**Supplementary file 2. Changes in enthalpy, entropy, free energy, and dissociation constants for nucleotide binding to PKA-CWT and PKA-CF100A.** All errors were calculated from triplicate measurements. Values for PKA-CWT are taken from Walker *et al.* 22

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | *K*d (μM) | ΔG (kcal/mol) | ΔH (kcal/mol) | -TΔS (kcal/mol) | σ |
| PKA-CWT | 83 ± 8 | -5.61 ± 0.06 | -3.6 ± 0.1 | -2.0 ± 0.1 | N/A |
| PKA-CF100A | 73 ± 2 | -5.7 ± 0.2 | -21 ± 5 | 7 ± 3 | N/A |