

Species Datasheet

Datasheet No. A-140.085.007
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Viciacracca* L.
Subspecies
Variety
Cultivar
Hybrid

Image file

2. Synonyms: *Ervumcracca* (L.) Trautv., *Viciacracca* fo. *canescens* Maxim., *Vicia* *cracca* subsp. *heteropus* Freyn, *Viciacracca* var. *canescens* (Maxim.) Franch. & Sav., *Viciacracca* var. *japonica* Miq., *Viciahiteropus* Freyn, *Vicia* *lilacina* Ledeb., *Viciamacrophylla* B. Fedtsch.

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: *Viciacracca* L.

APG IV (2016)

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

4. Distribution:

Global Asia, Europe
India

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

6.Threat Status:

IUCN

BSI

7.Habit and Habitat:Herbaceous. Erect

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8.Life Form:Perennial

9.Economic Importance:Fodder. Green manure

10. Probable Progenitor of:

11.DNA

C-value

Methodology

12.Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n= 12, 14, 28^{137}$

14. Gametic chromosome number(s):

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

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16.Ploidy level:Diploid,Tetraploid¹³⁷

Image file

17.Agametoploidy:

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

19.Genomic formula:

20.Aberrant chromosome number(s)(aneuploidy, aneusomaty, polysomaty):Occasional aneuploids($2n= 27, 30$)¹³⁷

21.Somatic chromosomes:¹³⁷

Karyotype Majority submetcentricchromosomes

Chromosome sizeMedium

NOR chromosome(s)2-4

Degree of asymmetrySymmetrical

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

Image file

27. Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level¹³⁷

Image file

DNA level

29. Any other information (Apomixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocation etc.):