ADDITIONS AND CORRECTIONS

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Tomáš Kubař and Marcus Elstner*: What Governs the Charge Transfer in DNA? The Role of DNA Conformation and Environment

Pages 8788−8798. The presented values of the electrostatic potential (ESP) are a factor of 207 too small throughout the paper due to an incorrect value of a multiplicative constant used in the calculations. Nevertheless, all comparisons, correlations, and conclusions remain untouched.

Selected concerned statements: Fluctuations of 1 V in the ESP translate into fluctuations of 0.9 eV in the site energy. The mean values of the ESP measured in the simulations fall in the range of 0−0.4 V in all cases, with the standard deviation of about 0.4 V. (p 8791).

Further, Figures 2, 5, 6, 8, and 10 were affected by the error; the correct version of the correlation diagram (Figure 2) is reprinted, as well as the corrected Table 4.

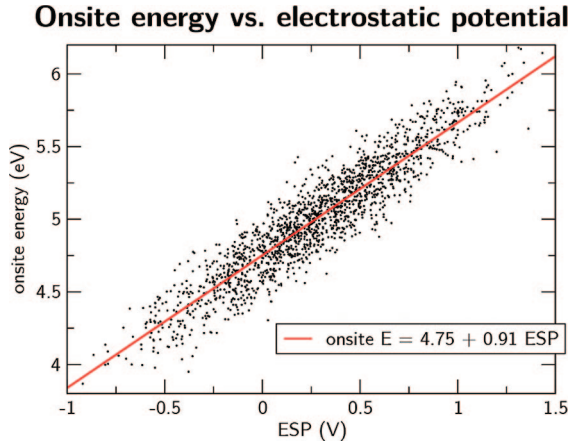

Figure 2. Correlation of the onsite energy of a guanine in the poly(G) sequence with the electrostatic potential at that site.

TABLE 4: Electrostatic Potential and Its Components (V) at a Guanine in the Poly(G) Sequence on a Long Time Scale

molecules	ESP (V)
DNA	−23.1 ± 0.4
water	+5.9 ± 1.2
Na^+	+17.4 ± 1.3
Na^+ + water	+23.4 ± 0.5
total	+0.3 ± 0.4

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