Table S1: Non-linear least square fitting with Monte Carlo error of the chemical shifts mapping variations.

Calculated constants and errors from the chemical shifts mapping variations of the 5 most representative residues during titration of the Hck_{SH3} domain with increasing peptide concentrations of the polyproline motif of ELMO under its phosphorylated ($ELMO_{(p)707-727}$) or non-phosphorylated form ($ELMO_{707-727}$).

		D95	S110	E112	W113sc	S129
$ELMO_{707-727}$	**Kd**	1.7 ± 0.18 mM	1.97 ± 0.39 mM	1.84 ± 0.14 mM	1.73 ± 0.13 mM	1.56 ± 0.1 mM
	Δδmax [ppm]	0.11	0.18	0.19	0.35	0.13
	R	0.995	0,981	0.997	0.997	0.998
	χ^2	5E-05	8E-04	1E-04	5E-04	8E-05
$ELMO_{(p)707-727}$	**Kd**	7.9 ± 1.7 mM	5.08 ± 0.18 mM	4.68 ± 0.29 mM	5.18 ± 0.36 mM	4.55 ± 0.3 mM
	Δδmax [ppm]	0.18	0.21	0.25	0.43	0.16
	R	0.994	0,999	0.999	0.999	0.999
	χ^2	1E-04	1E-05	0.5E-04	1.5E-04	2.5E-05