

L A S O B I O T E C H

PORCINE BREEDING ARRAY 50K

China's first Porcine Breeding Microarray with Full Intellectual Property Rights
(On SNP Markers, microarrays, reagent kits and microarray scanners.)

Based on the latest advancements in pig genomics in recent years, China's First Porcine Breeding Microarray features nearly 50,000 SNP markers, covering a wide range of genetic variations in pigs. With an average call rate of 99.5% and a reproducibility rate of 99.9%, it ensures stable and reliable data. It can be widely applied in areas such as Kinship Analysis, Population Genetic Analysis, Variety Improvement and Protection, Genome-wide Association Study, and QTL Analysis, providing an efficient molecular genetic tool for the porcine breeding industry and propelling precision breeding to new heights.

Applications

- ✓ Kinship Analysis
- ✓ Population Genetic Analysis
- ✓ Variety Improvement and Protection
- ✓ Genome-wide Association Study
- ✓ Quantitative trait locus (QTL) Analysis

Features



Extendable

Add custom content to panels, stay updated with discoveries.



Cost-effective

Demonstrates significant cost benefits during large-scale testing.



Efficient

≤ 72h turnaround per experiment.



Accurate

15-30 bead replicates per SNP.
Average call rate ≥99.5%, reproducibility ≥99.9%.

Data Performance

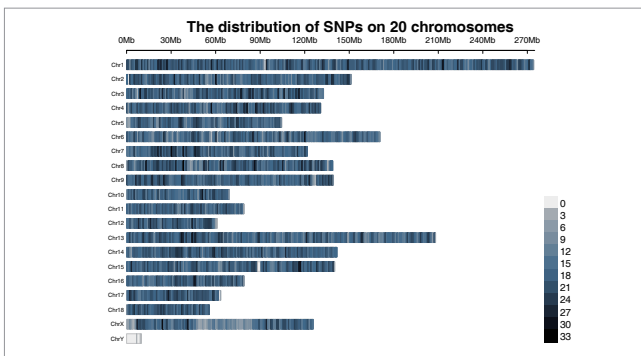


Figure 1 : The distribution of SNPs on 20 chromosomes in pig.

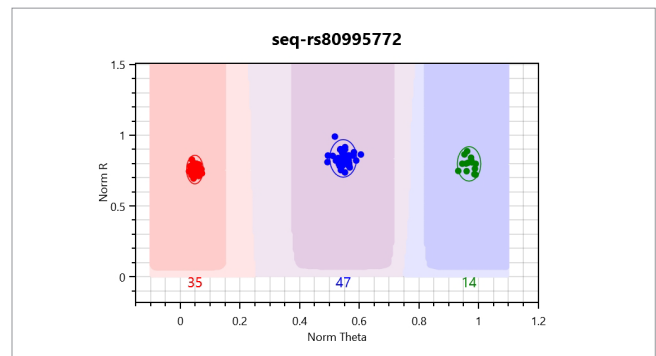


Figure 2 : Genotyping clustering plot of a single SNP in the Porcine Breeding Array 50K.

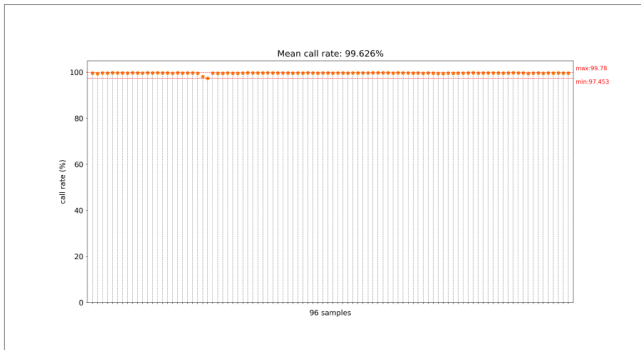


Figure 3 : Genotype call rate for test samples with the Porcine Breeding Array 50K.*Mean call rate: 99.63%.

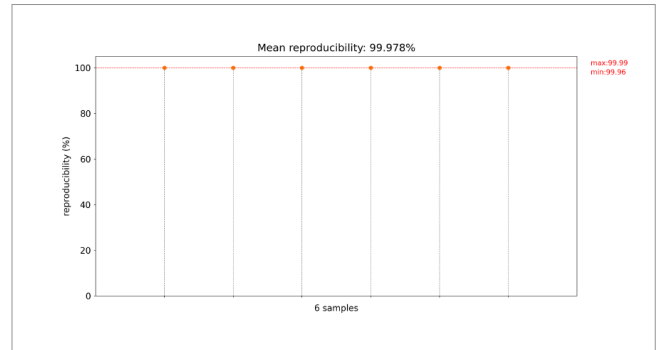


Figure 4: Genotype reproducibility for test samples with the Porcine Breeding Array 50K.*Mean reproducibility: 99.98%.

About LASO Biotech

Suzhou LASO Biotech is a leading pioneer in China for the independent development, production, and commercialization of microarrays, offering an integrated microarray solution, encompassing chips, the chip scanner OmniScan, reagents and softwares.

As of now, LASO Biotech has obtained 13 granted invention patents, 3 utility model patents, and 1 medical device registration certificate, establishing the most comprehensive IP portfolio in China's microarray R&D field.

