Genomic Arabidopsis Resource Network

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GeTCID update

JAtY Arabidopsis BAC library

This BAC library, developed by Ian Bancroft's group for the BBSRC IGF GARNet GeTCID service, has recently been end-sequenced and we've been busy mapping in silico against the Arabidopsis genome sequence. The results are now available at http://jic-bioinfo.bbsrc.ac.uk/cg-bin/ace/search/browser/JAtYDB. Please note this database is still under development; there are many bugs that we know about and even more that we don't! We aim to improve the query interface as a priority. For now, here are some example queries you can paste into the box on the query page (http://jic-bioinfo.bbsrc.ac.uk/cgi-bin/ace/searches/query/JAtYDB).

find clone inferred_to_contain = "At3g32890" (Gives a list of all clones that are inferred to contain gene model At3g32890)

find Gene_model title = "*transporter*"; follow clone (Gives a list of all clones that are inferred to contain gene models with anything including the phrase "transporter" in the annotation)

We will post more news to Arabuk on this topic soon.

Brassica A genome fingerprinted

The BBSRC IGF Brassica Genome Project passed a notable milestone recently with the completion of the fingerprinting of the Brassica rapa (A genome) BAC library. The project seeks to physically map the Brassica A and C genomes and to directly link the contigs we build with the Arabidopsis genome sequence by colony hybridisation screening with anchor probes. The database collating all this information has been rebuilt and is now available at http://brassica.bbsrc.ac.uk/IGF/. In the final phase of the project we will concentrate on quality control, integration with Brassica genetic maps and data dissemination to the community. In order to improve the latter, we would like to hear from you about your experience of using the database. Could you find what you needed? Do you have queries that seemingly can't be answered? Please use the "Contact us" link on the website.

BrassicaDB passes 2GB!

The BBSRC UK CropNet database BrassicaDB has just been rebuilt from EMBL release 72 and is available at http://ukcrop.net/perl/ace/search/BrassicaDB. It now contains nearly 430,000 sequences, most of which are B. oleracea GSS sequences from the CSHL/TIGR shotgun sequencing initiative. Over the coming weeks we will be computing BLAST homologies for these sequences and adding them to the precomputed data. As with all the CropNet databases, the BrassicaDB sequences are available for BLAST searches at http://ukcrop.net/perl/ace/ncbi_blast/

Paul Beckett and Martin Trick

back to welcome page | back to top of page

Please mail me your comments or suggestions.