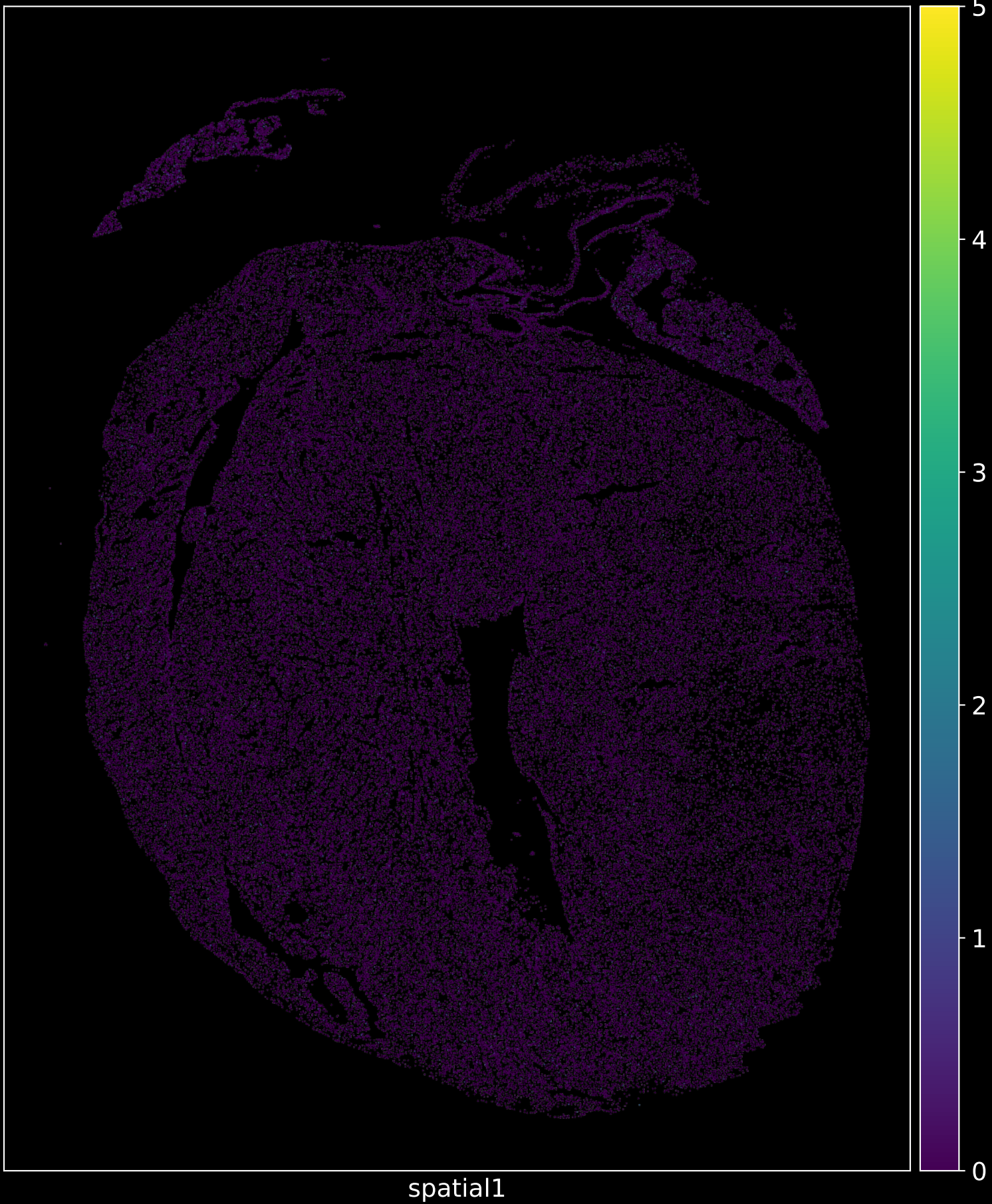Erbb4 in ctrl