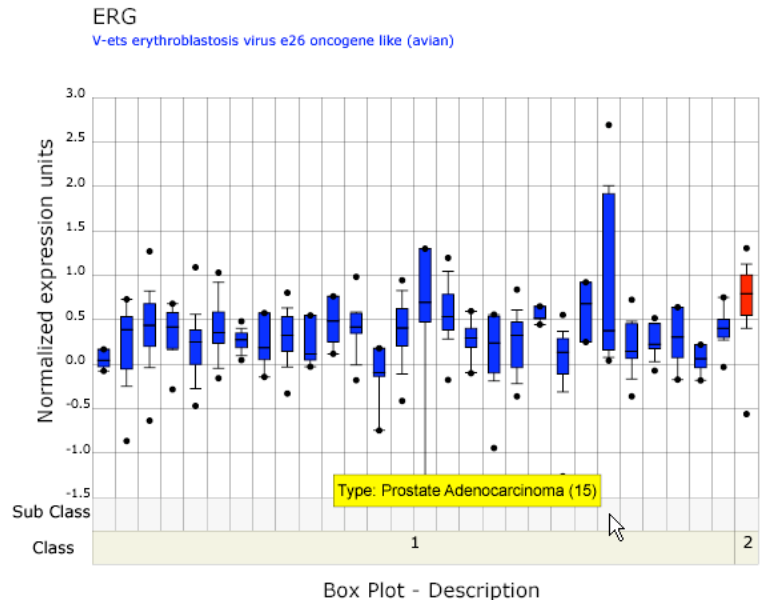


Oncomine Update December 2006

Greetings Oncomine Users!

The Oncomine™ database has recently been updated, and now includes 55 new Studies!

An important addition to the Oncomine database comes from the International Genomics Consortium (IGC), one of the largest public sources of microarray data in the world. IGC performs gene expression analyses on tissue samples procured under standard conditions, and updates the tumor data with clinical outcome data. In this latest update, Compendia Bioscience has added nearly 900 IGC tumor specimens to the Oncomine database, providing Oncomine users with the ability to analyze and visualize gene expression data not only across the whole IGC dataset, but also in comparison with other publicly available data. The box plot shown here shows the expression pattern of ERG across the IGC database, and demonstrates the breadth of data available.



At Compendia we strive to establish a rich database and powerful analysis tools, all aimed at understanding the molecular basis of cancer. Adding the IGC data to Oncomine is an important milestone in that effort, and we look forward to working with you to reap the maximum benefit from this novel data.

In addition to the IGC data, Compendia Bioscience has added clinically annotated gene expression data from over 3000 tissue and cell line samples. Some of the additions are described below, and can be explored either in Gene Search (begin with a specific gene and navigate through the Diff/Ex tab to the Study Name filter) or in Profile Search (type the specific Author_Tissue in the Profile Search box). Note that Oncomine lists Bittner as the author for the IGC data.

As always, we hope you will find this compilation of data valuable for biomarker discovery, target identification/validation and hypothesis generation. We welcome your requests for new studies to add in the next update, and look forward to hearing from you at support@compendiabio.com.

Regards,

The Compendia Bioscience Team

To navigate directly to these Study profiles in Oncomine, login to Oncomine and then Ctrl-Click on the Study name of interest.

New Data from the International Genomics Consortium (IGC)!

[Bittner Multi-cancer](#)

Multiple cancers	870 Samples	See below
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<http://www.ncbi.nlm.nih.gov/geo/query/acc.cgi?acc=GSE2109>

[Bittner Breast](#)

Breast	132 Samples	Grade, Type, Sex, Mammogram Calcifications, Her2/neu Status
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[Bittner Colon](#)

Colon	134 Samples	Grade, Type, Primary/Metastasis Indicator, M Stage, Dukes Stage
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[Bittner Endometrium](#)

Endometrium	70 Samples	Type, M Stage, Primary/Metastasis Indicator
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[Bittner Lung](#)

Lung	60 Samples	Type
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[Bittner Ovarian](#)

Ovarian	125 Samples	Histologic Subtype, Primary/Metastasis Indicator
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[Bittner Renal](#)

Renal	94 Samples	Histologic Subtype
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New Cell Line Data from Published Studies!

[Troester CellLine 2](#)

Cell Line	79 Samples	Treatment	Environ Health Perspect. 2004 PMID 15598611
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Prediction of toxicant-specific gene expression signatures after chemotherapeutic treatment of breast cell lines

New Tissue Data from Published Studies!

Blood

[Kirschner-Schwabe Blood](#)

Blood	60 Samples	Cytogenetics, Time of Relapse	Clin Cancer Res. 2006 PMID 16899601
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Expression of late cell cycle genes and an increased proliferative capacity characterize very early relapse of childhood acute lymphoblastic leukemia

Brain

[Yamanaka Brain](#)

Brain	29 Samples	T, Survival - 1 year	Oncogene 2006 PMID 16652150
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Identification of expressed genes characterizing long-term survival in malignant glioma patients

Breast

[Miller Breast](#)

Breast	251 Samples	p53 mutation status, Elston Grade, Estrogen Receptor Status, Lymph Node Status	PNAS 2005 PMID 16141321
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An expression signature for p53 status in human breast cancer predicts mutation status, transcriptional effects, and patient survival

Hess Breast

Breast	133 Samples	Estrogen Receptor Status, Her2/neu Status, N Stage, Chemotherapy Response, Grade	J Clin Oncol. 2006 PMID 16896004
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Pharmacogenomic predictor of sensitivity to preoperative chemotherapy with paclitaxel and fluorouracil, doxorubicin, and cyclophosphamide in breast cancer

Yu Breast 3

Breast	96 Samples	Estrogen Receptor Status, N Stage, Lymphovascular Invasion Status	Clin Cancer Res. 2006 PMID 16740749
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A modular analysis of breast cancer reveals a novel low-grade molecular signature in estrogen receptor-positive tumors

Colon

Laiho Colon

Colon	37 Samples	Type, Tumor Location, Tumor Grade	Oncogene 2006 PMID 16819509
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Serrated carcinomas form a subclass of colorectal cancer with distinct molecular basis

Leukemia

Gutierrez Leukemia

Leukemia	43 Samples	FAB Subtype, Flt3 Mutation	Leukemia 2005 PMID 15674361
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Gene expression profile reveals deregulation of genes with relevant functions in the different subclasses of acute myeloid leukemia

Maia Leukemia

Leukemia	28 Samples	Type	Cancer Res 2005 PMID 16267031
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Gene expression profiling identifies BAX-delta as a novel tumor antigen in acute lymphoblastic leukemia

Falt Leukemia

Leukemia	21 Samples	Disease Status	Exp Hematol. 2005 PMID 16038780
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Identification of progression markers in B-CLL by gene expression profiling.

Lymphoma

Dave Lymphoma 2

Lymph	303 Samples	Microarray diagnosis, Pathology diagnosis, Survival 5 yrs, Stage, Myc Status	N Engl J Med. 2006 PMID 16760443
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Molecular diagnosis of Burkitt's lymphoma

Melanoma

Hoek Melanoma

Melanoma	45 Samples	Type, Mutation	Pigment Cell Res. 2006 PMID 16827748
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Metastatic potential of melanomas defined by specific gene expression profiles with no BRAF signature