



Sensorgrams obtained for each replicate of peptide **22** / Phd_{STm}⁵⁵⁻⁷¹ (analyte) binding to Doc_{STm} (ligand). Six concentrations of the analyte were flown over the surface in a single cycle, ranging from 100 nM to 0.412 nM (3-fold dilutions). The association and dissociation times were 80 s and 800 s, respectively.

Summary of the fitted parameters obtained from each SPR measurement of peptide **22**.

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	$1.525 \pm 0.004 \times 10^6$	$5.213 \pm 0.016 \times 10^{-4}$	342	20.5 ± 0.01	$4.07 \pm 120.00 \times 10^{13}$	0.376	2
2	$1.466 \pm 0.004 \times 10^6$	$4.925 \pm 0.015 \times 10^{-4}$	336	21.8 ± 0.01	$1.131 \pm 2.100 \times 10^{13}$	0.381	2
3	$1.357 \pm 0.003 \times 10^6$	$4.946 \pm 0.015 \times 10^{-4}$	365	22.6 ± 0.01	$2.951 \pm 2.200 \times 10^{13}$	0.386	2