

## Yeast Whole Genome OneArray® DNA Microarray

- Comprehensive coverage of *S. cerevisiae* genome
- Open Platform Compatibility with Common Array Scanners
- High Correlation with Real-Time PCR
- Excellent Array Consistency using Non-Contact ThermoJet Printing
- Affordable Service Packages Available
- 100% Satisfaction Guarantee<sup>1</sup>

### Genome Content

The Yeast OneArray® contains probes selected from the Operon Yeast Genome Array-Ready Oligo Set v1.1 and Yeast Brown Lab Oligo Extension v1.0. These two sets are 70-mer probes specifically designed within 750 bases from the 3' end of the open reading frame.

The most up-to-date annotation, GAL files, and probe sequences can be obtained at [www.OneArray.com](http://www.OneArray.com).

Phalanx Thermo-Jet printing technology and proprietary surface chemistry enable excellent array-to-array consistency. Microarray production lots pass stringent QC requirements for spot morphology and hybridization signal. Pairwise intensity correlation of arrays demonstrate high intra- and inter-lot reproducibility with  $R^2 > 0.97$ .

Table 1: Yeast OneArray® Probe Content	
Source	Probe Number
Total Probes <sup>2</sup>	7,642
Yeast genome	6,958
<i>S. cerevisiae</i> open reading frames	6,787
<i>S. cerevisiae</i> non-coding RNAs	171
Control Probes	684
Oligonucleotide probe length	70-mer

### Array to Array consistency

Figure A: Signal Reproducibility of Yeast OneArray®.

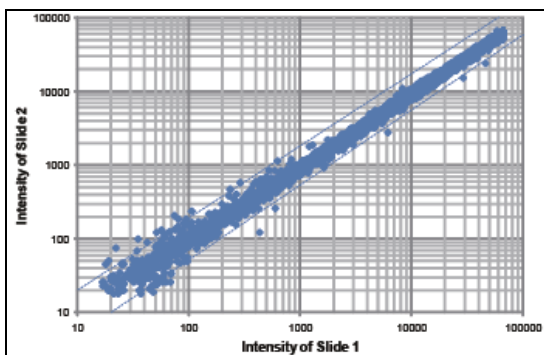


Table 2. Pairwise Intensity Correlation. Comparison of 12 arrays from three different daily lots

Table 2: Pairwise Intensity Correlation of Mouse OneArray®												
	Array 1	Array 2	Array 3	Array 4	Array 5	Array 6	Array 7	Array 8	Array 9	Array 10	Array 11	Array 12
Array 1	1.000	0.997	0.989	0.997	0.995	0.997	0.995	0.991	0.986	0.981	0.987	0.991
Array 2		1.000	0.986	0.995	0.994	0.994	0.995	0.987	0.983	0.986	0.985	0.993
Array 3			1.000	0.985	0.980	0.990	0.982	0.997	0.997	0.980	0.990	0.988
Array 4				1.000	0.994	0.997	0.993	0.986	0.982	0.979	0.980	0.987
Array 5					1.000	0.993	0.997	0.983	0.979	0.976	0.984	0.986
Array 6						1.000	0.993	0.992	0.988	0.979	0.985	0.988
Array 7							1.000	0.985	0.979	0.984	0.986	0.991
Array 8								1.000	0.997	0.982	0.993	0.989
Array 9									1.000	0.979	0.991	0.987
Array 10										1.000	0.983	0.990
Array 11											1.000	0.991
Array 12												1.000



Power of OneArray®