

18.12.14 Parkville

A17₁₋₈ wt vs mutants M1A
S2A
Y6A
CPMGs Y7A

141218-D13-A17-peptides cpmg 16ms

- 1 → A17₁₋₈ wt 40 μ M
- 2 → " + D13 10 μ M } binds like in previous exp!!
- 3 → A17₁₋₈ M1A 40 μ M
- 4 → " + D13 10 μ M } seems to bind OK
- 5 → A17₁₋₈ S2A 40 μ M
- 6 → " + D13 10 μ M } "
- 7 → A17₁₋₈ Y6A 40 μ M
- 8 → " + D13 10 μ M } reduced binding
- 9 → A17₁₋₈ Y7A 40 μ M
- 10 → " + D13 10 μ M } a bit less than wt

Scale will tell more fine numbers.

> png files of the spectra pairs saved.

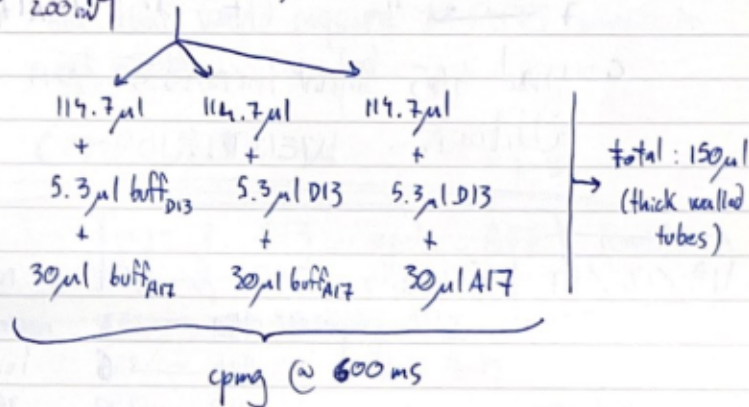
Also, test some of the D13 binders (fragm. screening) for competition w/ A17₁₋₈

→ deuterated (P) buff pH 7.5 (20mM NaH₂PO₄/Na₂HPO₄) + 250mM NaCl

→ 40ml of 216mg NaH₂PO₄
88mg Na₂HPO₄
584mg NaCl
D₂O

→ Prepare samples w/ 200 μ M compound (stock: 200mM)
1/2 3 μ M D13 (stock: 85 μ M)
1/2 100 μ M A17 (stock: 500 μ M)

• 1 μ l compound + 763.7 μ l (P) buff



• For the 1st round, we'll run compounds

- MIPS 000 400
- MIPS 000 455
- MIPS 000 568
- MIPS 000 901