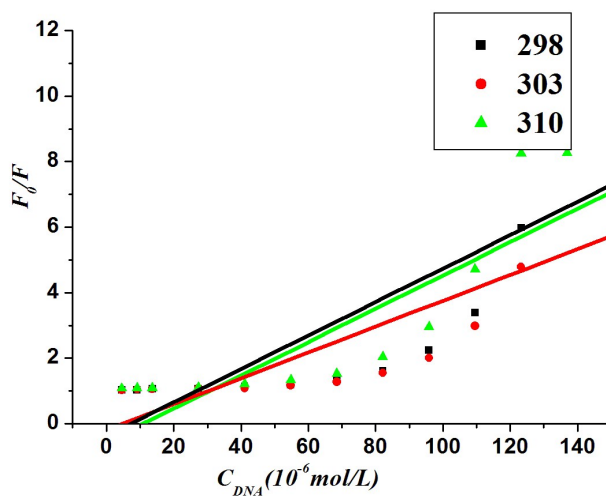
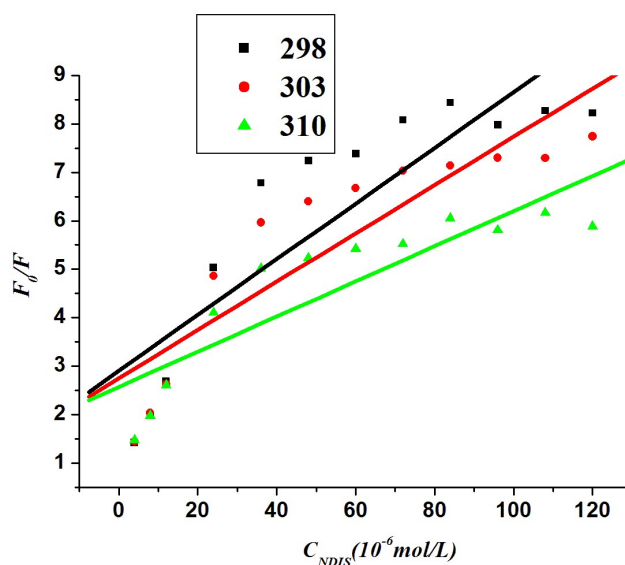


### Supporting Information



**Fig. 1.** Stern-Volmer plot of fluorescence quenching of NDIS directly binding to herring sperm DNA from 298K to 303 and 310K.



**Fig. 2.** Stern-Volmer plot of fluorescence quenching of herring sperm DNA-EB interacting with NDIS from 298K to 303 and 310K.

**Table 1** quenching constants of NDIS binding to herring sperm DNA

Compound	$T(K)$	$K_{sv}(L \cdot mol^{-1})$	$K_q(L \cdot mol^{-1})$	$R$
NDIS	298	$5.084 \times 10^4$	$5.084 \times 10^{12}$	0.7712
	303	$3.942 \times 10^4$	$3.942 \times 10^{12}$	0.7755
	310	$5.106 \times 10^4$	$5.106 \times 10^{12}$	0.8611

**Table 2** Quenching constants of NDIS displacement EB from herring sperm DNA-EB complex

Compound	$T(K)$	$K_{sv}(L \cdot mol^{-1})$	$K_q(L \cdot mol^{-1})$	$R$
NDIS	298	$5.755 \times 10^4$	$5.755 \times 10^{12}$	0.8573
	303	$4.983 \times 10^4$	$4.983 \times 10^{12}$	0.8906
	310	$3.628 \times 10^4$	$3.628 \times 10^{12}$	0.8769