

**Figure 3 - Source Data 2: Experimentally determined excess number ( $N_i$ ), the  $\beta_+$  coefficient (the faction of associated cations), and the  $\beta_-$  coefficient (the faction of excluded anions) for 10 mM NaBr around canonical nucleosome**

	canonical nucleosome			
	$N_{Na^+}$	$N_{Br^-}$	total (experimental)	$q_{\text{molecule}} \text{ (theory)}^*$
	$119 \pm 1.7$	$-24 \pm 2.6$	$144 \pm 1.7$	-144
$\beta_+$	$0.826 \pm 0.020$			
$\beta_-$	$0.166 \pm 0.015$			

\* overall charge of the 147bp DNA is -292e and the overall charge of the histone core based on amino acid composition is +148e (Table S8)