

Supplementary Table S1 List of the buffers and used in the thermal shift assay and their pH values.

Number	Buffer (100 mM)	pH
1	Sodium acetate	4.5
2	Sodium acetate	5.0
3	Sodium-Potassium phosphate	5.0
4	Sodium citrate	5.5
5	MES	5.6
6	MES	5.8
7	Bis-Tris	6.0
8	Sodium-Potassium phosphate	6.0
9	MES	6.2
10	MES	6.5
11	HEPES	6.8
12	Sodium-Potassium phosphate	7.0
13	HEPES	7.0
14	MOPS	7.0
15	Ammonium acetate	7.0
16	HEPES	7.2
17	Tris-HCl	7.5
18	HEPES	7.5
19	Tris-HCl	8.0
20	Imidazole	8.0
21	Tris-HCl	8.5
22	Tris-HCl	9.0