

# Resource Summary Report

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## GeneChip Operating Software

RRID:SCR\_003408

Type: Tool

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### Proper Citation

GeneChip Operating Software (RRID:SCR\_003408)

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### Resource Information

**URL:**

[http://www.scripps.edu/researchservices/dna\\_array/pages/Data\\_Analysis\\_GCOS.htm](http://www.scripps.edu/researchservices/dna_array/pages/Data_Analysis_GCOS.htm)

**Proper Citation:** GeneChip Operating Software (RRID:SCR\_003408)

**Description:** Affymetrix has recently released a new software for the acquisition, management, and analysis of gene expression data. The new GeneChip Operating Software (GCOS) platform enables researchers to perform gene expression, SNP mapping and resequencing analysis with integrated data management and scalable client server configurations. \* Compatible with additional Affymetrix analysis software such as Data Mining Tool (DMT) and GeneChip DNA Analysis Software (GDAS) \* Supports Gene Expression, Resequencing and Genotyping Applications \* Baseline Comparison Analysis  
Input: Affymetrix .DAT file Output: Affymetrix files (.CEL, .CHP, .RPT, .EXP, .TXT)  
Availability: The Core Facility has a copy of GCOS, as well as an older version of the Affymetrix software, Microarray Suite (MAS), available for use upon request.

**Abbreviations:** GCOS

**Synonyms:** GeneChip Operating Software (GCOS), DNA Array Core Facility GeneChip Operating Software, DNA Array Core Facility GeneChip Operating Software (GCOS)

**Resource Type:** data analysis software, data processing software, sequence analysis software, software application, software resource

**Keywords:** gene expression, snp mapping, resequencing, analysis, genotyping, platform, software, comparison, analysis

**Availability:** Free, Available for download, Freely available

**Resource Name:** GeneChip Operating Software

**Resource ID:** SCR\_003408

**Alternate IDs:** nif-0000-33019

**Alternate URLs:** <https://www.thermofisher.com/us/en/home/life-science/microarray-analysis/microarray-analysis-instruments-software-services/microarray-analysis-software/genechip-operating-software-service-pack-2-software-update.html>

**Record Creation Time:** 20220129T080218+0000

**Record Last Update:** 20260821T193700+0000

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## Ratings and Alerts

No rating or validation information has been found for GeneChip Operating Software.

No alerts have been found for GeneChip Operating Software.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 650 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [dkNET](#) .

Gómez-Pascual A, et al. (2026) The Smarcal1-Usp37 locus modulates glycogen aggregation in astrocytes of the aged hippocampus. *Cell systems*, 17(2), 101488.

Gómez-Pascual A, et al. (2023) Polyglucosan body density in the aged mouse hippocampus is controlled by a novel modifier locus on chromosome 1. *bioRxiv : the preprint server for biology*.

Chen M, et al. (2020) CTNNB1/?-catenin dysfunction contributes to adiposity by regulating the cross-talk of mature adipocytes and preadipocytes. *Science advances*, 6(2), eaax9605.

Gai X, et al. (2020) Hyperactivation of IL-6/STAT3 pathway led to the poor prognosis of post-TACE HCCs by HIF-1 $\alpha$ /SNAI1 axis-induced epithelial to mesenchymal transition. *Journal of Cancer*, 11(3), 570.

Mao C, et al. (2020) OsNAC2 integrates auxin and cytokinin pathways to modulate rice root development. *Plant biotechnology journal*, 18(2), 429.

Xu Q, et al. (2020) Association of iRhom1 and iRhom2 expression with prognosis in patients with cervical cancer and possible signaling pathways. *Oncology reports*, 43(1), 41.

Yu C, et al. (2020) Down-regulation of MTHFD2 inhibits NSCLC progression by suppressing cycle-related genes. *Journal of cellular and molecular medicine*, 24(2), 1568.

Diedrichs F, et al. (2019) Enhanced Immunomodulation in Inflammatory Environments Favors Human Cardiac Mesenchymal Stromal-Like Cells for Allogeneic Cell Therapies. *Frontiers in immunology*, 10, 1716.

Gao Q, et al. (2019) Heterotypic CAF-tumor spheroids promote early peritoneal metastasis of ovarian cancer. *The Journal of experimental medicine*, 216(3), 688.

Liu JY, et al. (2019) NETO2 promotes invasion and metastasis of gastric cancer cells via activation of PI3K/Akt/NF- $\kappa$ B/Snail axis and predicts outcome of the patients. *Cell death & disease*, 10(3), 162.

Cao D, et al. (2019) Metalloproteinase-1 (MPS-1) mediates the promotion effect of leptin on colorectal cancer through activation of JNK/c-Jun signaling pathway. *Cell death & disease*, 10(9), 655.

Yang S, et al. (2019) Promoting Osteogenic Differentiation of Human Adipose-Derived Stem Cells by Altering the Expression of Exosomal miRNA. *Stem cells international*, 2019, 1351860.

Fu Y, et al. (2019) Downregulation of CPA4 inhibits non small-cell lung cancer growth by suppressing the AKT/c-MYC pathway. *Molecular carcinogenesis*, 58(11), 2026.

Gladilin E, et al. (2019) TGF $\beta$ -induced cytoskeletal remodeling mediates elevation of cell stiffness and invasiveness in NSCLC. *Scientific reports*, 9(1), 7667.

Zeng J, et al. (2019) Down-regulated HSDL2 expression suppresses cell proliferation and promotes apoptosis in papillary thyroid carcinoma. *Bioscience reports*, 39(6).

Taškova K, et al. (2019) Literature optimized integration of gene expression for organ-specific evaluation of toxicogenomics datasets. *PloS one*, 14(1), e0210467.

Yamashita S, et al. (2019) Distinct DNA methylation targets by aging and chronic inflammation: a pilot study using gastric mucosa infected with *Helicobacter pylori*. *Clinical epigenetics*, 11(1), 191.

Horazna M, et al. (2019) Msx1 loss suppresses formation of the ectopic crypts developed in the Apc-deficient small intestinal epithelium. *Scientific reports*, 9(1), 1629.

Baumann B, et al. (2019) Association of High miR-182 Levels with Low-Risk Prostate Cancer. *The American journal of pathology*, 189(4), 911.

Silkenstedt E, et al. (2019) Notch1 signaling in NOTCH1-mutated mantle cell lymphoma depends on Delta-Like ligand 4 and is a potential target for specific antibody therapy. *Journal of experimental & clinical cancer research : CR*, 38(1), 446.