

Resource Summary Report

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GSE4922

RRID:SCR_003557

Type: Tool

Proper Citation

GSE4922 (RRID:SCR_003557)

Resource Information

URL: <http://ranchobiosciences.com/gse4922/>

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Description: Curated data set of a study that investigated the expression profiles of 347 primary invasive breast tumors on Affymetrix microarrays. Three separate breast cancer cohorts were analyzed: 1) Uppsala (n=249), 2) Stockholm (n=58), 3) Singapore (n=40). The Uppsala and Singapore data can be accessed in GSE4922. The Stockholm cohort data can be accessed at GEO Series GSE1456.

Abbreviations: GSE4922

Resource Type: data or information resource, data set

Keywords: adult human, expression profile, breast

Related Condition: Cancer, Breast cancer, Tumor

Availability: Free, Public

Resource Name: GSE4922

Resource ID: SCR_003557

Alternate IDs: nlx_157796

Record Creation Time: 20220129T080219+0000

Record Last Update: 20260905T133324+0000

Ratings and Alerts

No rating or validation information has been found for GSE4922.

No alerts have been found for GSE4922.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 111 mentions in open access literature.

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

Tong Q, et al. (2026) Detachment-Induced FAK-STAT3-NNMT Inhibits CTCs Anoikis to Promote Breast Cancer Metastasis by Enhancing Fatty Acid Oxidation. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(29), e22837.

Xu J, et al. (2025) FRMD8 inhibits tumor metastasis in BRCA1-associated TNBC by negatively regulating tmTNF-?. *Cellular & molecular biology letters*, 30(1), 76.

Huang X, et al. (2025) Association of DBNDD1 with prognostic and immune biomarkers in invasive breast cancer. *Discover oncology*, 16(1), 218.

Han JY, et al. (2025) Cytoplasmic HMGB1 promotes the activation of JAK2-STAT3 signaling and PD-L1 expression in breast cancer. *Molecular medicine (Cambridge, Mass.)*, 31(1), 197.

Liao M, et al. (2024) BCAR4 Expression as a Predictive Biomarker for Endocrine Therapy Resistance in Breast Cancer. *Clinical breast cancer*, 24(4), 368.

Jacobs C, et al. (2024) HSF1 Inhibits Antitumor Immune Activity in Breast Cancer by Suppressing CCL5 to Block CD8+ T-cell Recruitment. *Cancer research*, 84(2), 276.

Hjorth M, et al. (2024) Decorin, an exercise-induced secretory protein, is associated with improved prognosis in breast cancer patients but does not mediate anti-tumorigenic tissue crosstalk in mice. *Journal of sport and health science*, 14, 100991.

Giannakakis A, et al. (2024) KDM7A-DT induces genotoxic stress, tumorigenesis, and progression of p53 missense mutation-associated invasive breast cancer. *Frontiers in oncology*, 14, 1227151.

Saatci O, et al. (2024) Targeting LINC00152 activates cAMP/Ca2+/ferroptosis axis and overcomes tamoxifen resistance in ER+ breast cancer. *Cell death & disease*, 15(6), 418.

Park IA, et al. (2024) p27 Cell Cycle Inhibitor and Survival in Luminal-Type Breast Cancer: Gene Ontology, Machine Learning, and Drug Screening Analysis. *Journal of breast cancer*, 27(5), 305.

Mendiburu-Eliçabe M, et al. (2024) NCAPH drives breast cancer progression and identifies a gene signature that predicts luminal a tumour recurrence. *Clinical and translational medicine*, 14(2), e1554.

Kim HS, et al. (2023) Low CDKN1B Expression Associated with Reduced CD8+ T Lymphocytes Predicts Poor Outcome in Breast Cancer in a Machine Learning Analysis. *Journal of personalized medicine*, 14(1).

Ditz JC, et al. (2023) COmic: convolutional kernel networks for interpretable end-to-end learning on (multi-)omics data. *Bioinformatics (Oxford, England)*, 39(39 Suppl 1), i76.

Mendiburu-Eliçabe M, et al. (2023) NCAPH Drives Breast Cancer Progression and Identifies a Gene Signature that Predicts Luminal A Tumor Recurrence. *Research square*.

Mascia F, et al. (2022) In search of autophagy biomarkers in breast cancer: Receptor status and drug agnostic transcriptional changes during autophagy flux in cell lines. *PloS one*, 17(1), e0262134.

Qing T, et al. (2022) Molecular differences between younger versus older ER-positive and HER2-negative breast cancers. *NPJ breast cancer*, 8(1), 119.

Fu H, et al. (2022) High expression of CCNB1 driven by ncRNAs is associated with a poor prognosis and tumor immune infiltration in breast cancer. *Aging*, 14(16), 6780.

Yang Y, et al. (2022) NARF is a hypoxia-induced coactivator for OCT4-mediated breast cancer stem cell specification. *Science advances*, 8(49), eabo5000.

Habara M, et al. (2022) FKBP52 and FKBP51 differentially regulate the stability of estrogen receptor in breast cancer. *Proceedings of the National Academy of Sciences of the United States of America*, 119(15), e2110256119.

Guo Q, et al. (2022) Mammary collagen is under reproductive control with implications for breast cancer. *Matrix biology : journal of the International Society for Matrix Biology*, 105, 104.