

# Summary of Linkage Projects Applications for Funding to Commence in 2006

## New South Wales

### Southern Cross University

LP0669369 Prof RJ Henry; Dr R Reinke; Dr AP Aryan

**Approved Project Title** Mining the rice genome for alleles of value in rice improvement

**2006 :** \$50,000

**2007 :** \$100,000

**2008 :** \$105,000

**2009 :** \$55,000

**Primary RFCD** 3002 CROP AND PASTURE PRODUCTION

APA(I) Award(s): 1

#### Partner Organisation(s)

NSW Department of Primary Industries

**Administering Institution** Southern Cross University

#### Project Summary

Food production and quality are determined by the varieties of food plants that are used in agriculture. A high quality rice genome sequence became available in 2005. This project will mine the data in the sequence to identify genes associated with key production and quality traits. New technologies and strategies will be developed and applied. The discoveries will be of value for the model crop, rice and for other cereal and food crops. Human health benefits from the availability of technologies to combine desirable nutritional traits and attractiveness to humans. This ensures healthy foods will be produced and consumed.