



Sensorgrams obtained for each replicate of peptide **13** / Phd_{STm}⁵²⁻⁷³ E66A (analyte) binding to Doc_{STm} (ligand). Six concentrations of the analyte were flown over the surface in a single cycle, ranging from 50 nM to 0.206 nM (3-fold dilutions). The association and dissociation times were 80 s and 1000 s, respectively.

Summary of the fitted parameters obtained from each SPR measurement of peptide **13**.

Replicate	k_{on} ($M^{-1} s^{-1}$)	k_{off} (s^{-1})	K_D (pM)	R_{MAX} (RU)	t_c ($RU M^{-1} s^{-1}$)	χ^2 (RU ²)	U-value
1	$1.504 \pm 0.002 \times 10^6$	$7.151 \pm 0.063 \times 10^{-5}$	47.5	35.0 ± 0.01	$4.63 \pm 12.00 \times 10^{12}$	0.406	5
2	$3.260 \pm 0.013 \times 10^6$	$14.70 \pm 0.04 \times 10^{-5}$	45.1	28.9 ± 0.01	$6.760 \pm 0.094 \times 10^7$	0.111	2
3	$3.350 \pm 0.017 \times 10^6$	$11.80 \pm 0.05 \times 10^{-5}$	35.2	29.9 ± 0.01	$4.830 \pm 0.058 \times 10^7$	0.159	2