, 21 Oct 2004, *Probatova & Seledets 9578* (VLA).

Elymus sibiricus L.

$2n = 28$, CHN. Russia, Far East, Amurskaya Oblast', railway station Erofei Pavlovich, a lawn near the station, 17 Jun 2007, *Tsyrenova 10617* (VLA).

Elytrigia repens (L.) Nevski

$2n = 42$, CHN. Russia, East Siberia, Transbaikalia, Chitinskaya Oblast', railway station Amazar, along the railroad, 17 Jun 2007, *Tsyrenova 10611* (VLA).

Festuca ovina L.

$2n = 14$, CHN. Russia, East Siberia, Irkutskaya Oblast', Irkutskii Raion, Baikal Lake, 17 km north-eastwards of Listvyanka, near Bol'shiye Koty village, *Pinus* and *Larix* forest on the slope, 13 Sep 2007, *Probatova & Seledets 10731* (VLA).

Festuca rubra L.

$2n = 42$, CHN. Russia, East Siberia, Irkutskaya Oblast', Irkutskii Raion, Baikal Lake, 17 km north-eastwards of Listvyanka, near Bol'shiye Koty village, meadow at the bottom of a slope, 15 Sep 2007, *Probatova & Seledets 10684* (VLA); Russia, Far East, Primorskii Krai, Peter the Great Bay, Malii Island, coastal rocks, 3 Jul 2007, *Seledets 10712* (VLA); Russia, Far East, Primorskii Krai, Peter the Great Bay, Klykova Island, coastal rocks, 3 Jul 2007, *Seledets 10759* (VLA).

Koeleria tokiensis Domin

$2n = 14$, CHN. Russia, Far East, Primorskii Krai, Peter the Great Bay, Malii Island, coastal rocks, 3 Jul 2007, *Seledets 10717* (VLA); Russia, Far East, Primorskii Krai, outskirts of Livadiya settlement, Cape De-Livrona, coastal rocks, 12 Jun 2005, *Enushchenko 9795* (VLA).

Leymus mollis (Trin.) Pilg.

$2n = 28$, CHN. Russia, Far East, Primorskii Krai, Peter the Great Bay, Russkii Island, Rynda Bay, sea shore, 7 Oct 2004, *Seledets 9566* (VLA); Russia, Far East, Primorskii Krai, Peter the Great Bay, Lissii Island (opposite Nakhodka), along the sea shore, 10 Jun 2006, *Nechaev 10232* (VLA); Russia, Far East, Primorskii Krai, Terneiskii Raion, in vicinity of Ternei settlement, left riverside of Serebryanka River, sea shore, on dunes, 8 Aug 2005, *Nesterova 9959* (VLA).

Phragmites australis (Cav.) Trin. ex Steud.

$2n = 48$, CHN. Russia, Far East, Primorskii Krai, Peter the Great Bay, Russkii Island, Rynda Bay, sea shore, on the marsh, 7 Oct 2004, *Seledets 9570* (VLA).

Poa angustifolia L.

$2n = 56$, CHN. Russia, Far East, Primorskii Krai, Khankaiskii Raion, near Turii Rog settlement, Khanka Lake, forest-steppe community, 9 Jun 2007, *Nechaev 10891* (VLA).

Poa annua L.

$2n = 28$, CHN. Russia, Far East, Amurskaya Oblast', Blagoveshchensk city, palaeontological nature monument "Dinosaurius' burial place", 3 Oct 2007, *Probatova & Seledets 10707* (VLA).

Poa botryoides (Trin. ex Griseb.) Kom.

$2n = 28$, CHN. Russia, Far East, Primorskii Krai, Khankaiskii Raion, Khanka Lake, in vicinity of Turii Rog, 9 Jun 2007, *Nechaev 10819* (VLA).

$2n = 42$, CHN. Russia, Far East, Primorskii Krai, Khankaiskii Raion, near Turii Rog settlement, forest-steppe community, 9 Jun 2007, *Nechaev 10632* (VLA).

Poa palustris L.

$2n = 28$, CHN. Russia, Far East, Magadanskaya Oblast', Srednekanskii Raion, near Kolymskoe village, pasture, 31 Jul 2005, *Lyssenko 10654* (VLA).

Poa pratensis L.

$2n = 56$, CHN. Russia, East Siberia, Transbaikalia, Chitinskaya Oblast', railway station Amazar, along the railroad, 17 Jun 2007, *Tsyrenova 10818* (VLA).

Poa sibirica Roshev.

$2n = 14$, CHN. Russia, East Siberia, Irkutskaya Oblast', lake-side of Baikal Lake, 17 km north-eastwards of Listvyanka, near Bol'shiye Koty village, *Pinus* and *Larix* forest on the slope, 13 Sep 2007, *Probatova & Seledets 10728* (VLA).

Poa skvortzovii Prob.

$2n = 28$, CHN. Russia, Far East, Khabarovskii Krai, Ul'chskii Raion, lower course of Yai River, riverside, on the rocks, 1 Aug 2005, *Barkalov 10084* (VLA).

Poa tanfiljewii Roshev.

$2n = 28$, CHN. Russia, East Siberia, Irkutskaya Oblast', lake-side of Baikal Lake, 17 km north-eastwards of Listvyanka, near Bol'shiye Koty village, Bol'shaya Kotovka River, on pebbles, 12 Sep 2007, *Probatova & Seledets 10732* (VLA).

Puccinellia hauptiana V. I. Krecz.

$2n = 28$, CHN. Russia, East Siberia, Irkutskaya Oblast', Irkutsk city, Angara River embankment, near the monument of Alexander III, ruderal plant, 18 Sep 2007, *Probatova & Seledets 10674* (VLA).

Schizachne callosa (Turcz. ex Griseb.) Ohwi

$2n = 20$, CHN. Russia, Far East, Primorskii Krai, Nadezhdinskii Raion, near Razdol'noe settlement, stony slope, oak forest, on the rocks, 3 Jun 2006, *Nechaev 10194* (VLA).

POLYGONACEAE*Aconogonon ochreatum* (L.) Hara

$2n = 20$, CHN. Russia, Far East, Magadanskaya Oblast', Yagodninskii Raion, near Orotukan settlement, 30 Jul 1984, *Barkalov 7053* (VLA).

ROSACEAE*Fragaria orientalis* Losinsk.

$2n = 28$, CHN. Russia, Far East, Primorskii Krai, Shkotovskii Raion, near Fokino, Bol'shoi Iossif Mt., 440–500 m alt., 9 May 2007, *Nechaev 10554* (10673) (VLA); Russia, Far East, Primorskii Krai, Muravëv-Amurskii Peninsula, uptown of Vladivostok, a slope near Kariernaya Street, 21 Jun 2007, *Kapustina 10722* (VLA).

Geum aleppicum Jacq.

$2n = 42$, CHN. Russia, Far East, Primorskii Krai, Mikhailovskii Raion, Novo-Shakhtinsk, 23 Jul 2007, *Lapenko 10710* (VLA).

Potentilla centigrana Maxim.

$2n = 14$, CHN. Russia, Far East, Primorskii Krai, Muravëv-Amurskii Peninsula, outskirts of Murav'inaya (Tavaiza) Bay, near the nature monument "Chernopikhtarnik", the flood-plain

of Murav'ini Stream, 21 Oct 2004, *Probatova & Seledets 9603* (VLA).

Potentilla flagellaris Willd. ex Schtdl.

$2n = 14$, CHN. Russia, Far East, Primorskii Krai, Nadezhdinskii Raion, in vicinity of Razdol'noe settlement, stony slope, oak forest, 3 Jun 2006, *Nechaev 10196* (VLA).

Potentilla fragarioides L.

$2n = 14$, CHN. Russia, Far East, Primorskii Krai, Terneiskii Raion, Sikhote-Alinskii biosphere reserve, Blagodatnaya Bay, marine terrace, 3 Jul 2006, *Nesterova 10343* (VLA).

Potentilla supina L.

$2n = 28$, CHN. Russia, Far East, Amurskaya Oblast', Oktyabr'skii Raion, 15 km of Varvarovka village, Yerkovetskii coal mining, a meadow near the bottom of mine dump, 17 Jul 2000, *Denissenko (Shatokhina) 9153* (VLA).

Sanguisorba officinalis L.

$2n = 28$, CHN. Russia, Far East, Primorskii Krai, Khankaiskii Raion, nature reserve "Khankaiskii", Sosnovyi area, Przheval'skogo sandy spit, among shrubs, 19 Jun 2004, *Barkalov 9281* (VLA).

URTICACEAE

Urtica cannabina L.

$2n = 26$, CHN. Russia, East Siberia, Irkutskaya Oblast', lakeside of Baikal Lake, 17 km north-eastwards of Listvyanka, Bol'shiye Koty village, waste place, 15 Sep 2007, *Probatova & Seledets 10735* (VLA).

VIOLACEAE

Viola acuminata Ledeb.

$2n = 20$, CHN. Russia, Far East, Primorskii Krai, Peter the Great Bay, Reineke Island, south part, a fragment of the forest near the sea shore, 2 Oct 2001, *Probatova & Seledets 8650* (VLA).

Viola patrini DC.

$2n = 24$, CHN. Russia, Far East, Primorskii Krai, Khanka Lake, near Turii Rog settlement, forest-steppe community, 9 Jun 2007, *Nechaev 10672* (VLA).