

QuantiMir™ Small RNA Quantitation System Citations

Kong D, Piao YS, Yamashita S, Oshima H, Oguma K, Fushida S, Fujimura T, Minamoto T, Seno H, Yamada Y, Satou K, Ushijima T, Ishikawa TO, Oshima M. [Inflammation-induced repression of tumor suppressor miR-7 in gastric tumor cells.](#) *Oncogene*. 2011 Dec 5. doi: 10.1038/onc.2011.558.

Bose, D., Jayaraj, G., Suryawanshi, H., Agarwala, P., Pore, S. K., Banerjee, R. and Maiti, S. [The Tuberculosis Drug Streptomycin as a Potential Cancer Therapeutic: Inhibition of miR-21 Function by Directly Targeting Its Precursor.](#) *Angewandte Chemie International Edition*. doi: 10.1002/anie.201106455. (PDF) »

Wang X, Hu G, Betts C, Harmon EY, Keller RS, Van De Water L, Zhou J. [Transforming Growth Factor-Beta-1-induced Transcript 1 Protein, a Novel Marker for Smooth Muscle Contractile Phenotype, Is Regulated by Serum Response Factor/Myocardin Protein.](#) *J Biol Chem*. 2011 Dec 2;286(48):41589-9.

Kambal A, Mitchell G, Cary W, Gruenloh W, Jung Y, Kalomoiris S, Nacey C, McGee J, Lindsey M, Fury B, Bauer G, Nolte JA, Anderson JS. [Generation of HIV-1 resistant and functional macrophages from hematopoietic stem cell-derived induced pluripotent stem cells.](#) *Mol Ther*. 2011 Mar;19(3):584-93.

Fu J-D, Rushing SN, Lieu DK, Chan CW, Kong C-W, et al. [Distinct Roles of MicroRNA-1 and -499 in Ventricular Specification and Functional Maturation of Human Embryonic Stem Cell-Derived Cardiomyocytes.](#) *PLoS ONE* 6(11): e27417. doi: 10.1371/journal.pone.0027417. (PDF) »

Lee SC, Fang L, Wang CH, Kahai S, Deng Z, Yang BB. [A non-coding transcript of nephronectin promotes osteoblast differentiation by modulating microRNA functions.](#) *FEBS Lett*. 2011 Aug 19;585(16):2610-6.

Srikantan S, Abdelmohsen K, Lee EK, Tominaga K, Subaran SS, Kuwano Y, Kulshrestha R, Panchakshari R, Kim HH, Yang X, Martindale JL, Marasa BS, Kim MM, Wersto RP, Indig FE, Chowdhury D, Gorospe M. [Translational control of TOP2A influences doxorubicin efficacy.](#) *Mol Cell Biol*. 2011 Sep;31(18):3790-801.

Cismasiu VB, Radu E, Popescu LM. [miR-193 expression differentiates telocytes from other stromal cells.](#) *J Cell Mol Med*. 2011 May;15(5):1071-4.

Shin VY, Jin H, Ng EK, Cheng AS, Chong WW, Wong CY, Leung WK, Sung JJ, Chu KM. [NF-κB targets miR-16 and miR-21 in gastric cancer: involvement of prostaglandin E receptors.](#) *Carcinogenesis*. 2011 Feb;32(2):240-5.

Tsunoda T, Takashima Y, Yoshida Y, Doi K, Tanaka Y, Fujimoto T, Machida T, Ota T, Koyanagi M, Kuroki M, Sasazuki T, Shirasawa S. [Oncogenic KRAS regulates miR-200c and miR-221/222 in a 3D-specific manner in colorectal cancer cells.](#) *Anticancer Res*. 2011 Jul;31(7):2453-9.

Manole CG, Cismasiu V, Gherghiceanu M, Popescu LM. [Experimental acute myocardial infarction: telocytes involvement in neo-angiogenesis.](#) *J Cell Mol Med*. 2011 Sep 6. doi: 10.1111/j.1582-4934.2011.01449.x. [Epub ahead of print].

Tominaga K, Srikantan S, Lee EK, Subaran SS, Martindale JL, Abdelmohsen K, Gorospe M. [Competitive regulation of Nucleolin expression by HuR and miR-494.](#) *Mol Cell Biol*. 2011 Aug 22. [Epub ahead of print].

Srikantan S, Abdelmohsen K, Lee EK, Tominaga K, Subaran SS, Kuwano Y, Kulshrestha R, Panchakshari R, Kim HH, Yang X, Martindale JL, Marasa BS, Kim MM, Wersto RP, Indig FE, Chowdhury D, Gorospe M. [Translational control of Top2A influences doxorubicin efficacy](#). *Mol Cell Biol*. 2011 Jul 18. [Epub ahead of print].

TOSHIYUKI TSUNODA¹, YASUO TAKASHIMA, YASUHIRO YOSHIDA, KEIKO DOI, YOKO TANAKA, TAKAHIRO FUJIMOTO, TAKASHI MACHIDA, TAKEHARU OTA, MIDORI KOYANAGI, MASAHIDE KUROKI, TAKEHIKO SASAZUKI and SENJI SHIRASAWA. [Oncogenic KRAS Regulates miR-200c and miR-221/222 in a 3D-Specific Manner in Colorectal Cancer Cells](#). *Anticancer Research* July 2011 vol. 31 no. 7 2453-2459.

Li Z, Yang CS, Nakashima K, Rana TM. [Small RNA-mediated regulation of iPS cell generation](#). *EMBO J*. 2011 Feb 1.

Fish JE, Wythe JD, Xiao T, Bruneau BG, Stainier DY, Srivastava D, Woo S. [A Slit/miR-218/Robo regulatory loop is required during heart tube formation in zebrafish](#). *Development*. 2011 Apr; 138(7):1409-19.

Garbacki N, Di Valentin E, Huynh-Thu VA, Geurts P, Irrthum A, Crahay C, Arnould T, Deroanne C, Piette J, Cataldo D, Colige A. [MicroRNAs Profiling in Murine Models of Acute and Chronic Asthma: A Relationship with mRNAs Targets](#). *PLoS One*. 2011 Jan 28; 6(1):e16509.

Eun Kyung Lee, Mi Jeong Lee, Kotb Abdelmohsen, Wook Kim, Mihee M. Kim, Subramanya Srikantan, Jennifer L. Martindale, Emmette R. Hutchison, Hyeon Ho Kim, Bernard S. Marasa, Roza Selimyan, Josephine M. Egan, Steven R. Smith, Susan K. Fried and Myriam Gorospe. [miR-130 Suppresses Adipogenesis by Inhibiting Peroxisome Proliferator-Activated Receptor gamma Expression](#). *MOLECULAR AND CELLULAR BIOLOGY*, Feb. 2010, Vol. 31, No. 4. p. 626-638 (PDF) »

CL Au Yeung, TY Tsang, PL Yau and TT Kwok. [Human papillomavirus type 16 E6 induces cervical cancer cell migration through the p53/microRNA-23b/urokinase-type plasminogen activator pathway](#). *Oncogene*. 2011 Jan 17. [ePub ahead of time] (PDF) »

Katey J. Rayner, Yajaira Suárez, Alberto Dávalos, Saj Parathath, Michael L. Fitzgerald, Norimasa Tamehiro, Edward A. Fisher, Kathryn J. Moore, Carlos Fernández-Hernando. [miR-33 Contributes to the Regulation of Cholesterol Homeostasis](#). *Science*. 2010 Jun 18; 328(5985):1570-3.

Wing Pui Tsang, Enders K.O. Ng, Simon S.M. Ng, Hongchuan Jin, Jun Yu, Joseph J.Y. Sung and Tim Tak Kwok. [Oncofetal H19-derived miR-675 regulates tumor suppressor RB in human colorectal cancer](#). *Carcinogenesis* 2010 31(3):350-358. (PDF) »

Fang L, Deng Z, Shatseva T, Yang J, Peng C, Du WW, Yee AJ, Ang LC, He C, Shan SW, Yang BB. [MicroRNA miR-93 promotes tumor growth and angiogenesis by targeting integrin- \$\beta\$ 8](#). *Oncogene*. 2010 Oct 18. [Epub ahead of print].

Sachdeva M, Wu H, Ru P, Hwang L, Trieu V, Mo YY. [MicroRNA-101-mediated Akt activation and estrogen-independent growth](#). *Oncogene*. 2010 Oct 18. [Epub ahead of print].

Marasa BS, Srikantan S, Martindale JL, Kim MM, Lee EK, Gorospe M, Abdelmohsen K. [MicroRNA profiling in human diploid fibroblasts uncovers miR-519 role in replicative senescence](#). *Aging* 2010 Jun; 2(6):333-43. (PDF) »

Abdelmohsen K, Hutchison ER, Lee EK, Kuwano Y, Kim MM, Masuda K, Srikantan S, Subaran SS, Marasa BS, Mattson MP, Gorospe M. [miR-375 inhibits differentiation of neurites by lowering HuD levels. Mol Cell Biol. 2010 Jun 28. \[Epub ahead of print\].](#)

Watashi K, Yeung ML, Starost MF, Hosmane RS, Jeang KT. [Identification of small molecules that suppress microRNA function and reverse tumorigenesis. J Biol Chem. 2010 Jun 7. \[Epub ahead of print\].](#)

Song L, Liu H, Gao S, Jiang W, Huang W. [Cellular MicroRNAs Inhibit Replication of the H1N1 Influenza A Virus in Infected Cells. J Virol. 2010 Jun 16. \[Epub ahead of print\]](#)

Nicole Noren Hooten, Kotb Abdelmohsen, Myriam Gorospe, Ngozi Ejiogu, Alan B. Zonderman, Michele K. Evans. [MicroRNA Expression Patterns Reveal Differential Expression of Target Genes with Age. 2010 PLoS ONE 5\(5\): e10724. doi:10.1371/journal.pone.0010724. \(PDF\) »](#)

Hasan Rajabi,Caining Jin,Rehan Ahmad,Andrew Cain McClary,Maya Datt Joshi and Donald Kufe. [Mucin 1 Oncoprotein Expression Is Suppressed by the miR-125b Oncomir. Genes and Cancer Jan 2010, vol. 1 no. 1 62-68. \(PDF\) »](#)

Wang X, Hu G, Zhou J. [Repression of versican expression by MIR-143. J Biol Chem. 2010 May 18. \[Epub ahead of print\]](#)

Leja J, Nilsson B, Yu D, Gustafson E, Åkerström G, et al. [Double-Targeted Oncolytic Adenovirus Shows Replication Arrest in Liver Cells and Retains Neuroendocrine Cell Killing Ability. 2010 PLoS ONE 5\(1\): e8916. \(PDF\) »](#)

Marta Melar-New and Laimonis A. Laimins. [HUMAN PAPILLOMAVIRUSES MODULATE EXPRESSION OF MIR-203 UPON EPITHELIAL DIFFERENTIATION TO CONTROL LEVELS OF p63 PROTEINS. J. Virol. doi:10.1128/JVI.00078-10. \(PDF\) »](#)

Shan SW, Lee DY, Deng Z, Shatseva T, Jeyapalan Z, Du WW, Zhang Y, Xuan JW, Yee SP, Siragam V, Yang BB. [MicroRNA MiR-17 retards tissue growth and represses fibronectin expression. Nature Cell Biol. 2009 Aug; 11\(8\):1031-8. \(PDF\) »](#)

Juan D, Alexe G, Antes T, Liu H, Madabhushi A, Delisi C, Ganesan S, Bhanot G, Liou LS. [Identification of a MicroRNA Panel for Clear-cell Kidney Cancer. Urology 1-7. 2009 Dec 24. \(PDF\) »](#)

Li X, Shen Y, Ichikawa H, Antes T, Goldberg GS. [Regulation of miRNA expression by Src and contact normalization: effects on nonanchored cell growth and migration. Oncogene. \(2009 Sep 21\): 1-12. \(PDF\) »](#)

Zhu S, Sachdeva M, Wu F, Lu Z, Mo YY. [Ubc9 promotes breast cell invasion and metastasis in a sumoylation-independent manner. Oncogene. \(2009 Dec 21\): 1-10.](#)

Andrea KrÃ¼hn, Aijin wang, Johannes H. fruehauf and Hermann Lage. [Delivery of short hairpin RNAs by transkingdom RNA interference modulates the classical ABCB1-mediated multidrug-resistant phenotype of cancer cells. Cell Cycle 8:20, 1-6; October 15, 2009. \(PDF\) »](#)

Shi L, Ko ML, Ko GY. [Rhythmic expression of microRNA-26a regulates the L-type voltage-gated calcium channel alpha1C subunit in chicken cone photoreceptors. J Biol Chem. 2009 Sep 18;284\(38\):25791-803. \(PDF\) »](#)

Ng EK, Tsang WP, Ng SS, Jin HC, Yu J, Li JJ, Röcken C, Ebert MP, Kwok TT, Sung JJ [MicroRNA-143 targets DNA methyltransferases 3A in colorectal cancer. Br J Cancer. 2009 Jul 28. \[Epub ahead of print\] \(PDF\) »](#)

Yih-Lin Chung, Ming-Yuan Lee and Newman N.M.Pui. Epigenetic therapy using the histone deacetylase inhibitor for increasing therapeutic gain in oral cancer: prevention of radiation-induced oral mucositis and inhibition of chemical-induced oral carcinogenesis. *Carcinogenesis* vol.30 no.8 pp.1387-1397, 2009. (PDF) »

To KK, Robey RW, Knutsen T, Zhan Z, Ried T, Bates SE. Escape from hsa-miR-519c enables drug-resistant cells to maintain high expression of ABCG2. *Mol Cancer Ther.* 2009 Oct;8(10):2959-68.

Wu F, Zhu S, Ding Y, Beck WT, Mo YY. MicroRNA-mediated Regulation of Ubc9 Expression in Cancer Cells. *Clin Cancer Res.* 2009 Mar 1;15(5):1550-1557.

Chambers C, Shuai B. Profiling microRNA expression in Arabidopsis pollen using microRNA array and real-time PCR. *BMC Plant Biol.* 2009 Jul 10;9:87. (PDF) »

Tsang WP, Kwok TT. The miR-18a* microRNA functions as a potential tumor suppressor by targeting on K-Ras. *Carcinogenesis.* 2009 Jun;30(6):953-9. (PDF) »

Wang X, Lam EK, Zhang J, Jin H, Sung JJ. MicroRNA-122a functions as a novel tumor suppressor downstream of adenomatous polyposis coli in gastrointestinal cancers. *Biochem Biophys Res Commun.* 2009 Sep 18;387(2):376-80

S. Ruiz, B.D. Schyth, P. Encinas, C. Tafalla, A. Estepa, N. Lorenzen, J.M. Coll. New tools to study RNA interference to fish viruses: Fish cell lines permanently expressing siRNAs targeting the viral polymerase of viral hemorrhagic septicemia virus. *Antiviral Research* 82 (2009) 148-156 (PDF)

Qiong Jiang, Mingguang Feng and Yin-Yuan Mo. Systematic validation of predicted microRNAs for cyclin D1. *BMC Cancer* 2009, 9:194doi:10.1186/1471-2407-9-194 (2009). (PDF) »

R. Grant-Downton, S. Hafidh, D. Twell, and H. G. Dickinson Small RNA Pathways Are Present and Functional in the Angiosperm Male Gametophyte. *Mol Plant*, March 12, 2009; (2009) ssp003v1. (PDF) »

Lo HL, Chang T, Yam P, Marcovecchio PM, Li S, Zaia JA, Yee JK. Inhibition of HIV-1 replication with designed miRNAs expressed from RNA polymerase II promoters. *Gene Ther.* 2007 Sep 6 (PDF) »

Zhang Y, Li M, Wang H, Fisher WE, Lin PH, Yao Q, Chen C. Profiling of 95 MicroRNAs in Pancreatic Cancer Cell Lines and Surgical Specimens by Real-Time PCR Analysis. *World J Surg.* 2008 Nov 22.(PDF) »

Stein U, Walther W, Stege A, Kaszubiak A, Fichtner I, Lage H. Complete In Vivo Reversal of the Multidrug Resistance Phenotype by Jet-injection of Anti-MDR1 Short Hairpin RNA-encoding Plasmid DNA. *Mol Ther.* 2007 Sep 18;1-9. (PDF) »

Siebert, P. & Antes, T. (2007). Enrichment Amplification of Human RNase III-cleaved RNA Reveals New MicroRNAs and Other Small Non-Coding RNAs. *PHILICA.COM* Article number 100. (PDF) »

Lee NS, Kim JS, Cho WJ, Lee MR, Steiner R, Gompers A, Ling D, Zhang J, Strom P, Behlke M, Moon SH, Salvaterra PM, Jove R, Kim KS. miR-302b maintains "stemness" of human embryonal carcinoma cells by post-transcriptional regulation of Cyclin D2 expression. *Biochem Biophys Res Commun.* 2008 Dec 12;377(2):434-40. (PDF) »

Paul E. Neiman, Katrina Elsaesser, Gilbert Loring and Robert Kimmel. [Myc Oncogene-Induced Genomic Instability: DNA Palindromes in Bursal Lymphomagenesis. PLoS Genet.](#) 2008 July; 4(7): e1000132.