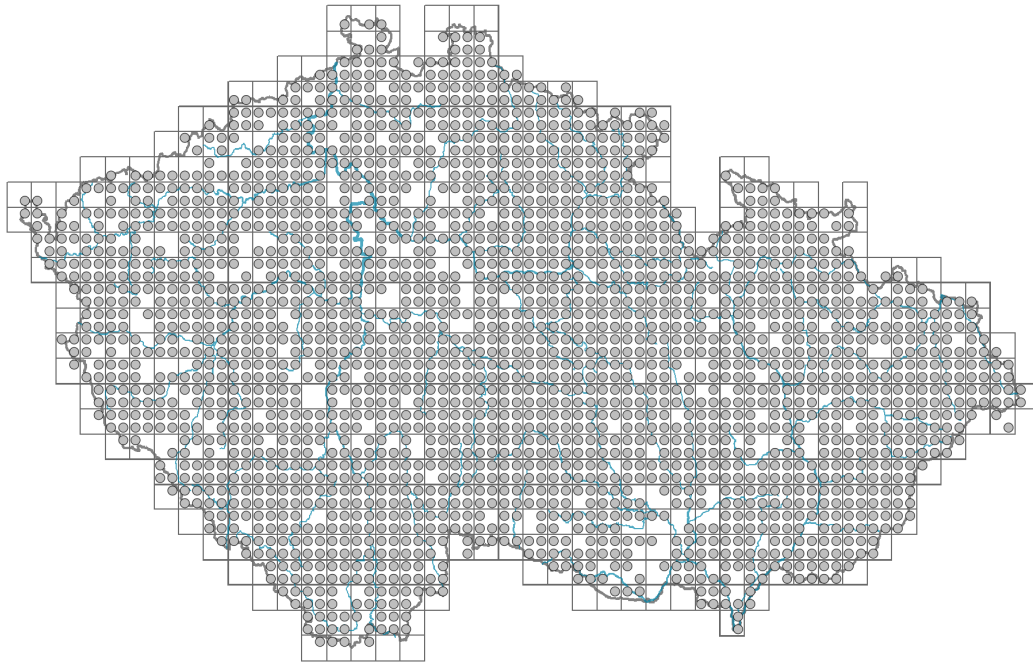


Prunella vulgaris

Distribution



Map info	
<input checked="" type="radio"/>	revised records
<input type="radio"/>	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]: **0.05-0.25**

Growth form: **clonal herb**

Life form: **hemicryptophyte**

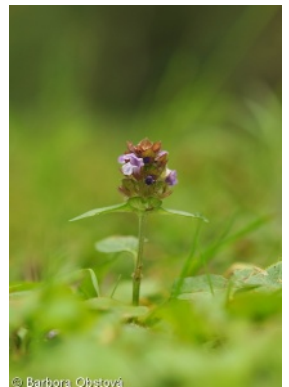
Life strategy: **CSR - competitor/stress-tolerator/ruderal**

Life strategy (Pierce method based on leaf traits): **R/CR**

Life strategy (Pierce method, C-score): **30.1 %**

Life strategy (Pierce method, S-score): **0 %**

Life strategy (Pierce method, R-score): **69.9 %**



Leaf

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

Leaf arrangement (phyllotaxis): **opposite**

Leaf shape: **simple - entire**

Stipules: **absent**

Petiole: **mainly present**

Leaf life span: **evergreen**

Leaf anatomy: **mesomorphic**



Flower

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

Flowering phase: **8 Clematis vitalba-Galium sylvaticum (mid-summer)**

Flower colour: **blue**

Flower symmetry: **zygomorphic**

Perianth type: **calyx and corolla**

Perianth fusion: **fused**

Shape of the sympetalous corolla or syntepalous perianth: **bilabiate**

Calyx fusion: **synsepalous**

Inflorescence type: **pseudospica e verticillastris composita**

Dicliny: **gynomonoecious, gynodioecious**

Generative reproduction type: **mixed mating**

Pollination syndrome: **insect-pollination, selfing**

Pollinator spectrum: **bumblebees (honeybee, solitary bees, other Hymenoptera, hoverflies, meat flies s. l., other Diptera, butterflies, beetles, unknown)**

Fruit, seed and dispersal

Fruit type: **dry fruit - cluster of four one-seeded nutlets**

Fruit colour: **brown**

Reproduction type: **by seed/spores and vegetatively**

Dispersal unit (diaspore): **fruit, infrutescence or its part**

Dispersal strategy: **Allium (mainly autochory)**

Myrmecochory: **myrmecochorous**

Belowground organs and clonality

Shoot metamorphosis: **stolon**

Storage organ: **stolon**

Type of clonal growth organ: **stolon**

Freely dispersible organs of clonal growth: **absent**

Shoot life span (cyclicity): **dicyclic or polycyclic shoots prevailing**

Branching type of stem-derived organs of clonal growth: **sympodial**

Primary root: **absent**

Persistence of the clonal growth organ [year]: **2.1**

Number of clonal offspring: **5.2**

Lateral spreading distance by clonal growth [m]: **0.13**

Clonal index: **5**

Bud bank

Number of buds per shoot at the soil surface (root buds excluded): **11**

Number of buds per shoot at a depth of 0–10 cm (root buds excluded): **4**

Number of buds per shoot at a depth greater than 10 cm (root buds excluded): **0**

Size of the belowground bud bank (root buds excluded): **15**

Depth of the belowground bud bank (root buds excluded) [cm]: **2**

Number of buds per shoot at the soil surface (root buds included): **11**

Number of buds per shoot at a depth of 0–10 cm (root buds included): **4**

Number of buds per shoot at a depth greater than 10 cm (root buds included): **0**

Size of the belowground bud bank (root buds included): **15**

Depth of the belowground bud bank (root buds included) [cm]: **2**



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]: **1209.75**

1Cx monoploid genome size [Mbp]: **302.44**

Genomic GC content: **39.1 %**

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: **5x - moderate heat indicator, occurring from lowland to montane belt, mainly in submontane-temperate areas (generalist)**

Moisture indicator value: **5 - indicator of fresh soils, focus on soils of average moisture, missing on wet and on soils that frequently dry out**

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

Nutrient indicator value: **5x - occurring at moderately nutrient-rich sites, and less frequently at poor and rich sites (generalist)**

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: **-0.67**

Herb layer disturbance frequency indicator value: **-0.27**

Whole-community disturbance severity indicator value: **0.32**

Herb layer disturbance severity indicator value: **0.35**

Whole-community structure based disturbance indicator value: **0.55**

Herb layer structure-based disturbance indicator value: **0.71**

Habitat and sociology

Occurrence in habitats

4 Wetland and riverine herbaceous vegetation

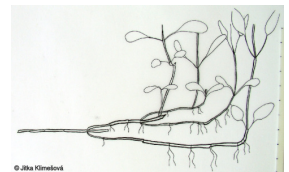
4E Reed vegetation of brooks: **1 - rare occurrence**

4G Tall-sedge beds: **1 - rare occurrence**

4H Vegetation of low annual hygrophilous herbs: **1 - rare occurrence**

4K Petasites fringes of montane brooks: **1 - rare occurrence**

5 Vegetation of springs and mires



- 5B Lowland to montane soft-water springs: **1 - rare occurrence**
5D Calcareous fens: **2 - optimum**
5E Acidic moss-rich fens and peatland meadows: **2 - optimum**
5F Transitional mires: **1 - rare occurrence**
5H Wet peat soils and bog hollows: **1 - rare occurrence**
- 6 Meadows and mesic pastures
6A Mesic Arrhenatherum meadows: **2 - optimum**
6B Montane mesic meadows: **2 - optimum**
6C Pastures and park grasslands: **2 - optimum**
6D Alluvial meadows of lowland rivers: **2 - optimum**
6E Wet Cirsium meadows: **2 - optimum**
6F Intermittently wet Molinia meadows: **2 - optimum**
6G Vegetation of wet disturbed soils: **2 - optimum**
- 7 Acidophilous grasslands
7A Subalpine and montane acidophilous grasslands: **1 - rare occurrence**
7B Submontane Nardus grasslands: **2 - optimum**
- 8 Dry grasslands
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: **1 - rare occurrence**
- 9 Sand grasslands and rock-outcrop vegetation
9C Festuca grasslands on acidic sands: **1 - rare occurrence**
9E Acidophilous vegetation of spring therophytes and succulents: **1 - rare occurrence**
9F Basiphilous vegetation of spring therophytes and succulents: **1 - rare occurrence**
- 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: **1 - rare occurrence**
- 12 Forests
12A Alder carrs: **1 - rare occurrence**
12B Alluvial forests: **1 - rare occurrence**
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: **1 - rare occurrence**
12I Sub-continental thermophilous oak forests: **1 - rare occurrence**
12J Acidophilous thermophilous oak forests: **1 - rare occurrence**
12O Peri-Alpidic pine forests: **1 - rare occurrence**
- 13 Anthropogenic vegetation
13A Annual vegetation of ruderal habitats: **1 - rare occurrence**
13B Annual vegetation of arable land: **1 - rare occurrence**
13C Annual vegetation of trampled habitats: **2 - optimum**
13D Perennial thermophilous ruderal vegetation: **1 - rare occurrence**

13E Perennial nitrophilous herbaceous vegetation of mesic sites: **1 - rare occurrence**

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

Affinity to the forest environment

Affinity to the forest environment in Thermophyticum: **2.2 - taxon occurring partly in the forest, but mainly in open vegetation**

Affinity to the forest environment in Mesophyticum and Oreophyticum: **2.2 - taxon occurring partly in the forest, but mainly in open vegetation**

Diagnostic taxon

Diagnostic taxon of associations: [RBA03 Valeriano simplicifoliae-Caricetum flavae](#), [TDC02 Anthoxantho odorati-Agrostietum tenuis](#)

Constant taxon

Constant taxon of associations: [RBA01 Valeriano dioicae-Caricetum davallianae](#), [RBA02 Carici flavae-Cratoneuretum filicini](#), [RBA03 Valeriano simplicifoliae-Caricetum flavae](#), [TDC01 Lolio perennis-Cynosuretum cristati](#), [TDC02 Anthoxantho odorati-Agrostietum tenuis](#), [TDC04 Prunello vulgaris-Ranunculetum repentis](#), [TDE03 Lathyro palustris-Gratioletum officinalis](#), [TDF02 Cirsietum rivularis](#), [TEC02 Campanulo rotundifoliae-Dianthetum deltoidis](#)

Dominant taxon

Dominant taxon of associations: [TDC04 Prunello vulgaris-Ranunculetum repentis](#)

Ecological specialization indices

Ecological specialization index for all vegetation types: **5**

Ecological specialization index for non-forest vegetation: **5.1**

Ecological specialization index for forest vegetation: **4.4**

Colonization ability

Index of colonization success (ICS): **6**

Index of colonization potential (ICP): **4**

Optimum successional age [years]: **25.5**

Distribution and frequency

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

Floristic region: **circumpolar**

Distribution range extension along the continentality gradient: **6**

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

Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: **653**

taxon.data.freq_in_quad: **2223**

Commonness in vegetation plots from the Czech Republic

Occurrence frequency in vegetation plots: **4.2 %**

Occurrence frequency in vegetation plots with a cover above 5%: **6.1 %**

Occurrence frequency in vegetation plots with a cover above 25%: **1 %**

Occurrence frequency in vegetation plots with a cover above 50%: **0.1 %**

Mean percentage cover in vegetation plots: **3 %**

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: **44**

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

Number of broad habitats in which the taxon occurs: **10**

Number of broad habitats in which the taxon has its optimum: **4**

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**