

Target and biomarker validation

General

Genome Res. 2010 20: 68-80 originally published online November 10, 2009
Nicholas Navin, Alexander Krasnitz, Linda Rodgers, et al., *Inferring tumor progression from genomic heterogeneity*. [Click here](#)

Goulter AB, Harmer DW, Clark KL. Evaluation of low density array technology for quantitative parallel measurement of multiple genes in human tissue. *BMC Genomics*. 2006, 7:34.

Barber RD, Harmer DW, Coleman RA, Clark BJ. GAPDH as a housekeeping gene: analysis of GAPDH mRNA expression in a panel of 72 human tissues. *Physiol Genomics*. 2005, 21(3):389-395. [PubMed](#)

Rong Fan^{1-3,5}, Ophir Vermesh^{1-3,5}, Alok Srivastava^{1,4}, Brian K H Yen¹⁻³, Lidong Qin¹⁻³, Habib Ahmad¹⁻³, Gabriel A Kwong¹⁻³, Chao-Chao Liu¹⁻³, Juliane Gould¹⁻³, Leroy Hood^{1,4} & James R Heath¹⁻³. [Article](#)

Inflammation

Godkin AJ, De Belder AJ, Villa L, Wong A, Beesley JE, Kane SP, et al. Expression of nitric oxide synthase in ulcerative colitis. *Eur J Clin Invest*. 1996, 26(10):867-872. [PubMed](#)

Beesley JE. Histochemical methods for detecting nitric oxide synthase. *Histochem J*. 1995, 27(10):757-769. [PubMed](#)

Oncology

Glazyrin A, Shen X, Blanc V, Eliason JF. Direct Detection of herceptin/trastuzumab binding on breast tissue sections. *J Histochem. Cytochem*. 2006, 55(1):25-33. [PubMed](#)

Cortese JF, Gowda AL, Wali A, Eliason JF, Pass HI, Everson RB. Common EGFR mutations conferring sensitivity to gefitinib in lung adenocarcinoma are not prevalent in human malignant mesothelioma. *Int J Cancer*. 2006, 118:521-522. [PubMed](#)

Li Y, Hussain M, Sarkar SH, Eliason J, Li R, Sarkar FH. Gene expression profiling revealed novel mechanism of action of Taxotere and Furtulon in prostate cancer cells. *BMC Cancer*. 2005, 5(1):7. [PubMed](#)

Kanzaki A, Takebayashi Y, Bando H, Eliason JF, Watanabe S, Miyashita H, et al. Expression of uridine and thymidine phosphorylase genes in human breast carcinoma. *Int J Cancer*. 2002, 97(5):631-635. [PubMed](#)

Miyashita H, Takebayashi Y, Eliason JF, Fujimori F, Nitta Y, Sato A, et al. Uridine phosphorylase is a potential prognostic factor in patients with oral squamous cell carcinoma. *Cancer*. 2002, 94(11):2959-2966. [PubMed](#)

Chaib H, Rubin MA, Mucci NR, Li L, Taylor JMG, Day ML, *et al.* Activated in prostate cancer: a PDZ domain-containing protein highly expressed in human primary prostate tumors. *Cancer Res.* 2001, 61(6):2390-2394. [PubMed](#)

Perrone EE, Theoharis C, Mucci NR, Hayasaka S, Taylor JM, Cooney KA, *et al.* Tissue microarray assessment of prostate cancer tumor proliferation in African- American and white men. *J Natl Cancer Inst.* 2000, 92(11):937-939. [PubMed](#)

Mucci NR, Rubin MA, Strawderman MS, Montie JE, Smith DC, Pienta KJ. Expression of nuclear antigen Ki-67 in prostate cancer needle biopsy and radical prostatectomy specimens. *J Natl Cancer Inst.* 2000, 92(23):1941-1942. [PubMed](#)

Mucci NR, Akdas G, Manely S, Rubin MA. Neuroendocrine expression in metastatic prostate cancer: evaluation of high throughput tissue microarrays to detect heterogeneous protein expression. *Hum Pathol.* 2000, 31(4):406-414. [PubMed](#)

Cardiovascular

Goulter AB, Allen JC, Mitchell JN, Clark KL. Adiponectin is expressed in human cardiac tissue and is differentially expressed in idiopathic dilated cardiomyopathy. Presented at the American Heart Association meeting, 2005.

Goulter AB, Goddard MJ, Allen JC, Clark KL. ACE2 gene expression is up-regulated in the human failing heart. *BMC Med.* 2004, 2:19. [PubMed](#)

Harmer D, Gilbert M, Borman R, Clark KL. Quantitative mRNA expression profiling of ACE 2, a novel homologue of angiotensin converting enzyme. *FEBS Lett.* 2002, 532(1-2):107-110. [PubMed](#)

Ophthalmology

Aijaz S, Allen J, Tregidgo R, van Heyningen V, Hanson I, Clark BJ. Expression analysis of SIX3 and SIX6 in human tissues reveals differences in expression and a novel correlation between the expression of SIX3 and the genes encoding isocitrate dehydrogenase and cadherin 18. *Genomics.* 2005, 86:86-99. [PubMed](#)

Respiratory

Borman RA, Gilbert MB, Harmer DW, James RS, Clark KL, Colenam RA, Davis RJ. Differential expression of mRNA for ion channels and transporters in cystic fibrosis (CF) and non-CF human lung samples. Presented at the BPS Meeting, December 2000.

Hepatic

Shen XY, Holt RI, Miell JP, Justice S, Portmann B, Postel-Vinay MC, *et al.* Cirrhotic liver expresses low levels of the full-length and truncated growth hormone receptors. *J Clin Endocrinol Metab.* 1998, 83(7):2532-2538. [PubMed](#)

Reproductive

Glazyrin AL, Kolesnikov SI, Safronov A. Histochemical localization of oxidized glutathione-catalysing enzymes in human term placenta. *Histochem J.* 1993, 25(1):45-50. [PubMed](#)

Glazyrin AL, Kolesnikov SI. Histochemical localization of glucose residues in the human term placenta. *Placenta.* 1993, 14(5):497-504. [PubMed](#)