



Sensorgrams obtained for each replicate of peptide **20** / Phd_{STm}⁵²⁻⁷¹ (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 **20**.

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	$9.247 \pm 0.016 \times 10^5$	$4.132 \pm 0.006 \times 10^{-4}$	447	22.0 ± 0.01	$4.539 \pm 8.000 \times 10^{12}$	0.166	1
2	$9.339 \pm 0.014 \times 10^5$	$3.870 \pm 0.006 \times 10^{-4}$	414	23.4 ± 0.01	$5.672 \pm 2.800 \times 10^{11}$	0.165	1
3	$8.910 \pm 0.014 \times 10^5$	$3.778 \pm 0.006 \times 10^{-4}$	424	24.5 ± 0.01	$8.001 \pm 11.000 \times 10^{12}$	0.164	1