Corrections

Nelson, Philip. 1998. *Biophys. J.* 74:2501–2503.

Two references were omitted from the list of References:

Bouchiat, C., and M. Mezard. 1998. Elasticity model of a supercoiled DNA molecule. *Phys. Rev. Lett.* 80:1556–1559.
Moroz, J.-D., and P. Nelson. 1997. Torsional directed walks, entropic elesticity, and DNA twist stiffness. *Proc. Natl. Acad. Sci. USA.* 94:14418–14422.

Gross, Eitan, and Ulrich Hopfer. 1998. *Biophys. J.* 75:810–824.

We discovered that rate constants had been erroneously transcribed for three King-Altman terms in Eqs. A3, A5, and A6 during the derivation of the equation. Since these terms are part of the equation that was used to fit data in Table 2, the numerical values of the fitted rate constants have changed. The correct terms and corrected Table 2 are given below.

TABLE 2 Fitted parameters for the ordered model F-L

Parameter	Initial value	Final value	Limits
$z\delta_z$	1.0	1.5	$-5 \le z\delta_z \le 5$
α'	0.5	0.00	$0 \le \alpha' \le 1$
α''	0.5	0.00	$0 \le \alpha'' \le 1$
β'	0.5	0.11	$0 \le \beta' \le 1$
β''	0.5	0.00	$0 \le \beta'' \le 1$
f_1^0	10^4 M^{-1} s^{-1}	$5.9 \cdot 10^2$ M^{-1} s^{-1}	$0 \le f_1^0 \le 10^9$ s
b_1^0	10^4 M^{-1} s^{-1}	40 s	$0 \le b_1^0 \le 10^9$ s
f_2^0	10^4 M^{-3} s^{-1}	$2.5 \cdot 10^5$ M^{-3} s^{-1}	$0 \le f_2^0 \le 10^9$ s
b_2^0	10^4 s^{-1}	$3.7 \cdot 10^3$ s^{-1}	$0 \le b_2^0 \le 10^9$ s
f_3^0	1.0 s^{-1}	1.510^3 s^{-1}	$0 \le f_3^0 \le 10^9$ s
b_3^0	1.0 s^{-1}	$2.4 \cdot 10^3$ s^{-1}	$0 \le b_3^0 \le 10^9$ s
f_4^0	10^4 s^{-1}	$4.6 \cdot 10^3$ s^{-1}	$0 \le f_4^0 \le 10^9$ s
b_4^0	10^4 M^{-3} s^{-1}	$5.3 \cdot 10^5$ M^{-3} s^{-1}	$0 \le b_4^0 \le 10^9$ s
f_5^0	10^4 s^{-1}	0.2 s^{-1}	$0 \le f_5^0 \le 10^9$ s
b_5^0	10^4 M^{-1} s^{-1}	35 M^{-1} s^{-1}	$0 \le b_5^0 \le 10^9$ s
f_6^0	1.0 s^{-1}	0.2 s^{-1}	$0 \le f_6^0 \le 10^9$ s
b_6^0		$5.7 \cdot 10^{-3}$ s^{-1}	$0 \le b_6^0 \le 10^9$ s
C_T	2 pmol/cm^2		
n	1		
m	3		

All four ordered-binding schemes gave similar parameter values ($P\chi_n^2 > 0.95$). All parameters were identifiable over the range of voltage tested.

The errors either do not affect or only slightly modify the major conclusions of the kinetic analysis, namely, that the unloaded transporter carries a positive charge, bicarbonate binding senses part of the electrical field (11%), the binding of Na^+ is voltage-independent, and the translocation rate constants of the unloaded form of the transporter are several orders of magnitude lower than that of the loaded form. The computer model for the Na-HCO_3 cotransporter can be downloaded from: http://physiology.cwru.edu/~hopfer/cotrans.mod.

On page 822:

Eq. A3: First term of ΣC_2 should be $f_1 b_2 b_3 b_4 f_6$
Eq. A5: First term of ΣC_4 should be $f_1 f_2 f_3 b_4 f_6$
Eq. A6: Fourth term of ΣC_5 should be $b_6 b_1 f_3 f_4 b_5$

Kucik, Dennis F., Elliot L. Elson, and Michael P. Sheetz. 1999. *Biophys. J.* 76:314–322.

The affiliation of author D. F. Kucik was in error. The correct affiliation should read: Birmingham Veterans Affairs Medical Center, Birmingham, AL, and Department of Pathology, University of Alabama at Birmingham, AL 35294.