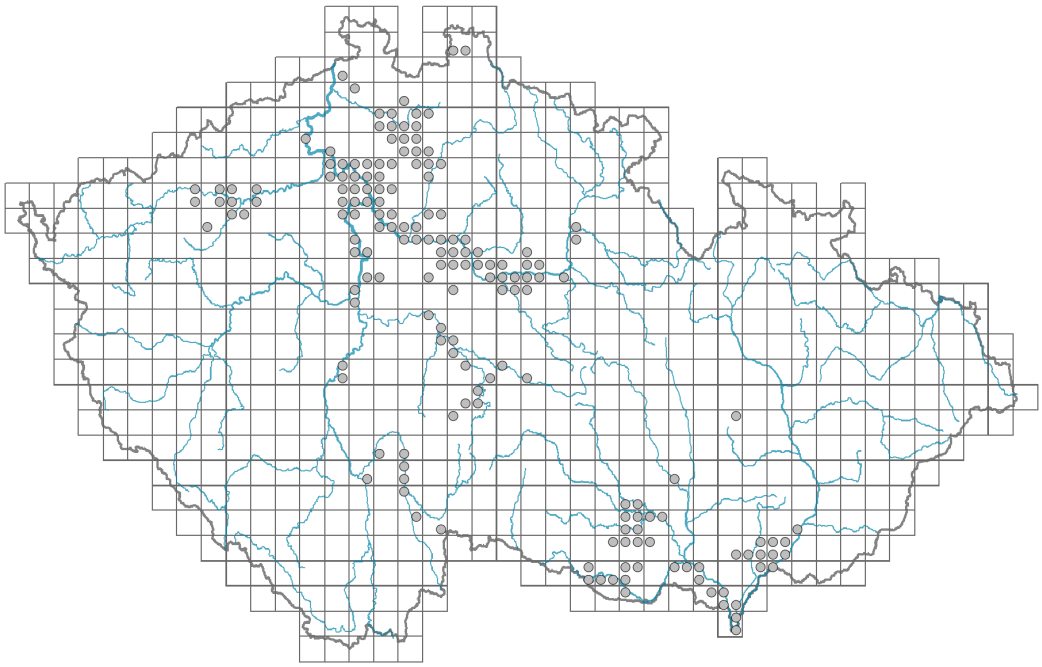
Armeria elongata subsp. *elongata*

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]: **0.2–0.5**
Life form: **hemicryptophyte**

Leaf

Leaf presence and metamorphosis: **leaves present, not modified**
Leaf arrangement (phyllotaxis): **rosulate**
Leaf shape: **simple – entire**
Stipules: **absent**
Petiole: **absent**

Flower

Flowering period [month]: **May–September**
Flower colour: **pink**
Flower symmetry: **actinomorphic**
Perianth type: **calyx and corolla**
Perianth fusion: **fused**
Shape of the sympetalous corolla or syntepalous perianth: **funnel-shaped**
Calyx fusion: **synsepalous**
Inflorescence type: **capitulum**

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Fruit, seed and dispersal

Fruit type: **dry fruit – capsule**
Dispersal unit (diaspore): **seed**
Dispersal strategy: **Allium (mainly autochory)**
Myrmecochory: **non-myrmecochorous (b)**

Trophic mode

Parasitism and mycoheterotrophy: **autotrophic**
Carnivory: **non-carnivorous**
Symbiotic nitrogen fixation: **no nitrogen-fixing symbionts**

Karyology

Chromosome number (2n): **18**
Ploidy level (x): **2**
2C genome size [Mbp]: **8663.19**
1Cx monoploid genome size [Mbp]: **4331.6**
Genomic GC content: **42.7 %**

Taxon origin

Origin in the Czech Republic: **native**

Ecological indicator values

Ellenberg-type indicator values

Light indicator value: **7 – half-light plant, mostly occurring at full light, but also in the shade up to about 30% 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: **5 – indicator of moderate acidity, occurring rarely in strongly acidic as well as in neutral to alkaline conditions**
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: **-0.09**
Herb layer disturbance frequency indicator value: **-0.09**
Whole-community disturbance severity indicator value: **0.25**
Herb layer disturbance severity indicator value: **0.29**
Whole-community structure based disturbance indicator value: **0.6**
Herb layer structure-based disturbance indicator value: **0.67**

Habitat and sociology

Occurrence in habitats

6 Meadows and mesic pastures

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

8 Dry grasslands

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

8C Narrow-leaved sub-continental steppes: **1 – rare occurrence**

8E Acidophilous dry grasslands: **1 – rare occurrence**

9 Sand grasslands and rock-outcrop vegetation

9B Open vegetation of acidic sands: **2 – optimum**

9C Festuca grasslands on acidic sands: **2 – optimum**

9D Pannonian sand steppes: **2 – optimum**

11 Heathlands and scrub

11A Dry lowland to subalpine heathlands: **1 – rare occurrence**

12 Forests

12K Acidophilous oak forests: **1 – rare occurrence**

12L Boreo-continental pine forests: **1 – rare occurrence**

12W Pine and larch plantations: **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: **TF *Koelerio-Corynephoretea***

Diagnostic taxon of alliances: **TFA *Corynephorion canescentis***, **TFC *Armerion elongatae***, **THG *Koelerio-Phleion phleoidis***

Diagnostic taxon of associations: **TFC01 *Sileno otitae-Festucetum brevipilae***, **TFC02 *Erysimo diffusi-Agrostietum capillaris***, **THA04 *Helichryso arenarii-Festucetum pallentis***, **THG02 *Avenulo pratensis-Festucetum valesiacae***

Constant taxon

Constant taxon of alliances: **TFC *Armerion elongatae***

Constant taxon of associations: **TFC01 *Sileno otitae-Festucetum brevipilae***, **TFC02 *Erysimo diffusi-Agrostietum capillaris***, **THA04 *Helichryso arenarii-Festucetum pallentis***, **THG02 *Avenulo pratensis-Festucetum valesiacae***

Ecological specialization indices

Ecological specialization index for all vegetation types: **5.4**

Ecological specialization index for non-forest vegetation: **5.4**

Ecological specialization index for forest vegetation: **5.5**

Distribution and frequency

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

Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: 92

taxon.data.freq_in_quad: 171

Commonness in vegetation plots from the Czech Republic

Occurrence frequency in vegetation plots: **0.4 %**

Occurrence frequency in vegetation plots with a cover above 5%: **15.9 %**

Occurrence frequency in vegetation plots with a cover above 25%: **0.9 %**

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Occurrence frequency in vegetation plots with a cover above 50%: **0 %**
Mean percentage cover in vegetation plots: **4.2 %**
Maximum percentage cover in vegetation plots: **38 %**

Number of habitats with taxon occurrence in the Czech Republic

Number of narrow habitats in which the taxon occurs: **11**
Number of narrow habitats in which the taxon has its optimum: **4**
Number of broad habitats in which the taxon occurs: **5**
Number of broad habitats in which the taxon has its optimum: **2**

Threats and protection

Red List 2017 (national categories): **C4a – near threatened taxon**
Red List 2017 (IUCN categories): **NT – near threatened**
Legal protection: **not protected by law**

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