



Sensorgrams obtained for each replicate of peptide **16** / Phd_{STM}⁵²⁻⁷³ E69A (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 **16**.

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	$2.199 \pm 0.005 \times 10^6$	$1.511 \pm 0.007 \times 10^{-4}$	68.7	23.4 ± 0.01	$2.47 \pm 30.00 \times 10^{14}$	0.310	3
2	$2.373 \pm 0.005 \times 10^6$	$1.688 \pm 0.007 \times 10^{-4}$	70.3	24.0 ± 0.01	$9.908 \pm 24.000 \times 10^{14}$	0.348	2
3	$1.730 \pm 0.011 \times 10^6$	$0.8970 \pm 0.0037 \times 10^{-4}$	51.8	26.4 ± 0.01	$6.090 \pm 0.029 \times 10^6$	0.079	2