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Detection of Mutations in Barrett's Esophagus Before Progression to High-grade Dysplasia or Adenocarcinoma

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Detection of Mutations in Barrett's Esophagus Before Progression to High-grade Dysplasia or Adenocarcinoma**Short Title: Genomics of progressive Barrett's esophagus****Authors****Matthew D Stachler^{1,2,10}, Nicholas D Camarda^{3,4,5,6,10}, Christopher Deitrick⁷, Anthony Kim⁵, Agoston T Agoston¹, Robert D Odze¹, Jason L Hornick¹, Anwesha Nag⁸, Aaron R Thorner⁸, Matthew Ducar⁸, Amy Noffsinger⁹, Richard H Lash⁹, Mark Redston⁹, Scott L Carter^{3,4,5,6,11}, Jon M Davison^{7,11}, & Adam J Bass^{4,5,11}****Affiliations****¹ Department of Pathology, Brigham and Women's Hospital and Harvard Medical School, Boston, Massachusetts, USA.****² Department of Oncologic Pathology, Dana Farber Cancer Institute, Boston, Massachusetts, USA.****³ Department of Biostatistics and Computational Biology, Dana-Farber Cancer Institute, Boston, Massachusetts, USA.****⁴ Eli and Edythe L. Broad Institute, Cambridge, Massachusetts, USA.****⁵ Department of Molecular Oncology, Dana Farber Cancer Institute, Boston, Massachusetts, USA.****⁶ Joint Center for Cancer Precision Medicine, Dana Farber Cancer Institute, Boston, Massachusetts, USA.****⁷ Department of Pathology, University of Pittsburgh School of Medicine, Pittsburgh, Pennsylvania, USA****⁸ Center for Cancer Genome Discovery, Dana Farber Cancer Institute, Boston, Massachusetts, USA.****⁹ Inform Diagnostics Research Institute, Needham, Massachusetts (AN and MR), Irving, Texas (RHL)****¹⁰ These authors contributed equally to this work****¹¹ These authors jointly supervised this work****Corresponding author**

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