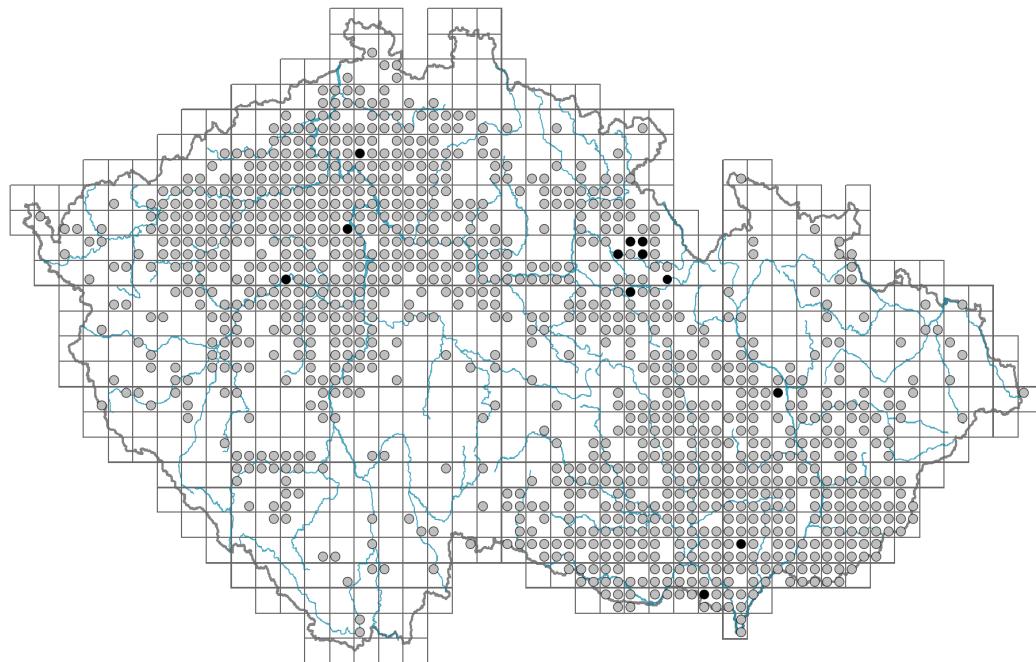


Festuca rupicola

Distribution



Map info	
●	revised records
○	unrevised records
On the map are not visualized records without the coordinates and records marked as incorrect or doubtful.	



Habitus and growth type

Height [m]: **0.2-0.7**

Growth form: **clonal herb**

Life form: **hemicryptophyte**

Life strategy: **CS - competitor/stress-tolerator**

Life strategy (Pierce method based on leaf traits): **S/SR**

Life strategy (Pierce method, C-score): **7.2 %**

Life strategy (Pierce method, S-score): **78.5 %**

Life strategy (Pierce method, R-score): **14.4 %**

Leaf

Leaf presence and metamorphosis: **leaves present, not modified**

Leaf arrangement (phyllotaxis): **alternate**

Leaf shape: **simple - entire**

Stipules: **absent**

Petiole: **absent**

Leaf life span: **summer green**

Leaf anatomy: **scleromorphic**

Flower

Flowering period [month]: **May-June**

Karyology

Chromosome number (2n): **42**

Ploidy level (x): **6**

2C genome size [Mbp]: **12331.29**

1Cx monoploid genome size [Mbp]: **2055.21**

Genomic GC content: **47.1 %**



Taxon origin

Origin in the Czech Republic: **native**

Ecological indicator values

Ellenberg-type indicator values

Light indicator value: **8 - light plant, only exceptionally occurring at less than 40% of diffuse radiation incident in an open area**

Temperature indicator value: **6 - transition between values 5 and 7**

Moisture indicator value: **3 - missing on damp soil**

Reaction indicator value: **8x - transition between values 7 and 9, occurring mostly in calcium-rich conditions (generalist)**

Nutrient indicator value: **3 - occurring at nutrient-poor sites more frequently than at average sites and exceptionally at rich sites**

Salinity indicator value: **0 - not salt tolerant, glycophyte**

Indicator values for disturbance

Whole-community disturbance frequency indicator value: **-0.71**

Herb layer disturbance frequency indicator value: **-0.35**

Whole-community disturbance severity indicator value: **0.25**

Herb layer disturbance severity indicator value: **0.28**

Whole-community structure based disturbance indicator value: **0.49**

Herb layer structure-based disturbance indicator value: **0.57**

Habitat and sociology

Occurrence in habitats

1 Vegetation of cliffs, screes and walls

1A Calcareous cliffs: **1 - rare occurrence**

1B Siliceous cliffs and block fields: **1 - rare occurrence**

1D Mobile calcareous screes: **1 - rare occurrence**

6 Meadows and mesic pastures

6A Mesic Arrhenatherum meadows: **2 - optimum**

6C Pastures and park grasslands: **1 - rare occurrence**

6D Alluvial meadows of lowland rivers: **1 - rare occurrence**

6F Intermittently wet Molinia meadows: **1 - rare occurrence**

7 Acidophilous grasslands

7B Submontane Nardus grasslands: **1 - rare occurrence**

8 Dry grasslands

8A Hercynian dry grasslands on rock outcrops: **1 - rare occurrence**

- 8B Submediterranean dry grasslands on rock outcrops: **2 - optimum**
 8C Narrow-leaved sub-continental steppes: **3 - dominant**
 8D Broad-leaved dry grasslands: **2 - optimum**
 8E Acidophilous dry grasslands: **3 - dominant**
 8F Thermophilous forest fringe vegetation: **2 - optimum**
 9 Sand grasslands and rock-outcrop vegetation
 9B Open vegetation of acidic sands: **1 - rare occurrence**
 9C Festuca grasslands on acidic sands: **2 - optimum**
 9D Pannonian sand steppes: **1 - rare occurrence**
 9E Acidophilous vegetation of spring therophytes and succulents: **1 - rare occurrence**
 9F Basiphilous vegetation of spring therophytes and succulents: **2 - optimum**
 10 Saline vegetation
 10I Inland saline meadows: **1 - rare occurrence**
 11 Heathlands and scrub
 11A Dry lowland to subalpine heathlands: **1 - rare occurrence**
 11L Tall mesic and xeric shrub: **1 - rare occurrence**
 11N Low xeric scrub: **2 - optimum**
 12 Forests
 12C Oak-hornbeam forests: **1 - rare occurrence**
 12D Ravine forests: **1 - rare occurrence**
 12F Limestone beech forests: **1 - rare occurrence**
 12H Peri-Alpidic basiphilous thermophilous oak forests: **2 - optimum**
 12I Sub-continental thermophilous oak forests: **1 - rare occurrence**
 12J Acidophilous thermophilous oak forests: **1 - rare occurrence**
 12K Acidophilous oak forests: **1 - rare occurrence**
 12L Boreo-continental pine forests: **1 - rare occurrence**
 12O Peri-Alpidic pine forests: **2 - optimum**
 12T Robinia pseudacacia plantations: **1 - rare occurrence**
 12U Plantations of broad-leaved non-native trees: **1 - rare occurrence**
 12W Pine and larch plantations: **1 - rare occurrence**
 13 Anthropogenic vegetation
 13C Annual vegetation of trampled habitats: **1 - rare occurrence**
 13D Perennial thermophilous ruderal vegetation: **1 - rare occurrence**
 Affinity to the forest environment
 Affinity to the forest environment in Thermophyticum: **0 - taxon that does not spontaneously occur in Czech forests**
 Affinity to the forest environment in Mesophyticum and Oreophyticum: **0 - taxon that does not spontaneously occur in Czech forests**
 Diagnostic taxon
 Diagnostic taxon of classes: [**TH Festuco-Brometea**](#)
 Diagnostic taxon of alliances: [**THE Cirsio-Brachypodion pinnati, THF Bromion erecti**](#)
 Diagnostic taxon of associations: [**THD03 Festuco rupicolae-Caricetum humilis, THD06 Astragalo exscapi-Crambetum tatariae, THE01 Scabioso ochroleucae-Brachypodietum pinnati, THE03 Polygalo majoris-Brachypodietum pinnati, THF02 Brachypodio pinnati-Molinietum arundinaceae, XCA02 Salvio nemorosae-Marrubietum peregrini**](#)

Constant taxon

Constant taxon of classes: [**TH Festuco-Brometea**](#)

Constant taxon of alliances: [**THD Festucion valesiacae, THE Cirsio-Brachypodion pinnati, THF Bromion erecti**](#)

Constant taxon of associations: [**LCA02 Lithospermo purpurocaerulei-Quercetum pubescantis, TFC01 Sileno otitae-Festucetum brevipilae, THC04 Asplenio cuneifolii-Seslerietum caeruleae, THD03 Festuco rupicolae-Caricetum humilis, THD04 Koelerio macranthae-Stipetum joannis, THD05 Stipetum tirsae, THD06 Astragalo exscapi-Crambetum tatariae, THE01 Scabioso ochroleucae-Brachypodietum pinnati, THE03 Polygalo majoris-Brachypodietum pinnati, THE04 Plantagini maritimae-Caricetum flaccae, THF01 Carlino acaulis-Brometum erecti, THF02 Brachypodio pinnati-Molinietum arundinaceae, THG01 Potentillo heptaphyllae-Festucetum rupicolae, THH03 Geranio sanguinei-Peucedanetum cervariae, XCA02 Salvio nemorosae-Marrubietum peregrini**](#)

Dominant taxon

Dominant taxon of associations: [**KBB04 Pruno spinosae-Ligustretum vulgaris, TDA04 Potentillo albae-Festucetum rubrae, THD01 Festuco valesiacae-Stipetum capillatae, THD03 Festuco rupicolae-Caricetum humilis, THE01 Scabioso ochroleucae-Brachypodietum pinnati, THF01 Carlino acaulis-Brometum erecti, THG01 Potentillo heptaphyllae-Festucetum rupicolae, XCA02 Salvio nemorosae-Marrubietum peregrini**](#)

Ecological specialization indices

Ecological specialization index for all vegetation types: **4.6**

Ecological specialization index for non-forest vegetation: **4.6**

Ecological specialization index for forest vegetation: **4.8**

Colonization ability

Index of colonization success (ICS): **8**

Index of colonization potential (ICP): **5**

Optimum successional age [years]: **32**

Distribution and frequency

Floristic zone: **northern temperate, southern temperate, submeridional, meridional**

Floristic region: **Europe, Western Asia**

Continentality degree: **8**

Distribution range extension along the continentality gradient: **4**

Elevational belt in the Czech Republic: **lowlands, colline belt, submontane belt**

Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: 429

taxon.data.freq_in_quad: 1075

Commonness in vegetation plots from the Czech Republic

Occurrence frequency in vegetation plots: **3.6 %**

Occurrence frequency in vegetation plots with a cover above 5%: **38 %**

Occurrence frequency in vegetation plots with a cover above 25%: **13.2 %**

Occurrence frequency in vegetation plots with a cover above 50%: **3.5 %**

Mean percentage cover in vegetation plots: **10.6 %**

Maximum percentage cover in vegetation plots: **63 %**

Number of habitats with taxon occurrence in the Czech Republic

Number of narrow habitats in which the taxon occurs: **37**

Number of narrow habitats in which the taxon has its optimum: **11**

Number of broad habitats in which the taxon occurs: **9**

Number of broad habitats in which the taxon has its optimum: **5**

Threats and protection

Red List 2017 (national categories): **taxon is not on the Red List**

Red List 2017 (IUCN categories): **LC(NA) - least concern (taxon is not on the Red List)**

Legal protection: **not protected by law**