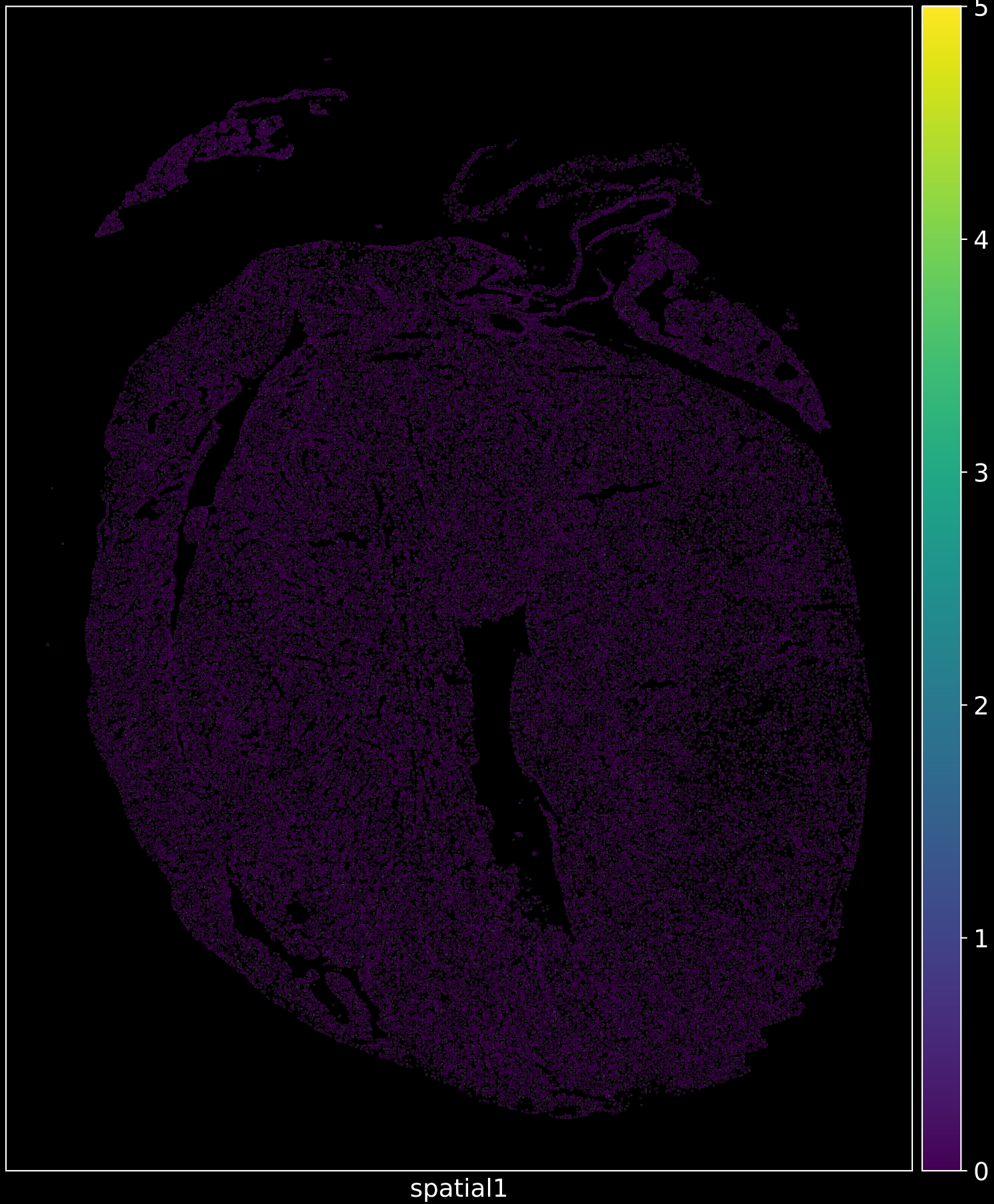Smad2 in ctrl