

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

The summary graph appears to be unreliable

71% of curves were used in T_m estimations

Average estimation of error is **4.2 C**

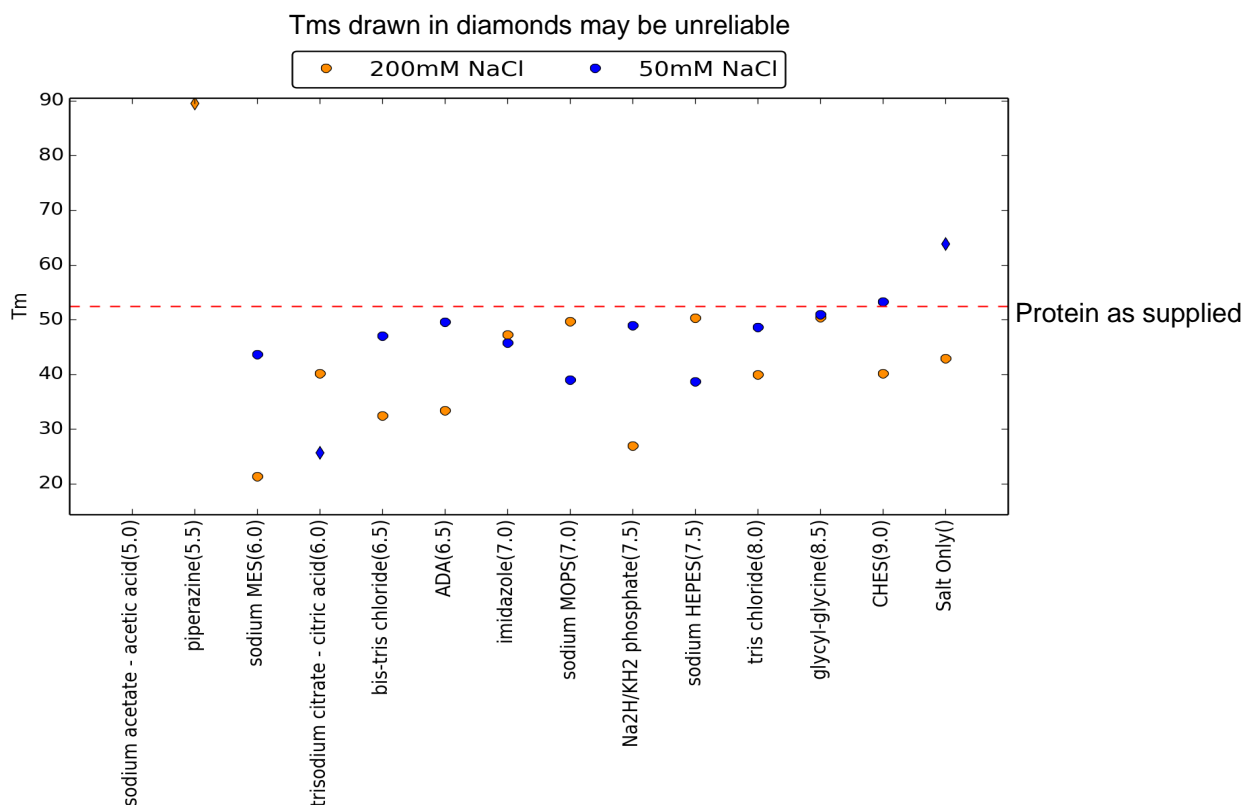
Protein as supplied is **well behaved**

Protein as supplied: $T_m = 52.44(\pm 0.47)$

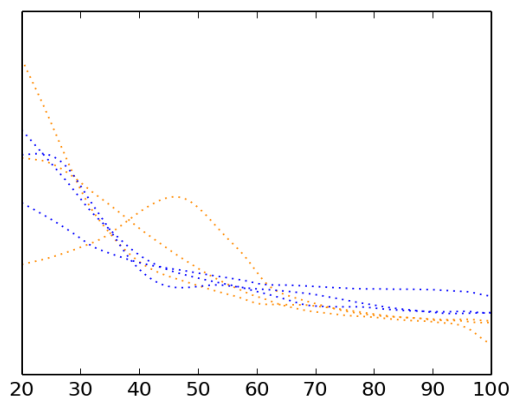
Lysozyme Control: Passed

No Dye Control: Passed

No Protein Control: Passed

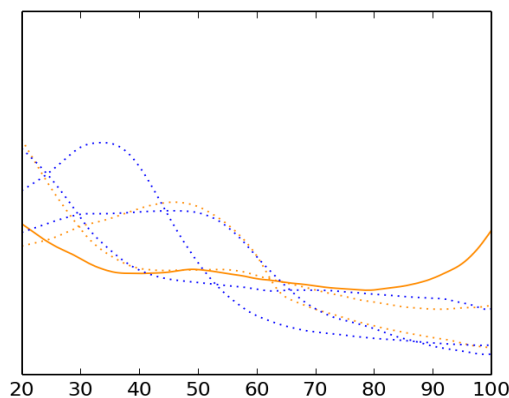


Highest $T_m = 89.5 \pm 0.0$
(piperazine / 200mM NaCl)



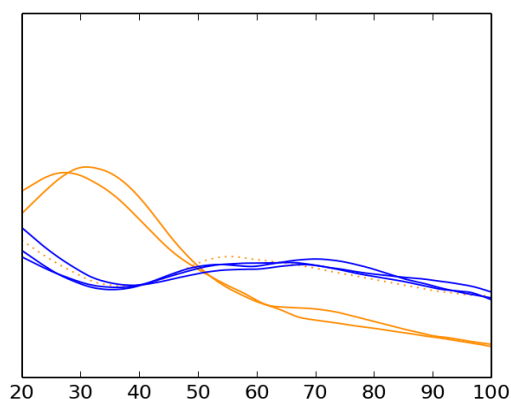
sodium acetate - acetic acid (5.0)

| Grouped by | Tm |
|------------|------|
| 200mM NaCl | None |
| 50mM NaCl | None |



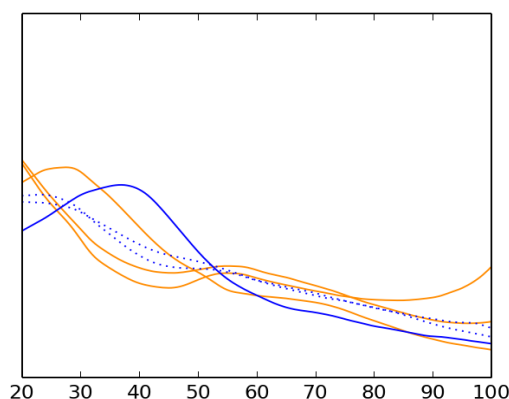
piperazine (5.5)

| Grouped by | Tm | Adjusted pH at Tm |
|------------|------|-------------------|
| 200mM NaCl | 89.5 | 4.23 |
| 50mM NaCl | None | |



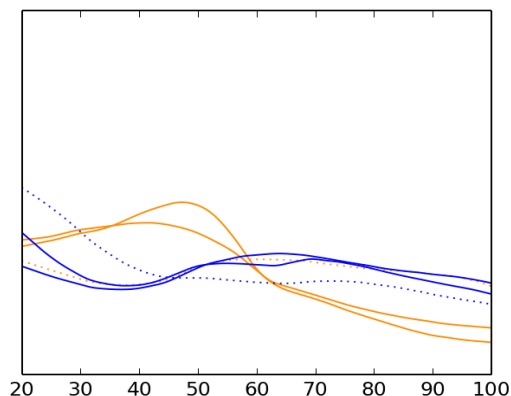
sodium MES (6.0)

| Grouped by | Tm | Adjusted pH at Tm |
|------------|-----------------|-------------------|
| 200mM NaCl | 21.37 (+/-0.64) | 5.99 |
| 50mM NaCl | 43.69 (+/-1.03) | 5.82 |



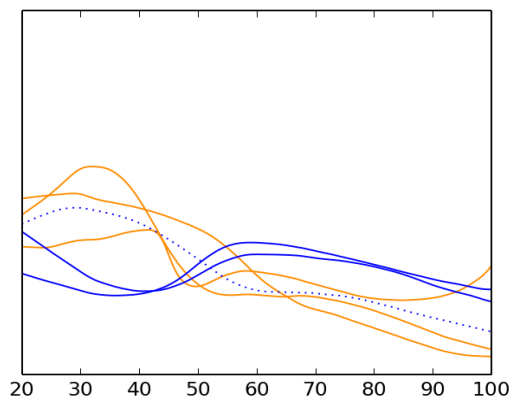
trisodium citrate - citric acid (6.0)

| Grouped by | Tm | Adjusted pH at Tm |
|------------|------------------|-------------------|
| 200mM NaCl | 40.23 (+/-13.99) | 6.08 |
| 50mM NaCl | 25.74 | 6.02 |



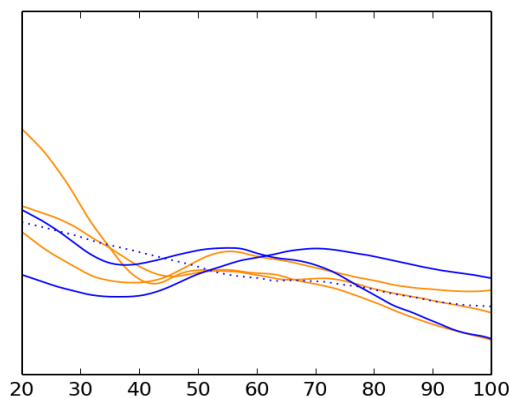
bis-tris chloride (6.5)

| Grouped by | Tm | Adjusted pH at Tm |
|------------|-----------------|-------------------|
| 200mM NaCl | 32.43 (+/-5.49) | 6.34 |
| 50mM NaCl | 47.02 (+/-0.91) | 6.15 |



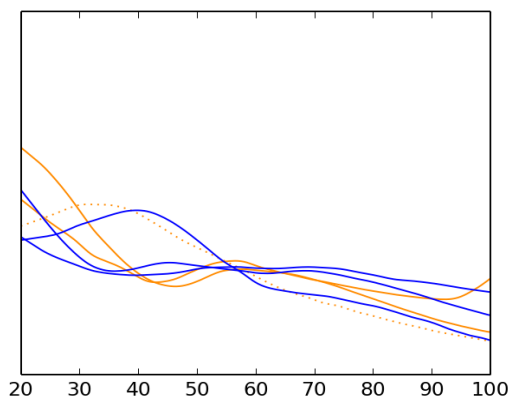
ADA (6.5)

| Grouped by | Tm | Adjusted pH at Tm |
|------------|------------------|-------------------|
| 200mM NaCl | 33.45 (+/-13.68) | 6.45 |
| 50mM NaCl | 49.61 (+/-0.76) | 6.4 |



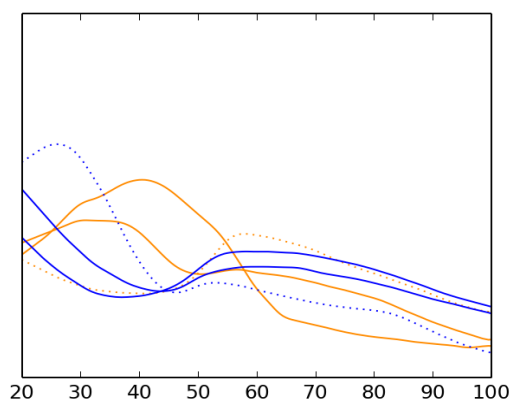
imidazole (7.0)

| Grouped by | Tm | Adjusted pH at Tm |
|------------|-----------------|-------------------|
| 200mM NaCl | 47.24 (+/-1.42) | 6.54 |
| 50mM NaCl | 45.75 (+/-1.23) | 6.56 |



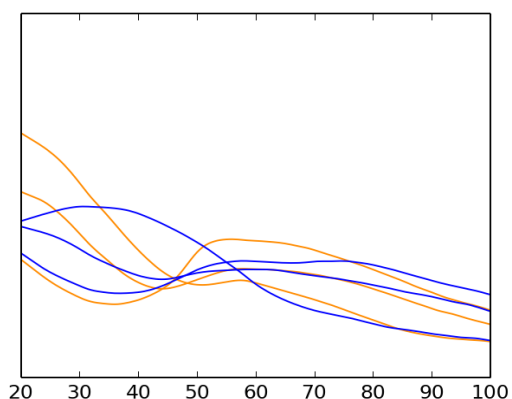
sodium MOPS (7.0)

| Grouped by | Tm | Adjusted pH at Tm |
|------------|-----------------|-------------------|
| 200mM NaCl | 49.74 (+/-1.86) | 6.75 |
| 50mM NaCl | 39.05 (+/-8.45) | 6.84 |



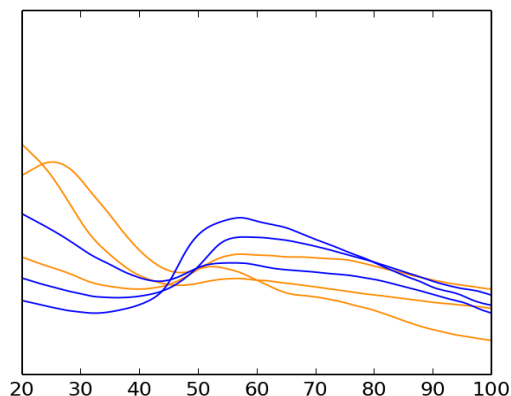
Na2H/KH2 phosphate (7.5)

| Grouped by | Tm | Adjusted pH at Tm |
|------------|-----------------|-------------------|
| 200mM NaCl | 26.92 (+/-0.11) | 7.54 |
| 50mM NaCl | 48.91 (+/-0.42) | 7.66 |



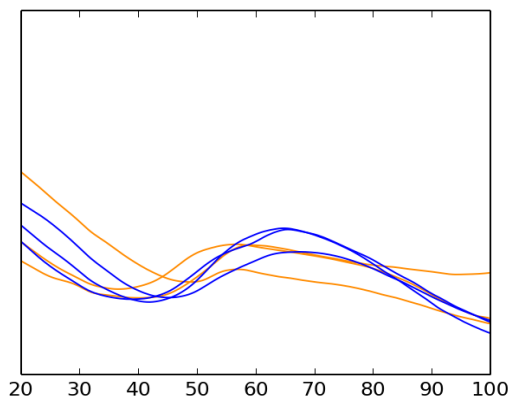
sodium HEPES (7.5)

| Grouped by | Tm | Adjusted pH at Tm |
|------------|------------------|-------------------|
| 200mM NaCl | 50.32 (+/-2.41) | 7.32 |
| 50mM NaCl | 38.69 (+/-12.52) | 7.39 |



tris chloride (8.0)

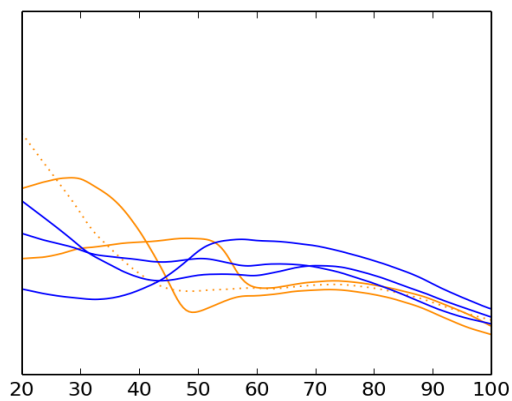
| Grouped by | Tm | Adjusted pH at Tm |
|------------|------------------|-------------------|
| 200mM NaCl | 39.92 (+/-13.74) | 7.6 |
| 50mM NaCl | 48.65 (+/-2.09) | 7.42 |



glycyl-glycine (8.5)

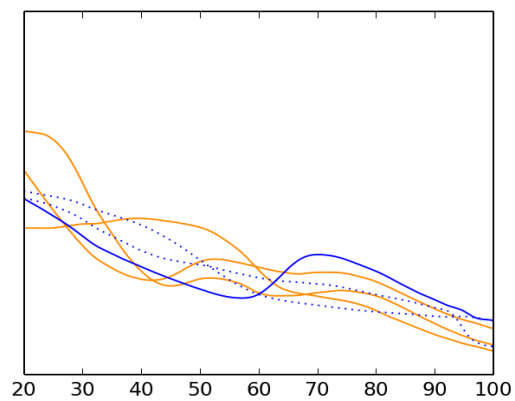
| Grouped by | Tm | Adjusted pH at Tm |
|------------|-----------------|-------------------|
| 200mM NaCl | 50.44 (+/-2.9) | 7.99 |
| 50mM NaCl | 51.01 (+/-0.95) | 7.98 |

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 | 40.21 (+/-12.67) | 8.76 |
| 50mM NaCl | 53.3 (+/-8.27) | 8.6 |



Salt Only ()

| Grouped by | Tm |
|------------|-----------------|
| 200mM NaCl | 42.92 (+/-6.45) |
| 50mM NaCl | 63.86 |