



Ready-to-use Spotted Arrays

- Human and mouse cDNA arrays
- Human and mouse CpG-island arrays
- Yeast ORF arrays
- Customised array printing
- High-throughput Liquid Handling

Genomics Services

- Affymetrix GeneChip® arrays
- Agilent arrays
- Illumina BeadChip arrays
- In-house arrays & ChIP-on-chip
- Labelling and hybridisation
- High-resolution array scanning
- Data analysis and warehousing
- Hands-on tutorials

Online Annotation Databases



UHN Microarray Centre



Genomics Services

- **Experimental Design & Consultation**
- **Pilot Studies**
- **Protocol Development**
- **Open Platform Array Services**
- **Quality Assurance**
- **Bioanalyzer Lab-on-a-chip**
- **Data Analysis and Warehousing**
- **Protein Array Development**

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ver. 05/09



The One-Stop Shop

for

*Genomic
 Research*

www.microarrays.ca

Microarray Centre Databases
Portal to Human CpG, Mouse CpG and cDNA microarray data.

Human CpG
The Microarray Centre's human CpG island arrays contains 12,192 spotted clones covering a large percentage of the CpG islands found in the human genome. With full annotation available through our easy to use web interface, a scientist can perform experiments probing everything from epigenetics to transcription factor binding regions. Click on the link below to see what regions are covered by the array or if you want to analyse the results from your experiment.

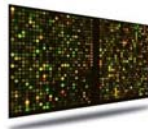
Mouse CpG
Our mouse CpG array is the first of its kind that is commercially available to researchers. With 7296 clones covering a large percentage of the mouse genome, the possibilities for novel discovery are here and waiting for your experiment! If you're a researcher analysing data from these chips, or simply want to see what's on the arrays, click the link below to see what's on the mouse CpG database front end.

cDNA
The Microarray Centre has been selling gene expression chips for almost 10 years. We've come to realize the importance, and stability, of gene arrays wrapped up all the basic information on all chips into an easily navigated interface. See what it's up to (or didn't) in your experiment, use it as a starting point for targets, or even use it if you're curious to see what's on the arrays. Or contact us for more information.

Bioinformatics Services

- Experimental Design
- Data Analysis and Consultation
- Secure User Portal Access
- In-house Annotation & Searches
- Linked Databases to NCBI, UCSC, PubMed & Others

Welcome to the Microarray Center's User Portal



Microarray project information, progress and data. Online. Secure.

The MicroarrayUsers site lets you login to see what progress has been made on your project, obtain results, data, and analysis through an easy to use interface. You can leave comments about your data and this will be read by staff at UHN Microarray Center in order to facilitate faster and more concise communication.

data with the

Project Workflow
The workflow for this project.

comp. #	task	% complete
1	Quotation generated	100 %
2	Signed quotation received	100 %
3	Customs forms requested	100 %
4	Sample received	100 %
5	Quality check of samples	100 %
6	Order arrays (or arrays in stock)	100 %
7	Labeling reaction	100 %
8	Hybridization	0 %
9	Scanning	0 %
10	Quantification	0 %
11	Analysis	0 %
12	new task	0 %
Sum		58 %

Affymetrix GeneChip

- Whole Genome Discovery
- GeneChip® technology
- Expression Analysis
 - Gene and Exon arrays
- SNP and Tiling Arrays
- Biomarker research

Illumina BeadChip

- Whole Genome Expression
- DASL Gene Expression
 - Profile degraded RNAs (FFPE-grade)
- MicroRNA Profiling
- DNA Methylation
- SNP and CNV Analyses
- Multiplex Array Formats
 - 6-, 8-, 12-plex arrays

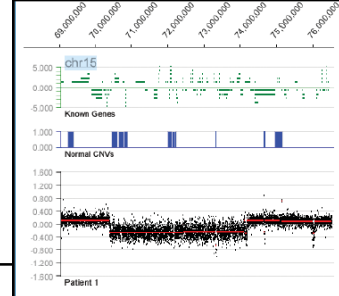
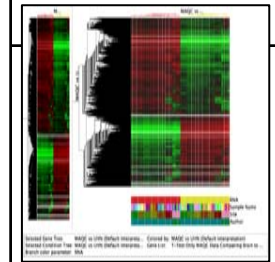
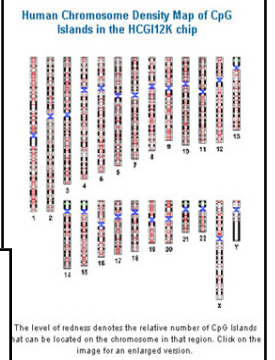
Agilent Technology

- Open Platform
 - ChIP-on-chip and DNA Methylation
 - Comparative Genomic Hybridisation
 - Gene Expression
 - MicroRNA
 - Splice Variant Analysis
- Custom-designed eArrays
 - Free custom probe design
 - User-friendly web-based application
 - Mix-and-match all catalog and custom content
 - Collaborative platform in shared workspace
 - Multiple array formats
 - (1M, 2x400K, 4x180K, 8x60K, 244K, 2x105K, 4x44K, 8x15K)

Human CpG Island Microarray Database

GO Slim Tree

- Gene_Ontology (2)
- biological_process (2)
 - development (1)
 - UHNhcdna0019146
 - physiological process (2)
 - metabolism (2)
 - cell organization and biogenesis (1)
 - organelle organization and biogenesis (1)
 - UHNhcdna0019146
 - cytoplasm organization and biogenesis (1)
 - UHNhcdna0019146
 - transport (1)
 - protein transport (1)
 - UHNhcdna0019146
 - cell communication (2)
 - signal transduction (2)
 - UHNhcdna0019132
 - UHNhcdna0019146
 - molecular_function (2)
 - binding (2)
 - lipid binding (1)
 - UHNhcdna0019146
 - protein binding (1)
 - UHNhcdna0019146
 - peptide binding (2)
 - UHNhcdna0019132
 - UHNhcdna0019146
 - signal transducer activity (2)
 - receptor activity (1)
 - UHNhcdna0019146
 - UHNhcdna0019132
 - catalytic activity (2)
 - transferase activity (2)
 - kinase activity (2)
 - protein kinase activity (2)
 - UHNhcdna0019132
 - UHNhcdna0019146
 - cellular_component (2)
 - cell (2)
 - intracellular (2)
 - nucleus (1)
 - UHNhcdna0019146
 - cytoplasm (1)
 - UHNhcdna0019132
 - organelle (2)
 - cytoskeleton (1)
 - UHNhcdna0019132



NimbleGen

- High-definition Genomics
 - ChIP-on-chip
 - Comparative Genomic Hybridisation
 - DNA Methylation
 - Gene Expression
- Multiplex Array Formats
 - 2.1M, 12x135K, 4x72K, 385K