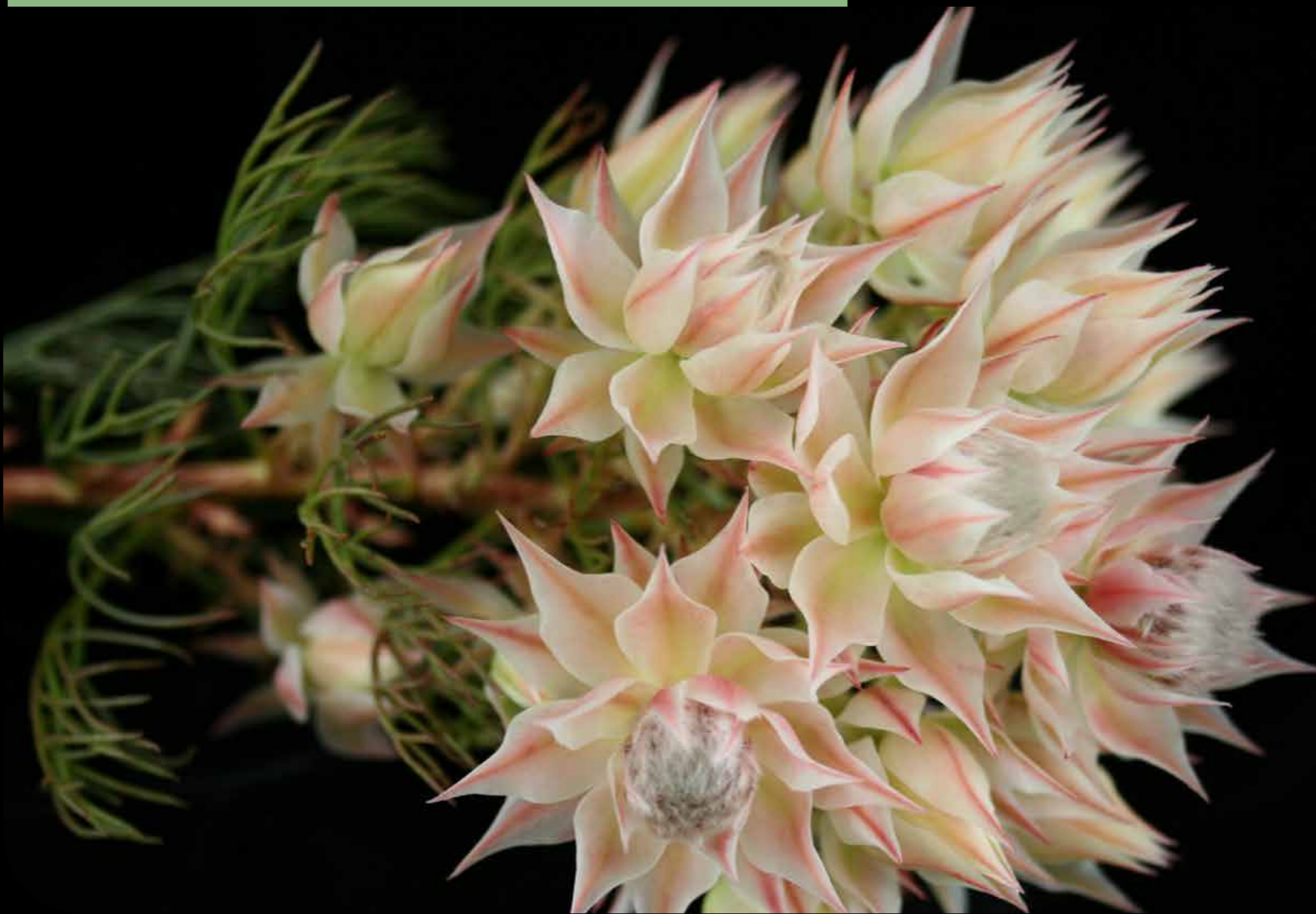


Serruria florida Blushing bride



© L. Blomerus

Phylum: Angiosperm

Estimated genome size: Unknown

Organism size: 0.6 – 1.5 meters in height

Distribution:

The blushing bride occurs close to Franschhoek on mountain slopes in soils derived from granite. It is Critically Endangered as it is threatened by alien invasive species such as hakea and pines. Too frequent fires are a critical threat to the remaining wild populations, as immature plants are not given enough time to produce seeds that will rejuvenate the underground seed bank.

Importance:

The blushing bride is one of the most delicate members of the Proteaceae family. Serruria has grown into an important member of the indigenous floriculture industry of South Africa. On the one hand the conservation of this endangered member is critical, but on the other the delicate flowers are creating jobs and earning international valuta on export of flowers.

PromethION Sequencing Report:

Output: 6.6 Gigabases

Approximate N50: 7.87 kilobases

Draft Genome Assembly Statistics:

Genome length: 0.49 Gigabases (487.2 million bases)

BUSCO completeness score (single and duplicated genes): 96.5%

[Single: 85.9%, Duplicated: 10.6%]

Sample Contributor contact details

Louisa Blomerus

Crop Development, Agricultural Research Council

Blomerusl@arc.agric.za