

QuantiGene® 2.0 Bibliography 2009-2011

2011

1. Babij C., *et al.* STK33 Kinase Activity is Non-Essential in KRAS-Dependent Cancer Cells. *Cancer Res* (2011).
2. Baughman J. M., *et al.* Integrative genomics identifies MCU as an essential component of the mitochondrial calcium uniporter. *Nature* (2011).
3. Beare P. A., *et al.* Dot/Icm Type IVB Secretion System Requirements for *Coxiella burnetii* Growth in Human Macrophages. *MBio* **2**(4) (2011).
4. Bergemann T. L., Wilson, J. Proportion statistics to detect differentially expressed genes: a comparison with log-ratio statistics. *BMC Bioinformatics* **12**(1):228 (2011).
5. Brown M. L., *et al.* Discovery of amide replacements that improve activity and metabolic stability of a bis-amide smoothed antagonist hit. *Bioorg Med Chem Lett* **21**(18):5206-9 (2011).
6. Cao G., *et al.* Evacetrapib is a novel, potent and selective inhibitor of cholesteryl ester transfer protein that elevates high-density lipoprotein cholesterol without inducing aldosterone or increasing blood pressure. *Journal of Lipid Research* (2011).
7. Cao Y. C., *et al.* Quantum dots high fluorescent signal amplification immunoassay using branched DNA and peptide nucleic acid conjugated antibody. *Analyst* (2011).
8. Chae B. J., *et al.* Measurement of ER and PR status in breast cancer using the QuantiGene2.0 assay. *Pathology* **43**(3):248-53 (2011).
9. Crombez L., *et al.* A Non-covalent Peptide-Based Strategy for Ex Vivo and In Vivo Oligonucleotide Delivery. *Methods Mol Biol* **764**:59-73 (2011).
10. Hinfray N. *et al.* Characterization of testicular expression of P450 17alpha-hydroxylase, 17,20-lyase in zebrafish and its perturbation by the pharmaceutical fungicide clotrimazole. *Gen Comp Endocrinol* (2011).
11. Hongyu Z., Wei Z., Chung L. Bias detection and correction in RNA-Sequencing data. *BMC Bioinformatics* **12**(1):290 (2011).
12. Kadota K., *et al.* Evaluating methods for ranking differentially expressed genes applied to MicroArray Quality Control data. *BMC Bioinformatics* **12**(1):227 (2011).
13. Lapierre J., *et al.* Potent and systematic RNAi mediated silencing with single oligonucleotide compounds. *Rna* **17**(6):1032-7 (2011).
14. Li M., *et al.* Mutant hypoxia inducible factor-1alpha improves angiogenesis and tissue perfusion in ischemic rabbit skeletal muscle. *Microvasc Res* **81**(1):26-33 (2011).
15. Liao L. H., *et al.* Single-nucleotide polymorphisms and haplotype of CYP2E1 gene associated with systemic lupus erythematosus in Chinese population. *Arthritis Res Ther* **13**(1):R11 (2011).

QuantiGene® 2.0 Bibliography 2009-2011

16. Lin Y. Z., *et al.* The pathogenic and vaccine strains of equine infectious anemia virus differentially induce cytokine and chemokine expression and apoptosis in macrophages. *Virus Res* (2011).
17. Lu B., *et al.* The Role of the Transcription Factor SIM2 in Prostate Cancer. *PLoS ONE* **6**(12):e28837 (2011).
18. Lu H., *et al.* Nrf2 protects against 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD)-induced oxidative injury and steatohepatitis. *Toxicol Appl Pharmacol* (2011).
19. Martin S. E., *et al.* RNAi Screening Identifies TAK1 as a Potential Target for the Enhanced Efficacy of Topoisomerase Inhibitors. *Curr Cancer Drug Targets*(2011).
20. Mital J., *et al.* A role for the Src-family kinase Fyn in sphingolipid acquisition by chlamydiae. *Infect Immun* (2011).
21. Murray L. A., *et al.* TGF-beta driven lung fibrosis is macrophage dependent and blocked by Serum amyloid P. *Int J Biochem Cell Biol* **43**(1):154-62 (2011).
22. Polach K. J., *et al.* Delivery of siRNA to the Mouse Lung via a Functionalized Lipopolyamine. *Mol Ther* (2011).
23. Selvaduray K. R., *et al.* Palm tocotrienols decrease levels of pro-angiogenic markers in human umbilical vein endothelial cells (HUVEC) and murine mammary cancer cells. *Genes Nutr* (2011).
24. Torres J. Z., *et al.* The STARD9/Kif16a Kinesin Associates with Mitotic Microtubules and Regulates Spindle Pole Assembly. *Cell* **147**(6):1309-23 (2011).
25. Trabzuni D., *et al.* Quality control parameters on a large dataset of regionally-dissected human control brains for whole genome expression studies. *J Neurochem* (2011).
26. Voth D. E., *et al.* The Coxiella burnetii Cryptic Plasmid Is Enriched in Genes Encoding Type IV Secretion System Substrates. *J Bacteriol* **193**(7):1493-503 (2011).

2010

1. Abbott C., *et al.* Mouse monoclonal antibodies against human c-Mpl and characterization for flow cytometry applications. *Hybridoma (Larchmt)* **29**(2):103-13 (2010).
2. Addepalli H., *et al.* Modulation of thermal stability can enhance the potency of siRNA. *Nucleic Acids Res* (2010).
3. Akashi M., *et al.* Noninvasive method for assessing the human circadian clock using hair follicle cells. *Proc Natl Acad Sci U S A* **107**(35):15643-8 (2010).
4. Aleksunes L. M., *et al.* Nuclear factor erythroid 2-related factor 2 deletion impairs glucose tolerance and exacerbates hyperglycemia in type 1 diabetic mice. *J Pharmacol Exp Ther* **333**(1):140-51 (2010).

QuantiGene® 2.0 Bibliography 2009-2011

5. Alnouti Y., Klaassen C. D. Mechanisms of gender-specific regulation of mouse sulfotransferases (Sults). *Xenobiotica* (2010).
6. Berahovich R. D., *et al.* CXCR7 Protein Is Not Expressed on Human or Mouse Leukocytes. *J Immunol* (2010).
7. Chen Q., *et al.* Lipophilic siRNAs mediate efficient gene silencing in oligodendrocytes with direct CNS delivery. *J Control Release* (2010).
8. Chen Z., Zhu L., Wilkinson K. J. Validation of the biotic ligand model in metal mixtures: bioaccumulation of lead and copper. *Environ Sci Technol* **44**(9): 3580-6 (2010).
9. Cheneval D., *et al.* A review of methods to monitor the modulation of mRNA stability: a novel approach to drug discovery and therapeutic intervention. *J Biomol Screen* **15**(6):609-22 (2010).
10. Cui J. Y., *et al.* Genetic and Epigenetic Regulation and Expression Signatures of Glutathione S-Transferases in Developing Mouse Liver. *Toxicol Sci* (2010).
11. Cui J. Y., *et al.* ChIPing the cistrome of PXR in mouse liver. *Nucleic Acids Res* (2010).
12. Debruin C., *et al.* Most purported antibodies to the human granulocyte colony-stimulating factor receptor are not specific. *Exp Hematol* (2010).
13. Ehsani A., *et al.* Rational design of micro-RNA-like bifunctional siRNAs targeting HIV and the HIV coreceptor CCR5. *Mol Ther* **18**(4):796-802 (2010).
14. Erickson H .S., *et al.* High throughput screening of normal and neoplastic tissue samples. *Comb Chem High Throughput Screen* **13**(3):253-67 (2010).
15. Furusato B., *et al.* ERG oncoprotein expression in prostate cancer: clonal progression of ERG-positive tumor cells and potential for ERG-based stratification. *Prostate Cancer Prostatic Dis* **13**(3):228-37 (2010).
16. Genter M. B., *et al.* Drug transporter expression and localization in rat nasal respiratory and olfactory mucosa and olfactory bulb. *Drug Metab Dispos* **38**(10):1644-7 (2010).
17. Haobin W., *et al.* Detection and clinical significance of CEA,GCC and CD44v6 mRNA in peritoneal lavages of colorectal cancer patients:report of 60 cases. *Acta Academiae Medicinae Militaris Tertiae* **32**(1): 36-40 (2010).
18. Hardwick R. N., *et al.* Diversity in Antioxidant Response Enzymes in Progressive Stages of Human Non-Alcoholic Fatty Liver Disease. *Drug Metab Dispos* (2010).
19. Ibarra J. A., *et al.* Induction of Salmonella pathogenicity island 1 under different growth conditions can affect Salmonella-host cell interactions in vitro. *Microbiology* **156**(Pt 4):1120-33 (2010).
20. Jeong I., *et al.* Role of ataxia telangiectasia mutated in insulin signalling of muscle-derived cell lines and mouse soleus. *Acta Physiol (Oxf)* **198**(4):465-75 (2010).
21. Kaizerman J. A., *et al.* Addressing PXR liabilities of phthalazine-based hedgehog/smoothened antagonists using novel pyridopyridazines. *Bioorg Med Chem Lett* **20**(15):4607-10 (2010).

QuantiGene® 2.0 Bibliography 2009-2011

22. Lachaud A. A., *et al.* Werner's syndrome helicase participates in transcription of phenobarbital-inducible CYP2B genes in rat and mouse liver. *Biochem Pharmacol* **79**(3):463-70 (2010).
23. Love K. T., *et al.* Lipid-like materials for low-dose, in vivo gene silencing. *Proc Natl Acad Sci U S A* (2010).
24. Lucas B. S., *et al.* Design of 1-piperazinyl-4-arylphthalazines as potent Smoothened antagonists. *Bioorg Med Chem Lett* **20**(12):3618-22 (2010).
25. Monovich L., *et al.* A novel kinase inhibitor establishes a predominant role for protein kinase D as a cardiac class IIa histone deacetylase kinase. *FEBS Lett* **584**(3):631-7 (2010).
26. Murray L. A., *et al.* Serum amyloid P therapeutically attenuates murine bleomycin-induced pulmonary fibrosis via its effects on macrophages. *PLoS One* **5**(3):e9683 (2010).
27. Musunuru K., *et al.* From noncoding variant to phenotype via SORT1 at the 1p13 cholesterol locus. *Nature* **466**(7307):714-9 (2010).
28. Radaelli A., *et al.* Fowlpox virus recombinants expressing HPV-16 E6 and E7 oncogenes for the therapy of cervical carcinoma elicit humoral and cell-mediated responses in rabbits. *J Transl Med* **8**:40 (2010).
29. Robertson B., *et al.* Specificity and functionality of microRNA inhibitors. *Silence* **1**(1):10 (2010).
30. Salomon W., *et al.* Modified dsRNAs that are not processed by Dicer maintain potency and are incorporated into the RISC. *Nucleic Acids Res* (2010).
31. Sasu B. J., *et al.* Antihepcidin antibody treatment modulates iron metabolism and is effective in a mouse model of inflammation-induced anemia. *Blood* **115**(17):3616-24 (2010).
32. Semple S. C., *et al.* Rational design of cationic lipids for siRNA delivery. *Nat Biotechnol* (2010).
33. Srivastava S., Chen L. A two-parameter generalized Poisson model to improve the analysis of RNA-seq data. *Nucleic Acids Res* **38**(17):e170 (2010).
34. Stevens A., *et al.* Epigenetic changes in the hypothalamic proopiomelanocortin and glucocorticoid receptor genes in the ovine fetus after periconceptional undernutrition. *Endocrinology* **151**(8):3652-64 (2010).
35. Swift S., *et al.* Absence of functional EpoR expression in human tumor cell lines. *Blood* **115**(21):4254-63 (2010).
36. Talbot D. C., *et al.* Tumor survivin is downregulated by the antisense oligonucleotide LY2181308: a proof-of-concept, first-in-human dose study. *Clin Cancer Res* **16**(24):6150-8 (2010).
37. Wang L., *et al.* In vitro assessment of metabolic drug-drug interaction potential of apixaban through cytochrome P450 phenotyping, inhibition, and induction studies. *Drug Metab Dispos* **38**(3):448-58 (2010).
38. Yim H. W., *et al.* Branched-chain Assay for ER, PR, and HER2 RNA Levels is a Useful Adjunct in the Evaluation of ER, PR, and HER2 in Breast Cancer. *J Breast Cancer* **13**(3):267-74 (2010).

QuantiGene® 2.0 Bibliography 2009-2011

11. Fortin M., *et al.* A multi-target antisense approach against PDE4 and PDE7 reduces smoke-induced lung inflammation in mice. *Respir Res* **10**:39 (2009).
12. Grunt T. W., *et al.* Interaction between fatty acid synthase- and ErbB-systems in ovarian cancer cells. *Biochem Biophys Res Commun* **385**(3):454-9 (2009).
13. Haag J., *et al.* Efficient non-viral transfection of primary human adult chondrocytes in a high-throughput format. *Osteoarthritis Cartilage* **17**(6):813-7 (2009).
14. Kanashiro-Takeuchi R. M., *et al.* Sex-Specific Impact of Aldosterone Receptor Antagonism on Ventricular Remodeling and Gene Expression after Myocardial Infarction. *Clin Transl Sci* **2**(2):134-42 (2009).
15. Kwara A., *et al.* Interindividual Variability in Pharmacokinetics of Generic Nucleoside Reverse Transcriptase Inhibitors in TB/HIV-Coinfected Ghanaian Patients: UGT2B7*1c Is Associated With Faster Zidovudine Clearance and Glucuronidation. *J Clin Pharmacol* **49**(9):1079-90 (2009).
16. Lu B., *et al.* Detection of TMPRSS2-ERG fusion gene expression in prostate cancer specimens by a novel assay using branched DNA. *Urology* **74**(5):1156-61 (2009).
17. Mahmoudi S., *et al.* Wrap53, a natural p53 antisense transcript required for p53 induction upon DNA damage. *Mol Cell* **33**(4):462-71 (2009).
18. Mane S. P., *et al.* Transcriptome sequencing of the Microarray Quality Control (MAQC) RNA reference samples using next generation sequencing. *BMC Genomics* **10**(1):264 (2009).
19. Passioura T., *et al.* Interfering ribonucleic acids that suppress expression of multiple unrelated genes. *BMC Biotechnol* **9**(1):57 (2009).
20. Shinonaga H., *et al.* Pochonins K–P: new radicicol analogues from *Pochonia chlamydosporia* var. *chlamydosporia* and their WNT-5A expression inhibitory activities. *Tetrahedron* **65**:3446–53 (2009).
21. Shinonaga H., *et al.* Synthesis and structure-activity relationships of radicicol derivatives and WNT-5A expression inhibitory activity. *Bioorg Med Chem* **17**(13):4622-35 (2009).
22. Shinonaga H., *et al.* The search for a hair-growth stimulant: new radicicol analogues as WNT-5A expression inhibitors from *Pochonia chlamydosporia* var. *chlamydosporia*. *Tetrahedron Letters* **50**:108-10 (2009).
23. Surguladze D., *et al.* Tumor necrosis factor- α and interleukin-1 antagonists alleviate inflammatory skin changes associated with epidermal growth factor receptor antibody therapy in mice. *Cancer Res* **69**(14):5643-7 (2009).
24. Tanaka Y., *et al.* ANIT-induced intrahepatic cholestasis alters hepatobiliary transporter expression via Nrf2-dependent and independent signaling. *Toxicol Sci* **108**(2):247-57 (2009).
25. Vickers A. E., Characterization of hepatic mitochondrial injury induced by fatty acid oxidation inhibitors. *Toxicol Pathol* **37**(1):78-88 (2009).

QuantiGene® 2.0 Bibliography 2009-2011

26. Zhu J., *et al.* Regulation of apolipoprotein AI (apoAI) processing by Procollagen C-proteinase enhancer (PCPE2) and bone morphogenetic protein-1 (BMP-1). *J Lipid Res* (2009).