

**Supplementary Table 1. Various binding constants at 298 K for indomethacin-DNA interaction in steady state fluorescence**

| T (K) | $K_{sv}$ (L.mol <sup>-1</sup> ) | $K_q$ (L.mol <sup>-1</sup> s <sup>-1</sup> ) | R     | S.D.  | K (mol <sup>-1</sup> ) | n    | R     | S.D.  |
|-------|---------------------------------|----------------------------------------------|-------|-------|------------------------|------|-------|-------|
| 298   | $1.1 \times 10^3$               | $1.1 \times 10^{11}$                         | 0.999 | 0.014 | $5.5 \times 10^3$      | 1.04 | 0.995 | 0.117 |

R is correlation coefficient and S.D. is standard deviation.

**Supplementary Table 2. Parameters obtained from ITC for indomethacin-Ct-DNA interaction.**

| pH  | Temp (K) | $K_b$ ( $\times 10^4$ M <sup>-1</sup> ) | n     | $\Delta G$ (kcal mol <sup>-1</sup> ) | $\Delta H$ | $\Delta S$ (cal/mol/deg) |
|-----|----------|-----------------------------------------|-------|--------------------------------------|------------|--------------------------|
| 7.2 | 298      | 1.39                                    | 0.800 | -5.88                                | -5.58      | -165                     |