Supplemental Methods

Cell culture and reagents

The esophageal adenocarcinoma cell lines OE19 and OE33 were obtained from Sigma (Sigma-Aldrich, St. Louis). FLO-1, SK-GT-4, and JH-EsoAd1 cell lines were kind gifts from Dr. David Beer (University of Michigan) and Dr. James R. Eshleman (Johns Hopkins University). The EPC2 cells were kindly provided by Dr. Hiroshi Nakagawa (University of Pennsylvania, Philadelphia, PA). The immortalized cell lines originated from normal esophageal squamous epithelia, HEEC, was purchased from ScienCell Research Laboratories (Carlsbad, CA). HEEC cells were cultured in EpiCM-2 medium (ScienCell) supplemented with 5% FBS. EPC2 cells were grown in keratinocyte SFM medium supplemented with 40 mg/ml bovine pituitary extract and 1 ng/ml epidermal growth factor (Invitrogen). BAR-T cells were kindly provided by Dr Rhonda Souza (The University of Texas Southwestern Medical Center).