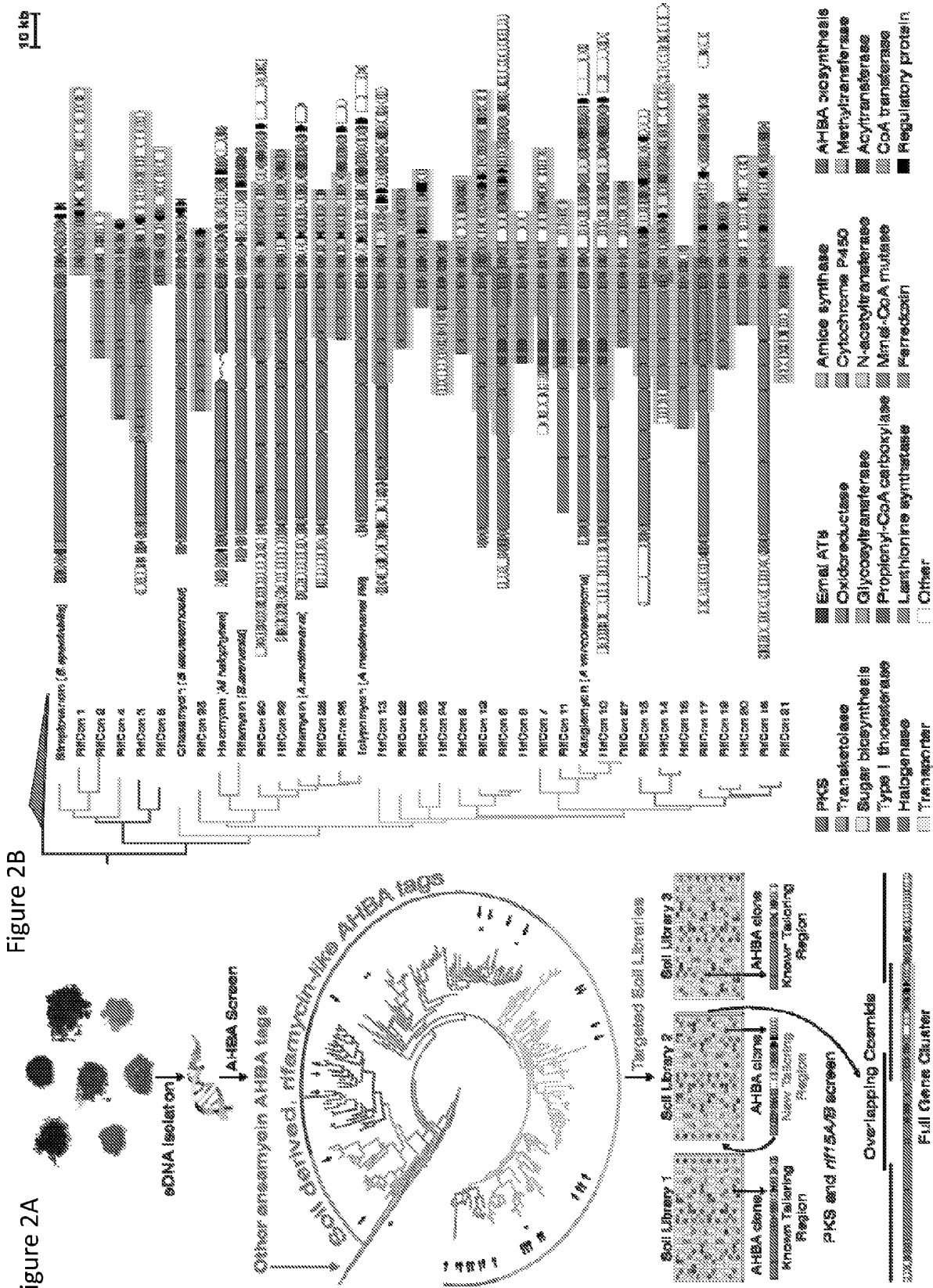




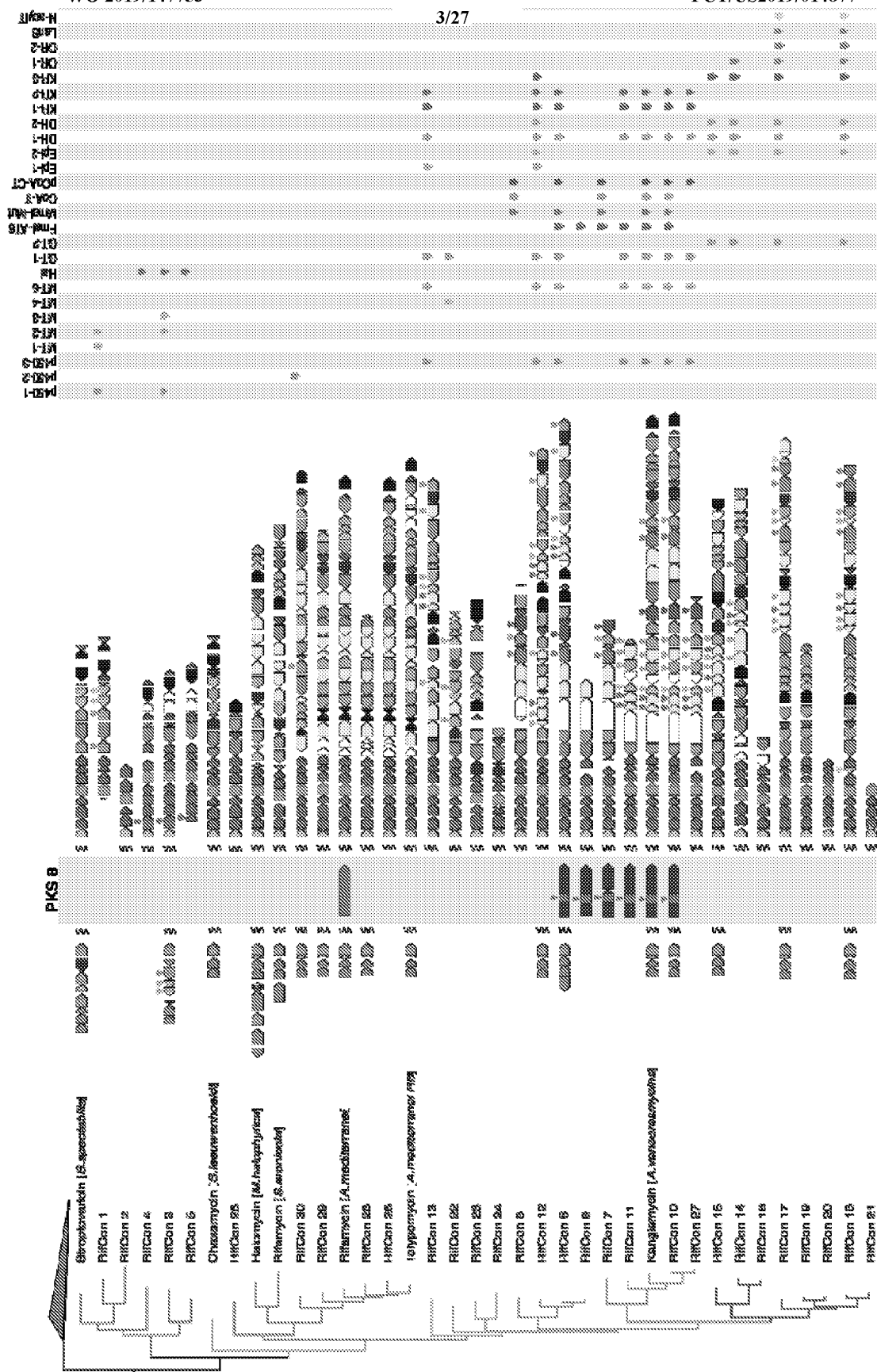


Figure 3

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Phylogenetic tree showing the relationships between various RfC and RfCn sequences. The tree is rooted at the bottom left. Bootstrap support values are indicated at the nodes. The sequences are grouped into several clusters, with some groups labeled as 'Epi1' and 'Epi2'.

Sequences shown (from top to bottom):

- NR725643.1
- RfCn18 nt84
- RfCn17 nt55
- RfCn14 nt32
- RfCn15 nt33
- RfCn30 nt81
- RfCn35 nt82
- RfCn36 nt83
- RfCn37 nt84
- RfCn38 nt85
- RfCn39 nt86
- RfCn40 nt87
- RfCn41 nt88
- RfCn42 nt89
- RfCn43 nt90
- RfCn44 nt91
- RfCn45 nt92
- RfCn46 nt93
- RfCn47 nt94
- RfCn48 nt95
- RfCn49 nt96
- RfCn50 nt97
- RfCn51 nt98
- RfCn52 nt99
- RfCn53 nt100
- RfCn54 nt101
- RfCn55 nt102
- RfCn56 nt103
- RfCn57 nt104
- RfCn58 nt105
- RfCn59 nt106
- RfCn60 nt107
- RfCn61 nt108
- RfCn62 nt109
- RfCn63 nt110
- RfCn64 nt111
- RfCn65 nt112
- RfCn66 nt113
- RfCn67 nt114
- RfCn68 nt115
- RfCn69 nt116
- RfCn70 nt117
- RfCn71 nt118
- RfCn72 nt119
- RfCn73 nt120
- RfCn74 nt121
- RfCn75 nt122
- RfCn76 nt123
- RfCn77 nt124
- RfCn78 nt125
- RfCn79 nt126
- RfCn80 nt127
- RfCn81 nt128
- RfCn82 nt129
- RfCn83 nt130
- RfCn84 nt131
- RfCn85 nt132
- RfCn86 nt133
- RfCn87 nt134
- RfCn88 nt135
- RfCn89 nt136
- RfCn90 nt137
- RfCn91 nt138
- RfCn92 nt139
- RfCn93 nt140
- RfCn94 nt141
- RfCn95 nt142
- RfCn96 nt143
- RfCn97 nt144
- RfCn98 nt145
- RfCn99 nt146
- RfCn100 nt147
- RfCn101 nt148
- RfCn102 nt149
- RfCn103 nt150
- RfCn104 nt151
- RfCn105 nt152
- RfCn106 nt153
- RfCn107 nt154
- RfCn108 nt155
- RfCn109 nt156
- RfCn110 nt157
- RfCn111 nt158
- RfCn112 nt159
- RfCn113 nt160
- RfCn114 nt161
- RfCn115 nt162
- RfCn116 nt163
- RfCn117 nt164
- RfCn118 nt165
- RfCn119 nt166
- RfCn120 nt167
- RfCn121 nt168
- RfCn122 nt169
- RfCn123 nt170
- RfCn124 nt171
- RfCn125 nt172
- RfCn126 nt173
- RfCn127 nt174
- RfCn128 nt175
- RfCn129 nt176
- RfCn130 nt177
- RfCn131 nt178
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- RfCn146 nt193
- RfCn147 nt194
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- RfCn200 nt247
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- RfCn203 nt250
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- RfCn277 nt324
- RfCn278 nt325
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- RfCn281 nt328
- RfCn282 nt329
- RfCn2

Figure 4B

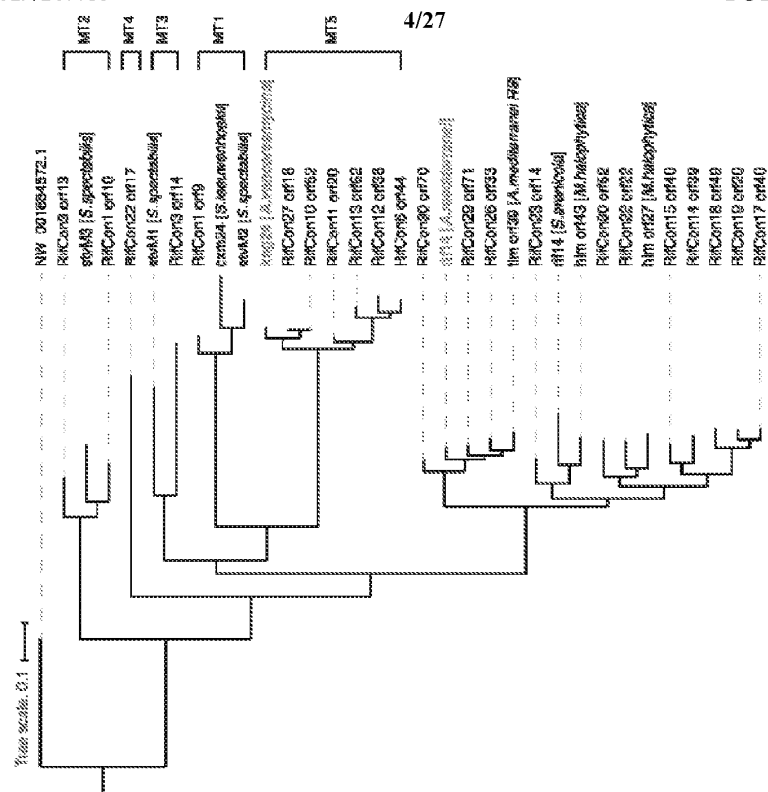
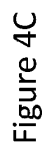
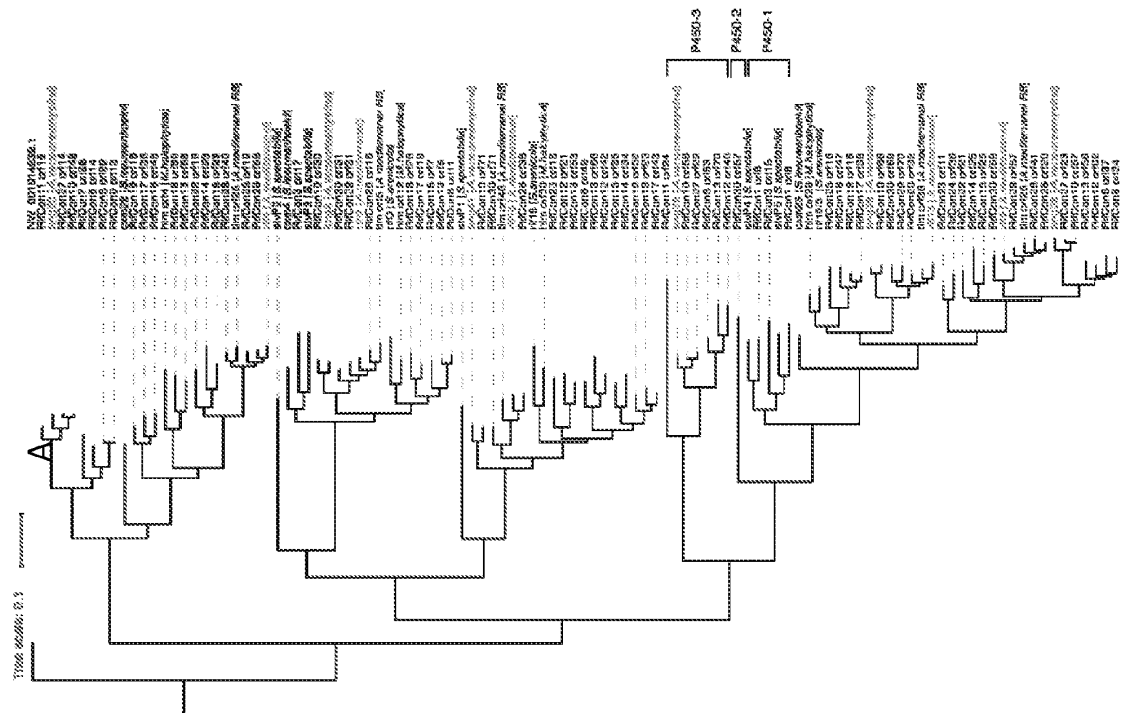


Figure 5B



Figure 5A



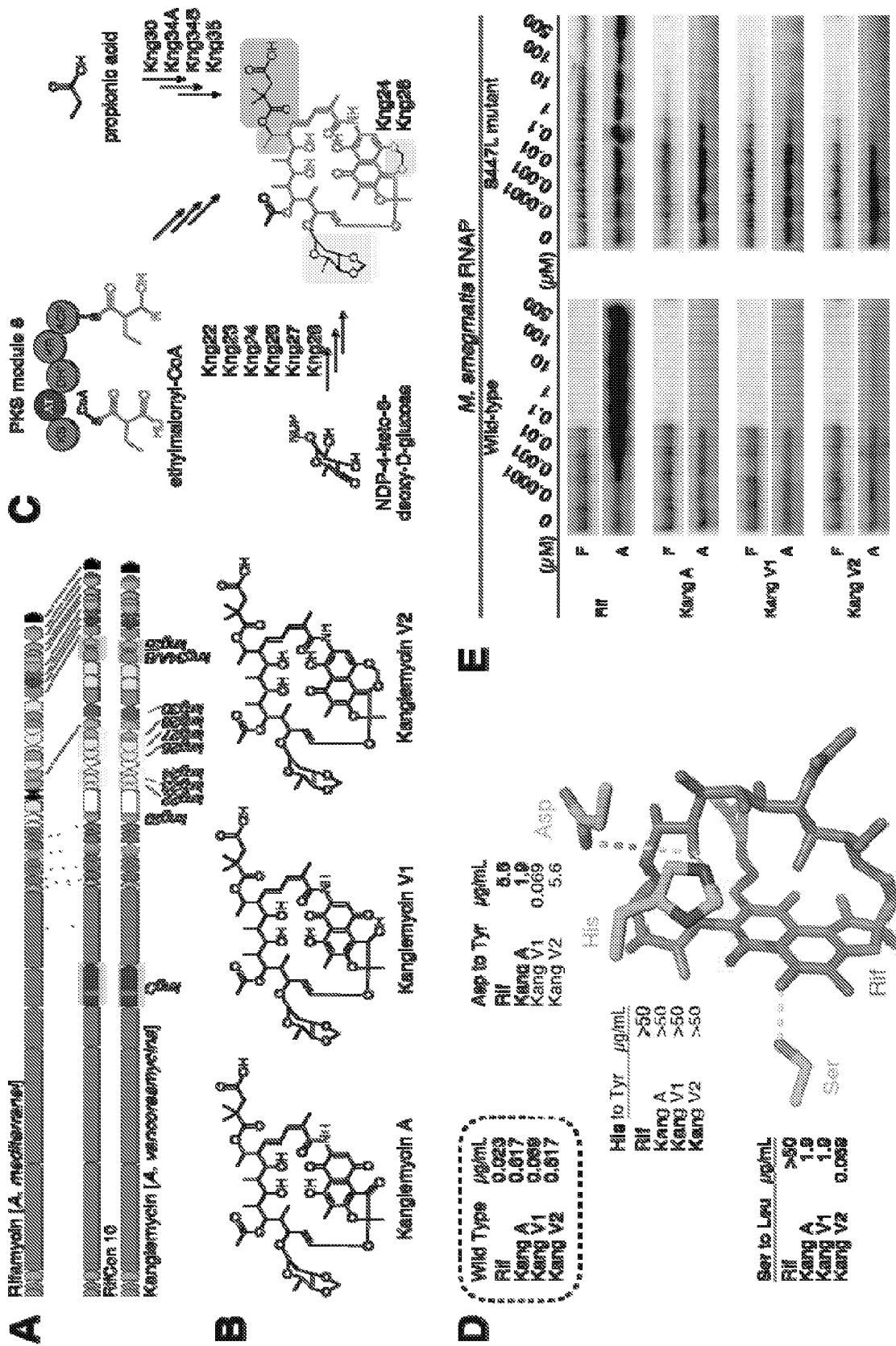


Figure 6A – Figure 6E

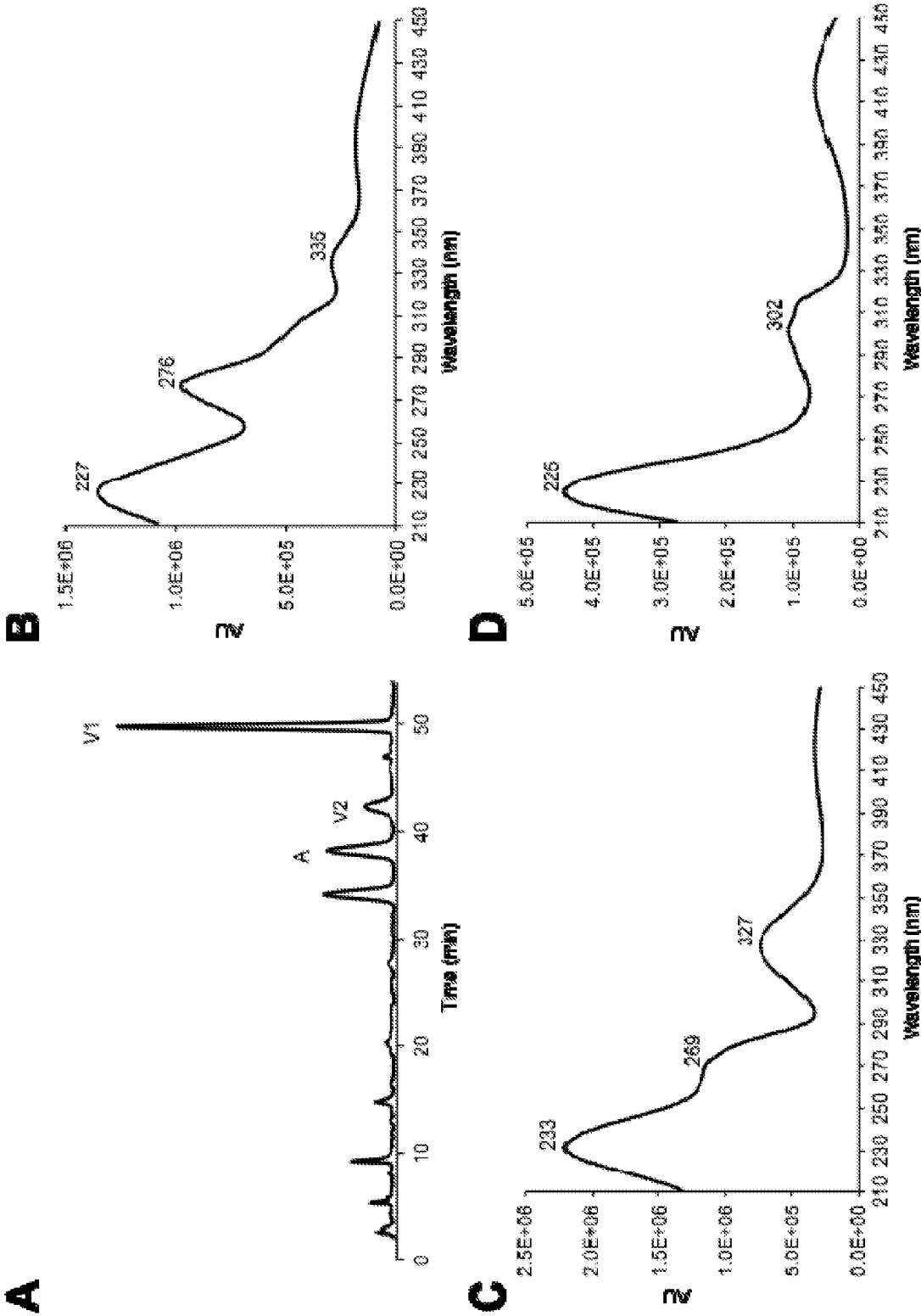


Figure 7A – Figure 7D

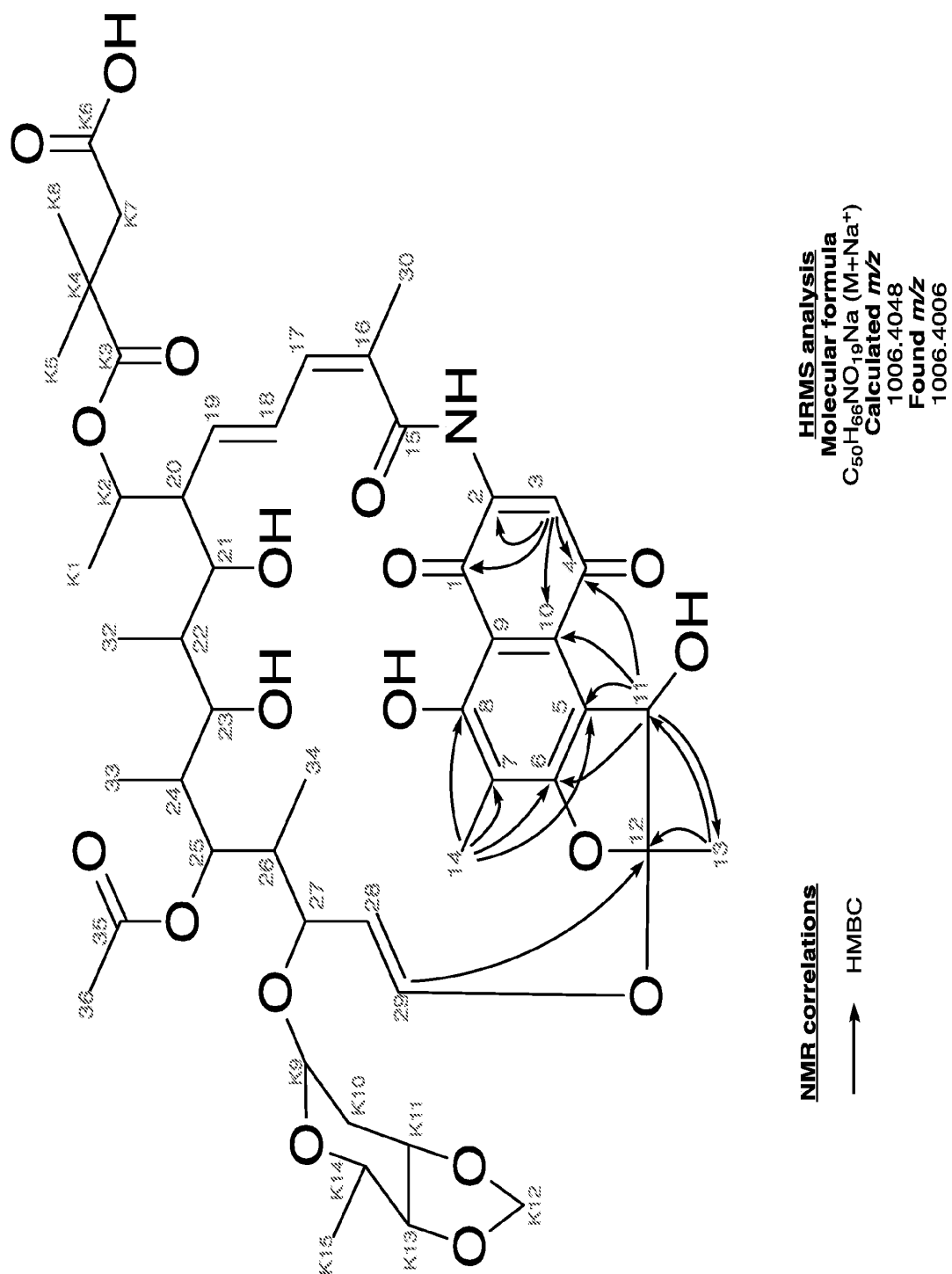
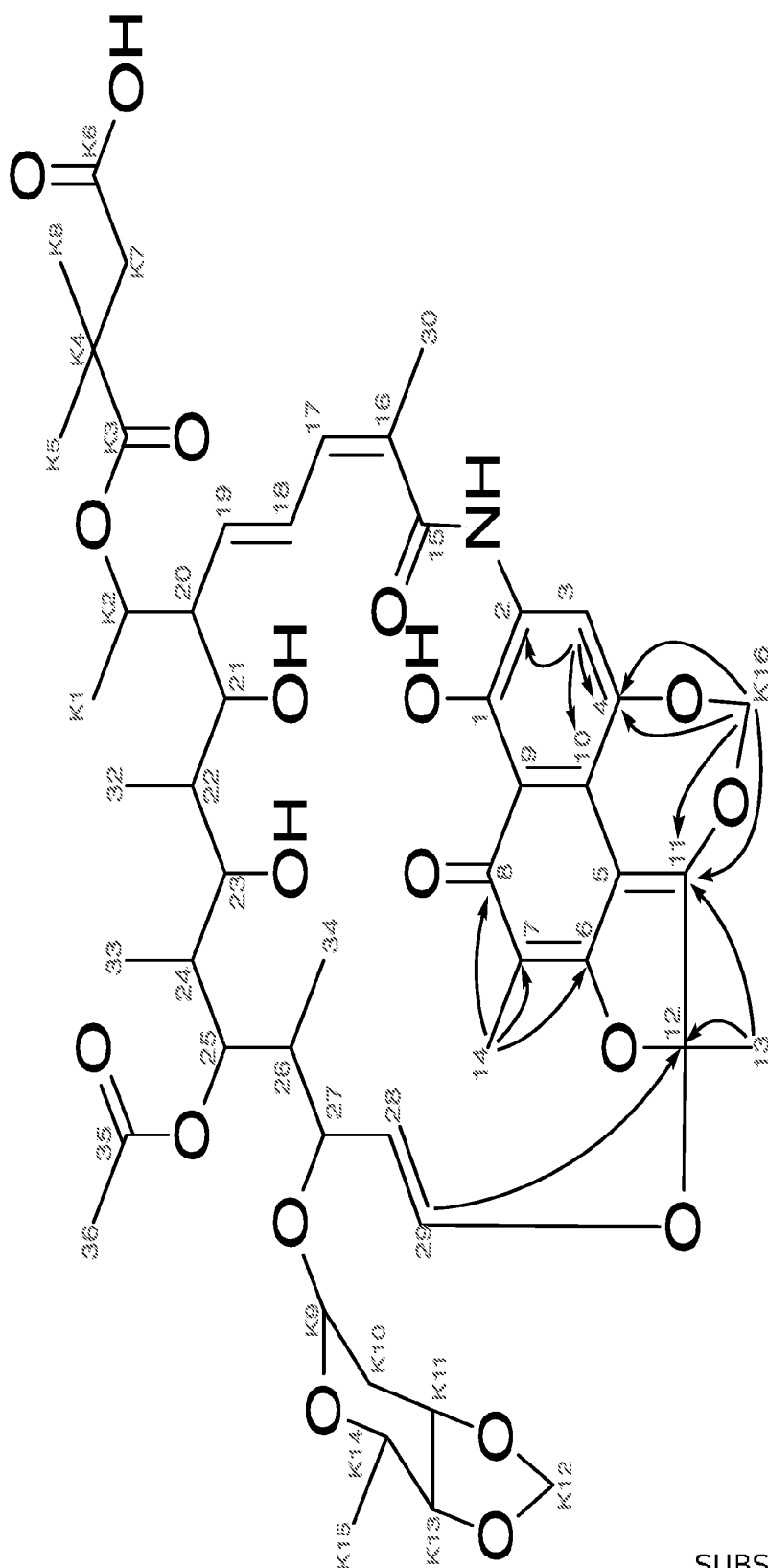


Figure 8



HRMS analysis
Molecular formula
 $C_{51}H_{66}NO_{19}$ ($M+H^+$)
Calculated m/z
996.4229
Found m/z
996.4197

NMR correlations
↑ HMBC
— COSY

Figure 9

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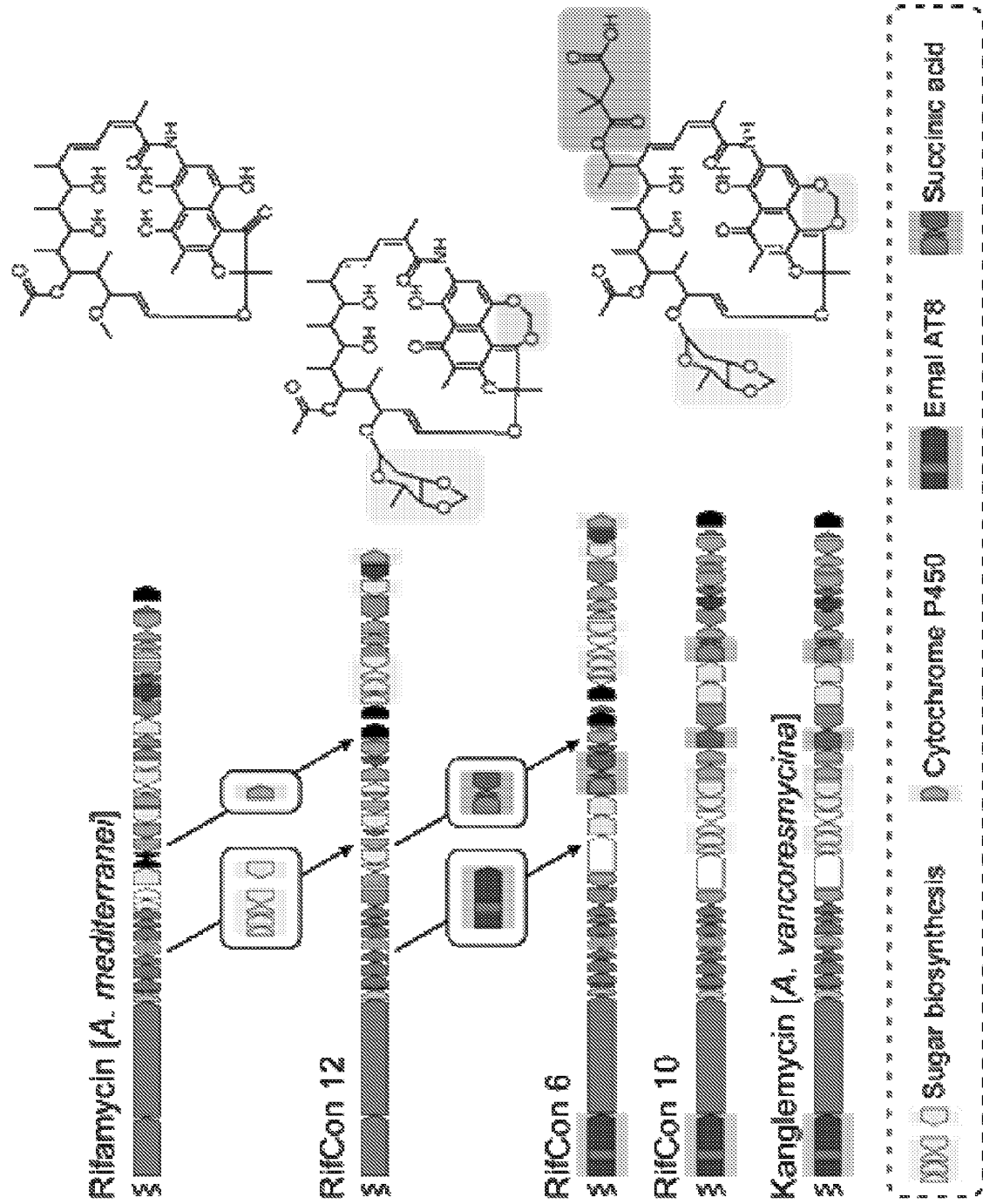


Figure 10

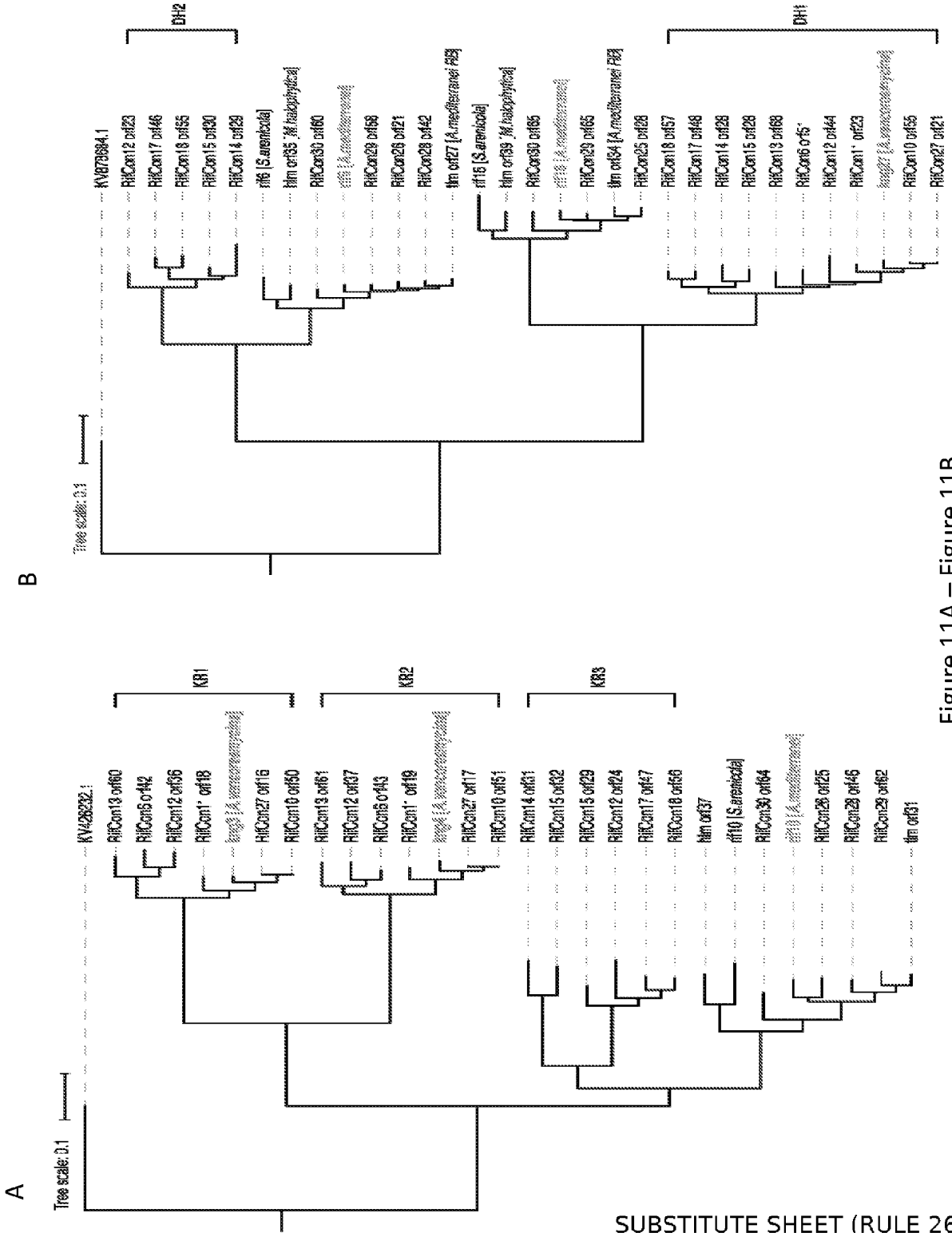
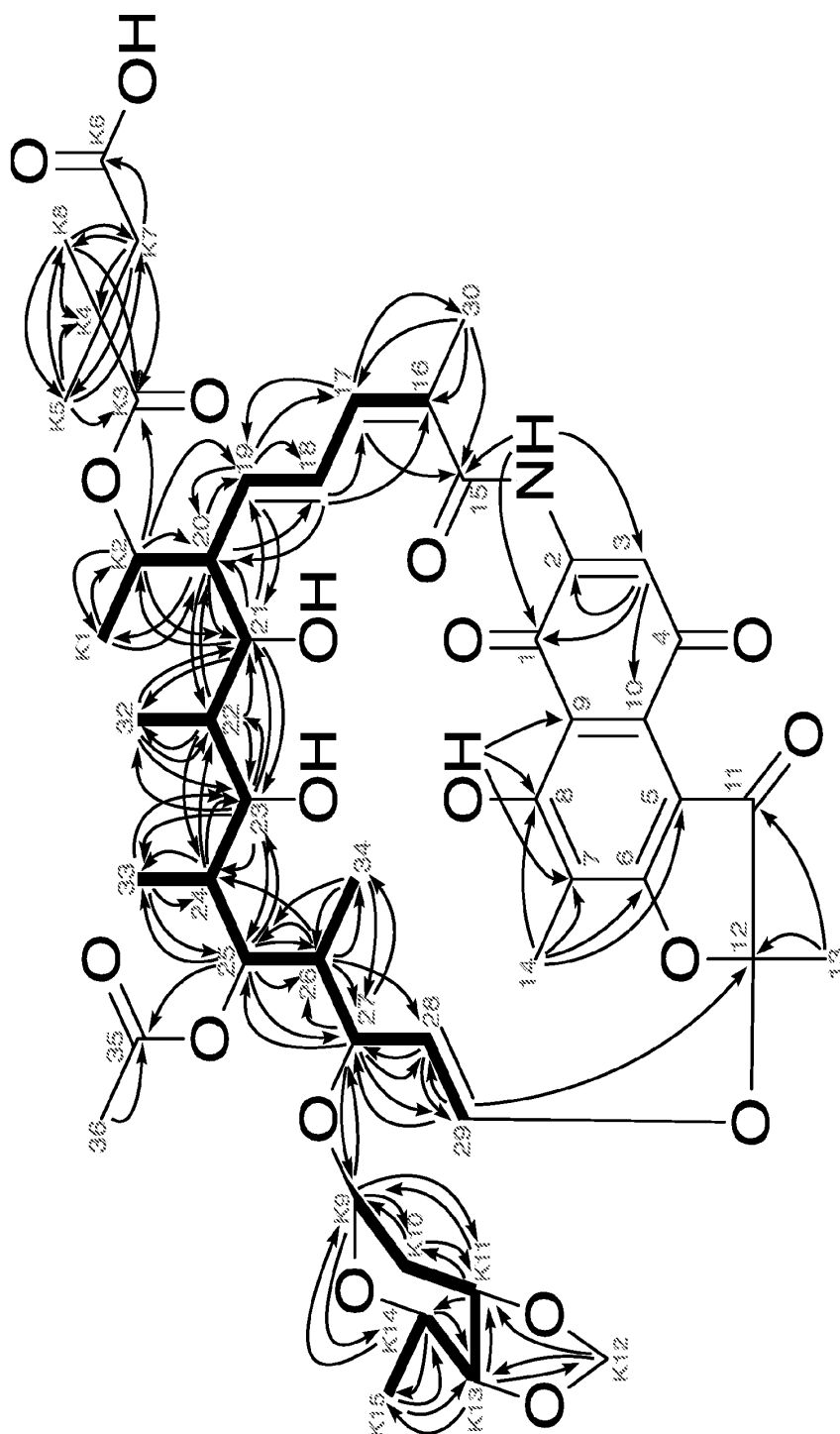


Figure 11A – Figure 11B



HRMS analysis
Molecular formula
 $C_{50}H_{64}NO_{19}$ ($M+H^+$)
Calculated m/z
 982.4073
Found m/z
 982.4025

NMR correlations
 → HMQC
 — COSY

Figure 12

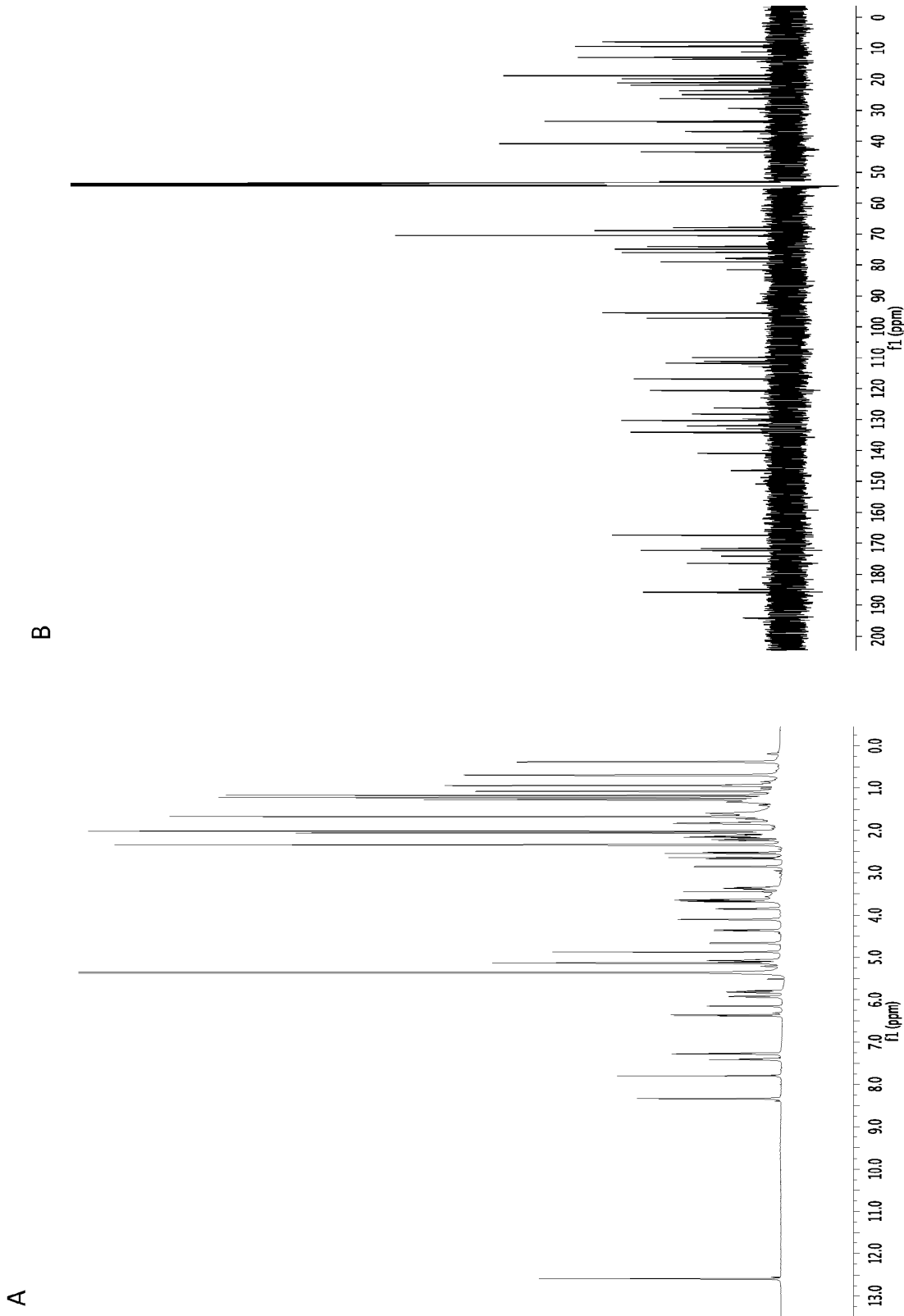
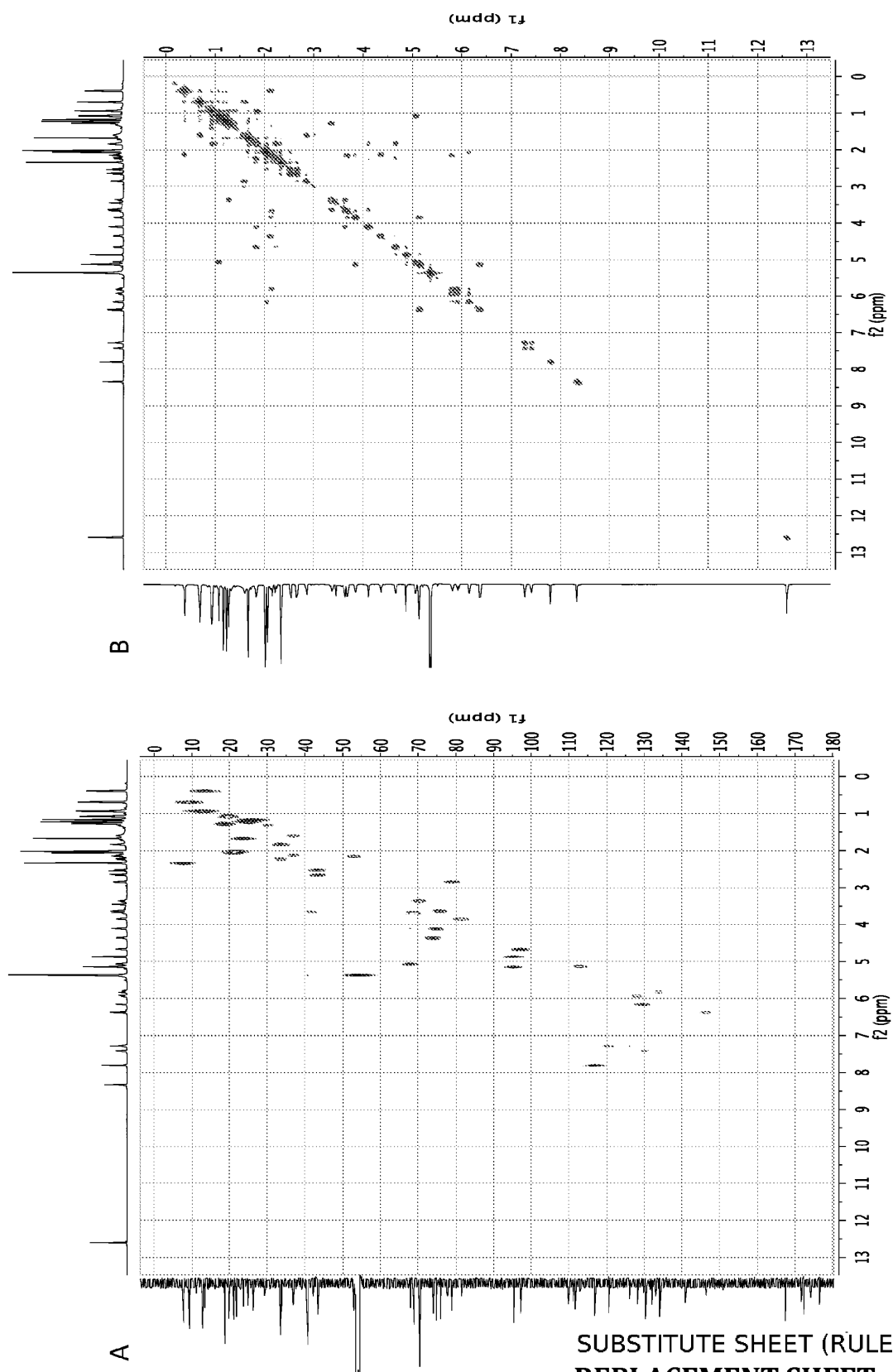


Figure 13A – Figure 13B



SUBSTITUTE SHEET (RULE 26)
REPLACEMENT SHEET

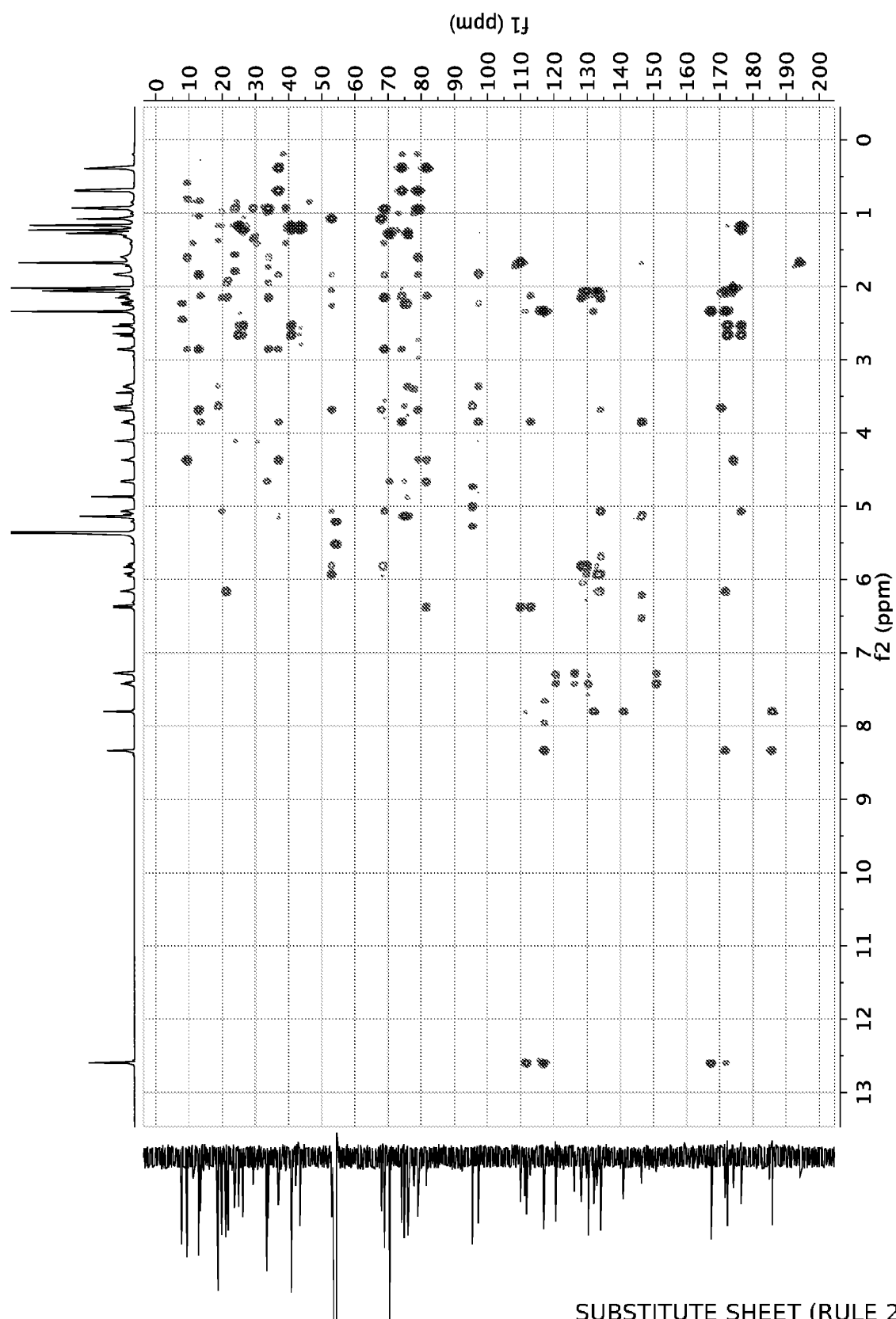


Figure 15

SUBSTITUTE SHEET (RULE 26)
REPLACEMENT SHEET

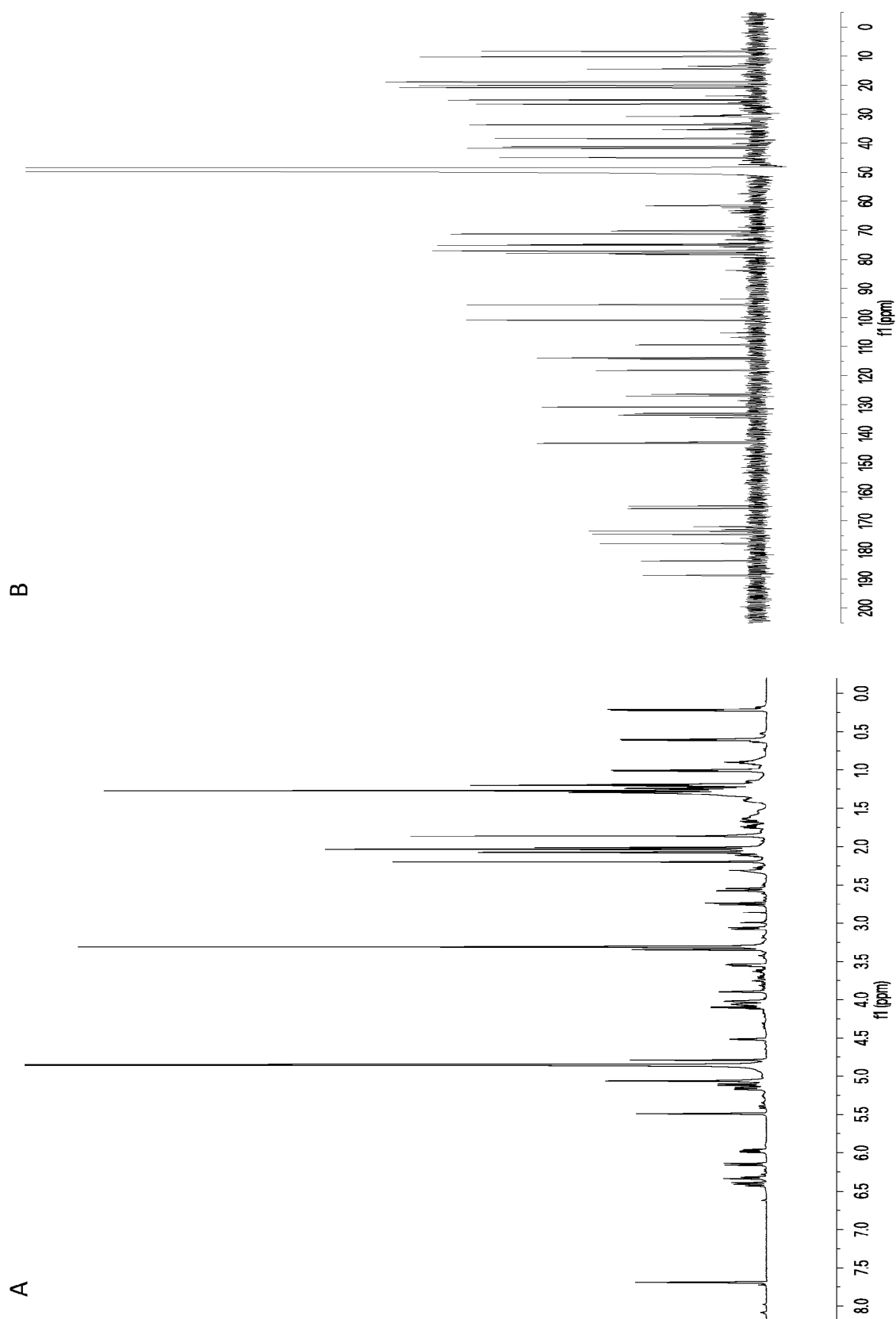
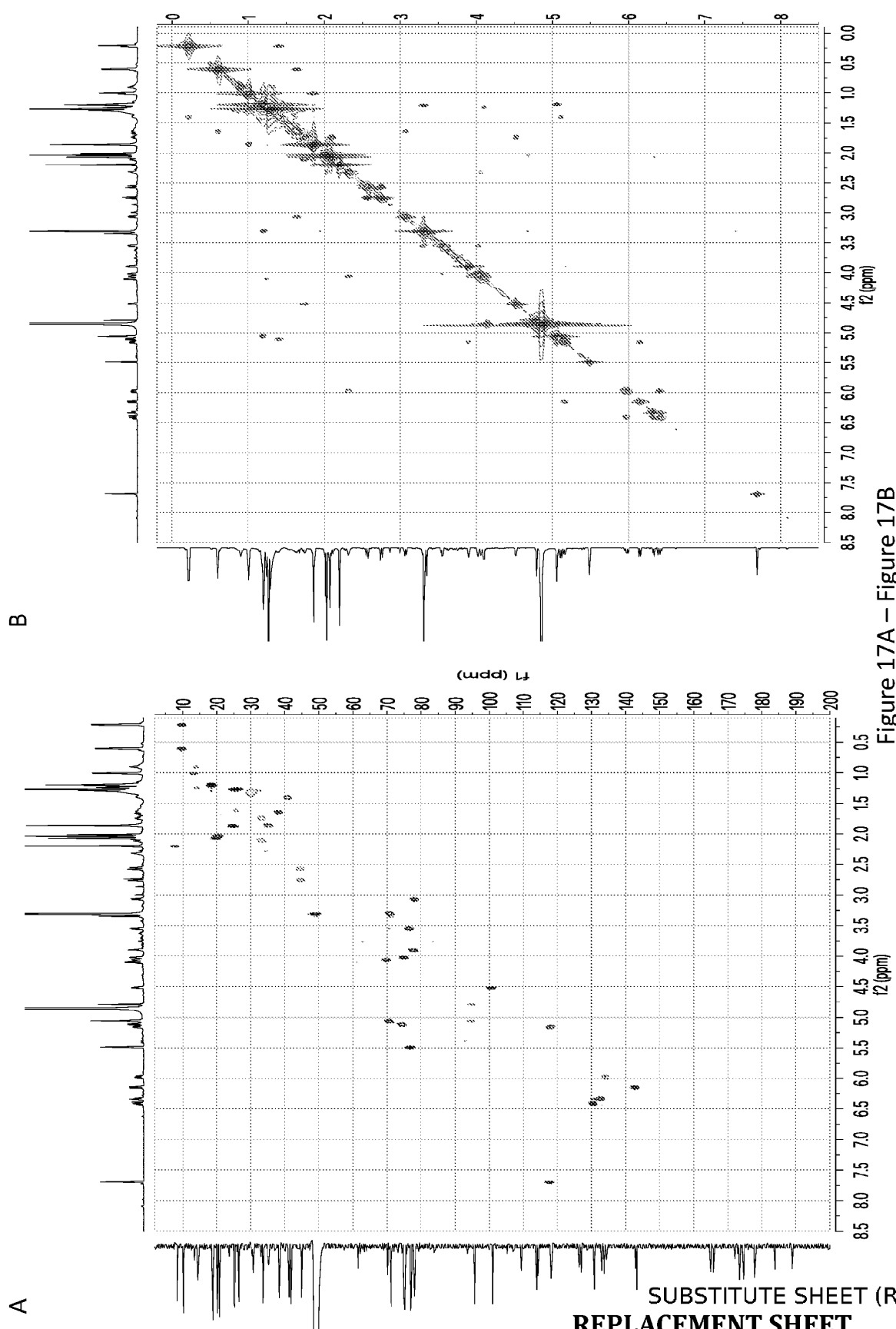


Figure 16A – Figure 16B

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REPLACEMENT SHEET

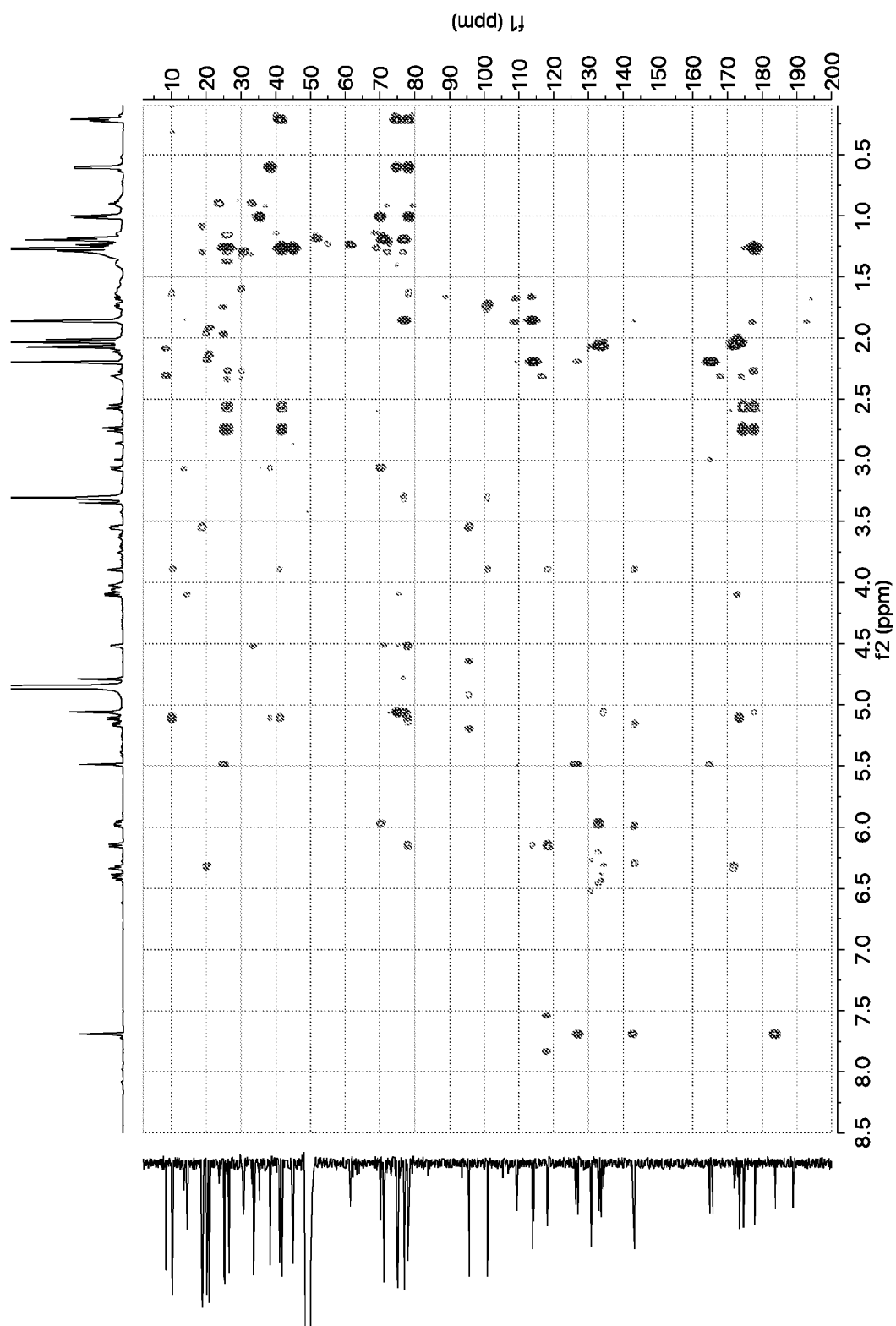


Figure 18

SUBSTITUTE SHEET (RULE 26)

REPLACEMENT SHEET

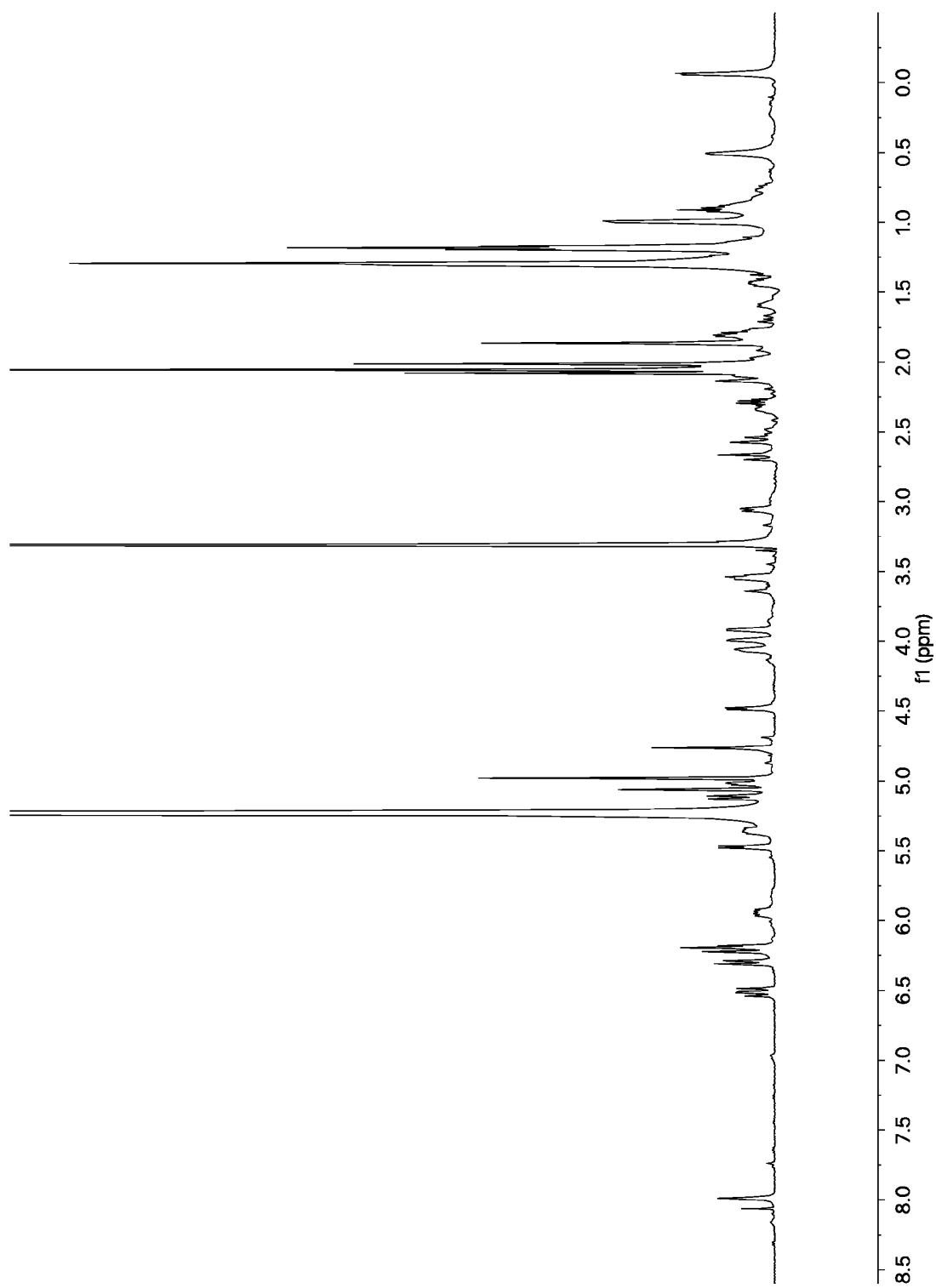


Figure 19

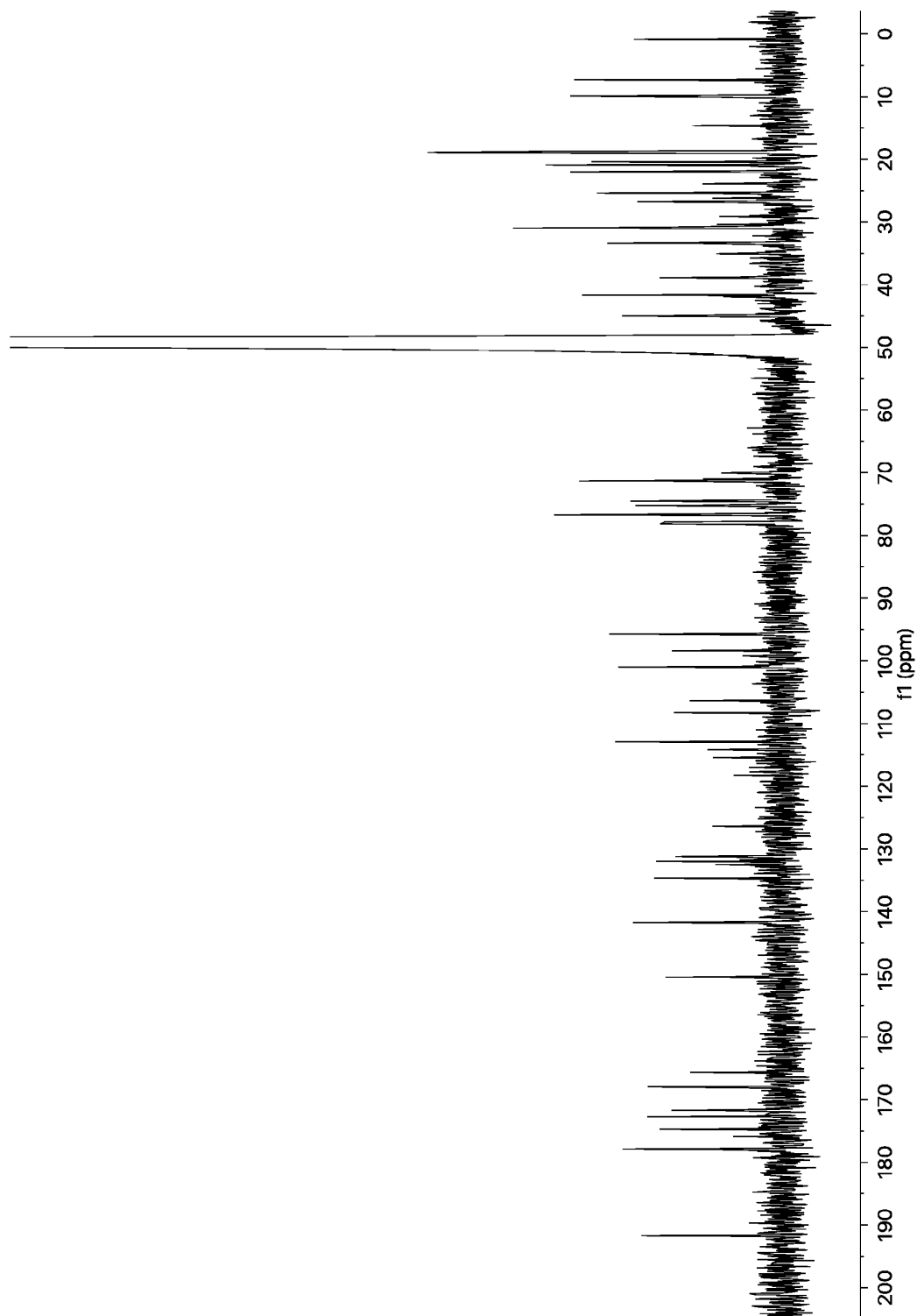


Figure 20

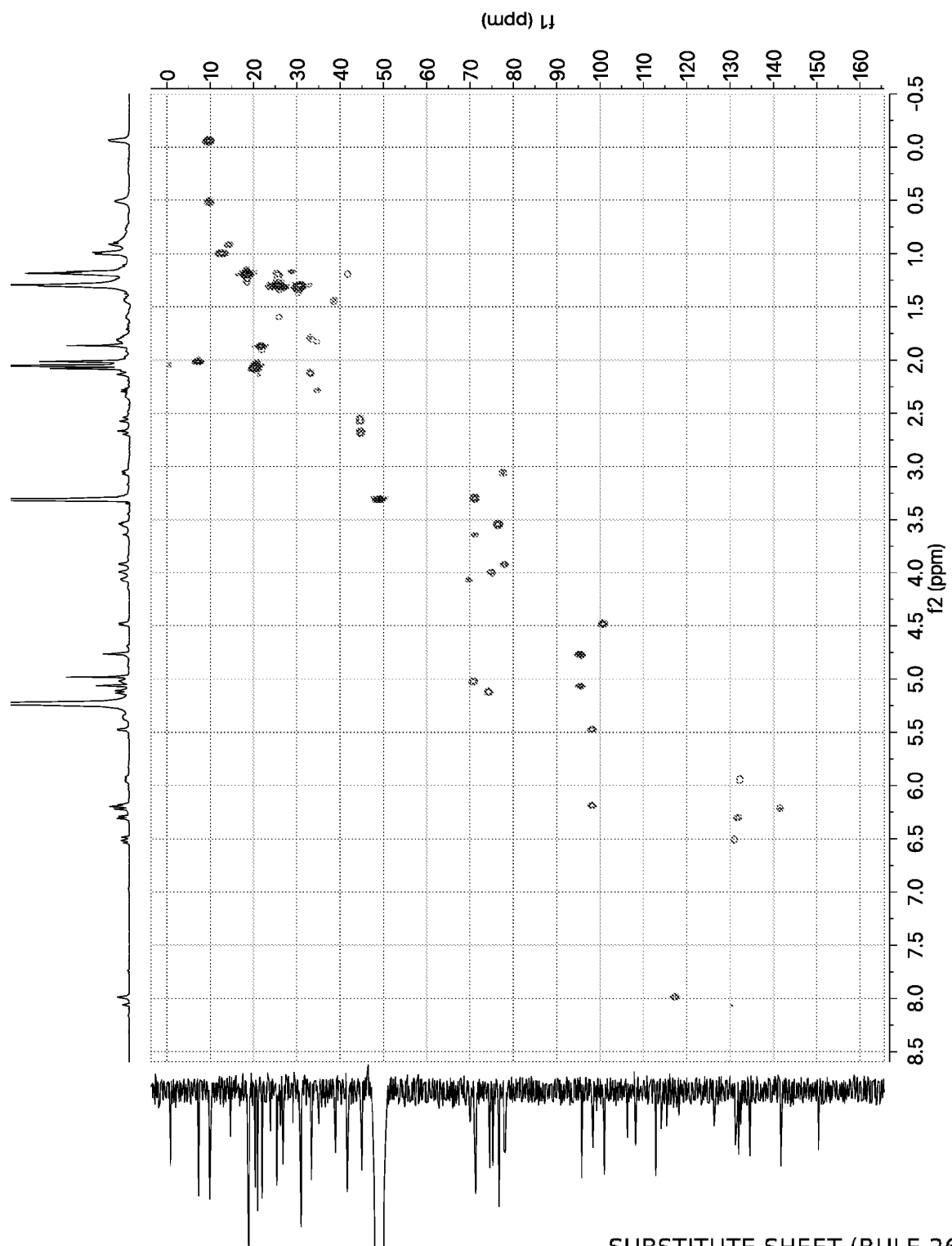


Figure 21

SUBSTITUTE SHEET (RULE 26)
REPLACEMENT SHEET

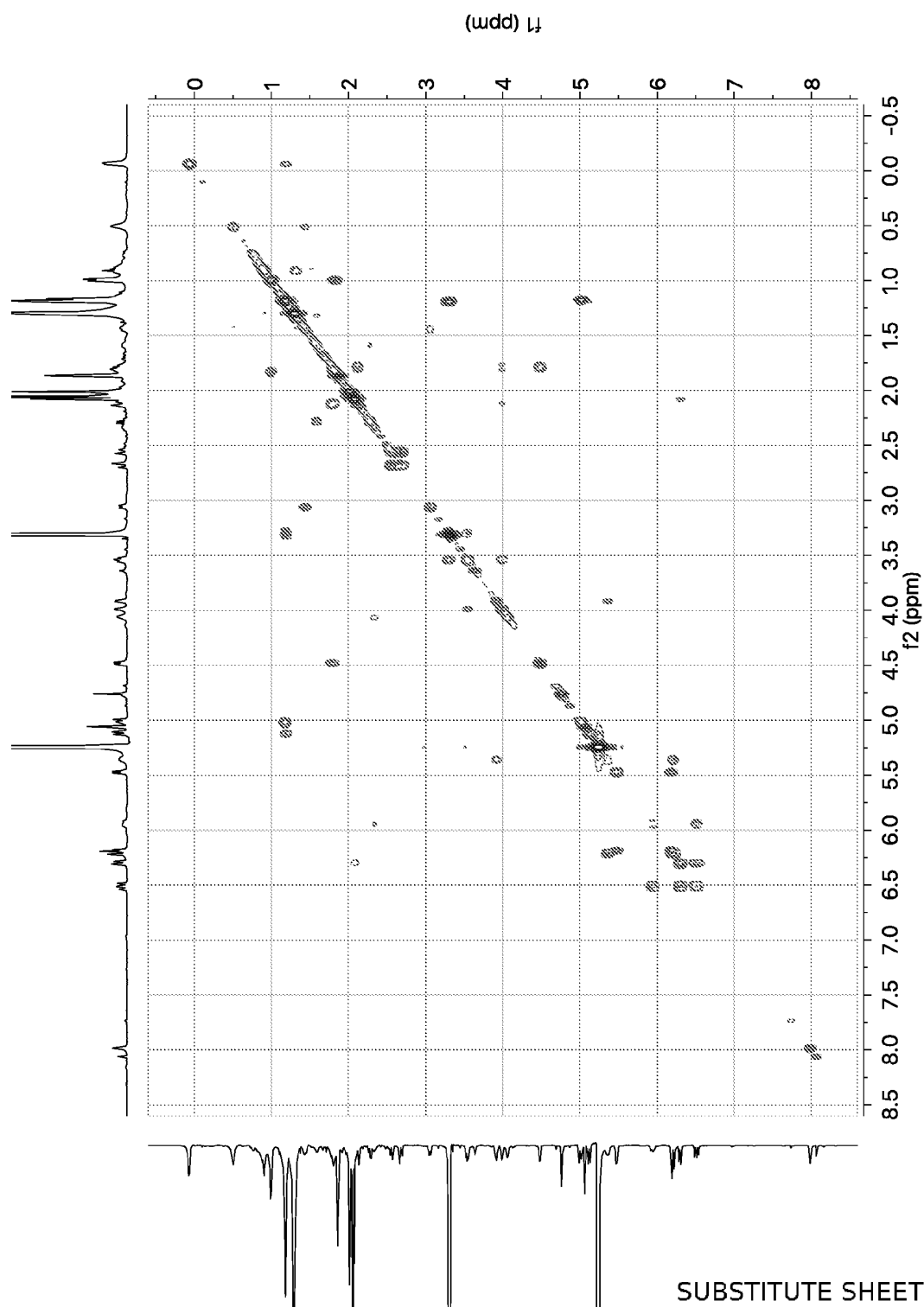


Figure 22

SUBSTITUTE SHEET (RULE 26)
REPLACEMENT SHEET

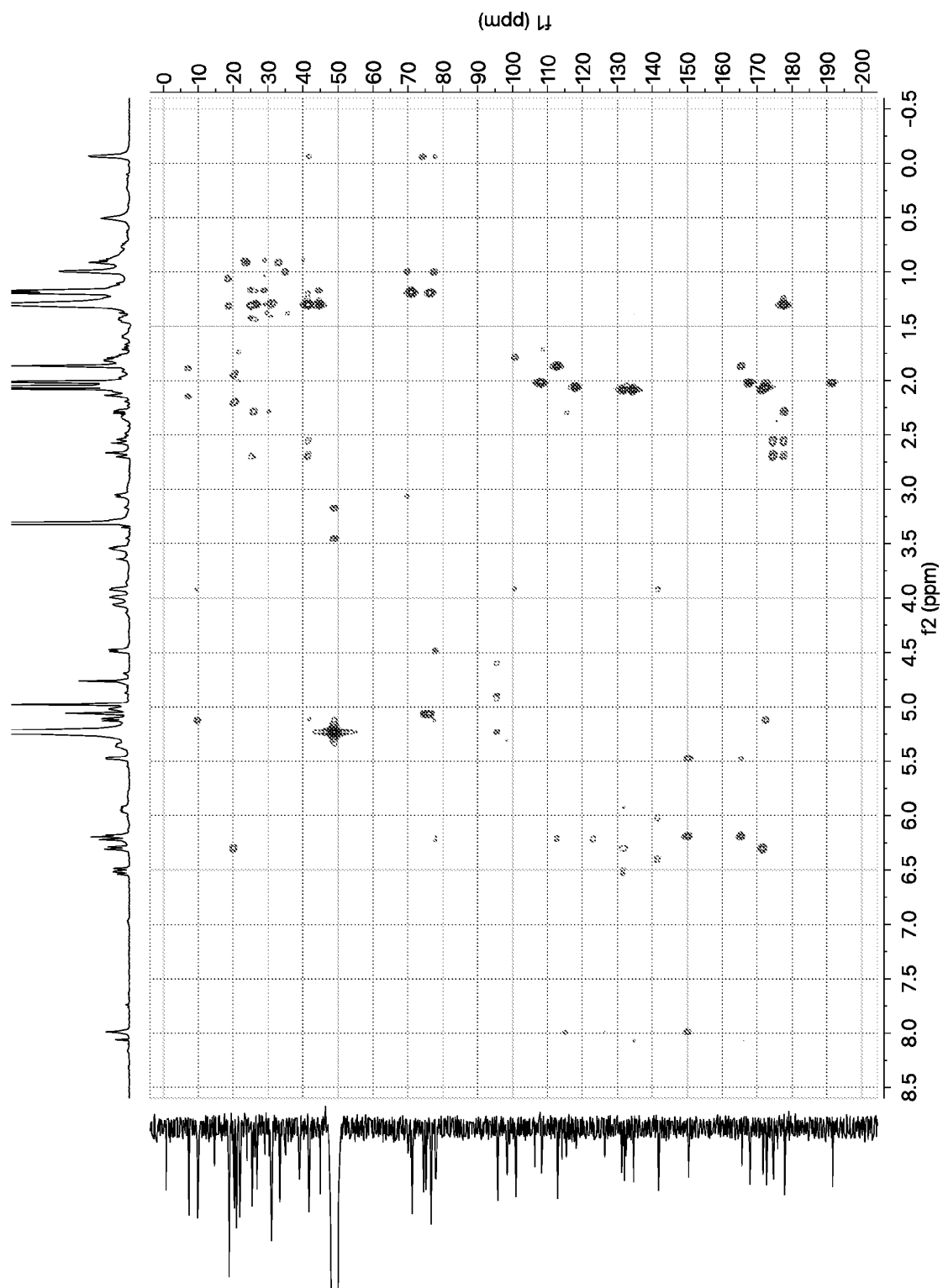


Figure 23

SUBSTITUTE SHEET (RULE 26)

REPLACEMENT SHEET

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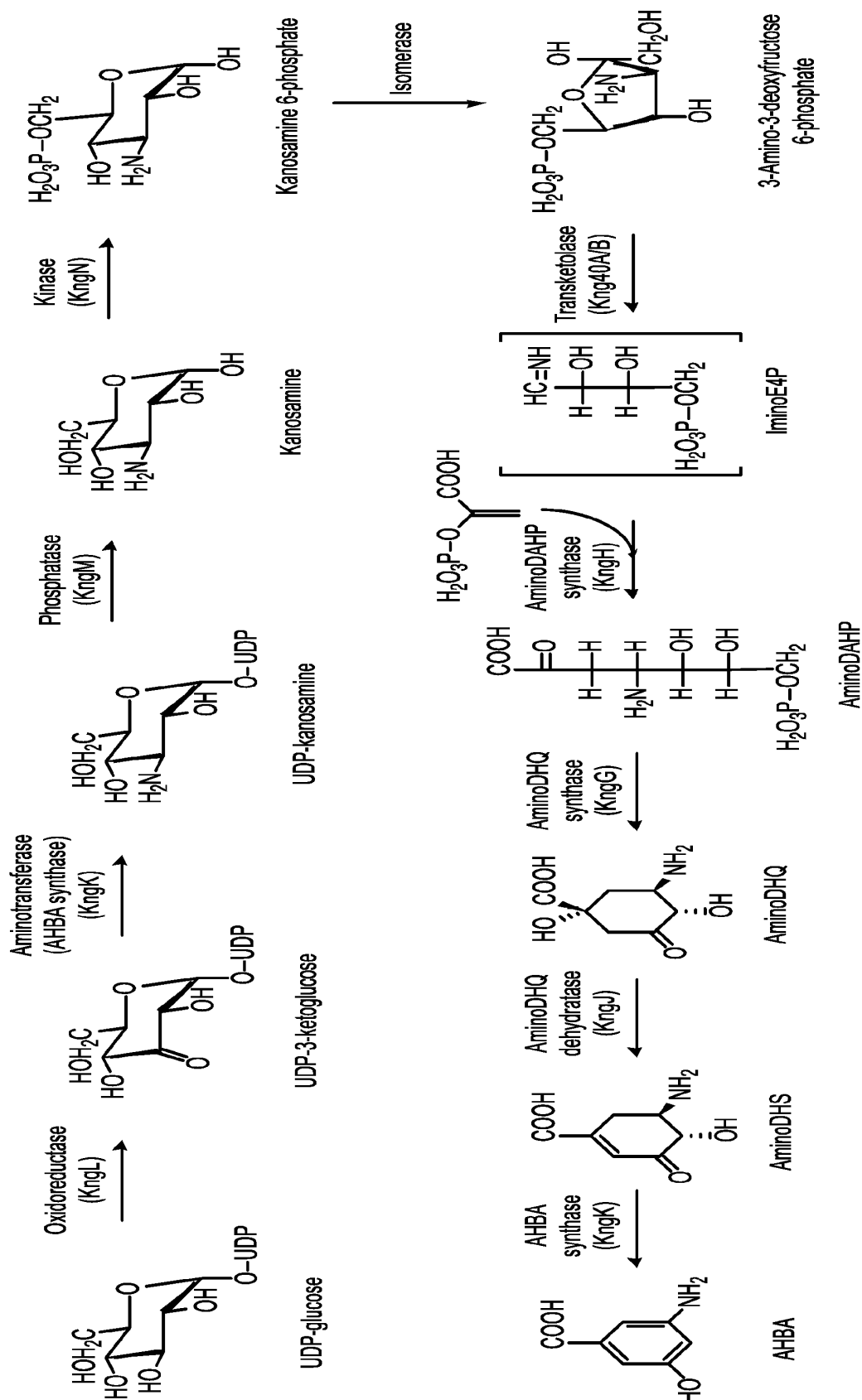


Figure 24

REPLACEMENT SHEET

SUBSTITUTE SHEET (RULE 26)

A

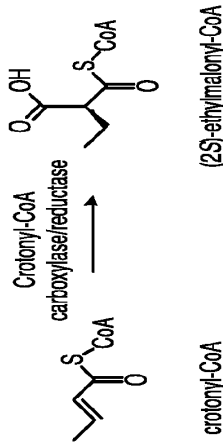
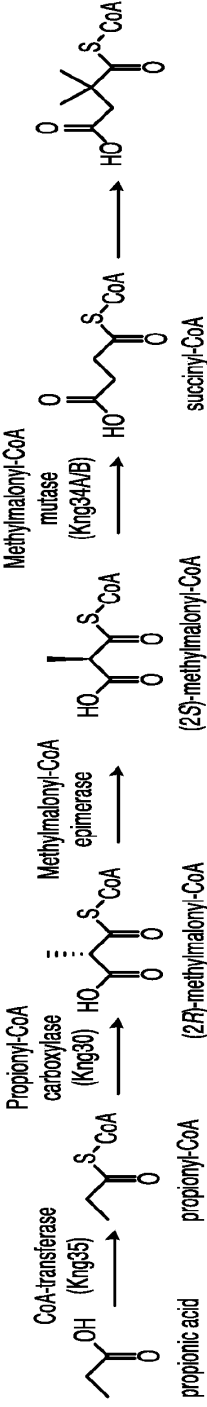
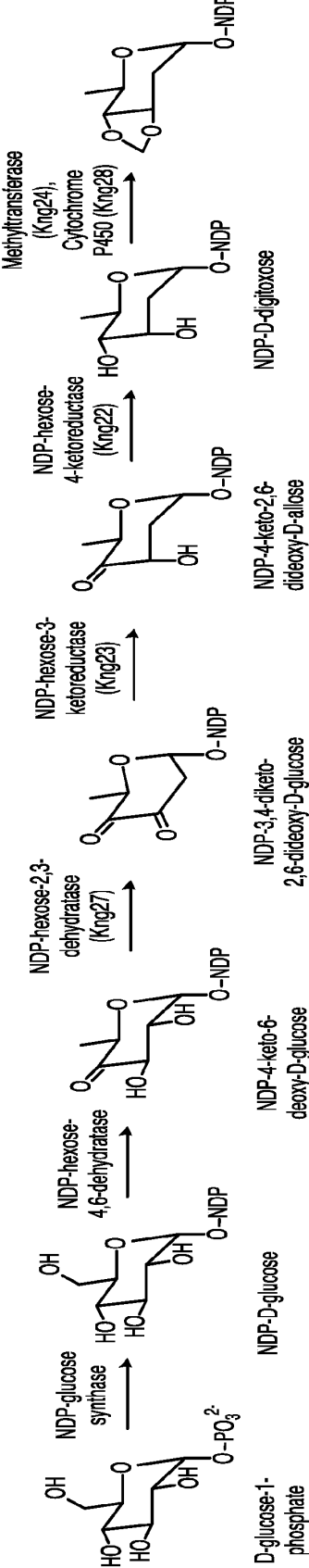


Figure 25

B



C



[illegible]

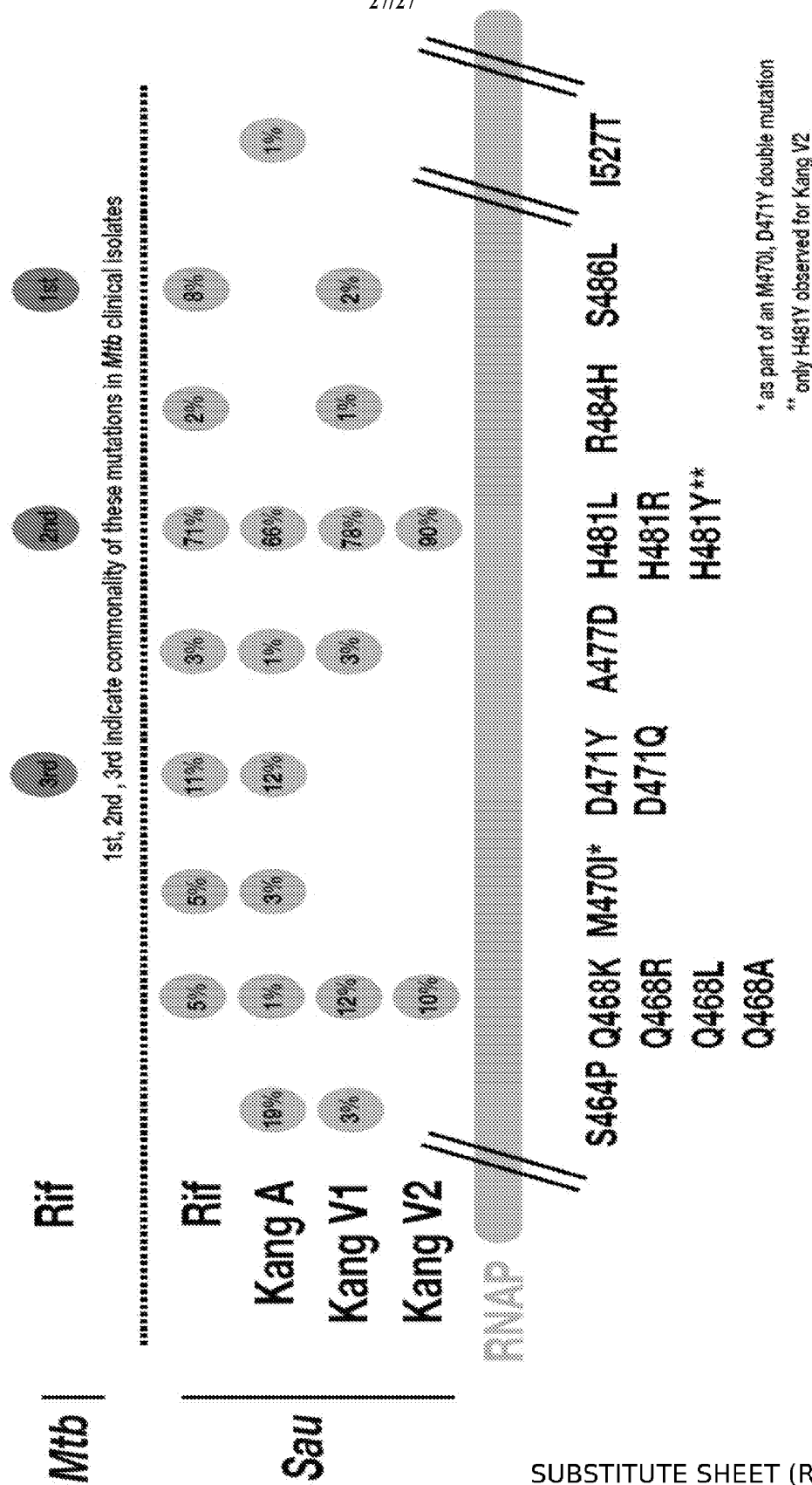


Figure 27