

Supporting Information for *J. Am. Chem. Soc.*, **1989**, 111(1), 408-409, DOI: [10.1021/ja00183a082](https://doi.org/10.1021/ja00183a082)

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**408-409**

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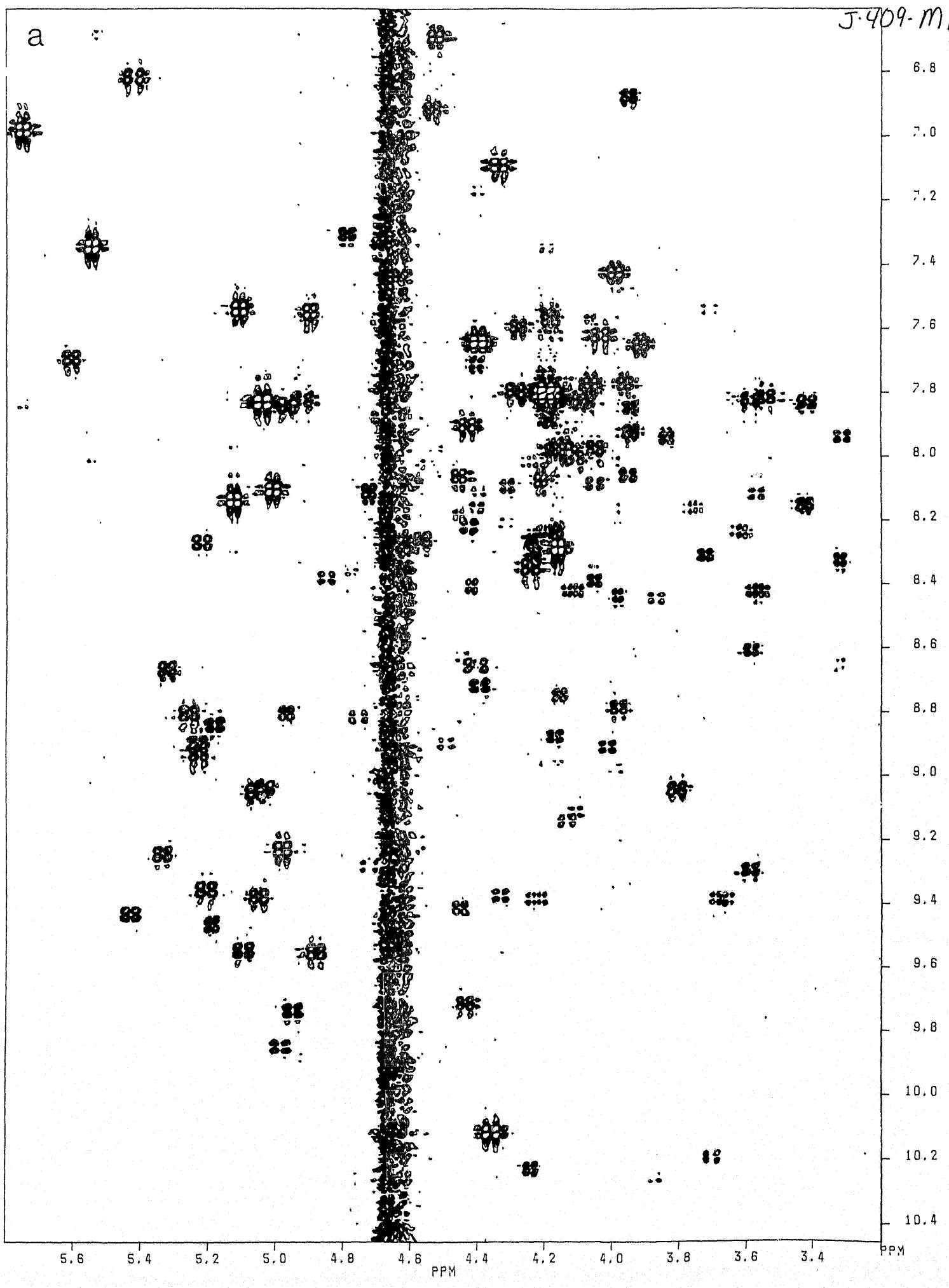
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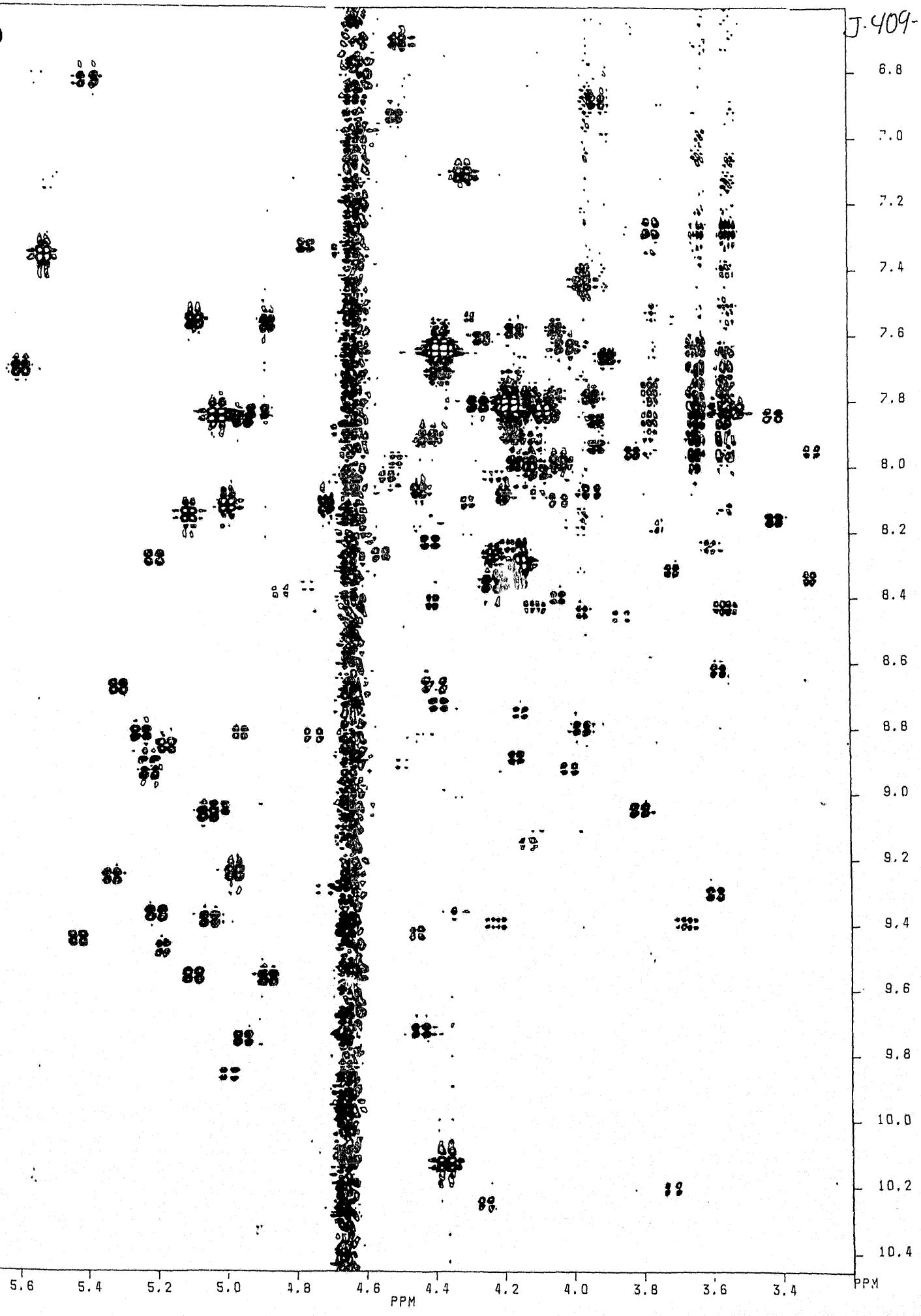
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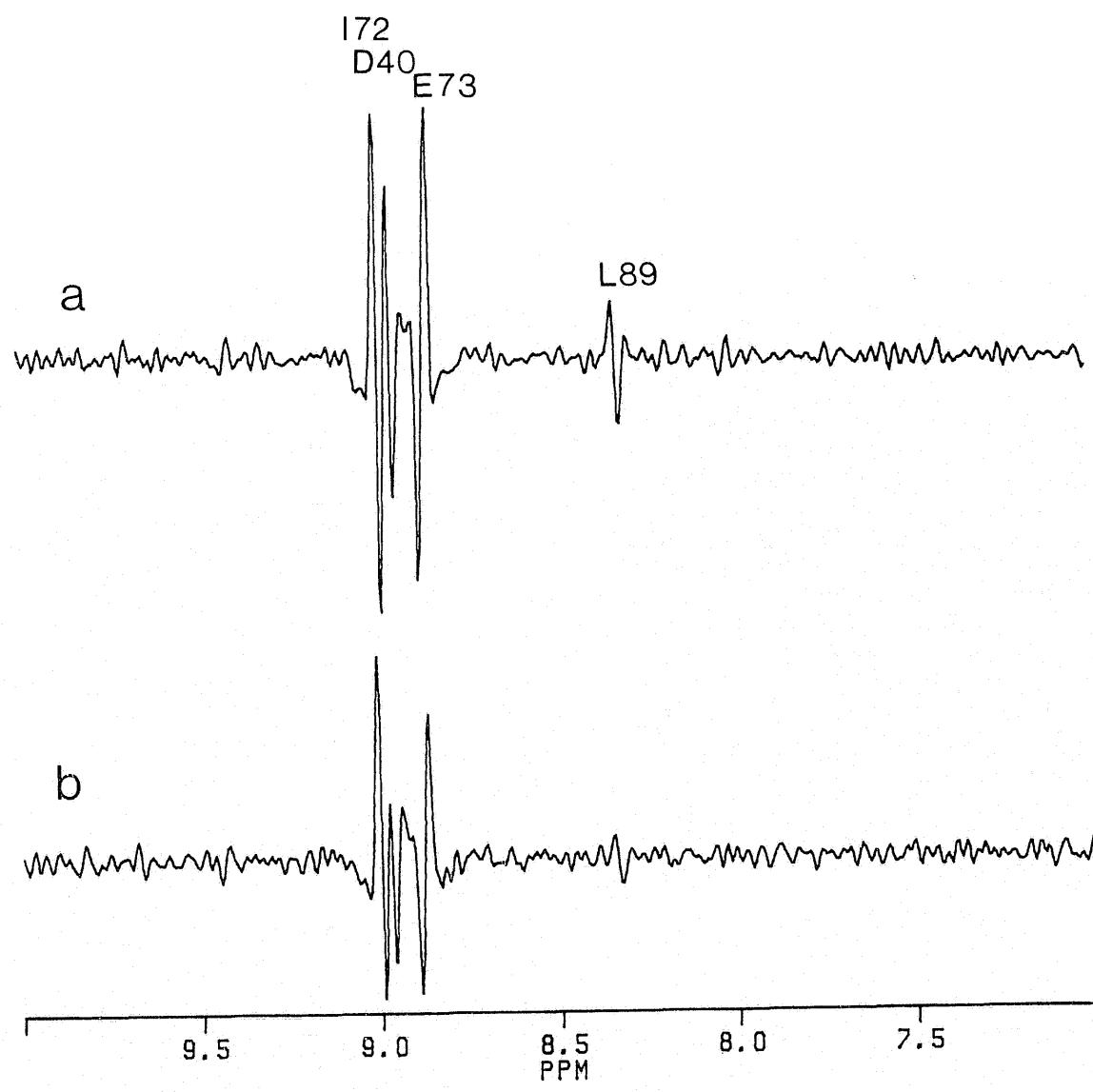
a



J.409-M2

b





Supplementary Figure 1. (a) Fingerprint region of staphylococcal nuclease, recorded with the PS COSY experiment and (b) recorded with the conventional COSY experiment. Experimental conditions are given in the manuscript and in the caption of Fig.2 of the manuscript. Adjustment of the high order shims is responsible for the narrower ridge of  $H_2O t_1$  noise in the regular COSY experiment.

Supplementary Figure 2. Cross sections parallel to the  $F_1$  axis taken at  $F_2=5.24$  ppm through the spectra of (a) the PS COSY spectrum and (b) the regular COSY spectrum.