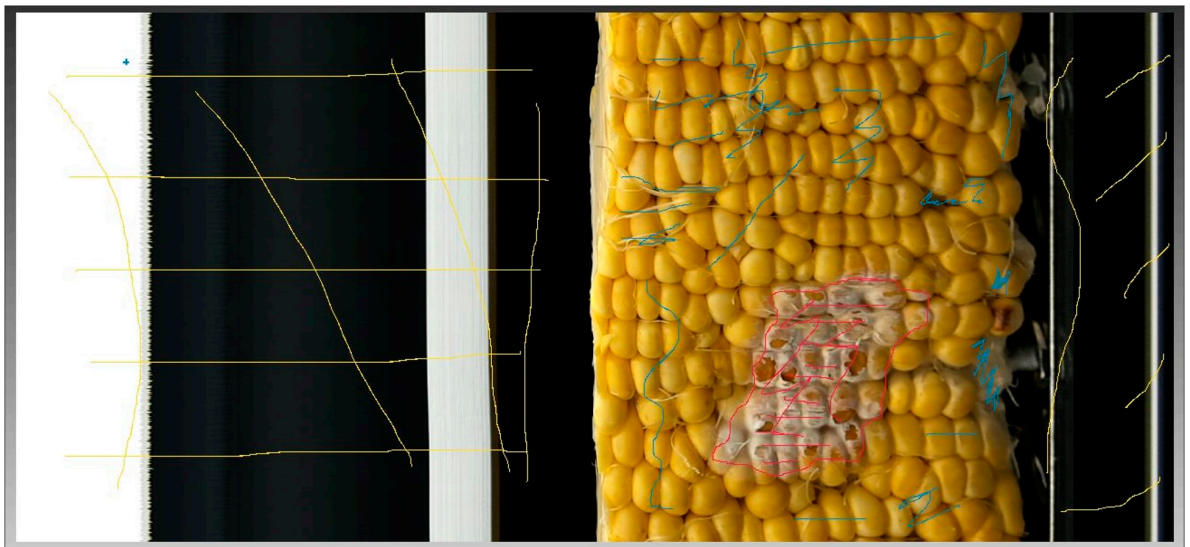


**Supplemental Figure S1.** Examples of morphologically diverse maize sample images produced by The Ear Unwrapper.



**Supplemental Figure S2.** Example of annotation in Ilastik. Yellow lines are drawn on the background. Blue lines are drawn on healthy tissue, and red lines are drawn on diseased tissue.