A 53-year-old White man was referred for evaluation of a pterygium-like growth on his right eye for 2 months suspicious for ocularsurface squamous neoplasia (A). Excisional biopsy demonstrated irregular nests of intraepithelial and stromal melanocytes without visiblepigment (B). There was focally moderate cellular atypia and a low proliferative index. Cells expressed HMB-45 throughout (C) andPReferentially expressed Antigen in MElanoma (PRAME) (D). Fluorescence in situ hybridization assay revealed an increased copy numberof chromosome 6p25 (including transcription factor Ras-responsive element binding protein 1 [RREB1]).