

Supporting information

Continuous-flow HP ^{129}Xe NMR spectra of AV, LS, VV, IA, IV and VI dipeptides in the 173-343 K temperature range

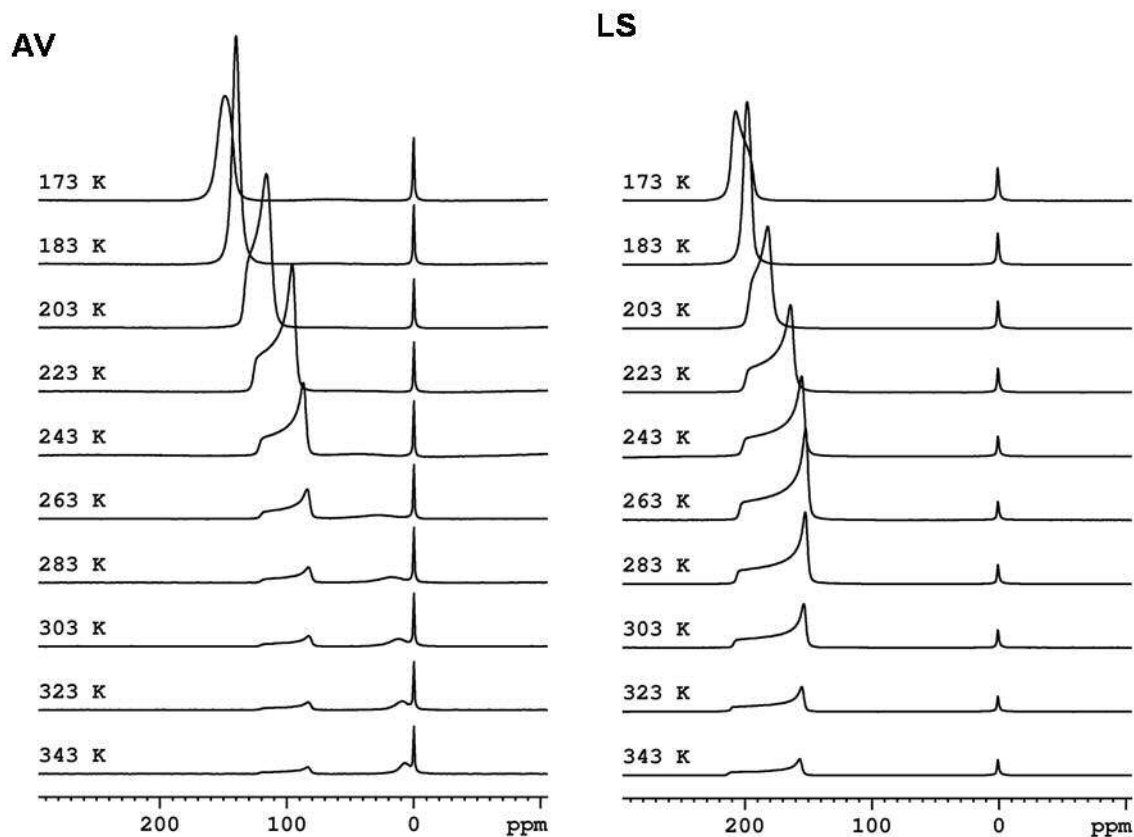


Figure 1S A: Continuous-flow HP ^{129}Xe NMR spectra of AV and LS dipeptides in the 173-343 K temperature range.

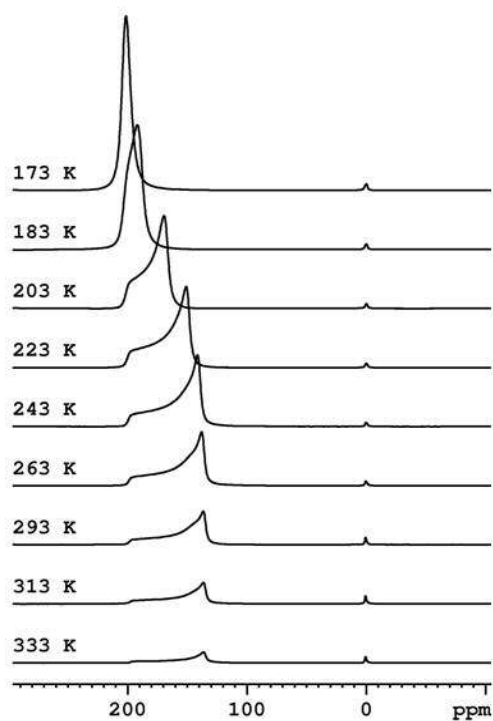
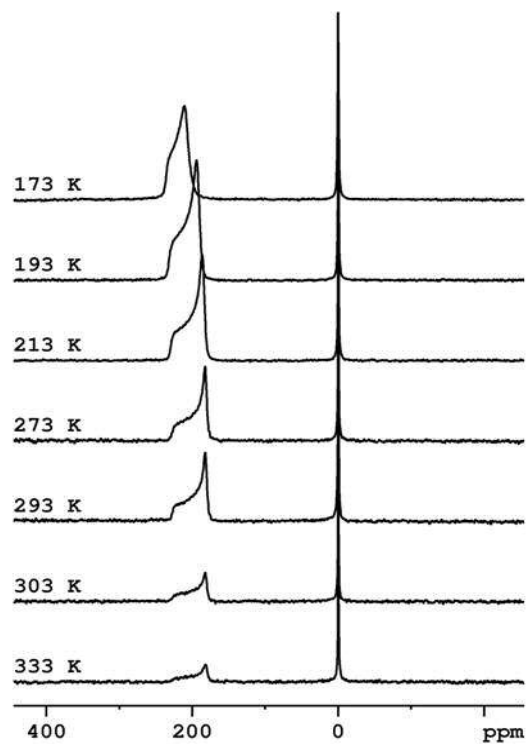
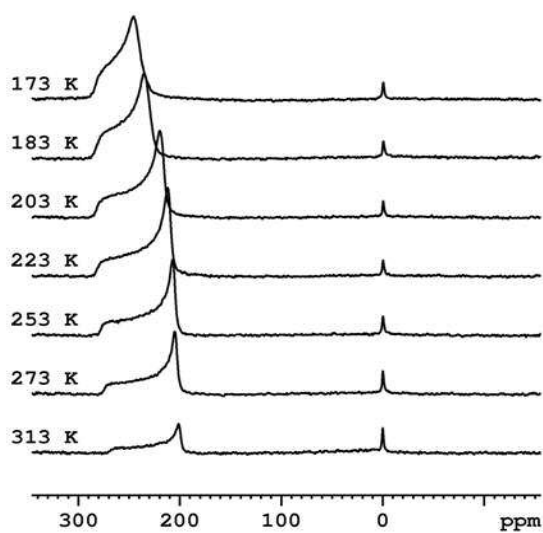
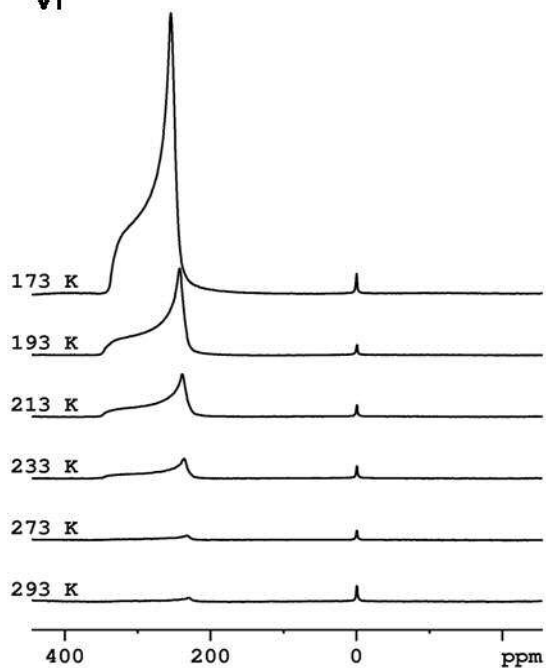
VV**IA****IV****VI**

Figure 1S B : Continuous-flow HP ^{129}Xe NMR spectra of VV, IA, IV and VI dipeptides in the 173-343 K temperature range

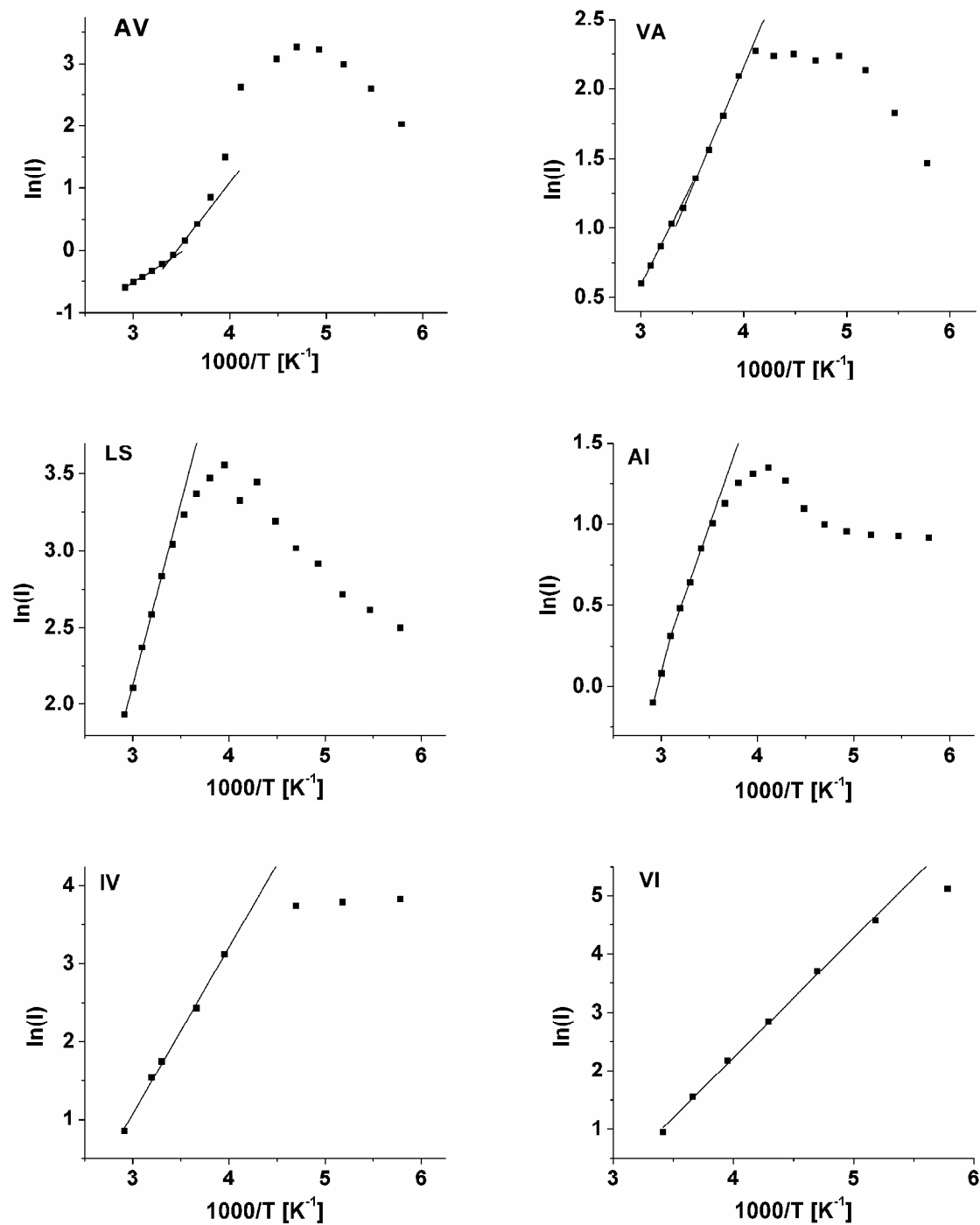


Figure 2S: Experimentally observed $\ln(I)$ – $1000/T$ dependences for AV, VA, LS, AI, IV and VI dipeptides and linear fits of the data in the high-temperature regions.

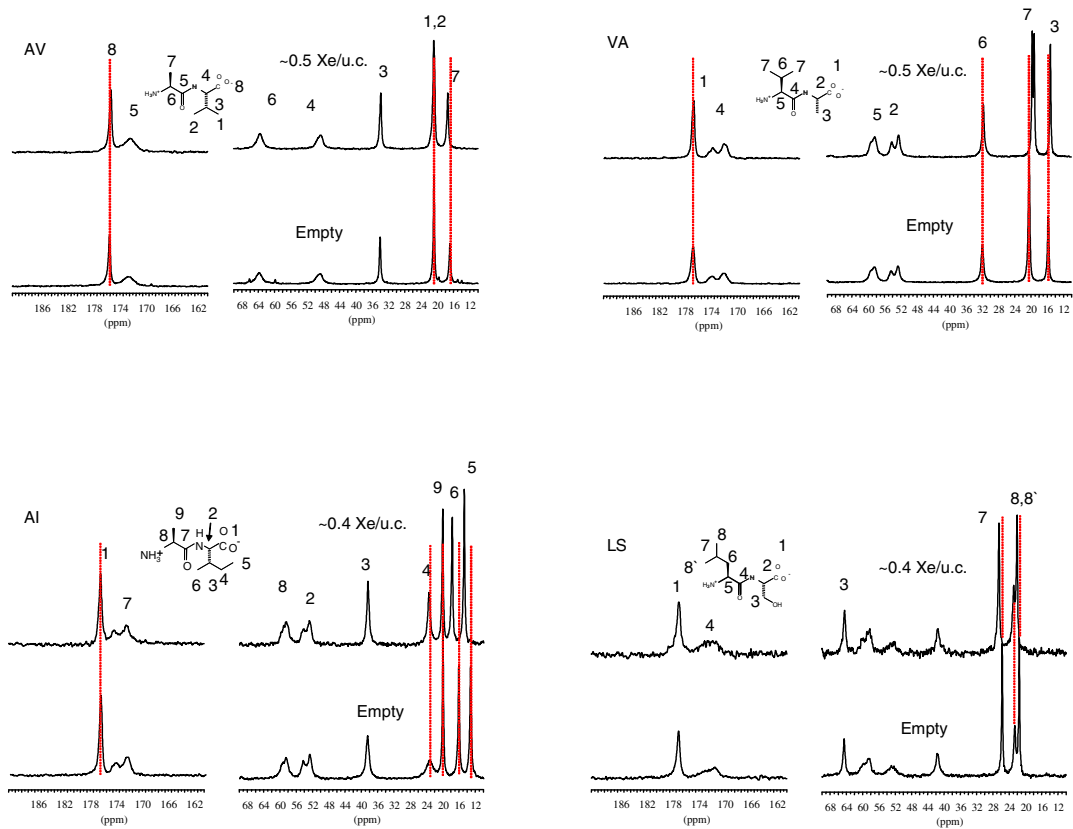


Figure 3S A : ^{13}C CP MAS spectra of empty and Xe-loaded porous dipeptides.

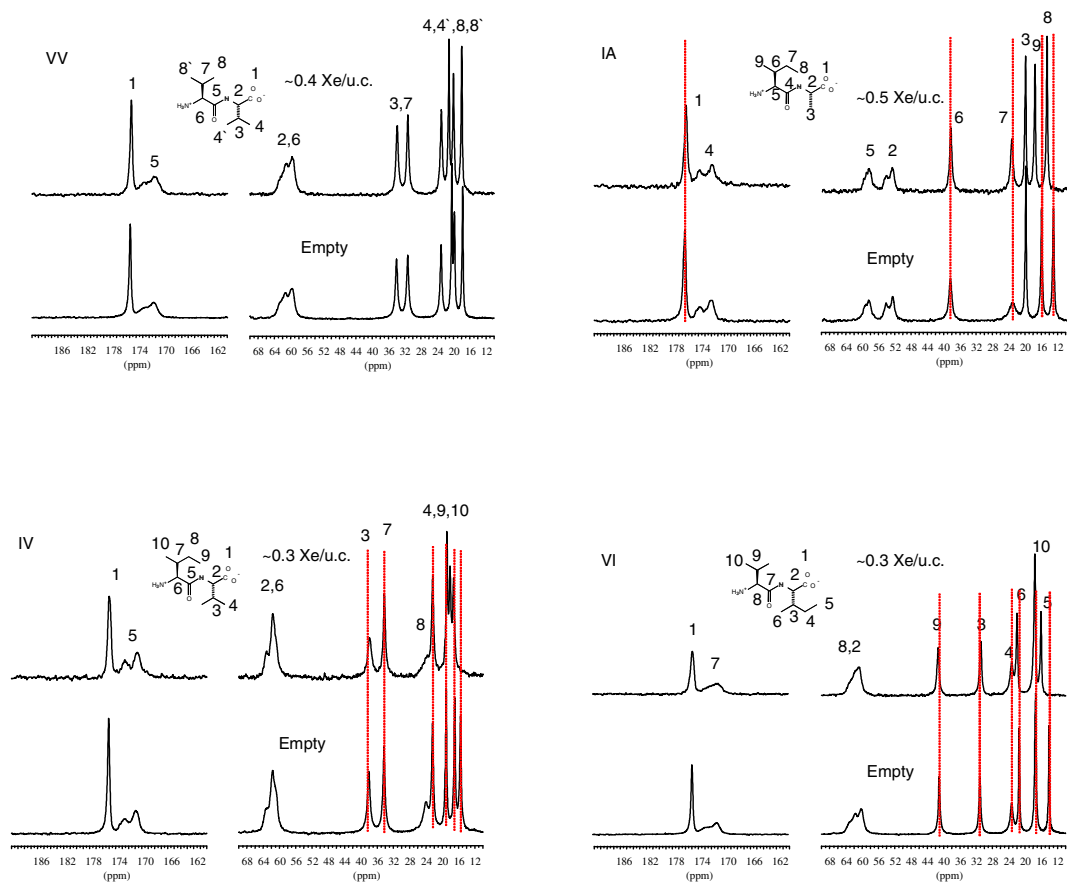


Figure 3S B : ^{13}C CP MAS spectra of empty and Xe-loaded porous dipeptides.

Table 1 S. Change in the ^{13}C chemical shift of CH_3 groups in porous dipeptides upon adsorption of Xe (Hz, SF=50.1 MHz)

	AV	VA	AI	LS	VV	IA	IV	VI
CH_3'	9	-39	-45	-39	-35	-3	10	-25
CH_3''	-3	-62	-48	-12	-10	-81	-56	-9
CH_3'''	-26	-27	-51	-27	-11	-78	-85	-98