

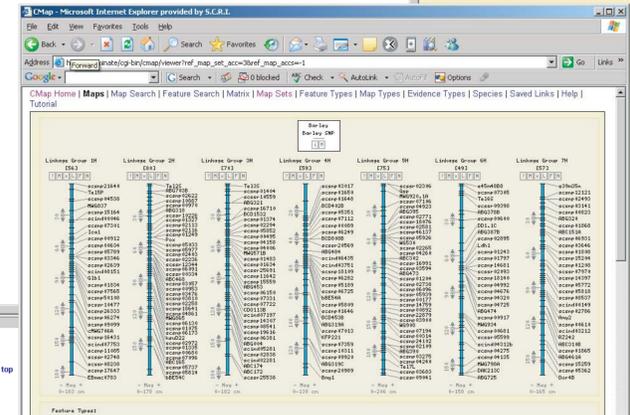
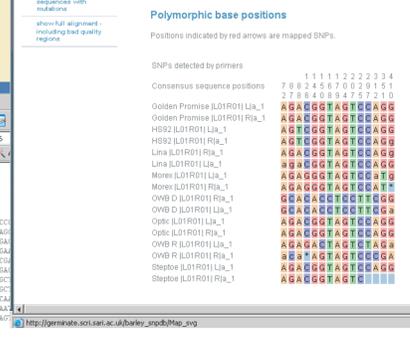
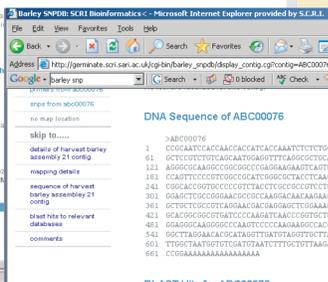
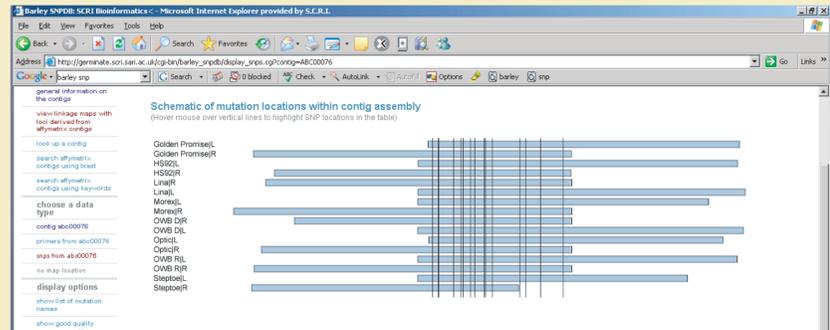
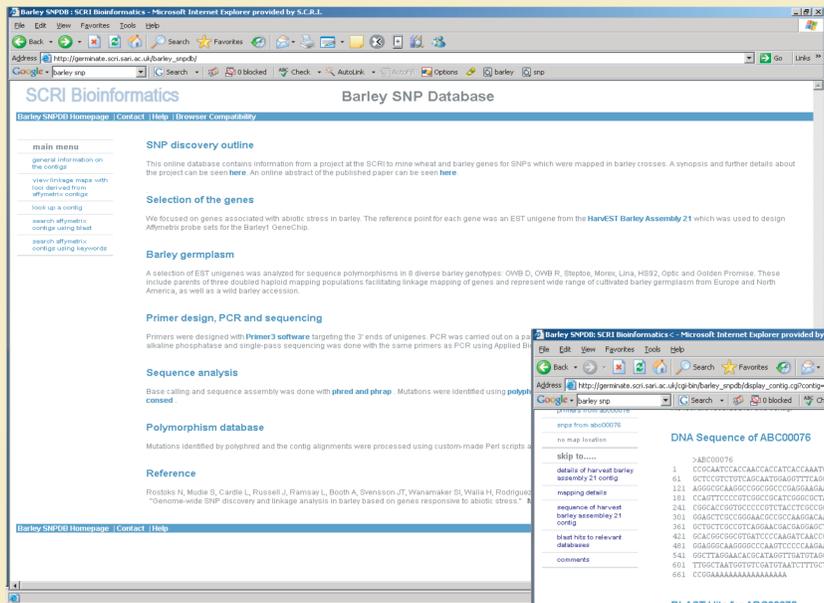
# Barley Mutant and SNP Databases at SCRI

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## SCRI Barley SNP Database

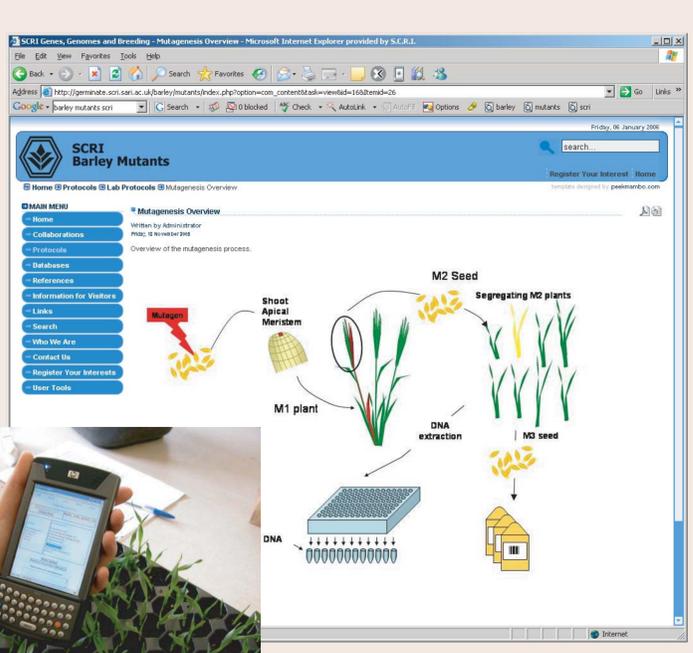
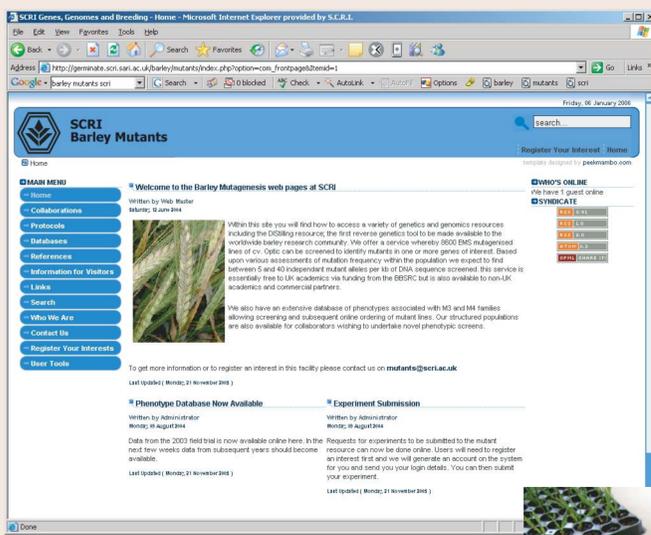


Our Barley SNP Database has been developed to support the Barley SNP projects at SCRI. Currently we have information on over 55000 SNP polymorphisms in 1500 loci in barley, many of which are targeted to genes involved in response to abiotic stress. We have built our SNP analysis and nomenclature on the EST assembly that was used to construct the Affymetrix Barley1 Genechip. The database holds a wide range of support information including sequence from standard genotypes, polymorphic sites and Blast analysis to both rice and Arabidopsis. Many of the graphical display elements make use of SVG graphics.

The data set is rapidly expanding as new SNPs are incorporated. We also have recently improved the map displays through the use of CMAP. Currently, we are using the resulting increased resolution and quality of our barley map information to re-analyse the comparative maps of barley and rice. We gratefully acknowledge collaboration in this work with Dr Tim Close's group at UCR and Dr Andreas Graner and Dr Nils Stein at IPK.

[http://germinate.scri.sari.ac.uk/barley\\_snpdb/](http://germinate.scri.sari.ac.uk/barley_snpdb/)

## SCRI Barley Mutant Databases



The Barley Mutant portal at SCRI has been set up to support the Barley Tilling Project led by Dr Robbie Waugh and Dr David Leader. The portal gives access to our TILLING resources allowing researchers to submit candidate barley genes to the TILLING project and also to monitor the stage of ongoing work. In addition, we also have an extensive online database of visible mutant phenotypes, together with supporting images.

Potential collaborators wishing to make use of the SCRI Barley TILLING resources should either log on the SCRI Barley Mutant Portal (see address below) or email to [mutants@scri.ac.uk](mailto:mutants@scri.ac.uk)

<http://germinate.scri.ac.uk/barley/mutants/>

### Related Work

Please also see posters no 865 ( Germinate) and 897 (GVT)

### Acknowledgements

The authors gratefully acknowledge the financial support of the BBSRC and SEERAD