

■ Literature and Resource Guide for the Genome-Wide SNP Array 6.0

Literature

Data Sheet: [Affymetrix Genome-Wide SNP Array 6.0](#)

Application Note: [A New Paradigm for Two-stage Association Studies](#)

Manual: [Genome-Wide Human SNP Nsp/Sty 6.0 User Guide](#)

Programs

[Controls Cohort Initiative](#) – Affymetrix has partnered with individual researchers and consortia to create a new, publicly available control cohort database for Affymetrix genome-wide array data. The database includes genotypes for more than 10,000 samples from a variety of ethnic backgrounds, with 5,000 to 10,000 additional samples expected to be added over the next year.

Publications

A full list of [publications](#) using Affymetrix genotyping arrays.

Webtalks

[Identifying Copy Number Variation using the Affymetrix SNP Array 6.0 and Partek Genomics Suite](#)
Tom Downey, President, Partek Inc.

[Whole-genome Association Analysis of Type 2 Diabetes](#)
David Altshuler, M.D., Ph.D., Broad Institute of MIT & Harvard

Affymetrix Microarray Bulletin articles

[Researchers Identify Smaller Genetic Variations With Whole-genome Mapping Studies](#)

Lon Cardon of the Wellcome Trust Centre for Human Genetics and the Fred Hutchinson Cancer Center and Wei-Min Chen of the University of Michigan discuss how the ability to do whole-genome scans will improve our understanding of complex diseases

[Italian Researchers Gain Insight into Common Diseases through Isolated Populations](#)

Mario Pirastu of The National Research Council of Italy and Paul Scheet of the University of Michigan discuss how the study of population isolates has contributed to understanding the genetic variants leading to common diseases

[New Gains in Understanding Coronary Artery Disease](#)

The Ottawa University Heart Institute's Robert Roberts and the University of Michigan's Paul Scheet discuss using Mapping 500K Arrays to investigate coronary artery disease and other complex diseases

Sample Data

The data sets for the [SNP Array 6.0](#) are made available on three DVDs from [Globalware Solutions](#). More information about these data sets can be found on the [Affymetrix website](#).

HapMap Sample Data Set – This data set contains the 270 samples from the [International HapMap Project](#) run on the SNP Array 6.0. The 270 samples are comprised of 30 CEPH trios, 30 Yoruban trios, 45 unrelated Han Chinese samples and 45 unrelated Japanese samples.

Chromosome X Titration Data Set – An additional collection of samples of particular use for exploring copy number variation.

Data Set Distribution Information – The data consists of Affymetrix GeneChip® Command Console™ Software (AGCC) ARR, CEL and/or CHP files. [AGCC](#) will replace GCOS.

CNV and SNP Annotations

Annotation information for each SNP and copy number probe on the SNP Array 6.0 can be accessed through simple or batch queries in the [NetAffx Analysis Center™](#).

An example of a full NetAffx record for a single SNP: [Details for SNP_A-1780851](#)

[Annotation and Sequence Files for Download](#) – The annotation and sequence files contain the complete entries for all probe sets on the array, taken from the NetAffx Analysis Center. They are intended to be used primarily in spreadsheet applications and database programs (such as SQL databases).

Genotyping Console Resources

Genotyping Console download information and instructions ([zip, 37 MB](#))

Algorithms are also available in [command-line format](#).

[Genotyping Console Manual](#)

[Informational Workflow](#)
