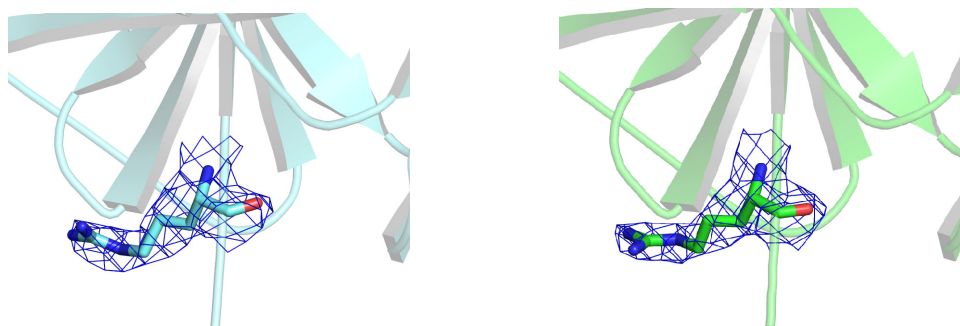


a. Electron density of S370, shown as sticks.

Contours of 2Fo-Fc map are shown as blue mesh at 1.2 σ .

Blue: pH 7.1, Green: pH 5.4,



b. Electron density of R495, shown as sticks.

Contours of 2Fo-Fc map are shown as blue mesh at 1.2 σ .

Blue: pH 7.1 Green: pH 5.4,

Supplementary Figure