



STRUCTURAL BIOLOGY
COMMUNICATIONS

Volume 75 (2019)

Supporting information for article:

**Crystal structure of the programmed cell death 5 protein from
*Sulfolobus solfataricus***

Kuan-Fu Lin, Chia-Yuan Hsu, Meng-Ju Tsai, Ching-Hui Yeh and Chin-Yu Chen

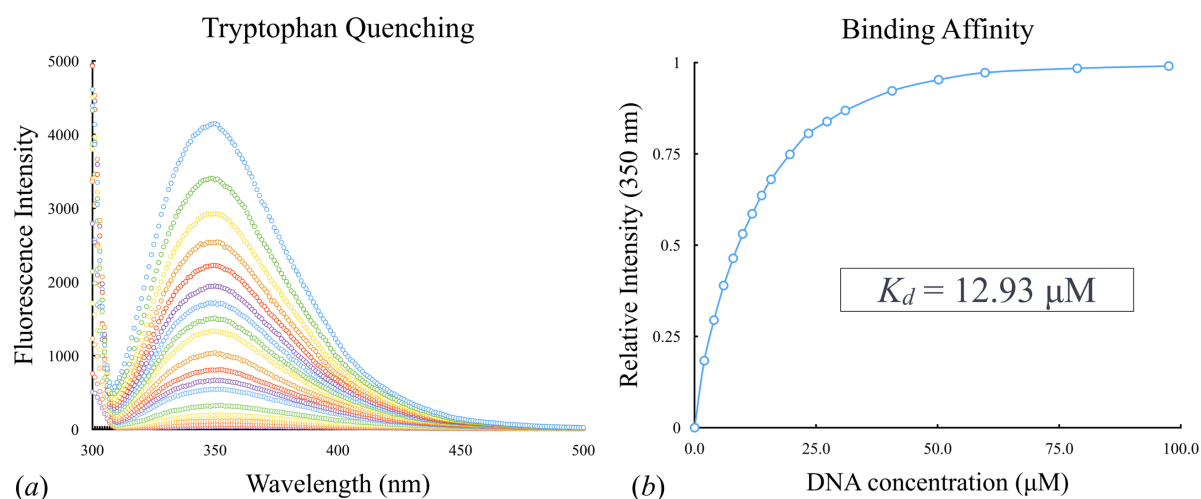


Figure S1. The fluorescence spectra of SsoPDCD5 and its DNA-binding curve. (a) Fluorescence emission spectra of the intrinsic tryptophan residue (W117) of the 14.5 μM SsoPDCD5 and its fluorescence quenching by incubation with the 20-bp dsDNA (5'-CCAACACTGGCCAGTGTGG-3') in 20 mM Tris, pH 7.5 at 25°C (selected spectra are shown). (b) The binding of SsoPDCD5 to the dsDNA was indicated by the quenching of the tryptophan (W117) fluorescence (345 nm) in the protein as a function of DNA concentration. A nonlinear fit of the titration data for SsoPDCD5 binding to a 20-bp dsDNA yielded a binding affinity of 12.93 μM .