

Chicken Screening Array

Made in China with Full Intellectual Property Rights
(On microarrays, reagent kits and microarray scanners)



Product Overview

Chicken Screening Array is a proprietary SNP genotyping microarray jointly developed with the Institute of Animal Science, designed specifically for modern white broiler breeding. Built on high-quality SNP markers derived from diverse chicken populations, it captures key functional genes and genomic regions associated with economically important traits.

With an optimized ~10,000-loci design, the array provides balanced genome coverage suitable for routine breeding programs, marker-assisted selection, and genetic evaluation. It enables breeding enterprises to efficiently generate reliable genotyping data at scale, accelerating molecular breeding progress and supporting the modernization of poultry production.



Applications

- ✓ Genomic Selection Breeding
- ✓ Genetic Diversity Analysis
- ✓ High-effective Target Traits Screening
- ✓ Population Genetic Analysis
- ✓ Variety Purity Identification
- ✓ Large-scale Farming Management

Product Features



Fully Self-Developed

Independently developed microarray, reagents, software, and scanner, ensuring full IP ownership and stable supply.



Accurate

Mean call rate **>98.51%**
Mean reproducibility **>99.95%**



Cost-Efficiency

Optimized ~10K SNP design provides reliable genomic coverage at an economical cost for routine breeding.



Customization Flexible

Supports SNP marker adjustments to meet different breeding objectives and evolving project needs.

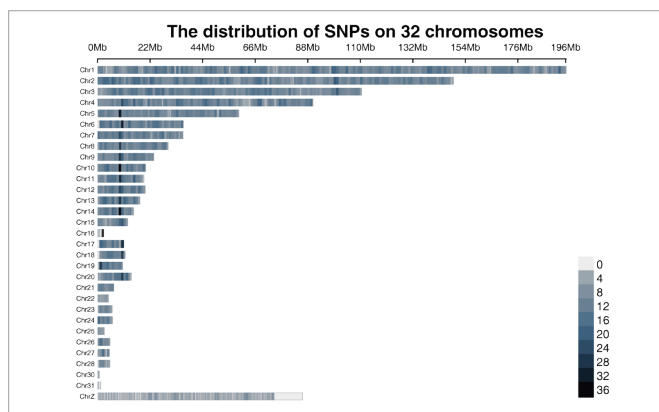


Figure 1. Chromosomal Distribution Map of SNP Loci on the Chicken Screening Array

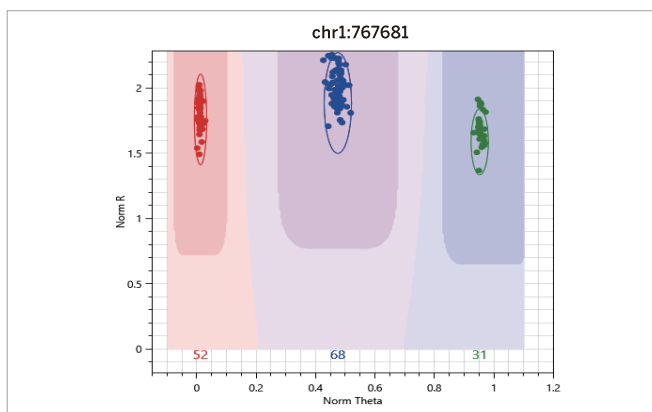


Figure 2. Clustering Genotyping Plot for a Single SNP Locus on the Chicken Screening Array

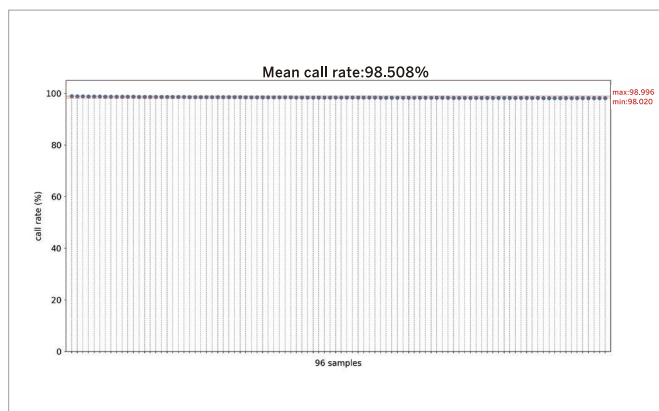


Figure 3. Genotype Call Rate of Test Samples for Chicken Screening Array
*Mean call rate: **98.51%**

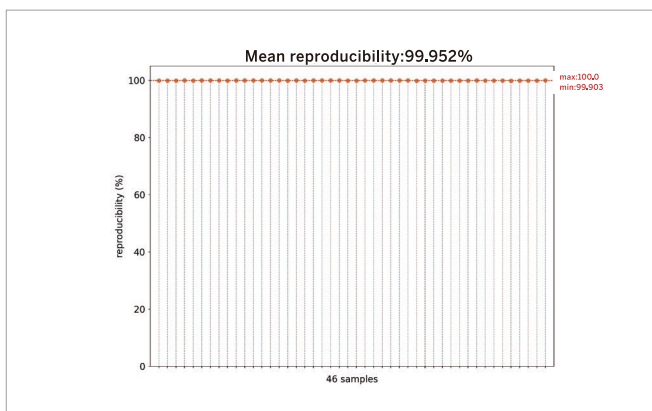


Figure 4. Genotype Reproducibility of Test Samples for Chicken Screening Array
*Mean reproducibility: **99.95%**

About LASO Biotech

Suzhou LASO Biotech is a leading pioneer in China in the independent development, production, and commercialization of high-throughput microarrays, offering an integrated microarray solution that encompasses microarrays, the OmniScan microarray scanner, reagents, algorithms and software.

As of now, Laso Biotech has obtained **22** invention patents, **5** utility model patents, **4** design patents, and 1 medical device registration certificate, making it the company with the most comprehensive intellectual property portfolio and independently controllable core technologies for microarray under Chinese law.

