

Bos Taurus (Bovine) aCGH, QTL and In-Del-QTL Screening Arrays (for Agilent platform)

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Sequence Source: UCSC; **Genome build: bos tau4 ; Oct 2007**

No of chromosomes: **31 (30 and 1 Mitochondrial Chromosome)**

Length of whole genome (nt): **2634429662**

1x244k Bovine CGH Design Array (60-mer probes) Genome centric

Total number of features: **243504**

Avg. probe spacing: **11000 bp**

Probes for RefSeq/mRNA: **21742**

244k Bovine QTL Screening CGH Array (60 mer probes with 50% probes on mRNAs) Gene Centric

Total number of features: **243504**

Avg. probe spacing: **15000 bp**

Probes designed for RefSeq/ mRNA : **65873**

244k Bovine InDel/QTL Screening Array (25-mer probes sensitive to small deletions and amplifications)

Total number of features: **243504**

Avg. probe per RefSeq: **11**

Probes designed from RefSeq: **237303**

105k Bovine CGH Design Array Specifications: (60 mer probes) Gene centric

Total number of features: **105072**

Avg. probe spacing: **25500 bp**

Probes designed for RefSeq/mRNA : **31050**

44k Bovine Whole Genome Gene Expression Design Array Specifications: (60 mer probes)

Total number of features: **45220**

Total no. of Genes covered : **26601**

Total no. of Transcripts covered : **42626**

Note: All arrays have higher coverage in mitochondria and all mitochondria encoded genes are covered

- **Can't find the right bovine design above for your needs?** Our experts can **CUSTOM DESIGN** your array for **any microarray application** (Gene Expression, Methylation, ChIP on chip, mi-RNA) based on your requirements. Visit www.genotypic.co.in/custom_microarrays.html for custom design workflow and details
- Custom **Design for On-Array Capture** and Array Capture, Enrichment Analysis using Agilent method can also be done at Genotypic.
- **Array processing- Optional**:- As a reputed Agilent Certified Service provider serving the global scientific community, Genotypic can also perform Microarray processing of your samples (cells/ tissue/ RNA/DNA) and deliver high quality raw/ analyzed data wherein arrays will be purchased by Genotypic directly. Project will be run with the knowledge of Agilent's local representatives

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