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Supporting Information

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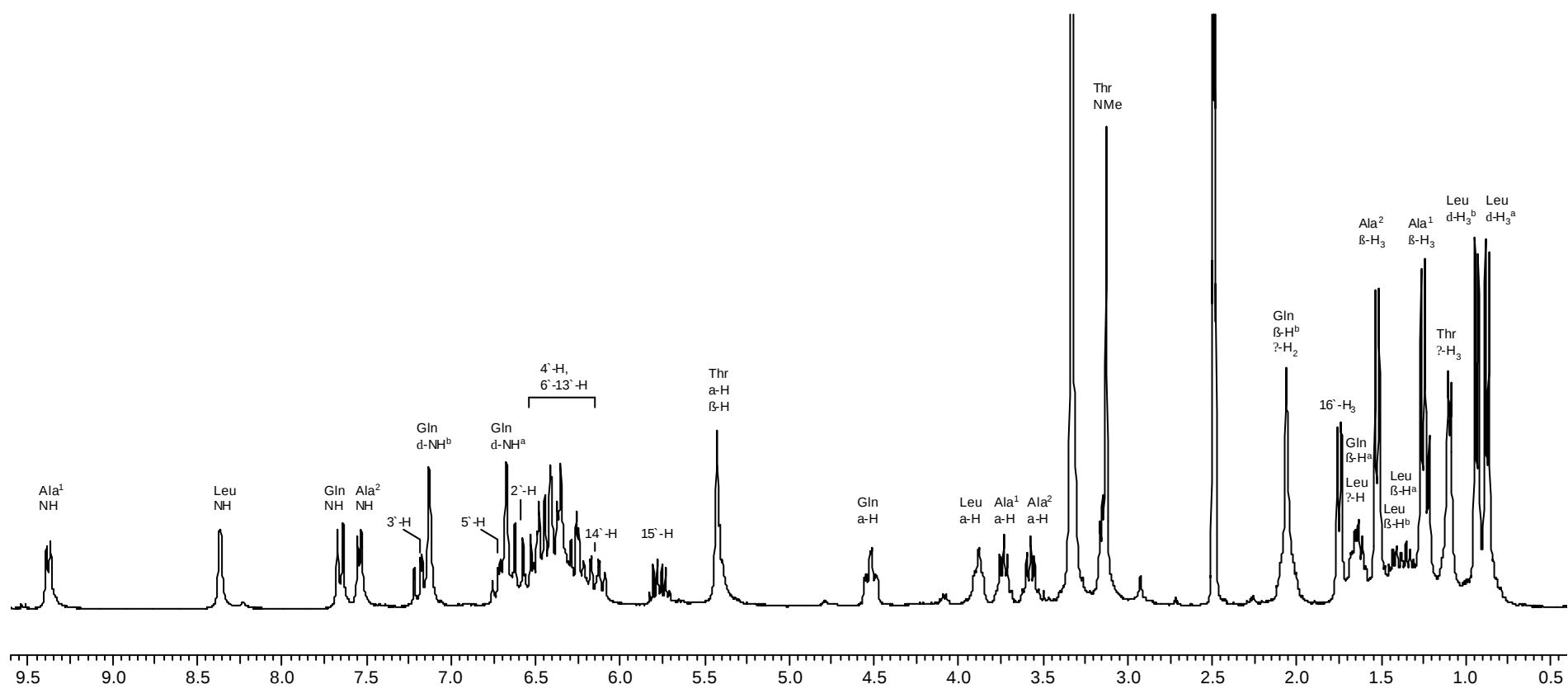
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for

Structure and Biosynthesis of Myxochromides S_{1-3} in *Stigmatella aurantiaca*: Evidence for an Iterative Bacterial Type I Polyketide Synthase and for Module Skipping in Nonribosomal Peptide Biosynthesis

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^1H NMR spectrum of Myxochromide S₁ in $[\text{D}_6]\text{DMSO}$ at 300 MHz

Table S1. NOESY NMR data (600 MHz) of myxochromide S_1 in $[D_6]DMSO$.		
	H-Atom	NOE observed ^[a]
N-Me-threonine	NMe	Thr ?-H ₃ (m), Ala ² a-H (m), Gln a-H (w), Thr a,β-H (m), 2'-H (s), Gln NH (w)
	a-H, β-H	Thr NMe (m), Gln a-H (w), 2'-H (w), 3'-H (w), Leu NH (s)
	?-H ₃	Thr NMe (m), Gln a-H (w)
Leucine	NH	Leu β-H ^{a,b} (m), Leu ?-H (m), Thr a,β-H (s)
	a-H	Leu d-H ₃ ^{a,b} (s), Leu ?-H (m), Ala ² NH (w), Ala ¹ NH (s)
	β-H ^a	Leu d-H ₃ ^a (m), Leu NH (w)
	β-H ^b	Leu d-H ₃ ^b (m), Leu NH (w)
	?-H	Leu a-H (m), Leu NH (m)
	d-H ₃ ^a	Leu β-H ₂ ^a (m), Leu a-H (m)
	d-H ₃ ^b	Leu β-H ₂ ^b (m), Leu a-H (m)
Alanine ¹	NH	Ala ¹ β-H ₃ (w), Leu a-H (s)
	a-H	Ala ² β-H ₃ (w), Ala ² NH (m)
	β-H ₃	Gln NH (w), Ala ¹ NH (w)
Alanine ²	NH	Ala ¹ a-H (m), Leu a-H (w), Gln NH (w)
	a-H	Thr NMe (s), Gln NH (m)
	β-H ₃	Ala ¹ a-H (w), Ala ² NH (w), Gln NH (w), Ala ¹ NH (w)
Glutamine	NH	Ala ² β-H ₃ (w), Gln β-H ^a (m), Gln β-H ^b , ?-H ₂ (m), Thr NMe (w), Ala ² a-H (m), Ala ² NH (w)
	a-H	Thr ?-H ₃ (w), Thr NMe (m), Ala ² a-H (w), Thr a,β-H (w)
	β-H ^a	Gln NH (m)
	β-H ^b , ?-H ₂	Gln d-NH ^a (w), Gln d-NH ^b (w), Gln NH (w)
	d-NH ^a	Gln β-H ^b , ?-H ₂ (w)
	d-NH ^b	Gln β-H ^b , ?-H ₂ (w)
[a] Correlations between vicinal protons and within the side chain are not listed. w, weak; m, medium; s, strong.		