



Phalanx Biotech Group Launches microRNA Microarray - miRBase v17

BELMONT, Calif., Aug. 24, 2011 /PRNewswire/ – Phalanx Biotech Group, a global provider of genomic products and services, launches a major update to its OneArray® microRNA expression profiling microarrays based on the latest miRBase release – Version 17. This miRBase release represents a significant increase over Version 16 in the number of microRNA sequences with 2,406 additional mature microRNA - of which 563 represent newly verified sequences in human, mouse and rats. Researchers using OneArray® microRNA products will benefit from more comprehensive interrogation power of validated microRNA transcripts as opposed to those using Affymetrix, Agilent or Exiqon microarrays based on older miRBase versions. The OneArray® microRNA line includes human, mouse, rat and seven major plant species - rice, corn, soybean, grapevine, Sorghum, Arabidopsis, and Brachypodium.

"At Phalanx Biotech, we continuously strive to make improvements in probe coverage, performance, and usability for all of our OneArray microarray products. This latest microRNA product release marks the third update to our microRNA product line, and features not only the most current annotation, but also a new hybridization chemistry enabling greater microarray signal intensities at reduced sample input," said Richard Su, Head of Product Development. "Furthermore, as our whole genome gene expression microarray product line expands, we anticipate a set of complementary microRNA microarrays to offer researchers the capability to conduct gene and microRNA expression profiling studies in parallel."

About microRNA

MicroRNA or miRNA are short ribonucleic acid molecules (approximately 22 nucleotides long) that often play roles in regulating the expression of genes, usually by binding to target messenger RNA (mRNA) sequences and impeding their function through mRNA degradation or blocking the translation of mRNA. Researchers are focusing their efforts in uncovering the regulatory circuitry afforded by microRNA – investigating the role of microRNA in processes as diverse as embryonic development, cell proliferation, differentiation, and apoptosis. Comparative microRNA expression profiling studies among different cell populations and tissue types demonstrate increasing correlations between microRNA and disease. The combination of gene expression and microRNA profiles will enhance our understanding of biological mechanisms and the genes associated in these processes.

About Phalanx Biotech Group

Phalanx Biotech Group, with operations in California and Taiwan, provides genomics research products and services worldwide to academic, pharmaceutical and biotech communities. Built on world-class, integrated-chip foundry technology, Phalanx Biotech has developed the OneArray® line of high-quality and affordable microarrays for expression profiling of whole genomes, microRNA, and custom targets. Our highly-trained service specialists provide a comprehensive offering of gene expression and microRNA profiling services for biomarker discovery including sample preparation, expression analysis, and qPCR validation. For more information about our products and services, please visit our website at www.phalanxbiotech.com.

Contact

Kevin Poon, 1-650-320-8669 ext 111
kevinpoon@onearray.com

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