NEWS RELEASE

Aventa Genomics Announces Launch of Aventa FusionPlus, the First 3D Genomics Clinical Test for Patients with Solid Cancers

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ORLANDO, Fla.--(BUSINESS WIRE)-- Aventa™ Genomics, LLC, a clinical laboratory established as a joint venture between Arima Genomics, Inc. and Protean BioDiagnostics Inc., today announced the launch of Aventa FusionPlus, a next-generation sequencing (NGS) test for the detection of gene fusions, translocations, and rearrangements across 361 genes from formalin-fixed, paraffin embedded (FFPE) tumor tissue. Aventa's testing service is performed in its CLIA-certified laboratory in Orlando, Florida.

The Aventa FusionPlus test incorporates 3D genomics technology, leveraging the preservation of spatial proximity of fused and rearranged genes for a 100 to a 1000-fold signal amplification and identification of novel breakpoints and fusion partners. As a result, the test improves upon conventional testing methods such as fluorescent in situ hybridization (FISH) and RNA sequencing by revealing actionable biomarkers that these methodologies detect, but also biomarkers that are missed by them. The test also utilizes proprietary analysis and reporting platforms to deliver a comprehensive assessment of the tumor.

"In previously characterized tumor specimens from patients with no known actionable driver, the Aventa FusionPlus test detected potentially actionable variants in half of the cases," said Chris Roberts, Executive Director for Aventa Genomics. "The increase in diagnostic yield from detecting actionable biomarkers FISH and RNA sequencing miss, we believe, will provide more treatment options and will facilitate improved patient management."

"The Aventa FusionPlus test is unique in the market, and we believe it offers physicians a powerful new tool to reveal druggable targets and resolve diagnostic dilemmas," said Anthony Magliocco, MD, FRCPC, FCAP, Medical Director for Aventa Genomics. "We are happy to make this innovative, clinically impactful, precision laboratory

developed diagnostic test available to treating physicians for the benefit of their patients."

"This first clinical application of 3D genomics marks a significant milestone in our journey from enabling genomic discoveries to now assisting patient diagnosis and therapy selection," said Sid Selvaraj, CEO of Arima Genomics. "We thank Protean BioDiagnostics for this joint venture, and we believe that this is only the beginning for the use of 3D genomics technology in the clinical space."

About Aventa Genomics, LLC

Aventa Genomics, LLC, a joint venture between Arima Genomics, Inc. and Protean BioDiagnostics, Inc., is a CLIA certified lab committed to improving patient outcomes by using 3D Genomics tools to reveal druggable targets and resolve diagnostic dilemmas. The company's first laboratory developed test, the Aventa FusionPlus test, detects gene fusions, translocations and rearrangements across 361 genes in formalin-fixed, paraffin embedded (FFPE) tumor tissue. The Aventa FusionPlus test is available for ordering by physicians at **www.aventagenomics.com**.

About Arima Genomics, Inc.

Arima Genomics, Inc. is advancing human health and the life sciences by revealing comprehensive genomic insights. Researchers and clinicians use Arima Genomics' innovative products and services to gain unparalleled access to the three-dimensional (3D) organization of the genome. This advanced technology enables improvements in human health through identification of biomarkers, an expanded understanding of disease mechanisms, development of novel therapeutic approaches, and solutions for patient management. To learn more, visit **www.arimagenomics.com** and connect with us on **Twitter**, **LinkedIn**, and **YouTube**.

About Protean BioDiagnostics Inc.

Protean BioDiagnostics Inc. is bringing precision care diagnostics to all patients, everywhere, through its innovative Protean MAPS™ System with integrated Virtual Tumor Boards. In addition, Protean assists world-class pharmaceutical and biotech companies in developing clinical assays and companion diagnostics from its CLIA-certified, CAP-accredited laboratory in Orlando, FL. To learn more visit **www.proteanbiodx.com**.

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