

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

Table 9. Proton resonances (ppm) for $^D\text{P-ST}$ in 9:1 $\text{H}_2\text{O}/\text{D}_2\text{O}$ (4°C)

Residue	N-H	α H	β H	Others
Ser	—	4.22	4.00, 3.96	—
Thr	8.79	4.52	4.00	γ CH ₃ 1.08
Arg	8.58	4.46	1.77	γ CH ₂ 1.48 δ CH ₂ 3.12 ϵ NH 7.14 NH ₂ ⁺ 6.91, 6.48
Tyr	8.58	5.11	2.75	2,6 H 6.91 3,5 H 6.77
Val	8.96	4.36	1.99	γ CH ₃ 0.86, 0.83
Glu	8.64	4.93	1.95, 1.87	γ CH ₂ 2.24, 2.21
Val	8.96	4.60	1.96	γ CH ₃ 0.93, 0.91
D Pro	—	4.36	2.36, 1.98	γ CH ₂ 2.10, 2.05 δ CH ₂ 3.86
Gly	8.71	4.00, 3.75	—	—
Orn	7.94	4.59	1.80	γ CH ₂ 1.68 δ CH ₂ 2.99 δ NH ₃ ⁺ 7.68
Lys	8.59	4.58	1.62, 1.53	γ CH ₂ 1.11 δ CH ₂ 1.33 ϵ CH ₂ 2.58 ϵ NH ₃ ⁺ 7.43
Ile	9.13	4.49	1.90	γ CH ₃ 0.87 γ CH ₂ 1.37, 1.21 δ CH ₃ 0.79
Leu	8.68	4.15	1.54, 1.45	γ CH 1.38 δ CH ₃ 0.66, 0.61
Gln	8.80	4.47	2.03, 1.82	γ CH ₂ 2.26 δ NH 7.44, 7.01
Thr	8.55	4.50	4.21	γ CH ₃ 1.17

Ser	8.43	4.43	3.87, 3.83	—
-NH₂	7.75, 7.27			