

Vascular plant species of Turukhansky Raion and Evenkiysky Raion (Krasnoyarsk krai, Russia)

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Abstract

This paper presents the first inventory of vascular plant species occurring in the Turukhansky and Evenkiysky municipal districts (raions) of Krasnoyarsk Krai, Russia. The checklist was compiled from published sources, observations from the iNaturalist platform, and herbarium materials, primarily collected within the Central Siberian Biosphere Nature Reserve, Tunguska Nature Reserve, and, partly, the Putorana Nature Reserve, as well as adjacent areas. Both native and alien (adventive) species are included, with the latter comprising 76 species, reflecting the comparatively low level of anthropogenic disturbance in the region. The checklist also identifies species occurring at the northernmost or southernmost limits of their distribution in the study area. It includes 60 species listed in the Red Data Book of Krasnoyarsk Krai, seven of which are also included in the Red Data Book of the Russian Federation. In total, 1,316 species (including 13 hybrids) belonging to 383 genera and 88 families have been

recorded across the two raions, including 771 species in Turukhansky and 1,171 in Evenkiysky. The higher species richness of the Evenkiysky Raion is associated with its substantially larger area (nearly four times that of Turukhansky) and its more complex landscape structure, comprising both lowland and mountainous terrain and, consequently, supporting a greater diversity of vegetation.

Keywords

Checklist of vascular plants, Evenkia, Evenkiysky Raion, Flora of Asian Russia, floristic findings, Krasnoyarsk Krai, Turukhansky Raion, Putorana Plateau, vascular plant species

Introduction

Krasnoyarsk Krai is the second-largest federal subject of Russia, covering an area of 2.37 million km². Only the Republic of Sakha (Yakutia), with an area of 3.08 million km², is larger. However, whereas Yakutia extends for about 2,000 km from the Arctic in the north only to the middle taiga subzone in the south, Krasnoyarsk Krai, also beginning in Arctic latitudes, spans not only the entire taiga zone but also extends southward into the Altai–Sayan mountain region. This makes it not only the most latitudinally extensive region (nearly 3,000 km), but also the most floristically rich region of Asian Russia. According to our estimates, approximately 3,200 vascular plant species occur in the region.

Krasnoyarsk Krai is administratively divided into 41 municipal districts (raions), most of which are relatively small and located in its southern part. More than three-quarters of the territory lies north of 60° N and belongs to three northern raions: Taimyrsky, Turukhansky, and Evenkiysky.

The flora of the northernmost Taimyrsky Raion has been studied relatively well, owing to the long-standing interest of Russian researchers in the Arctic (e.g., Tolmachev 1932a, 1932b, 1935, Tikhomirov 1948, Matveeva and Zanolka 1986, 1997, Pospelov and Pospelova 2021, 2025 Pospelova and Pospelov 2002, 2007, etc.). In contrast, the Turukhansky and Evenkiysky Raions, largely confined to the relatively homogeneous northern and middle taiga subzones, remain among the least floristically studied regions of Russia (Seregin et al. 2024).

Relatively detailed studies are available only for a few areas, including the southwestern part of the Putorana Plateau (Malyshev 1976), the surroundings of the Mirnoye Biological Station on the Yenisei River (Kuvaev et al. 2001), and the territories of several nature reserves: the Central Siberian Biosphere Nature Reserve (Scherbina 2009), the Tunguska Nature Reserve (Vasilyev et al. 2003, Timoshok et al. 2008c, 2012a, 2012b), and, to a lesser extent, the Putorana Nature Reserve (Pospelov and Pospelova 2021). An important source of the most up-to-date information (including data not available elsewhere) for the northern parts of the Turukhansky and Evenkiysky Raions, particularly within the Putorana Plateau, is the online portal “Flora of Taimyr” (Pospelova and Pospelov 2007–2026).

The Turukhansky Raion covers an area of 211,200 km² (Municipal entity... 2026) and is slightly larger than the Republic of Belarus, despite having a population of fewer than 13,000 people, distributed among 34 settlements. The district extends from north to south along the Yenisei River. Along the left bank of the Yenisei River lie the southern part of the Nizhneyenisei Upland, the Turukhansk Lowland, and the Verkhnetaz Upland. On the right bank of the Yenisei River, the Turukhansky Raion includes the southwestern spurs of the Putorana Plateau, the western part of the Tunguska Plateau, and the northern extremity of the Yenisei Ridge. The Turukhansky Raion is dominated by lowland, waterlogged landscapes with minor elevation differences and a mean elevation not exceeding 150 m a.s.l.

The Evenkiysky Raion, or Evenkia, is approximately three and a half times larger than the Turukhansky Raion, covering 757,600 km² (Evenkiysky district 2026), and is comparable in size to Turkey. Despite this, it comprises only 23 settlements, with a population only slightly exceeding that of the Turukhansky Raion. Evenkia has a similar north–south extent but is somewhat wider west–east. The eastern sector of the Putorana Plateau occupies its northern part. At the same time, to the south lies the Central Siberian Plateau, represented here by several of its constituent units (e.g., the Syverma Plateau, Tunguska Plateau, Central Tunguska Plateau, Zaangara Plateau, etc.). In terms of relief, Evenkia is a typical plateau region (mean elevations of 400–500 m a.s.l.) dissected by deeply incised river valleys.

In 2024, a checklist of the flora of Asian Russia, compiled by a large team of authors (Chepinoga et al. 2024), was published. The checklist applies a modern phylogenetic classification, incorporates updated nomenclature, and includes recent floristic records. However, species distributions were characterized using the rather coarse regionalization adopted in the “Checklist of Flora of Asian Russia: Vascular Plants” (Baikov 2012), in which the vast territory of Asian Russia was divided into 13 provinces. The territories of the Turukhansky and Evenkiysky Raions were assigned to three botanical provinces: the Siberian Arctic–Hyparctic, the Tunguska–Lena Boreal, and the Altai–Yenisei Mountain–Hemiboreal. At the same time, no comprehensive account of the floristic diversity of the Turukhansky and Evenkiysky Raions has been available to date.

Shortly after the publication of the 2024 checklist, a new project, “Flora of Asian Russia 2.0”, was launched. Whereas the first version of the checklist primarily involved taxonomists specializing in particular groups, the new project places a stronger emphasis on regional experts on local floras. In this project, species distributions are intended to be presented at the level of administrative regions (krais, oblasts, republics, and autonomous okrugs) or their subdivisions. Accordingly, Krasnoyarsk Krai has been divided into four regions: the first three correspond to the Taimyrsky, Turukhansky, and Evenkiysky Raions, while the fourth includes all remaining southern parts of the krai. The present study provides the first synopsis of the flora of the Turukhansky and Evenkiysky Raions (Fig. 1).



Figure 1. Study area: the Turukhansky (A) and Evenkiysky (B) Raions of Krasnoyarsk Krai, Russia. Note: 1 – Central Siberian Biosphere Nature Reserve; 2 – Putorana Nature Reserve; 3 – Tunguska Nature Reserve.

Materials and methods

In compiling the floristic synopsis, we considered all available data published in the scientific literature, online resources, and information on as yet unpublished records of species new to the Turukhansky and Evenkiysky Raions. Some records are based on observations available on the online platforms iNaturalist (<http://www.inaturalist.org>) and Plantarium (<https://www.plantarium.ru/>).

The nomenclature and taxonomic circumscription of plant species follow the checklist of vascular plants of Asian Russia (Chepinoga et al. 2024). Relevant synonyms can be found in this source. Therefore, only selected synonyms are provided in the present synopsis. Further information on these can be found in international databases such as the International Plant Names Index (IPNI; <https://ipni.org/>) and Plants of the World Online (POWO; <https://powo.science.kew.org/>).

The arrangement of families also follows Chepinoga et al. (2024), i.e., families are grouped into the classes Lycopodiopsida, Polypodiopsida, Pinopsida, and Magnoliopsida, ordered according to a phylogenetic system, within which families are arranged alphabetically. Genera and species are likewise listed in alphabetical order. Interspecific hybrids lacking binomial names are placed at the end of the respective genera.

The repositories of cited herbarium specimens are indicated by acronyms of collections registered in the Index Herbariorum (Thiers 2026): MW, KRF, KRAS, KRSU, LE, NSK, TK. For unregistered collections, the following abbreviations are used: CSNR – Herbarium of the Central Siberian Biosphere Nature Reserve; IMCES – Herbarium of the Institute of Monitoring of Climatic and Ecological Systems, Siberian Branch of the Russian Academy of Sciences; and TNR – Herbarium of the Tunguska Nature Reserve.

Results and discussion

An annotated list of vascular plant species was compiled from a floristic inventory of the flora of the Turukhansky (TUR) and Evenkiysky (EVEN) Raions. In the list, we identify taxa included in the Red Data Books of the Russian Federation (Geltman 2024) (**) and Krasnoyarsk Krai (Stepanov 2022) (*), as well as taxa occurring in the study area at the southern (↓) or northern (↑) limits of their distribution in Middle Siberia.

Class 1. LYCOPODIOPSIDA

Lycopodiaceae

Diphasiastrum alpinum (L.) Holub – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Scherbina 2009).

Diphasiastrum complanatum (L.) Holub – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Timoshok et al. 2008c, Scherbina 2009).

↓*Huperzia arctica* (Tolm.) Sipliv. – **EVEN** (Kuvaev and Lazarev 1981).

Huperzia selago (L.) Bernh. ex Schrank & Mart. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Scherbina 2009).

Lycopodium clavatum L. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).

Lycopodium lagopus (Laest. ex C.Hartm.) Zinserl. ex Kuzen. – **TUR** (Nizhnyaya Tunguska River Valley, at Letnyaya River mouth, rock outcrops, 19 July 2022, L. Krivobokov (KRF)). **EVEN** (Krasnoborov 1988, Scherbina 2009).

Spinulum annotinum (L.) A.Haines – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Timoshok et al. 2008c, Scherbina 2009).

Spinulum canadense (Romhild ex Nessel) A.Haines – **EVEN** (Kuvaev 2006, Scherbina 2009).

Selaginellaceae

Selaginella selaginoides* (L.) P. Beauv. ex Schrank & Mart. – **TUR (Scherbina 2006). **EVEN** (Krasnoborov 1988, Scherbina 2009).

Class 2. POLYPODIOPSIDA

Aspleniaceae

↑*Asplenium ruta-muraria* L. – **TUR** (Bolshaya Lebyazhaya River – Gureyeva et al. 2021). **EVEN** (Shcheki Tract – Scherbina 2006, 2009).

↑**Asplenium trichomanes* L. – **EVEN** (Tunguska Natural Reserve – Gureyeva et al. 2020).

↑**Asplenium viride* Huds. – **TUR** (Bolshaya Lebyazhaya River – Gureyeva et al. 2021). **EVEN** (Krasnoborov 1988).

Athyriaceae

Athyrium filix-femina (L.) Roth – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009, Timoshok et al. 2012a).

Diplazium sibiricum (Turcz. ex Kunze) Sa. Kurata – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Timoshok et al. 2008c, 2012a, Scherbina 2009).

Cystopteridaceae

Cystopteris dickieana R.Sim – **EVEN** (Kuvaev 1980).

Cystopteris fragilis (L.) Bernh. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Timoshok et al. 2008c, 2012a, Scherbina 2009).

Cystopteris montana (Lam.) Bernh. ex Desv. – **EVEN** (Malyshev 1976, Scherbina 2009).

Gymnocarpium continentale (Petrov) Pojark. – **TUR** (Bolshaya Lebyazhaya River – Gureyeva et al. 2021). **EVEN** (Timoshok et al. 2012a).

Gymnocarpium dryopteris (L.) Newman – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, 2012a, Scherbina 2009).

Gymnocarpium jessoense (Koidz.) Koidz. – **TUR** (Scherbina 2009). **EVEN** (Kuvaev 2006, Timoshok et al. 2008c, 2012a, Scherbina 2009).

Dennstaedtiaceae

Pteridium pinetorum C.N.Page & R.R.Mill – **TUR** (Bor Village – Scherbina 2009).

Dryopteridaceae

Dryopteris carthusiana (Vill.) H.P. Fuchs – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).

Dryopteris cristata* (L.) A.Gray – **TUR (Bor Village – Scherbina 2009).

Dryopteris dilatata (Hoffm.) A. Gray – **TUR** (1.5 km upstream of the Khakholevka River mouth (left tributary of Podkamennaya Tunguska River), fir forest, 19 Sept. 2020, S. Scherbina (TK)).

Dryopteris expansa (C. Presl) Fraser-Jenk. & Jermy – **TUR** (Mirnoye Village, Edge of an alder thicket along the ditch side, 15 Aug. 1980, M. Ivanova (det. A. Shmakov); MW0006983-1,2). **EVEN** (Scherbina 2009).

Dryopteris fragrans (L.) Schott – **EVEN** (Malyshev 1976, Timoshok et al. 2008c, 2012a, Scherbina 2009).

Equisetaceae

Equisetum arvense L. – **TUR** (Scherbina 2009). **EVEN** (Krasnoborov 1988, Timoshok et al. 2008c, Scherbina 2009).

†*Equisetum boreale* Bong. – **EVEN** (Krasnoborov 1988).

Equisetum fluviatile L. – **TUR** (Scherbina 2009). **EVEN** (Kuvaev 1980, Scherbina 2009; Tunguska Nature Reserve, Lake Peyungda, horsetail-sedge-cranberry bog, 03 July 2014, Yu. Raiskaya (LE)).

Equisetum hyemale L. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).

Equisetum palustre L. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Scherbina 2009; Tunguska Nature Reserve, middle course of the Chamba River, sedge-Sphagnum bog, 10 July 2013, Yu. Raiskaya (TK)).

Equisetum pratense Ehrh. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Timoshok et al. 2008c, Scherbina 2009).

Equisetum scirpoides Michx. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Timoshok et al. 2008c, Scherbina 2009).

Equisetum sylvaticum L. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Scherbina 2009; Tunguska Nature Reserve, middle course of the Chamba River, spruce-larch forest, 10 July 2013, Yu. Raiskaya (TK)).

Equisetum variegatum Schleich. ex F. Weber & D. Mohr – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Scherbina 2009).

Onocleaceae

†*Matteuccia struthiopteris* (L.) Tod. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).

Ophioglossaceae

- **Botrychium boreale* Milde – **TUR** (Scherbina 2009).
- *↑*Botrychium lanceolatum* (S.G. Gmel.) Ångstr. – **TUR** (Scherbina 2009).
- Botrychium lunaria* (L.) Sw. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Scherbina 2009, Timoshok et al. 2012a).
- Botrychium matricariifolium* A. Br. ex Koch – **TUR** (Komsa Village – Scherbina 2009).
- *↑*Ophioglossum vulgatum* L. – **EVEN** (Scherbina 2009).
- **Sceptridium multifidum* (S.G.Gmel.) M. Nishida – **TUR** (Krasnoborov 1988, Scherbina 2009). **EVEN** (Krasnoborov 1988).

Polypodiaceae

- ↑*Polypodium sibiricum* Sipliv. – **EVEN** (Scherbina 2009).
- *↑*Polypodium vulgare* L. – **EVEN** (Tunguska Natural Reserve – Gureyeva et al. 2020).

Pteridaceae

- Cryptogramma stelleri* (S.G.Gmel.) Prantl – **EVEN** (Malyshev 1976, Scherbina 2009).

Thelypteridaceae

- Phegopteris connectilis* (Michx.) Watt – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
- ↑*Thelypteris palustris* (Salisb.) Schott – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).

Woodsiaceae

- Woodsia acuminata* (Fomin) Sipliv. – **EVEN** (Timoshok et al. 2012a).
- **Woodsia alpina* (Bolton) Gray – **EVEN** (Mironenko et al. 1971, Krasnoborov 1988).
- Woodsia asplenioides* Rupr. – **EVEN** (Vicinity of Baykit Village, carbonaceous rocks, 16 July 2017, L. Krivobokov (KRF)).
- Woodsia glabella* R.Br. ex Richardson – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Timoshok et al. 2008c, 2012a, Scherbina 2009).
- Woodsia ilvensis* (L.) R.Br. – **TUR** (Scherbina 2009). **EVEN** (Kuvaev 1980, Scherbina 2009; Tunguska Nature Reserve, Chugrim waterfall, wet rock outcrops, 02 July 2008, E. Timoshok (TK)).

Class 3. PINOPSIDA

Cupressaceae

Juniperus communis L. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).

Juniperus sibirica Burgsd. – **TUR** (Scherbina 2009). **EVEN** (Kuvaev 2006, Scherbina 2009).

Ephedraceae

? *Ephedra dahurica* Turcz. s.l. – **EVEN** (Scherbina 2010). – The species occurrence should be confirmed.

Pinaceae

Abies sibirica Ledeb. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).

Larix × czekanowskii Szafer (*L. gmelinii* × *L. sibirica*) – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Scherbina 2009).

Larix gmelinii (Rupr.) Goep. – **EVEN** (Mironenko et al. 1971, Kuvaev 1980, 2006; Tunguska Nature Reserve, Khushma River bank, larch forest, 01 June 2007, E. Timoshok (TNR)).

Larix sibirica Ledeb. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).

Picea obovata Ledeb. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Timoshok et al. 2008c, Scherbina 2009).

Pinus sibirica Du Tour – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).

Pinus sylvestris L. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).

Class 4. MAGNOLIOPSIDA

Alismataceae

Alisma gramineum Lej. – **EVEN** (Krasnoborov 1988).

Alisma plantago-aquatica L. – **TUR** (Scherbina 2009). **EVEN** (Krasnoborov 1988; Tunguska Nature Reserve, at Chamba River mouth, in water, 29 June 2012, Yu. Raiskaya (TK)).

Sagittaria natans Pall. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).

Sagittaria sagittifolia L. – **TUR** (Scherbina 2009).

Amaranthaceae

- Amaranthus retroflexus* L. – **TUR** (Scherbina 2009). Alien.
- Chenopodium acrifolium* Andr. – **EVEN** (Krasnoborov and Malyshev 1992). Alien.
- Chenopodium album* L. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009). Alien.
- Chenopodium ficifolium* Sm. – **EVEN** (Krasnoborov and Malyshev 1992). Alien.
- Chenopodium karoii* (Murr) Aellen – **TUR** (Floodplain of the Nizhnyaya Tunguska River, Turukhansk Settlement, 25 July 2022, L. Krivobokov (KRF)).
- Chenopodium suecicum* Murr – **TUR** (Mirnoye Station – Kuvaev et al. 2001). Alien.
- Corispermum crassifolium* Turcz. – **TUR** (Igarka Village – Krasnoborov and Malyshev 1992). **EVEN** (Tunguska Nature Reserve, Podkamennaya Tunguska River, sandy bank, 05 July 2013, Yu. Raikaya (TK)).
- Corispermum sibiricum* Iljin – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
- Lipandra polysperma* (L.) S. Fuentes, Uotila & Borsch – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c).
- Oxybasis glauca* (L.) S. Fuentes, Uotila & Borsch – **TUR** (Scherbina 2009). Alien.
- Oxybasis rubra* (L.) S. Fuentes, Uotila & Borsch – **EVEN** (Krasnoborov and Malyshev 1992).
- Oxybasis urbica* (L.) S. Fuentes, Uotila & Borsch – **TUR** (Scherbina 2009).
- Teloxys aristata* (L.) Moq. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).

Amaryllidaceae

- ↑*Allium microdictyon* Prokh. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
- Allium schoenoprasum* L. – **TUR** (Scherbina 2009). **EVEN** (Mironenko et al. 1971, Kuvaev 2006, Timoshok et al. 2008c, Scherbina 2009).
- ↑*Allium splendens* Willd. ex Schult. & Schult.f. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- Allium strictum* Schrad. – **EVEN** (Malyshev 1976, Scherbina 2009; Lake Kharpicha, a sparse meadow on a rocky shelf, 27 July 2023, I. Pospelov (MW)).

Apiaceae

- ↑*Aegopodium alpestre* Ledeb. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- Angelica decurrens* (Ledeb.) B. Fedtsch. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Scherbina 2009; Tunguska Nature Reserve, near Besima River, forb-rich of a streambed, 03 July 2014, Yu. Raikaya (TK)).
- Angelica sylvestris* L. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
- Anthriscus sylvestris* (L.) Hoffm. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).

- ↑*Aulacospermum anomalum* (Ledeb.) Ledeb. – **EVEN** (Timoshok et al. 2008c).
- Bupleurum aureum* Fisch. ex Hoffm. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009; Tunguska Nature Reserve, Chamba River bank, herb-rich floodplain meadow, 12 July 2018, Yu. Raiskaya (TK)).
- ↑*Bupleurum multinerve* DC. – **EVEN** (Scherbina 2009).
- Carum carvi* L. – **TUR** (Scherbina 2009). **EVEN** (Tunguska Nature Reserve, Podkamennaya Tunguska River, herb-rich floodplain meadow, 14 July 2018, Yu. Raiskaya (TK)). Alien.
- ↑*Cenolophium fischeri* (Spreng.) W.D.J. Koch – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
- Chaerophyllum prescottii* DC. – **TUR** (Mirnoye Station – Kuvaev et al. 2001). Alien.
- Cicuta virosa* L. – **TUR** (Scherbina 2009). **EVEN** (Lake Chirinda – Mironenko et al, 1971, Scherbina 2009; Tunguska Nature Reserve, Podkamennaya Tunguska River, herb-rich floodplain meadow, 14 July 2018, Yu. Raiskaya (TK)).
- ↑*Conioselinum longifolium* Turcz. – **EVEN** (Scherbina 2009).
- Conioselinum tataricum* Hoffm. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- Heracleum dissectum* Ledeb. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- ↑*Kitagawia baicalensis* (Redow. ex Willd.) Pimenov – **EVEN** (Timoshok et al. 2008c).
- Ostericum tenuifolium* (Pall. ex Spreng.) Y.C. Chu – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Scherbina 2009).
- Pachypleurum alpinum* Ledeb. – **TUR** (Bakhta Village – Kuvaev et al. 2001). **EVEN** (Malyshev 1976).
- Phlojodicarpus villosus* (Turcz. ex Fisch. & C.A. Mey.) Ledeb. – **EVEN** (Malyshev 1976, Krivobokov 2024).
- Pimpinella saxifraga* L. – **TUR** (Scherbina 2009).
- Pleurospermum uralense* Hoffm. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Timoshok et al. 2008c, Scherbina 2009).
- Seseli condensatum* (L.) Rchb.f. – **EVEN** (Scherbina 2009).
- ↑*Sium suave* Walter – **TUR** (Scherbina 2009).

Araceae

- Calla palustris* L. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009; Tunguska Nature Reserve, at Verkhnyaya Lakura River mouth, marshy patch with stagnant water, 01 Aug. 2009, Yu. Raiskaya (TK)).
- Lemna trisulca* L. – **TUR** (Scherbina 2009). **EVEN** (Tunguska Nature Reserve, at Chamba River mouth, in the water of an overgrown oxbow, 10 July 2018, Yu. Raiskaya (IMCES)).

Lemna turionifera Landolt – **TUR** (Verkhneimbatskoe Village – Kuvaev et al. 2001). **EVEN** (Vicinity of Vanavara Village, sedge bog, 01 July 2019, Yu. Raiskaya, pers. obs.).

Asparagaceae

Maianthemum bifolium (L.) F.W. Schmidt – **TUR** (Scherbina 2009). **EVEN** (Kuvaev 1980, Timoshok et al. 2008c, Scherbina 2009).

↑*Maianthemum trifolium* (L.) Sloboda – **EVEN** (Timoshok et al. 2008c).

Asteraceae

Achillea acuminata (Ledeb.) Sch. Bip. – **TUR** (Kuvaev et al. 2001). Alien.

Achillea alpina L. – **EVEN** (Malyshev 1976, Timoshok et al. 2012b).

Achillea asiatica Serg. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009; Tunguska Nature Reserve, Podkamennaya Tunguska River, at Chamba River mouth, herb-rich floodplain meadow, 23 June 2014, Yu. Raiskaya (TK)).

Achillea impatiens L. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Timoshok et al. 2008c, 2012b, Scherbina 2009).

Achillea millefolium L. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, 2012b, Scherbina 2009).

Achillea salicifolia Besser (*A. cartilaginea*) – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, 2012b, Scherbina 2009).

Antennaria dioica (L.) Gaertn. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Timoshok et al. 2008c, 2012b, Scherbina 2009).

Antennaria villifera Boriss. – **EVEN** (Mironenko et al. 1971, Kuvaev 1980, Malyshev 1976).

Arctium tomentosum Mill. – **TUR** (Scherbina 2009). Alien.

Arnica iljinii (Maguire) Iljin – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976).

Artemisia bargusinensis Spreng. – **TUR** (Floodplain of the Yenisei River, Bor Village, 19 Aug. 2022, L. Krivobokov (KRF)).

Artemisia borealis Pall. – **EVEN** (Malyshev 1976, Krasnoborov 1997).

Artemisia commutata Besser – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).

Artemisia dracunculus L. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, 2012b, Scherbina 2009; Lake Kharpicha, floodplain of the Khusana River, 14 July 2023, I. Pospelov (MW)).

Artemisia gmelinii Weber ex Stechm. (*A. santolinifolia*, *A. stechmanniana*) – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009, Timoshok et al. 2012b).

Artemisia integrifolia L. – **TUR** (Scherbina 2009).

Artemisia laciniata Willd. – **EVEN** (Krivobokov 2024; Tunguska Nature Reserve, at Chamba River mouth, steppe community, 11 July 2018, Yu. Raiskaya (IMCES)).

Artemisia leucophylla (Turcz. ex Besser) C.B. Clarke – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009, Krivobokov 2024).

- Artemisia mongolica* (Fisch. ex Besser) Nakai – **TUR** (Kuvaev et al. 2001).
- Artemisia palustris* L. – **EVEN** (Krasnoborov 1997).
- Artemisia sericea* Weber ex Stechm. – **EVEN** (Timoshok et al. 2008c, 2012b, Scherbina 2009).
- Artemisia tanacetifolia* L. – **EVEN** (Timoshok et al. 2008c, 2012b).
- ↓*Artemisia tilesii* Ledeb. – **EVEN** (Kuvaev and Lazarev 1981).
- Artemisia vulgaris* L. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, 2012b, Scherbina 2009).
- Askellia pygmaea* (Ledeb.) Sennikov – **EVEN** (Malyshev 1976; Lake Kharpicha, floodplain of the Khusana river, 14 July 2023, I. Pospelov (MW)).
- Aster alpinus* L. – **EVEN** (Malyshev 1976, Timoshok et al. 2008c, 2012b, Scherbina 2009).
- Bidens radiata* Thuill. – **TUR** (Scherbina 2009).
- Bidens tripartita* L. – **TUR** (Scherbina 2009). **EVEN** (Vasilyev et al. 2003). Alien.
- Carduus crispus* L. – **TUR** (Kuvaev et al. 2001). **EVEN** (Timoshok et al. 2008c, 2012b). Alien.
- Carlina biebersteinii* Bernh. ex Hornem. – **TUR** (Scherbina 2017). **EVEN** (Scherbina 2017).
- Centaurea cyanus* L. – **EVEN** (Krasnoborov 1997). Alien.
- Centaurea phrygia* L. – **TUR** (Scherbina 2009). Alien.
- Centaurea scabiosa* L. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009; Vicinity of Vanavara Village, Podkamennaya Tunguska River bank, herb-rich meadow, 10 July 2014, Yu. Raiskaya, pers. obs.).
- Chrysanthemum mongolicum* Ling – **EVEN** (Krasnoborov 1997, Kuvaev 2006).
- Chrysanthemum zawadskii* Herbach – **EVEN** (Malyshev 1976, Timoshok et al. 2008c, 2012b, Scherbina 2009).
- Cirsium helenioides* (L.) Hill – **TUR** (Scherbina 2009). **EVEN** (Volkova and Lomonosova 2001, Scherbina 2009).
- **Cirsium komarovii* Schischk. – **EVEN** (Timoshok et al. 2012b).
- Cirsium serratuloides* (L.) Hill – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009, Timoshok et al. 2012b).
- Cirsium setosum* (Willd.) Besser ex M. Bieb. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, 2012b). Alien.
- Crepidiastrum tenuifolium* (Willd.) Sennikov – **EVEN** (Timoshok et al. 2008c, 2012b, Scherbina 2009).
- **Crepis bungei* Froel. – **EVEN** (Krasnoborov 1997).
- Crepis lomonosovae* Tzvelev – **EVEN** (Krasnoborov 1997).
- Crepis lyrata* (L.) Froel. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009, Timoshok et al. 2012b).
- Crepis sibirica* L. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, 2012b, Scherbina 2009).
- Crepis tectorum* L. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2012b). Alien.

- ↓*Endocellion glaciale* (Ledeb.) Kuprian. – **EVEN** (Mironenko et al. 1971, Malyshev 1976).
- Endocellion sibiricum* (J.F. Gmel.) Toman – **EVEN** (Mironenko et al. 1971, Malyshev 1976).
- Erigeron acris* L. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, 2012b, Scherbina 2009).
- Erigeron eriocalyx* (Ledeb.) Vierh. – **EVEN** (Mironenko et al. 1971, Kuvaev 1980).
- ↓*Erigeron eriocephalus* J. Vahl – **EVEN** (Mironenko et al. 1971, Kuvaev 1980).
- Erigeron politus* Fr. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Scherbina 2009, Timoshok et al. 2012b).
- ↓*Erigeron silenifolius* (Turcz.) Botsch. – **EVEN** (Mironenko et al. 1971, Timoshok et al. 2012b).
- Eurybia sibirica* (L.) G.L. Nesom – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Timoshok et al. 2008c, 2012b, Scherbina 2009).
- ↑*Galatella angustissima* (Tausch) Novopokr. – **TUR** (Kuvaev et al. 2001).
- ↑*Galatella dahurica* DC. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, 2012b, Scherbina 2009).
- Galatella hauptii* (Ledeb.) Lindl. ex DC. – **TUR** (Kuvaev et al. 2001).
- Gnaphalium uliginosum* L. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2012b).
- Heteropappus altaicus* (Willd.) Novopokr. – **TUR** (Scherbina 2009).
- Heteropappus biennis* (Ledeb.) Tamamsch. ex Grub. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
- Hieracium chamardabanense* Tupitz. – **EVEN** (Scherbina 2009).
- Hieracium fulvescens* Norrl. (*H. subfarinirimum*) – **EVEN** (Scherbina 2009; Baykit Village, birch forest, 20 Aug. 2015, L. Krivobokov (KRF, KRAS)).
- Hieracium korshinskyi* Zahn – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
- Hieracium kusnetzkiense* Schischk. & Serg. – **EVEN** (Krasnoborov 1997).
- Hieracium lucens* Norrl. – **EVEN** (Scherbina 2009).
- Hieracium* × *robustum* Fr. (*H. umbellatum* × *H. virosum*) – **EVEN** (Timoshok et al. 2008c, 2012b).
- Hieracium subarctoum* Norrl. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
- Hieracium subpellucidum* (Norrl.) Norrl. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
- Hieracium subramosum* Lönnr. – **EVEN** (Scherbina 2009).
- Hieracium tunguscanum* Ganesch. & Zahn – **EVEN** (Lower course of the Bolshaya Chernaya River (a tributary of the Podkamennaya Tunguska), gentle slope of south-west exposure N61.562159°, E91.347588°, 06 Aug. 2021, S. Scherbina – Scherbina 2021).
- Hieracium umbellatum* L. (*H. czaiense*, *H. pseudoarctophilum*, *H. subarctophilum*) – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, 2012b, Scherbina 2009).
- **Hieracium veresczaginii* Schischk. & Serg. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).

- Hieracium virosum* Pall. – **EVEN** (Tunguska Nature Reserve, at Verkhnyaya Lakura River mouth, pine forest, 23 June 2023, L. Krivobokov (KRF)).
- Jacobaea ambracea* (Turcz. ex DC.) B. Nord. – **TUR** (Pronkina and Scherbina 1994).
- Jacobaea erucifolia* (L.) G. Gaertn., B. Mey. & Scherb. (*Senecio erucifolius*) – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, 2012b, Scherbina 2009; Tunguska Nature Reserve, lower course of the Chamba River, 28 June 2012, Yu. Raiskaya (TNR)).
- Lactuca sibirica* (L.) Maxim. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, 2012b, Scherbina 2009).
- Lagoseris multicaulis* (Ledeb.) Sennikov – **EVEN** (Krasnoborov 1997).
- Leucanthemum vulgare* Lam. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2012b). Alien.
- Matricaria discoidea* DC. – **TUR** (Scherbina 2009). Alien.
- Omalotheca sylvatica* (L.) Sch. Bip. & F.W. Schultz – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
- Packera heterophylla* (Fisch.) E. Wiebe – **EVEN** (Krasnoborov 1997).
- Parasenecio hastatus* (L.) H. Koyama – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, 2012b, Scherbina 2009).
- Pentanema asperum* (Poir.) G.V. Boiko & Korniy. – **EVEN** (Timoshok et al. 2008c, 2012b).
- Pentanema britannicum* (L.) D. Gut. Larr., Santos-Vicente, Anderb., E. Rico & M.M. Mart. Ort. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, 2012b, Scherbina 2009).
- Pentanema salicinum* (L.) D. Gut. Larr., Santos-Vicente, Anderb., E. Rico & M.M. Mart.Ort. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009, Timoshok et al. 2012b).
- Petasites frigidus* (L.) Fr. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Scherbina 2009, Timoshok et al. 2012b).
- Petasites radiatus* (J.F. Gmel.) Toman – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, 2012b, Scherbina 2009).
- Petasites spurius* (Retz.) Rchb. – **EVEN** (Krasnoborov 1997).
- Picris davurica* Fisch. ex Hornem. – **TUR** (Kuvaev et al. 2001). **EVEN** (Timoshok et al. 2012b).
- Picris hieracioides* L. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009; Tunguska Nature Reserve, Podkamennaya Tunguska River, below a scree slope, 27 July 2012, Yu. Raiskaya (IMCES)).
- Pilosella onegensis* Norrl. – **EVEN** (Krasnoborov 1997).
- Pilosella sabina* (Sebast.) F.W. Schultz & Sch. Bip. (*P. sabinopsis*) – **EVEN** (Tunguska Nature Reserve, at Chamba River mouth, pine forest, 26 June 2023, L. Krivobokov (KRF)).
- Saussurea alpina* (L.) DC. – **TUR** (Kuvaev et al. 2001).
- **Saussurea amurensis* Turcz. ex DC. (*S. denticulata* Ledeb.) – **EVEN** (Lake Kharpicha, eastern schore, pebble terrace, 25 July 2023, I. Pospelov (MW)).

- Saussurea controversa* DC. – **EVEN** (Scherbina 2010, Timoshok et al. 2012b).
Saussurea latifolia Ledeb. – **TUR** (Kuvaev et al. 2001).
Saussurea parviflora (Poir.) DC. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Timoshok et al. 2008c, 2012b, Scherbina 2009).
Saussurea purpurata (Fisch. ex Herder) Lipsch. – **EVEN** (Scherbina 2009).
 Saussurea stubendorffii* Herder – **TUR (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, 2012b, Scherbina 2009).
 ↓*Saussurea tilesii* (Ledeb.) Ledeb. – **EVEN** (Malyshev 1976, Krasnoborov 1997).
 ↑*Scorzonera radiata* Fisch. ex Colla – **EVEN** (Krasnoborov 1997, Timoshok et al. 2008c, 2012b).
Senecio nemorensis L. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, 2012b, Scherbina 2009).
Senecio vulgaris L. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, 2012b). Alien.
 ↑*Serratula coronata* L. – **TUR** (Kuvaev et al. 2001). **EVEN** (Timoshok et al. 2008c, 2012b).
Solidago dahurica (Kitag.) Kitag. ex Juz. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009, Timoshok et al. 2008c, 2012b).
Sonchus arvensis L. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009, Timoshok et al. 2012b). Alien.
Sonchus asper (L.) Hill – **TUR** (Krasnoborov 1997).
Sonchus oleraceus L. – **EVEN** (Krasnoborov 1997). Alien.
Tanacetum bipinnatum (L.) Sch.Bip. – **TUR** (Kuvaev et al. 2001). **EVEN** (Scherbina 2009, 2010).
Tanacetum boreale Fisch. ex DC. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
Tanacetum vulgare L. – **TUR** (Kuvaev et al. 2001). **EVEN** (Timoshok et al. 2008c, 2012b).
Taraxacum acricorne Dahlst. – **EVEN** (Krasnoborov 1997).
 ↓*Taraxacum arcticum* (Trautv.) Dahlst. – **EVEN** (Malyshev 1976, Kuvaev 2006).
Taraxacum ceratophorum (Ledeb.) DC. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Scherbina 2009, Timoshok et al. 2012b).
Taraxacum glabrum DC. – **EVEN** (Krasnoborov 1997, Kuvaev 1980).
 ↓*Taraxacum lateritium* Dahlst. – **TUR** (Mouth of the Khantayka River – Krasnoborov 1997: 426).
Taraxacum longicorne Dahlst. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009; Tunguska Nature Reserve, Podkamennaya Tunguska River bank, stony patch, 21 June 2014, Yu. Raiskaya – Raiskaya 2014b).
Taraxacum macilentum Dahlst. – **TUR** (Kuvaev et al. 2001). **EVEN** (Kuvaev 1980).
Taraxacum macroceras Dahlst. – **EVEN** (Krasnoborov 1997).
Taraxacum nivale Lange ex Kihlm. – **EVEN** (Kuvaev 1980, 2006).
Taraxacum officinale F.H. Wigg. – **TUR** (Kuvaev et al. 2001). **EVEN** (Timoshok et al. 2008c, 2012b).
Taraxacum scariosum (Tausch) Kirschner & Štěpánek – **TUR** (Kuvaev et al. 2001). **EVEN** (Yurgupchen Stream – Efremov 2021g).

- Tephroseris atropurpurea* (Ledeb.) Holub – **EVEN** (Krasnoborov 1997).
Tephroseris integrifolia (L.) Holub – **TUR** (Kuvaev et al. 2001). **EVEN** (Timoshok et al. 2008c, 2012b).
Tephroseris palustris (L.) Rchb. – **EVEN** (Timoshok et al. 2012b).
 Tephroseris porphyrantha* (Schischk.) Holub – **EVEN (Yurgupchen Stream – Efremov 2021e, 2021f).
Tephroseris tundricola (Tolm.) Holub – **EVEN** (Krasnoborov 1997).
Tragopogon orientalis L. – **TUR** (Kuvaev et al. 2001).
Tragopogon sibiricus Ganesch. – **TUR** (confluence of the Podkamennaya Tunguska and Yenisei rivers, hay meadow, July 2020, S. Scherbina (TK)). **EVEN** (Krasnoborov 1997).
 ↓*Tripleurospermum hookeri* Sch. Bip. – **EVEN** (Malyshev 1976).
Tripleurospermum inodorum (L.) Sch. Bip. – **TUR** (Scherbina 2009). Alien.
Tussilago farfara L. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009, Timoshok et al. 2012b).

Balsaminaceae

- Impatiens noli-tangere* L. – **TUR** (Scherbina 2009). **EVEN** (Vanavara Village, roadside, 09 Aug. 2009, Yu. Raiskaya, pers. obs.).
Impatiens parviflora DC. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009; Tunguska Nature Reserve, at Chamba River mouth, willow thickets, 22 June 2012, Yu. Raiskaya (TK)). Alien.

Betulaceae

- Alnus fruticosa* Rupr. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Timoshok et al. 2008c, Scherbina 2009).
Alnus hirsuta (Spach) Rupr. – **TUR** (Scherbina 2009). **EVEN** (Timoshok and Skorokhodov 2008).
Betula divaricata Ledeb. – **EVEN** (Krasnoborov and Malyshev 1992, Kuvaev 2006).
Betula exilis Sukaczev – **EVEN** (Malyshev 1976, Scherbina 2009; Tunguska Nature Reserve, Lake Peyungda, stony shore, 30 June 2014, Yu. Raiskaya (TK)).
Betula fruticosa Pall. – **EVEN** (Timoshok et al. 2008c, Scherbina 2009; Lake Kharpi-cha, the edge of a rocky hill, the slope toward the lake, 03 July 2023, I. Pospelov (MW)).
Betula humilis Schrank – **TUR** (Middle course of the Bolshaya Lebyazhya River (left tributary of Podkamennaya Tunguska River), depression on the floodplain terrace, 19 June 2020, S. Scherbina (KRSU, TK)). **EVEN** (Kuvaev and Lazarev 1981, Scherbina 2009).
Betula nana L. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Timoshok et al. 2008c, Scherbina 2009).
Betula pendula Roth – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).

Betula platyphylla Sukaczew – **TUR** (Kuvaev et al. 2001). **EVEN** (Scherbina 2009).
Betula pubescens Ehrh. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
Betula tortuosa Ledeb. – **EVEN** (Malyshev 1976, Kuvaev 2006).

Boraginaceae

Cynoglossum officinale L. – **TUR** (Scherbina 2009). Alien.
Eritrichium villosum (Ledeb.) Bunge – **EVEN** (Malyshev 1997).
Hackelia deflexa (Wahlenb.) Opiz – **TUR** (Scherbina 2017). **EVEN** (Scherbina 2017).
Lappula anisacantha (Turcz. ex Bunge) Gürke – **TUR** (Kuvaev et al. 2001).
Lappula consanguinea (Fischer & C.A. Meyer) Gürke – **TUR** (Kuvaev et al. 2001).
Lappula heteracantha (Ledeb.) Gürke – **TUR** (Kuvaev et al. 2001).
Lappula lenensis Popov ex Ovczinnikova – **EVEN** (Malyshev 1997).
Lappula squarrosa (Retz.) Dumort. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
 ↑*Lithospermum officinale* L. – **EVEN** (Scherbina 2009).
 Mertensia sibirica* (L.) G. Don – **TUR (Scherbina 2009). **EVEN** (Scherbina 2009).
Myosotis arvensis (L.) Hill – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009). Alien.
Myosotis asiatica (Vestergr.) Schischk. & Serg. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Scherbina 2009).
Myosotis cespitosa Schultz – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009; Tunguska Nature Reserve, Podkamennaya Tunguska River, below a scree slope, 09 July 2013, Yu. Raikaya (IMCES)).
 ↑*Myosotis imitata* Serg. – **TUR** (Bor Village, overgrown wasteland, 26 June 2020, S. Scherbina (TK)). **EVEN** (Malyshev 1997, Timoshok et al. 2008c).
 Myosotis pseudovariabilis* Popov – **TUR (Kuvaev et al. 2001). **EVEN** (Scherbina 2009).
Myosotis scorpioides L. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Timoshok et al. 2008c, Scherbina 2009).
 ↑*Pulmonaria mollis* Wulfen ex Hornem. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
Trigonotis myosotidea (Maxim.) Maxim. – **EVEN** (Malyshev 1997).
Trigonotis peduncularis (Trevir.) Benth. ex F.B. Forbes & Hemsl. – **TUR** (Scherbina 2009).

Brassicaceae

↑*Alyssum lenense* Adams – **EVEN** (Scherbina 2009).
 ↓*Arabidopsis media* (N.Busch) D.A. German – **EVEN** (Pospelova and Pospelov 2007–2026, Scherbina 2009).

- ↓*Arabidopsis septentrionalis* (N.Busch) D.A. German – **EVEN** (Pospelova and Pospelov 2007–2026).
- ↓*Arabis alpina* L. – **EVEN** (Kuvaev 2006).
- ↑*Arabis borealis* Andrz. ex C.A. Mey. (*A. sagittata* auct.) – **TUR** (Kuvaev et al. 2001, Scherbina 2009). **EVEN** (Tunguska Nature Reserve, Khushma River bank, larch forest, sand scree, 30 June 2008, E. Timoshok (TK)).
- Armoracia sisymbrioides* (DC.) Cajander – **EVEN** (Malyshev and Peschkova 1994).
- Barbarea orthoceras* Ledeb. – **EVEN** (Kuvaev 2006).
- Barbarea stricta* Andrz. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
- Brassica juncea* (L.) Czern. – **EVEN** (Malyshev and Peschkova 1994). Alien.
- Brassica rapa* L. – **EVEN** (Malyshev and Peschkova 1994). Alien.
- Capsella bursa-pastoris* (L.) Medik. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009). Alien.
- Cardamine bellidifolia* L. – **EVEN** (Malyshev and Peschkova 1994).
- Cardamine dentata* Schult. – **EVEN** (Malyshev and Peschkova 1994; Tunguska Nature Reserve, at Verkhnyaya Lakura River mouth, forb-rich stream bank, 24 June 2012, Yu. Raiskaya (LE)).
- **Cardamine impatiens* L. – **EVEN** (Malyshev and Peschkova 1994).
- Cardamine macrophylla* Willd. – **EVEN** (Malyshev 1976, Scherbina 2009).
- **Cardamine microphylla* Adams – **EVEN** (Mironenko et al. 1971, Malyshev and Peschkova 1994).
- ↓*Cardamine polemonioides* (Royu) T. Durand & B.D. Jacks. – **EVEN** (Malyshev and Peschkova 1994).
- Cardamine pratensis* L. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Scherbina 2009).
- Cardamine trifida* (Lam. ex Poir.) B.M.G. Jones – **TUR** (Scherbina 2009).
- Catolobus pendulus* (L.) Al-Shehbaz (*Arabis pendula*) – **TUR** (Kuvaev et al. 2001, Scherbina 2009).
- Descurainia sophia* (L.) Webb ex Prantl – **TUR** (Scherbina 2009). Alien.
- Descurainia sophioides* (Fisch. ex Hook.) O.E. Schulz – **TUR** (Kuvaev et al. 2001). **EVEN** (Malyshev and Peschkova 1994).
- ↓*Draba alpina* L. – **EVEN** (Mironenko et al. 1971, Kuvaev 1980).
- Draba cinerea* Adams – **EVEN** (Malyshev 1976, Scherbina 2009; Tunguska Nature Reserve, Chugrim waterfall, wet rock outcrops, 02 July 2008, E. Timoshok (TK)).
- ↓*Draba corymbosa* R. Br. ex DC. – **EVEN** (Malyshev 1976).
- Draba fladnizensis* Wulfen – **EVEN** (Malyshev 1976, Pospelova and Pospelov 2007–2026).
- Draba glabella* Pursh – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
- ↓*Draba glacialis* Adams – **EVEN** (Pospelova and Pospelov 2007–2026).
- ↓*Draba lactea* Adams – **EVEN** (Kuvaev 1980, 2006).
- Draba lanceolata* Royle – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009, Krivobokov 2024).

- ↓*Draba metaarctica* V.V. Petrovsky – **EVEN** (Eastern shore of Lake Kharpicha, Se-myon-Yuryakh Stream mouth terrace, 11 July 2023, I. Pospelov (NSK)).
- ↓*Draba micropetala* Hook. – **EVEN** (Kuvaev 1980, 2006).
- Draba nemorosa* L. – **EVEN** (Krivobokov 2024).
- *↓*Draba nivalis* Lilj. – **EVEN** (Mironenko et al. 1971, Malyshev 1976).
- Draba ochroleuca* Bunge – **EVEN** (Pospelova and Pospelov 2007–2026).
- ↓*Draba parvisiliquosa* Tolm. – **EVEN** (Pospelova and Pospelov 2007–2026).
- ↓*Draba pauciflora* R.Br. – **EVEN** (Pospelova and Pospelov 2007–2026).
- ↓*Draba pilosa* Adams ex DC. – **EVEN** (Pospelova and Pospelov 2007–2026).
- ↓*Draba pseudopilosa* Pohle – **EVEN** (Kuvaev 1980).
- **Draba sambukii* Tolm. – **EVEN** (Kuvaev 1980, Pospelova and Pospelov 2007–2026).
- Draba sibirica* (Pall.) Thell. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- ↓*Draba subcapitata* Simmons – **EVEN** (Pospelova and Pospelov 2007–2026).
- Erysimum cheiranthoides* L. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- Erysimum flavum* (Georgi) Bobrov – **TUR** (Scherbina 2009).
- Erysimum marschallianum* Andr. ex M.Bieb. – **TUR** (Kuvaev et al. 2001). **EVEN** (Timoshok et al. 2008).
- ↓*Erysimum pallasii* (Pursh) Fernald – **EVEN** (Mironenko et al. 1971).
- Eutrema edwardsii* R. Br. – **EVEN** (Malyshev and Peschkova 1994).
- ↑*Hesperis sibirica* L. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
- Isatis costata* C.A. Mey. – **TUR** (Kuvaev et al. 2001).
- Isatis jacutensis* (N. Busch) N. Busch – **EVEN** (Malyshev and Peschkova 1994).
- Noccaea thlaspidioides* (Pall.) F.K. Mey. – **EVEN** (Malyshev and Peschkova 1994).
- Odontarrhena obovata* C.A. Mey. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- Parrya nudicaulis* (L.) Regel – **EVEN** (Malyshev 1976).
- Rorippa amphibia* (L.) Besser – **TUR** (Scherbina 2009). **EVEN** (Tunguska Nature Reserve, at Chamba River mouth, an overgrown oxbow, 25 July 2019, Yu. Raiskaya (TK)).
- Rorippa barbareaifolia* (DC.) Kitag. – **EVEN** (Malyshev and Peschkova 1994).
- **Rorippa dogadovae* Tzvelev – **EVEN** (Malyshev and Peschkova 1994).
- Rorippa palustris* (L.) Besser – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c).
- Sinapis alba* L. – **TUR** (Igarka Village – Malyshev and Peschkova 1994). Alien.
- Sinapis arvensis* L. – **EVEN** (Malyshev and Peschkova 1994). Alien.
- Sisymbrium heteromallum* C.A. Mey. – **EVEN** (Malyshev and Peschkova 1994).
- Sisymbrium loeselii* L. – **EVEN** (Malyshev and Peschkova 1994).
- Sisymbrium polymorphum* (Murray) Roth – **EVEN** (Scherbina 2009).
- Subularia aquatica* L. – **EVEN** (Mironenko et al. 1971).
- Thlaspi arvense* L. – **EVEN** (Malyshev and Peschkova 1994). Alien.
- Turritis glabra* L. – **TUR** (Kuvaev et al. 2001). Alien.

Butomaceae

↑ *Butomus junceus* Turcz. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).

↑ *Butomus umbellatus* L. – **TUR** (Scherbina 2009). **EVEN** (Tunguska Nature Reserve, Podkamennaya Tunguska River bank, 26 June 2014, Yu. Raiskaya (IMCES)).

Campanulaceae

↑ *Adenophora liliifolia* (L.) A.DC. – **TUR** (Scherbina 2009).

↑ *Campanula cervicaria* L. – **EVEN** (Timoshok et al. 2008c).

Campanula glomerata L. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009; Tunguska Nature Reserve, Podkamennaya Tunguska River, rocky bank, 12 July 2006, Yu. Raiskaya (LE)).

Campanula rotundifolia L. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Timoshok et al. 2008c, Scherbina 2009).

Campanula turczaninovii Fed. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009; Tunguska Nature Reserve, Podkamennaya Tunguska River bank, forb-rich meadow, 06 July 2013, Yu. Raiskaya (TK)).

Caprifoliaceae

Linnaea borealis L. – **TUR** (Scherbina 2009). **EVEN** (Pospelova and Pospelov 2007–2026, Timoshok et al. 2008c, Scherbina 2009).

Lonicera altaica Pall. – **TUR** (Scherbina 2009). **EVEN** (Tunguska Nature Reserve, middle course of the Khushma River, dwarf-shrub–green-moss pine–larch forest, 01 July 2008, E. Timoshok (IMCES)).

Lonicera pallasii Ledeb. – **TUR** (Scherbina 2009). **EVEN** (Kuvaev 2006, Timoshok et al. 2008c, Scherbina 2009).

↑ *Patrinia sibirica* (L.) Juss. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).

Valeriana alternifolia Ledeb. – **TUR** (Kuvaev et al. 2001).

Valeriana capitata Pall. ex Link – **EVEN** (Polozhiy and Peschkova 1996).

↑ *Valeriana dubia* Bunge – **TUR** (Kuvaev et al. 2001).

Valeriana paucijuga Sumnev. – **TUR** (Kuvaev et al. 2001).

Valeriana transjensis Kreyer – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).

Caryophyllaceae

Cerastium arvense L. – **TUR** (Scherbina 2009). **EVEN** (Pospelova and Pospelov 2007–2026, Timoshok et al. 2008c, Scherbina 2009).

↓ *Cerastium beeringianum* Cham. & Schltdl. – **TUR** (Kuvaev et al. 2001; Igarka Village, Polyarniy (Igarskiy) Island, wasteland near the airfield, 07 July 1969, V. Ku-

- vaev (MW); Vicinity of Mirnoye Village, Bolshaya Varlamovka, landslide bank, 18 July 1987, V. Kuvaev (MW)). **EVEN** (Kuvaev 1980, Timoshok et al. 2008c). *Cerastium davuricum* Fisch. ex Spreng. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
- Cerastium holosteoides* Fr. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009; Tunguska Nature Reserve, at Chamba River mouth, small-herb spruce forest, 05 July 2010, Yu. Raiskaya (TK)). Alien.
- Cerastium jenisejense* Hultén – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Scherbina 2009; Tunguska Nature Reserve, Podkamennaya Tunguska River terrace, steppe community on scree slope, 11 June 2012, Yu. Raiskaya (LE)).
- Cerastium maximum* L. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- Cerastium pauciflorum* Steven ex Ser. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009). Alien.
- ↑*Cerastium pusillum* Ser. – **EVEN** (Timoshok et al. 2008c).
- Cerastium regelii* Ostenf. – **TUR** (Kuvaev et al. 2001). **EVEN** (Malyshev 1976).
- Cherleria arctica* (Steven ex Ser.) A.J. Moore & Dillenb. – **EVEN** (Kuvaev 1980).
- Cherleria biflora* (L.) A.J. Moore & Dillenb. – **TUR** (Kuvaev et al. 2001). **EVEN** (Malyshev and Peschkova 1993, Scherbina 2009).
- Dianthus repens* Willd. – **TUR** (Scherbina 2009). **EVEN** (Malyshev and Peschkova 1993, Scherbina 2009, Krivobokov 2024).
- ↑*Dianthus superbus* L. – **TUR** (Scherbina 2009).
- Dianthus versicolor* Fisch. ex Link – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- ↓*Eremogone polaris* (Schischk.) Ikonn. – **EVEN** (Malyshev and Peschkova 1993).
- ↑*Eremogone saxatilis* (L.) Ikonn. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- Moehringia lateriflora* (L.) Fenzl – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- ↓*Pseudocherleria macrocarpa* (Pursh) Dillenb. & Kadereit – **EVEN** (Malyshev 1976, Pospelova and Pospelov 2007–2026).
- ↓*Sabulina rubella* (Wahlenb.) Dillenb. & Kadereit – **EVEN** (Malyshev 1976, Pospelova and Pospelov 2007–2026).
- Sabulina stricta* (Sw.) Rchb. – **EVEN** (Pospelova and Pospelov 2007–2026).
- Sabulina verna* (L.) Rchb. – **TUR** (Scherbina 2009). **EVEN** (Pospelova and Pospelov 2007–2026).
- ↓*Sagina nivalis* (Lindblom) Fr. – **EVEN** (Lake Kharpicha – Pospelova and Pospelov 2007–2026).
- ↓*Sagina nodosa* (L.) Fenzl – **EVEN** (Malyshev 1976).
- Sagina saginoides* (L.) H. Karst. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Scherbina 2009).
- Silene amoena* L. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Timoshok et al. 2008c, Scherbina 2009).

- Silene chamarensis* Turcz. – **EVEN** (Malyshev 1976, Kuvaev 2006).
- ↓*Silene involucrata* (Cham. & Schltdl.) Bocquet – **EVEN** (Mironenko et al. 1971, Malyshev 1976).
- Silene jeniseensis* Willd. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009; Tunguska Nature Reserve, Podkamennaya Tunguska River, below a steep scree slope, 14 July 2006, E. Timoshok (LE)).
- ↑*Silene klokovii* Knjaz. (*Otites jenissensis*) – **EVEN** (Timoshok et al. 2008c; Tunguska Nature Reserve, Podkamennaya Tunguska River, below a scree slope, 14 July 2006, E. Timoshok (LE)).
- Silene nasarovii* Chepinoga – **EVEN** (Kuvaev 1980, 2006).
- ↑*Silene nutans* L. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009; Tunguska Nature Reserve, Podkamennaya Tunguska River terrace, larch–pine forest, 05 July 2013, Yu. Raiskaya (LE)).
- Silene orientolimongolica* Kozhev. (*Lychnis sibirica*) – **EVEN** (Scherbina 2009; Tunguska Nature Reserve, vicinity of Lake Peyungda, stony slope, pine forest with *Vaccinium vitis-idaea*, 05 July 2014, Yu. Raiskaya (TK)).
- Silene polaris* Klovov – **EVEN** (Malyshev and Peschkova 1993; Tunguska Nature Reserve, Podkamennaya Tunguska River, below a scree slope, 23 June 2012, Yu. Raiskaya (LE)).
- Silene pratensis* (Rafn) Godr. – **TUR** (Scherbina 2009). Alien.
- ↓*Silene samojedorum* (Sambuk) Oxelman – **EVEN** (Malyshev and Peschkova 1993).
- ↓*Silene taimyrensis* (Tolm.) Bocquet (*S. tayloriae*) **EVEN** (Malyshev 1976, Pospelova and Pospelov 2007–2026).
- Silene vulgaris* (Moench) Garcke – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- Silene wolgensis* (Hornem.) Oth – **EVEN** (Timoshok and Skorokhodov 2008).
- Spergula arvensis* L. – **TUR** (Scherbina 2009). Alien.
- Spergularia rubra* (L.) J. Presl & C. Presl – **TUR** (Scherbina 2009). Alien.
- Stellaria aquatica* (L.) Scop. – **TUR** (Kuvaev et al. 2001).
- Stellaria bungeana* Fenzl – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
- ↓*Stellaria ciliatosepala* Trautv. – **EVEN** (Mironenko et al. 1971, Malyshev 1976).
- Stellaria crassifolia* Ehrh. – **TUR** (Scherbina 2009). **EVEN** (Pospelova and Pospelov 2007–2026, Scherbina 2009).
- ↓*Stellaria crassipes* Hultén – **EVEN** (Pospelova and Pospelov 2007–2026).
- ↓*Stellaria edwardsii* R.Br. – **EVEN** (Malyshev 1976, Pospelova and Pospelov 2007–2026).
- Stellaria fischeriana* Ser. – **EVEN** (Kuvaev 2006, Timoshok et al. 2008a, 2008c, Scherbina 2009).
- Stellaria graminea* L. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
- Stellaria longifolia* Muhl. ex Willd. – **TUR** (Kuvaev et al. 2001). **EVEN** (Mironenko et al. 1971, Krivobokov 2024).
- Stellaria media* (L.) Vill. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009). Alien.

Stellaria palustris Ehrh. ex Hoffm. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).

Stellaria peduncularis Bunge – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Lapshina et al. 1990, Scherbina 2009).

Stellaria radians L. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).

Celastraceae

Parnassia palustris L. – **TUR** (Scherbina 2009). **EVEN** (Malyshev and Peschkova 1994, Scherbina 2009; Tunguska Nature Reserve, vicinity of Lake Peyungda, spruce–larch forest, 03 July 2014, Yu. Raiskaya (TK)).

Parnassia tenuis (Wahlenb.) A. Khokhr. & V.N. Pavlov – **EVEN** (Malyshev and Peschkova 1994).

Ceratophyllaceae

Ceratophyllum demersum L. – **TUR** (Scherbina 2009).

Convolvulaceae

Convolvulus arvensis L. – **EVEN** (Malyshev 1997; Vicinity of Vanavara Village, Podkamennaya Tunguska River, stony shore, 07 Aug. 2009, Yu. Raiskaya, pers. obs.).

Cuscuta epilinum Weihe – **TUR** (Kuvaev et al. 2001). Alien.

Cuscuta europaea L. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009; Tunguska Nature Reserve, Podkamennaya Tunguska River, forb-rich meadow, 01 Aug. 2009, Yu. Raiskaya (TK)). Alien.

Cornaceae

↑*Cornus alba* L. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).

Crassulaceae

Hylotelephium triphyllum (Haw.) Holub – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).

Orostachys spinosa (L.) Sweet – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c).

Phedimus aizoon (L.) 't Hart – **EVEN** (Timoshok et al. 2008c).

Phedimus hybridus (L.) 't Hart – **TUR** (Scherbina 2009).

↓*Rhodiola borealis* Boriss. – **EVEN** (Kuvaev 2006).

Rhodiola rosea L. – **EVEN** (Pospelova and Pospelov 2007–2026, Scherbina 2009; Tunguska Nature Reserve, Chugrim waterfall, rock outcrops, 30 June 2008, Yu. Raiskaya – Raiskaya 2008).

Cyperaceae

Bolboschoenus maritimus (L.) Palla – **TUR** (Scherbina 2009).

Carex accrescens Ohwi – **EVEN** (Peschkova and Malyshev 1990).

Carex acuta L. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).

Carex adelostoma V.I. Krecz. – **EVEN** (Malyshev 1976).

Carex alba Scop. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).

Carex amgunensis F. Schmidt – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009; Tunguska Nature Reserve, middle course of the Chamba River, herb-rich meadow 10 July 2013, Yu. Raiskaya (TK)).

Carex appendiculata (Trautv. & C.A. Mey.) Kük. – **EVEN** (Peschkova and Malyshev 1990, Scherbina 2009; Tunguska Nature Reserve, vicinity of Lake Peyungda, forb-rich stream bank, 03 July 2014, Yu. Raiskaya (TK)).

Carex appropinquata Schumach. – **TUR** (Scherbina 2009).

Carex aquatilis Wahlenb. – **TUR** (Scherbina 2009). **EVEN** (Peschkova and Malyshev 1990, Scherbina 2009; Tunguska Nature Reserve, Podkamennaya Tunguska River, sedge-covered oxbow, 06 July 2014, Yu. Raiskaya (TK)).

↓ *Carex arctisibirica* (Jurtzev) Czerep. – **EVEN** (Kuvaev 1980, 2006).

↑ *Carex arnellii* Christ ex Scheutz – **EVEN** (Tunguska Nature Reserve, Chamba River bank 20 June 2012, Yu. Raiskaya (LE)).

Carex aterrima Hoppe – **EVEN** (Malyshev 1976, Scherbina 2009).

Carex atherodes Spreng. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c).

Carex atrofusca Schkuhr – **EVEN** (Lake Kharpicha – Pospelova and Pospelov 2007–2026).

Carex bicolor Bellardi ex All. – **EVEN** (Scherbina 2009; Tunguska Nature Reserve, Podkamennaya Tunguska River, stony river bank, 25 June 2014, Yu. Raiskaya (TK)).

Carex bohémica Schreb. – **EVEN** (Near Osoba Village, wet road, 27 Aug. 1994, S. Scherbina, pers. obs.).

Carex bonanzensis Britton – **EVEN** (Peschkova and Malyshev 1990).

Carex borealipolaris S.R. Zhang – **EVEN** (Malyshev 1976, Peschkova and Malyshev 1990; Lake Kharpicha, meadow tundra on a rock ledge, 04 July 2023, I. Pospelov (MW)).

Carex brunnescens (Pers.) Poir. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).

Carex buxbaumii Wahlenb. – **TUR** (Middle course of the Bolshaya Lebyazhya River (left tributary of Podkamennaya Tunguska River), moist meadow, 29 Aug. 2024, S. Scherbina (KRSU)). **EVEN** (Scherbina 2009).

- Carex canescens* L. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- Carex capillaris* L. – **EVEN** (Peschkova and Malyshev 1990, Scherbina 2009).
- Carex capitata* L. – **TUR** (Mirnoye Station – Kuvaev et al. 2001). **EVEN** (Lapshina et al. 1990, Peschkova and Malyshev 1990, Timoshok et al. 2008c).
- ↑*Carex caryophyllea* Latourr. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2010).
- Carex cespitosa* L. – **TUR** (Scherbina 2009). **EVEN** (Peschkova and Malyshev 1990, Scherbina 2009; Tunguska Nature Reserve, near Besima River, sedge bog, 30 June 2014, Yu. Raiskaya (TK)).
- Carex chloroleuca* Meinsh. – **EVEN** (Peschkova and Malyshev 1990; Tunguska Nature Reserve, Podkamennaya Tunguska River terrace, dwarf-shrub–green-moss pine forest, 22 July 2012, Yu. Raiskaya (LE)).
- Carex chordorrhiza* L.f. – **TUR** (Scherbina 2009). **EVEN** (Peschkova and Malyshev 1990, Scherbina 2009; Tunguska Nature Reserve, near Lake Peyungda, forb-rich stream bank, 03 July 2014, Yu. Raiskaya (TK)).
- Carex concolor* R.Br. – **EVEN** (Malyshev 1976, Peschkova and Malyshev 1990).
- Carex crassispiculata* (Malyshev) Schekhovts. – **EVEN** (Scherbina 2009, Krivobokov 2024).
- ↑*Carex curaica* Kunth – **EVEN** (Scherbina 2009; Tunguska Nature Reserve, Lake Peyungda, sedge–Sphagnum bog, 03 July 2014, Yu. Raiskaya (TK)).
- ↑*Carex delicata* C.B. Clarke – **EVEN** (Scherbina 2009).
- Carex diandra* Schrank – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- Carex dioica* L. – **TUR** (Scherbina 2009). **EVEN** (Pospelova and Pospelov 2007–2026, Scherbina 2009).
- ↑*Carex disperma* Dewey – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009; Tunguska Nature Reserve, Podkamennaya Tunguska River terrace, sedge-covered marshy patch, 11 July 2018, Yu. Raiskaya (TK)).
- ↑*Carex disticha* Huds. – **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- Carex eleusinoides* Turcz. ex Kunth – **EVEN** (Malyshev 1976, Peschkova and Malyshev 1990).
- ↑*Carex elongata* L. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
- Carex ericetorum* Pollich – **TUR** (Scherbina 2009). **EVEN** (Vasilyev et al. 2003; Tunguska Nature Reserve, Podkamennaya Tunguska River terrace, lingonberry–green-moss pine forest, 10 June 2012, Yu. Raiskaya (LE)).
- ↑*Carex falcata* Turcz. – **EVEN** (Timoshok et al. 2008c).
- Carex* × *friesii* Blytt (*C. rhynchophysa* × *C. rostrata*) – **EVEN** (Peschkova and Malyshev 1990).
- Carex fuscidula* V.I. Krecz. ex T.V. Egorova – **TUR** (Middle course of the Bolshaya Lebyazhaya River (left tributary of Podkamennaya Tunguska River), steep limestone rocky west-facing slope, 20 June 2020, S. Scherbina (TK)). **EVEN** (Peschkova and Malyshev 1990, Mironenko et al. 1971).

- Carex glacialis* Mack. – **EVEN** (Peschkova and Malyshev 1990, Kuvaev 2006).
- Carex globularis* L. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Timoshok et al. 2008c, Scherbina 2009).
- ↓ *Carex gynocrates* Wormsk. – **EVEN** (Kuvaev 2006).
- Carex heleonastes* Ehrh. ex L.f. – **EVEN** (Peschkova and Malyshev 1990, Scherbina 2009).
- ↓ *Carex holostoma* Drejer – **EVEN** (Peschkova and Malyshev 1990, Pospelova and Pospelov 2007–2026).
- Carex juncella* (Fr.) Th.Fr. – **TUR** (Scherbina 2009). **EVEN** (Peschkova and Malyshev 1990, Scherbina 2009; Tunguska Nature Reserve, Lake Peyungda, sedge–Sphagnum bog, 29 June 2014, Yu. Raiskaya (LE)).
- ↑ *Carex kirilovii* Turcz. – **EVEN** (Timoshok et al. 2008c).
- Carex krausei* Boeckeler – **EVEN** (Lake Kharpicha, lawn on a rock ledge, 28 July 2023, I. Pospelov (MW)).
- Carex lachenalii* Schkuhr – **TUR** (Kuvaev et al. 2001). **EVEN** (Pospelova and Pospelov 2007–2026).
- ↑ *Carex lanceolata* Boott – **EVEN** (Scherbina 2009).
- Carex lapponica* O.Lang – **TUR** (Scherbina 2009). **EVEN** (Peschkova and Malyshev 1990; Tunguska Nature Reserve, Chamba River, overgrown oxbow, 29 June 2012, Yu. Raiskaya (LE)).
- Carex lasiocarpa* Ehrh. – **TUR** (Scherbina 2009). **EVEN** (Kuvaev 1980, Scherbina 2009; Tunguska Nature Reserve, near Lake Peyungda, horsetail–dwarf-shrub bog, 03 July 2014, Yu. Raiskaya (LE)).
- Carex laxa* Wahlenb. – **EVEN** (Lake Nyarshingda – Peschkova and Malyshev 1990, Vasilyev et al. 2003; Lake Kharpicha, low terrace, mineral marsh, 14 July 2023, I. Pospelov (MW)).
- Carex ledebouriana* C.A. Mey. ex Trevir. – **EVEN** (Malyshev 1976).
- Carex limosa* L. – **TUR** (Scherbina 2009). **EVEN** (Peschkova and Malyshev 1990, Scherbina 2009; Tunguska Nature Reserve, Lake Peyungda, sedge–cranberry bog, 03 July 2014, Yu. Raiskaya (TK)).
- ↑ *Carex lithophila* Turcz. – **EVEN** (Peschkova and Malyshev 1990).
- Carex loliacea* L. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Scherbina 2009; Tunguska Nature Reserve, Podkamennaya Tunguska River terrace, moist spruce forest, 10 July 2010, Yu. Raiskaya (LE)).
- Carex macrogyna* Turcz. ex Steud. – **EVEN** (Peschkova and Malyshev 1990).
- ↑ *Carex macroura* Meinsh. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- Carex marina* Dewey – **EVEN** (Peschkova and Malyshev 1990).
- ↓ *Carex maritima* Gunnerus – **EVEN** (Mironenko et al. 1971).
- Carex media* R.Br. – **EVEN** (Peschkova and Malyshev 1990, Scherbina 2009; Tunguska Nature Reserve, Lake Peyungda, sedge–Sphagnum bog, 28 June 2014, Yu. Raiskaya (LE)).
- Carex melanocarpa* Cham. ex Trautv. – **EVEN** (Peschkova and Malyshev 1990).

- Carex meyeriana* Kunth – **EVEN** (Northern shore of the Lake Kharpicha, swamp on the terrace, 04 July 2023, I. Pospelov (MW)).
- ↓ *Carex misandra* R.Br. – **EVEN** (Malyshev 1976).
- Carex mollissima* Christ ex Scheutz – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Scherbina 2009).
- Carex myosuroides* Vill. – **EVEN** (Mironenko et al. 1971, Malyshev 1976).
- Carex nigra* (L.) Reichard – **EVEN** (Timoshok et al. 2008c).
- Carex obtusata* Lilj. – **TUR** (Sobolevskaya 1965). **EVEN** (Peschkova and Malyshev 1990).
- Carex omskiana* Meinsh. – **EVEN** (Timoshok et al. 2008c).
- Carex pallescens* L. – **TUR** (Kuvaev et al. 2001).
- ↑ *Carex panicea* L. – **EVEN** (Peschkova and Malyshev 1990).
- ↑ *Carex pauciflora* Lightf. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
- Carex paupercula* Michx. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
- Carex pediformis* C.A. Mey. – **TUR** (25 km south of Bor Village, steep rocky slope, 01 July 2025, S. Scherbina (KRSU)). **EVEN** (Peschkova and Malyshev 1990; Tunguska Nature Reserve, Podkamennaya Tunguska River terrace, pine forest, 11 Juny 2012, Yu. Raiskaya (LE)).
- Carex praecox* Schreb. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- Carex procerula* V.I. Krecz. – **EVEN** (Peschkova and Malyshev 1990).
- Carex quasivaginata* C.B. Clarke – **EVEN** (Kuvaev 1980, 2006).
- ↓ *Carex rariflora* (Wahlenb.) Sm. – **EVEN** (Pospelova and Pospelov 2007–2026).
- Carex redowskiana* C.A. Mey. – **TUR** (Scherbina 2009). **EVEN** (Peschkova and Malyshev 1990, Timoshok et al. 2008c).
- ? *Carex reventa* V.I. Krecz. – **EVEN** (Tunguska Nature Reserve, Khushma River, pine forest, 13 July 2025, L. Krivobokov (KRF)). – Instead of Peschkova and Malyshev (1990), Egorova (1999: 295) expresses doubt about the existence of this species in Siberia.
- Carex rhynchophylla* Fisch., C.A. Mey. & Avé-Lall. – **TUR** (Scherbina 2009). **EVEN** (Kuvaev 2006, Scherbina 2009; Tunguska Nature Reserve, Lake Peyungda, sedge–cranberry bog, 03 July 2014, Yu. Raiskaya (TK)).
- Carex rigidoides* (Gorodkov) V.I. Krecz. – **EVEN** (Peschkova and Malyshev 1990, Pospelova and Pospelov 2007–2026). – The species is known only from Chirinda and Kharpicha Lakes.
- ↑ *Carex riparia* Curtis – **EVEN** (Timoshok et al. 2008c).
- Carex rostrata* Stokes – **TUR** (Scherbina 2009). **EVEN** (Peschkova and Malyshev 1990, Scherbina 2009; Tunguska Nature Reserve, shore of Lake Peyungda, sedge bog, 08 July 2014, Yu. Raiskaya (TK)).
- ↓ *Carex rotundata* Wahlenb. – **EVEN** (Peschkova and Malyshev 1990).
- Carex rupestris* All. – **EVEN** (Peschkova and Malyshev 1990).
- Carex sabynensis* Less. ex Kunth – **TUR** (Scherbina 2009). **EVEN** (Peschkova and Malyshev 1990, Timoshok et al. 2008c, Scherbina 2009).

- Carex schmidtii* Meinsh. – **TUR** (Kuvaev et al. 2001). **EVEN** (Tunguska Nature Reserve, Podkamennaya Tunguska River, sedge bog, 01 July 2012, Yu. Raiskaya (LE)).
- ↑*Carex sedakowii* C.A.Mey. ex Meinsh. – **EVEN** (Scherbina 2009; Tunguska Nature Reserve, Lake Peyungda, sedge–Sphagnum bog, 29 July 2014, Yu. Raiskaya (TK)).
- ↑*Carex sordida* Van Heurck & Müll.Arg. (*C. drymophila* auct.) – **TUR** (Scherbina 2009, Shekhovtsova and Shekhovtsov 2022). **EVEN** (Timoshok et al. 2008c, Shekhovtsova and Shekhovtsov 2022).
- Carex subholarctica* (T.V. Egorova) Melnikov – **EVEN** (Lake Kharpicha, high floodplain of the Kotuy River, sandy hill, 04 July 2023, I. Pospelov (MW)).
- Carex supina* Willd. ex Wahlenb. – **EVEN** (Timoshok et al. 2008c).
- Carex tenuiflora* Wahlenb. – **TUR** (Scherbina 2009). **EVEN** (Peschkova and Malyshev 1990, Scherbina 2009; Tunguska Nature Reserve, middle course of the Chamba River, sedge–Sphagnum bog, 10 July 2013, Yu. Raiskaya (TK)).
- **Carex trautvetteriana* Kom. – **EVEN** (Malyshev 1976, Peschkova and Malyshev 1990). – The species is known only from Lake Darima.
- Carex vaginata* Tausch – **TUR** (Scherbina 2009, as *C. falcata* Turcz.). **EVEN** (Kuvaev 1980, Timoshok et al. 2008c, Scherbina 2009).
- Carex vanheurckii* Müll. Arg. – **EVEN** (Peschkova and Malyshev 1990; Tunguska Nature Reserve, at Chamba River mouth, below a rocky outcrops, 24 June 2014, Yu. Raiskaya (TK)).
- Carex vesicaria* L. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- Carex vesicata* Meinsh. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
- ↑*Carex vulpina* L. – **TUR** (Kuvaev et al. 2001). **EVEN** (Tunguska Nature Reserve, lower course of the Chamba River, sedge overgrown oxbow, 28 June 2012, Yu. Raiskaya (IMCES)).
- Carex williamsii* Britton – **EVEN** (Malyshev 1976, Peschkova and Malyshev 1990).
- Carex acuta* × *C. juncella* – **EVEN** (Peschkova and Malyshev 1990).
- Cyperus fuscus* L. – **TUR** (Scherbina 2009).
- Eleocharis acicularis* (L.) Roem. & Schult. – **TUR** (Scherbina 2009). **EVEN** (Pospelova and Pospelov 2007–2026).
- ↑*Eleocharis klingeii* (Meinsh.) B. Fedtsch. – **EVEN** (Krivobokov 2024).
- Eleocharis mamillata* (H. Lindb.) H. Lindb. – **EVEN** (Peschkova and Malyshev 1990).
- Eleocharis palustris* (L.) Roem. & Schult. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- Eleocharis quinqueflora* (Hartmann) O. Schwarz – **EVEN** (Peschkova and Malyshev 1990, Timoshok et al. 2008c).
- Eleocharis sareptana* Zinserl. – **EVEN** (Peschkova and Malyshev 1990, Timoshok et al. 2008c).

- Eleocharis uniglumis* (Link) Schult. – **TUR** (Scherbina 2009). **EVEN** (Peschkova and Malyshev 1990).
- Eriophorum angustifolium* Honck. – **TUR** (Scherbina 2009). **EVEN** (Lapshina et al. 1990, Peschkova and Malyshev 1990, Scherbina 2009).
- Eriophorum asiaticum* V.N. Vassil. – **EVEN** (Scherbina 2009; Tunguska Nature Reserve, Lake Peyungda, sedge–cranberry bog, 03 July 2014, Yu. Raiskaya (TK)).
- Eriophorum brachyantherum* Trautv. & C.A. Mey. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Timoshok et al. 2008c, Scherbina 2009).
- Eriophorum callitrix* Cham. ex C.A. Mey. – **EVEN** (Malyshev 1976).
- Eriophorum* × *medium* Andersson (*E. russeolum* × *E. scheuchzeri*) – **TUR** (Scherbina 2009). **EVEN** (Peschkova and Malyshev 1990).
- Eriophorum russeolum* Fr. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Scherbina 2009; Tunguska Nature Reserve, middle course of the Chamba River, dwarf-shrub–Sphagnum bog, 10 July 2013, Yu. Raiskaya (TK)).
- Eriophorum scheuchzeri* Hoppe – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Scherbina 2009).
- Eriophorum vaginatum* L. – **TUR** (Scherbina 2009). **EVEN** (Peschkova and Malyshev 1990, Scherbina 2009).
- ↑*Schoenoplectus lacustris* (L.) Palla – **TUR** (Pronkina and Scherbina 1994). **EVEN** (Pronkina and Scherbina 1994).
- ↑*Scirpus radicans* Schkuhr – **TUR** (Scherbina 2017).
- ↑*Scirpus sylvaticus* L. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009; Tunguska Nature Reserve, at Chamba River mouth, sedge overgrown oxbow, 26 June 2019, Yu. Raiskaya (TK)).
- Trichophorum alpinum* (L.) Pers. – **TUR** (Scherbina 2009). **EVEN** (Peschkova and Malyshev 1990, Scherbina 2009).
- Trichophorum cespitosum* (L.) Hartm. – **EVEN** (Peschkova and Malyshev 1990; Lake Kharpicha, mineral swamp in a wet ravine, patches of bare soil, 04 July 2023, I. Pospelov (MW)).

Droseraceae

- Drosera anglica* Huds. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
- Drosera* × *obovata* Mert. & W.D.J. Koch (*D. anglica* × *D. rotundifolia*) – **EVEN** (Malyshev and Peschkova 1994).
- Drosera rotundifolia* L. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009; Tunguska Nature Reserve, dwarf-shrub bog, 11 July 2010, Yu. Raiskaya (TK)).

Ericaceae

- Andromeda polifolia* L. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1997, Scherbina 2009; Vicinity of Vanavara Village, dwarf-shrub–moss spruce–larch forest, 06 July 2012, Yu. Raiskaya, pers. obs.).

- ↓ *Andromeda pumila* (V.M. Vinogr.) Chepinoga – **EVEN** (Kuvaev 2006).
- Arctostaphylos alpina* (L.) Spreng. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1997, Scherbina 2009).
- Arctostaphylos rubra* (Rehder & E.H. Wilson) Fernald – **EVEN** (Mironenko et al. 1971, Kuvaev and Lazarev 1981).
- Arctostaphylos uva-ursi* (L.) Spreng. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c).
- ↓ *Cassiope tetragona* (L.) D. Don – **EVEN** (Malyshev 1976, Kuvaev 2006).
- Chamaedaphne calyculata* (L.) Moench – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- ? *Empetrum hermaphroditum* Hagerup – **EVEN** (Lake Severnoye – Kuvaev 2006). – The record is doubtful.
- Empetrum nigrum* L. s.l. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- Empetrum subholarcticum* V.N. Vassil. – **EVEN** (Malyshev 1976).
- Moneses uniflora* (L.) A.Gray – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- Orthilia obtusata* (Turcz.) Hara – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Scherbina 2009; Tunguska Nature Reserve, vicinity of Lake Peyungda, hill summit, larch–pine forest, 10 July 2014, Yu. Raiskaya (TK)).
- Orthilia secunda* (L.) House – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1997, Timoshok et al. 2008c, Scherbina 2009).
- ↑ *Pyrola chlorantha* Sw. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- ↓ *Pyrola grandiflora* Radius – **EVEN** (Malyshev 1976, Kuvaev 2006).
- Pyrola incarnata* (DC.) Fisch. ex Kom. – **TUR** (Scherbina 2009). **EVEN** (Kuvaev 2006, Timoshok et al. 2008c, Scherbina 2009).
- Pyrola media* Sw. – **EVEN** (Kuvaev and Lazarev 1981, Scherbina 2009).
- Pyrola minor* L. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- Pyrola rotundifolia* L. s.l. – **TUR** (Scherbina 2009). **EVEN** (Kuvaev 1980, Timoshok et al. 2008c, Scherbina 2009).
- Rhododendron aureum* Georgi – **EVEN** (Kuvaev 1980, 2006).
- Rhododendron subarcticum* Harmaja – **EVEN** (Malyshev 1976, 1997).
- Rhododendron tomentosum* Harmaja – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Timoshok et al. 2008c, Scherbina 2009).
- Vaccinium microcarpum* (Turcz. ex Rupr.) Schmalh. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1997, Timoshok et al. 2008c, Scherbina 2009).
- Vaccinium microphyllum* (Lange) Á. Löve – **EVEN** (Pospelova and Pospelov 2007–2026).
- Vaccinium minus* (Lodd.) Maximova – **EVEN** (Kuvaev 1980, 2006).
- Vaccinium myrtillus* L. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).

Vaccinium oxycoccus L. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).

Vaccinium uliginosum L. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1997, Timoshok et al. 2008c, Scherbina 2009).

Vaccinium vitis-idaea L. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1997, Timoshok et al. 2008c, Scherbina 2009).

Euphorbiaceae

Euphorbia borealis Baikov – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).

Euphorbia esula L. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).

Euphorbia gmelinii Steud. – **TUR** (Igarka Village – Chepinoga et al. 2024).

Fabaceae

Astragalus alpinus L. – **TUR** (Scherbina 2009). **EVEN** (Pospelova and Pospelov 2007–2026, Scherbina 2009).

Astragalus danicus Retz. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).

Astragalus frigidus (L.) A.Gray – **EVEN** (Polozhiy and Malyshev 1994, Pronkina and Scherbina 1994).

Astragalus inopinatus Boriss. – **EVEN** (Polozhiy and Malyshev 1994, Krivobokov 2024).

↑*Astragalus mongholicus* Bunge – **EVEN** (Krivobokov 2024).

Astragalus norvegicus Weber – **TUR** (Scherbina 2009). **EVEN** (Polozhiy and Malyshev 1994, Scherbina 2009; Tunguska Nature Reserve, lower course of the Chamba River, horsetail–green-moss fir forest, 11 July 2010, Yu. Raikaya (TK)).

*↓*Astragalus schelichowii* Turcz. – **EVEN** (Malyshev 1976, Pospelova and Pospelov 2007–2026).

Astragalus schumilovae* Polozhiy – **EVEN (Polozhiy and Malyshev 1994, Timoshok et al. 2008a, 2008c, 2023).

↓*Astragalus subpolaris* Boriss. & Schischk. – **EVEN** (Malyshev 1976, Kuvaev 1980).

Astragalus suffruticosus DC. – **EVEN** (Polozhiy and Malyshev 1994, Timoshok et al. 2008a, 2008c).

↓*Astragalus tugarinovii* Basil. – **EVEN** (Mironenko et al. 1971, Kuvaev and Lazarev 1981).

↓*Astragalus umbellatus* Bunge – **EVEN** (Malyshev 1976; Lake Kharpicha, Semyon-Yuryakh Stream mouth terrace, 02 July 2023, I. Pospelov (MW)).

*↑*Astragalus vaginatus* Pall. – **TUR** (Scherbina 2009).

↑*Hedysarum alpinum* L. – **TUR** (Kuvaev et al. 2001). **EVEN** (Timoshok et al. 2008c).

- Hedysarum arcticum* B. Fedtsch. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Timoshok et al. 2008c, Scherbina 2009).
- Hedysarum branthii* Trautv. & C.A. Mey. – **EVEN** (Yurgupchen Stream – Efremov 2021c).
- Hedysarum dasycarpum* Turcz. – **EVEN** (Malyshev 1976, Polozhiy and Malyshev 1994).
- Lathyrus gmelinii* (Fisch. ex Ser.) Fritsch – **TUR** (Kuvaev et al. 2001).
- Lathyrus humilis* (Ser.) Spreng. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- Lathyrus palustris* L. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- Lathyrus pilosus* Cham. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009; Tunguska Nature Reserve, Lake Peyungda, stony shore, 30 June 2014, Yu. Raiskaya (TK)).
- Lathyrus pisiformis* L. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
- Lathyrus pratensis* L. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- Lathyrus vernus* (L.) Bernh. – **EVEN** (Tunguska Nature Reserve, Khushma River, steep bank, 02 June 2007, E. Timoshok (IMCES)).
- Lotus krylovii* Schischk. & Serg. – **TUR** (Floodplain of the Podkamennaya Tunguska River, Podkamennaya Tunguska Settlement, 25 Aug. 2022, L. Krivobokov (KRF)).
- Medicago platycarpus* (L.) Trautv. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
- Melilotus albus* Medik. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009; Vanavara Village, roadside, 09 Aug. 2009, Yu. Raiskaya, pers. obs.). Alien.
- ↓*Oxytropis adamsiana* (Trautv.) Jurtzev – **EVEN** (Northern shore of the Lake Kharpicha, meadow on a cliff by a mountain stream, 21 July 2023, I. Pospelov (MW)).
- Oxytropis candicans* (Pall.) DC. – **TUR** (Kuvaev et al. 2001).
- *↓*Oxytropis czekanowskii* Jurtzev – **EVEN** (Northern shore of Lake Kharpicha, edge of the Khusana River terrace, dry open forest, 04 July 2023, I. Pospelov (MW)).
- **Oxytropis katangensis* Basil. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009, Raiskaya et al. 2020).
- ↓*Oxytropis mertensiana* Turcz. – **EVEN** (Mironenko et al. 1971).
- ↓*Oxytropis middendorffii* Trautv. – **EVEN** (Mironenko et al. 1971, Malyshev 1976).
- ↓*Oxytropis nigrescens* (Pall.) Fisch. ex DC. – **EVEN** (Malyshev 1976).
- *↓*Oxytropis putoranica* M.M.Ivanova – **EVEN** (Malyshev 1976, Pospelova and Pospelov 2007–2026).
- ↓*Oxytropis taimyrensis* (Jurtzev) Á. Löve & D. Löve – **EVEN** (Mironenko et al. 1971, Malyshev 1976).
- *↓*Oxytropis tichomirovii* Jurtzev – **EVEN** (Lake Kharpicha, m meadow tundra on a rock terrace, 04 July 2023, I. Pospelov (MW)).
- Trifolium lupinaster* L. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).

- Trifolium pratense* L. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- Trifolium repens* L. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- Trifolium sativum* (Schreb.) Crome ex Boenn. – **EVEN** (Polozhiy and Malyshev 1994). Alien.
- Trifolium tundricum* (Knjaz.) Knjaz. – **EVEN** (Knyazev 2021b).
- Vicia amoena* Fisch. ex Ser. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
- Vicia cracca* L. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- Vicia megalotropis* Ledeb. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
- Vicia nervata* Sipliv. – **EVEN** (Polozhiy and Malyshev 1994).
- Vicia sepium* L. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
- ↑*Vicia sylvatica* L. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009; Tunguska Nature Reserve, middle coarse of the Chamba River, herb-rich meadow, 10 July 2013, Yu. Raiskaya (TK)).
- ↑*Vicia tenuifolia* Roth – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
- Vicia tetrasperma* (L.) Schreb. – **EVEN** (Polozhiy and Malyshev 1994). Alien.
- ↑*Vicia unijuga* A.Braun – **EVEN** (Tunguska Nature Reserve, middle course of the Chamba River, herb-rich meadow, 10 July 2013, Yu. Raiskaya (TK)).

Gentianaceae

- ↑*Comastoma malyshevii* (Zuev) Zuev – **EVEN** (Lake Kharpicha, damp meadow tundra – Pospelov 2023).
- Comastoma tenellum* (Rottb.) Toyok. – **EVEN** (Mironenko et al. 1971, Malyshev 1976).
- ↑*Gentiana algida* Pall. – **EVEN** (Malyshev 1976).
- ↑*Gentiana aquatica* L. – **EVEN** (Malyshev 1997).
- ↑*Gentiana macrophylla* Pall. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009; Tunguska Nature Reserve, Khushma River bank, limestone dike, 05 June 2007, E. Timoshok (TK)).
- ↑*Gentiana pneumonanthe* L. – **EVEN** (Malyshev 1997: 244).
- Gentiana prostrata* Haenke – **EVEN** (Mironenko et al. 1971, Malyshev 1976).
- Gentianella acuta* (Michx.) Hiitonon – **EVEN** (Malyshev 1997; Tunguska Nature Reserve, Podkamennaya Tunguska River, herb-rich floodplain meadow, 27 June 2019, Yu. Raiskaya (TK)).
- Gentianella amarella* (L.) Börner – **TUR** (Scherbina 2009).
- Gentianopsis barbata* (Froel.) Ma – **TUR** (Scherbina 2009). **EVEN** (Lake Chrinda – Mironenko et al. 1971; Scherbina 2009; Vicinity of Vanavara Village, Podkamennaya Tunguska River, herb-rich floodplain meadow, 01 July 2019, Yu. Raiskaya, pers. obs.).
- Swertia obtusa* Ledeb. – **TUR** (Kuvaev et al. 2001). **EVEN** (Scherbina 2009).

Geraniaceae

Erodium cicutarium (L.) L'Hér. – **TUR** (Scherbina 2009). Alien.

Geranium asiaticum Serg. – **EVEN** (Peschkova 1996; Tunguska Nature Reserve, vicinity of Lake Peyungda, Verkhnyaya Lakura River bank, near dwarf birch thickets, 06 July 2014, Yu. Raiskaya (TK)).

Geranium krylovii Tzvelev – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009; Tunguska Nature Reserve, vicinity of Lake Peyungda, lingonberry–green-moss pine forest, 03 July 2014, Yu. Raiskaya (LE)).

Geranium pratense L. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).

↑*Geranium pseudosibiricum* J.Mayer – **TUR** (Kuvaev et al. 2001). **EVEN** (Timoshok et al. 2008c).

Geranium sergievskajae (Peschkova) Troshkina – **EVEN** (Peschkova 1996).

↑*Geranium sibiricum* L. – **TUR** (Kuvaev et al. 2001). **EVEN** (Vanavara Village, roadside, 01 July 2019, Yu. Raiskaya, pers. obs.).

↑*Geranium sylvaticum* L. – **EVEN** (Peschkova 1996; Tunguska Nature Reserve, at Chamba River mouth, forest edge, 20 June 2019, Yu. Raiskaya (IMCES)).

Grossulariaceae

Ribes glabellum (Trautv. & C.A.Mey.) Hedl. – **TUR** (Kuvaev et al. 2001). **EVEN** (Malyshev 1976).

Ribes nigrum L. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Timoshok et al. 2008c, Scherbina 2009).

Ribes procumbens Pall. – **EVEN** (Malyshev and Peschkova 1994, Timoshok et al. 2008c).

Ribes spicatum E. Robson – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).

↓*Ribes triste* Pall. – **EVEN** (Malyshev 1976, Malyshev and Peschkova 1994).

Ribes nigrum × *R. procumbens* – **EVEN** (Malyshev and Peschkova 1994).

Haloragaceae

Myriophyllum sibiricum Kom. – **TUR** (Kuvaev et al. 2001). **EVEN** (Scherbina 2009).

Myriophyllum spicatum L. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).

Myriophyllum verticillatum L. – **TUR** (Peschkova 1996). **EVEN** (Peschkova 1996).

Hydrocharitaceae

↑*Elodea canadensis* Michx. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009). Alien.

↑*Hydrocharis morsus-ranae* L. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).

Hypericaceae

- ↑*Hypericum ascyron* L. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
Hypericum gebleri Ledeb. – **EVEN** (3 km down from Kuzmovka Village, Podkamennaya Tunguska River bank, 26 July 1990, G. Pronkina (det. N. Gamova); MW0110585).
 ↑*Hypericum hirsutum* L. – **TUR** (Scherbina 2009).

Iridaceae

- *↑*Iris bloudowii* Ledeb. – **EVEN** (Timoshok et al. 2008a, 2008c).
Iris setosa Pall. ex Link – **EVEN** (Malyshev and Peschkova 1987).

Juncaceae

- Juncus albescens* (Lange) Fernald – **EVEN** (Malyshev and Peschkova 1987).
Juncus alpinoarticulatus Chaix s.str. – **EVEN** (Malyshev 1976).
Juncus arcticus Willd. – **EVEN** (Malyshev 1976, Scherbina 2009).
Juncus biglumis L. – **EVEN** (Malyshev and Peschkova 1987).
Juncus brachyspathus Maxim. – **TUR** (Kuvaev et al. 2001). **EVEN** (Malyshev 1976, Timoshok et al. 2008c).
Juncus bufonius L. – **TUR** (Scherbina 2009). **EVEN** (Malyshev and Peschkova 1987).
Juncus castaneus Sm. – **TUR** (Malyshev 1976), **EVEN** (Malyshev and Peschkova 1987).
Juncus compressus Jacq. – **TUR** (Malyshev and Peschkova 1987). **EVEN** (Malyshev and Peschkova 1987).
Juncus filiformis L. – **TUR** (Scherbina 2009). **EVEN** (Malyshev and Peschkova 1987, Scherbina 2009).
Juncus fischerianus Turcz. ex V.I.Krecz. (*J. alpinoarticulatus* auct.) – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009; Tunguska Nature Reserve, Podkamennaya Tunguska River, stony shore, 04 July 2014, Yu. Raiskaya (TK)).
Juncus leucochlamys W.J. Zinger ex V.I. Krecz. – **EVEN** (Malyshev and Peschkova 1987).
 ↓*Juncus longirostris* Kuvaev – **EVEN** (Kuvaev 2006).
Juncus minutulus (Albert & Jahand.) Prain – **EVEN** (Malyshev and Peschkova 1987).
Juncus nodulosus Wahlenb. – **TUR** (Scherbina 2009).
Juncus stygius L. – **TUR** (Scherbina 2009).
Juncus triglumis L. – **EVEN** (Malyshev and Peschkova 1987).
Luzula confusa Lindeb. – **EVEN** (Malyshev 1976, Malyshev and Peschkova 1987).
Luzula frigida (Buchenau) Sam. – **EVEN** (Kuvaev 1980).
 ↓*Luzula kjellmaniana* Miyabe & Kudô – **EVEN** (Kuvaev 1980, 2006).
Luzula multiflora (Ehrh.) Lej. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
Luzula nivalis (Laest.) Spreng. – **EVEN** (Malyshev and Peschkova 1987).

Luzula pallescens Sw. – **TUR** (Malyshev and Peschkova 1987). **EVEN** (Malyshev and Peschkova 1987, Timoshok et al. 2008c).

Luzula parviflora (Ehrh.) Desv. – **EVEN** (Malyshev 1976, Scherbina 2009).

Luzula pilosa (L.) Willd. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).

Luzula rufescens Fisch. ex E. Mey. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).

Luzula sibirica (V.I.Krecz.) V.I. Krecz. – **TUR** (Scherbina 2009). **EVEN** (Malyshev and Peschkova 1987, Scherbina 2009).

Juncaginaceae

Triglochin maritima L. – **TUR** (Kuvaev et al. 2001). **EVEN** (Krasnoborov 1988).

Triglochin palustris L. – **TUR** (Scherbina 2009). **EVEN** (Mironenko et al. 1971, Malyshev 1976, Scherbina 2009).

Lamiaceae

Dracocephalum nutans L. – **TUR** (Scherbina 2009). **EVEN** (Kuvaev 1980, Timoshok et al. 2008c, Scherbina 2009).

Dracocephalum thymiflorum L. – **EVEN** (Malyshev 1997). Alien.

Galeopsis bifida Boenn. – **TUR** (Scherbina 2009). Alien.

Galeopsis speciosa Mill. – **TUR** (Kuvaev et al. 2001). Alien.

Glechoma hederacea L. – **TUR** (Scherbina 2009). Alien.

Lamium album L. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009; Tunguska Nature Reserve, vicinity of Lake Peyungda, Verkhnyaya Lakura River bank, forb-rich meadow, 03 July 2014, Yu. Raiskaya (TK)).

Lamium asiaticum Melnikov – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).

Leonurus quinquelobatus Gilib. – **EVEN** (Vanavara Village, roadside, 14 July 2025, L. Krivobokov, pers. obs. (KRF)). Alien.

Lycopus europaeus L. – **TUR** (Right bank of the Yenisei River, opposite Starodubovskiy Island, shore of a lake, Aug. 2022, S. Scherbina (KRSU)). **EVEN** (Tunguska Nature Reserve, middle course of the Chamba River, herb-rich pine-larch forest, 09 July 2013, Yu. Raiskaya (TK)).

Mentha arvensis L. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).

↑ *Origanum vulgare* L. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1997).

↑ *Phlomis tuberosa* (L.) Moench – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).

Prunella vulgaris L. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1997). Alien.

↑ *Scutellaria galericulata* L. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009; Tunguska Nature Reserve, stony shore of Lake Peyungda, 08 July 2014, Yu. Raiskaya (TK)).

* *Scutellaria ikonnikovii* Juz. – **EVEN** (Malyshev 1997).

- ↑*Stachys aspera* Michx. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- Stachys palustris* L. – **TUR** (Scherbina 2009). **EVEN** (Tunguska Nature Reserve, Podkamennaya Tunguska River, at Chamba River mouth, stony shore, 24 June 2019, Yu. Raiskaya (TK)).
- *↑*Stachys sylvatica* L. – **EVEN** (Tunguska Nature Reserve, at Chamba River mouth, larch–pine forest edge, 26 June 2019, Yu. Raiskaya (TK)).
- Thymus evenkiensis* Byczenn. – **EVEN** (Malyshev 1997, Timoshok et al. 2008c).
- ↓*Thymus extremus* Klovov – **EVEN** (Kuvaev 1980, 2006).
- Thymus jenseisensis* Iljin – **TUR** (South of Bor Village, rock outcrops on the left riverside of the Yenissei River, 23 July 1991, G. Pronkina; det. V. Vasyukov (MW)). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- ↑*Thymus mongolicus* (Ronniger) Ronniger – **TUR** (Scherbina 2009).
- ↑*Thymus proximus* Serg. – **TUR** (Kuvaev et al. 2001).
- Thymus purpureoviolaceus* Byczenn. & Kuvaev – **EVEN** (Kuvaev 1980, Malyshev 1997).
- Thymus putoranicus* Byczenn. & Kuvaev – **EVEN** (Kuvaev 1980, Malyshev 1997).
- ↓*Thymus reverdattoanus* Serg. – **EVEN** (Malyshev 1997).
- Thymus sibiricus* (Serg.) Klovov & Des.-Shost. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).

Lentibulariaceae

- ↓*Pinguicula algida* Malyshev – **EVEN** (Malyshev 1976).
- Pinguicula alpina* L. – **EVEN** (Pospelova and Pospelov 2007–2026, Scherbina 2009).
- Pinguicula spathulata* Ledeb. – **EVEN** (Krivobokov 2024).
- Pinguicula villosa* L. – **TUR** (Pospelova and Pospelov 2007–2026, Scherbina 2009). **EVEN** (Malyshev 1976, Scherbina 2009).
- Pinguicula vulgaris* L. – **EVEN** (Malyshev 1976, Polozhiy and Peschkova 1996).
- Utricularia intermedia* Hayne – **TUR** (Scherbina 2009). **EVEN** (Mironenko et al. 1971, Lapshina et al. 1990).
- Utricularia minor* L. – **TUR** (Scherbina 2009). **EVEN** (Pospelova and Pospelov 2007–2026, Scherbina 2009; Tunguska Nature Reserve, at Verkhnyaya Lakura River mouth, in water, 12 July 2018, Yu. Raiskaya (IMCES)).
- Utricularia vulgaris* L. – **TUR** (Scherbina 2009). **EVEN** (Pospelova and Pospelov 2007–2026, Scherbina 2009).

Liliaceae

- ↑*Gagea granulosa* Turcz. – **TUR** (Mouth of Podkamennaya Tunguska River, meadow on the left riverside, 07 June 2025, S. Scherbina (KRSU)).
- Gagea serotina* (L.) Ker Gawl. – **EVEN** (Malyshev 1976, Scherbina 2009).

*↑*Lilium pensylvanicum* Ker Gawl. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).

Lilium pilosiusculum (Freyn) Misch. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).

Linaceae

Linum komarovii* Juz. – **TUR (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).

Linum perenne L. – **EVEN** (Krivobokov 2024).

Lythraceae

Lythrum virgatum L. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).

Melanthiaceae

Anticlea sibirica (L.) Kunth – **EVEN** (Malyshev and Peschkova 1987).

↑*Paris quadrifolia* L. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).

Veratrum lobelianum Bernh. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).

↓*Veratrum misae* (Širj.) O. Loes. – **EVEN** (Kuvaev and Lazarev 1981).

↑*Veratrum nigrum* L. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).

Veratrum oxysepalum Turcz. – **TUR** (Kuvaev et al. 2001). **EVEN** (Malyshev 1976).

Menyanthaceae

Menyanthes trifoliata L. – **TUR** (Scherbina 2009). **EVEN** (Mironenko et al. 1971, Malyshev 1976, Timoshok et al. 2008c, Scherbina 2009).

↑*Nymphoides peltata* (S.G. Gmel.) Kuntze – **TUR** (Yenisei River, shallow water downstream of Vampey Island, 27 July 2019, S. Scherbina (KRSU)).

Montiaceae

Claytonia joanneana Schult. – **EVEN** (Malyshev 1976, Kuvaev 2006).

Nymphaeaceae

Nuphar lutea (L.) Sm. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009; Tunguska Nature Reserve, Lake Peyungda, in water, 08 July 2014, Yu. Raiskaya (LE)).

Nuphar pumila* (Timm) DC. – **TUR (Scherbina 2009). **EVEN** (Raiskaya et al. 2020).

Nymphaea tetragona* Georgi – **TUR (Scherbina 2009). **EVEN** (Malyshev and Peshkova 1993; Tunguska Nature Reserve, Lake Peyungda, in water, 06 July 2014, Yu. Raiskaya (LE)).

Onagraceae

Chamaenerion angustifolium (L.) Scop. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Timoshok et al. 2008c, Scherbina 2009).

Chamaenerion latifolium (L.) Sweet – **EVEN** (Malyshev 1976, Scherbina 2009).

†*Circaea alpina* L. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).

Epilobium davuricum Fisch. ex Hornem. – **EVEN** (Malyshev 1976, Scherbina 2017).

*†*Epilobium montanum* L. – **EVEN** (Raiskaya et al. 2020).

Epilobium palustre L. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Scherbina 2009; Tunguska Nature Reserve, Lake Peyungda, damp shore, 08 July 2014, Yu. Raiskaya (TK)).

Orchidaceae

***Calypso bulbosa* (L.) Oakes – **EVEN** (Timoshok et al. 2008b, 2016, Scherbina 2009).

Corallorhiza trifida Châtel. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Scherbina 2009; Tunguska Nature Reserve, Podkamennaya Tunguska River terrace, larch forest, 10 July 2010, Yu. Raiskaya – Raiskaya 2010).

†*Cypripedium calceolus* L. – **EVEN (Timoshok et al. 2008b, 2016, Scherbina 2009).

Cypripedium guttatum* Sw. – **TUR (Scherbina 2009). **EVEN** (Timoshok et al. 2008b, 2016, Scherbina 2009).

†*Cypripedium macranthos* Sw. – **TUR (Scherbina 2009). **EVEN** (Timoshok et al. 2008b, 2016, Scherbina 2009).

†*Cypripedium* × *ventricosum* Sw. (*C. calceolus* × *C. macranthos*) – **EVEN (Timoshok et al. 2016).

Dactylorhiza fuchsii (Druce) Soó – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009; Tunguska Nature Reserve, Podkamennaya Tunguska River terrace, dwarf-shrub–green-moss pine forest, 01 July 2014, Yu. Raiskaya – Raiskaya 2014a).

†*Dactylorhiza incarnata* (L.) Soó – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008b, 2016, Scherbina 2009).

Dactylorhiza maculata (L.) Soó – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009; Tunguska Nature Reserve, hill slope, lingonberry–green-moss pine forest, 09 July 2010, Yu. Raiskaya (TK)).

*†*Dactylorhiza sibirica* Efimov – **TUR** (Scherbina 2009). **EVEN** (Tunguska Nature Reserve, Podkamennaya Tunguska River bank, herb-rich floodplain meadow, 24 June 2019, Yu. Raiskaya, (IMCES)).

***Dactylorhiza traunsteineri* (Saut. ex Rchb.) Soó (*D. russowii* auct.) – **EVEN** (Scherbina 2009).

Dactylorhiza viridis (L.) R.M. Bateman, Pridgeon & M.W. Chase – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).

*↑*Epipactis helleborine* (L.) Crantz – **EVEN** (Scherbina 2009, Timoshok et al. 2016).

*↑*Epipactis palustris* (L.) Crantz – **TUR** (Bolshoe Varlamovskoye Swamp – Kuvaev et al. 2001).

↑*Epipogium aphyllum* Sw. – **TUR (Kuvaev et al. 2001). **EVEN** (Tunguska Nature Reserve, hill summit, lingonberry–green-moss pine forest, 28 June 2019, Yu. Raiskaya, pers. obs.).

Goodyera repens (L.) R. Br. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Timoshok et al. 2008b, Scherbina 2009).

Gymnadenia conopsea (L.) R. Br. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008b, Scherbina 2009).

Hammarbya paludosa* (L.) Kuntze – **TUR (Scherbina 2009).

Hermidium monorchis (L.) R. Br. – **EVEN** (Lapshina et al. 1990, Timoshok et al. 2008b, Scherbina 2009).

Neottia cordata (L.) Rich. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).

*↑*Neottia ovata* (L.) Bluff & Fingerh. – **TUR** (Bolshoe Varlamovskoye Swamp – Kuvaev et al. 2001). **EVEN** (Scherbina 2009).

↑*Platanthera bifolia* (L.) Rich. – **TUR** (Scherbina 2009).

↑*Platanthera oligantha* Turcz. – **EVEN** (Malyshev and Peschkova 1987).

Spiranthes australis (R.Br.) Lindl. – **EVEN** (Malyshev and Peschkova 1987).

Orobanchaceae

Boschniakia rossica (Cham. & Schltdl.) B. Fedtsch. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Timoshok et al. 2008c, Scherbina 2009).

↓*Castilleja arctica* Krylov & Serg. – **EVEN (Pospelova and Pospelov 2007–2026).

↓*Castilleja hyparctica* Rebrist. – **EVEN** (Polozhiy and Peschkova 1996).

↓*Castilleja rubra* (Drobow) Rebrist. – **TUR** (Near Igarka Town, Sovkhozny Island, riverbed part of the Yenisei River, steep sandy slope, 02 Aug. 1949, A.P. Tyrtikov (MW)). **EVEN** (Lake Kharpicha – Pospelova and Pospelov 2007–2026).

↑*Euphrasia altaica* Serg. – **TUR** (Kuvaev et al. 2001). **EVEN** (Scherbina 2009).

Euphrasia hyperborea Jørg. – **EVEN** (Scherbina 2009).

Euphrasia jacutica Juz. – **EVEN** (Scherbina 2009).

Euphrasia pectinata Ten. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).

Euphrasia stricta J.P. Wolff ex J.F. Lehm. – **EVEN** (Timoshok et al. 2008c).

Euphrasia subpolaris Juz. – **EVEN** (Timoshok et al. 2008c).

Melampyrum pratense L. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).

↓*Pedicularis albolabiata* (Hultén) Kozhev. – **EVEN** (Polozhiy and Peschkova 1996, Pospelova and Pospelov 2007–2026).

↓*Pedicularis alopecuroides* Adams ex Steven – **EVEN** (Polozhiy and Peschkova 1996).

Pedicularis amoena Adams ex Steven – **EVEN** (Polozhiy and Peschkova 1996).

- ↓*Pedicularis capitata* Adams – **EVEN** (Polozhiy and Peschkova 1996).
Pedicularis compacta Stephan ex Willd. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
 ↓*Pedicularis dasyantha* Hadač – **EVEN** (Malyshev 1976).
 ↓*Pedicularis hirsuta* L. – **EVEN** (Malyshev 1976).
Pedicularis incarnata L. – **TUR** (Scherbina 2009). **EVEN** (Polozhiy and Peschkova 1996, Scherbina 2009).
Pedicularis interioroides (Hultén) A.P. Khokhr. – **TUR** (Scherbina 2009). **EVEN** (Pospelova and Pospelov 2007–2026).
Pedicularis karoii Freyn – **TUR** (Scherbina 2009). **EVEN** (Polozhiy and Peschkova 1996, Scherbina 2009; Tunguska Nature Reserve, Podkamennaya Tunguska River, wet floodplain meadow, 26 June 2019, Yu. Raiskaya (TK)).
Pedicularis labradorica Wirsing – **TUR** (Scherbina 2009). **EVEN** (Kuvaev 2006, Timoshok et al. 2008c, Scherbina 2009).
Pedicularis lapponica L. – **EVEN** (Polozhiy and Peschkova 1996).
 ↑*Pedicularis lasiostachys* Bunge – **TUR** (Kuvaev et al. 2001).
Pedicularis oederi Vahl – **EVEN** (Kuvaev 1980, 2006).
 ↓*Pedicularis pennellii* Hultén – **EVEN** (Polozhiy and Peschkova 1996).
 ↑*Pedicularis resupinata* L. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
Pedicularis sceptrum-carolinum L. – **EVEN** (Polozhiy and Peschkova 1996).
 ↑*Pedicularis sibirica* Vved. – **EVEN** (Scherbina 2009).
Pedicularis verticillata L. – **EVEN** (Malyshev 1976, Scherbina 2009).
Rhinanthus aestivalis (N.W. Zinger) Schischk. & Serg. – **EVEN** (Tunguska Nature Reserve, middle course of Besima River, herb-rich meadow, 09 July 2014, Yu. Raiskaya (TK)).
 ↑*Rhinanthus serotinus* (Schönh.) Oborny – **TUR** (Kuvaev et al. 2001).
Rhinanthus vernalis (N.W. Zinger) Schischk. & Serg. – **EVEN** (Scherbina 2009).

Oxalidaceae

- ↑*Oxalis acetosella* L. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).

Paeoniaceae

- Paeonia anomala* L. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).

Papaveraceae

- Chelidonium majus* L. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009). Alien.
 *↓*Corydalis arctica* Popov – **EVEN** (Mironenko et al. 1971, Malyshev and Peschkova 1994).

- Corydalis bracteata* (Steph. ex Willd.) Pers. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
- Corydalis capnoides* (L.) Pers. – **EVEN** (Yurgupchen Stream – Efremov 2021a, 2021b).
- Corydalis gracilis* Ledeb. – **EVEN** (Mikhailova 2008).
- Corydalis sibirica* (L.f.) Pers. – **EVEN** (Malyshev and Peschkova 1994; Tunguska Nature Reserve, lower course of the Chamba River, soil scree, 28 June 2012, Yu. Raiskaya (IMCES)).
- *↑*Corydalis subjenisseensis* E.M. Antipova – **TUR** (Kuvaev et al. 2001).
- ↓*Oreomecon angustifolia* (Tolm.) Krivenko – **EVEN** (Pospelova and Pospelov 2007–2026).
- Oreomecon jacutica* (Peschkova) Krivenko – **EVEN** (Scherbina 2009).
- ↓*Oreomecon minutiflora* (Tolm.) Krivenko – **EVEN** (Lake Kharpicha, middle mountain belt, rocky slope, 03 July 2023, I. Pospelov (MW)).
- Oreomecon nudicaulis* (L.) Banfi, Bartolucci, J.-M. Tison & Galasso – **EVEN** (Tunguska Nature Reserve, Podkamennaya Tunguska River, herb-rich floodplain meadow, 24 June 2012, Yu. Raiskaya (TK)).
- ↓*Oreomecon orientalis* (Tolm.) Krivenko – **EVEN** (Mironenko et al. 1971, Kuvaev 2006).
- ↓*Oreomecon pulvinata* (Tolm.) Krivenko – **EVEN** (Pospelova and Pospelov 2007–2026).
- ↓*Oreomecon variegata* (Tolm.) Krivenko – **EVEN** (Malyshev 1976, Malyshev and Peschkova 1994).

Plantaginaceae

- Callitriche hermaphroditica* L. – **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- Callitriche palustris* L. (*C. anceps* auct.) – **TUR** (Kuvaev et al. 2001). **EVEN** (Polozhiy and Peschkova 1996).
- Hippuris vulgaris* L. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Timoshok et al. 2008c, Scherbina 2009).
- ↓*Lagotis minor* (Willd.) Standl. – **EVEN** (Malyshev 1976).
- Linaria acutiloba* Fisch. ex Rchb. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- ↑*Linaria vulgaris* Mill. – **EVEN** (Polozhiy and Peschkova 1996).
- Plantago depressa* Willd. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
- Plantago major* L. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009). Alien.
- Plantago media* L. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c). Alien.
- ↑*Plantago uliginosa* F.W. Schmidt – **TUR** (Scherbina 2009). **EVEN** (Tunguska Nature Reserve, Podkamennaya Tunguska River, at Chamba River mouth, sandy bank, 09 July 2010, Yu. Raiskaya (TK)).

Plantago urvillei Opiz – **TUR** (Scherbina 2009). **EVEN** (Tunguska Nature Reserve, middle course of the Chamba River, forb meadow, 10 July 2013, Yu. Raiskaya (TK)).

↑ *Veronica anagallis-aquatica* L. – **TUR** (Bor Village, Yenisei River bank, Aug. 2022, S. Scherbina (KRSU)). **EVEN** (Polozhiy and Peschkova 1996).

Veronica chamaedrys L. – **TUR** (Near Bor Village, a hay meadow, Aug. 2022, S. Scherbina (KRSU)).

↑ *Veronica incana* L. – **EVEN** (Timoshok et al. 2008c, Scherbina 2009).

Veronica longifolia L. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Timoshok et al. 2008c, Scherbina 2009).

↑ *Veronica scutellata* L. – **TUR** (Kuvaev et al. 2001).

Veronica serpyllifolia L. – **TUR** (Scherbina 2017; Bor Village, Aug. 2022, S. Scherbina (KRSU)).

Plumbaginaceae

↓ *Armeria scabra* Pall. ex Schult. – **EVEN** (Malyshev 1976, 1997).

Poaceae

Agrostis capillaris L. – **TUR** (Scherbina 2009).

Agrostis clavata Trin. – **TUR** (Scherbina 2009). **EVEN** (Kuvaev 2006, Scherbina 2009; Tunguska Nature Reserve, Podkamennaya Tunguska River bank, rock outcrops, 27 June 2014, Yu. Raiskaya (TK)).

Agrostis gigantea Roth – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).

Agrostis jacutica Schischk. – **EVEN** (Malyshev and Peshkova 1990).

Agrostis kudoii Honda – **EVEN** (Kuvaev 2006, Scherbina 2009).

Agrostis sibirica Petrov – **EVEN** (Malyshev and Peshkova 1990).

Agrostis stolonifera L. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009; Tunguska Nature Reserve, near Lake Peyungda, damp shore, 04 July 2014, Yu. Raiskaya (TK)).

Agrostis trinii Turcz. – **EVEN** (Timoshok et al. 2008c, Scherbina 2009).

Agrostis syreistschikowii P.A. Smirn. (*A. vinealis* auct.) – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).

Alopecurus aequalis Sobol. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Kuvaev 2006; Tunguska Nature Reserve, near Lake Peyungda, sedge bog, 01 July 2014, Yu. Raiskaya (TK)).

Alopecurus borealis Trin. – **EVEN** (Malyshev 1976, Malyshev and Peshkova 1990).

Alopecurus pratensis L. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).

Anthoxanthum alpinum Á. Löve & D. Löve – **TUR** (Scherbina 2009). **EVEN** (Malyshev and Peschkova 1990, Scherbina 2009).

- Anthoxanthum glabrum* (Trin.) Veldkamp – **EVEN** (Ekonda Settlement, ruderal community, 22 July 2018, L. Krivobokov (KRF)).
- Anthoxanthum monticola* (Bigelow) Veldkamp – **EVEN** (Malyshev 1976, Scherbina 2009).
- Anthoxanthum panarcticum* Chepinoga (*Hierochloe arctica*) – **EVEN** (Malyshev and Peshkova 1990; Tunguska Nature Reserve, at Chamba River mouth, stony bank, 22 June 2012, Yu. Raiskaya (IMCES)).
- Anthoxanthum praetermissum* (G. Weim.) Chepinoga – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
- Anthoxanthum sibiricum* (Tzvelev) Chepinoga – **EVEN** (Malyshev and Peshkova 1990).
- Arctagrostis arundinacea* (Trin.) Beal – **TUR** (Malyshev and Peshkova 1990). **EVEN** (Malyshev and Peshkova 1990).
- Arctagrostis latifolia* (R.Br.) Griseb. – **EVEN** (Malyshev and Peshkova 1990, Scherbina 2010).
- Beckmannia eruciformis* (L.) Host – **EVEN** (Malyshev and Peshkova 1990).
- Beckmannia syzigachne* (Steud.) Fernald – **TUR** (Kuvaev et al. 2001). **EVEN** (Vicinity of Vanavara Village, grass community, 08 July 2008, Yu. Raiskaya (TK)).
- †*Brachypodium pinnatum* (L.) P. Beauv. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
- Bromus inermis* Leyss. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- Bromus sibiricus* Drobow – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009; Tunguska Nature Reserve, Podkamennaya Tunguska River, below rock outcrops, 26 June 2014, Yu. Raiskaya (TK)).
- Calamagrostis epigejos* (L.) Roth – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- Calamagrostis groenlandica* (Schrank) Kunth – **EVEN** (Mironenko et al. 1971, Kuvaev 2006).
- Calamagrostis holmii* Lange – **EVEN** (Pospelova and Pospelov 2007–2026, Scherbina 2009).
- Calamagrostis langsдорffii* (Link) Trin. – **TUR** (Scherbina 2009). **EVEN** (Malyshev and Peshkova 1990, Timoshok et al. 2008c, Scherbina 2009).
- Calamagrostis lapponica* (Wahlenb.) Hartm. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Scherbina 2009).
- Calamagrostis neglecta* G. Gaertn., B. Mey. & Scherb. – **TUR** (Scherbina 2009). **EVEN** (Malyshev and Peshkova 1990, Scherbina 2009).
- Calamagrostis obtusata* Trin. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- Calamagrostis pavlovii* (Roshev.) Roshev. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- Calamagrostis phragmitoides* Hartm. – **TUR** (Kuvaev et al. 2001). **EVEN** (Scherbina 2009).

- Calamagrostis purpurascens* R. Br. – **EVEN** (Malyshev 1976, Kuvaev 2006).
- Calamagrostis purpurea* (Trin.) Trin. – **TUR** (Scherbina 2009). **EVEN** (Mironenko et al 1971, Scherbina 2009; Tunguska Nature Reserve, middle course of the Chamba River, herb-rich-grass meadow, 05 July 2013, Yu. Raiskaya (TK)).
- ↑*Cinna latifolia* (Trevir.) Griseb. – **TUR** (Scherbina 2009).
- Dactylis glomerata* L. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009). Alien.
- Deschampsia borealis* (Trautv.) Roshev. – **EVEN** (Malyshev and Peshkova 1990).
- Deschampsia brevifolia* R.Br. – **EVEN** (Malyshev 1976, Malyshev and Peshkova 1990).
- Deschampsia cespitosa* (L.) P. Beauv. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009, Krivobokov 2024).
- Deschampsia glauca* Hartm. – **EVEN** (Malyshev and Peshkova 1990).
- Deschampsia obensis* Roshev. – **EVEN** (Malyshev and Peshkova 1990).
- Deschampsia submutica* O.D. Nikif. – **EVEN** (Malyshev and Peshkova 1990).
- Deschampsia sukatschewii* (Popl.) Roshev. – **EVEN** (Malyshev 1976).
- Dupontia fulva* (Trin.) Röser & Tkach – **EVEN** (Malyshev 1976).
- Echinochloa crus-galli* (L.) P. Beauv. – **TUR** (Right bank of the Middle Yenisei River, between Bakhta Village and Malaya Rechka stream, riverbank, 26 July 1994, V. Kuvaev; MW0019643). Alien.
- × *Elyhordeum chatangense* (Roshev.) Tzvelev (*Elymus macrourus* × *Hordeum jubatum*) – **EVEN** (Lake Essey – Tzvelev and Probatova 2019).
- ↑*Elymus caninus* (L.) L. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
- Elymus fibrosus* (Schrenk) Tzvelev – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- Elymus irtutensis* Peschkova – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c).
- ↑*Elymus jacutensis* (Drobow) Tzvelev – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Scherbina 2009; Tunguska Nature Reserve, middle course of the Chamba River, forb meadow, 10 July 2013, Yu. Raiskaya (TK)).
- ↑*Elymus komarovii* (Nevski) Tzvelev – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
- Elymus kronokensis* (Kom.) Tzvelev – **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- ↓*Elymus lenensis* (Popov) Tzvelev – **EVEN** (Tzvelev and Probatova 2019).
- Elymus macrourus* (Turcz.) Tzvelev – **TUR** (Scherbina 2009). **EVEN** (Pospelova and Pospelov 2007–2026, Scherbina 2009; Tunguska Nature Reserve, Podkamen-naya Tunguska River, at Chamba River mouth, rock outcrops, 27 June 2014, Yu. Raiskaya (TK)).
- Elymus mutabilis* (Drobow) Tzvelev – **TUR** (Scherbina 2009). **EVEN** (Malyshev and Peschkova 1990, Timoshok et al. 2008c, Scherbina 2009).
- Elymus peschkovae* Tzvelev – **EVEN** (Pronkina and Scherbina 1994, Pospelova and Pospelov 2007–2026, Scherbina 2009).
- Elymus repens* (L.) Gould – **TUR** (Scherbina 2009).

- Elymus scandicus* (Nevski) Tzvelev – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Scherbina 2009).
- Elymus sibiricus* L. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
- Elymus subfibrosus* (Tzvelev) Tzvelev – **TUR** (Scherbina 2009). **EVEN** (Pospelova and Pospelov 2007–2026, Scherbina 2009).
- Elymus transbaicalensis* (Nevski) Tzvelev – **EVEN** (Pospelova and Pospelov 2007–2026, Timoshok et al. 2008c, Scherbina 2009).
- Elymus turuchanensis* (Reverd.) Czerep. – **EVEN** (Mironenko et al 1971, Malyshev 1976).
- Eragrostis pilosa* (L.) P. Beauv. – **TUR** (Scherbina 2009).
- Festuca altaica* Trin. ex Ledeb. – **EVEN** (Malyshev and Peschkova 1990, Krivobokov 2024).
- Festuca auriculata* Drobow – **EVEN** (Pospelova and Pospelov 2007–2026).
- Festuca brachyphylla* Schult. & Schult.f. – **EVEN** (Malyshev 1976).
- ↑*Festuca kryloviana* Reverd. – **EVEN** (Tunguska Nature Reserve, at Chamba River mouth, rock outcrops, 11 June 2012, Yu. Raiskaya (LE)).
- Festuca ovina* L. – **TUR** (Scherbina 2009). **EVEN** (Malyshev and Peschkova 1990, Timoshok et al. 2008c, Scherbina 2009).
- ↑*Festuca pseudovina* Hack. ex Wiesb. – **EVEN** (Tunguska Nature Reserve, at Chamba River mouth, herb-rich pine forest, 07 July 2008, Yu. Raiskaya (IMCES)).
- Festuca richardsonii* Hook. – **EVEN** (Pospelova and Pospelov 2007–2026, Scherbina 2009).
- Festuca rubra* L. – **TUR** (Scherbina 2009). **EVEN** (Malyshev and Peschkova 1990, Timoshok et al. 2008c, Scherbina 2009).
- Festuca viviparoides* Krajina ex Pavlick – **EVEN** (Malyshev 1976, Kuvaev 2006).
- Glyceria lithuanica* (Gorski) Gorski – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
- Glyceria triflora* (Korsh.) Kom. – **TUR** (Scherbina 2009). **EVEN** (Tunguska Nature Reserve, vicinity of Lake Peyungda, Verkhnyaya Lakura River bank, forb–grass meadow, 04 July 2014, Yu. Raiskaya (TK)).
- Helictochloa schelliana* (Hack.) Tzvelev & Prob. – **EVEN** (Scherbina 2009).
- Hordeum brevisubulatum* (Trin.) Link – **EVEN** (Malyshev and Peshkova 1990).
- Hordeum jubatum* L. – **EVEN** (Lake Chirinda – Mironenko et al. 1971, Malyshev and Peshkova 1990; Lake Essey, S. Andrulaitis (NSK)). Alien.
- Koeleria asiatica* Domin – **EVEN** (Pospelova and Pospelov 2007–2026).
- ↑*Koeleria glauca* (Spreng.) DC. – **TUR** (Yeloguy River, 175 km upstream from the mouth, the sandy riverbank, July 2002, S. Scherbina (CSNR)). **EVEN** (Malyshev and Peshkova 1990).
- Koeleria pseudomollis* Chepinoga – **EVEN** (Scherbina 2009).
- Koeleria roshevitzii* Chepinoga – **EVEN** (Malyshev and Peshkova 1990).
- Koeleria seminuda* (Trautv.) Gontsch. – **EVEN** (Scherbina 2009).
- Koeleria spicata* (L.) Barberá, Quintanar, Soreng & P.M. Peterson – **EVEN** (Malyshev and Peshkova 1990).

- Koeleria subalpestris* (Hartm.) Barberá, Quintanar, Soreng & P.M. Peterson – **EVEN** (Malyshev 1976, Scherbina 2009, Krivobokov 2024).
- ↑ *Leymus jensseiensis* (Turcz.) Tzvelev – **TUR** (Scherbina 2009).
- ↓ *Leymus sibiricus* (Trautv.) J.L. Yang & C. Yen – **EVEN** (Scherbina 2009).
- ↑ *Leymus* × *tuvanicus* Peschkova (*L. dasystachys* × *L. chinensis* (or *L. ramosus*)) – **EVEN** (Scherbina 2009).
- Limnas stelleri* Trin. – **TUR** (Middle course of the Bolshaya Lebyazhya River (left tributary of Podkamennaya Tunguska River), steep limestone rocky slope, 20 June 2020, S. Scherbina (CSNR)). **EVEN** (Timoshok et al. 2008a, 2008c, Scherbina 2009).
- Lolium pratense* (Huds.) Darbysh. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
- Melica nutans* L. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
- Milium effusum* L. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
- Phalaris arundinacea* L. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- ↓ *Phippisia concinna* (Th.Fr.) Lindeb. – **EVEN** (Malyshev 1976).
- Phleum alpinum* L. – **TUR** (Scherbina 2009).
- Phleum pratense* L. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
- Phragmites australis* (Cav.) Trin. ex Steud. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
- ↓ *Pleuropogon sabinei* R.Br. – **EVEN** (Dyupcun and Sebyaki Lakes – Mironenko et al. 1971; Lake Kharpicha, mudflat at the stream mouth, 27 July 2023, I. Pospelov (NSK)).
- Poa alpigena* Lindm. – **TUR** (Scherbina 2009). **EVEN** (Pospelova and Pospelov 2007–2026, Scherbina 2009).
- Poa alpina* L. – **EVEN** (Malyshev 1976).
- Poa angustifolia* L. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
- Poa annua* L. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009). Alien.
- Poa arctica* R. Br. – **EVEN** (Malyshev 1976).
- Poa attenuata* Trin. – **EVEN** (Pronkina and Scherbina 1994; Tunguska Nature Reserve, Podkamennaya Tunguska River, rock outcrops, 25 June 2014, Yu. Raiskaya (IMCES)).
- Poa botryoides* (Trin. ex Griseb.) Kom. – **TUR** (Kuvaev et al. 2001).
- Poa bryophila* Trin. – **EVEN** (Malyshev 1976).
- Poa filiculmis* Roshev. – **EVEN** (Lake Kharpicha, Semyon-Yuryakh Stream floodplain, crumbling slope, 11 July 2023, I. Pospelov (TK)).
- Poa glauca* Vahl – **EVEN** (Malyshev 1976).
- Poa* × *intricata* Wein – **EVEN** (Tunguska Nature Reserve, Zapovednoe Lake, pine forest, 25 June 2018, L. Krivobokov (KRF)).
- ↑ *Poa krylovii* Reverd. – **EVEN** (Pronkina and Scherbina 1994).
- Poa nemoralis* L. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Scherbina 2009; Tunguska Nature Reserve, vicinity of Lake Peyungda, Verkhnyaya Lakura River bank, forb–grass meadow, 03 July 2014, Yu. Raiskaya (TK)).

- Poa palustris* L. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Scherbina 2009; Tunguska Nature Reserve, Chugrim waterfall, wet rock outcrops, 30 June 2008, E. Timoshok (TK)).
- ↓*Poa paucispicula* Scribn. & Merr. – **EVEN** (Kuvaev 1980).
- Poa pratensis* L. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- Poa sergievskajae* Prob. – **EVEN** (Lake Severnoye – Kuvaev 2006).
- Poa sibirica* Roshev. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- Poa sublanata* Reverd. – **EVEN** (Malyshev and Peshkova 1990).
- Poa supina* Schrad. – **TUR** (Kuvaev et al. 2001). Alien.
- Poa tanfiljewii* Roshev. – **EVEN** (Kuvaev 1980, 2006; Lake Kharpicha, mountain spotted tundra, 17 July 2023, S. Dedyusova (MW)).
- ↓*Poa tolmatchewii* Roshev. – **EVEN** (Malyshev 1976).
- Poa transbaicalica* Roshev. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- Poa turfosa* Litv. – **EVEN** (Tunguska Nature Reserve, Lake Peyungda, open larch swamp forest, 01 July 2014, L. Krivobokov (KRF); Ekonda Settlement, open larch swamp forest, 20 July 2018, L. Krivobokov (KRF)).
- Poa urssulensis* Trin. – **TUR** (Scherbina 2009). **EVEN** (Kuvaev and Lazarev 1981, Timoshok et al. 2008c, Scherbina 2009).
- Poa vivipara* (L.) Willd. – **EVEN** (Pospelova and Pospelov 2007–2026).
- **Ptilagrostis mongholica* (Turcz. ex Trin.) Griseb. – **EVEN** (Lake Kharpicha, headwaters of a mountain stream, mineral swamp, 16 July 2023, I. Pospelov (MW)).
- Puccinellia distans* (Jacq.) Parl. – **EVEN** (Malyshev and Peshkova 1990).
- Puccinellia hauptiana* (V.I.Krecz.) Kitag. – **EVEN** (Malyshev and Peshkova 1990).
- Puccinellia tenuiflora* (Griseb.) Scribn. & Merr. – **TUR** (Kuvaev et al. 2001).
- ↑*Schizachne callosa* (Turcz. ex Griseb.) Ohwi – **EVEN** (Scherbina 2009).
- Setaria glareosa* Petrov – **EVEN** (Malyshev and Peshkova 1990; Tunguska Nature Reserve, Podkamennaya Tunguska River, below a stone scree slope, 11 July 2010, E. Timoshok (IMCES)).
- Setaria viridis* (L.) P. Beauv. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- Sibirotrisetum sibiricum* (Rupr.) Barberá – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).

Polemoniaceae

- ↓*Polemonium acutiflorum* Willd. ex Roem. & Schult. – **TUR** (Bolshoe Varlamovskoye Swamp – Kuvaev et al. 2001). **EVEN** (Kuvaev 2006).
- ↓*Polemonium boreale* Adams – **EVEN** (Kuvaev 2006, Timoshok et al. 2008c, Scherbina 2009).

↑*Polemonium caeruleum* L. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).

Polemonium campanulatum (Th.Fr.) Th.Fr. – **TUR** (Kuvaev et al. 2001; Upper course of the Bolshaya Komsa River, floodplain spruce forest with larch, 21 June 1990, G. Pronkina (CSNR)). **EVEN** (Upper reaches of the Birobchana River, raised bog, 16 July 1990 N. Lyubeznova (CSNR); Lower course of the Stolbovaya River, 700 m upstream of the Kulinna River mouth, river bank, 15 July 2008, S. Scherbina (CSNR); The Stolbovaya River, downstream of Kulinna River mouth, waterlogged forest, 21 July 2009, S. Schebrina (CSNR)).

Polemonium schmidtii Klovov – **TUR** (Kuvaev et al. 2001; Near Mirnoye Village, meadow on a floodplain terrace, 05 July 1979 V. Kuvaev (MW)).

Polygalaceae

Polygala comosa Schkuhr – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).

↑*Polygala sibirica* L. – **EVEN** (Timoshok et al. 2008c).

Polygonaceae

Bistorta elliptica (Willd. ex Spreng.) V.V. Petrovsky, D.F. Murray & Elven – **TUR** (Near Komsa Village, sandy slope toward the Yenisei River, 04 June 2008, S. Scherbina (CSNR)). **EVEN** (Kuvaev 2006, Krivobokov 2024).

Bistorta officinalis Delarbre – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Timoshok et al. 2008c, Scherbina 2009).

Bistorta vivipara (L.) Delarbre – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Timoshok et al. 2008c, Scherbina 2009).

Fagopyrum esculentum Moench – **EVEN** (Krasnoborov and Malyshev 1992). Alien.

Fallopia convolvulus (L.) Á.Löve – **EVEN** (Krasnoborov and Malyshev 1992; Tunguska Nature Reserve, Podkamennaya Tunguska River, at Chamba River mouth, stony shore, 23 June 2014, Yu. Raiskaya (TK)). Alien.

Knorringia sibirica (Laxm.) Tzvelev – **TUR** (Scherbina 2009).

Koenigia alpina (All.) T.M. Schust. & Reveal – **TUR** (Scherbina 2009).

Koenigia divaricata (L.) T.M. Schust. & Reveal – **EVEN** (Timoshok et al. 2008c). Alien.

Koenigia islandica L. – **EVEN** (Malyshev 1976).

↓*Koenigia ocreata* (L.) T.M. Schust. & Reveal – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).

Oxyria digyna (L.) Hill – **EVEN** (Malyshev 1976).

Persicaria amphibia (L.) Gray – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).

↑*Persicaria hydropiper* (L.) Spach – **TUR** (Kuvaev et al. 2001).

Persicaria lapathifolia (L.) Gray – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).

- Persicaria maculosa* Gray – **TUR** (Kuvaev et al. 2001). Alien.
- Persicaria minor* (Huds.) Opiz – **TUR** (Scherbina 2009).
- Persicaria tomentosa* (Schränk) E.P. Bicknell – **TUR** (Kuvaev et al. 2001). **EVEN** (Timoshok et al. 2008c). Alien.
- Polygonum arenastrum* Boreau – **EVEN** (Krasnoborov and Malyshev 1992).
- Polygonum aviculare* L. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009; Tunguska Nature Reserve, Podkamennaya Tunguska River, silty shore, 07 July 2010, Yu. Raiskaya (LE)).
- Polygonum boreale* (Lange) Small – **TUR** (Podkamennaya Tunguska Village, ruderal community, 19 Aug. 2022, L. Krivobokov (KRF, KRAS)). **EVEN** (Tupitsyna and Krivobokov 2017; Tura Village, ruderal community, 21 Aug. 2020, L. Krivobokov (KRF, KRAS)).
- Polygonum calcatum* Lindm. – **TUR** (Tupitsyna and Lomonosova 2016; Bor Village, ruderal community, 19 Aug. 2022, L. Krivobokov (KRF, KRAS)). **EVEN** (Tupitsyna and Krivobokov 2017).
- Polygonum evenkiense* Tupitz. & Juzefovich – **EVEN** (Tupitsyna 2020).
- Polygonum humifusum* C. Merck ex K. Koch – **TUR** (Scherbina 2009, Tupitsyna and Lomonosova 2016). **EVEN** (Scherbina 2009).
- Polygonum neglectum* Besser – **TUR** (Turukhansk Settlement, ruderal community, 19 Aug. 2022, L. Krivobokov (KRF, KRAS)). **EVEN** (Tupitsyna and Krivobokov 2017; Tura Village, ruderal community, 07 Aug. 2012, L. Krivobokov (KRF, KRAS)).
- Polygonum nikolai* Tupitz. – **EVEN** (Tupitsyna 2016).
- Polygonum propinquum* Ledeb. – **TUR** (Turukhansk Settlement, ruderal community, 08 July 2022, L. Krivobokov (KRF, KRAS)). **EVEN** (Tupitsyna and Krivobokov 2017; Tura Village, courtyard of the Sukachev Institute of Forest's scientific station, ruderal community, 16 Aug. 2015, L. Krivobokov (KRF, KRAS)).
- Polygonum rectum* (Chrtek) H. Scholz – **TUR** (Turukhansk Settlement, ruderal community, 25 July 2022, L. Krivobokov (KRF, KRAS)). **EVEN** (Tupitsyna and Krivobokov 2017).
- Polygonum sabulosum* Vorosch. – **TUR** (Tupitsyna and Lomonosova 2016; Turukhansk Settlement, ruderal community, 22 Aug. 2022, L. Krivobokov (KRF, KRAS)). **EVEN** (Tupitsyna and Krivobokov 2017; Tura Village, ruderal community, 21 Aug. 2020, L. Krivobokov (KRF, KRAS)).
- Polygonum tenuissimum* A.I. Baranov & Skvortsov ex Vorosch. – **EVEN** (Tupitsyna and Krivobokov 2017; Tura Village, courtyard of the Sukachev Institute of Forest's scientific station, ruderal community, 26 Aug. 2016, L. Krivobokov (KRF, KRAS)).
- **Rheum compactum* L. – **EVEN** (Scherbina 2009).
- Rumex acetosa* L. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- Rumex acetosella* L. – **TUR** (Scherbina 2009). **EVEN** (Tunguska Nature Reserve, Podkamennaya Tunguska River, silty shore, 09 July 2010, Yu. Raiskaya (LE)).

Rumex aquaticus L. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Scherbina 2009).

↓*Rumex arcticus* Trautv. – **EVEN** (Malyshev 1976, Krasnoborov and Malyshev 1992).

Rumex arifolius All. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).

*↓*Rumex aureostigmaticus* Kom. – **EVEN** (Lake Kharpicha, silt-pebble wet shoal of the Kotuy River, 04 July 2023, I. Pospelov (MW)).

Rumex crispus L. – **TUR** (Kuvaev et al. 2001). Alien.

Rumex evenkiensis* Elis. – **EVEN (Krasnoborov and Malyshev 1992).

Rumex gmelinii Turcz. ex Ledeb. – **TUR** (Kuvaev et al. 2001).

Rumex graminifolius Georgi ex Lamb. – **EVEN** (Malyshev 1976).

Rumex lapponicus (Hiitonen) Czernov – **EVEN** (Krasnoborov and Malyshev 1992, Kuvaev 2006).

Rumex oblongifolius Tolm. – **EVEN** (Krasnoborov and Malyshev 1992).

Rumex protractus Rech.f. – **EVEN** (Malyshev 1976, Krasnoborov and Malyshev 1992).

Rumex pseudonatronatus Borbás – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).

↓*Rumex pseudoxyria* (Tolm.) A.P. Khokhr. – **EVEN** (Krasnoborov and Malyshev 1992, Kuvaev 2006).

Rumex thyrsiflorus Fingerh. – **TUR** (Scherbina 2009). **EVEN** (Krasnoborov and Malyshev 1992, Timoshok et al. 2008c, Scherbina 2009).

Rumex ucranicus Fisch. ex Spreng. – **EVEN** (Krasnoborov and Malyshev 1992).

Potamogetonaceae

Potamogeton alpinus Balb. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976; Tunguska Nature Reserve, Lake Peyungda, in water, 08 July 2014, Yu. Raiskaya (TK)).

Potamogeton berchtoldii Fieber – **TUR** (Kuvaev et al. 2001).

Potamogeton compressus L. – **EVEN** (Krasnoborov 1988).

↑*Potamogeton crispus* L. – **TUR** (Scherbina 2009).

Potamogeton friesii Rupr. – **TUR** (Lower course of the Bolshaya Lebyazhya River (left tributary of Podkamennaya Tunguska River), slow-flowing river backwater, 03 Aug. 2013, S. Scherbina, No. 2994 (CSNR)). **EVEN** (Scherbina 2009).

Potamogeton gramineus L. – **TUR** (Scherbina 2009). **EVEN** (Krasnoborov 1988, Timoshok et al. 2008c, Scherbina 2009).

↑*Potamogeton lucens* L. – **EVEN** (Krasnoborov 1988; Tunguska Nature Reserve, Podkamennaya Tunguska River, in water, 01 July 2012, Yu. Raiskaya (LE)).

↑*Potamogeton natans* L. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009; Tunguska Nature Reserve, Lake Peyungda, in water, 29 June 2014, Yu. Raiskaya (TK)).

Potamogeton perfoliatus L. – **TUR** (Scherbina 2009). **EVEN** (Krasnoborov 1988, Timoshok et al. 2008c).

- Potamogeton praelongus* Wulfen – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
Potamogeton pusillus L. – **TUR** (Krasnoborov 1988). **EVEN** (Krasnoborov 1988).
Potamogeton sibiricus A. Benn. – **EVEN** (Pospelova and Pospelov 2007–2026, Scherbina 2009).
 ↑*Potamogeton trichoides* Cham. & Schltdl. – **TUR** (Scherbina 2009).
Stuckenia filiformis (Pers.) Börner – **TUR** (Scherbina 2009). **EVEN** (Krasnoborov 1988, Scherbina 2009; Tunguska Nature Reserve, Podkamennaya Tunguska River, in water, 24 June 2012, Yu. Raiskaya (IMCES)).
Stuckenia pectinata (L.) Börner – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
 ↑*Stuckenia vaginata* (Turcz.) Holub (*S. subretusa*) – **TUR** (Kuvaev et al. 2001). **EVEN** (Krasnoborov 1988).

Primulaceae

- ↓*Androsace arctisibirica* (Korobkov) Prob. – **EVEN** (Mironenko et al. 1971, Malyshev 1997).
Androsace filiformis Retz. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009; Tunguska Nature Reserve, near Lake Peyungda, wet patch, 04 July 2014, Yu. Raiskaya (LE)).
Androsace lactiflora Fisch. ex Willd. – **EVEN** (Malyshev 1976, 1997).
Androsace lehmanniana Spreng. – **EVEN** (Malyshev 1997).
Androsace septentrionalis L. – **EVEN** (Malyshev 1976, Timoshok et al. 2008c).
 ↓*Androsace triflora* Adans. – **EVEN** (Malyshev 1976).
Lysimachia davurica Ledeb. – **TUR** (Kuvaev et al. 2001).
Lysimachia europaea (L.) U. Manns & Anderb. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Timoshok et al. 2008c, Scherbina 2009).
 ↑*Lysimachia maritima* (L.) Galasso, Banfi & Soldano – **EVEN** (Malyshev 1997).
Lysimachia thyrsiflora L. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009; Tunguska Nature Reserve, at Chamba River mouth, sedge bog, 01 July 2012, Yu. Raiskaya (LE)).
Lysimachia vulgaris L. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
Primula borealis Duby – **EVEN** (Krivobokov 2024).
Primula farinosa L. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
Primula kovtonyukiae Chepinoga – **TUR** (Kuvaev et al. 2001). **EVEN** (Tunguska Nature Reserve, lower course of the Chamba River, herb-rich meadow, 09 July 2014, Yu. Raiskaya (IMCES)).
Primula losinskajae Chepinoga – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
 ↑*Primula nivalis* Pall. – **EVEN** (Malyshev 1997).
Primula nutans Georgi – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).

Primula pallasii Lehm. – **EVEN** (Tunguska Nature Reserve, at Verkhnyaya Laku-
ra River mouth, horstail–green-moss larch forest, 21 June 2014, Yu. Raiskaya
(TK)).

Ranunculaceae

Aconitum baicalense (Regel) Turcz. ex Rapaics – **TUR** (Scherbina 2009). **EVEN**
(Malyshev and Peschkova 1993, Scherbina 2009).

Aconitum barbatum Patrin ex Pers. – **EVEN** (Timoshok et al. 2008c, Scherbina
2009).

↑*Aconitum glandulosum* Rapaics – **EVEN** (Scherbina 2009).

Aconitum jenseense* Polozhij – **TUR (Malyshev and Peschkova 1993).

↑*Aconitum rubicundum* Fisch. ex Steud. – **EVEN** (Tunguska Nature Reserve, vi-
cinity of Lake Peyungda, horsetail–green-moss spruce forest, 06 July 2014, Yu.
Raiskaya (LE)).

Aconitum septentrionale Koelle – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976,
Timoshok et al. 2008c, Scherbina 2009).

Aconitum volubile Pall. ex Koelle – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009;
Tunguska Nature Reserve, Podkamennaya Tunguska River bank, forb–grass
meadow, 04 Aug. 2009, Yu. Raiskaya (TK)).

↑*Actaea cimicifuga* L. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c,
Scherbina 2009).

Actaea erythrocarpa Fisch. – **TUR** (Scherbina 2009). **EVEN** (Kuvaev 2006, Scher-
bina 2009; Tunguska Nature Reserve, middle course of the Khushma River,
dwarf-shrub–green-moss pine–larch forest, 01 July 2008, E. Timoshok (TNR)).

Anemonastrum dichotomum (L.) Mosyakin – **TUR** (Scherbina 2009).

Anemone altaica Fisch. ex C.A. Mey. – **TUR** (Scherbina 2009).

Anemone caerulea DC. – **TUR** (Malyshev and Peschkova 1993).

Anemone jenseensis (Korsh.) Krylov & Steinb. – **TUR** (Scherbina 2009). **EVEN**
(Scherbina 2009).

Anemone ochotensis (Fisch. ex Pritz.) Fisch. – **EVEN** (Malyshev 1976, Timoshok et
al. 2008c).

↑*Anemone reflexa* Stephan & Willd. – **TUR** (Scherbina 2009). **EVEN** (Scherbina
2009).

Anemone sylvestris L. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).

Aquilegia parviflora Ledeb. – **EVEN** (Timoshok et al. 2008a, 2008c).

Aquilegia sibirica Lam. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c,
Scherbina 2009).

↓*Caltha arctica* R. Br. – **EVEN** (Malyshev and Peschkova 1993).

Caltha membranacea (Turcz.) Schipcz. – **TUR** (Kuvaev et al. 2001).

Caltha palustris L. – **TUR** (Scherbina 2009). **EVEN** (Malyshev and Peschkova 1993,
Timoshok et al. 2008c, Scherbina 2009).

Caltha serotina Tolm. – **EVEN** (Malyshev 1976, Kuvaev 2006).

- Clematis sibirica* (L.) Mill. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Timoshok et al. 2008c, Scherbina 2009).
- Coptidium lapponicum* (L.) Á. Löve & D. Löve – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Timoshok et al. 2008c, Scherbina 2009).
- Coptidium pallasii* (Schltdl.) Á. Löve & D. Löve – **EVEN** (Malyshev and Peschkova 1993).
- Delphinium crassifolium* Schrad. ex Spreng. – **EVEN** (Malyshev and Peschkova 1993).
- Delphinium elatum* L. – **TUR** (Scherbina 2009). **EVEN** (Malyshev and Peschkova 1993, Timoshok et al. 2008c, Scherbina 2009).
- Delphinium middendorffii* Trautv. (*D. cheilanthum* auct.) – **EVEN** (Polozhiy and Reverdatto 1976).
- Delphinium tungusense* Kurbatsky – **EVEN** (Kurbatskiy 2017).
- Halerpestes sarmentosa* (Adams) Kom. – **EVEN** (Malyshev and Peschkova 1993).
- Pulsatilla angustifolia* Turcz. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
- Pulsatilla multifida* (Pritz.) Juz. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- Pulsatilla orientali-sibirica* Stepanov – **TUR** (Scherbina 2009). **EVEN** (Kuvaev 1980, Malyshev and Peschkova 1993, Scherbina 2009).
- Ranunculus acris* L. – **TUR** (Scherbina 2009). **EVEN** (Tunguska Nature Reserve, Podkamennaya Tunguska River bank, herb-rich meadow, 26 June 2019, Yu. Raiskaya (TK)).
- ↓ *Ranunculus affinis* R. Br. – **EVEN** (Malyshev 1976).
- Ranunculus glabriusculus* Rupr. – **TUR** (Scherbina 2009). **EVEN** (Malyshev and Peschkova 1993, Timoshok et al. 2008a, 2008c, Scherbina 2009).
- Ranunculus gmelinii* DC. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976; Tunguska Nature Reserve, lower course of the Chamba River, marshy shore, 24 June 2014, Yu. Raiskaya (TK)).
- ↓ *Ranunculus hyperboreus* Rottb. – **EVEN** (Malyshev 1976).
- Ranunculus kauffmannii* Clerc – **TUR** (Malyshev and Peschkova 1993). **EVEN** (Malyshev and Peschkova 1993; Tunguska Nature Reserve, Podkamennaya Tunguska River, in water, 01 July 2012, Yu. Raiskaya (IMCES)).
- ? *Ranunculus mongolicus* (Krylov) Serg. – **EVEN** (Malyshev and Peschkova 1993). – The species occurrence should be confirmed.
- ↓ *Ranunculus nivalis* L. – **EVEN** (Malyshev 1976).
- ↓ *Ranunculus petroczenkoi* Vodop. ex Timokhina – **EVEN** (Pospelova and Pospelov 2007–2026).
- Ranunculus pohleanus* Tzvelev – **TUR** (Kuvaev et al. 2001). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- Ranunculus polyanthemus* L. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- Ranunculus ponojensis* (Markl.) Ericsson (*R. monophyllus* auct.) – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009; Tunguska Nature Re-

- serve, Khushma River bank, open dwarf-birch spruce forest, 03 June 2007, E. Timoshok (TNR)).
- Ranunculus propinquus* C.A. Mey. – **TUR** (Kuvaev et al. 2001). **EVEN** (Scherbina 2009; Tunguska Nature Reserve, Podkamennaya Tunguska River, below a rocky scree, 22 June 2014, Yu. Raiskaya (LE)).
- Ranunculus pseudomonophyllus* Timokhina – **EVEN** (Malyshev and Peschkova 1993).
- ↑*Ranunculus radicans* C.A. Mey. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- Ranunculus repens* L. – **TUR** (Scherbina 2009). **EVEN** (Kuvaev and Lazarev 1981, Scherbina 2009; Tunguska Nature Reserve, Podkamennaya Tunguska River, herb-rich meadow, 25 June 2014, Yu. Raiskaya (TK)).
- Ranunculus reptans* L. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Timoshok et al. 2008c, Scherbina 2009).
- Ranunculus sceleratus* L. – **EVEN** (Malyshev and Peschkova 1993).
- Ranunculus smirnovii* Ovcz. – **TUR** (Scherbina 2009).
- Ranunculus subborealis* Tzvelev – **TUR** (Scherbina 2009). **EVEN** (Pospelova and Pospelov 2007–2026; Timoshok et al. 2008c, Scherbina 2009).
- Ranunculus taigaensis* Timokhina – **TUR** (Malyshev and Peschkova 1993). **EVEN** (Malyshev and Peschkova 1993).
- Ranunculus trichophyllus* Chaix – **TUR** (Scherbina 2009). **EVEN** (Malyshev and Peschkova 1993, Scherbina 2009; Tunguska Nature Reserve, near Lake Peyungda, Verkhnyaya Lakura River, in water, 06 July 2014, Yu. Raiskaya (LE)).
- Thalictrum acutilobum* DC. – **EVEN** (Malyshev and Peschkova 1993).
- Thalictrum alpinum* L. – **TUR** (Middle course of the Bolshaya Lebyazhaya River (left tributary of Podkamennaya Tunguska River), steep limestone rocky north-facing slope, 20 June 2020, S. Scherbina (CSNR)). **EVEN** (Pospelova and Pospelov 2007–2026, Scherbina 2009).
- ↑*Thalictrum appendiculatum* C.A. Mey. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
- Thalictrum flavum* L. – **TUR** (Scherbina 2009). **EVEN** (Tunguska Nature Reserve, near Lake Peyungda, forb–grass larch forest, 29 June 2014, Yu. Raiskaya (TK)).
- Thalictrum foetidum* L. – **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- Thalictrum kemense* Fr. – **EVEN** (Malyshev and Peschkova 1993, Kuvaev et al. 2001, Scherbina 2009; Tunguska Nature Reserve, near Lake Peyungda, forb–grass larch forest, 03 July 2014, Yu. Raiskaya (TK)).
- Thalictrum minus* L. – **TUR** (Scherbina 2009). **EVEN** (Malyshev and Peschkova 1993, Timoshok et al. 2008c, Scherbina 2009).
- ↑*Thalictrum pavlovii* Reverd. – **TUR** (Kuvaev et al. 2001). **EVEN** (Scherbina 2009).
- Thalictrum simplex* L. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- Thalictrum sparsiflorum* Turcz. ex Fisch. & C.A. Mey. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009; Tunguska Nature Reserve, Podkamennaya Tunguska River terrace, alder thickets at stream bank, 11 July 2010, Yu. Raiskaya (LE)).

Trollius asiaticus L. – **TUR** (Scherbina 2009). **EVEN** (Malyshev and Peschkova 1993, Scherbina 2009; Tunguska Nature Reserve, Khushma River bank, forb meadow, 30 June 2008, E. Timoshok (TNR)).

Trollius ircuticus Sipliv. – **EVEN** (Malyshev and Peschkova 1993).

Trollius sibiricus Schipcz. – **EVEN** (Mironenko and al. 1971, Malyshev 1976).

Rosaceae

Agrimonia pilosa Ledeb. – **TUR** (Scherbina 2009).

Alchemilla anisopoda Juz. – **EVEN** (Polozhiy and Malyshev 1988).

Alchemilla baltica Sam. ex Juz. – **EVEN** (Polozhiy and Malyshev 1988).

Alchemilla barbulata Juz. – **TUR** (Mirnoye Village – Chepinoga et al. 2024).

Alchemilla calvifolia Juz. – **TUR** (Karasikha Village – Chepinoga et al. 2024).

Alchemilla cryptocaula Juz. – **TUR** (Vorogovo Village – Chepinoga et al. 2024).

Alchemilla dasyclada Juz. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).

Alchemilla fontinalis Juz. – **TUR** (Rybnoye Village – Chepinoga et al. 2024).

Alchemilla laxescens Juz. ex Czkalov – **TUR** (Mirnoye Village – Chepinoga et al. 2024).

Alchemilla murbeckiana Buser – **EVEN** (Polozhiy and Malyshev 1988).

Alchemilla orbicans Juz. – **TUR** (Scherbina 2009).

Alchemilla retropilosa Juz. – **TUR** (Zotino Village – Chepinoga et al. 2024).

Alchemilla rigescens Juz. – **TUR** (Scherbina 2009).

Alchemilla sarmatica Juz. – **TUR** (Vorogovo Village – Chepinoga et al. 2024).

Alchemilla sibirica Zämelis – **EVEN** (Polozhiy and Malyshev 1988).

Alchemilla subcrenata Buser – **TUR** (Scherbina 2009).

Alchemilla turuchanica Juz. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).

Argentina anserina (L.) Rydb. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).

Comarum palustre L. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Timoshok et al. 2008c, Scherbina 2009).

Cotoneaster laxiflorus J. Jacq. ex Lindl. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c).

Crataegus dahurica Koehne ex C.K. Schneid. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008a, 2008c). Alien.

Crataegus sanguinea Pall. – **TUR** (Kuvaev et al. 2001). **EVEN** (Scherbina 2009).

Dasiphora fruticosa (L.) Rydb. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Timoshok et al. 2008c, Scherbina 2009).

Dryas grandis Juz. – **EVEN** (Malyshev 1976, Polozhiy and Malyshev 1988).

Dryas incisa Juz. – **EVEN** (Mironenko and al. 1971, Polozhiy and Malyshev 1988).

Dryas punctata Juz. – **EVEN** (Mironenko and al. 1971, Malyshev 1976).

Dryas subincisa (Jurtzev) Tzvelev – **EVEN** (Malyshev 1976, Polozhiy and Malyshev 1988).

Dryas × *vagans* Juz. (*D. octopetala* × *D. punctata*) – **EVEN** (Kuvaev 1980).

- Drymocallis saviczii* (Schischk. & Kom.) Soják – **EVEN** (Mironenko et al. 1971, Scherbina 2009).
- Filipendula digitata* (Pall.) Maxim. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c.).
- Filipendula ulmaria* (L.) Maxim. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- Fragaria vesca* L. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009; Tunguska Nature Reserve, at Chamba River mouth, forb-sedge pine forest, 29 June 2019, Yu. Raiskaya (TK)).
- Geum aleppicum* Jacq. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Krivobokov 2024).
- ↓*Geum glaciale* Adams ex Fisch. – **EVEN** (Malyshev 1976).
- Geum rivale* L. – **TUR** (Polozhiy and Malyshev 1988).
- Potentilla arenosa* (Turcz.) Juz. – **EVEN** (Kuvaev 2006, Scherbina 2009).
- Potentilla argentea* L. – **TUR** (Kuvaev et al. 2001). Alien.
- ↓*Potentilla asperrima* Turcz. – **EVEN** (Malyshev 1976).
- Potentilla boreoasiatica* (Jurtzev & Kamelin) Kechaykin – **EVEN** (Malyshev 1976, Polozhiy and Malyshev 1988).
- Potentilla chrysantha* Trevir. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
- Potentilla conferta* Bunge – **TUR** (Scherbina 2009).
- ↓*Potentilla* × *drymeja* Soják (*P. arenosa* × *P. nivea* s.l.) – **EVEN** (Vicinity of Lake Kharpicha, Khusana River bank, rock outcrops, 03 July 2023, S. Dedyusova (MW)).
- ↓*Potentilla hyparctica* Malte – **EVEN** (Malyshev 1976).
- Potentilla kuznetzowii* (Govor.) Juz. – **EVEN** (Kuvaev 2006).
- Potentilla longifolia* Willd. ex D.F.K. Schltdl. – **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- Potentilla macrantha* Ledeb. – **TUR** (Miroedikha Village – Scherbina 2009). **EVEN** (Scherbina 2009).
- Potentilla multifida* L. – **TUR** (Scherbina 2009). Alien.
- Potentilla nivea* L. – **TUR** (Middle course of the Bolshaya Lebyazhaya River (left tributary of Podkamennaya Tunguska River), steep limestone rocky south-facing slope, 20 June 2020, S. Scherbina (KRSU)). **EVEN** (Kuvaev 2006, Pospelova and Pospelov 2007–2026; Tunguska Nature Reserve, Khushma River bank, limestone dike, 03 June 2007, E. Timoshok (TK)).
- Potentilla norvegica* L. – **TUR** (Scherbina 2009).
- ↑*Potentilla nudicaulis* Willd. ex D.F.K. Schltdl. – **TUR** (Polozhiy and Malyshev 1988).
- ↓*Potentilla pulviniformis* A.P. Khokhr. – **EVEN** (Lake Kharpicha, north-west-facing slope, tundra vegetation, 01 Aug. 2023, S. Dedyusova (MW)).
- ↓*Potentilla rubella* T.J. Sørensen – **EVEN** (Polozhiy and Malyshev 1988, Kuvaev 2006).
- Potentilla stipularis* L. – **EVEN** (Malyshev 1976, Krivobokov 2024).

- ↓*Potentilla subvahliana* Jurtzev – **EVEN** (Lake Kharpicha, mountain tundra, 01 Aug. 2023, S. Dedyusova (MW)).
- Potentilla supina* L. s.l. – **TUR** (Kuvaev et al. 2001). Alien.
- Potentilla tergemina* Soják – **TUR** (Scherbina 2009).
- ↓*Potentilla tikhomirovii* Jurtzev – **EVEN** (Near Lake Kharpicha, Kotuy River floodplain meadow, 04 July 2023, I. Pospelov (MW)).
- ↓*Potentilla uniflora* Ledeb. – **EVEN** (Malyshev 1976, Kuvaev 2006).
- ↑*Prunus padus* L. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- Rosa acicularis* Lindl. – **TUR** (Scherbina 2009). **EVEN** (Polozhiy and Malyshev 1988, Scherbina 2009; Tunguska Nature Reserve, near Chugrim waterfall, larch forest, 30 June 2008, E. Timoshok (IMCES)).
- Rosa majalis* Herrm. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).
- Rubus arcticus* L. – **TUR** (Scherbina 2009). **EVEN** (Polozhiy and Malyshev 1988, Timoshok et al. 2008c, Scherbina 2009).
- Rubus chamaemorus* L. – **TUR** (Scherbina 2009). **EVEN** (Polozhiy and Malyshev 1988, Scherbina 2009; Vicinity of Vanavara Village, Sphagnum bog, 11 July 2010, Yu. Raiskaya, pers. obs.).
- Rubus humulifolius* C.A. Mey. – **TUR** (Scherbina 2009). **EVEN** (Polozhiy and Malyshev 1988, Scherbina 2009, Krivobokov 2024; Tunguska Nature Reserve, Podkamennaya Tunguska River, stony bank, 23 July 2012, Yu. Raiskaya (TK)).
- Rubus sachalinensis* H. Lév. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Timoshok et al. 2008c, Scherbina 2009).
- Rubus saxatilis* L. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Timoshok et al. 2008c, Scherbina 2009).
- Sanguisorba officinalis* L. – **TUR** (Scherbina 2009). **EVEN** (Mironenko et al. 1971, Malyshev 1976, Timoshok et al. 2008c, Scherbina 2009).
- Sibbaldia procumbens* L. – **EVEN** (Malyshev 1976).
- Sorbaria sorbifolia* (L.) A. Braun – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
- Sorbus sibirica* Hedl. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Timoshok et al. 2008c, Scherbina 2009).
- Spiraea chamaedryfolia* L. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
- Spiraea dahurica* (Rupr.) Maxim. – **EVEN** (Scherbina 2010).
- ↑*Spiraea flexuosa* Fisch. ex Cambess. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009; Vicinity of Vanavara Village, Podkamennaya Tunguska River, larch forest edge, 09 July 2012, Yu. Raiskaya, pers. obs.).
- Spiraea media* F. Schmidt – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Timoshok et al. 2008c, Scherbina 2009).
- Spiraea salicifolia* L. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).

Rubiaceae

- Galium aparine* L. – **TUR** (Scherbina 2009). Alien.
- Galium boreale* L. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Timoshok et al. 2008c, Scherbina 2009).
- Galium brandegeei* A.Gray – **TUR** (Kuvaev et al. 2001). **EVEN** (Kuvaev 2006).
- Galium densiflorum* Ledeb. – **EVEN** (Polozhiy and Peschkova 1996; Tunguska Nature Reserve, Podkamennaya Tunguska River bank, below a rock outcrops, 22 June 2012, Yu. Raiskaya (IMCES)).
- Galium palustre* L. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
- ↑*Galium pseudorivale* Tzvelev – **EVEN** (Tunguska Nature Reserve, middle course of the Chamba River, forb-rich floodplain meadow, 10 July 2013, Yu. Raiskaya (TK)).
- Galium ruthenicum* Willd. – **EVEN** (Polozhiy and Peschkova 1996; Tunguska Nature Reserve, Podkamennaya Tunguska River, stony bank, 08 July 2010, Yu. Raiskaya (TK)).
- Galium trifidum* L. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c).
- Galium uliginosum* L. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1996, Timoshok et al. 2008c, Scherbina 2009).
- Galium verum* L. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).

Salicaceae

- ↑*Populus laurifolia* Ledeb. – **TUR** (Scherbina 2009).
- Populus nigra* L. – **EVEN** (Verkhneibatskoye Village – Krasnoborov and Malyshev 1992). Alien.
- Populus tremula* L. – **TUR** (Scherbina 2009). **EVEN** (Kuvaev 2006, Timoshok et al. 2008c, Scherbina 2009).
- Salix abscondita* Laksch. – **EVEN** (Tunguska Nature Reserve, at Verkhnyaya Lakura River mouth, burnt larch forest, 29 June 2025, L. Krivobokov (KRF)).
- ↓*Salix alaxensis* (Andersson) Coville – **EVEN** (Malyshev 1976).
- Salix arctica* Pall. – **EVEN** (Malyshev 1976).
- Salix bebbiana* Sarg. – **TUR** (Scherbina 2009). **EVEN** (Kuvaev and Lazarev 1981, Timoshok et al. 2008c, Scherbina 2009; Lake Essey, 1973, S. Andrulaitis 1973 (NSK)).
- Salix boganidensis* Trautv. – **EVEN** (Malyshev 1976).
- Salix brachypoda* (Trautv. & C.A. Mey.) Kom. – **EVEN** (Krasnoborov and Malyshev 1992).
- Salix caprea* L. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
- Salix cinerea* L. – **TUR** (Scherbina 2009).
- Salix divaricata* Pall. – **EVEN** (Tunguska Nature Reserve, near Lake Peyungda, willow thickets, 01 July 2014, Yu. Raiskaya (TK)).

- ↓*Salix fuscescens* Andersson – **EVEN** (Malyshev 1976).
- Salix glauca* L. – **EVEN** (Krasnoborov and Malyshev 1992, Scherbina 2009).
- Salix gmelinii* Pall. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
- Salix hastata* L. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Scherbina 2009; Tunguska Nature Reserve, Khushma River bank, shrub thickets, 30 June 2008, E. Timoshok (TK)).
- Salix jensseensis* (F. Schmidt) Flod. – **TUR** (Scherbina 2009). **EVEN** (Kuvaev 2006, Timoshok et al. 2008c, Scherbina 2009).
- ↑*Salix kochiana* Trautv. – **EVEN** (Tunguska Nature Reserve, shore of Lake Peyungda, stone scree, 01 July 2014, Yu. Raiskaya (TK)).
- Salix lanata* L. – **TUR** (Scherbina 2009). **EVEN** (Krasnoborov and Malyshev 1992, Scherbina 2009).
- Salix lapponum* L. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Scherbina 2009; Tunguska Nature Reserve, Lake Peyungda, sedge–green-moss bog, 03 June 2014, Yu. Raiskaya (LE)).
- Salix myrtilloides* L. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Scherbina 2009; Tunguska Nature Reserve, stony shore of the Lake Peyungda, 30 June 2014, Yu. Raiskaya (LE)).
- ↓*Salix nummularia* Andersson – **EVEN** (Malyshev 1976).
- Salix pentandra* L. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).
- Salix phylicifolia* L. – **TUR** (Scherbina 2009). **EVEN** (Kuvaev 1980, Scherbina 2009; Tunguska Nature Reserve, vicinity of Lake Peyungda, hill summit, lingonberry–green-moss pine forest, 29 June 2014, Yu. Raiskaya (TK)).
- Salix polaris* Wahlenb. – **EVEN** (Malyshev 1976).
- Salix pseudopentandra* (Flod.) Flod. – **TUR** (Scherbina 2009). **EVEN** (Krasnoborov and Malyshev 1992, Scherbina 2009).
- Salix pulchra* Cham. – **TUR** (Scherbina 2009). **EVEN** (Krasnoborov and Malyshev 1992, Timoshok et al. 2008c, Scherbina 2009).
- Salix pyrolifolia* Ledeb. – **TUR** (Scherbina 2009). **EVEN** (Krasnoborov and Malyshev 1992, Timoshok et al. 2008c, Scherbina 2009).
- Salix recurvigemmata* A.K. Skvortsov – **EVEN** (Malyshev 1976, Kuvaev 1980).
- ↓*Salix reptans* Rupr. – **EVEN** (Malyshev 1976, Kuvaev 1980).
- Salix reticulata* L. – **EVEN** (Malyshev 1976).
- Salix rhamnifolia* Pall. – **TUR** (Scherbina 2009). **EVEN** (Krasnoborov and Malyshev 1992, Timoshok et al. 2008c, Scherbina 2009).
- Salix rosmarinifolia* L. – **EVEN** (Lapshina et al. 1990; Tunguska Nature Reserve, near Lake Peyungda, sedge bog, 04 July 2014, Yu. Raiskaya (TK)).
- Salix saposchnikovii* A.K. Skvortsov – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Timoshok et al. 2008c, Scherbina 2009).
- Salix saxatilis* Turcz. ex Ledeb. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Scherbina 2009).
- Salix schwerinii* E.L. Wolf – **EVEN** (Krasnoborov and Malyshev 1992, Scherbina 2010).

Salix taraikensis Kimura – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009; Near Lake Kharpicha, at Semyon-Yuryakh Stream mouth, forest, 02 July 2023, E. Pospelova (MW)).

Salix triandra L. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009; Tunguska Nature Reserve, Podkamennaya Tunguska River bank, willow thickets, 11 June 2012, Yu. Raiskaya (LE)).

Salix turuchanensis (A.K. Skvortsov & Kuvaev) Baikov – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).

Salix udensis Trautv. & C.A. Mey. – **EVEN** (Krasnoborov and Malyshev 1992; Tunguska Nature Reserve, at Chamba River mouth, willow thickets, 26 June 2014, Yu. Raiskaya (TK)).

Salix viminalis L. – **TUR** (Scherbina 2009). **EVEN** (Krasnoborov and Malyshev 1992, Timoshok et al. 2008c, Scherbina 2009).

Santalaceae

Thesium refractum C.A. Mey. – **EVEN** (Mojero River – Krasnoborov and Malyshev 1992, Scherbina 2010, Krivobokov 2024).

Thesium repens Ledeb. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).

Saxifragaceae

Chrysosplenium sibiricum (Ser.) A.P. Khokhr. – **TUR** (Scherbina 2009). **EVEN** (Malyshev and Peschkova 1994, Scherbina 2009).

Chrysosplenium tetrandrum (N. Lund) Th. Fr. – **EVEN** (Malyshev and Peschkova 1994).

Micranthes aestivalis Small – **TUR** (Scherbina 2009). **EVEN** (Kuvaev 2006, Scherbina 2009; Tunguska Nature Reserve, at Verkhnyaya Lakura River mouth, shrub thickets, 24 June 2012, Yu. Raiskaya (LE)).

Micranthes foliolosa (R. Br.) Gornall – **EVEN** (Malyshev 1976).

Micranthes hieraciifolia (Waldst. & Kit. ex Willd.) Haw. – **EVEN** (Malyshev and Peschkova 1994).

↓ *Micranthes nelsoniana* (D. Don) Small – **EVEN** (Kuvaev 1980, 2006).

Micranthes nivalis (L.) Small – **EVEN** (Kuvaev 2006, Scherbina 2009).

↓ *Micranthes tenuis* (Wahlenb.) Small – **EVEN** (Kuvaev 1980, 2006).

Mitella nuda L. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).

Saxifraga bronchialis L. – **TUR** (Scherbina 2009). **EVEN** (Kuvaev 2006, Timoshok et al. 2008c).

Saxifraga cernua L. – **TUR** (Scherbina 2009). **EVEN** (Malyshev and Peschkova 1994; Tunguska Nature Reserve, Chugrim waterfall, wet rock outcrops, 02 June 2008, E. Timoshok (TK)).

- ↓*Saxifraga cespitosa* L. – **EVEN** (Malyshev 1976).
 ↓*Saxifraga funstonii* (Small) Fedde – **EVEN** (Kuvaev 1980, 2006).
 ↓*Saxifraga glutinosa* Sipliv. – **EVEN** (Malyshev 1976).
Saxifraga hirculus L. – **TUR** (Kuvaev et al. 2001). **EVEN** (Malyshev and Peschkova 1994, Scherbina 2009).
Saxifraga hyperborea R. Br. – **EVEN** (Malyshev 1976).
Saxifraga oppositifolia L. – **EVEN** (Lake Darima – Malyshev and Peschkova 1994).
 Saxifraga radiata* Small – **EVEN (Malyshev and Peschkova 1994).
Saxifraga setigera Pursh – **EVEN** (Mironenko et al. 1971, Malyshev 1976).
Saxifraga sibirica L. – **EVEN** (Krivobokov 2024).
Saxifraga spinulosa Adams – **TUR** (Middle course of the Bolshaya Lebyazhaya River (left tributary of Podkamennaya Tunguska River), rocky slope, 22 June 2020, S. Scherbina (CSNR)). **EVEN** (Malyshev and Peschkova 1994, Scherbina 2009; Tunguska Nature Reserve, vicinity of Lake Peyungda, rock outcrops in larch-pine forest, 29 June 2014, Yu. Raiskaya (TK)).

Scheuchzeriaceae

- ↑*Scheuchzeria palustris* L. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).

Scrophulariaceae

- Limosella aquatica* L. – **TUR** (Scherbina 2009).

Solanaceae

- Hyoscyamus niger* L. – **TUR** (Scherbina 2009). Alien.
Solanum kitagawae Schön.-Tem. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c).

Tofieldiaceae

- Tofieldia coccinea* Richardson – **EVEN** (Malyshev and Peschkova 1987).
Tofieldia pusilla (Michx.) Pers. – **TUR** (Middle course of the Bolshaya Lebyazhaya River (left tributary of Podkamennaya Tunguska River), below a steep limestone slope, 23 June 2020, S. Scherbina (TK)). **EVEN** (Malyshev 1976, Scherbina 2009).

Typhaceae

- Sparganium angustifolium* Michx. – **EVEN** (Krasnoborov 1988).
Sparganium emersum Rehmman (S. *rothertii* auct.) – **TUR** (Scherbina 2009).
 ↑*Sparganium glomeratum* (Laest.) Neuman – **TUR** (Scherbina 2009).

↑*Sparganium gramineum* Georgi – **EVEN** (Krasnoborov 1988).

Sparganium hyperboreum Laest. – **TUR** (Scherbina 2009). **EVEN** (Krasnoborov 1988, Scherbina 2009; Tunguska Nature Reserve, Lake Peyungda, in water, 08 July 2014, Yu. Raiskaya (TK)).

Sparganium natans L. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).

Typha latifolia L. – **TUR** (Near Zotino Village small lake, 2006, S. Scherbina, pers. obs.; 3 km from Bor Village, roadside, 2025, S. Scherbina, pers. obs.).

Urticaceae

Urtica angustifolia Fisch. ex Hornem. – **TUR** (Kuvaev et al. 2001). **EVEN** (Krasnoborov and Malyshev 1992; Near Lake Kharpicha, Semyon-Yuryakh Stream valley, boulder slope, 24 July 2023, I. Pospelov (MW)).

Urtica cannabina L. – **TUR** (Scherbina 2009). Alien.

Urtica dioica L. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009). Alien.

Urtica sondenii (Simmons) Avrorin ex Geltman – **TUR** (Krasnoborov and Malyshev 1992). **EVEN** (Krasnoborov and Malyshev 1992).

Urtica urens L. – **TUR** (Scherbina 2009). **EVEN** (Vanavara Village, roadside, 07 July 2018, Yu. Raiskaya, pers. obs.).

Viburnaceae

Adoxa moschatellina L. – **TUR** (Scherbina 2009). **EVEN** (Kuvaev 1980, Timoshok et al. 2008c).

Sambucus racemosa L. – **EVEN** (Yurgupchen stream – Efremov 2021d). Alien.

↑*Sambucus sibirica* Nakai – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009; Tunguska Nature Reserve, Podkamennaya Tunguska River terrace, rock outcrops in open pine forest, 11 June 2012, Yu. Raiskaya (LE)).

Violaceae

Viola arvensis Murray – **TUR** (Scherbina 2009). Alien.

Viola biflora L. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Scherbina 2009).

Viola brachyceras Turcz. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).

↑*Viola elatior* Fr. – **EVEN** (Timoshok et al. 2008c).

Viola epipsila Ledeb. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).

Viola epipsiloides Á. Löve & D. Löve – **TUR** (Scherbina 2009). **EVEN** (Kuvaev 1980, Scherbina 2009).

Viola mauritii Tepl. – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).

Viola palustris L. – **TUR** (Kuvaev et al. 2001).

Viola rupestris F. Schmidt – **TUR** (Scherbina 2009). **EVEN** (Timoshok et al. 2008c, Scherbina 2009).

Viola nemoralis Kütz. (*V. canina* auct.) – **TUR** (Khakholevka River (left tributary of Yenisei River), shrub–grass vegetation on a sandy terrace, 04 July 2019, S. Scherbina (TK)). **EVEN** (Taimenka River mouth (left tributary of Podkamen-naya Tunguska River), Aug. 2021, S. Scherbina (TK)).

↑ *Viola sacchaliniensis* H. Boissieu – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).

Viola selkirkii Pursh ex Goldie – **TUR** (Scherbina 2009). **EVEN** (Kuvaev 1980, Scherbina 2009).

↑ *Viola stagnina* Kit. ex Schult. – **TUR** (Scherbina 2009). **EVEN** (Scherbina 2009).

Viola uniflora L. – **TUR** (Scherbina 2009). **EVEN** (Malyshev 1976, Timoshok et al. 2008c, Scherbina 2009).

The resulting cumulative checklist of vascular plants of the Turukhansky (TUR) and Evenkiysky (EVEN) raions comprises 1316 species, including 13 interspecific or intergeneric hybrids (Table 1). As these territories are delimited according to administrative rather than natural (landscape) boundaries, the floras of both raions are internally heterogeneous. The floristic diversity of EVEN is distinctly higher than that of TUR, which is primarily explained by the greater landscape heterogeneity of the Evenkiysky Raion.

Table 1. Taxonomic diversity of vascular plant species within the study area

Class	Turukhansky Raion				Evenkiysky Raion				Total flora			Hybrids (taxa)	Alien (spp.)
	Fam	Gen	Sp	Alien	Fam	Gen	Sp	Alien	Fam	Gen	Sp		
Lycopodiopsida	2	5	7	–	2	5	9	–	2	5	9	–	–
Polypodiopsida	12	14	32	–	12	16	37	–	12	17	43	–	–
Pinopsida	3	5	8	–	3	6	10	–	3	6	10	1	–
Magnoliopsida	71	297	724	59	71	325	1115	44	71	355	1254	12	76
Total	88	321	771	–	88	352	1171	–	88	383	1316	13	76

Note: Fam – Family, Gen – Genus, Sp – Species.

The clear predominance of Poaceae, Asteraceae, and Cyperaceae among the largest families is generally typical of Holarctic floras (Table 2). However, the prominence of Cyperaceae in the flora of EVEN indicates its affinity to the arctoboreal East Asian floristic type (Cyperaceae-type; Khokhryakov 2000).

Among the largest genera (Table 3), *Carex* and *Salix* are the most species-rich, which is generally characteristic of the northern floras of Middle Siberia. At the same time, the higher diversity of genera such as *Potentilla*, *Draba*, *Saxifraga*, *Pedicularis*, and *Astragalus* in EVEN emphasizes the more montane character of this territory and its stronger floristic connection with the Arctic and Subarctic.

Table 2. Largest families within flora of the study area

	Family	Turukhansky Raion		Evenkiysky Raion		Total flora		Hybrids (taxa)	Aliens (spp.)
		Genus	Species	Genus	Species	Genus	Species		
1	Poaceae	29	66	34	123	37	133	3	5
2	Asteraceae	37	79	44	113	46	131	1	14
3	Cyperaceae	8	60	6	119	8	124	3	–
4	Rosaceae	18	49	20	56	21	75	2	4
5	Ranunculaceae	13	44	13	62	14	68	–	–
6	Brassicaceae	14	21	22	58	24	65	–	8
7	Caryophyllaceae	11	32	10	48	12	53	–	6
8	Fabaceae	9	26	8	47	8	50	–	3
9	Polygonaceae	6	28	9	40	10	47	–	6
10	Salicaceae	2	23	2	39	2	41	–	–
11	Orobanchaceae	6	13	6	31	6	33	–	–
12	Ericaceae	9	18	10	29	10	29	–	–
13	Juncaceae	2	13	2	24	2	26	–	–
14	Lamiaceae	12	18	11	22	13	27	–	5
15	Orchidaceae	10	16	12	21	13	24	1	–
16	Apiaceae	15	16	16	19	19	22	–	2
17	Saxifragaceae	4	7	4	21	4	21	–	–
	Total	205	529	229	872	249	969	10	53

Table 3. Largest genera within flora of the study area

	Genus	Turukhansky Raion	Evenkiysky Raion	Total flora (spp.)	Hybrids (taxa)	Aliens (spp.)
1	<i>Carex</i>	45	100	102	2	–
2	<i>Salix</i>	21	37	38	–	–
3	<i>Poa</i>	11	25	27	1	2
4	<i>Potentilla</i>	10	16	23	1	3
5	<i>Ranunculus</i>	15	21	22	–	–
6	<i>Draba</i>	3	20	20	–	–
7	<i>Pedicularis</i>	7	18	19	–	–
8	<i>Rumex</i>	8	15	17	–	1
9	<i>Juncus</i>	8	14	16	–	–
10	<i>Elymus</i>	11	15	16	–	–
11	<i>Alchemilla</i>	12	6	16	–	–
12	<i>Artemisia</i>	8	11	14	–	–

	Genus	Turukhansky Raion	Evenkiysky Raion	Total flora (spp.)	Hybrids (taxa)	Aliens (spp.)
13	<i>Silene</i>	5	13	14	–	1
14	<i>Viola</i>	13	12	14	–	1
15	<i>Astragalus</i>	4	12	13	–	–
16	<i>Hieracium</i>	5	13	13	1	–
17	<i>Stellaria</i>	9	12	13	–	1
18	<i>Potamogeton</i>	10	10	13	–	–
19	<i>Polygonum</i>	8	12	12	–	–
20	<i>Saxifraga</i>	4	12	12	–	–
	Total	217	394	434	5	6

The considerable latitudinal extent of the study area has resulted in the occurrence of numerous species reaching either their southern (122 species) or northern (163 species) distribution limits within the investigated territory. Based on the currently available distribution maps (Seregin 2026), five principal chorological groups can be distinguished in the studied flora:

1. Predominantly boreal species, concentrated mainly in the southern part of the territory (*Carex falcata*, *Dianthus superbus*, *Scorzonera radiata*, etc.);
2. Arcto-alpine and hypoarcto-montane species, occurring in mountain areas both in the northern and southern parts of the districts (*Dryas grandis*, *Pedicularis amoena*, etc.);
3. Hypoarctic, boreal, and plurizonal species, distributed throughout the study area (*Carex acuta*, *Poa palustris*, *Elymus subfibrosus*, etc.);
4. Meta-arctic and Arctic species, recorded only in the northern part of EVEN (*Potentilla hyparctica*, *Astragalus umbellatus*, etc.);
5. Species with insufficiently known distribution, represented by isolated records.

Of the 1316 species recorded in the cumulative flora, 60 species are included in the Red Data Book of Krasnoyarsk Krai (Stepanov 2022), of which 7 species of Orchidaceae and Orobanchaceae are also listed in the Red Data Book of the Russian Federation (Geltman 2024). The relatively small number of alien species is noteworthy and may reflect the comparatively low anthropogenic pressure on the vegetation, owing to the remoteness and poor accessibility of many parts of both districts. Nevertheless, the proportion of alien species is higher in TUR (8%) than in EVEN (3.7%), which is likely related to the more developed transport network in the former, particularly navigation along the Yenisei River and its major tributaries.

Conclusion

This study presents the first inventory of the vascular flora of two of the least explored regions of Russia – the Turukhansky and Evenkiysky municipal raions of Krasnoyarsk Krai. The cumulative flora comprises 1316 species (including 13 hybrids) belonging to 383 genera and 88 families. A total of 76 species were recorded as alien. The flora of the Turukhansky Raion includes 771 species, of which 39 species are reported on the basis of previously unpublished herbarium specimens and personal observations. The flora of the Evenkiysky Raion includes 1171 species, of which 73 species are newly reported for the district. The substantial difference in floristic richness between the two raions is explained by their different geographical extent and, above all, by the markedly different landscape diversity of the territories they occupy.

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