



Sensorgrams obtained for each replicate of peptide **9** / Phd_{STM}⁵²⁻⁷³ V62A (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 **9**.

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	$1.798 \pm 0.011 \times 10^6$	$3.293 \pm 0.008 \times 10^{-4}$	183	33.8 ± 0.01	$2.110 \pm 0.220 \times 10^8$	0.365	1
2	$1.649 \pm 0.002 \times 10^6$	$3.936 \pm 0.006 \times 10^{-4}$	239	22.7 ± 0.01	$1.087 \pm 0.230 \times 10^{13}$	0.102	1
3	$3.350 \pm 0.015 \times 10^6$	$4.420 \pm 0.008 \times 10^{-4}$	132	28.4 ± 0.01	$6.920 \pm 0.112 \times 10^7$	0.151	1