



Sensorgrams obtained for each replicate of peptide **11** / Phd_{STm}⁵²⁻⁷³ G64A (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 **11**.

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	$1.081 \pm 0.001 \times 10^6$	$1.420 \pm 0.004 \times 10^{-5}$	130	33.8 ± 0.01	$4.702 \pm 3.400 \times 10^{11}$	0.156	2
2	$3.070 \pm 0.014 \times 10^6$	$2.280 \pm 0.005 \times 10^{-5}$	74.3	28.4 ± 0.01	$5.270 \pm 0.073 \times 10^7$	0.125	1
3	$2.900 \pm 0.016 \times 10^6$	$2.230 \pm 0.006 \times 10^{-5}$	76.9	27.7 ± 0.01	$4.240 \pm 0.062 \times 10^7$	0.143	1