

**Figure 3 – source data 1**

<b>pH In</b>	<b>pH Out</b>	<b>n/m (stoichiometry, proton:peptide)</b>	<b>Peptide in (mM)</b>	<b>Peptide out (mM)</b>	<b>Delta psi*</b>
6.8	6.8	1	10	0.1	-120
6.8	6.8	2	10	0.1	-60
6.8	6.8	3	10	0.1	-40
6.8	6.8	4	10	0.1	-30
6.8	6.8	5	10	0.1	-24
6.8	6.8	6	10	0.1	-20
6.8	6.0	1	10	0.1	-72
6.8	6.0	2	10	0.1	-12
6.8	6.0	3	10	0.1	8
6.8	6.0	4	10	0.1	18
6.8	6.0	5	10	0.1	24
6.8	6.0	6	10	0.1	28