

**Full interpretation of the results requires you to look at the individual melt curves.**

**The summary graph appears to be unreliable**

**90%** of curves were used in  $T_m$  estimations

Average estimation of error is **1.7 C**

Protein as supplied is **well behaved**

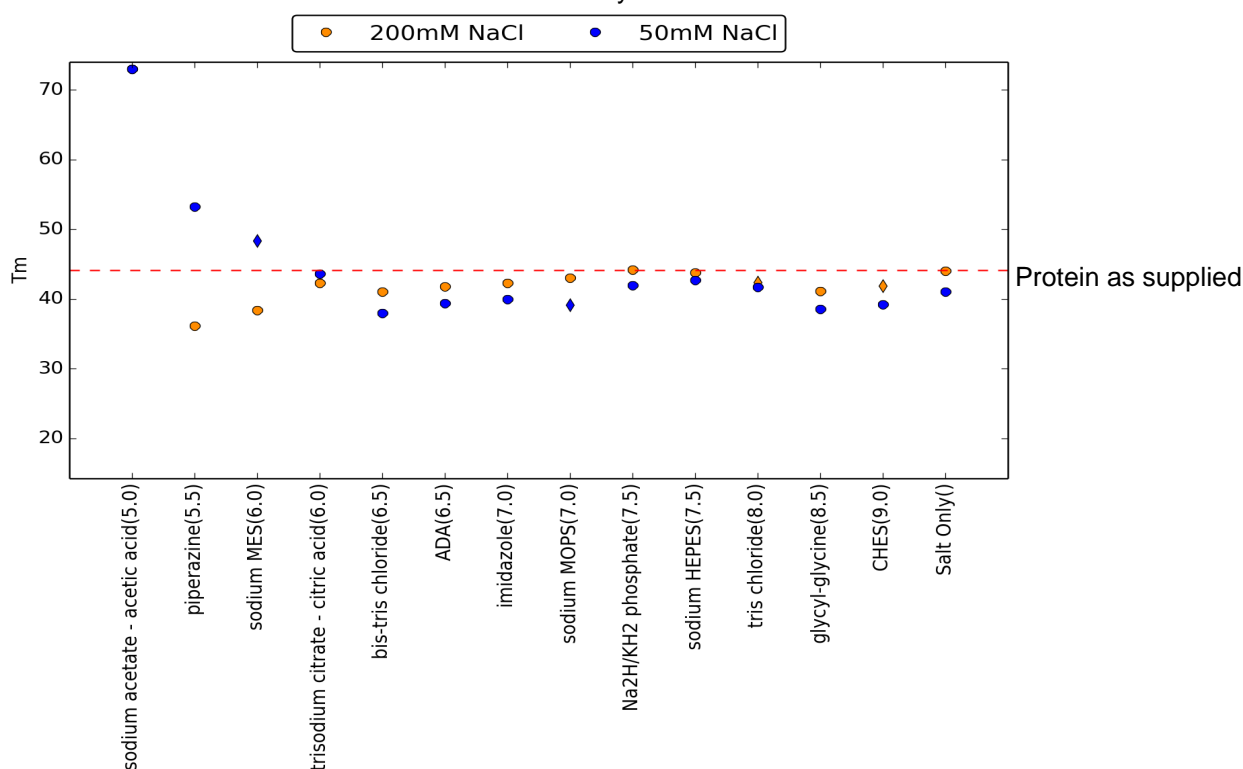
Protein as supplied:  $T_m = 44.13(\pm 0.53)$

Lysozyme Control: Passed

No Dye Control: Failed

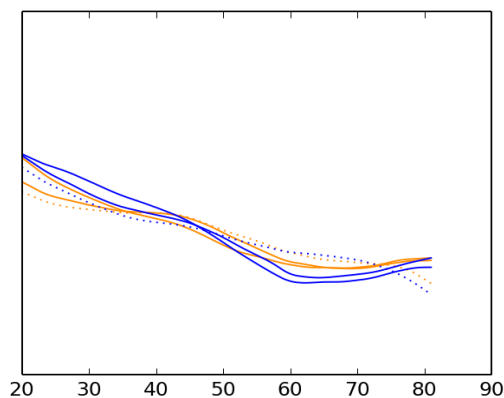
No Protein Control: Failed

Tms drawn in diamonds may be unreliable



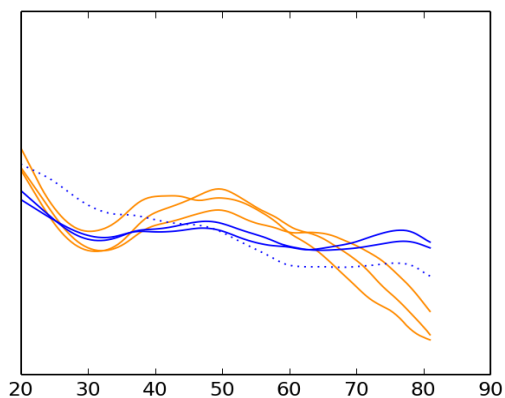
**Highest  $T_m = 73.0 \pm 0.0$**

**(sodium acetate - acetic acid / 200mM NaCl)**



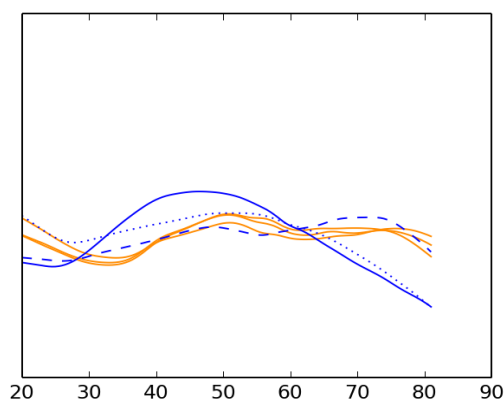
### sodium acetate - acetic acid (5.0)

Grouped by	Tm
200mM NaCl	73.0 (+/-0.0)
50mM NaCl	73.0 (+/-0.0)



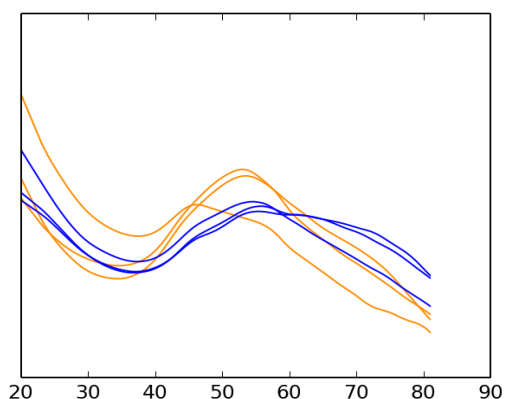
### piperazine (5.5)

Grouped by	Tm	Adjusted pH at Tm
200mM NaCl	36.19 (+/-0.44)	5.21
50mM NaCl	53.26 (+/-18.15)	4.89



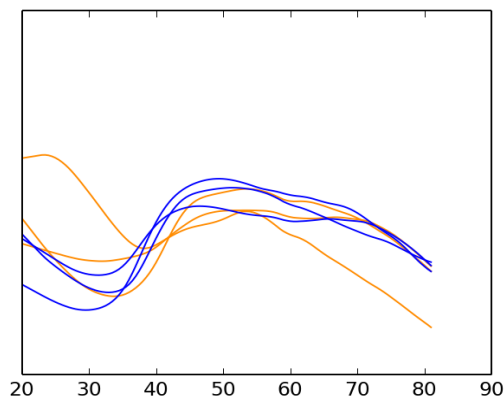
### sodium MES (6.0)

Grouped by	Tm	Adjusted pH at Tm
200mM NaCl	38.42 (+/-0.04)	5.86
50mM NaCl	48.38 (+/-16.74)	5.78



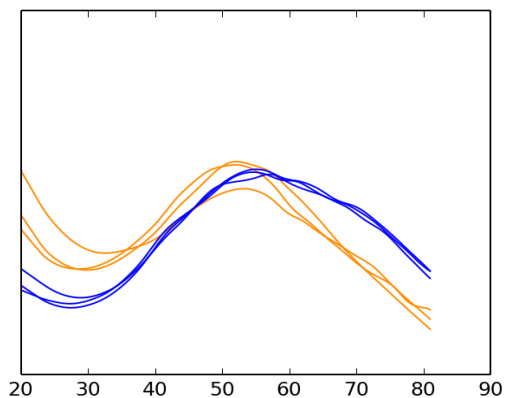
### trisodium citrate - citric acid (6.0)

Grouped by	Tm	Adjusted pH at Tm
200mM NaCl	42.33 (+/-0.09)	6.09
50mM NaCl	43.61 (+/-0.02)	6.09



### bis-tris chloride (6.5)

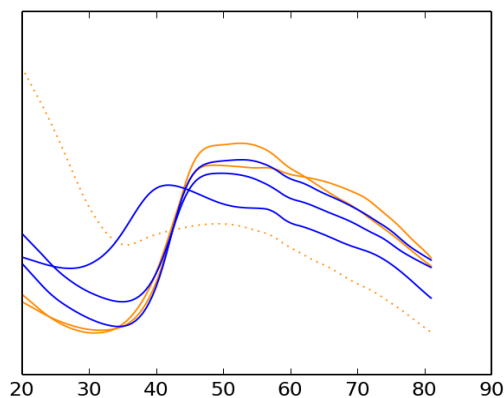
Grouped by	Tm	Adjusted pH at Tm
200mM NaCl	41.03 (+/-0.23)	6.23
50mM NaCl	37.97 (+/-0.71)	6.27



### ADA (6.5)

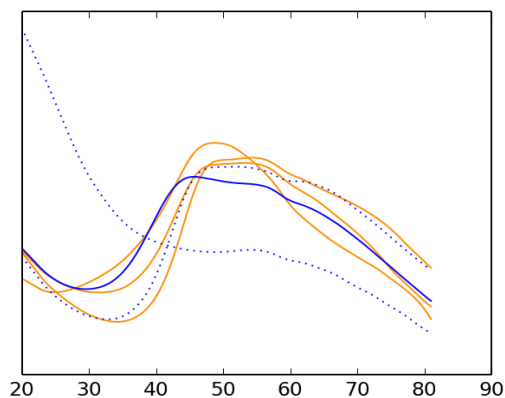
Grouped by	Tm	Adjusted pH at Tm
200mM NaCl	41.79 (+/-0.24)	6.42
50mM NaCl	39.42 (+/-0.12)	6.43

Monotonic, saturated, in the noise, and outlier curves are dotted, and excluded from Tm calculations  
Curves drawn with dashed lines have unreliable Tm estimates



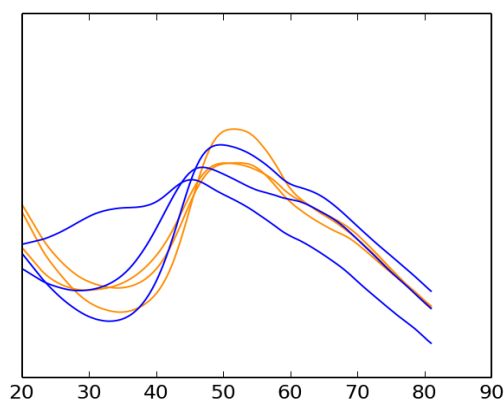
### imidazole (7.0)

Grouped by	Tm	Adjusted pH at Tm
200mM NaCl	42.28 (+/-0.3)	6.62
50mM NaCl	40.02 (+/-2.86)	6.66



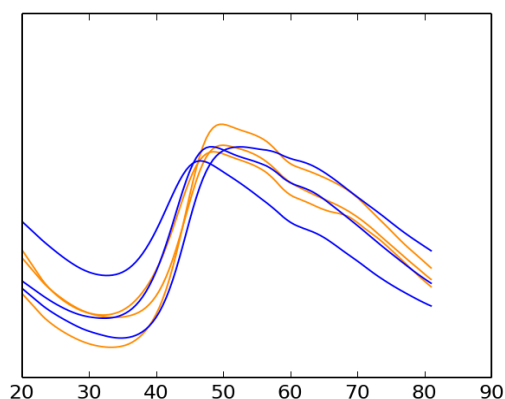
### sodium MOPS (7.0)

Grouped by	Tm	Adjusted pH at Tm
200mM NaCl	43.07 (+/-0.56)	6.81
50mM NaCl	39.17	6.84



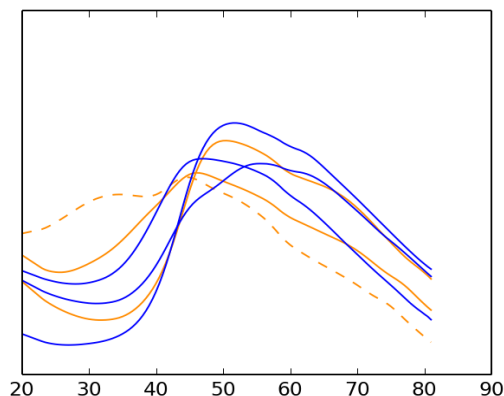
### Na2H/KH2 phosphate (7.5)

Grouped by	Tm	Adjusted pH at Tm
200mM NaCl	44.2 (+/-0.48)	7.63
50mM NaCl	42.0 (+/-0.98)	7.62



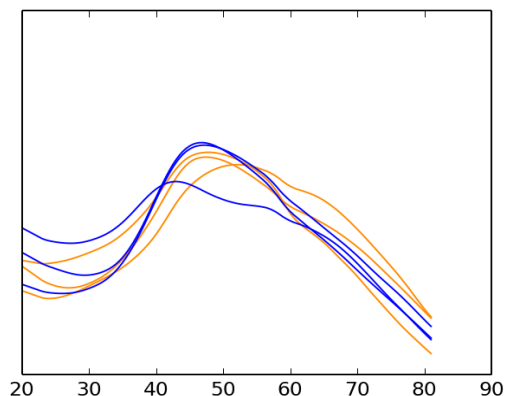
### sodium HEPES (7.5)

Grouped by	Tm	Adjusted pH at Tm
200mM NaCl	43.77 (+/-0.53)	7.36
50mM NaCl	42.7 (+/-1.17)	7.36



### tris chloride (8.0)

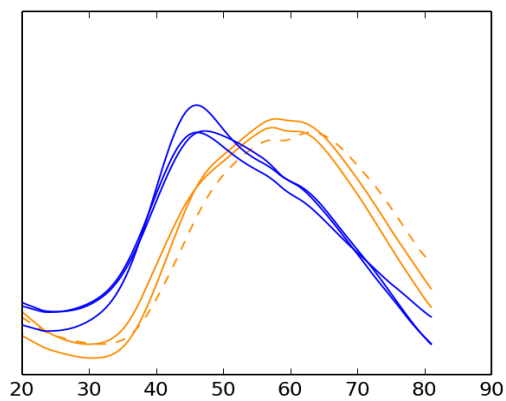
Grouped by	Tm	Adjusted pH at Tm
200mM NaCl	42.39 (+/-0.95)^	7.55
50mM NaCl	41.73 (+/-1.29)	7.56



### glycyl-glycine (8.5)

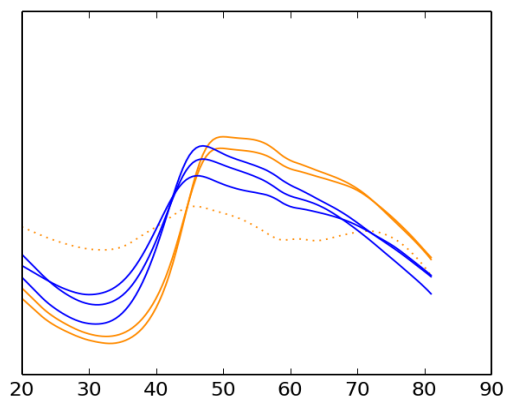
Grouped by	Tm	Adjusted pH at Tm
200mM NaCl	41.16 (+/-0.26)	8.15
50mM NaCl	38.57 (+/-1.18)	8.19

Monotonic, saturated, in the noise, and outlier curves are dotted, and excluded from Tm calculations  
Curves drawn with dashed lines have unreliable Tm estimates



### CHES (9.0)

Grouped by	Tm	Adjusted pH at Tm
200mM NaCl	41.86 (+/-1.7)^	8.74
50mM NaCl	39.2 (+/-0.44)	8.77



### Salt Only ( )

Grouped by	Tm
200mM NaCl	44.01 (+/-0.06)
50mM NaCl	41.08 (+/-0.57)

Monotonic, saturated, in the noise, and outlier curves are dotted, and excluded from Tm calculations  
Curves drawn with dashed lines have unreliable Tm estimates