

## miRCURY LNA™ Detection Probes for Northern Blotting

### Selected publications

**Aravin *et al.*** A piRNA pathway primed by individual transposons is linked to *de novo* DNA methylation in mice. *Mol. Cell* 2008, 31: 785-99. PMID: [18922463](#)

**Dore *et al.*** A GATA-1-regulated microRNA locus essential for erythropoiesis. *Proc. Natl. Acad. Sci. USA* 2008, 105: 3333-8. PMID: [18303114](#)

**Elmén *et al.*** LNA-mediated microRNA silencing in non-human primates. *Nature* 2008, 452: 896-9. PMID: [18368051](#)

**Elmén *et al.*** Antagonism of microRNA-122 in mice by systemically administered LNA-antimiR leads to up-regulation of a large set of predicted target mRNAs in the liver. *Nucleic Acids Res.* 2008, 36: 1153-62. PMID: [18158304](#)

**Fabani & Gait.** miR-122 targeting with LNA/2'-O-methyl oligonucleotide mixmers, peptide nucleic acids (PNA), and PNA-peptide conjugates. *RNA* 2008, 14: 336-46. PMID: [18073344](#)

**Fu *et al.*** Mir-144 selectively regulates embryonic alpha-hemoglobin synthesis during primitive erythropoiesis. *Blood* 2009, 113: 1340-9. PMID: [18941117](#)

**Gao *et al.*** c-Myc suppression of miR-23a/b enhances mitochondrial glutaminase expression and glutamine metabolism. *Nature* 2009, 458: 762-5. PMID: [19219026](#)

**Gebeshuber *et al.*** miR-29a suppresses tristetraprolin, which is a regulator of epithelial polarity and metastasis. *EMBO Rep.* 2009, 10: 400-5. PMID: [19247375](#)

**Henderson & Jacobsen.** Tandem repeats upstream of the *Arabidopsis* endogene SDC recruit non-CG DNA methylation and initiate siRNA spreading. *Genes Dev.* 2008, 22: 1597-606. PMID: [18559476](#)

**Hu *et al.*** MicroRNA expression and regulation in mouse uterus during embryo implantation. *J. Biol. Chem.* 2008, 283: 23473-84. PMID: [18556655](#)

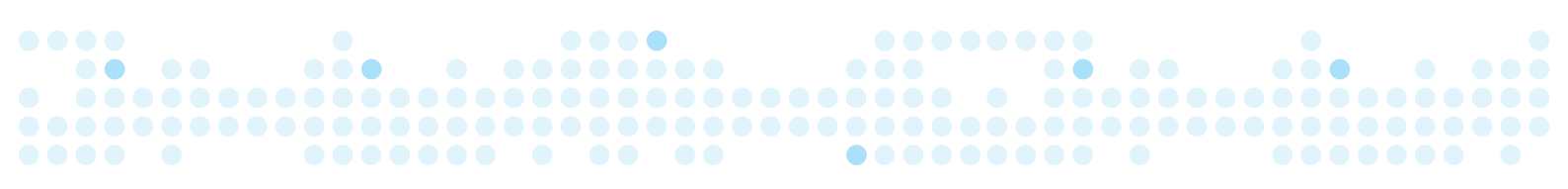
**Karaa *et al.*** The VEGF IRESes are differentially susceptible to translation inhibition by miR-16. *RNA* 2009, 15: 249-54. PMID: [19144909](#)

**Kim *et al.*** Translational control of FOG-2 expression in cardiomyocytes by microRNA-130a. *PLoS ONE* 2009, 4: e6161. PMID: [19582148](#)

**Kim *et al.*** A sensitive non-radioactive northern blot method to detect small RNAs. *Nucleic Acids Res.* 2010. PMID: [20081203](#)

**Lee *et al.*** Systematic evaluation of microRNA processing patterns in tissues, cell lines, and tumors. *RNA* 2008, 14: 35-42. PMID: [18025253](#)

**Liu *et al.*** Inhibition of HIV-1 by multiple siRNAs expressed from a single microRNA polycistron. *Nucleic Acids Res.* 2008, 36: 2811-24. PMID: [18346971](#)



- Martin *et al.*** A *Drosophila* pasha mutant distinguishes the canonical microRNA and mirtron pathways. Mol. Cell Biol. 2009, 29: 861-70. PMID: [19047376](#)
- Mencía *et al.*** Mutations in the seed region of human miR-96 are responsible for nonsyndromic progressive hearing loss. Nat. Genet. 2009, 41: 609-13. PMID: [19363479](#)
- Mi *et al.*** Sorting of small RNAs into *Arabidopsis* argonaute complexes is directed by the 5' terminal nucleotide. Cell 2008, 133: 116-27. PMID: [18342361](#)
- Naguibneva *et al.*** The microRNA miR-181 targets the homeobox protein Hox-A11 during mammalian myoblast differentiation. Nat. Cell Biol. 2006, 8: 278-84. PMID: [16489342](#)
- Okamura *et al.*** The *Drosophila* hairpin RNA pathway generates endogenous short interfering RNAs. Nature 2008, 453: 803-6. PMID: [18463630](#)
- Pall *et al.*** Carbodiimide-mediated cross-linking of RNA to nylon membranes improves the detection of siRNA, miRNA and piRNA by northern blot. Nucleic Acids Res. 2007, 35: e60. PMID: [17405769](#)
- Rathjen *et al.*** High throughput sequencing of microRNAs in chicken somites. FEBS Lett. 2009, 583: 1422-6. PMID: [19328789](#)
- Redshaw *et al.*** microRNA-449 is a putative regulator of choroid plexus development and function. Brain Res. 2009, 1250: 20-6. PMID: [19056356](#)
- Selbach *et al.*** Widespread changes in protein synthesis induced by microRNAs. Nature 2008, 455: 58-63. PMID: [18668040](#)
- Takada *et al.*** Mouse microRNA profiles determined with a new and sensitive cloning method. Nucleic Acids Res. 2006, 34: e115. PMID: [16973894](#)
- Talotta *et al.*** An autoregulatory loop mediated by miR-21 and PDCD4 controls the AP-1 activity in RAS transformation. Oncogene. 2009, 28: 73-84. PMID: [18850008](#)
- Tyler *et al.*** Functionally distinct regulatory RNAs generated by bidirectional transcription and processing of microRNA loci. Genes Dev. 2008, 22: 26-36. PMID: [18172163](#)
- Várallyay *et al.*** MicroRNA detection by northern blotting using locked nucleic acid probes. Nat. Protoc. 2008, 3: 190-6. PMID: [18274520](#)
- Wang *et al.*** The expression of microRNA miR-107 decreases early in Alzheimer's disease and may accelerate disease progression through regulation of beta-site amyloid precursor protein-cleaving enzyme 1. J. Neurosci. 2008, 28: 1213-23. PMID: [18234899](#)
- Weston *et al.*** MicroRNA gene expression in the mouse inner ear. Brain Res. 2006, 1111: 95-104. PMID: [16904081](#)
- Wulczyn *et al.*** Post-transcriptional regulation of the let-7 microRNA during neural cell specification. FASEB J. 2007, 21: 415-26. PMID: [17167072](#)

