



Sensorgrams obtained for each replicate of peptide **23** / Phd_{STm}⁵⁶⁻⁷⁰ (analyte) binding to Doc_{STm} (ligand). Six concentrations of the analyte were flown over the surface in a single cycle, ranging from 200 nM to 0.824 nM (3-fold dilutions). The association and dissociation times were 80 s and 400 s, respectively.

Summary of the fitted parameters obtained from each SPR measurement of peptide **23**.

Replicate	k_{on} ($M^{-1} s^{-1}$)	k_{off} (s^{-1})	K_D (nM)	R_{MAX} (RU)	t_C ($RU M^{-1} s^{-1}$)	χ^2 (RU^2)	U-value
1	$1.534 \pm 0.006 \times 10^6$	$2.840 \pm 0.008 \times 10^{-3}$	1.85	17.6 ± 0.01	$2.425 \pm 2.000 \times 10^{12}$	0.461	2
2	$1.439 \pm 0.006 \times 10^6$	$2.785 \pm 0.008 \times 10^{-3}$	1.94	18.5 ± 0.01	$1.631 \pm 3.300 \times 10^{12}$	0.455	2
3	$1.265 \pm 0.005 \times 10^6$	$2.758 \pm 0.007 \times 10^{-3}$	2.18	20.2 ± 0.01	$4.966 \pm 42.000 \times 10^{11}$	0.457	2