# Your One-Stop **Genomic Solution Service Provider** [Array · NGS · qPCR · Bioinformatics] RNA Extraction Hybridization OneArray® **One-Stop Solution** Scan Pathway Ex **Bioinformatics** 30 +Analysis Items



Toll Free: 877-730-3887 Ext.109

↑ 6150 Lusk Blvd, Suite B100, San Diego, CA 92121

Phalanx Biotech produces the high-quality OneArray® line of whole genome microarrays and miRNA microarrays. Our patented probe design techniques reduce the rate of cross-hybridization and improve detection sensitivity. Each microarray also contains control probes used to assess sample quality and labeling efficiency.

- Latest probe content
- Strong correlation with real-time PCR
- Excellent sensitivity and dynamic range
- Compatible with common microarray scanners
- Over 360 Scientific Publications and counting

#### Gene Expression Microarrays

Product	Total Probes	Gene Probes	Control Probes	Probe Length	Sequence Database
Human OneArray (HOA) v7	29,204	28,264	940	60 mer	RefSeq r70; Ensembl r80
Mouse OneArray (MOA) v2.1	27,307	26,423	884	60 mer	RefSeq r42; Ensembl r59
Rat OneArray (ROA) v2	21,707	20,715	992	60 mer	RefSeq r65; Ensembl r76
Yeast OneArray (YOA) v1.3	7,641	6,958	683	70 mer	AROS v1.1; YBOX v1.0
Rice OneArray (RiOA) v1.1	22,003	21,179	824	60 mer	RGAP v6.1; BGI (2008)

AROS: Operon Yeast Genome Array-Ready Oligo Set RGAP: Rice Genome Annotation Project

YBOX: Yeast Brown Lab Oligo Extension BGI: Beijing Genomics Institute

#### miRNA Expression Microarrays

Product	Total Probes	Target miRNA	Control Probes	Probe Repeat	Sequence Database
Human miRNA OneArray (HmiOA) v7	7,768	2,588	124	3	Sanger miRBase r21
Mouse & Rat miRNA OneArray (MRmiOA) v7	6,871	Mouse Rat 1,499 750	148	3	Sanger miRBase r21

# Custom Microarrays

Phalanx Biotech can manufacture custom microarrays at low, medium, or high densities according to your needs. Depending on the number of probes, we can print up to 8 microarrays per slide. Our low-cost custom microarray fabrication services include probe design, printing, and quality control. Please contact us for more details!

### Agilent Microarray Gene Expression Profiling Service

We provide gene expression profiling services using Agilent microarrays, which are available for numerous model species. We follow Agilent protocols for low-input amplification, labeling, and hybridization starting with as little as 250ng.

#### **360+** Publications

Papers citing "Phalanx Biotech Group" featured in:











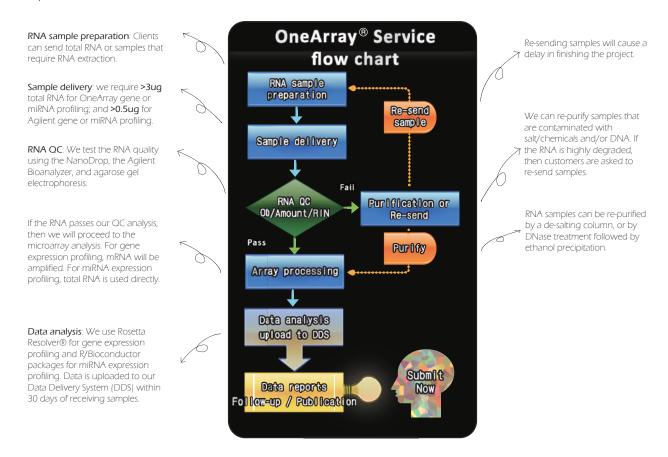


Research Fields	Paper#
Molecular Cellular Biology	126
Cancer Research	72
Immunology	30
Development	26
Herbal Medicine	24
Safety Assessment	19
Cardiovascular Research	18

See more→ http://www.phalanxbiotech.com/info/publications.php

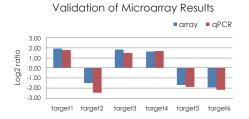
# OneArray® Gene Expression and miRNA Expression Lab Services

Phalanx Biotech offers gene expression and miRNA expression profiling services on the OneArray platform. Outsourcing to our Service Lab is a reliable and affordable way to obtain accurate expression data. Generating microarray data will be hassle-free, and your data will be simple to interpret. Just send us your RNA or your tissue/cell/serum samples, and we will do everything for you. You will receive your Data along with a Summary report containing Scatter Plots, Histograms, Volcano Plots, and a PCA Analysis. Overall, we make it very easy for you to publish your results.



#### qPCR (Quantitative Real-Time PCR)

- Microarray validation
- mRNA and miRNA targets
- SYBR Green or TaqMan
- SABiosciences aPCR arrays
- Custom primer design





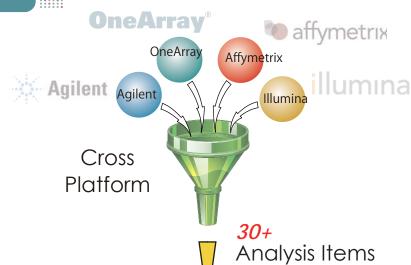
## NGS (Next Generation Sequencing) Services

Phalanx Biotech offers Next Generation Sequencing on the Illumina HiSeq 2500 with the latest V4 chemistry, for throughput of up to 1 TB of data. We use the Illumina MiSeq for smaller projects, or ones that require longer read lengths. We can handle projects from one sample to thousands, based on your needs.

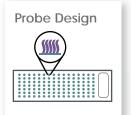
- NGS services offered:
  - Whole Genome Sequencing
  - RNA-Seq
  - 16s Microbial Sequencing
  - Bioinformatics
- Exome Sequencing
- Targeted Sequencing
- Small RNA sequencing
- Sequencing Platforms
  - Illumina HiSeq 2500
- Illumina MiSeq































& Customized Analysis



# **NGS Data Analysis**

► SNP calling ► IncRNA ► ChIP-seq ► RNA-seq ► Metagenomics



# Advanced Analysis for NGS for the price of Basic Analysis



\* Offer Ends 12/31/2017