

Supporting information for the publication of:

“Versatility of a Dilute Acid/Butanol Pretreatment investigated on Various Lignocellulosic Biomasses to Produce Lignin, Monosaccharides and Cellulose in distinct phases.”

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Number of Pages: 20/23

Number of Figures: 18/19

2D-HSQC NMR spectra of lignin from SCB, JCW, BEW, EUW, TFE and SBP.

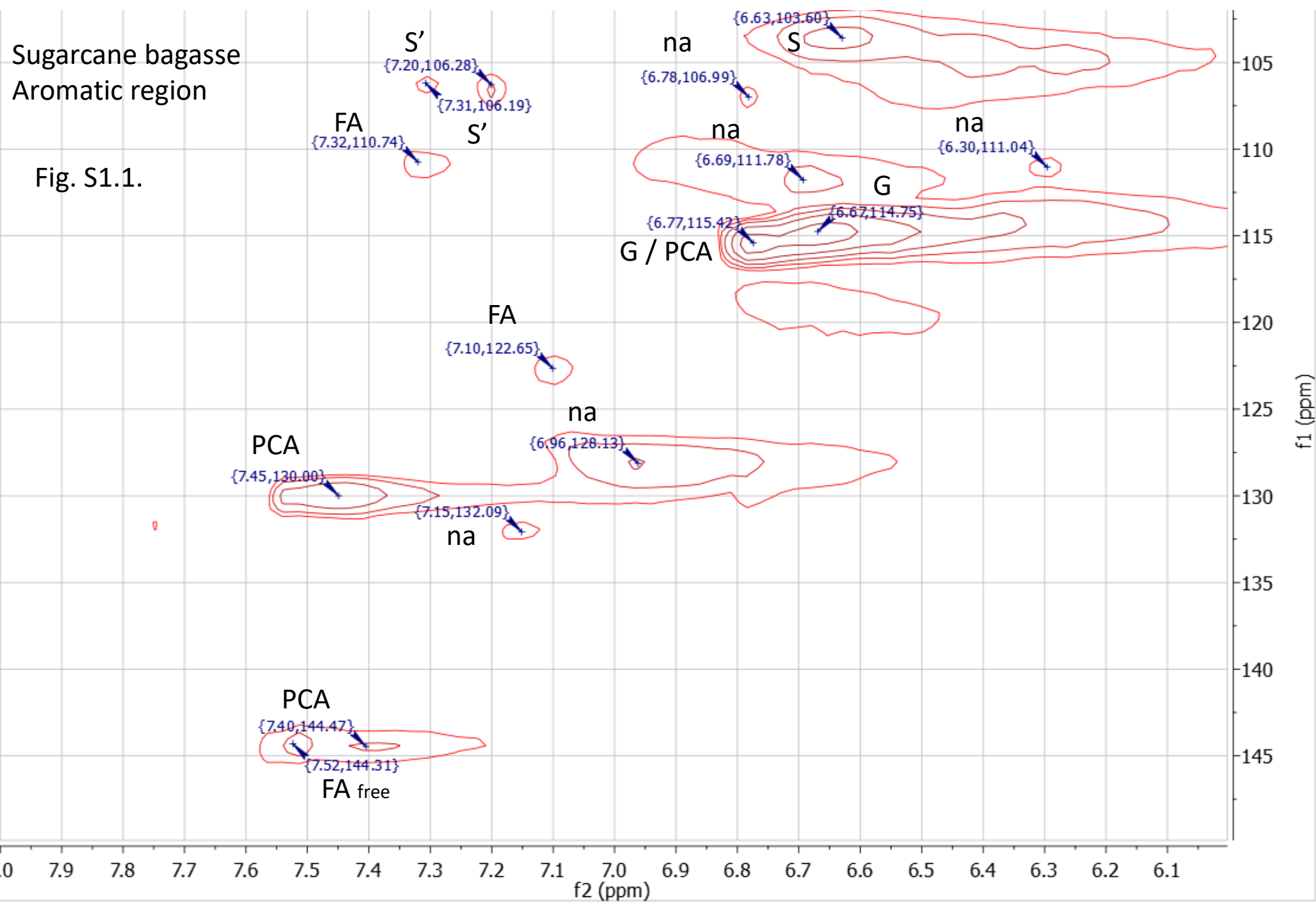
Coordinates ($\delta^{13}\text{C}$ / $\delta^1\text{H}$) of the three HSQC NMR main regions

Aromatic Region	:	6.0-8.0 / 100-150 ppm
Side chain Region	:	3.0-5.0 / 50-90 ppm
Carbohydrates Region	:	4.0-5.5 / 90-150 ppm

na : not assigned

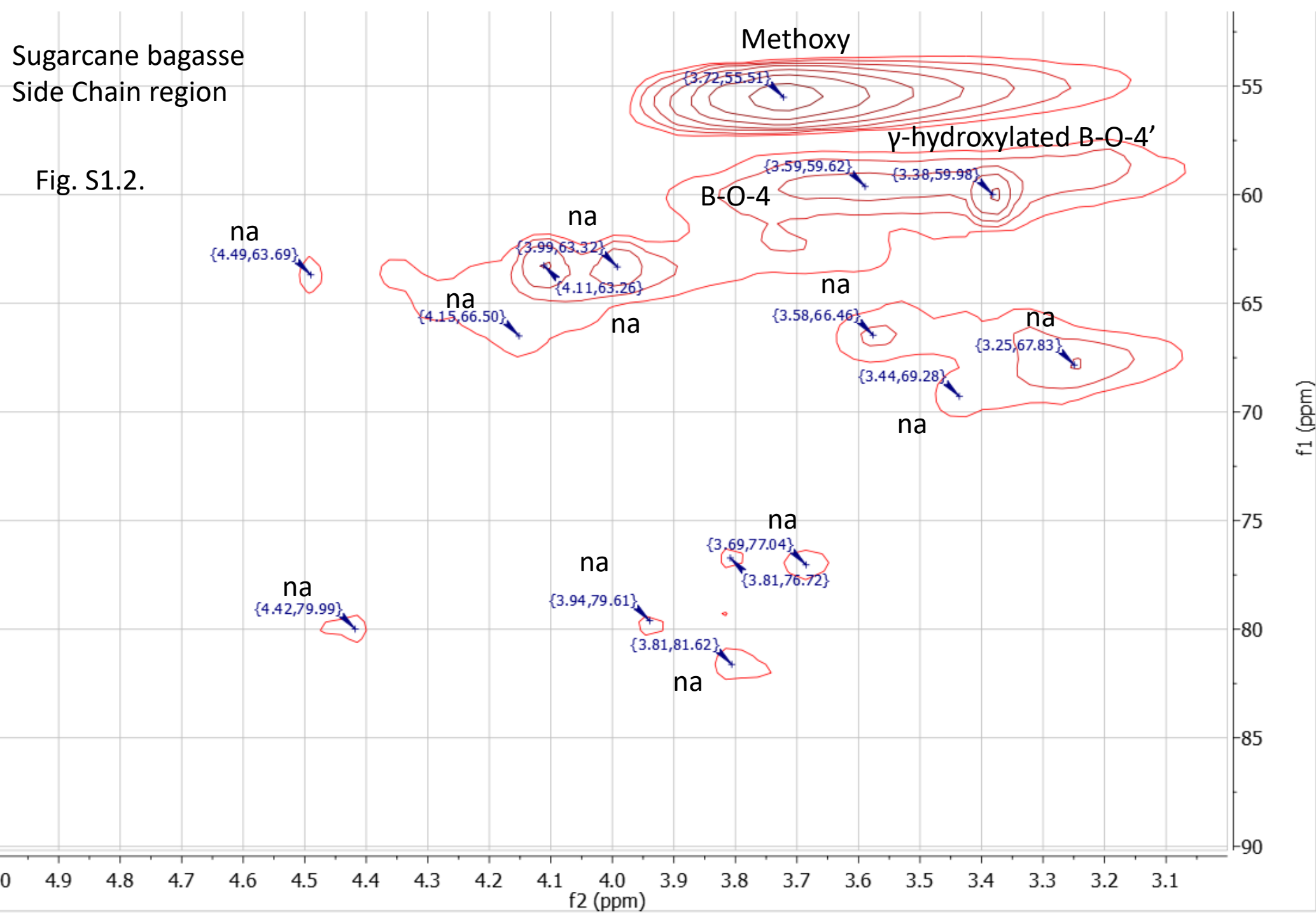
Sugarcane bagasse
Aromatic region

Fig. S1.1.



Sugarcane bagasse
Side Chain region

Fig. S1.2.



Sugarcane bagasse
Carb. region

Fig. S1.3.

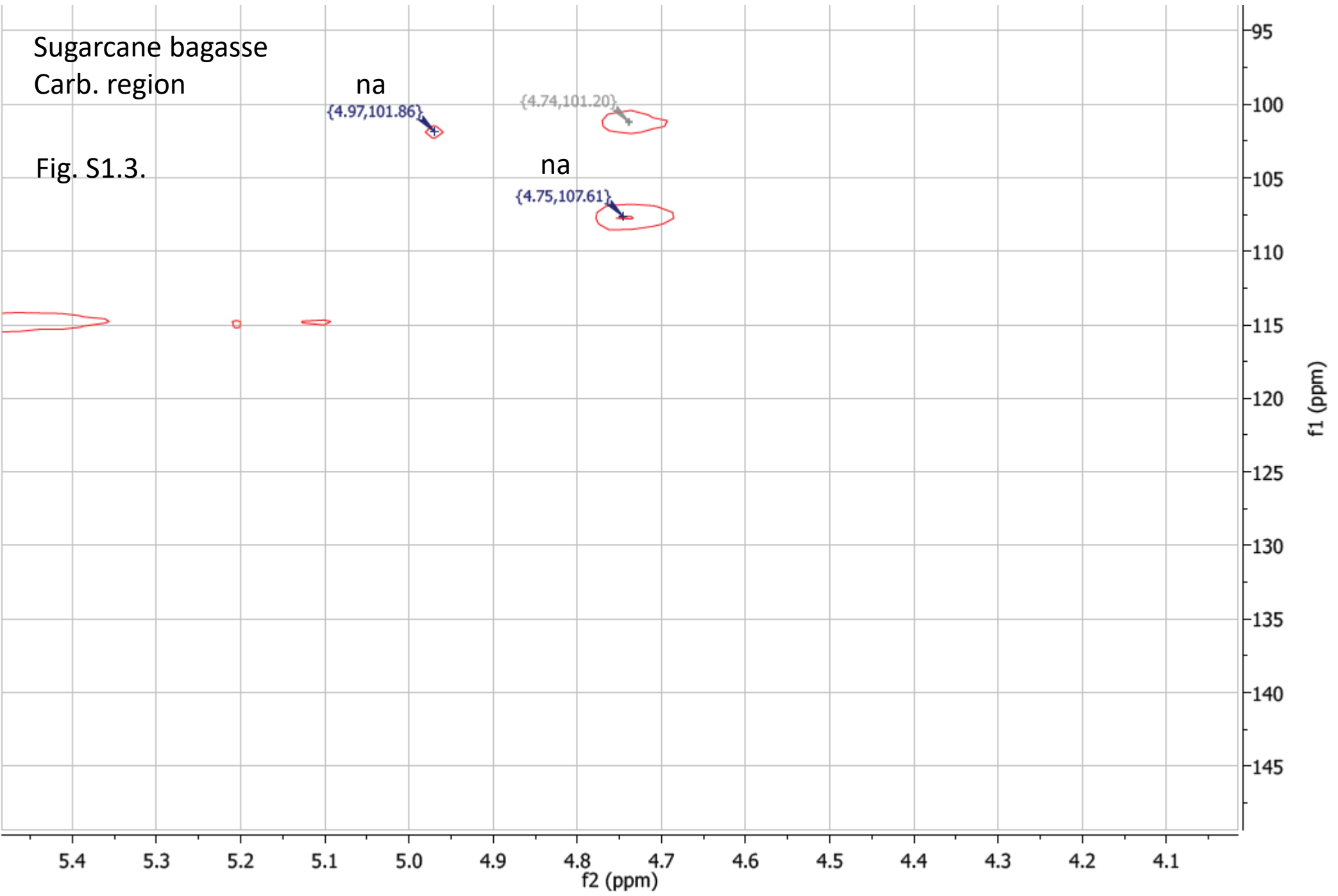
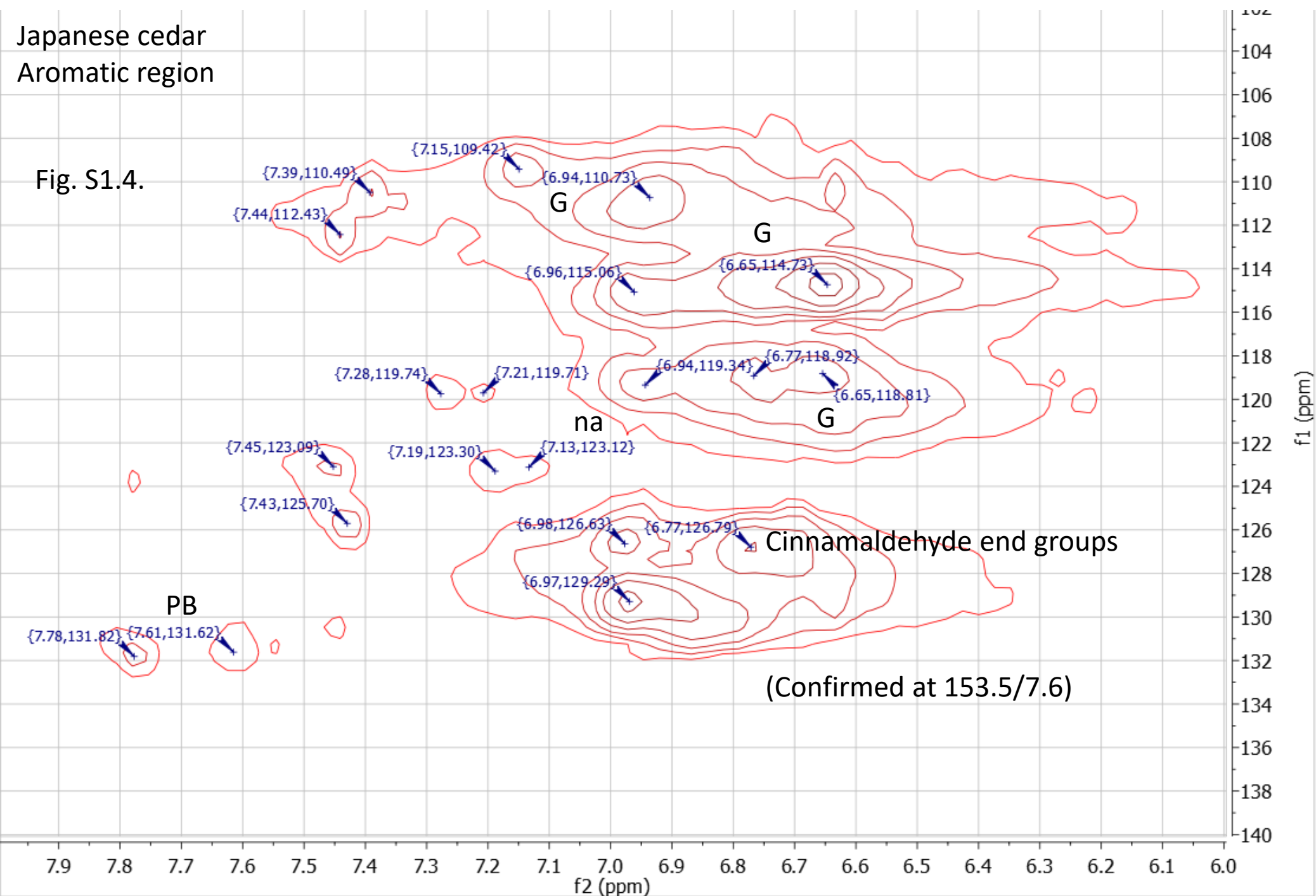
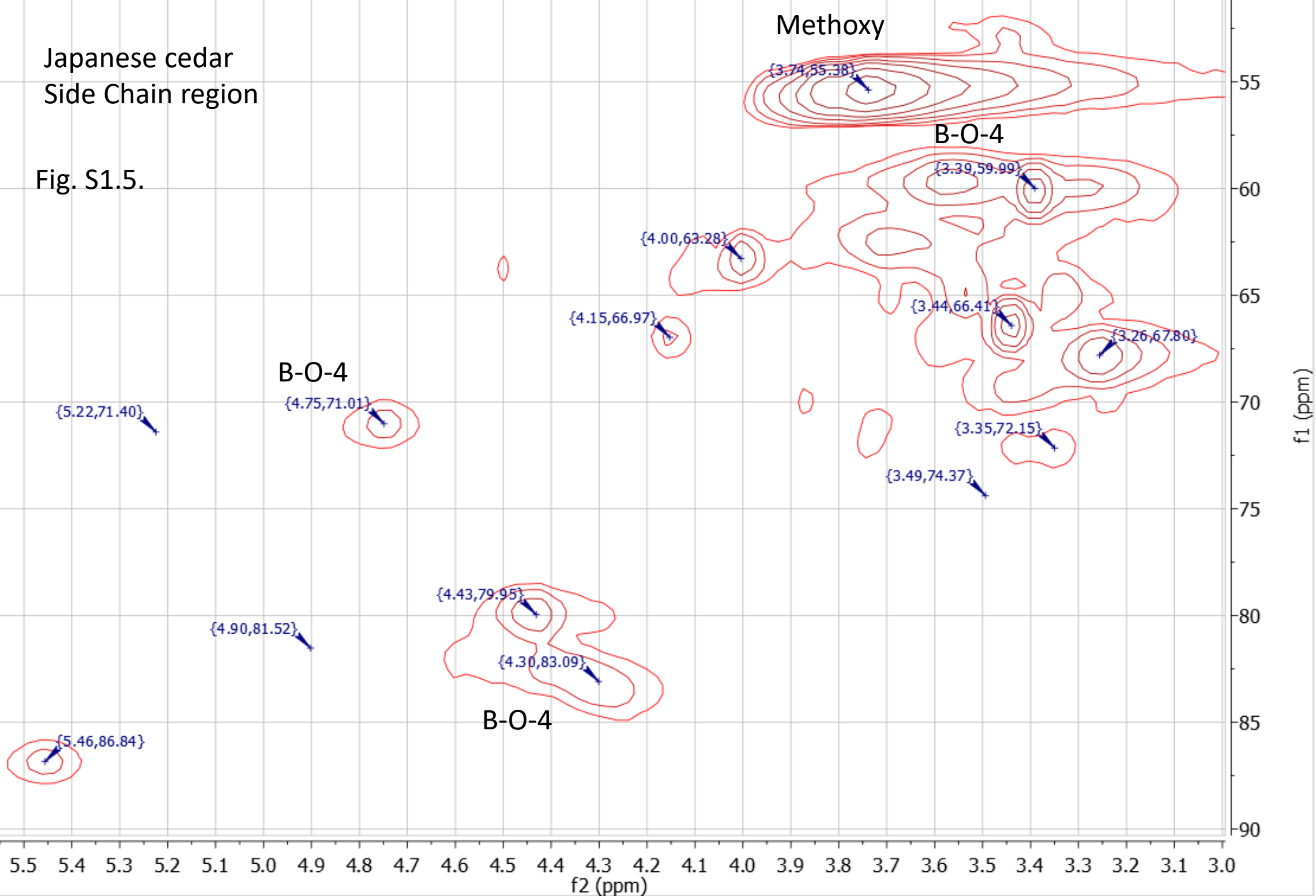


Fig. S1.4.



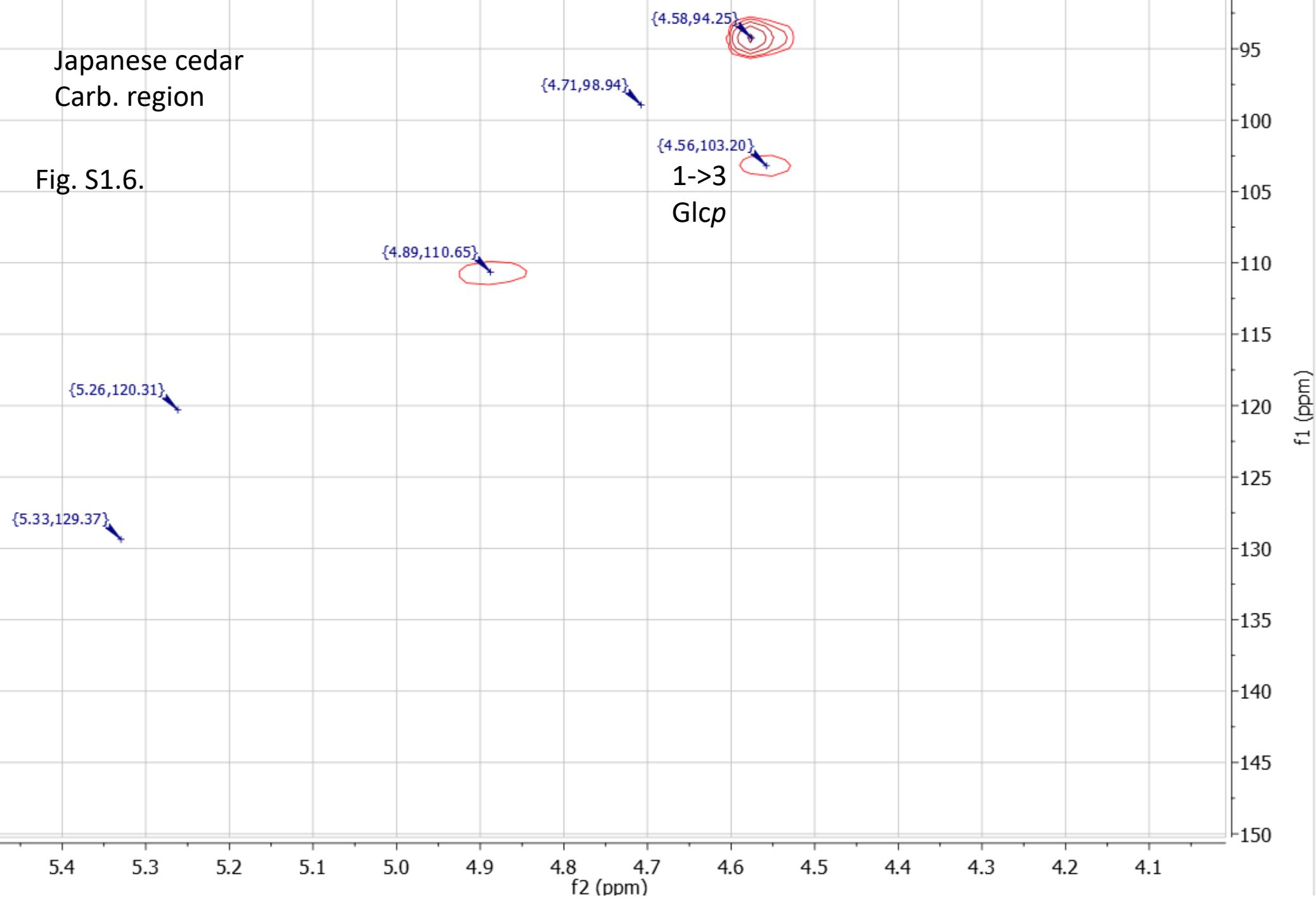
Japanese cedar
Side Chain region

Fig. S1.5.



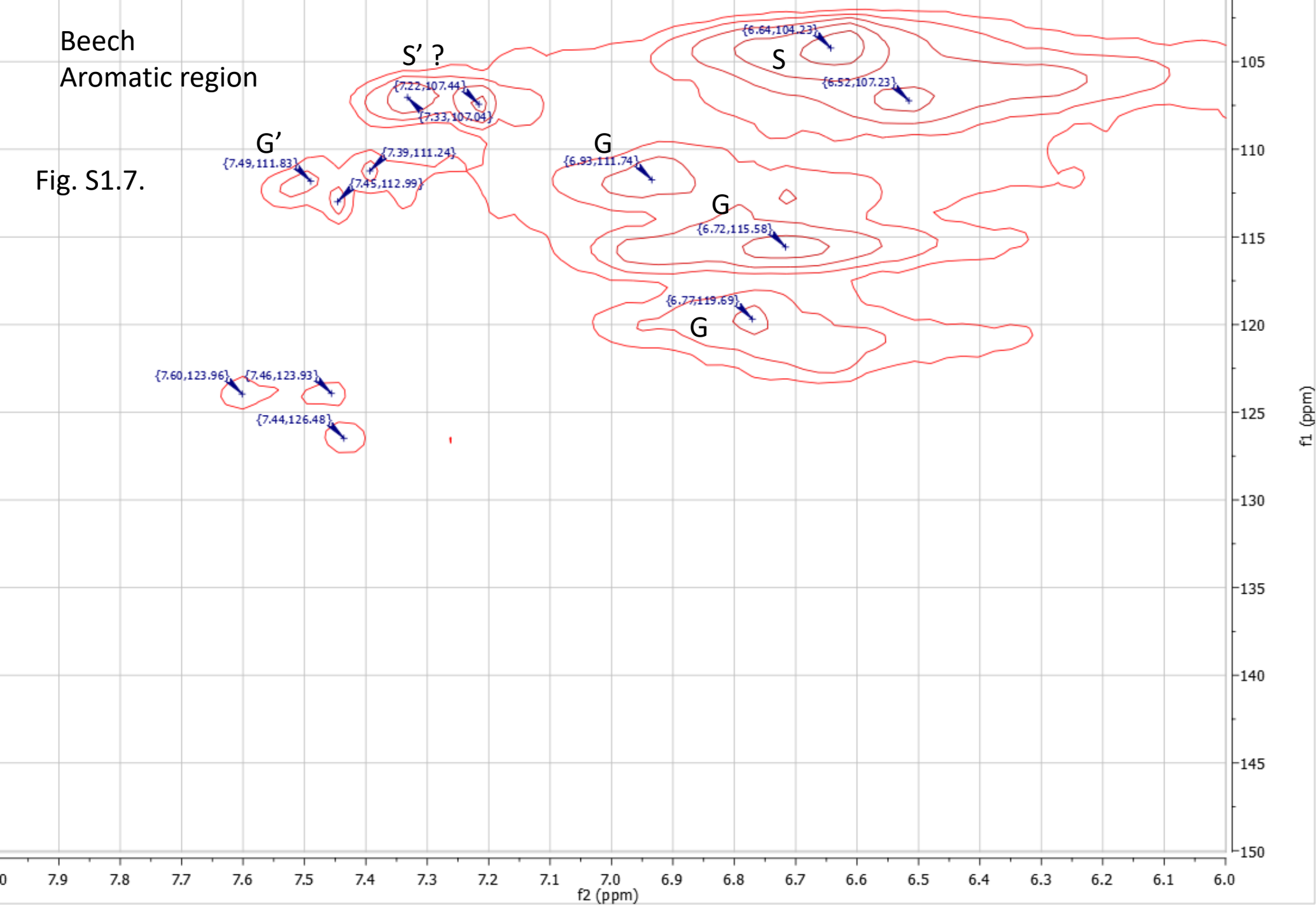
Japanese cedar
Carb. region

Fig. S1.6.



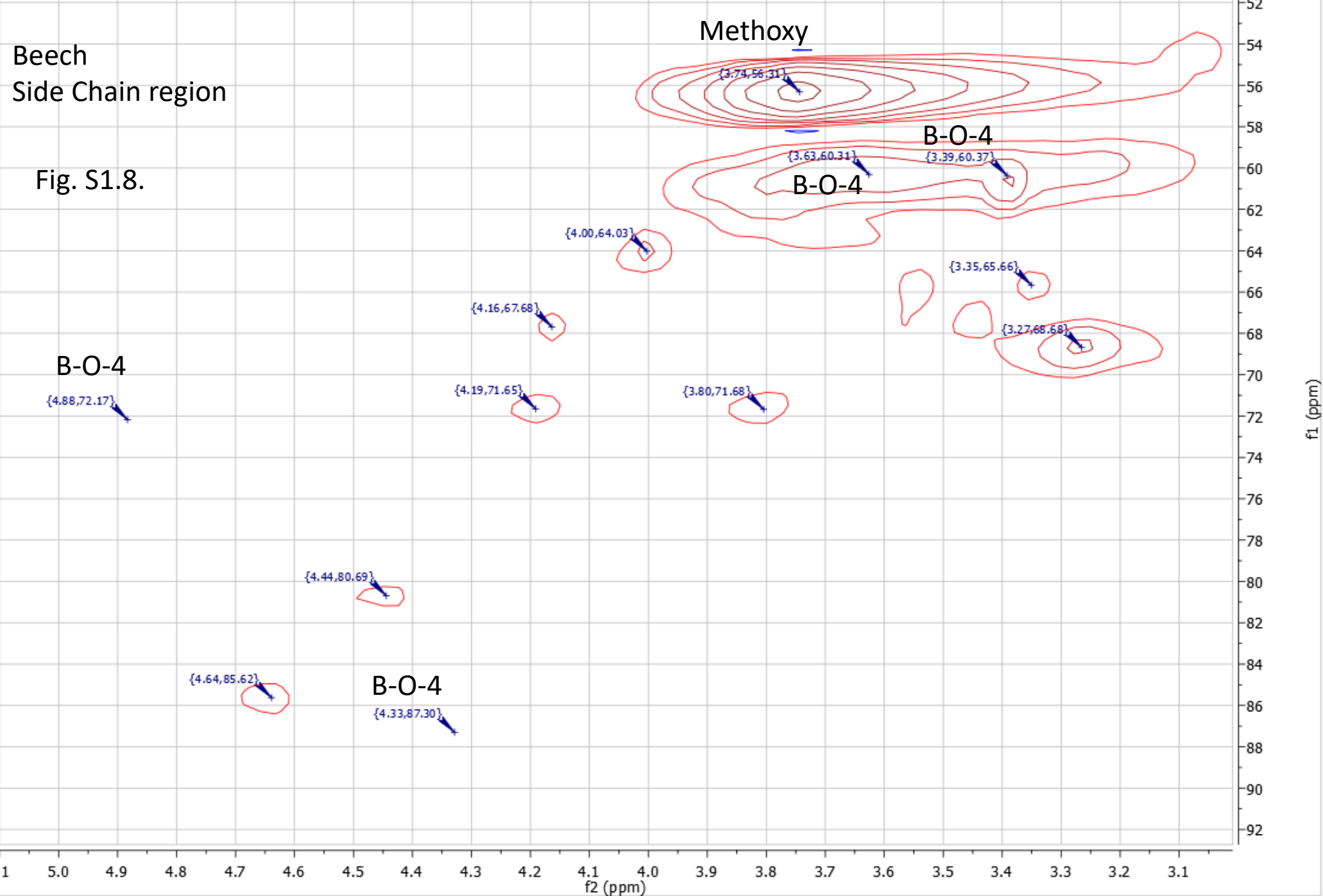
Beech
Aromatic region

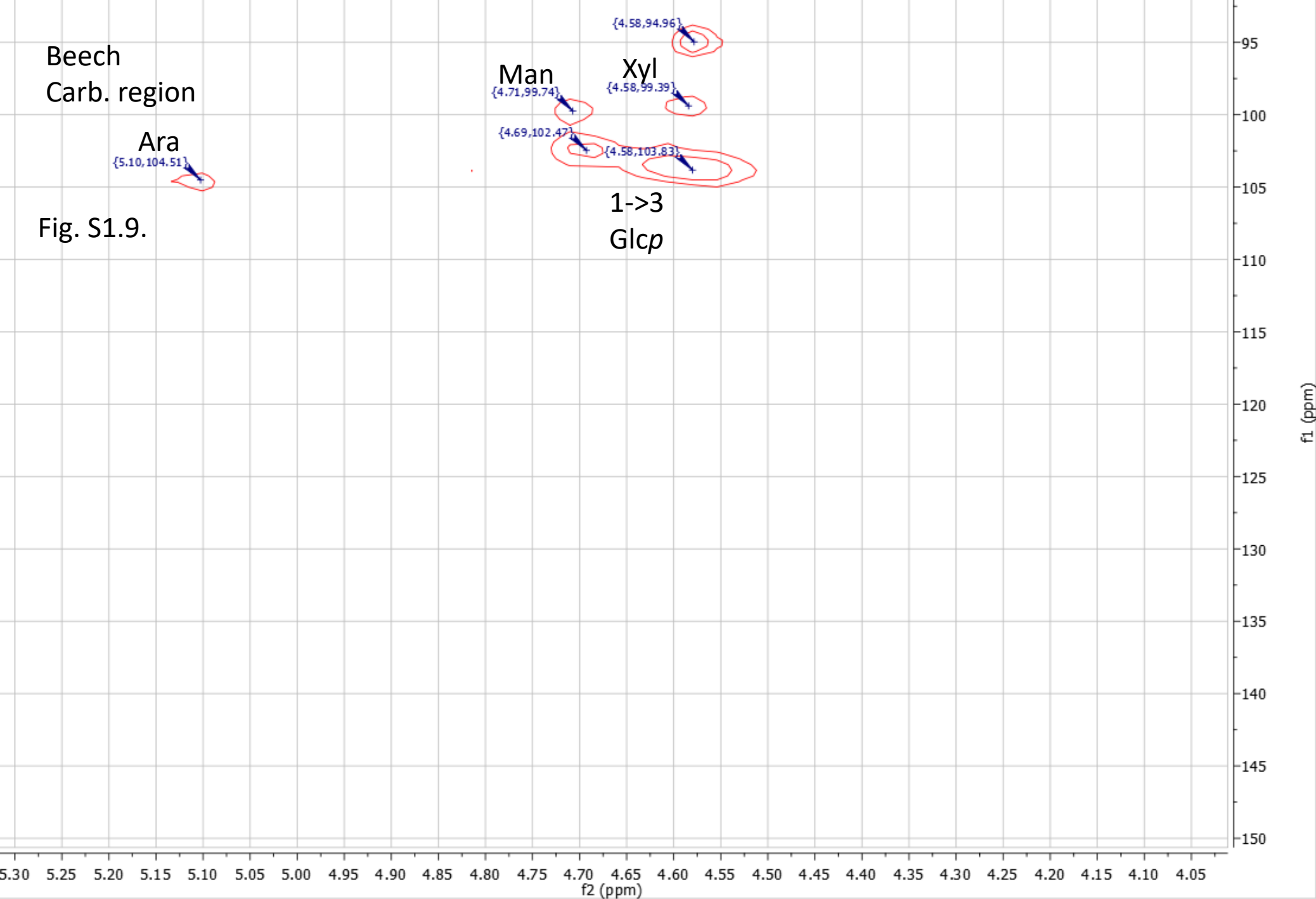
Fig. S1.7.



Beech
Side Chain region

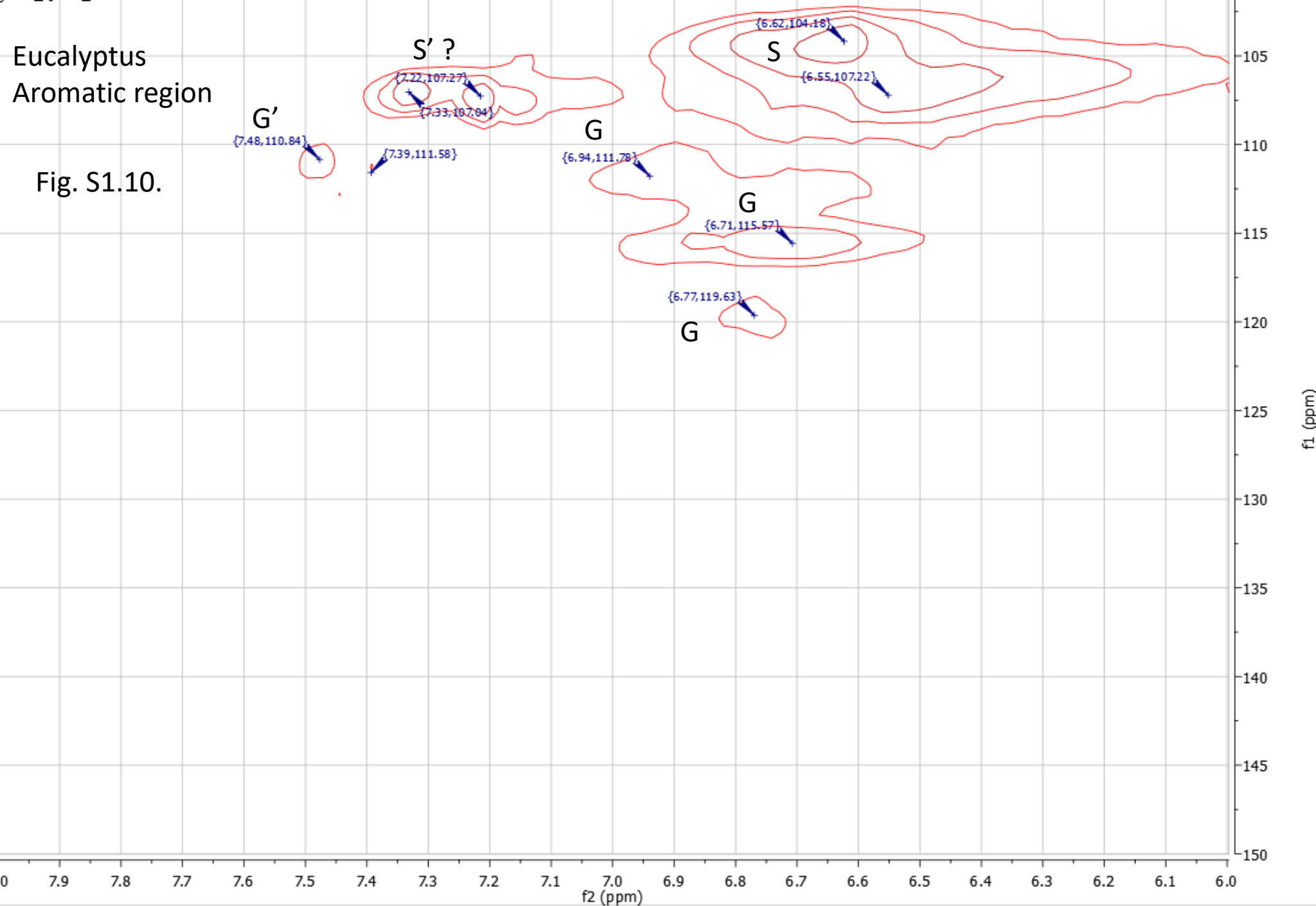
Fig. S1.8.





Eucalyptus
Aromatic region

Fig. S1.10.



Eucalyptus
Side Chain region

Fig. S1.11.

B-O-4

Methoxy

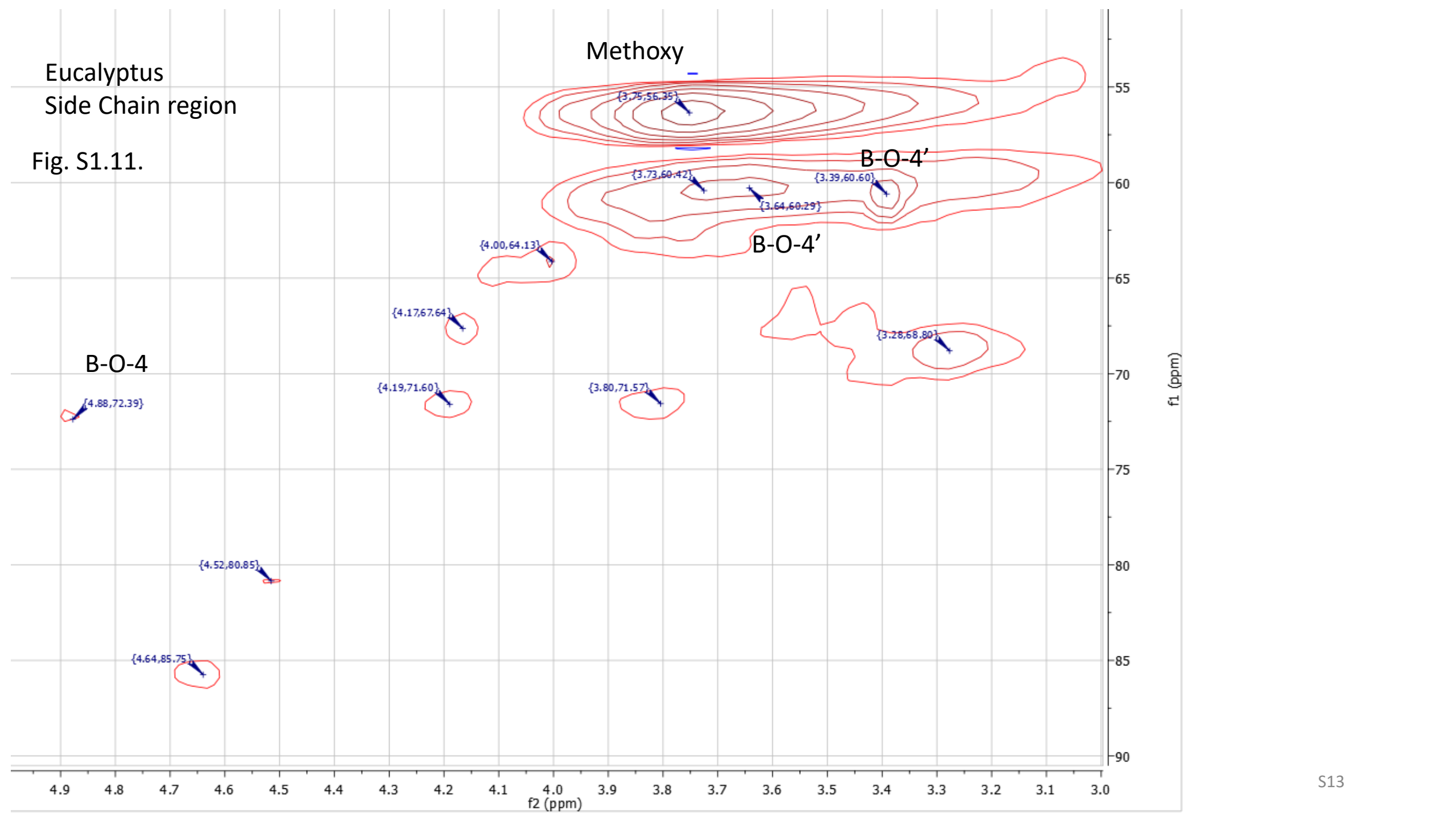
B-O-4'

B-O-4'

4.9 4.8 4.7 4.6 4.5 4.4 4.3 4.2 4.1 4.0 3.9 3.8 3.7 3.6 3.5 3.4 3.3 3.2 3.1 3.0

f2 (ppm)

f1 (ppm)



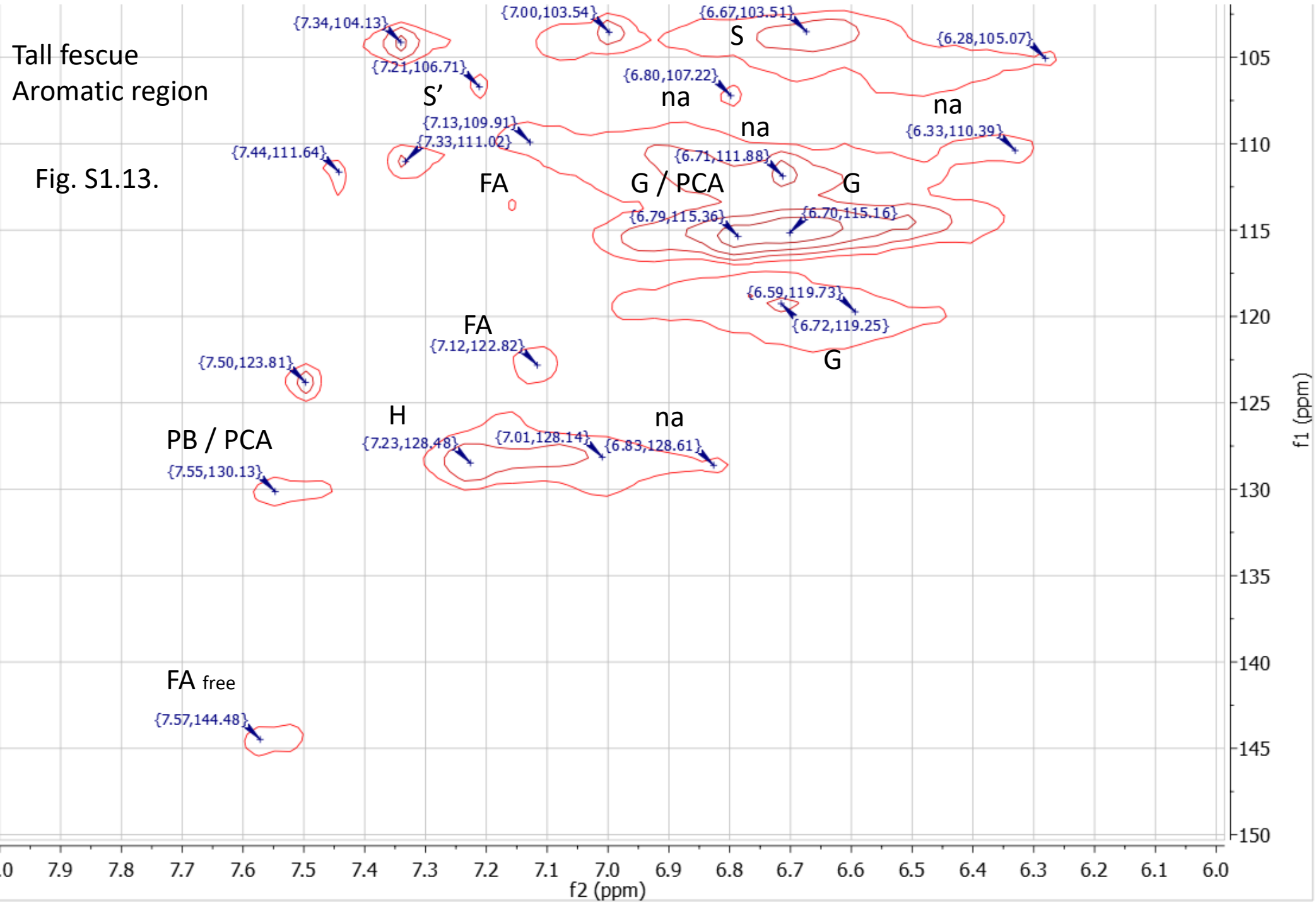
Eucalyptus
Carb. region

{5.35,102.43}
Ara

Man {4.71,99.85}
1->3 {4.69,102.36}
Glc
Xyl {4.59,99.40} {4.58,94.86}

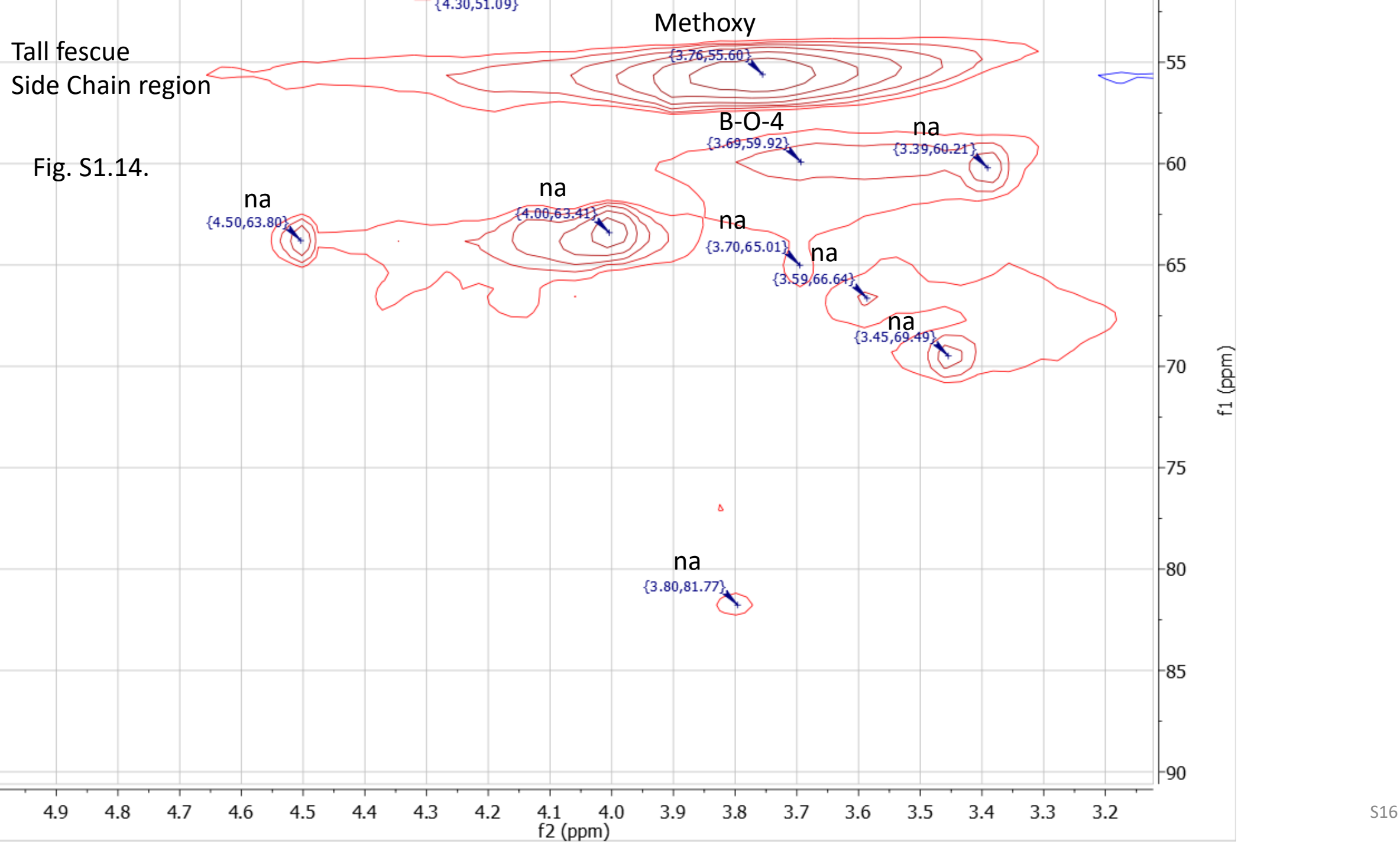
Fig. S1.12.

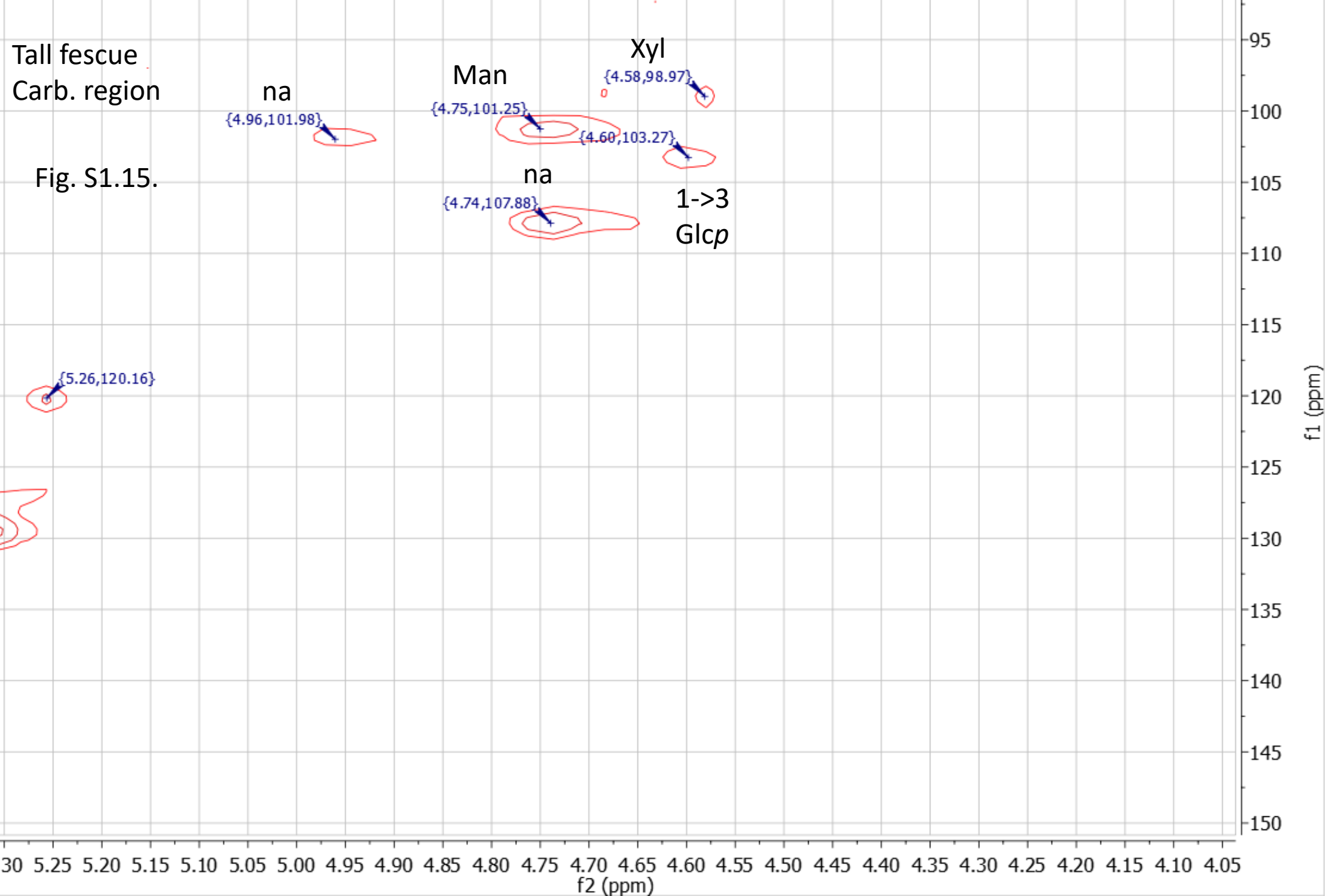




Tall fescue
Side Chain region

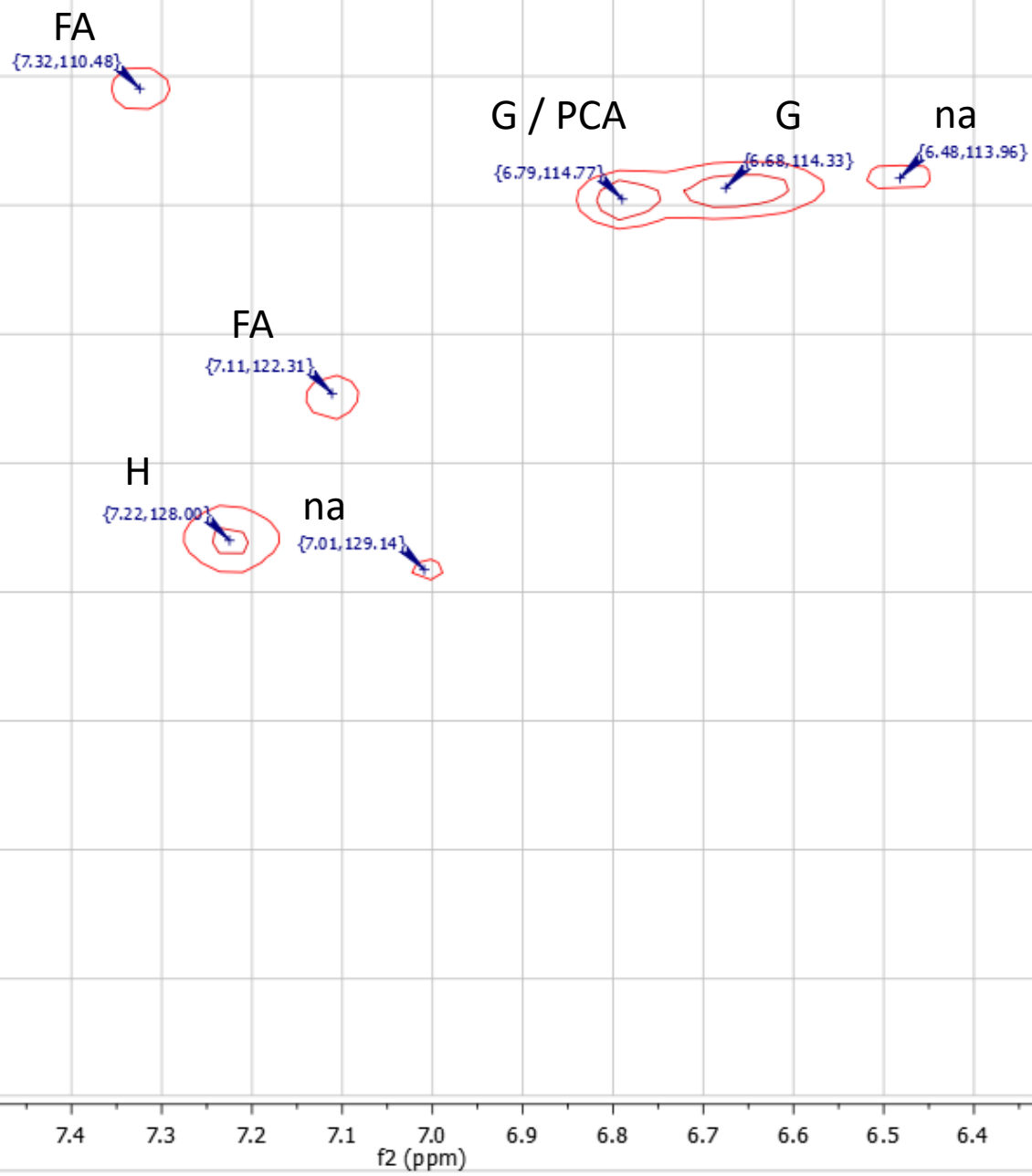
Fig. S1.14.





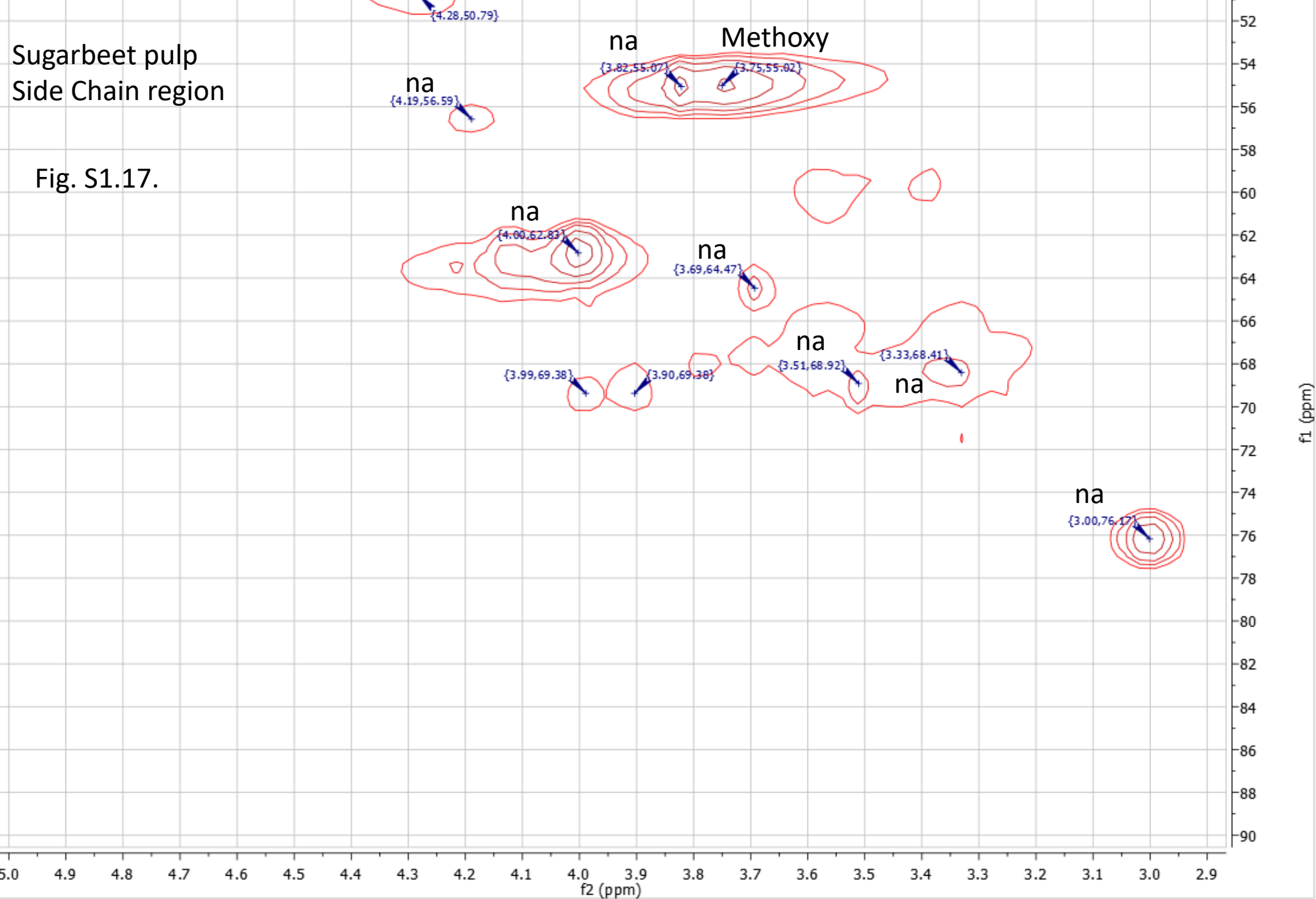
Sugarbeet pulp
Aromatic. region

Fig. S1.16.



Sugarbeet pulp
Side Chain region

Fig. S1.17.



Sugarbeet pulp
Carb. region

Fig. S1.18.

