

MARION

1515-1517

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Supplementary Material

Projection of the 3D spectrum on the F_2/F_3 plane, a F_1/F_3 slice taken at $F_2=121.8$ ppm and an identical region of the regular 2D NOESY spectrum.

Supplementary Figure 1. Summed projection of the 3D spectrum on the F_2/F_3 plane. Resonances folded in the ^{15}N dimension are marked "x". NOESY slices in the F_1/F_3 plane are taken at the positions indicated by the broken lines.

Supplementary Figure 2. A F_1/F_3 slice taken through the 3D spectrum at $F_2=121.8$ ppm, between the two slices shown in the main manuscript.

Supplementary Figure 3. Amide region of a conventional 500 MHz NOESY spectrum recorded with a 125 ms mixing time, recorded at 500 MHz. Acquisition times in the t_1 and t_2 dimensions were 53 and 68 ms, respectively and the total measuring time was 20 h. Cross peaks for A69NH are marked and can be compared with Fig.2a of the manuscript.

$F_2(^{15}\text{N})$

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130

120

110

11

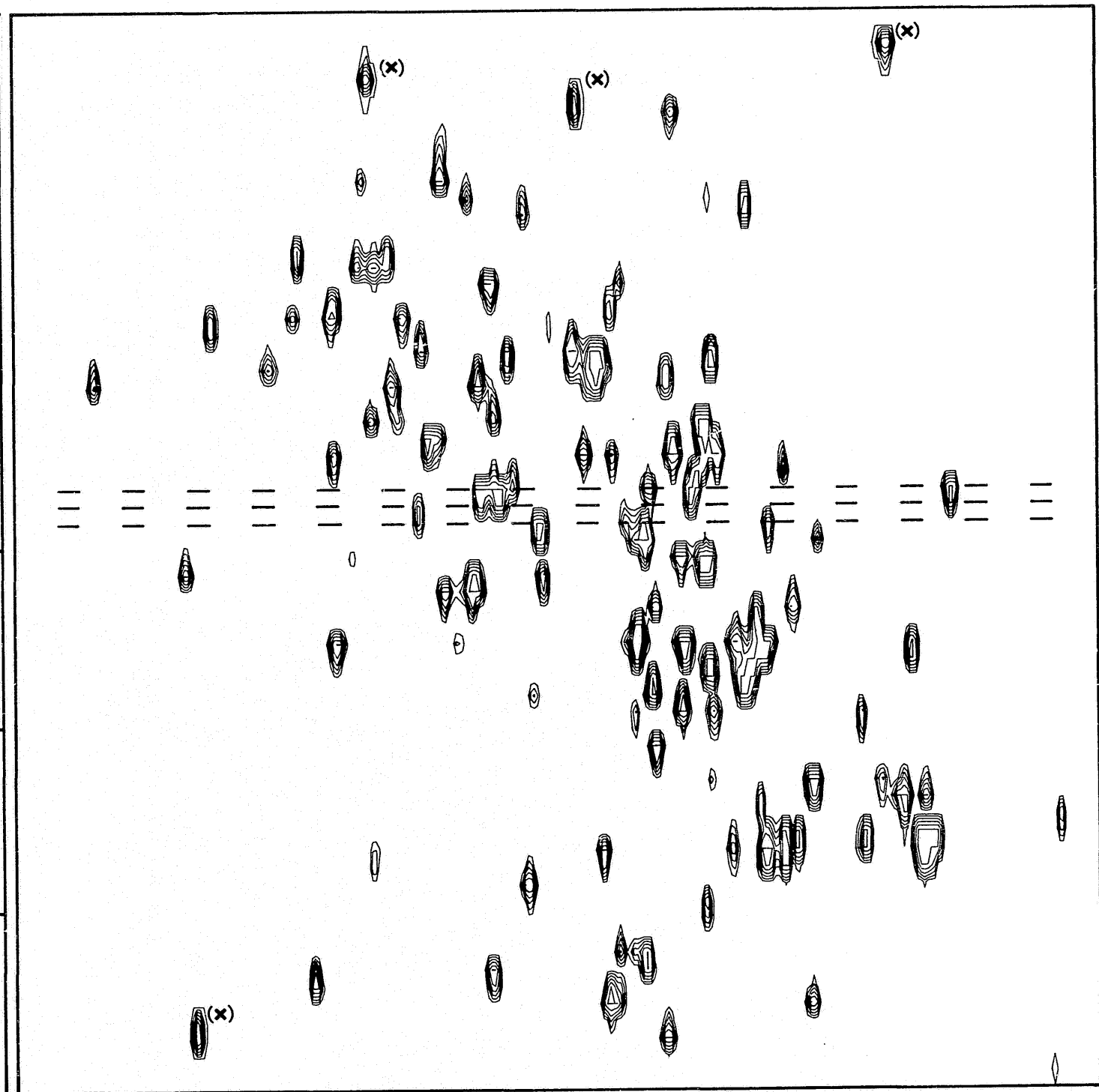
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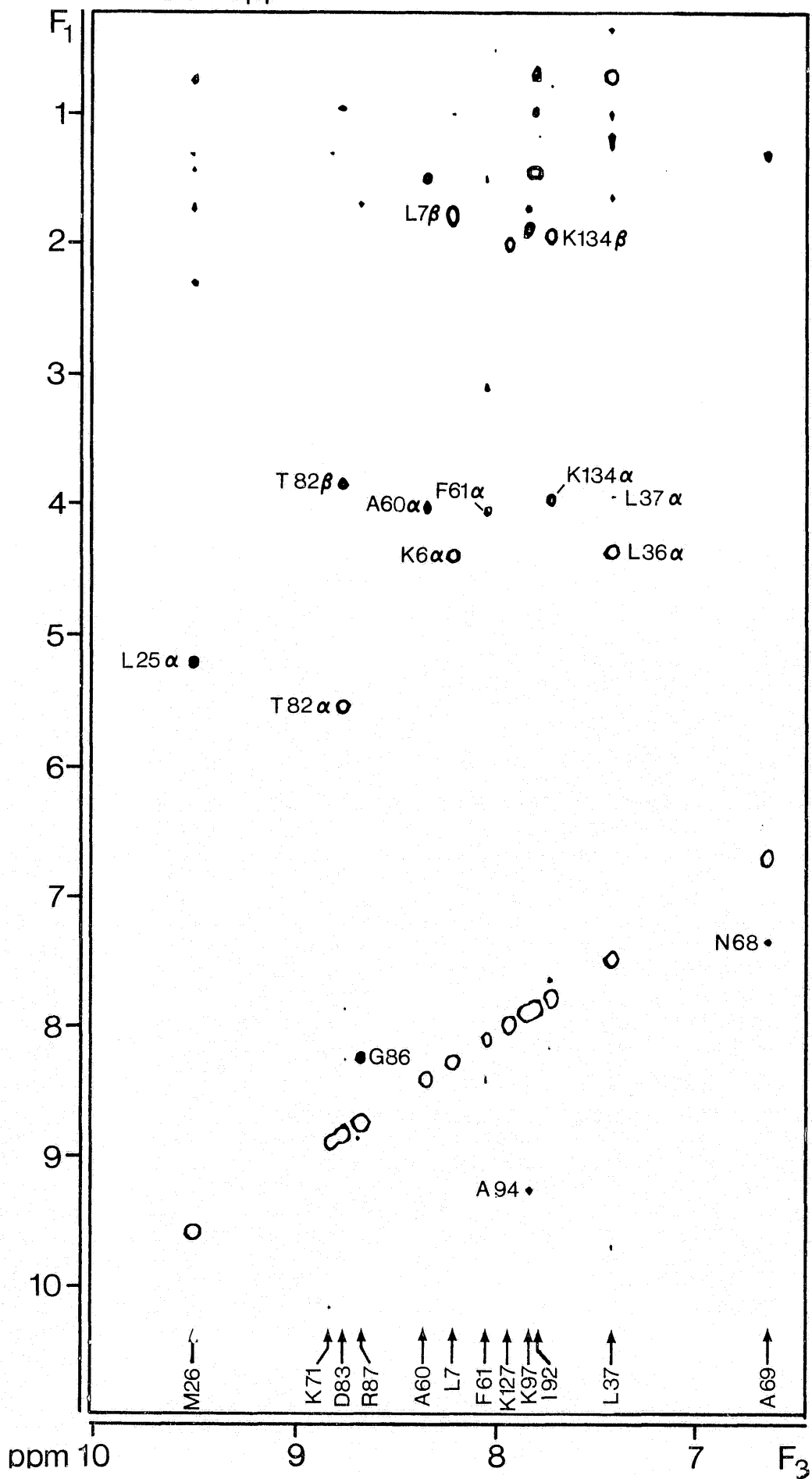
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$F_3(^1\text{H})$



$^{15}\text{N}=121.8\text{ppm}$

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