

Outline Assessment

Generated: Oct 18 2020 18:31

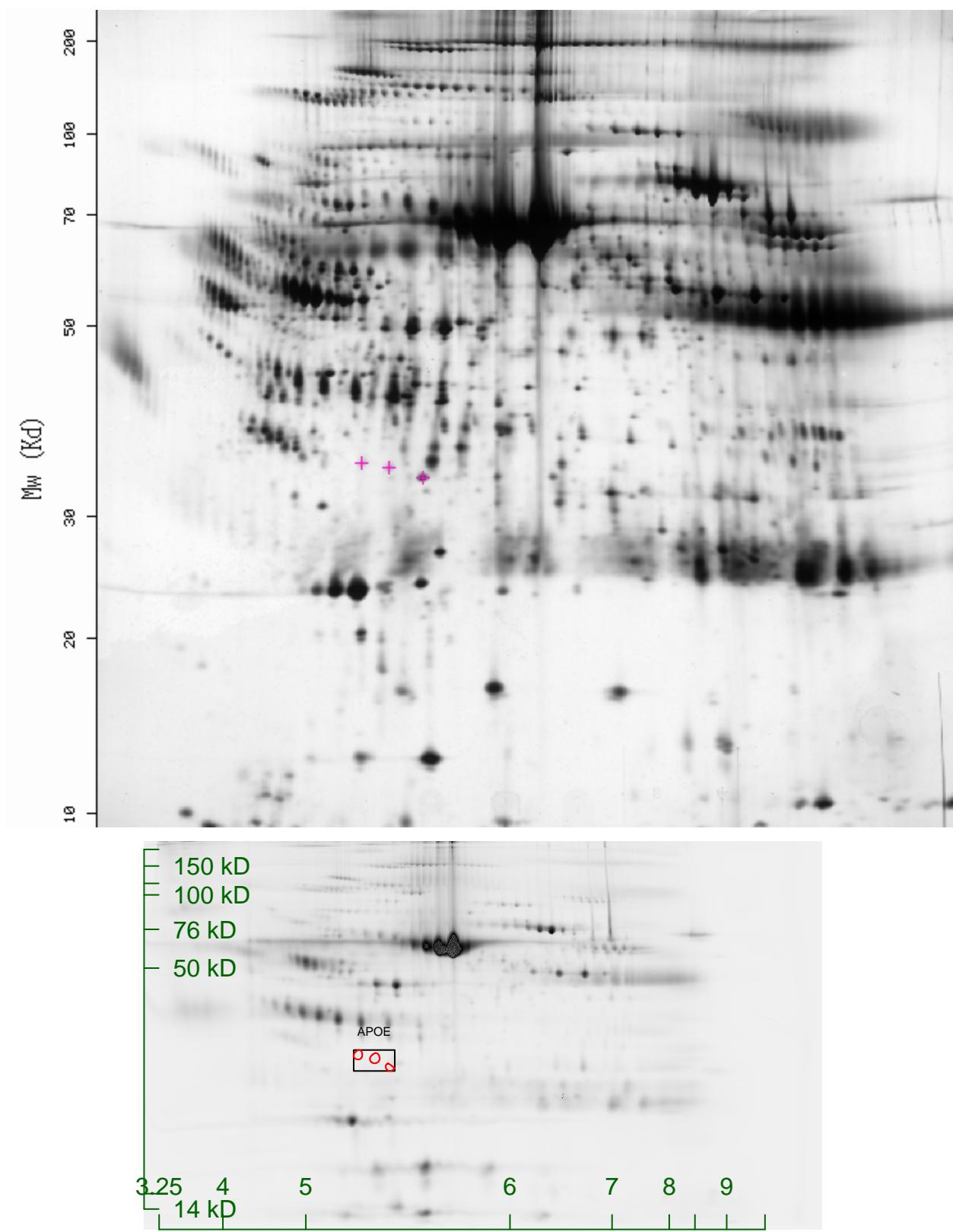
1 Overview

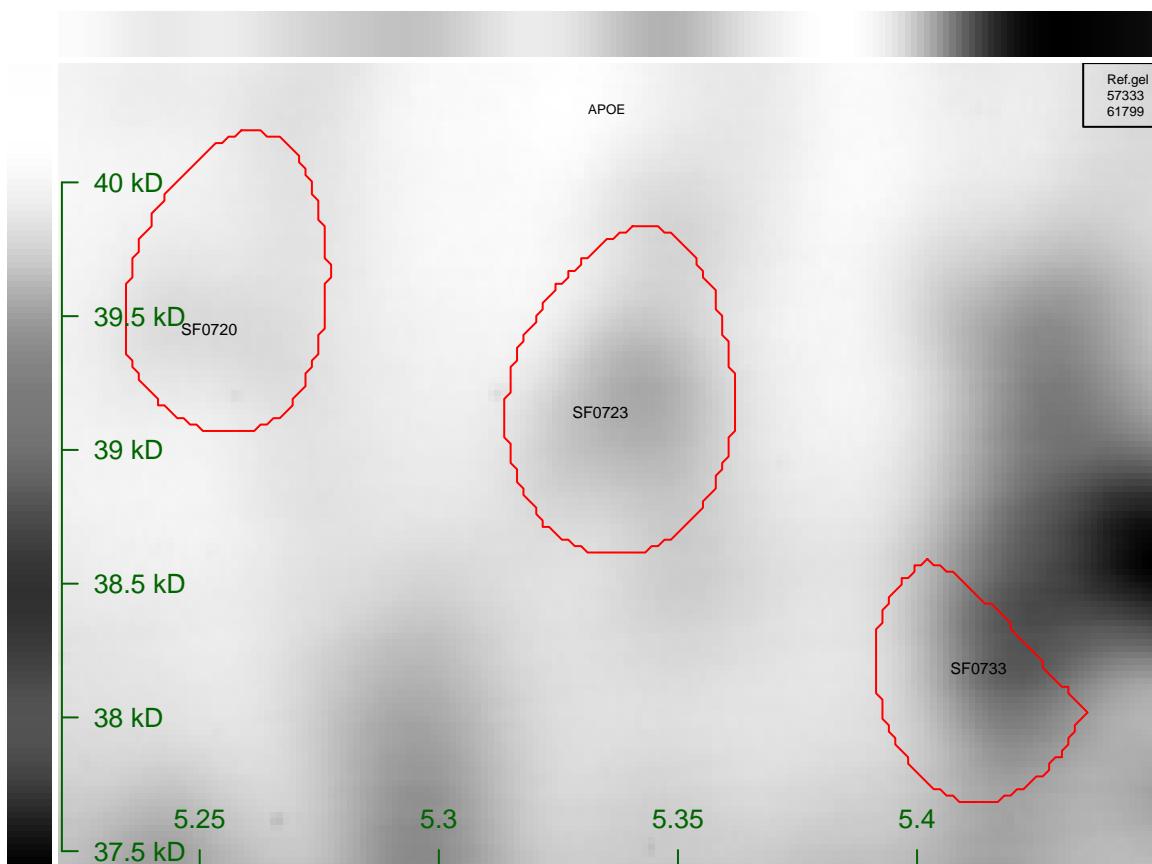
This report is a technical output used to assess various outline groups and where we may wish to improve or include them in the main reports.

Sometimes the outlines shown in the 'all in area' views may have been added to monitor QC issues and not necessarily to contain a spot feature.

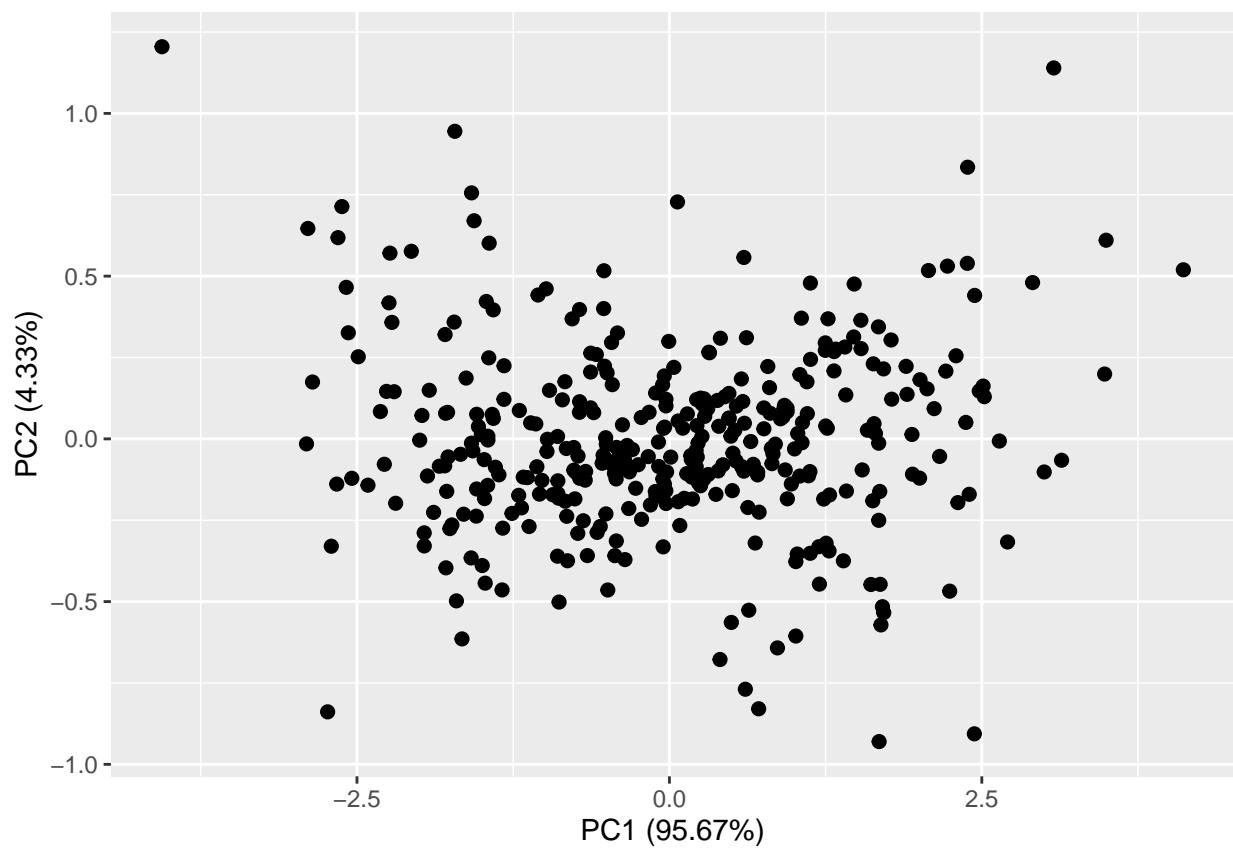
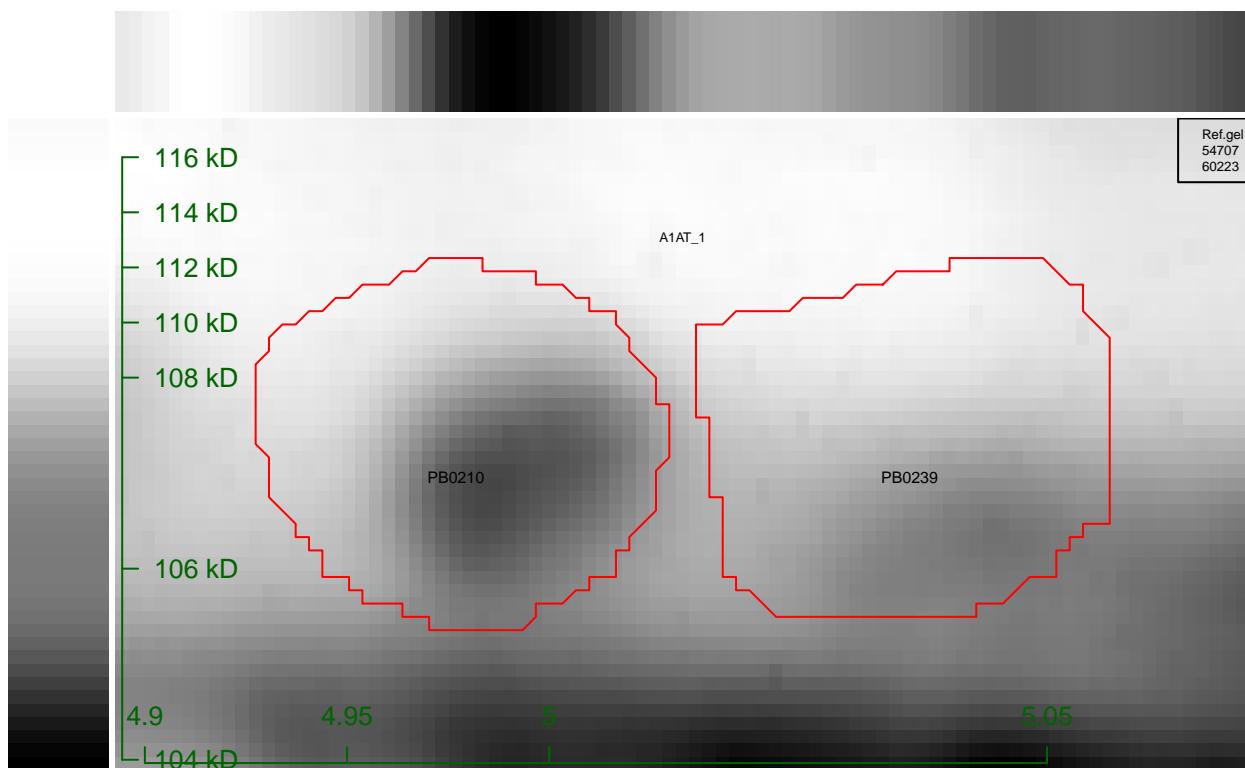
Each (sub)cluster entry shows zoomed in outliers and the first two principle components of the cluster features across 363 clinical samples. The clustering of spots could be phenotypes, clinical modulation of the features or technical issues. Coloured dots on the PCA plots show the locations of manually selected centroid examples. Gel patches we show the examples in this case. Clusters with the additional analysis are marked with (**Cluster**).

The clusters presented are based on a historic manual mapping to SwissProt (e.g. for APOE)

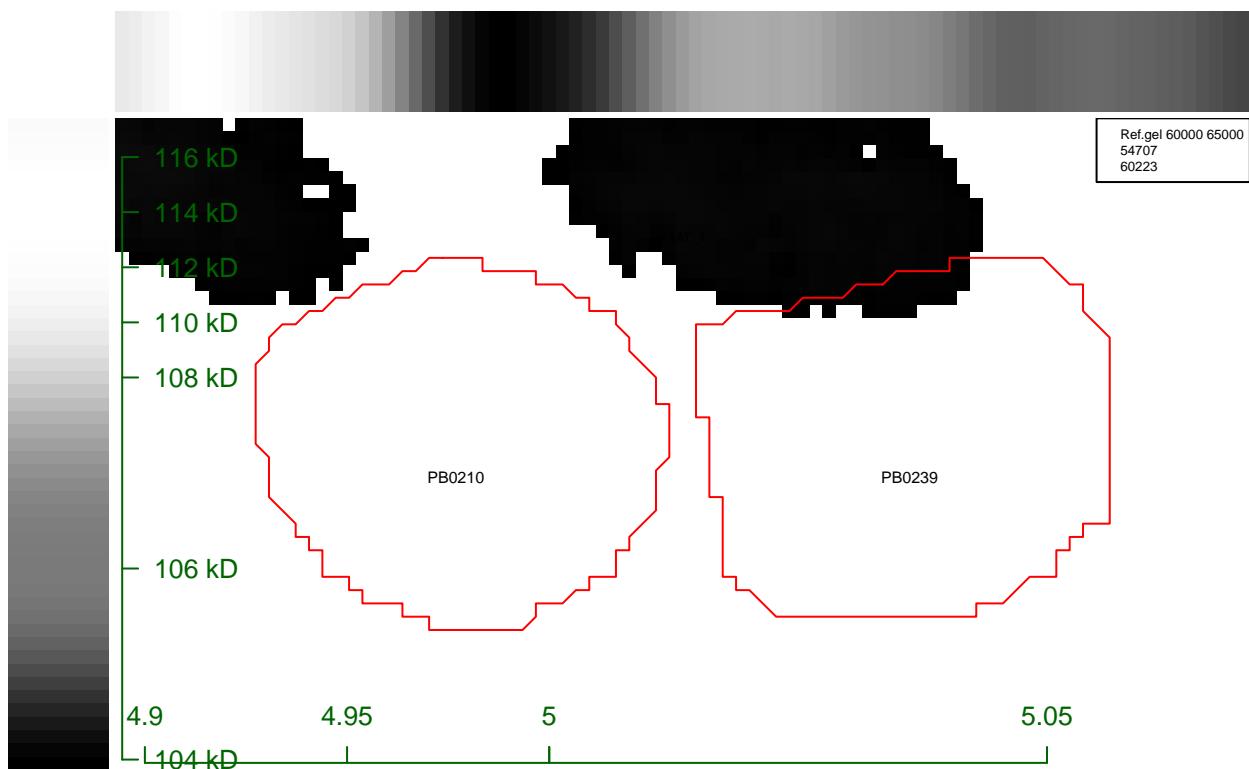




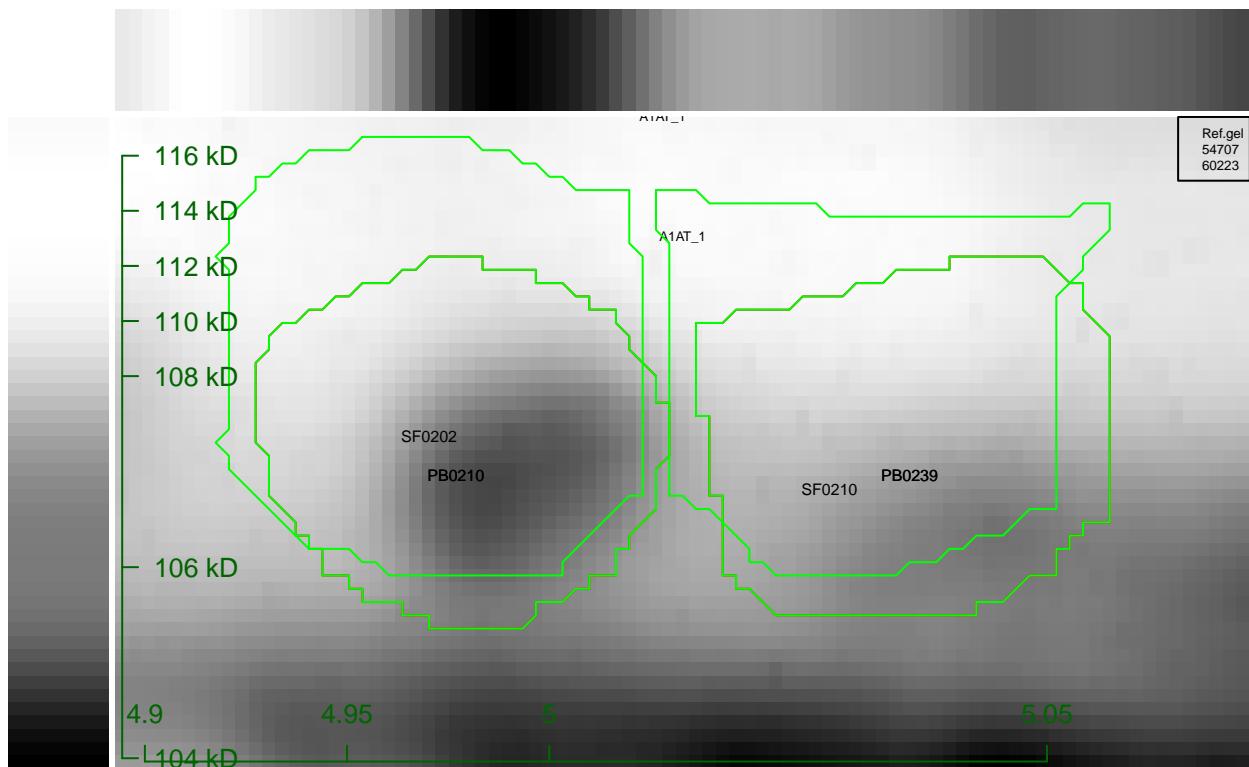
2 A1AT_1

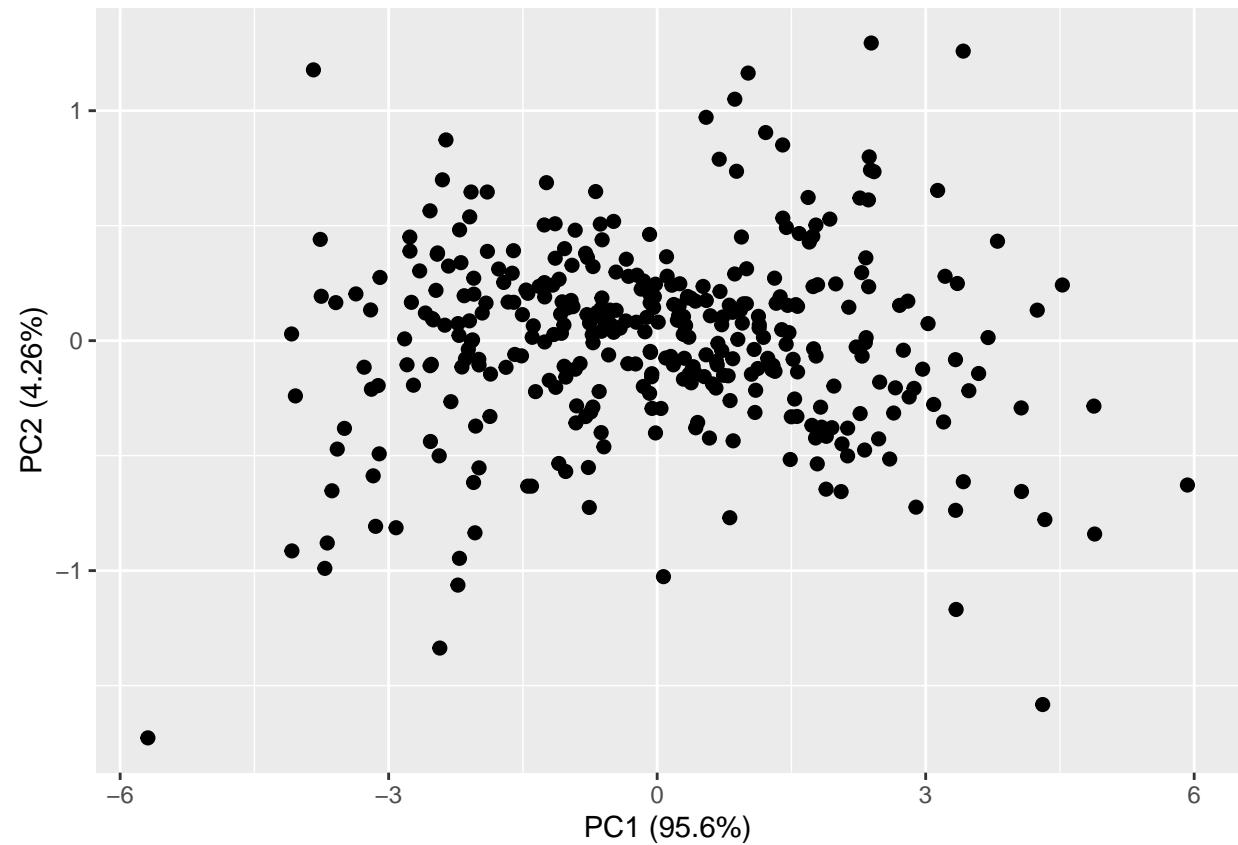


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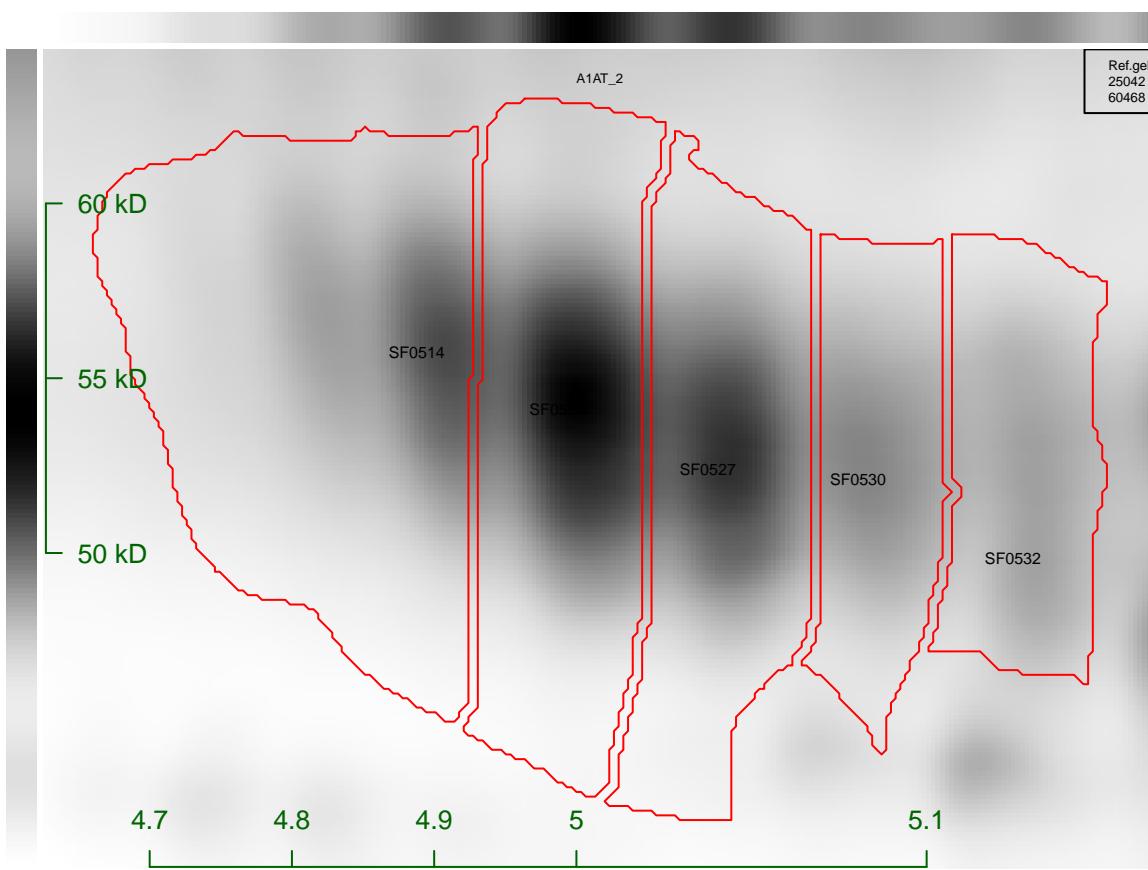


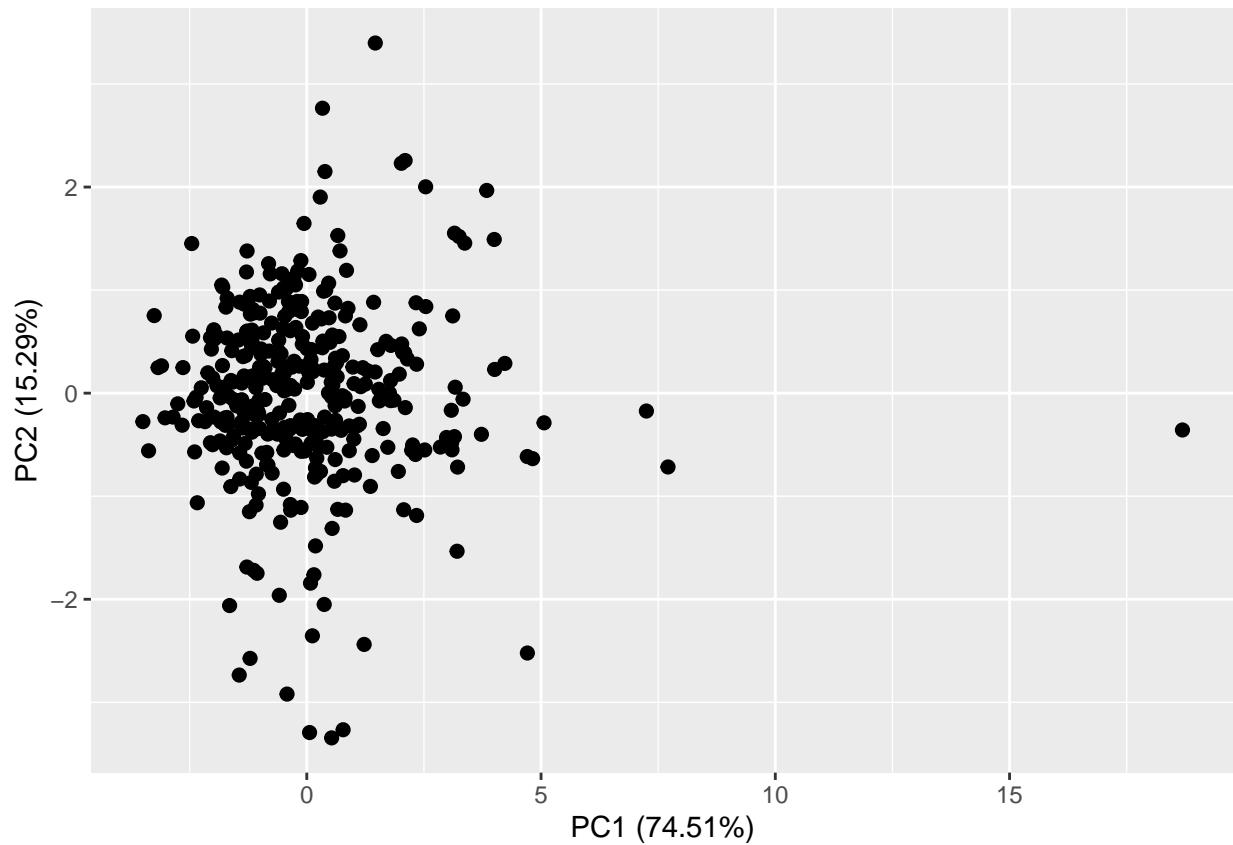
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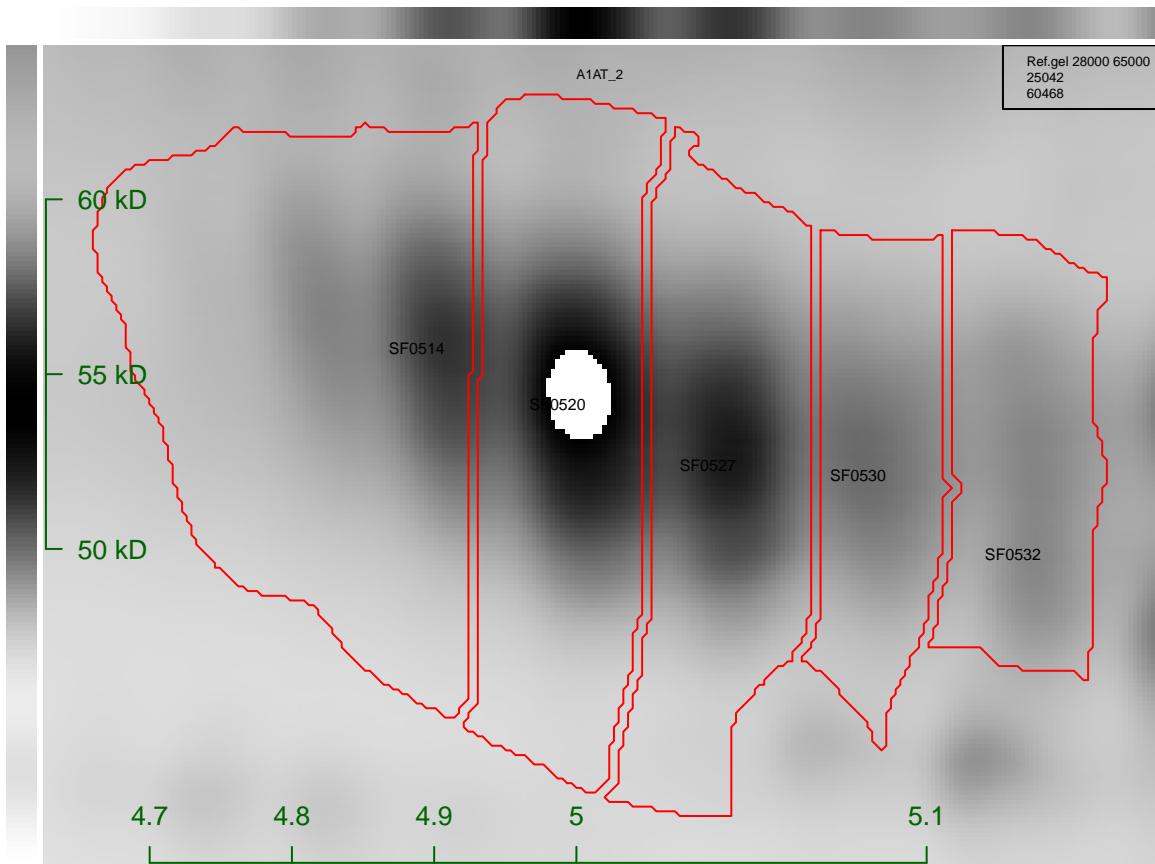


3 A1AT_2

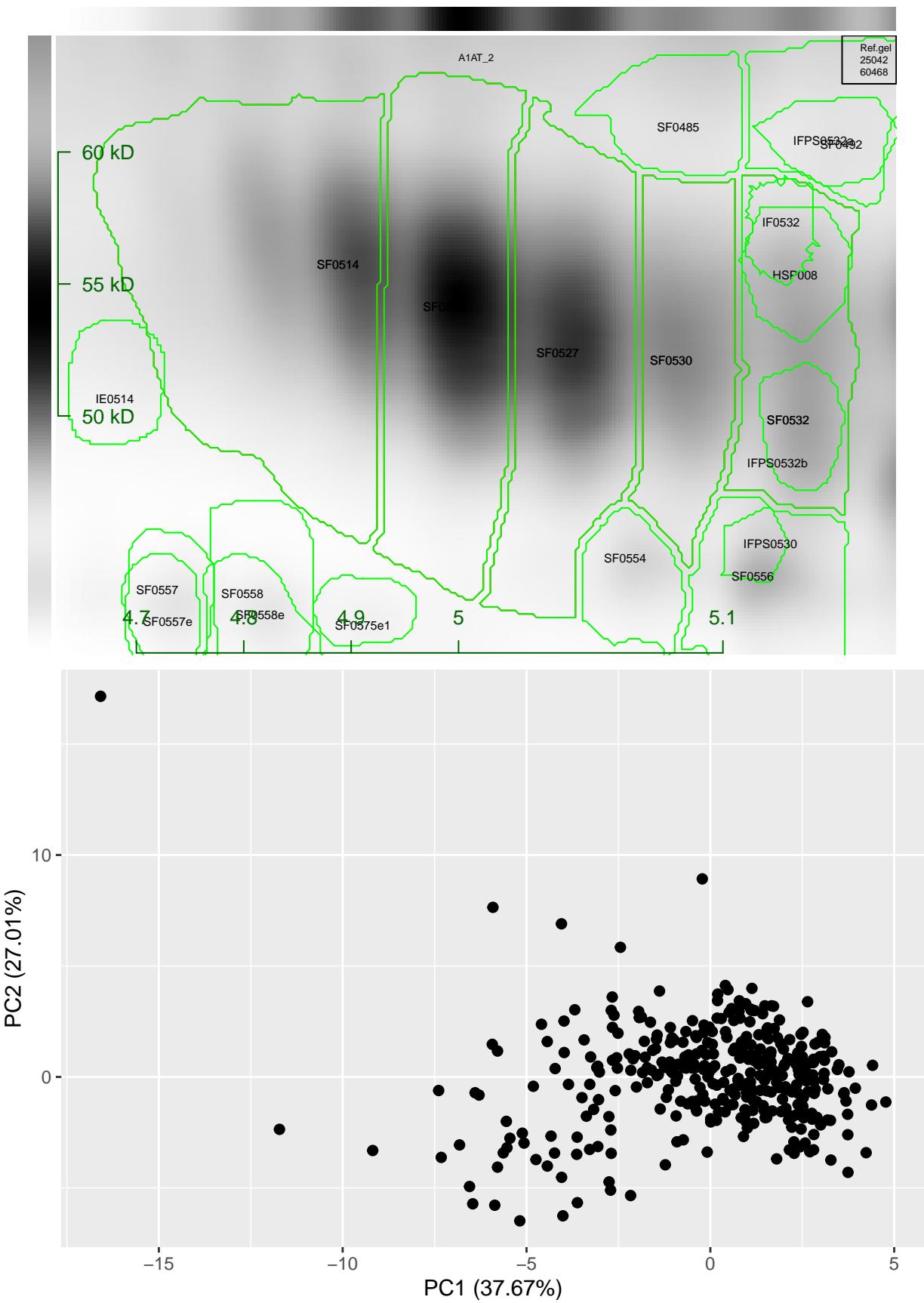




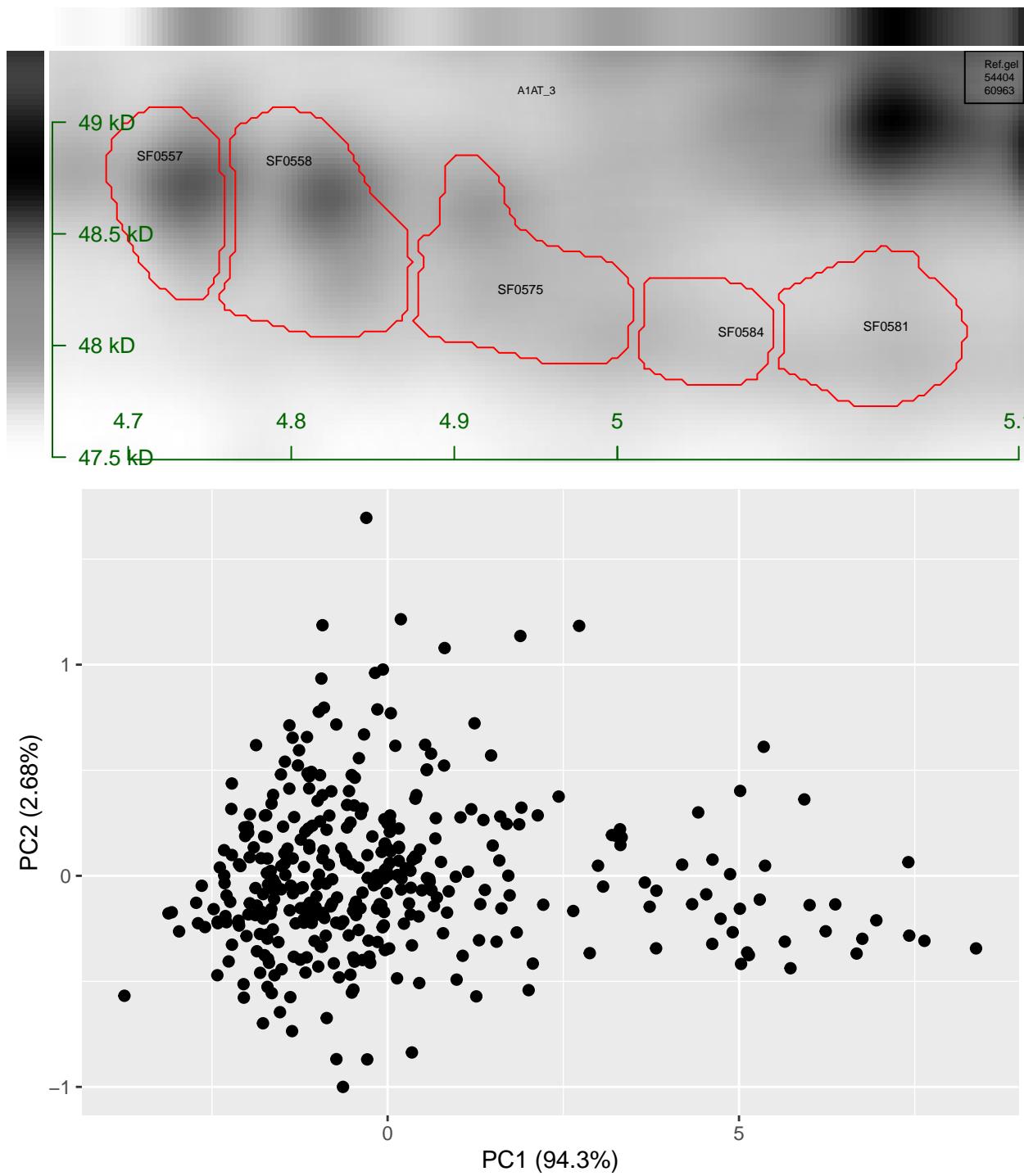
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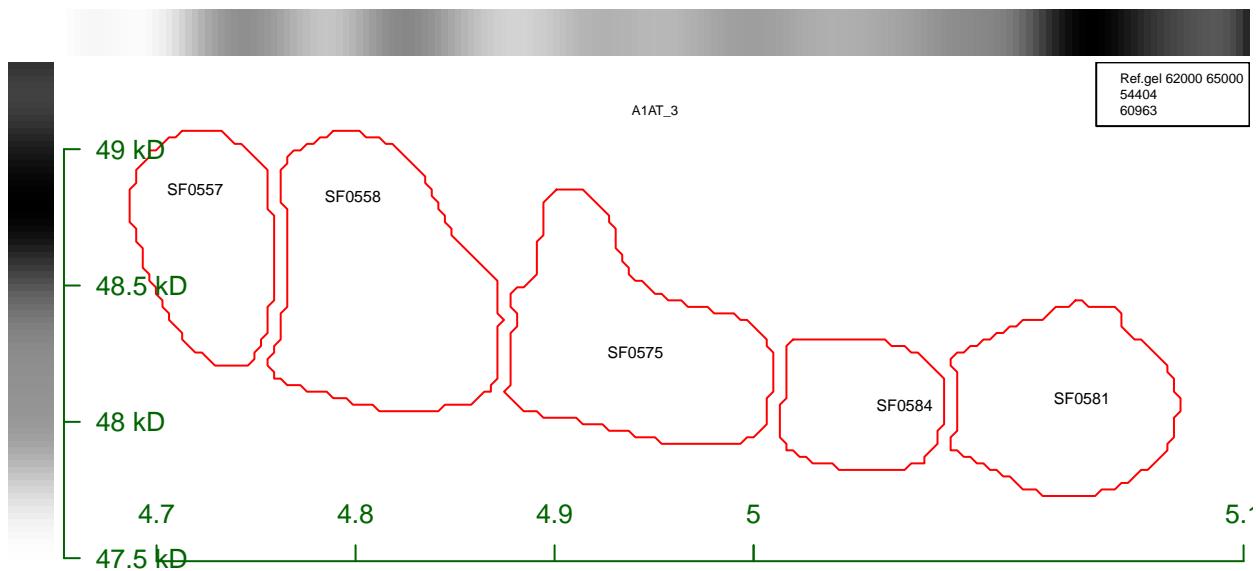
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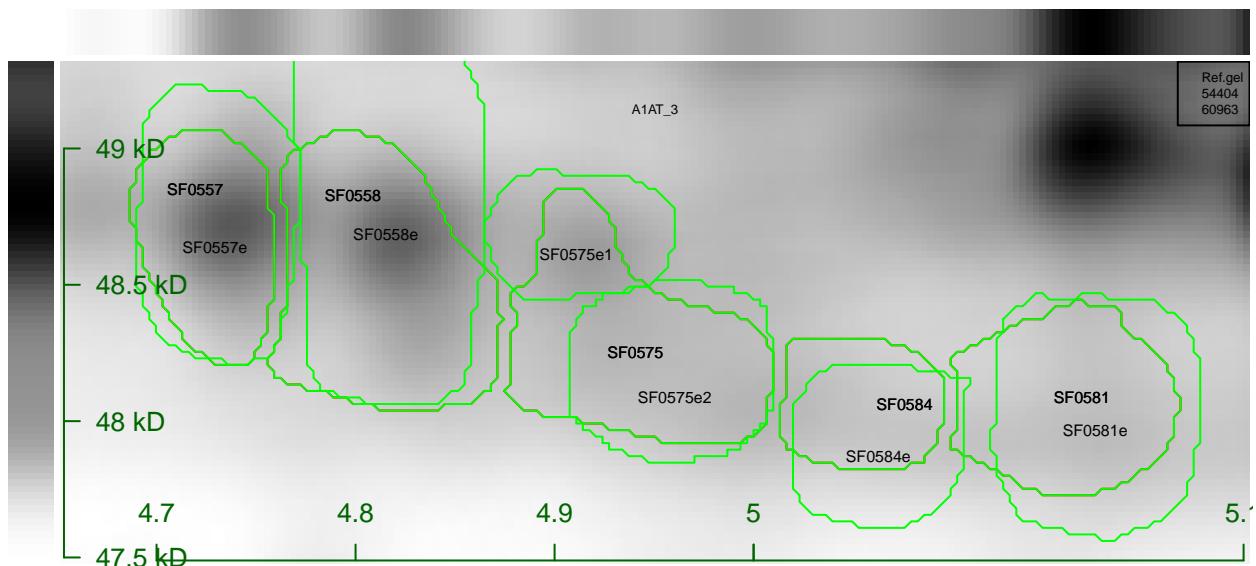
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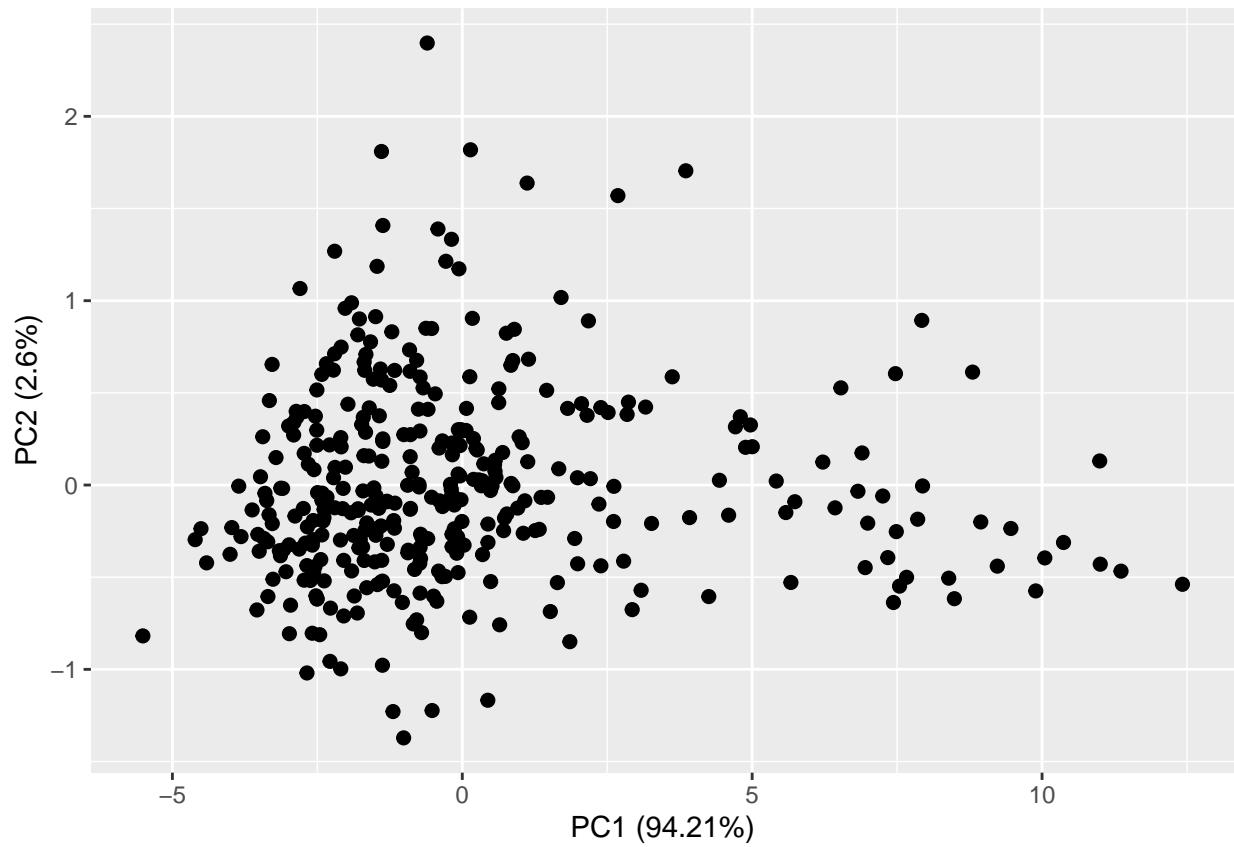


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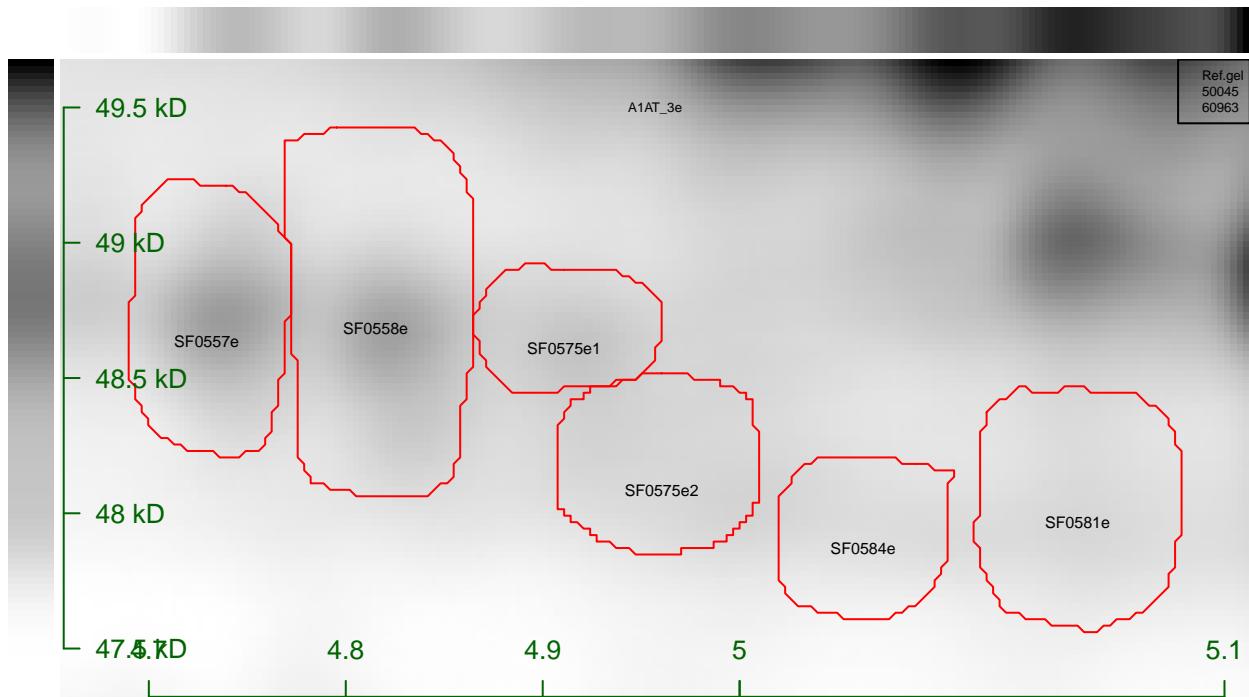


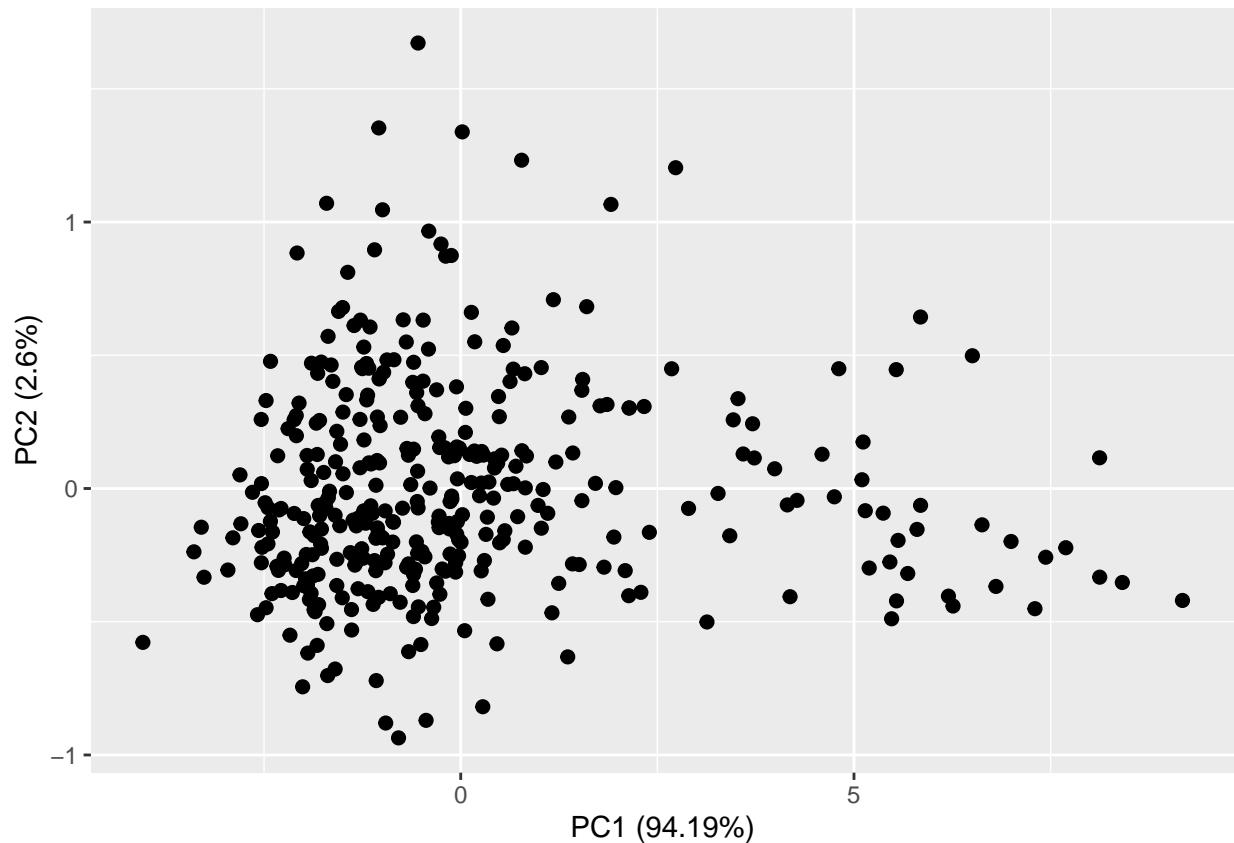
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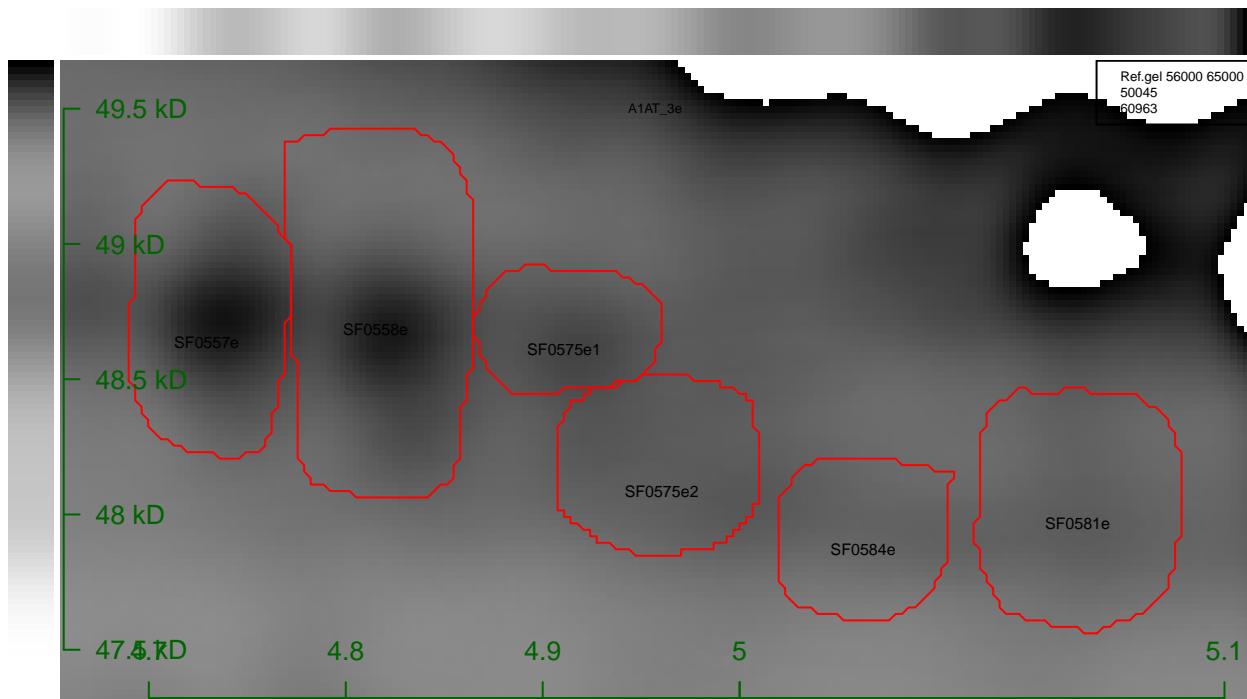


5 A1AT_3e

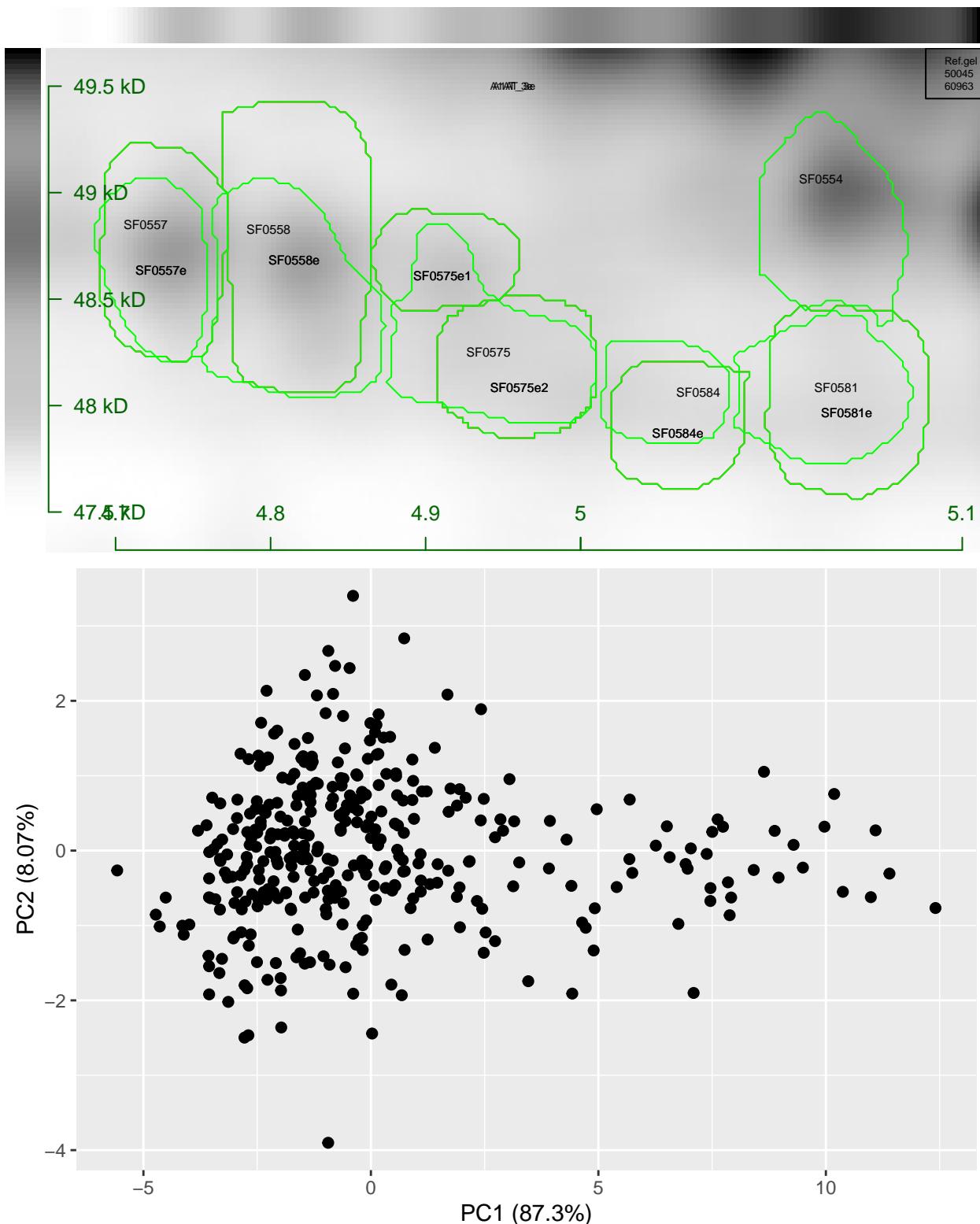




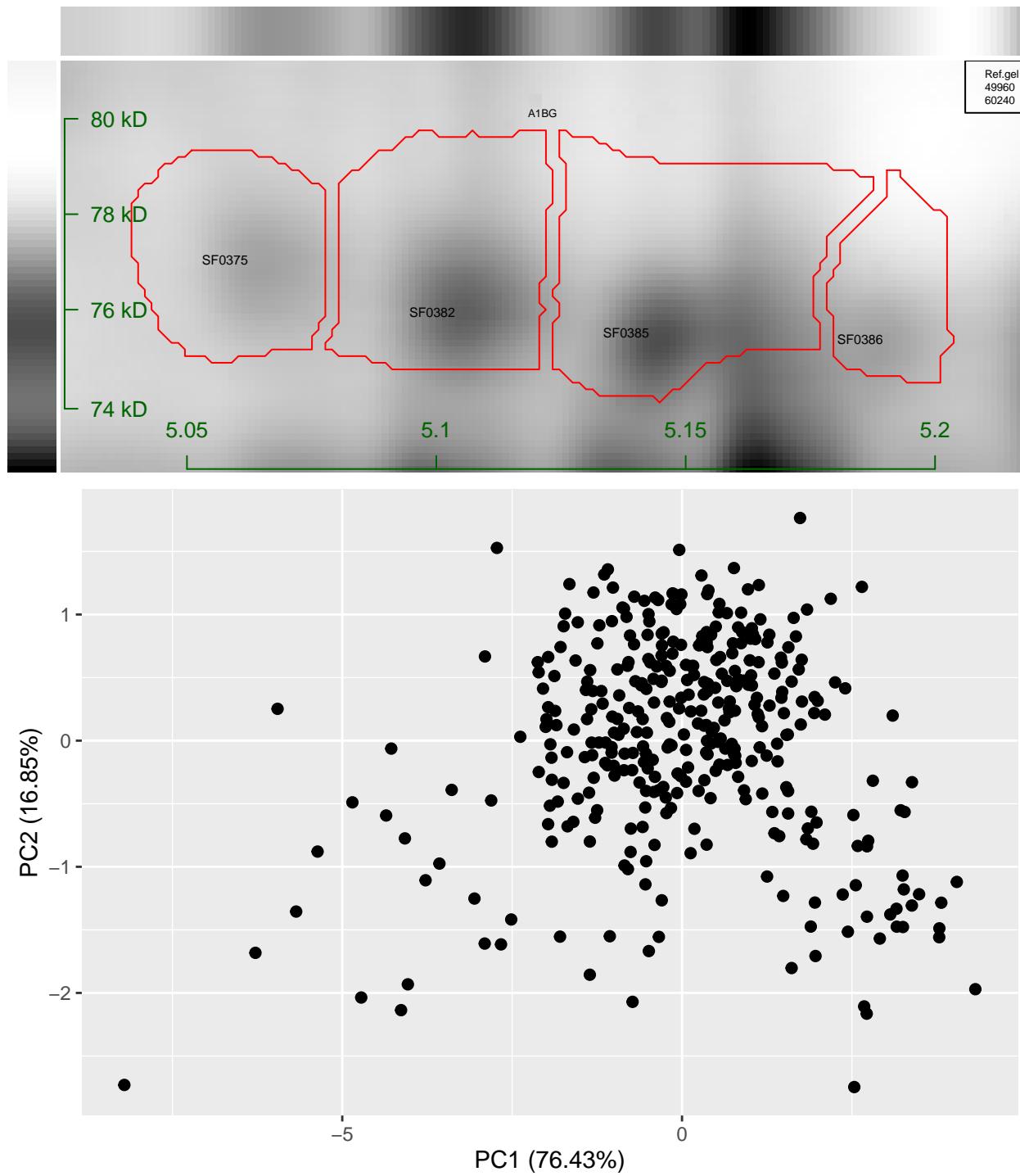
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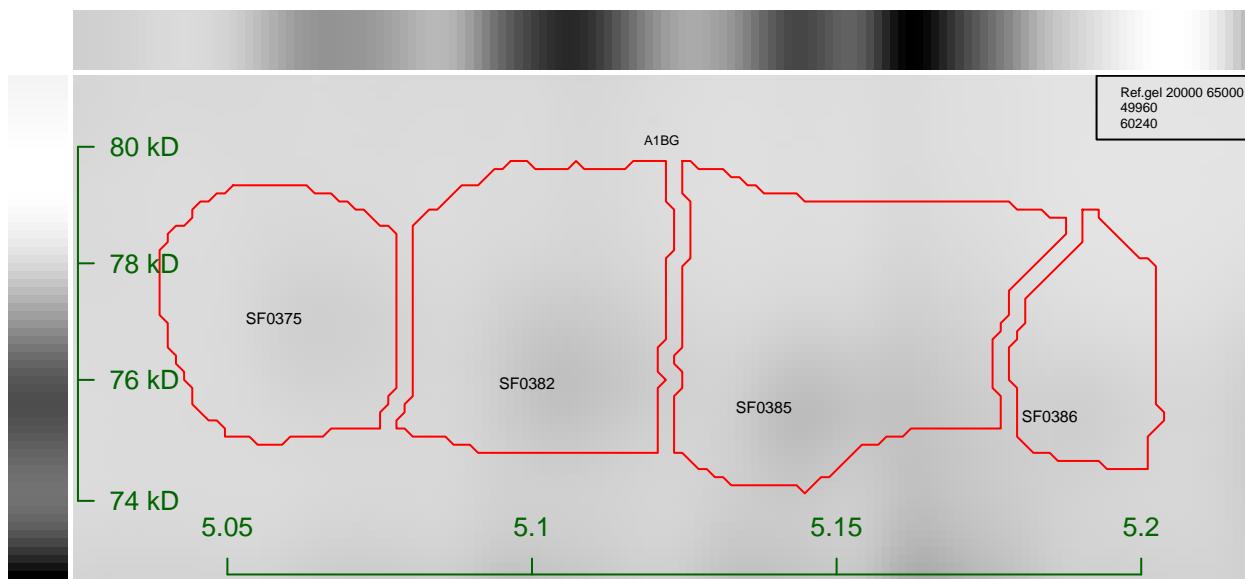
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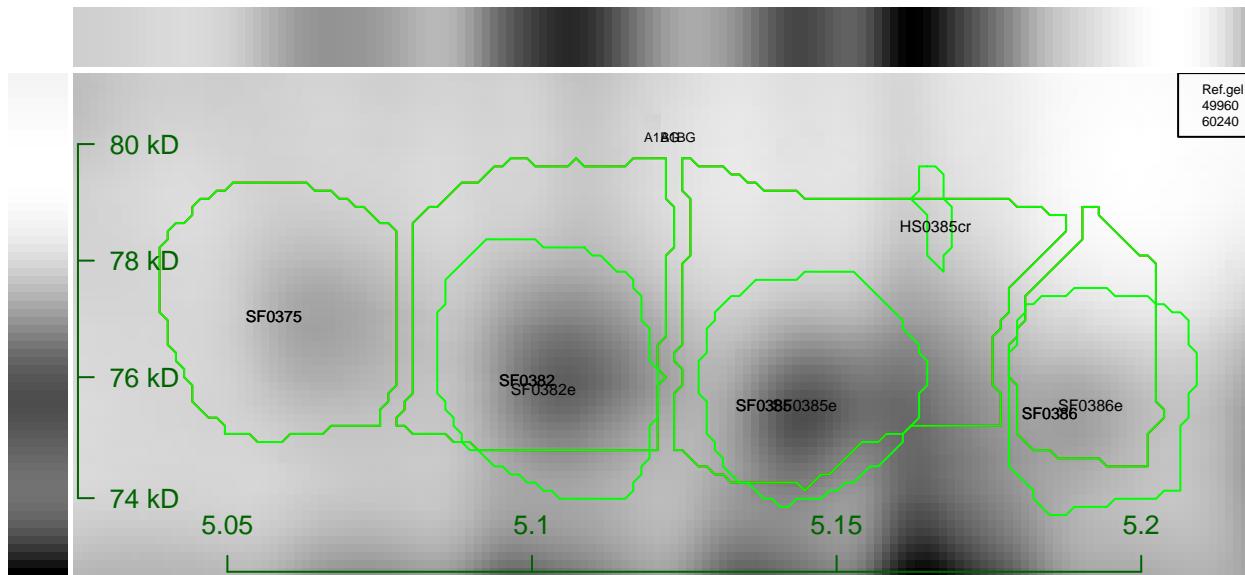
6 A1BG

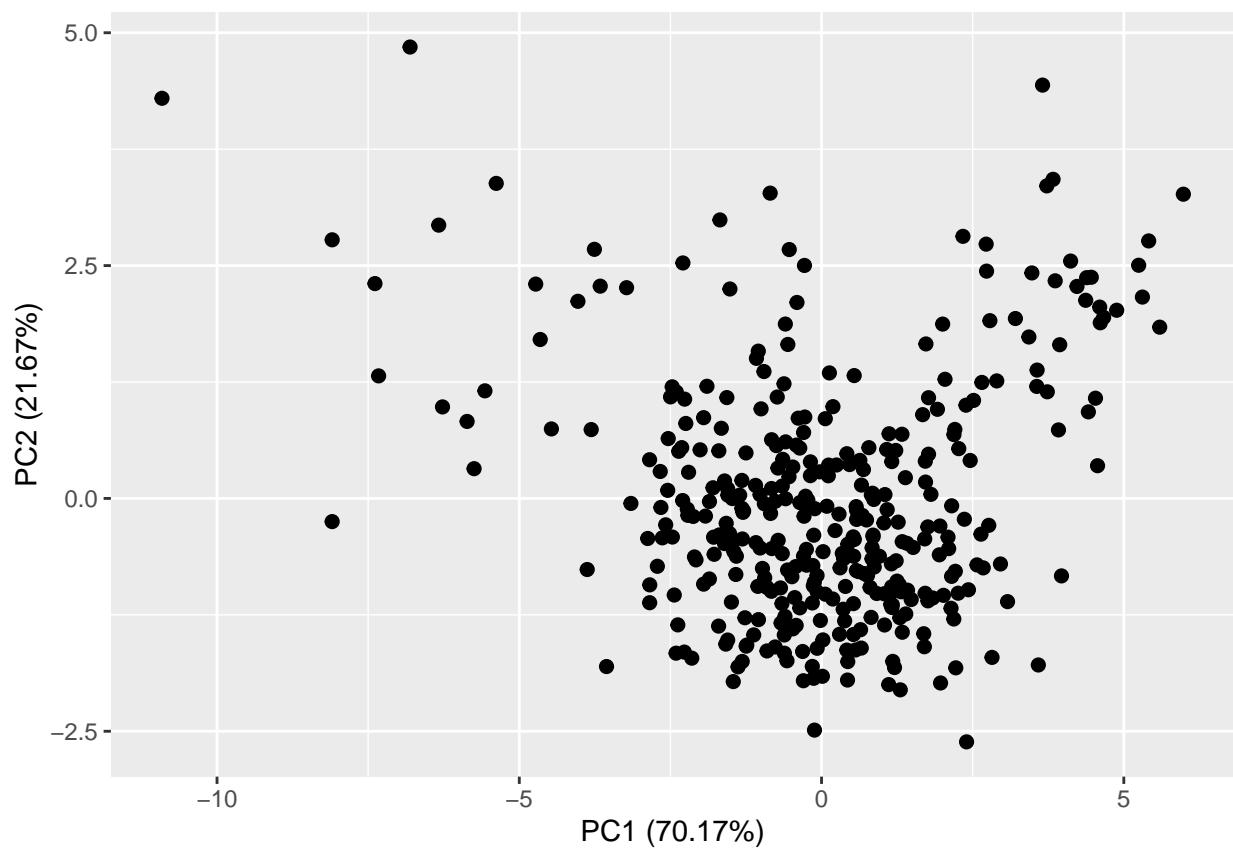


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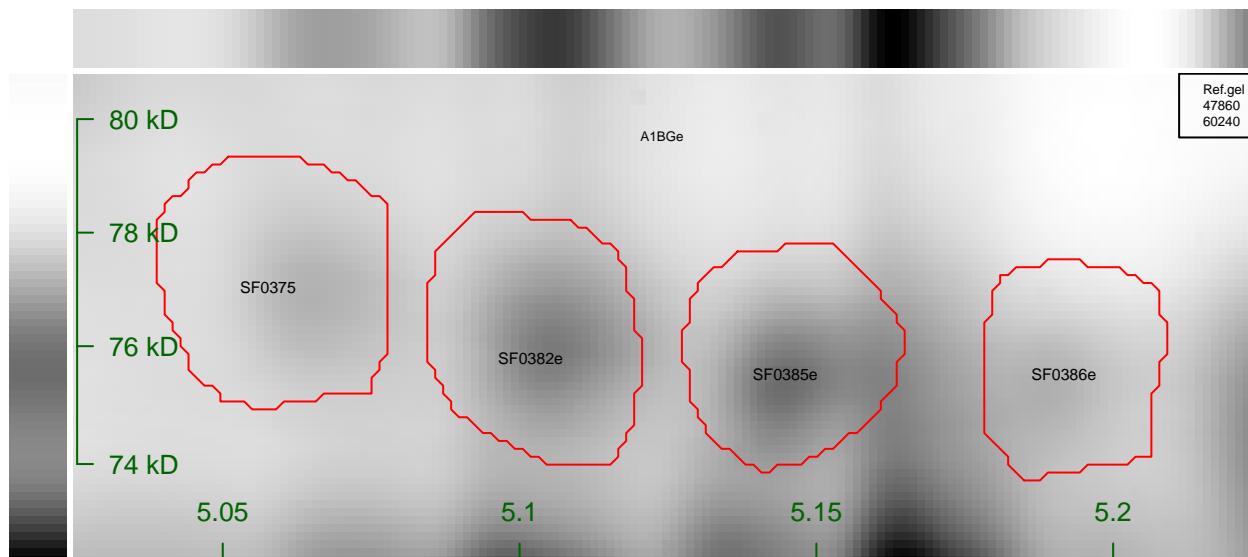


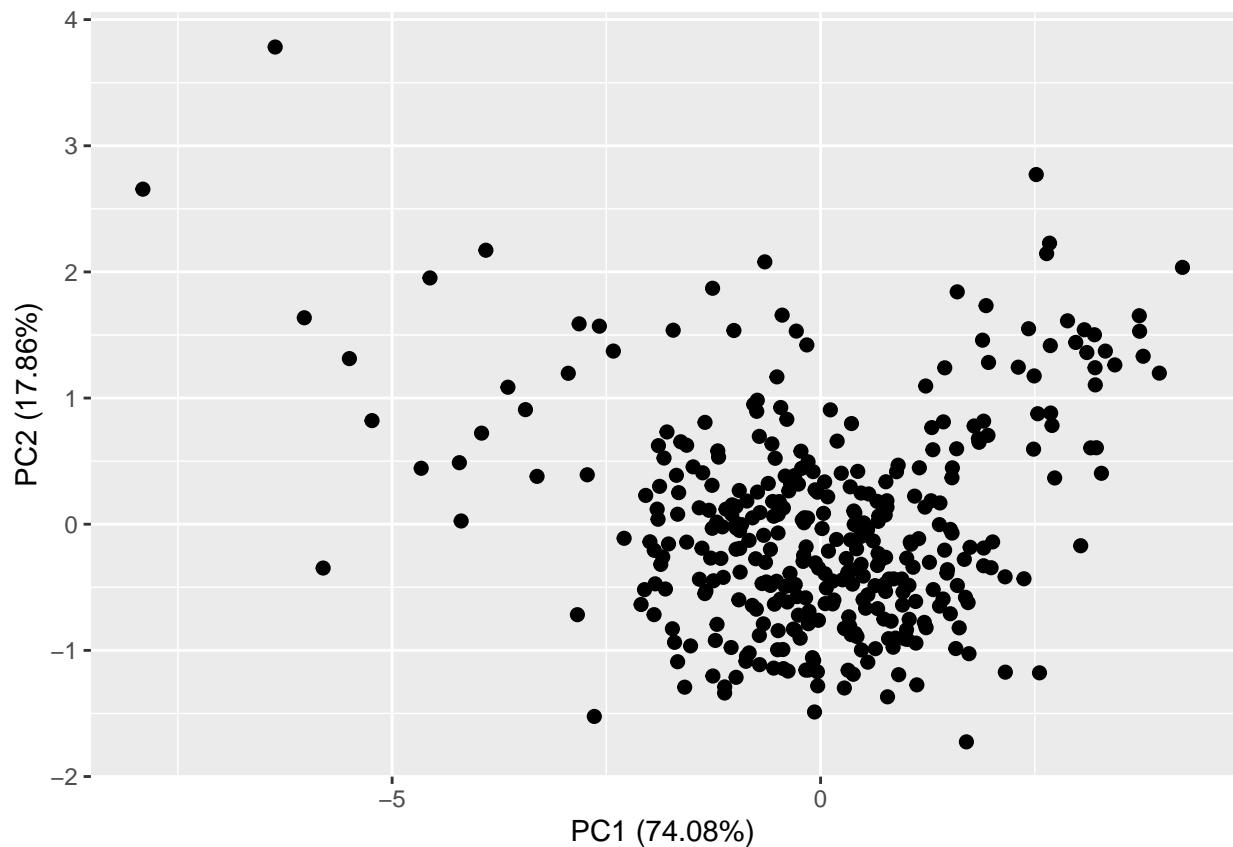
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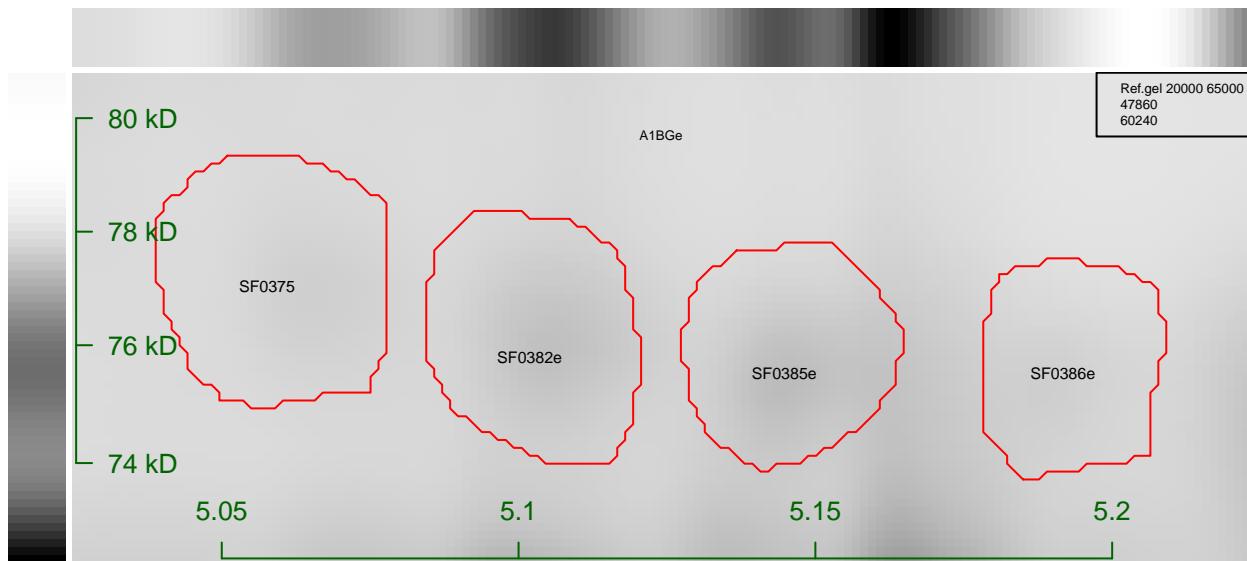


7 A1BGe

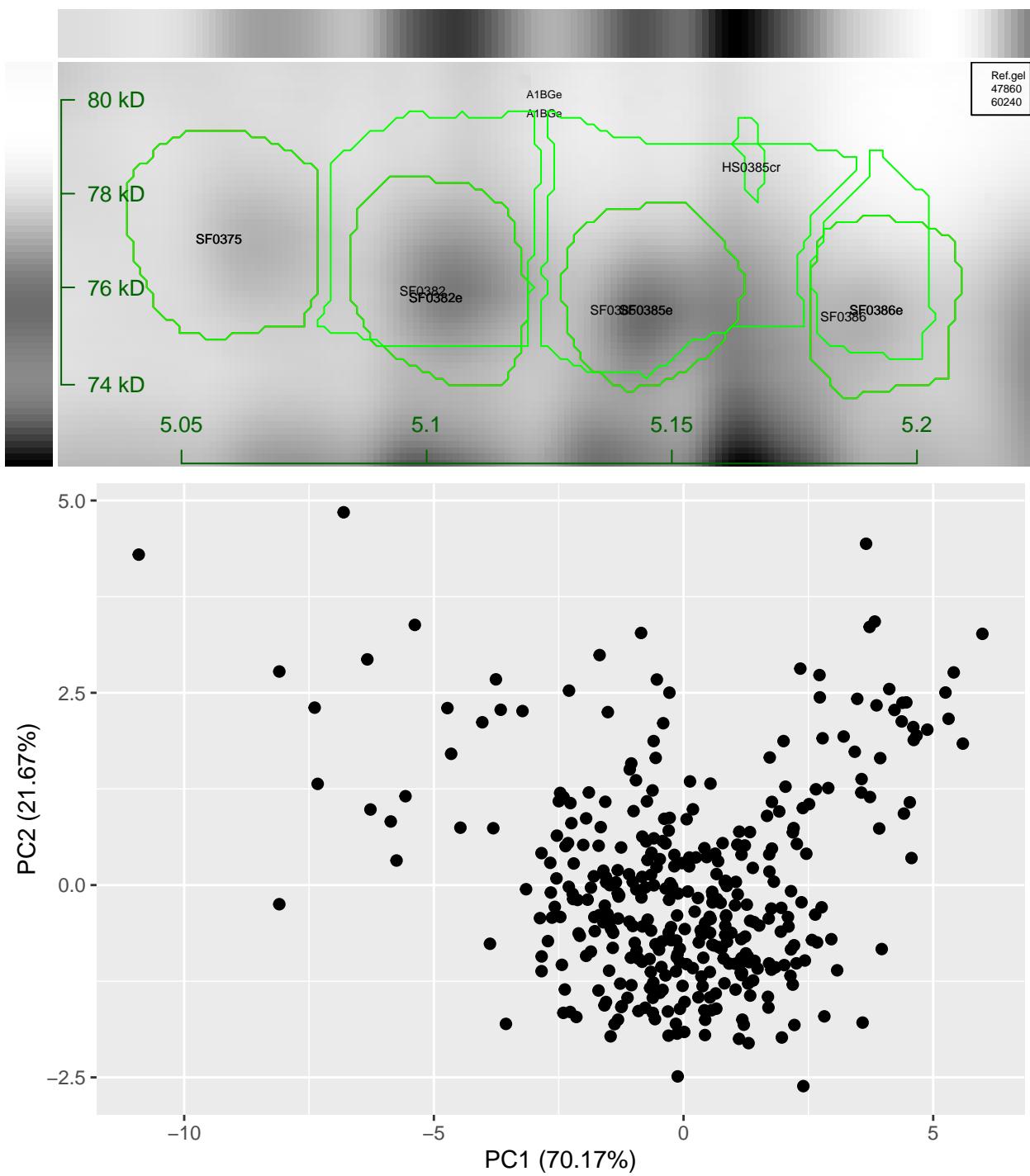




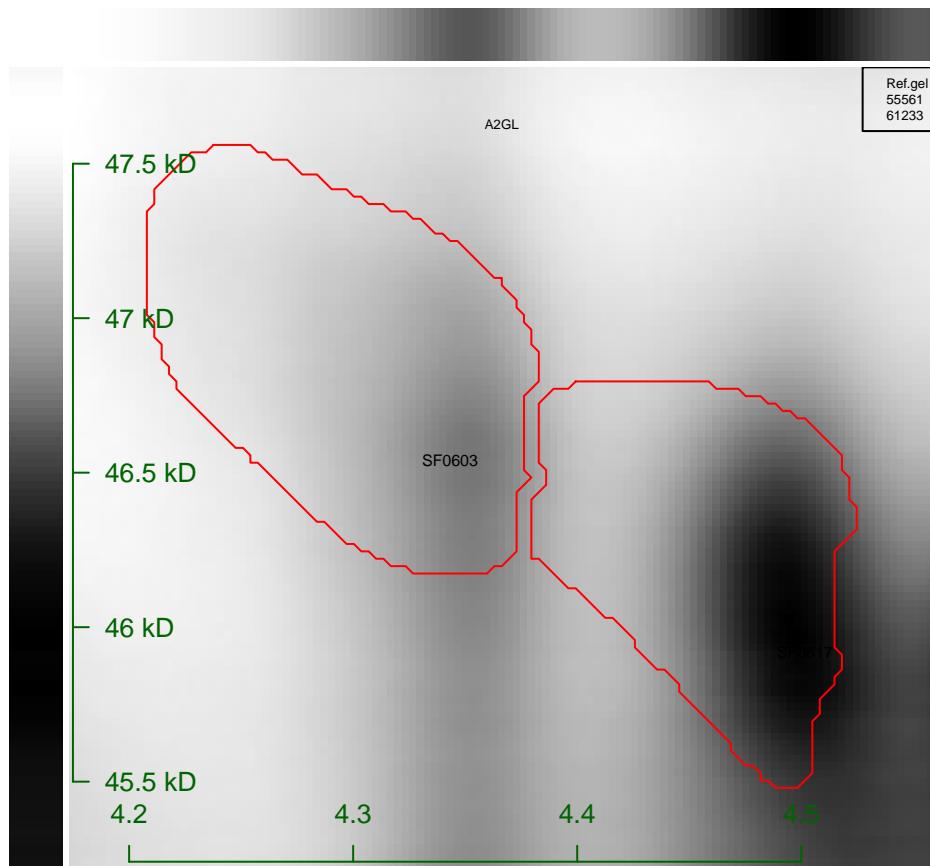
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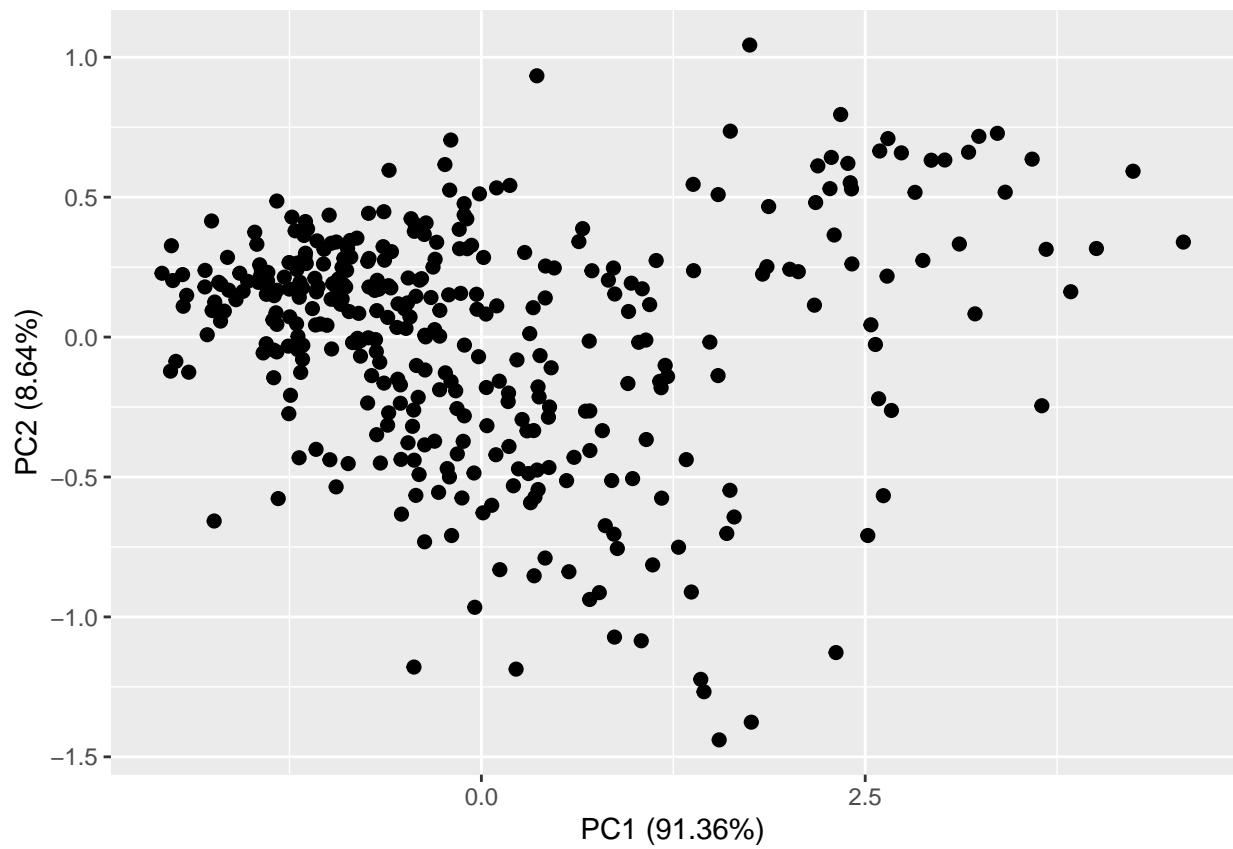


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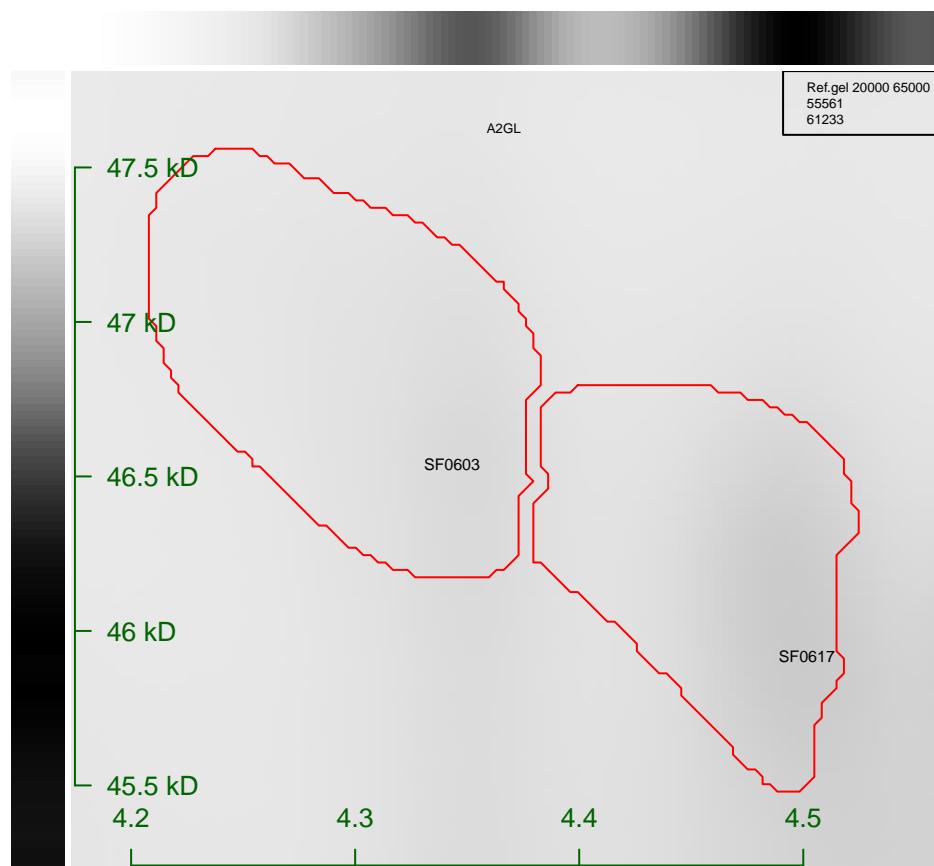


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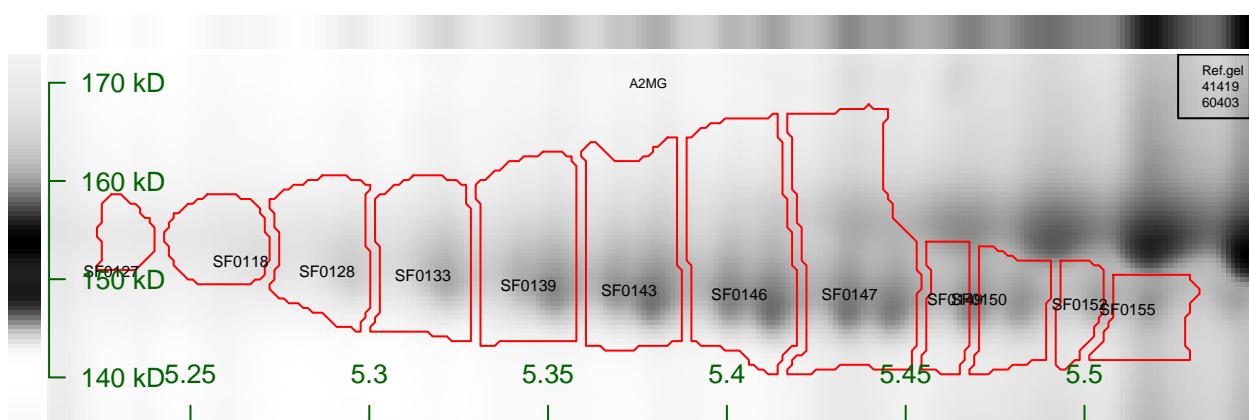


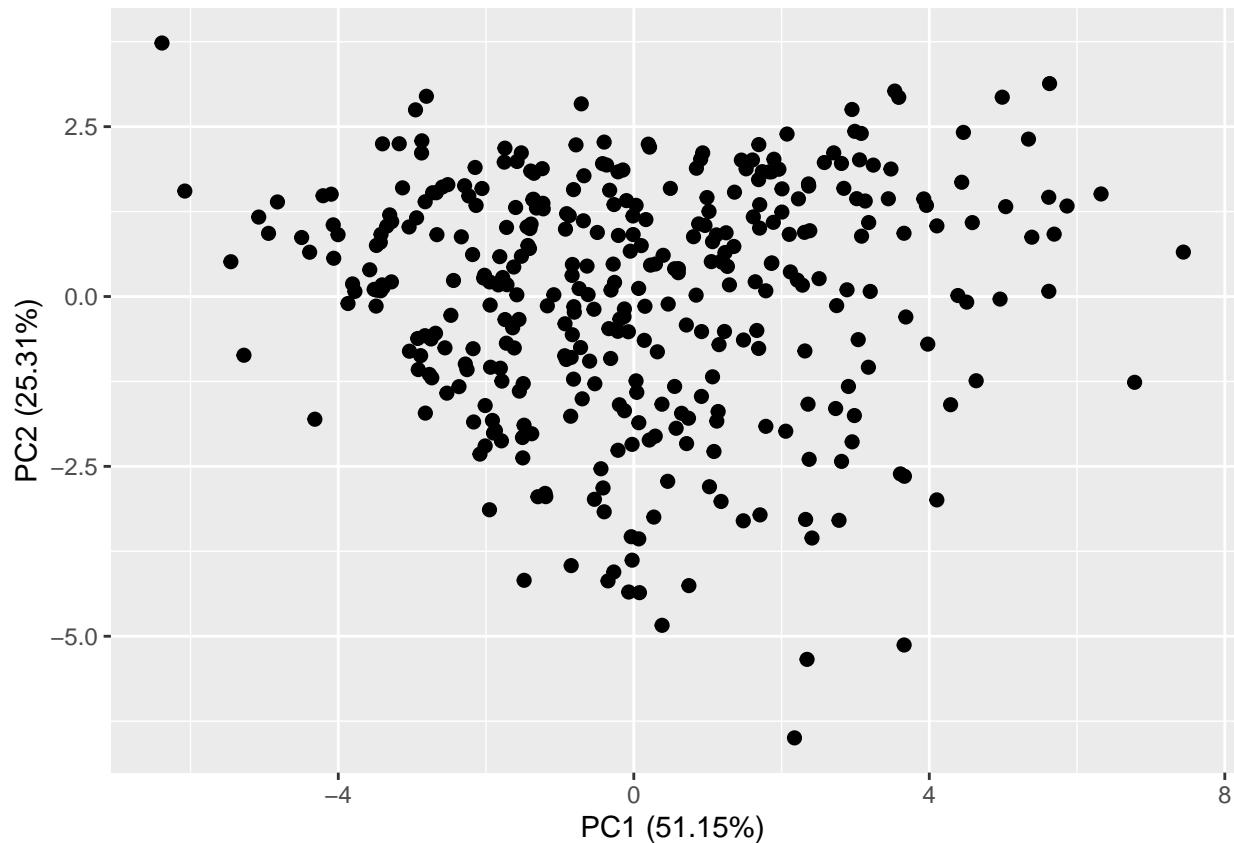


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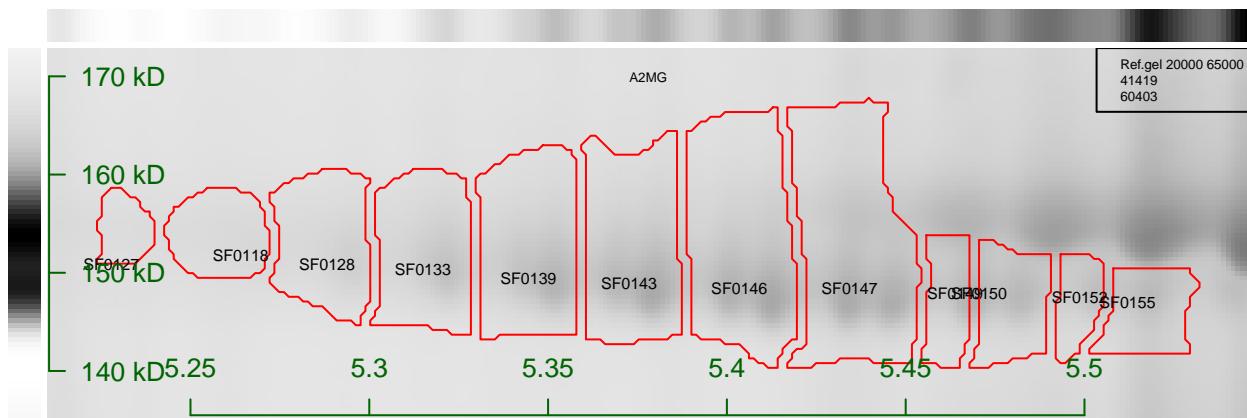


9 A2MG

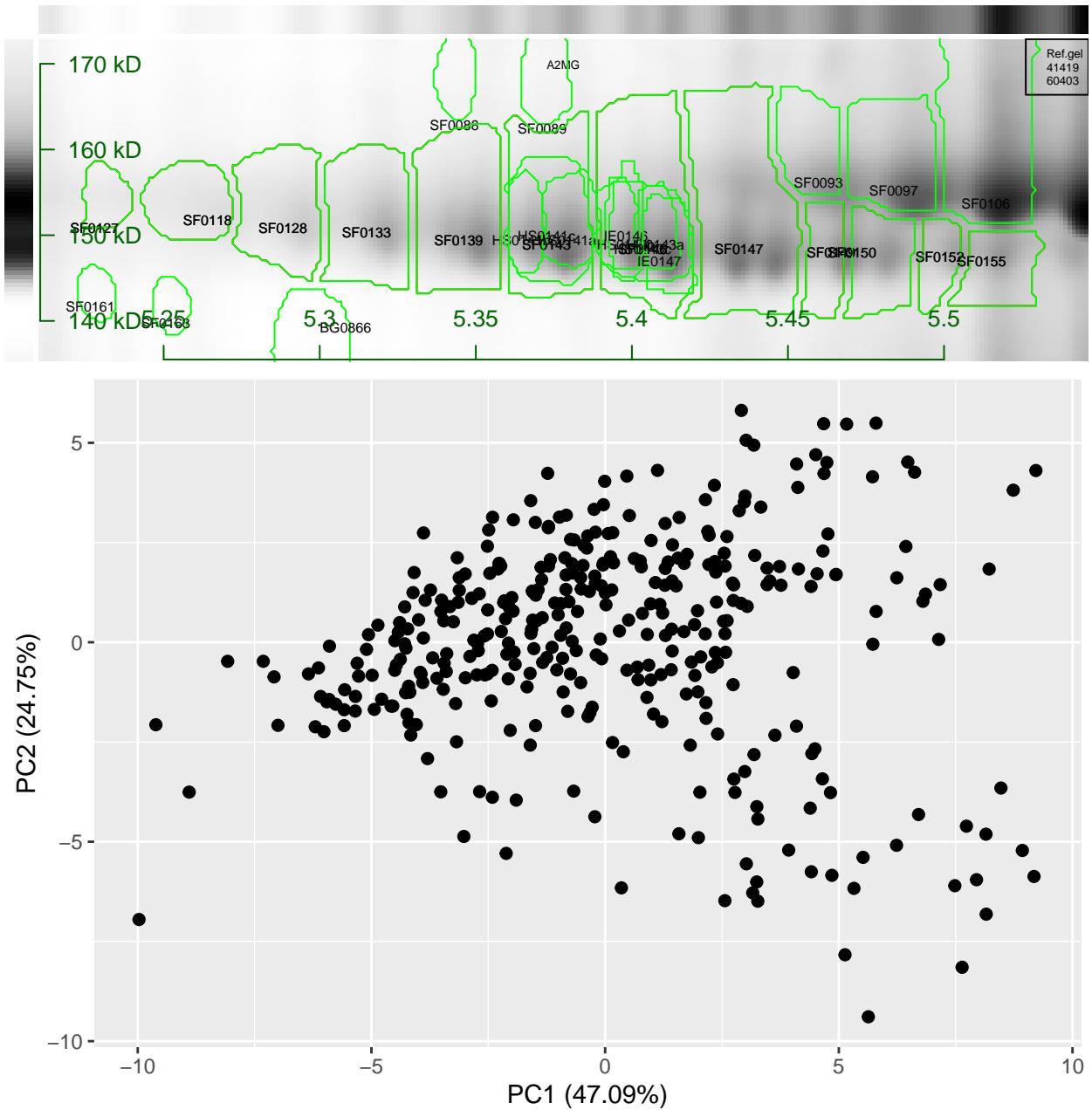




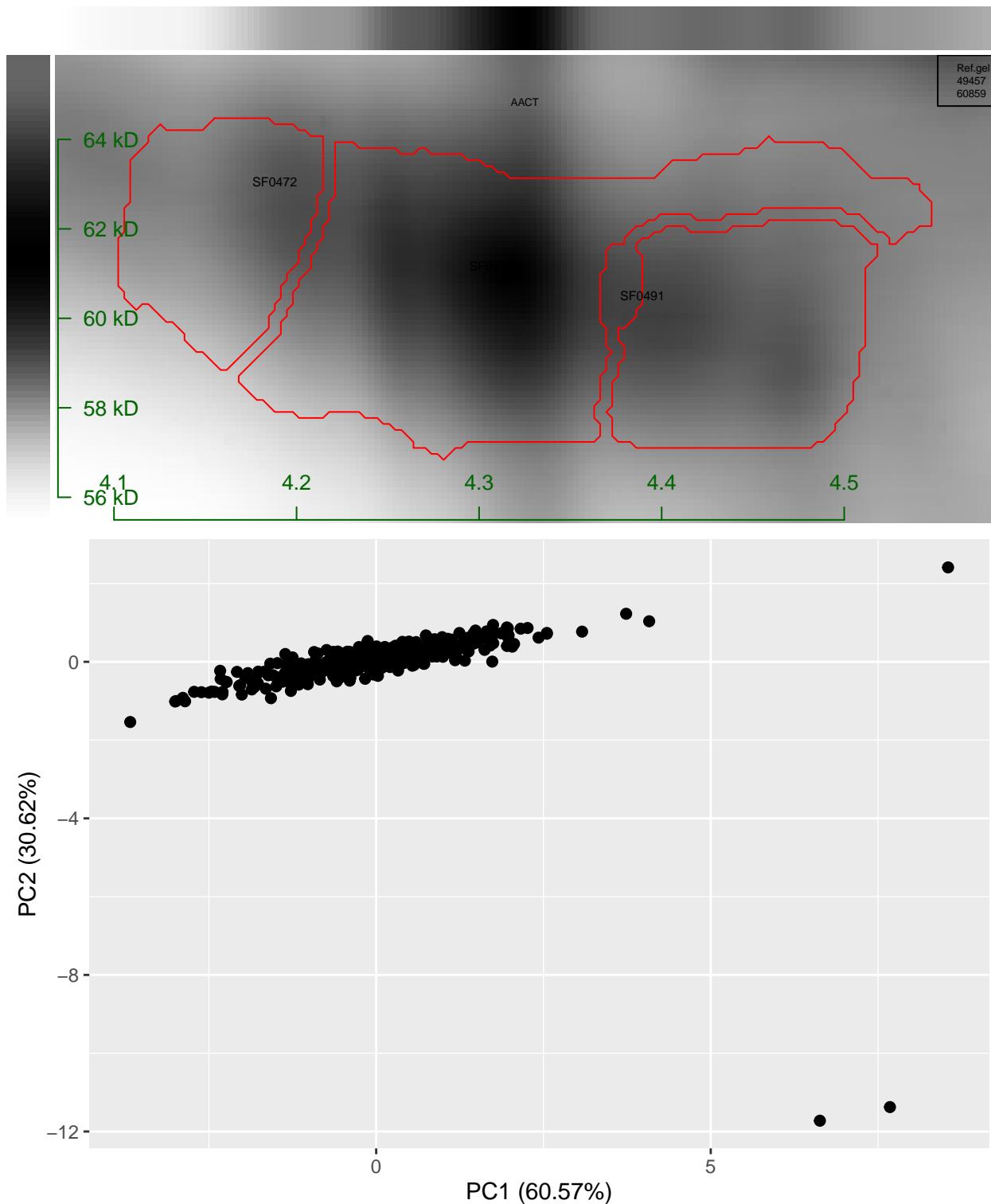
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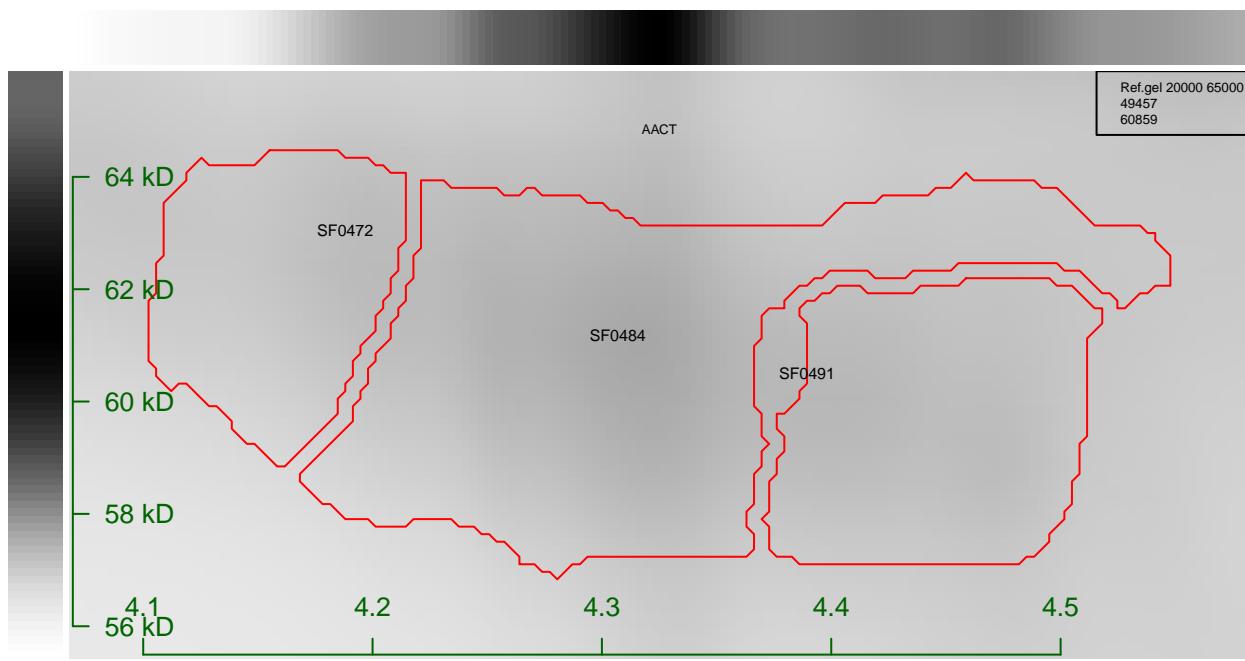
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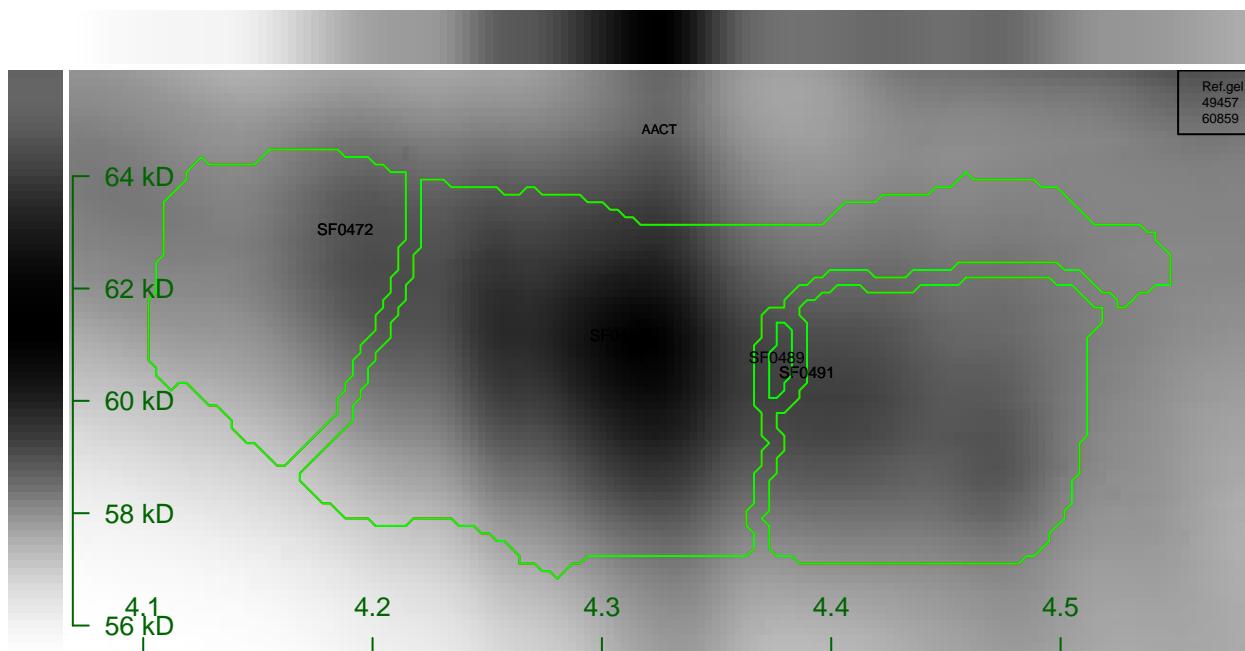
10 AACT

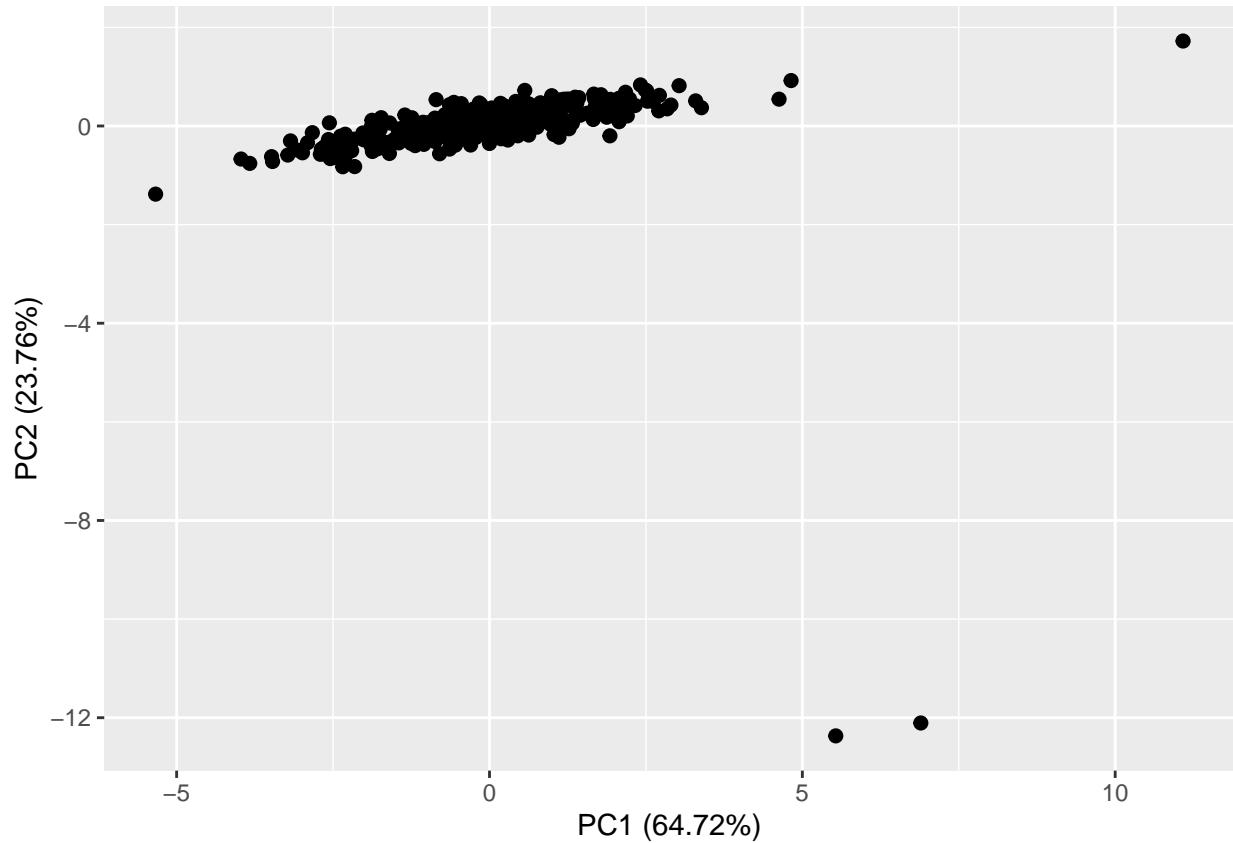


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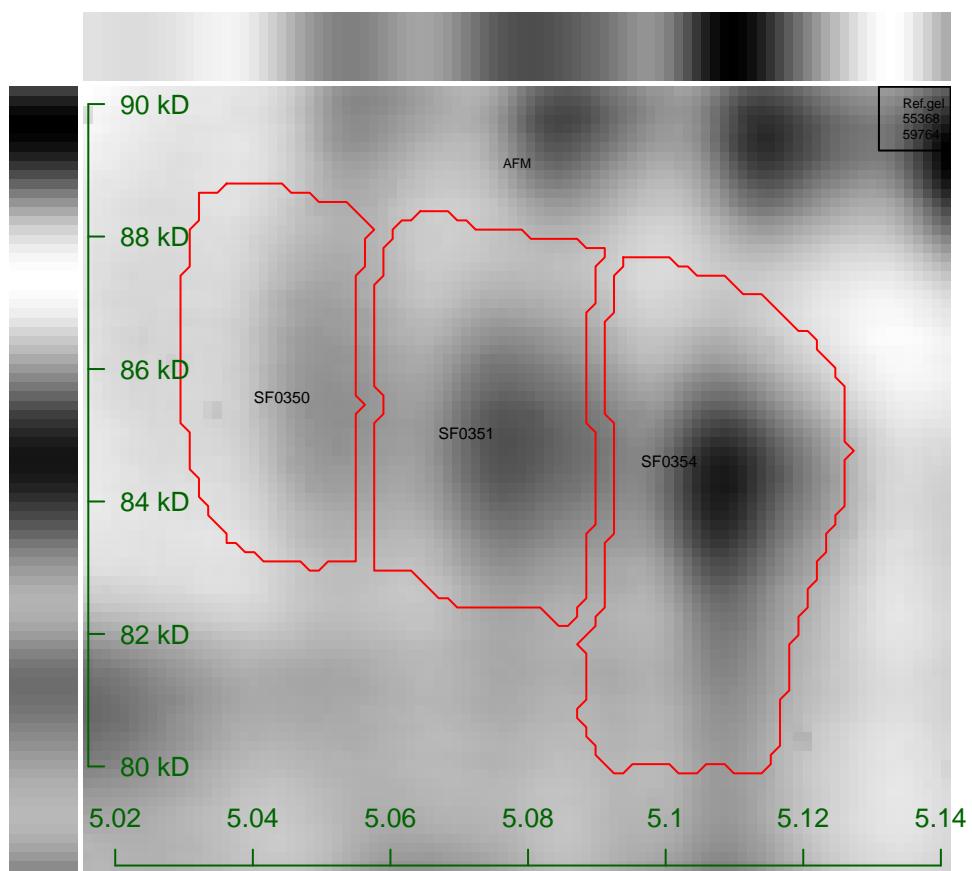


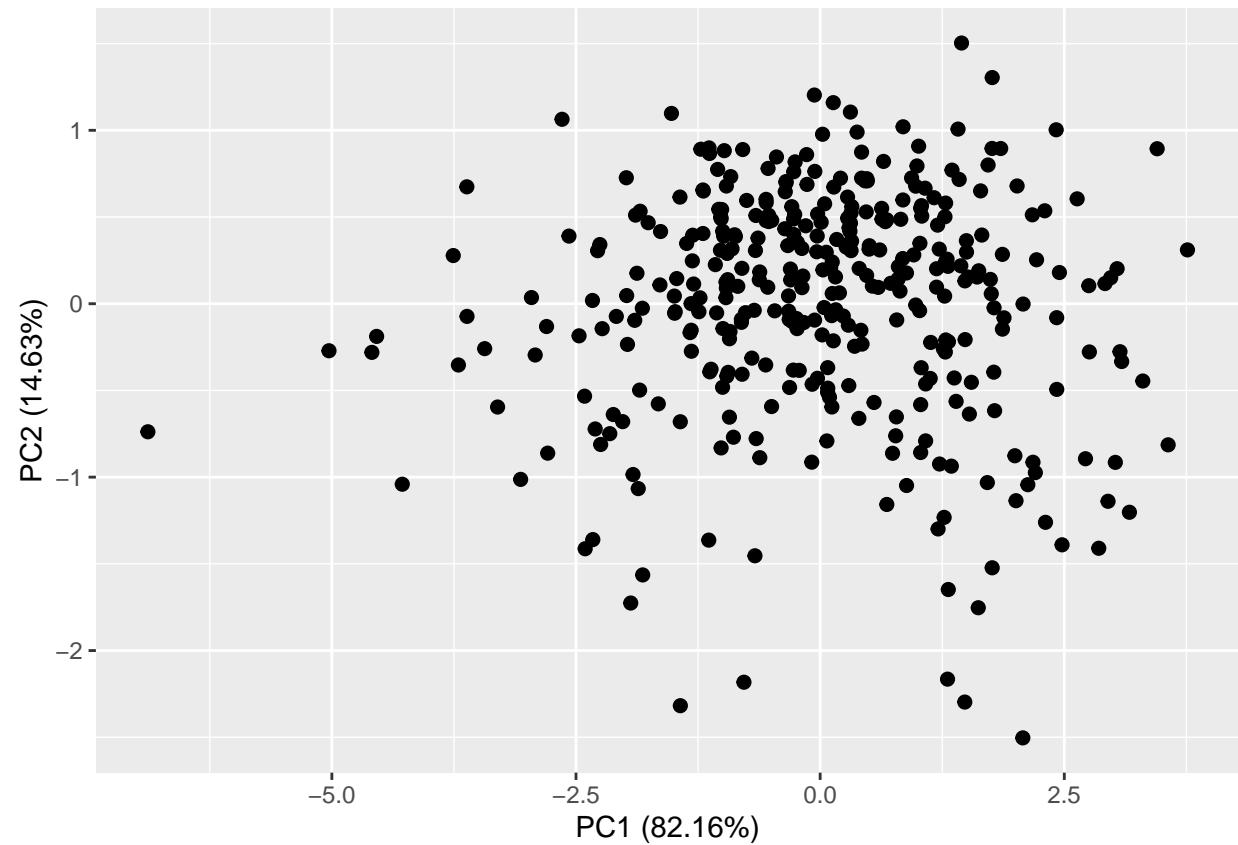
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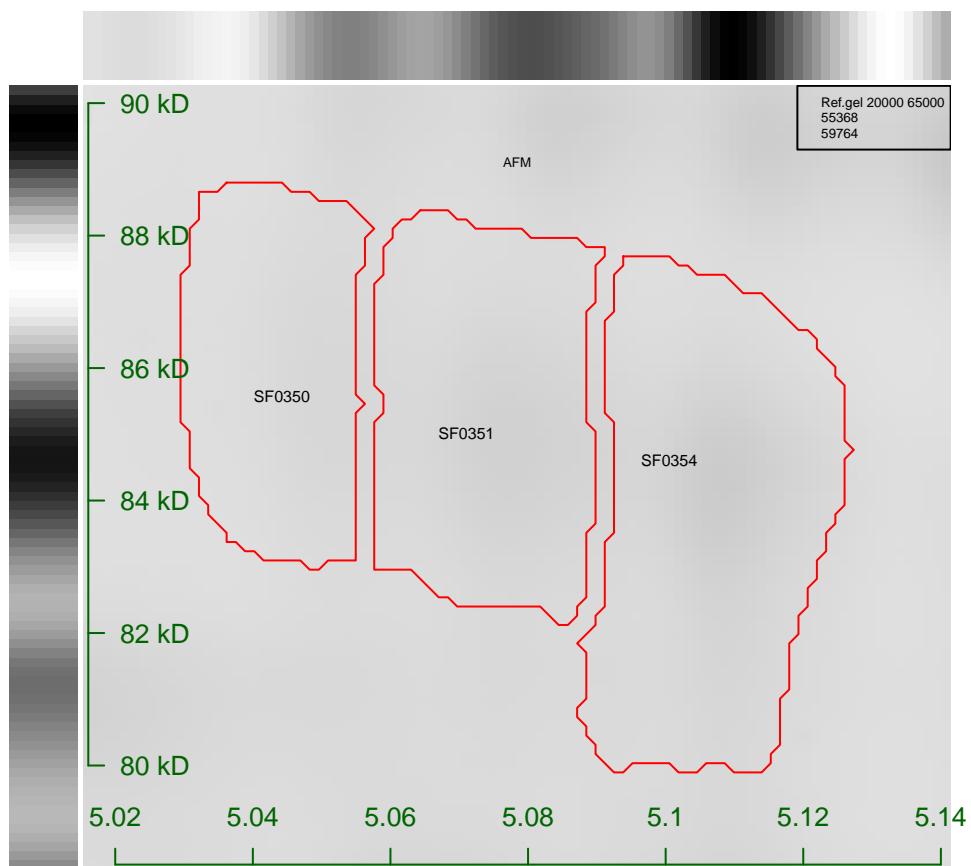


11 AFM

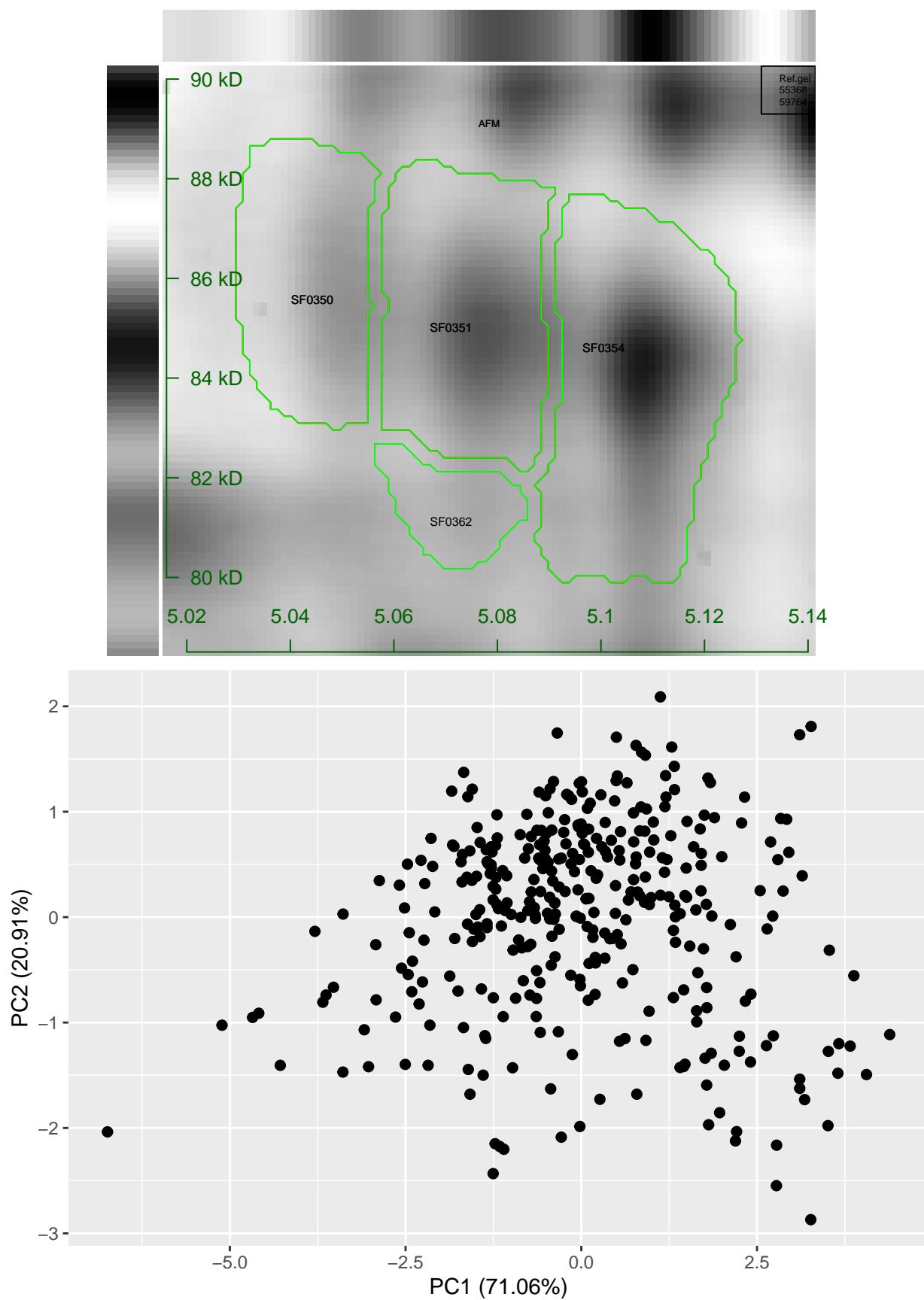




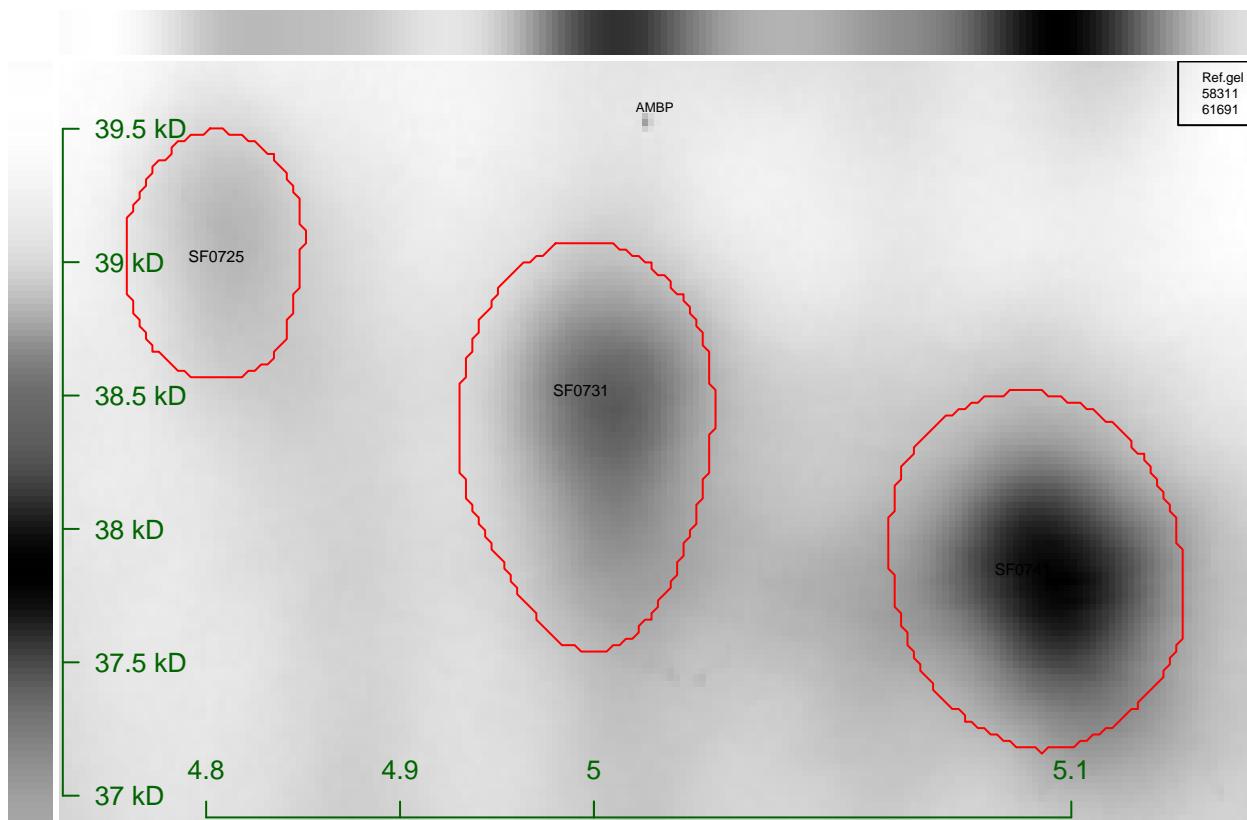
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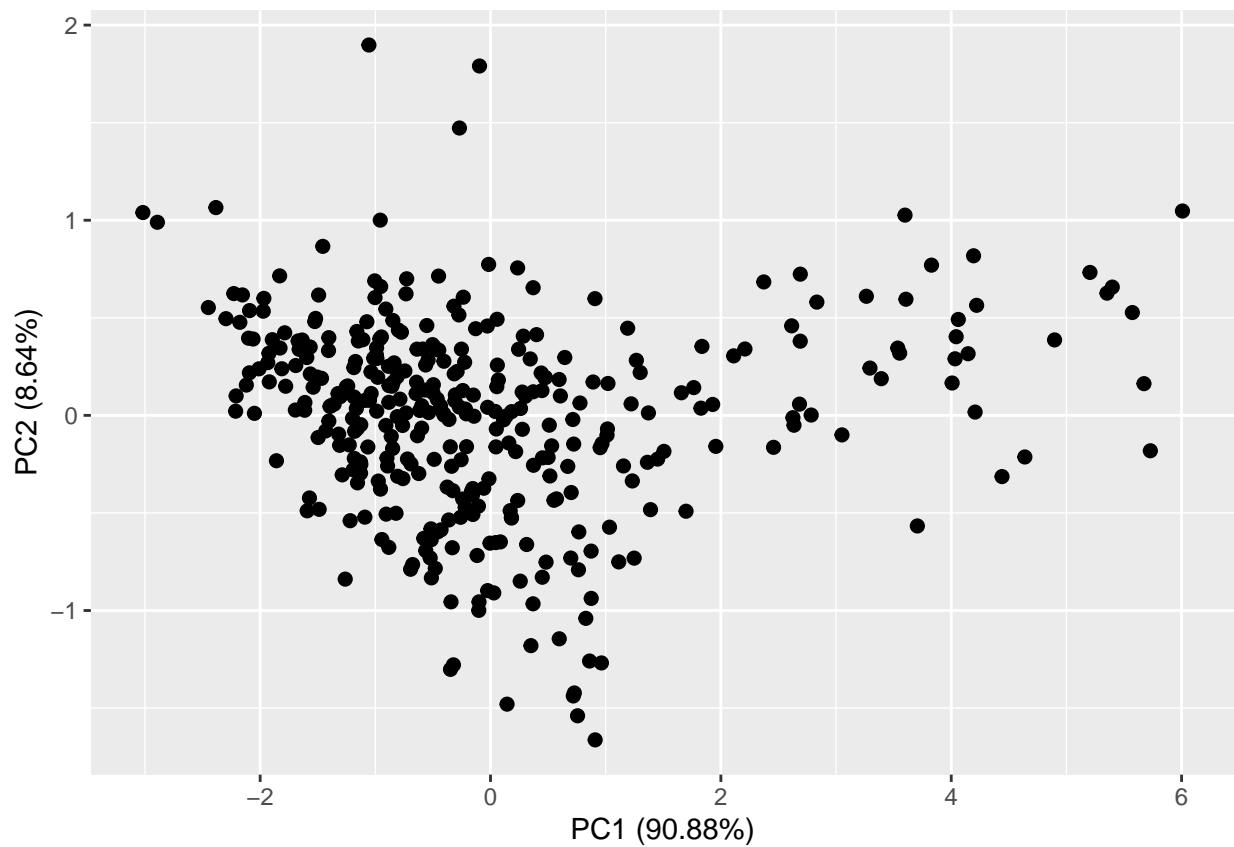


All available features in area



12 AMBP



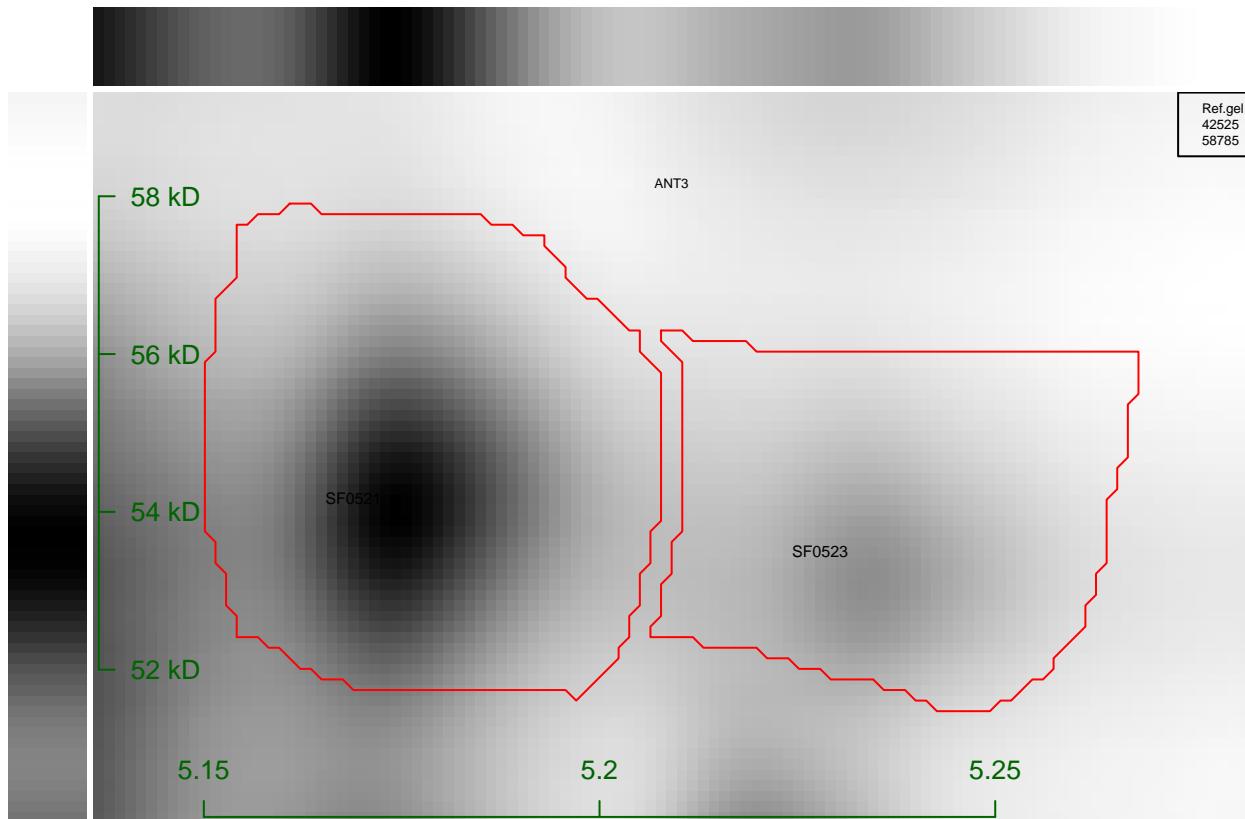


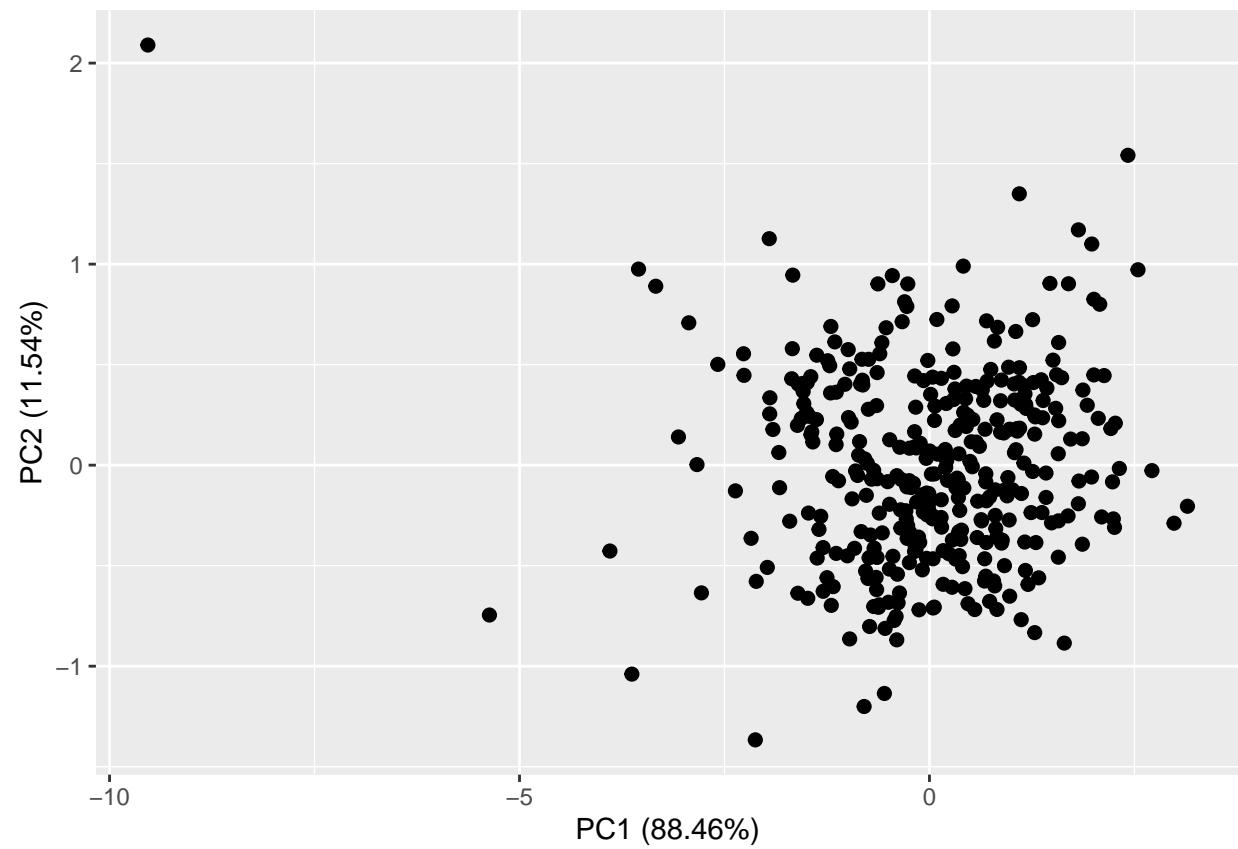
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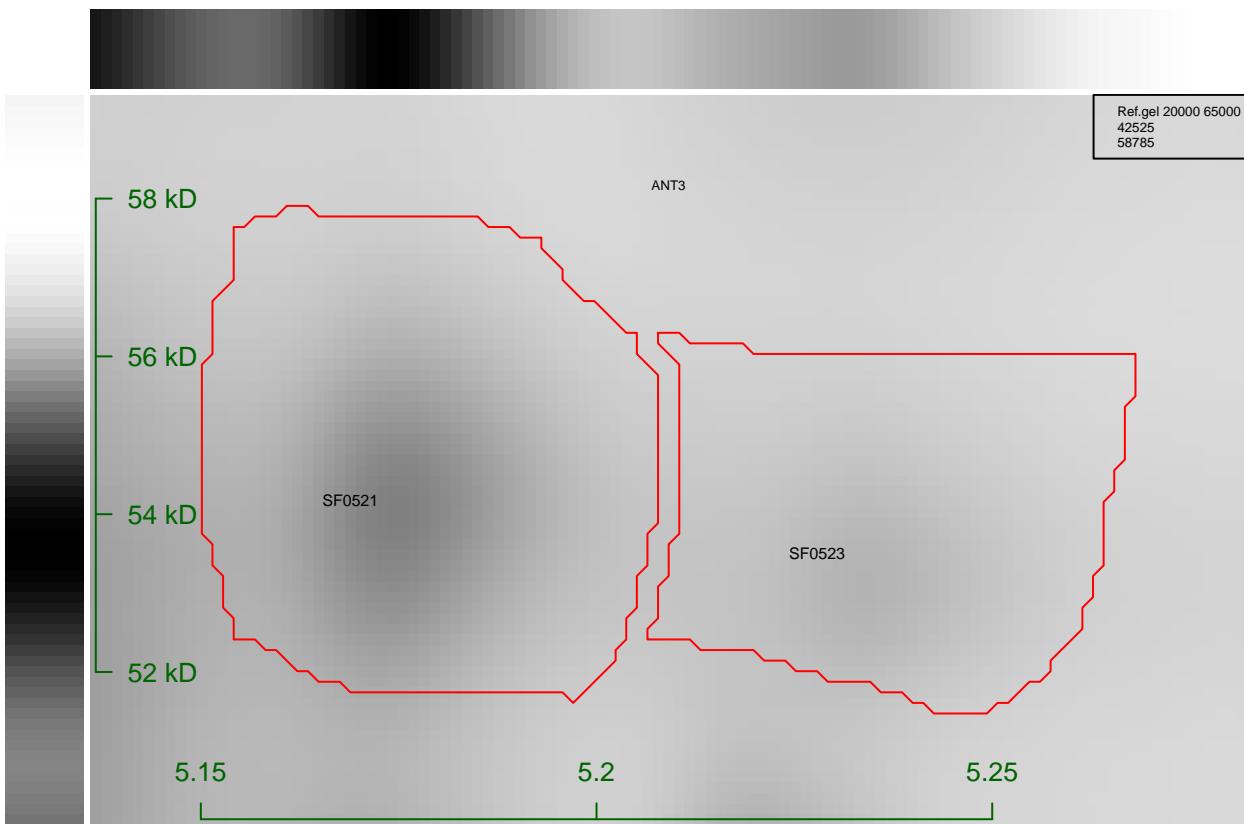
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13 ANT3

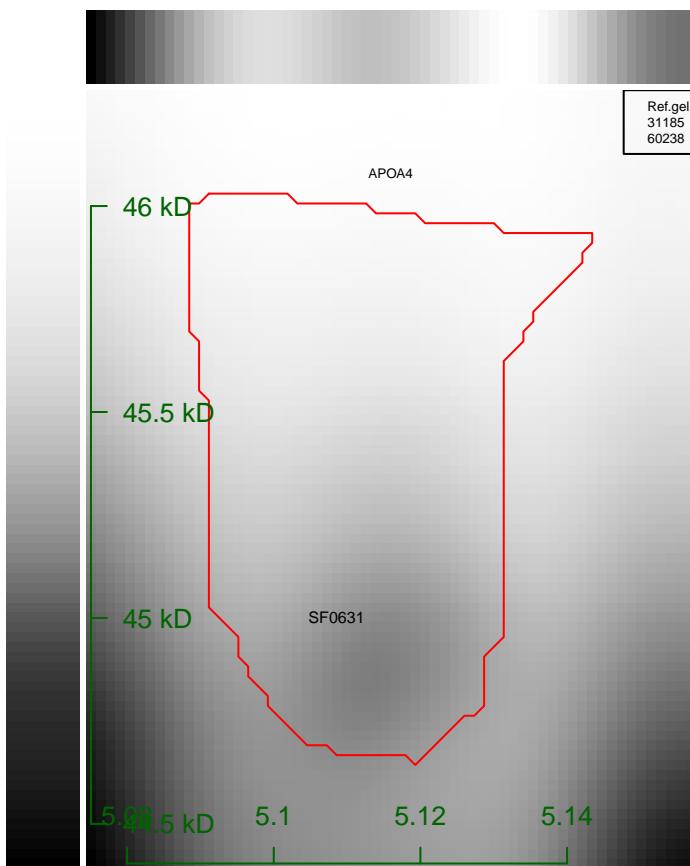




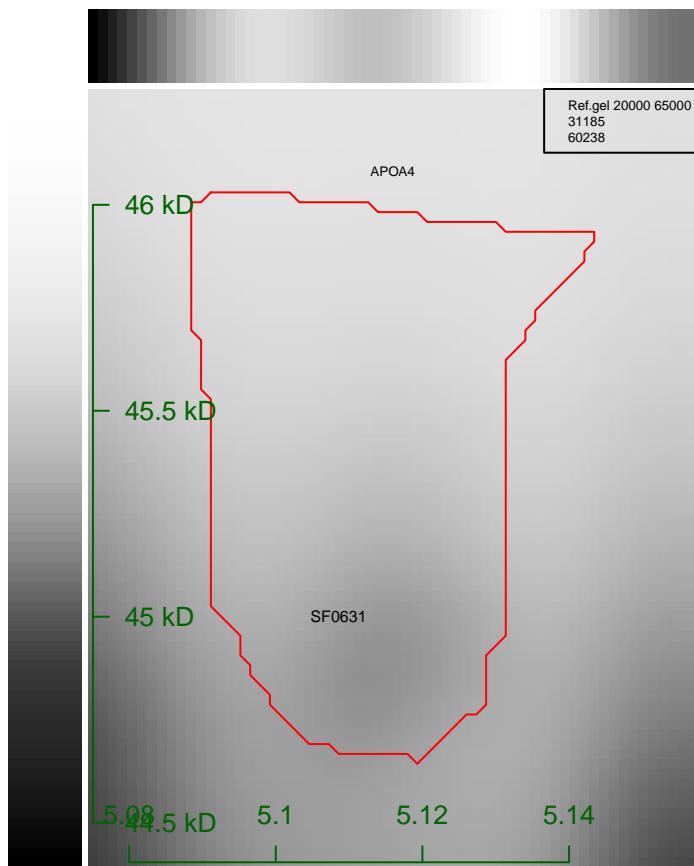
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14 APOA4

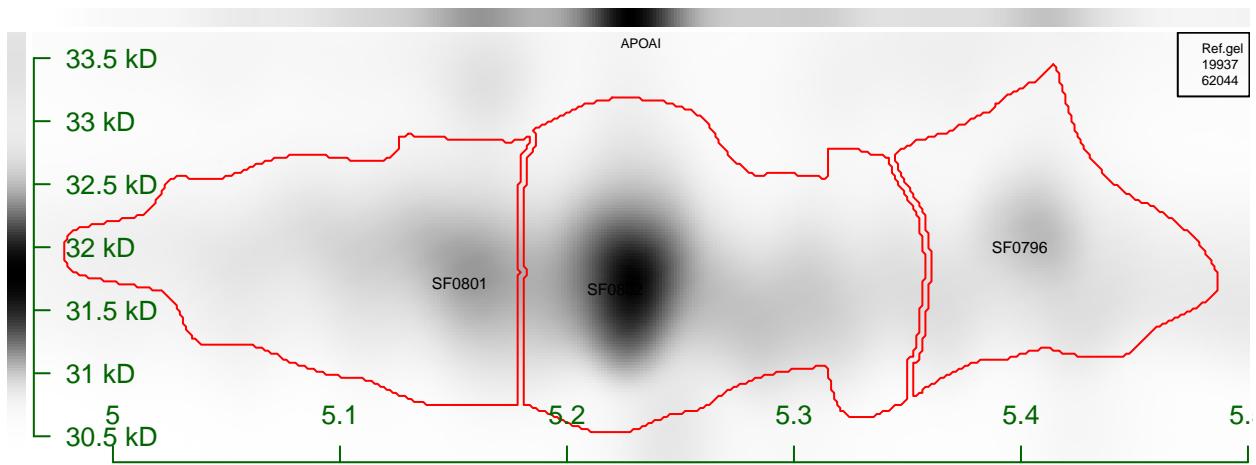


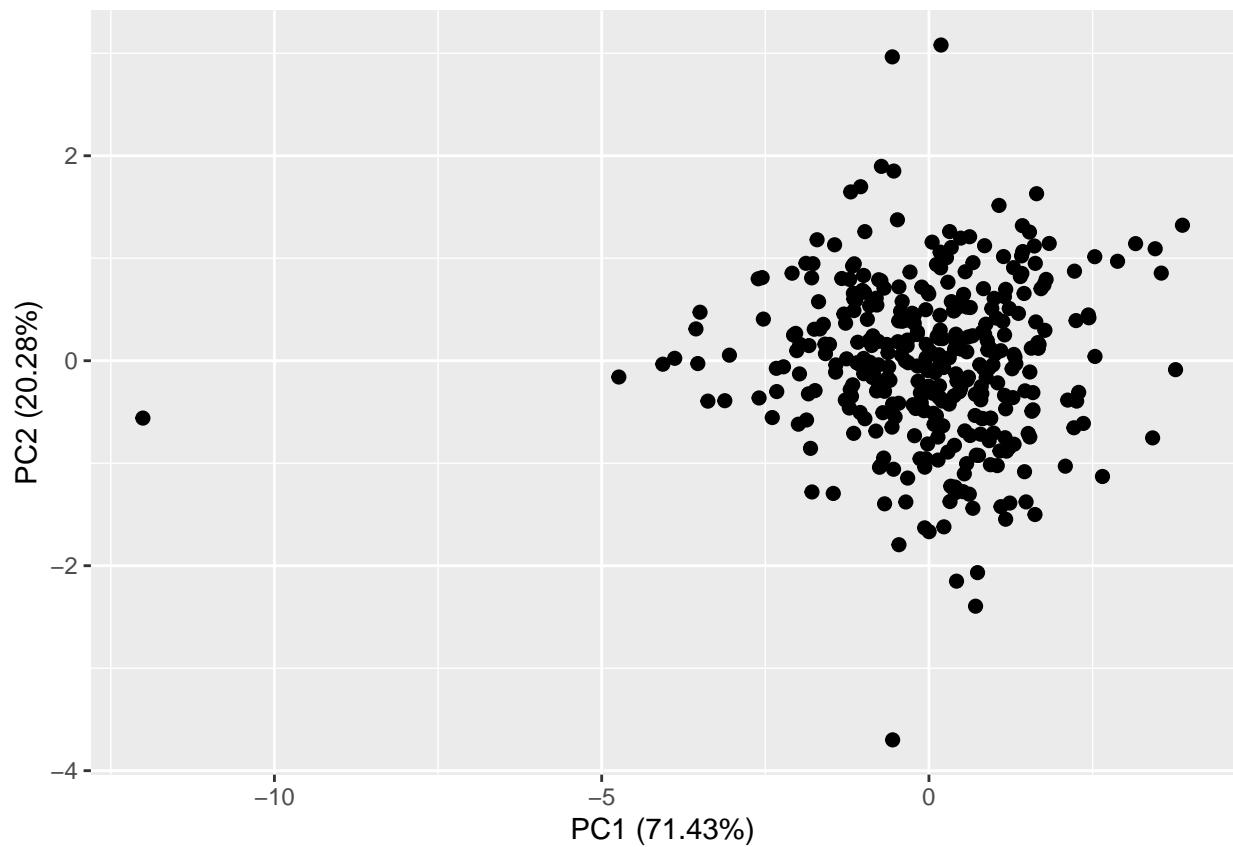
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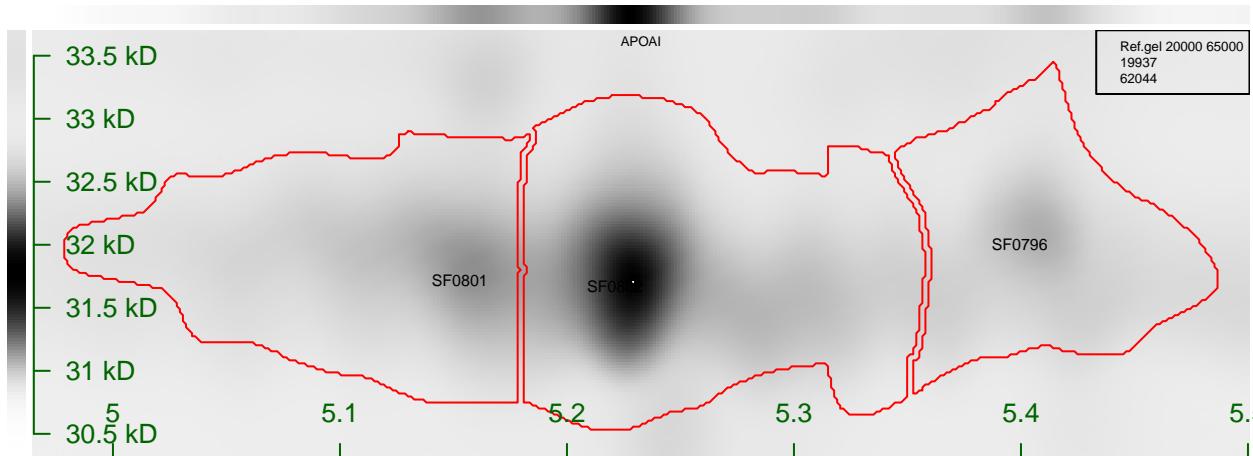
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15 APOAI

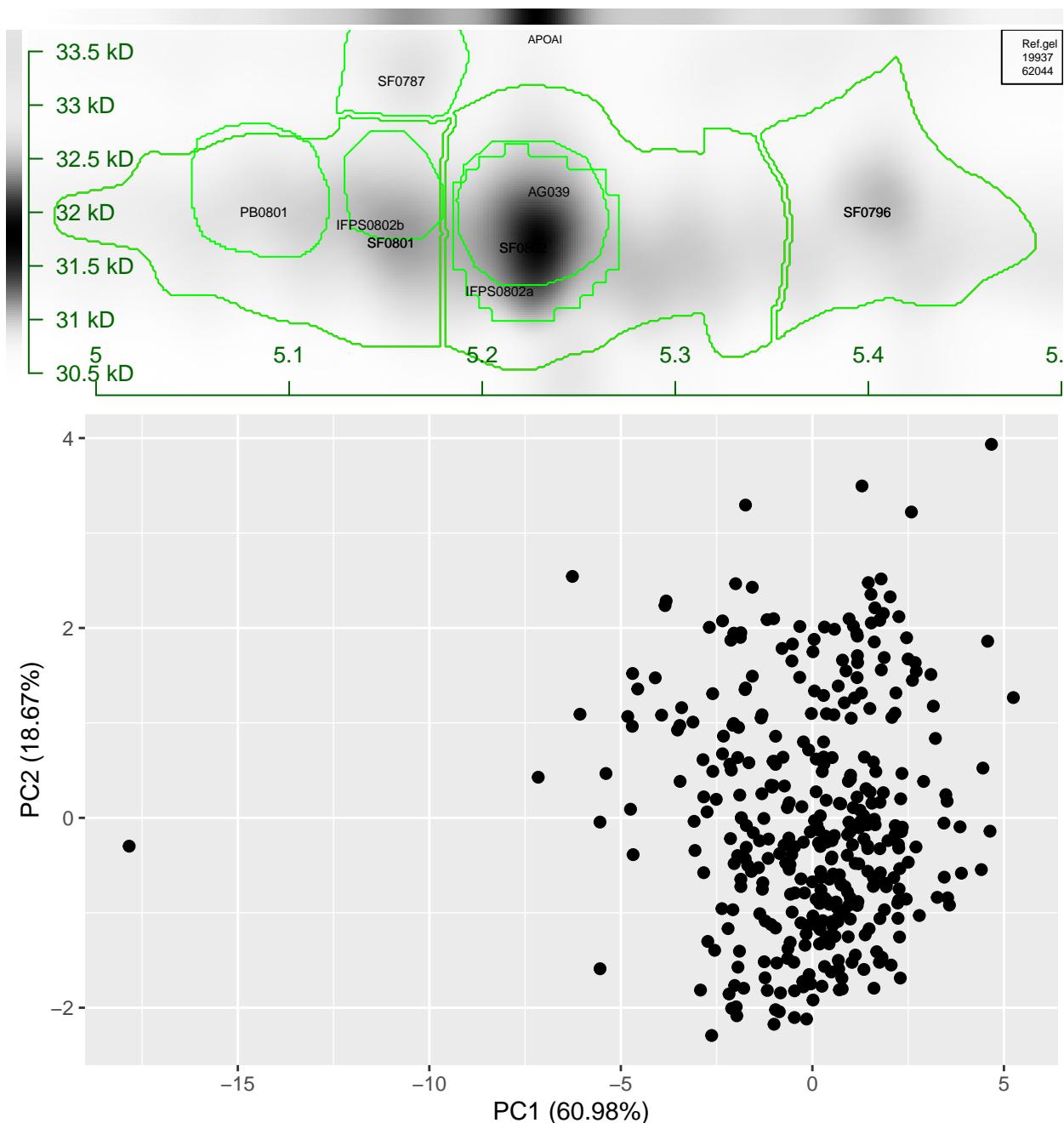




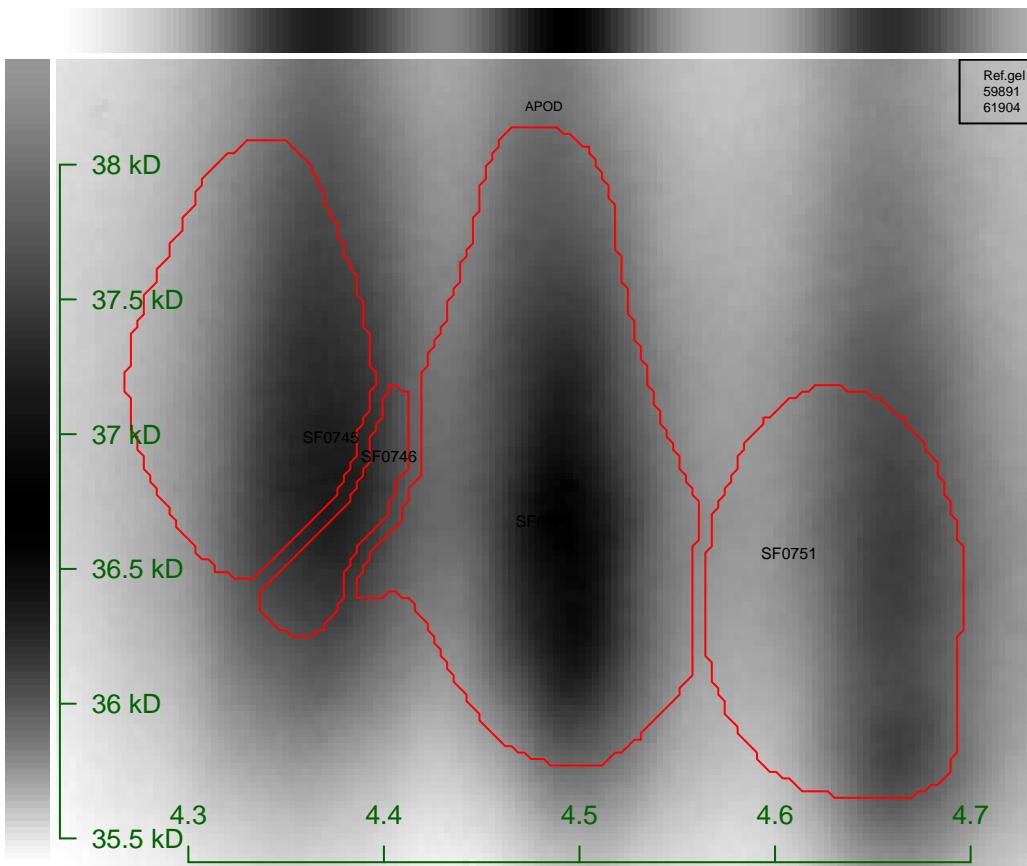
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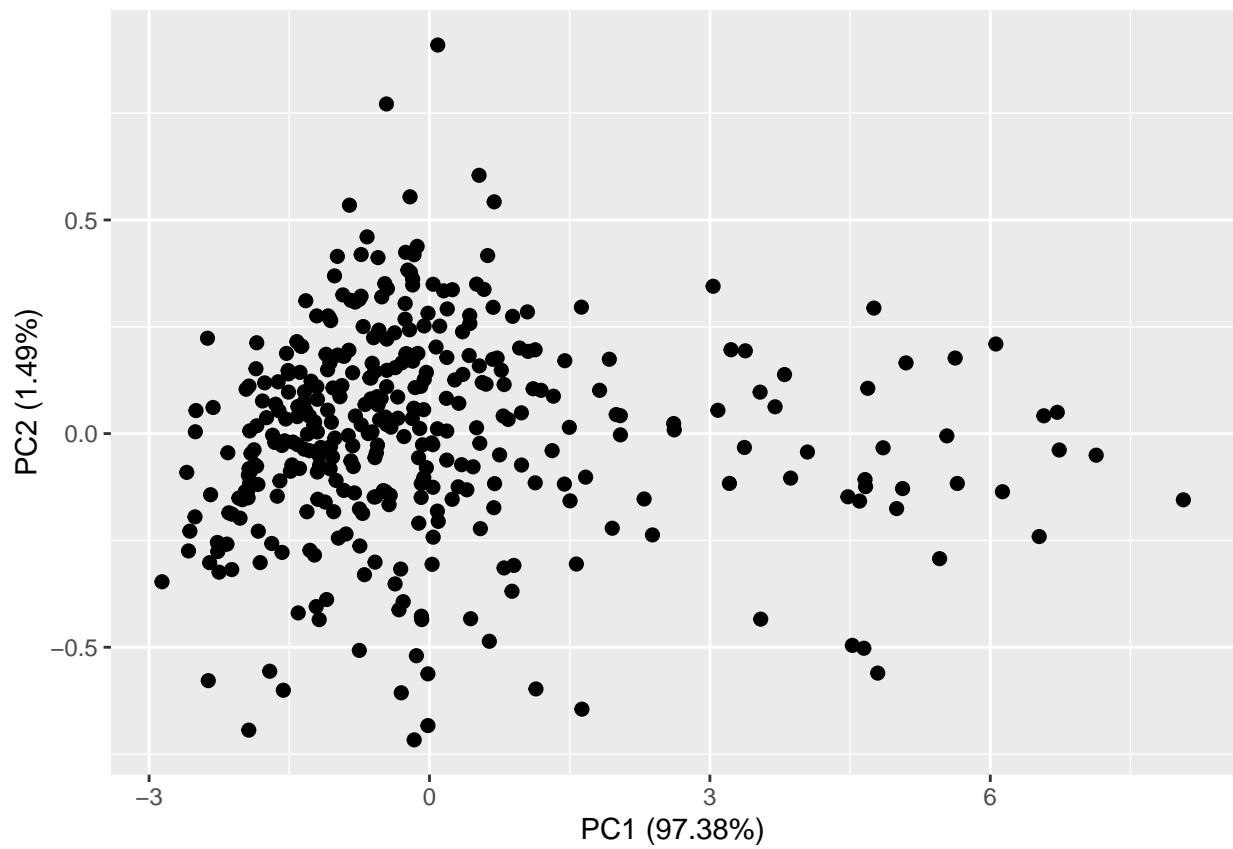


All available features in area

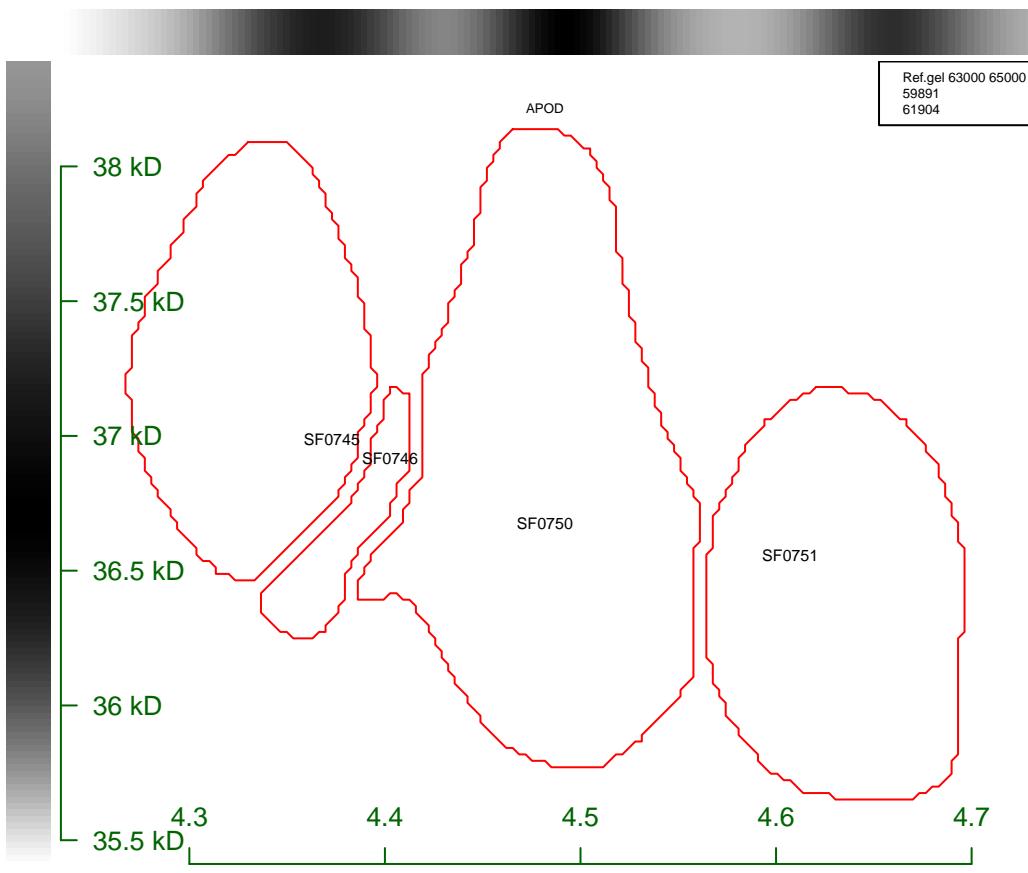


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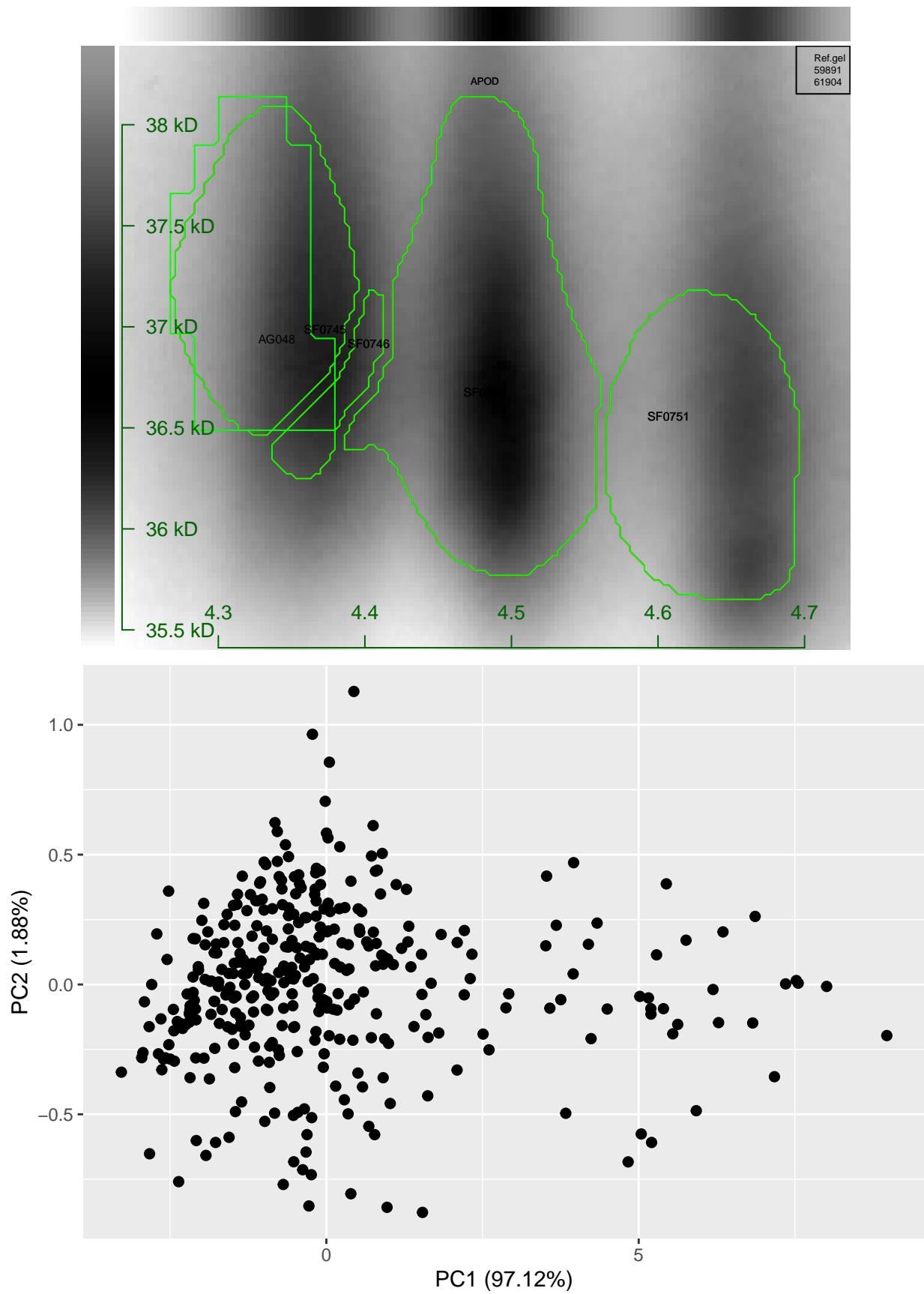




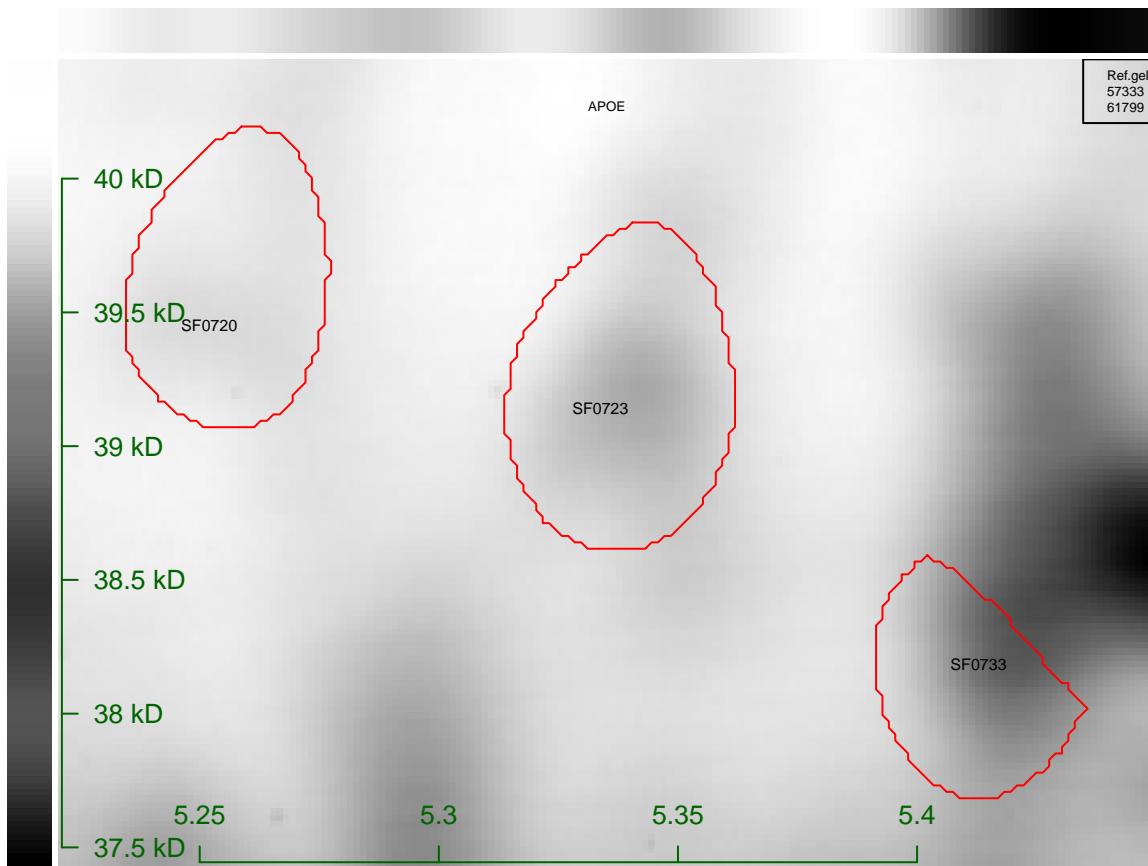
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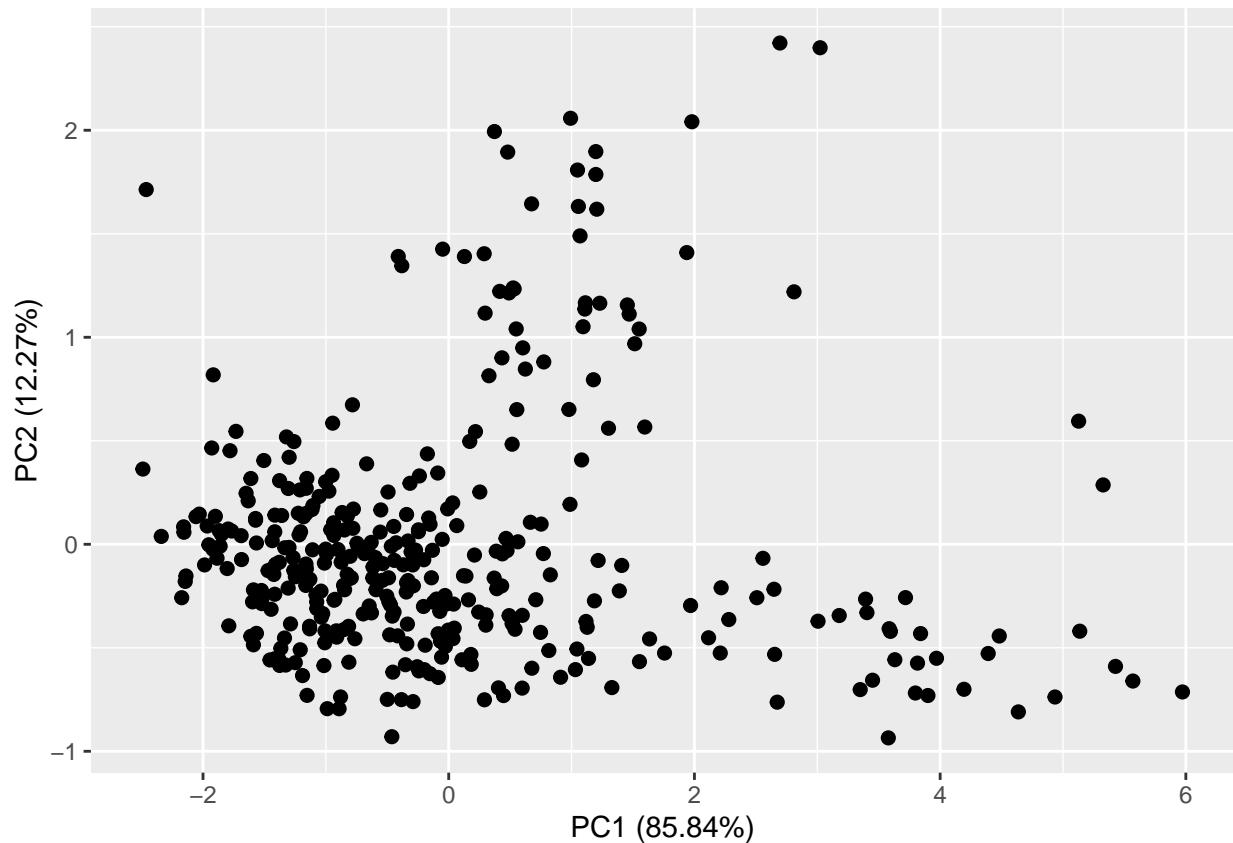


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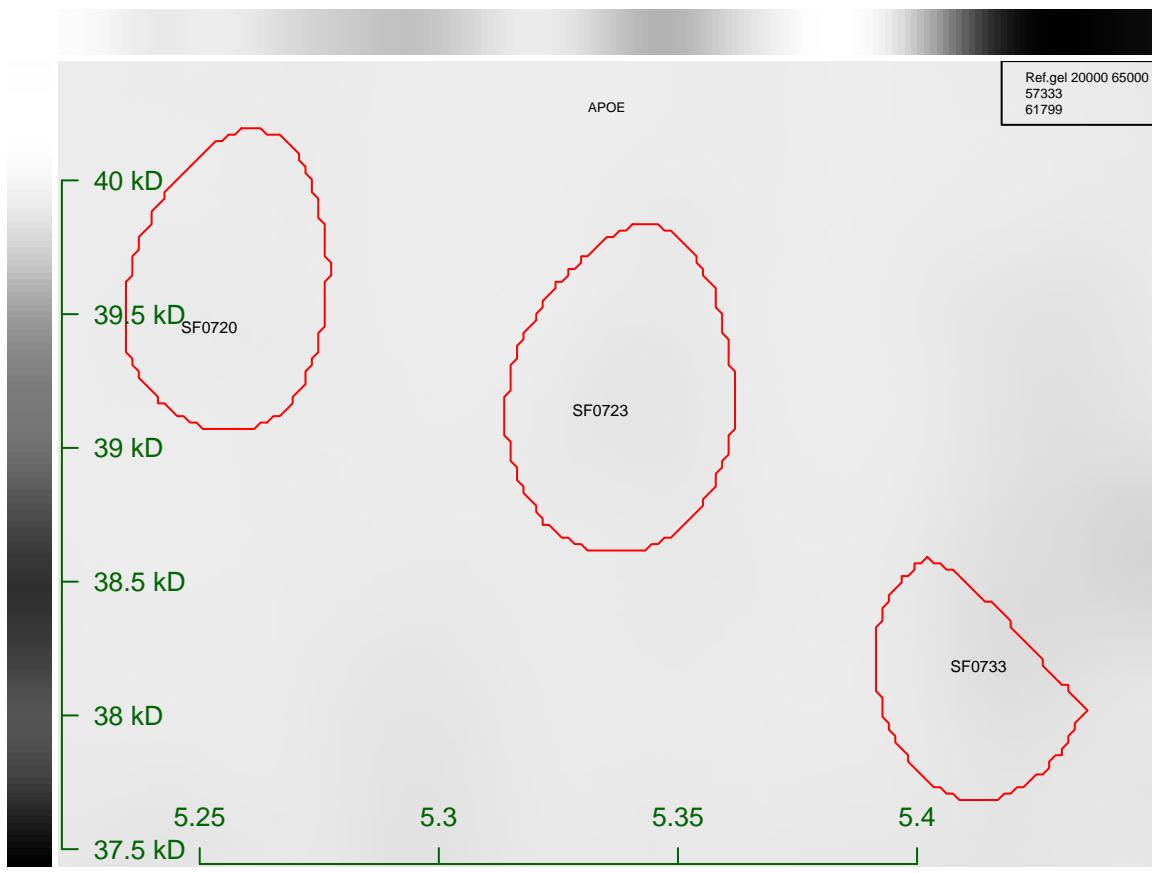


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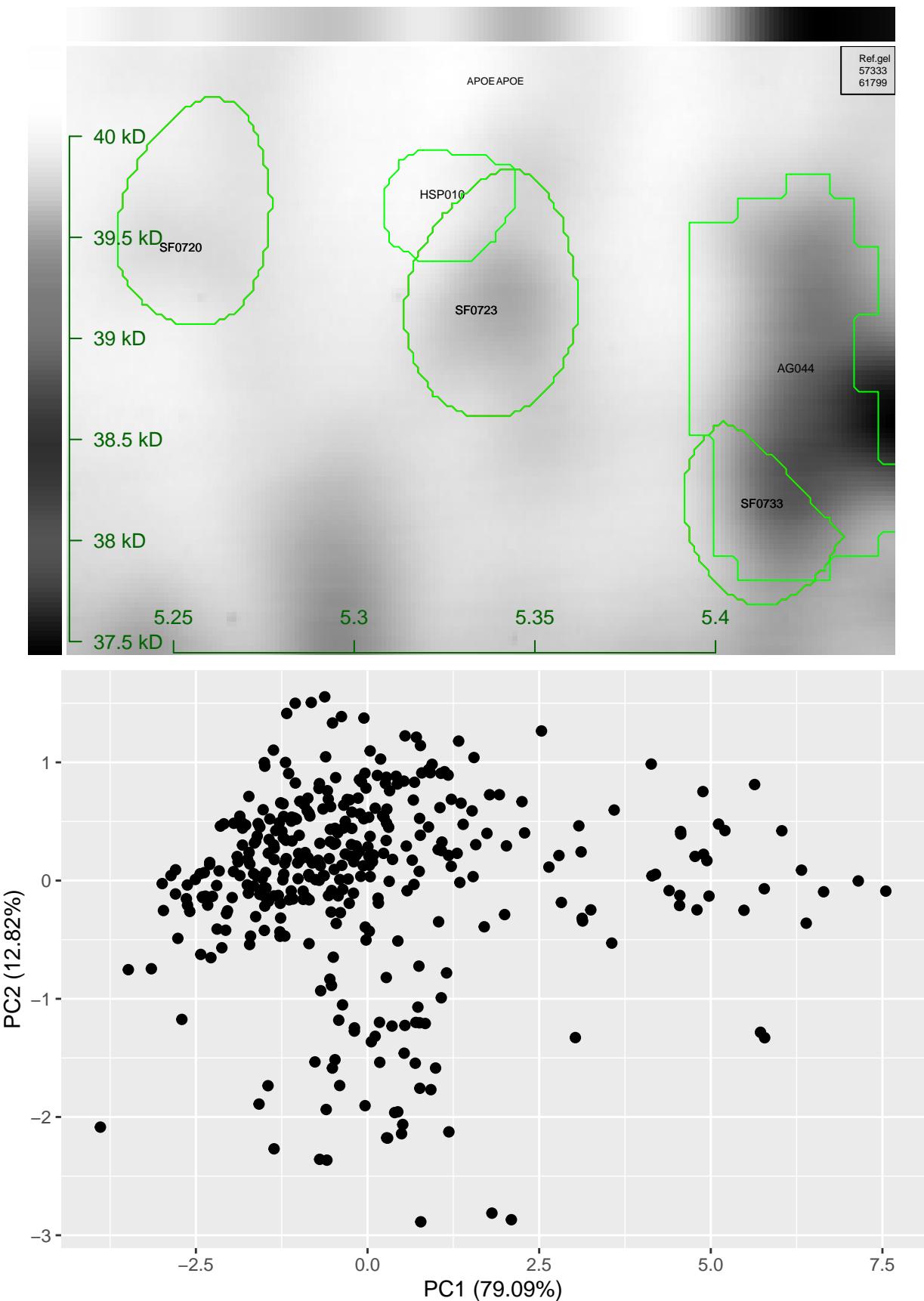


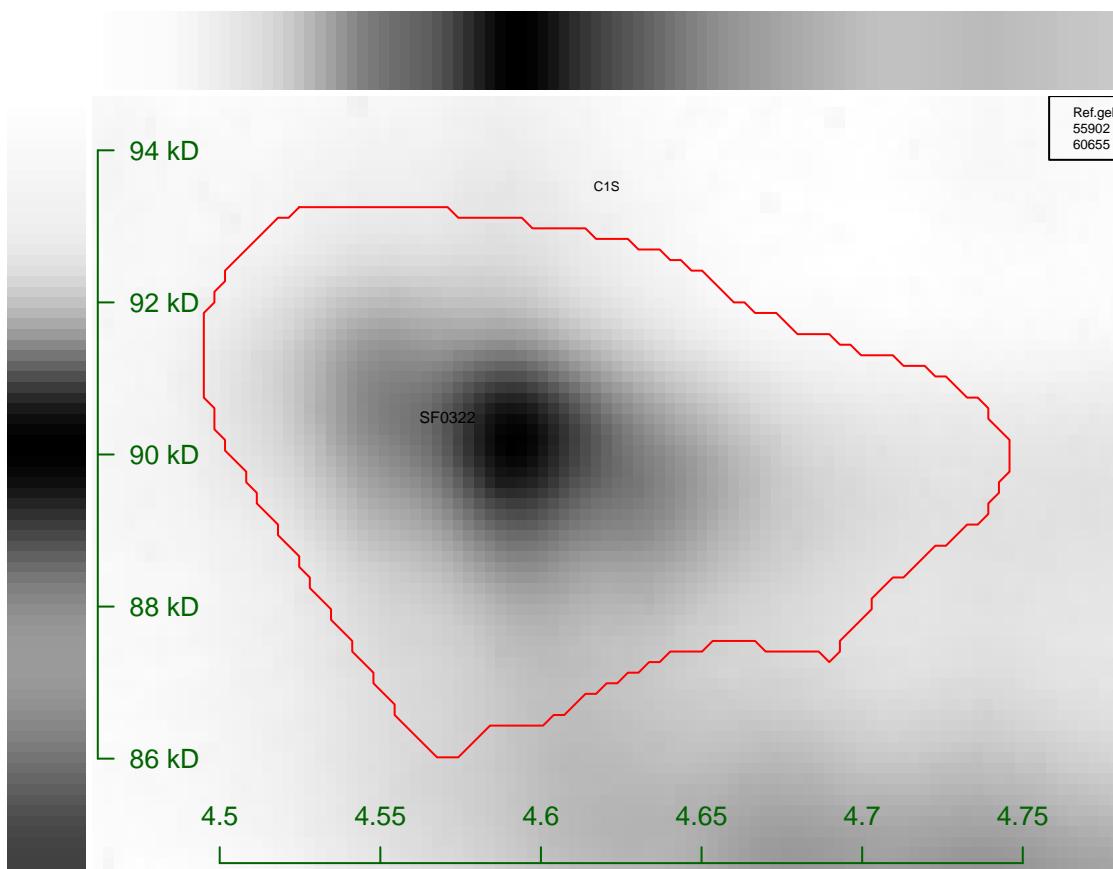


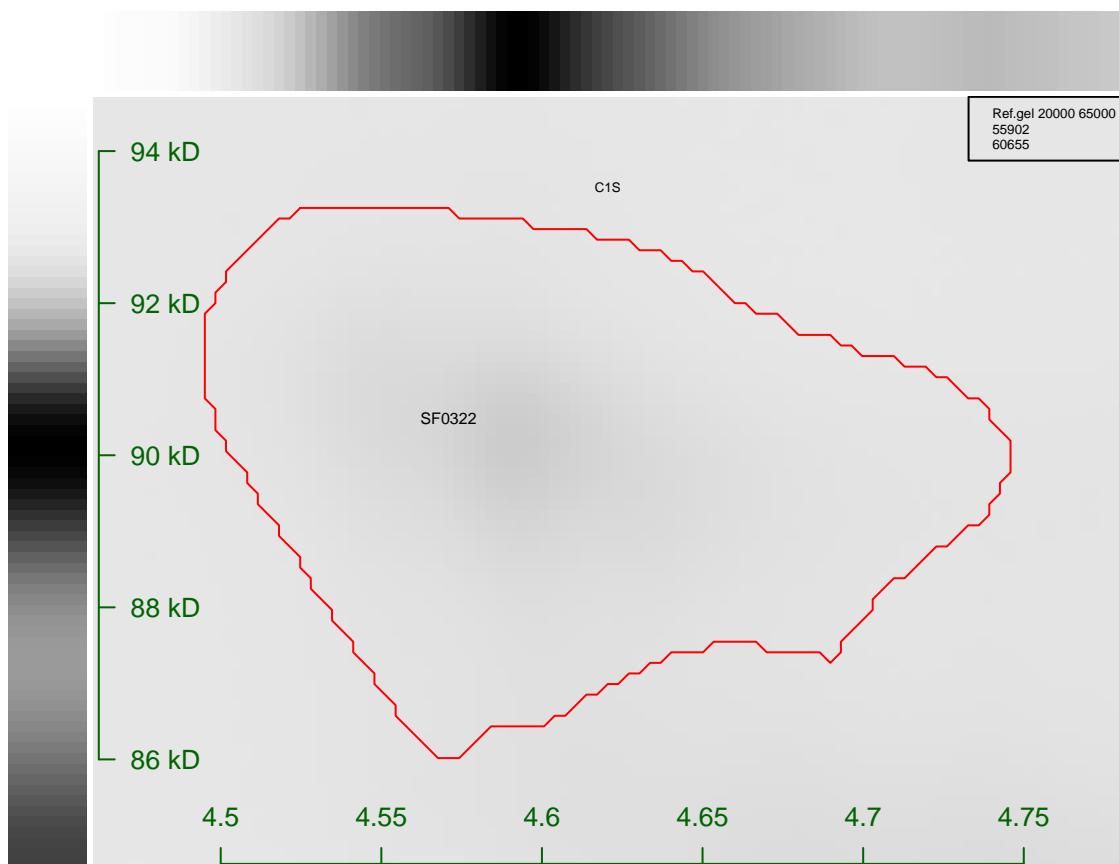
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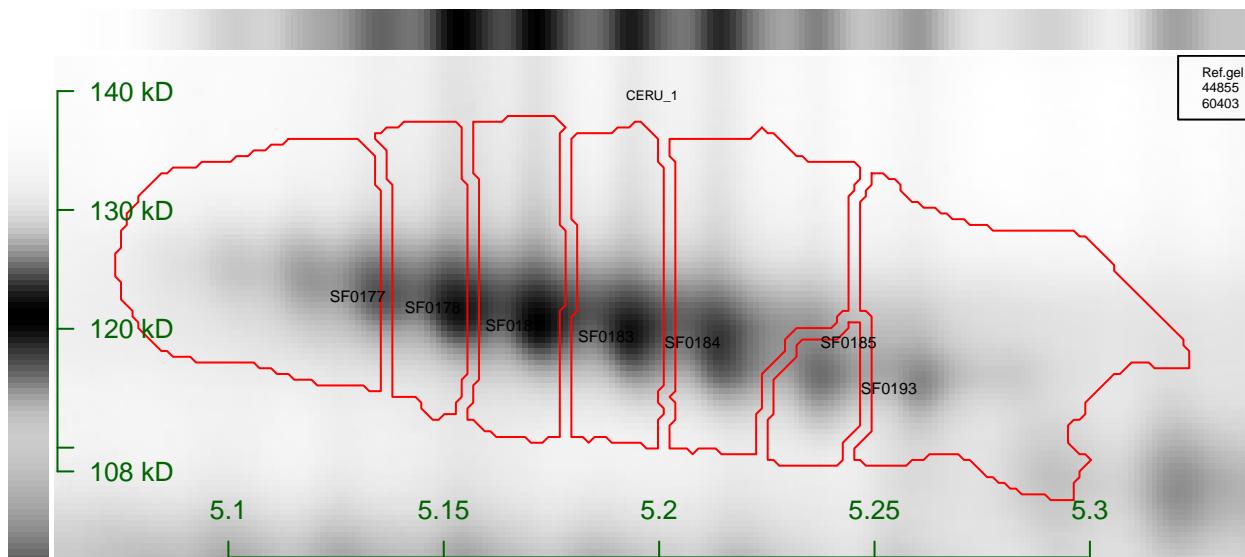


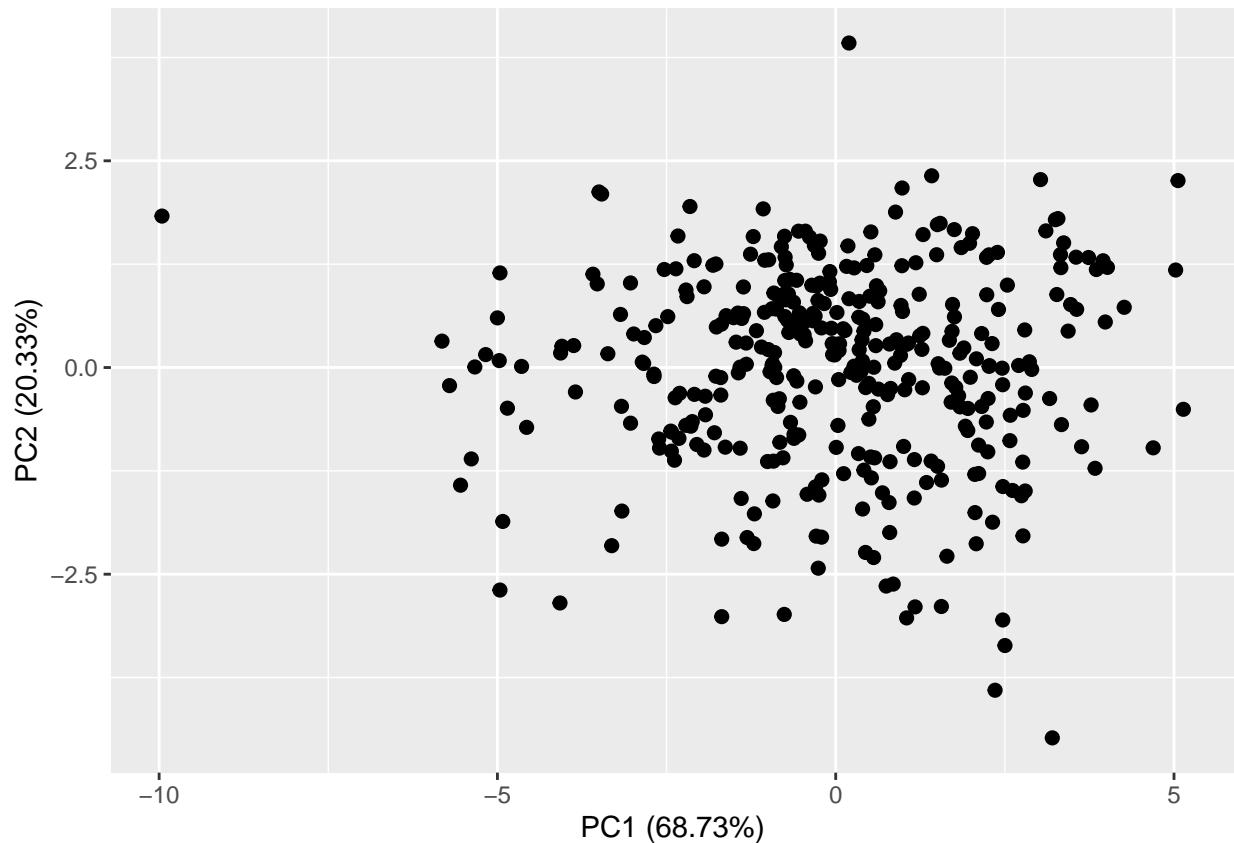
18 C1S



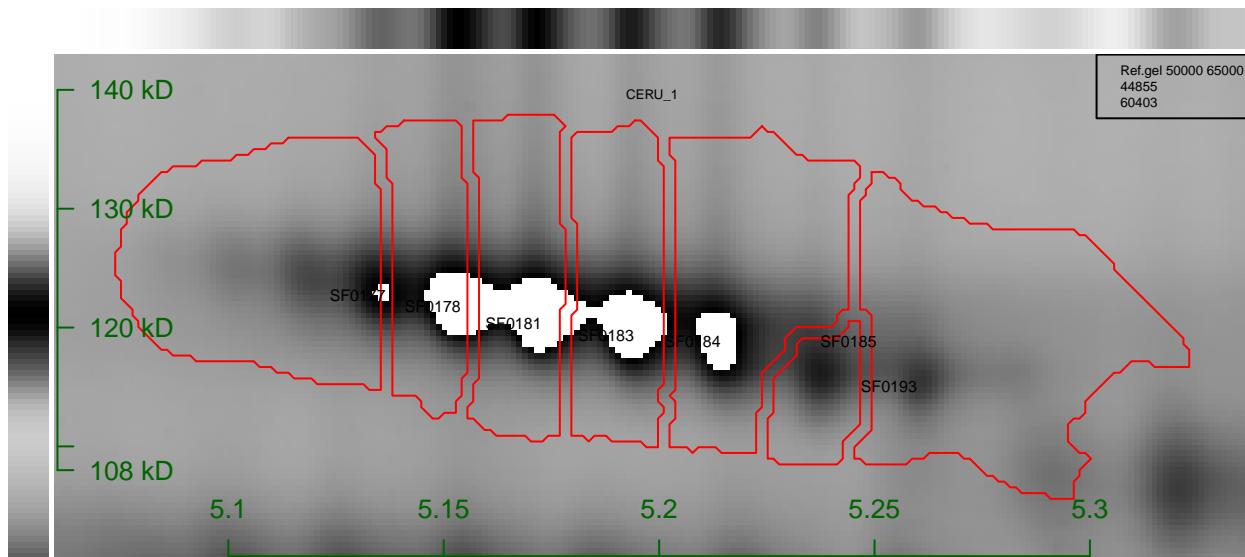
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19 CERU_1

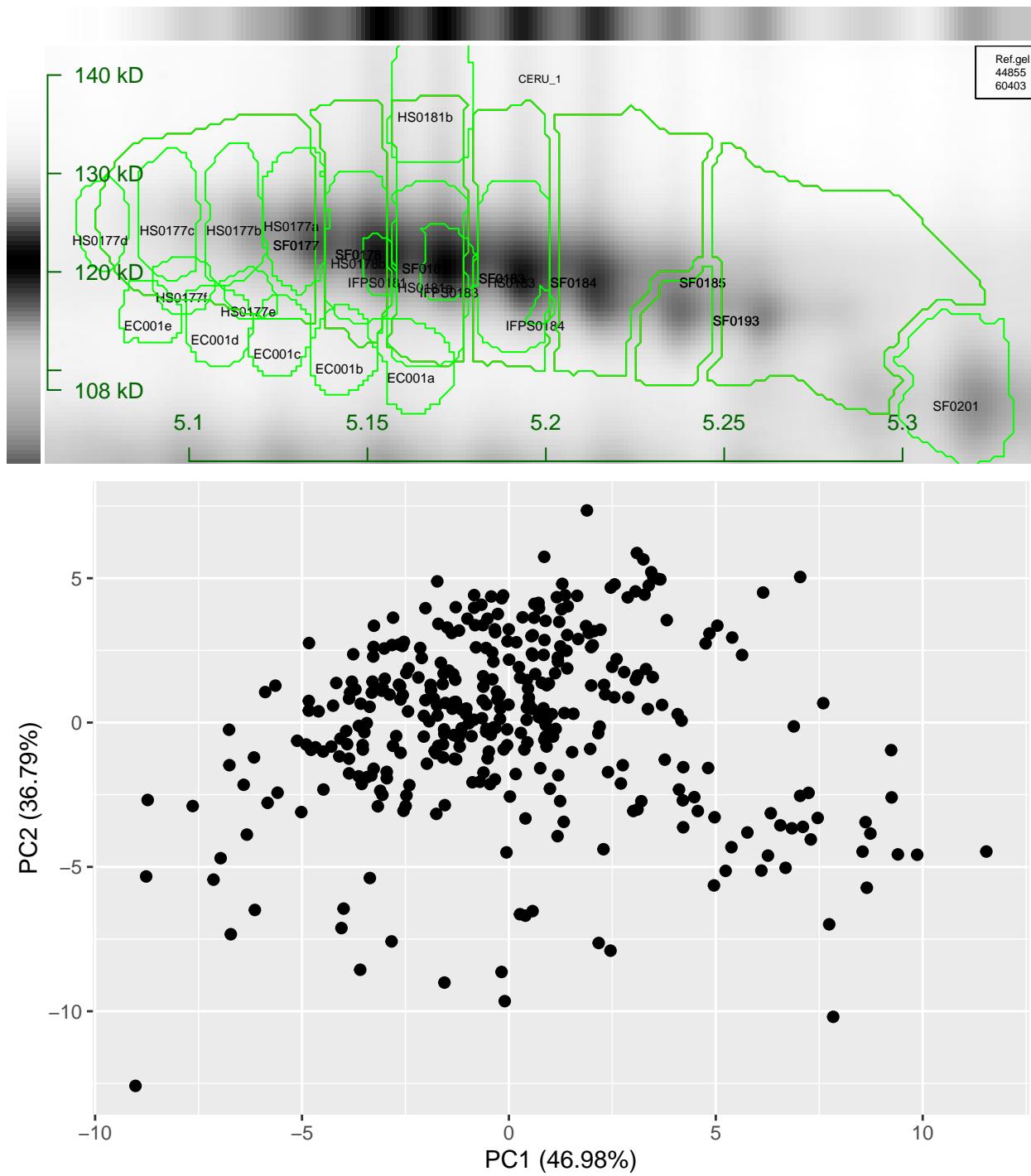




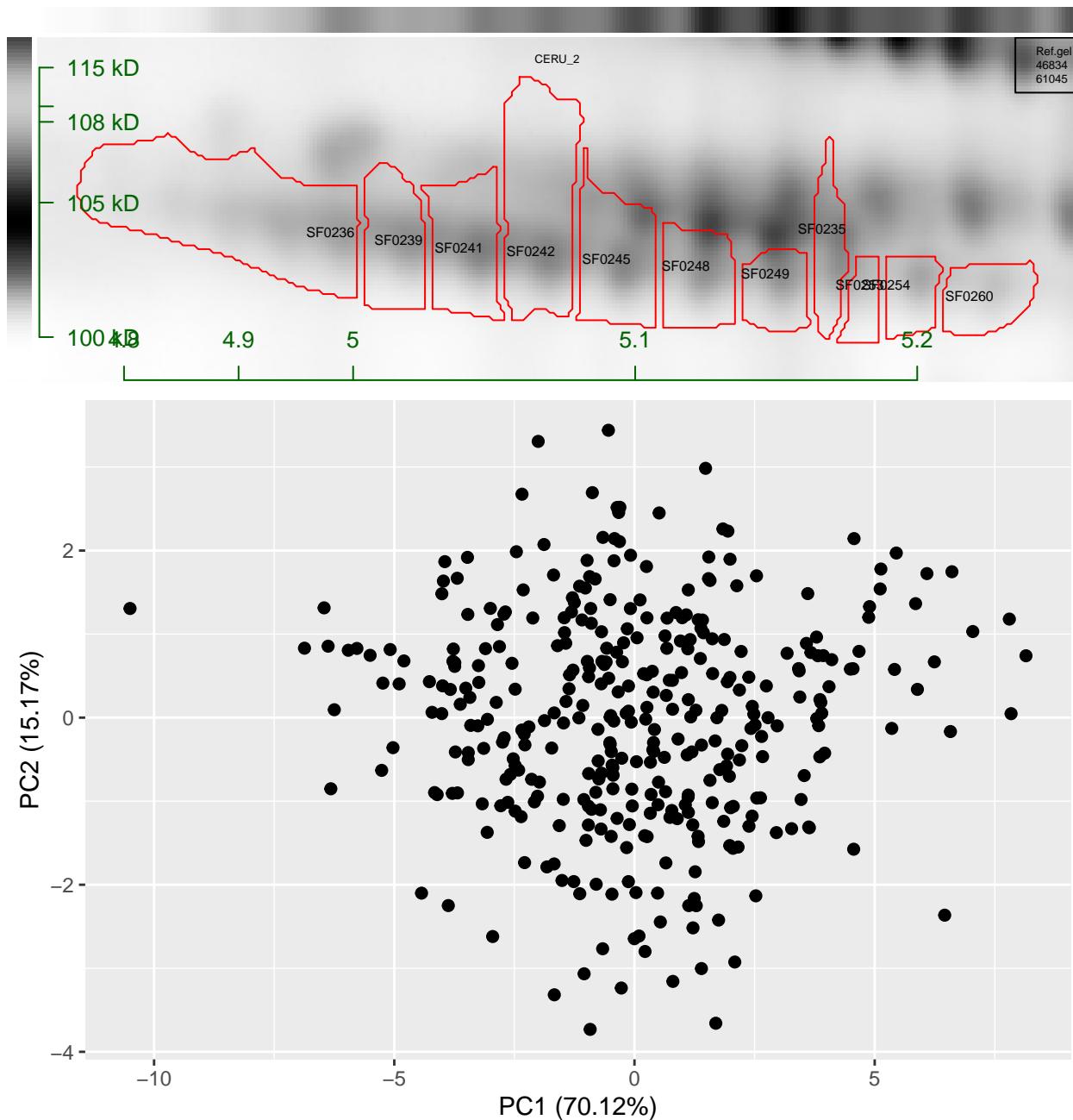
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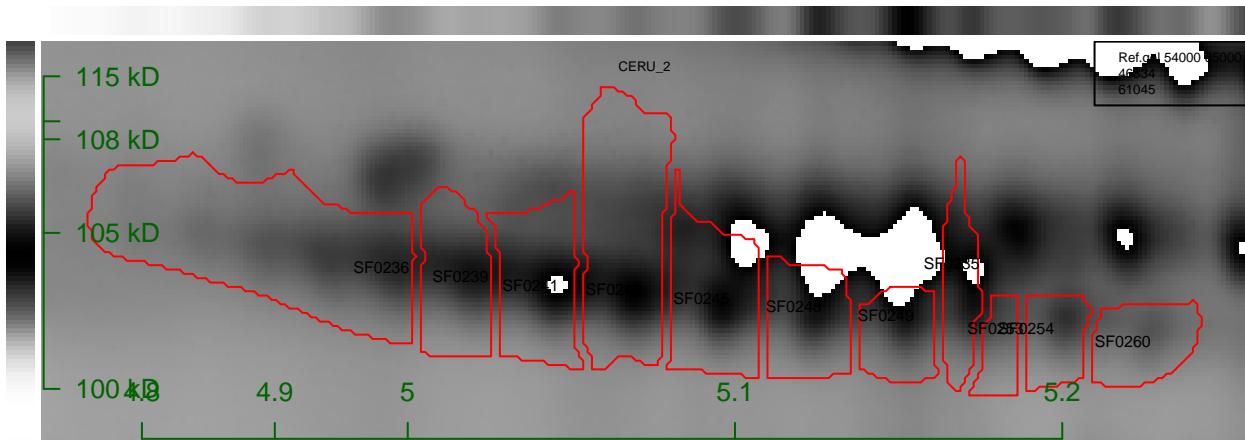
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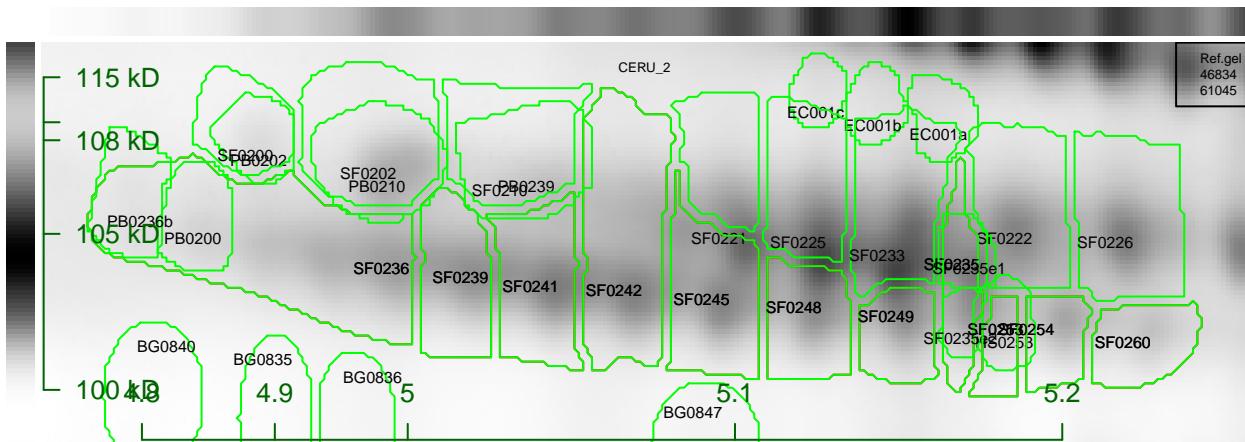
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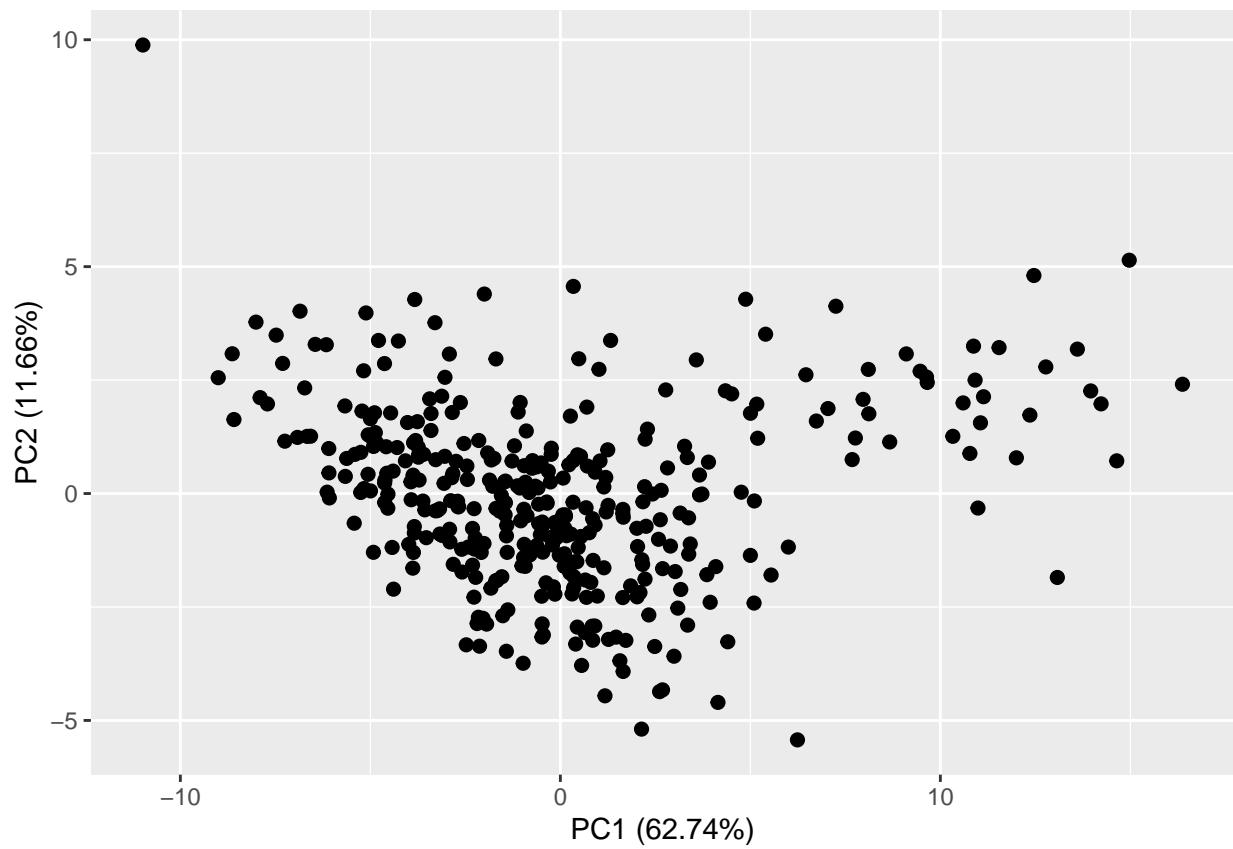


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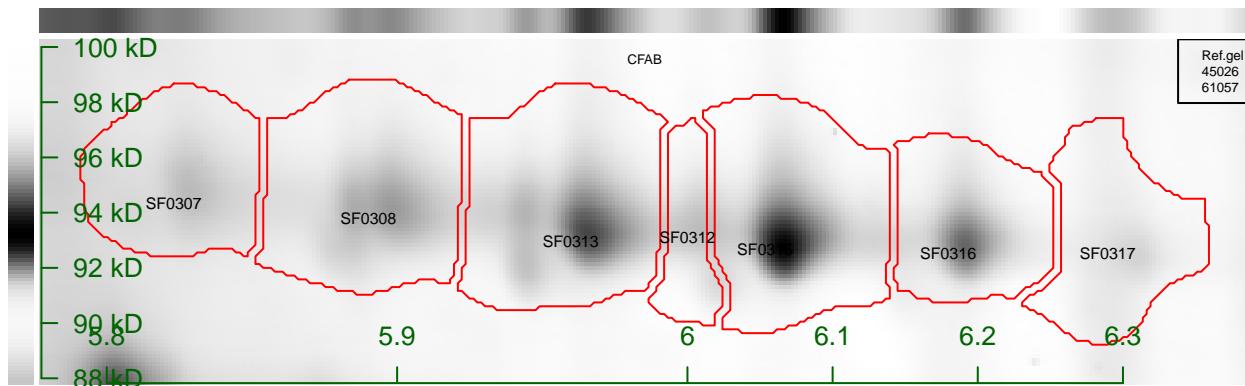


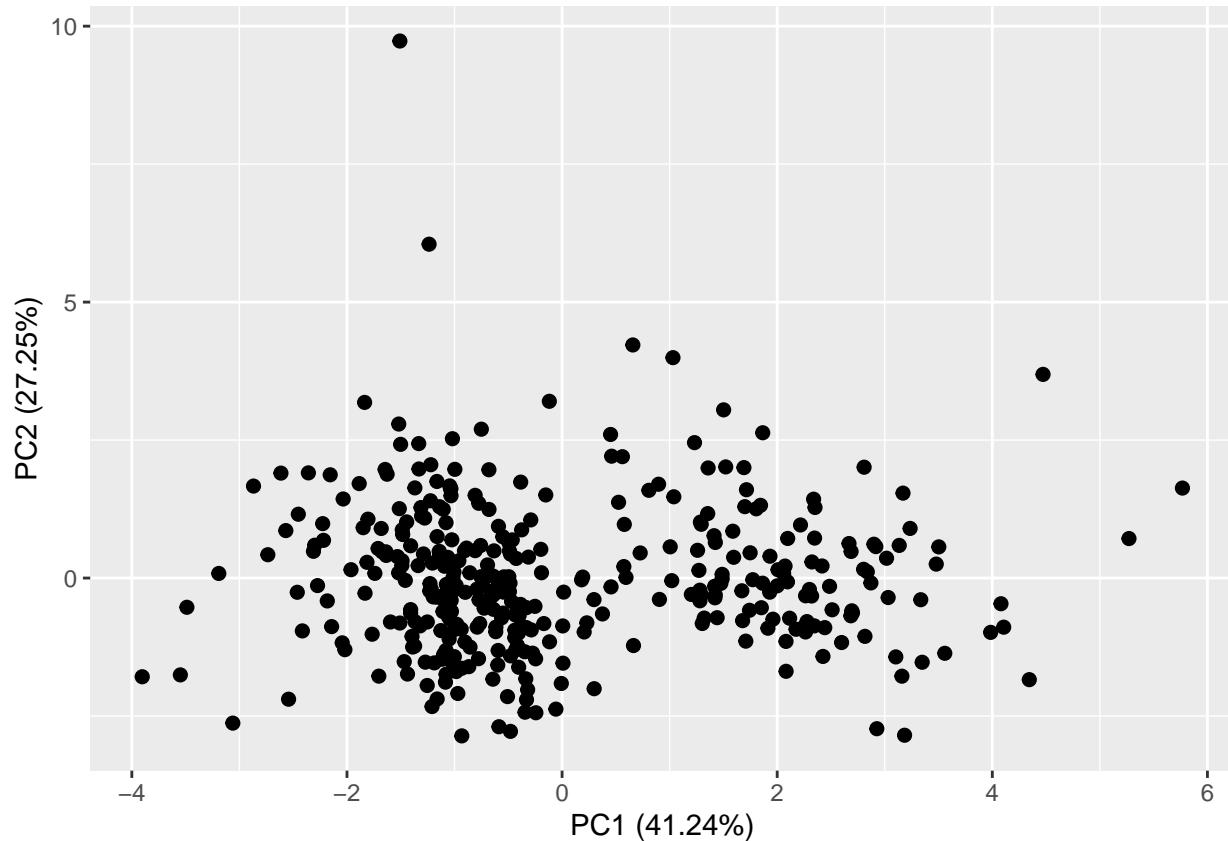
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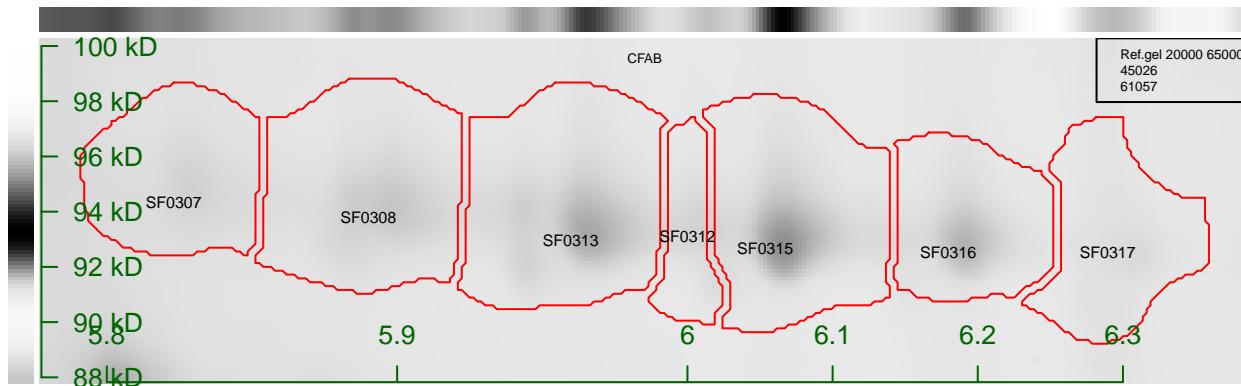


21 CFAB

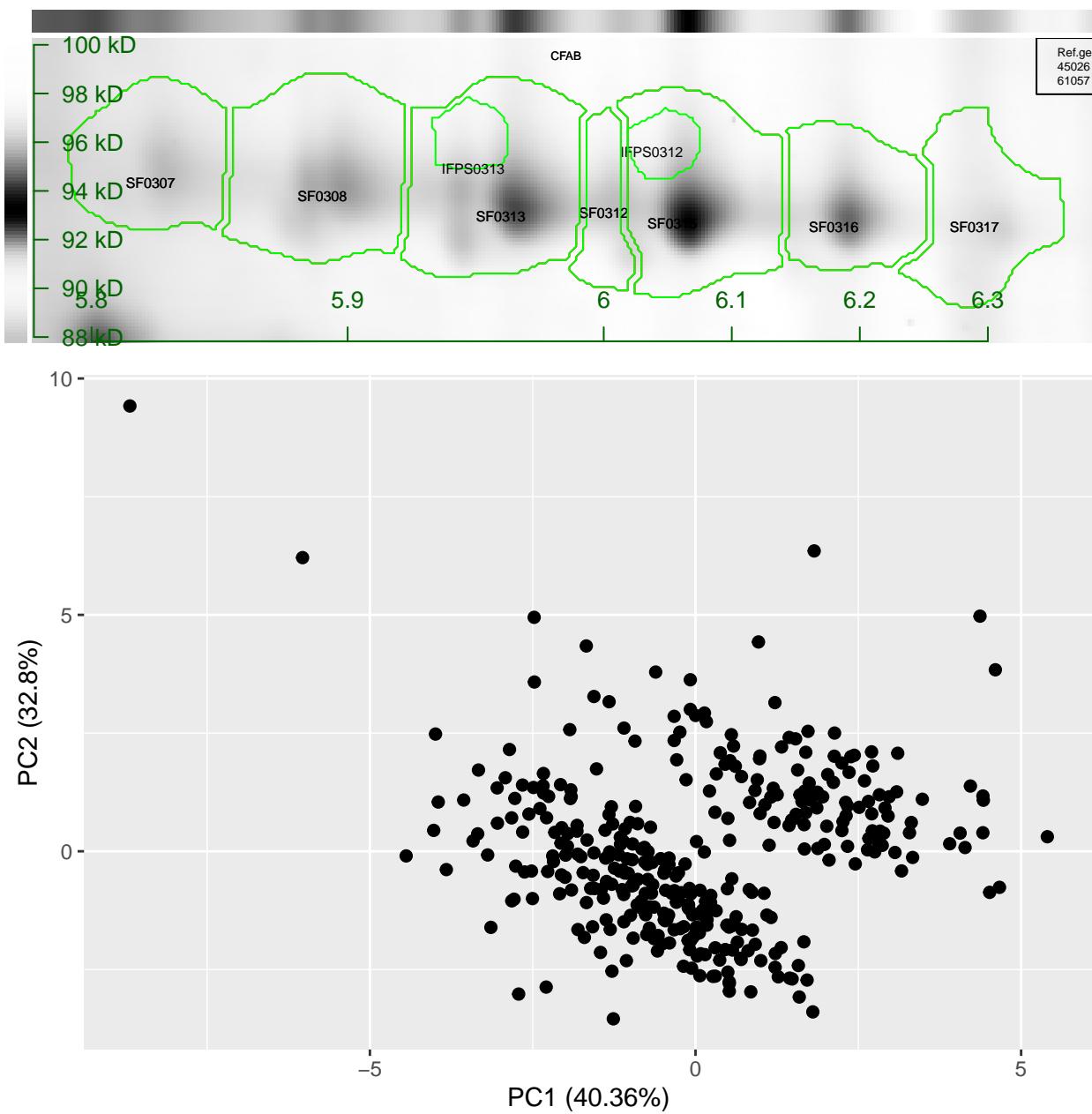




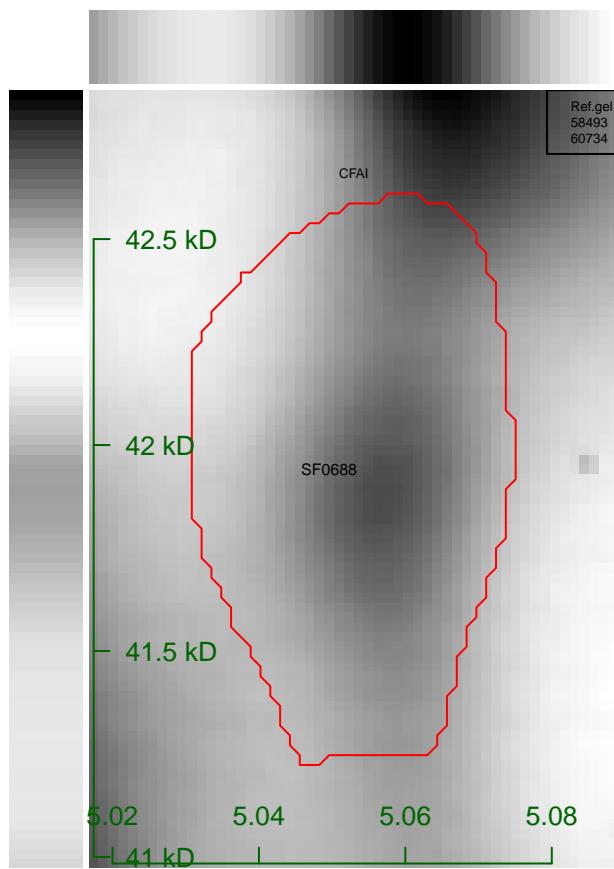
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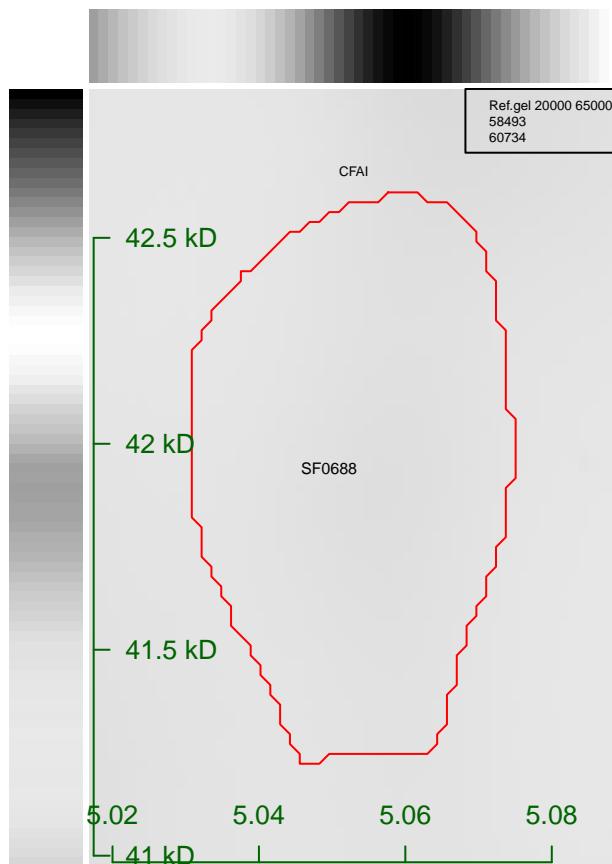
All available features in area



22 CFAI

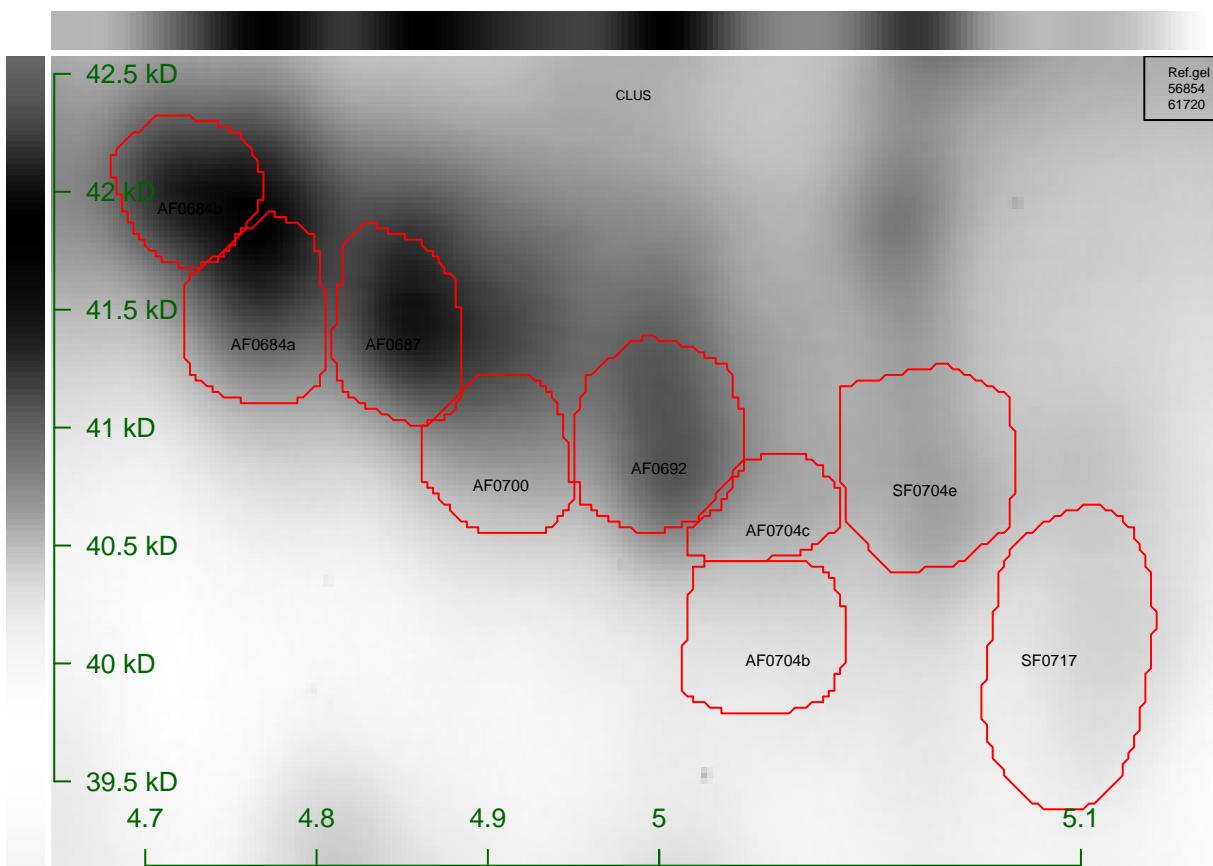


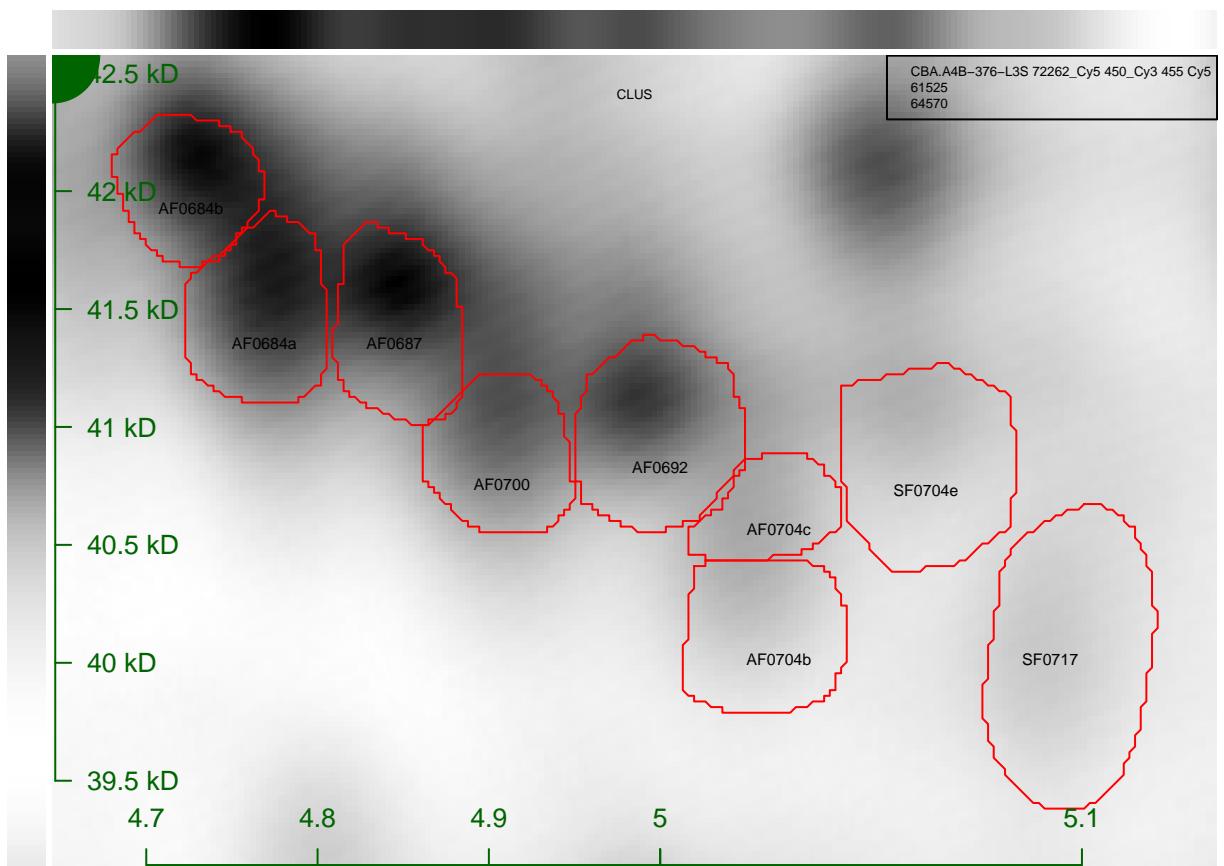
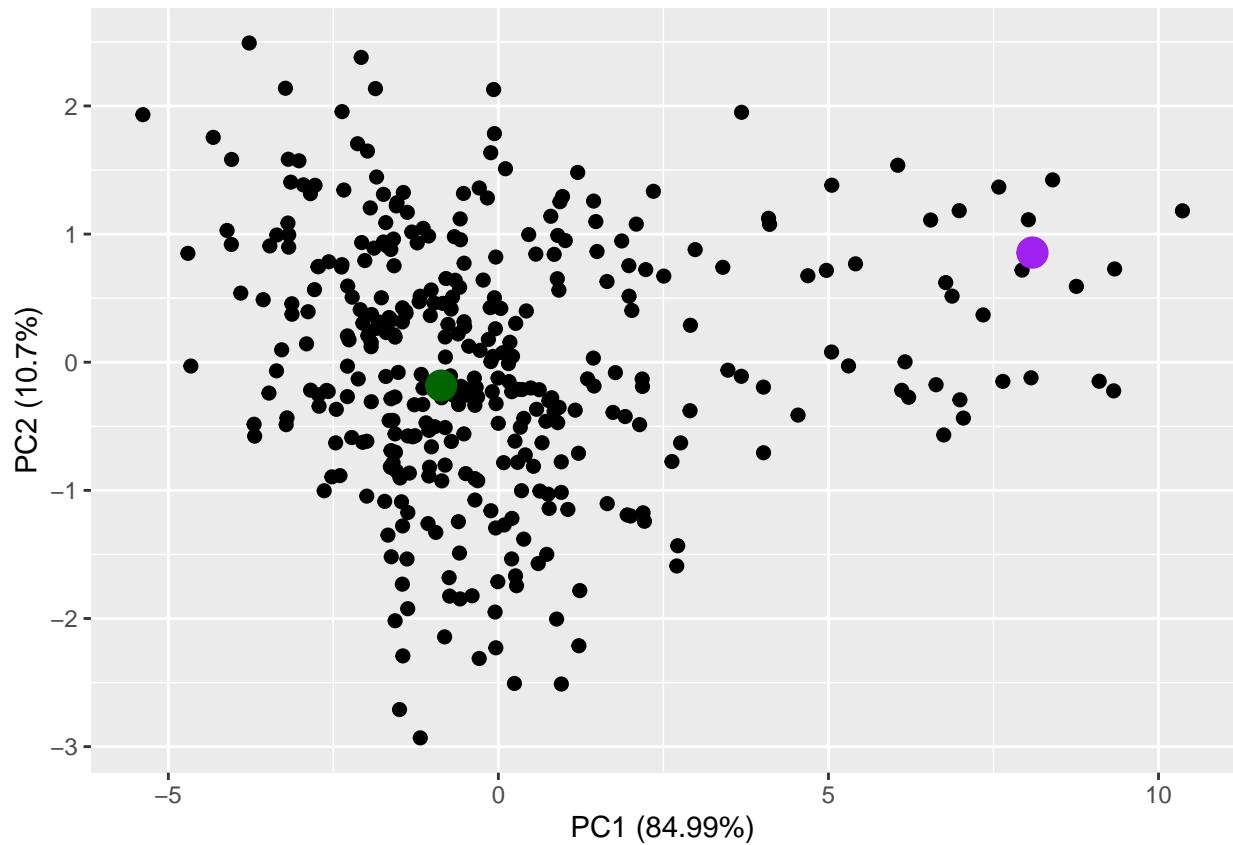
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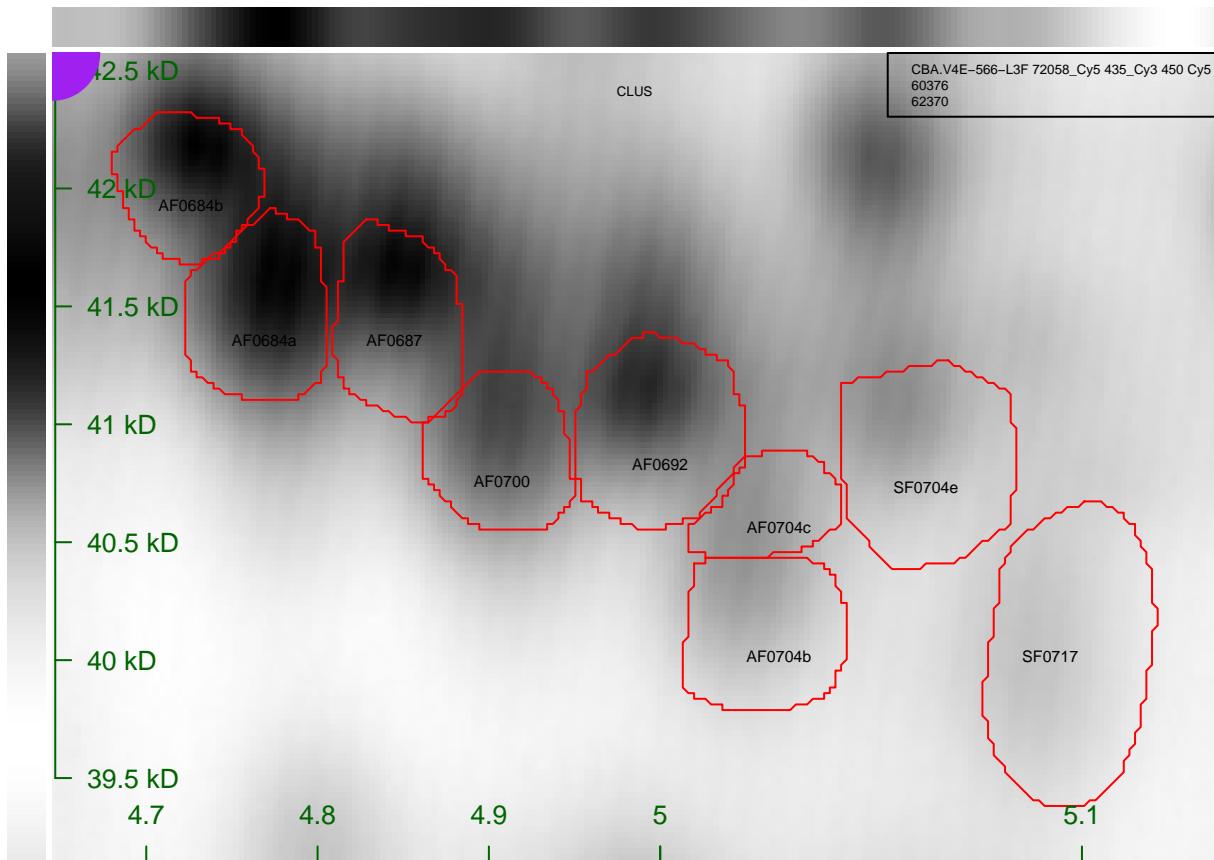


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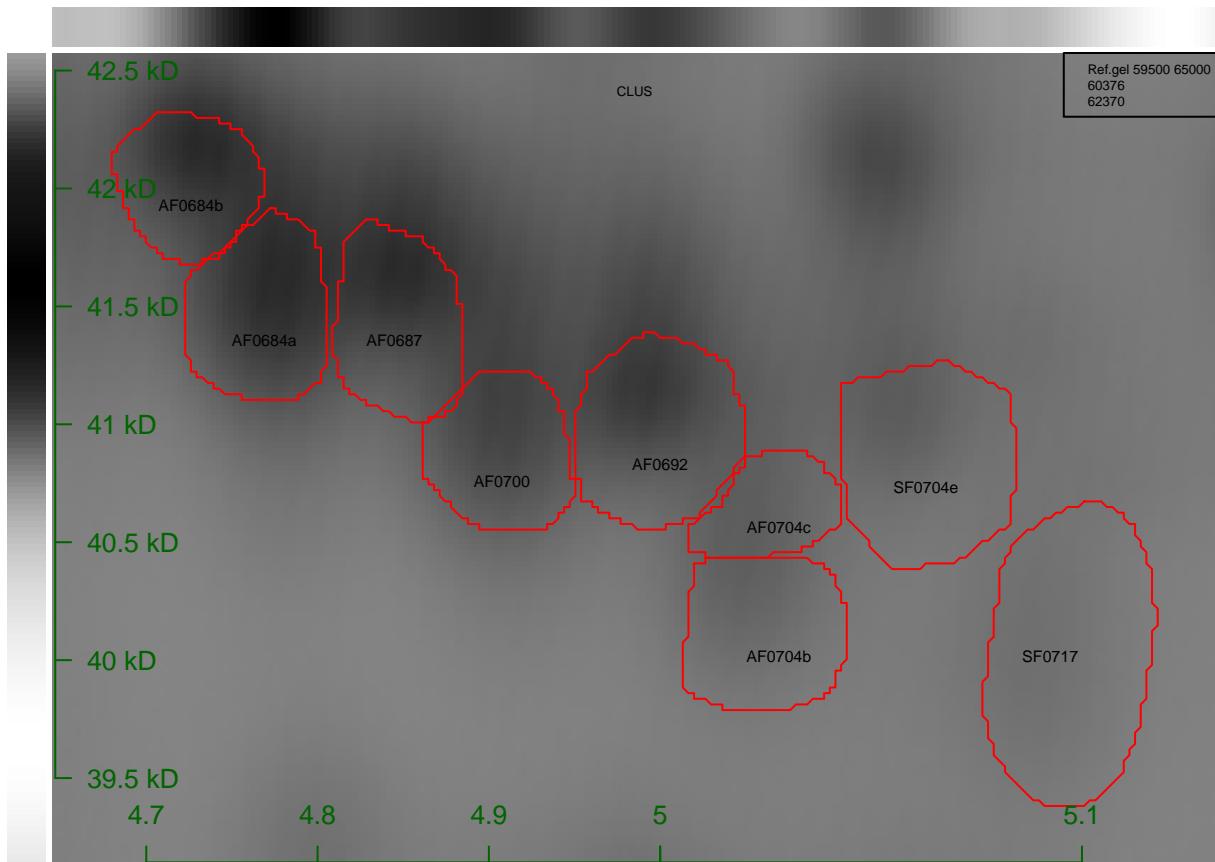
23 CLUS (Cluster)



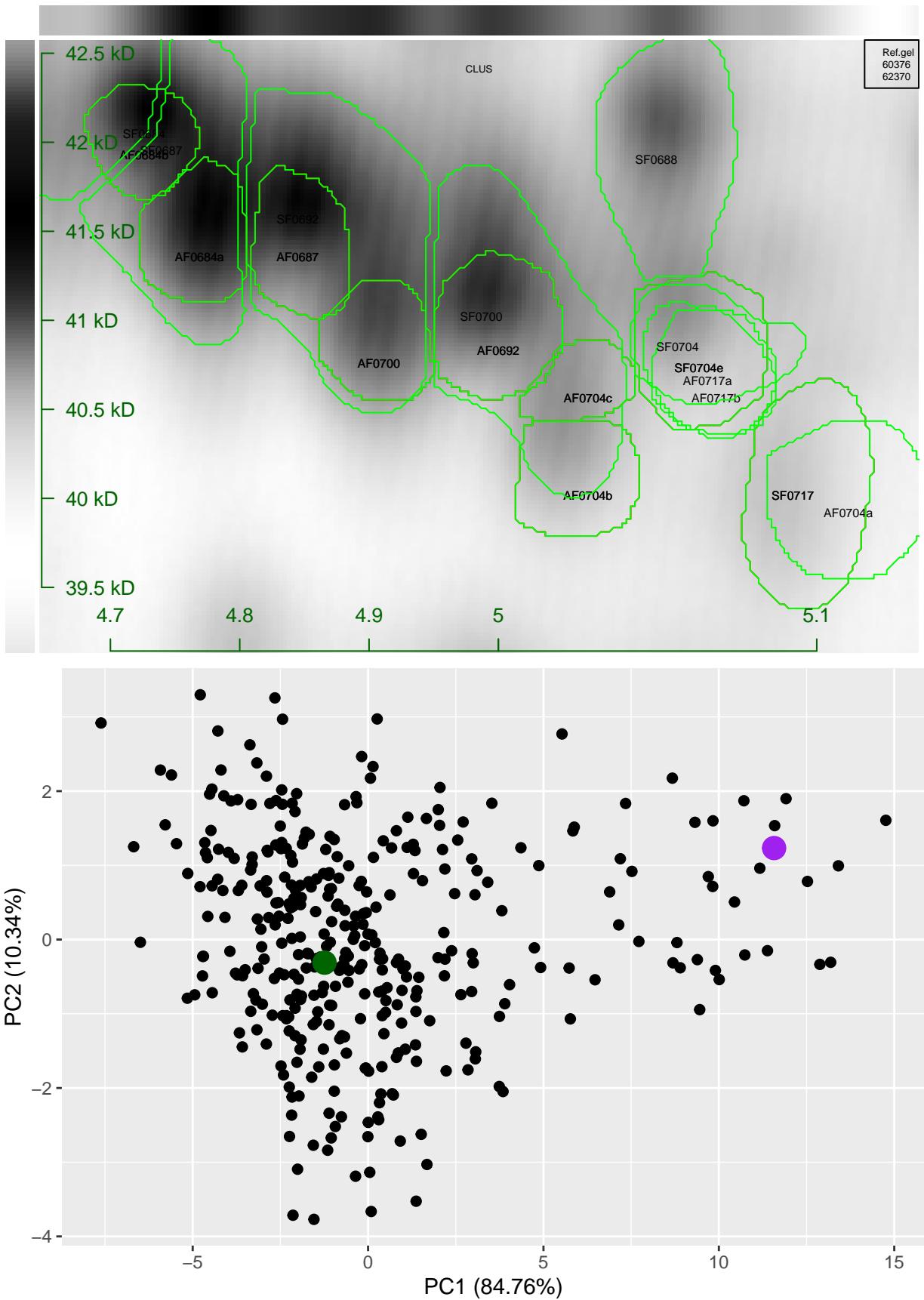


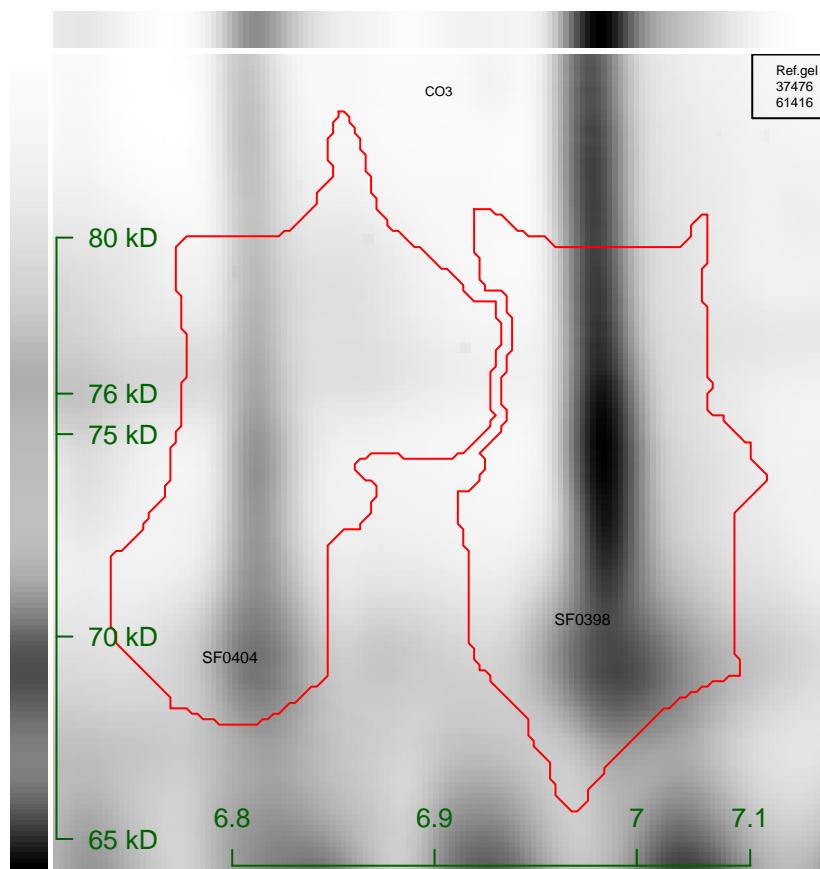


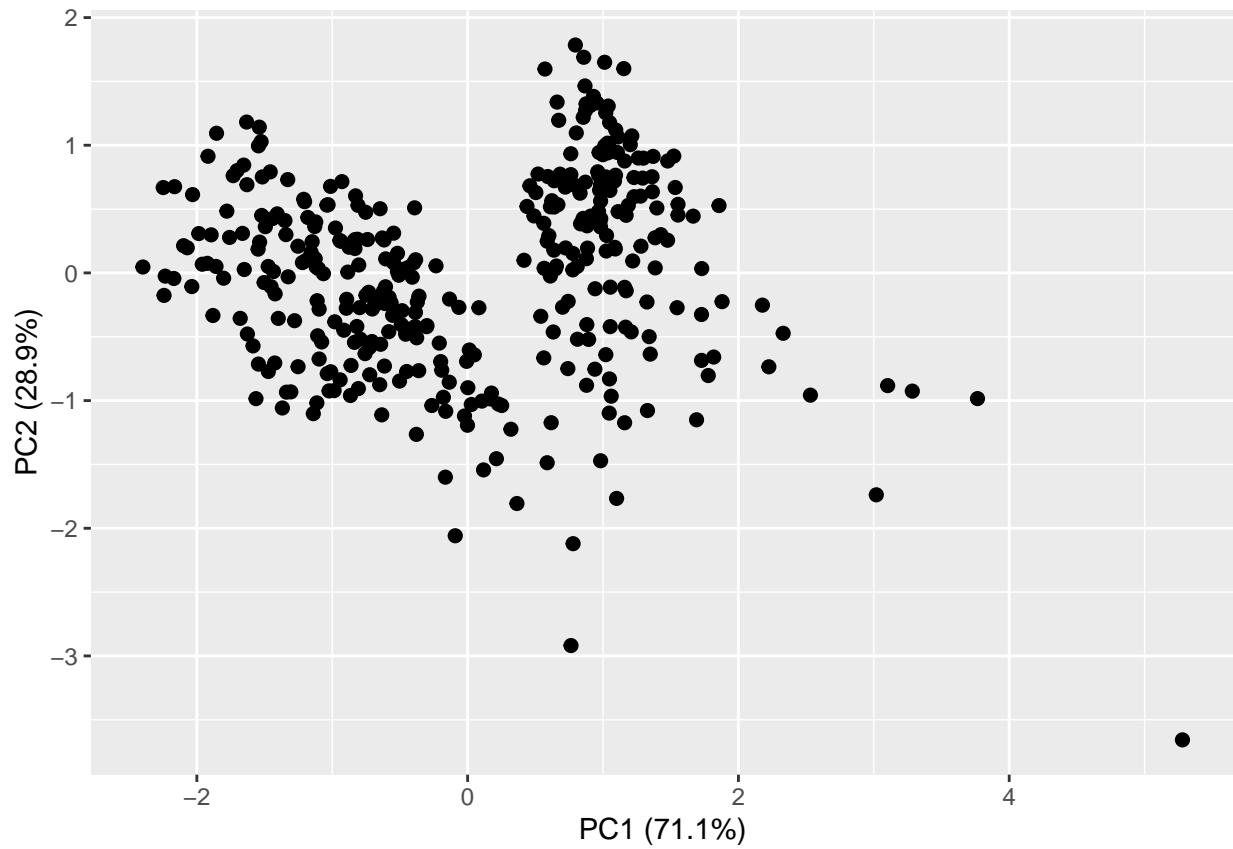
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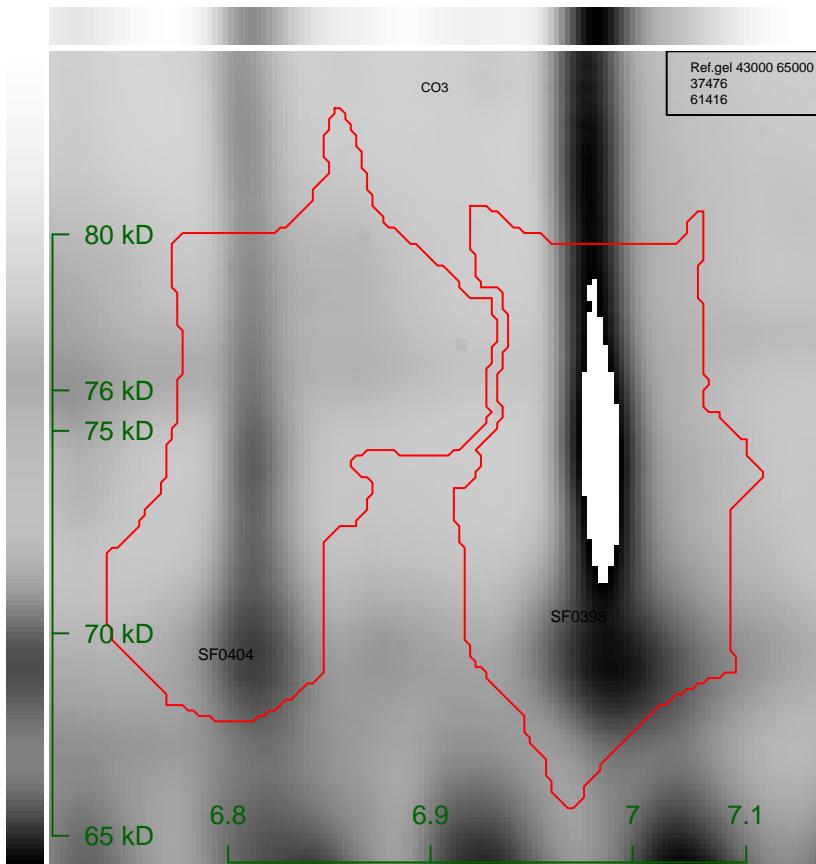
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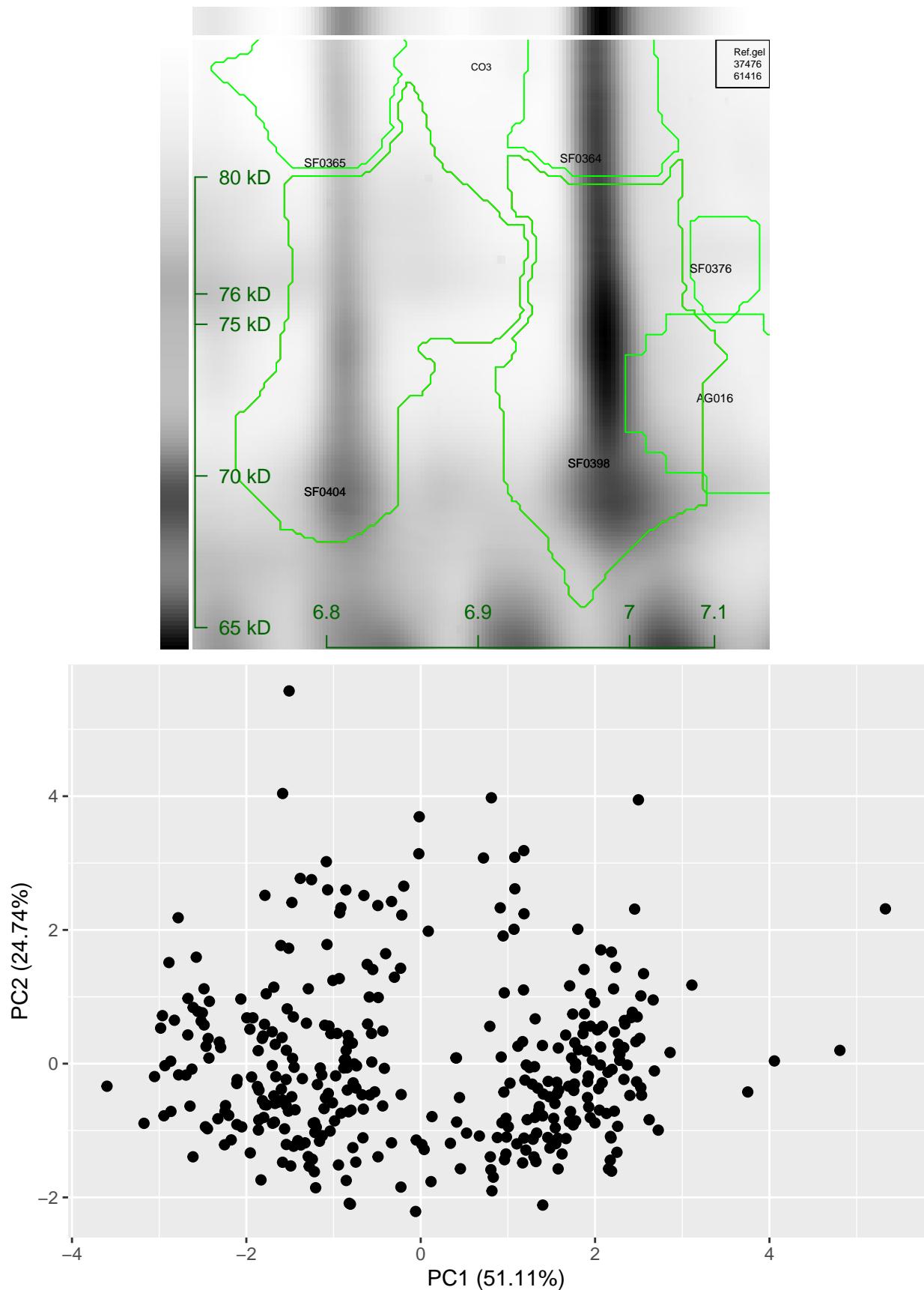
24 CO3

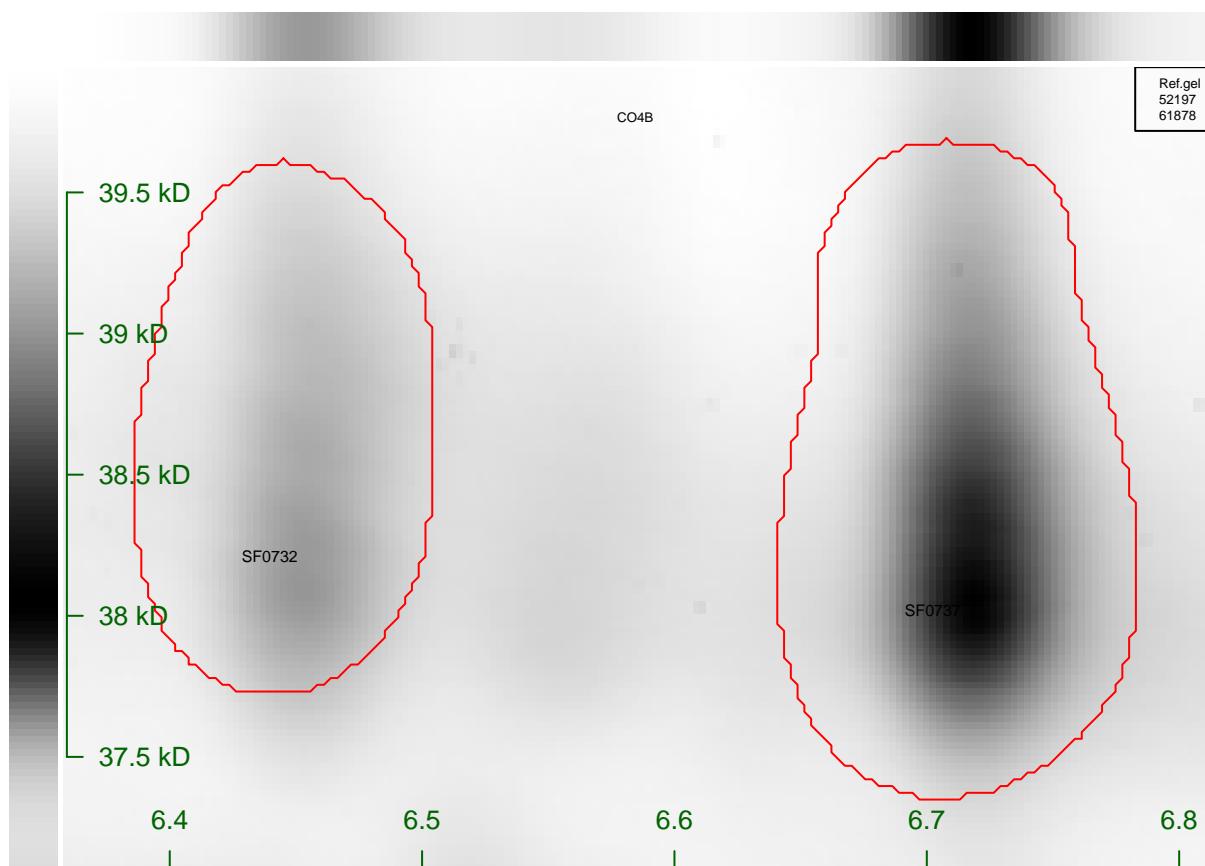


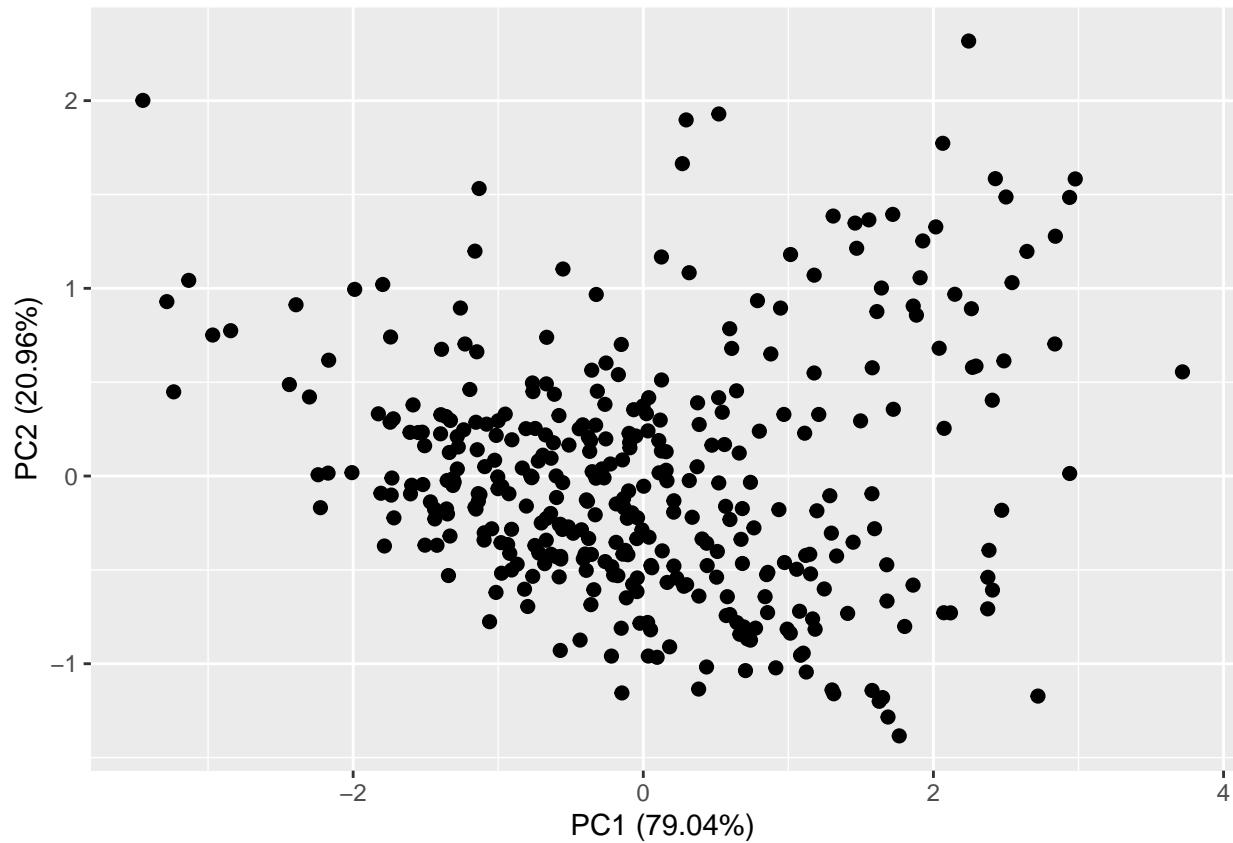
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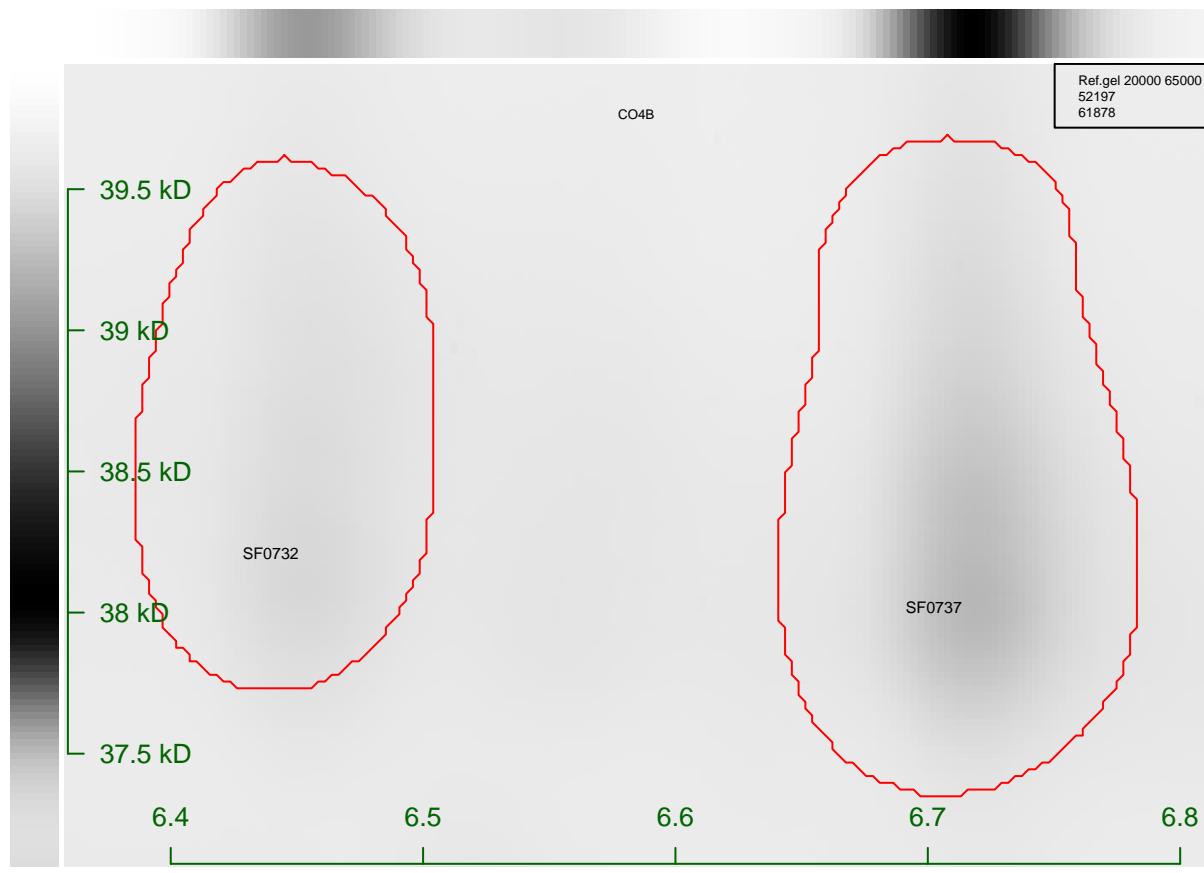
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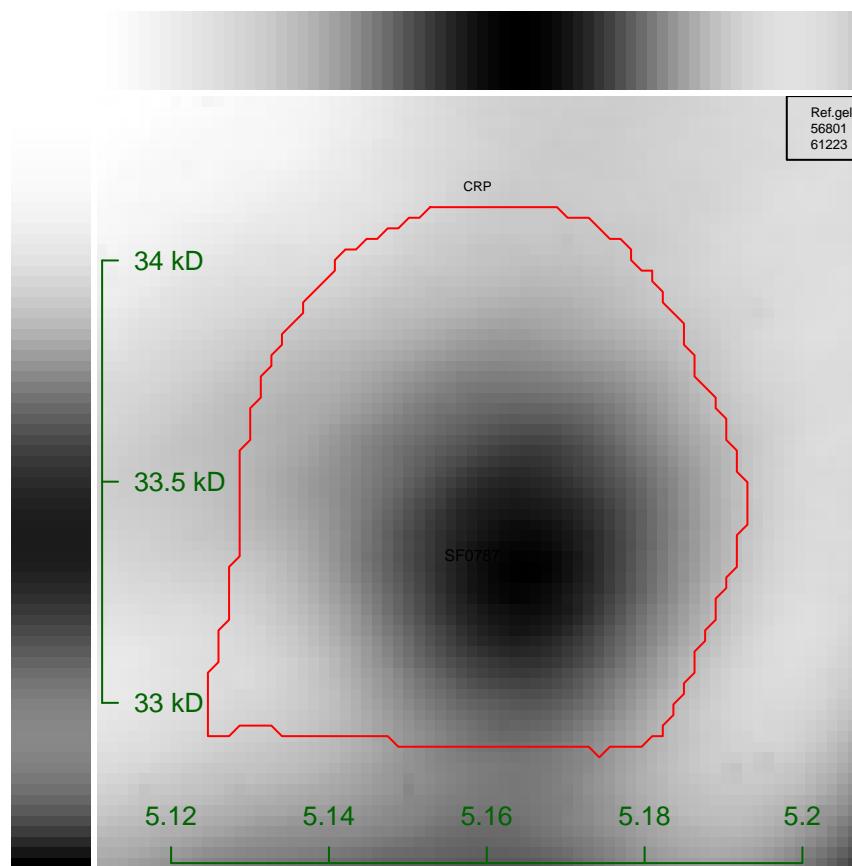
25 CO4B



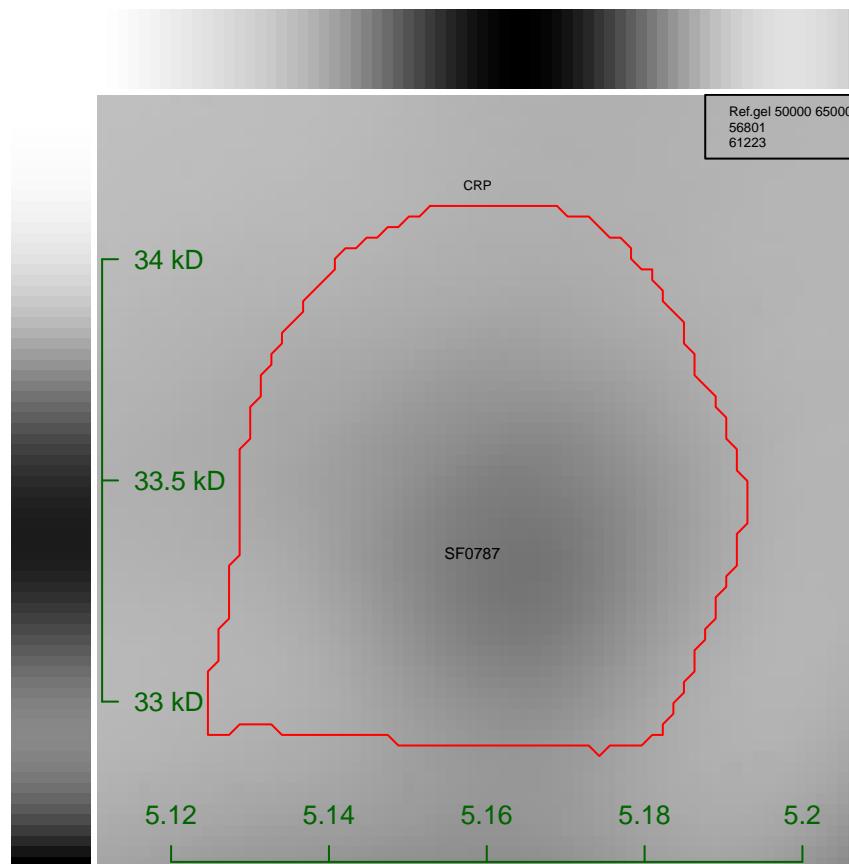
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26 CRP

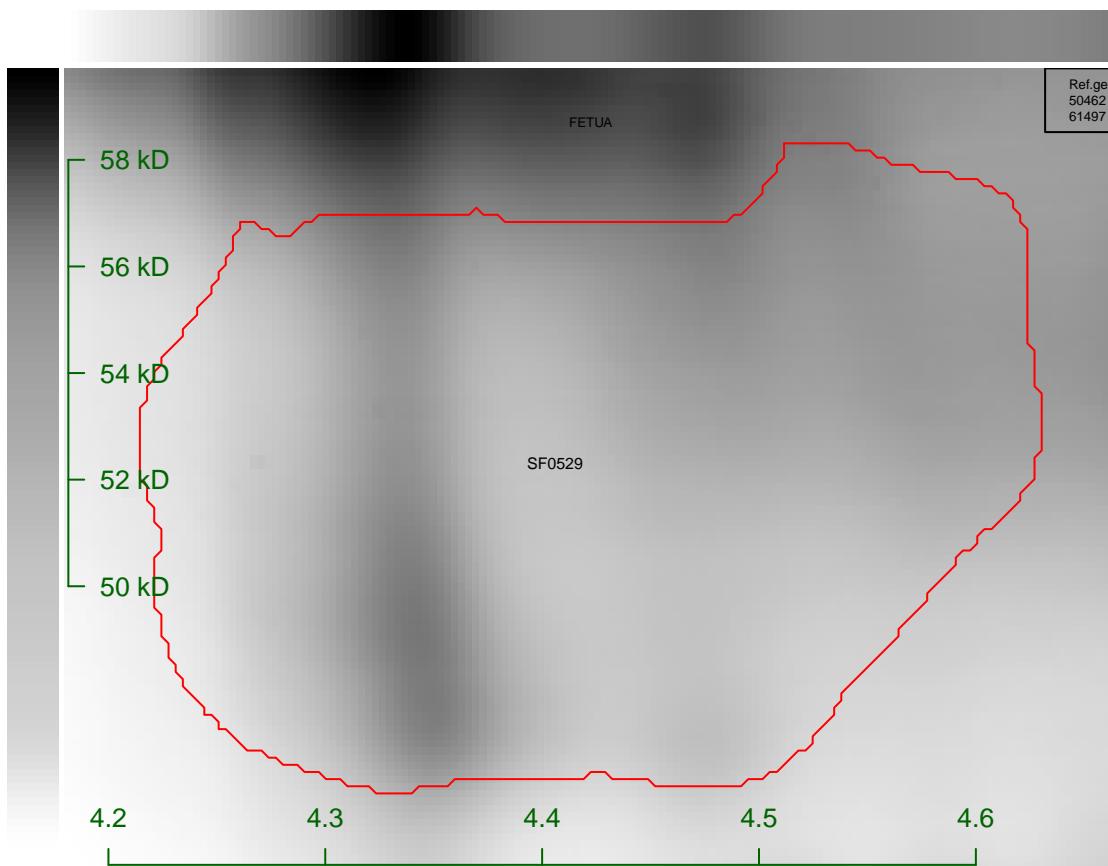


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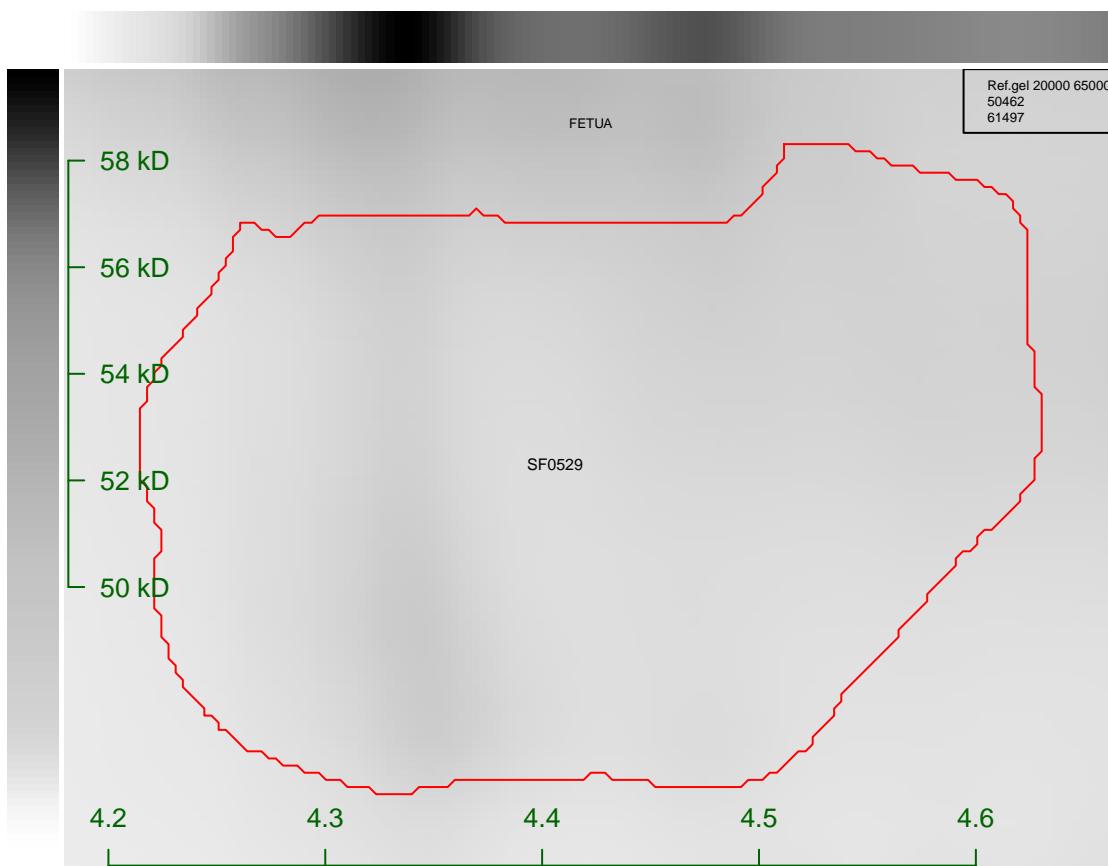


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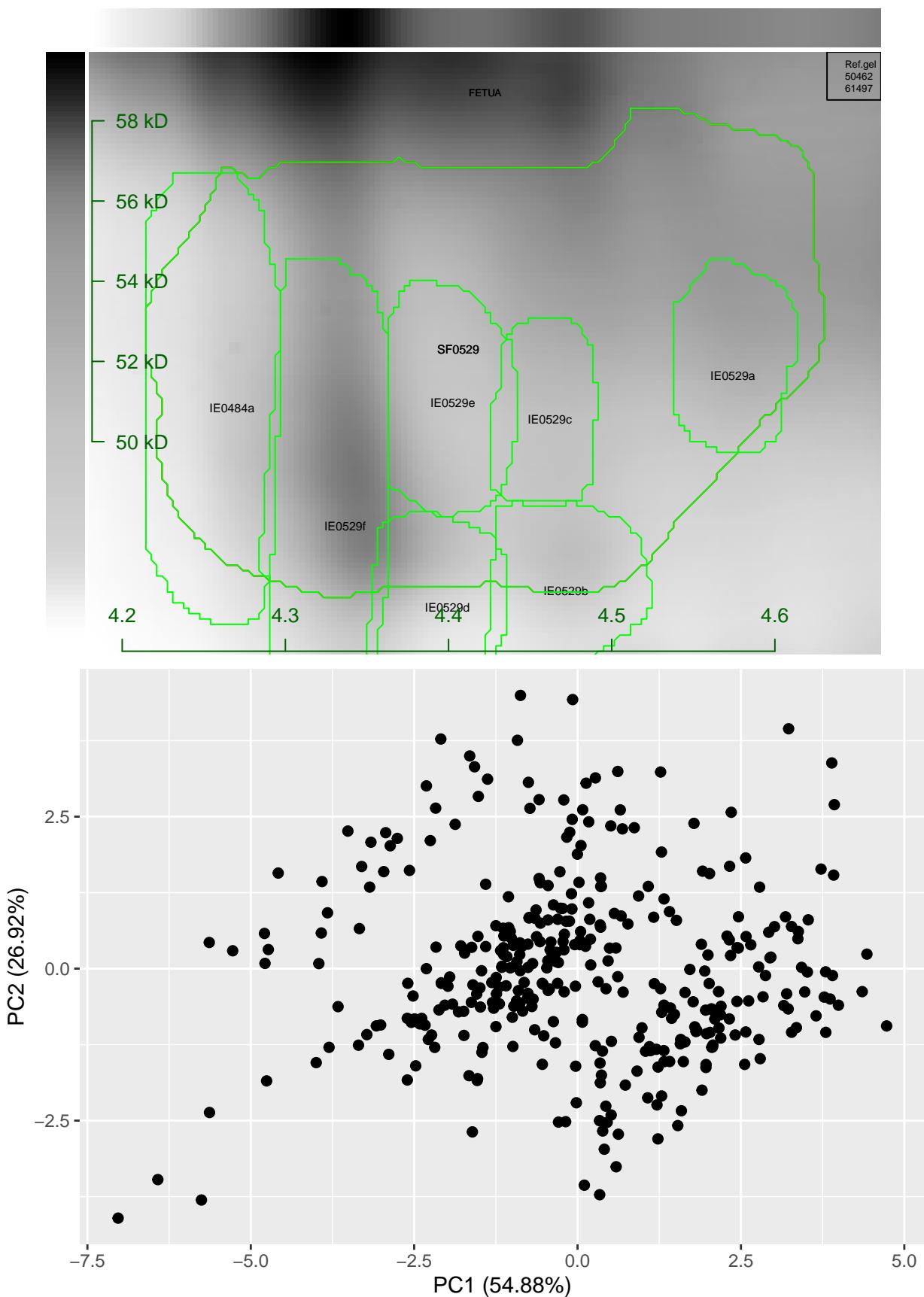
27 FETUA



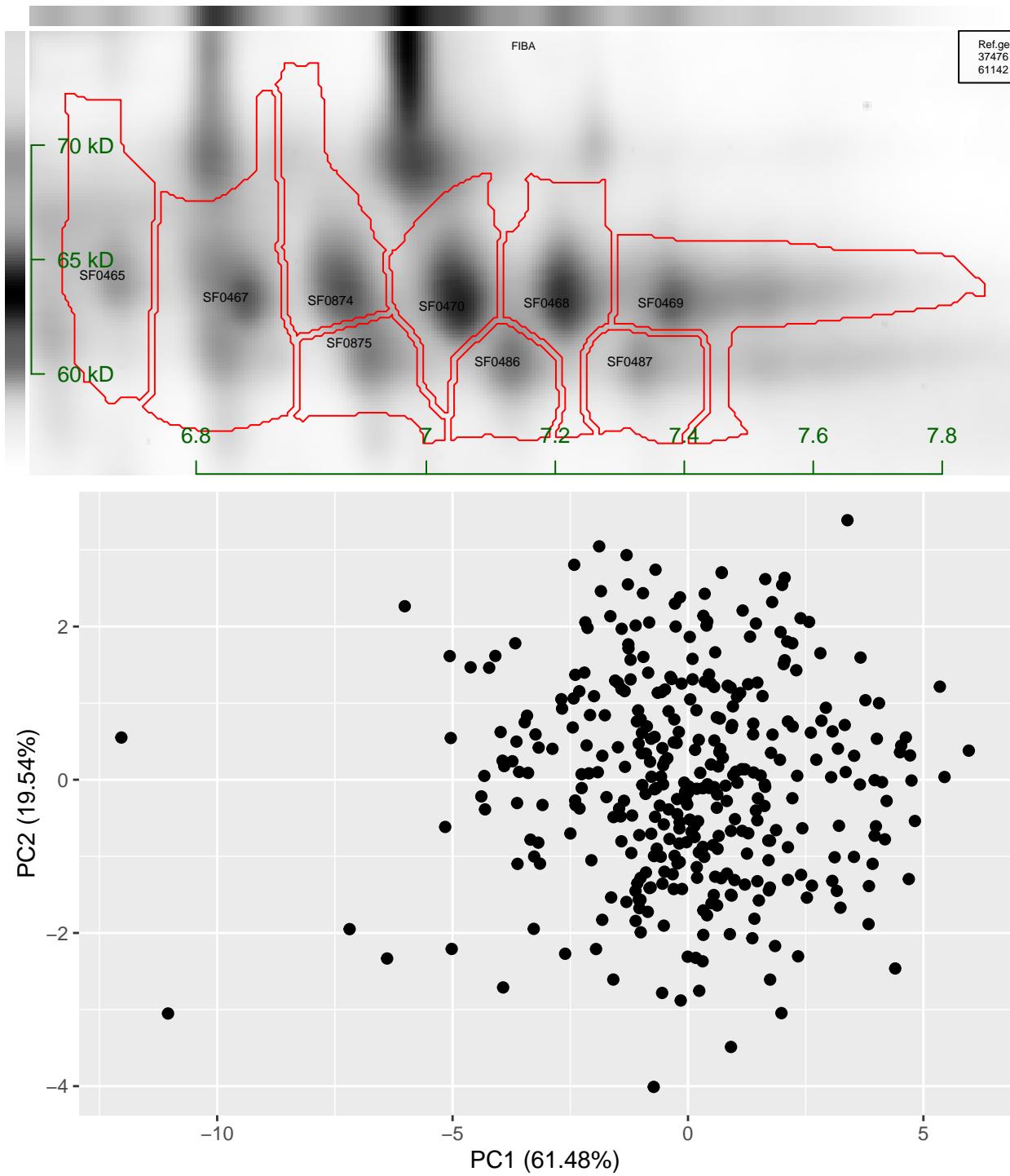
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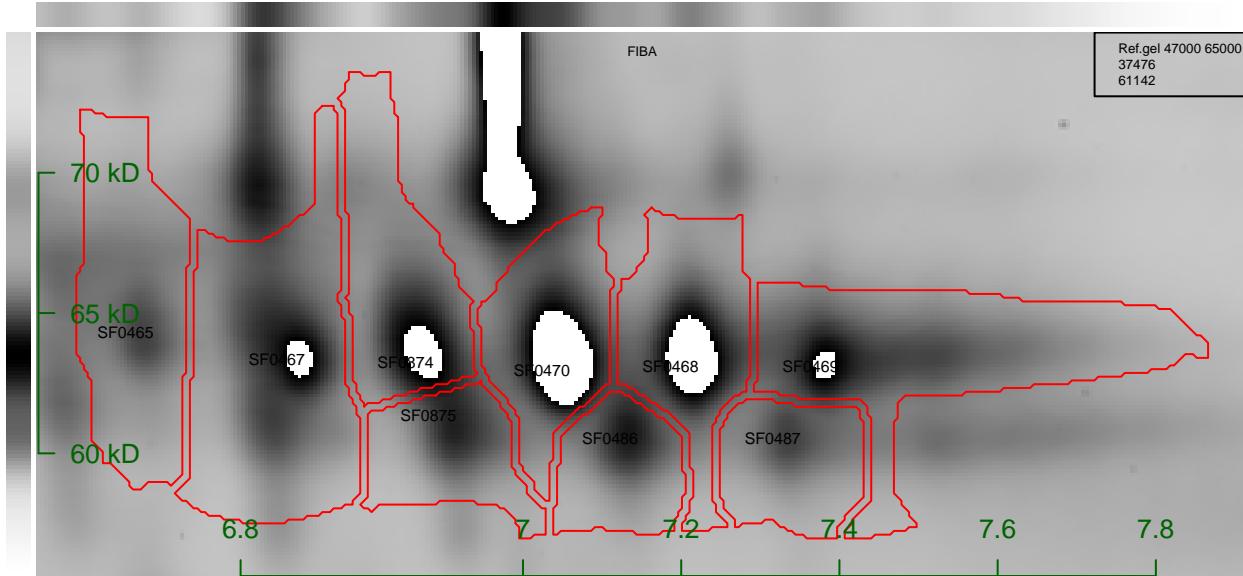
All available features in area



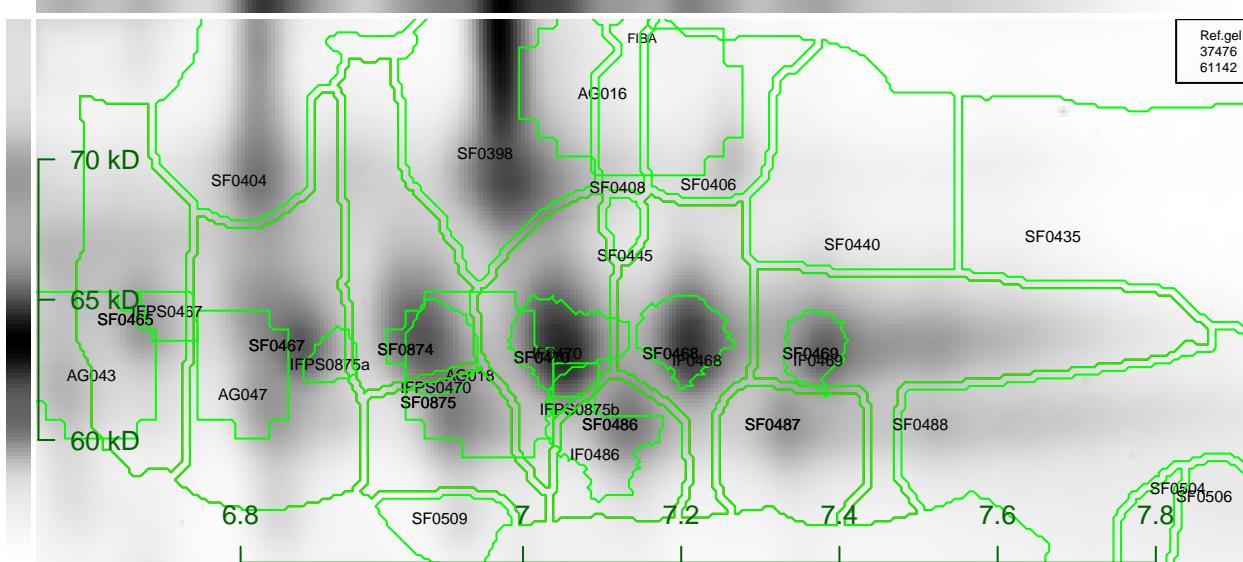
28 FIBA

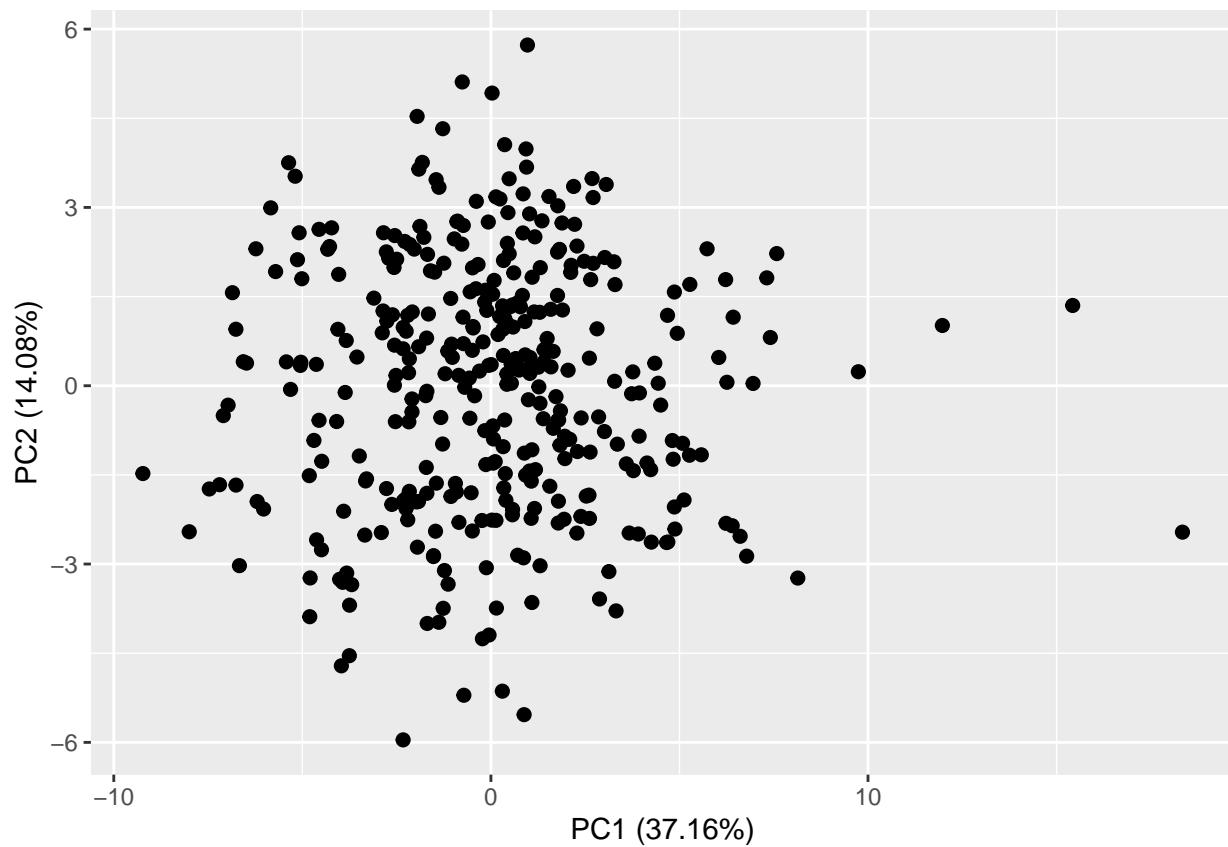


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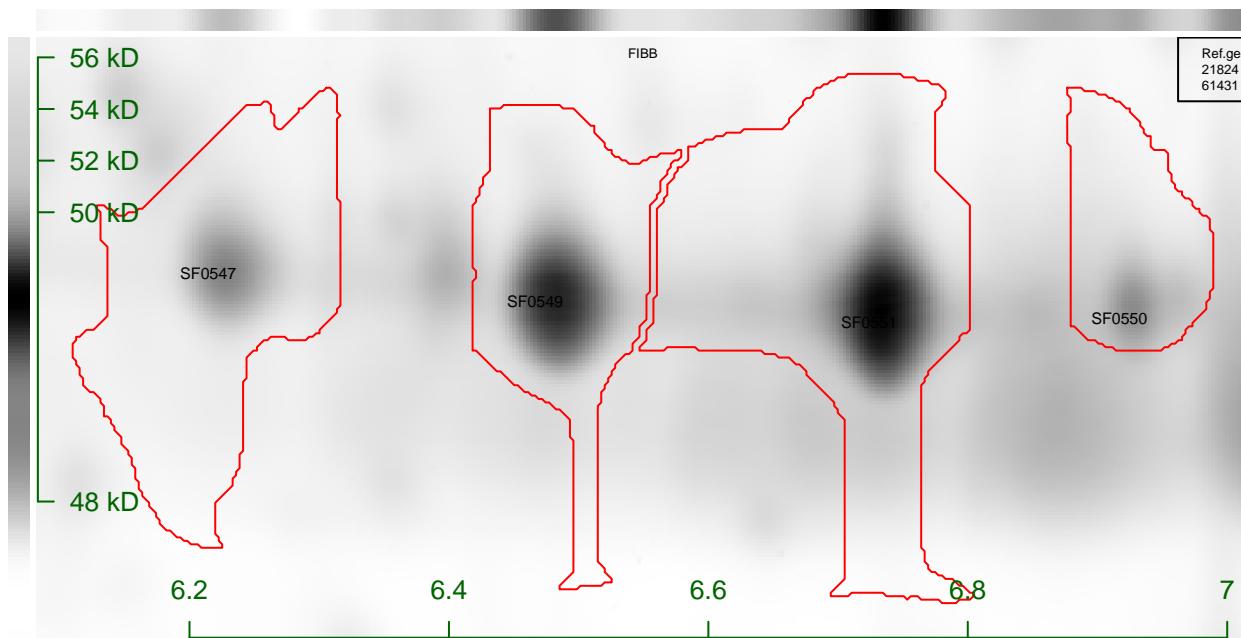


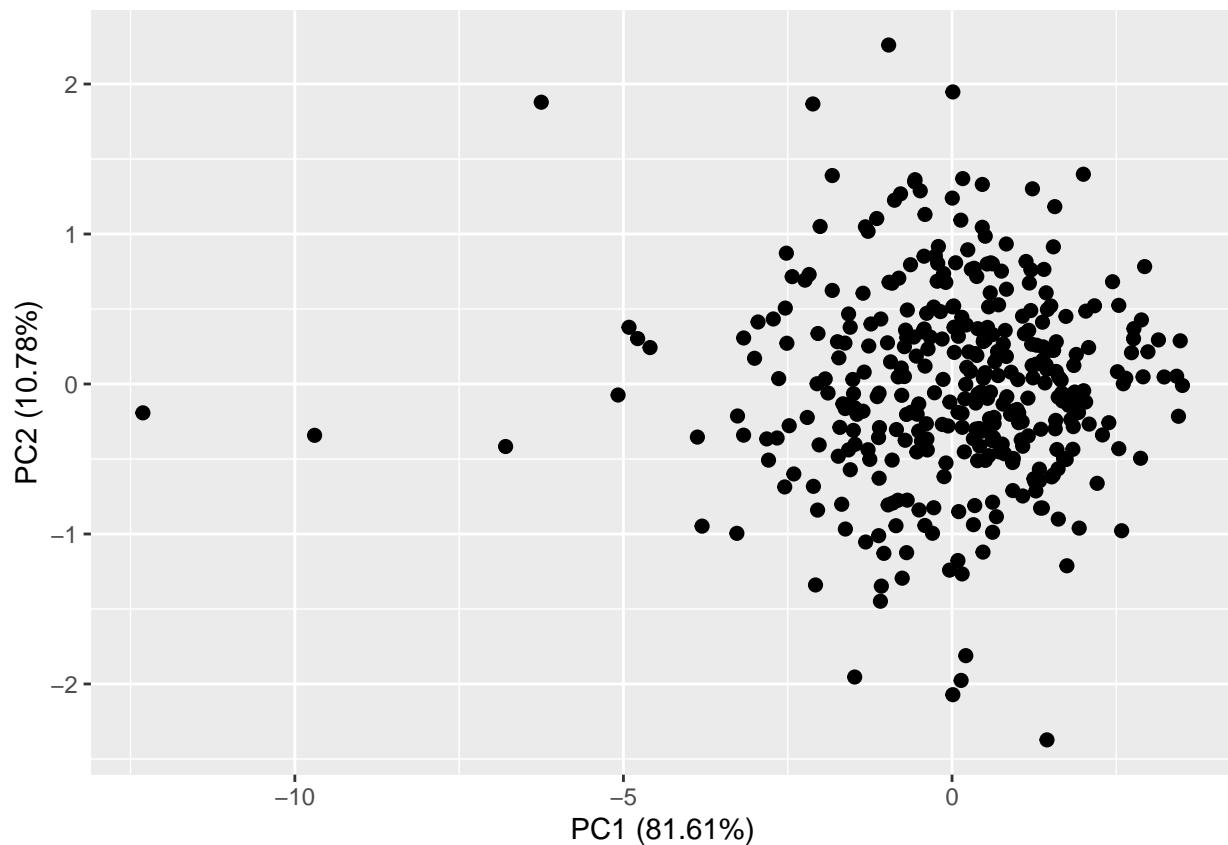
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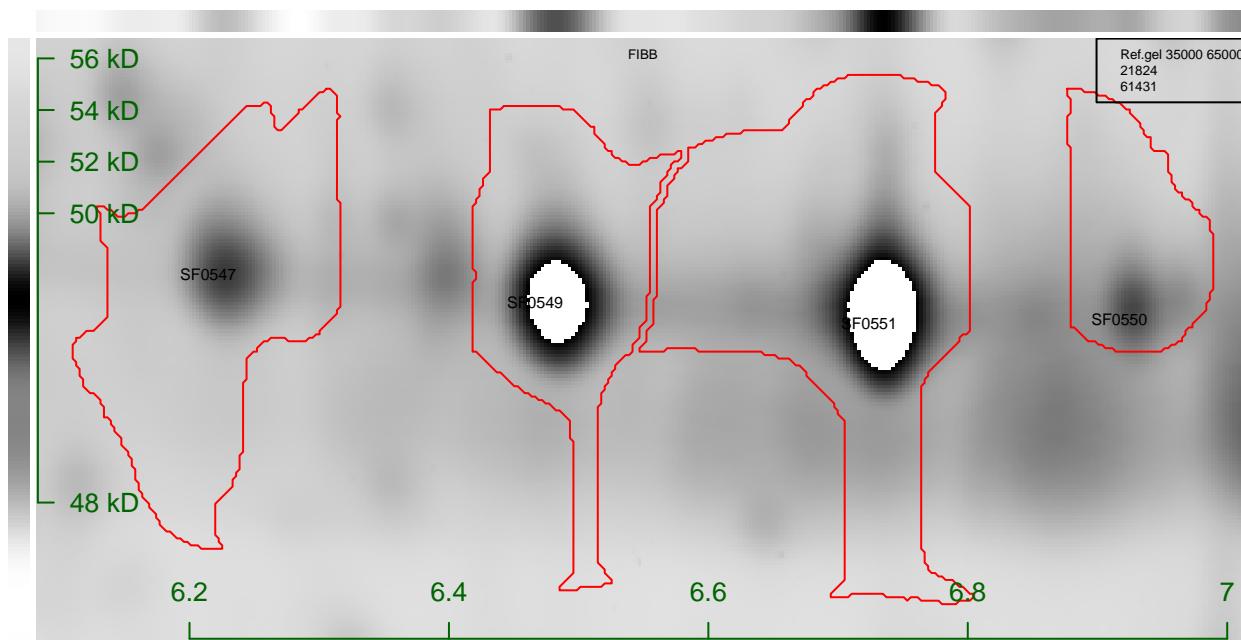


29 FIBB

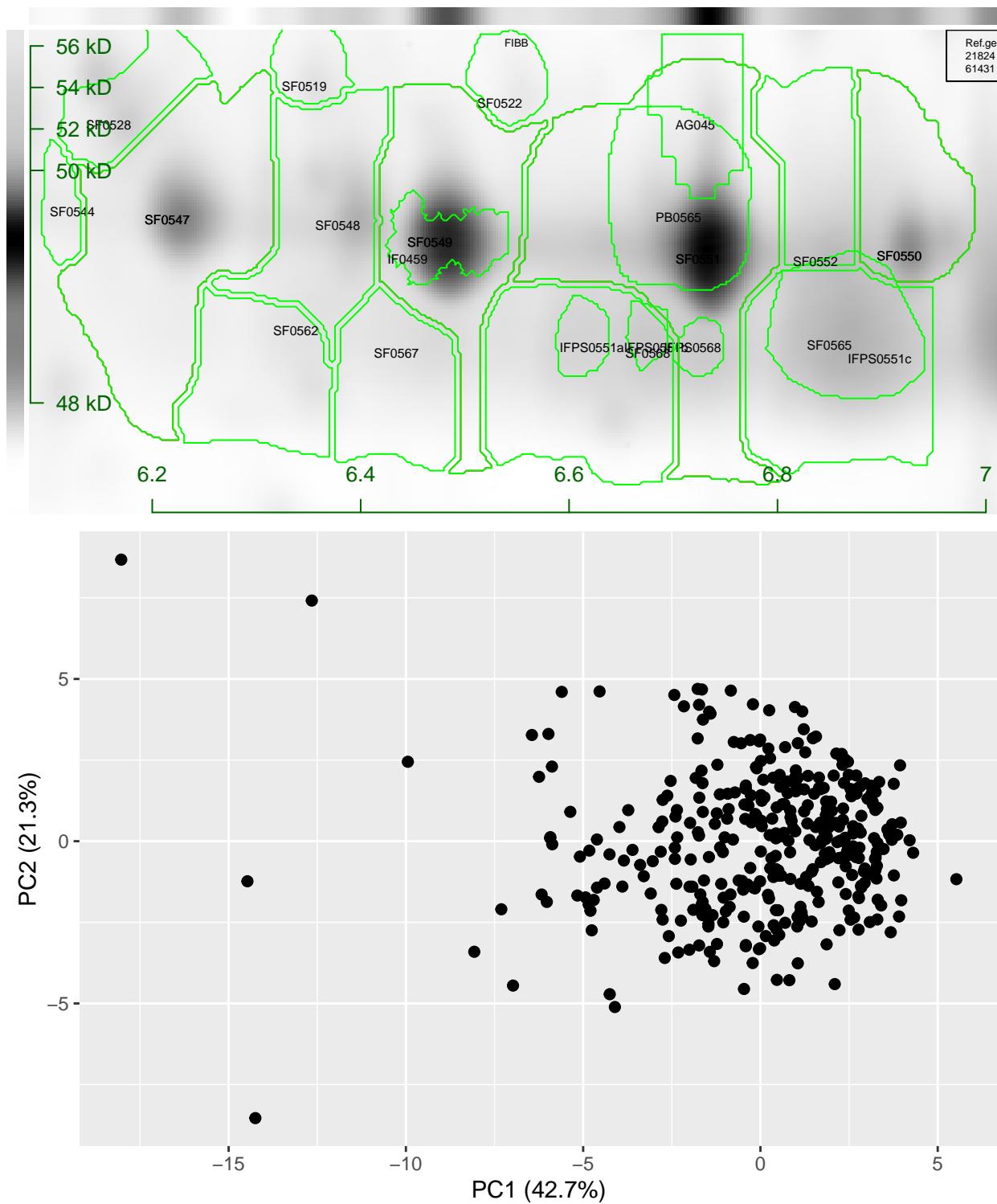




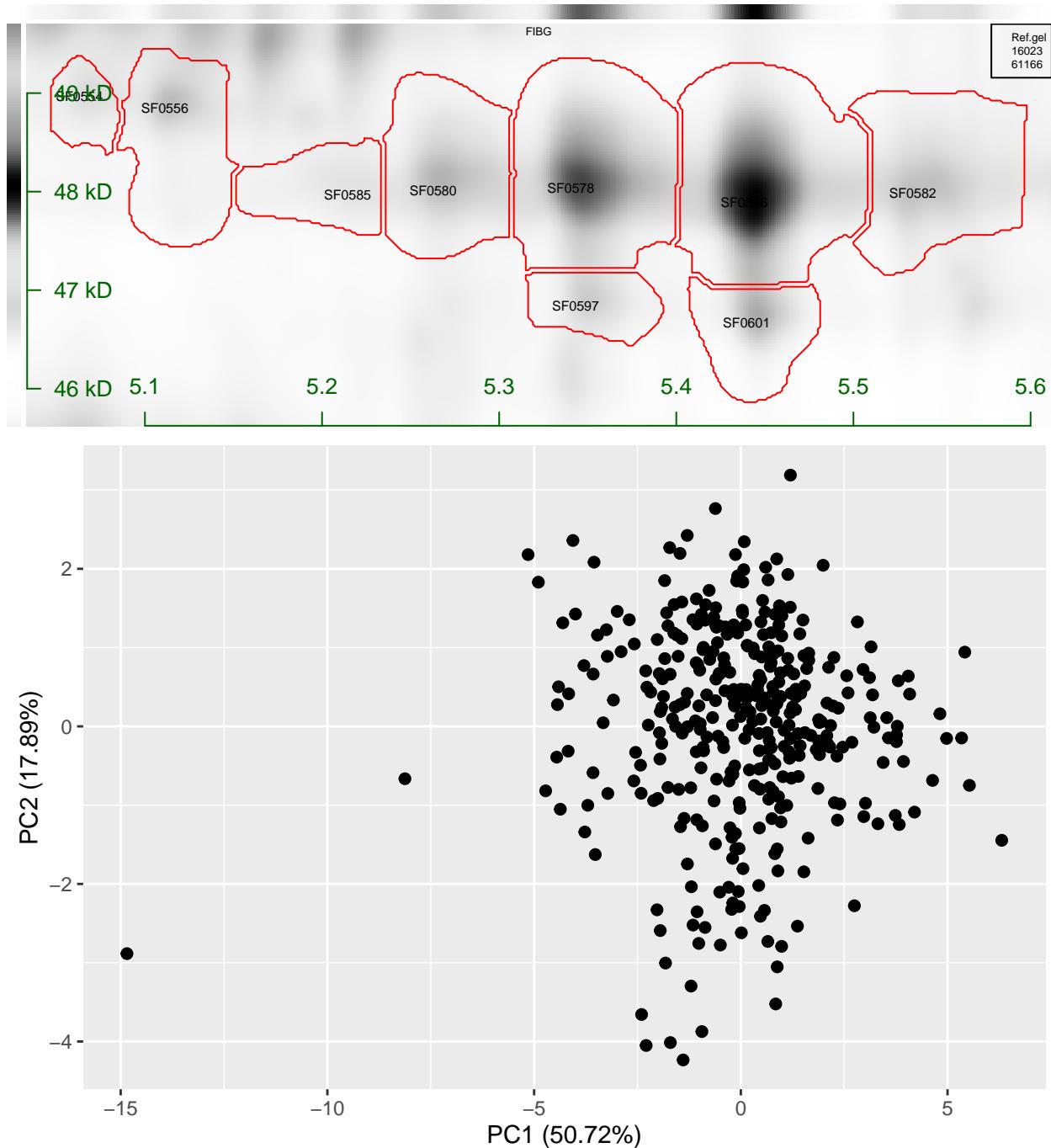
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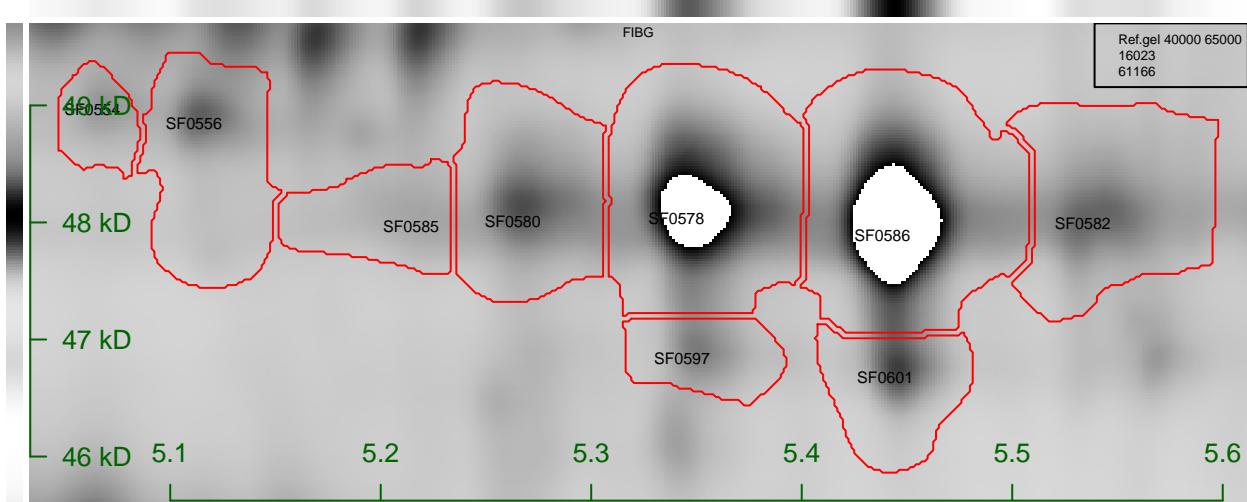
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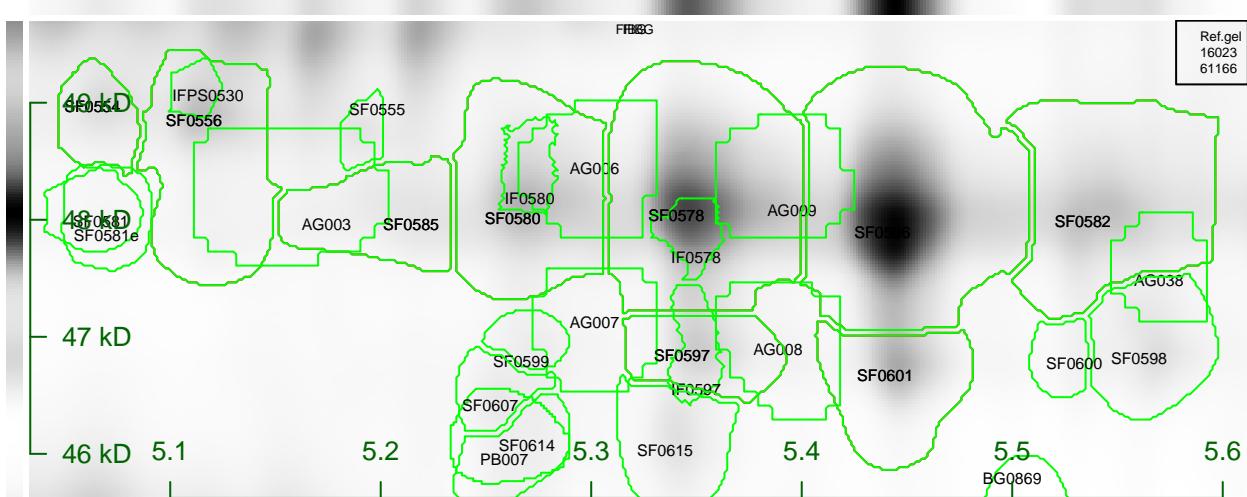
30 FIBG

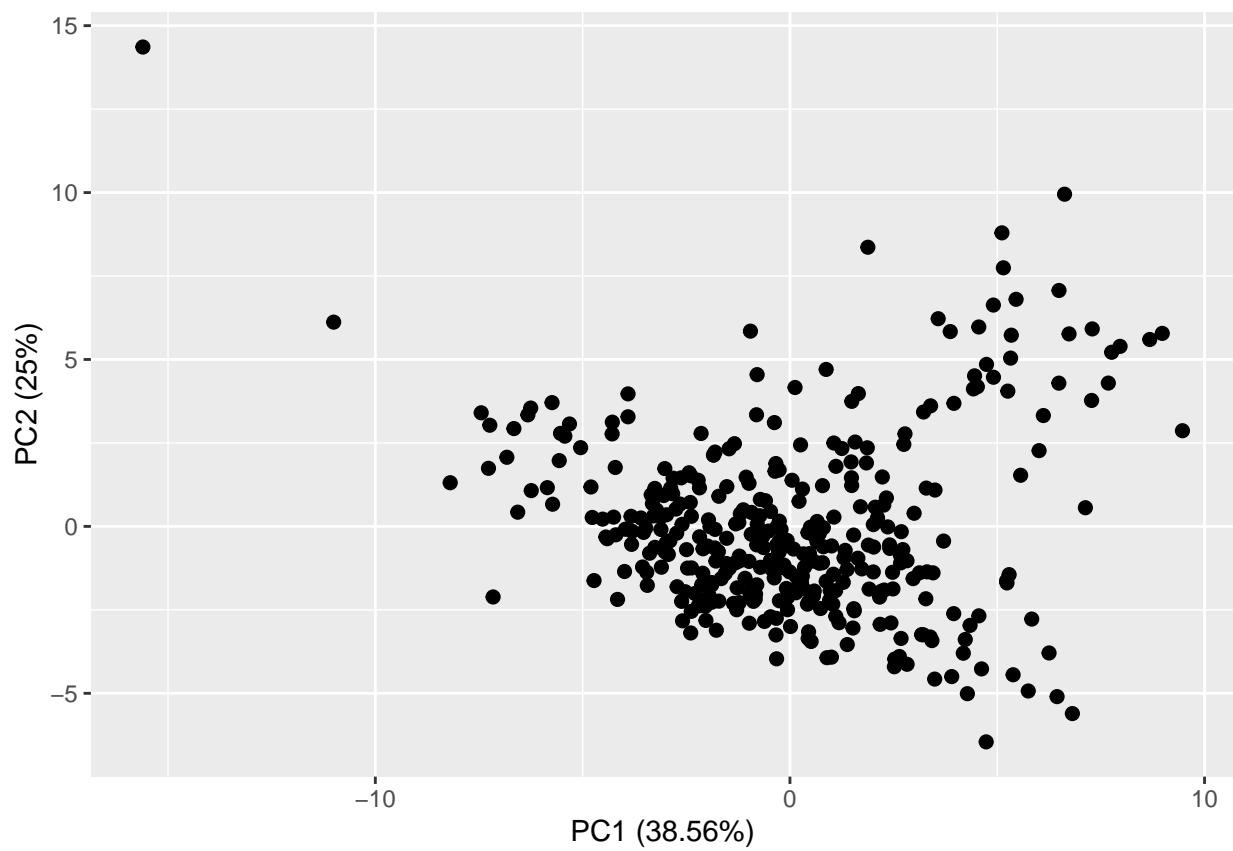


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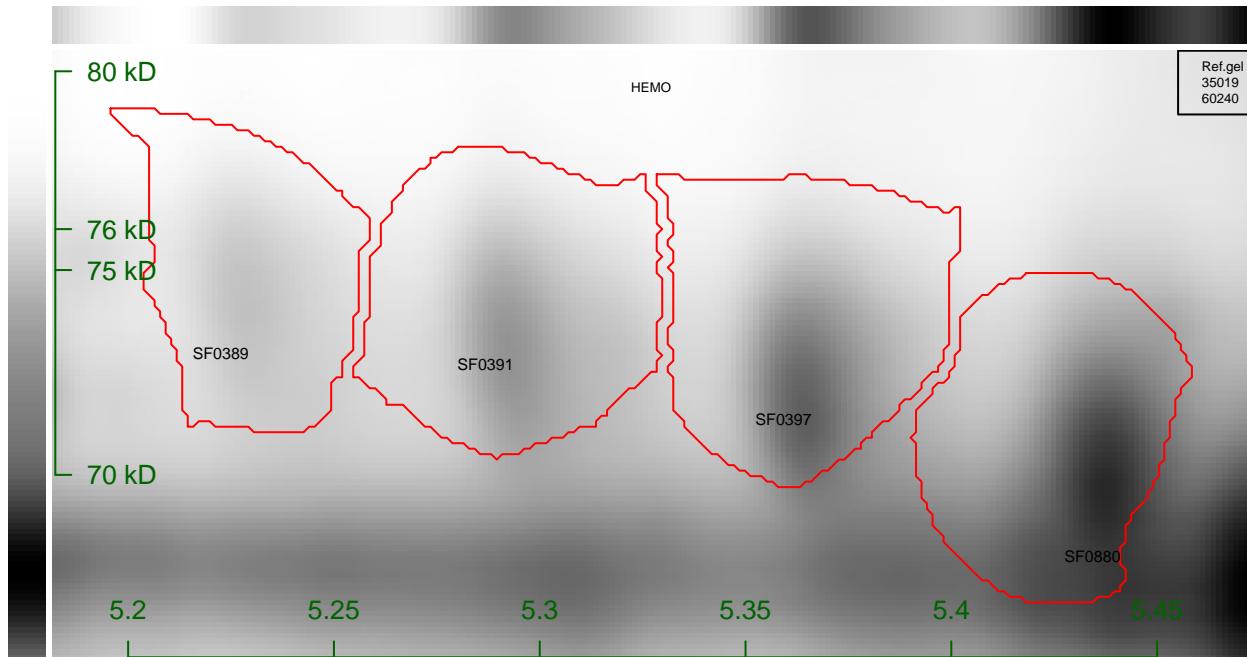


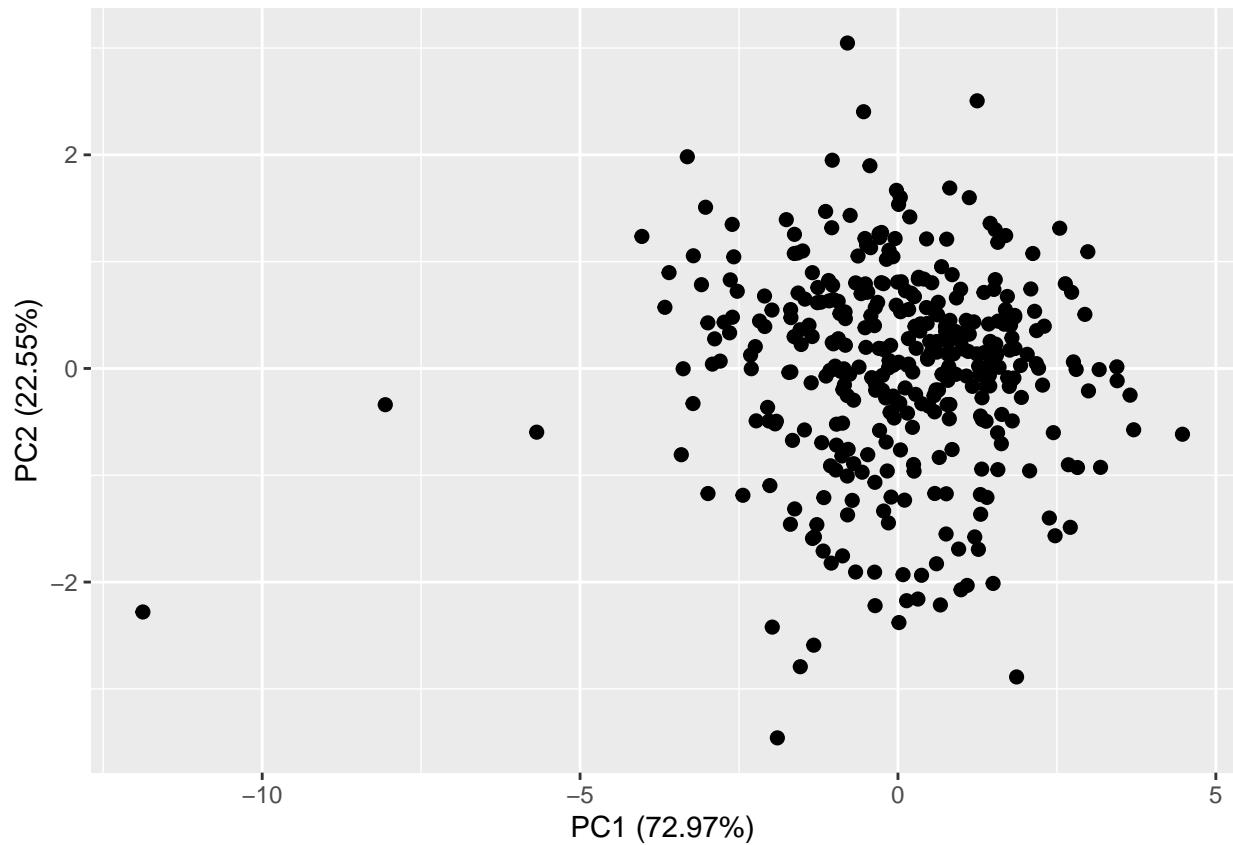
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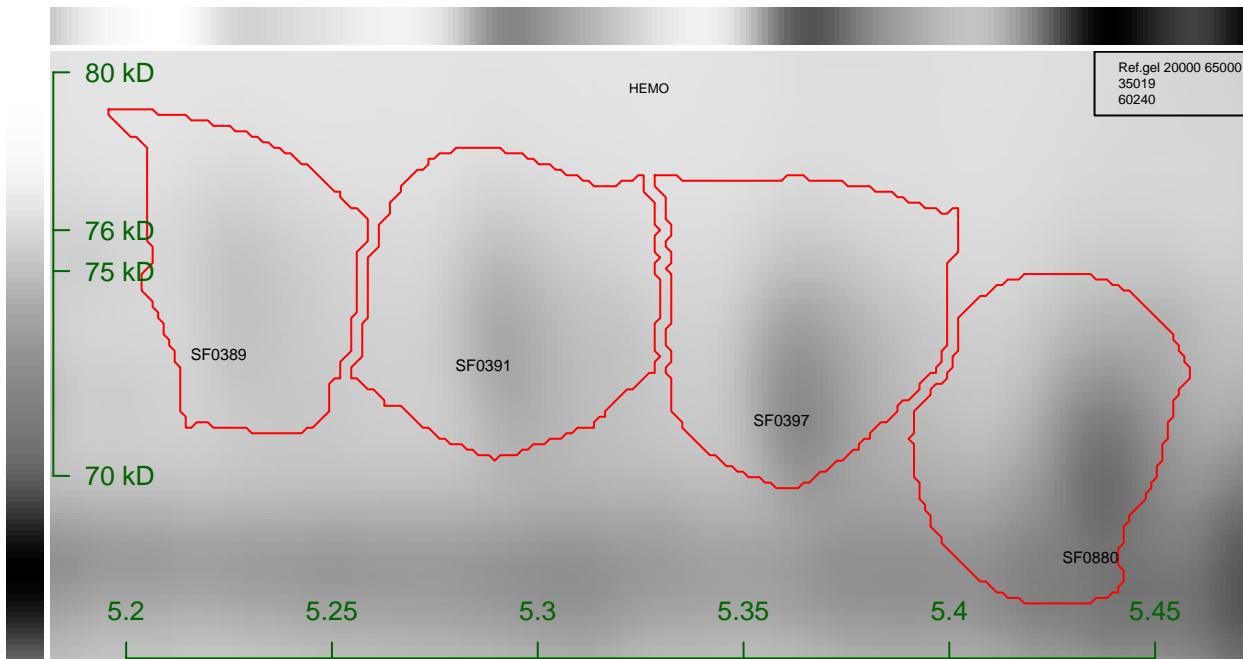


31 HEMO

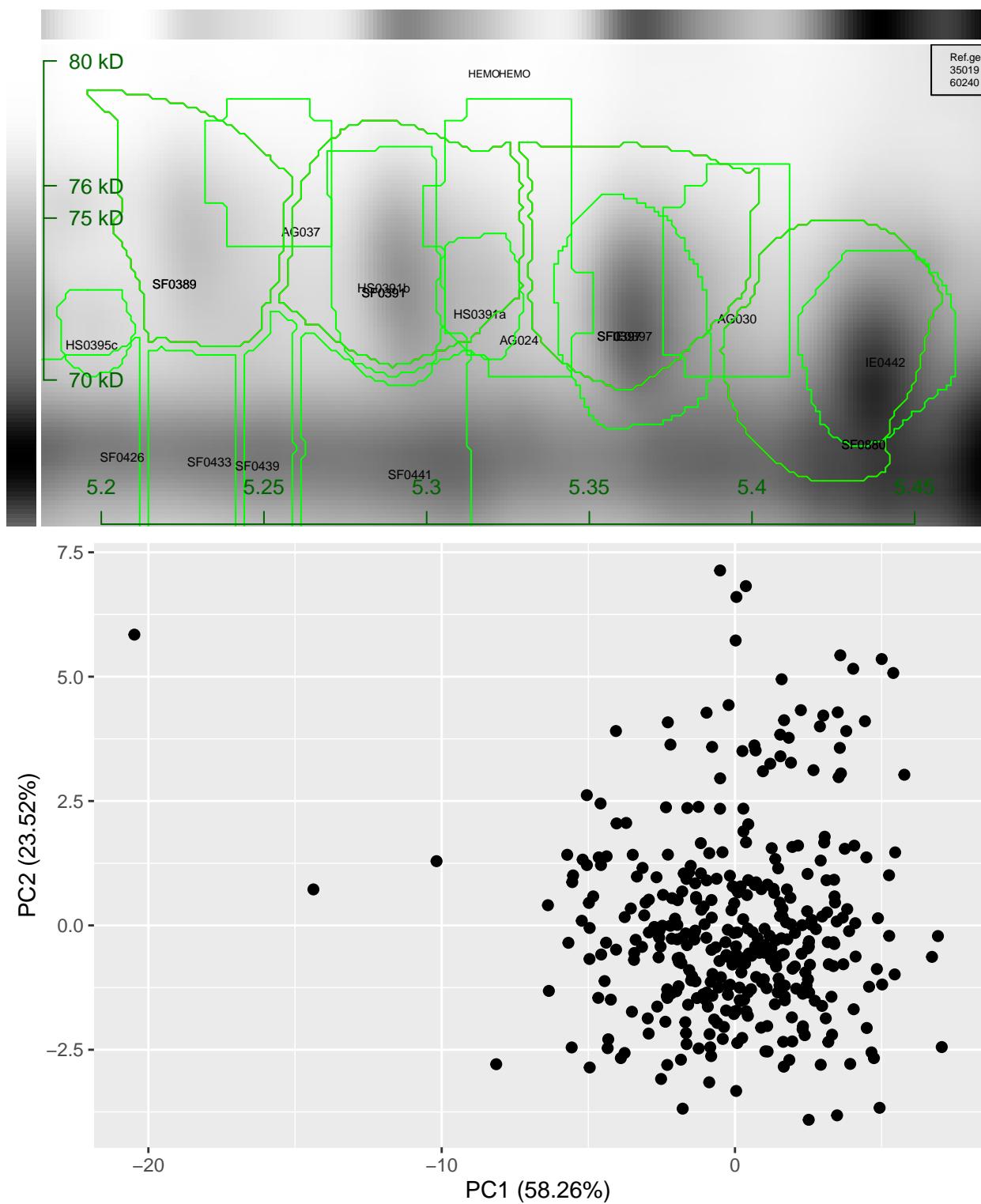


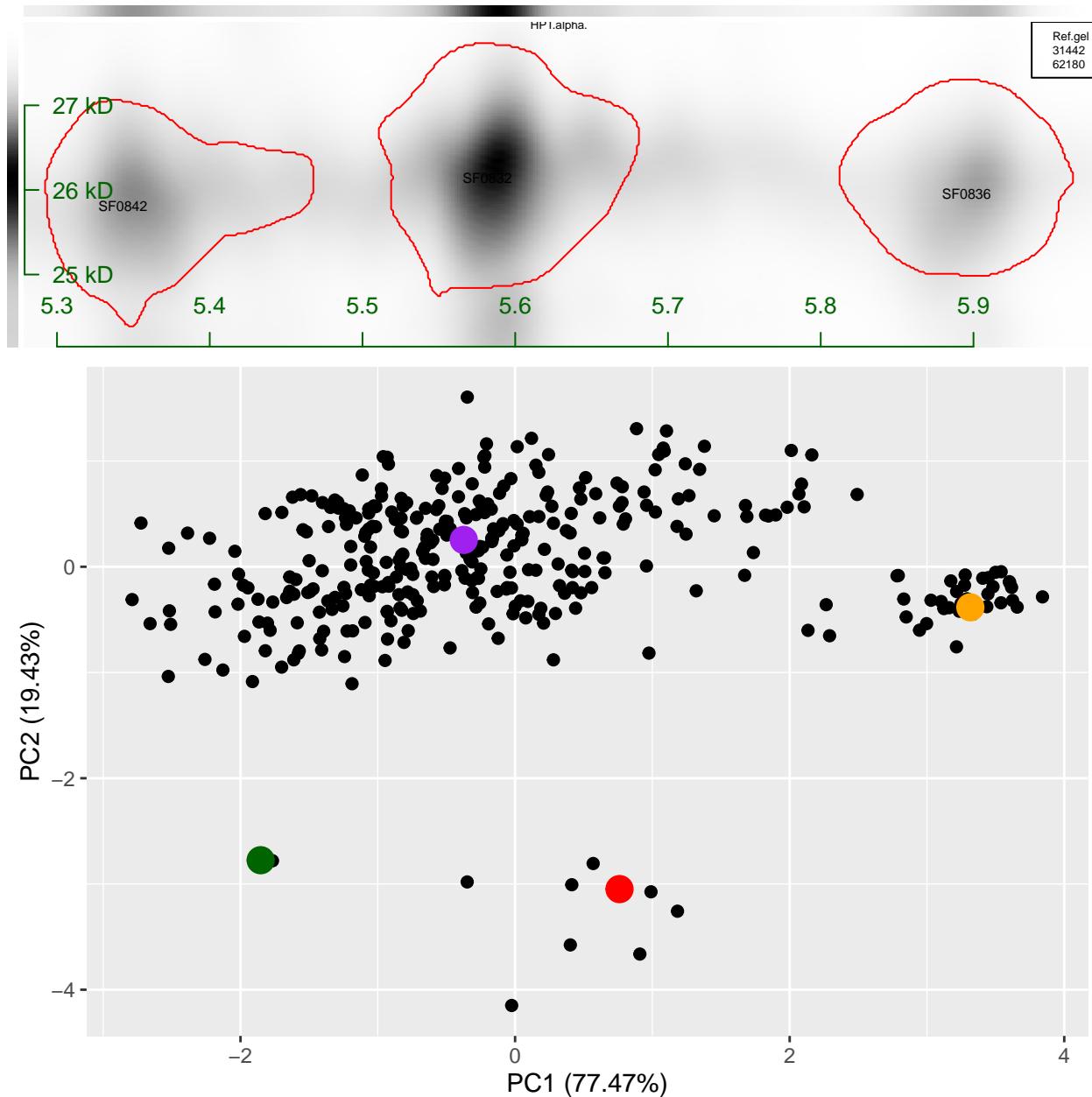


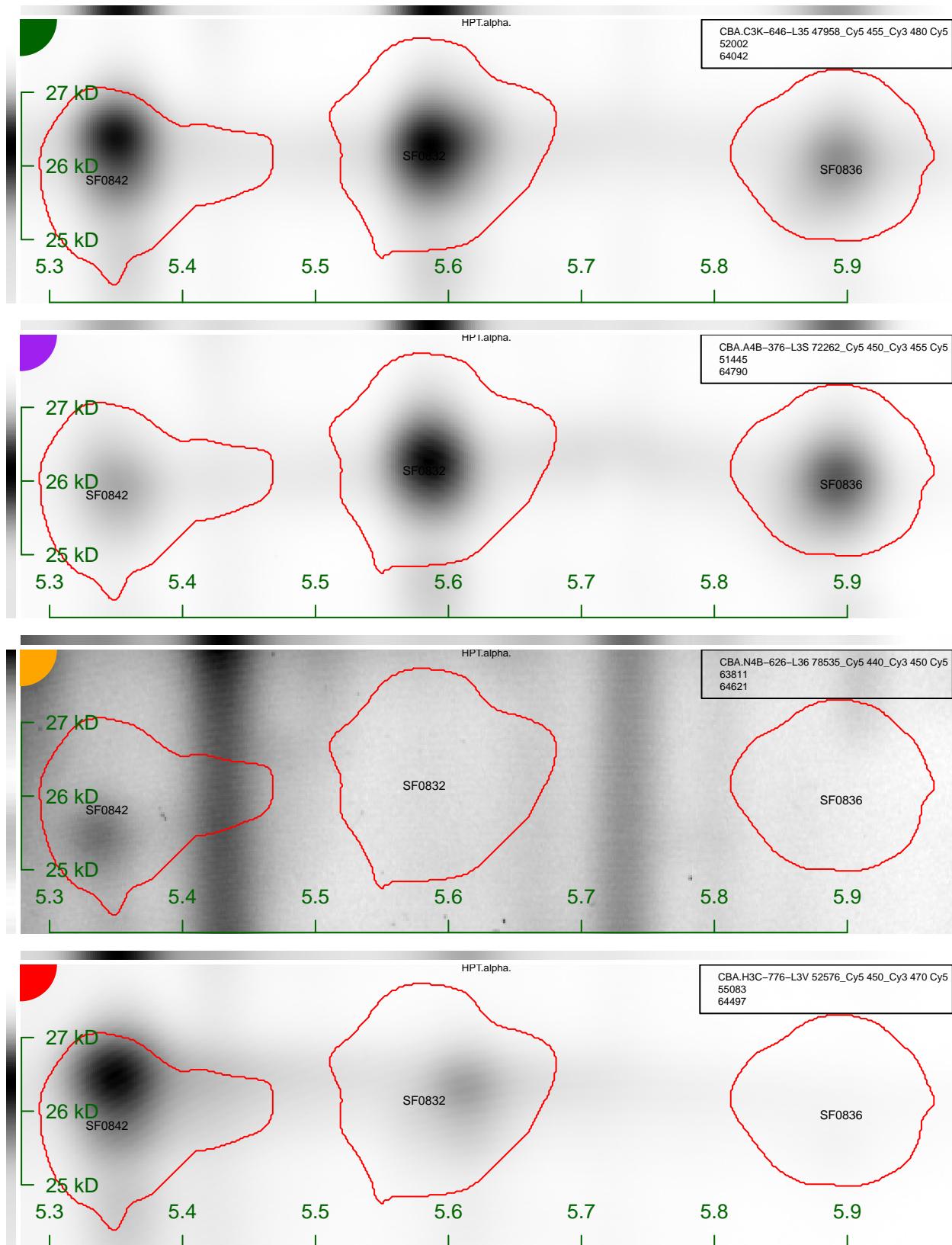
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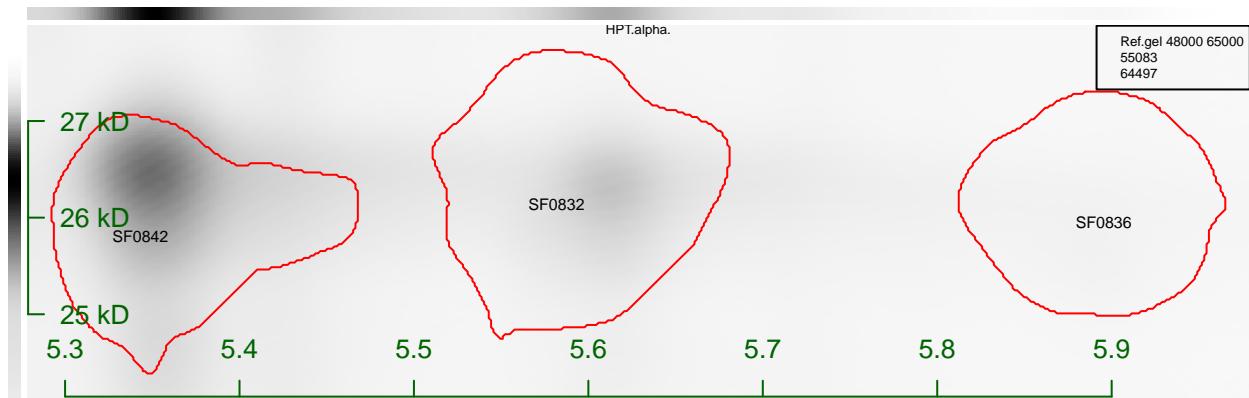


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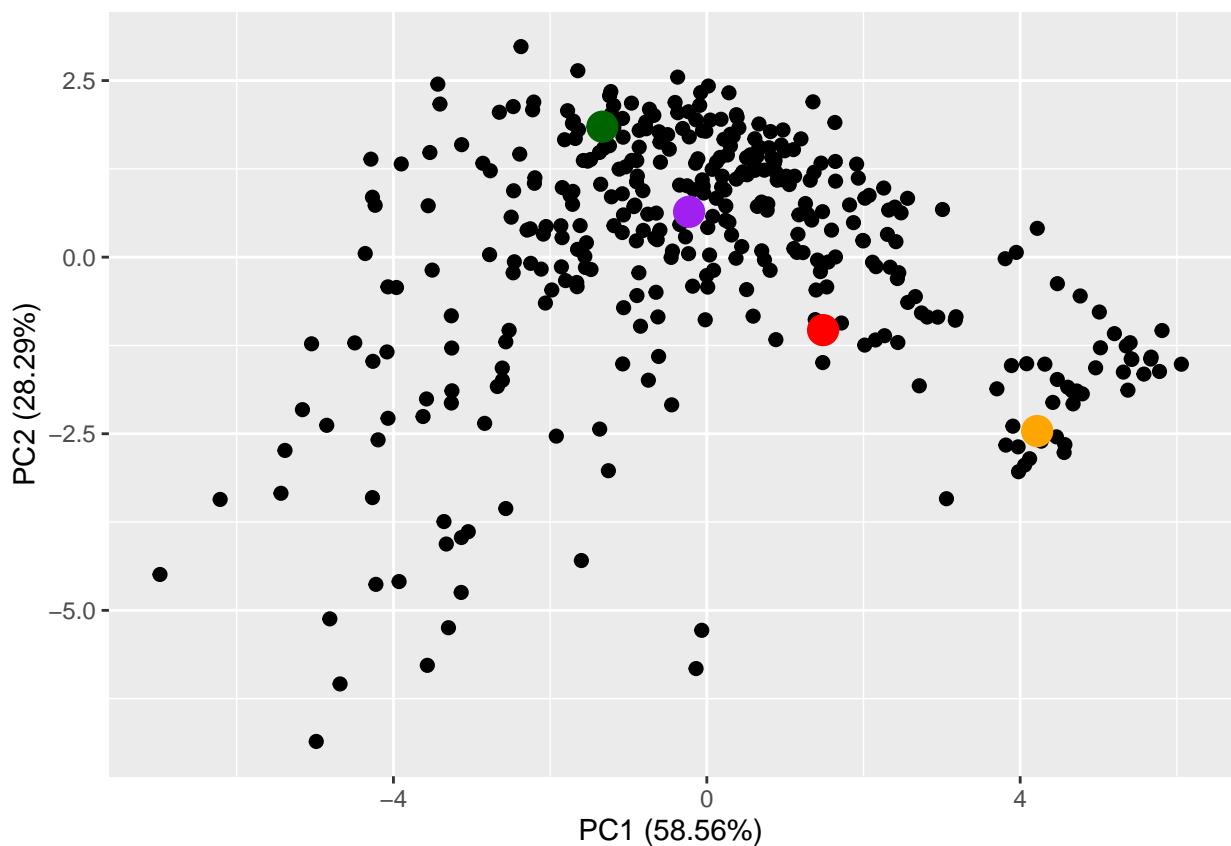
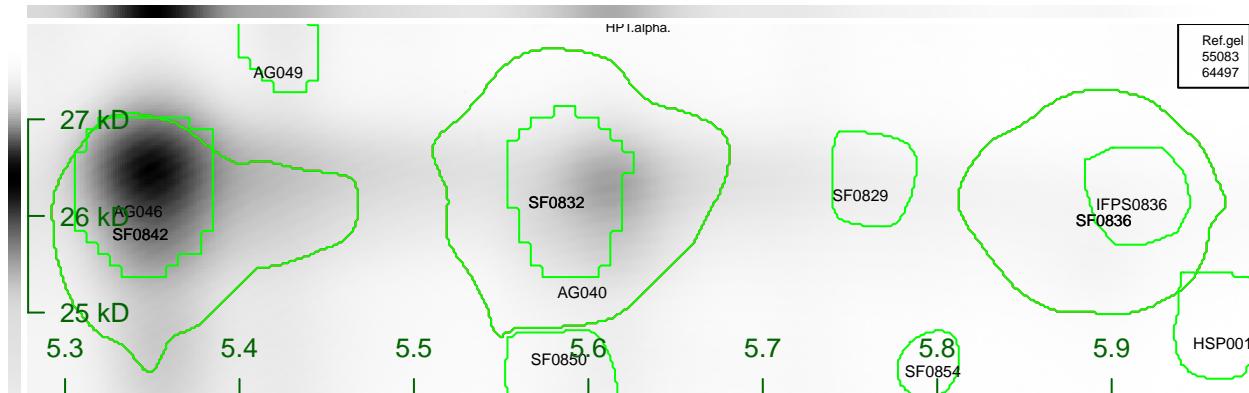


32 HPT.alpha. (Cluster)

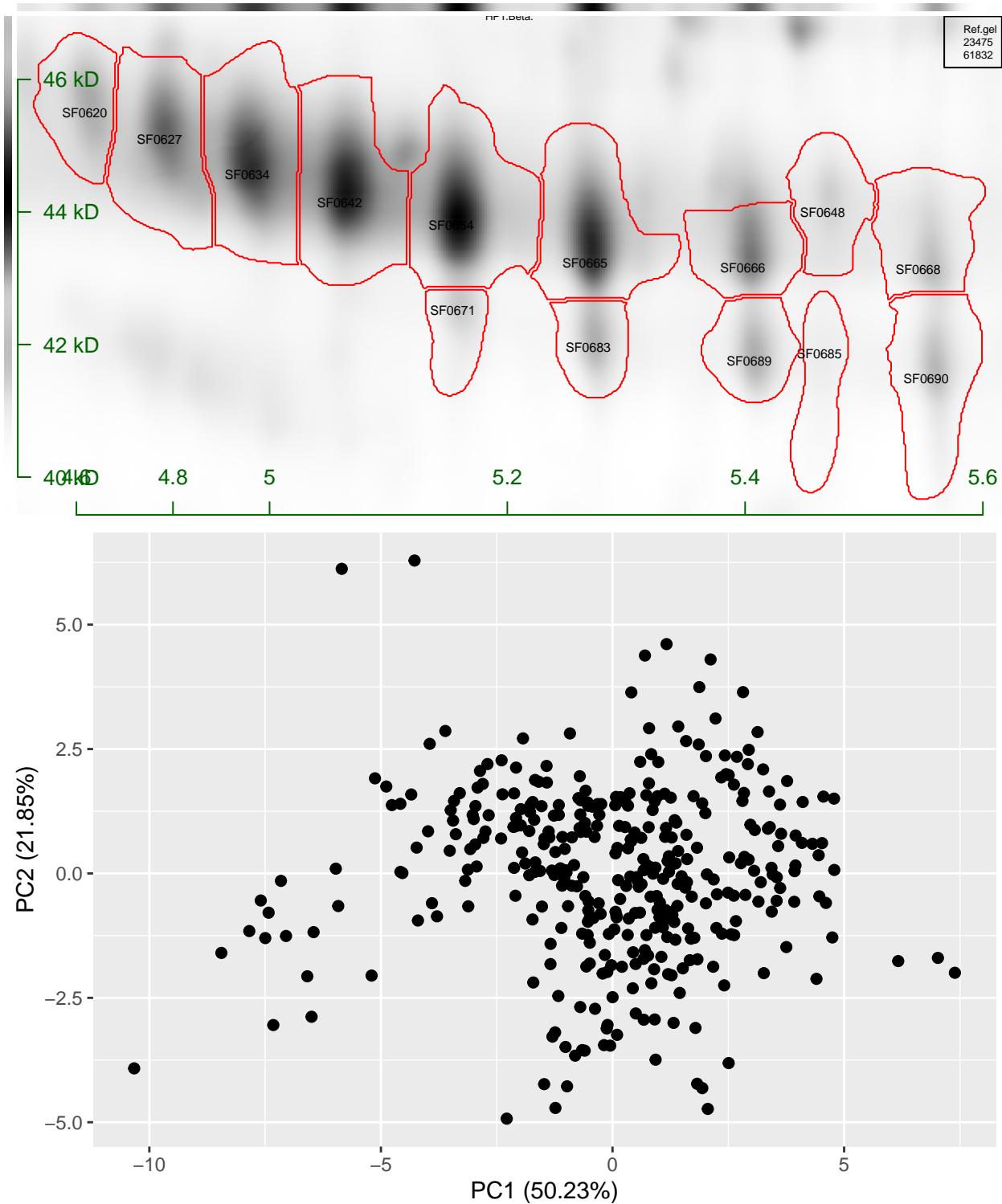




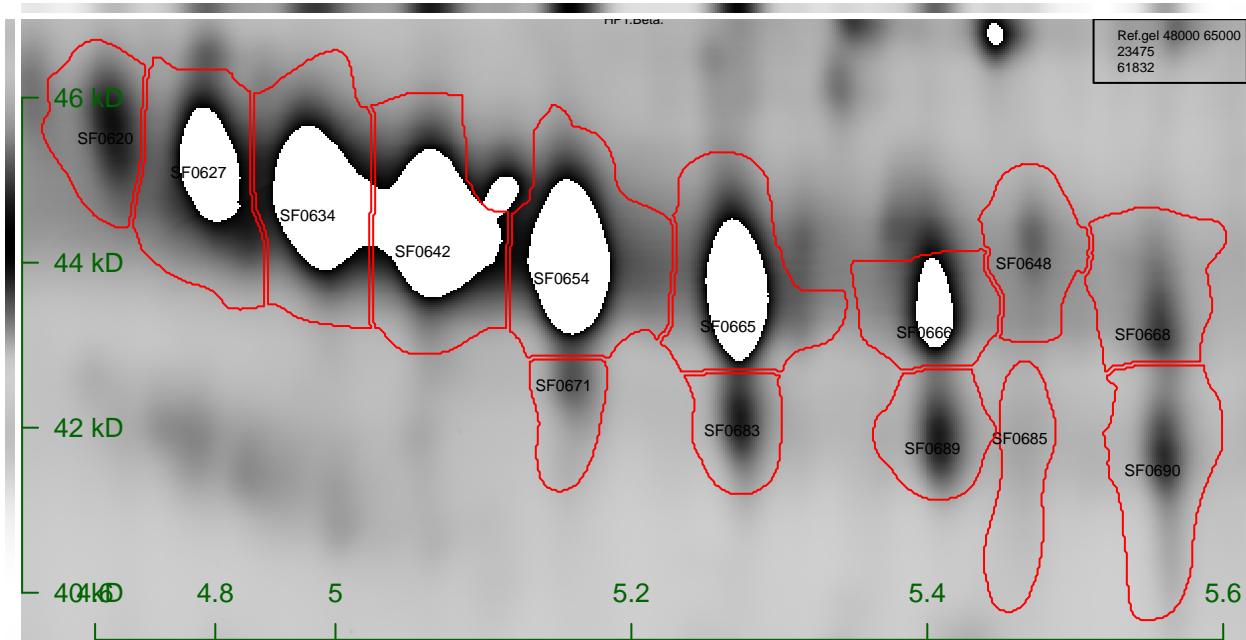
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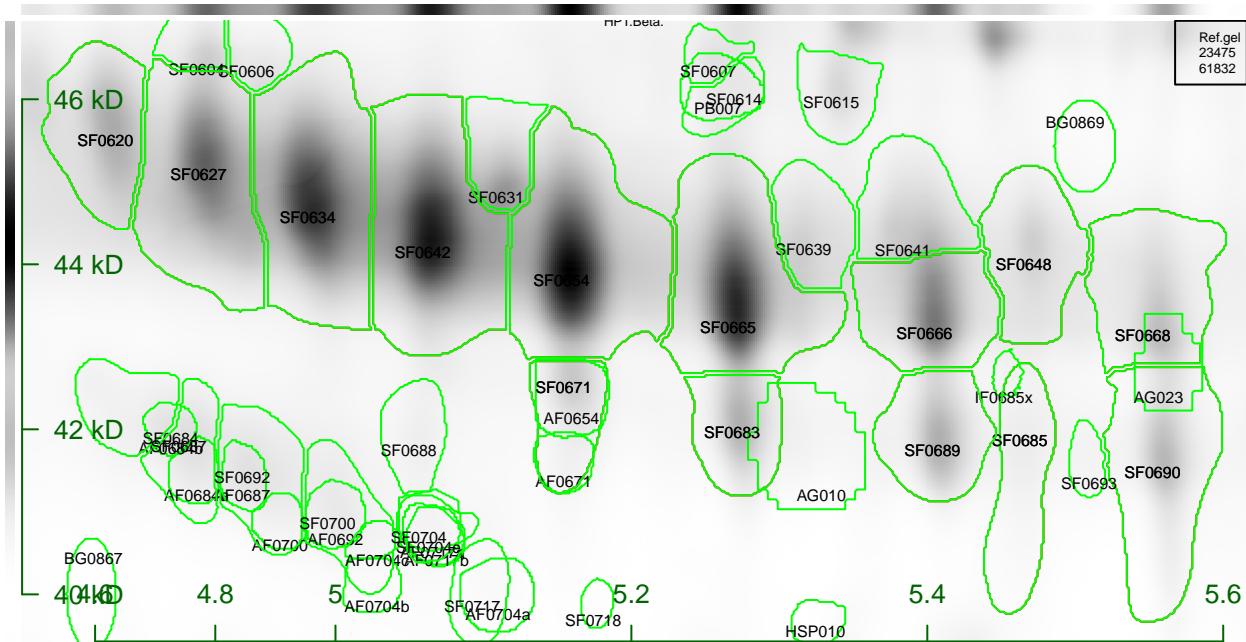
33 HPT.Beta.

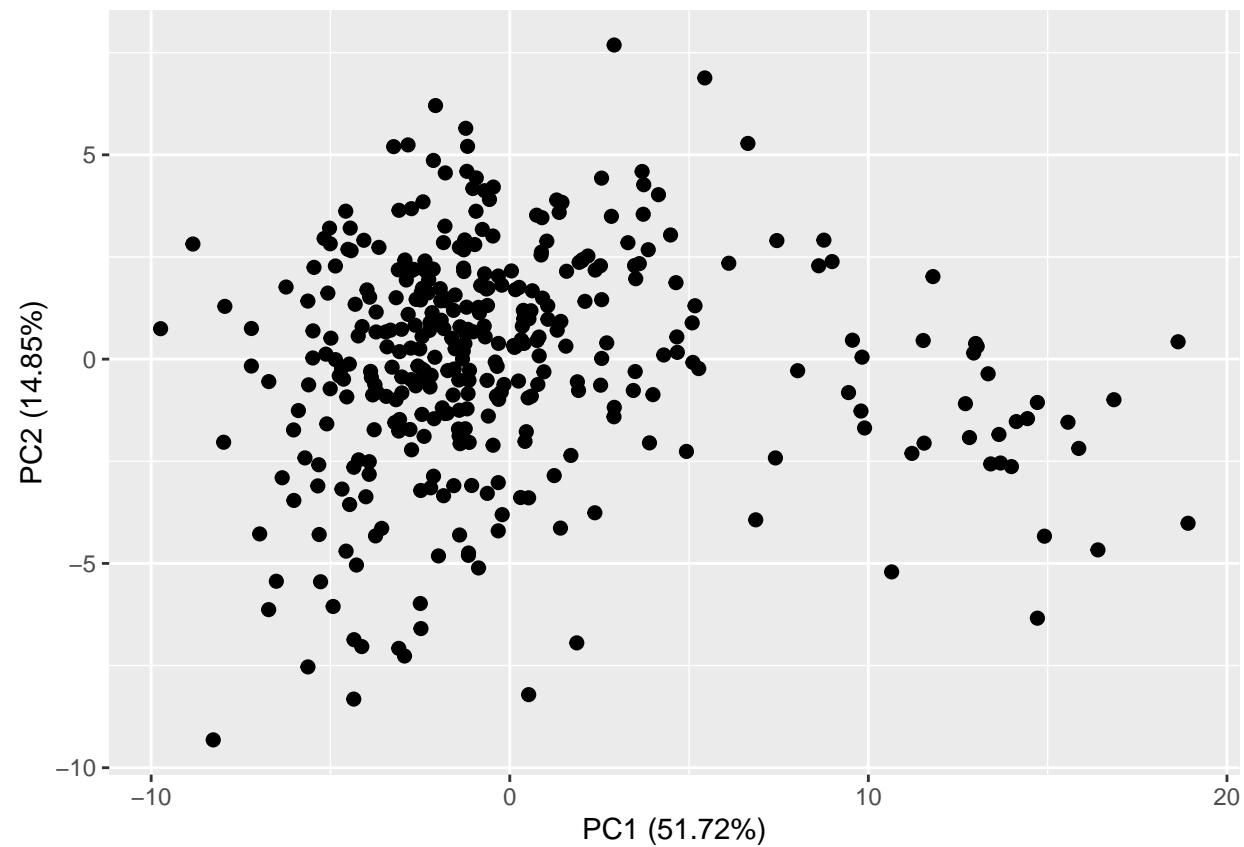


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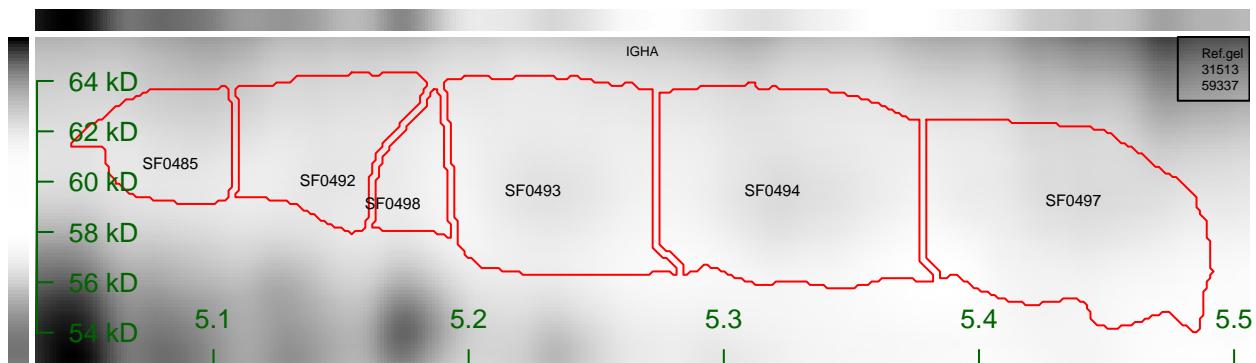


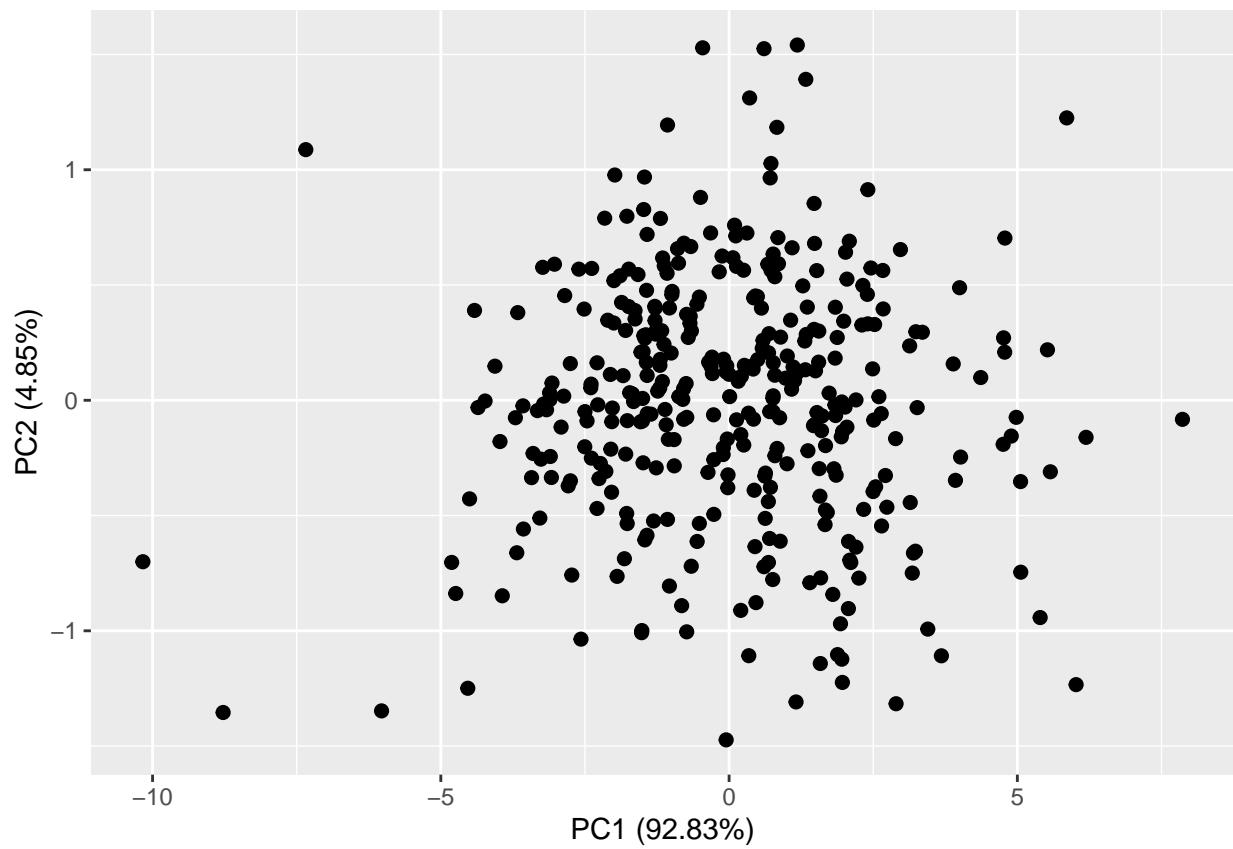
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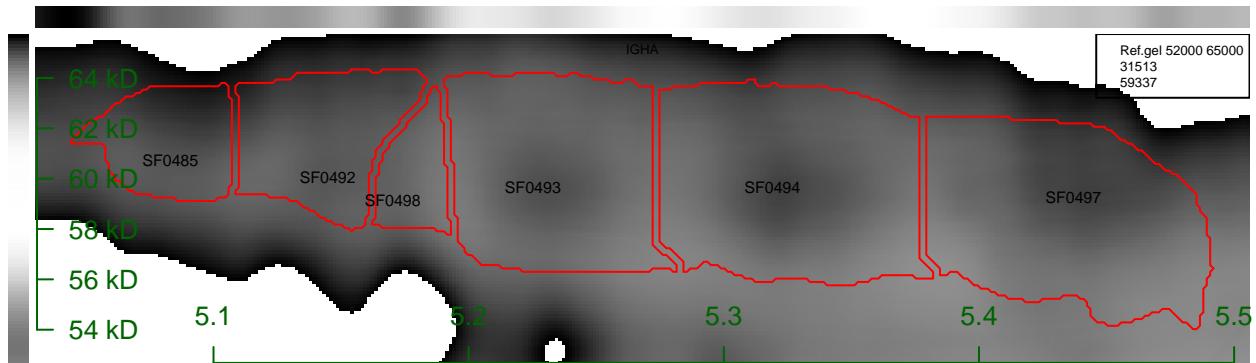


34 IGH A

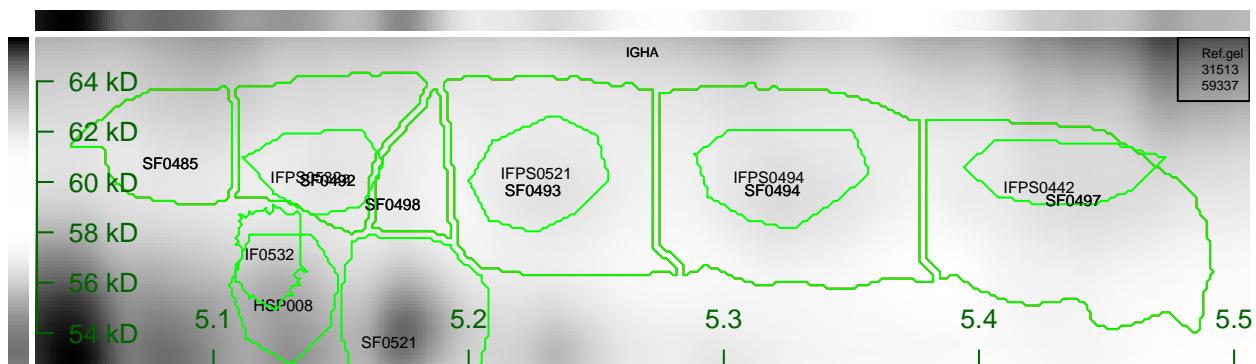


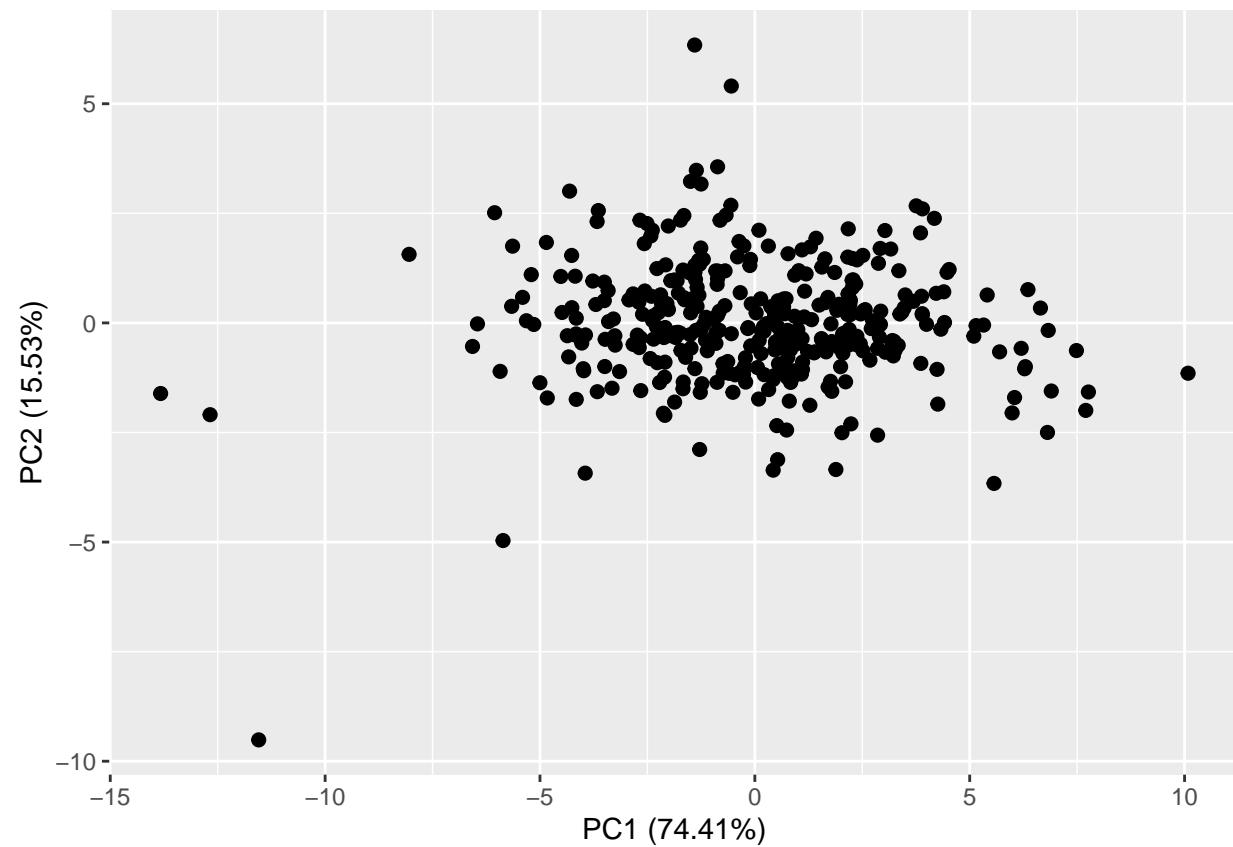


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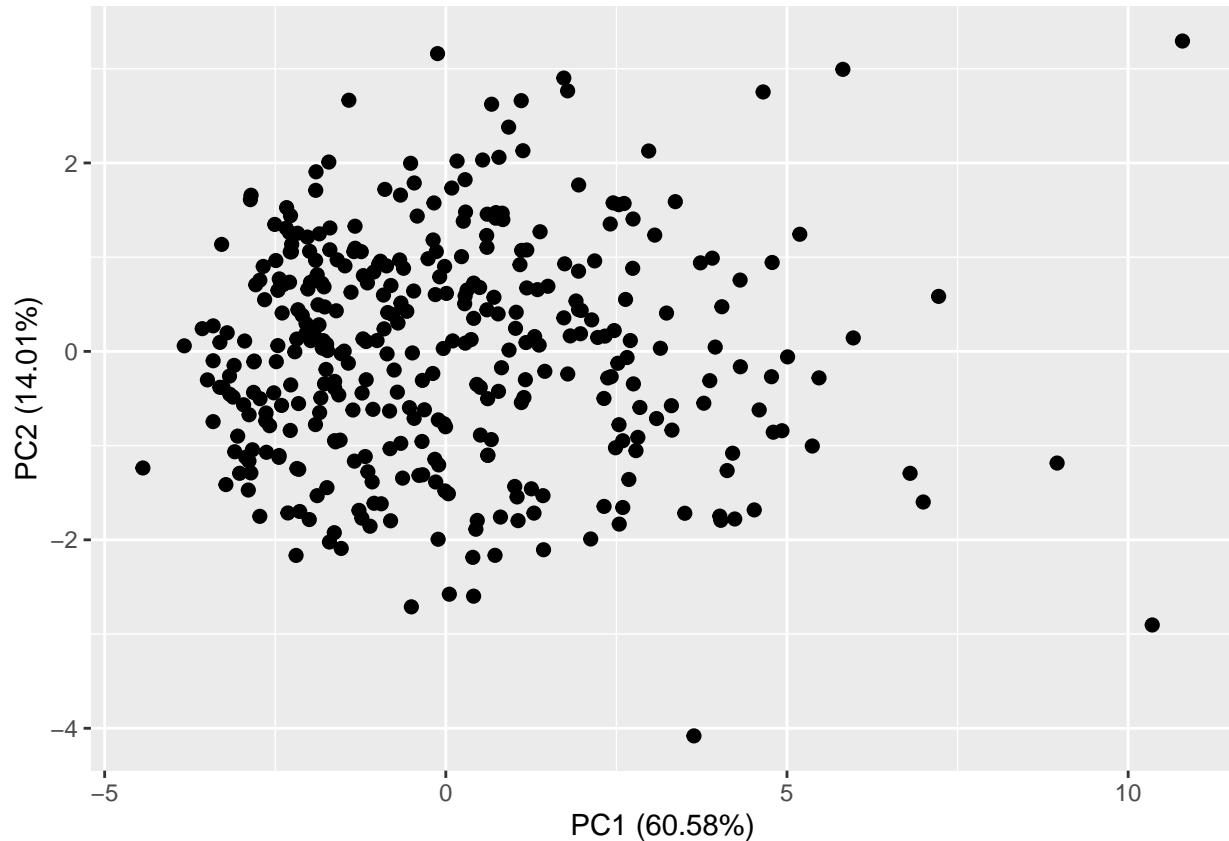
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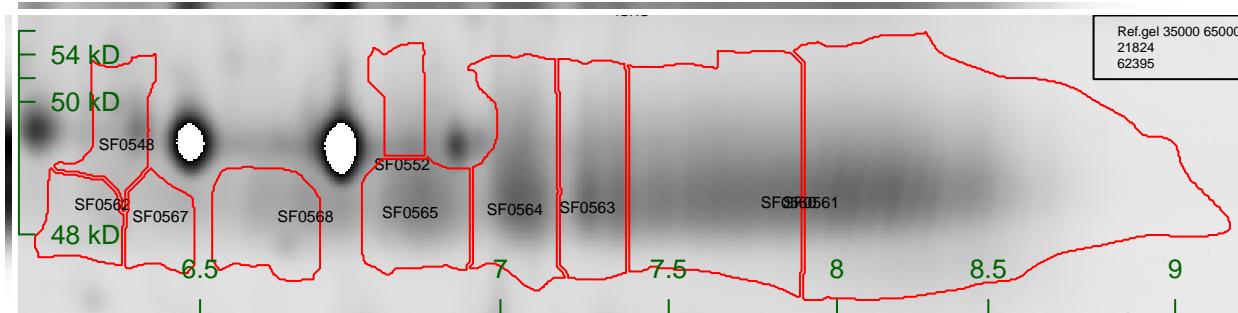


35 IGHG

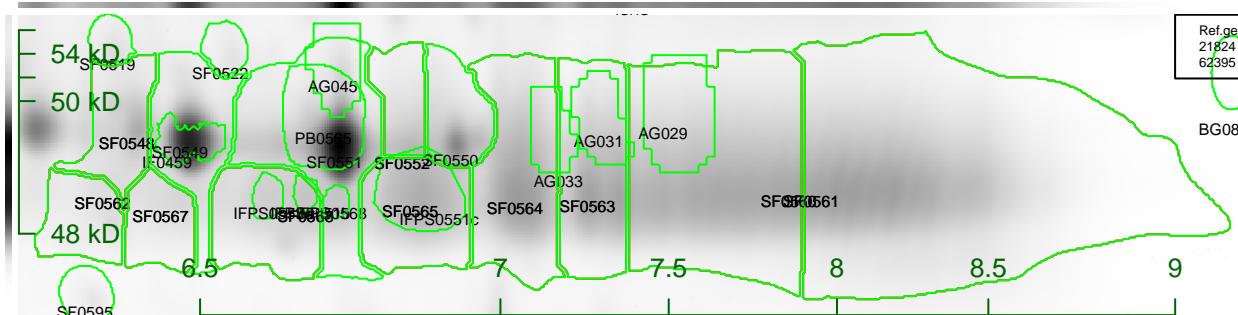


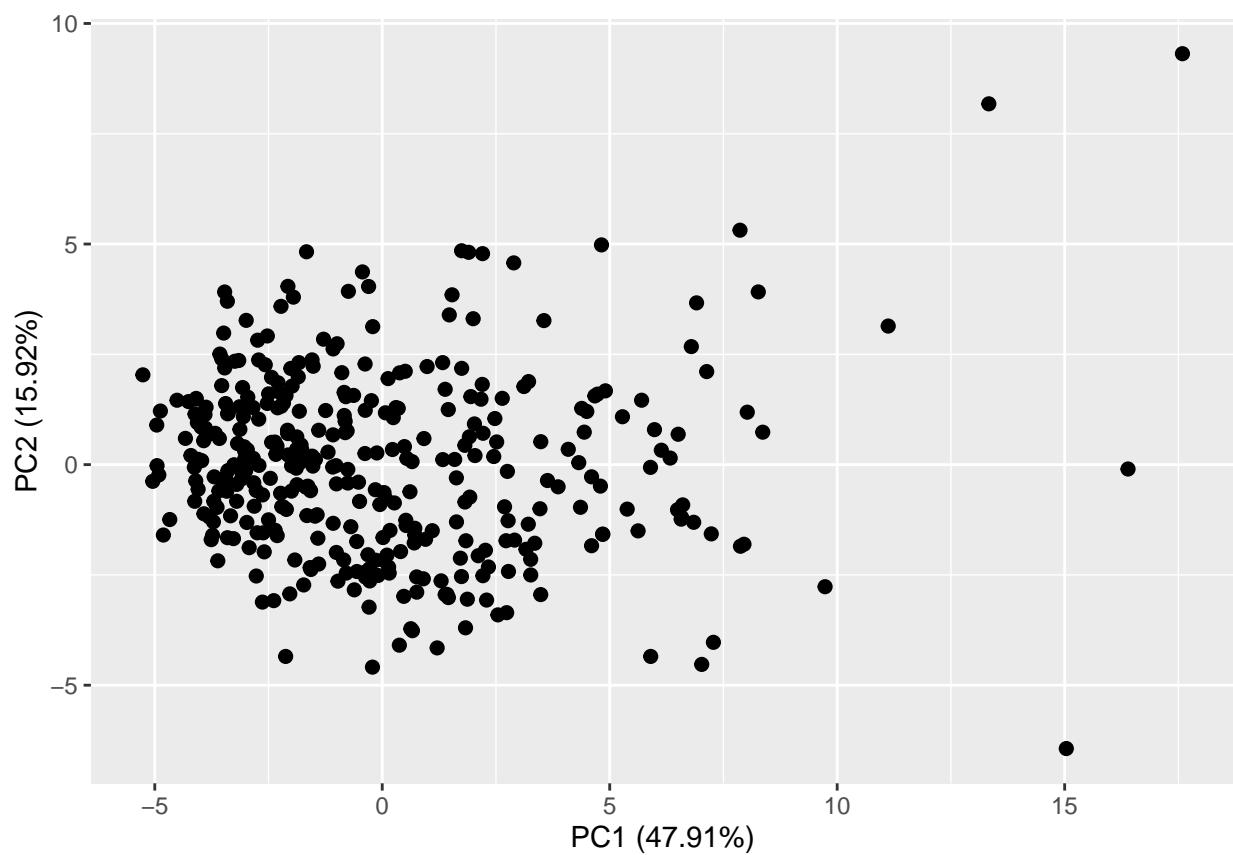


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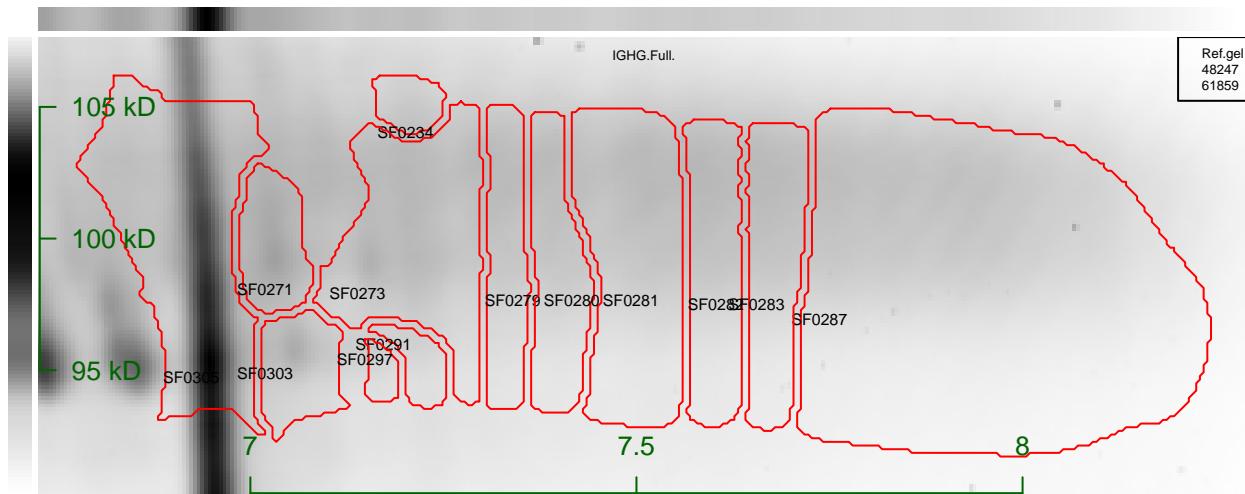


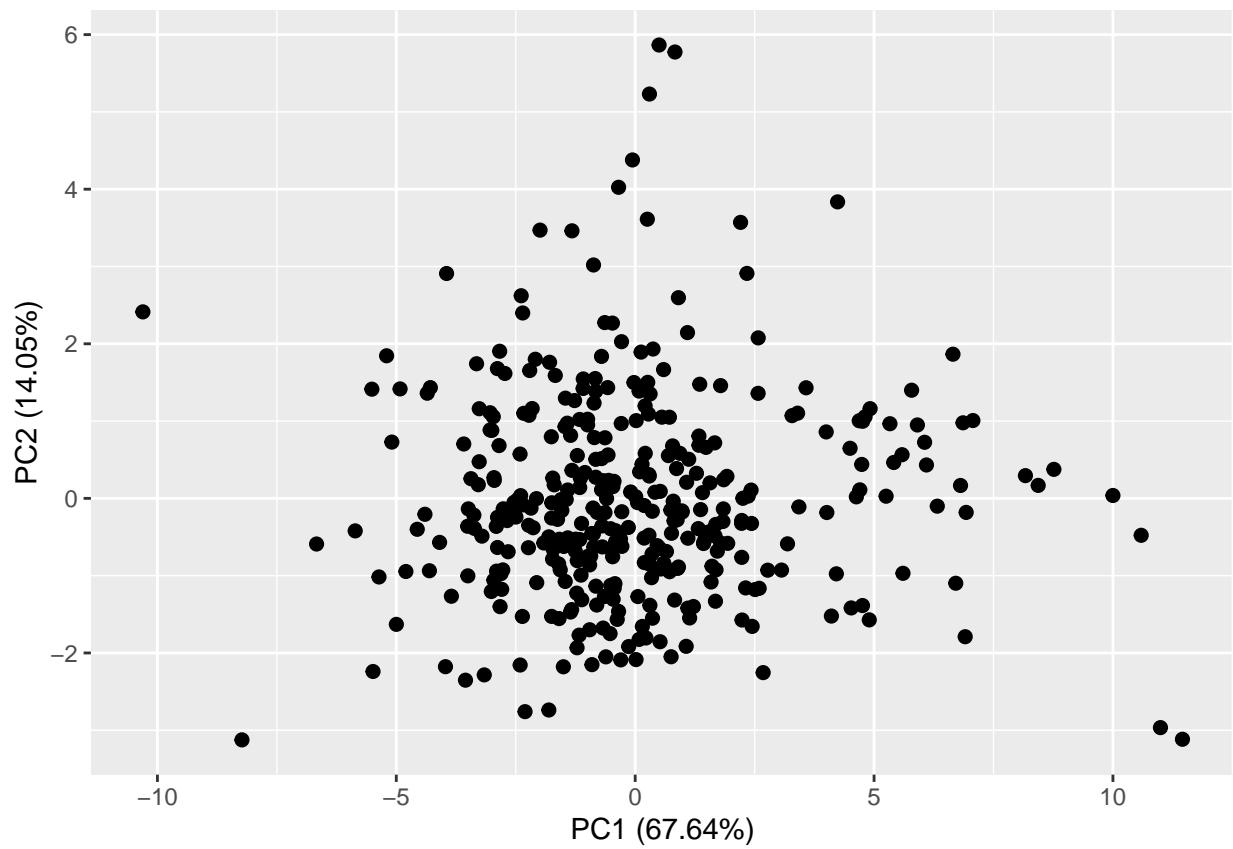
All available features in area





36 IGHG.Full.

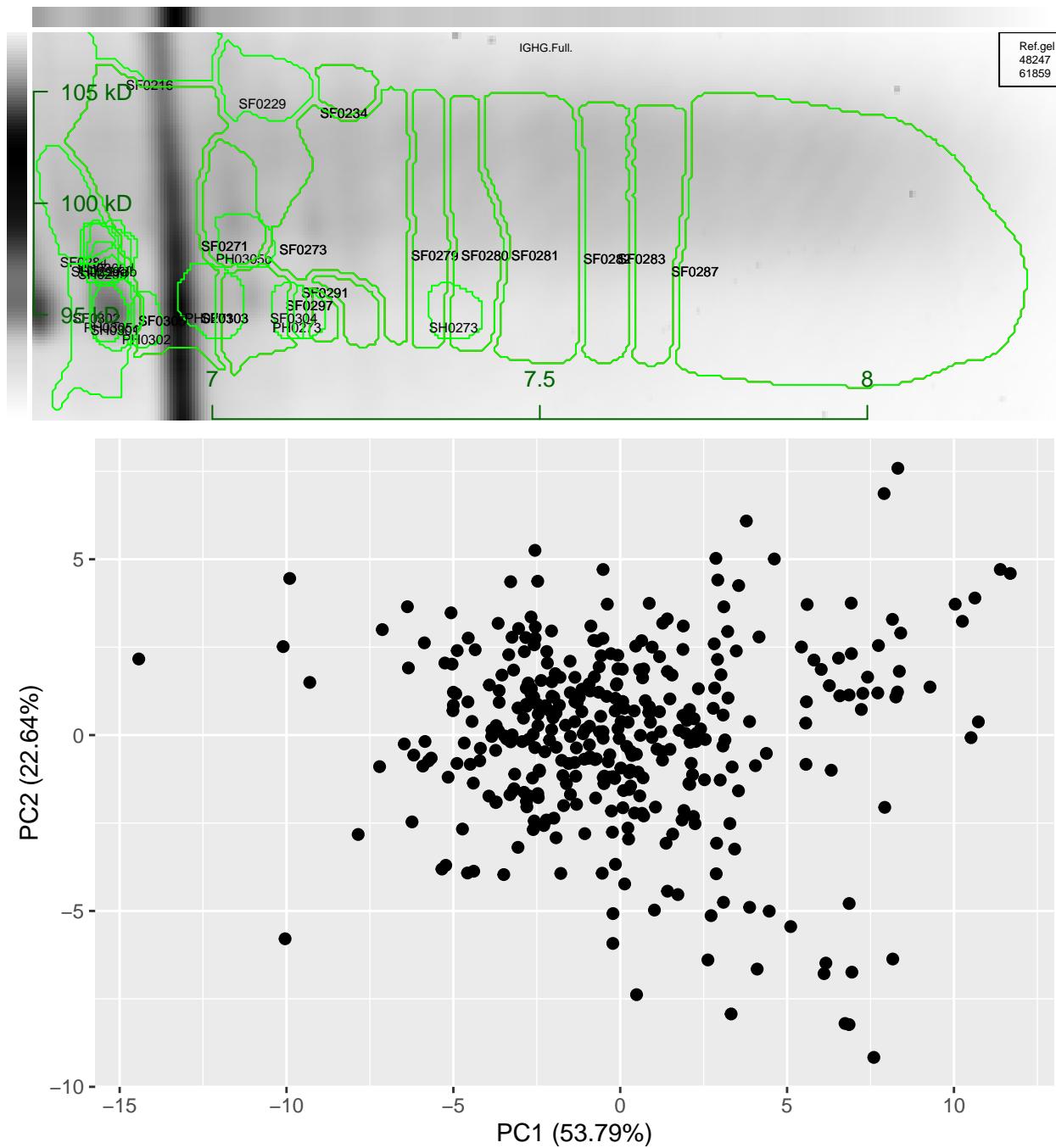




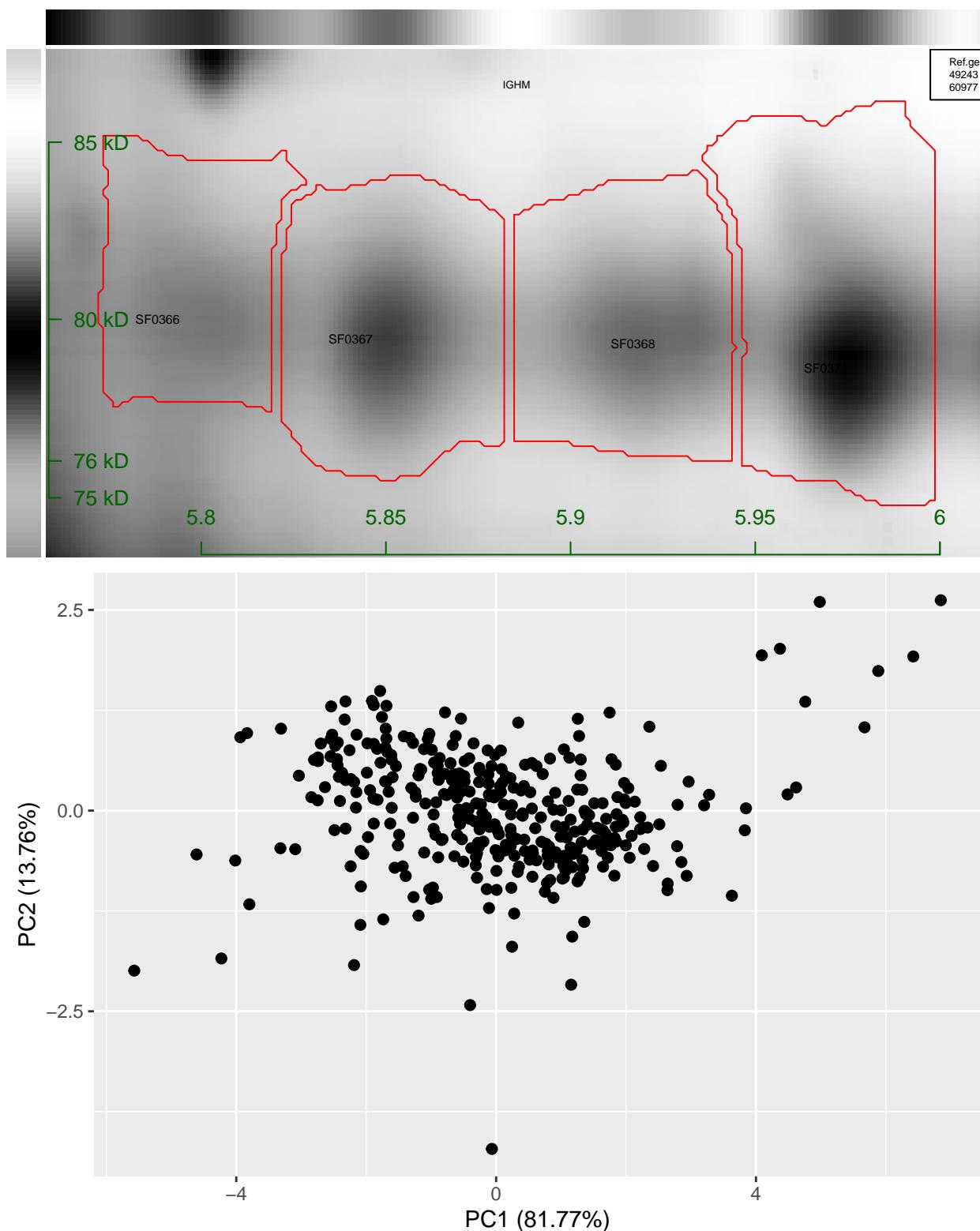
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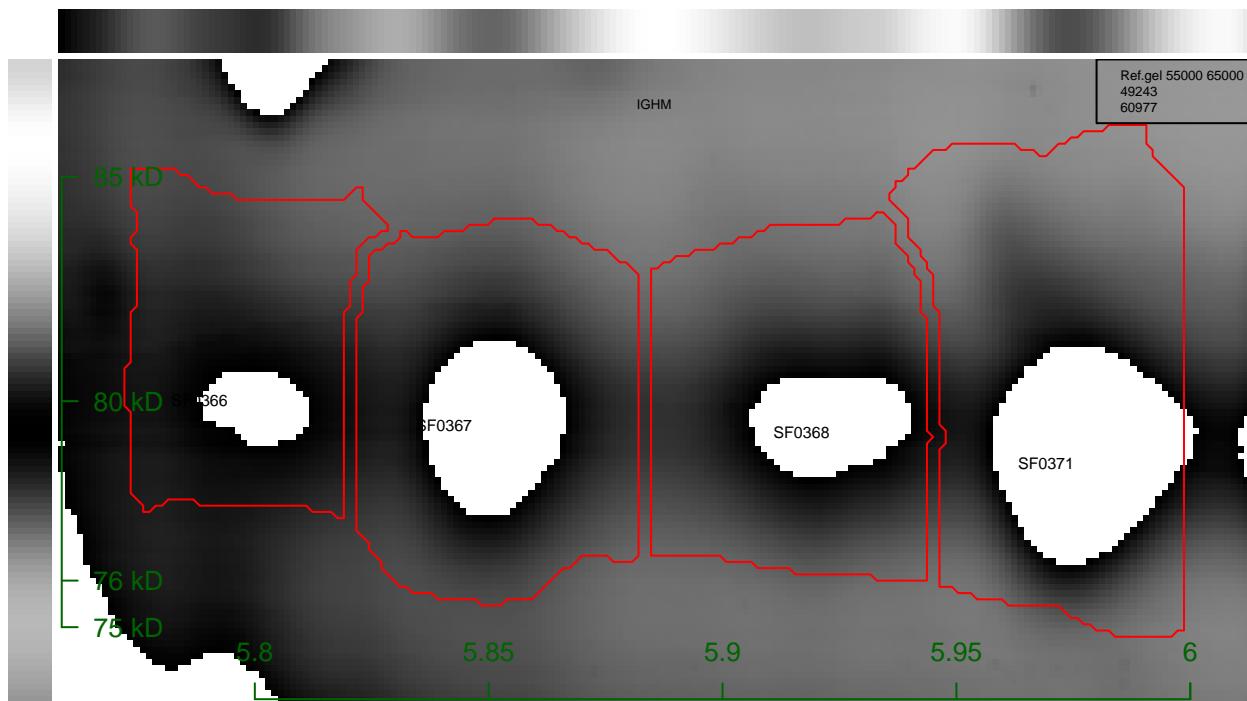
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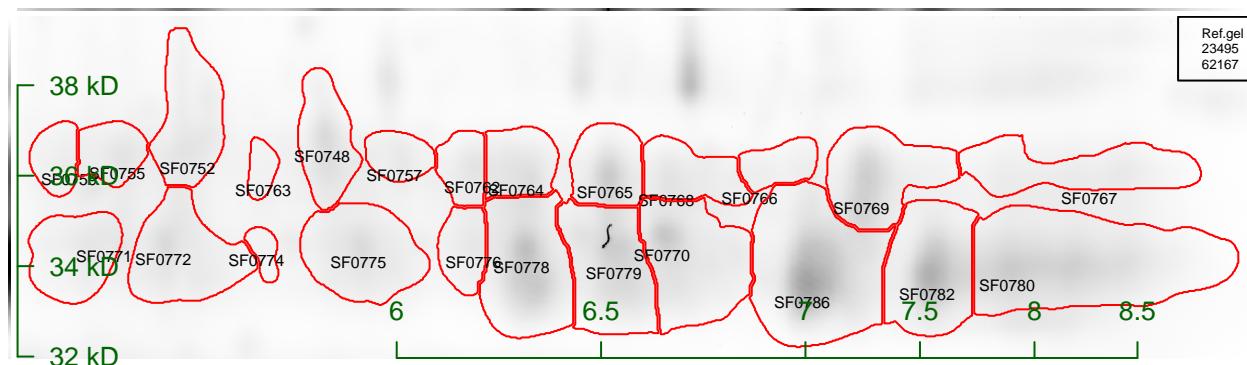
37 IGHM

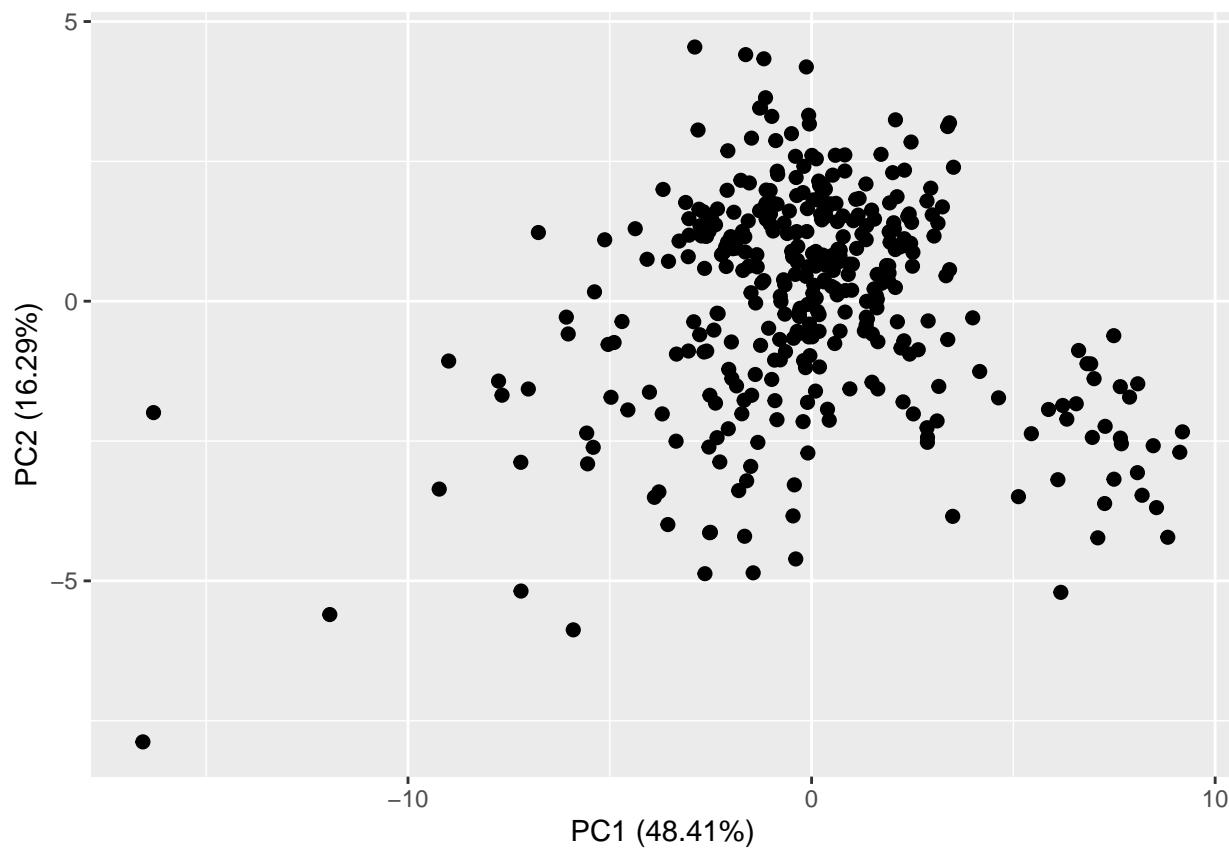


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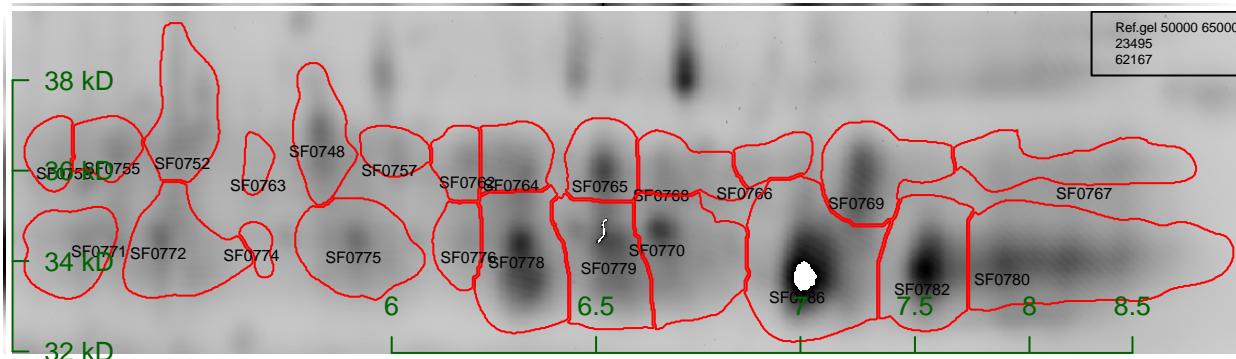


38 IGLC

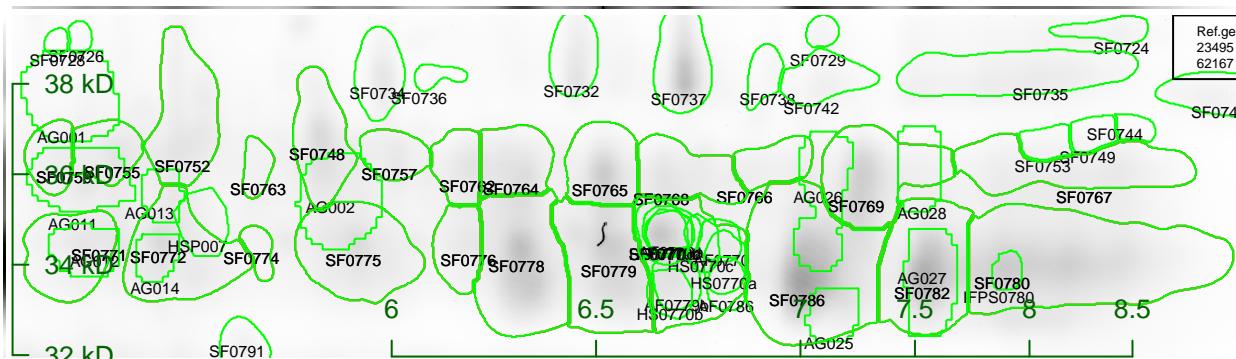


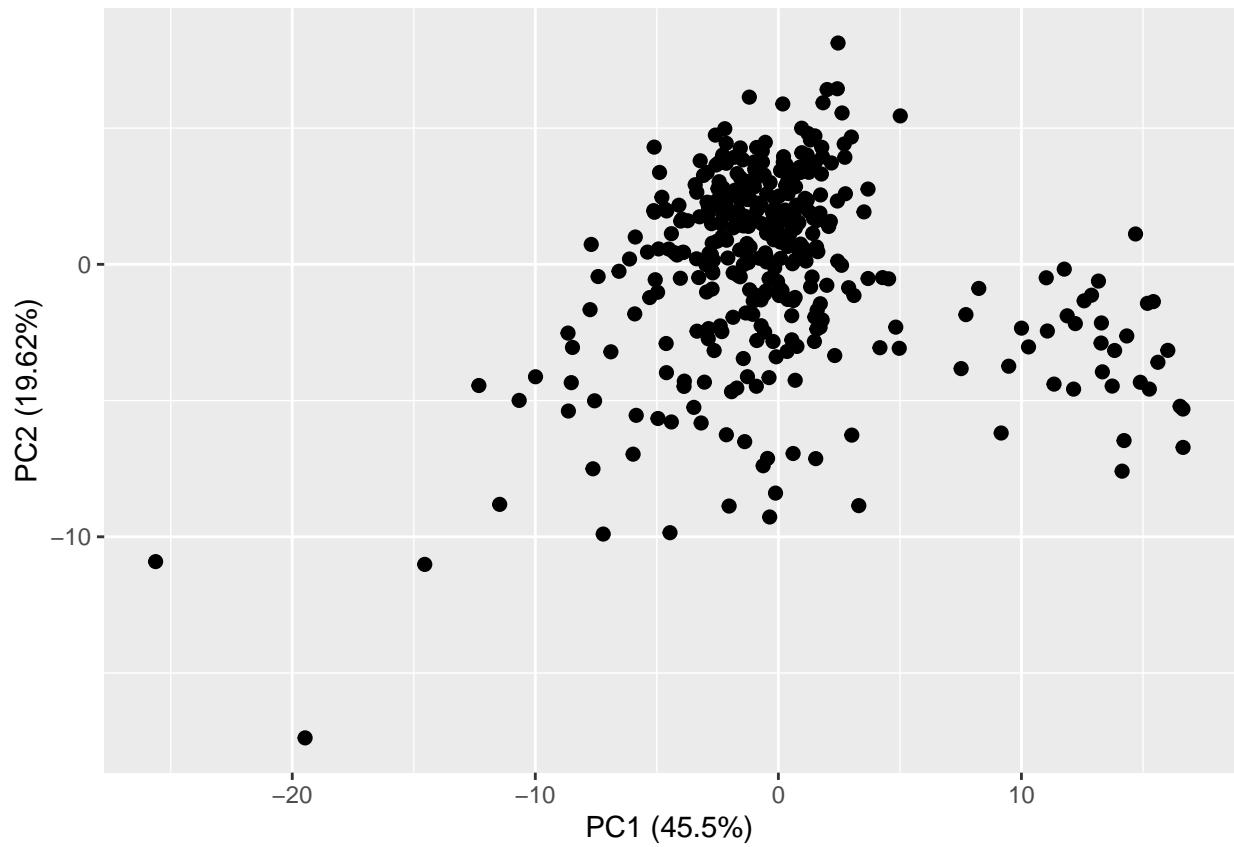


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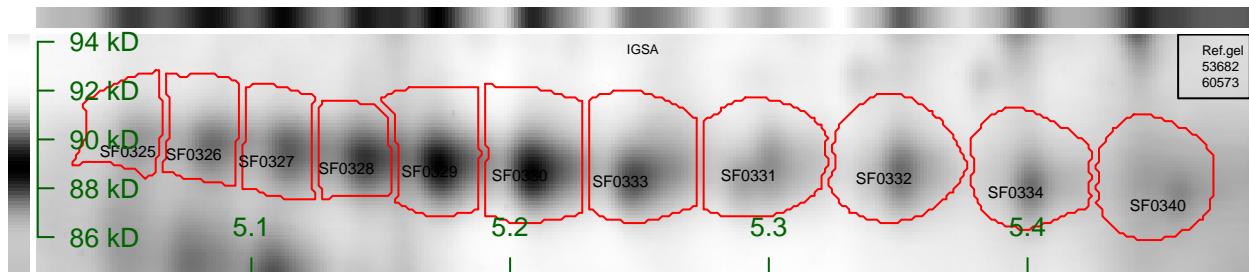


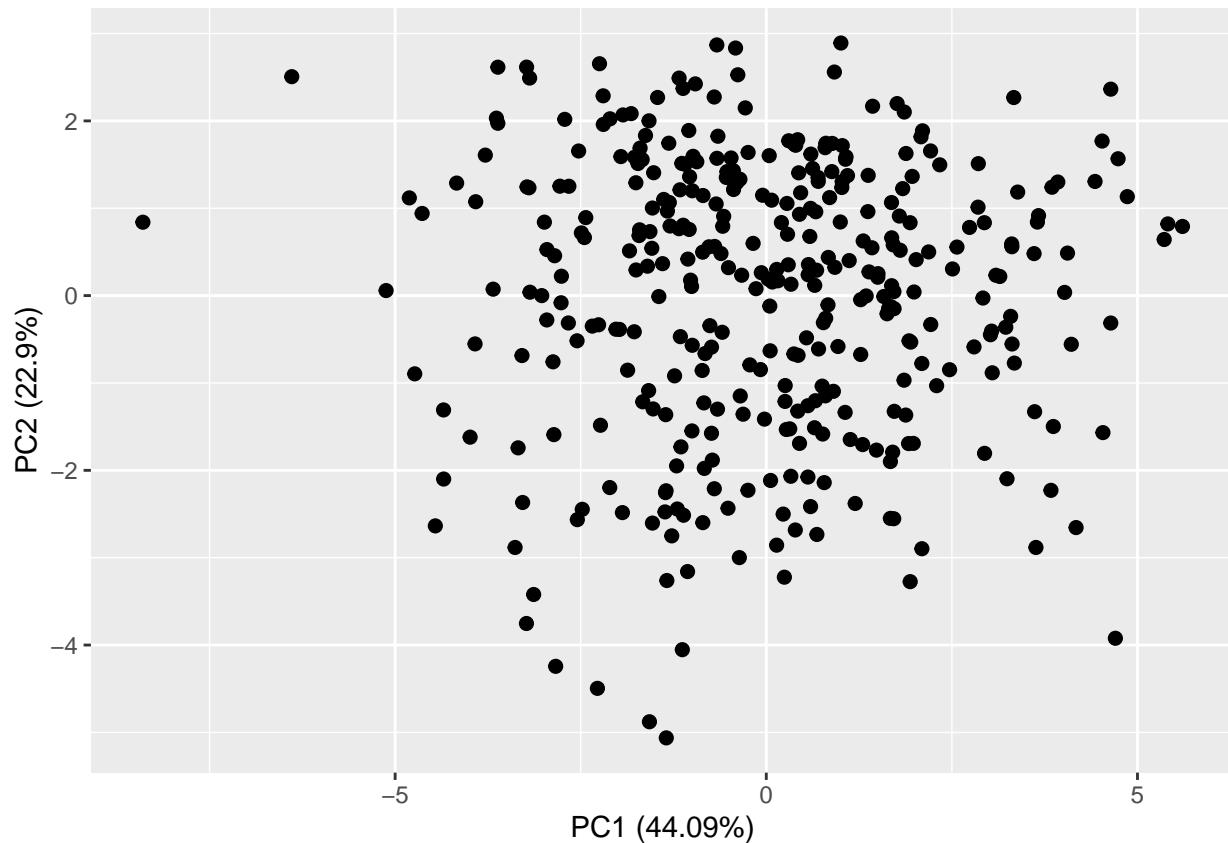
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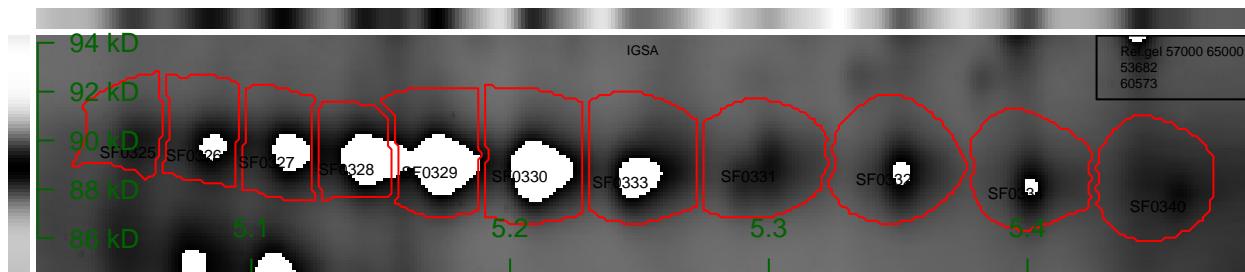


39 IGSA



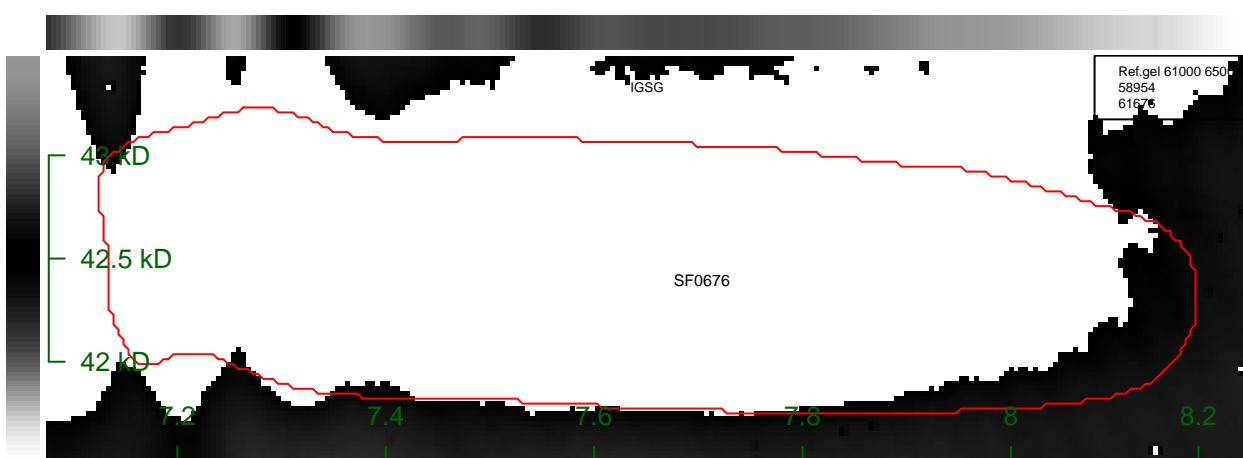
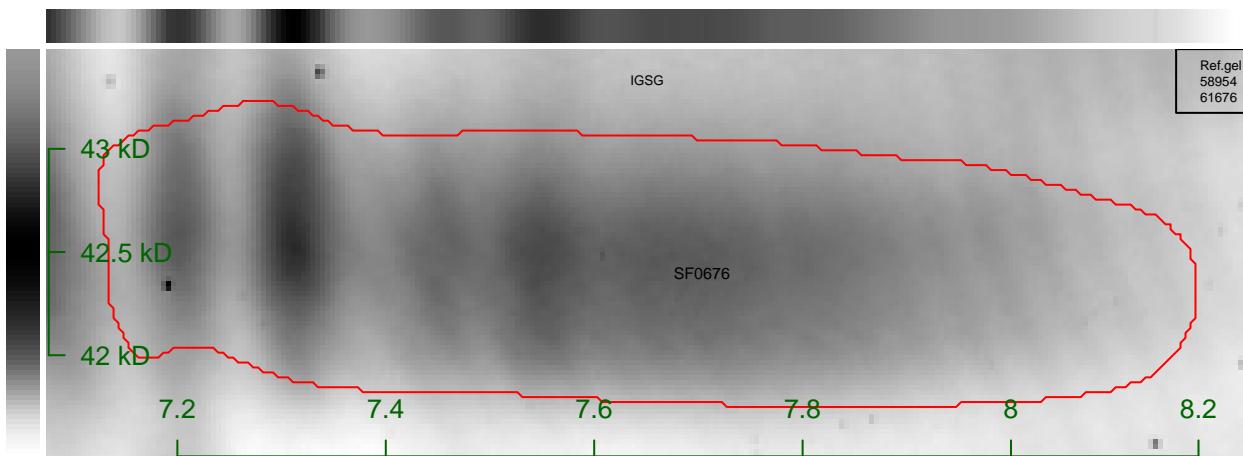


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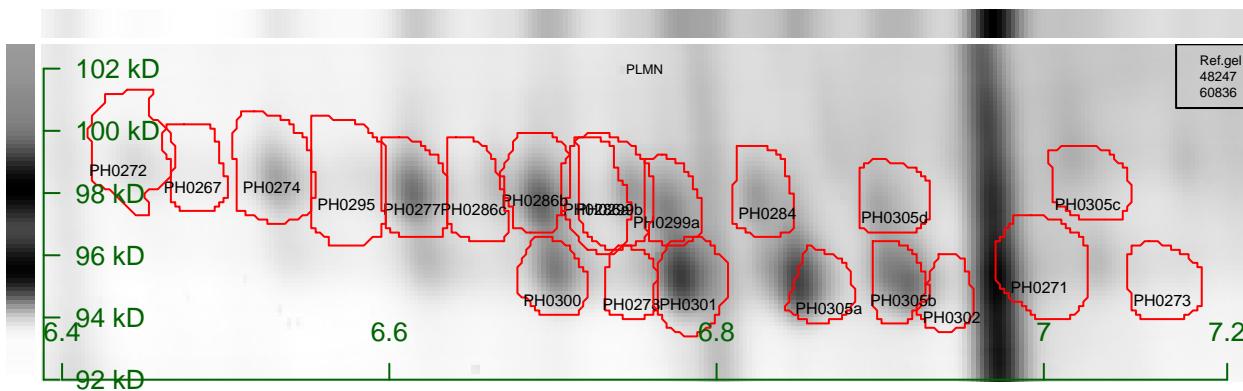
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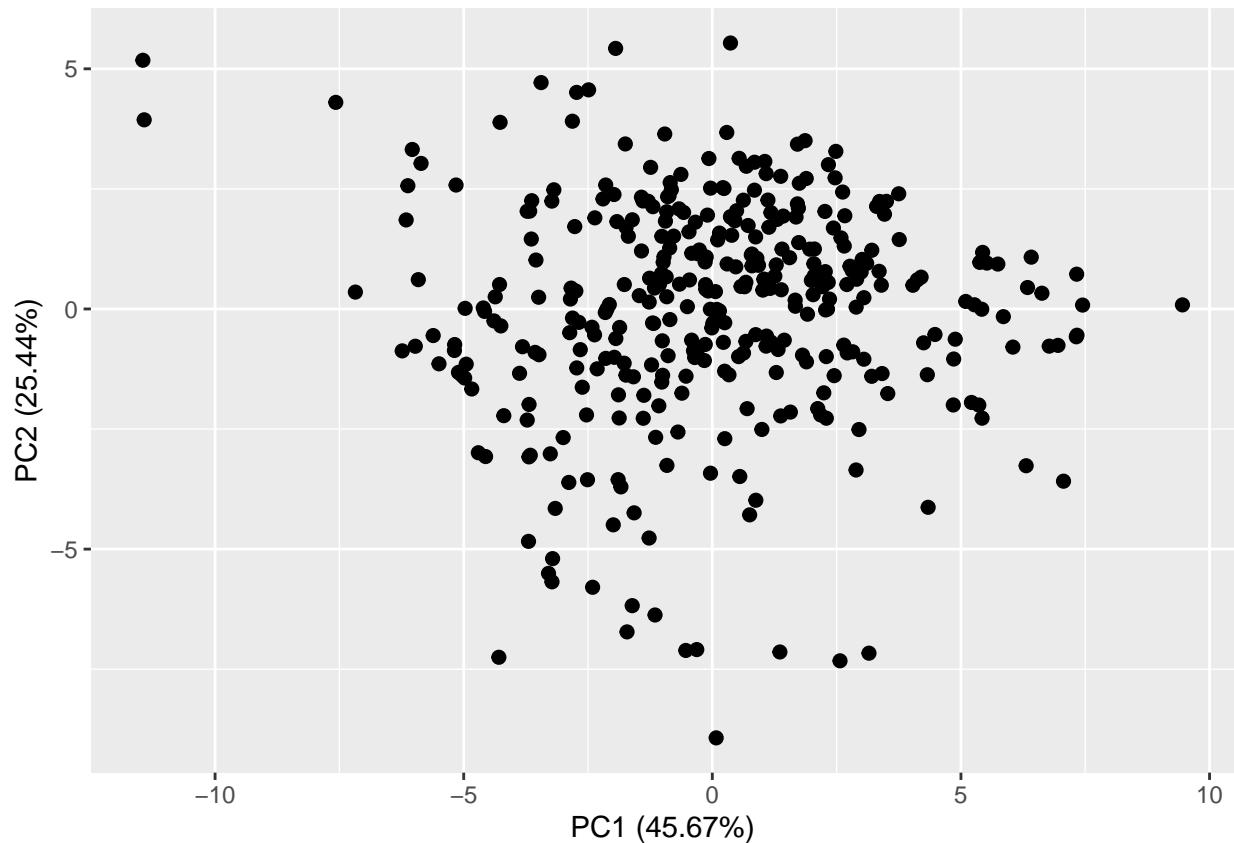
40 IGSG



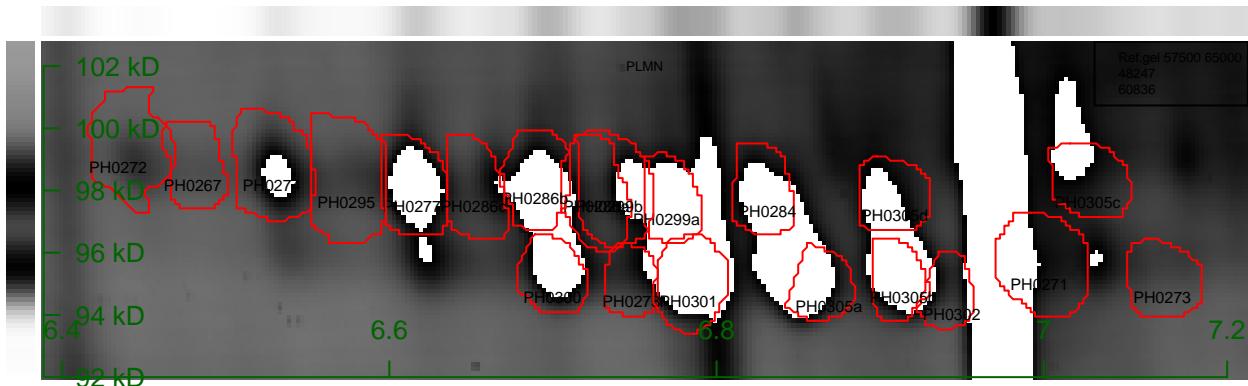
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41 PLMN

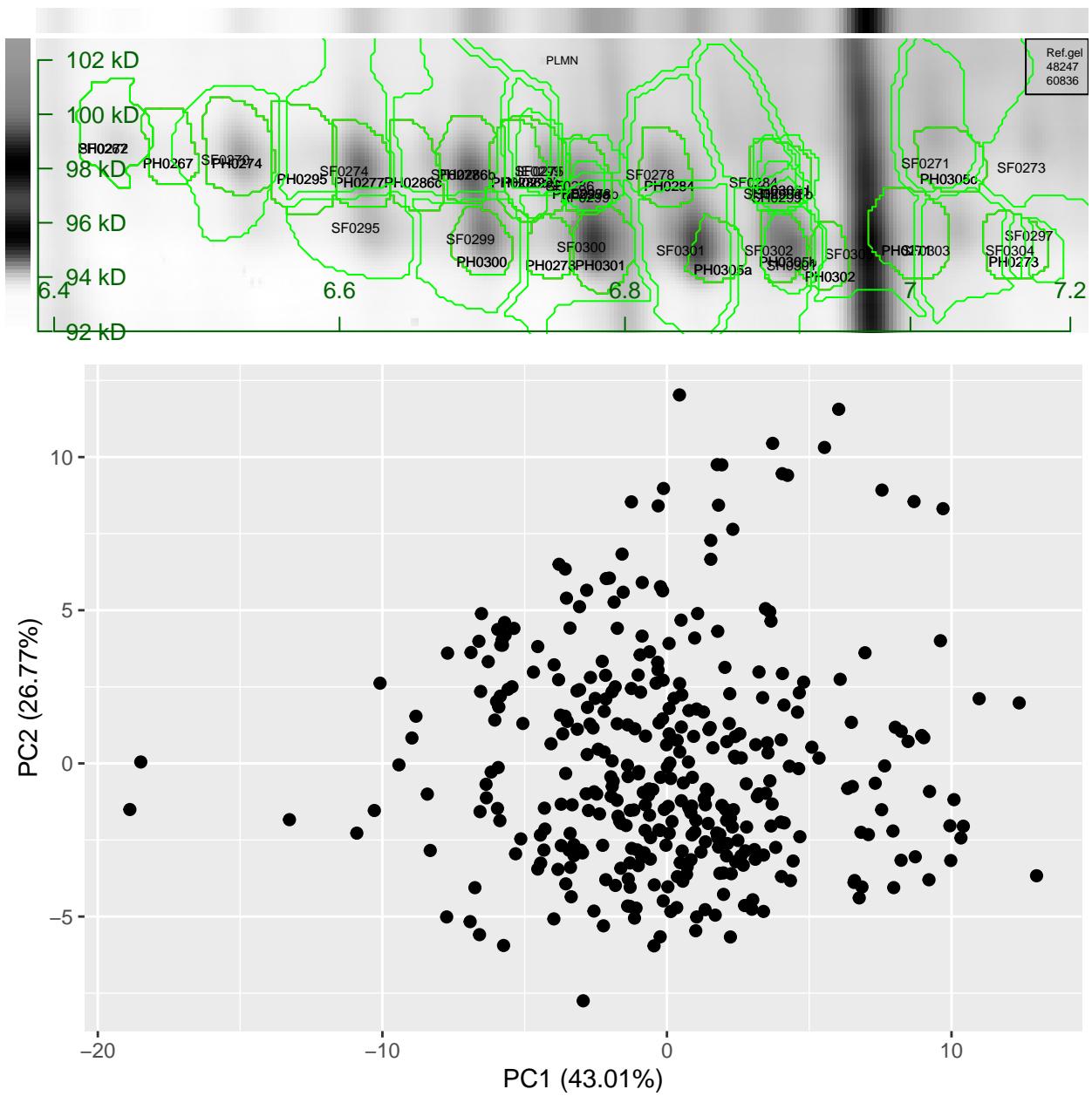




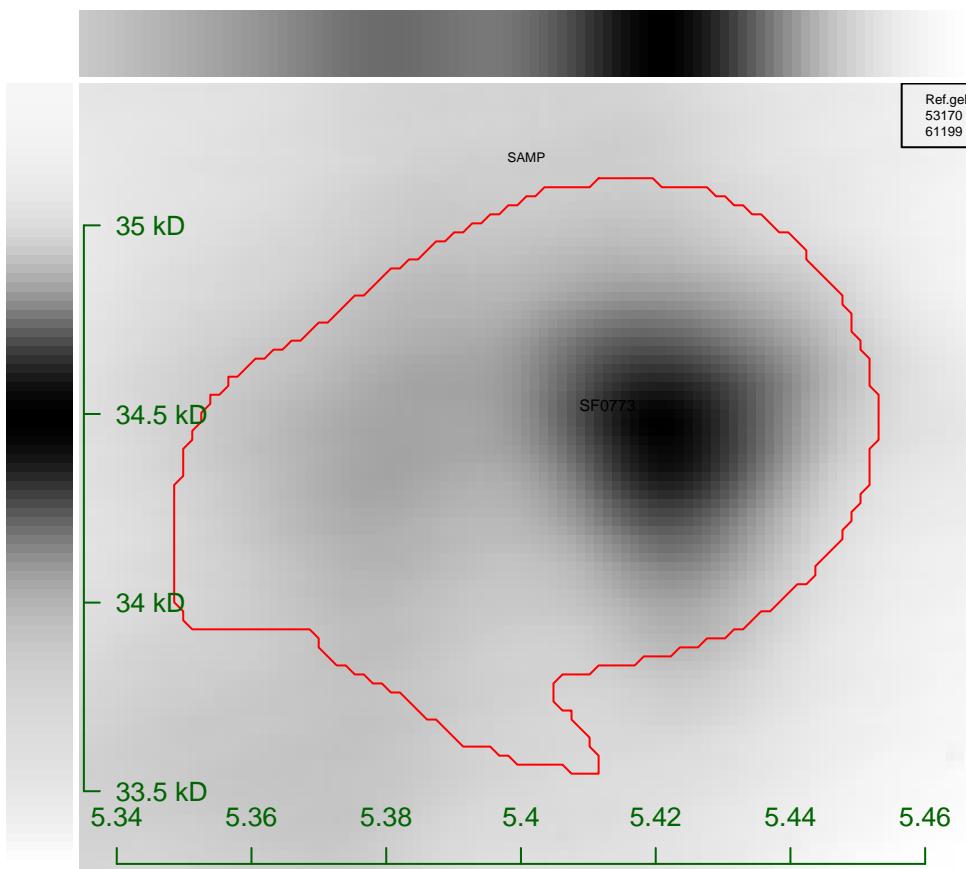
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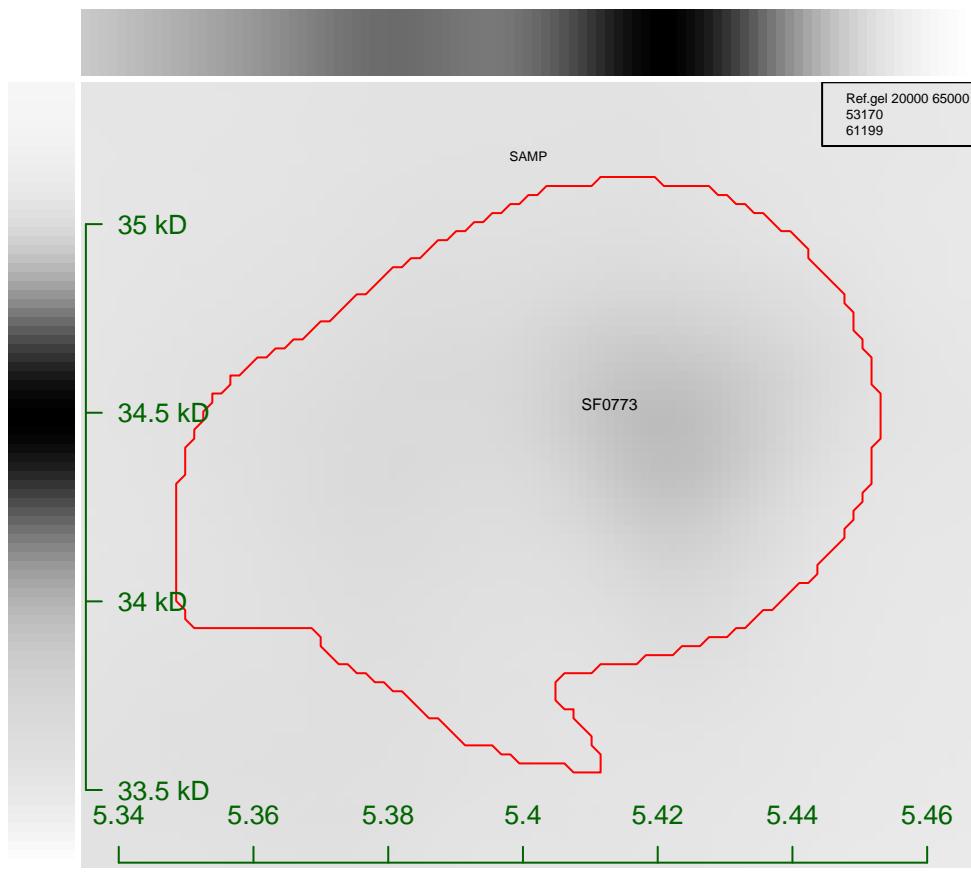
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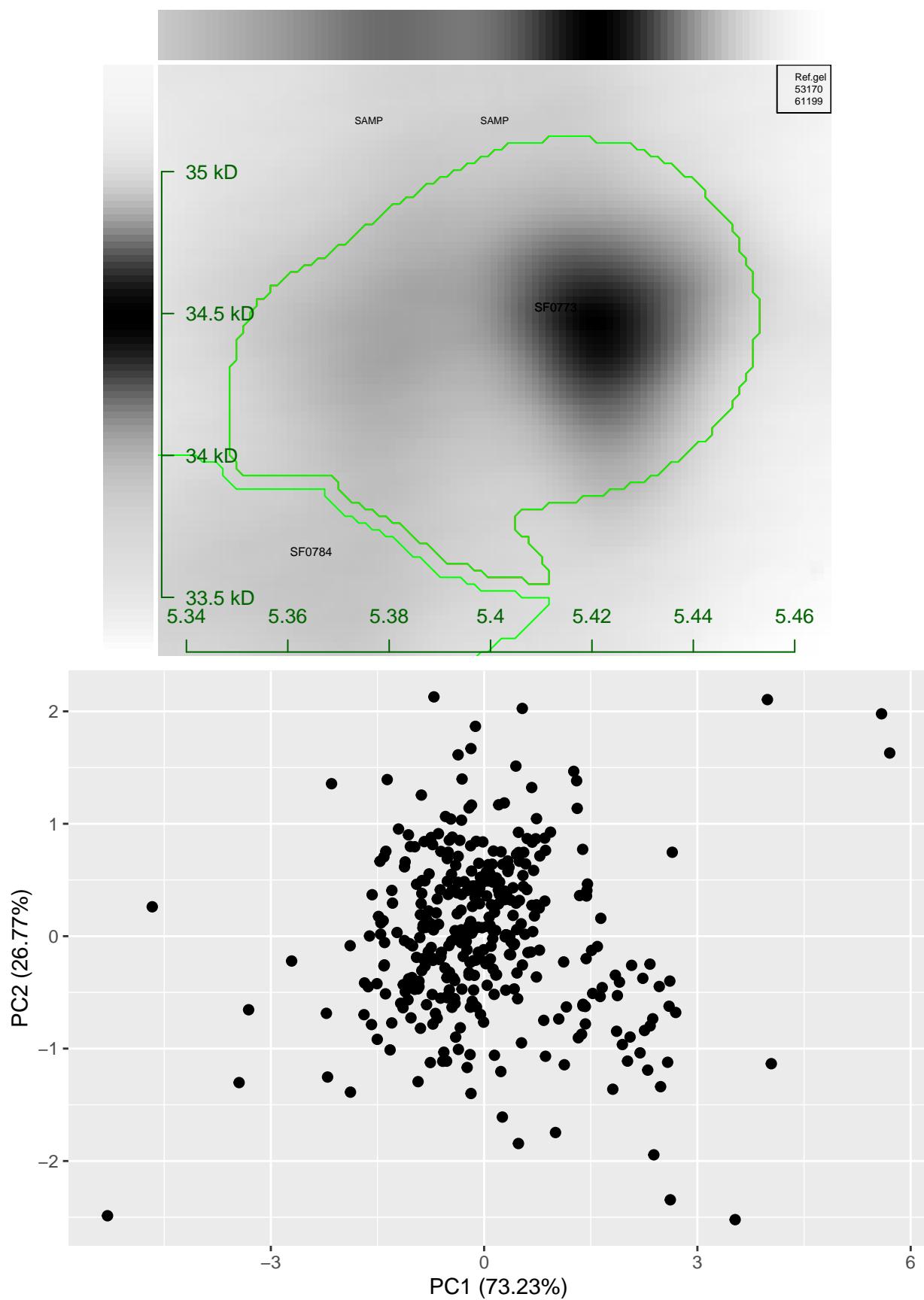
42 SAMP

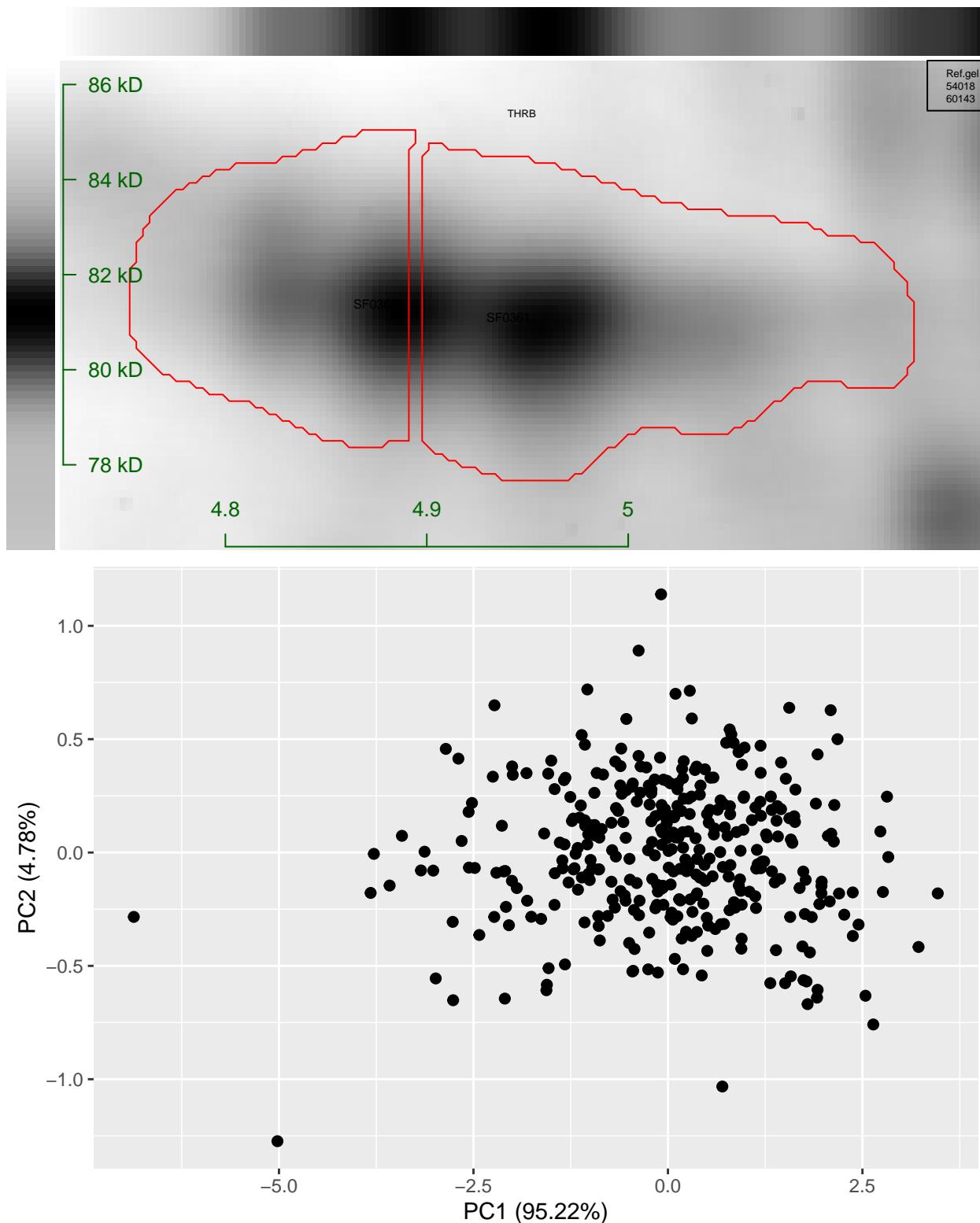


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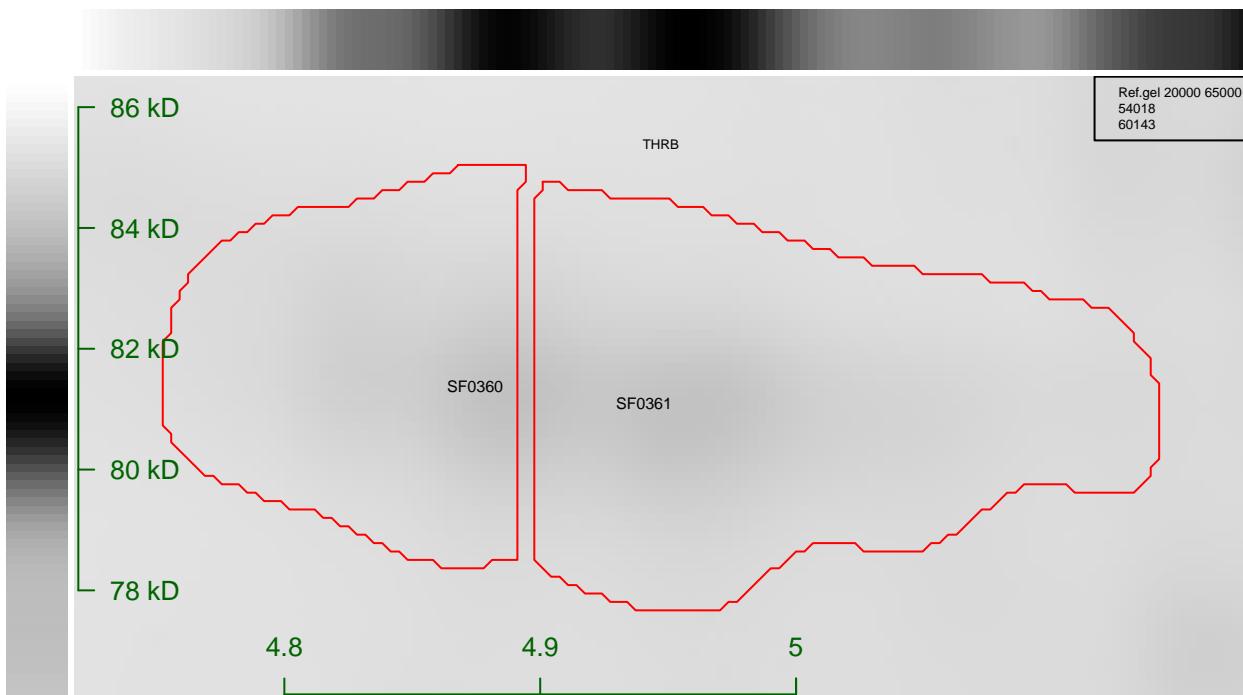


All available features in area



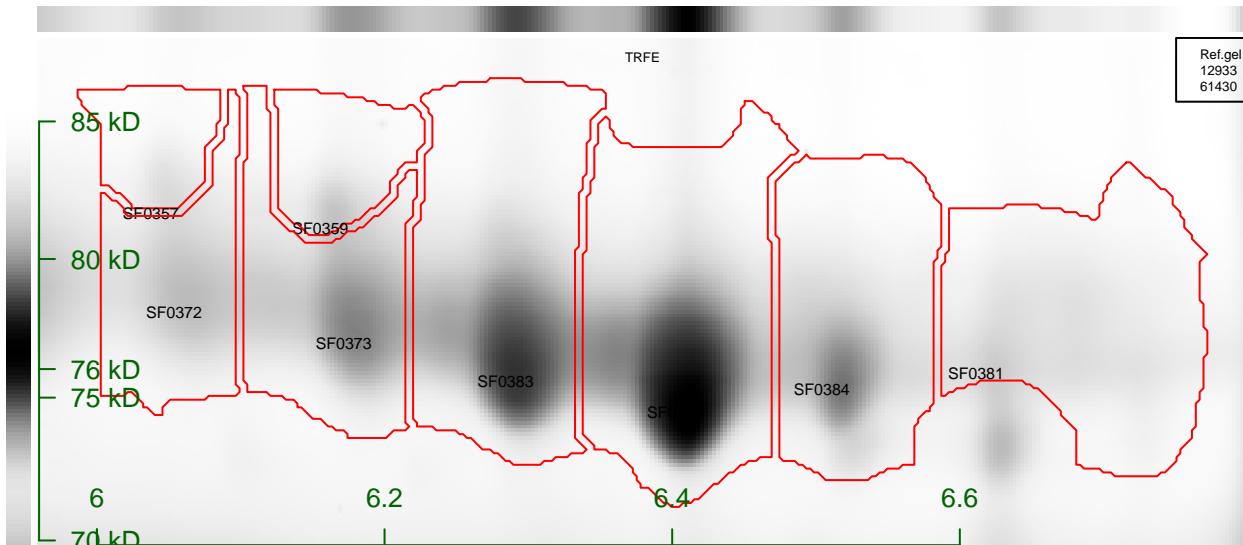
43 THRB

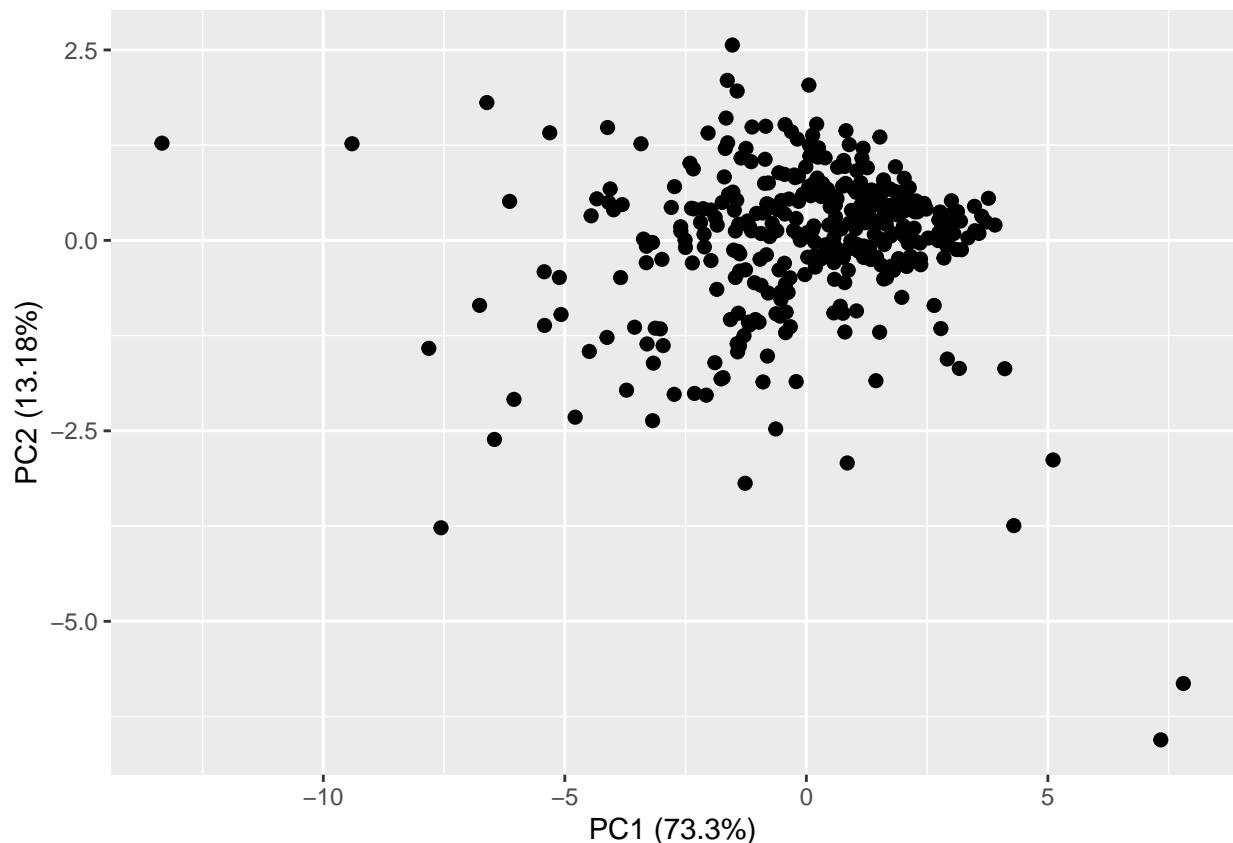
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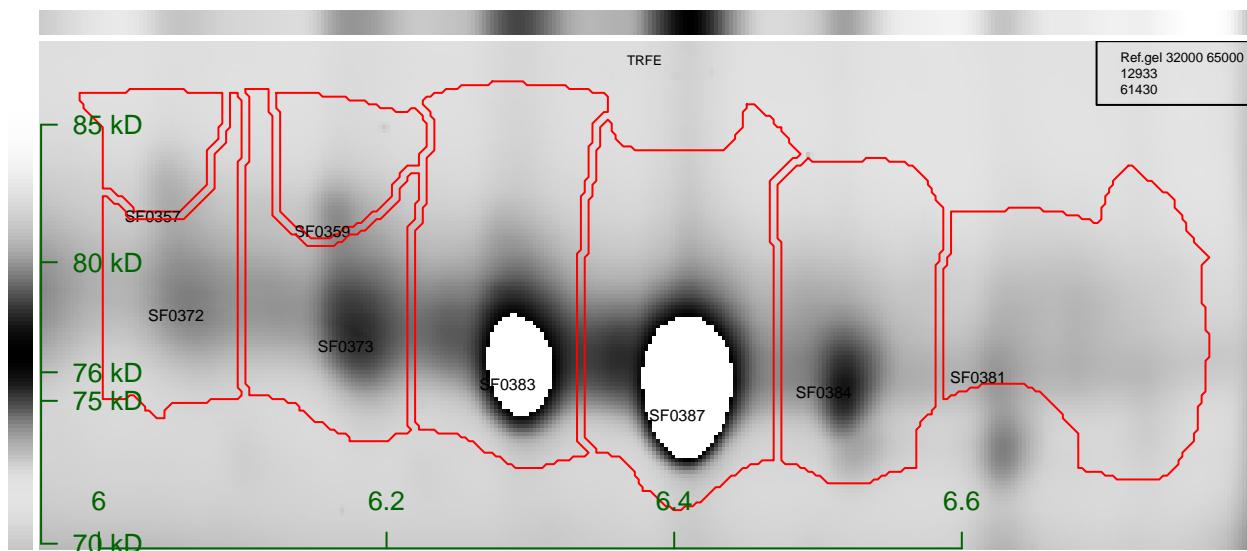
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44 TRFE

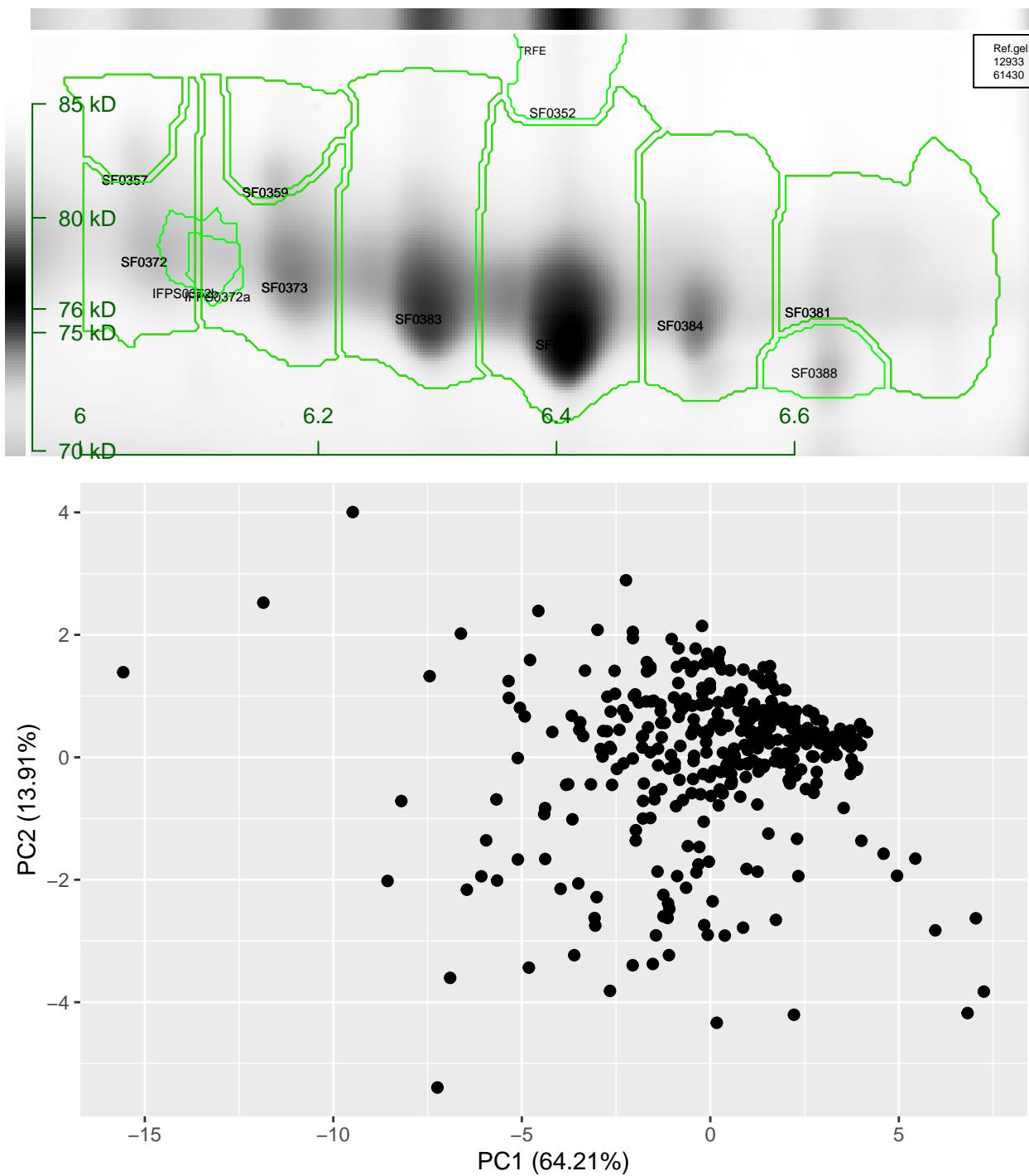




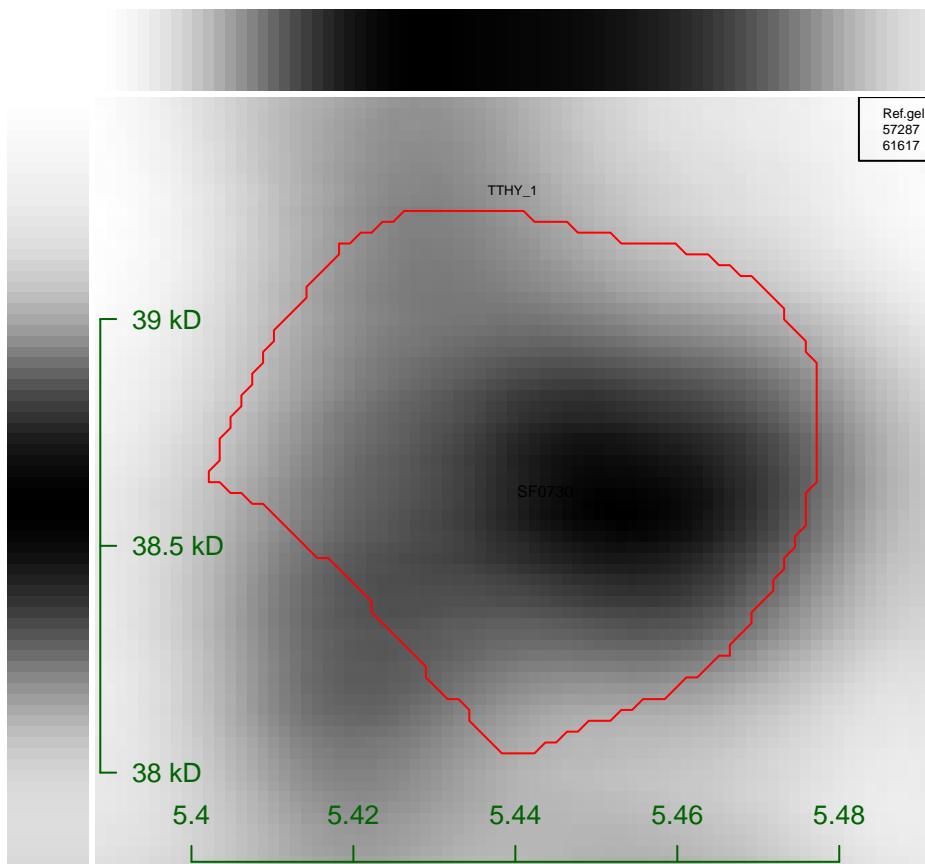
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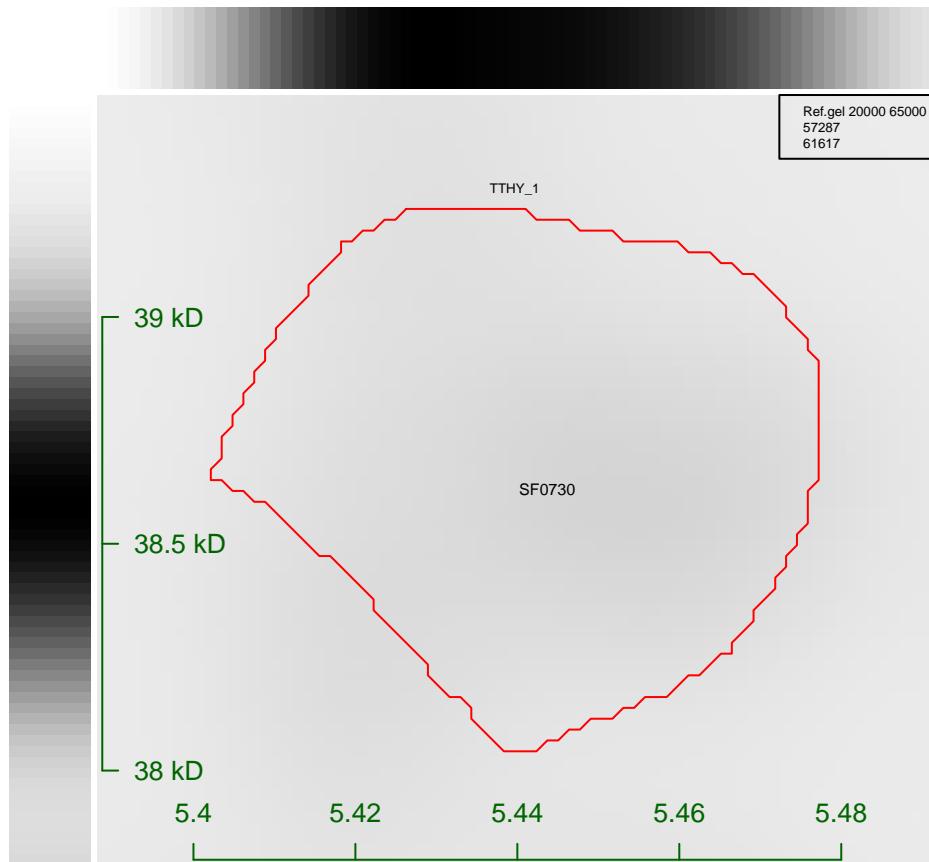
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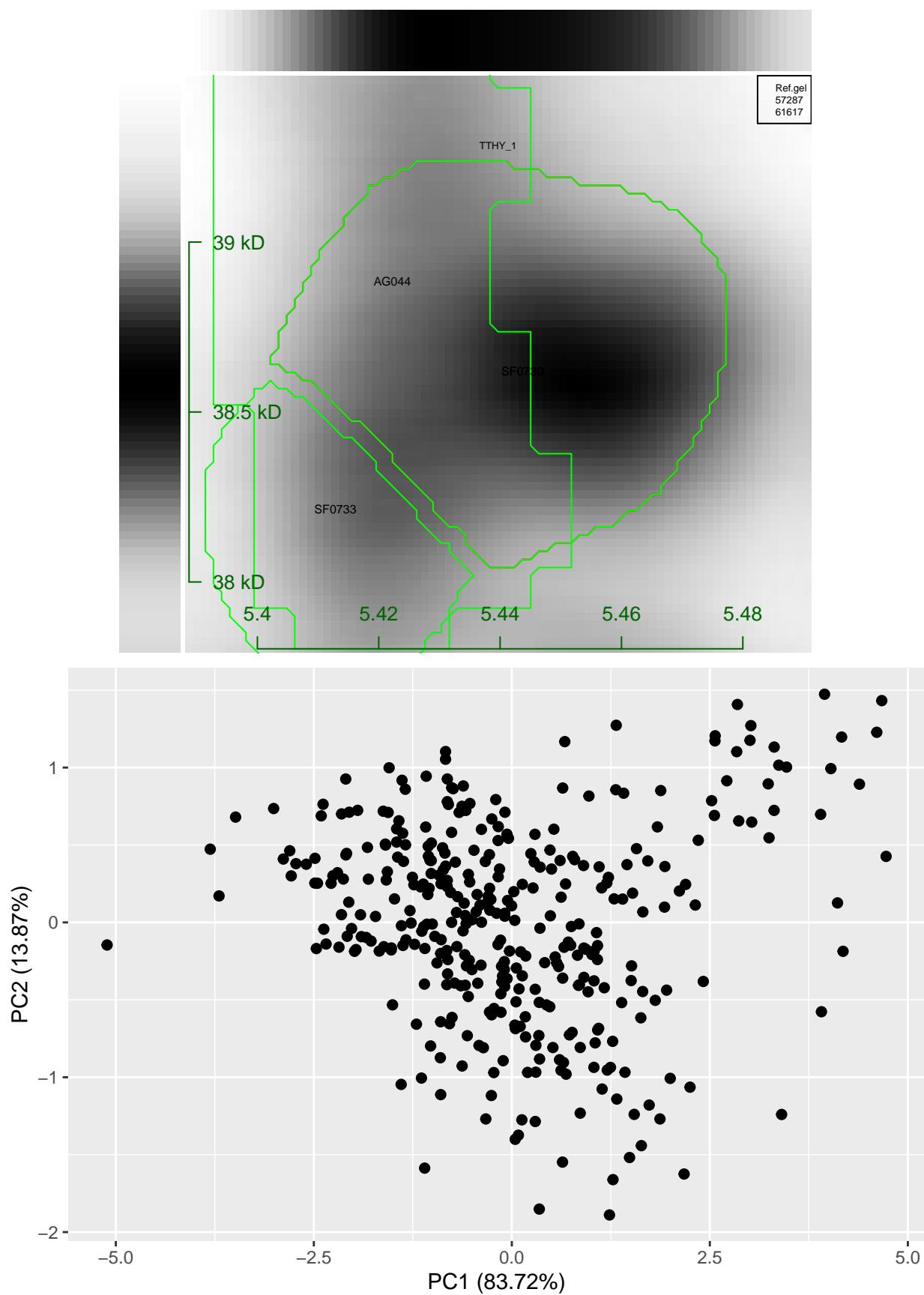
45 TTHY_1

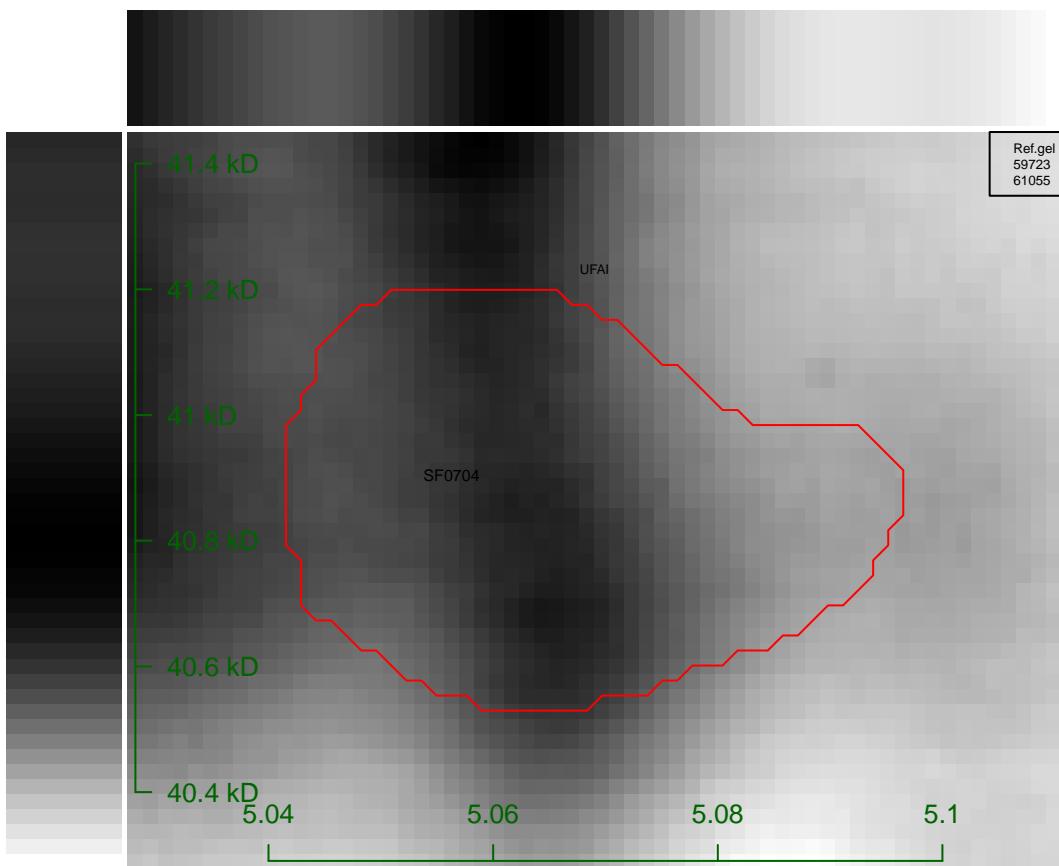


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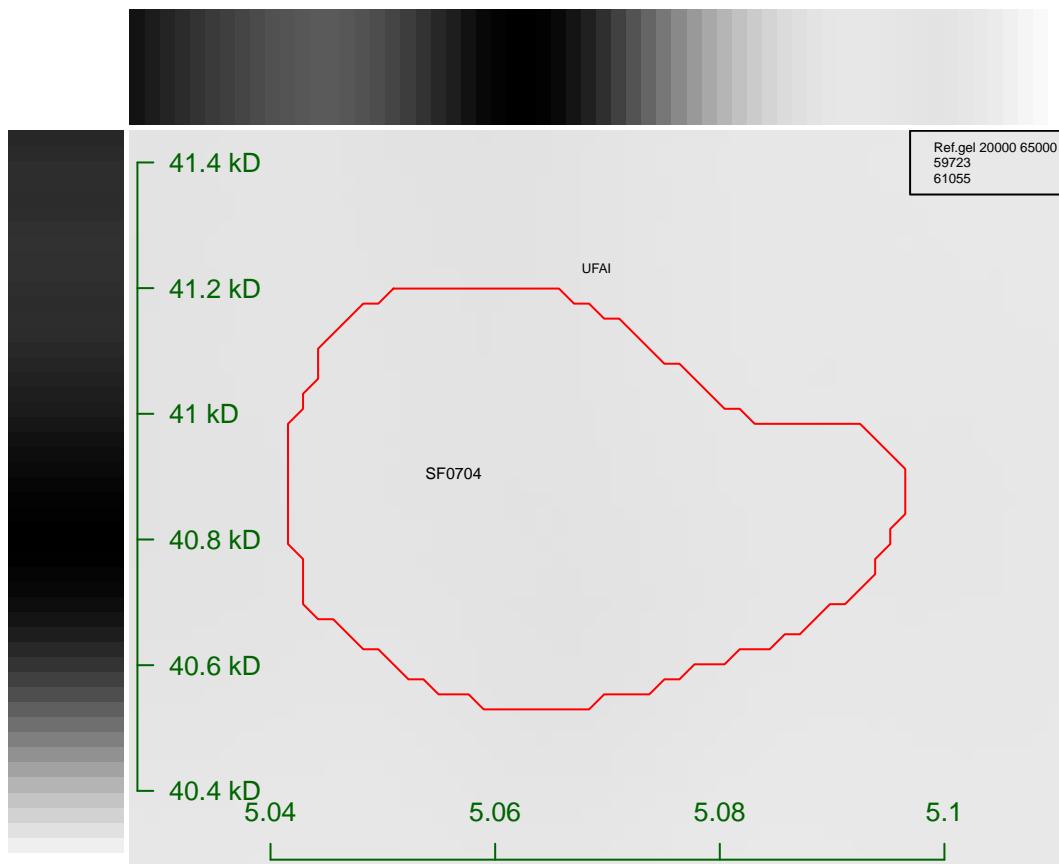


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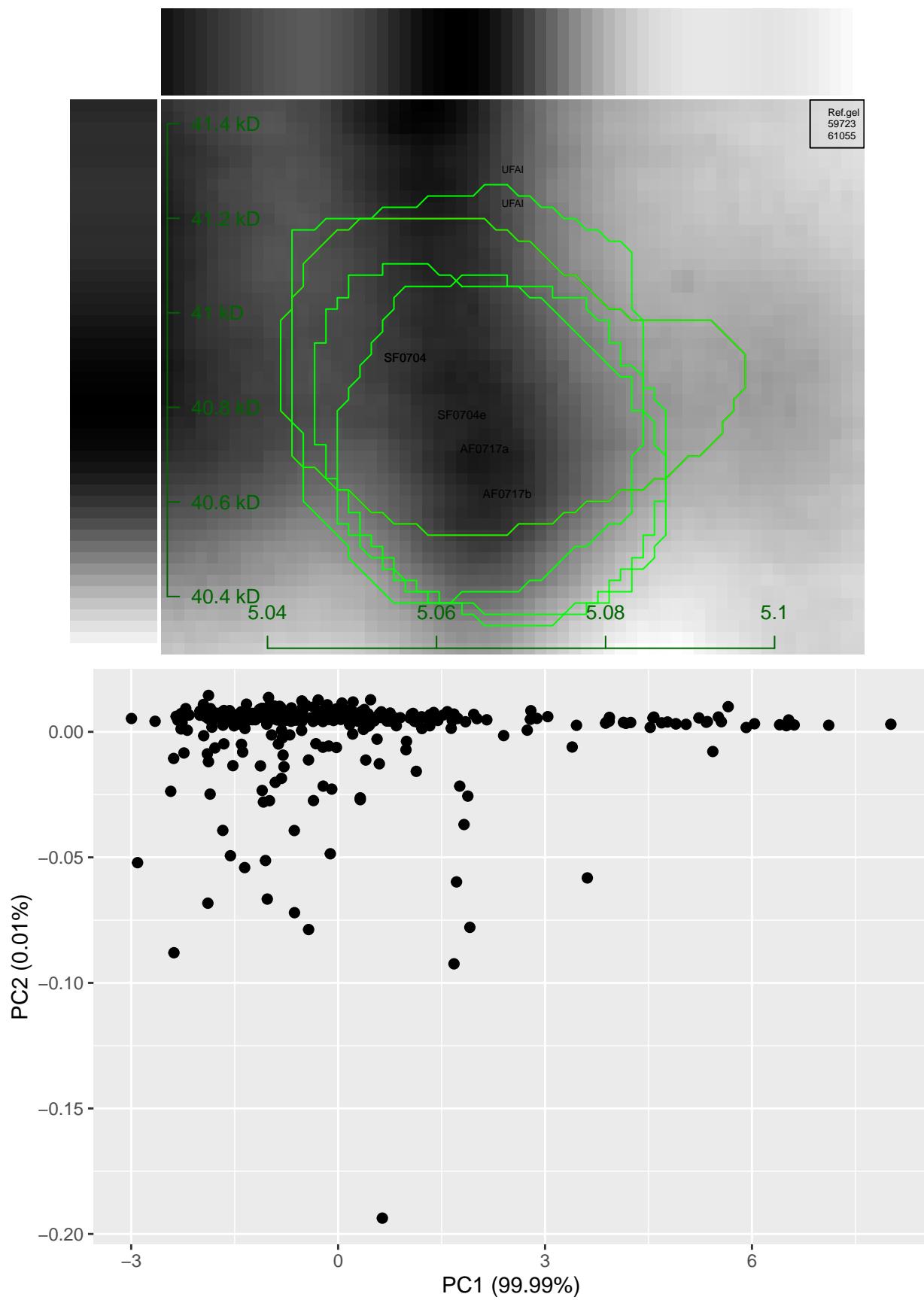


46 UFAI

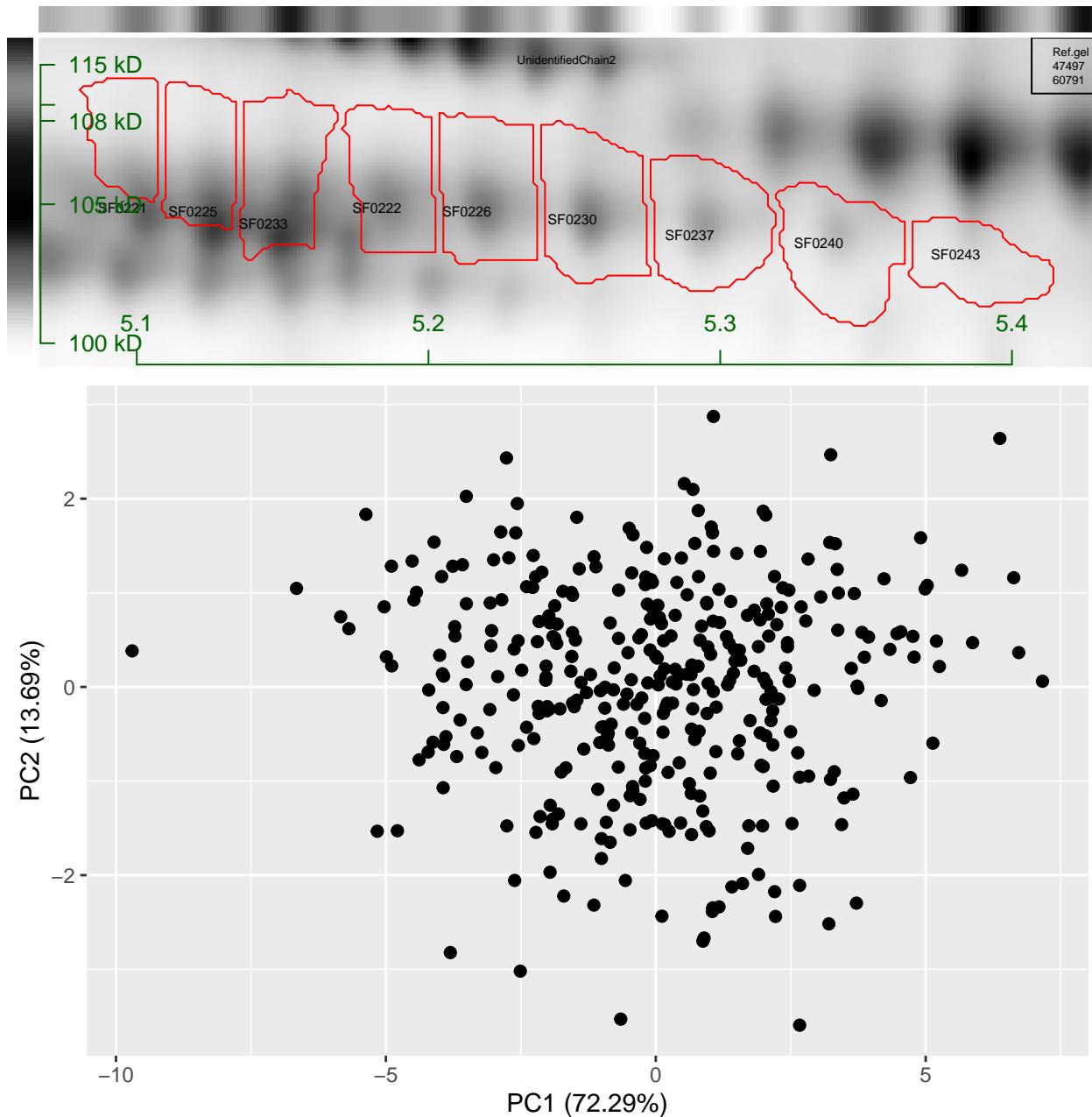
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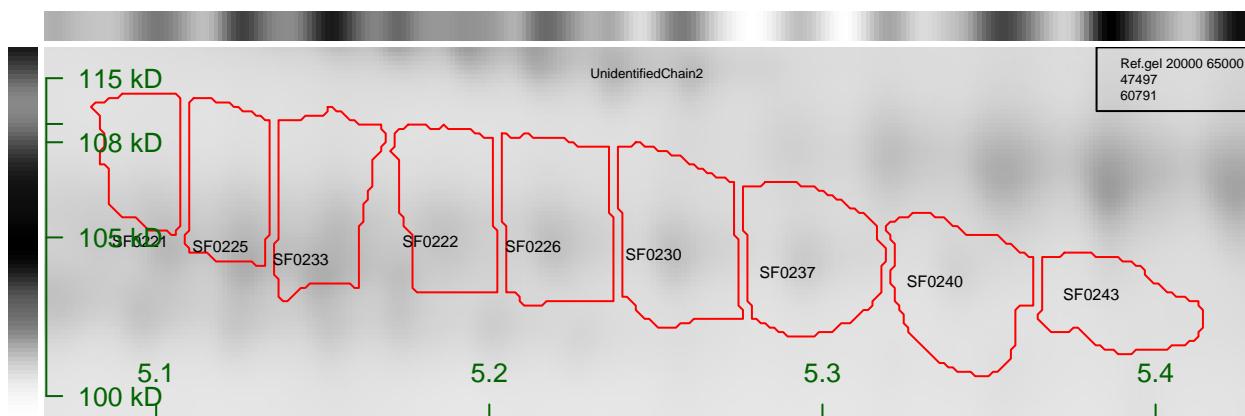
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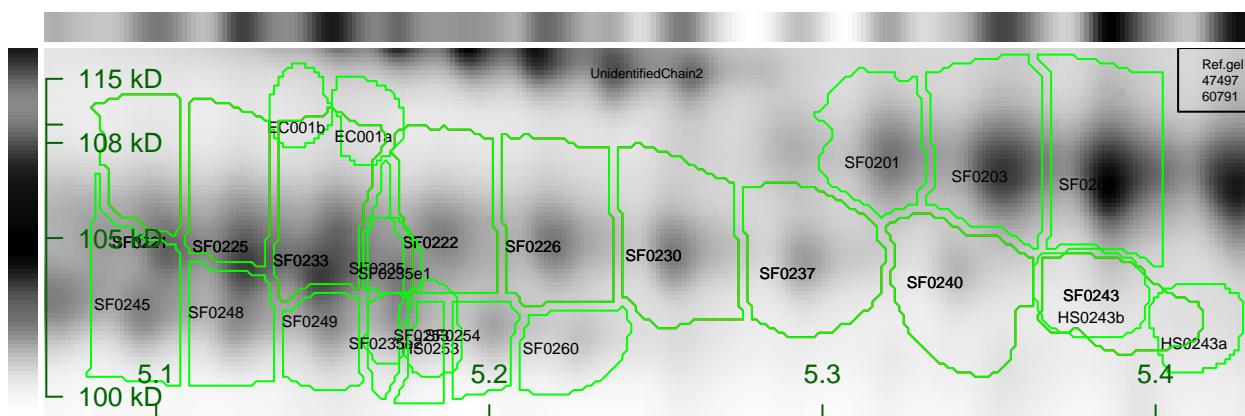
47 UnidentifiedChain2

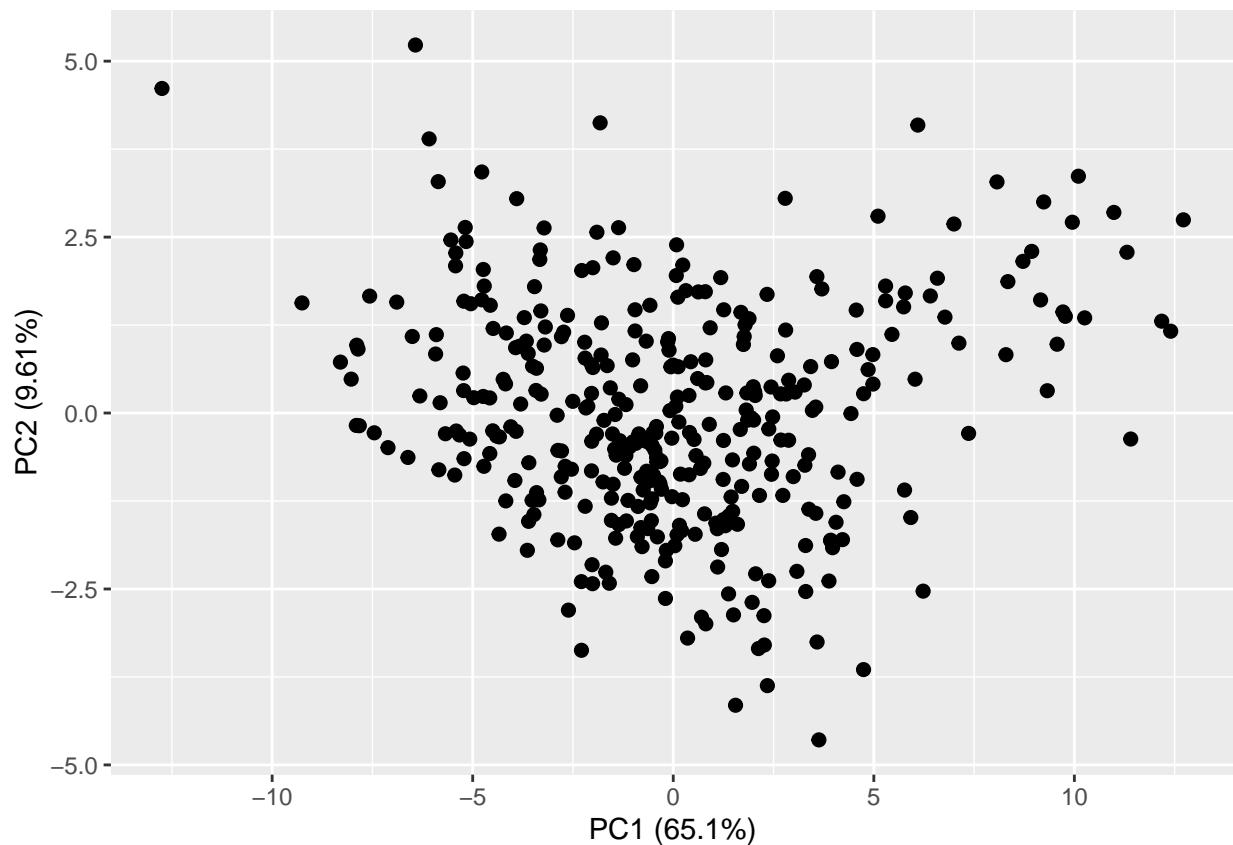


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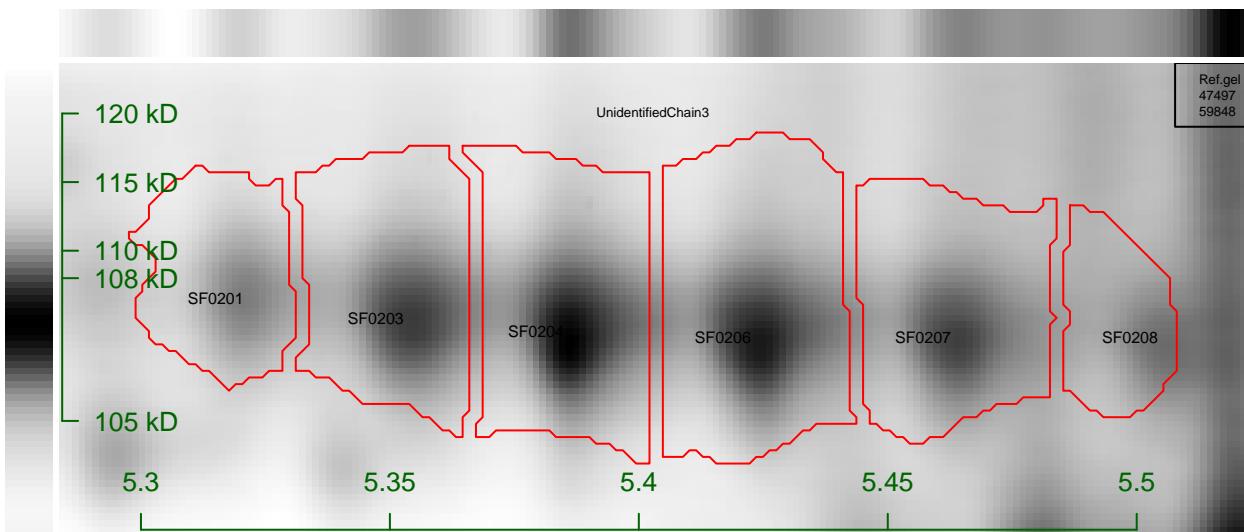


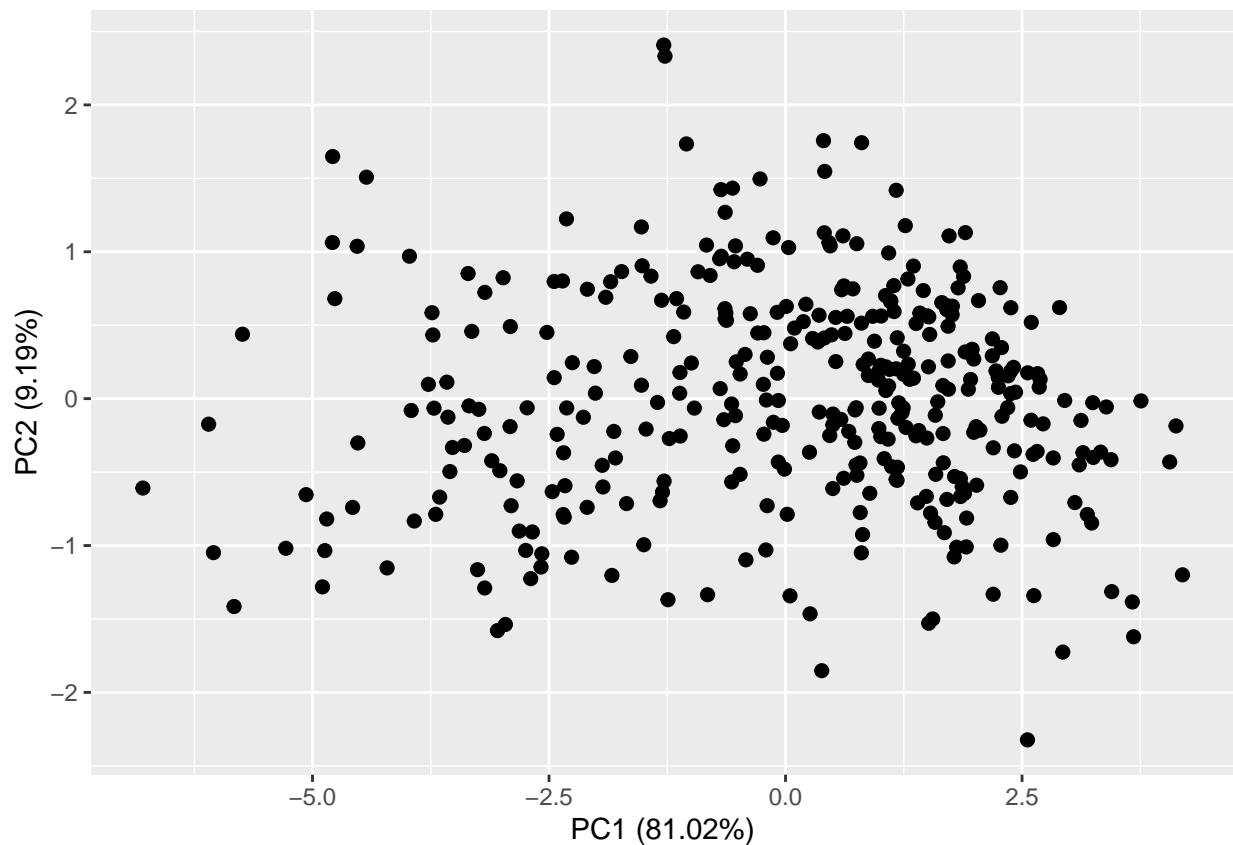
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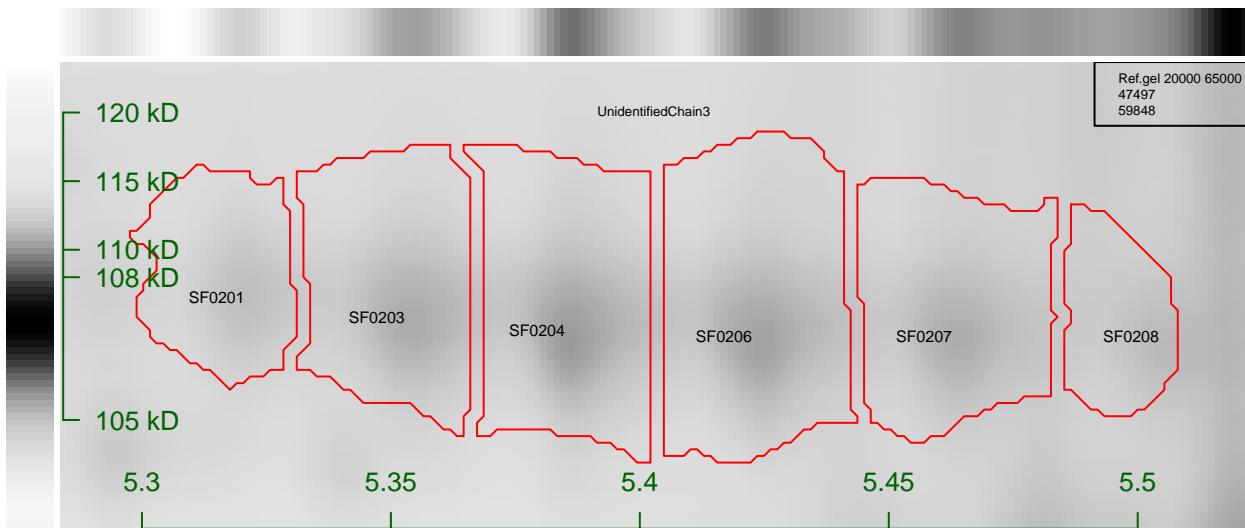


48 UnidentifiedChain3

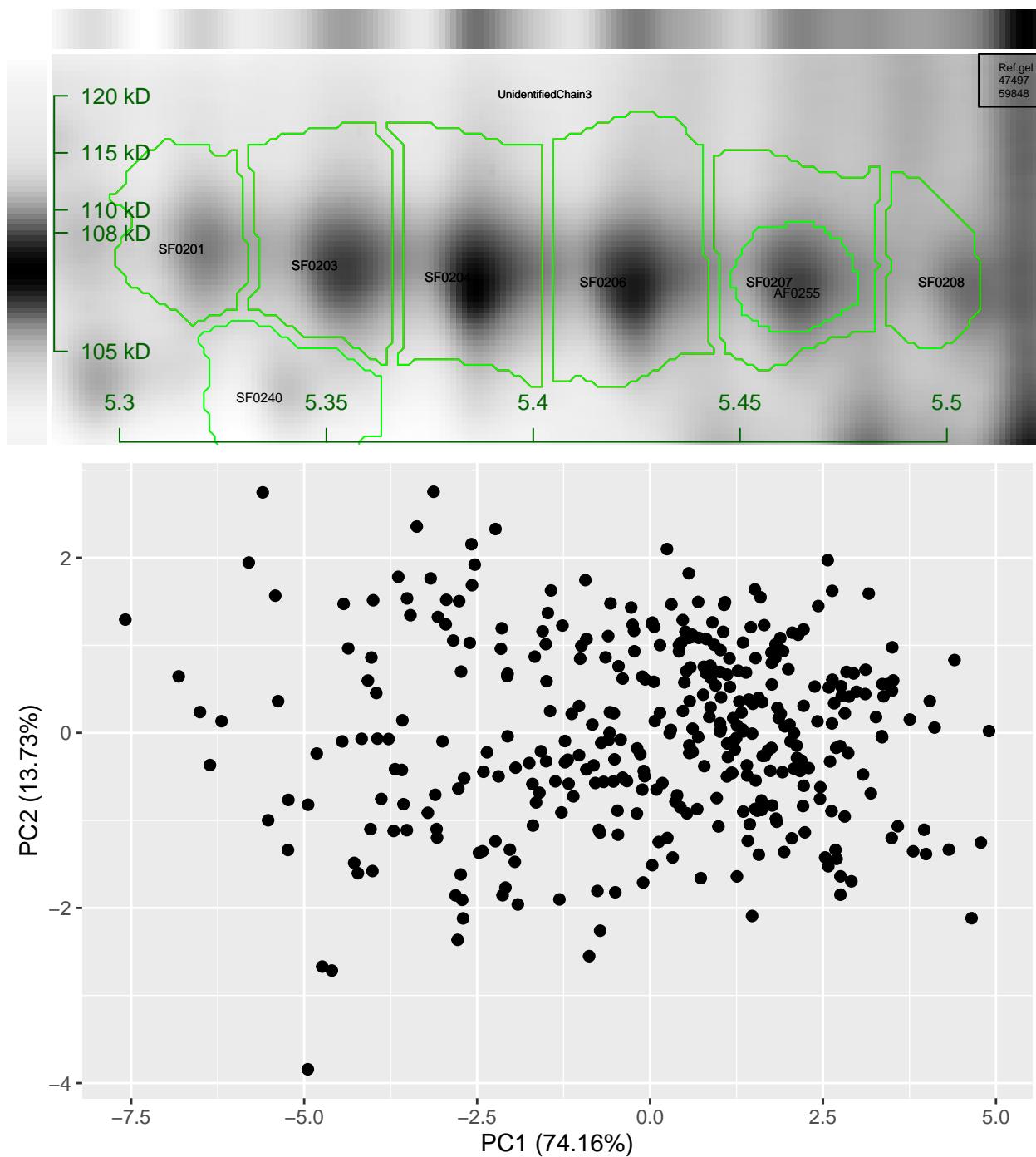




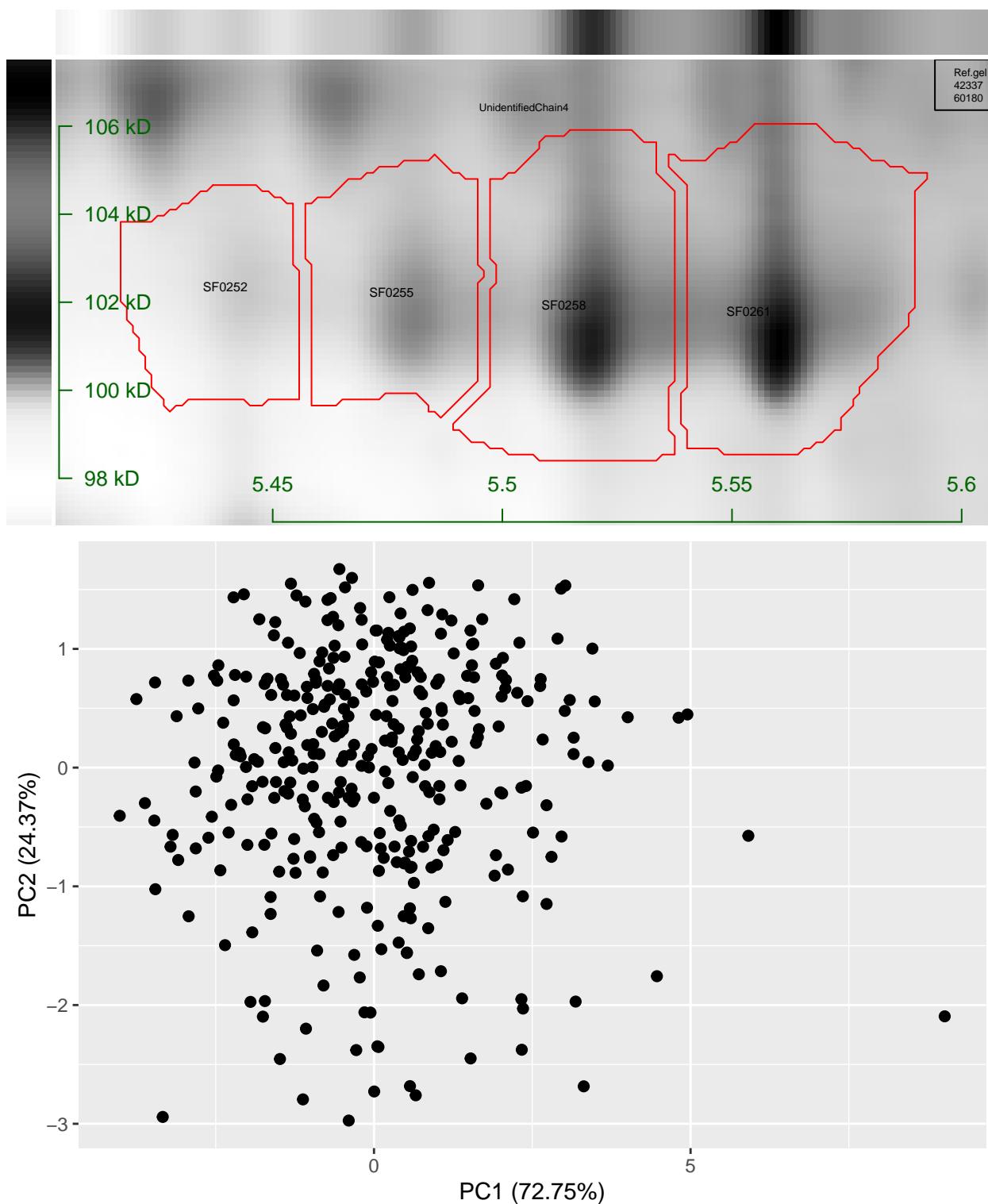
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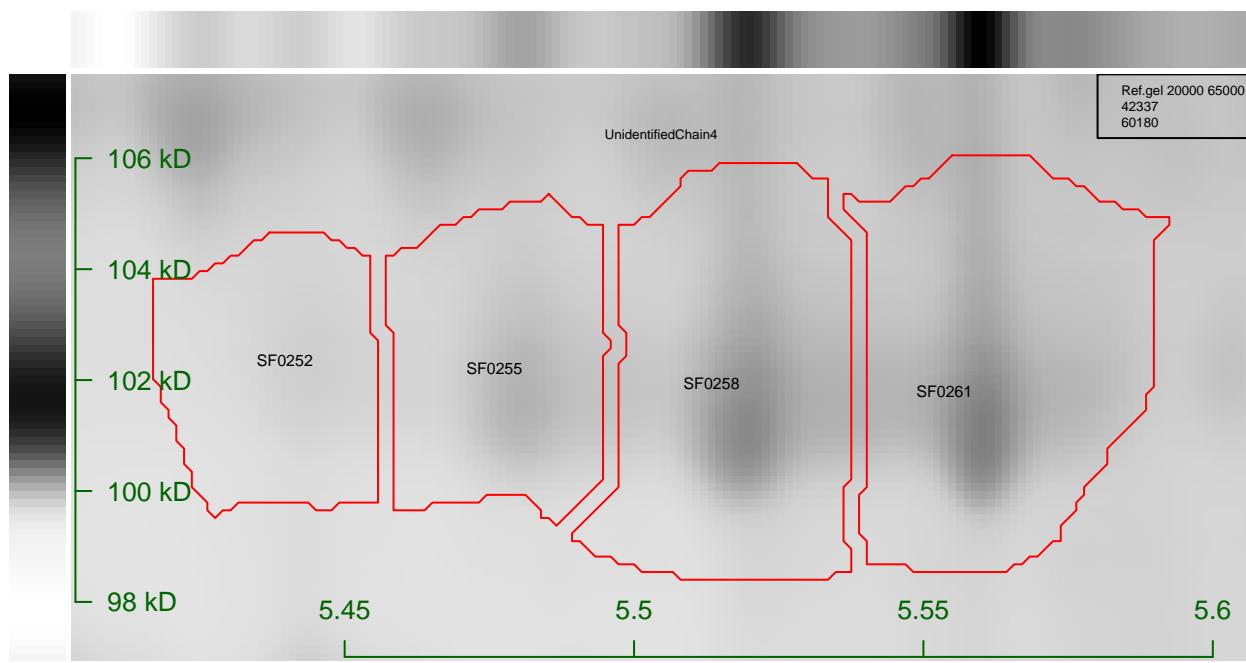
All available features in area



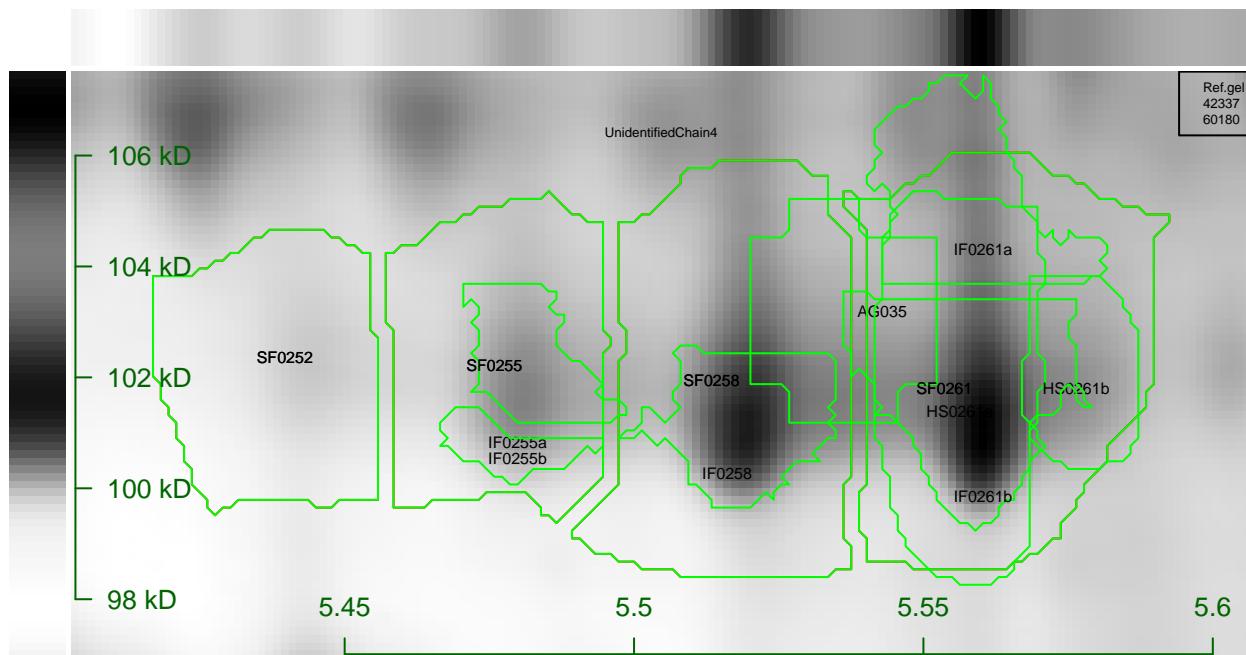
49 UnidentifiedChain4

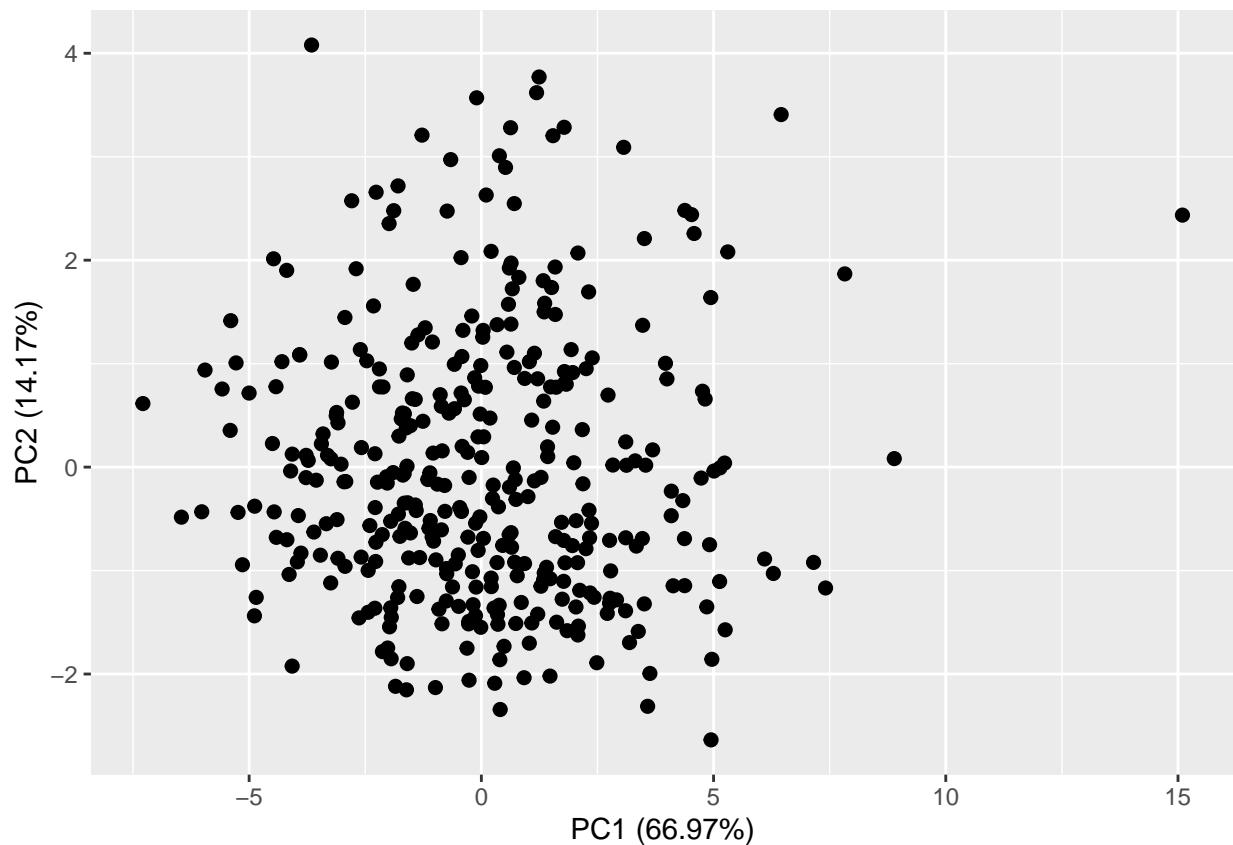


Hard coded limits May not work well on this image

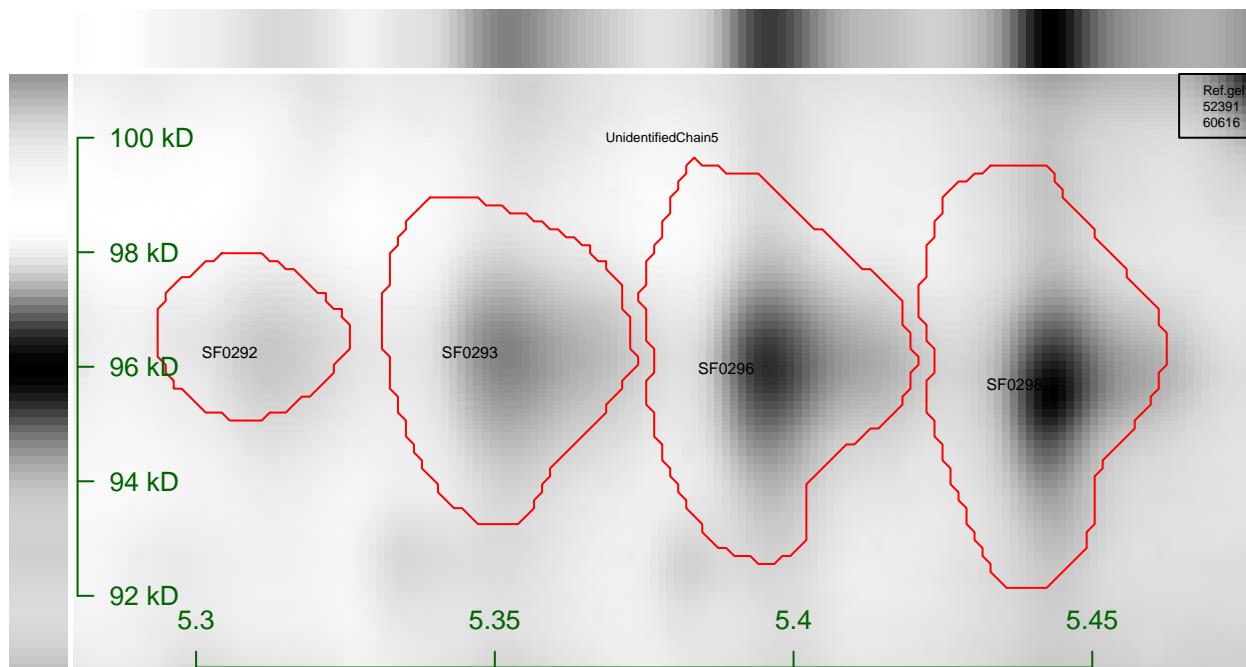


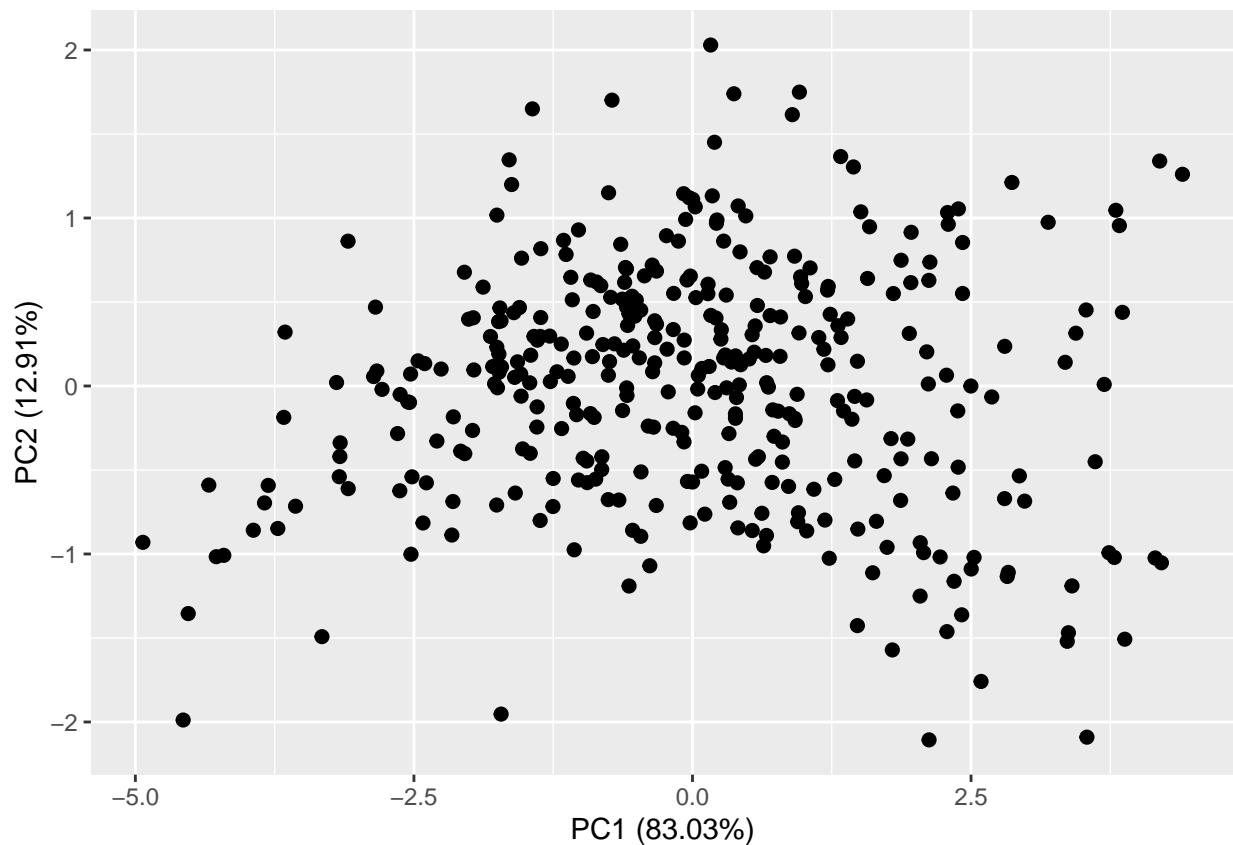
All available features in area



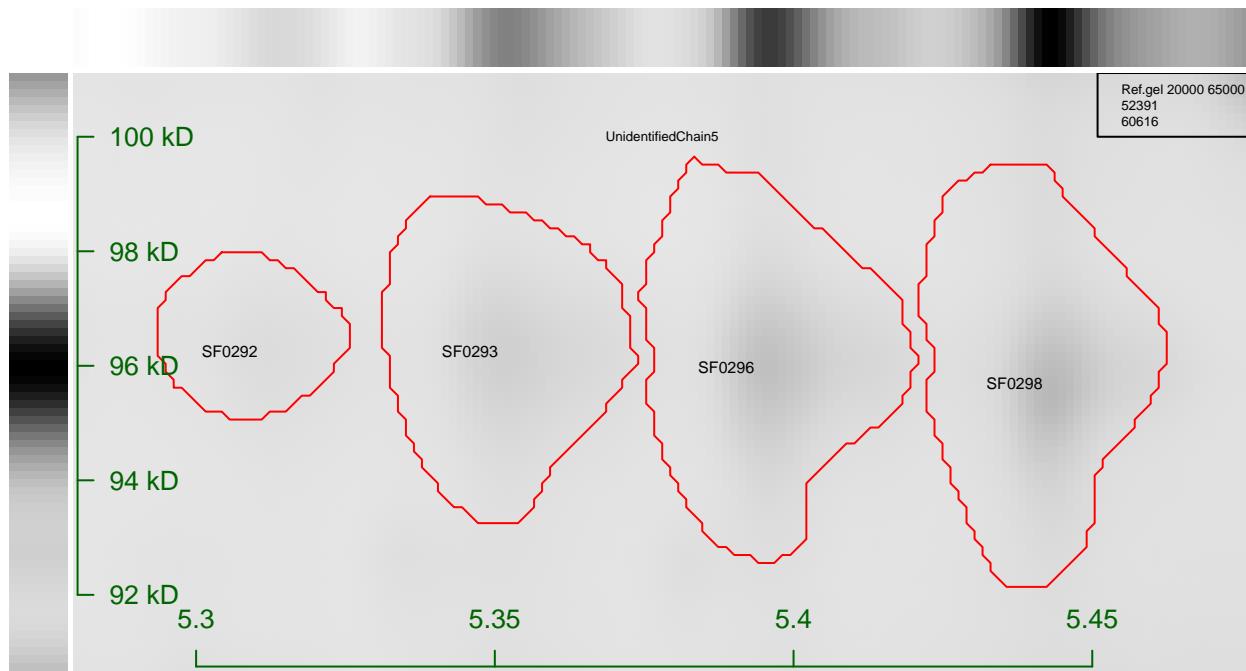


50 UnidentifiedChain5

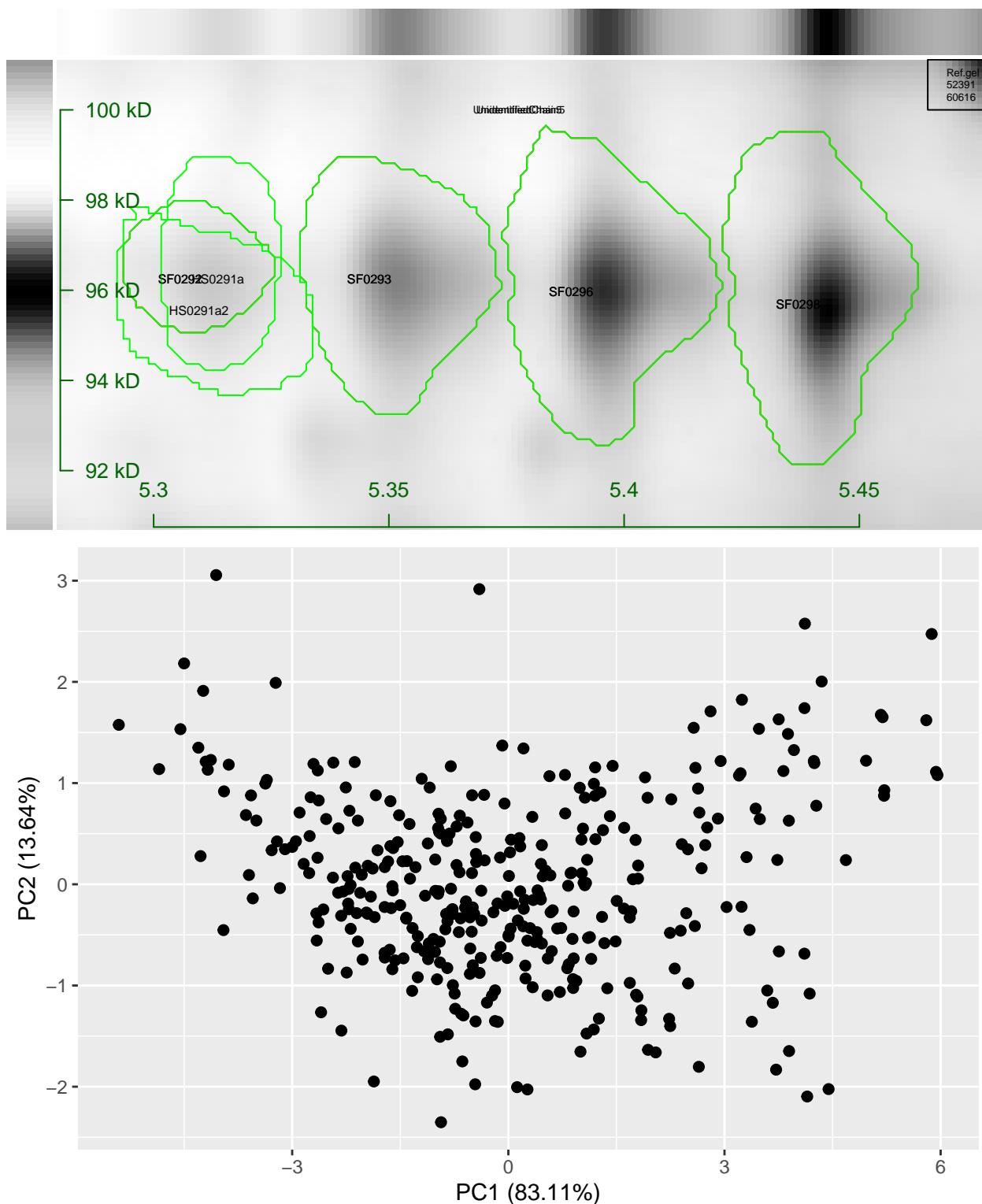




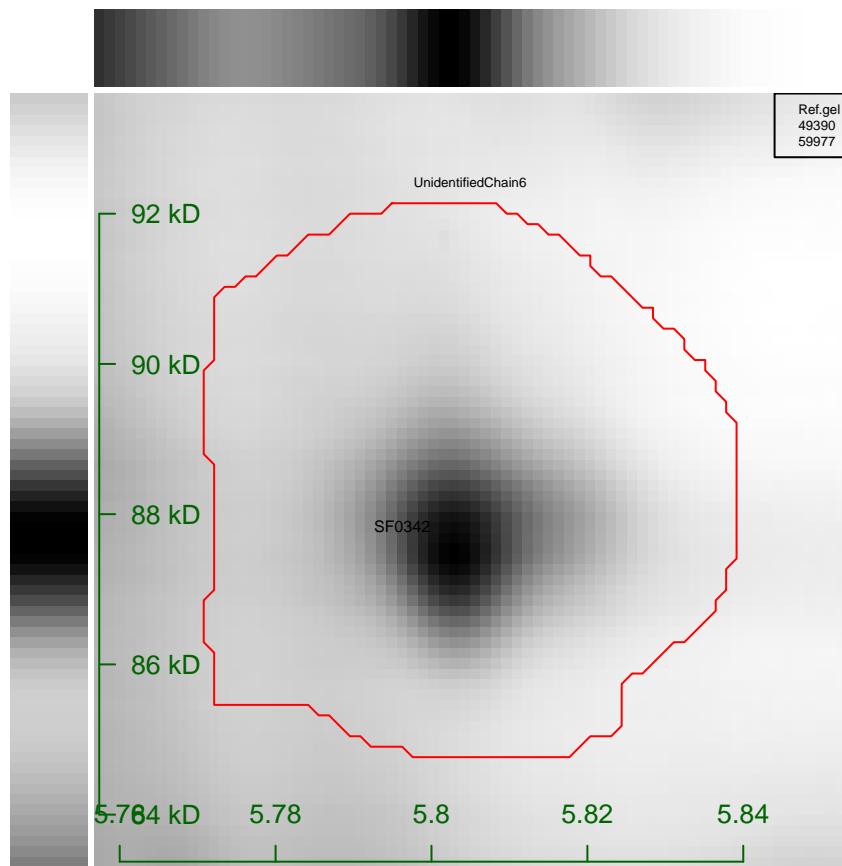
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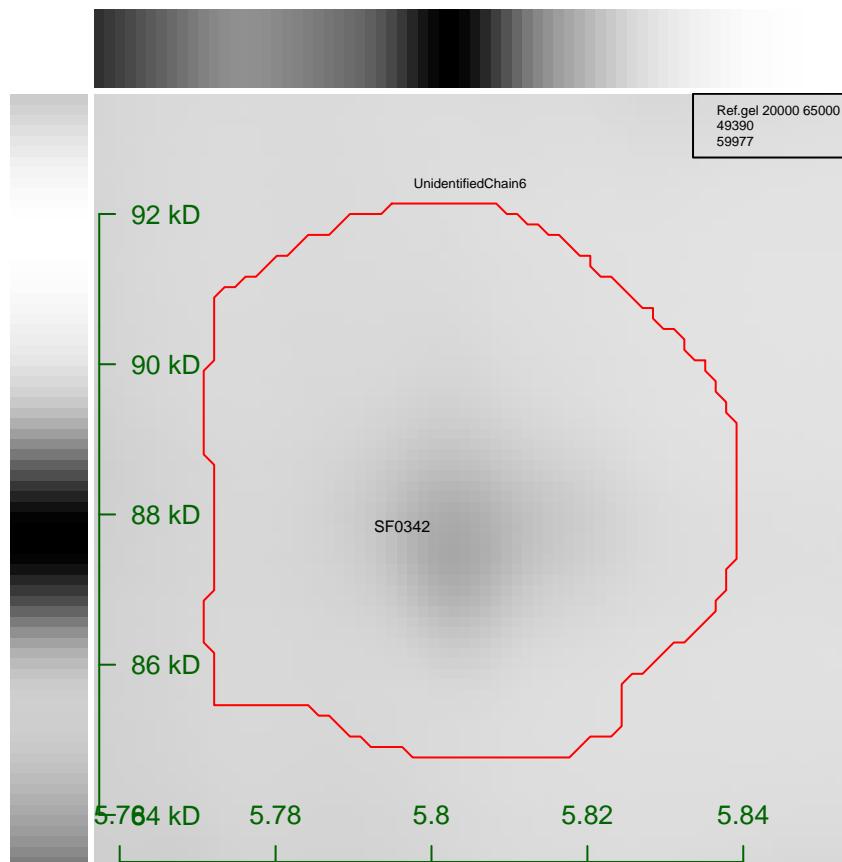
All available features in area



51 UnidentifiedChain6

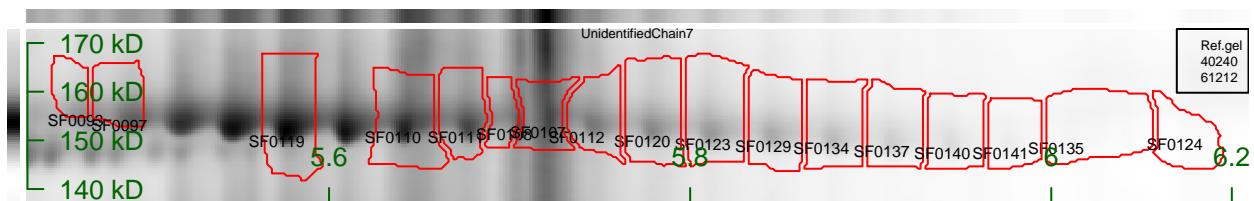


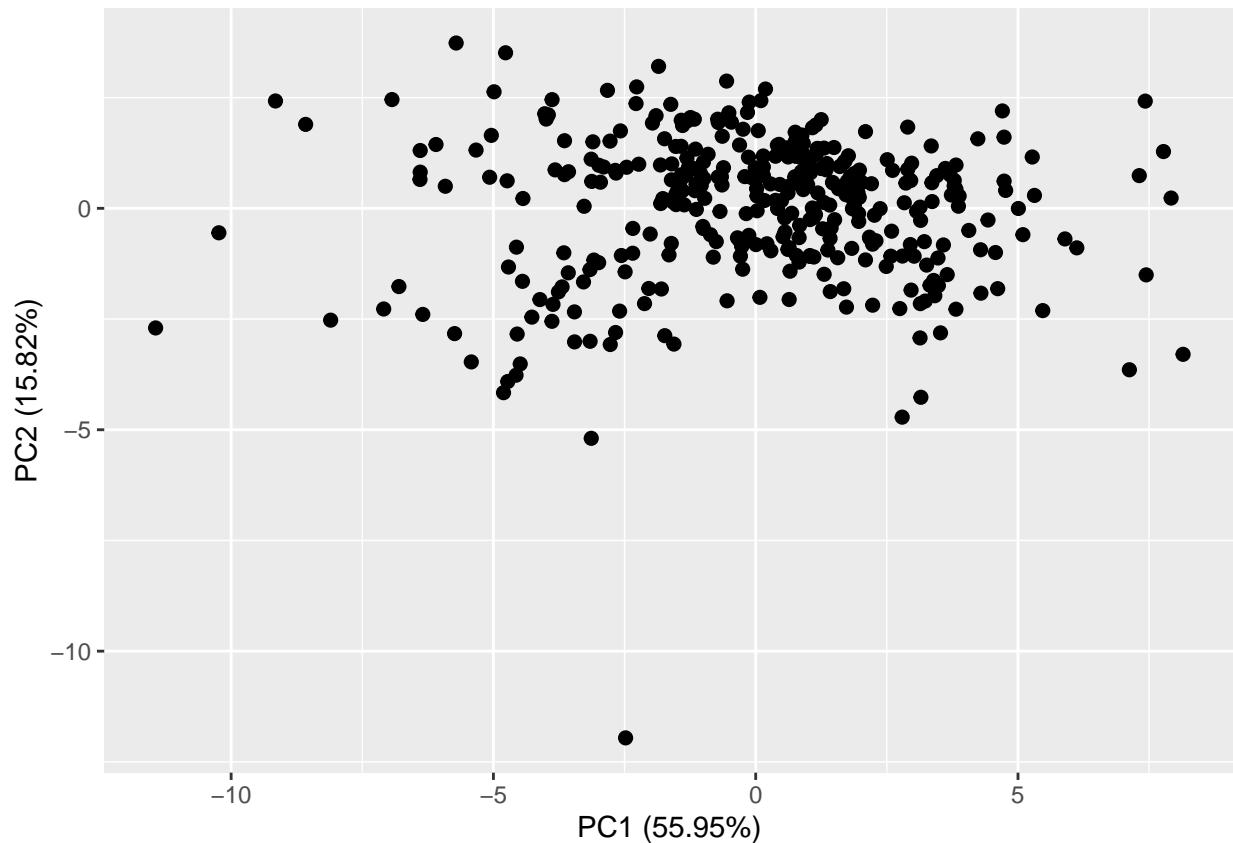
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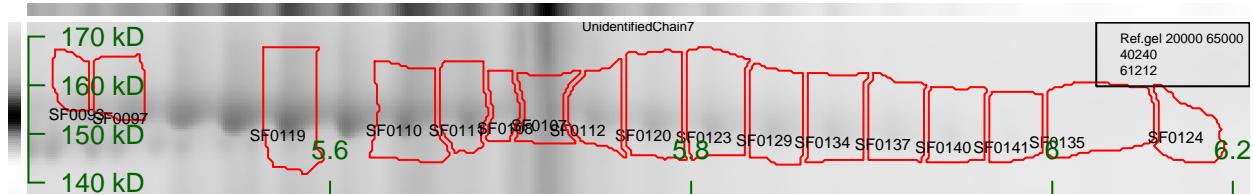
No additional features found in region

52 UnidentifiedChain7

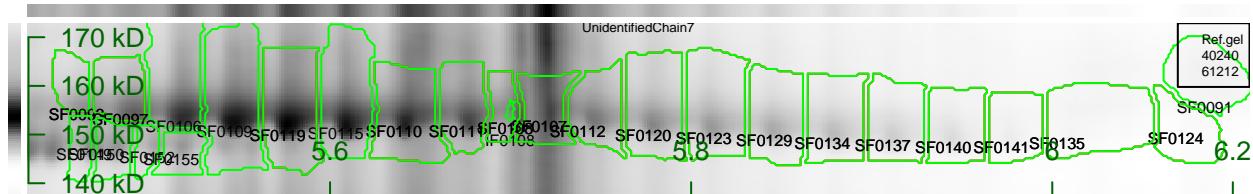


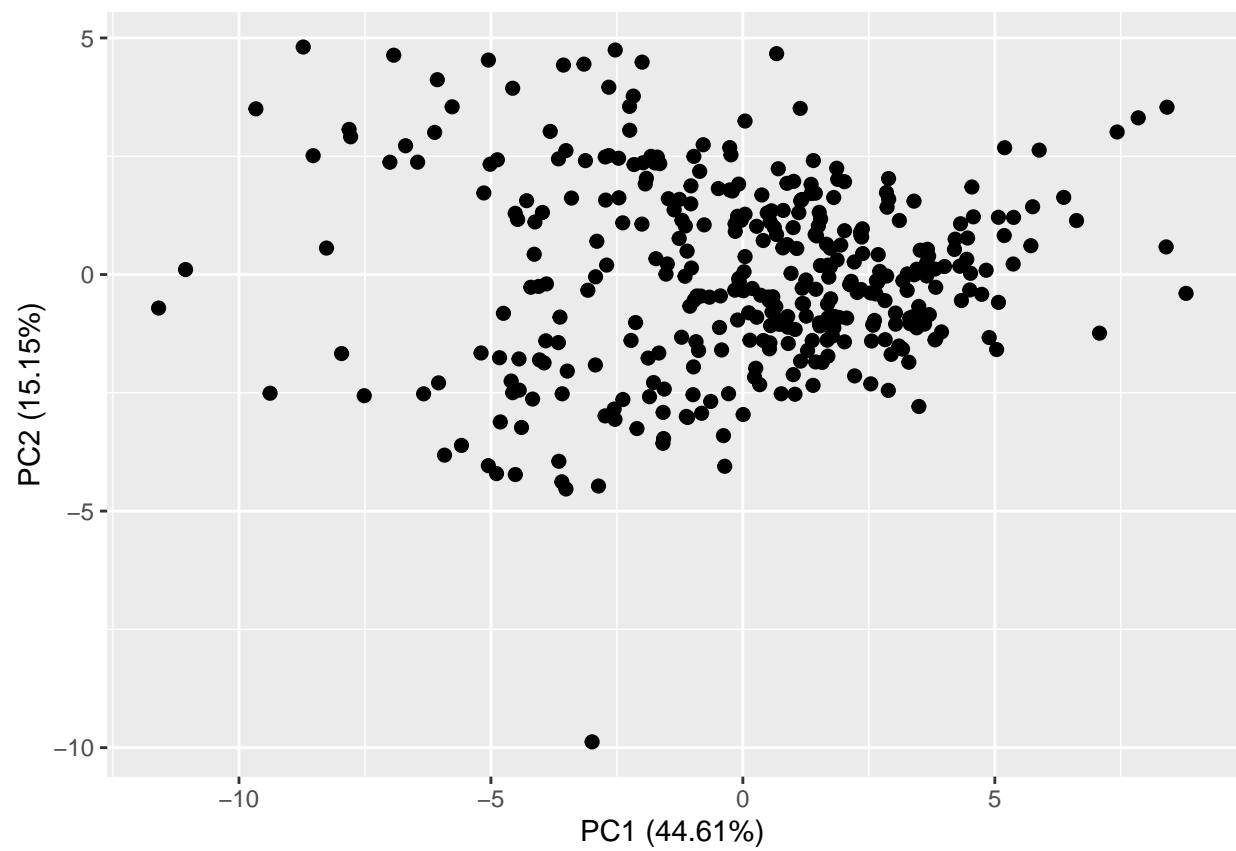


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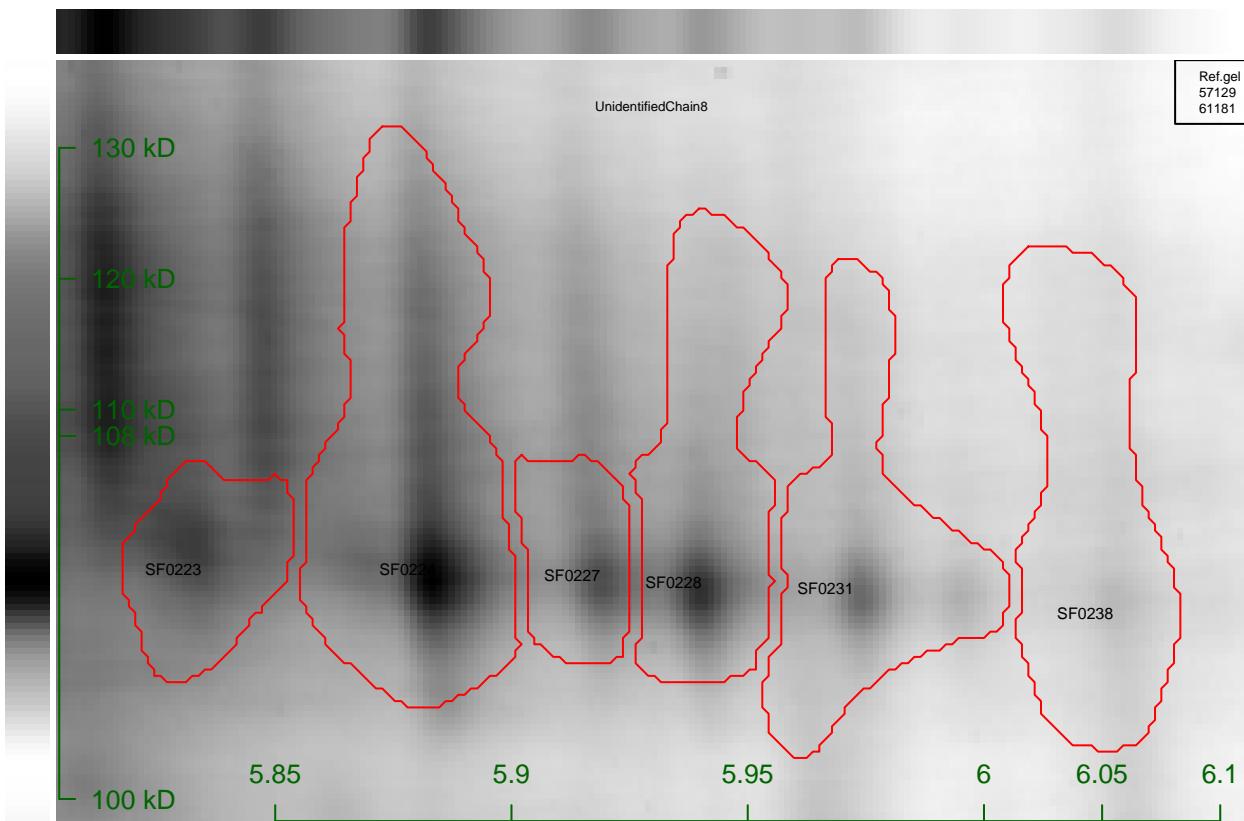


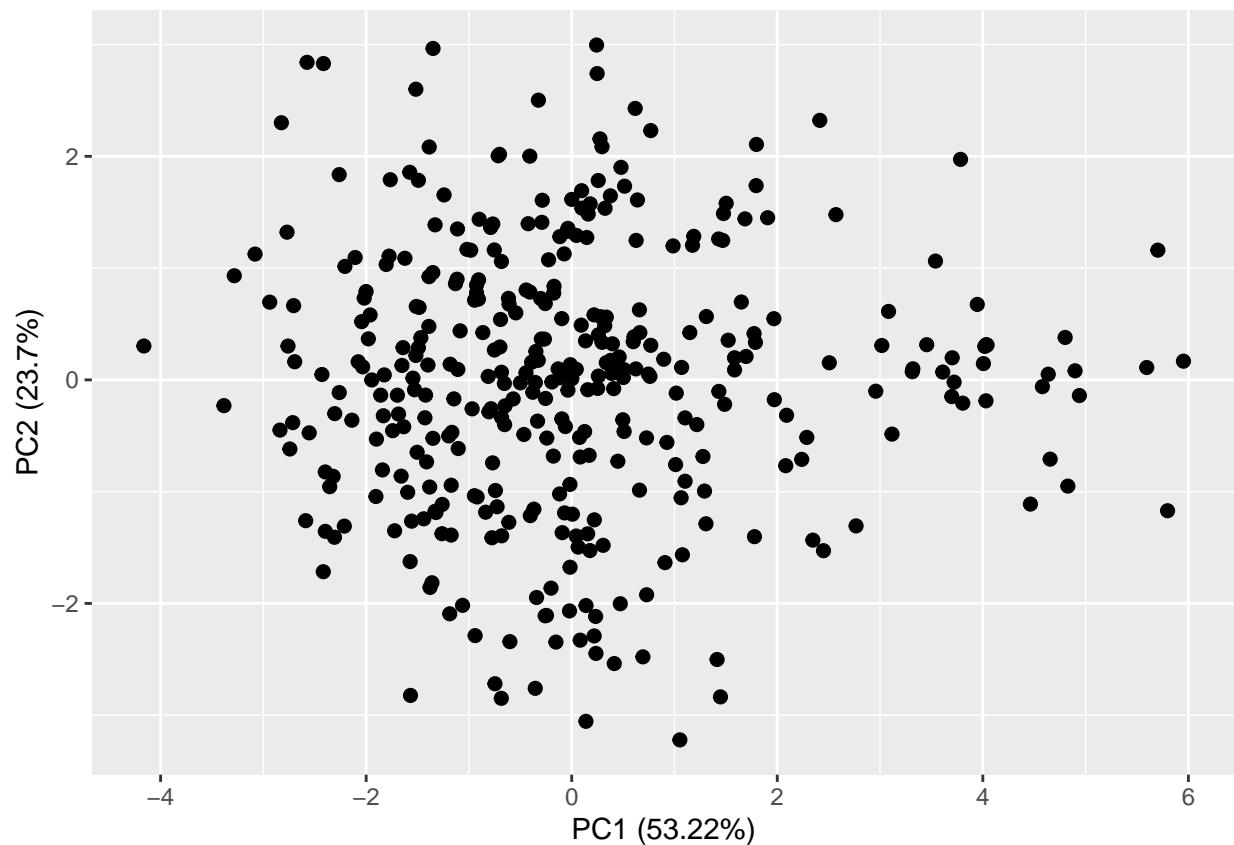
All available features in area



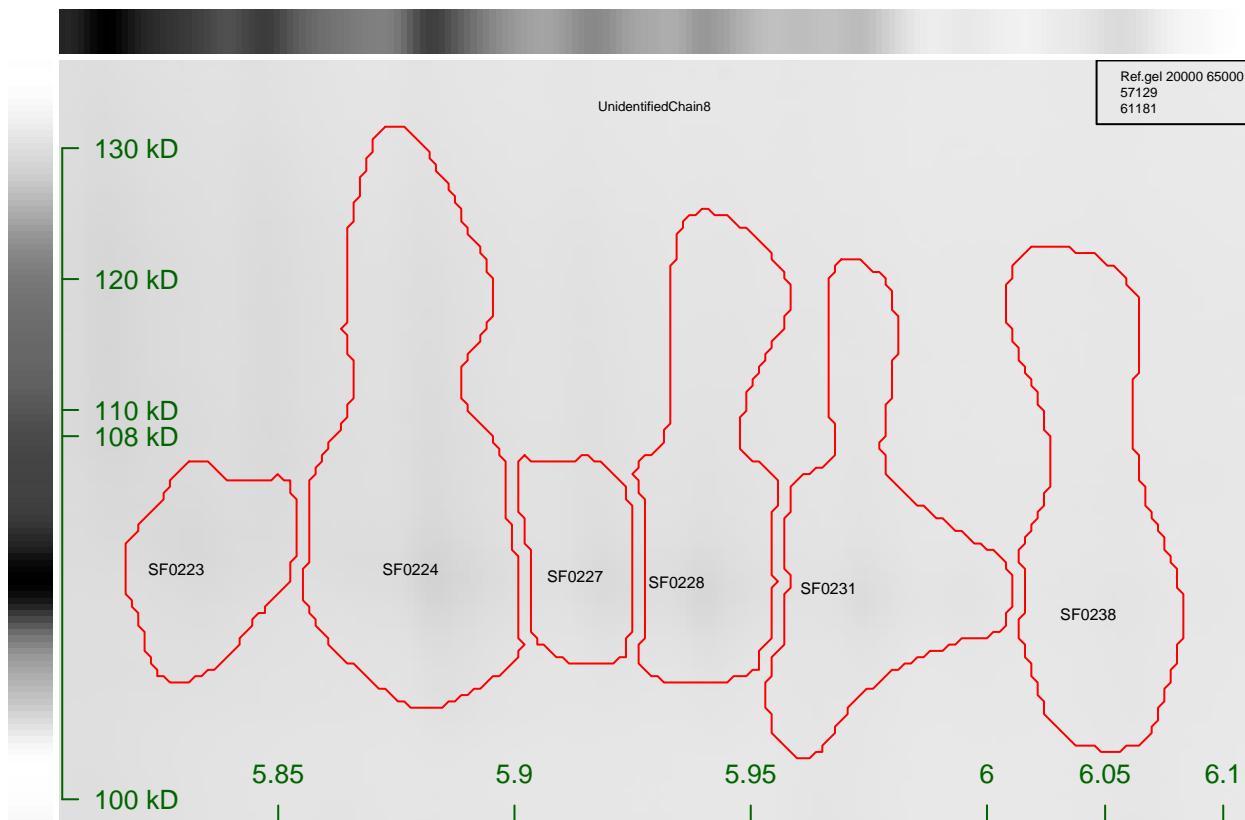


53 UnidentifiedChain8

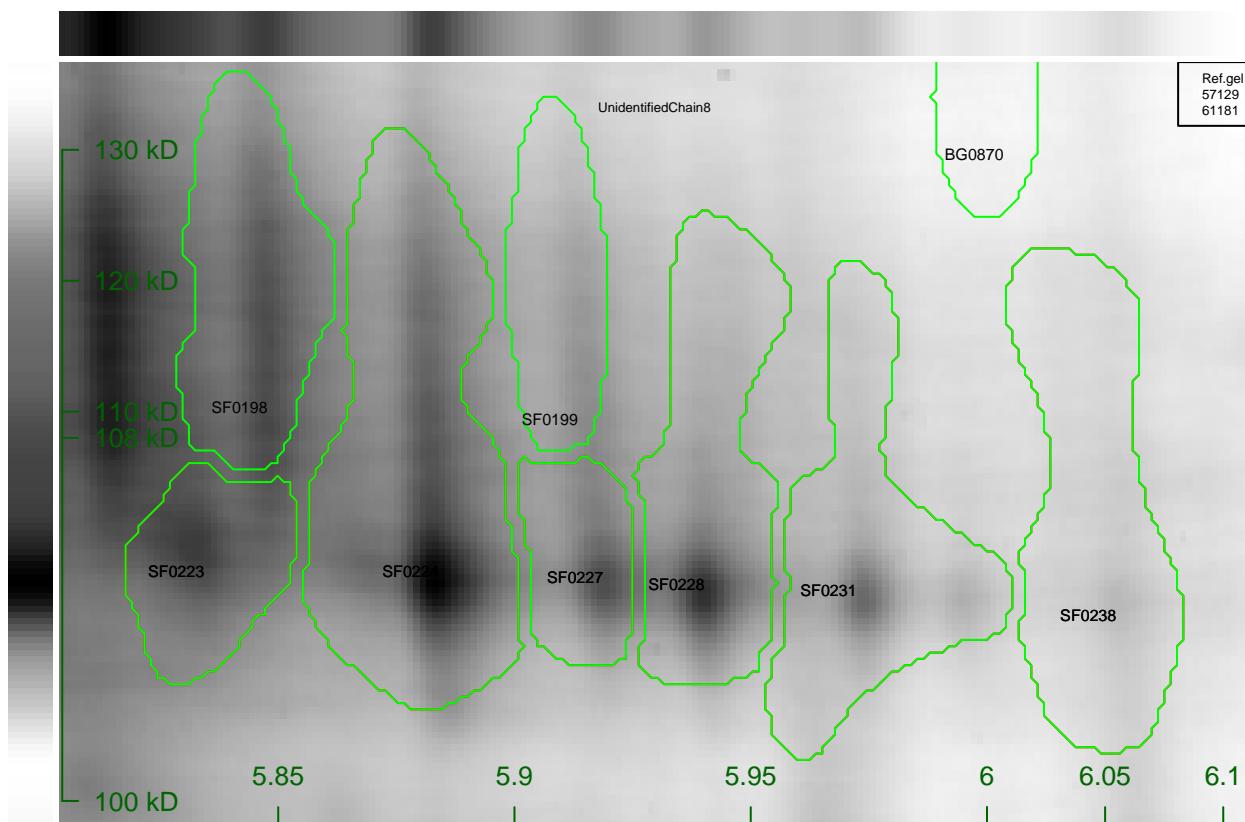


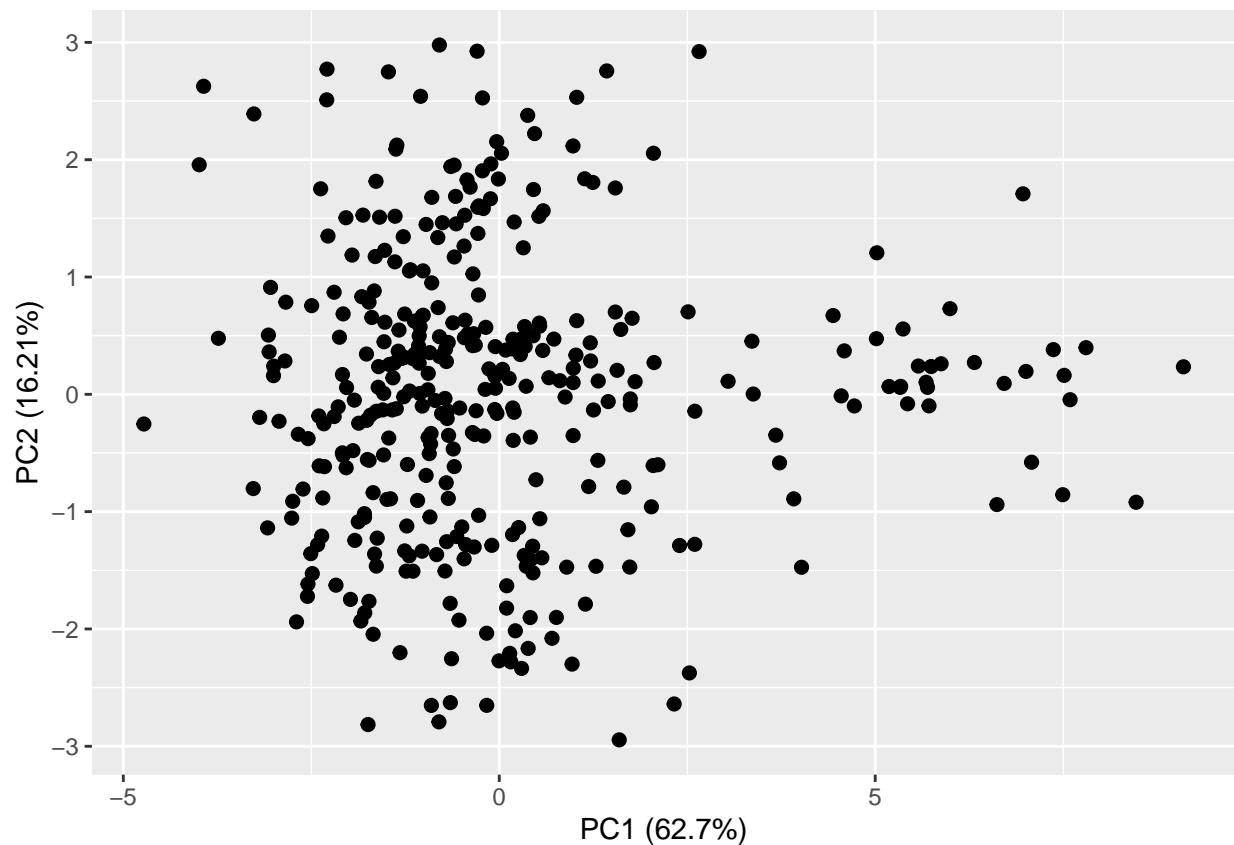


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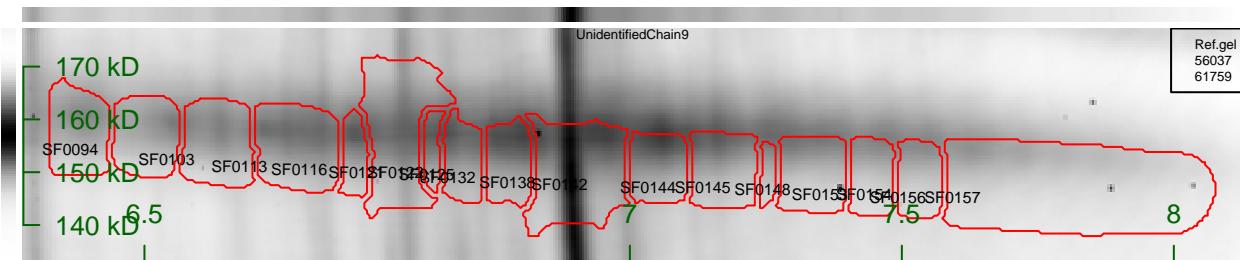


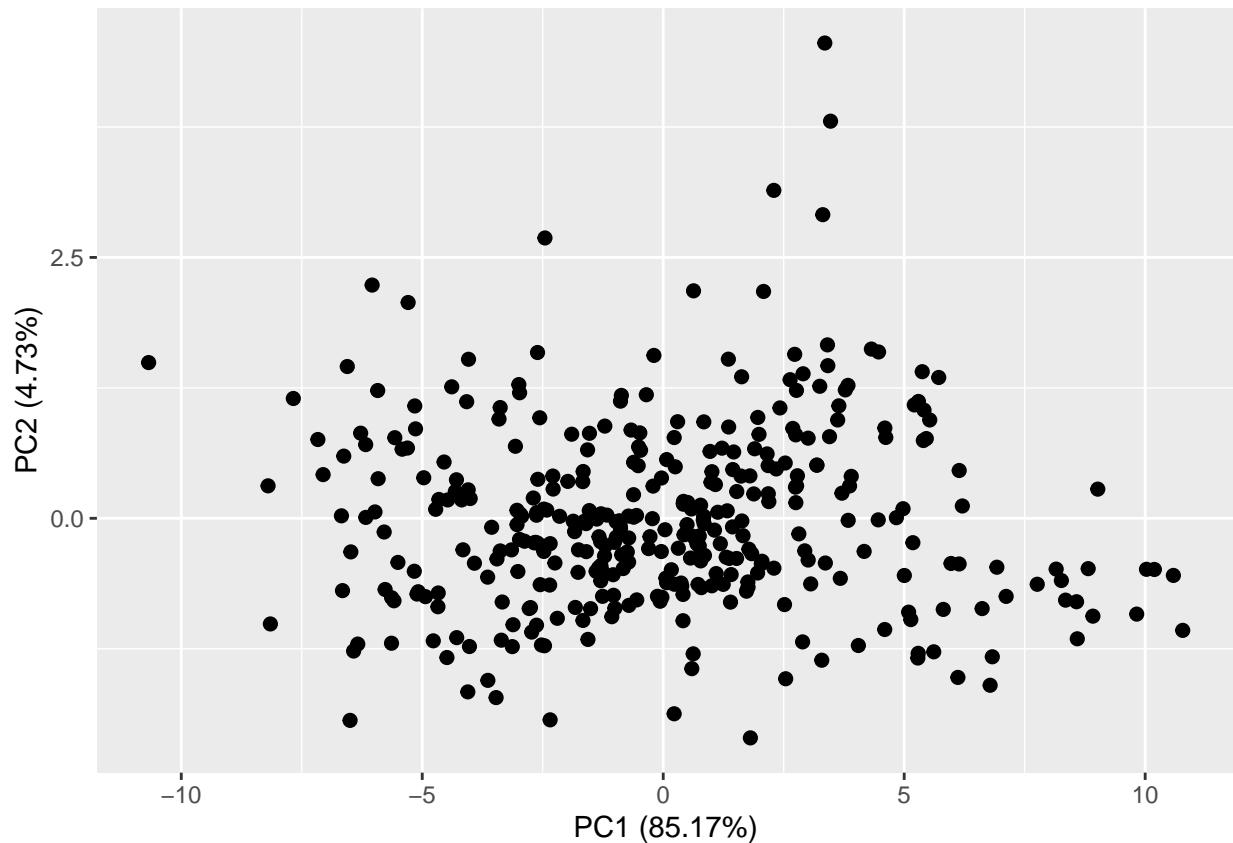
All available features in area



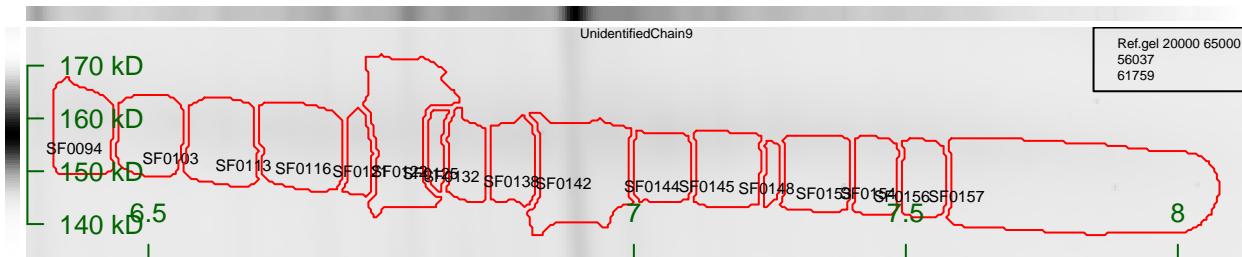


54 UnidentifiedChain9

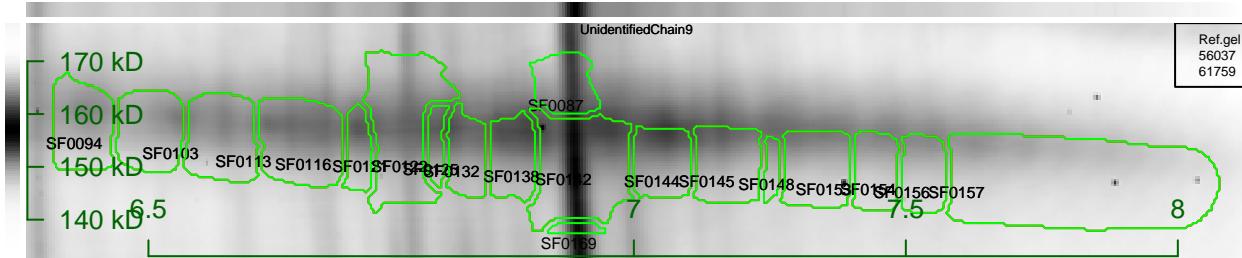


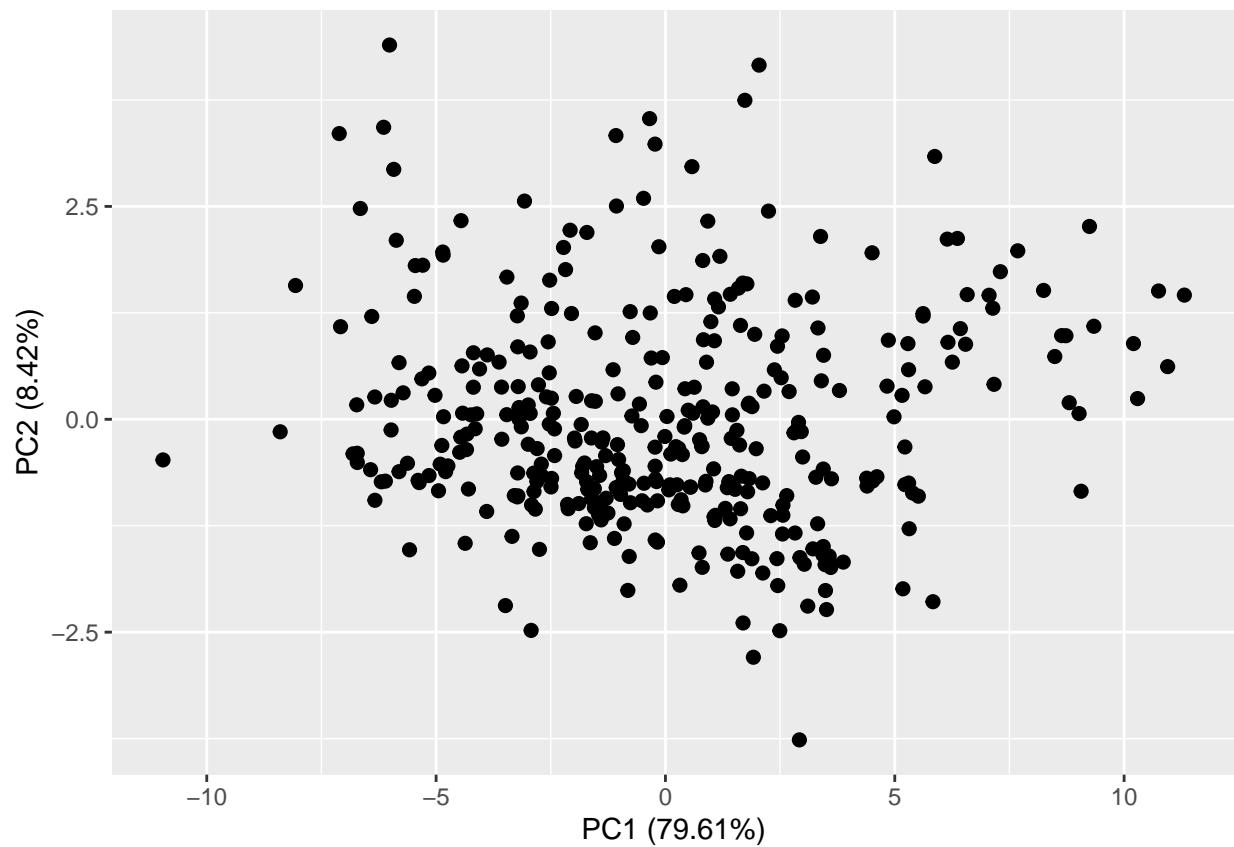


Hard coded limits May not work well on this image

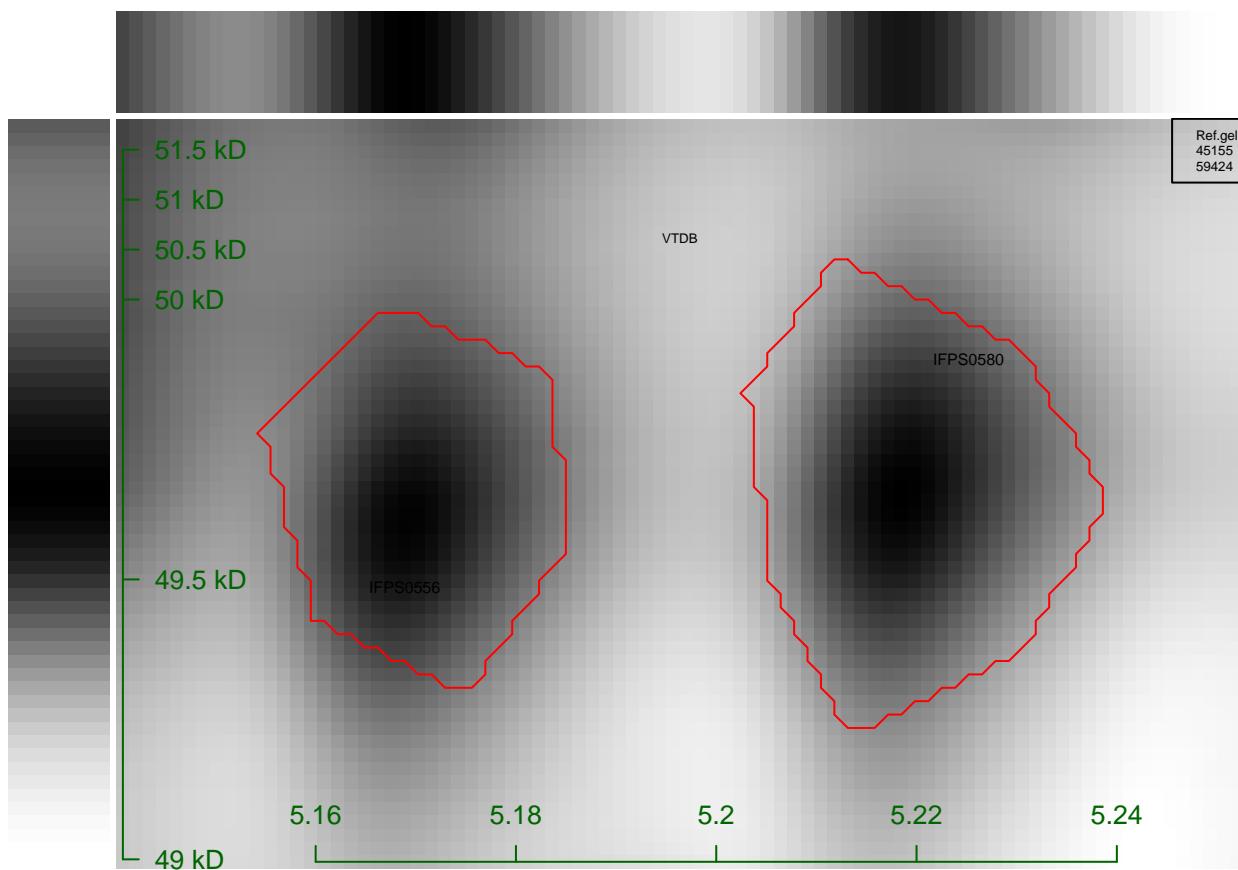


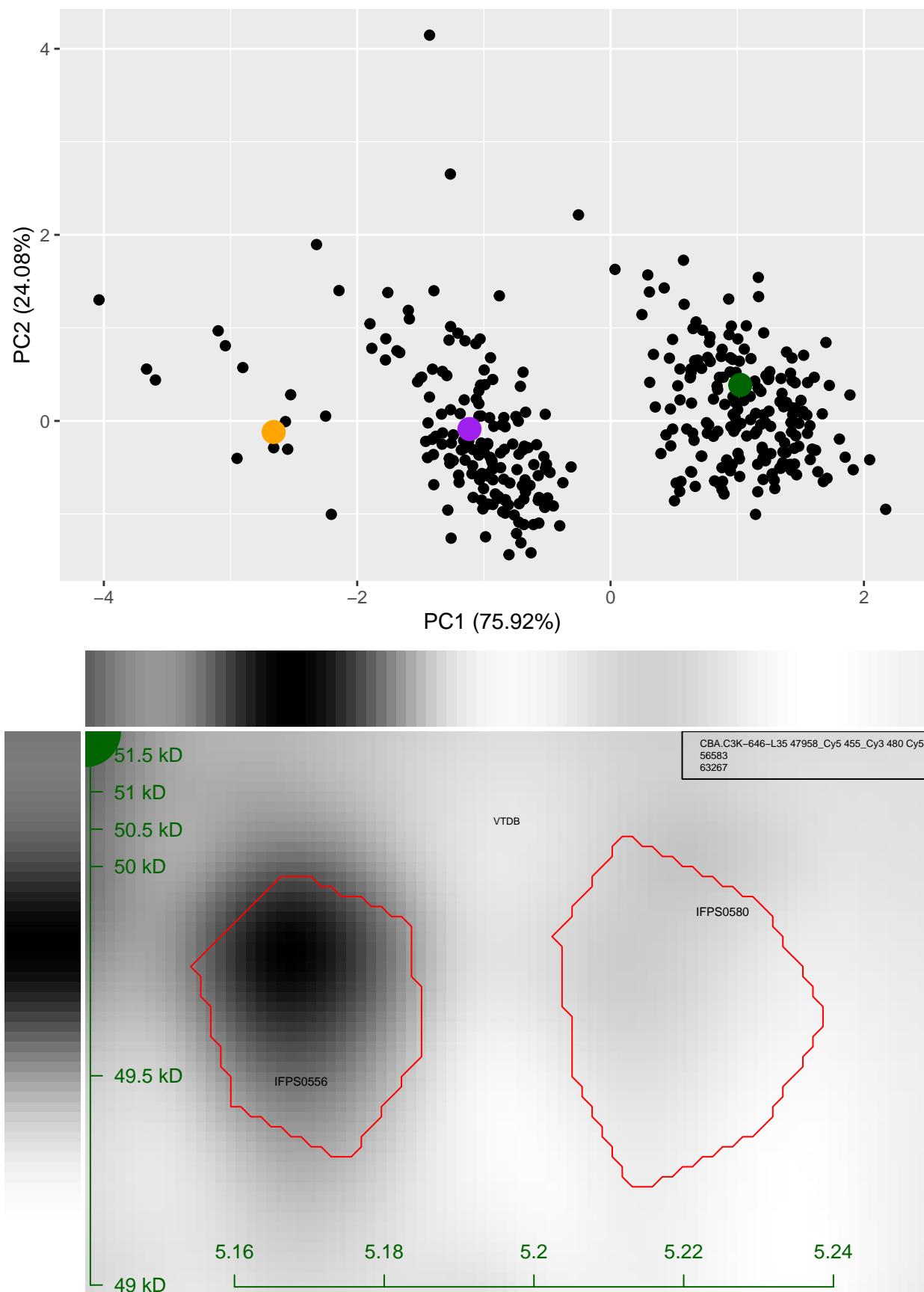
All available features in area

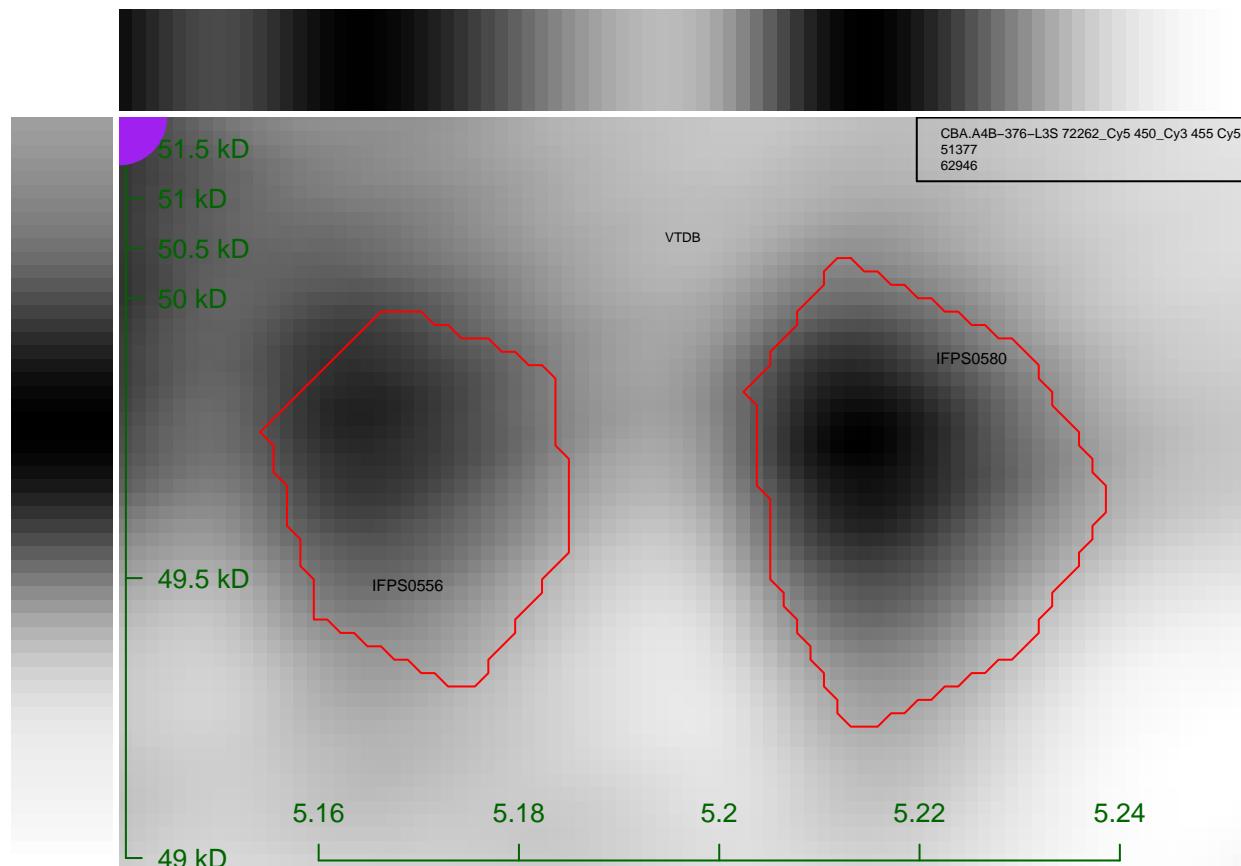


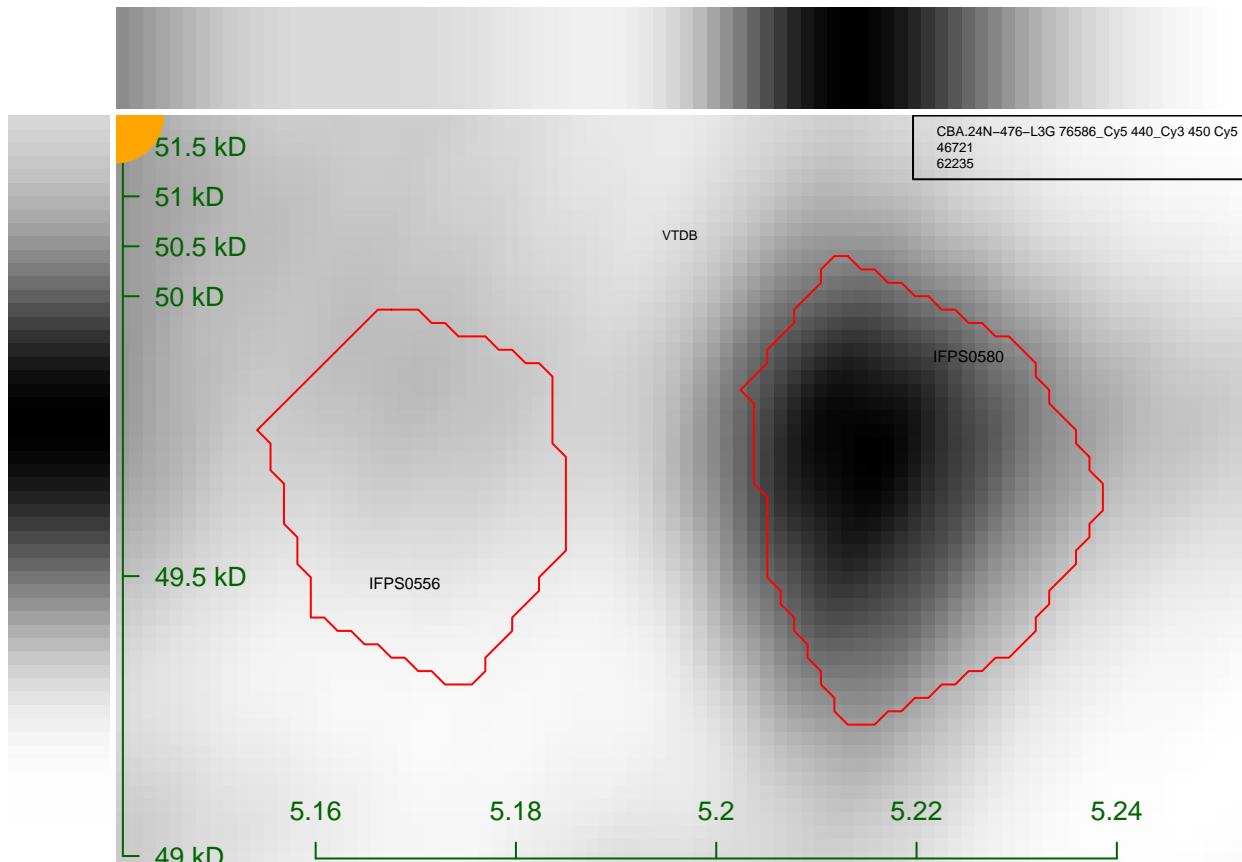


55 VTDB (Cluster)

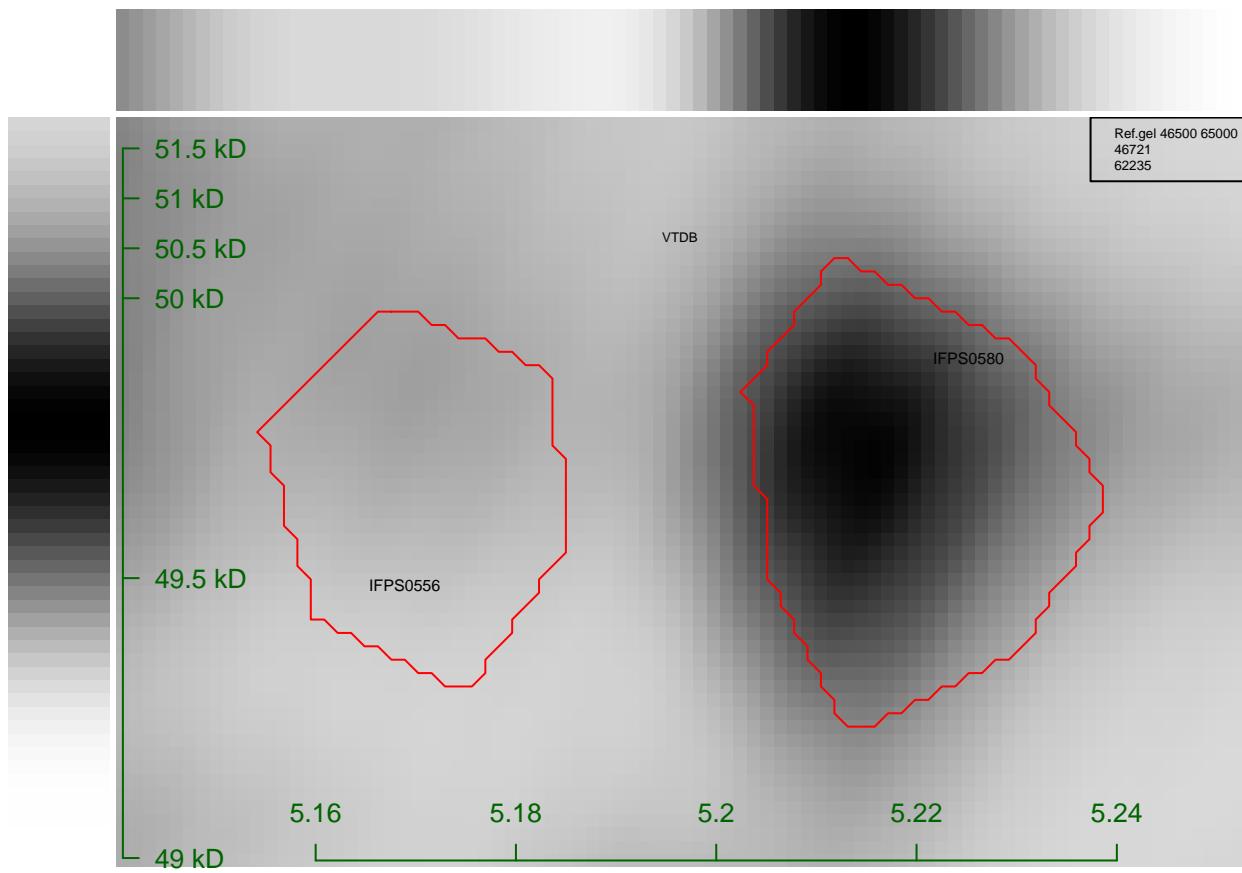




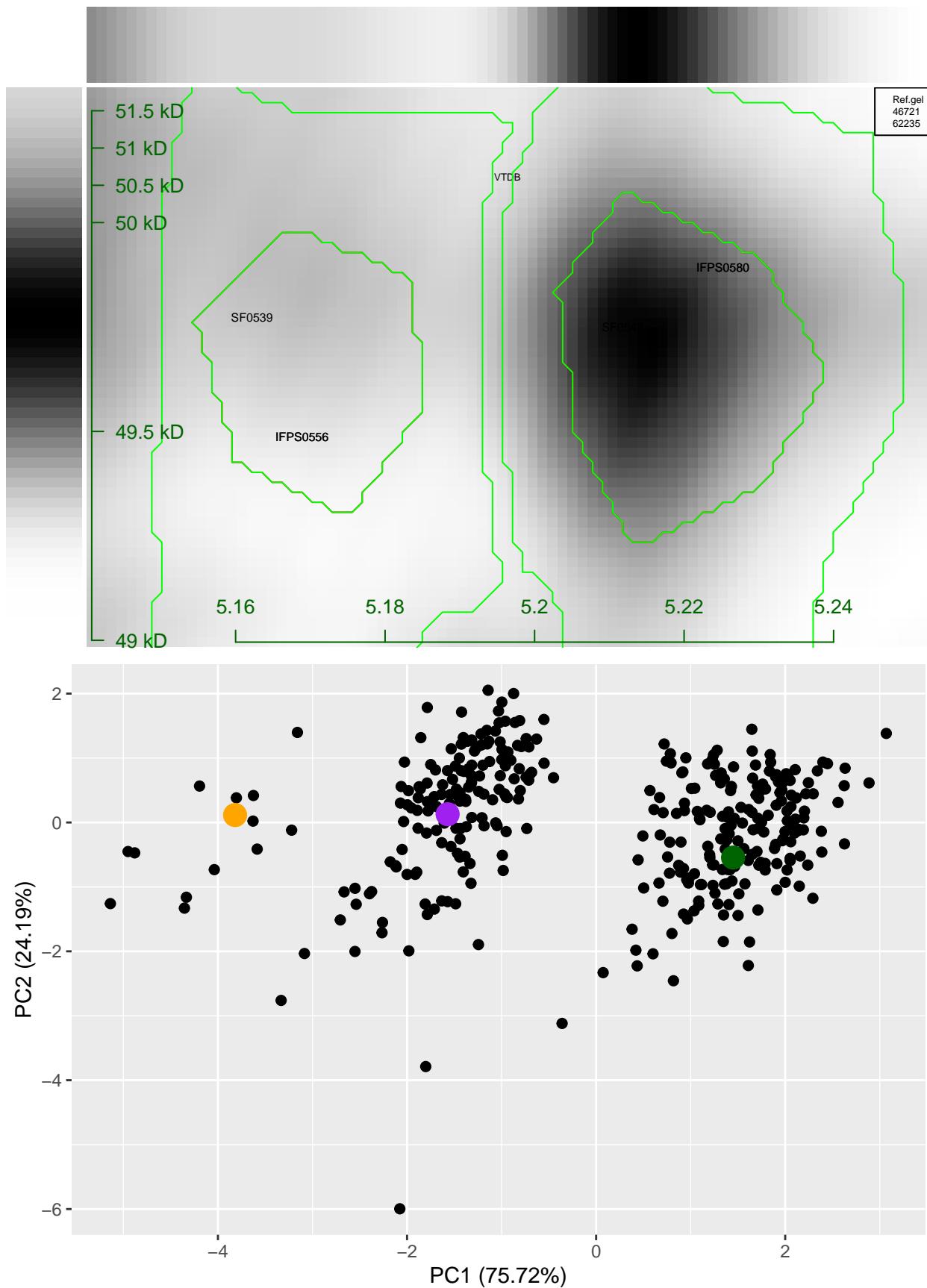




Hard coded limits May not work well on this image



All available features in area



56 Logfile

```

print(gelCache)

## Cache created: Oct 18 2020 18:31
## Gelcaching: Oct 18 2020 18:31 C:/Users/David/Documents/R/win-library/4.0/BiosignaturesRMarkdown_Ref
## Gelcaching: Oct 18 2020 18:31 Data/alignedImages/FixedRefStd_std2Cce_SCorS3/CBA.C3K-646-L35_47958_Cy5.gel_sc.gel_1
## Gelcaching: Oct 18 2020 18:31 Data/alignedImages/FixedRefStd_std2Cce_SCorS3/CBA.C3K-646-L35_52901_Cy5.gel_sc.gel_1
## Gelcaching: Oct 18 2020 18:31 Data/alignedImages/FixedRefStd_std2Cce_SCorS3/CBA.A4B-376-L3S_72262_Cy5.gel_sc.gel_1
## Gelcaching: Oct 18 2020 18:31 Data/alignedImages/FixedRefStd_std2Cce_SCorS3/CBA.A4B-376-L3S_72273_Cy5.gel_sc.gel_1
## Gelcaching: Oct 18 2020 18:31 Data/alignedImages/FixedRefStd_std2Cce_SCorS3/CBA.N4B-626-L36_47451_Cy5.gel_sc.gel_1
## Gelcaching: Oct 18 2020 18:31 Data/alignedImages/FixedRefStd_std2Cce_SCorS3/CBA.N4B-626-L36_47771_Cy5.gel_sc.gel_1
## Gelcaching: Oct 18 2020 18:31 Data/alignedImages/FixedRefStd_std2Cce_SCorS3/CBA.N4B-626-L36_78535_Cy5.gel_sc.gel_1
## Gelcaching: Oct 18 2020 18:31 Data/alignedImages/FixedRefStd_std2Cce_SCorS3/CBA.H3C-776-L3V_47457_Cy5.gel_sc.gel_1
## Gelcaching: Oct 18 2020 18:31 Data/alignedImages/FixedRefStd_std2Cce_SCorS3/CBA.H3C-776-L3V_47777_Cy5.gel_sc.gel_1
## Gelcaching: Oct 18 2020 18:31 Data/alignedImages/FixedRefStd_std2Cce_SCorS3/CBA.H3C-776-L3V_52576_Cy5.gel_sc.gel_1
## Gelcaching: Oct 18 2020 18:31 Data/alignedImages/FixedRefStd_std2Cce_SCorS3/CBA.H3C-776-L3V_69729_Cy5.gel_sc.gel_1
## Gelcaching: Oct 18 2020 18:31 Data/alignedImages/FixedRefStd_std2Cce_SCorS3/CBA.H3C-776-L3V_78541_Cy5.gel_sc.gel_1
## Gelcaching: Oct 18 2020 18:31 Data/alignedImages/FixedRefStd_std2Cce_SCorS3/CBA.V4E-566-L3F_47640_Cy5.gel_sc.gel_1
## Gelcaching: Oct 18 2020 18:31 Data/alignedImages/FixedRefStd_std2Cce_SCorS3/CBA.V4E-566-L3F_47806_Cy5.gel_sc.gel_1
## Gelcaching: Oct 18 2020 18:31 Data/alignedImages/FixedRefStd_std2Cce_SCorS3/CBA.V4E-566-L3F_72058_Cy5.gel_sc.gel_1
## Gelcaching: Oct 18 2020 18:31 Data/alignedImages/FixedRefStd_std2Cce_SCorS3/CBA.V4E-566-L3F_72321_Cy5.gel_sc.gel_1
## Gelcaching: Oct 18 2020 18:31 Data/alignedImages/FixedRefStd_std2Cce_SCorS3/CBA.24N-476-L3G_50008_Cy5.gel_sc.gel_1
## Gelcaching: Oct 18 2020 18:31 Data/alignedImages/FixedRefStd_std2Cce_SCorS3/CBA.24N-476-L3G_72282_Cy5.gel_sc.gel_1
## Gelcaching: Oct 18 2020 18:31 Data/alignedImages/FixedRefStd_std2Cce_SCorS3/CBA.24N-476-L3G_76586_Cy5.gel_sc.gel_1
##
##                                     C:/Users/David/Documents/R/win-library/4.0/BiosignaturesRMarkdown_Ref.gel_1
##
## Data/alignedImages/FixedRefStd_std2Cce_SCorS3/CBA.C3K-646-L35_47958_Cy5 455_Cy3 480 Cy5.gel_sc.gel_1
##
## Data/alignedImages/FixedRefStd_std2Cce_SCorS3/CBA.C3K-646-L35_52901_Cy5 445_Cy3 460 Cy5.gel_sc.gel_1
##
## Data/alignedImages/FixedRefStd_std2Cce_SCorS3/CBA.A4B-376-L3S_72262_Cy5 450_Cy3 455 Cy5.gel_sc.gel_1
##
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##
## Data/alignedImages/FixedRefStd_std2Cce_SCorS3/CBA.N4B-626-L36_47451_Cy5 435_Cy3 445 Cy5.gel_sc.gel_1
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## Data/alignedImages/FixedRefStd_std2Cce_SCorS3/CBA.N4B-626-L36_47771_Cy5 450_Cy3 460 Cy5.gel_sc.gel_1
##
## Data/alignedImages/FixedRefStd_std2Cce_SCorS3/CBA.N4B-626-L36_78535_Cy5 440_Cy3 450 Cy5.gel_sc.gel_1
##
## Data/alignedImages/FixedRefStd_std2Cce_SCorS3/CBA.H3C-776-L3V_47457_Cy5 450_Cy3 460 Cy5.gel_sc.gel_1
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## Data/alignedImages/FixedRefStd_std2Cce_SCorS3/CBA.H3C-776-L3V_47777_Cy5 455_Cy3 465 Cy5.gel_sc.gel_1
##
## Data/alignedImages/FixedRefStd_std2Cce_SCorS3/CBA.H3C-776-L3V_52576_Cy5 450_Cy3 470 Cy5.gel_sc.gel_1
##
## Data/alignedImages/FixedRefStd_std2Cce_SCorS3/CBA.H3C-776-L3V_69729_Cy5 440_Cy3 450 Cy5.gel_sc.gel_1
##
## Data/alignedImages/FixedRefStd_std2Cce_SCorS3/CBA.H3C-776-L3V_78541_Cy5 445_Cy3 450 Cy5.gel_sc.gel_1
##
## Data/alignedImages/FixedRefStd_std2Cce_SCorS3/CBA.V4E-566-L3F_47640_Cy5 440_Cy3 445 Cy5.gel_sc.gel_1
##

```

```
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##
## Data/alignedImages/FixedRefStd_std2Cce_SCorS3/CBA.V4E-566-L3F_72058_Cy5 435_Cy3 450 Cy5.gel_sc.gel_1
##
## Data/alignedImages/FixedRefStd_std2Cce_SCorS3/CBA.V4E-566-L3F_72321_Cy5 435_Cy3 445 Cy5.gel_sc.gel_1
##
## Data/alignedImages/FixedRefStd_std2Cce_SCorS3/CBA.24N-476-L3G_50008_Cy5 445_Cy3 460 Cy5.gel_sc.gel_1
##
## Data/alignedImages/FixedRefStd_std2Cce_SCorS3/CBA.24N-476-L3G_72282_Cy5 435_Cy3 455 Cy5.gel_sc.gel_1
##
## Data/alignedImages/FixedRefStd_std2Cce_SCorS3/CBA.24N-476-L3G_76586_Cy5 440_Cy3 450 Cy5.gel_sc.gel_1
##
```