

ning along one face of the sheet. At this stage, we feel it is prudent to propose that there are two α -helices in the structure, rather than the three originally proposed, as there are not enough helical constraints observable for residues 47–52. Thus, this makes the topology virtually identical to that more recently reported on the basis of 2D NMR analysis of *B. subtilis* HPr (Wittekind et al., 1990) and *S. aureus* HPr (H. R. Kalbitzer, personal communication). With respect to the differences between tertiary structures of *E. coli* HPr derived from 2D NMR and X-ray diffraction, an assessment by epitope mapping indicates that the structure derived from NMR data is the physiologically relevant one (Sharma et al., 1991). A more detailed discussion of the structure must await a well-defined structure, obtained using many more distance constraints interpretable only from higher-dimensioned NMR spectra.

ACKNOWLEDGMENTS

Thanks go to Dr. Tom Pratum for providing the linear prediction program. We thank Joan Smallshaw for investigating the growth conditions for ^{15}N -HPr and Alice Leung for her protein purification.

SUPPLEMENTARY MATERIAL AVAILABLE

Two tables, listing upper distance limits for distance constraints and angle ranges used for dihedral constraints (7 pages). Ordering information is given on any current masthead page.

REFERENCES

- Bax, A., & Davis, D. G. (1985) *J. Magn. Reson.* 65, 355–360.
- Bodenhausen, G., & Ruben, D. J. (1980) *Chem. Phys. Lett.* 69, 185–189.
- Burg, J. P. (1967) Proceedings of the 37th Meeting of the Society of Exploration Geophysicists, October 31, 1967.
- Bystrov, V. F. (1976) *Prog. Nucl. Magn. Reson. Spectrosc.* 10, 41–81.
- Cavanaugh, J., Chazin, W. J., & Rance, M. (1990) *J. Magn. Reson.* 87, 110–131.
- Driscoll, P. C., Gronenborn, A. M., Wingfield, P. T., & Clore, G. M. (1990) *Biochemistry* 29, 4668–4682.
- Dyson, H. J., Holmgren, A., & Wright, P. E. (1989) *Biochemistry* 28, 7074–7087.
- El-Kabbani, O. A. L., Waygood, E. B., & Delbaere, L. T. J. (1987) *J. Biol. Chem.* 262, 12926–12929.
- Griesinger, C., Otting, G., Wüthrich, K., & Ernst, R. R. (1988) *J. Am. Chem. Soc.* 110, 7870–7872.
- Gronenborn, A. M., Bax, A., Wingfield, P. T., & Clore, G. M. (1989) *FEBS Lett.* 243, 93–98.
- Güntert, P., Braun, W., & Wüthrich, K. (1991) *J. Mol. Biol.* 217, 517–530.
- Kay, L. E., & Bax, A. (1990) *J. Magn. Reson.* 86, 110–126.
- Klevit, R. E., & Drobny, G. P. (1986) *Biochemistry* 25, 7770–7773.
- Klevit, R. E., & Waygood, E. B. (1986) *Biochemistry* 25, 7774–7781.
- Marion, D., Ikura, M., Tschudin, R., & Bax, A. (1989) *J. Magn. Reson.* 85, 397–399.
- Muller, N., Ernst, R. R., & Wüthrich, K. (1986) *J. Am. Chem. Soc.* 108, 6482–6492.
- Olejniczak, E. T., & Eaton, H. L. (1990) *J. Magn. Reson.* 87, 628–632.
- Remerowski, M. L., Glaser, S. J., & Drobny, G. P. (1989) *Mol. Phys.* 68, 1191–1218.
- Shaka, A. J., Barker, B. P., & Freeman, R. (1985) *J. Magn. Reson.* 64, 547–552.
- Sharma, S., Georges, F., Delbaere, L. T. J., Lee, J. S., Klevit, R. E., & Waygood, E. B. (1991) *Proc. Natl. Acad. Sci. U.S.A.* 88, 4877–4881.
- Waygood, E. B., Sharma, S., Bhanot, P., El-Kabbani, O. A. L., Delbaere, L. T. J., Georges, F., Wittekind, M. G., & Klevit, R. E. (1989) *FEMS Microbiol. Rev.* 63, 43–52.
- Wittekind, M. G., Reizer, J., & Klevit, R. E. (1990) *Biochemistry* 29, 7191–7200.

CORRECTION

Functional Modulation of the Isolated Glycoprotein Ib Binding Domain of von Willebrand Factor Expressed in *Escherichia coli*, by Mitsuhiko Sugimoto, George Ricca, Michael E. Hrinda, Alain B. Schreiber, George H. Searfoss, Enrica Bottini, and Zaverio M. Ruggeri*, Volume 30, Number 21, May 28, 1991, pages 5202–5209.

Page 5205. In column 2, line 6, between 30 and 50 μM should read between 30 and 50 nM.