

Oxalis dines Floating Sorrel



© B. du Preez

Phylum: Tracheophyta

Estimated genome size:

768 million DNA base pairs (0.76Gigabases)

Organism size:

15 cm

Distribution:

Vernal pools from Clanwilliam to Knersvlakte and Nieuwoudtville escarpment.

Importance:

This remarkable aquatic *Oxalis* only grows in seasonal pools that dry up in summer. It is only very distantly related to some of the other morphologically similar aquatic species, providing a wonderful example of convergent evolution in the South African flora.

PromethION Sequencing Report:

Output: 95 Gigabases

Approximate N50: 5.61 kilobases

Draft Genome Assembly Statistics:

Genome length: 0.25 Gigabases

BUSCO completeness score (single and duplicated genes): 100%

Sample Contributor contact details

Dr Kenneth Oberlander

University of Pretoria

Kenneth.Oberlander@up.ac.za