

Agathosma betulina Bergboegoe



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Phylum: Angiosperms

Estimated genome size:

2280 million DNA base pairs (2.28 Gigabases)

Organism size:

2 meters (height)

Distribution:

Agathosma betulina has a restricted natural distribution area in the Western Cape. It is found on mountain slopes near Niewoudtville, Piketberg and Tulbagh and in the Cederberg Mountains.

Importance:

Wild plants of this species are still plentiful but are being harvested faster than they can reproduce, posing a threat to the species' survival. This has led to efforts to cultivate them. The plant has been used by the indigenous people of South Africa as a folk remedy for various disorders, including urinary tract infections. The essential oils and extracts of the leaves are used as flavouring for teas, candy, and a liquor known as buchu brandy in South Africa. The two primary chemical constituents of the oils of *A. betulina* are isomenthone and diosphenol. The extract is said to taste like blackcurrant.

PromethION Sequencing Report:

Output: 33.26 Gigabases

Approximate N50: 14.6 kilobases

Draft Genome Assembly Statistics:

Genome length: 0.55 Gigabases

BUSCO completeness score (single and duplicated genes): 99.3% [S:82.2%, D:11.1%]

Sample Contributor contact details

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