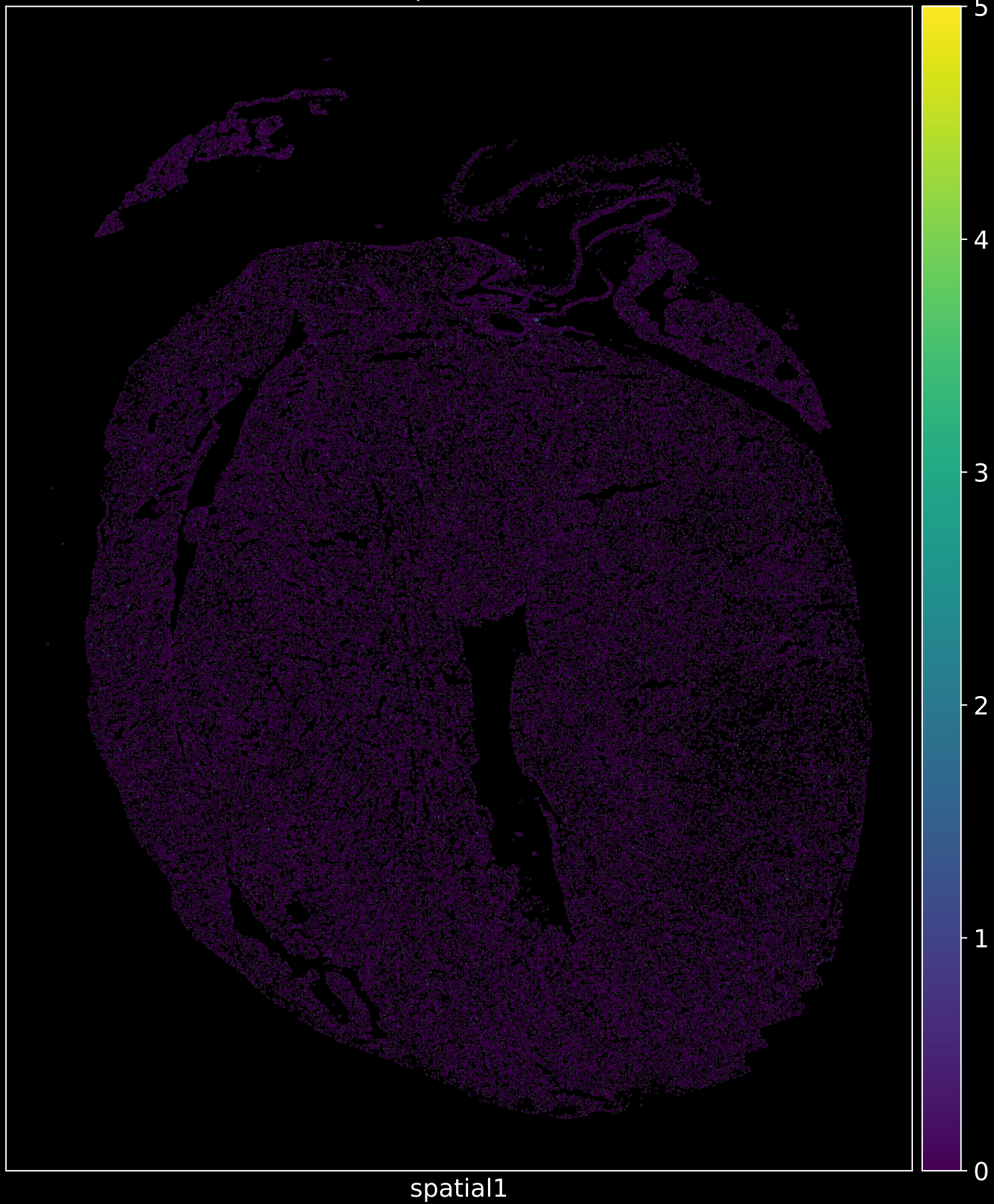Plp1 in ctrl