

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

Table 10. Proton resonances (ppm) for $^D\text{P-ST}_2$ in 9:1 $\text{H}_2\text{O}/\text{D}_2\text{O}$ (4°C)

Residue	N-H	α H	β H	Others
Ser	—	4.24	4.00	—
Thr	8.82	4.52	4.19	γ CH ₃ 1.21
Ser	8.63	4.57	3.84	—
Thr	8.35	4.46	4.04	γ CH ₃ 1.07
Arg	8.47	4.45	1.75, 1.67	γ CH ₂ 1.48 δ CH ₂ 3.11 ϵ NH 7.14 NH ₂ ⁺ 6.91, 6.49
Tyr	8.52	5.11	2.74	2,6 H 6.91 3,5 H 6.76
Val	8.97	4.36	1.99	γ CH ₃ 0.86, 0.81
Glu	8.63	4.94	1.95, 1.85	γ CH ₂ 2.22
Val	8.95	4.58	1.96	γ CH ₃ 0.90
D Pro	—	4.35	2.36, 1.98	γ CH ₂ 2.11, 2.04 δ CH ₂ 3.85
Gly	8.70	4.00, 3.75	—	—
Orn	7.93	4.58	1.79	γ CH ₂ 1.67 δ CH ₂ 2.98 δ NH ₃ ⁺ 7.67
Lys	8.59	4.59	1.61, 1.53	γ CH ₂ 1.10 δ CH ₂ 1.30 ϵ CH ₂ 2.55 ϵ NH ₃ ⁺ 7.41
Ile	9.12	4.48	1.88	γ CH ₃ 0.86 γ CH ₂ 1.38, 1.17 δ CH ₃ 0.78
Leu	8.66	4.15	1.52, 1.44	γ CH 1.38 δ CH ₃ 0.64, 0.61
Gln	8.78	4.44	2.02, 1.82	γ CH ₂ 2.23

				δ NH 7.43, 7.01
Thr	8.51	4.50	4.19	γ CH ₃ 1.16
Ser	8.58	4.42	3.87, 3.84	—
Thr	8.45	4.46	4.28	γ CH ₃ 1.18
Ser	8.33	4.57	3.85	—
-NH₂	7.68, 7.26			