



Sensorgrams (upper charts) and steady-state fit (lower charts) obtained for each replicate of peptide **14** / Phd<sub>STm</sub><sup>52-73</sup> L67A (analyte) binding to Doc<sub>STm</sub> (ligand). Six concentrations of the analyte were flown in multiple individual cycles, ranging from 500 nM to 2.06 nM (3-fold dilutions). The association and dissociation times were, respectively, 100 s and 300 s. For replicate 3 the association and dissociation times were, respectively, 80 s and 200 s

Summary of the fitted parameters obtained from each SPR measurement of peptide **14**.

Replicate	K <sub>D</sub> (nM)	R <sub>MAX</sub> (RU)	Offset (RU)	Chi <sup>2</sup> (RU <sup>2</sup> )
<b>1</b>	24.96 ± 0.50	26.8 ± 0.1	2.10 ± 0.11	0.009
<b>2</b>	23.93 ± 0.94	24.5 ± 0.2	2.10 ± 0.20	0.028
<b>3</b>	15.4 ± 2.13	15.8 ± 0.5	0.90 ± 0.54	0.131