Products include:

- **Shannon pipeline and Veridical software** for high throughput DNA sequence interpretation
- **Automated Splice Site and Exon Definition Server** for mutation analysis
- **Genomic microarrays**
- **Ab-initio FISH DNA** probes cover inaccessible regions
- Low noise **Array-comparative genomic hybridization**
- **Hybridization enrichment pools** for complete gene sequencing
- **Cytogenetic biodosimetry** software

Developing and marketing a broad suite of DNA probe reagents, software-based solutions for mutation analysis and companion software for detection chromosome abnormalities since 2009.

CONTACT US NOW FOR GENOMIC PRODUCTS, LICENSING, CONSULTING AND TECHNOLOGY DEVELOPMENT

CYTOGNOMIX

Cutting Edge Software and Reagents Tools to Interpret Your Genome

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CYTOGNOMIX

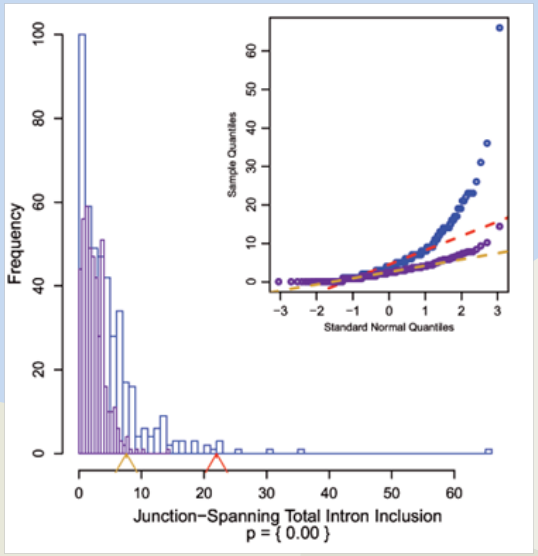
Advanced Reagents and Genomic Biotechnology Products for Next Generation Sequencing and Chromosome Analysis

Cytognomix Software Solutions for Detection of Sequence and Chromosome Changes in Cancer, Prenatal Disorders and Genetic Diseases

SOFTWARE AND REAGENTS
LICENSING
CONSULTING
RESEARCH & DEVELOPMENT

THE CYTOGNOMIX ADVANTAGE

- ✓ All Cytognomix products are patented and highly cited in peer reviewed publications and target next generation sequence (NGS) in chromosome-based applications.
- ✓ Better quality data and denser genomic coverage at lower cost per sample
- ✓ Complete gene sequencing of all unique genomic regions to identify all relevant mutations
- ✓ Ab-initio single copy genomic DNA technology is more comprehensive and reproducible and offers better genomic coverage and more sample multiplexing
- ✓ Fewer DNA probes required; more samples analyzed per sectored array, lowering per sample costs without compromising on performance



CYTOGNOMIX LAB PRODUCTS

- Over 979,347 intervals designed for next generation sequencing capture or genomic microarrays
- 223,000 probes designed for fluorescence *in situ* hybridization
- Targeted enrichment pools for 200 genes mutated at high frequencies in cancer
- Software and algorithms for repeat catalog-independent design of DNA probes for any genome.
- More accurate and reproducible results providing higher quality data than competitor products.
- Hybridization enrichment reagents for genes associated with breast cancer and therapy resistance

We Develop Genomic Applications and Analysis Software to Address Diagnostic Needs of Patients with Genetic Diseases

- Shannon software delivers rapid results – 10 minutes per genome and can distinguish between benign, fully and partially inactivating binding site variants
- Veridical is the first product for validating mutation with RNASeq based data and confirm thousands of results in a few hours
- Low noise, genomic microarray designs used for comparison of genomic hybridization are more reproducible and accurate than other commercial products
- Targeted hybridization arrays for enrichment offer increased coverage for deep sequencing of breast cancer genes
- Our standard and scFISH probes offer the highest genomic resolution available on the market for detection of minor rearrangements in chromosomes accurately
- Biodosimetry products automatically detect chromosome abnormalities using light and fluorescence microscopy regardless of appearance, shape or structure

CYTOGNOMIX

Tools to Interpret Your Genome