

RESEARCH ARTICLE

Cytological and anatomical assessment of a few planting materials of tea (*Camellia* spp.)

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SUMMARY

In the present investigation, an effort was made to characterize and estimate the variation of 20 tea germplasm on the basis of cytological and anatomical characteristics. All the germplasm showed highly significant difference amongst them in all the parameters except the ploidy level. Here, all the germplasm were observed to be diploid having $2n=30$ no. of chromosome. From the anatomical parameters it was observed that THT8 followed by THT5, THT7, THT13 showed characteristic more likely towards Cambod type also recorded with higher phloem index. The planting material noted with higher phloem index in the present study can be considered as hybrid population which may be a good parent material for breeding programme.

Key Words : Germplasm, Cytological, Anatomical, Phloem index

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