

Affymetrix[®] NetAffx[™] Analysis Center

The powerful, open informatics resource exclusively from Affymetrix

The NetAffx[™] Analysis Center (www.affymetrix.com/analysis/), an integrated, online resource created by Affymetrix, enables researchers to correlate results from their GeneChip[®] probe array experiments with array design and annotation information. This dynamic tool provides scientists unprecedented access to array content, including probe sequences and extensive gene annotations from Affymetrix and the public domain.

Using this powerful, web-based tool, researchers can spend less time searching for information and more time making discoveries.

Investigate Affymetrix Array Contents

The NetAffx Analysis Center can streamline your genomic research efforts by providing convenient access to information underlying the design of GeneChip probe arrays. This unique delivery system enables you to search array contents for your sequence of interest, review gene and protein characterizations for probe sets and sort transcripts by functional group, metabolic pathway, disease association and more. Affymetrix and public domain probe sequences and array design sequences can be freely accessed and downloaded.



Figure 1: An example of relevant functional annotations and sequence information available online.

Bring Biological Context to Expression Results

Affymetrix[®] GeneChip[®] probe arrays enable you to generate high-quality gene expression data, and when used in conjunction with the NetAffx Analysis Center, lets you derive the maximum value from that data. It provides you with biological information for your probe sets of interest from both Affymetrix and the public domain. Using the Analysis Center with Affymetrix' Data Mining Tool software, you can quickly correlate your gene expression results directly to relevant annotations and sequence information for faster and more powerful analysis of experimental results.

Access Integrated Content from a Broad Range of Databases

Access informative public domain databases from your desktop using any commercial browser. You will find a broad range of searchable resources including:

- GenBank
- UniGene
- dBEST
- GenPept
- SWALL
- RefSeq
- BLOCKS
- SCOP
- PFAM
- LocusLink
- KEGG
- Gene Ontology (GO)

In addition, the NetAffx Analysis Center offers access to protein annotations generated by Affymetrix' world-class bioinformatics team, as well as sequence information from our array design databases.

Employ Powerful Query and Analysis Tools

Using the Analysis Center, you can quickly and easily conduct high-throughput queries against a range of important information sources.

- Search GeneChip arrays for hundreds of probe sets, gene names or public accession numbers of interest.
- Obtain an integrated view of extensive biological annotations for probe sets from Affymetrix and the public domain.
- Access and download probe sequences and sequences associated with array designs.
- Conduct BLAST similarity searches against Affymetrix array design sequence databases.




Count on Convenient, Secure Access

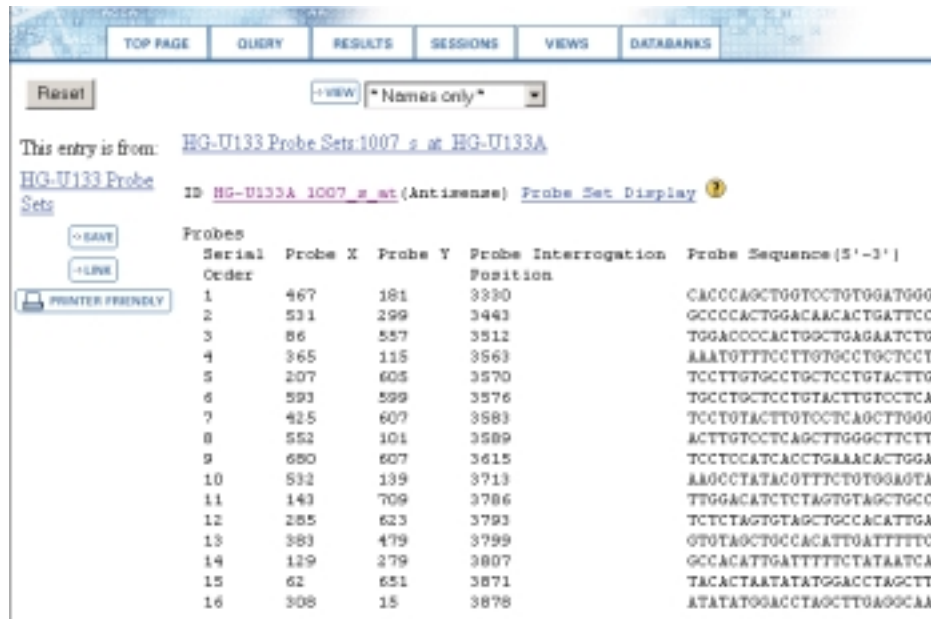
The NetAffx Analysis Center is easy to find--point your browser to www.affymetrix.com/analysis/. The Affymetrix Data Mining Tool software also provides direct access to the Analysis Center via a hyperlink.

No matter how you access it, you can be assured the NetAffx Analysis Center is password-protected and fully encrypted for maximum security. All scientific data and demographic information transferred to and from the Affymetrix website is secured by Secure Socket Layer (SSL)-level encryption. For more information on privacy and security, please see Affymetrix' privacy policies at www.affymetrix.com.

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The screenshot shows a web interface with a navigation bar (TOP PAGE, QUERY, RESULTS, SESSIONS, VIEWS, DATABASES) and a search bar. Below the search bar, there is a link to 'HG-U133 Probe Sets' and a table of probe sequences. The table has columns for Serial Order, Probe X, Probe Y, Probe Interrogation Position, and Probe Sequence (5'-3').

Serial Order	Probe X	Probe Y	Probe Interrogation Position	Probe Sequence (5'-3')
1	467	181	3330	CACCCAGCTGGTCTGTGGATGGG
2	531	299	3443	GCCTCACTGGACAACTGATTC
3	86	557	3512	TGGACCCACTGGCTGAGAATCTG
4	365	115	3563	AAATGTTTCCTTGTGCTGCTCT
5	207	605	3570	TCCTTGTGCTGCTCTGTACTTG
6	593	599	3576	TGCTGCTCTGTACTTGCTCTCA
7	425	607	3583	TCCTGTACTTGTCTCACTGCTGG
8	552	101	3589	ACTTGTCTCACTGCTGGCTCTT
9	680	607	3615	TCCTTCATCACTGAACTGGA
10	532	139	3713	AAGCCTATACCTTCTGTGGAATA
11	143	709	3786	TGGACATCTCTAGTGTAGCTGCC
12	285	623	3793	TCTTAGTGTAGCTGCCACATTTGA
13	383	479	3799	GTGTAGCTGCCACATTTGATTTTC
14	129	279	3807	GCCACATGATTTTCATAATCA
15	62	651	3871	TACACTAATATATGGACCTAGCTT
16	308	15	3878	ATATATGGACCTAGCTTGAAGCAA

Figure 2: Probe sequences are easily accessible via the NetAffx Analysis Center.

Visit The NetAffx Analysis Center Online

Register on the Affymetrix website to review informative tutorials, demonstrations, frequently asked questions, and a powerful set of information and tools - all at no charge. You may also dial our local support number for assistance in getting started. Accelerate your genomic research today.

For more information, contact your local Affymetrix representative.

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