Species Datasheet

Datasheet No. A-140.002.015 **DBT- Networ**
(family.genus.species)

1. Taxon:

Species:*Vignamarina* (Burm. f) Merr.
Subspecies:
Variety:
Cultivar:
Hybrid:

Image file:

2. Synonyms:*Dolichosluteus* Sw.,*Phaseolusmarinus*Burm., *P. obovatus*Gagnep.,*Scytalis anomala* E. Mey., *S. retusa* E. Mey.,*Vignaanomala*Walp., *V. lutea* (Sw.) A. Gray, *V. repens* var. *lutea* (Sw.) Kuntze, *V. retusa* (E. Mey.) Walp.

3.Systematic Position:

APG IV (2016)

— Kingdom: Plantae
— Clade: Angiosperms
— Clade: Eudicots
— Clade: Rosids
— Order: FabalesBromhead
— Family: FabaceaeLindl.
— Subfamily: Faboideae Rudd
— Genus: *Vigna*Savi
— Species: *Vignamarina* (Burm.) Merr.

Bentham and Hooker (1862)

Kingdom: Plantae
Division:Phanerogamia
Class: Dicotyledons
Subclass: Polypetalae
Series: Calyciflorae
Cohors: RosalesBercht. & J. Presl
Ordo: LeguminosaeJuss.
Subordo: PapilionaceaeGiseke
Genus: *Vigna*Savi
Species: *Vignamarina* (Burm.) Merr.

4. Distribution:

Global: Africa, Australia, Americas, Fiji, Sri Lanka, coasts throughout tropics

India: Andaman and Nicobar Islands, Kerala, Orissa

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Twining herb, in the vicinity of sandy or stony sea shores, often just above the high tide mark, in coastal lagoons and river mouths, not occurring at much higher elevations

8. Life Form: Therophytes

9. Economic Importance: Cover crop, forage, eaten as a vegetable

10. Probable Progenitor of:

11. DNA

C-value **Methodology**

12. Basic chromosome number(s):

13. Zygotic chromosome number(s):2n=22[74,76]

14. Gametic chromosome number(s):

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

Image file

16. Ploidy level: Diploid[74,76]

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:[74]

KaryotypeMajority metacentric chromosomes

Chromosome size Small

NOR chromosome(s)4

Degree of asymmetry Symmetrical

Image file

22. Banding pattern(s):CMA/DAPI banding[76]

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 level

DNA level[61, 75]

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