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OPTIMISATION OF REGENERATION SYSTEMS FOR A RANGE OF CASSAVA (*MANIHOT ESCULENTA* CRANTZ) CULTIVARS SUITABLE FOR GROWTH IN SOUTH AFRICA AND TRANSFORMATION WITH SACMV N-REP GENE

Murunwa Makwarela

A thesis submitted to the Faculty of Science, University of the Witwatersrand, in fulfilment of the requirements for the degree of Doctor of Philosophy in the School of Molecular and Cell Biology.

Johannesburg, 2006

DECLARATION

I declare that this thesis is my own, unaided work. It is being submitted for the degree of Doctor of Philosophy in the School of Molecular and Cell Biology, to the University of the Witwatersrand, Johannesburg. It has not been submitted before for any degree or examination in any other University.

_____.

Murunwa Makwarela

This_____day of _____20_____.