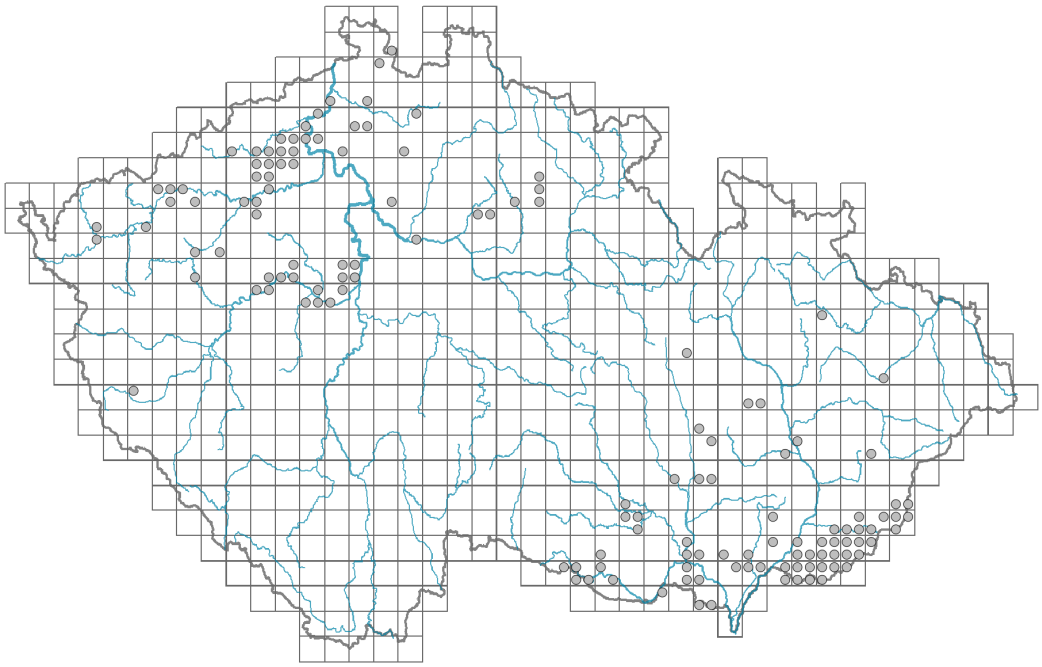
# *Valeriana stolonifera* subsp. *angustifolia*

## 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]: **0.4–1.3**
Growth form: **clonal herb**
Life form: **hemicryptophyte**

### Leaf

Leaf presence and metamorphosis: **leaves present, not modified**
Leaf arrangement (phyllotaxis): **opposite**
Leaf shape: **compound – imparipinnate**
Stipules: **absent**
Petiole: **present**

### Flower

Flower colour: **white, pink**
Flower symmetry: **zygomorphic**
Perianth type: **calyx reduced, corolla present**
Perianth fusion: **fused**
Shape of the sympetalous corolla or syntepalous perianth: **funnel-shaped, tubular**
Calyx fusion: **synsepalous**
Inflorescence type: **panicula e dichasiis composita**

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## Fruit, seed and dispersal




Fruit type: **dry fruit – achene/cypsela/samara**
Fruit colour: **brown**
Dispersal unit (diaspore): **fruit, infrutescence or its part**
Dispersal strategy: **Epilobium (mainly anemochory and 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): **28**
Ploidy level (x): **4**
2C genome size [Mbp]: **4280.28**
1Cx monoploid genome size [Mbp]: **1070.07**
Genomic GC content: **39.7 %**

## 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: **7 – heat indicator, occurring in relatively warm lowlands**
Moisture indicator value: **4 – transition between values 3 and 5**
Reaction indicator value: **7 – indicator of slightly acidic to slightly basic conditions, never occurring in very acidic conditions**
Nutrient indicator value: **4 – transition between values 3 and 5**
Salinity indicator value: **1 – salt tolerant, mostly on low-salt to salt-free soils, but occasionally on slightly salty soils**

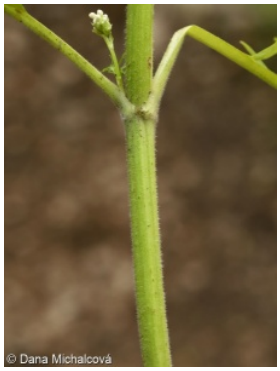



### Indicator values for disturbance

Whole-community disturbance frequency indicator value: **-1.42**
Herb layer disturbance frequency indicator value: **-0.75**
Whole-community disturbance severity indicator value: **0.2**
Herb layer disturbance severity indicator value: **0.18**
Whole-community structure based disturbance indicator value: **0.28**
Herb layer structure-based disturbance indicator value: **0.4**

## Habitat and sociology

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## Occurrence in habitats

### 1 Vegetation of cliffs, screes and walls

1A Calcareous cliffs: **2 – optimum**
1B Siliceous cliffs and block fields: **1 – rare occurrence**
1D Mobile calcareous screes: **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: **1 – rare occurrence**
8D Broad-leaved dry grasslands: **1 – rare occurrence**
8E Acidophilous dry grasslands: **1 – rare occurrence**
8F Thermophilous forest fringe vegetation: **2 – optimum**

### 11 Heathlands and scrub

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: **2 – optimum**
12J Acidophilous thermophilous oak forests: **2 – optimum**
12O Peri-Alpidic pine forests: **1 – rare occurrence**
12W Pine and larch plantations: **1 – rare occurrence**

### 13 Anthropogenic vegetation

13F Herbaceous vegetation of forests clearings and Rubus scrub: **1 – rare occurrence**

## Affinity to the forest environment

Affinity to the forest environment in Thermophyticum: **2.1 – taxon occurring both in the forest and open vegetation**
Affinity to the forest environment in Mesophyticum and Oreophyticum: **2.1 – taxon occurring both in the forest and open vegetation**

## Diagnostic taxon

Diagnostic taxon of alliances: **LCB *Aceri tatarici-Quercion***
Diagnostic taxon of associations: **LCB01 *Quercetum pubescenti-roboris***, **LCB02 *Carici fritschii-Quercetum roboris***, **SAC02 *Festuco pallentis-Saxifragetum rosaceae***, **THF02 *Brachypodio pinnati-Molinietum arundinaceae***

## Constant taxon

Constant taxon of associations: **LCB02 *Carici fritschii-Quercetum roboris***

## Ecological specialization indices

Ecological specialization index for all vegetation types: **5.1**
Ecological specialization index for non-forest vegetation: **5.5**
Ecological specialization index for forest vegetation: **4.7**

## Distribution and frequency

Continentality degree: **6**
Distribution range extension along the continentality gradient: **5**

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Elevational belt in the Czech Republic: **colline belt, submontane belt**
Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: 92
taxon.data.freq_in_quad: 153

### Commonness in vegetation plots from the Czech Republic

Occurrence frequency in vegetation plots: **0.2 %**
Occurrence frequency in vegetation plots with a cover above 5%: **4 %**
Occurrence frequency in vegetation plots with a cover above 25%: **0 %**
Occurrence frequency in vegetation plots with a cover above 50%: **0 %**
Mean percentage cover in vegetation plots: **2.5 %**
Maximum percentage cover in vegetation plots: **13 %**

### Number of habitats with taxon occurrence in the Czech Republic

Number of narrow habitats in which the taxon occurs: **20**
Number of narrow habitats in which the taxon has its optimum: **7**
Number of broad habitats in which the taxon occurs: **5**
Number of broad habitats in which the taxon has its optimum: **4**

## Threats and protection

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

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