

Supporting information for Stanger *et al.* (October 2, 2001) *Proc. Natl. Acad. Sci. USA*, 10.1073/pnas.211536998.

**Table 6.** Proton resonances (ppm) for  $^L\mathbf{P}$  in 9:1 H<sub>2</sub>O/D<sub>2</sub>O (4°C)

Residue	N-H	$\alpha$ H	$\beta$ H	Others
<b>Arg</b>	—	4.00	1.87	$\gamma$ CH <sub>2</sub> 1.57 $\delta$ CH <sub>2</sub> 3.18 $\epsilon$ NH 7.24 NH <sub>2</sub> <sup>+</sup> 6.93, 6.56
<b>Tyr</b>	8.86	4.60	3.00, 2.91	2,6 H 7.09 3,5 H 6.80
<b>Val</b>	8.11	3.94	1.86	$\gamma$ CH <sub>3</sub> 0.84
<b>Glu</b>	8.42	4.18	1.94	$\gamma$ CH <sub>2</sub> 2.24
<b>Val</b>	8.46	4.38	2.05	$\gamma$ CH <sub>3</sub> 0.94
<b>Pro</b>	—	4.39	2.20, 1.97	$\gamma$ CH <sub>2</sub> 2.04 $\delta$ CH <sub>2</sub> 3.86, 3.68
<b>Gly</b>	8.60	3.94	—	—
<b>Orn</b>	8.32	4.34	1.83	$\gamma$ CH <sub>2</sub> 1.72 $\delta$ CH <sub>2</sub> 3.00 $\delta$ NH <sub>3</sub> <sup>+</sup> 7.67
<b>Lys</b>	8.52	4.29	1.73	$\gamma$ CH <sub>2</sub> 1.40 $\delta$ CH <sub>2</sub> 1.67 $\epsilon$ CH <sub>2</sub> 2.97 $\epsilon$ NH <sub>3</sub> <sup>+</sup> 7.59
<b>Ile</b>	8.43	4.11	1.82	$\gamma$ CH <sub>3</sub> 0.85 $\gamma$ CH <sub>2</sub> 1.47, 1.17 $\delta$ CH <sub>3</sub> 0.88
<b>Leu</b>	8.51	4.39	1.63, 1.56	$\gamma$ CH 1.63 $\delta$ CH <sub>3</sub> 0.91, 0.84
<b>Gln</b>	8.48	4.27	2.07, 1.97	$\gamma$ CH <sub>2</sub> 2.25 $\delta$ NH 7.63, 6.96
<b>-NH<sub>2</sub></b>	7.70, 7.20			