



Figure S1. Omit map showing the electron density of the connectivity region. Simulated annealing composite omit 2Fo-Fc maps were calculated using Phenix. Electron density contoured at 1 σ is shown as blue mesh for the connectivity region between the prodomain arm domain and the growth-factor in the crystal structures of the uncleaved R249A PC mutant pro-TGF- β 1 (A) and the cleaved WT pro-TGF- β 1 (B). The arm domain is green, the straitjacket is lightblue, and the growth factor is cyan. Residues 239-242 of the prodomain and 251-254 for the growth-factor are shown as sticks.