

GigaScience at #ICG6: announcing the release of GigaDB and new datasets

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Feature Image

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GigaScience release posterAnother busy week for the [GigaScience](#) team, with the release of a new-look database, more datasets, and a number of talks and announcements at BGI's annual [International Conference of Genomics](#) in Shenzhen. It was a great (if exhausting) meeting this year, with the state-of-the art in genomics science on display, [announcements](#) of three exciting "Million Genomes" projects to come from the BGI and their many collaborators, and a chance to catch up with many members of our [editorial board](#) and friends.

GigaDb - a new look website

The biggest news at the meeting was the launch of our new-look [GigaDB.org](#) website and additional datasets at the pre-conference data release [workshop and press-conference](#). This is still very much in beta-form (comments and feedback greatly appreciated at <editorial@gigasciencejournal.com>), but builds upon our original [release](#) of datasets in July and presents them together in a single portal. Following the success of the outbreak [E. coli 0:104](#) and [Macaque](#) genome datasets in demonstrating the practicalities of [data citation](#), we have released another 20 datasets with citable [DOIs](#). These span most of the tree of life, and include previously unsupported data-types.

New Data from across the Tree of Life

Following on from the release of seven vertebrate genomes from the [Genome10K](#) project in July, we have now added genomic data from the [Sheep](#), [Tibetan Antelope](#) and [Naked Mole Rat](#). [Genome](#), [transcriptome](#) and [methyloome](#) data is provided from an Asian Individual, and we are currently uploading data from Ancient DNA studies on an Eskimo and Aboriginal Australian. We now have plant genomes from the [Potato](#), [Foxtail Millet](#), [Sorghum](#), [Cucumber](#), [Chinese Cabbage](#) and [Pigeon Pea](#), and invertebrate genomes from three species of ants, many strains of [silkworm](#) and a pathogenic pig [roundworm](#). Many of these datasets (including the Sheep, Tibetan Antelope, Millet, Sorghum and transcriptome data) are previously unpublished, this novel and more rapid release of data should potentially speed up research in these important model and commercial species, and in human health.

For more coverage on the meeting check out the [#icg6](#) hashtag on twitter, and reporting on the software and data release in [Bio-IT World](#). Laurie's slides are available [here](#), and slides from Scott's talk on data issues in the Bioinformatics session are also available [here](#). To see a video of Laurie's talk you can also see the following clip on [youtube](#).

The post [GigaScience at #ICG6: announcing the release of GigaDB and new datasets](#) appeared first on [GigaBlog](#).