

## A continuum method for determining membrane protein insertion energies and the problem of charged residues

Seungho Choe, Karen A. Hecht, and Michael Grabe

Volume 131, No. 6, June 2, 2008. Pages 563–573.

In the original article, the references in Table I were set incorrectly. The correct Table I is shown below.

TABLE I  
*Parameter Values Used in All Calculations*

Parameter	Symbol	Value	Reference
Water dielectric	$\epsilon_w$	80	Sitkoff et al., 1994
Protein dielectric	$\epsilon_p$	2	Sitkoff et al., 1994
Membrane core dielectric	$\epsilon_{hc}$	2	Stern et al., 2003
Lipid head group dielectric	$\epsilon_{hg}$	80	Stern et al., 2003
Equilibrium membrane width	$L_0$	42 Å	Huang et al., 1986
Head group width	$L_{hg}$	8 Å	Helm et al., 1987
Ion screening concentration	$I_c$	100 mM	Grabe et al., 2004
Bulk interfacial surface tension	$\alpha$	$3 \times 10^{-13}$ N/Å	Nielsen et al., 1998
Area compression-expansion modulus	$K_a$	$1.425 \times 10^{-11}$ N/Å	Nielsen et al., 1998
Bending or splay-distortion modulus	$K_c$	$2.85 \times 10^{-10}$ NÅ	Nielsen et al., 1998
$\alpha/K_c$	$\gamma$	$1.05 \times 10^{-3}$ Å <sup>-2</sup>	Nielsen et al., 1998
$2 K_a/(L_0^2 \cdot K_c)$	$\beta$	$5.66 \times 10^{-5}$ Å <sup>-4</sup>	Nielsen et al., 1998
SASA prefactor for nonpolar energy	a	0.028 kcal/mol·Å <sup>2</sup>	Sitkoff et al., 1996
Constant term for nonpolar energy	b	-1.7 kcal/mol	Sitkoff et al., 1996