

Species Datasheet

Datasheet No. A-140.085.034
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Viciapallida* Turcz.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *V. bakeri* Ali, *V. longidentata* Z.D. Xia, *V. sylvatica* Benth

3. Systematic Position: APG IV; Bentham and Hooker:

Bentham and Hooker (1862)

Kingdom: Plantae

Division: Phanerogamia

Class: Dicotyledons

Subclass: Polypetalae

Series: Calyciflorae

Cohors: Rosales Bercht. & J. Presl

Ordo: Leguminosae Juss.

Subordo: Papilionaceae Giseke

Genus: *Vicia* L.

Species: *Viciapallida* Turcz.

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Rosids
- Order: Fabales Bromhead
- Family: Fabaceae Lindl.
- Subfamily: Faboideae Rudd
- Genus: *Vicia* L.
- Species: *Viciapallida* Turcz.

4. Distribution:

Global Temperate regions of central Asia and central Siberia

India Jammu & Kashmir, Himachal Pradesh

5.Indigenous/Exotic/Endemic;Cultivated/Wild;Exotic;Wild

6.Threat Status:

IUCN

BSI

7.Habit and Habitat:Tall straggling glabrous climber

8.Life Form:Annual

9.Economic Importance:Forage crop

10. Probable Progenitor of:

11.DNA

C-value

Methodology

12.Basic chromosome number(s): $x = 7^{142}, 6^{143}$

13. Zygotic chromosome number(s): $2n = 14^{142}, 24^{143}$

14. Gametic chromosome number(s): $n = 7^{142}, 12^{143}$

15.Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/Neocentric chromosomes):

Image file

16.Ploidy level:Diploid¹⁴², Tetraploid¹⁴³

Image file

17.Agametoploidy:

18.Nature of polyploidy (auto, segmental, allo, autoallo):

19.Genomic formula:

20.Aberrant chromosome number(s)(aneuploidy, aneusomaty, polysomaty):

21.Somatic chromosomes:

Karyotype

Chromosome size

NOR chromosome(s)

Degree of asymmetry

Image file

22. Banding pattern(s):

Image file

23. Physical mapping of chromosomes:

In situ hybridization

Image file

Fluorescent in situ hybridization

Image file

24. Genomic in situ hybridization:

Image file

25. Linkage map:

Image file

26. Chromosome associations:

Female meiosis

Male meiosis 12 II¹⁴³

Image file

27. Chromosome distribution at anaphase I: 12:12¹⁴³

28. Genetic diversity:

Chromosomal level

Image file

DNA level

29. Any other information (Apomixis; Inversion; Male sterility; Pollen grain mitosis;

Pollen stainability; Translocation etc.): Pollen stainability: 73 - 99 %¹⁴³