Platform GPL570

Query DataSets for GPL570

Status	Public on Nov 07, 2003
Title	[HG-U133_Plus_2] Affymetrix Human Genome U133 Plus 2.0 Array
Technology type	in situ oligonucleotide
Distribution	commercial
Organism	Homo sapiens
Manufacturer	Affymetrix
Manufacture protocol	see manufacturer's web site

Complete coverage of the Human Genome U133 Set plus 6,500 additional genes for analysis of over 47,000 transcripts
All probe sets represented on the GeneChip Human Genome U133 Set are identically replicated on the GeneChip Human Genome U133 Plus 2.0 Array. The sequences from which these probe sets were derived were selected from GenBank®, dbEST, and RefSeq. The sequence clusters were created from the UniGene database (Build 133, April 20, 2001) and then refined by analysis and comparison with a number of other publicly available databases, including the Washington University EST trace repository and the University of California, Santa Cruz Golden-Path human genome database (April 2001 release).
In addition, there are 9,921 new probe sets representing approximately 6,500 new genes. These gene sequences were selected from GenBank, dbEST, and RefSeq. Sequence clusters were created from the UniGene database (Build 159, January 25, 2003) and refined by analysis and comparison with a number of other publicly available databases, including the Washington University EST trace repository and the NCBI human genome assembly (Build 31).

Description	Affymetrix submissions are typically submitted to GEO using the GEOarchive method described at http://www.ncbi.nlm.nih.gov/projects/geo/info/geo_affy.html June 03, 2009: annotation table updated with netaffx build 28 June 06, 2012: annotation table updated with netaffx build 32 June 23, 2016: annotation table updated with netaffx build 35
Web link	http://www.affymetrix.com/support/technical/byproduct.affx?product=hg-u133-plus http://www.affymetrix.com/analysis/index.affx
Submission date	Nov 07, 2003
Last update date	Dec 14, 2020
Organization	Affymetrix, Inc.
E-mail(s)	geo@ncbi.nlm.nih.gov, support@affymetrix.com
Phone	888-362-2447
URL	http://www.affymetrix.com/index.affx
Street address	
City	Santa Clara
State/province	CA
ZIP/Postal code	95051
Country	USA

Samples (162268) ⊞ More...	GSM18422, GSM18423, GSM18424, GSM18425, GSM18426, GSM18427
Series (5441) ⊞ More...	GSE1145 changes in cardiac transcription profiles brought about by heart failure
	GSE1643 Normal Variance of Gene Expression in the Human Lung
	GSE2109 Expression Project for Oncology (expO)

Relations

Alternative to	GPL4454 (Alternative CDF)
Alternative to	GPL4866 (Alternative CDF)
Alternative to	GPL5760 (Alternative CDF)
Alternative to	GPL6671 (Alternative CDF)
Alternative to	GPL6791 (Alternative CDF)

Alternative to	GPL6879 (Alternative CDF)
Alternative to	GPL7567 (Alternative CDF)
Alternative to	GPL8019 (Alternative CDF)
Alternative to	GPL8542 (Alternative CDF)
Alternative to	GPL8715 (Alternative CDF)
Alternative to	GPL8712 (Alternative CDF)
Alternative to	GPL9102 (Probe Level Version)
Alternative to	GPL9099 (Alternative CDF)
Alternative to	GPL9101 (Alternative CDF)
Alternative to	GPL9324 (Alternative CDF)
Alternative to	GPL9486 (Alternative CDF)
Alternative to	GPL9987 (Alternative CDF)
Alternative to	GPL10175 (Alternative CDF)
Alternative to	GPL10335 (Alternative CDF)
Alternative to	GPL10371 (Alternative CDF)
Alternative to	GPL10526 (Alternative CDF)
Alternative to	GPL10881 (Alternative CDF)
Alternative to	GPL10925 (Alternative CDF)
Alternative to	GPL11084 (Alternative CDF)
Alternative to	GPL11433 (Alternative CDF)
Alternative to	GPL11670 (Alternative CDF)
Alternative to	GPL13232 (Alternative CDF [HGU133Plus2_Hs_REFSEQ, Brainarray version 13.0.0])
Alternative to	GPL13303 (Alternative CDF.)
Alternative to	GPL13916 ([Brainarray ENSG Version 14.1])
Alternative to	GPL14837 (Alternative CDF)
Alternative to	GPL14877 ([Alternative CDF])
Alternative to	GPL15394 (Alternative CDF [HGU133Plus2_Hs_REFSEQ, Brainarray version 14.0])
Alternative to	GPL6732 (Alternative CDF [HGU133Plus2_Hs_REFSEQ, Brainarray version 7])
Alternative to	GPL15445 (Alternative CDF)
Alternative to	GPL16066 (Alternative CDF)
Alternative to	GPL16100 (Alternative CDF [GATExplorer_Ensembl v57])
Alternative to	GPL16268 (Alternative CDF [Brainarray ENSG Version 16])
Alternative to	GPL16273 (Alternative CDF [Brainarray ENSG Version 15])
Alternative to	GPL16311 (Alternative CDF [HGU133Plus2_Hs_ENTREZG Brainarray version 14.0.0])
Alternative to	GPL16356 (Alternative CDF [Brainarray HGU133Plus2_Hs_ENTREZG 15.0.0])
Alternative to	GPL16372 (Alternative CDF [Brainarray HGU133Plus2_Hs_UG v.13])
Alternative to	GPL17392 (Alternative CDF [HGU133Plus2_Hs_ENSG, Brainarray 17.1])
Alternative to	GPL17394 (Alternative CDF [HGU133Plus2_Hs_ENSG, Brainarray 13.0])
Alternative to	GPL17810 (Alternative CDF [HGU133Plus2_Hs_ENTREZG, Brainarray 16])
Alternative to	GPL17811 (Alternative CDF [HGU133Plus2_Hs_ENTREZG, Brainarray 17])
Alternative to	GPL17996 (Alternative CDF:HGU133Plus2_Hs_ENTREZG.cdf version 15.1.0)
Alternative to	GPL18121 (custom CDF)
Alternative to	GPL18756 (Alternative CDF [CDF: HGU133Plus2_Hs_ENTREZG_14.1.0])
Alternative to	GPL18850 (Alternative CDF)
Alternative to	GPL18478 (Alternative CDF [Hs_ENTREZG_V13])
Alternative to	GPL19109 (Alternative CDF [Brainarray HGU133Plus2_Hs_ENTREZG_v18])
Alternative to	GPL19883 (Alternative CDF [Broad GenePattern])
Alternative to	GPL19918 (Gene symbol version, 10K)
Alternative to	GPL20182 (Gene Symbol Version)
Alternative to	GPL22321 (Alternative CDF [HGU133Plus2_Hs_ENTREZG, Brainarray 20])
Alternative to	GPL22945 (alternative)
Alternative to	GPL23270 ((Alternative CDF [HGU133Plus2_Hs_ENTREZG, Brainarray 21])
Alternative to	GPL23432 (alternative CDF [HGU133Plus2_Hs_ENSG, Brainarray version 18.0.0])
Alternative to	GPL25740 (alternative)
Alternative to	GPL28718 (Alternative CDF [HGU133Plus2_Hs_ENTREZG, Brainarray 23])
Alternative to	GPL29499 (Alternative CDF)

Data table header descriptions

ID	Affymetrix Probe Set ID
GB_ACC	GenBank Accession Number
SPOT_ID	identifies controls
Species Scientific Name	The genus and species of the organism represented by the probe set.
Annotation Date	The date that the annotations for this probe array were last updated. It will generally be earlier than the date when the annotations were posted on the Affymetrix web site.
Sequence Type	
Sequence Source	The database from which the sequence used to design this probe set was taken.
Target Description	
Representative	The accession number of a representative sequence. Note that for

Public ID	consensus-based probe sets, the representative sequence is only one of several sequences (sequence sub-clusters) used to build the consensus sequence and it is not directly used to derive the probe sequences. The representative sequence is chosen during array design as a sequence that is best associated with the transcribed region being interrogated by the probe set. Refer to the "Sequence Source" field to determine the database used.
Gene Title	Title of Gene represented by the probe set.
Gene Symbol	A gene symbol, when one is available (from UniGene).
ENTREZ_GENE_ID	Entrez Gene Database UID
RefSeq Transcript ID	References to multiple sequences in RefSeq. The field contains the ID and Description for each entry, and there can be multiple entries per ProbeSet.
Gene Ontology Biological Process	Gene Ontology Consortium Biological Process derived from LocusLink. Each annotation consists of three parts: "Accession Number // Description // Evidence". The description corresponds directly to the GO ID. The evidence can be "direct", or "extended".
Gene Ontology Cellular Component	Gene Ontology Consortium Cellular Component derived from LocusLink. Each annotation consists of three parts: "Accession Number // Description // Evidence". The description corresponds directly to the GO ID. The evidence can be "direct", or "extended".
Gene Ontology Molecular Function	Gene Ontology Consortium Molecular Function derived from LocusLink. Each annotation consists of three parts: "Accession Number // Description // Evidence". The description corresponds directly to the GO ID. The evidence can be "direct", or "extended".

Data table

ID	GB_ACC	SPOT_ID	Species Scientific Name	Annotation Date	Sequence Type	Sequence Source	Target Description
1007_s_at	U48705		Homo sapiens	Oct 6, 2014	Exemplar sequence	Affymetrix Proprietary Database	U48705 /FEATURE=mRNA /DE
1053_at	M87338		Homo sapiens	Oct 6, 2014	Exemplar sequence	GenBank	M87338 /FEATURE= /DEFINITI
117_at	X51757		Homo sapiens	Oct 6, 2014	Exemplar sequence	Affymetrix Proprietary Database	X51757 /FEATURE=cds /DEFIN
121_at	X69699		Homo sapiens	Oct 6, 2014	Exemplar sequence	GenBank	X69699 /FEATURE= /DEFINITI
1255_g_at	L36861		Homo sapiens	Oct 6, 2014	Exemplar sequence	Affymetrix Proprietary Database	L36861 /FEATURE=expanded_
1294_at	L13852		Homo sapiens	Oct 6, 2014	Exemplar sequence	GenBank	L13852 /FEATURE= /DEFINITI
1316_at	X55005		Homo sapiens	Oct 6, 2014	Exemplar sequence	Affymetrix Proprietary Database	X55005 /FEATURE=mRNA /DE
1320_at	X79510		Homo sapiens	Oct 6, 2014	Exemplar sequence	Affymetrix Proprietary Database	X79510 /FEATURE=cds /DEFIN
1405_i_at	M21121		Homo sapiens	Oct 6, 2014	Exemplar sequence	GenBank	M21121 /FEATURE= /DEFINITI
1431_at	J02843		Homo sapiens	Oct 6, 2014	Exemplar sequence	Affymetrix Proprietary Database	J02843 /FEATURE=cds /DEFIN
1438_at	X75208		Homo sapiens	Oct 6, 2014	Exemplar sequence	Affymetrix Proprietary Database	X75208 /FEATURE=cds /DEFIN
1487_at	L38487		Homo sapiens	Oct 6, 2014	Exemplar sequence	Affymetrix Proprietary Database	L38487 /FEATURE=mRNA /DEI
1494_f_at	M33318		Homo sapiens	Oct 6, 2014	Exemplar sequence	Affymetrix Proprietary Database	M33318 /FEATURE=mRNA /DE
1552256_a_at	NM_005505		Homo sapiens	Oct 6, 2014	Consensus sequence	GenBank	gb:NM_005505.2 /DB_XREF=g
1552257_a_at	NM_015140		Homo sapiens	Oct 6, 2014	Consensus sequence	GenBank	gb:NM_015140.1 /DB_XREF=g
1552258_at	NM_052871		Homo sapiens	Oct 6, 2014	Consensus sequence	GenBank	gb:NM_052871.1 /DB_XREF=g
1552261_at	NM_080735		Homo sapiens	Oct 6, 2014	Consensus sequence	GenBank	gb:NM_080735.1 /DB_XREF=g

Total number of rows: **54675**

Table truncated, full table size **77582 Kbytes**.

Download full table...

Annotation SOFT table...

Download family	Format
SOFT formatted family file(s)	SOFT
MINiML formatted family file(s)	MINiML

Supplementary data files not provided