**Supplementary Figure S3.**

Imunoconfocal microscopy for MUC5AC (*green*) expressed by normal oral mucosa (A), the removed pannas of Patient 4 while undergoing COMET (D), and corneal tissues from Patients 1 (B), 2 (E), 3 (C), and 4 (F). Cell nuclei were counter-stained with PI (*red*). MUC5AC was expressed in the pannas of Patient 4 (D), but was negative in all other specimens, including the oral mucosa (A) and all the corneal specimens (B, E, C, and F).