



Sensorgrams obtained for each replicate of peptide **21** / Phd_{STm}⁵⁵⁻⁷³ (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 1200 s, respectively.

Summary of the fitted parameters obtained from each SPR measurement of peptide **21**.

Replicate	k_{on} ($M^{-1} s^{-1}$)	k_{off} (s^{-1})	K_D (pM)	R_{MAX} (RU)	t_c ($RU M^{-1} s^{-1}$)	Chi ² (RU ²)	U-value
1	$1.344 \pm 0.004 \times 10^6$	$5.508 \pm 0.011 \times 10^{-4}$	410	17.6 ± 0.01	$9.656 \pm 17.000 \times 10^{12}$	0.292	2
2	$1.218 \pm 0.003 \times 10^6$	$5.013 \pm 0.010 \times 10^{-4}$	412	19.1 ± 0.01	$2.095 \pm 1.200 \times 10^{12}$	0.287	2
3	$1.195 \pm 0.003 \times 10^6$	$4.361 \pm 0.009 \times 10^{-4}$	365	20.7 ± 0.01	$3.899 \pm 5.500 \times 10^{12}$	0.298	2