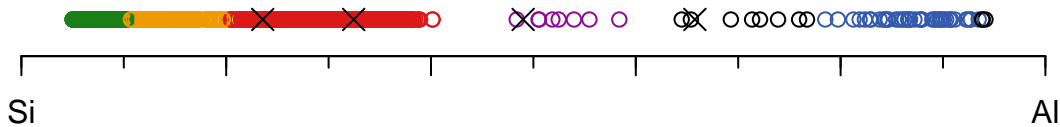


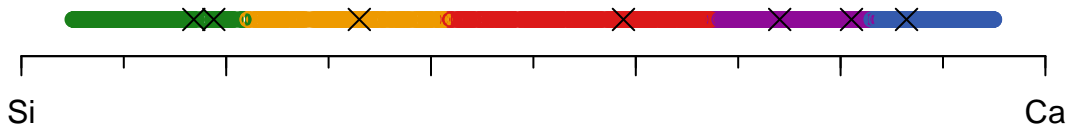
### Code for subclasses

- × reference concentration
- subclass 0 (unknown)
- subclass 1
- subclass 2
- subclass 3
- subclass 4
- subclass 5
- subclass 6
- subclass 7
- subclass 8
- subclass 9
- subclass 10
- subclass 11
- subclass 12
- subclass 13
- subclass 14

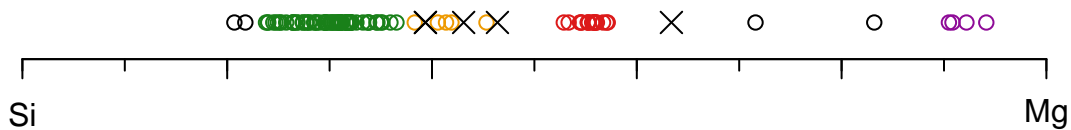
Si, Al



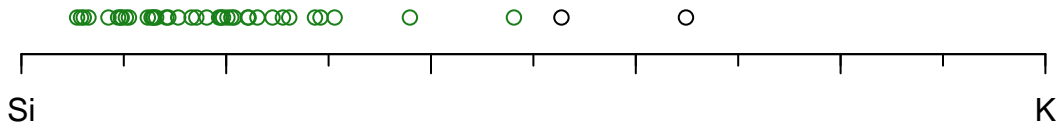
Si, Ca



Si, Mg



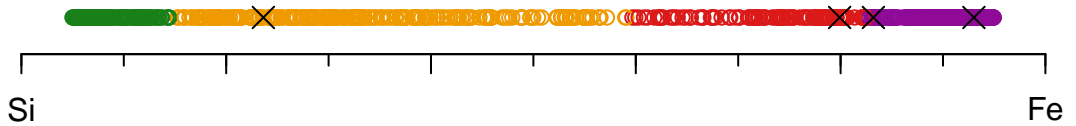
Si, K



Si, Ti



**Si, Fe**

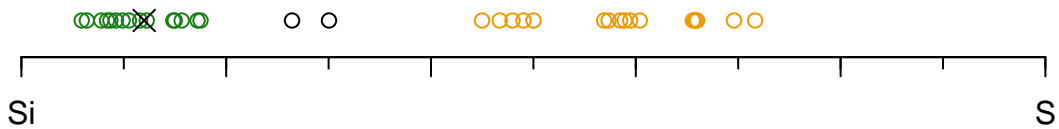


Si, Cl





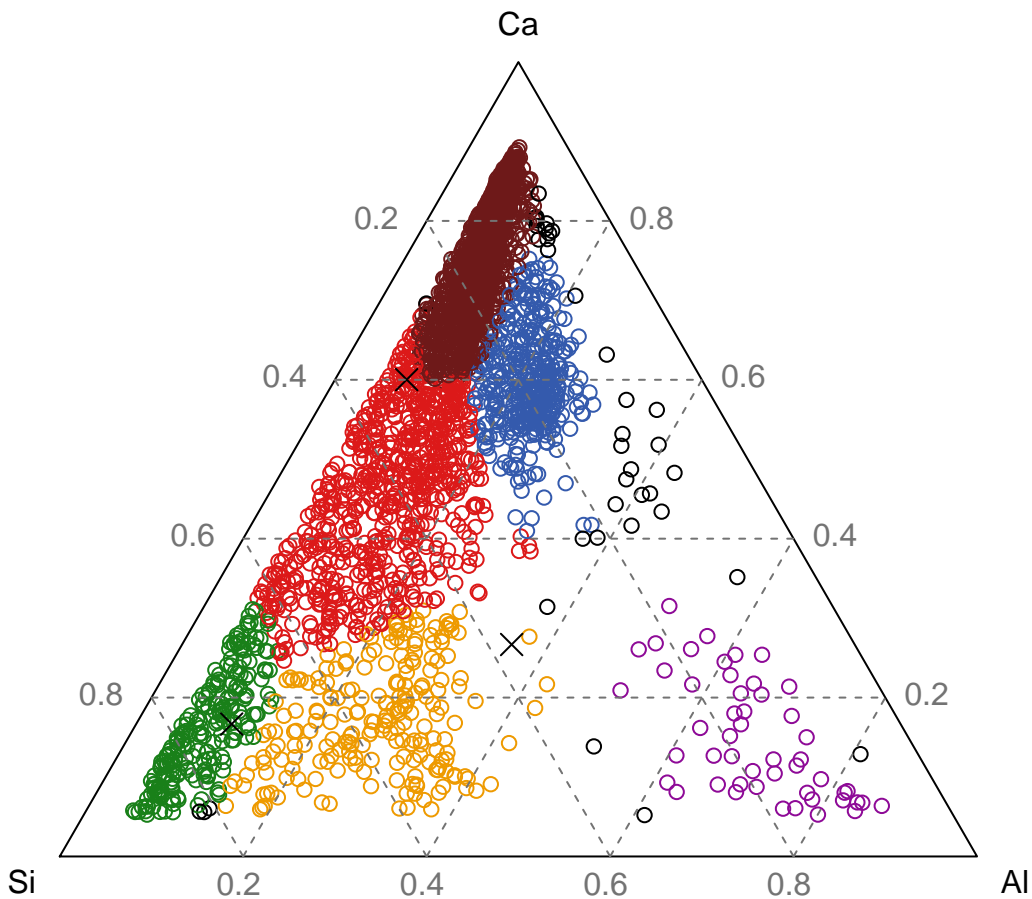
Si, S



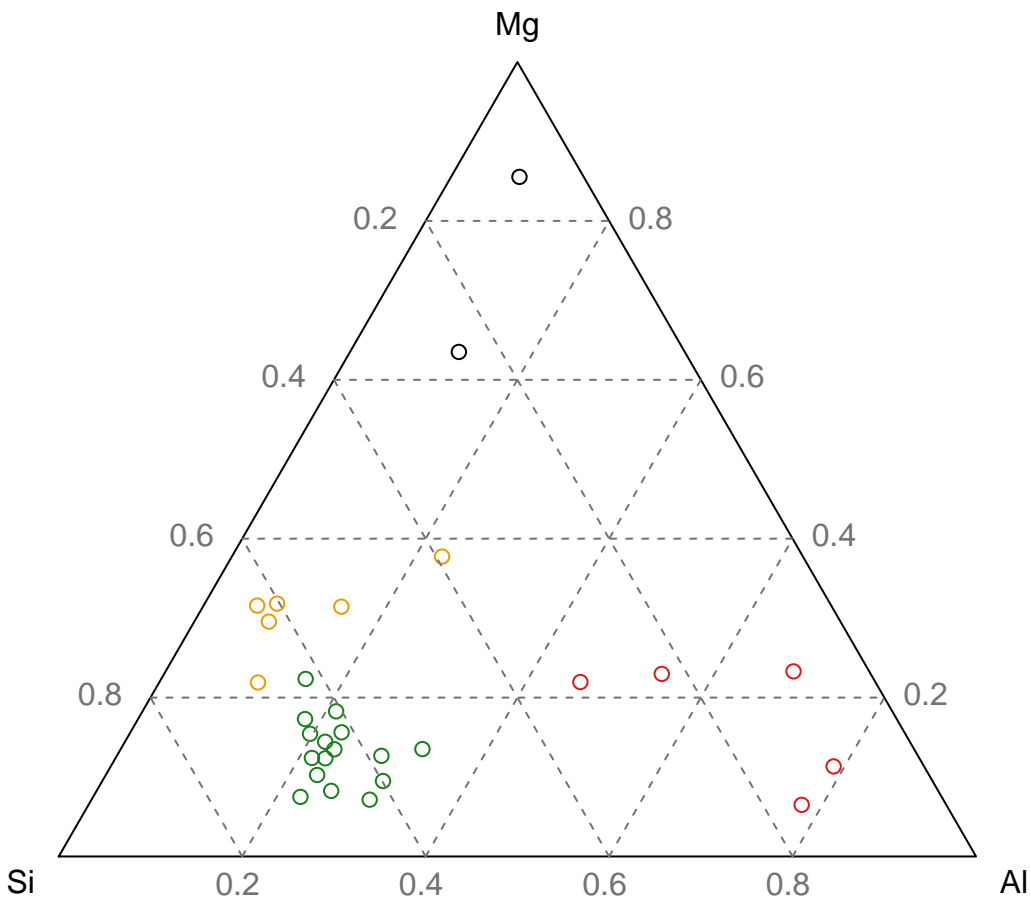
Si, P



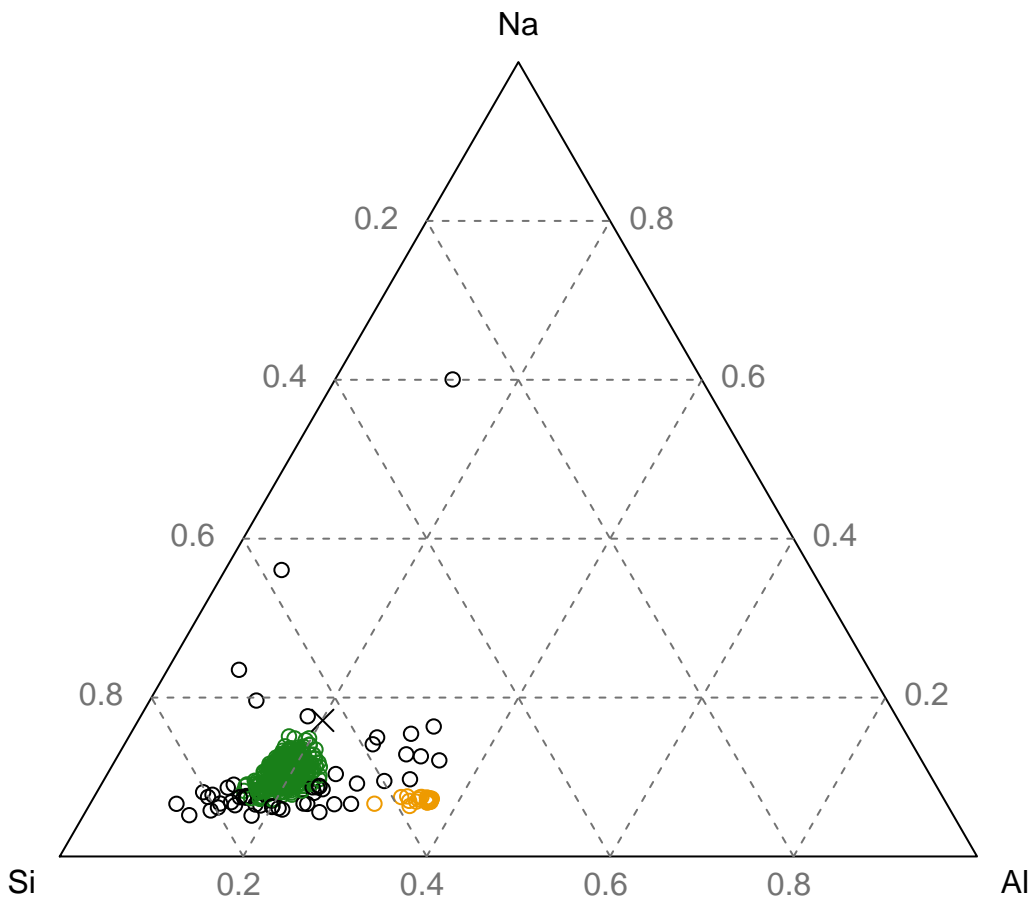
**Si, Al, Ca**



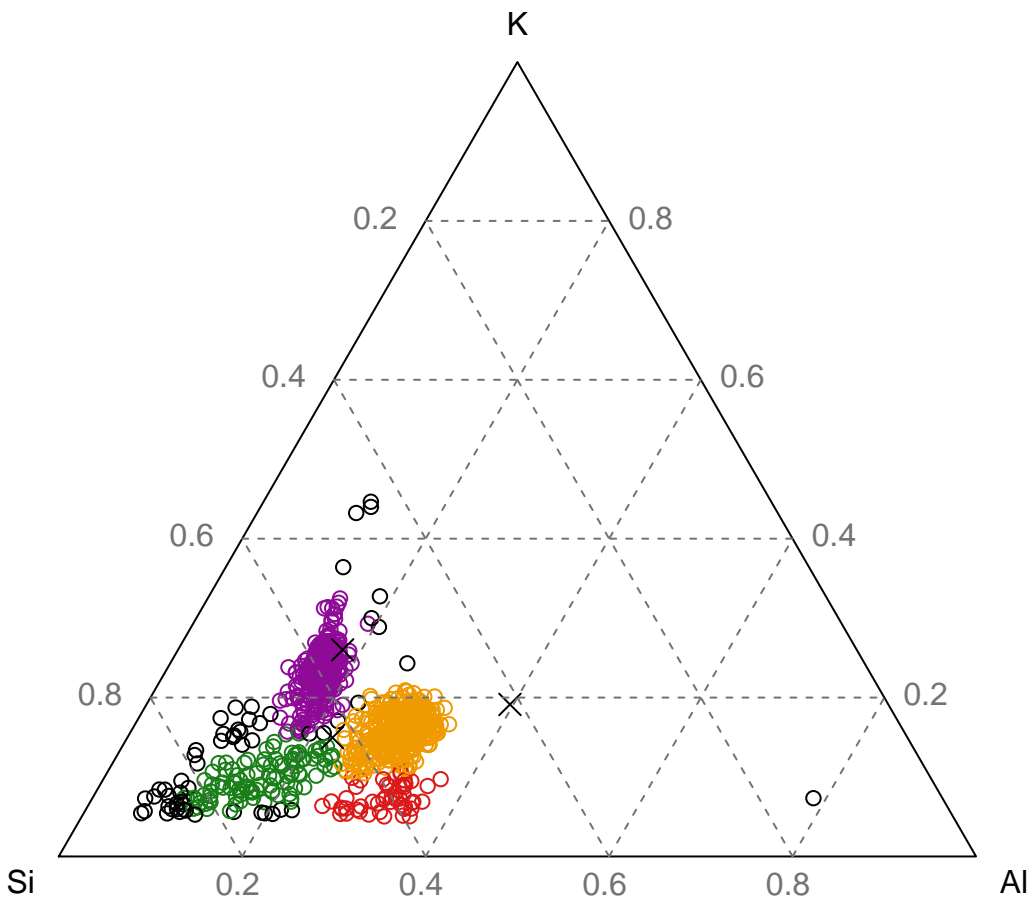
# Si, Al, Mg



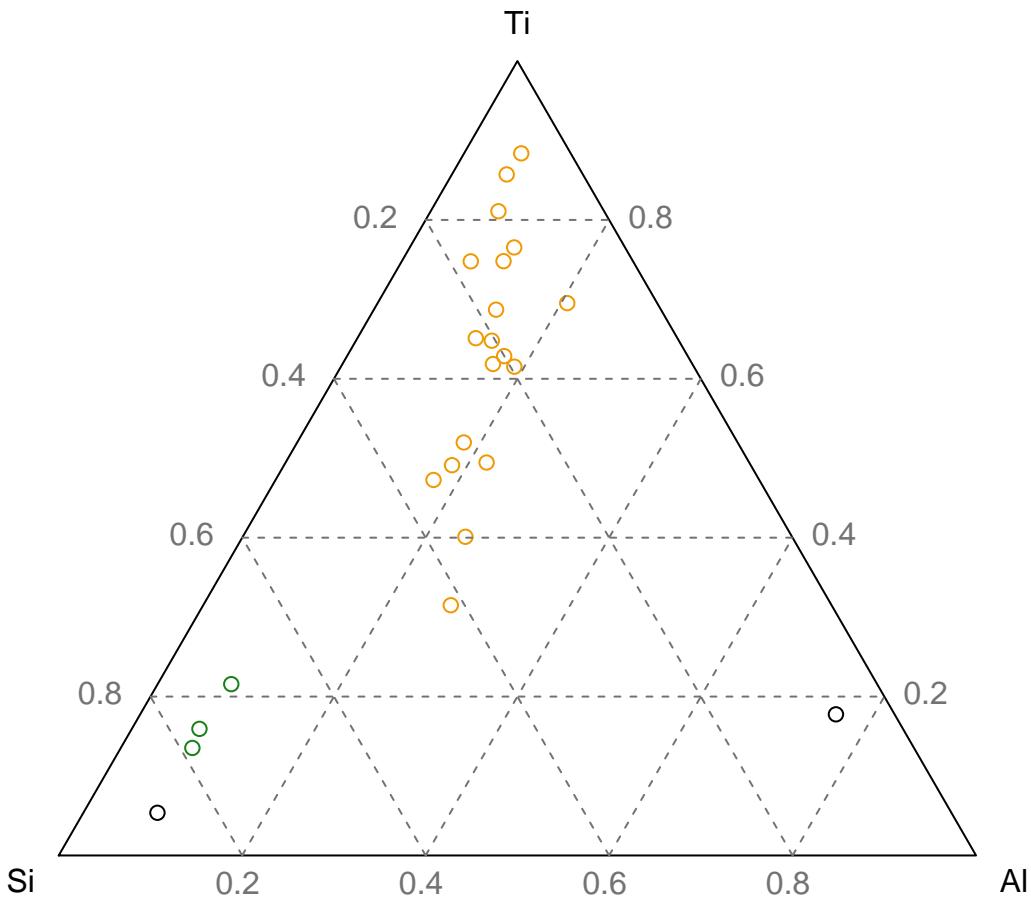
# Si, Al, Na



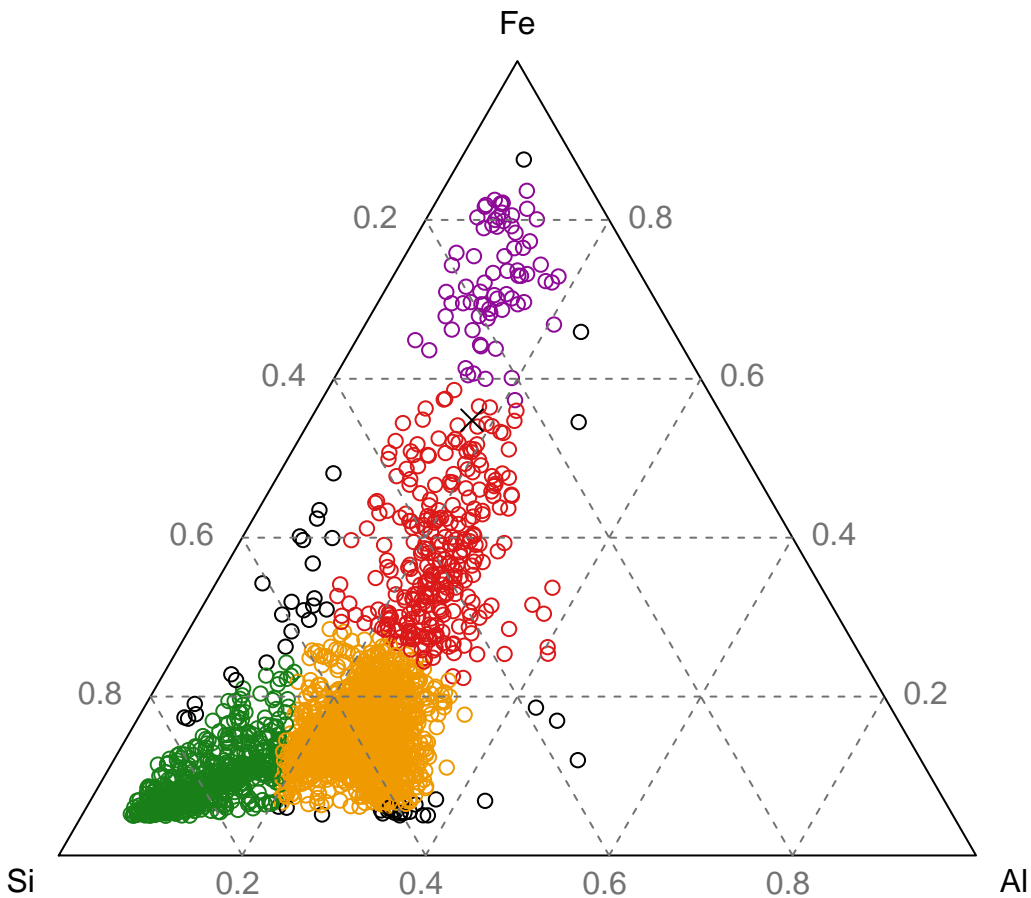
Si, Al, K



# Si, Al, Ti

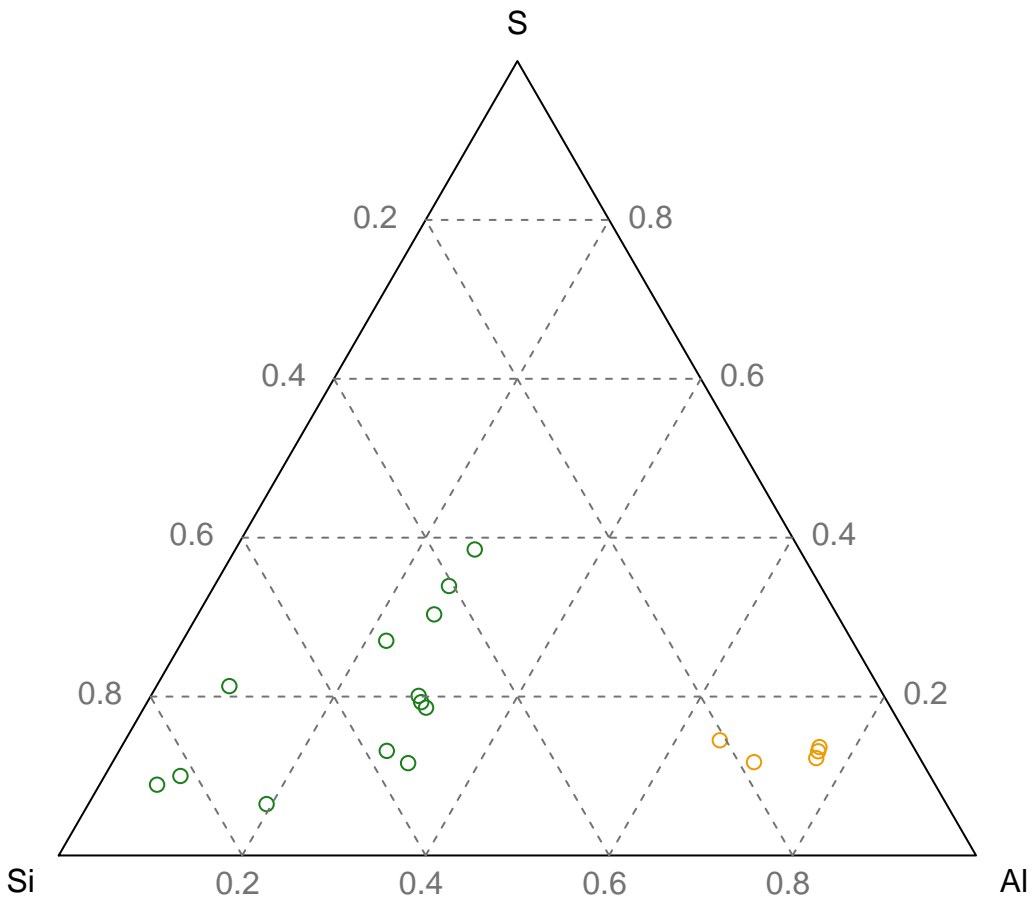


# Si, Al, Fe

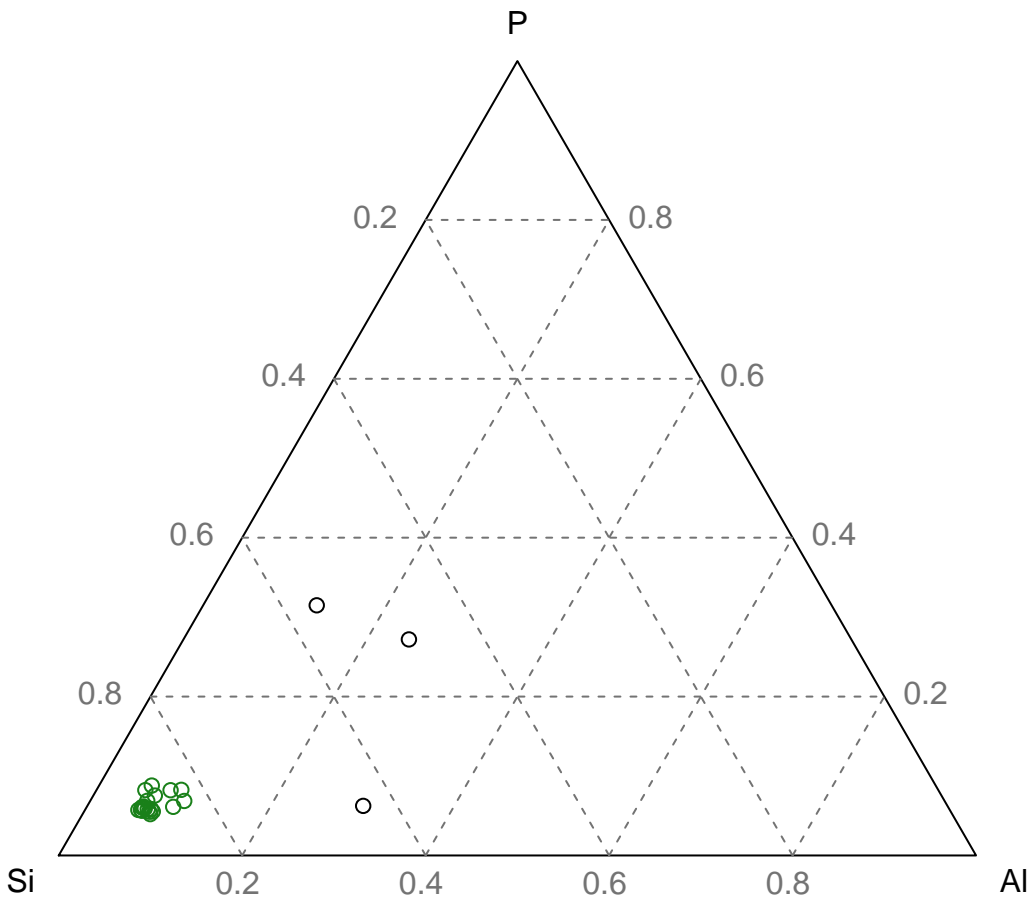




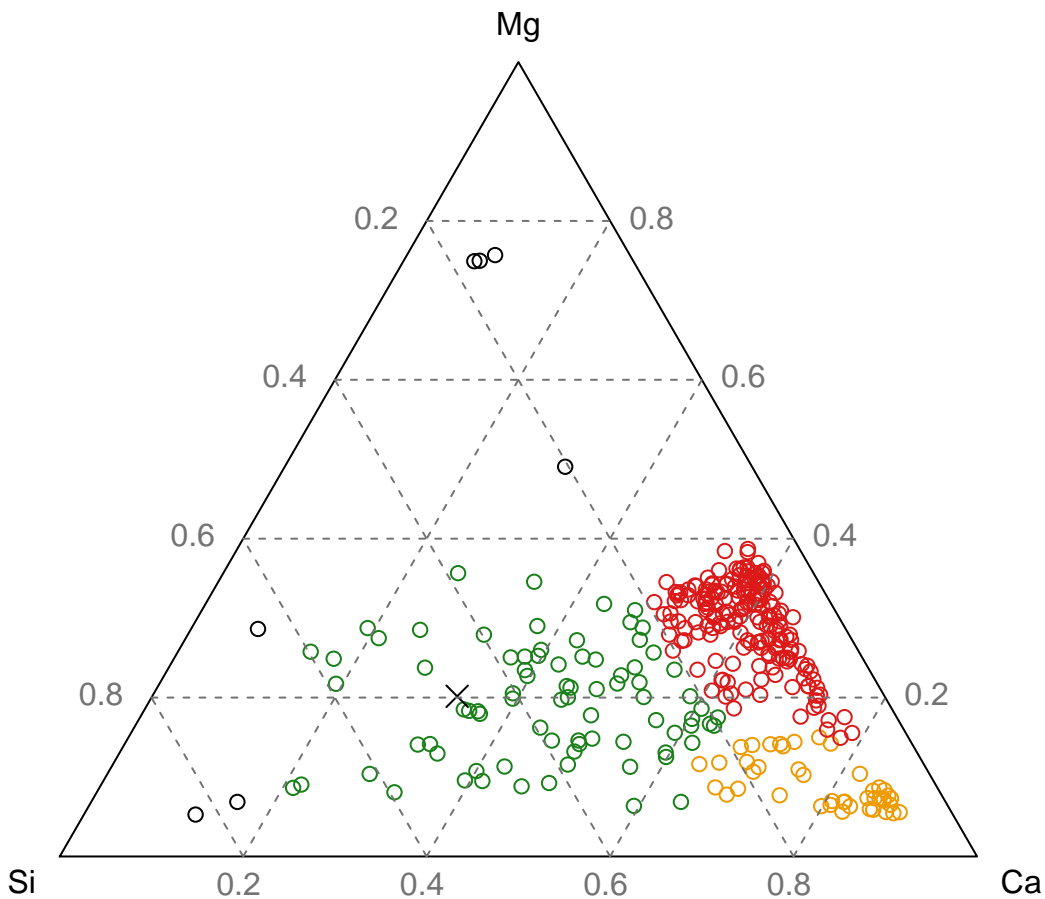
Si, Al, S



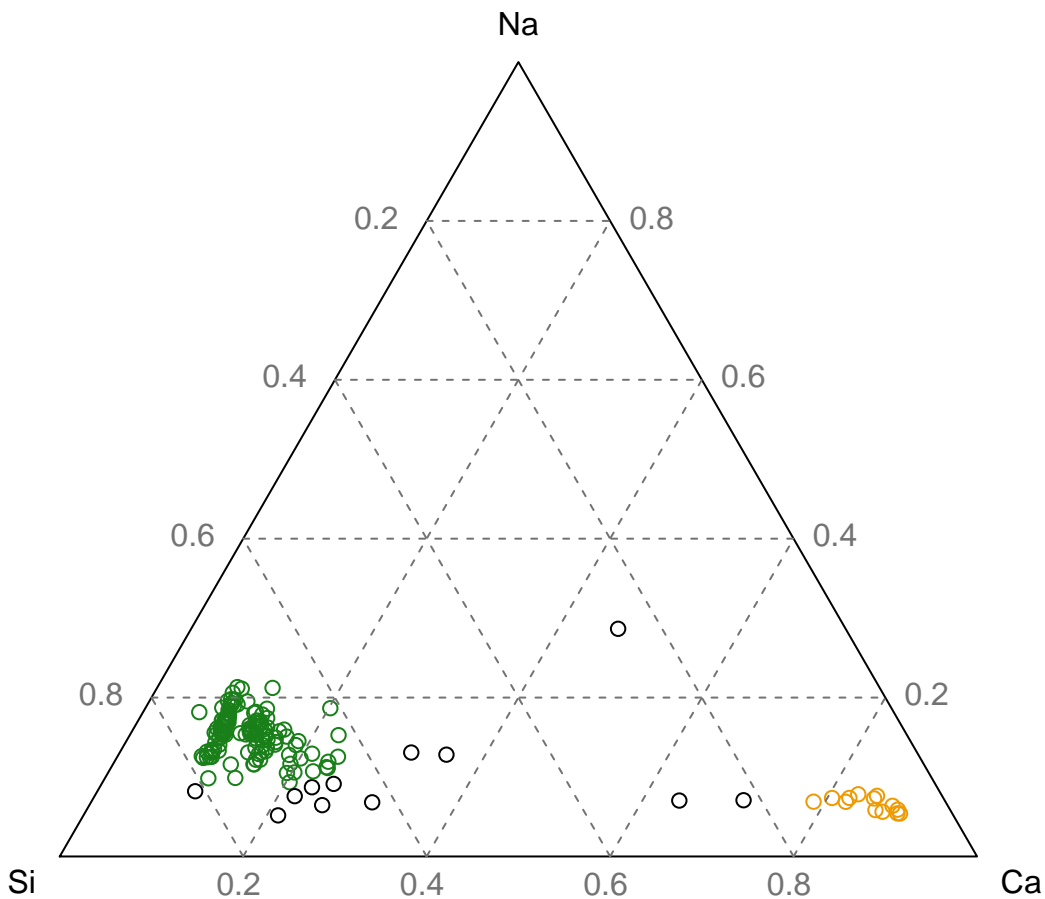
Si, Al, P



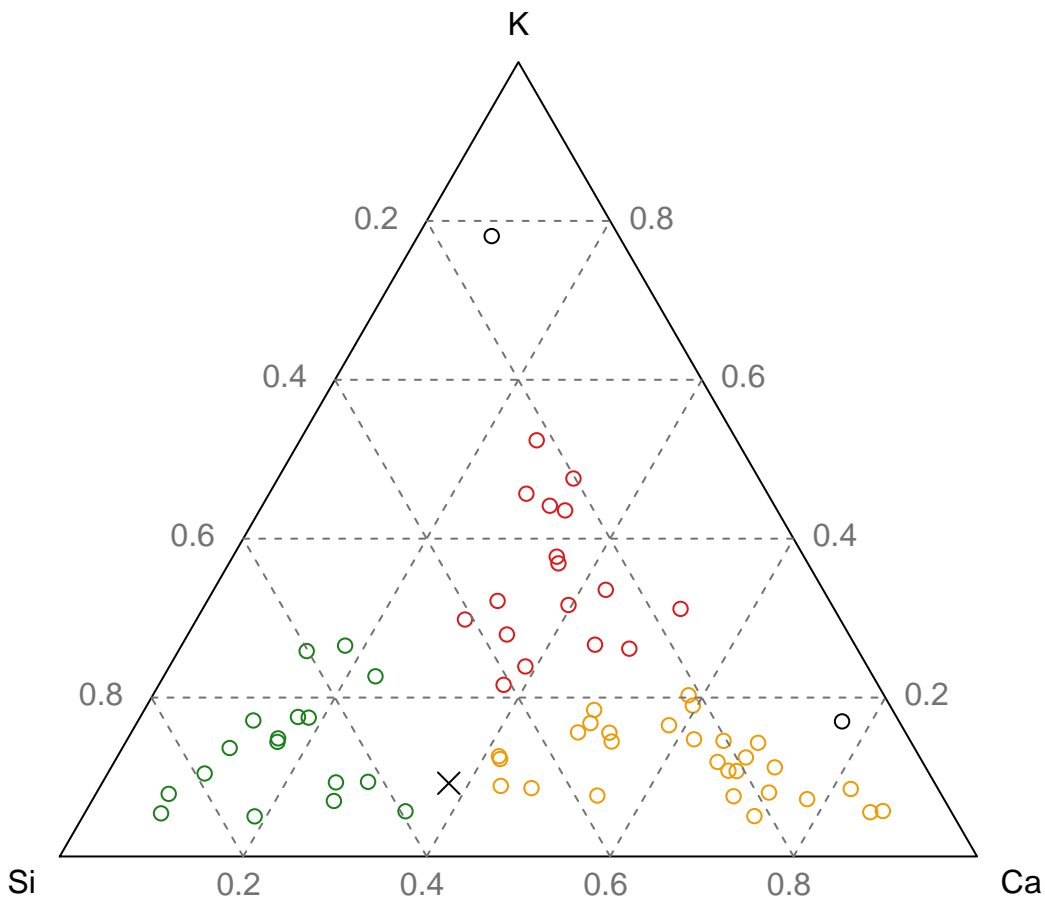
# Si, Ca, Mg



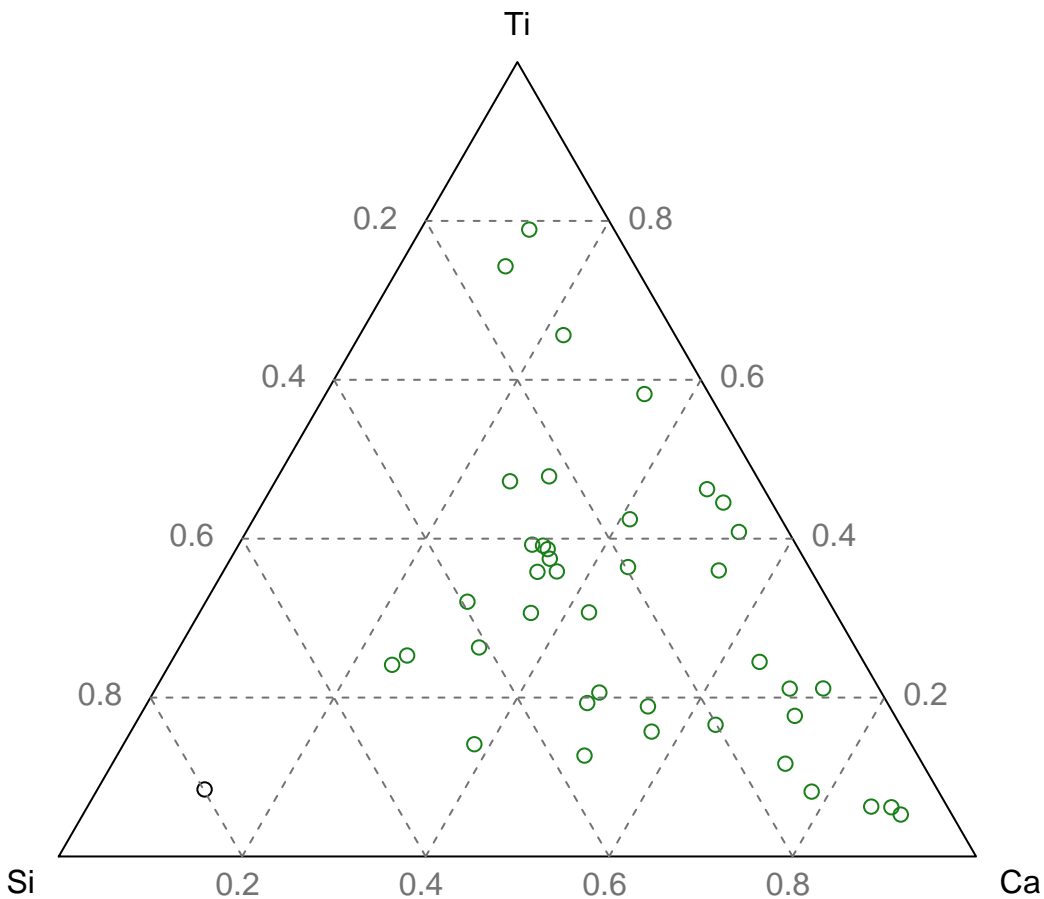
# Si, Ca, Na



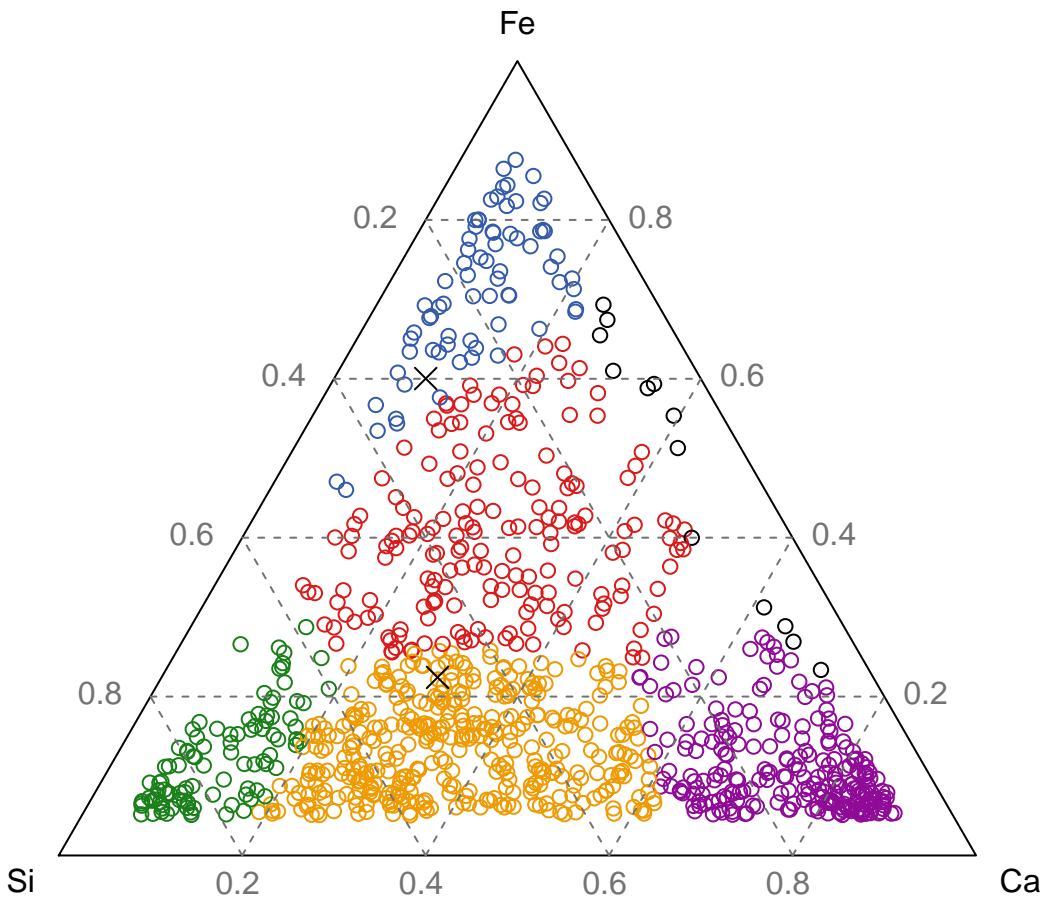
# Si, Ca, K



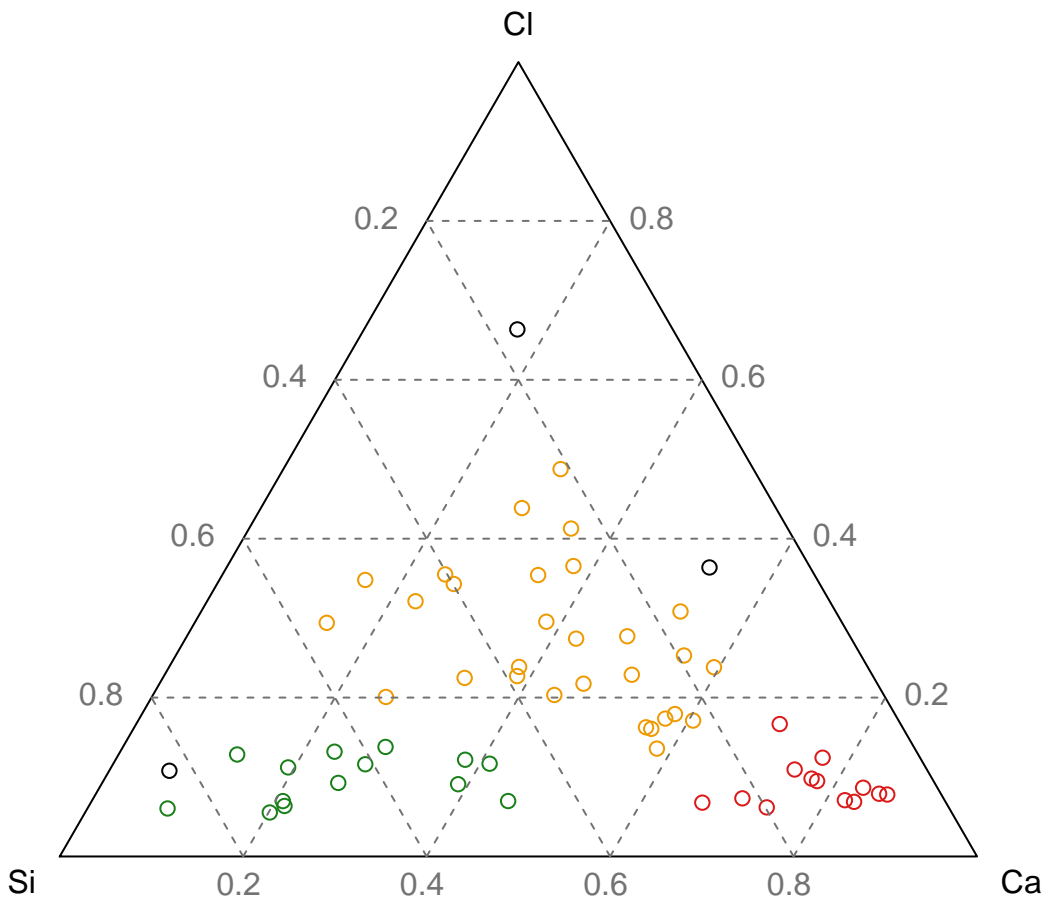
# Si, Ca, Ti



# Si, Ca, Fe

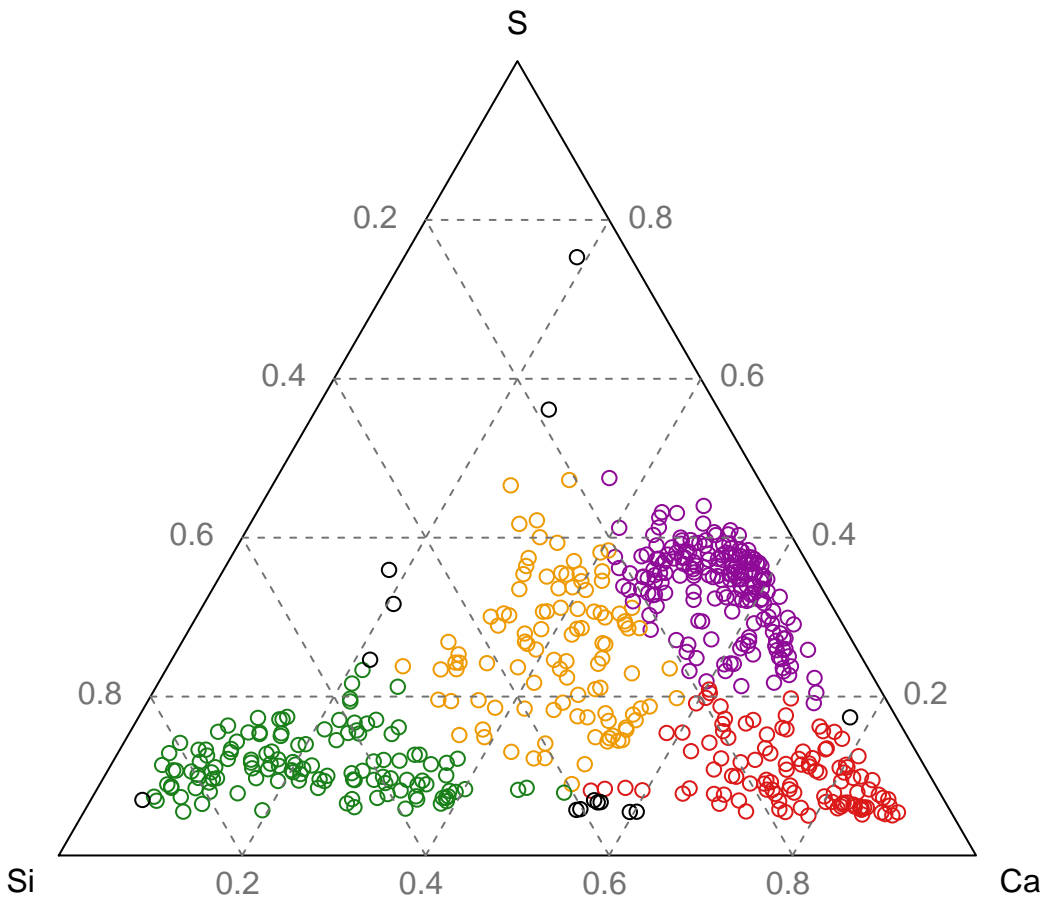


# Si, Ca, Cl

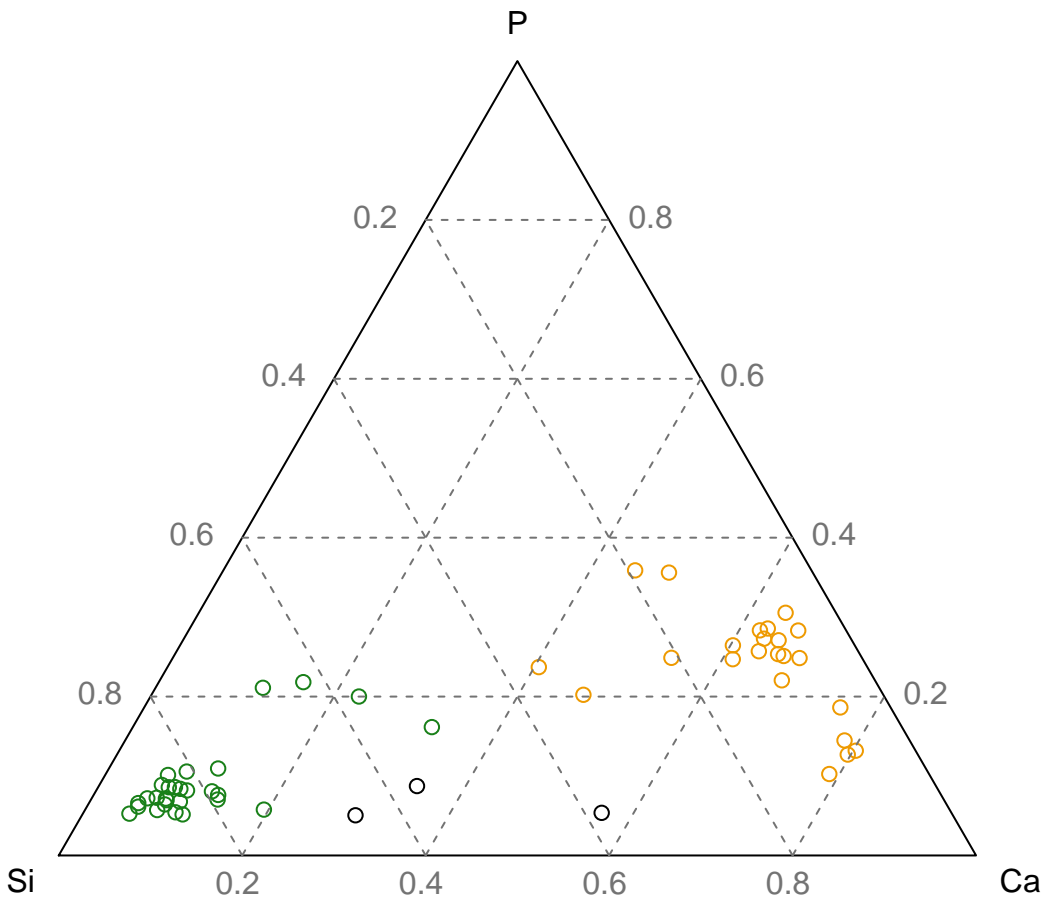




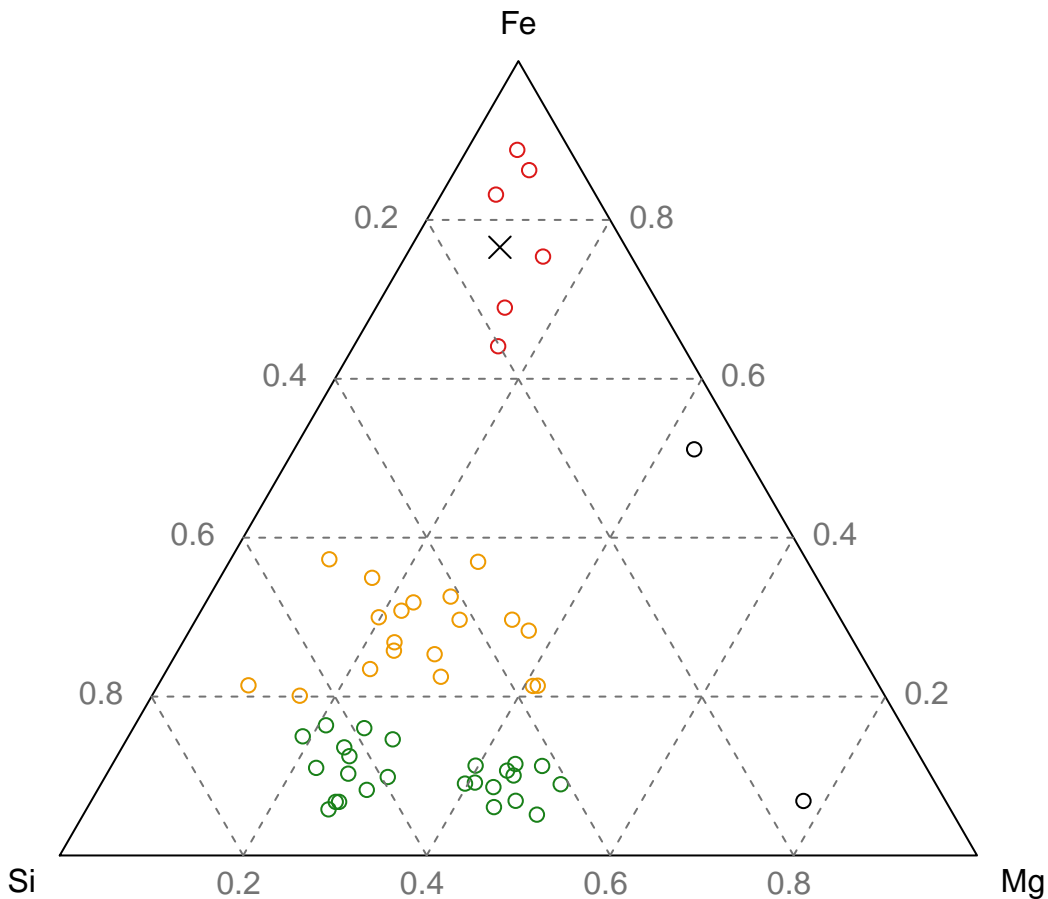
**Si, Ca, S**



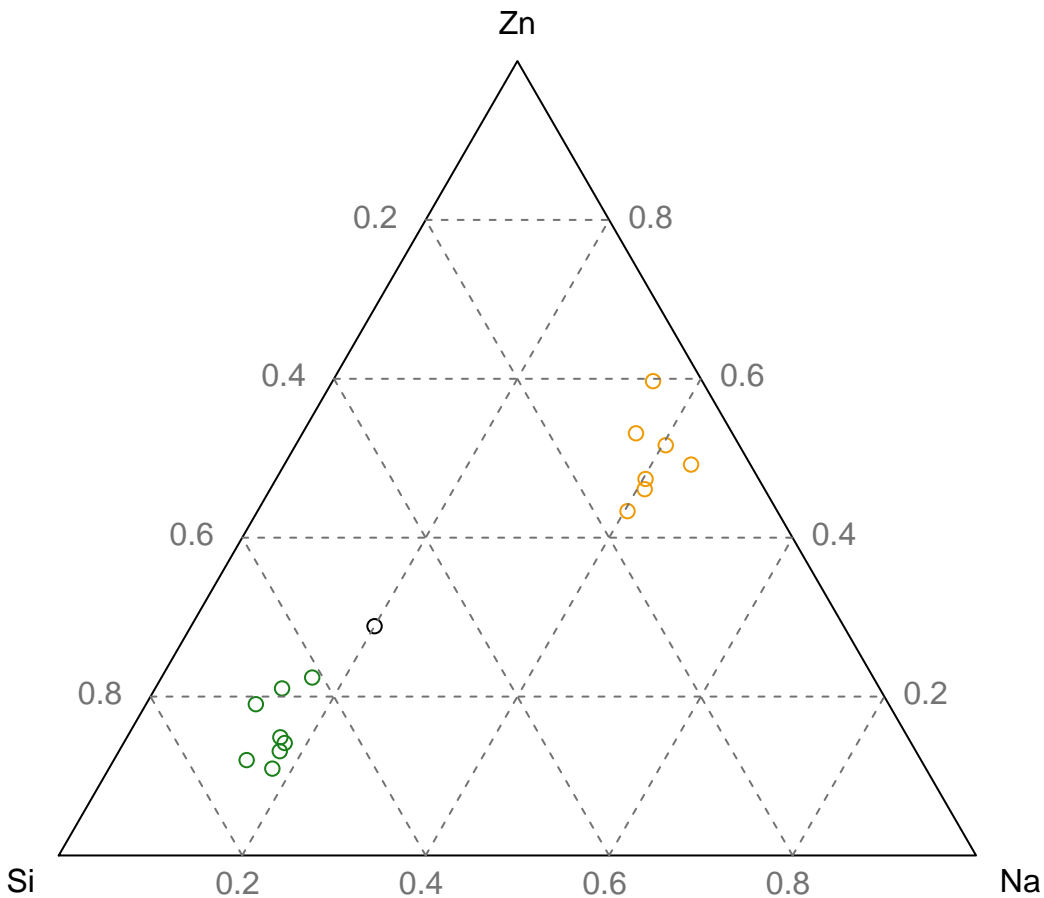
# Si, Ca, P



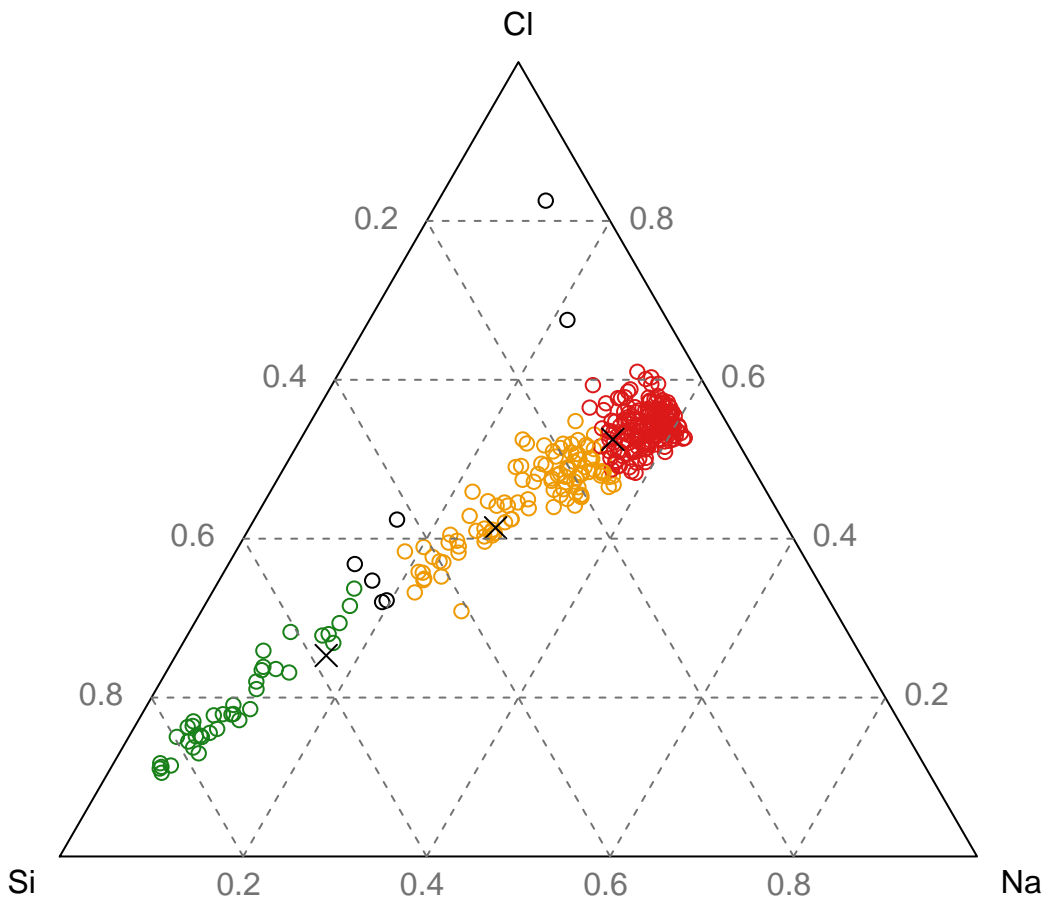
# Si, Mg, Fe



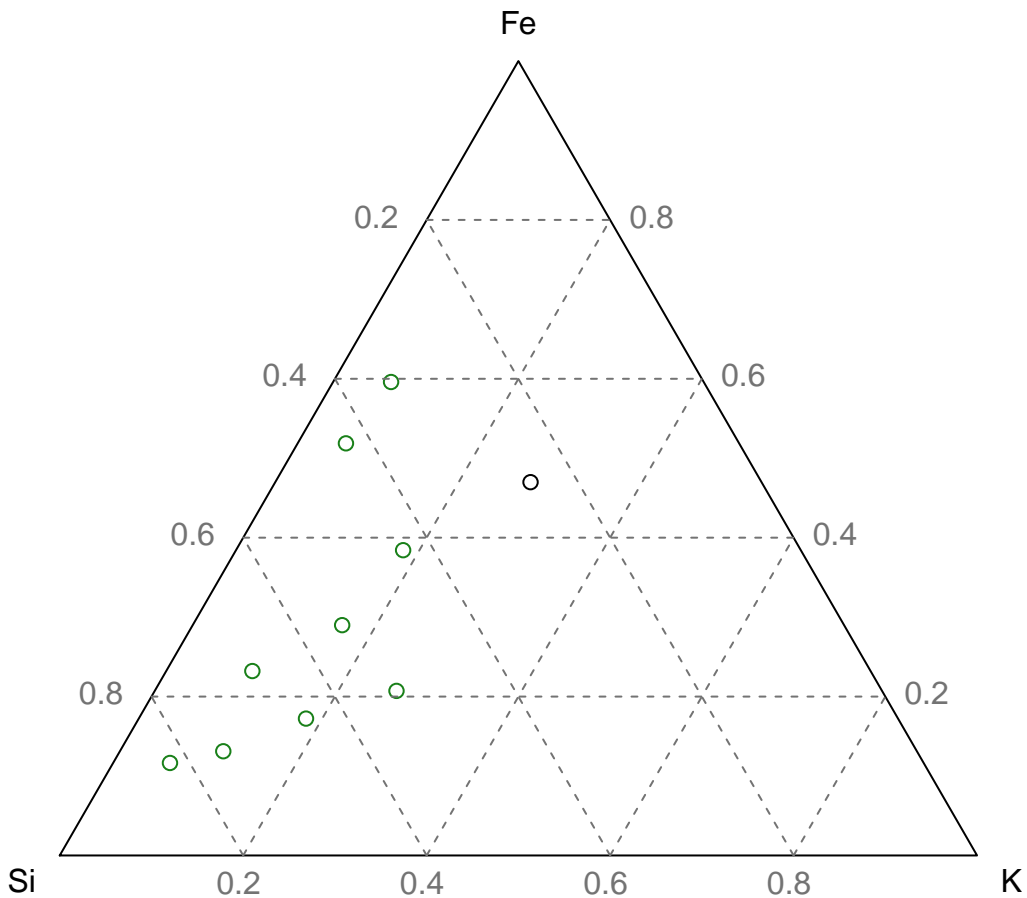
# Si, Na, Zn



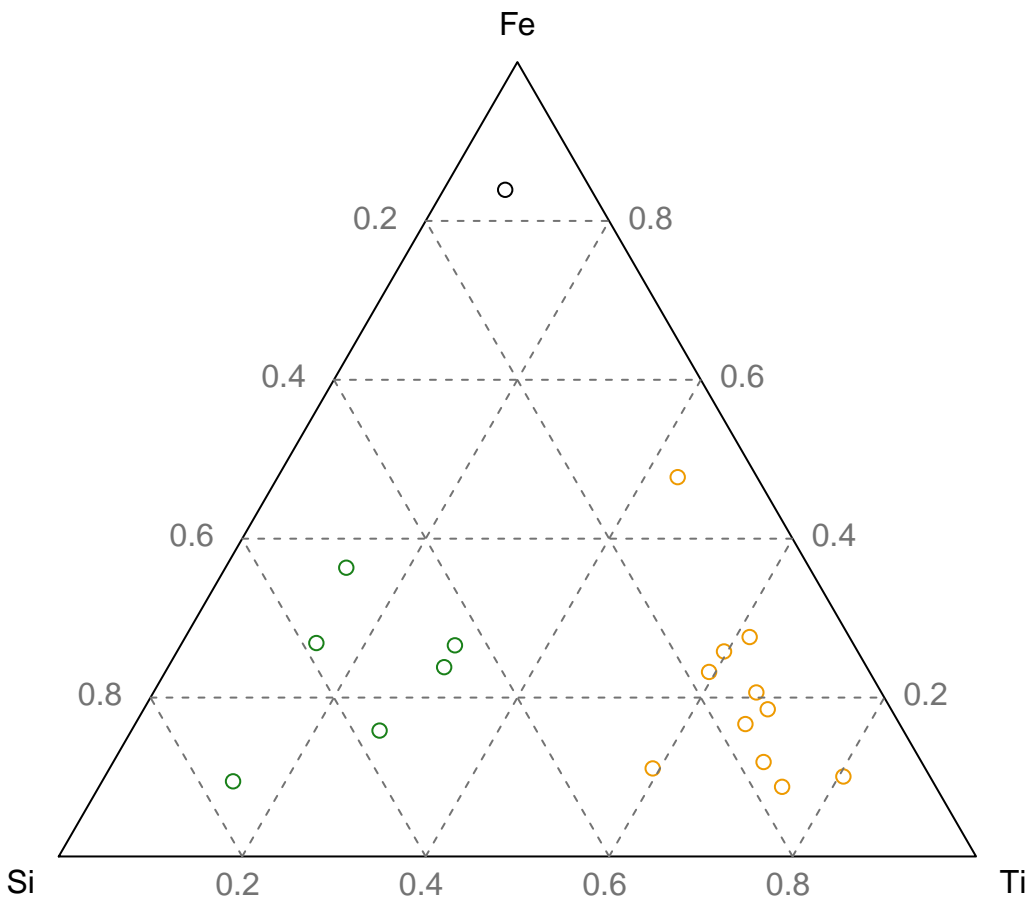
# Si, Na, Cl



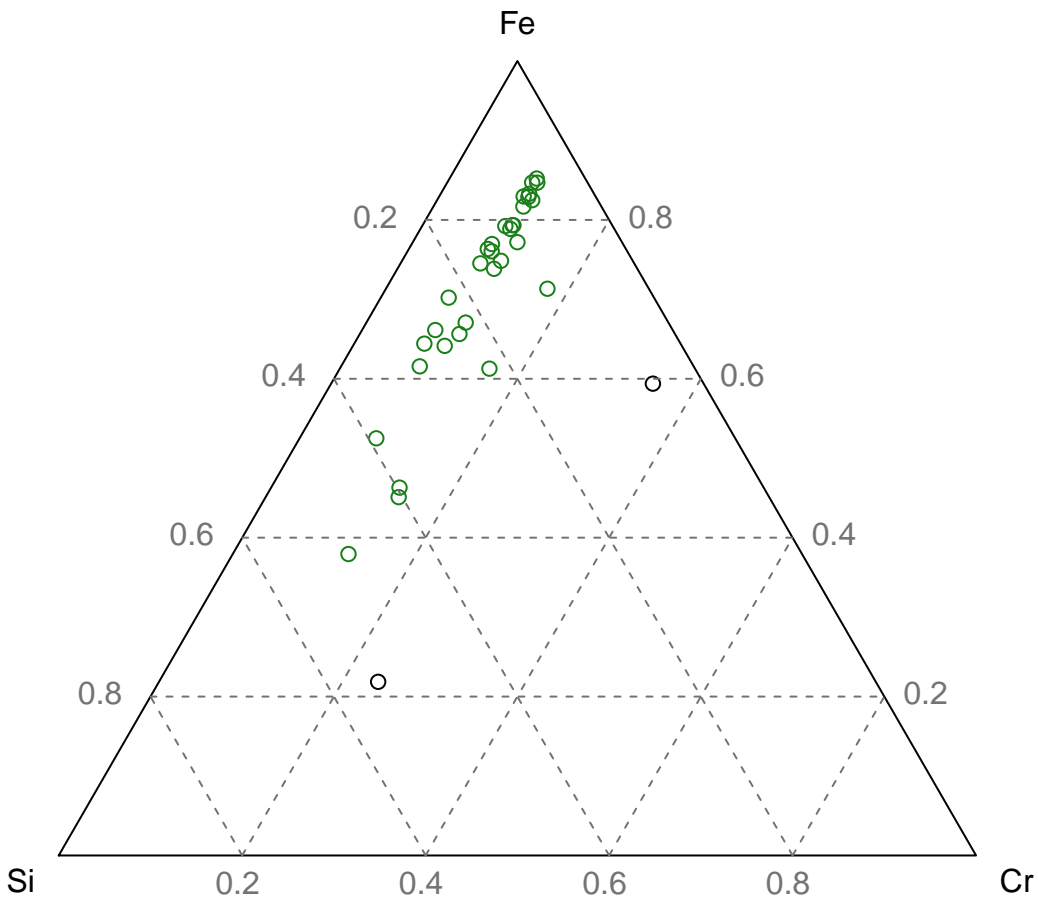
**Si, K, Fe**



# Si, Ti, Fe

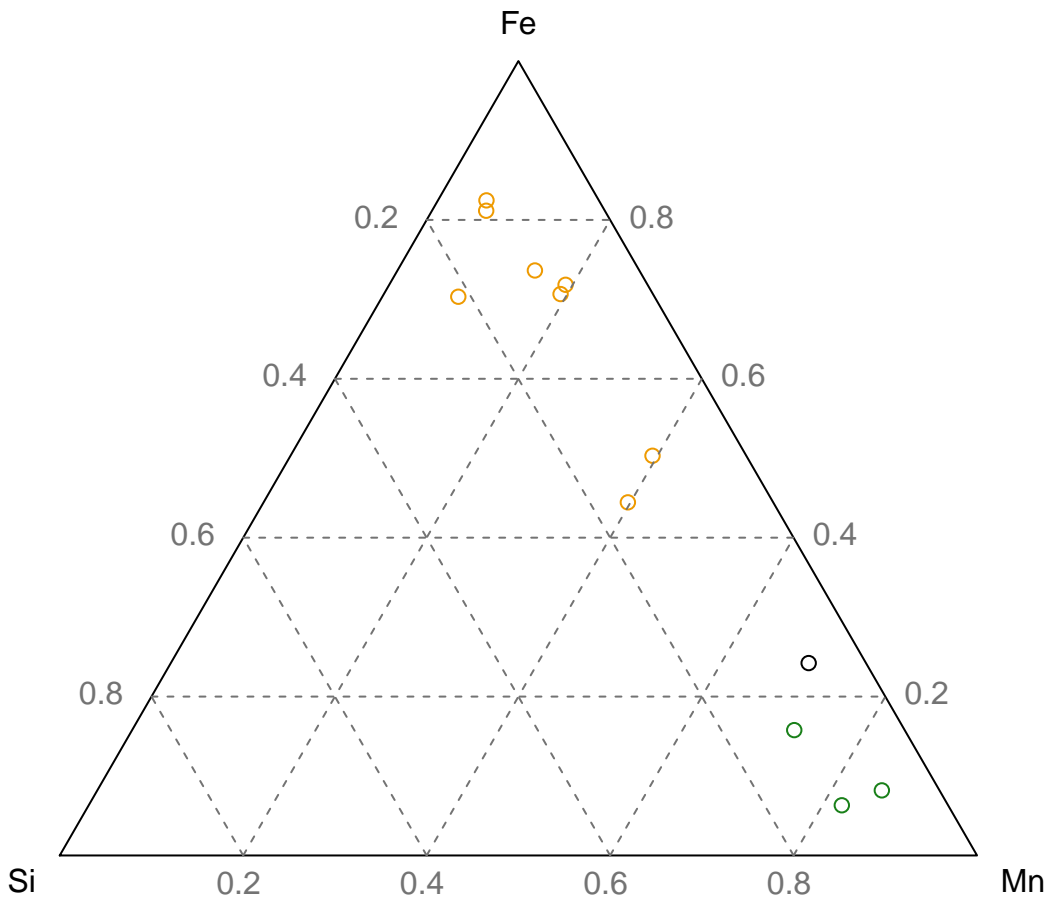


# Si, Cr, Fe

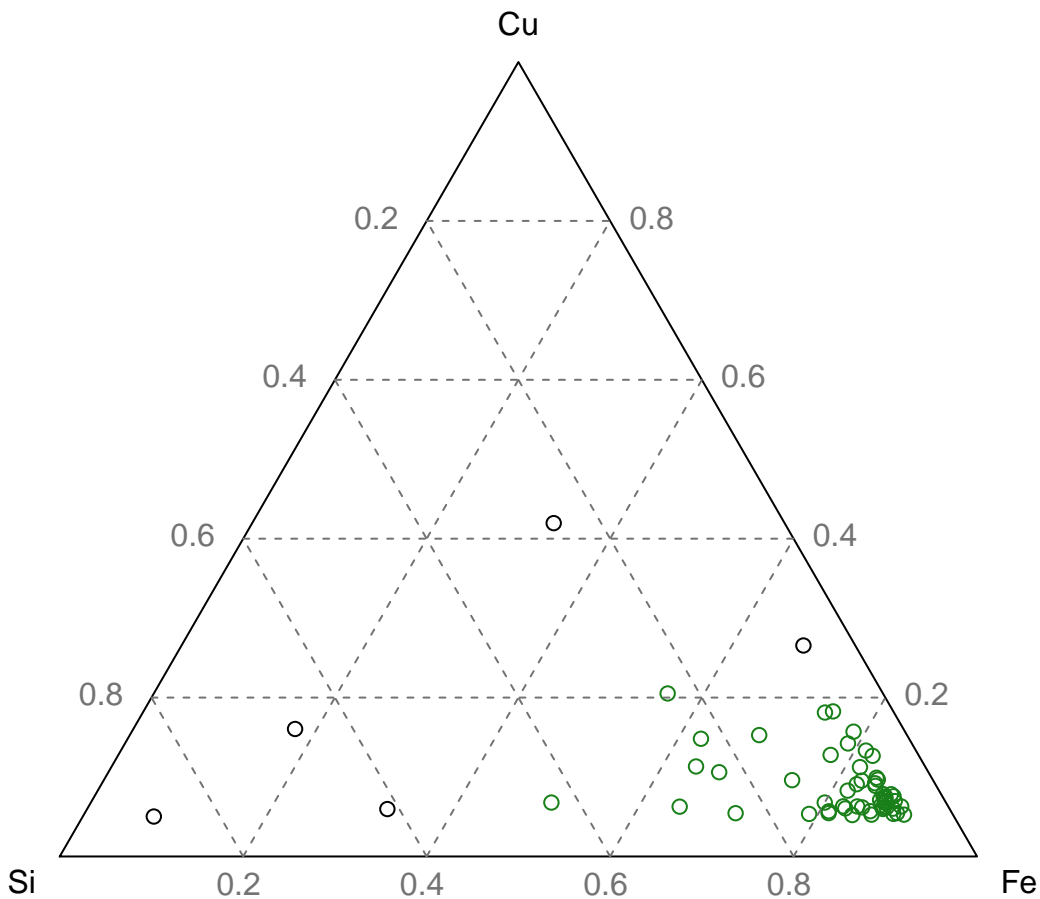




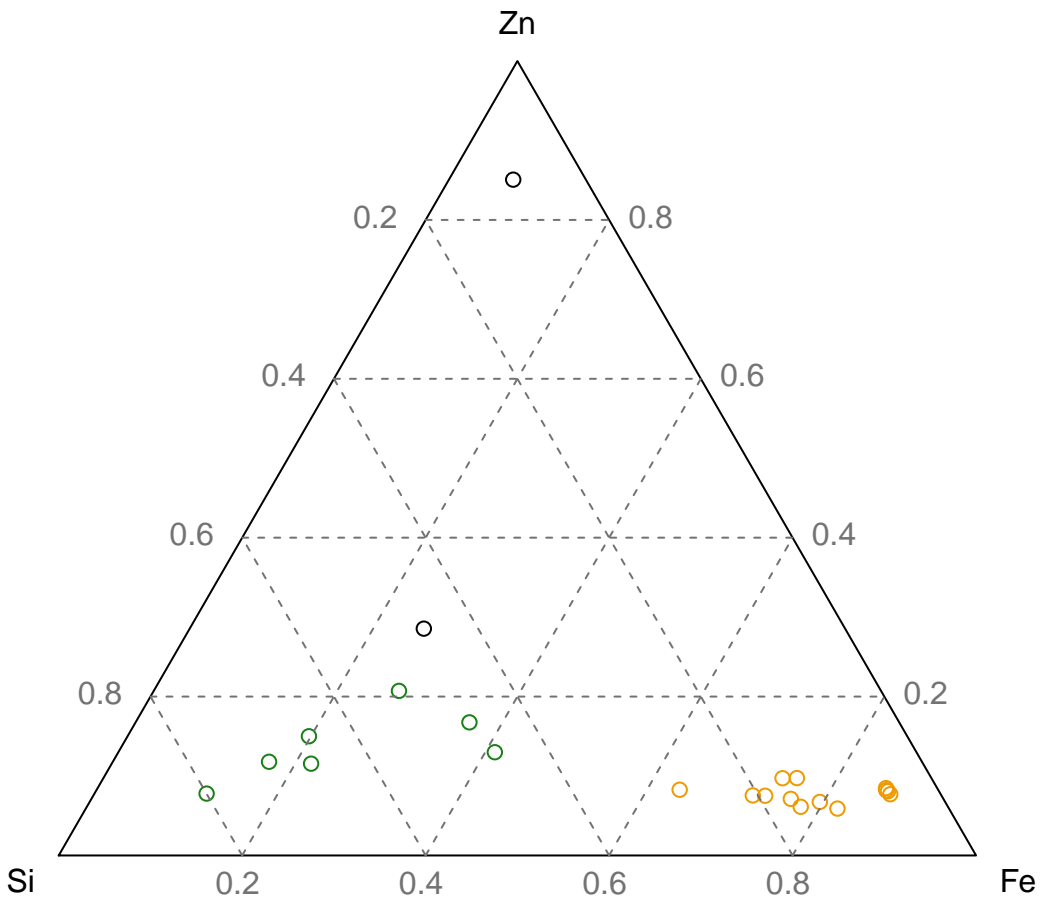
# Si, Mn, Fe



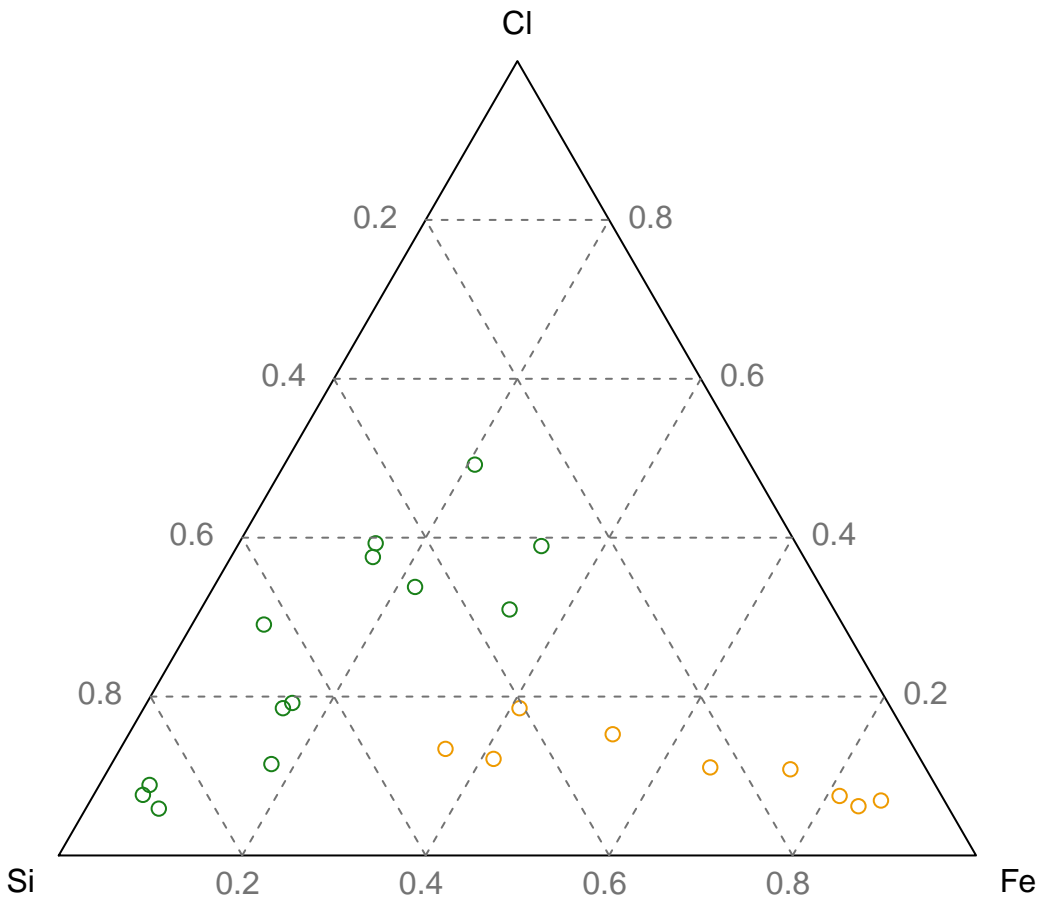
# Si, Fe, Cu



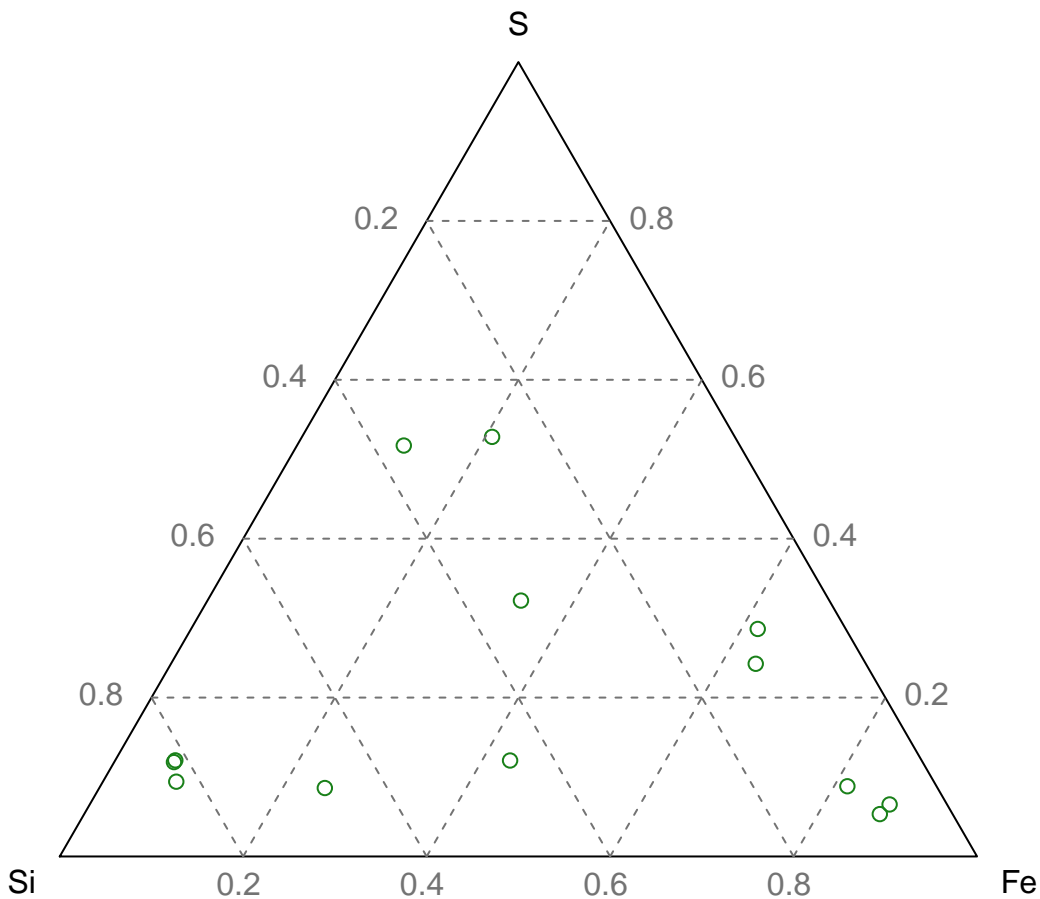
# Si, Fe, Zn



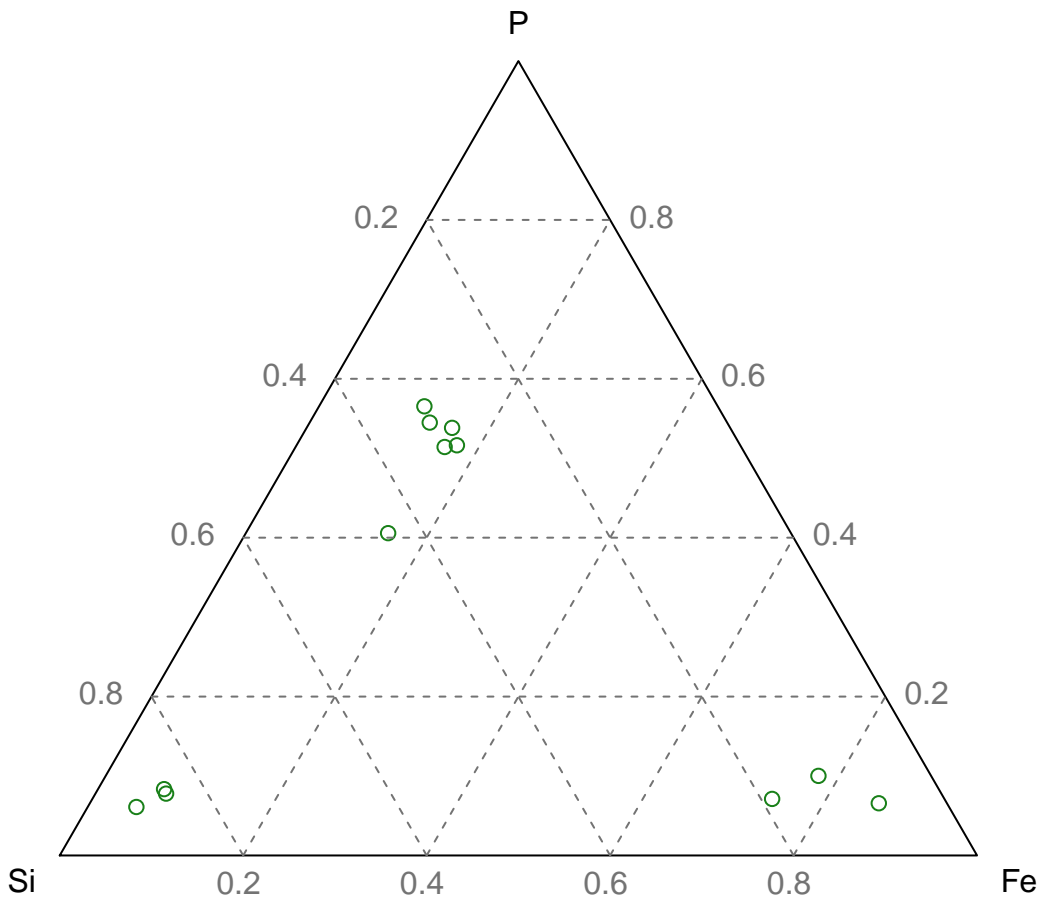
# Si, Fe, Cl



# Si, Fe, S

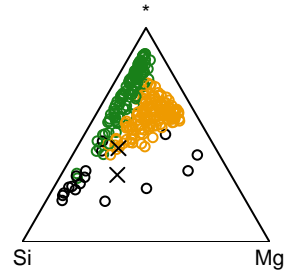
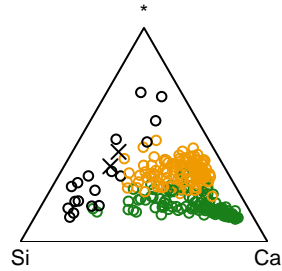
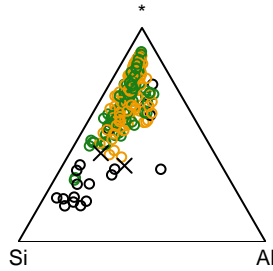


# Si, Fe, P

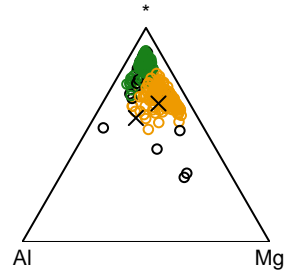
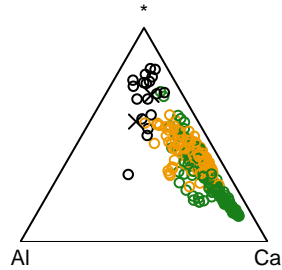
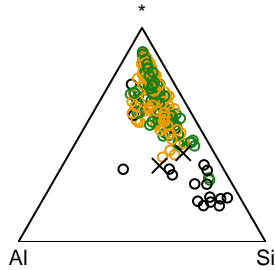


# Si, Al, Ca, Mg

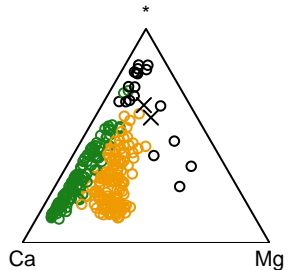
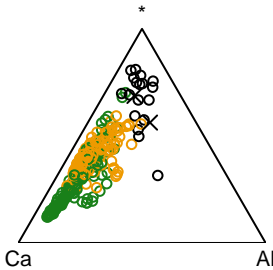
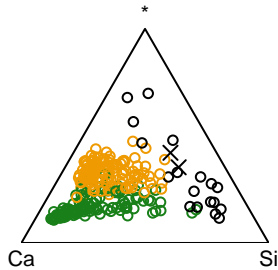
Si



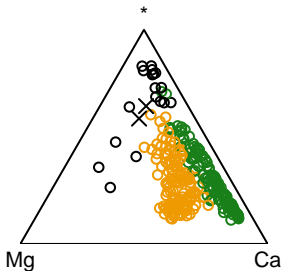
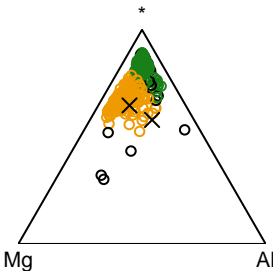
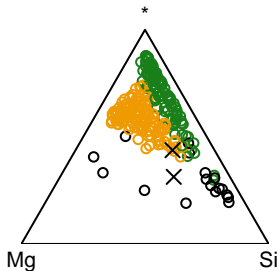
Al



Ca

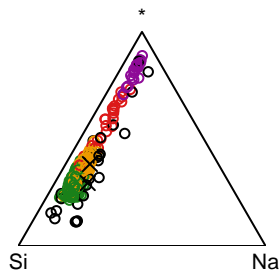
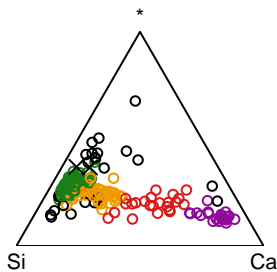
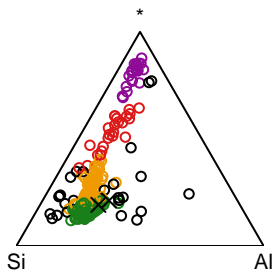


Mg

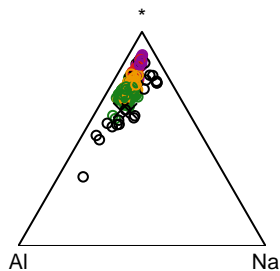
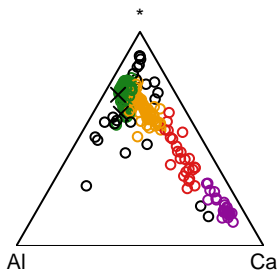
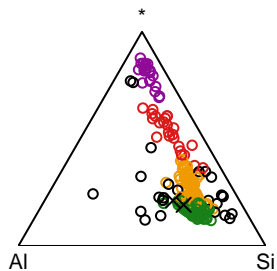


# Si, Al, Ca, Na

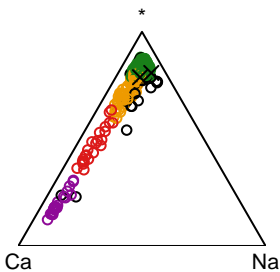
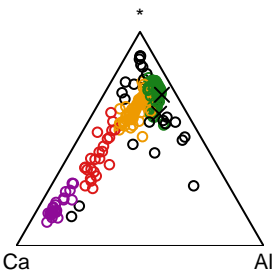
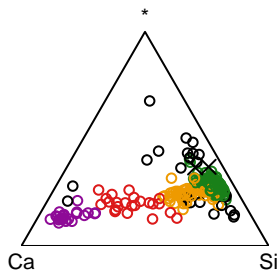
Si



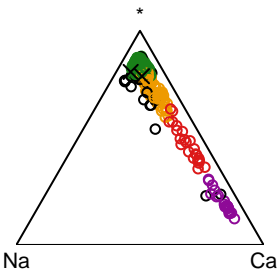
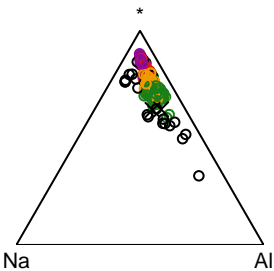
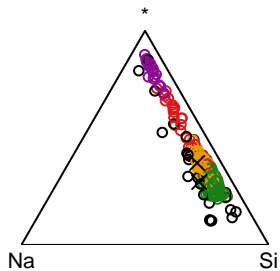
Al



Ca



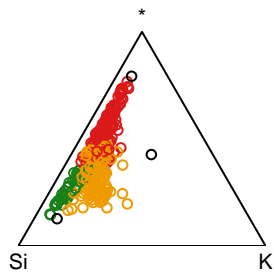
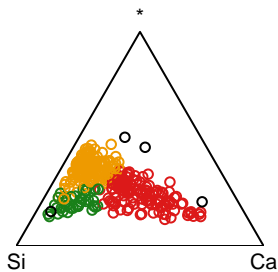
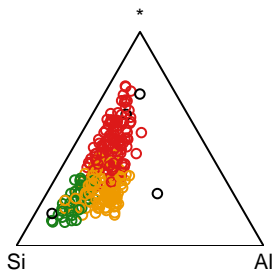
Na



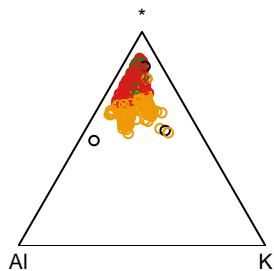
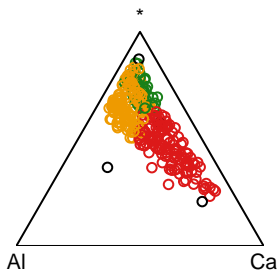
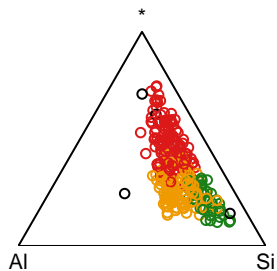


# Si, Al, Ca, K

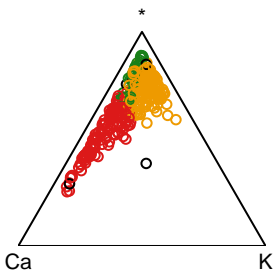
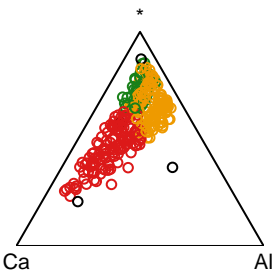
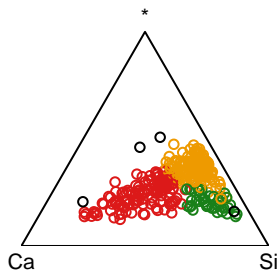
Si



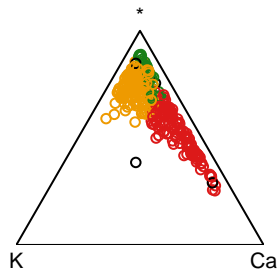
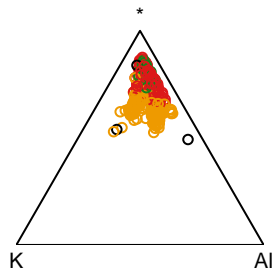
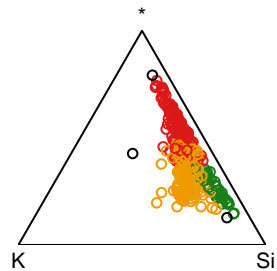
Al



Ca

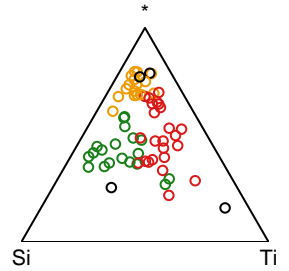
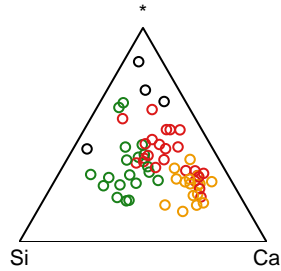
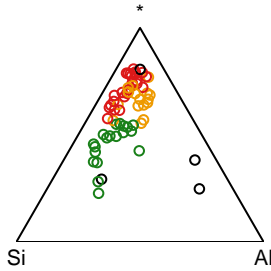


K

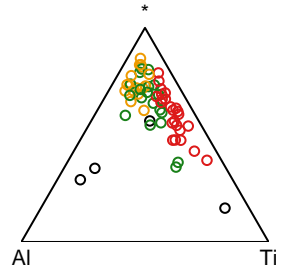
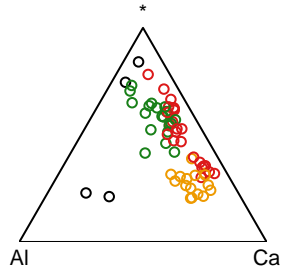
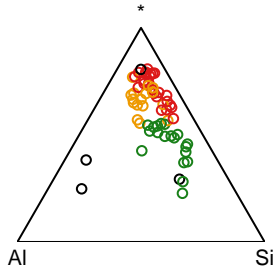


# Si, Al, Ca, Ti

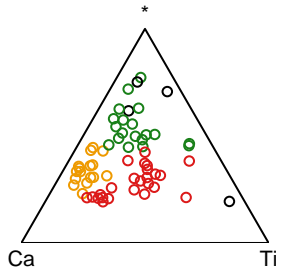
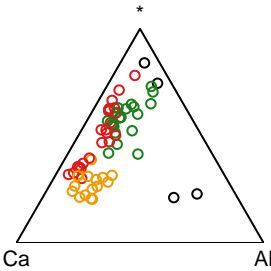
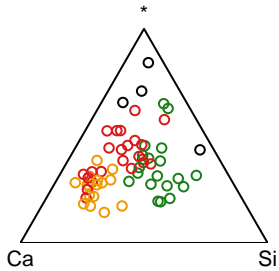
Si



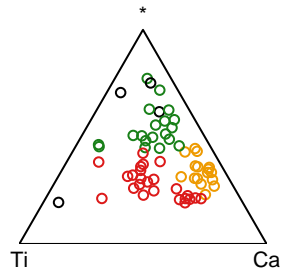
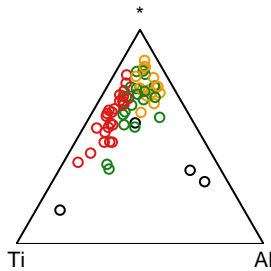
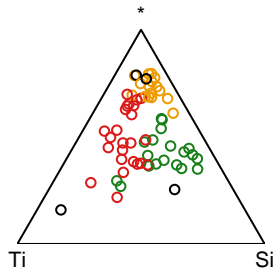
Al



Ca

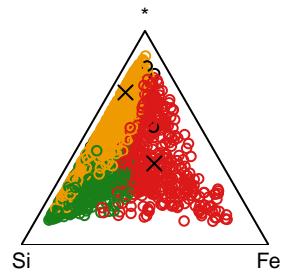
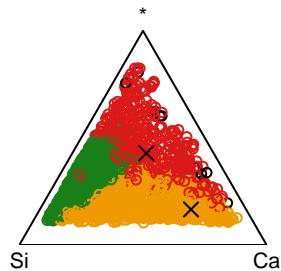
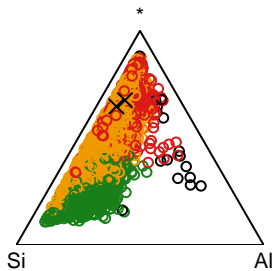


Ti

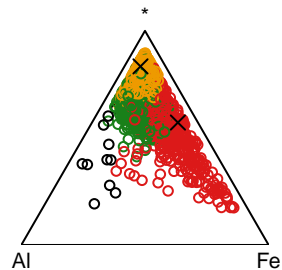
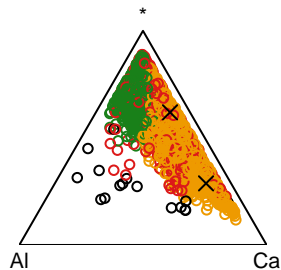
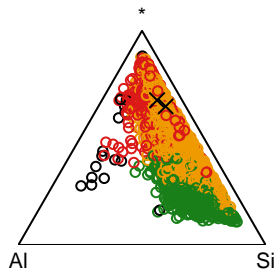


# Si, Al, Ca, Fe

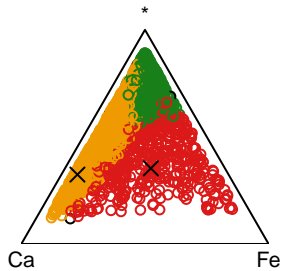
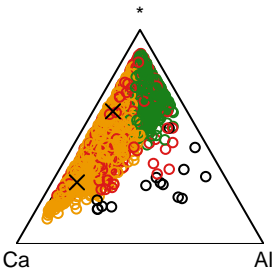
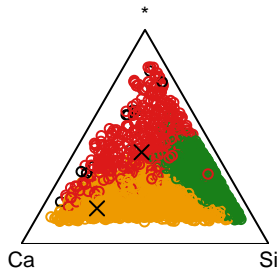
Si



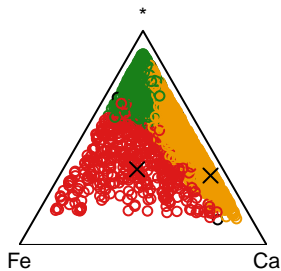
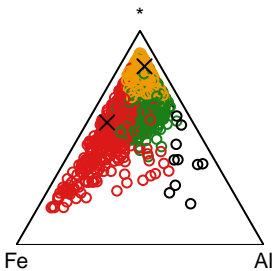
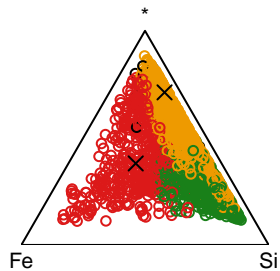
Al



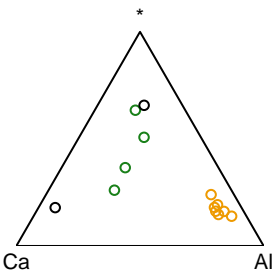
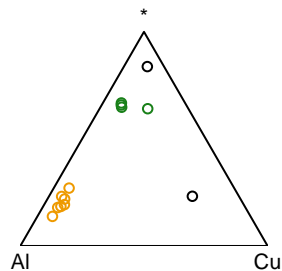
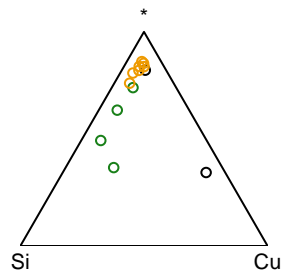
Ca



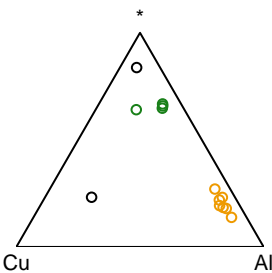
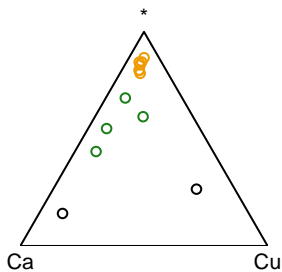
Fe



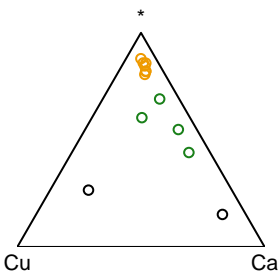
## Si



## Ca

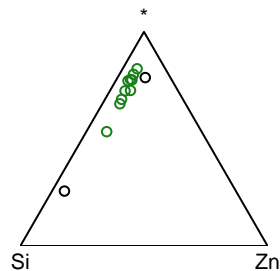
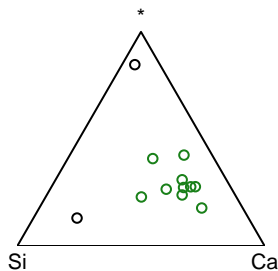
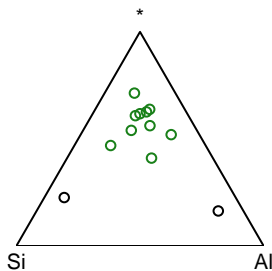


## Cu

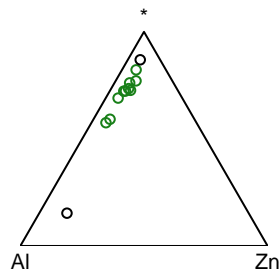
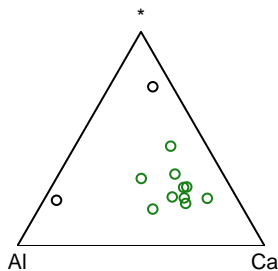
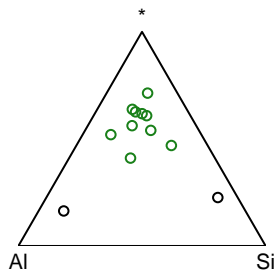


# Si, Al, Ca, Zn

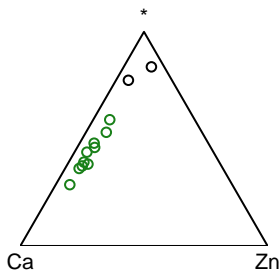
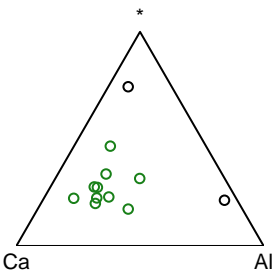
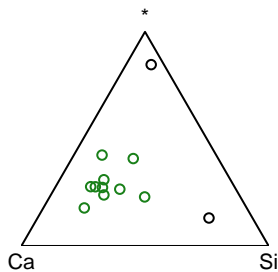
Si



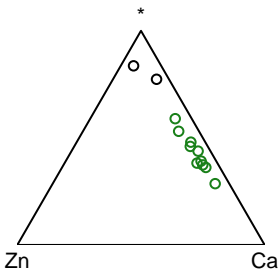
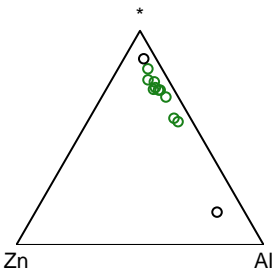
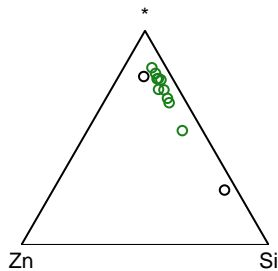
Al



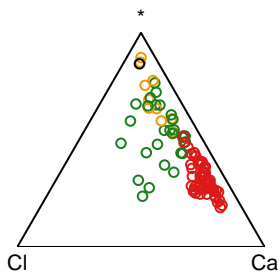
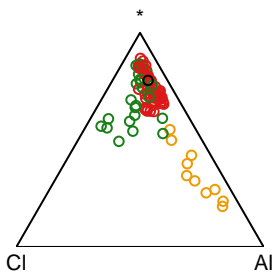
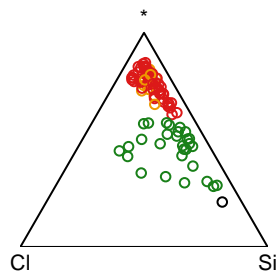
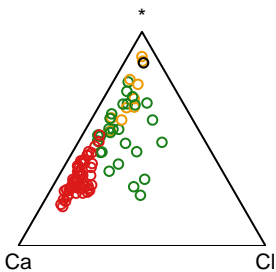
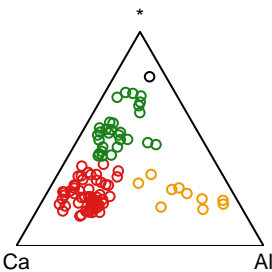
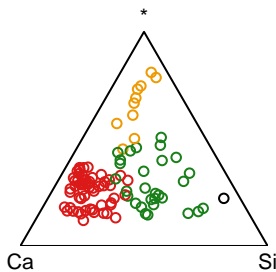
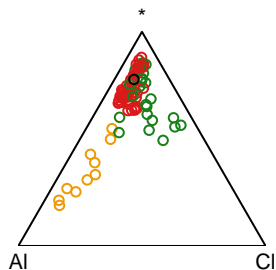
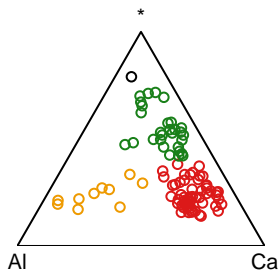
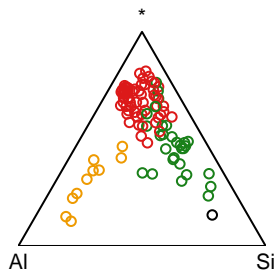
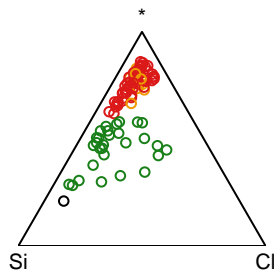
Ca



Zn



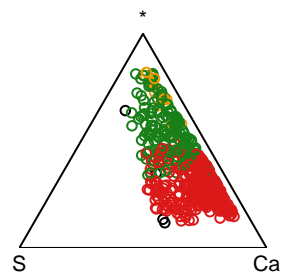
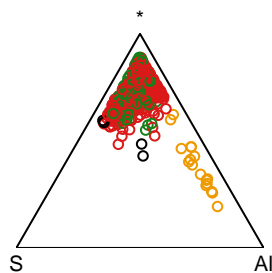
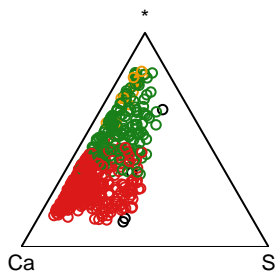
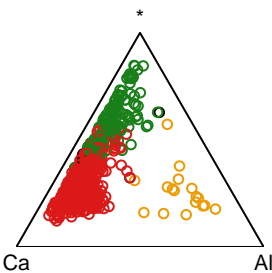
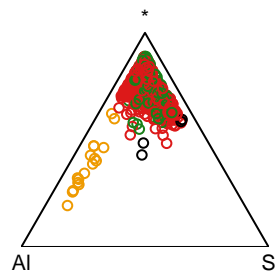
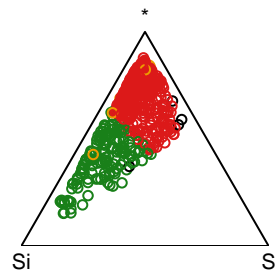
## Si



## Ca

## Cl

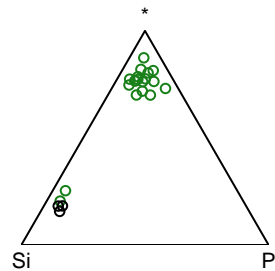
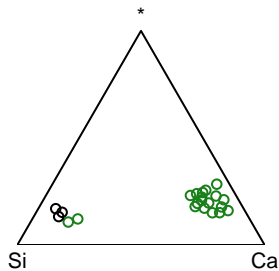
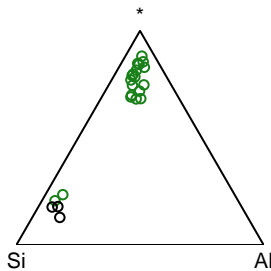
## Si



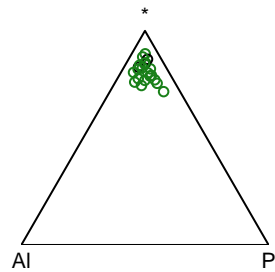
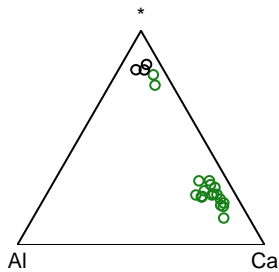
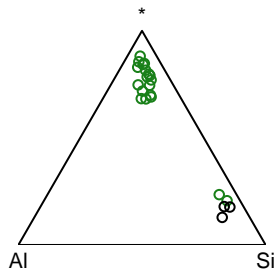
S

# Si, Al, Ca, P

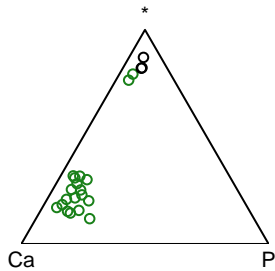
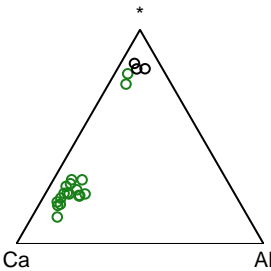
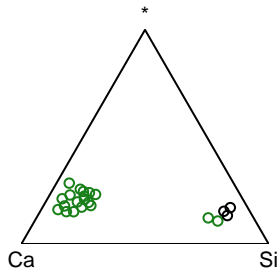
Si



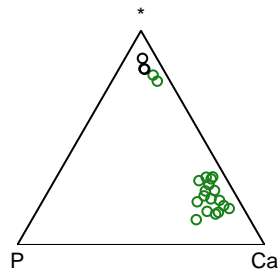
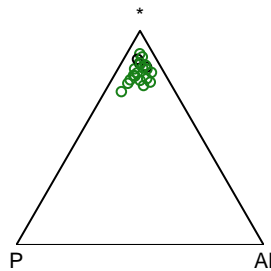
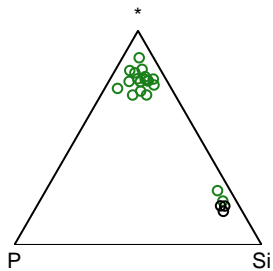
Al



Ca



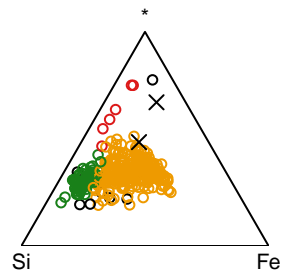
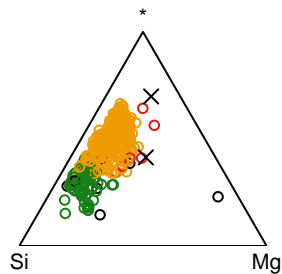
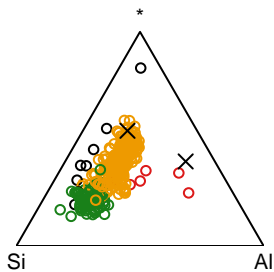
P



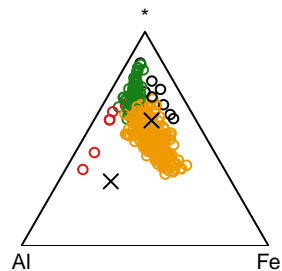
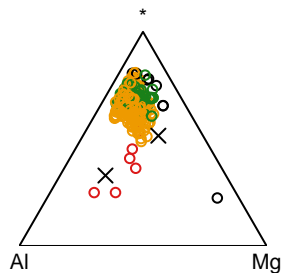
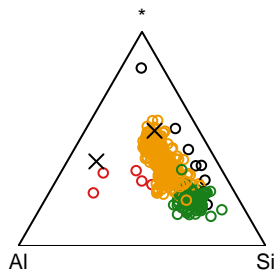


# Si, Al, Mg, Fe

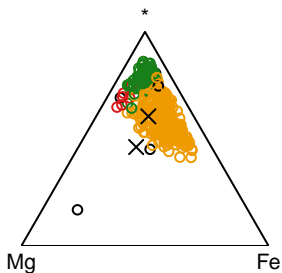
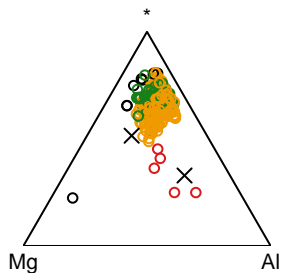
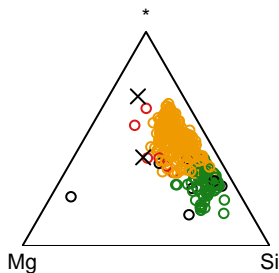
Si



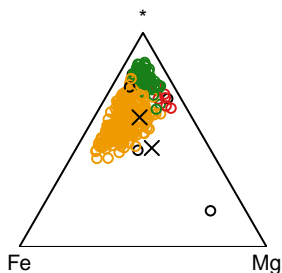
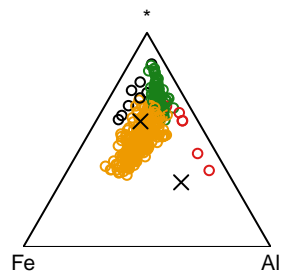
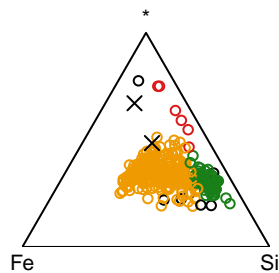
Al



Mg

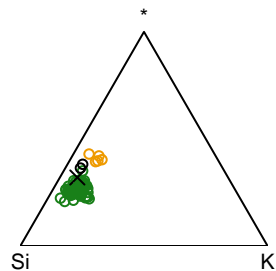
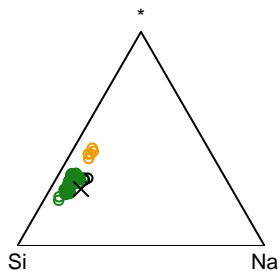
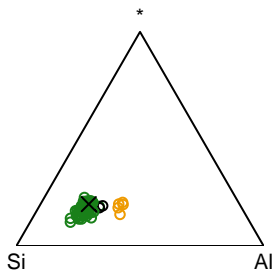


Fe

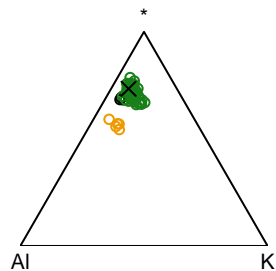
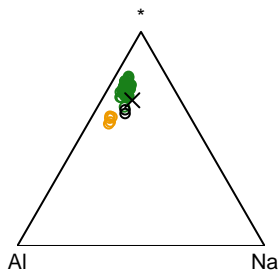
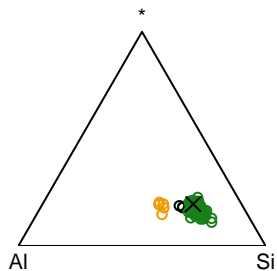


# Si, Al, Na, K

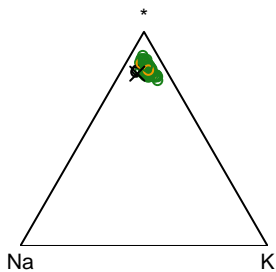
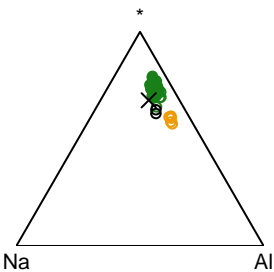
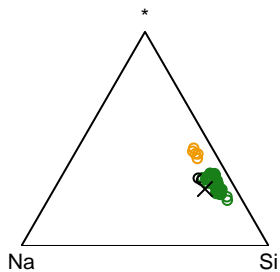
Si



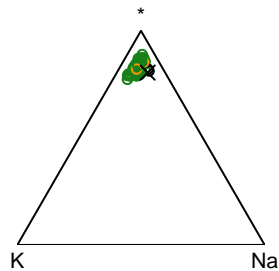
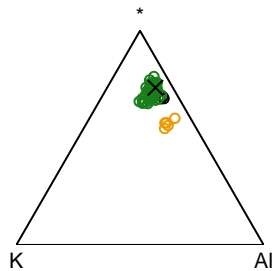
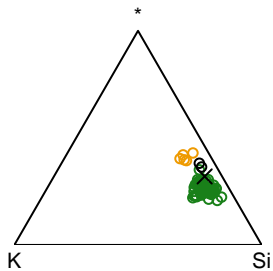
Al



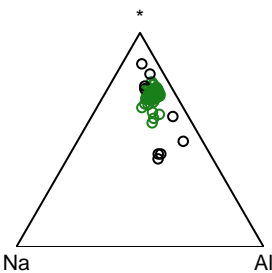
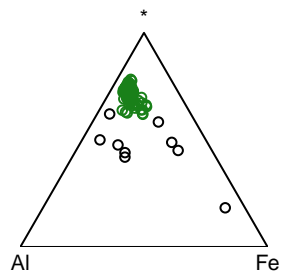
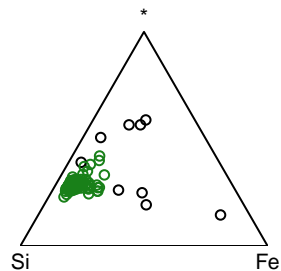
Na



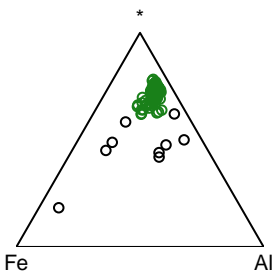
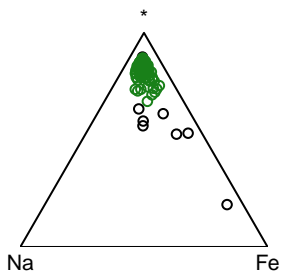
K



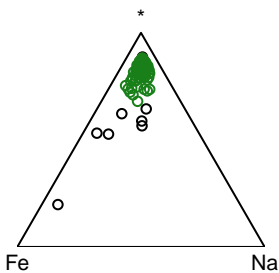
## Si



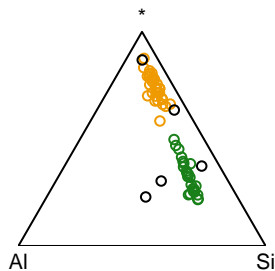
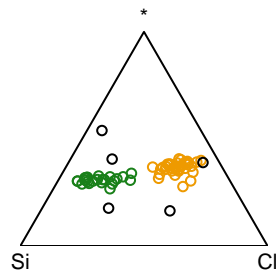
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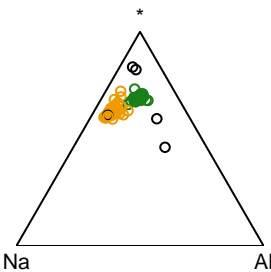
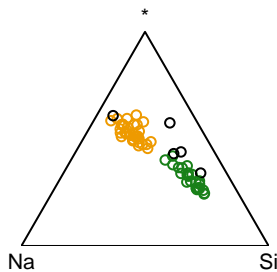
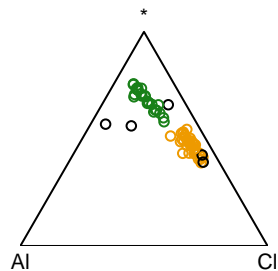
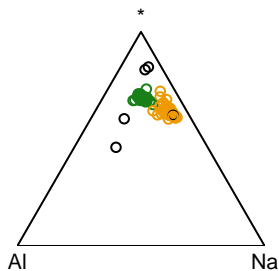
## Fe



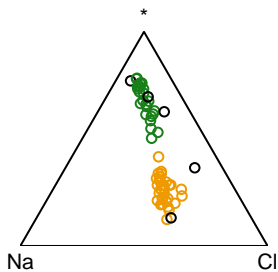
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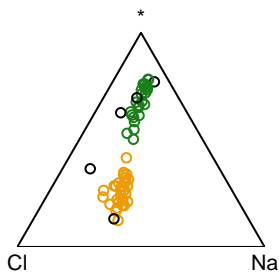
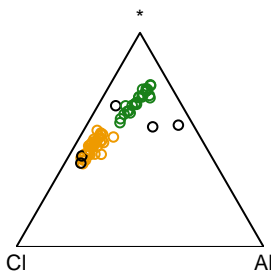
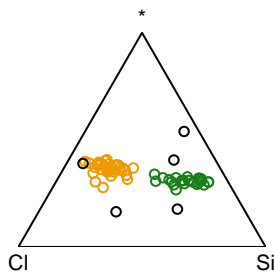
Al



Na

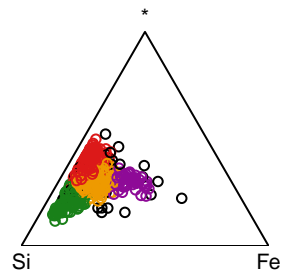
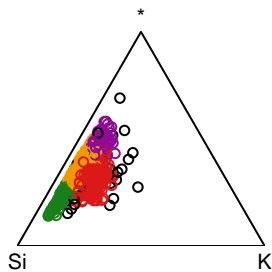
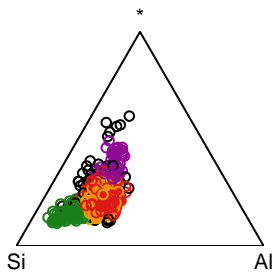


Cl

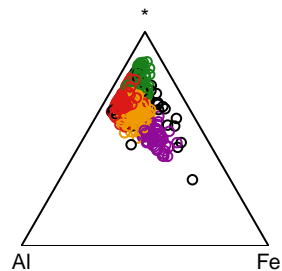
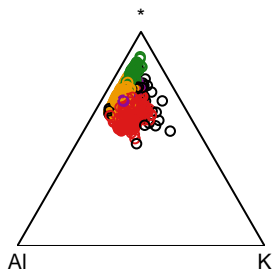
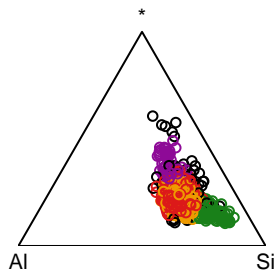


# Si, Al, K, Fe

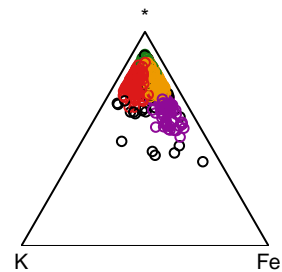
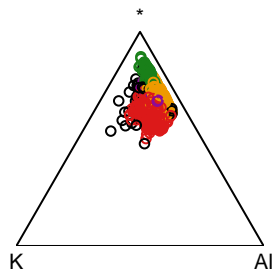
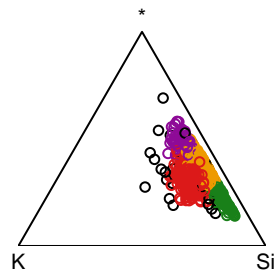
Si



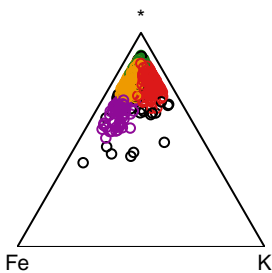
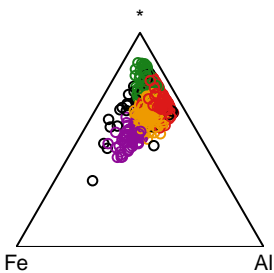
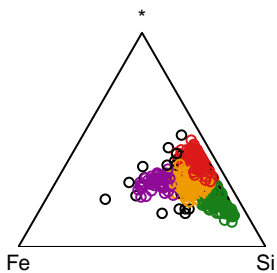
Al



K

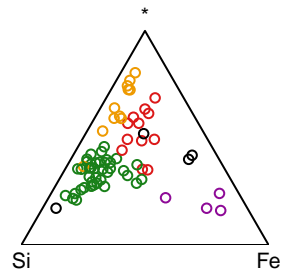
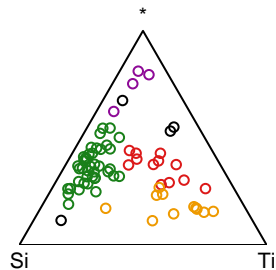
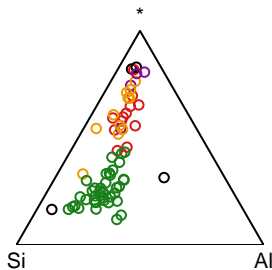


Fe

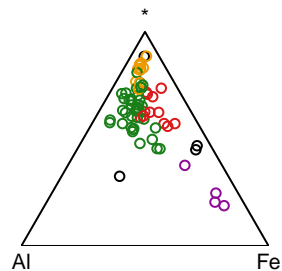
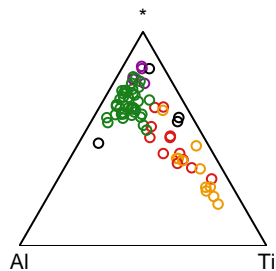
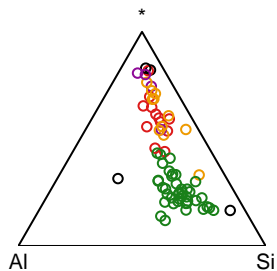


# Si, Al, Ti, Fe

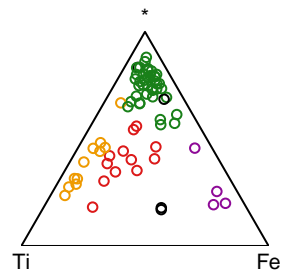
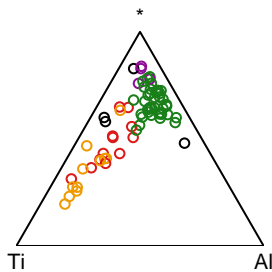
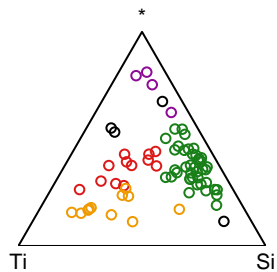
Si



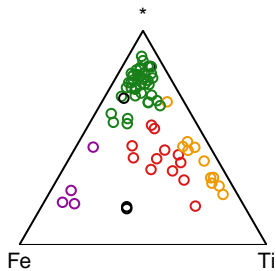
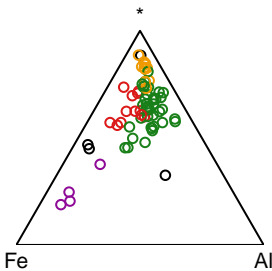
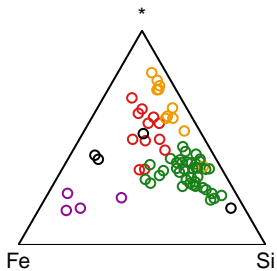
Al



Ti

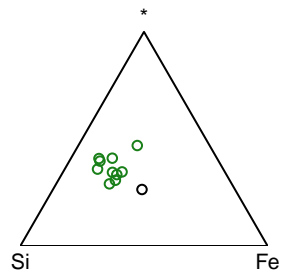
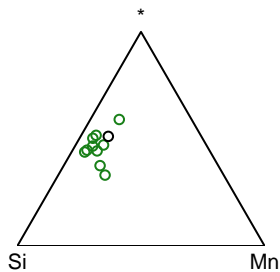
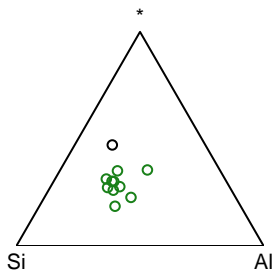


Fe

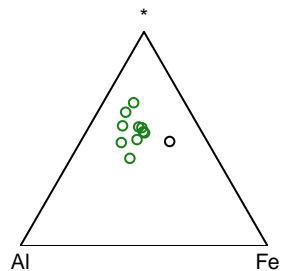
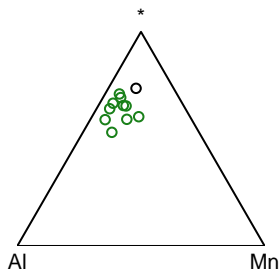
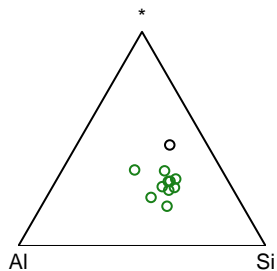


# Si, Al, Mn, Fe

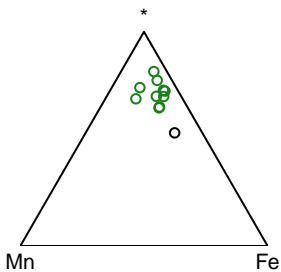
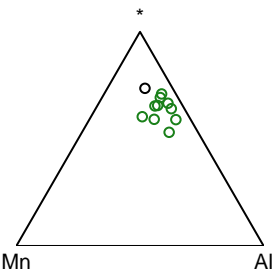
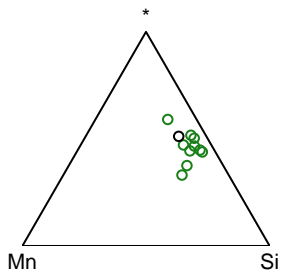
Si



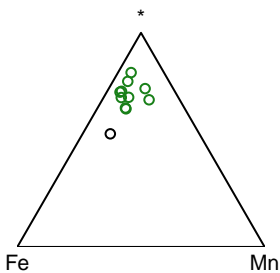
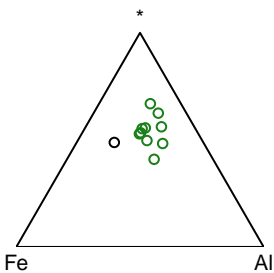
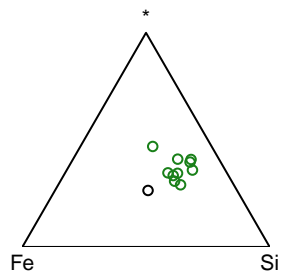
Al



Mn

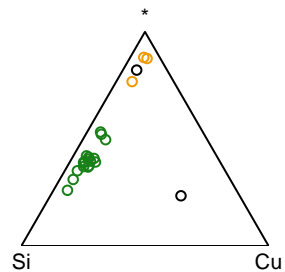
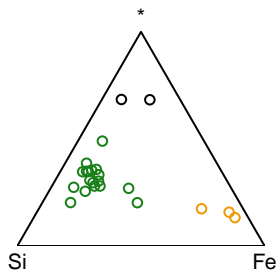
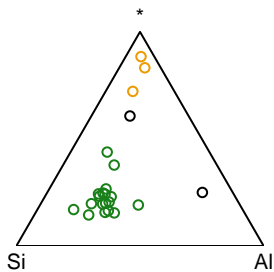


Fe

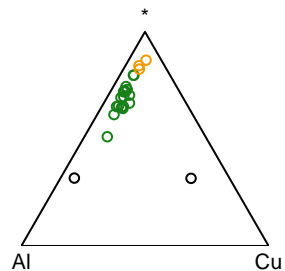
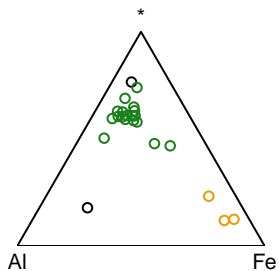
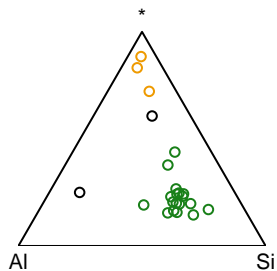


# Si, Al, Fe, Cu

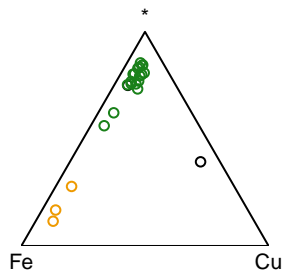
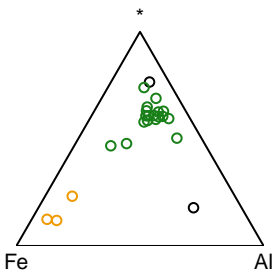
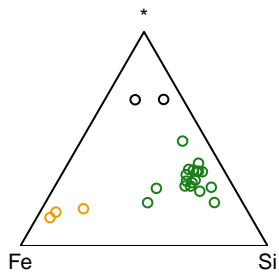
Si



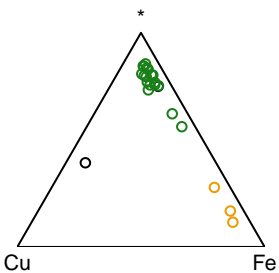
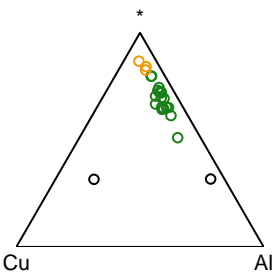
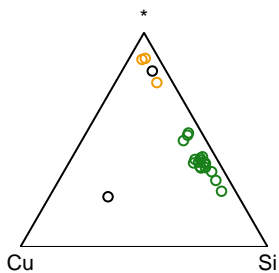
Al



Fe



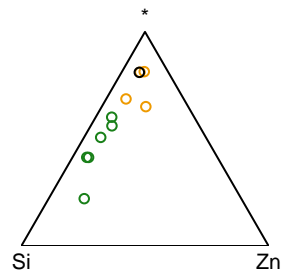
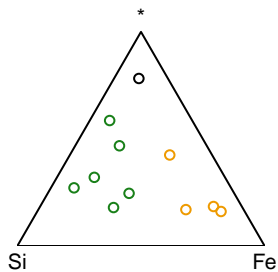
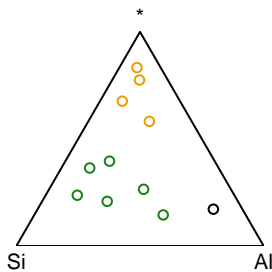
Cu



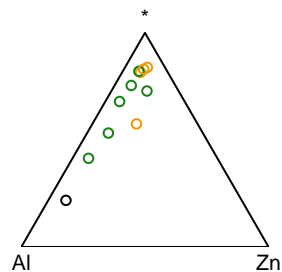
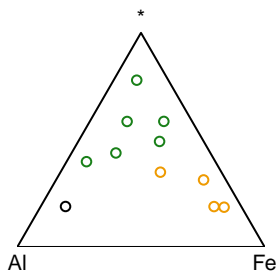
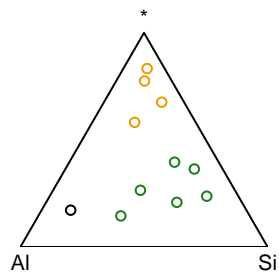


# Si, Al, Fe, Zn

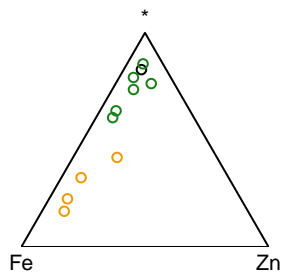
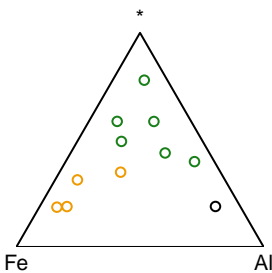
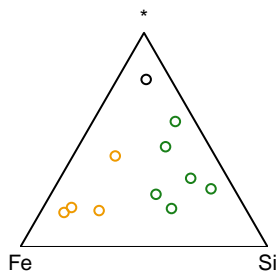
Si



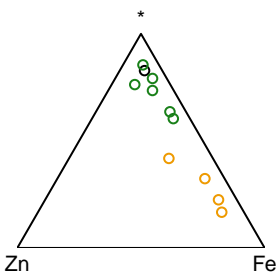
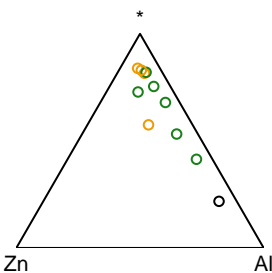
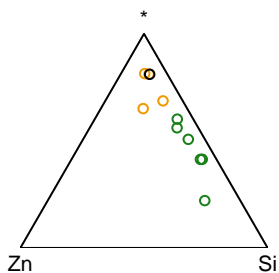
Al



Fe

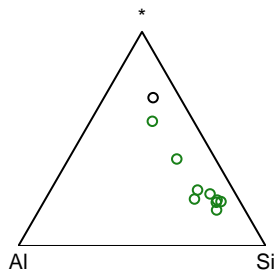
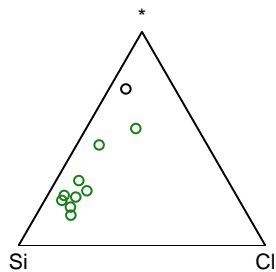
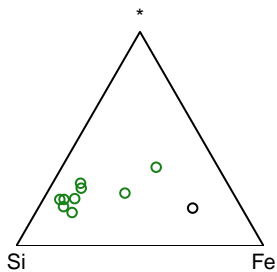
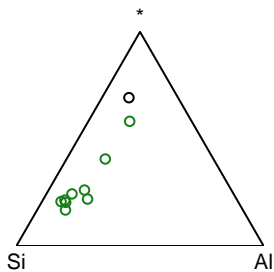


Zn

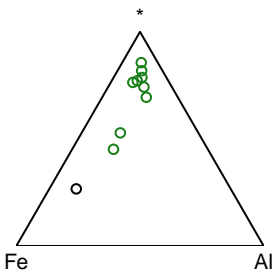
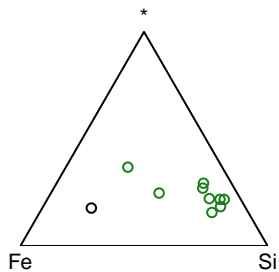
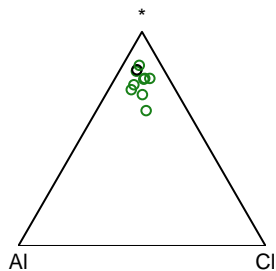
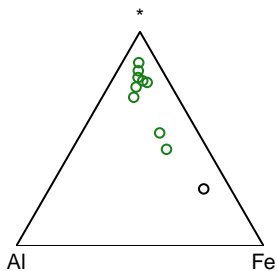


# Si, Al, Fe, Cl

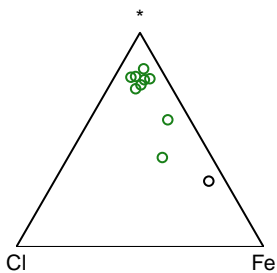
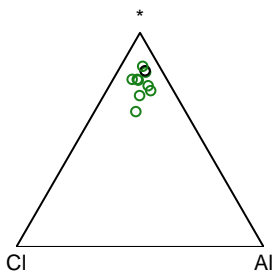
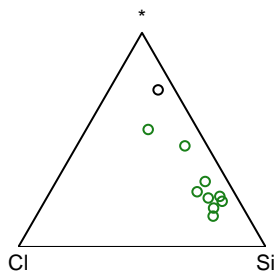
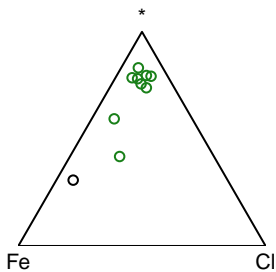
Si



Al



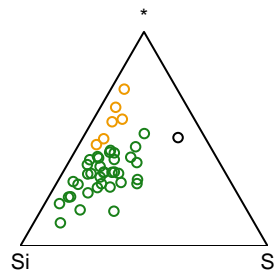
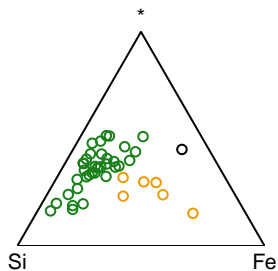
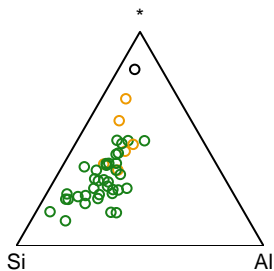
Fe



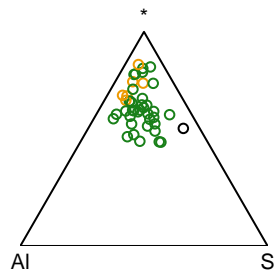
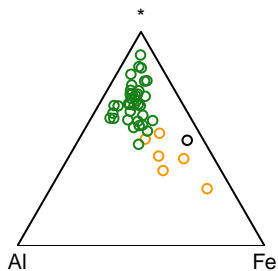
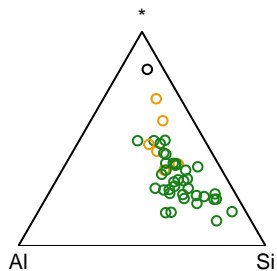
Cl

# Si, Al, Fe, S

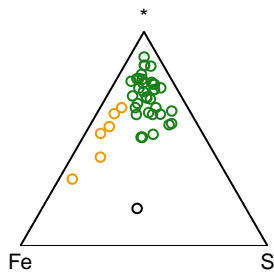
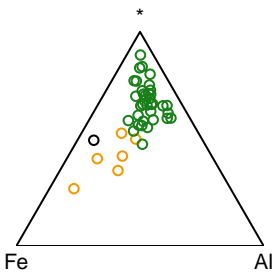
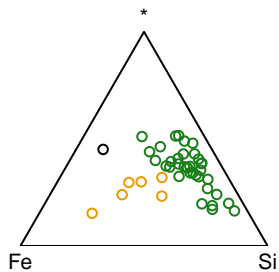
Si



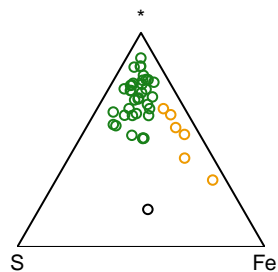
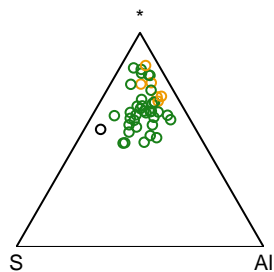
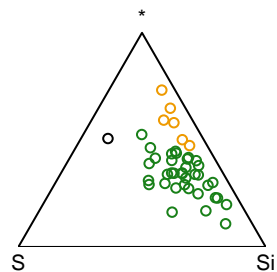
Al



Fe

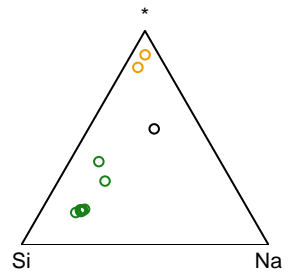
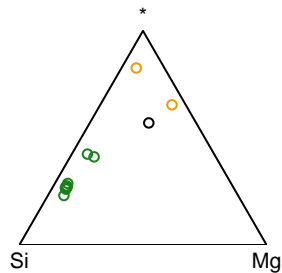
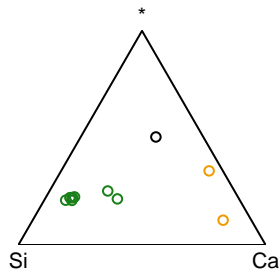


S

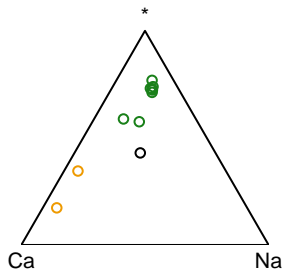
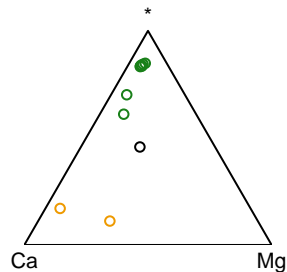
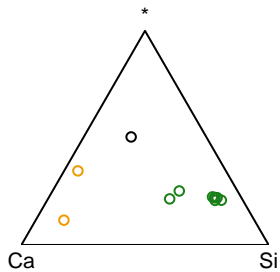


# Si, Ca, Mg, Na

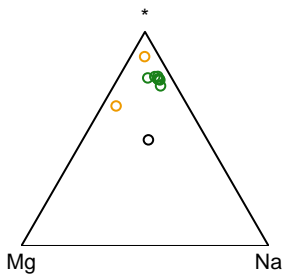
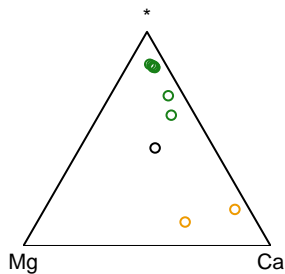
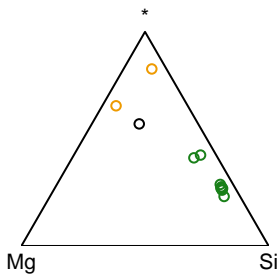
Si



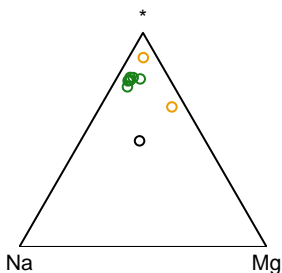
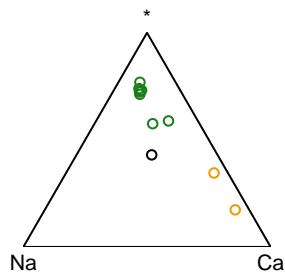
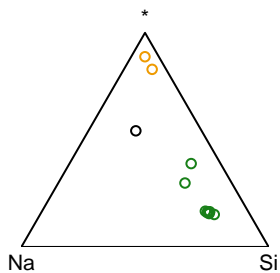
Ca



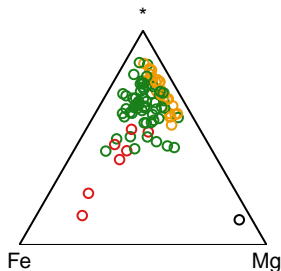
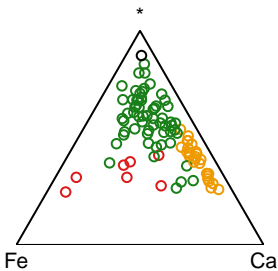
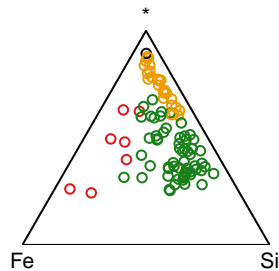
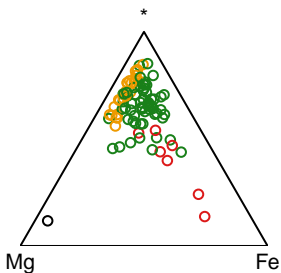
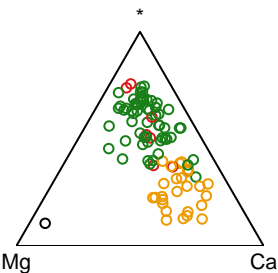
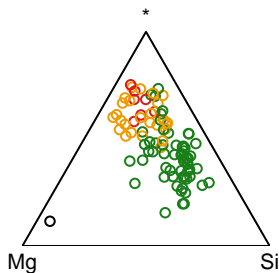
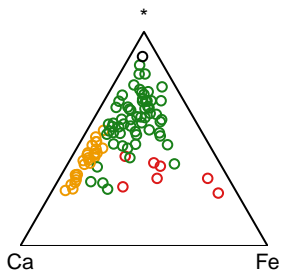
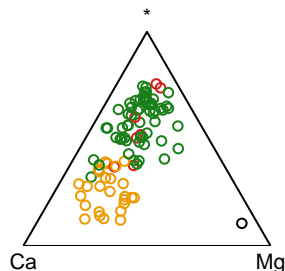
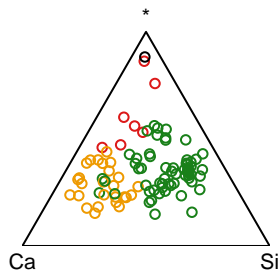
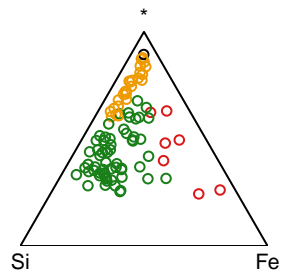
Mg



Na



## Si

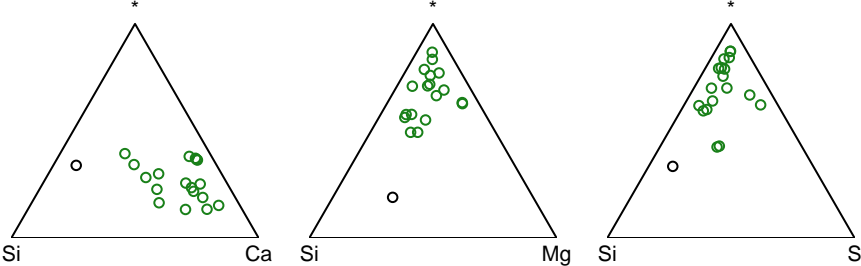


Mg

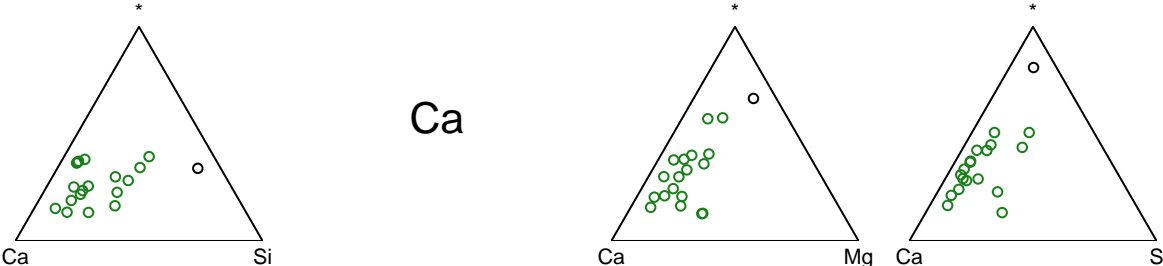
Fe

Si, Ca, Mg, S

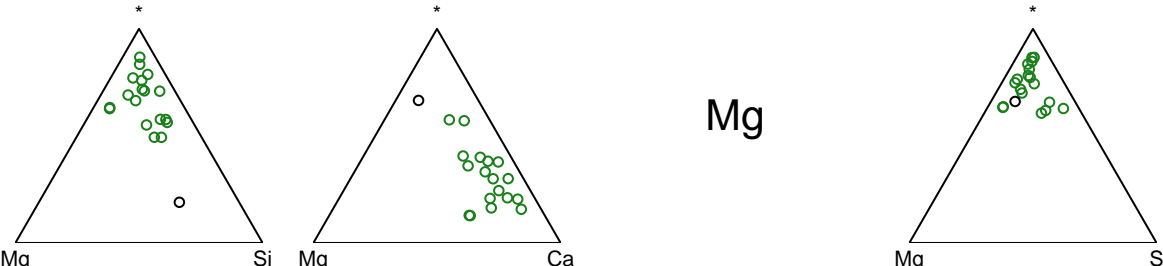
Si



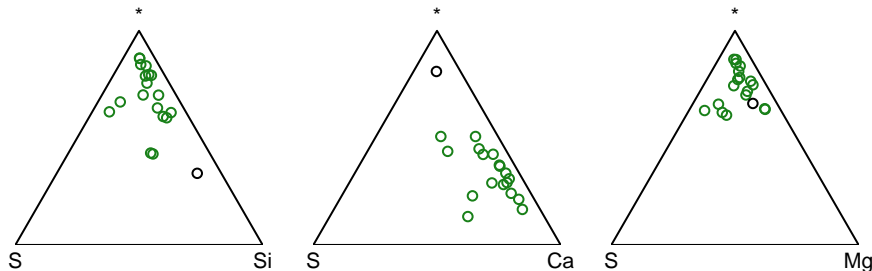
Ca



Mg

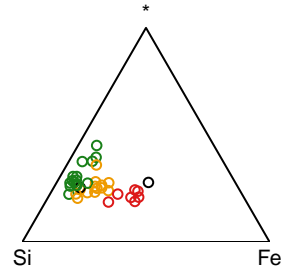
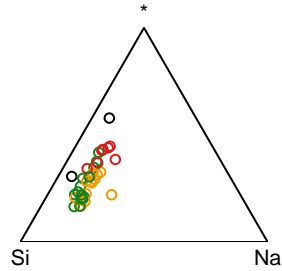
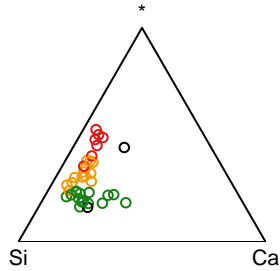


S

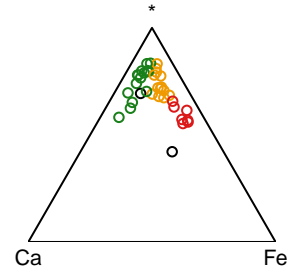
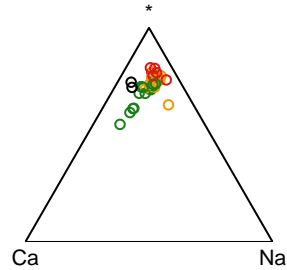
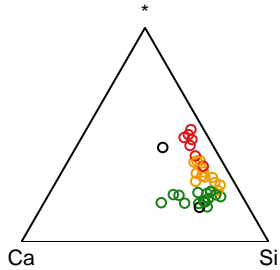


# Si, Ca, Na, Fe

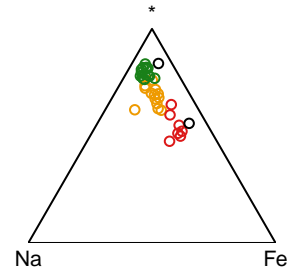
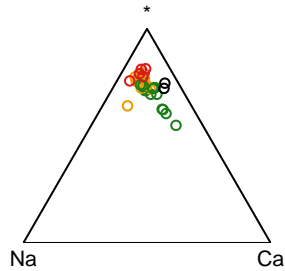
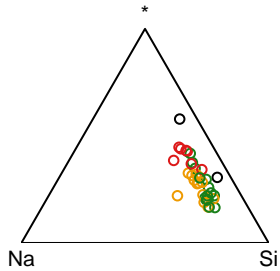
Si



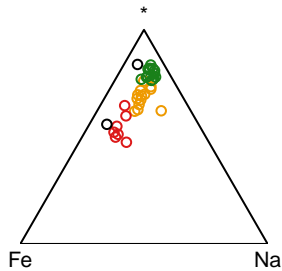
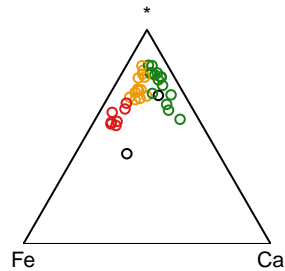
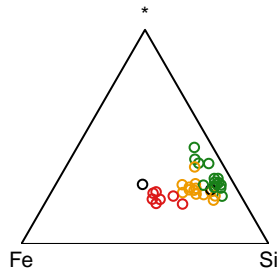
Ca



Na

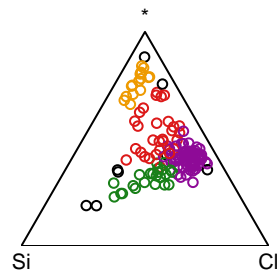
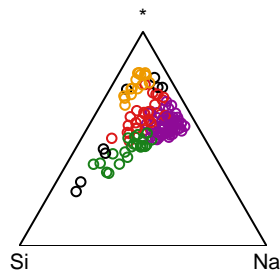
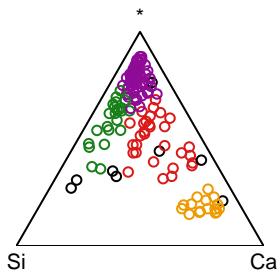


Fe

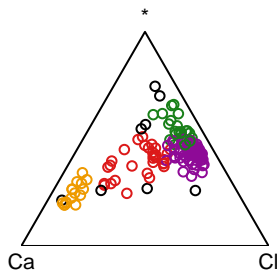
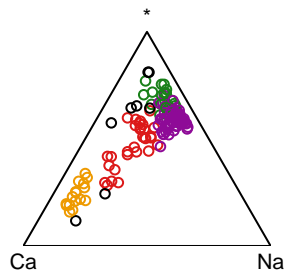
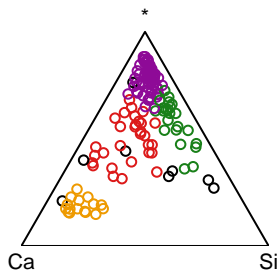


# Si, Ca, Na, Cl

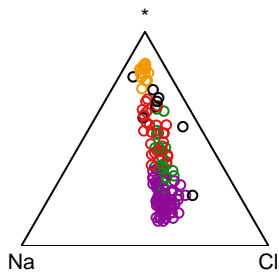
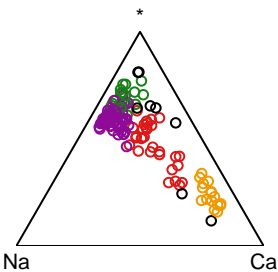
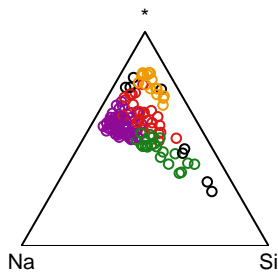
Si



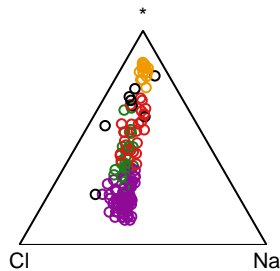
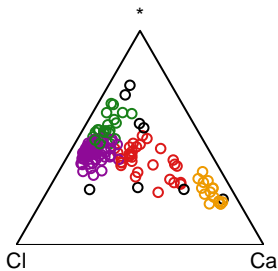
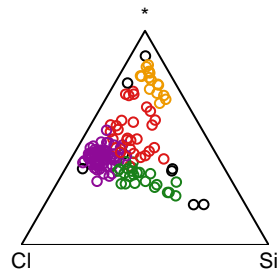
Ca



Na



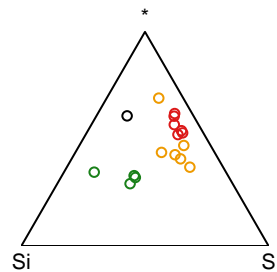
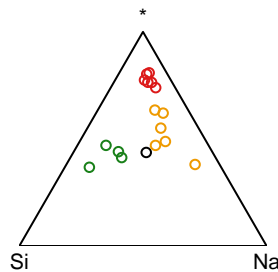
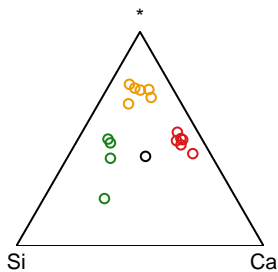
Cl



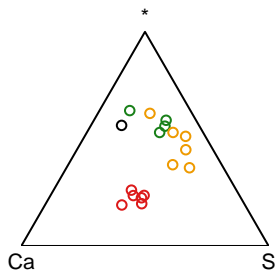
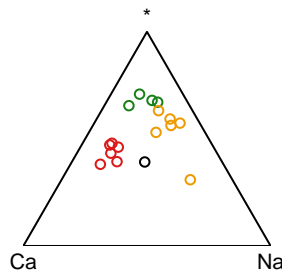
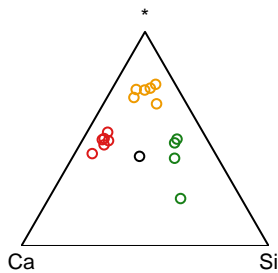


# Si, Ca, Na, S

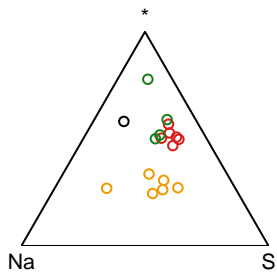
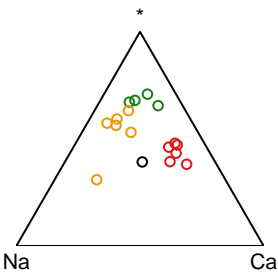
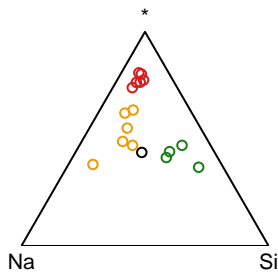
Si



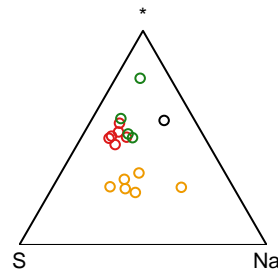
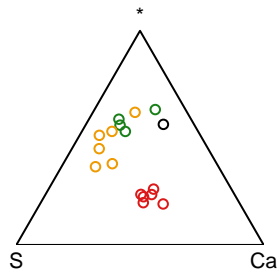
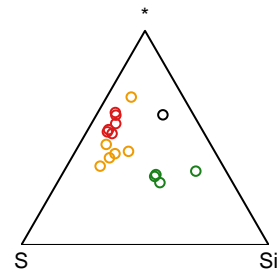
Ca



Na

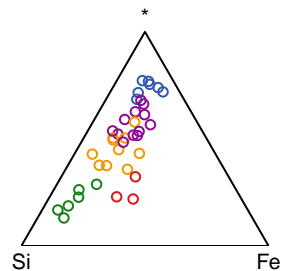
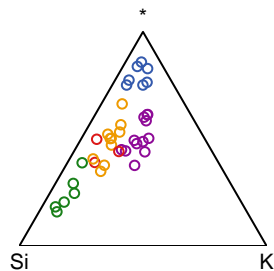
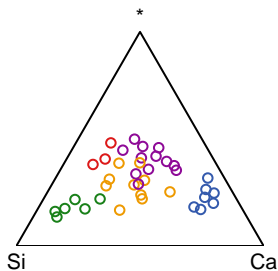


S

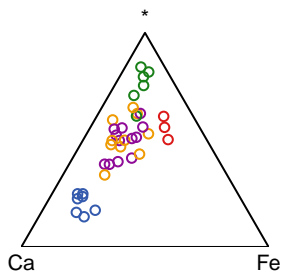
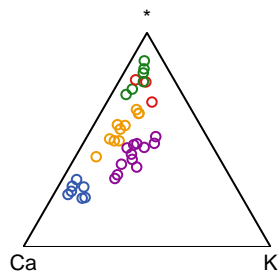
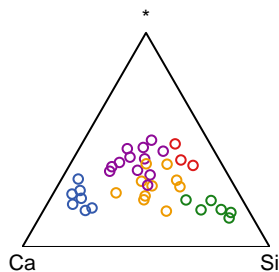


# Si, Ca, K, Fe

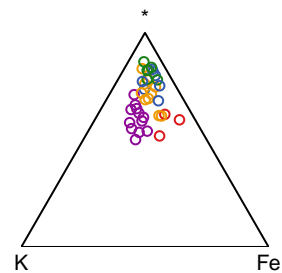
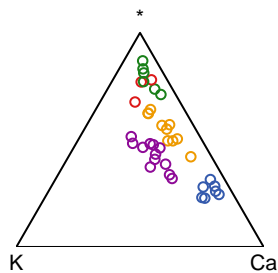
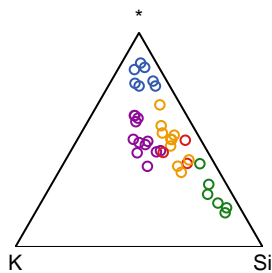
Si



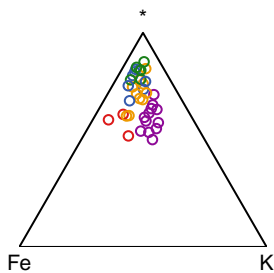
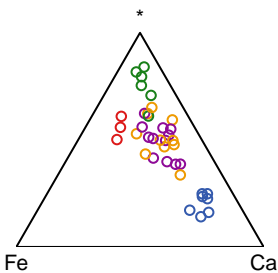
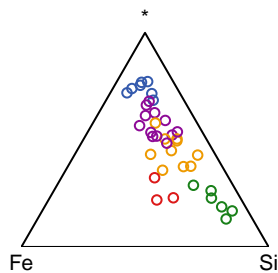
Ca



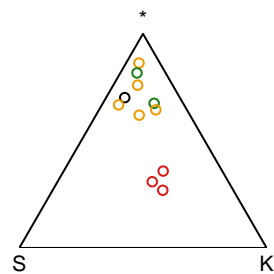
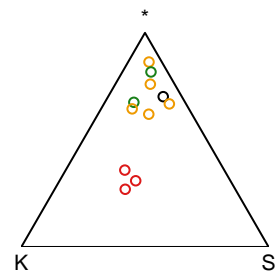
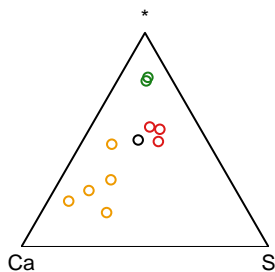
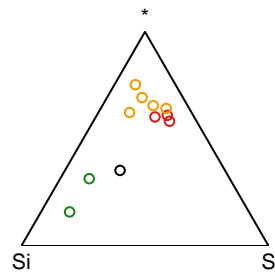
K



Fe



## Si

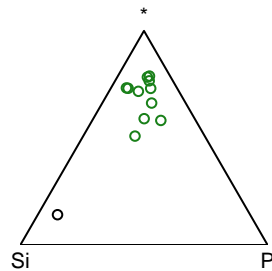
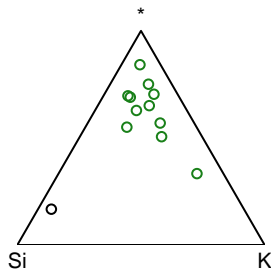
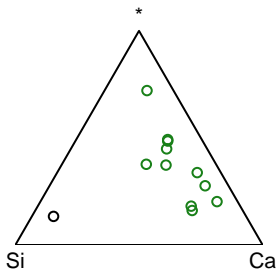


**K**

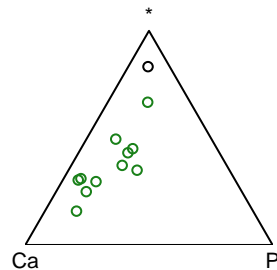
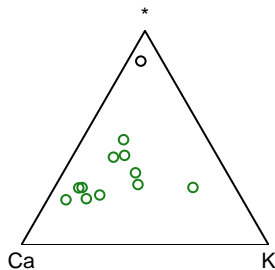
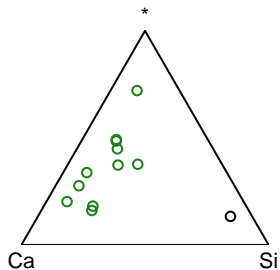
S

# Si, Ca, K, P

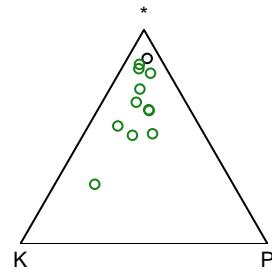
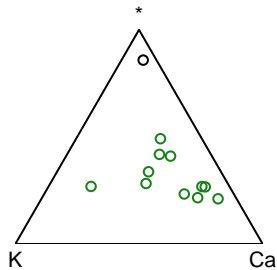
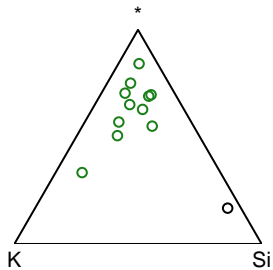
Si



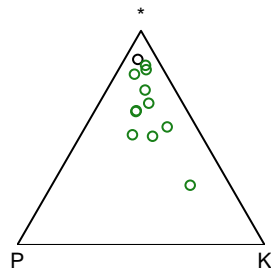
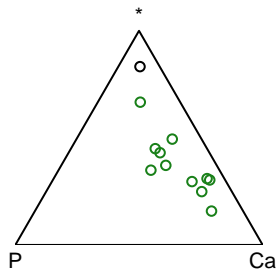
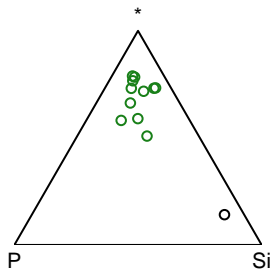
Ca



K

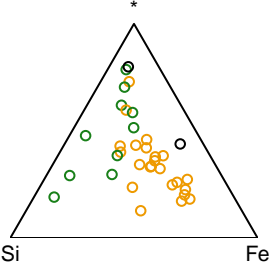
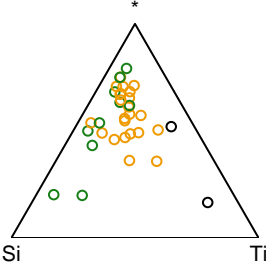
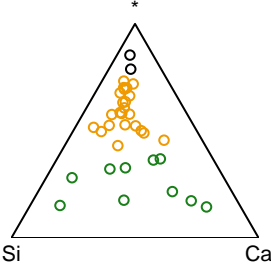


P

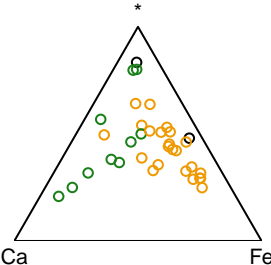
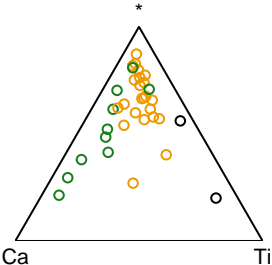
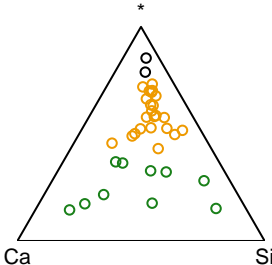


Si, Ca, Ti, Fe

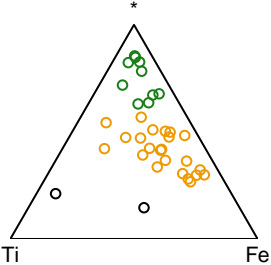
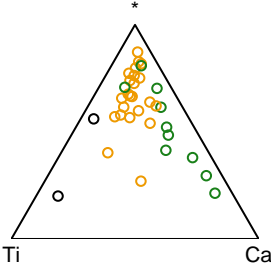
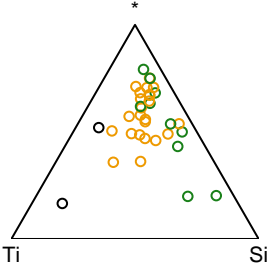
Si



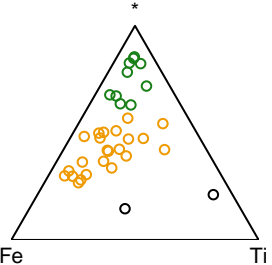
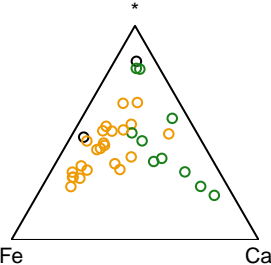
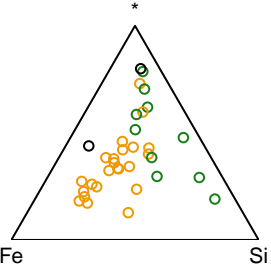
Ca



Ti

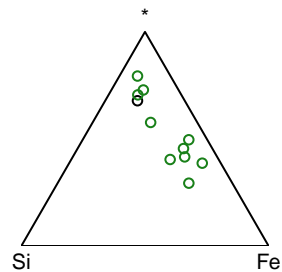
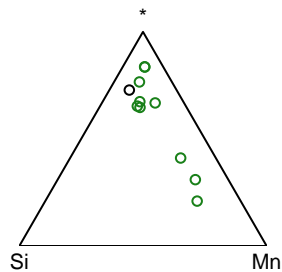
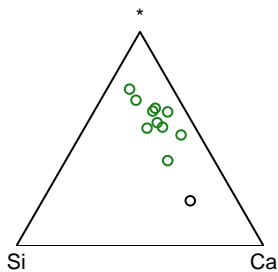


Fe

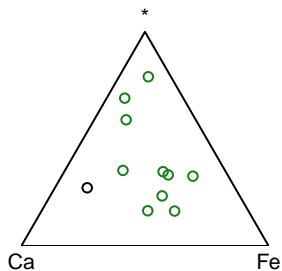
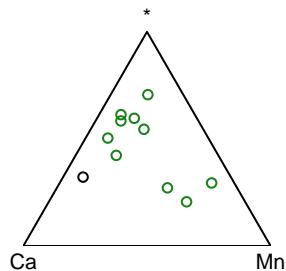
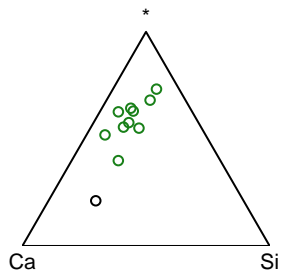


# Si, Ca, Mn, Fe

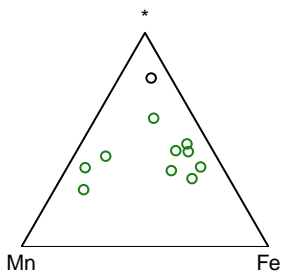
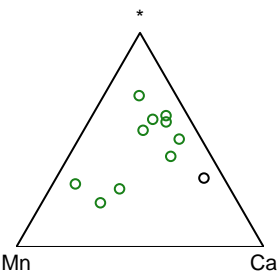
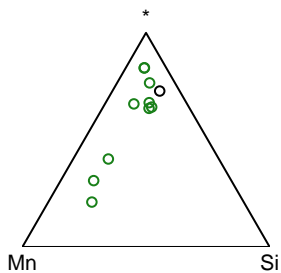
Si



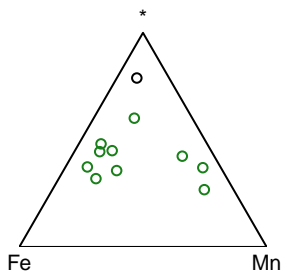
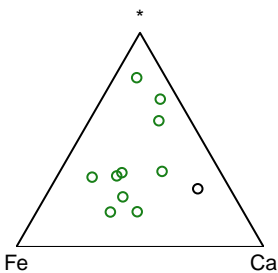
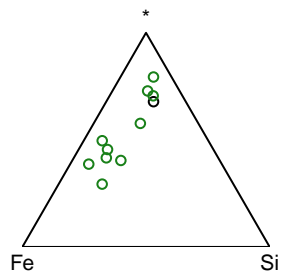
Ca



Mn

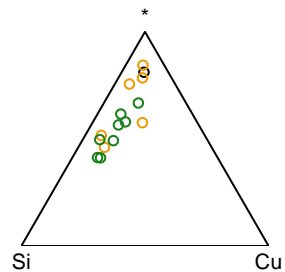
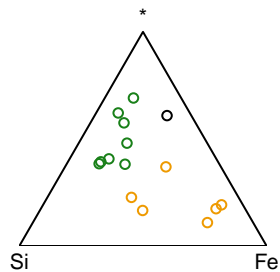
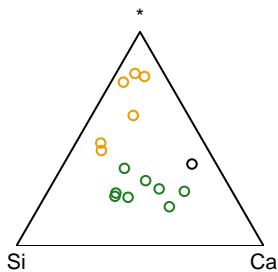


Fe

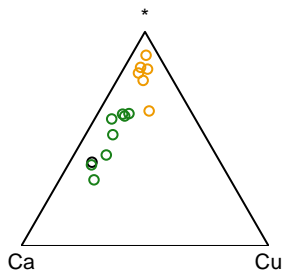
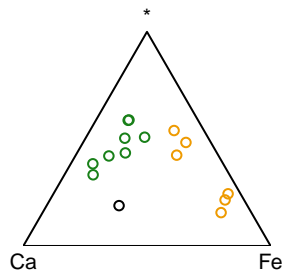
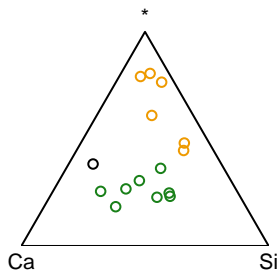


# Si, Ca, Fe, Cu

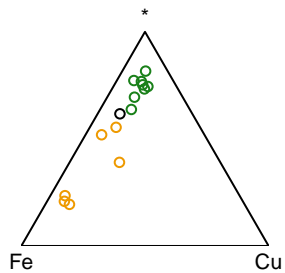
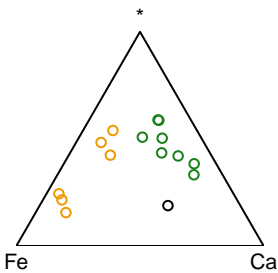
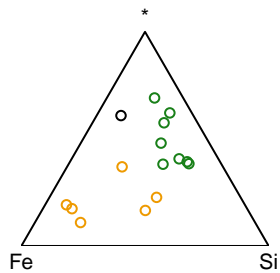
Si



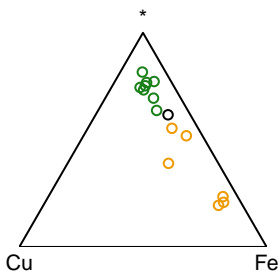
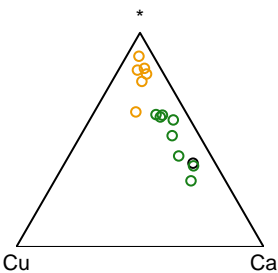
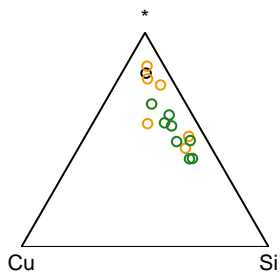
Ca



Fe

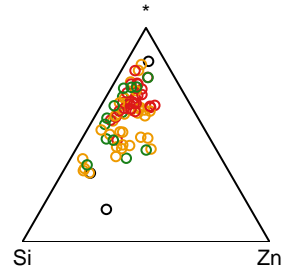
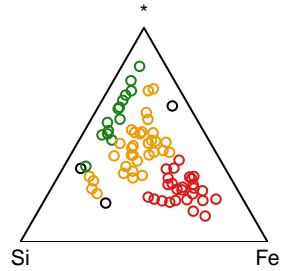
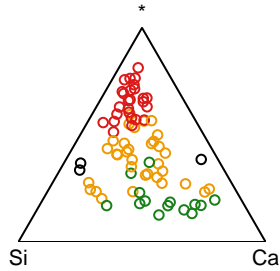


Cu

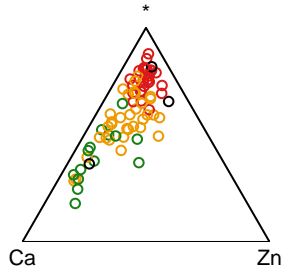
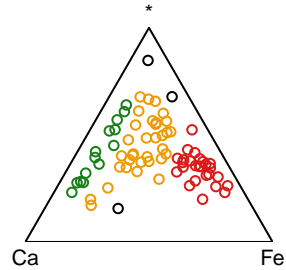
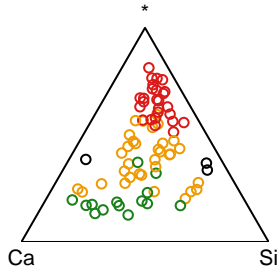


# Si, Ca, Fe, Zn

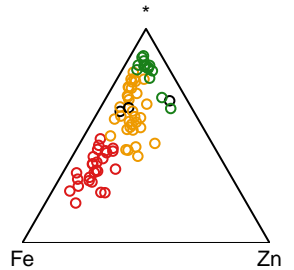
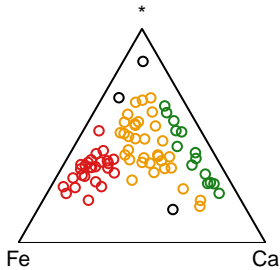
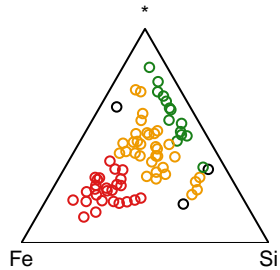
Si



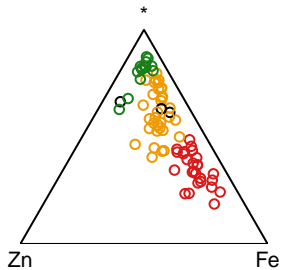
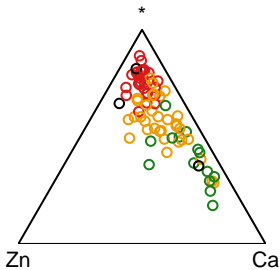
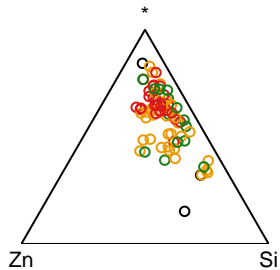
Ca



Fe



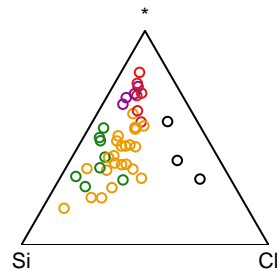
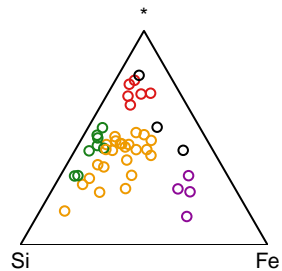
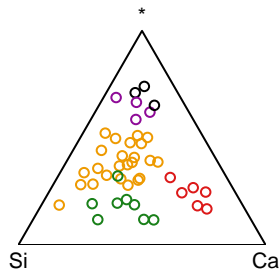
Zn



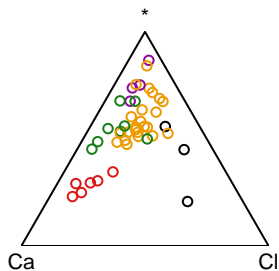
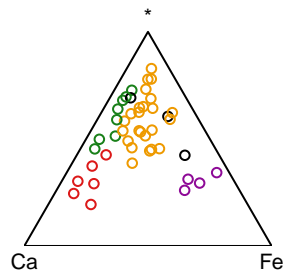
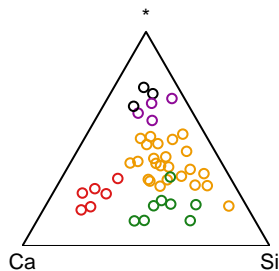


# Si, Ca, Fe, Cl

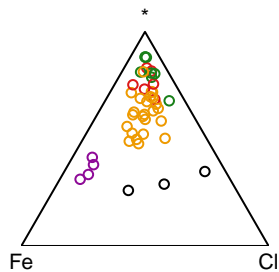
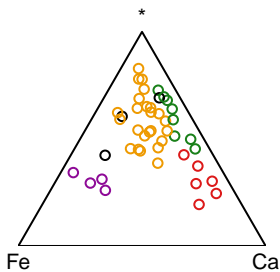
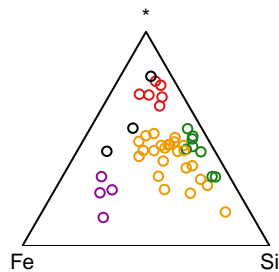
Si



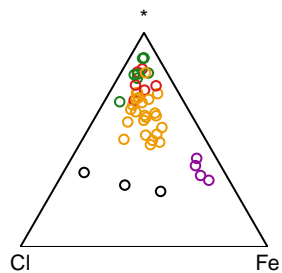
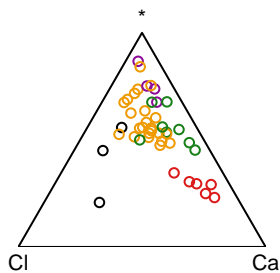
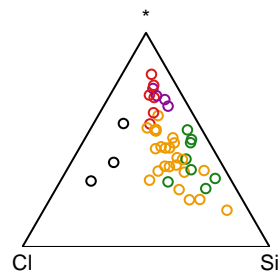
Ca



Fe

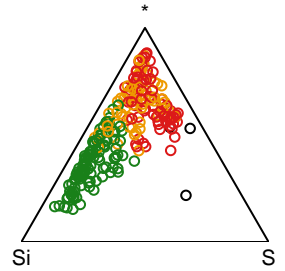
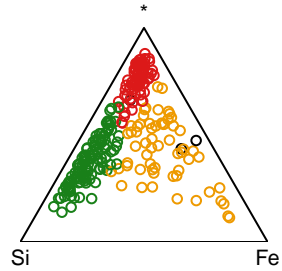
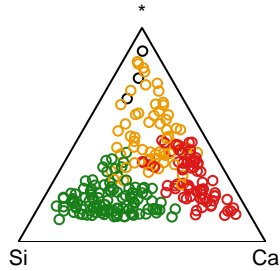


Cl

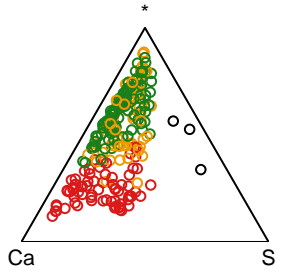
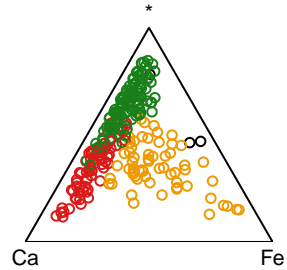
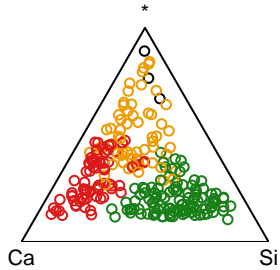


# Si, Ca, Fe, S

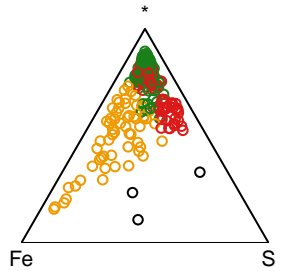
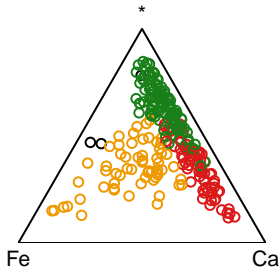
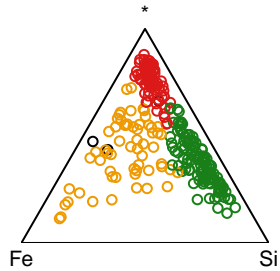
Si



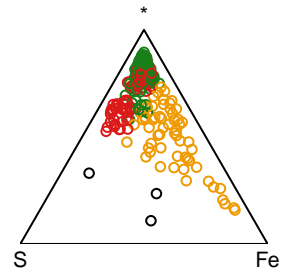
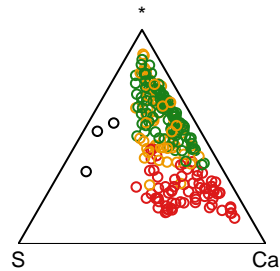
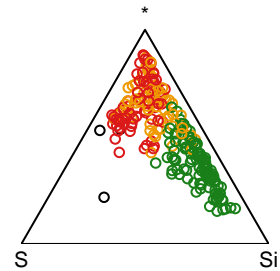
Ca



Fe

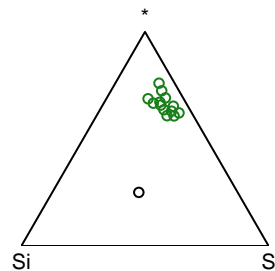
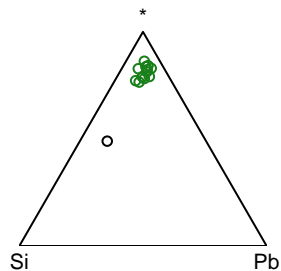
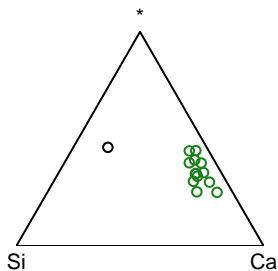


S

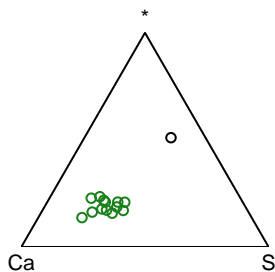
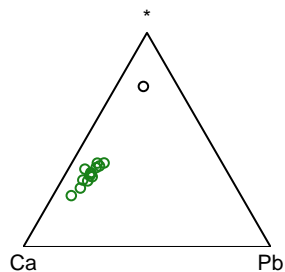
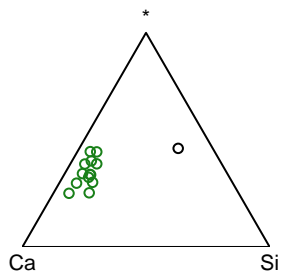


# Si, Ca, Pb, S

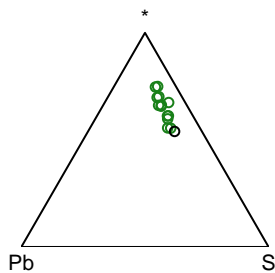
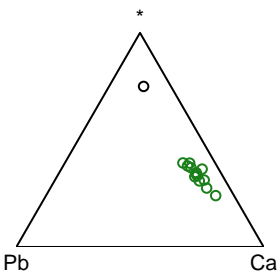
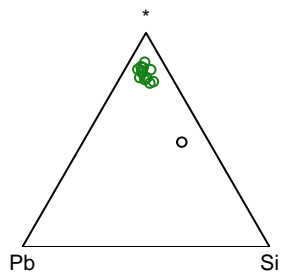
Si



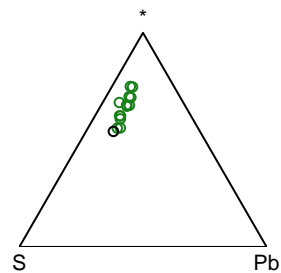
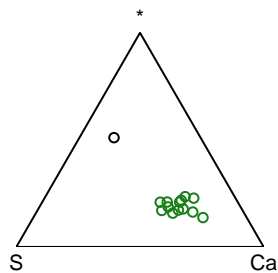
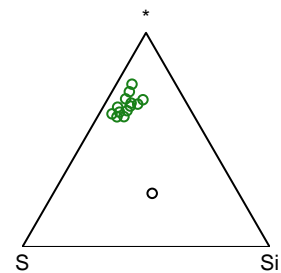
Ca



Pb

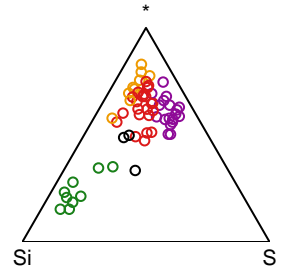
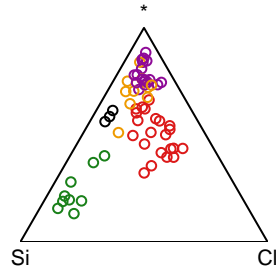
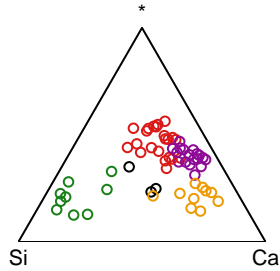


S

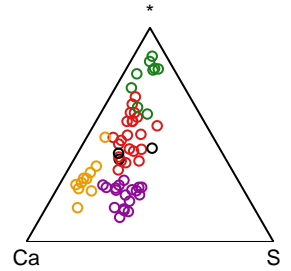
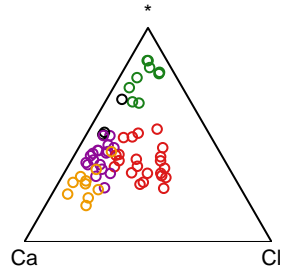
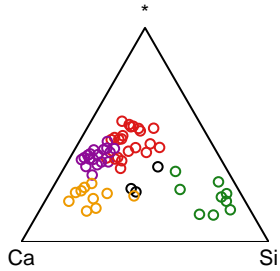


# Si, Ca, Cl, S

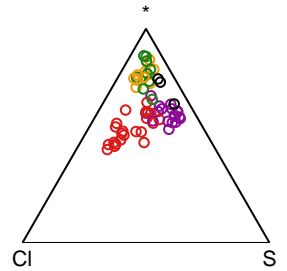
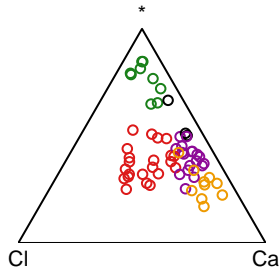
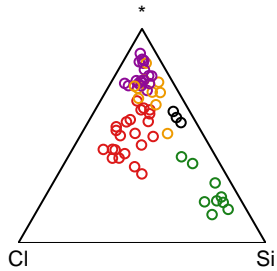
Si



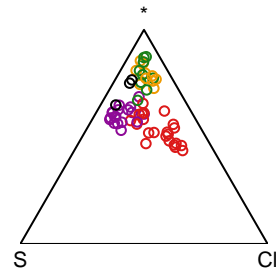
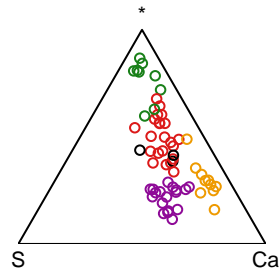
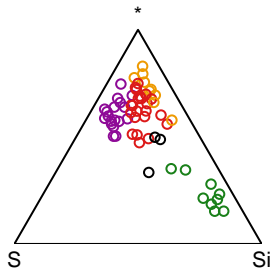
Ca



Cl

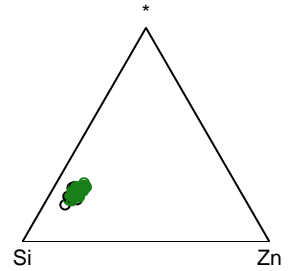
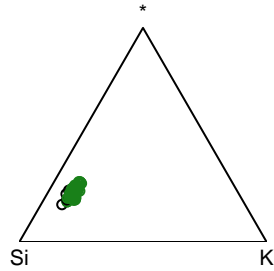
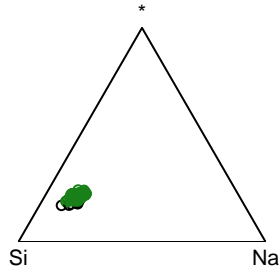


S

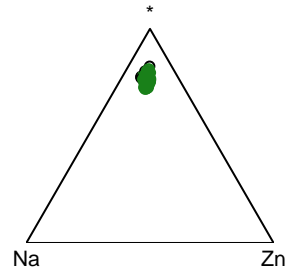
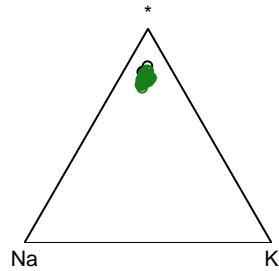
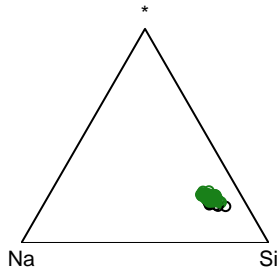


# Si, Na, K, Zn

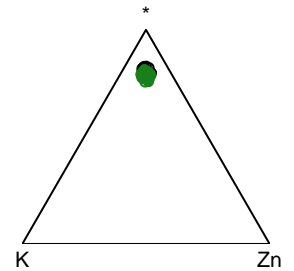
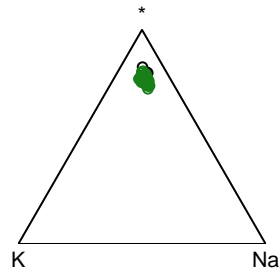
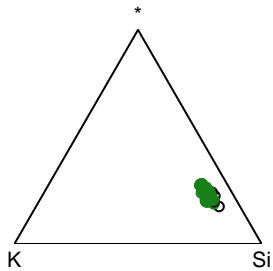
Si



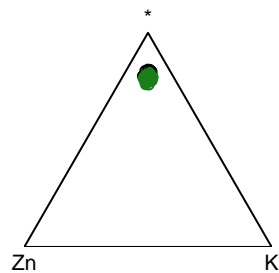
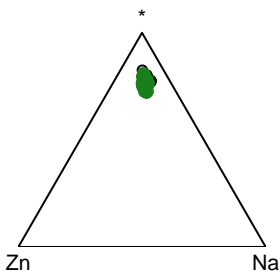
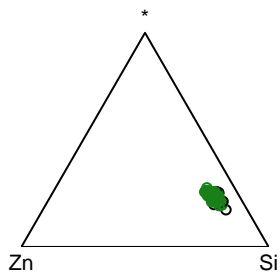
Na



K

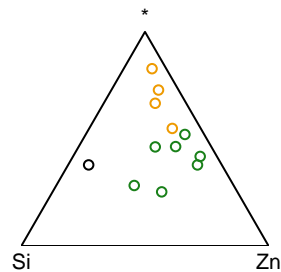
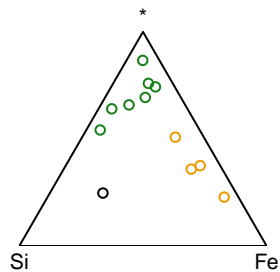
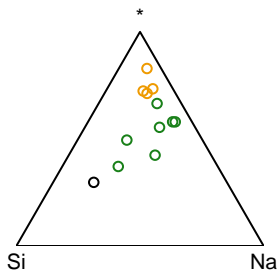


Zn

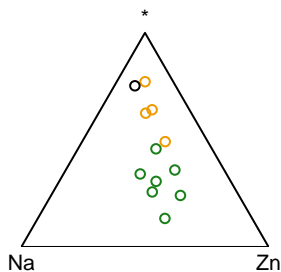
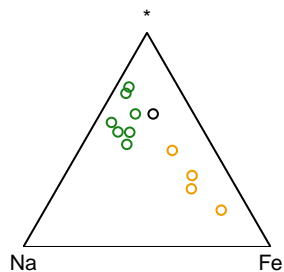
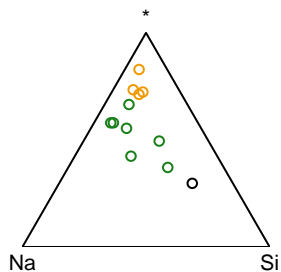


# Si, Na, Fe, Zn

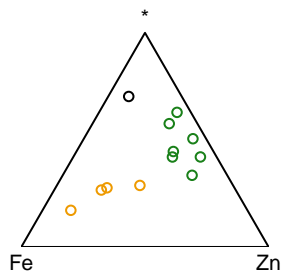
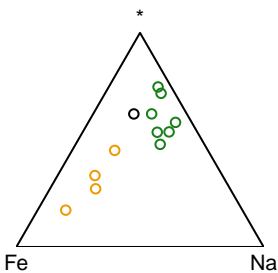
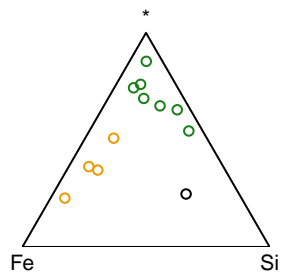
Si



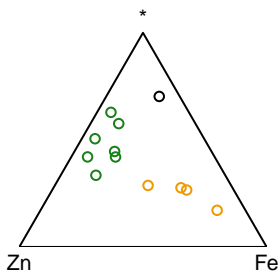
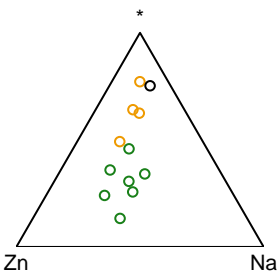
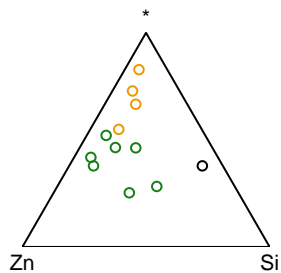
Na



Fe

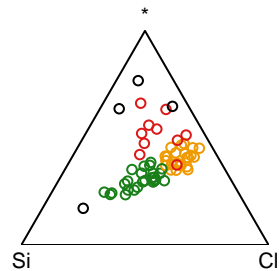
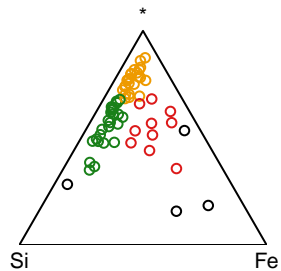
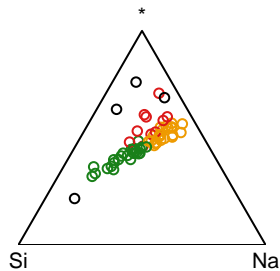


Zn

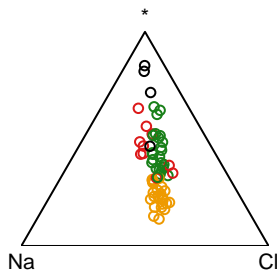
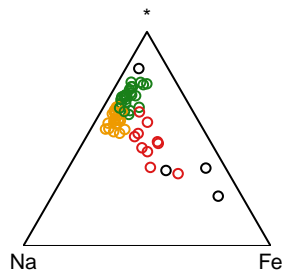
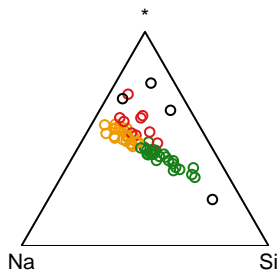


# Si, Na, Fe, Cl

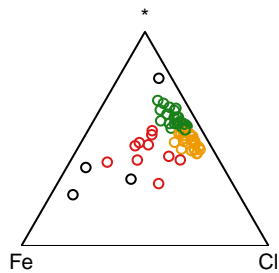
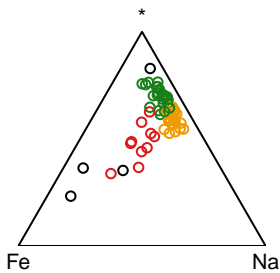
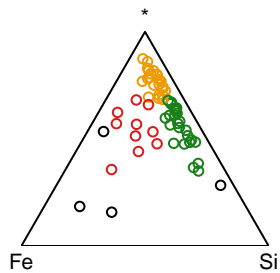
Si



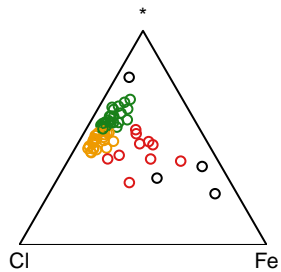
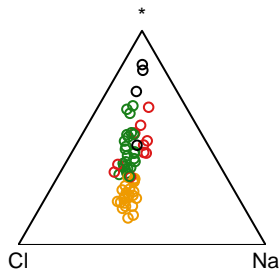
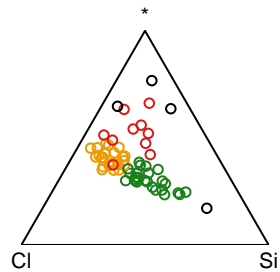
Na



Fe

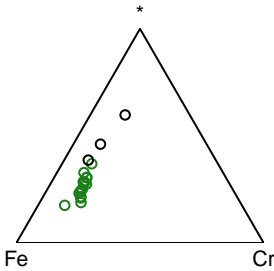
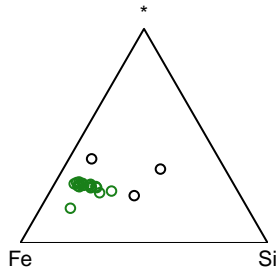
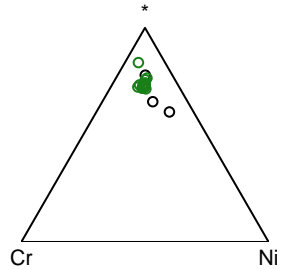
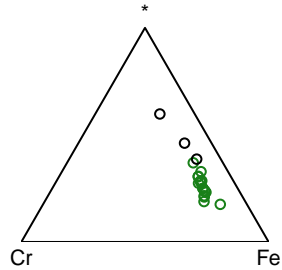
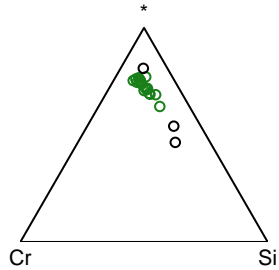
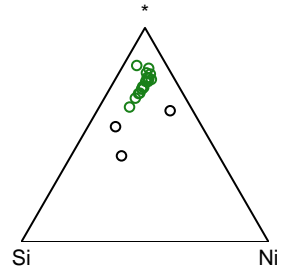
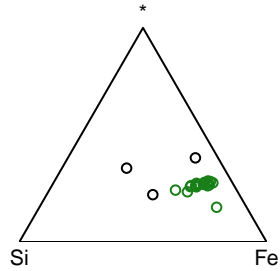
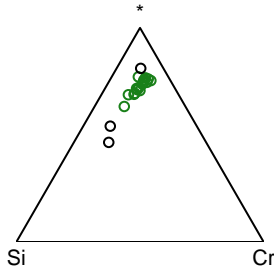


Cl

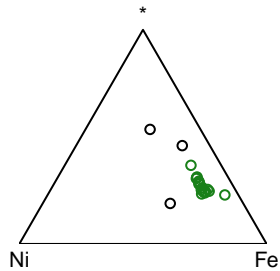
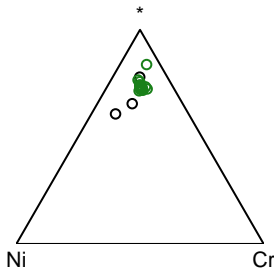
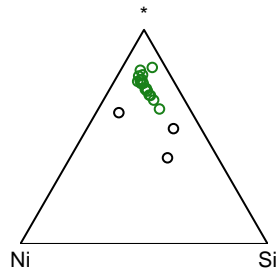
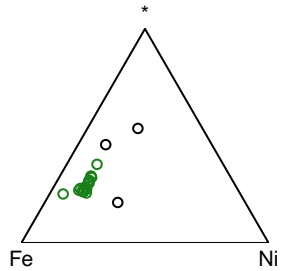


# Si, Cr, Fe, Ni

Si



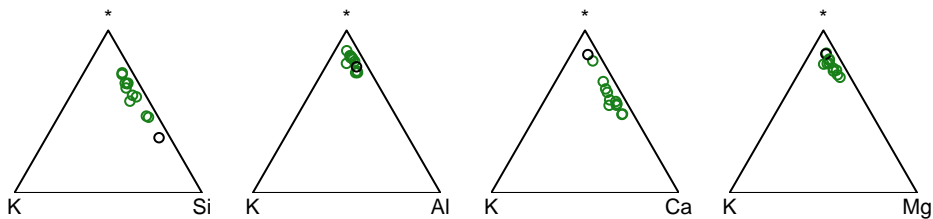
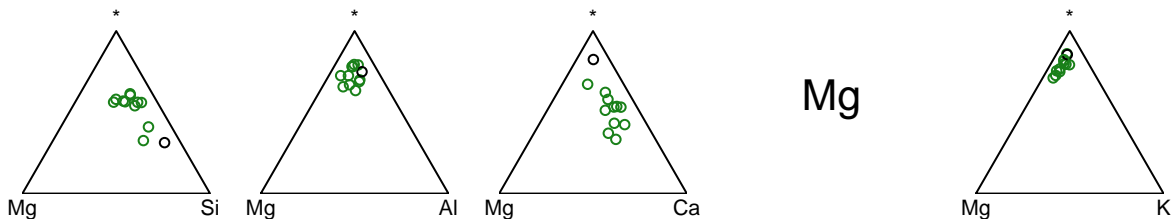
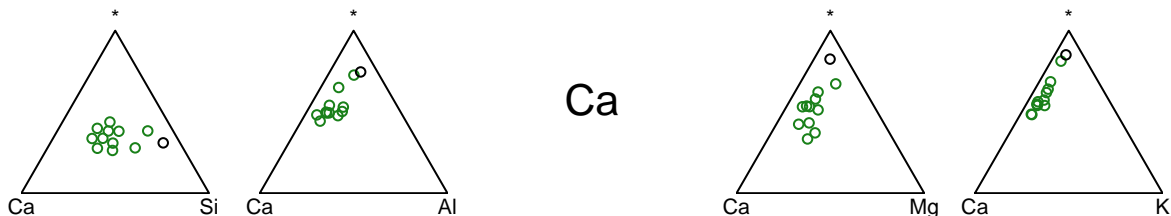
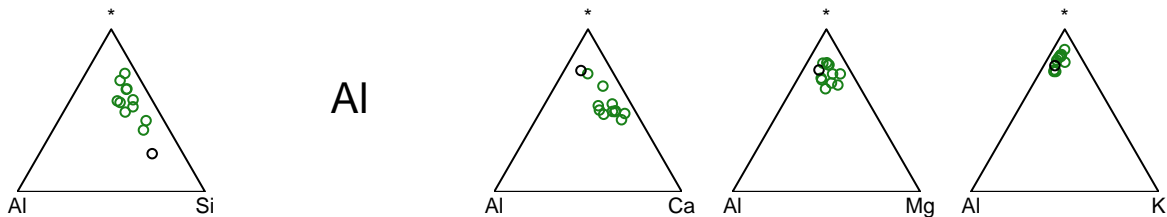
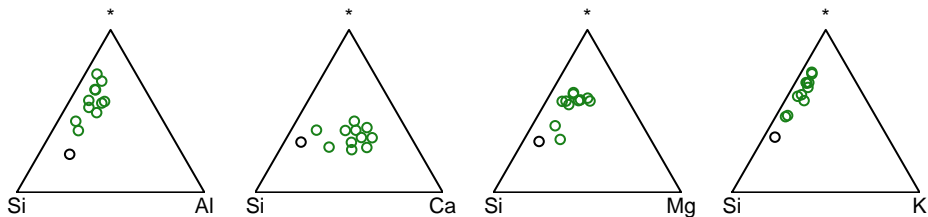
Fe



Ni

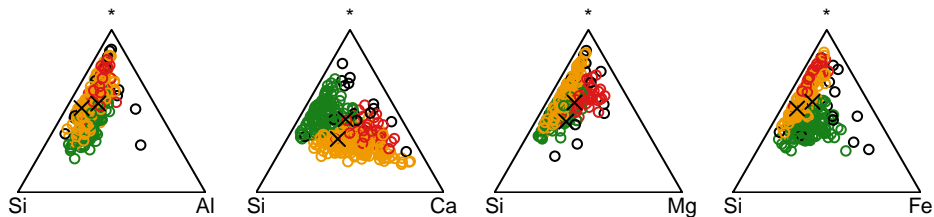


**Si, Al, Ca, Mg, K**

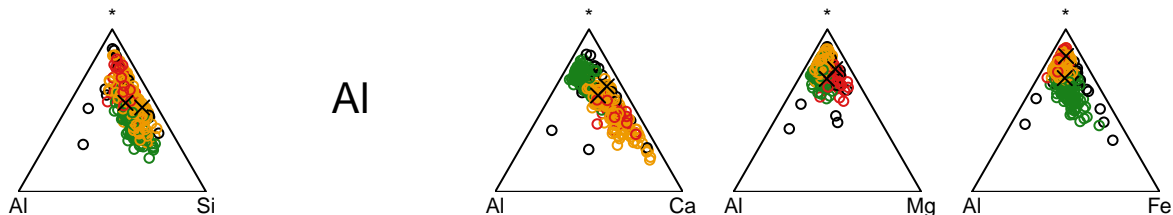


# Si, Al, Ca, Mg, Fe

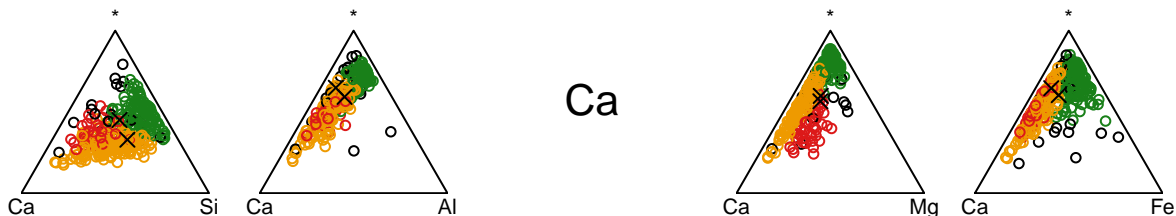
Si



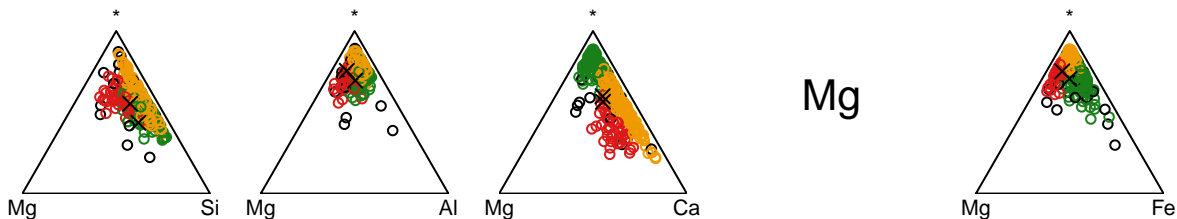
Al



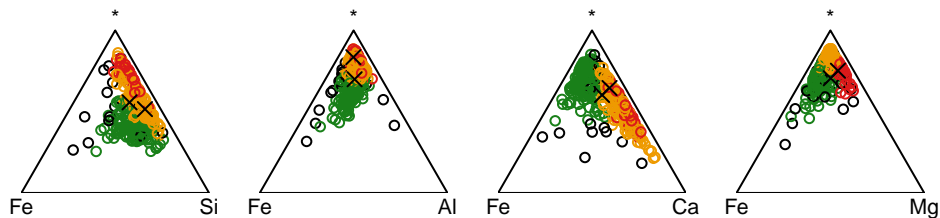
Ca



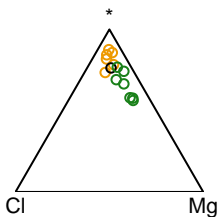
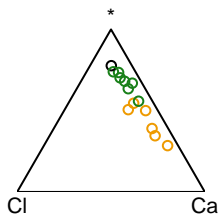
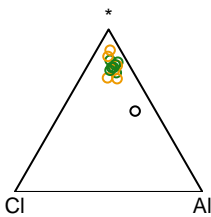
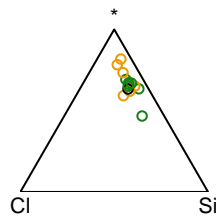
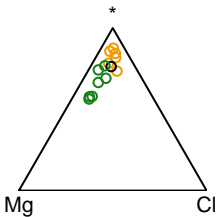
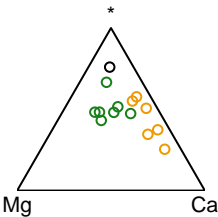
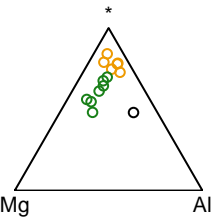
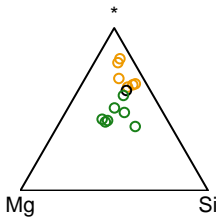
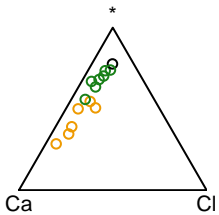
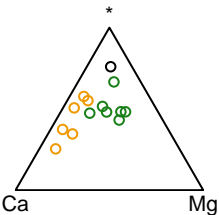
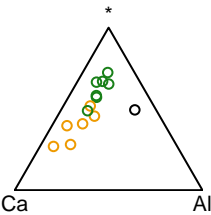
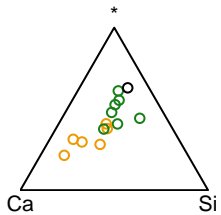
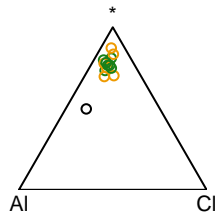
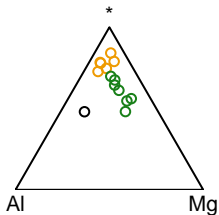
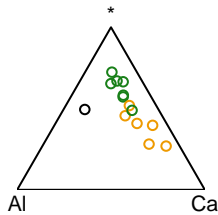
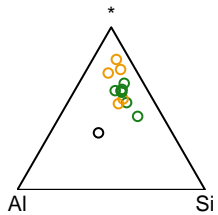
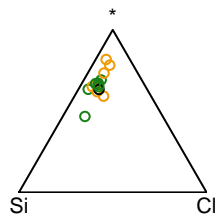
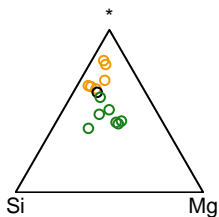
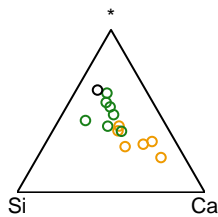
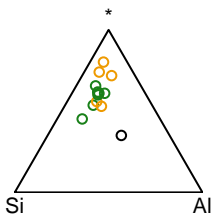
Mg



Fe

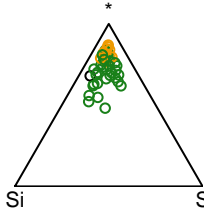
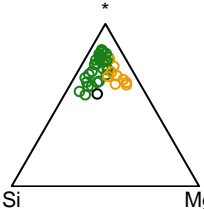
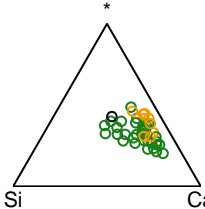
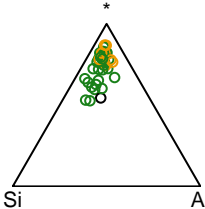


## Si, Al, Ca, Mg, Cl

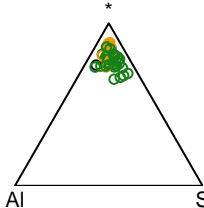
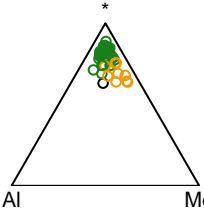
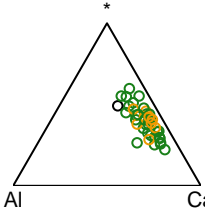
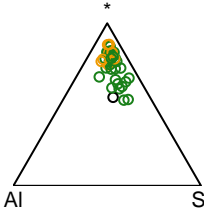


# Si, Al, Ca, Mg, S

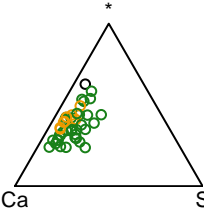
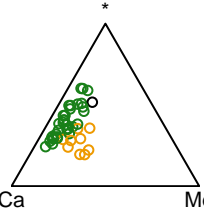
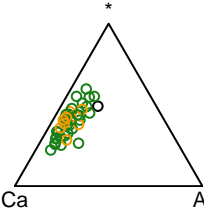
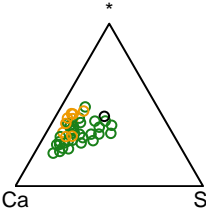
Si



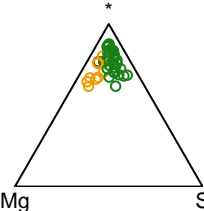
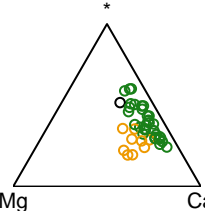
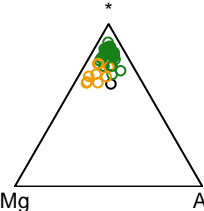
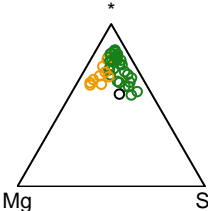
# AI



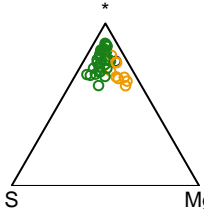
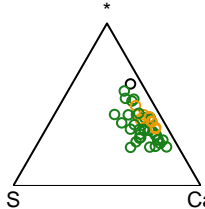
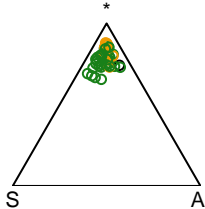
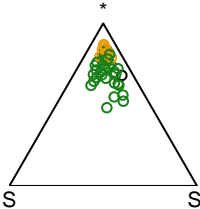
Ca



Mg

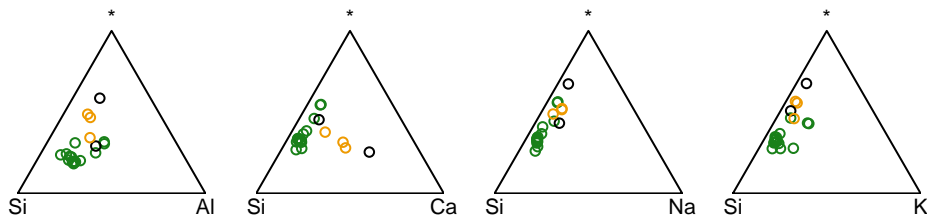


S

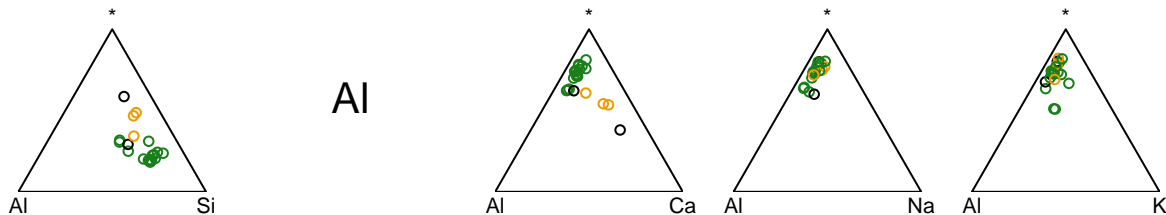


# Si, Al, Ca, Na, K

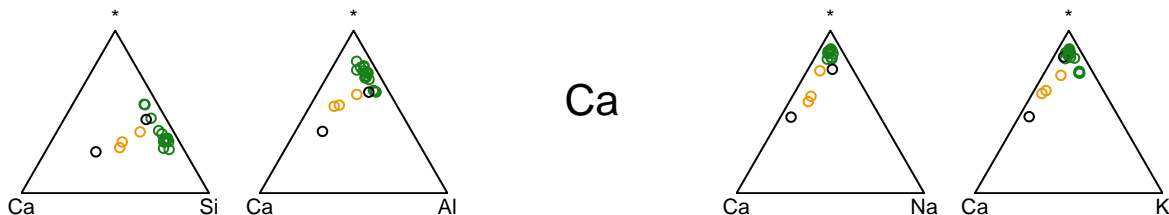
Si



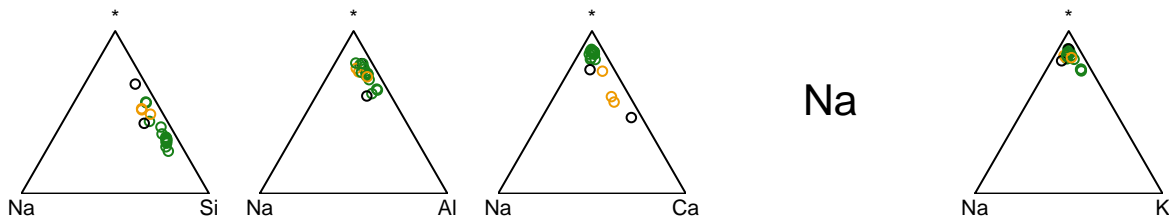
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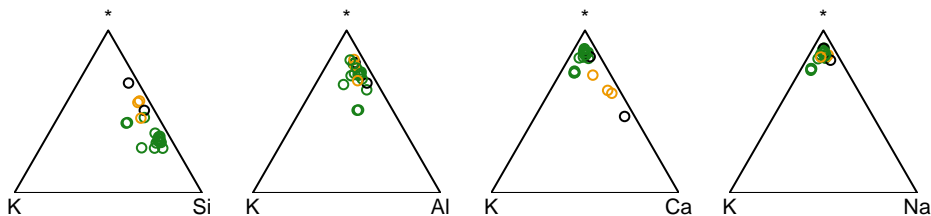
Ca



Na

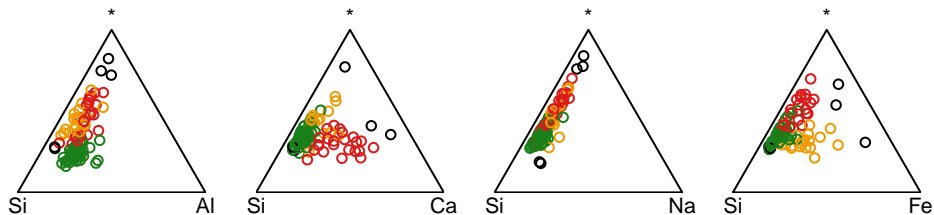


K

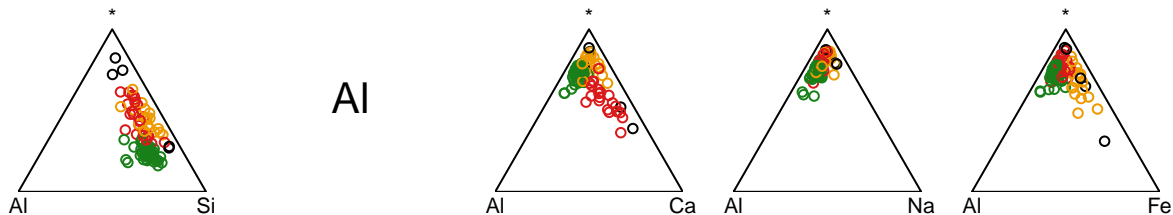


# Si, Al, Ca, Na, Fe

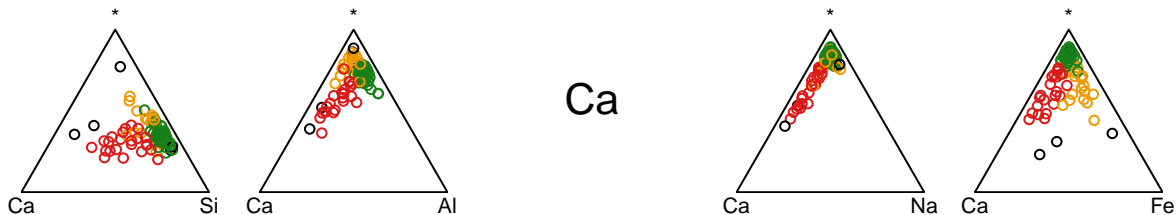
Si



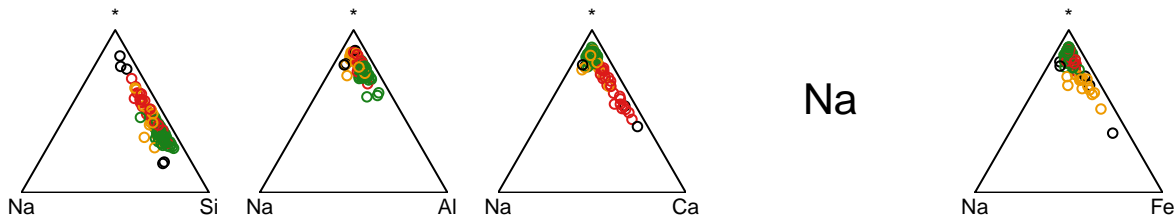
Al



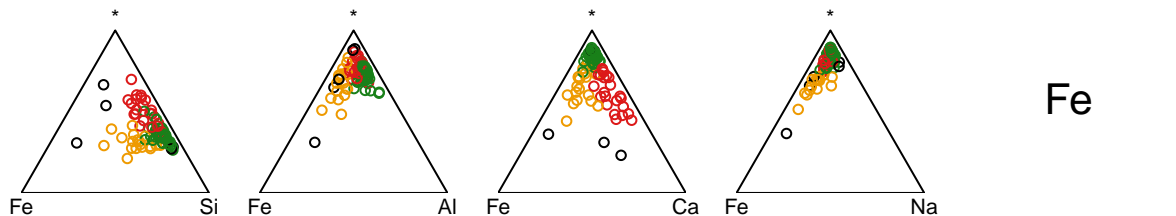
Ca



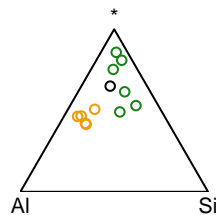
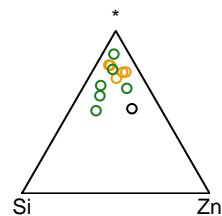
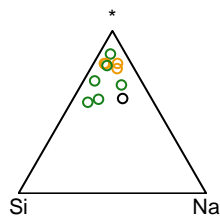
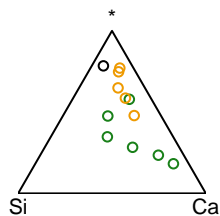
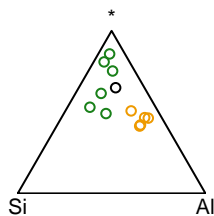
Na



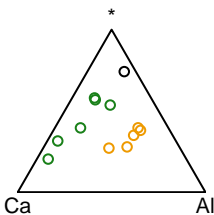
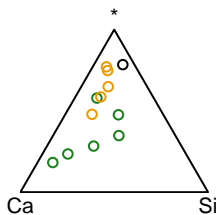
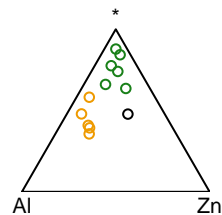
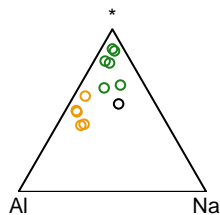
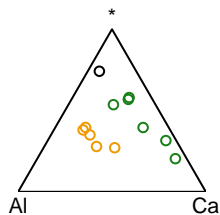
Fe



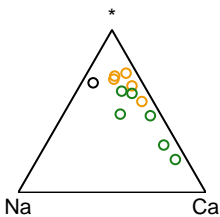
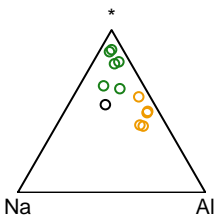
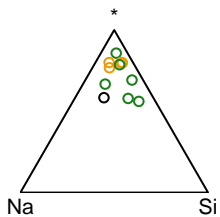
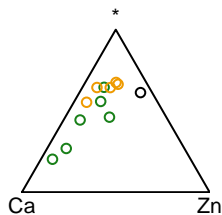
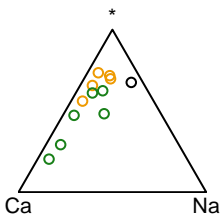
**Si, Al, Ca, Na, Zn**



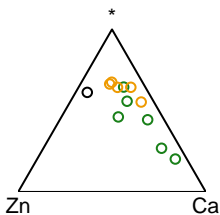
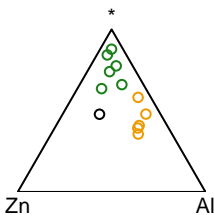
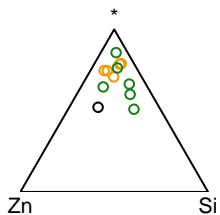
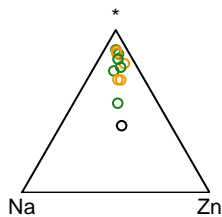
AI



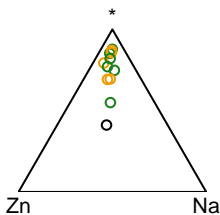
Ca



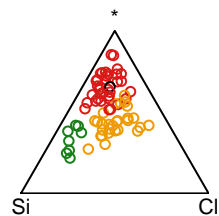
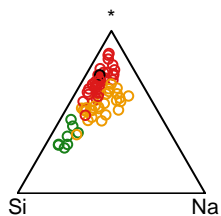
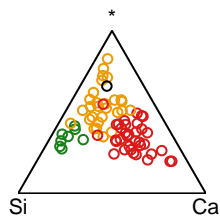
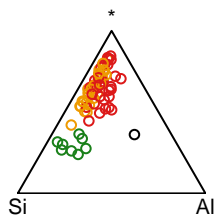
Na



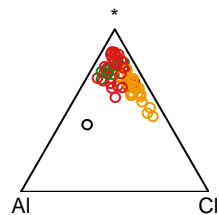
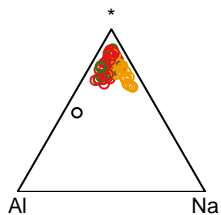
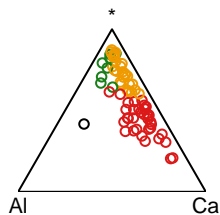
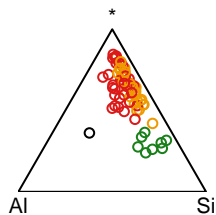
Zn



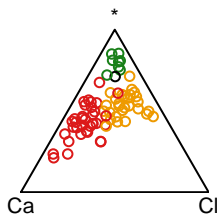
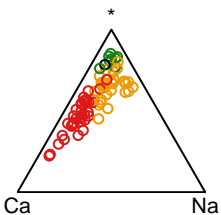
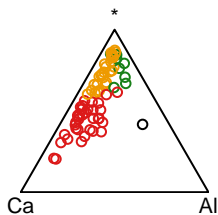
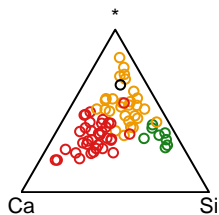
## Si



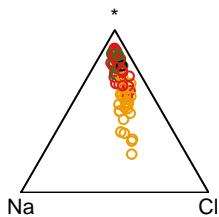
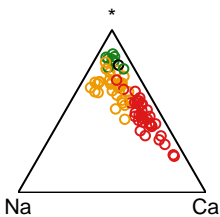
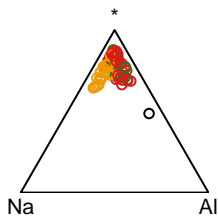
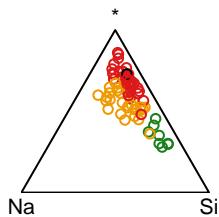
# AI



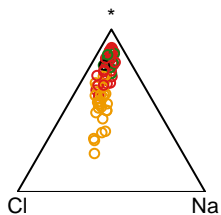
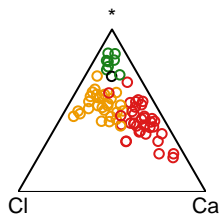
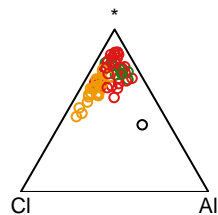
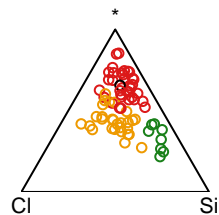
Ca



Na



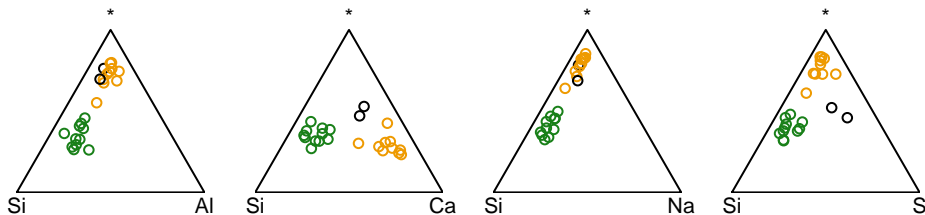
Cl



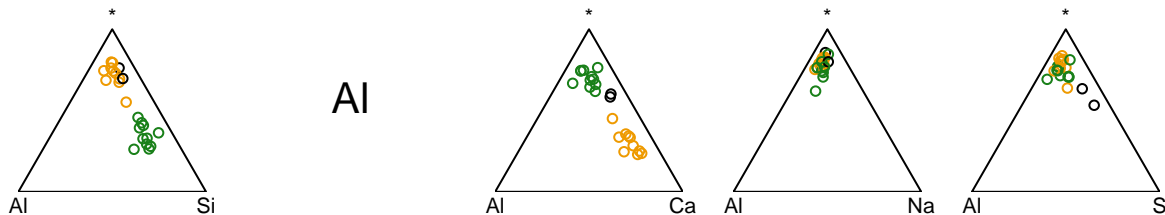


# Si, Al, Ca, Na, S

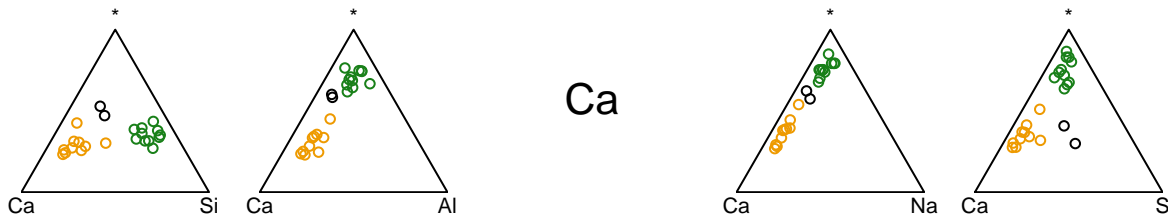
Si



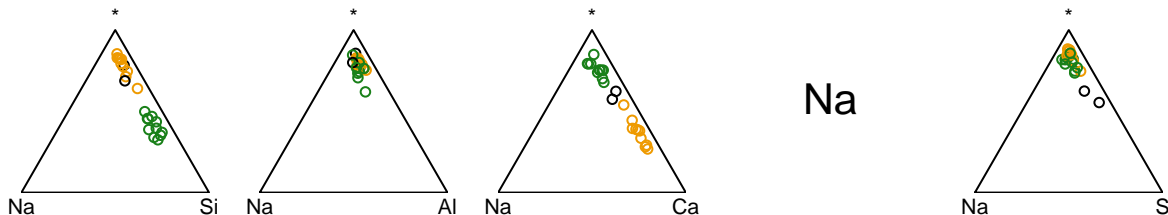
Al



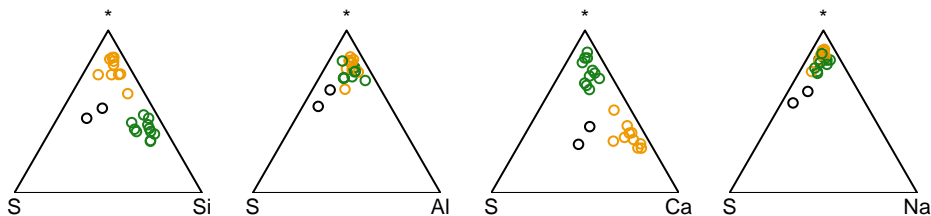
Ca



Na

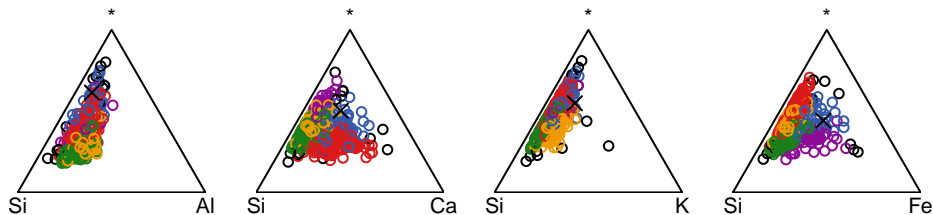


S

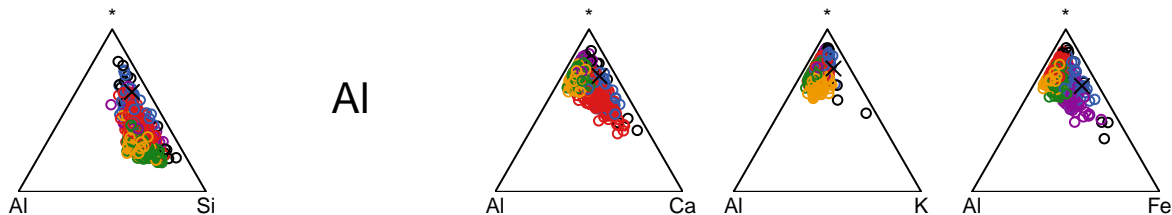


# Si, Al, Ca, K, Fe

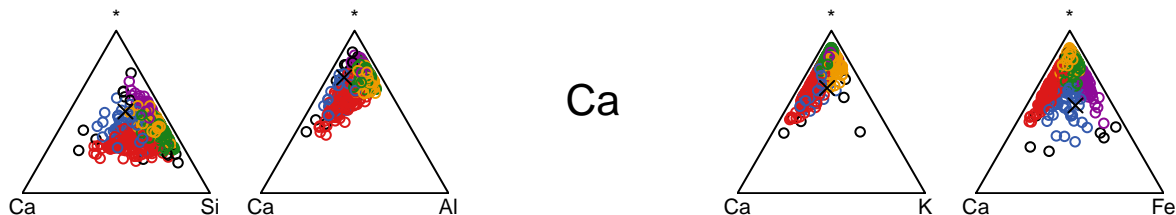
Si



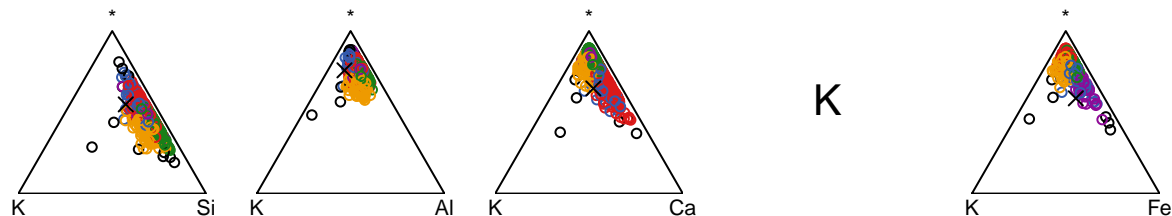
Al



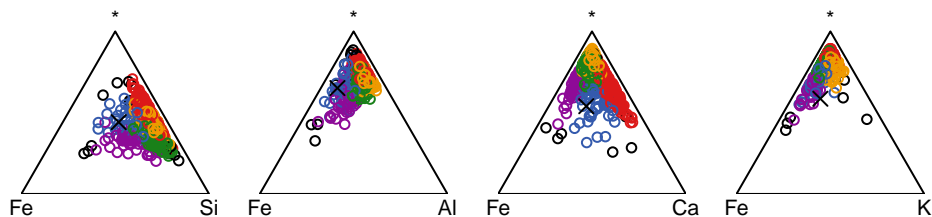
Ca



K

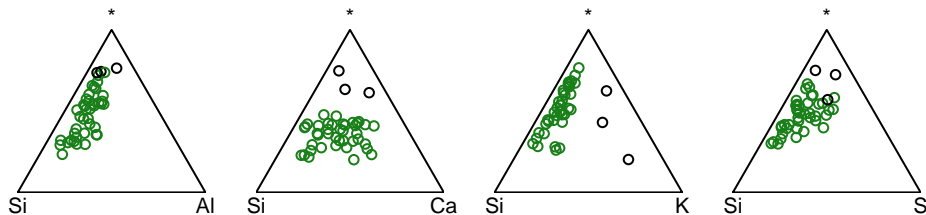


Fe

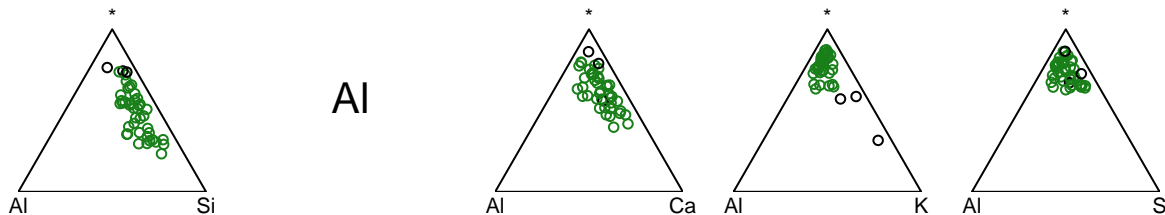


# Si, Al, Ca, K, S

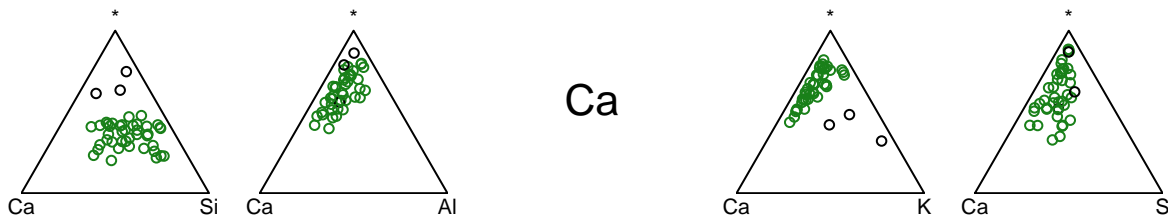
Si



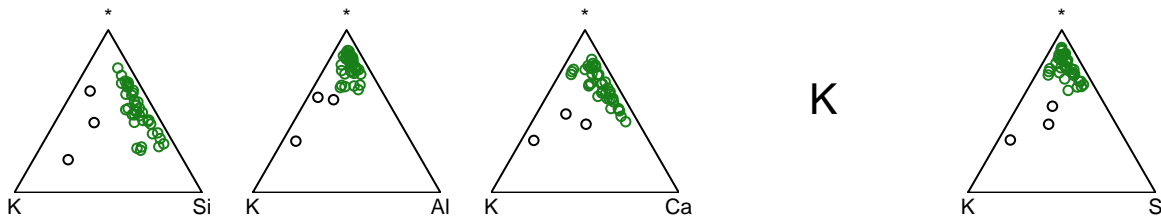
Al



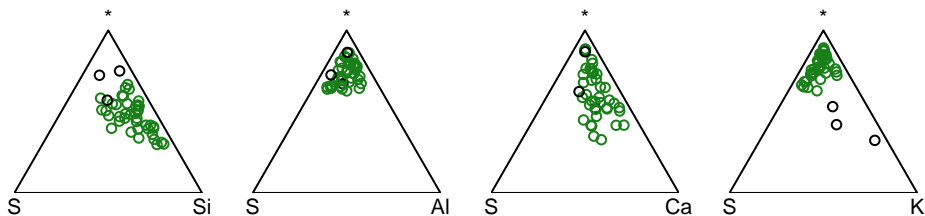
Ca



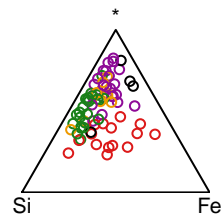
K



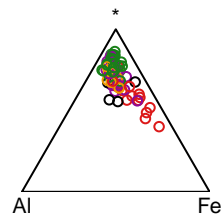
S



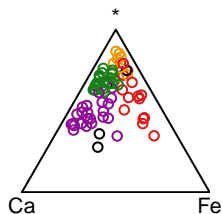
## Si



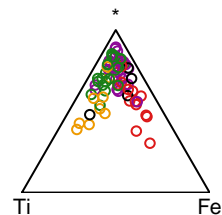
AI



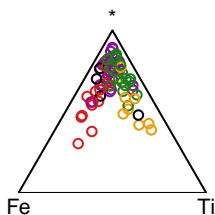
Ca



Ti

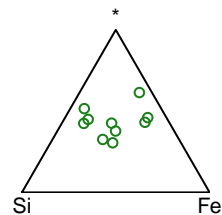
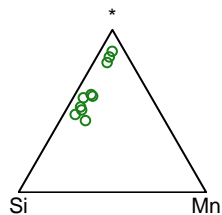
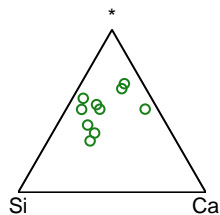
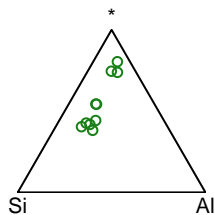


Fe

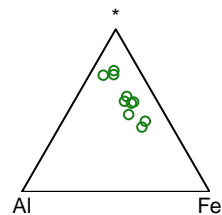
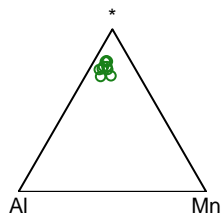
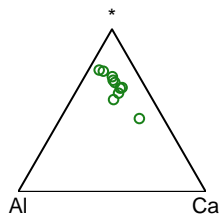
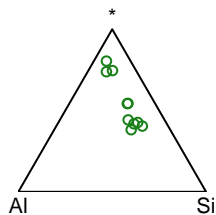


# Si, Al, Ca, Mn, Fe

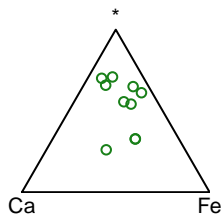
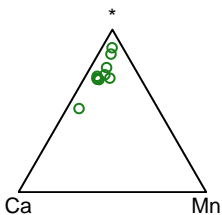
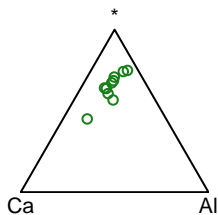
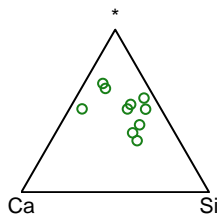
Si



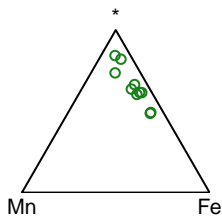
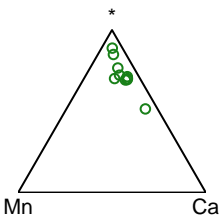
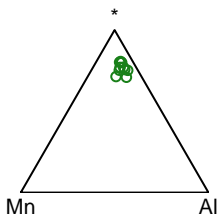
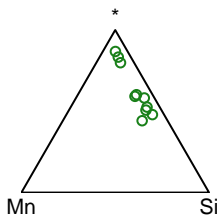
Al



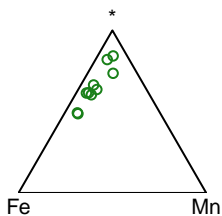
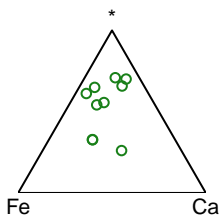
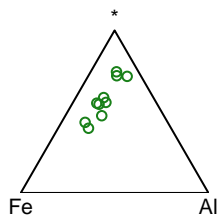
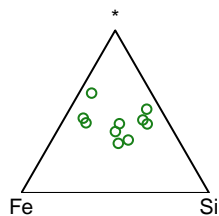
Ca



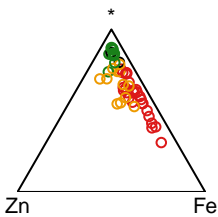
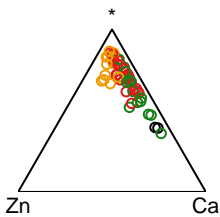
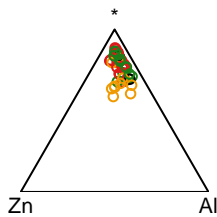
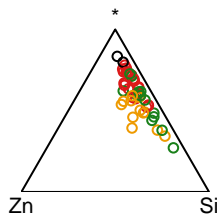
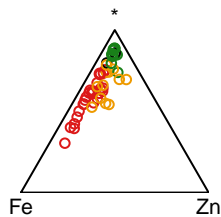
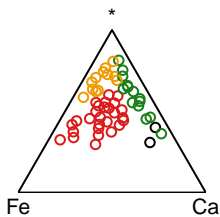
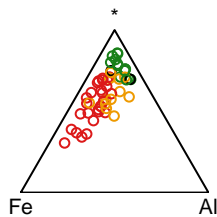
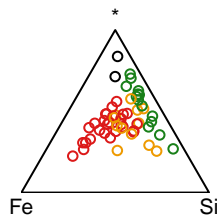
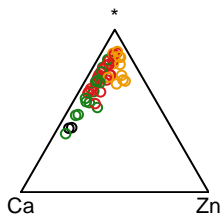
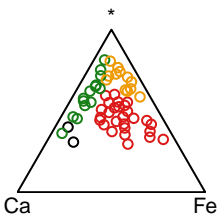
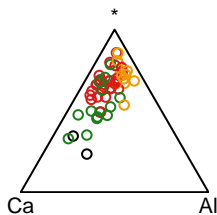
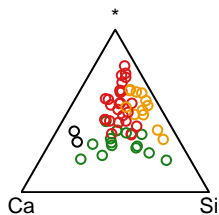
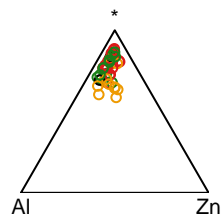
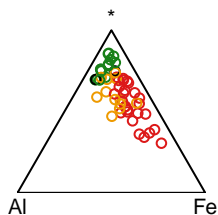
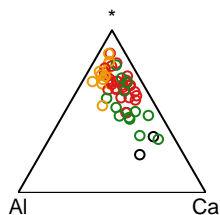
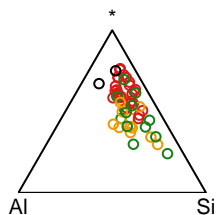
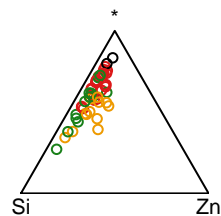
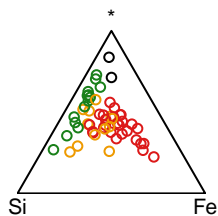
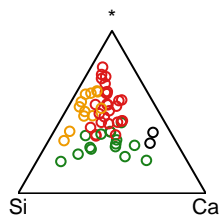
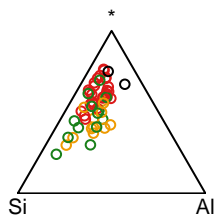
Mn



Fe

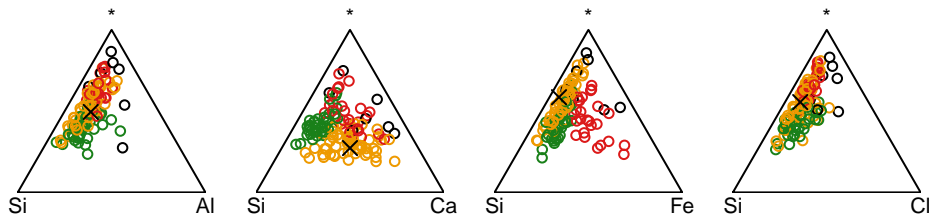


**Si, Al, Ca, Fe, Zn**

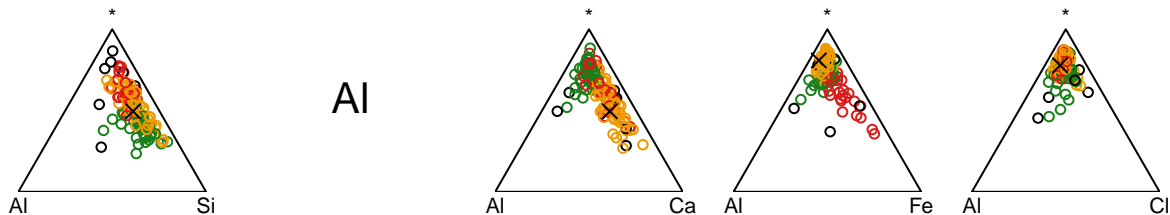


# Si, Al, Ca, Fe, Cl

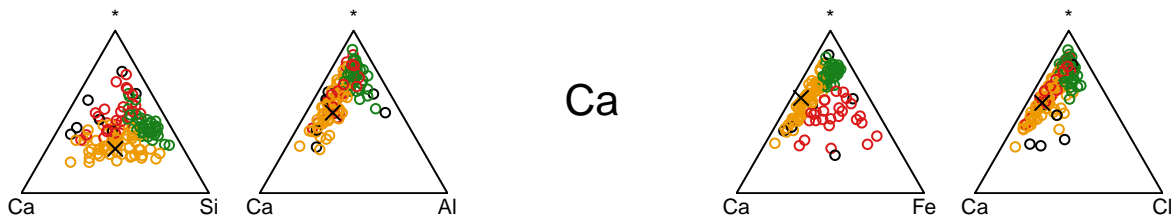
Si



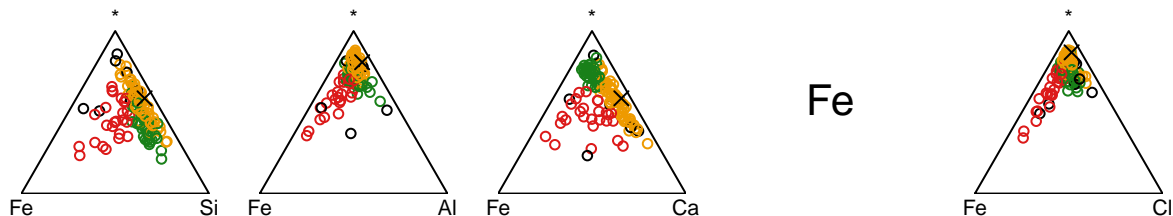
Al



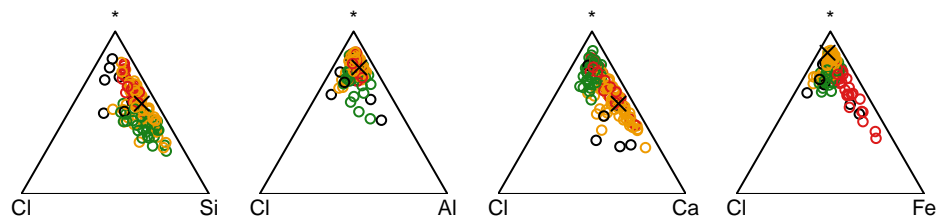
Ca



Fe

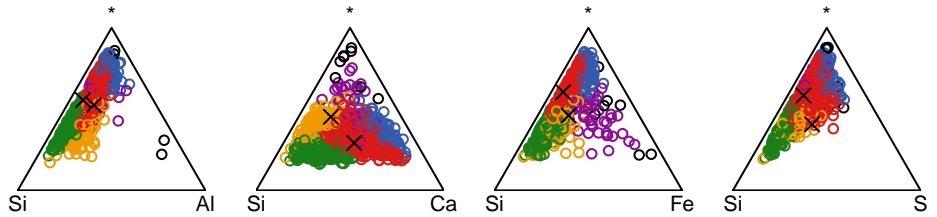


Cl

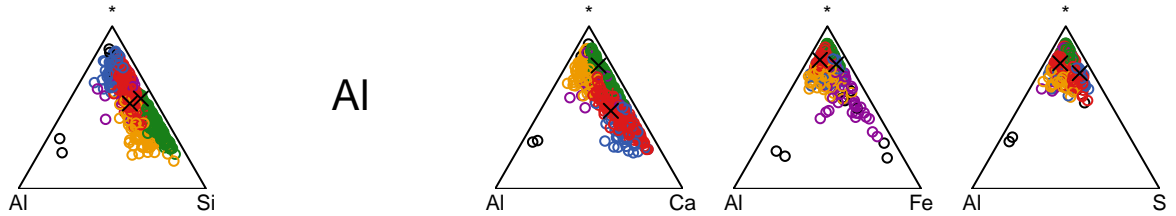


# Si, Al, Ca, Fe, S

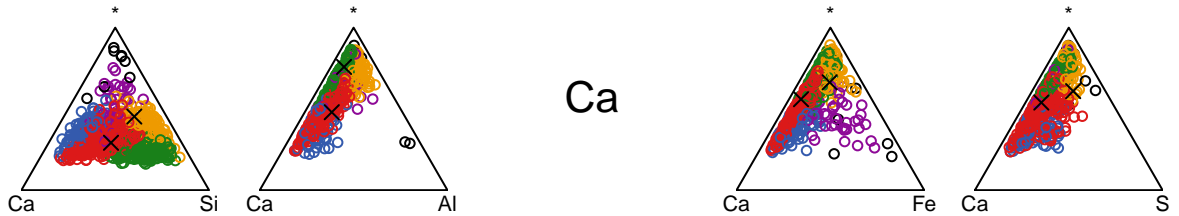
Si



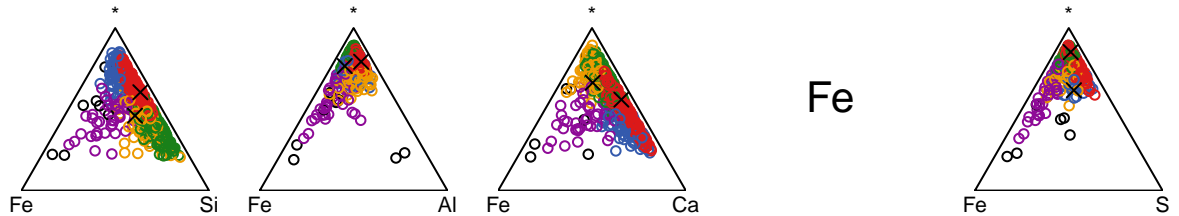
Al



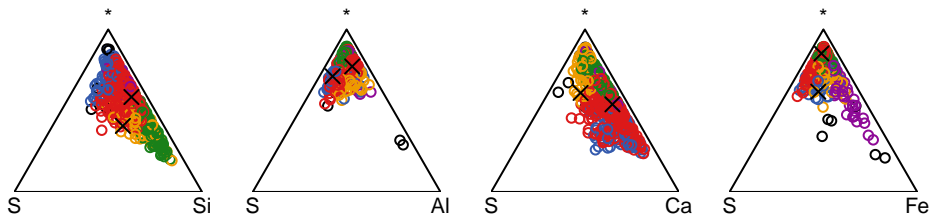
Ca



Fe



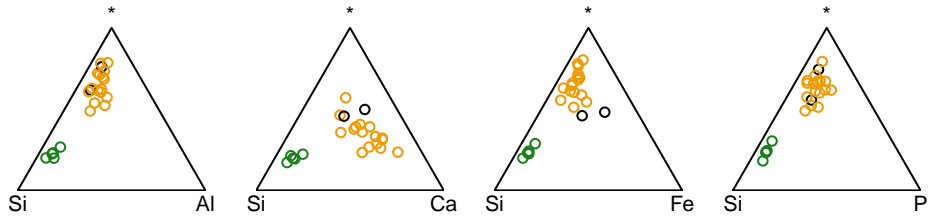
S



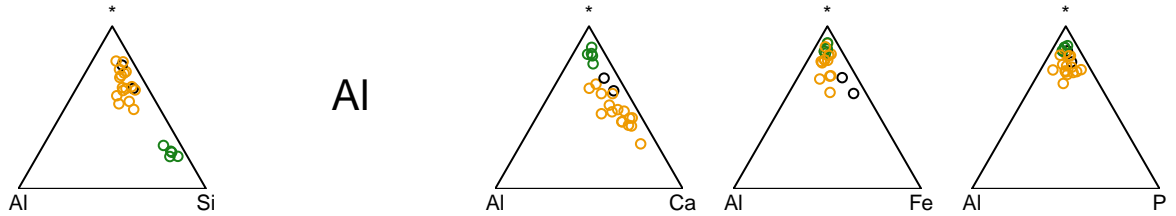


# Si, Al, Ca, Fe, P

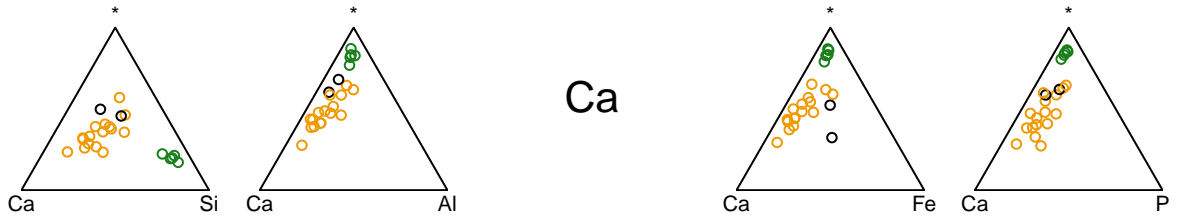
Si



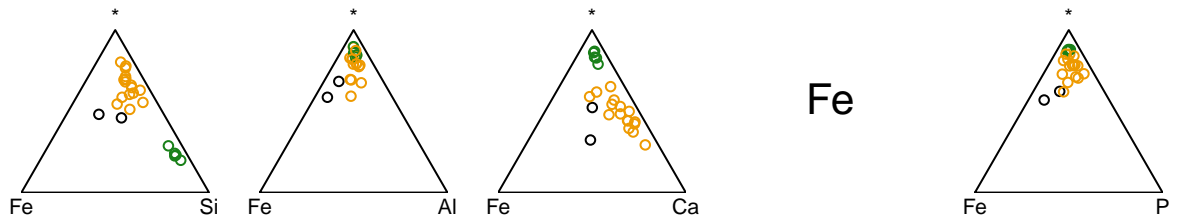
Al



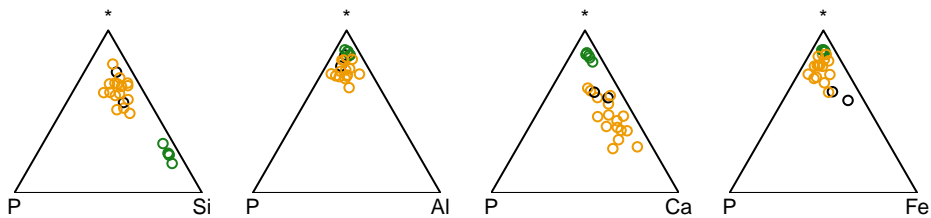
Ca



Fe

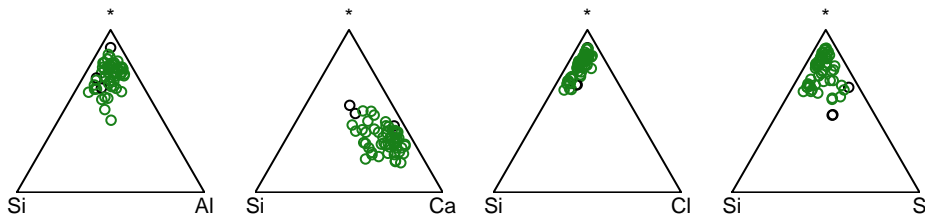


P

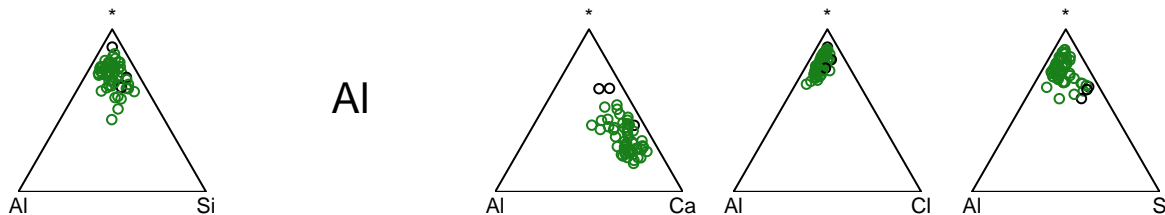


# Si, Al, Ca, Cl, S

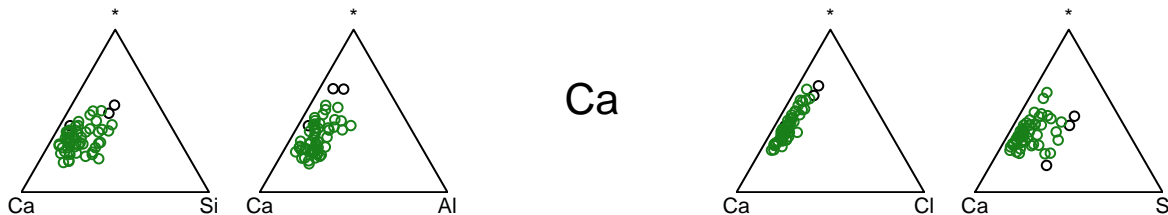
Si



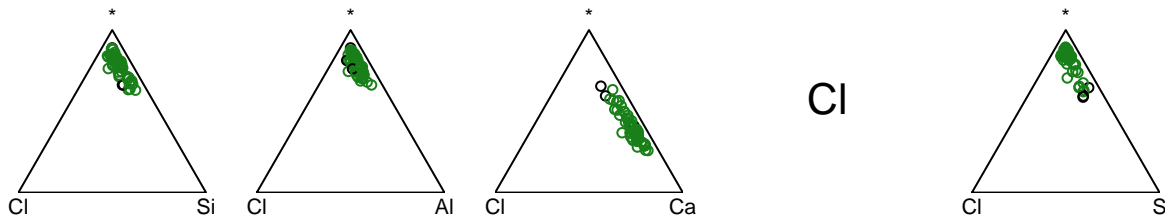
Al



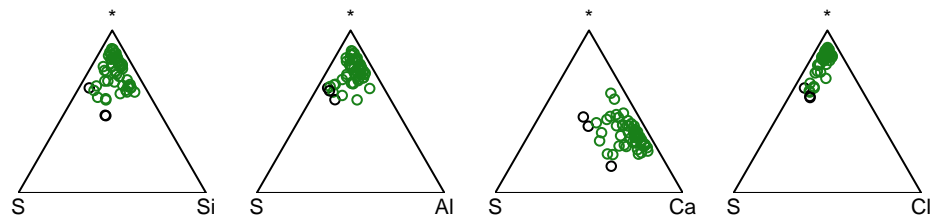
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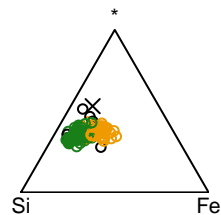
Cl



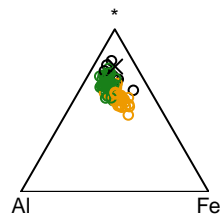
S



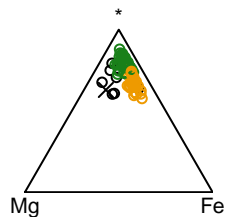
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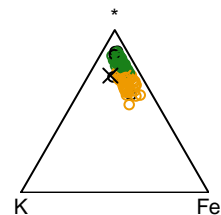
AI



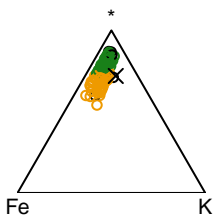
Mg



K

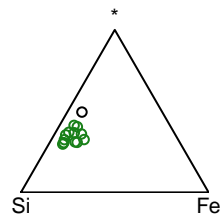
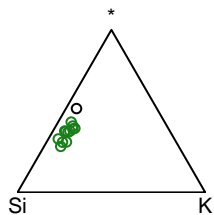
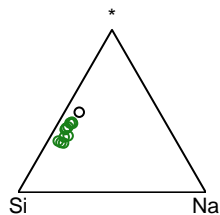
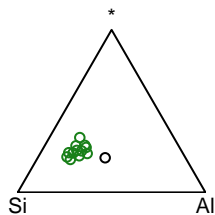


Fe

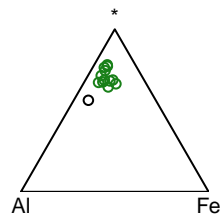
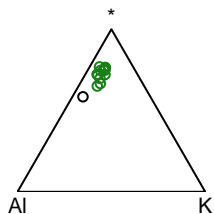
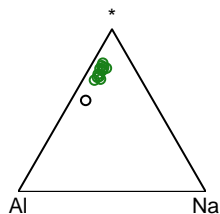
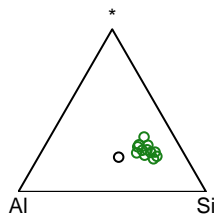


# Si, Al, Na, K, Fe

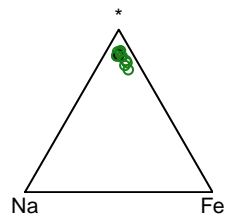
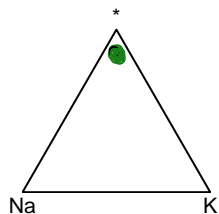
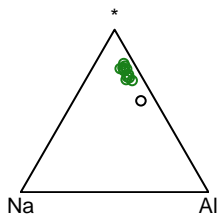
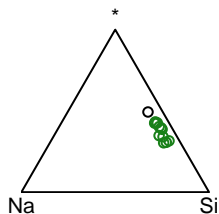
Si



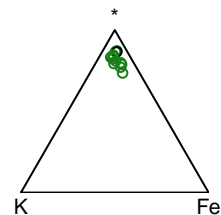
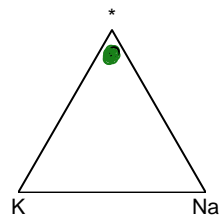
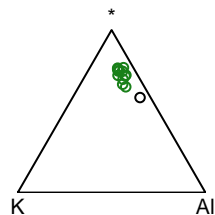
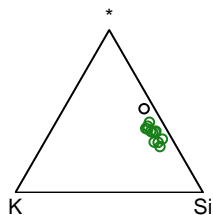
Al



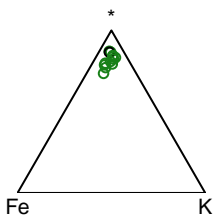
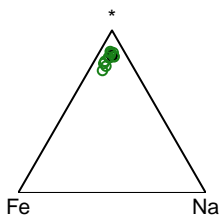
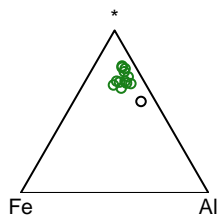
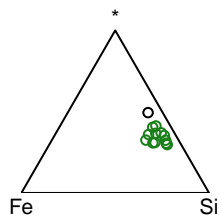
Na



K

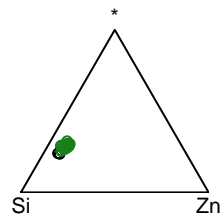
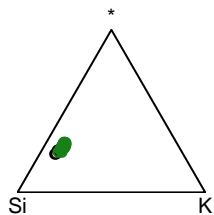
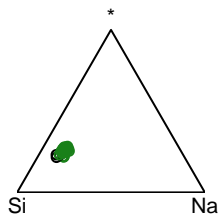
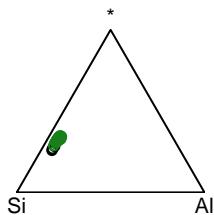


Fe

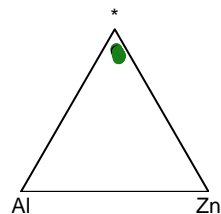
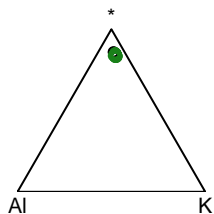
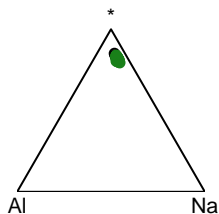
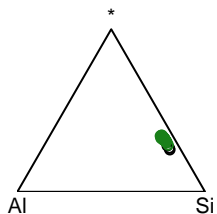


# Si, Al, Na, K, Zn

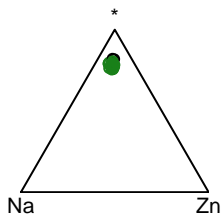
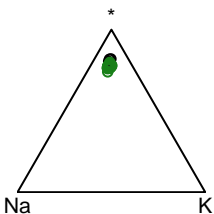
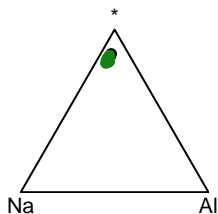
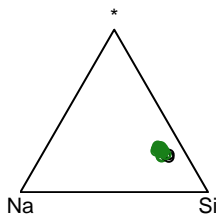
Si



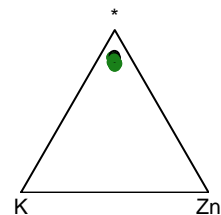
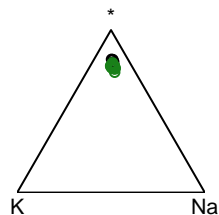
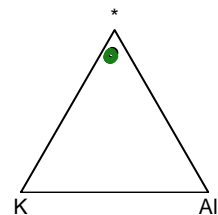
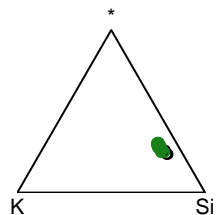
Al



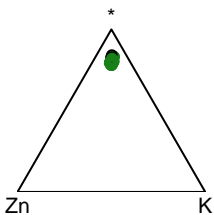
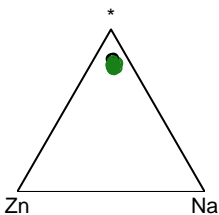
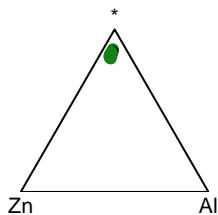
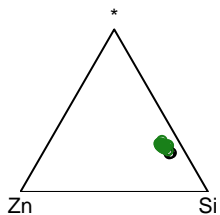
Na



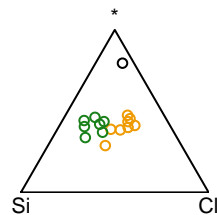
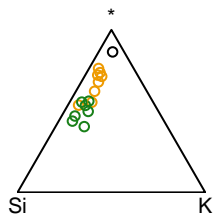
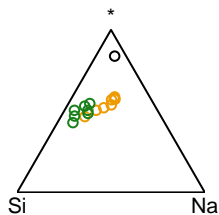
K



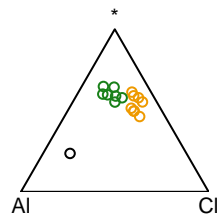
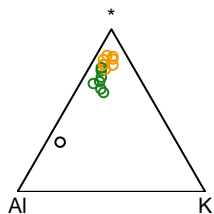
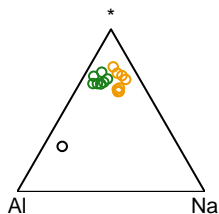
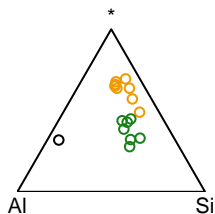
Zn



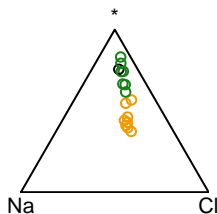
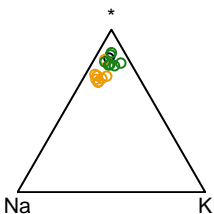
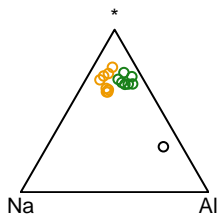
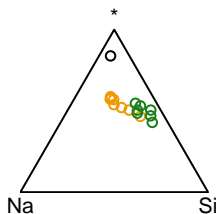
## Si



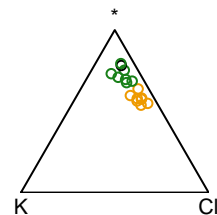
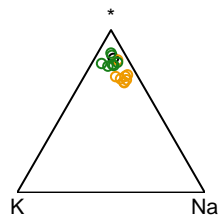
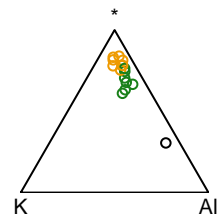
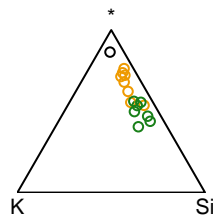
# AI



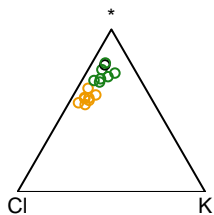
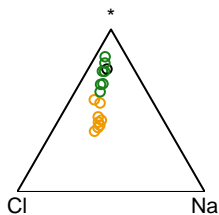
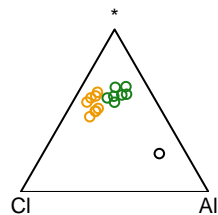
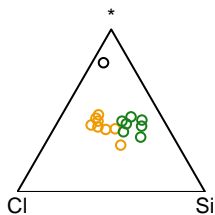
Na



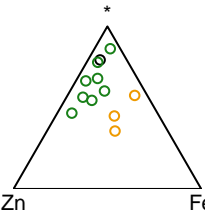
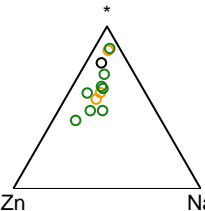
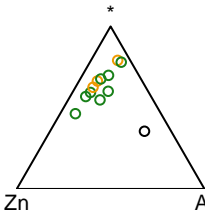
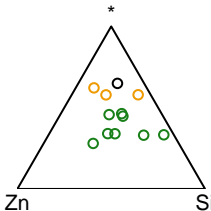
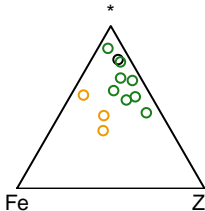
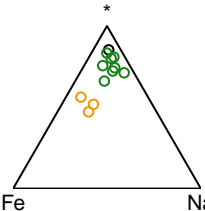
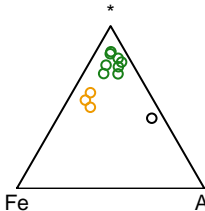
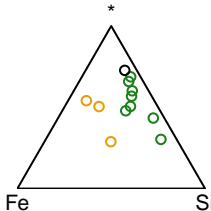
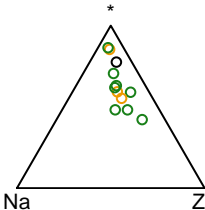
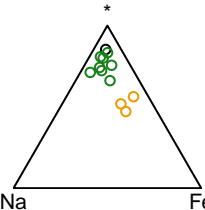
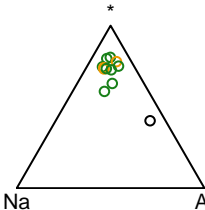
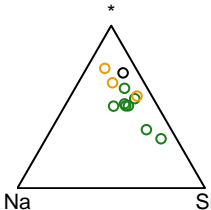
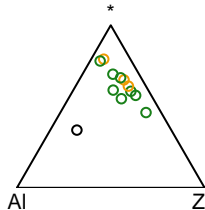
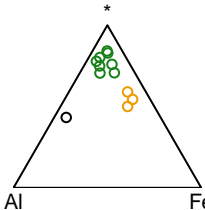
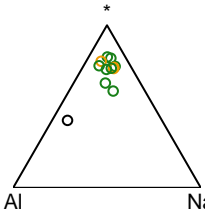
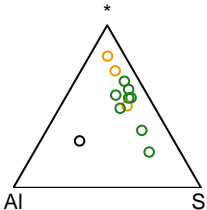
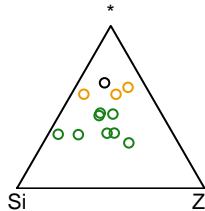
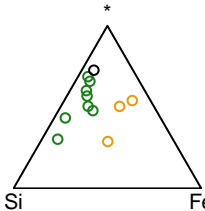
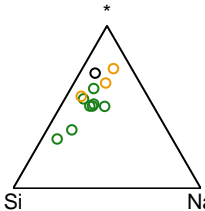
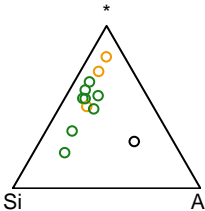
K



Cl

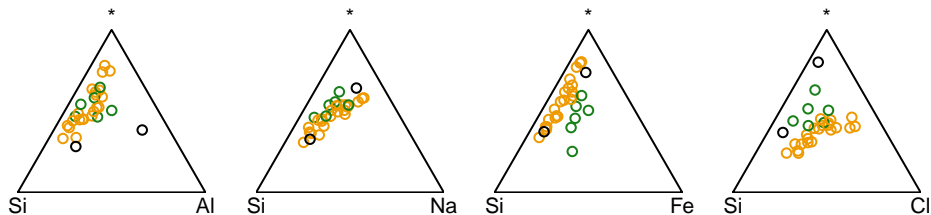


# Si, Al, Na, Fe, Zn

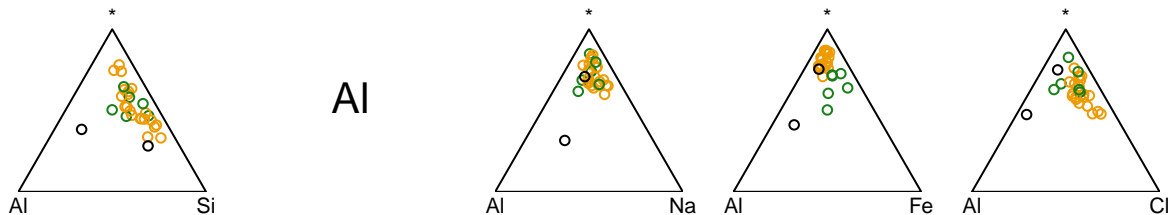


# Si, Al, Na, Fe, Cl

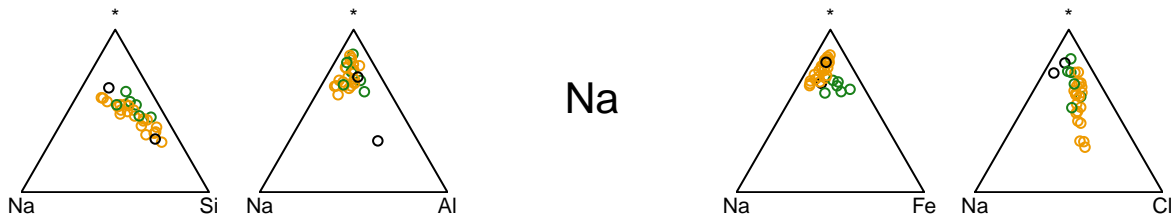
Si



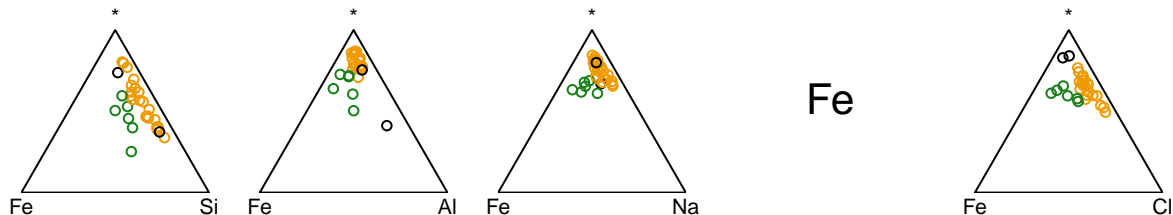
Al



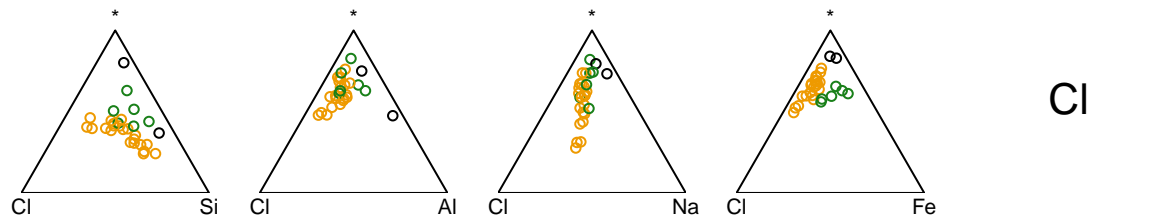
Na



Fe



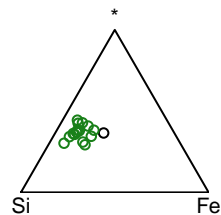
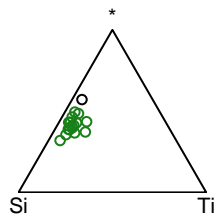
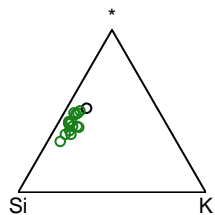
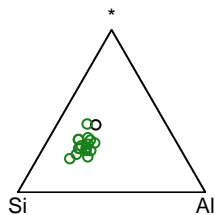
Cl



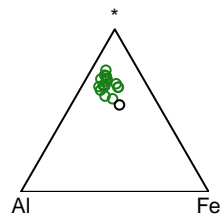
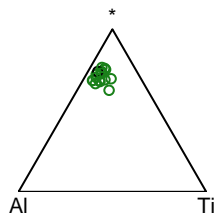
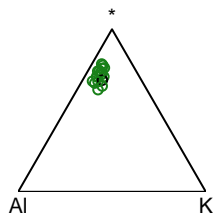
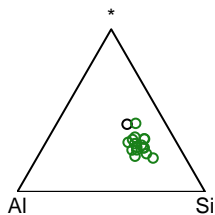


# Si, Al, K, Ti, Fe

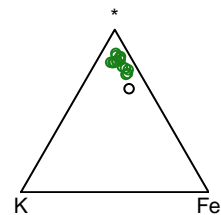
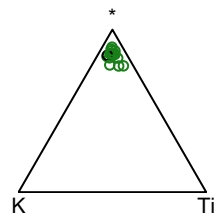
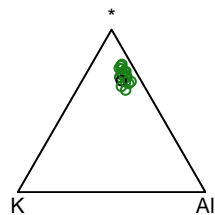
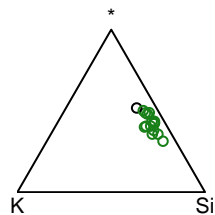
Si



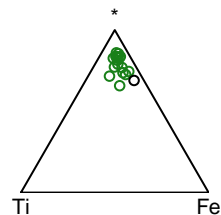
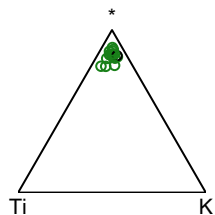
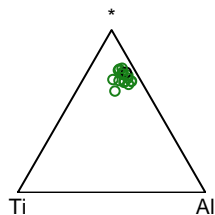
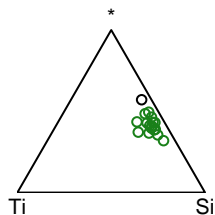
Al



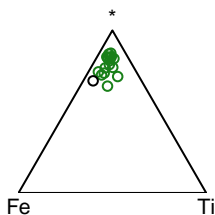
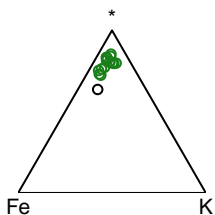
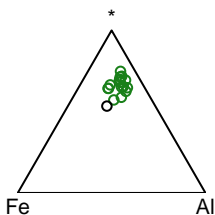
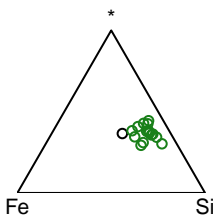
K



Ti

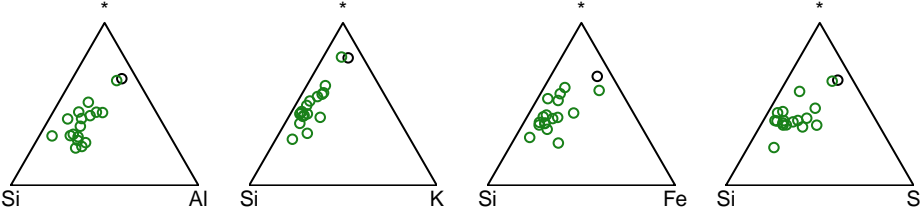


Fe

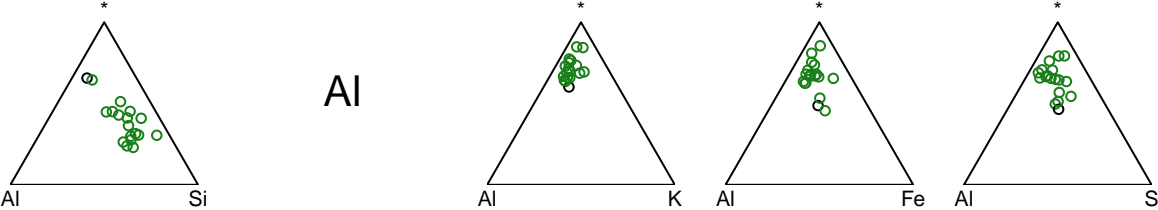


Si, Al, K, Fe, S

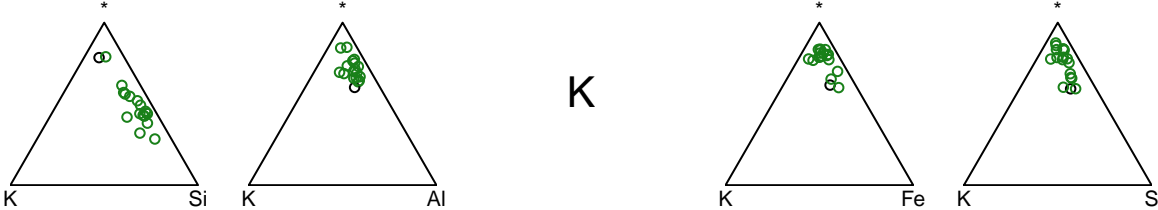
Si



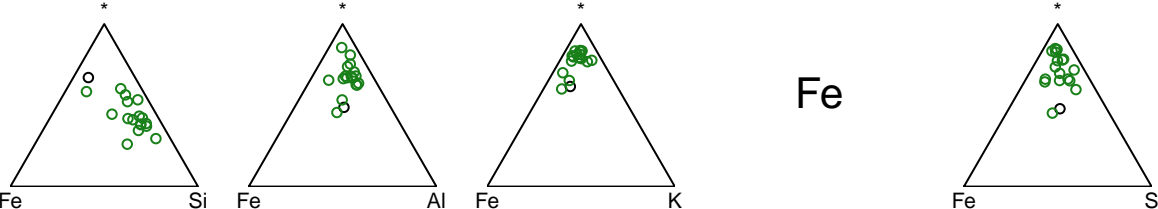
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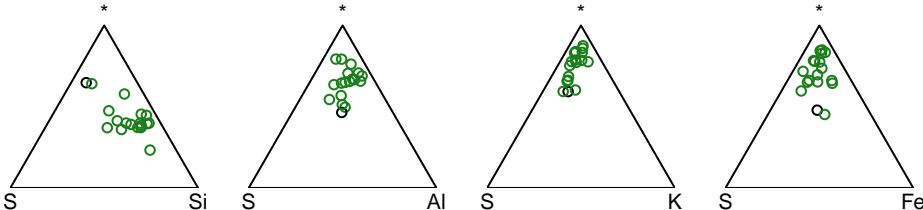
K



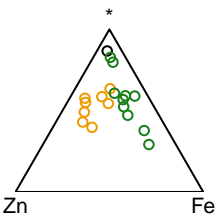
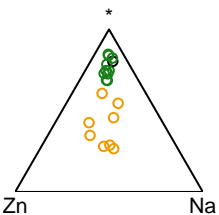
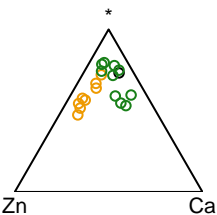
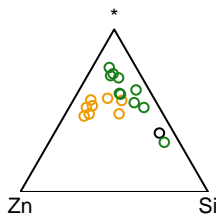
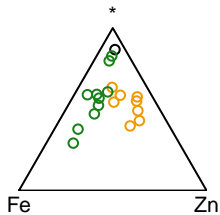
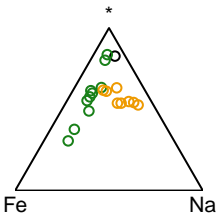
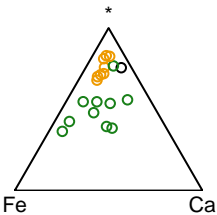
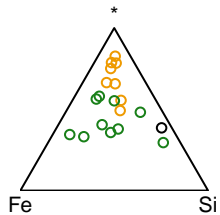
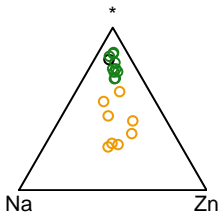
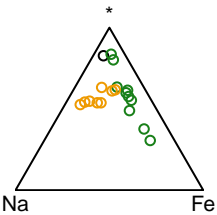
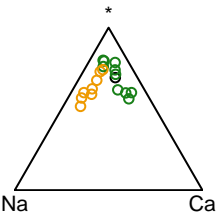
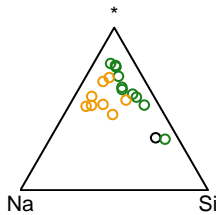
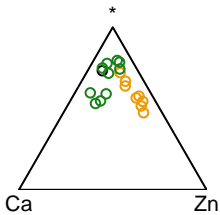
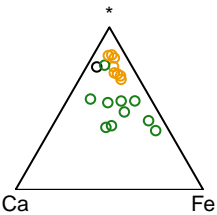
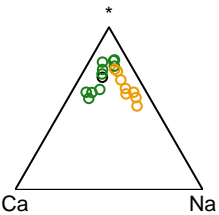
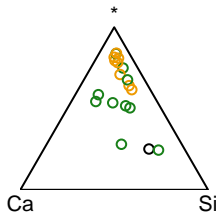
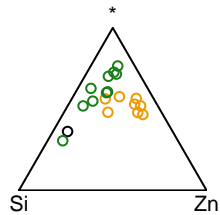
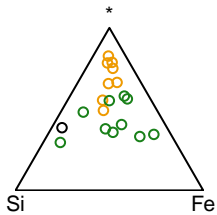
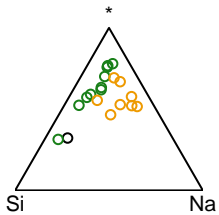
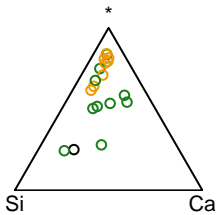
Fe



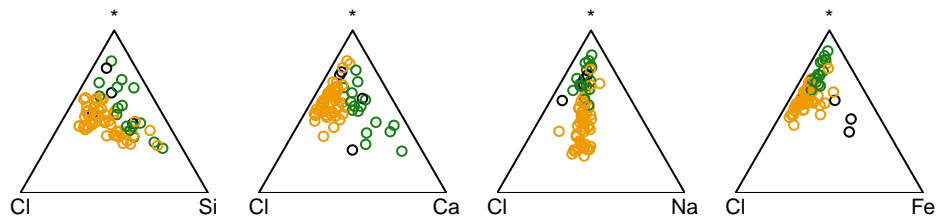
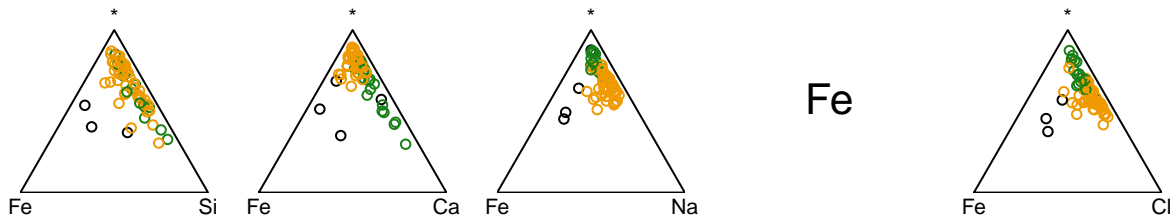
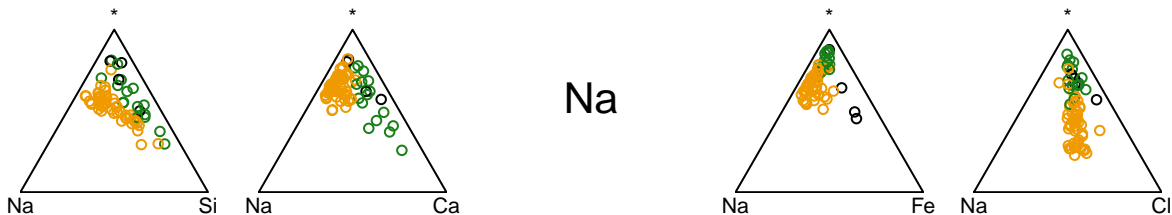
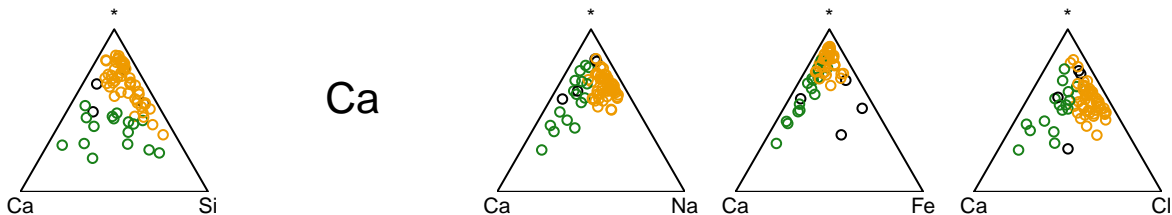
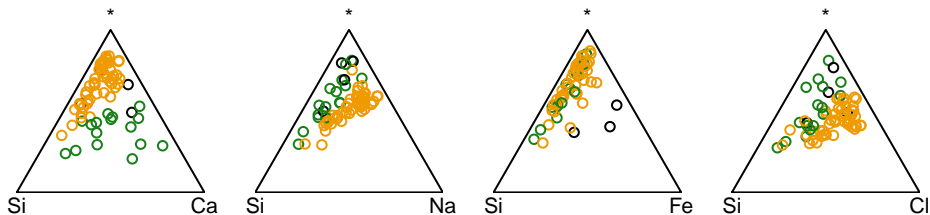
S



**Si, Ca, Na, Fe, Zn**

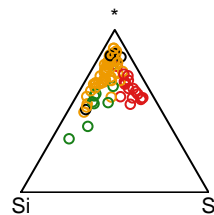
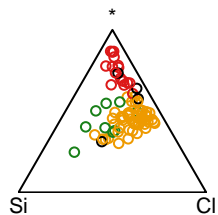
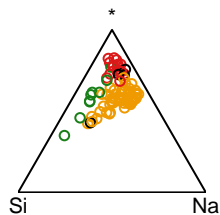
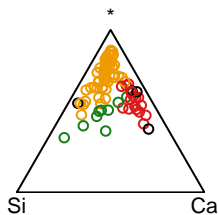


**Si, Ca, Na, Fe, Cl**

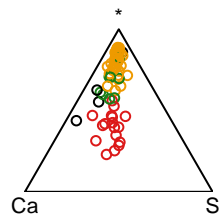
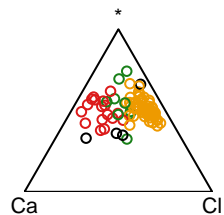
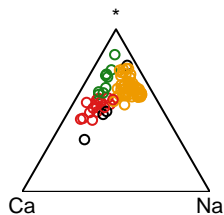
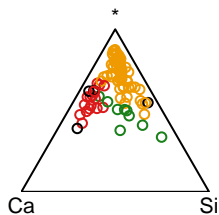


# Si, Ca, Na, Cl, S

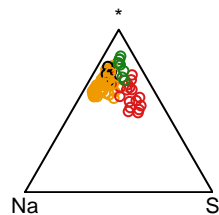
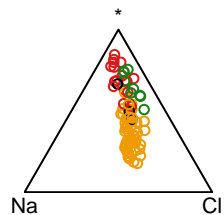
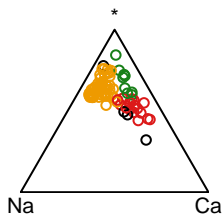
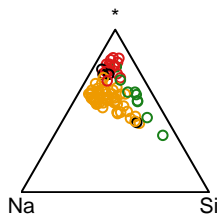
Si



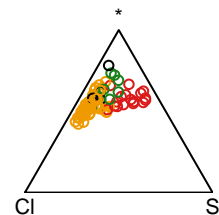
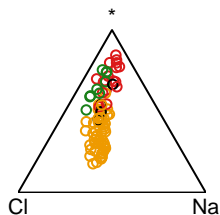
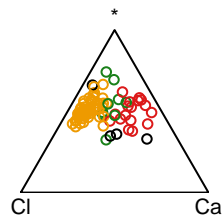
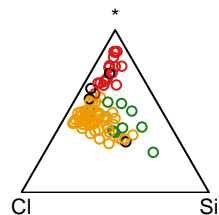
Ca



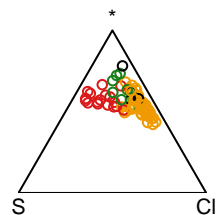
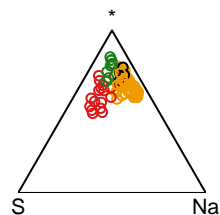
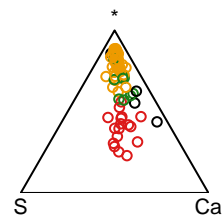
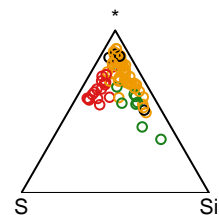
Na



Cl

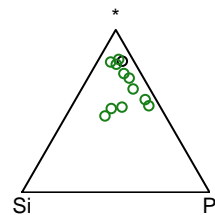
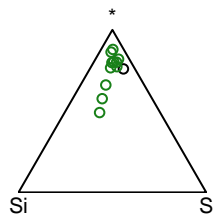
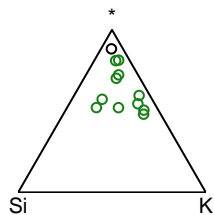
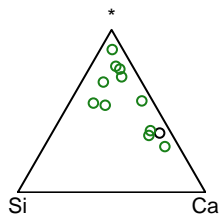


S

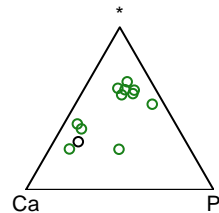
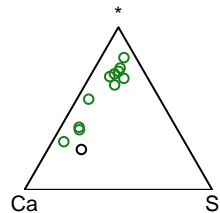
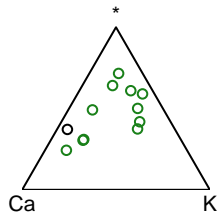
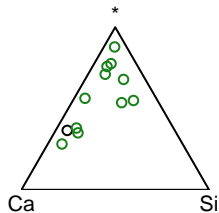


# Si, Ca, K, S, P

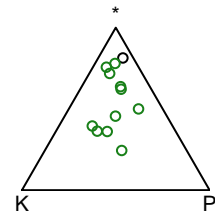
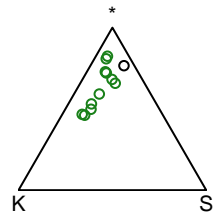
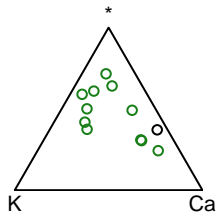
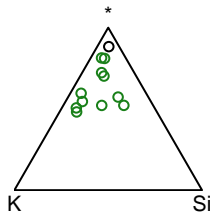
Si



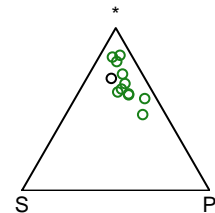
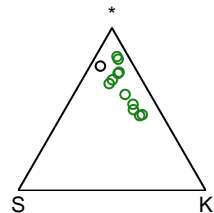
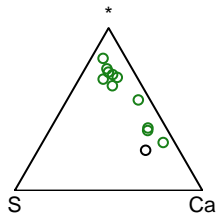
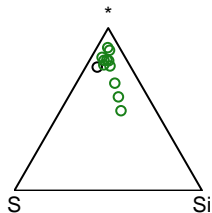
Ca



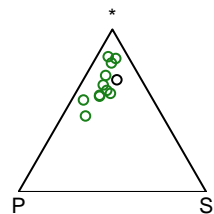
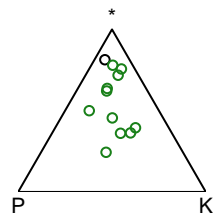
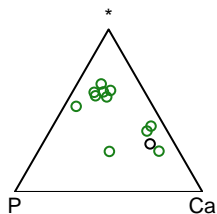
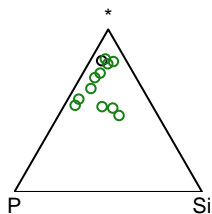
K



S

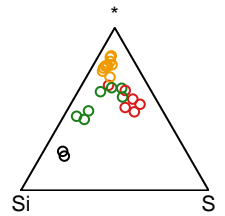
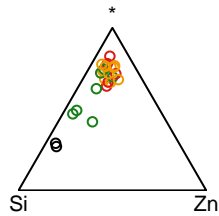
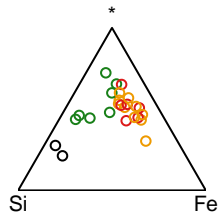
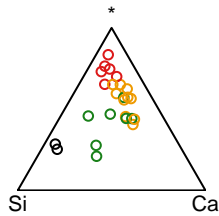


P

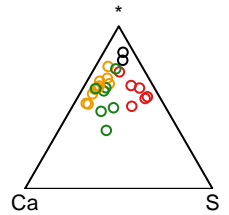
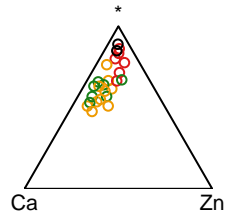
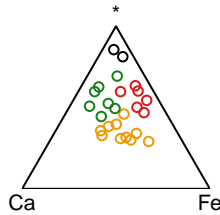
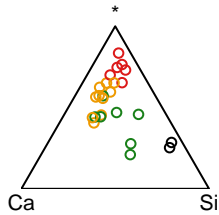


# Si, Ca, Fe, Zn, S

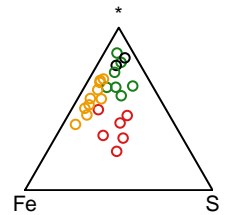
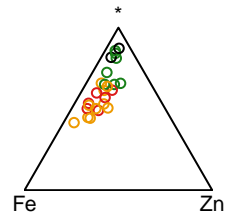
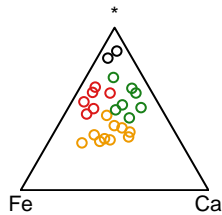
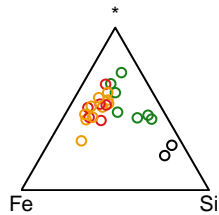
Si



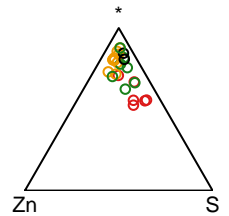
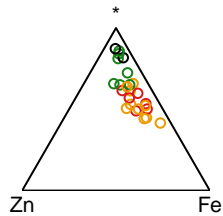
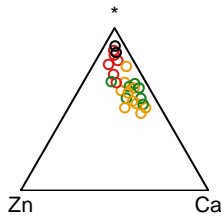
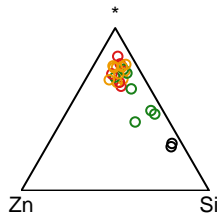
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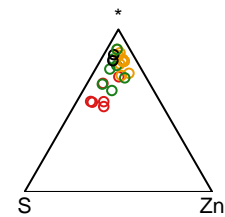
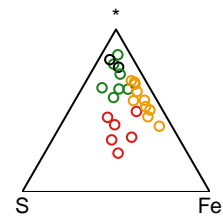
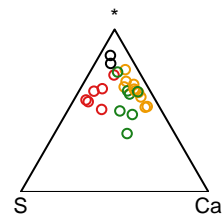
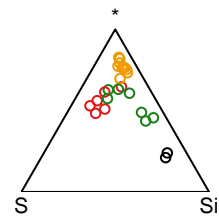
Fe



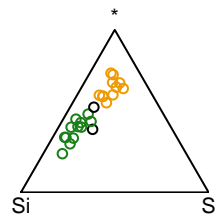
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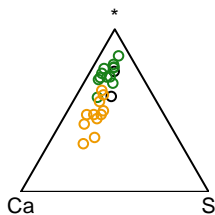
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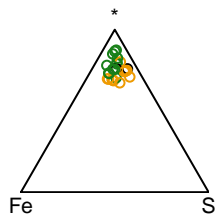
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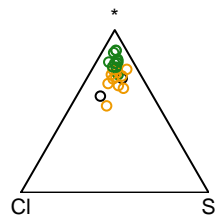
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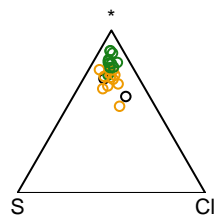
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Cl



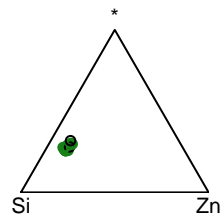
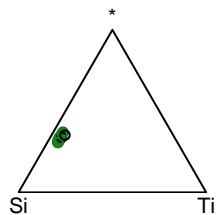
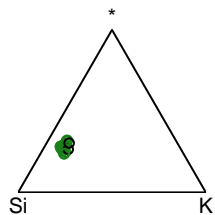
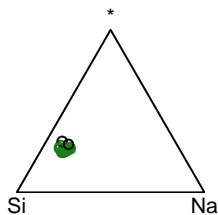
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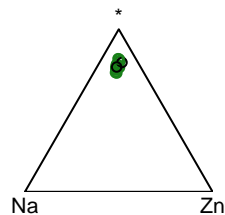
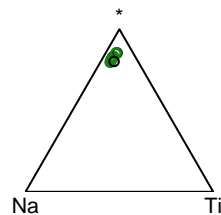
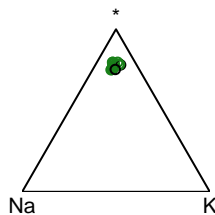
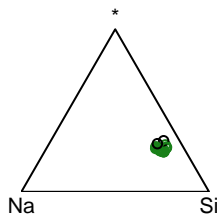


# Si, Na, K, Ti, Zn

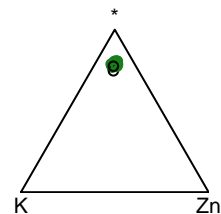
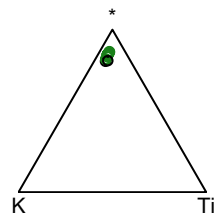
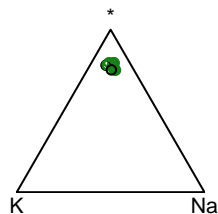
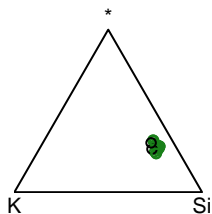
Si



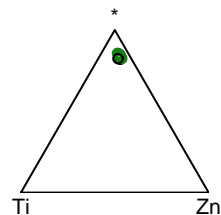
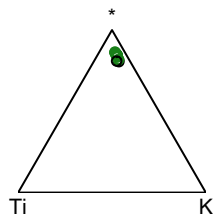
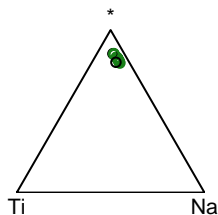
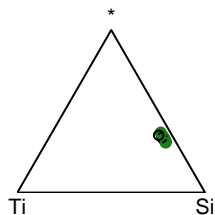
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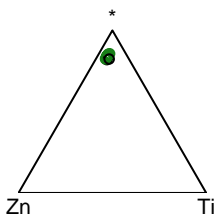
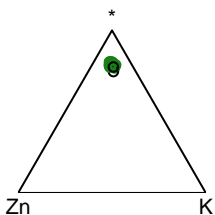
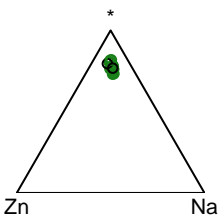
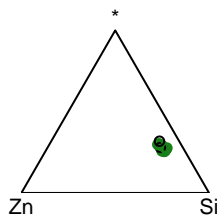
K



Ti

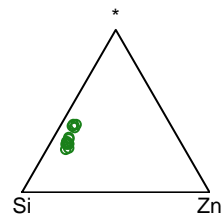
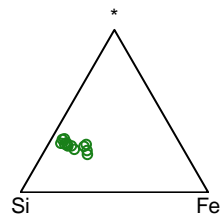
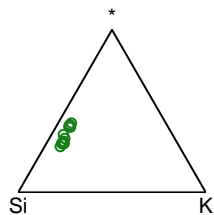
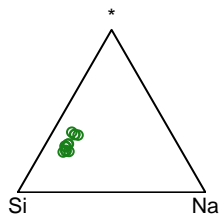


Zn

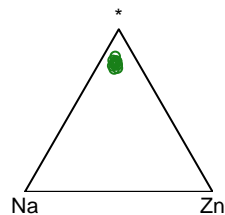
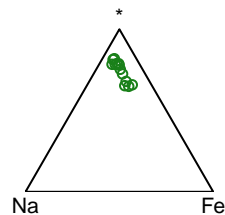
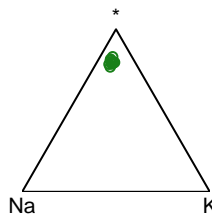
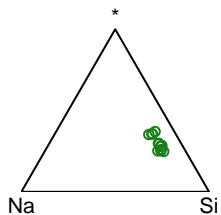


# Si, Na, K, Fe, Zn

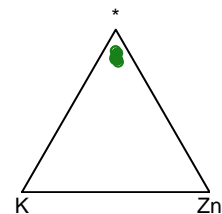
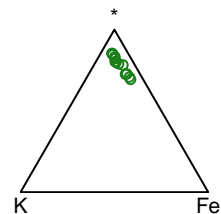
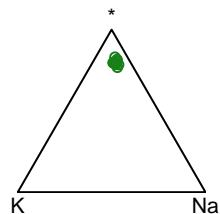
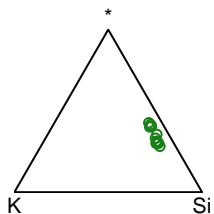
Si



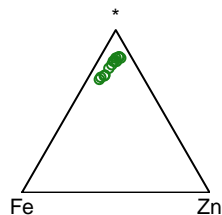
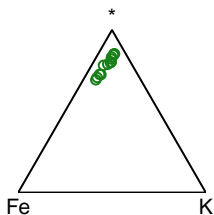
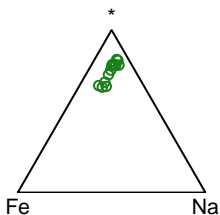
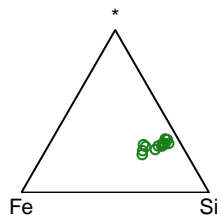
Na



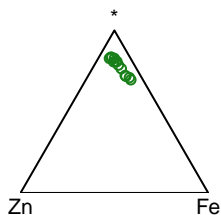
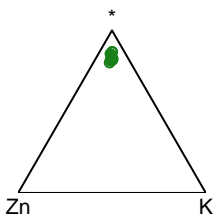
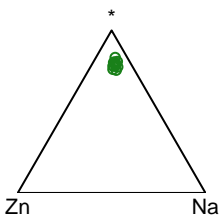
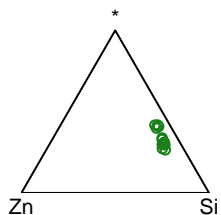
K



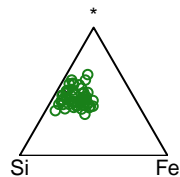
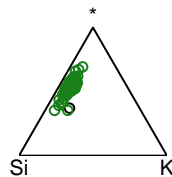
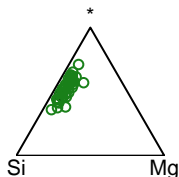
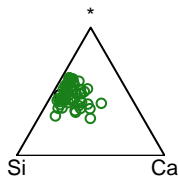
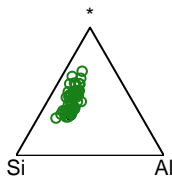
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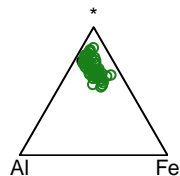
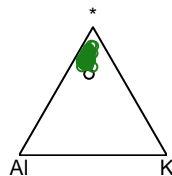
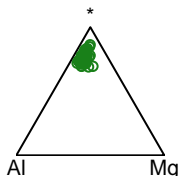
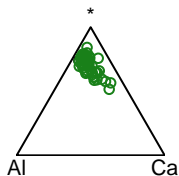
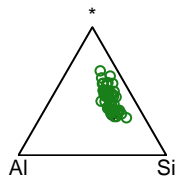
Zn



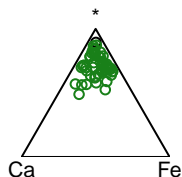
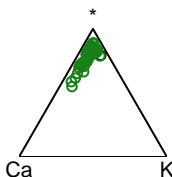
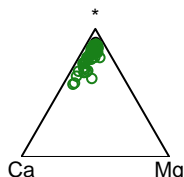
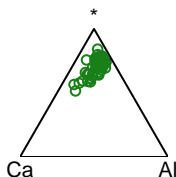
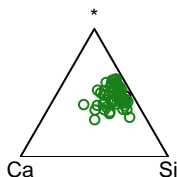
## Si



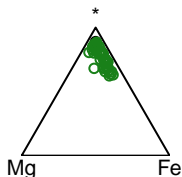
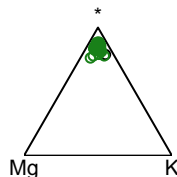
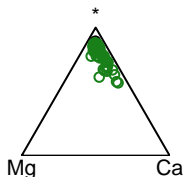
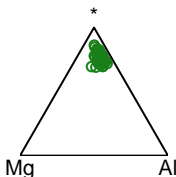
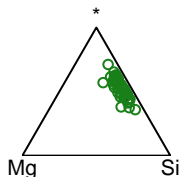
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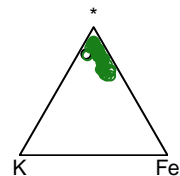
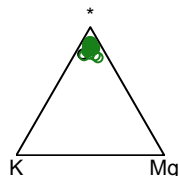
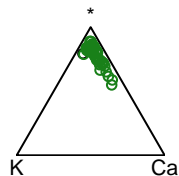
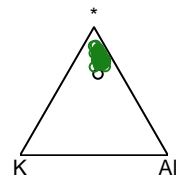
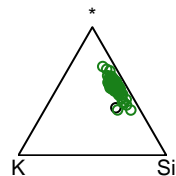
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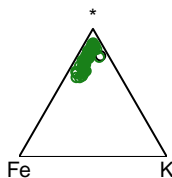
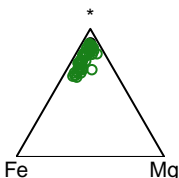
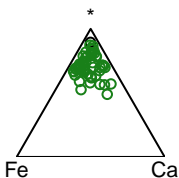
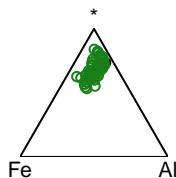
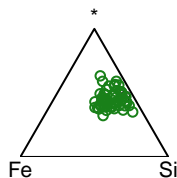
Mg



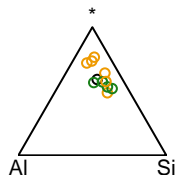
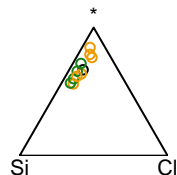
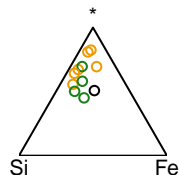
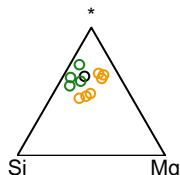
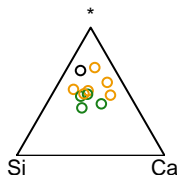
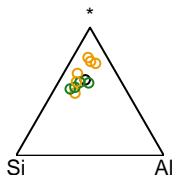
K



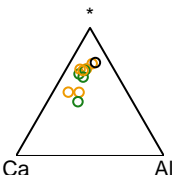
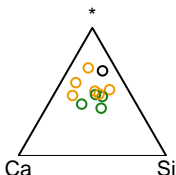
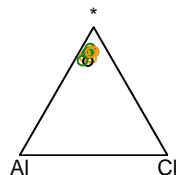
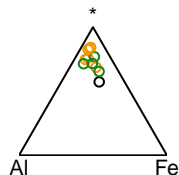
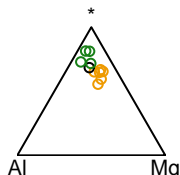
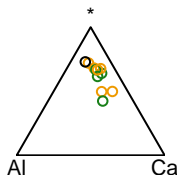
Fe



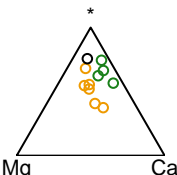
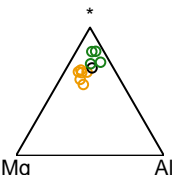
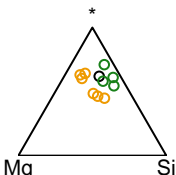
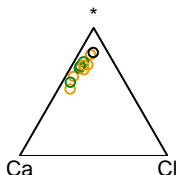
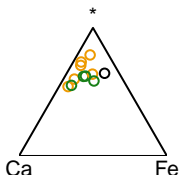
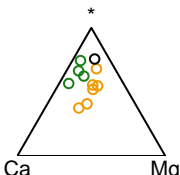
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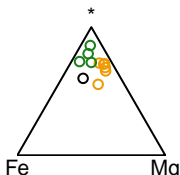
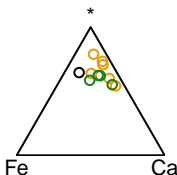
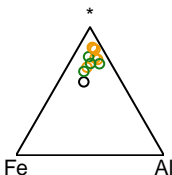
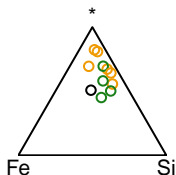
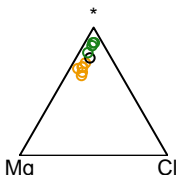
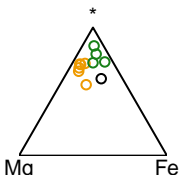
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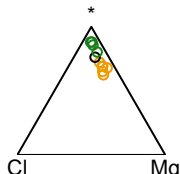
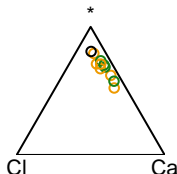
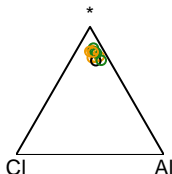
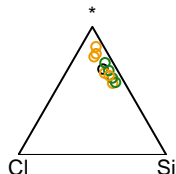
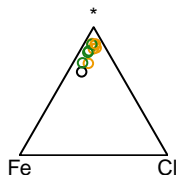
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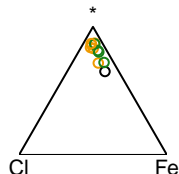
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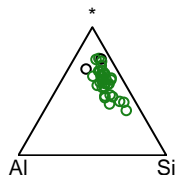
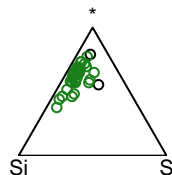
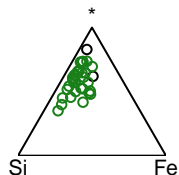
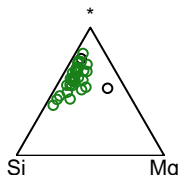
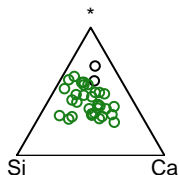
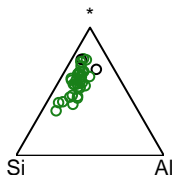
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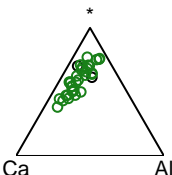
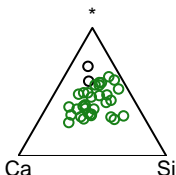
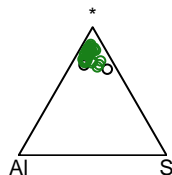
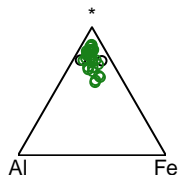
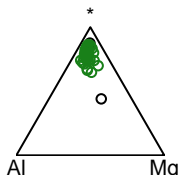
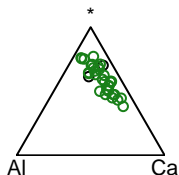
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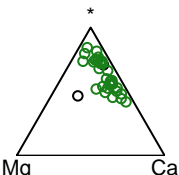
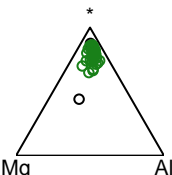
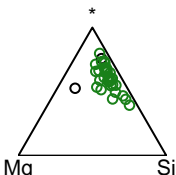
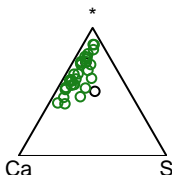
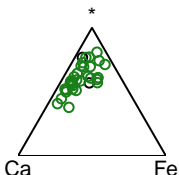
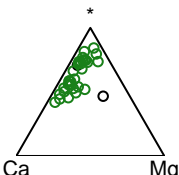
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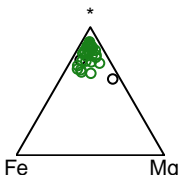
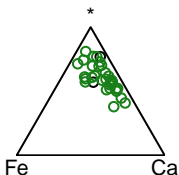
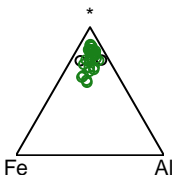
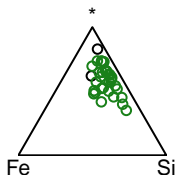
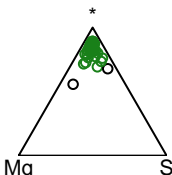
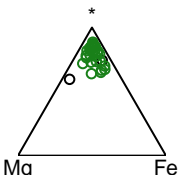
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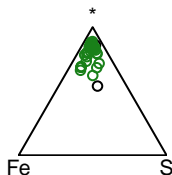
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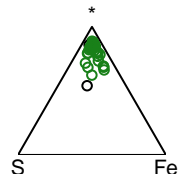
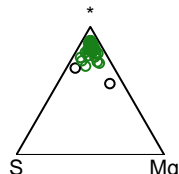
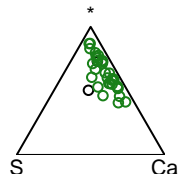
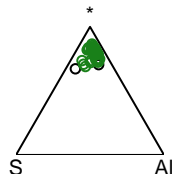
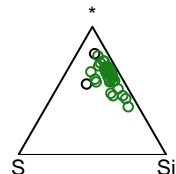
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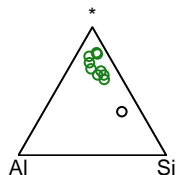
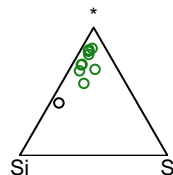
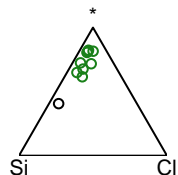
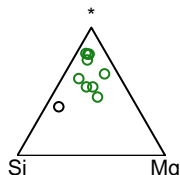
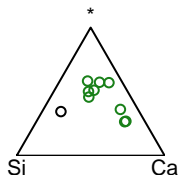
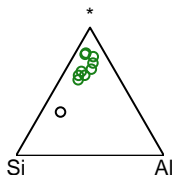
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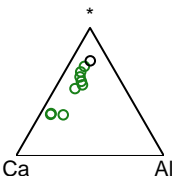
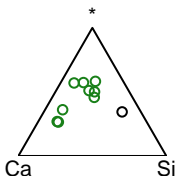
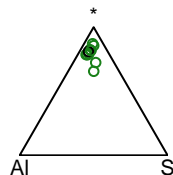
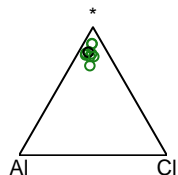
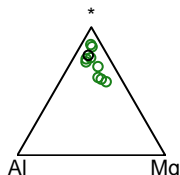
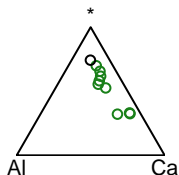
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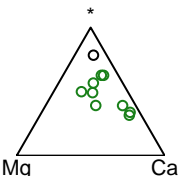
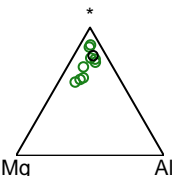
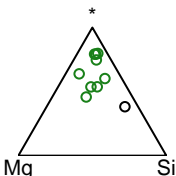
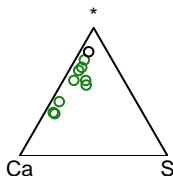
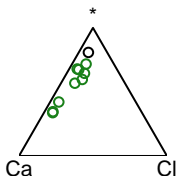
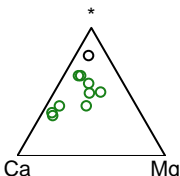
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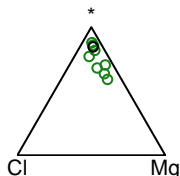
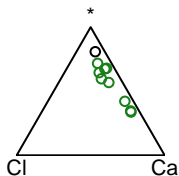
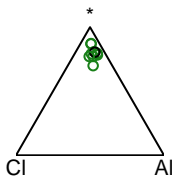
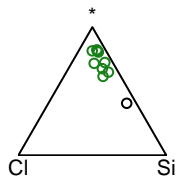
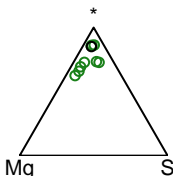
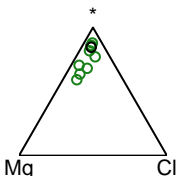
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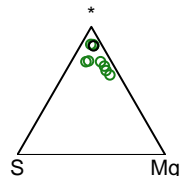
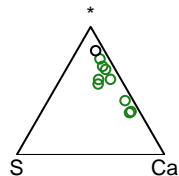
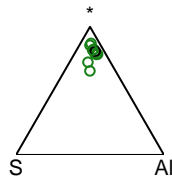
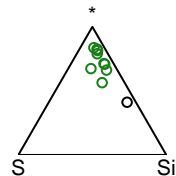
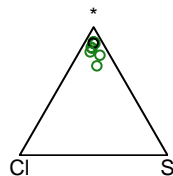
Ca



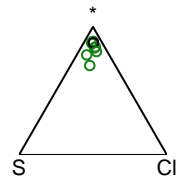
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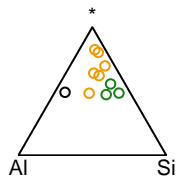
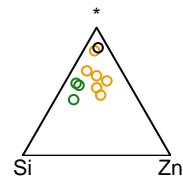
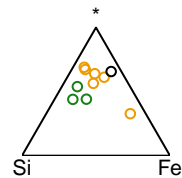
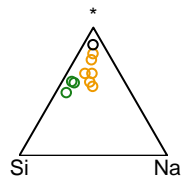
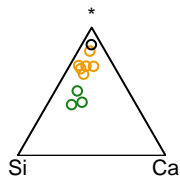
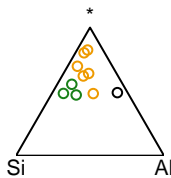
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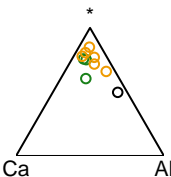
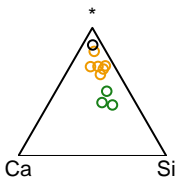
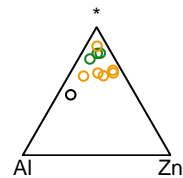
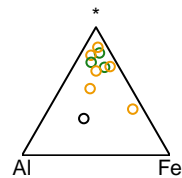
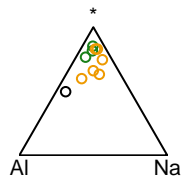
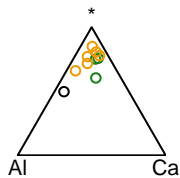
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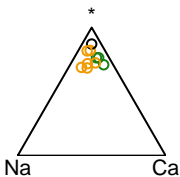
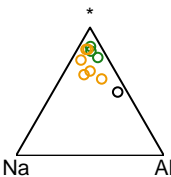
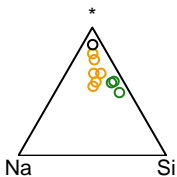
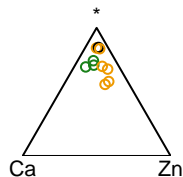
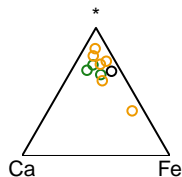
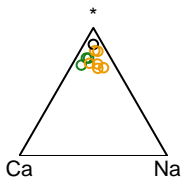
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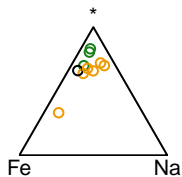
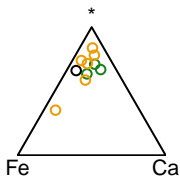
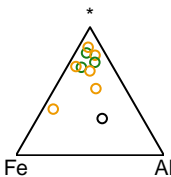
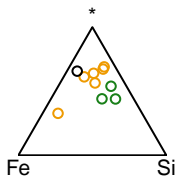
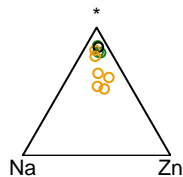
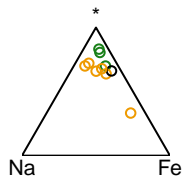
# AI



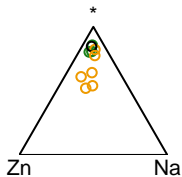
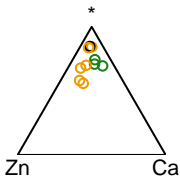
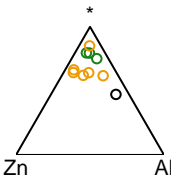
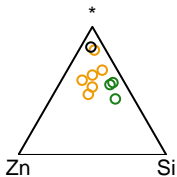
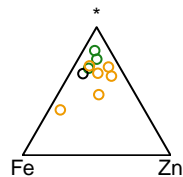
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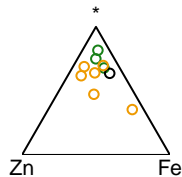
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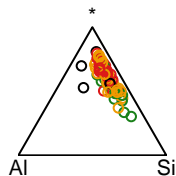
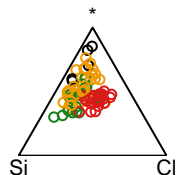
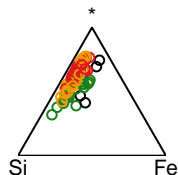
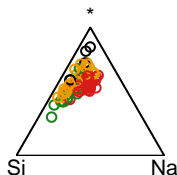
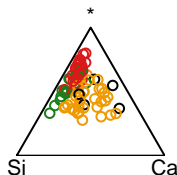
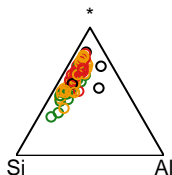
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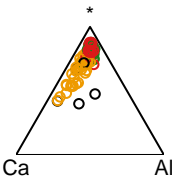
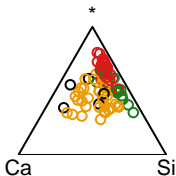
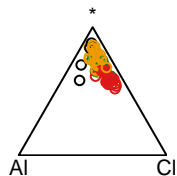
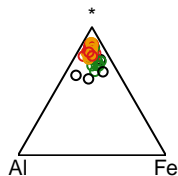
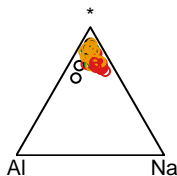
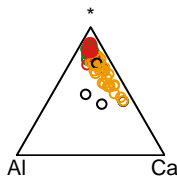
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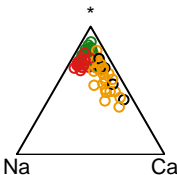
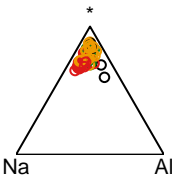
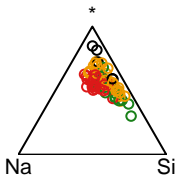
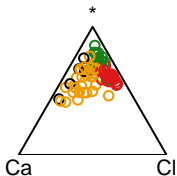
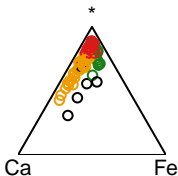
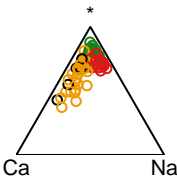
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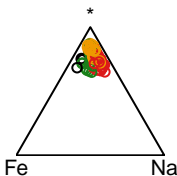
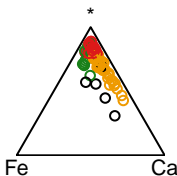
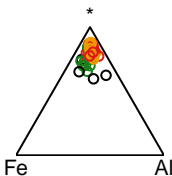
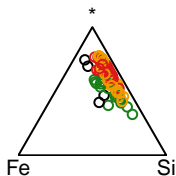
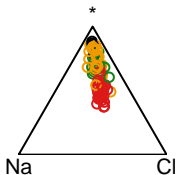
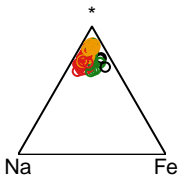
# AI



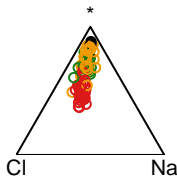
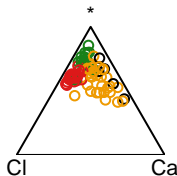
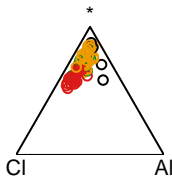
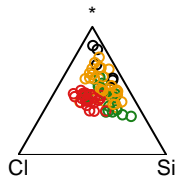
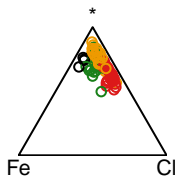
Ca



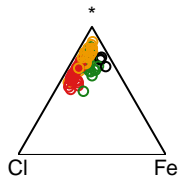
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Fe

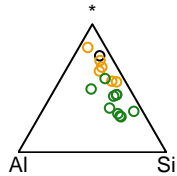
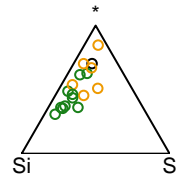
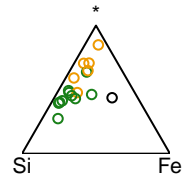
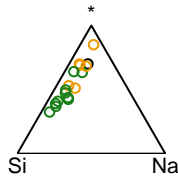
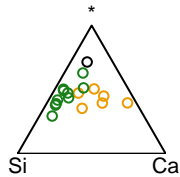
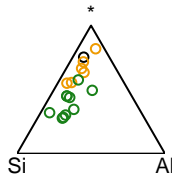


Cl

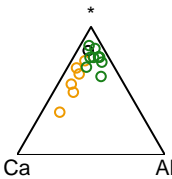
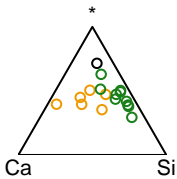
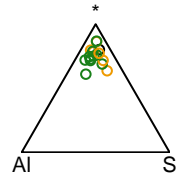
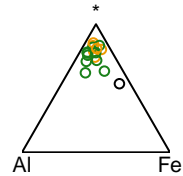
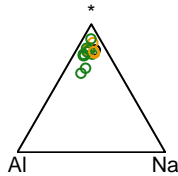
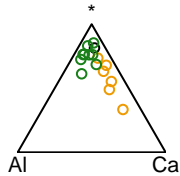




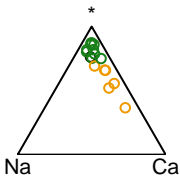
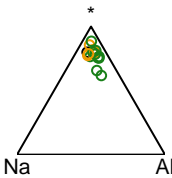
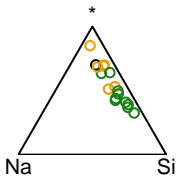
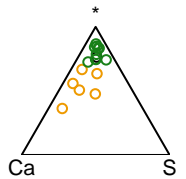
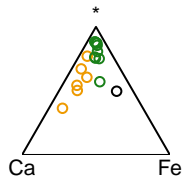
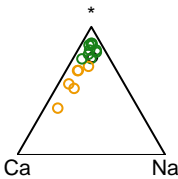
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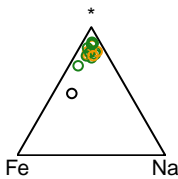
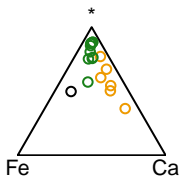
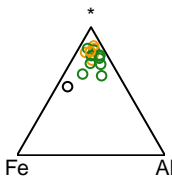
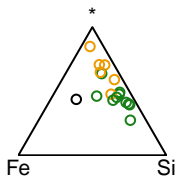
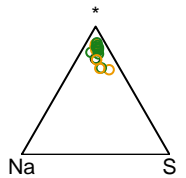
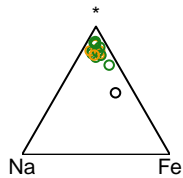
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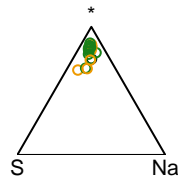
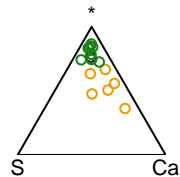
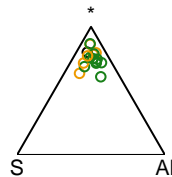
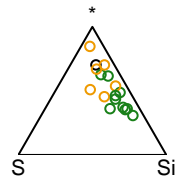
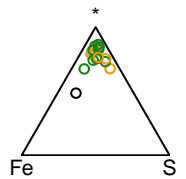
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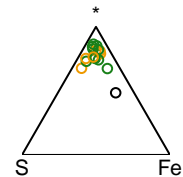
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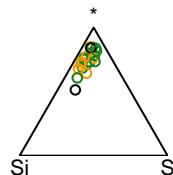
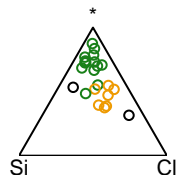
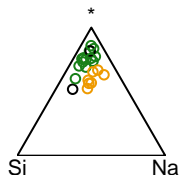
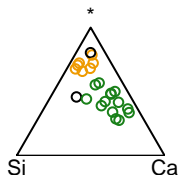
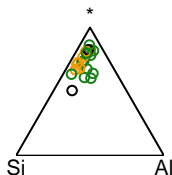
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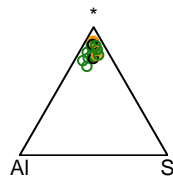
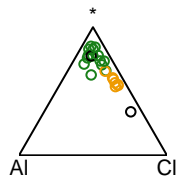
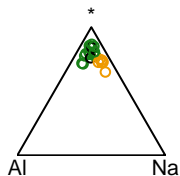
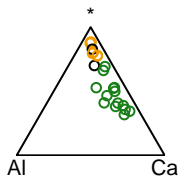
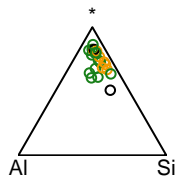
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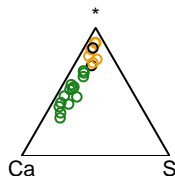
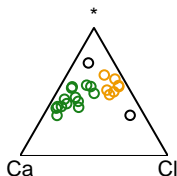
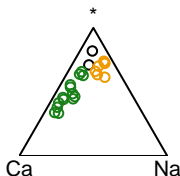
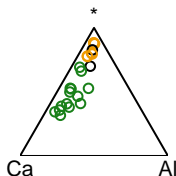
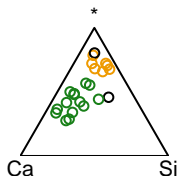
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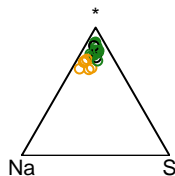
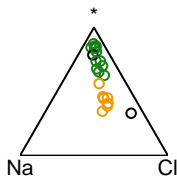
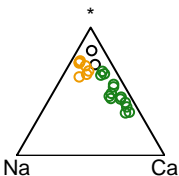
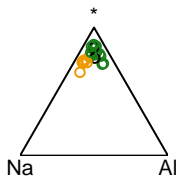
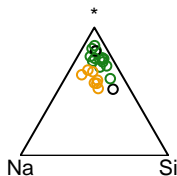
# AI



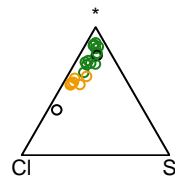
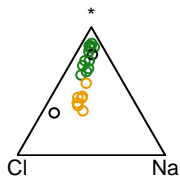
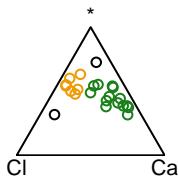
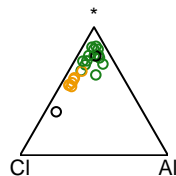
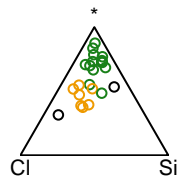
Ca



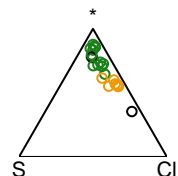
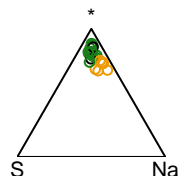
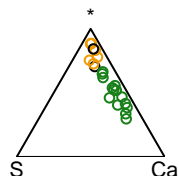
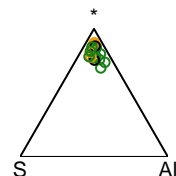
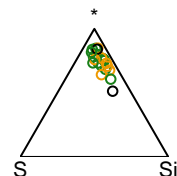
Na



Cl

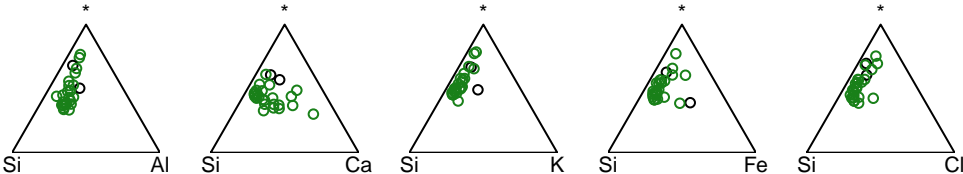


S

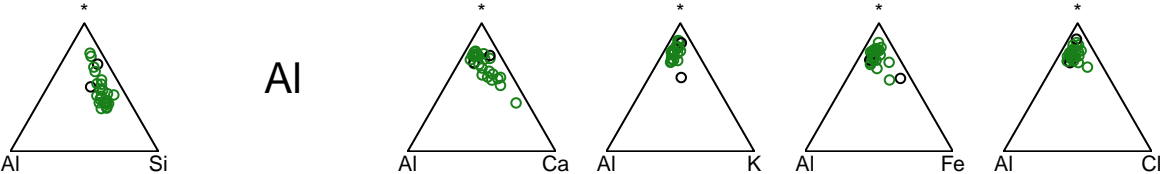


Si, Al, Ca, K, Fe, Cl

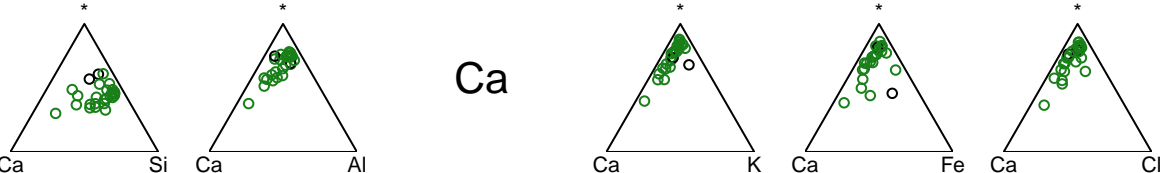
Si



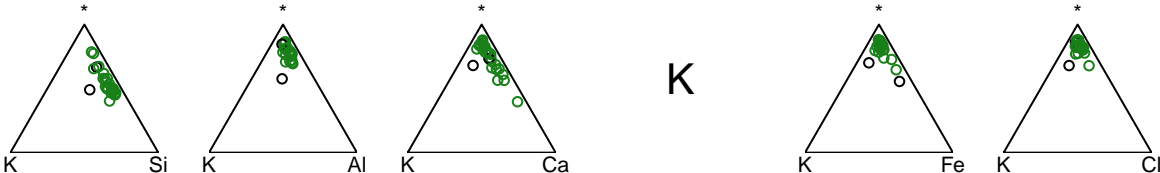
Al



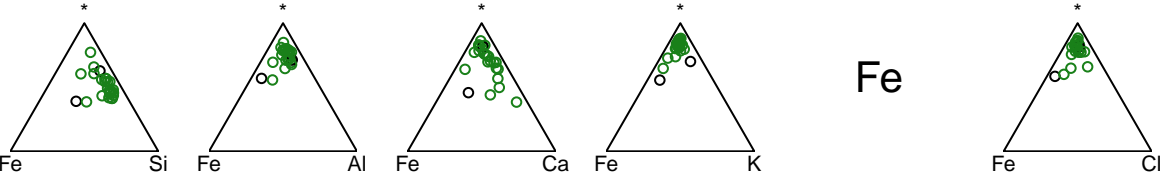
Ca



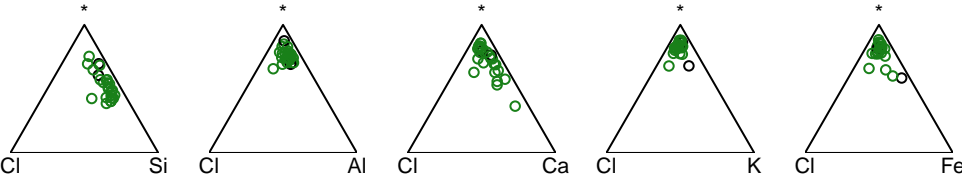
K



Fe

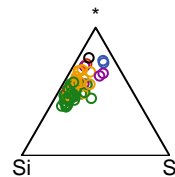
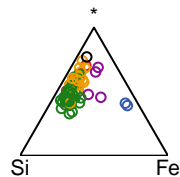
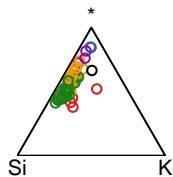
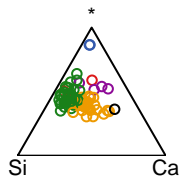
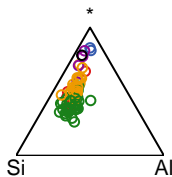


Cl

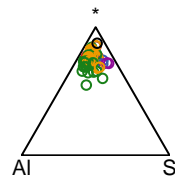
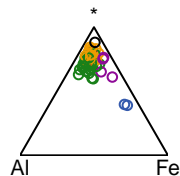
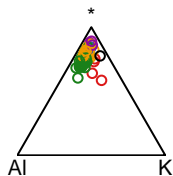
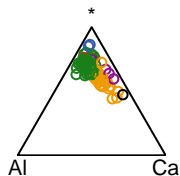
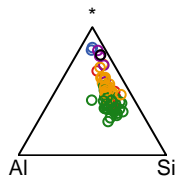


# Si, Al, Ca, K, Fe, S

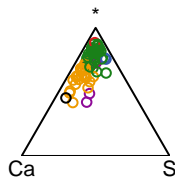
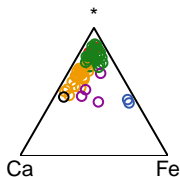
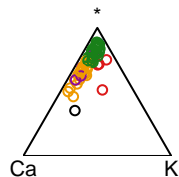
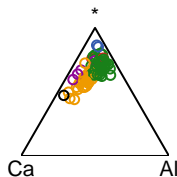
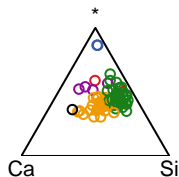
Si



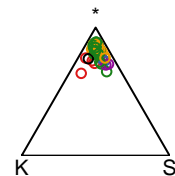
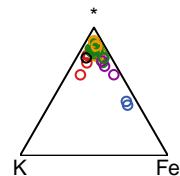
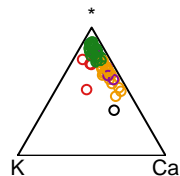
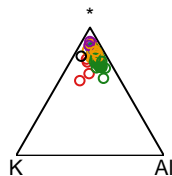
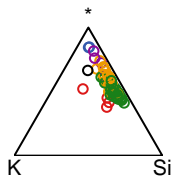
Al



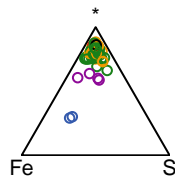
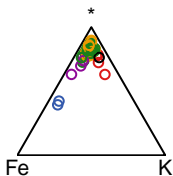
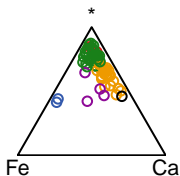
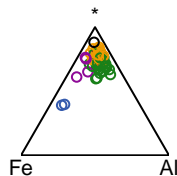
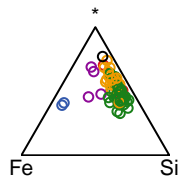
Ca



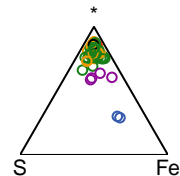
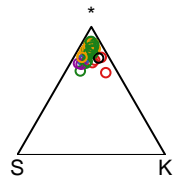
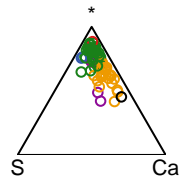
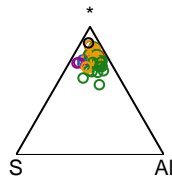
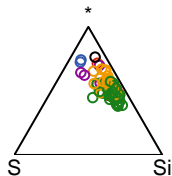
K



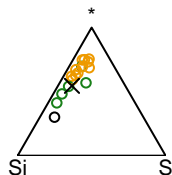
Fe



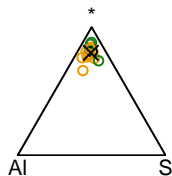
S



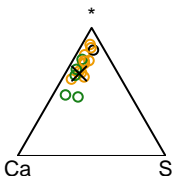
## Si



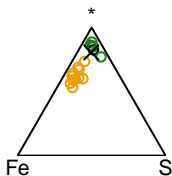
# AI



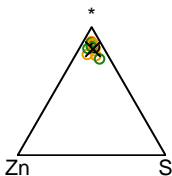
Ca



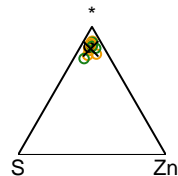
Fe



Zn

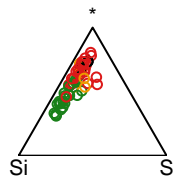
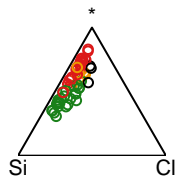
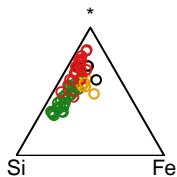
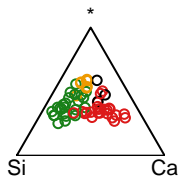
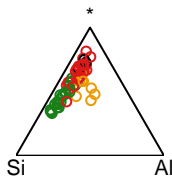


S

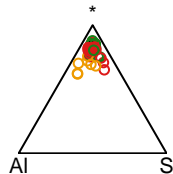
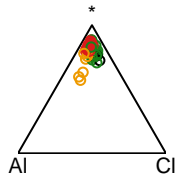
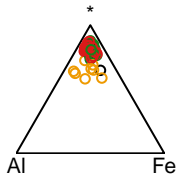
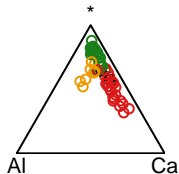
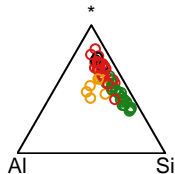


# Si, Al, Ca, Fe, Cl, S

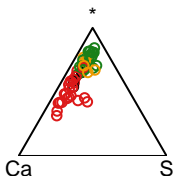
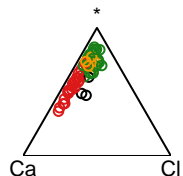
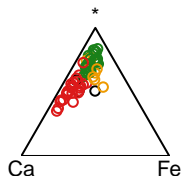
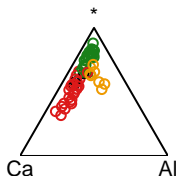
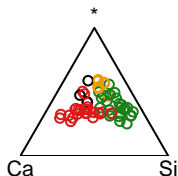
Si



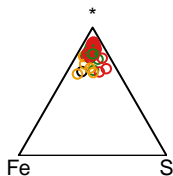
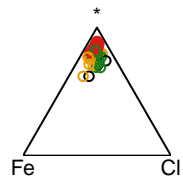
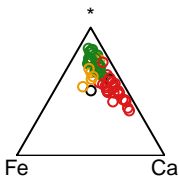
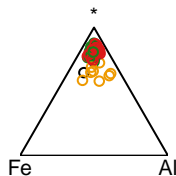
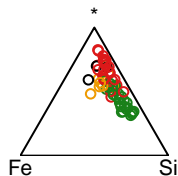
Al



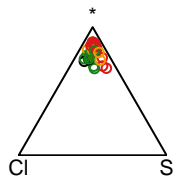
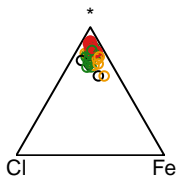
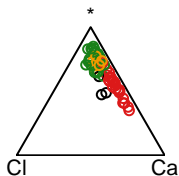
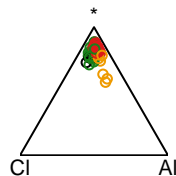
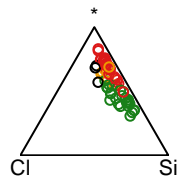
Ca



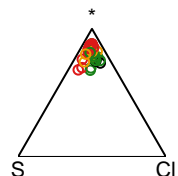
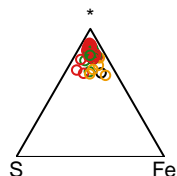
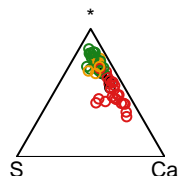
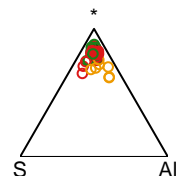
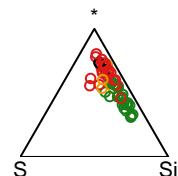
Fe



Cl

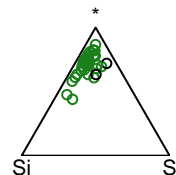
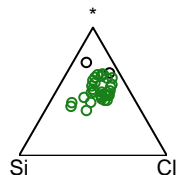
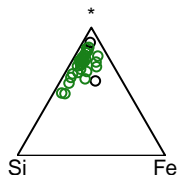
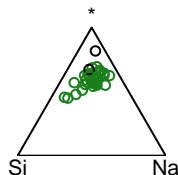
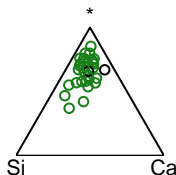


S

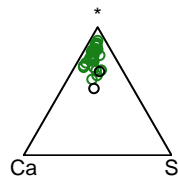
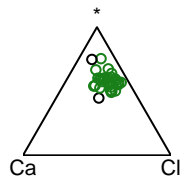
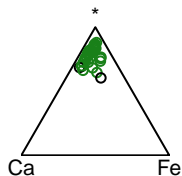
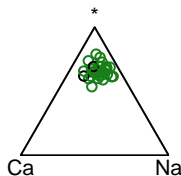
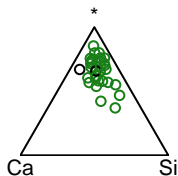


# Si, Ca, Na, Fe, Cl, S

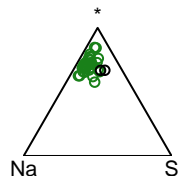
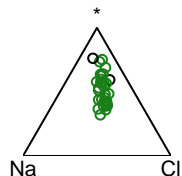
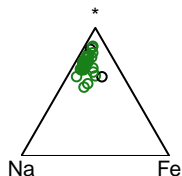
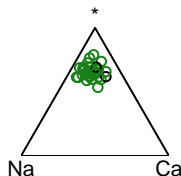
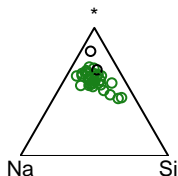
Si



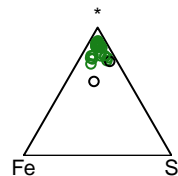
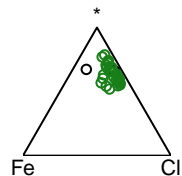
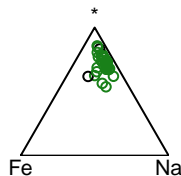
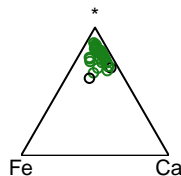
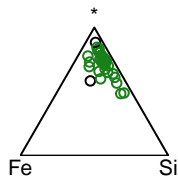
Ca



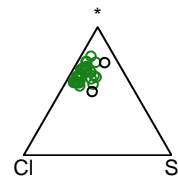
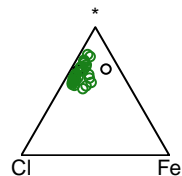
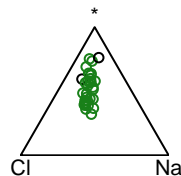
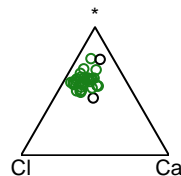
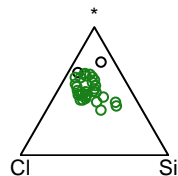
Na



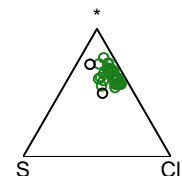
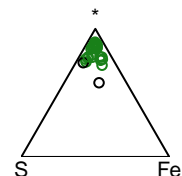
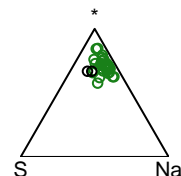
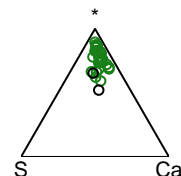
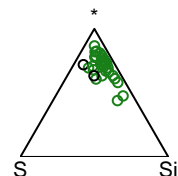
Fe



Cl

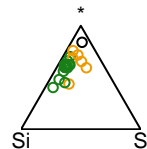
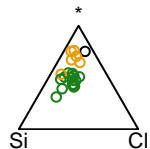
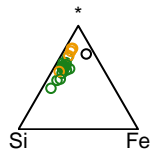
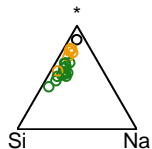
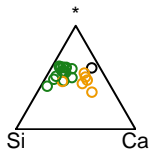
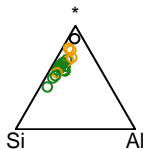


S

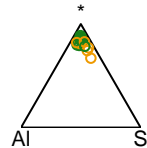
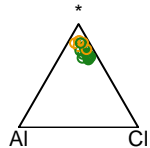
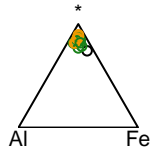
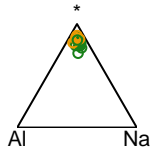
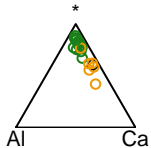
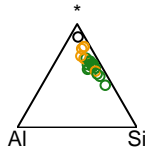


# Si, Al, Ca, Na, Fe, Cl, S

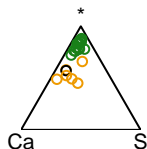
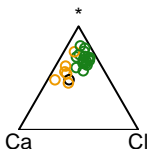
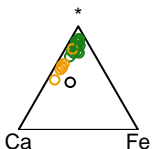
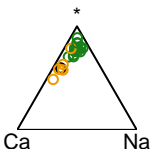
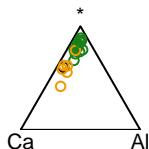
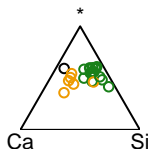
Si



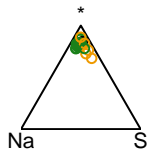
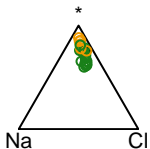
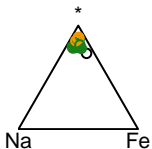
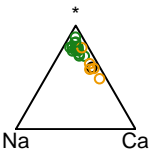
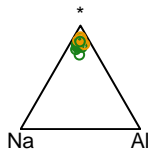
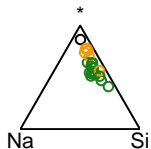
Al



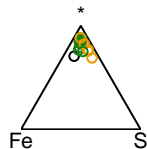
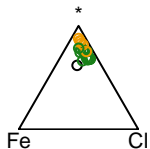
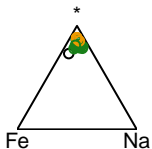
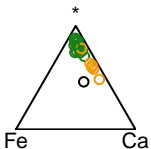
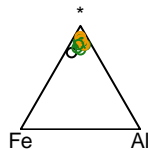
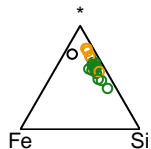
Ca



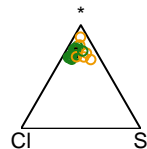
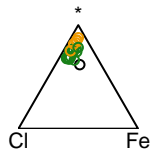
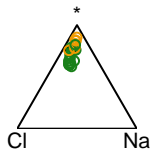
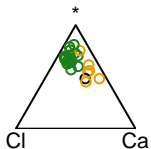
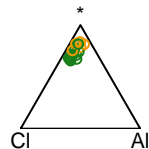
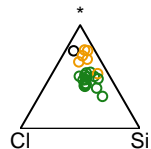
Na



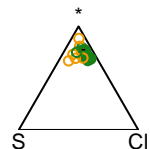
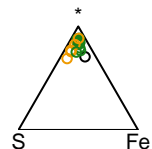
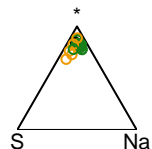
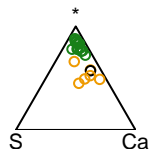
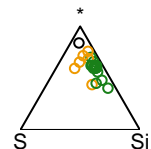
Fe



Cl



S

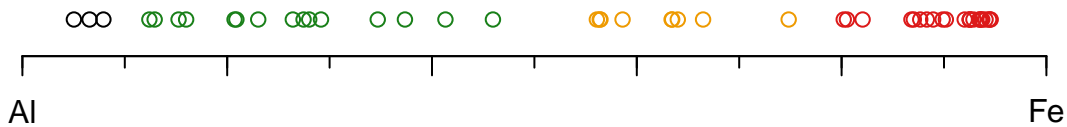




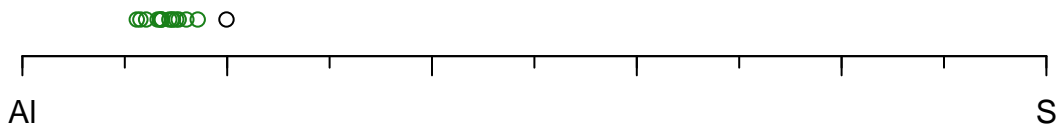
**Al, Ca**



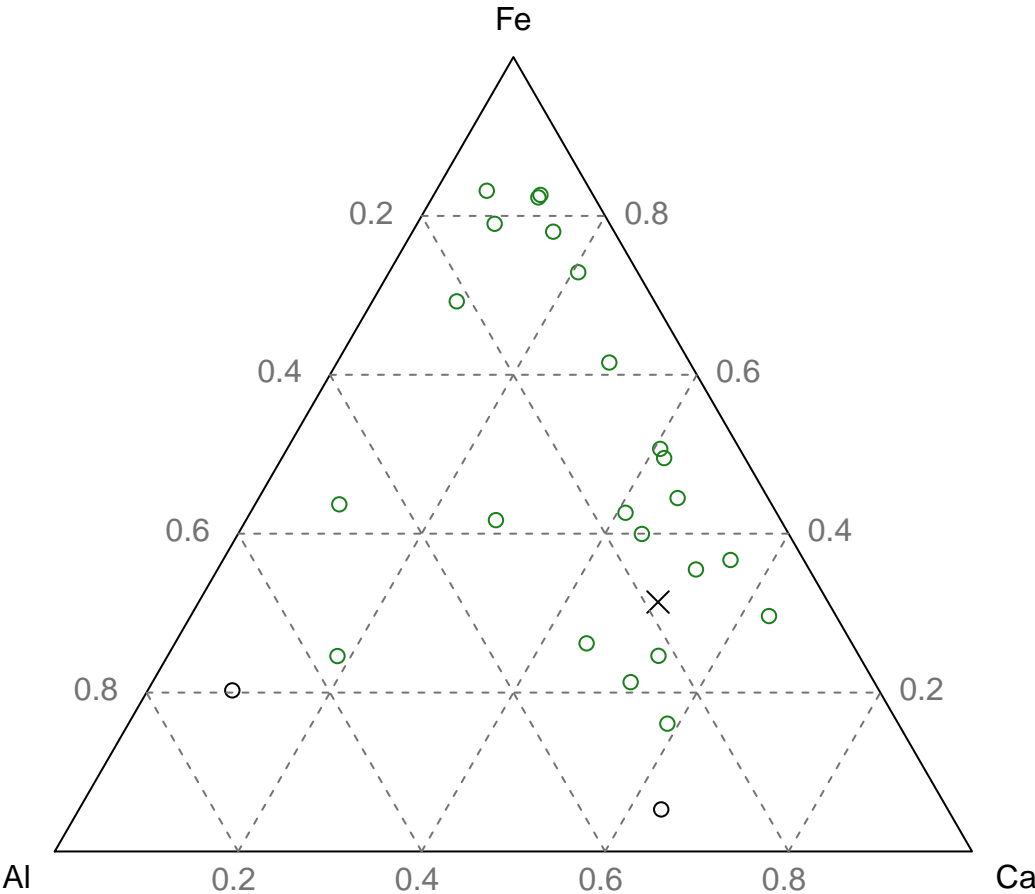
Al, Fe



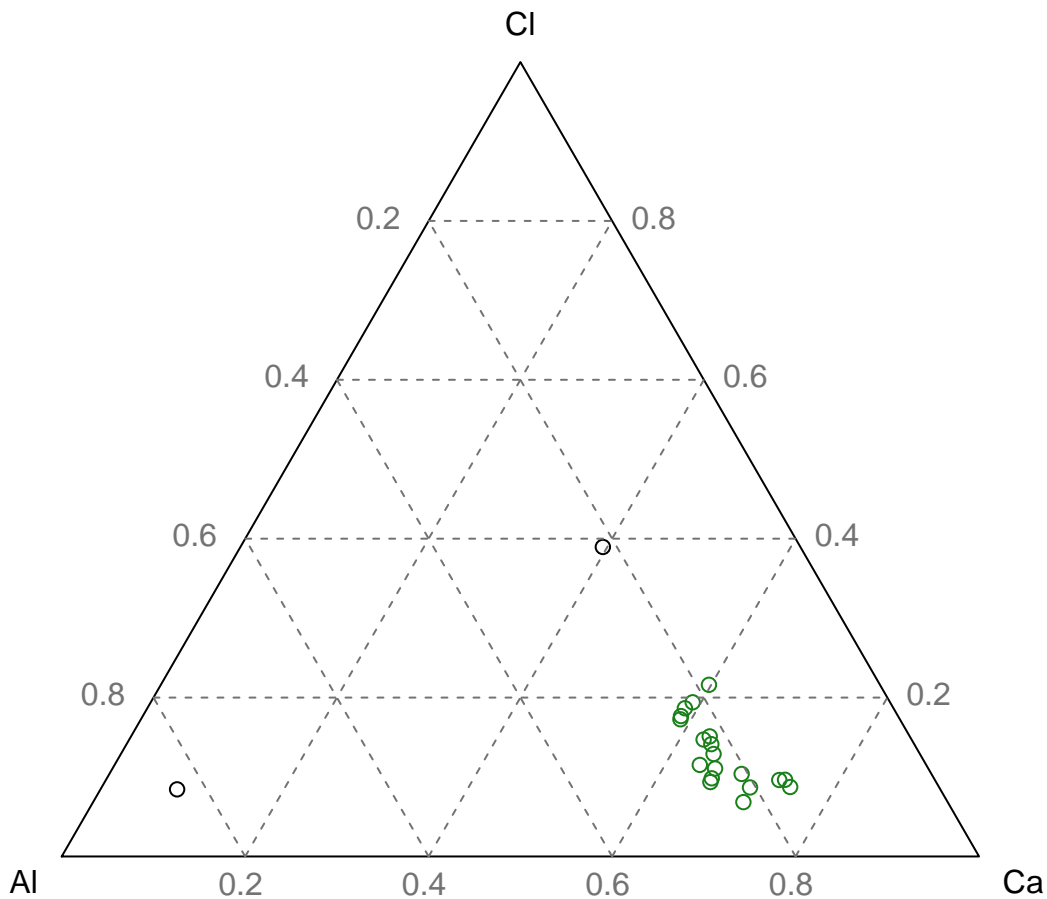
Al, S



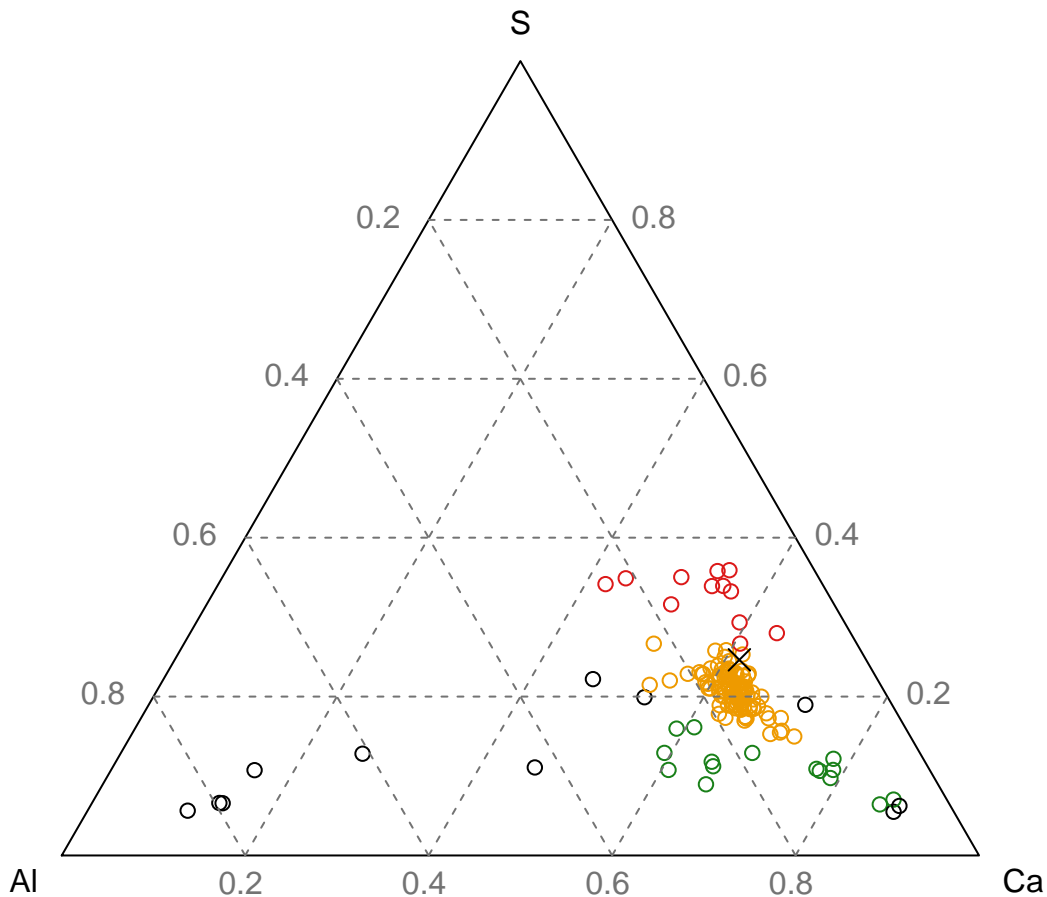
# Al, Ca, Fe



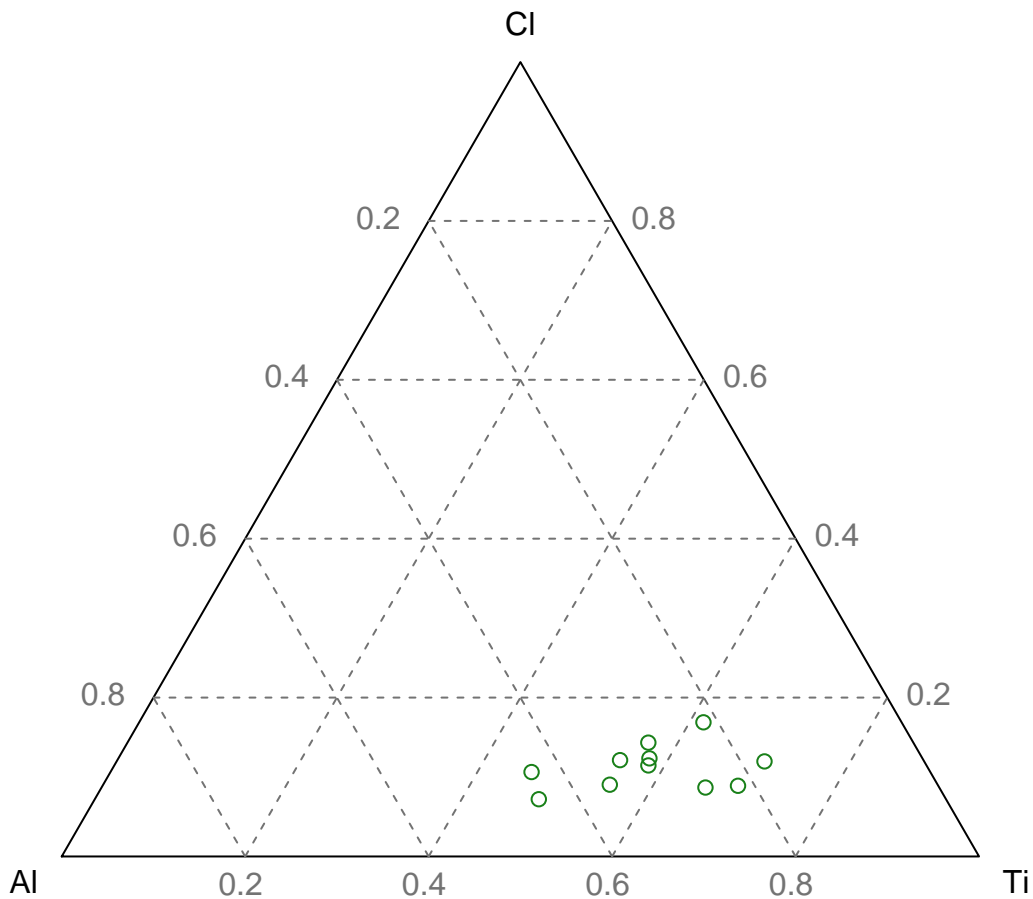
# Al, Ca, Cl



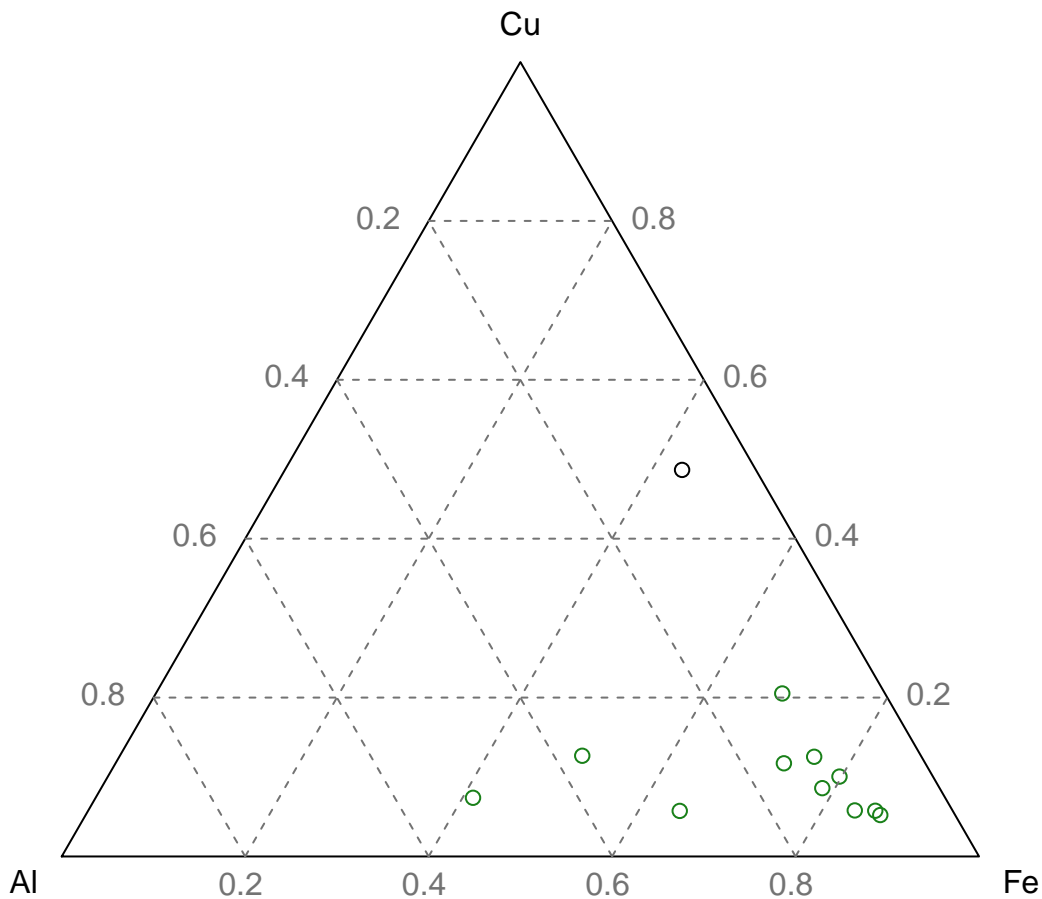
# Al, Ca, S



# Al, Ti, Cl



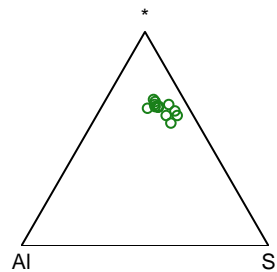
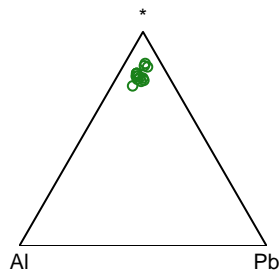
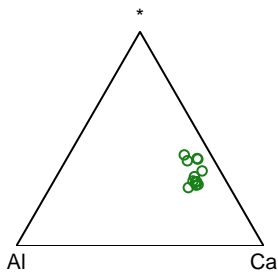
# Al, Fe, Cu



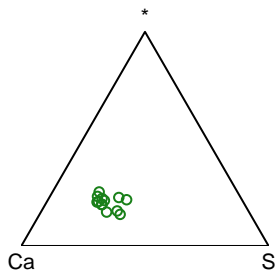
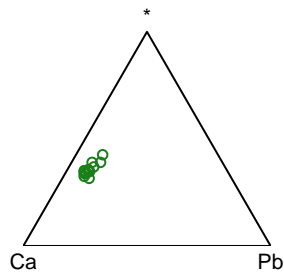
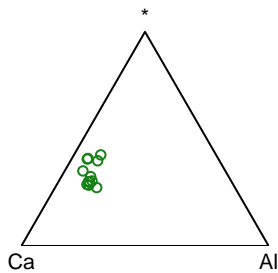


# Al, Ca, Pb, S

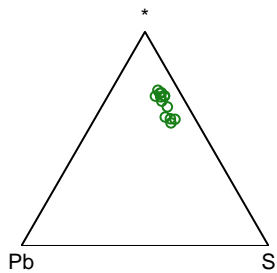
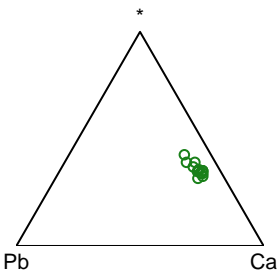
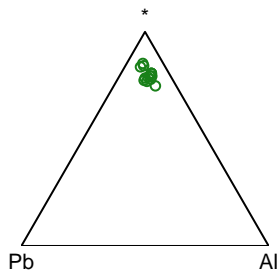
Al



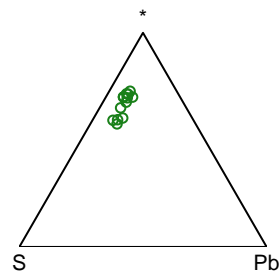
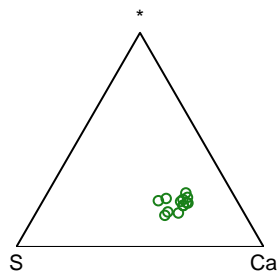
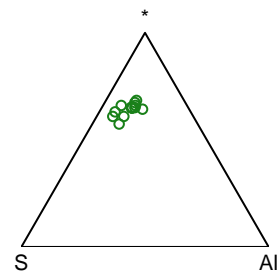
Ca



Pb

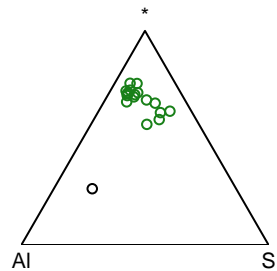
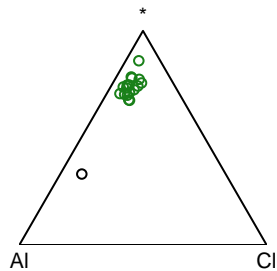
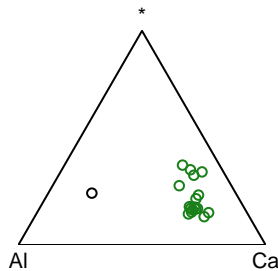


S

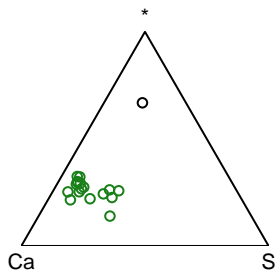
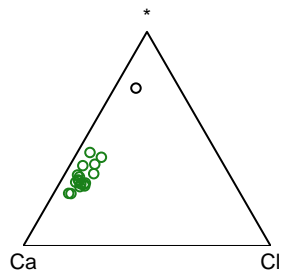
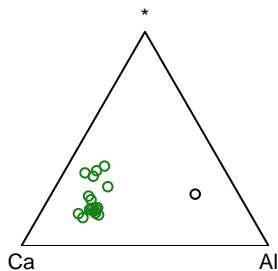


# Al, Ca, Cl, S

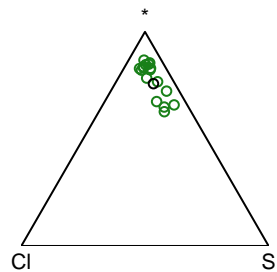
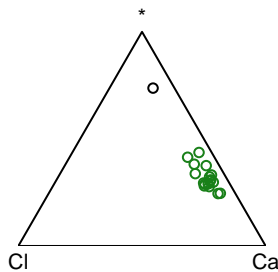
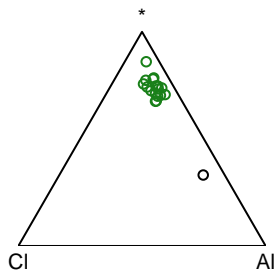
Al



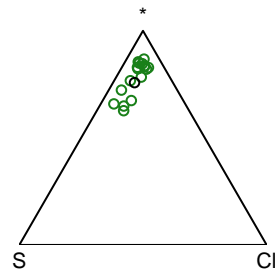
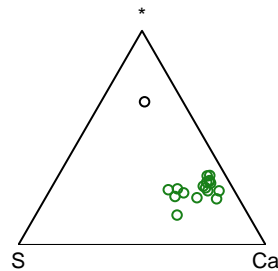
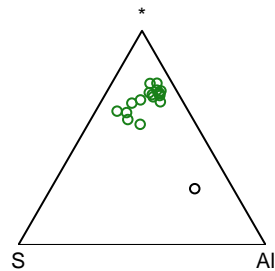
Ca



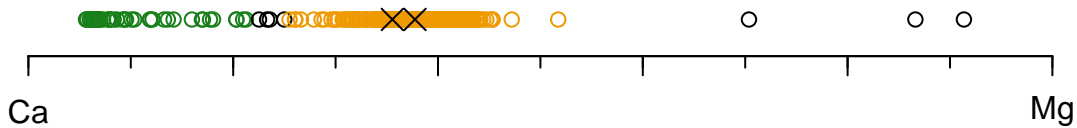
Cl



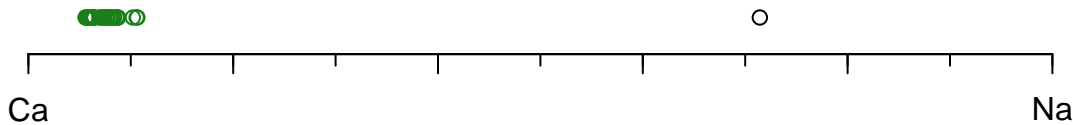
S



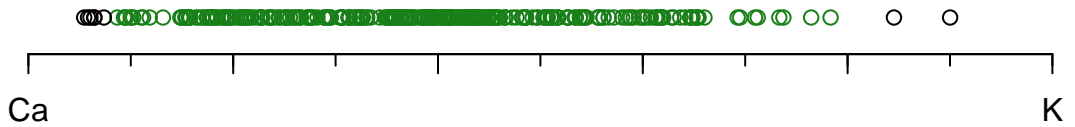
Ca, Mg



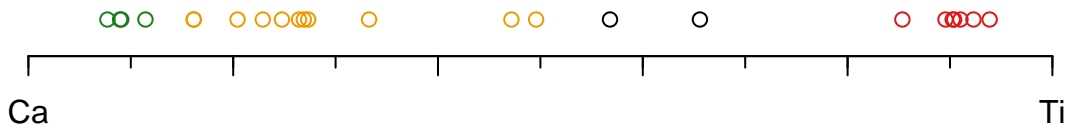
Ca, Na



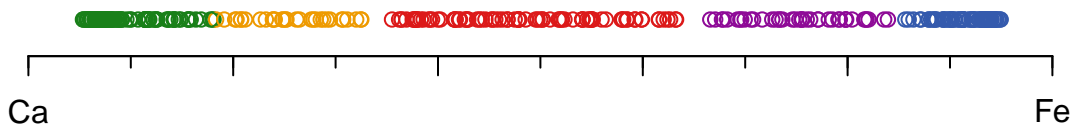
Ca, K



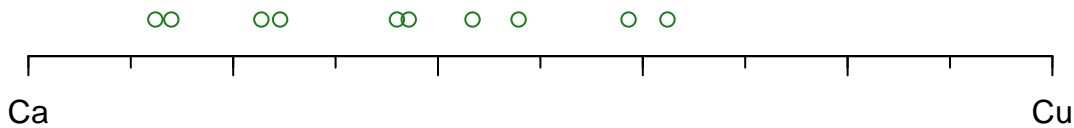
Ca, Ti



Ca, Fe

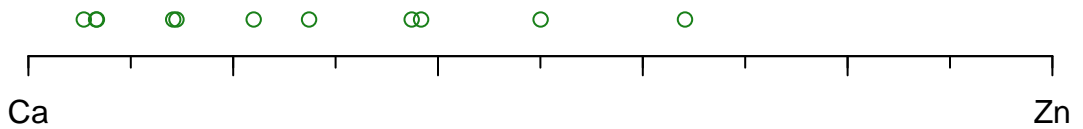


Ca, Cu

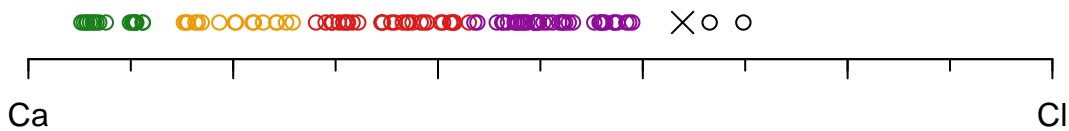




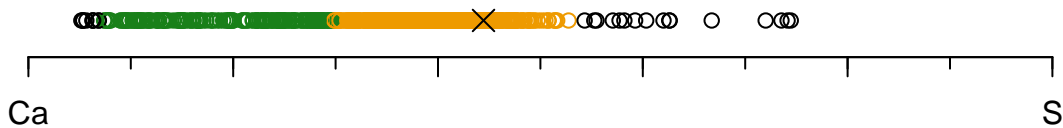
Ca, Zn



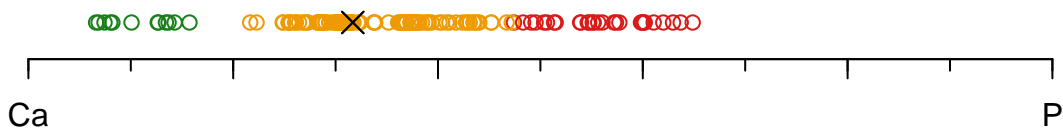
**Ca, Cl**



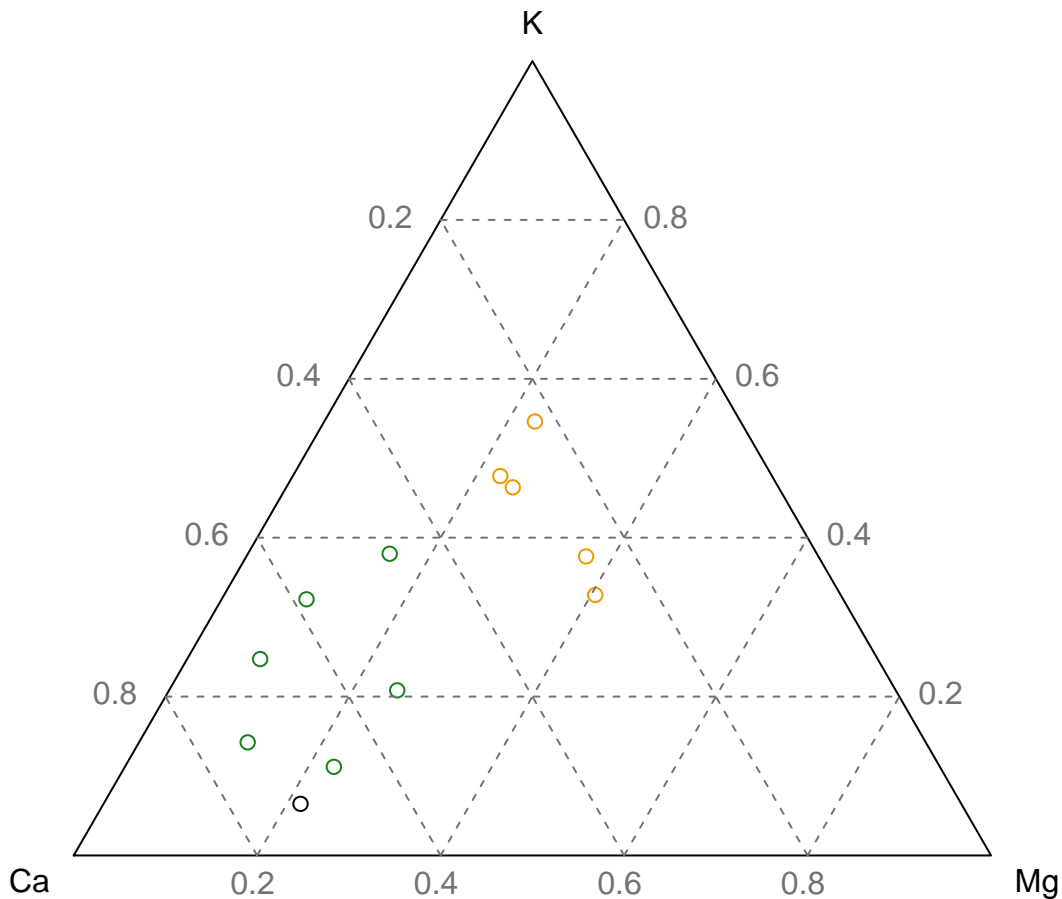
Ca, S



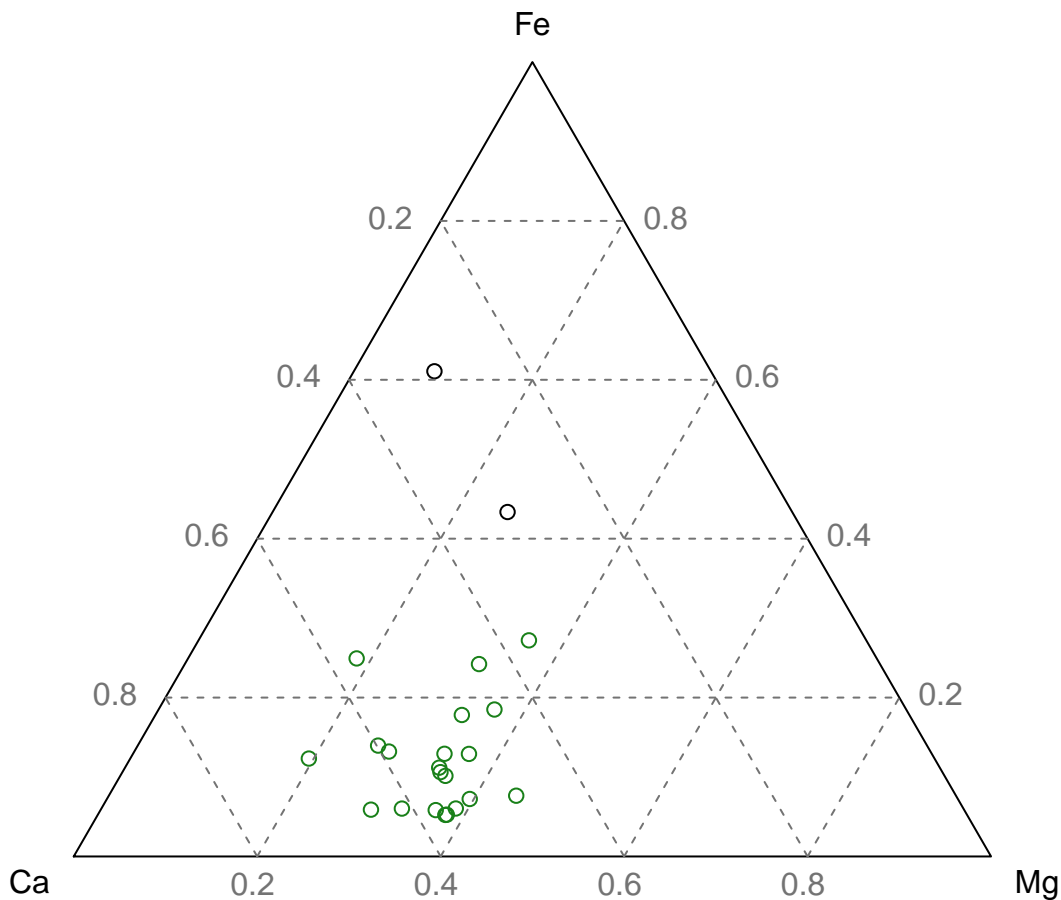
**Ca, P**



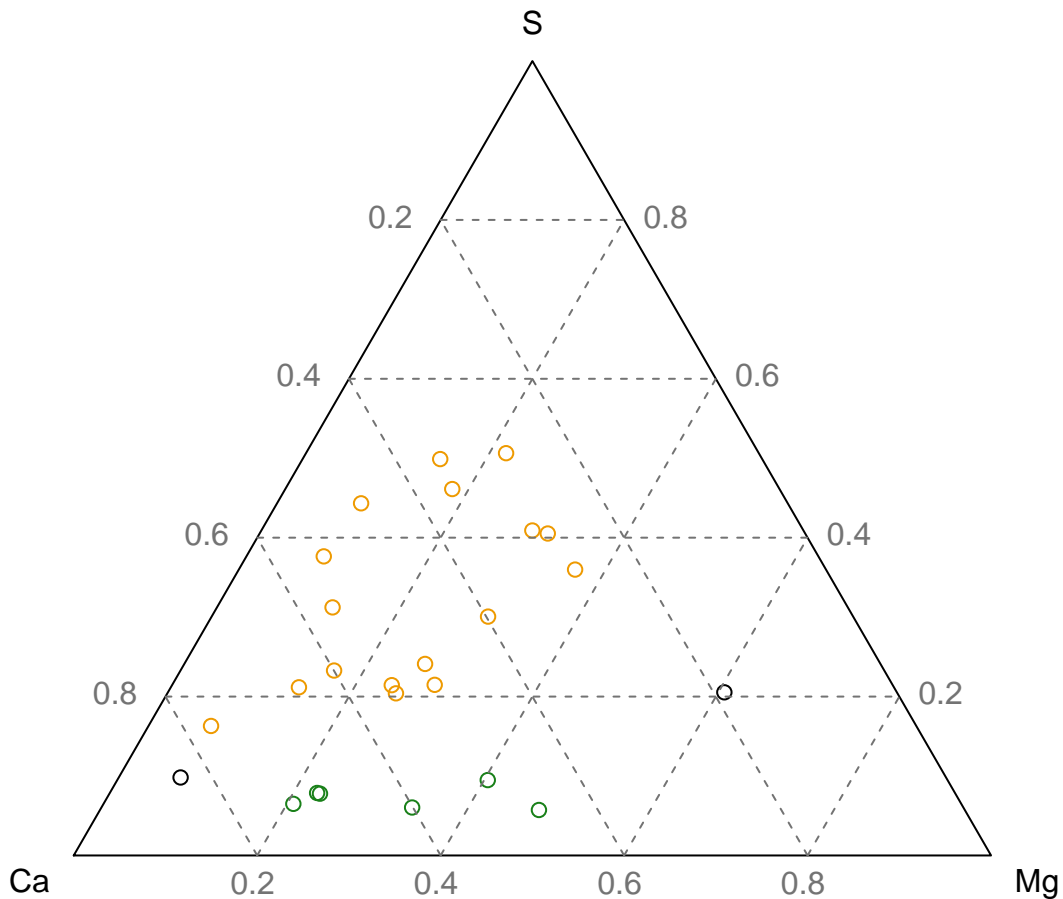
## Ca, Mg, K



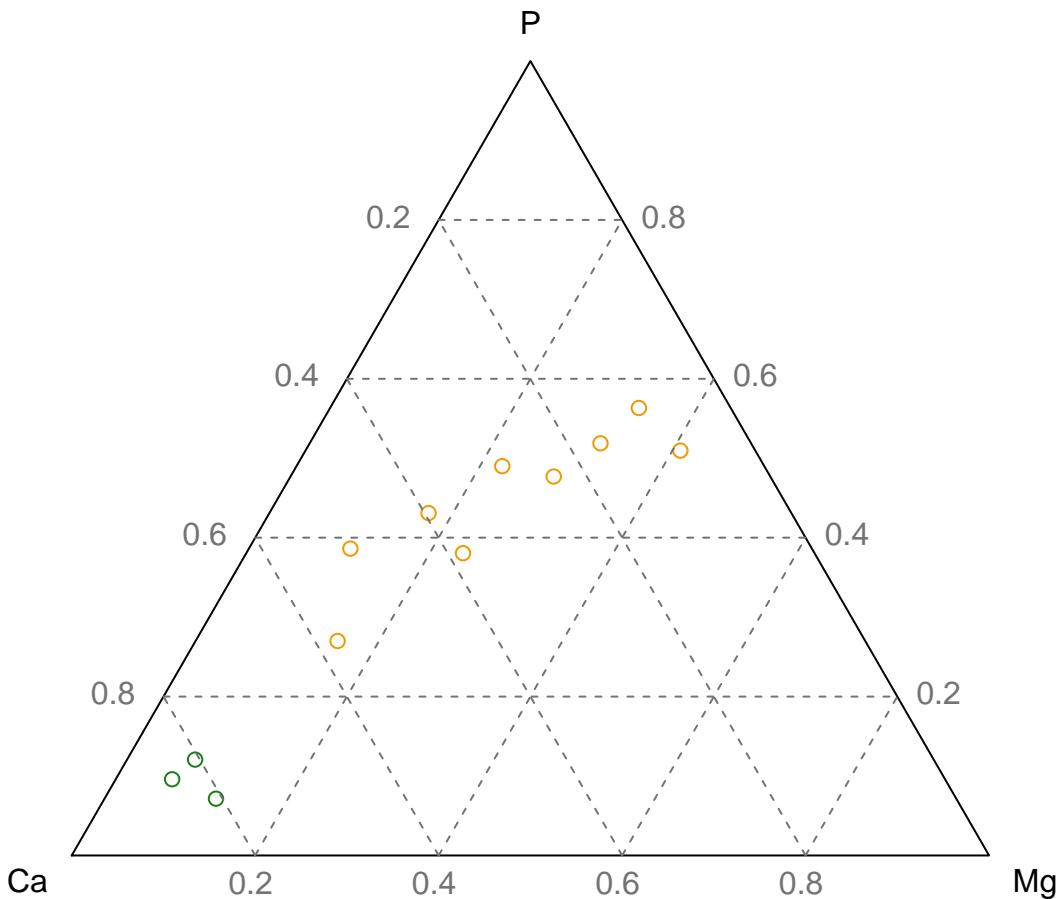
# Ca, Mg, Fe



## Ca, Mg, S

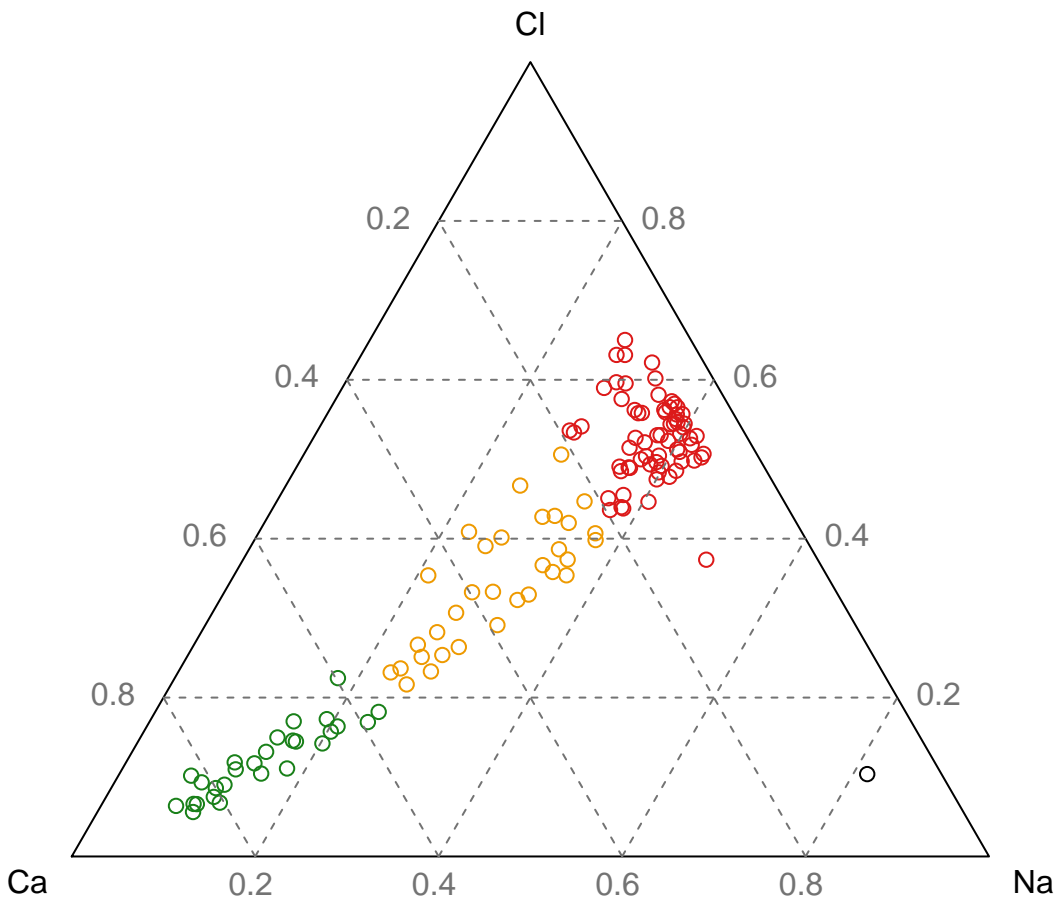


# Ca, Mg, P

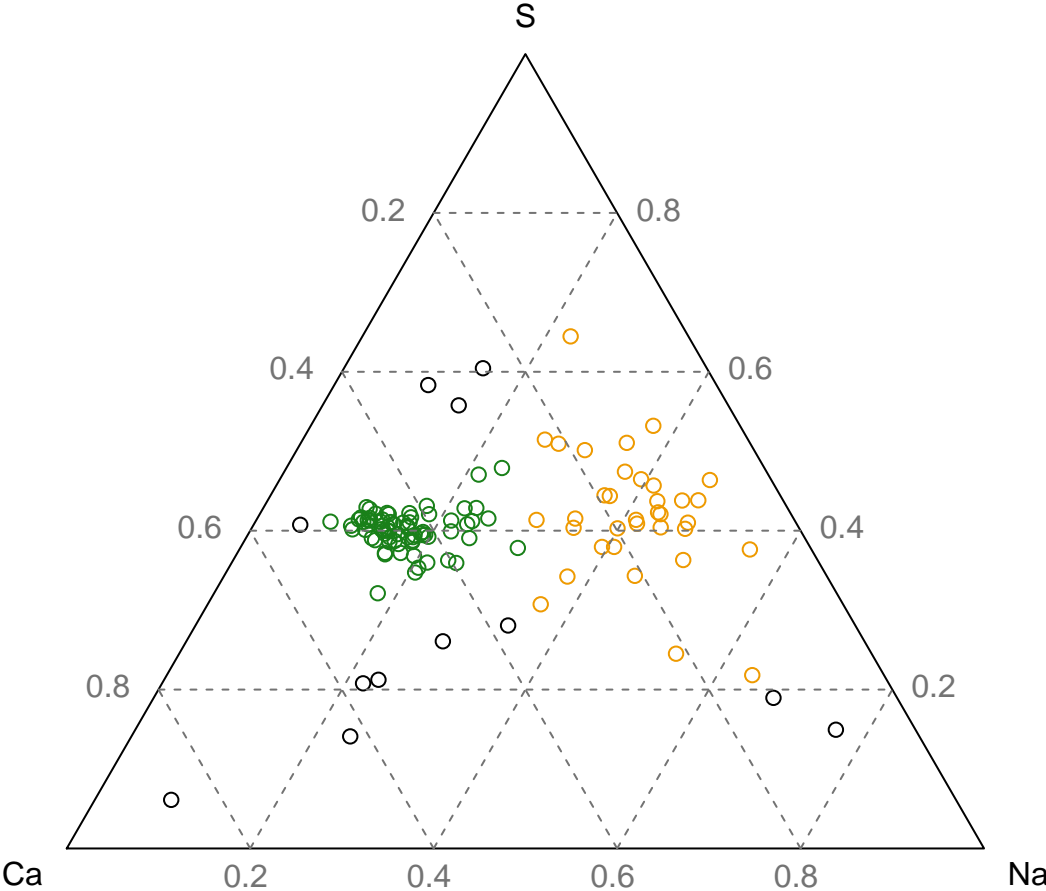




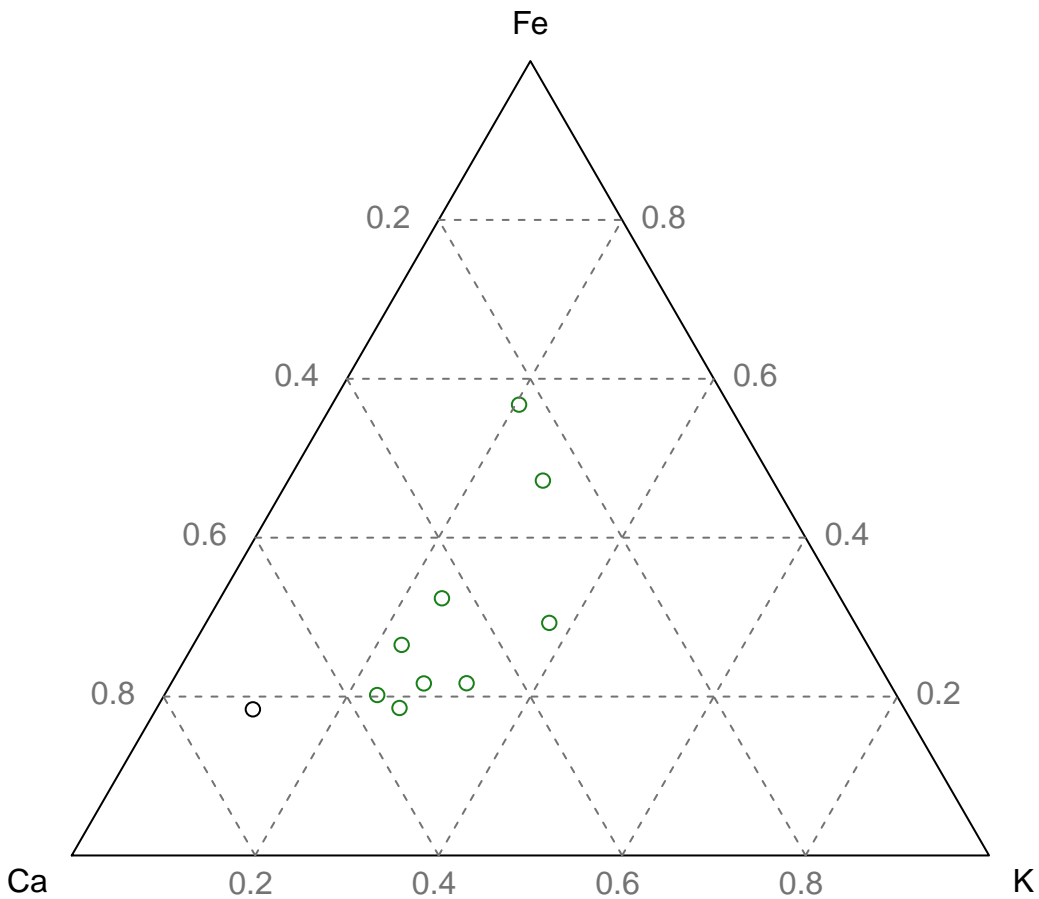
# Ca, Na, Cl



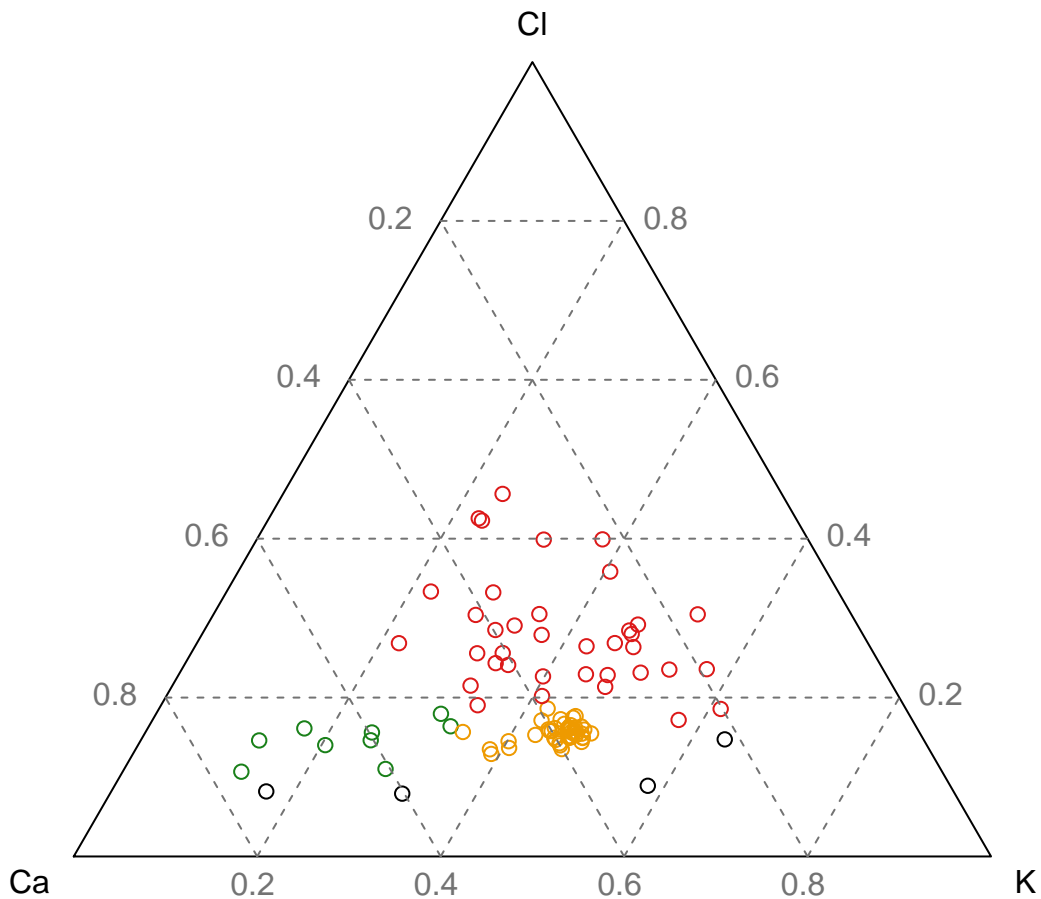
# Ca, Na, S



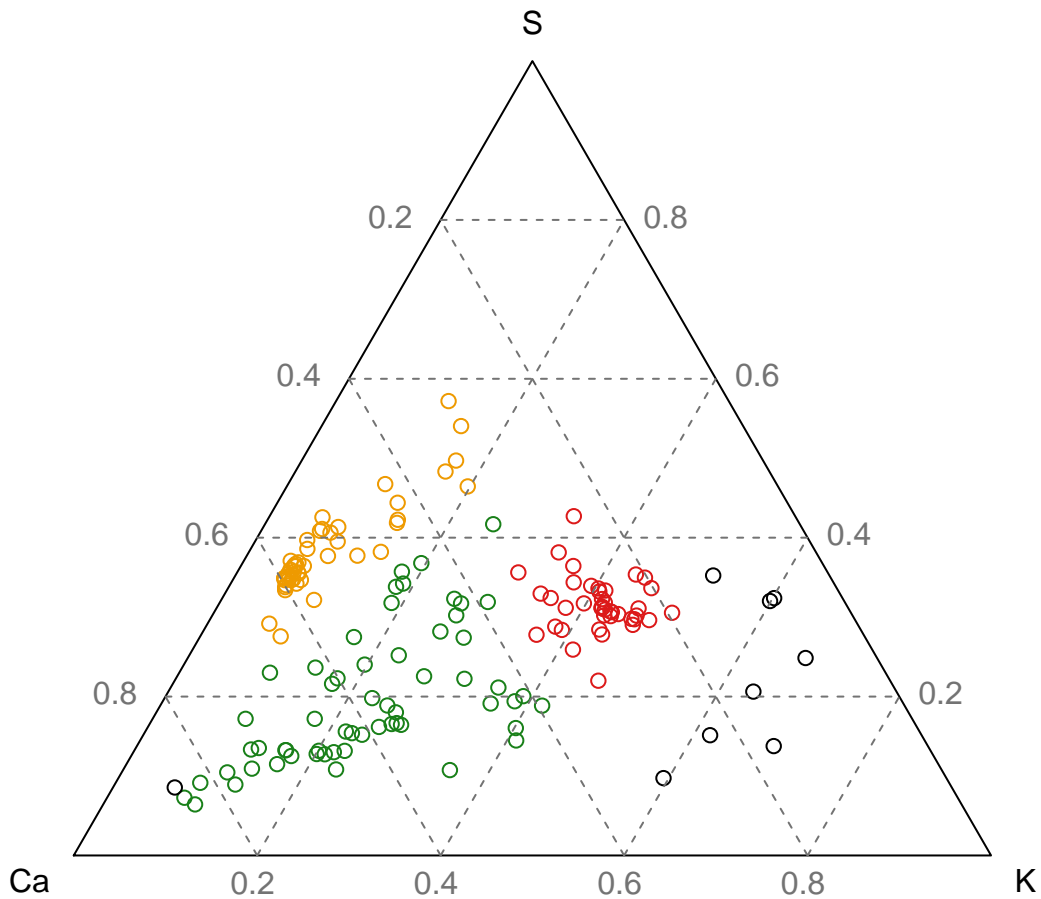
# Ca, K, Fe



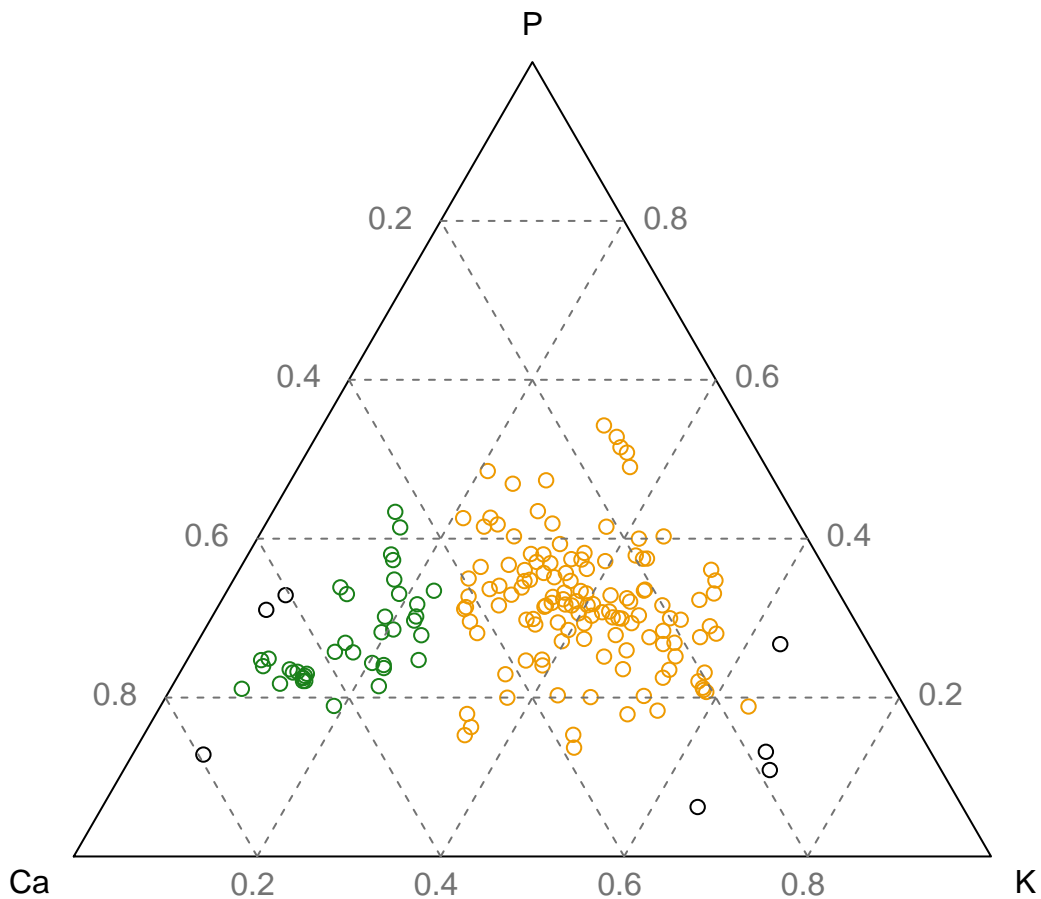
# Ca, K, Cl



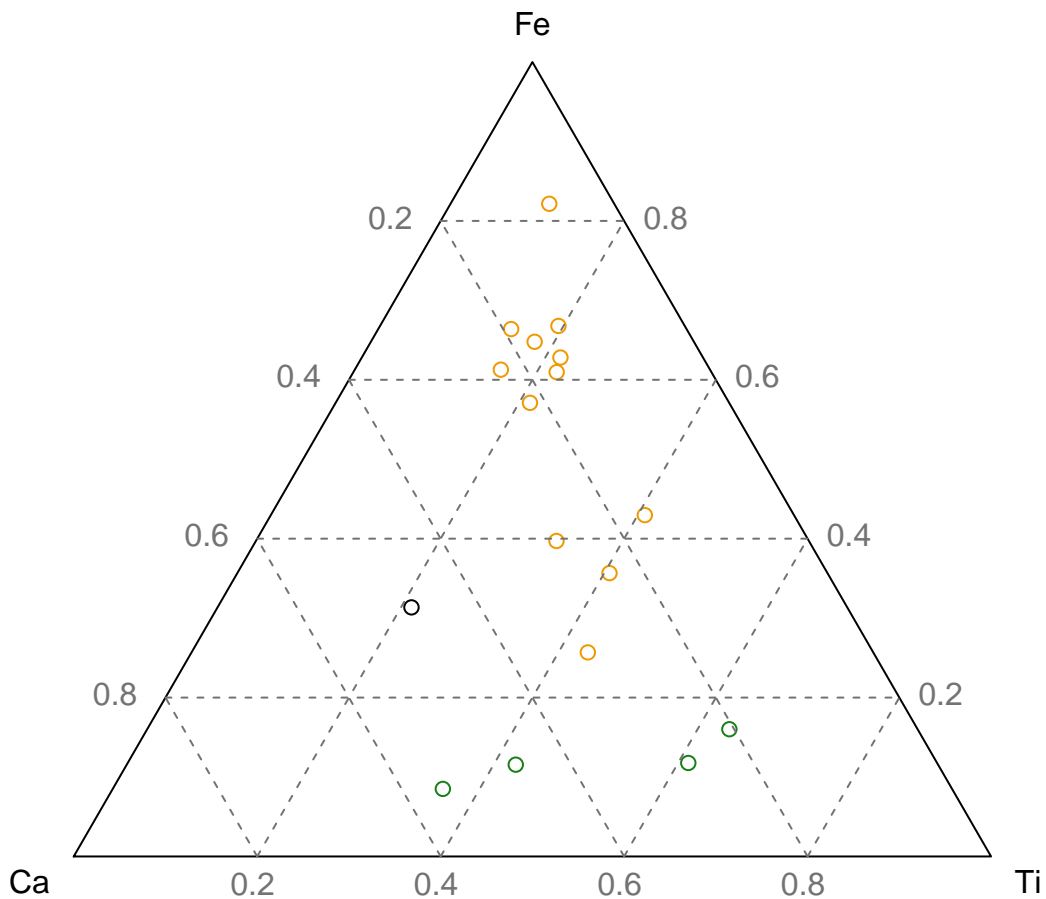
# Ca, K, S



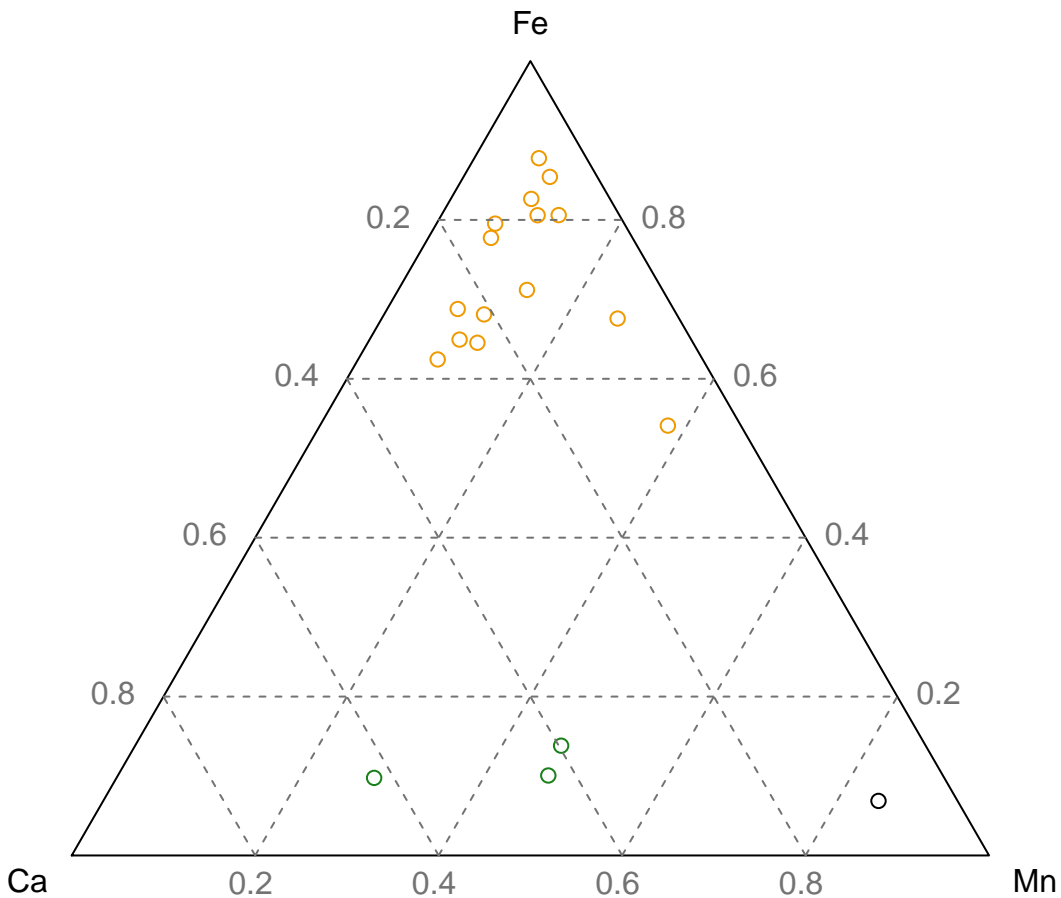
# Ca, K, P



# Ca, Ti, Fe

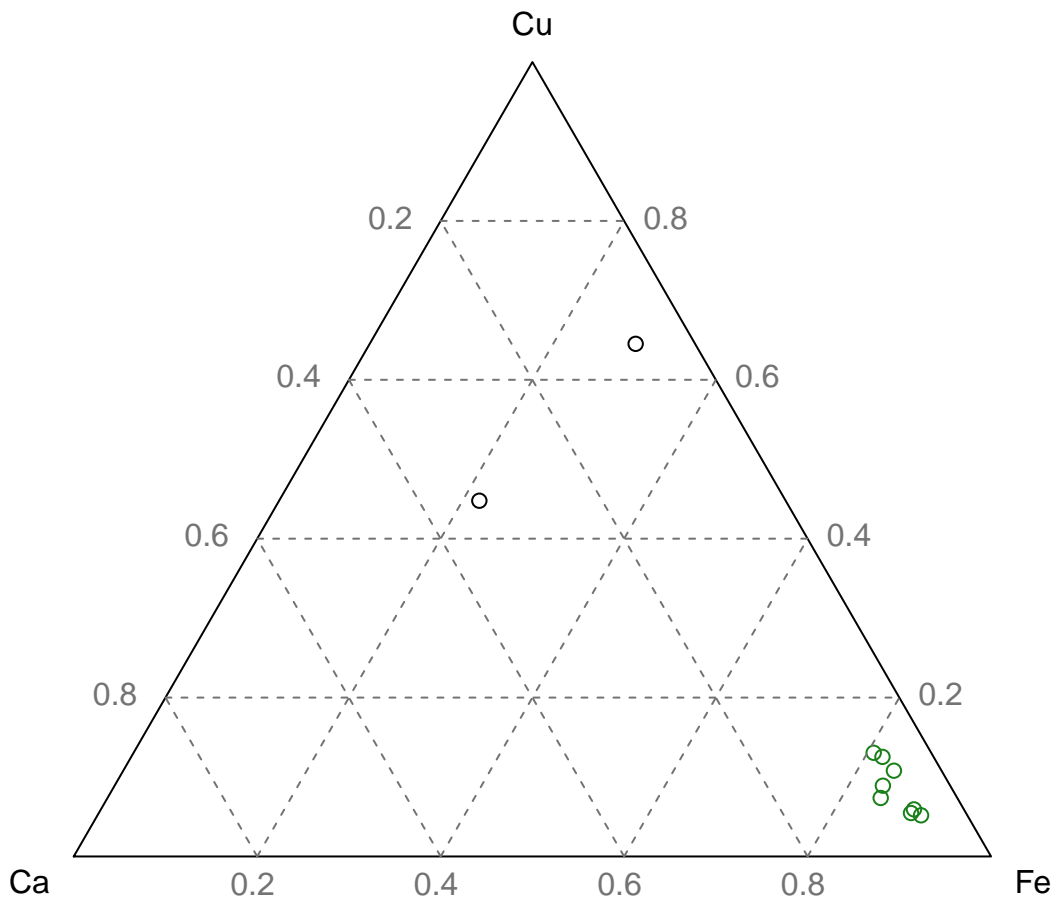


# Ca, Mn, Fe

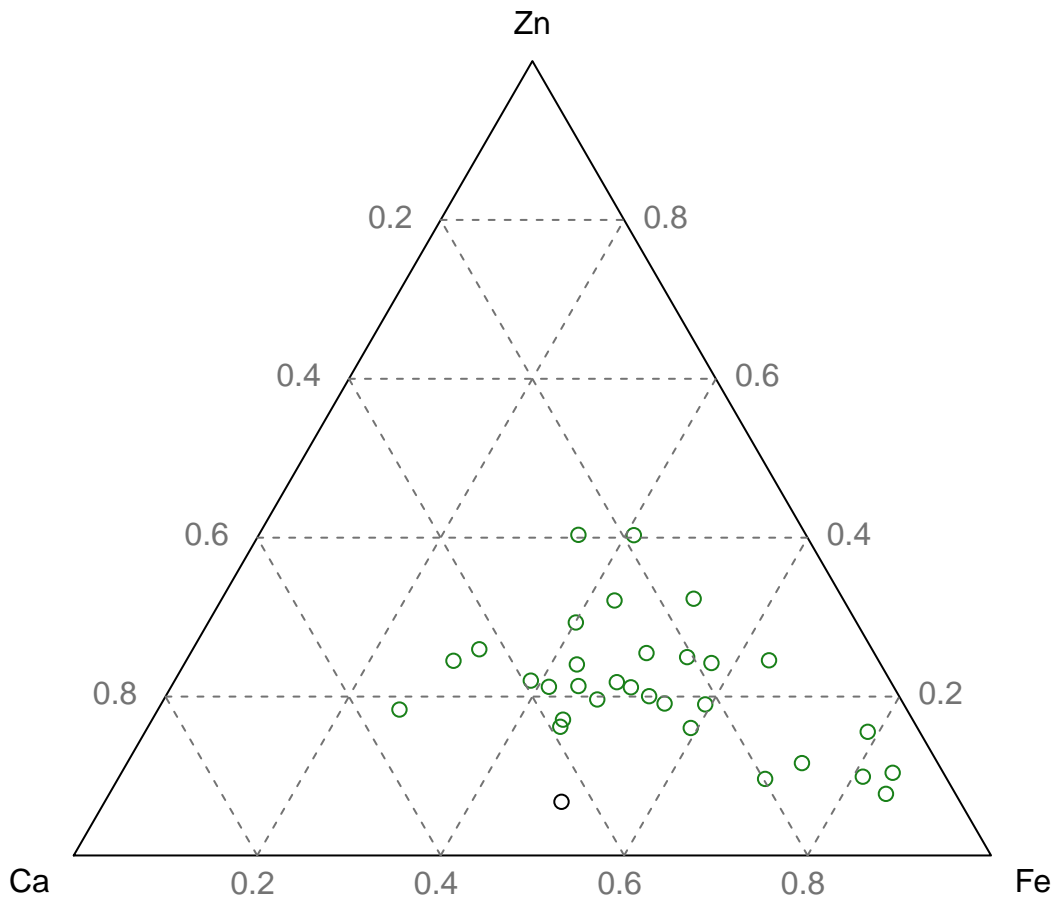




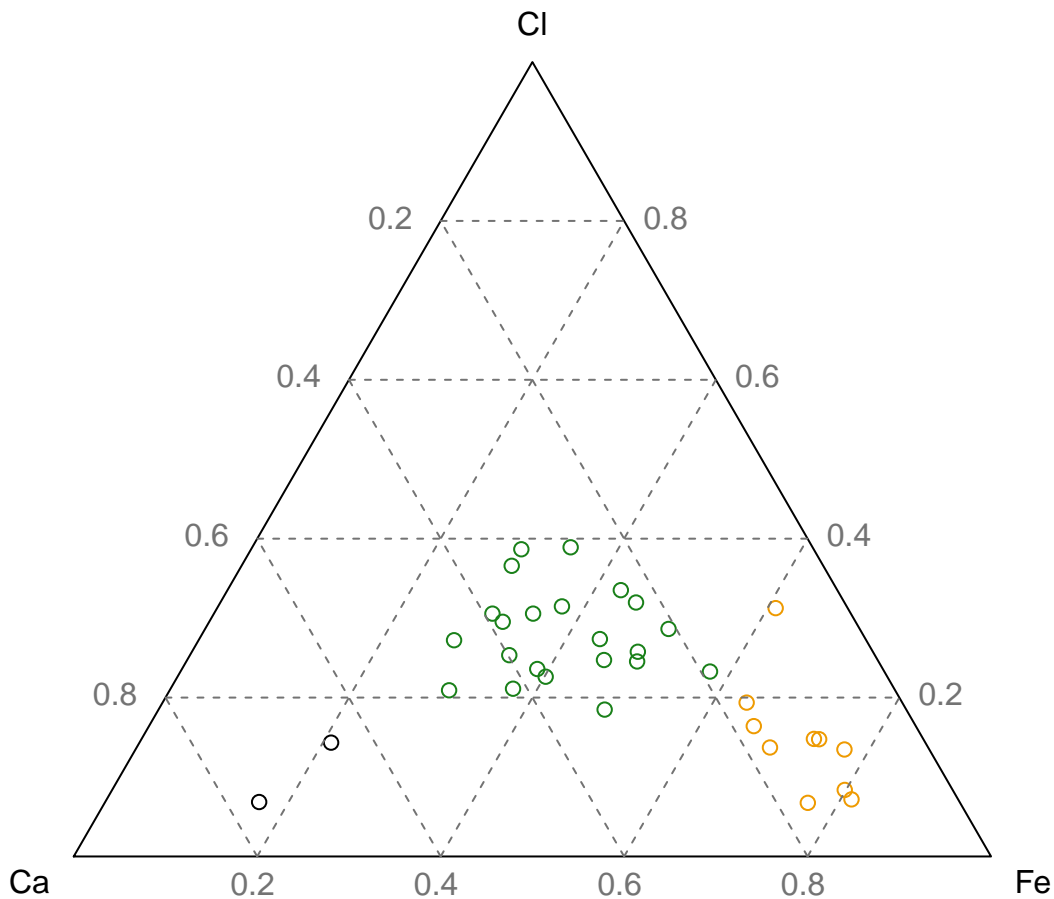
# Ca, Fe, Cu



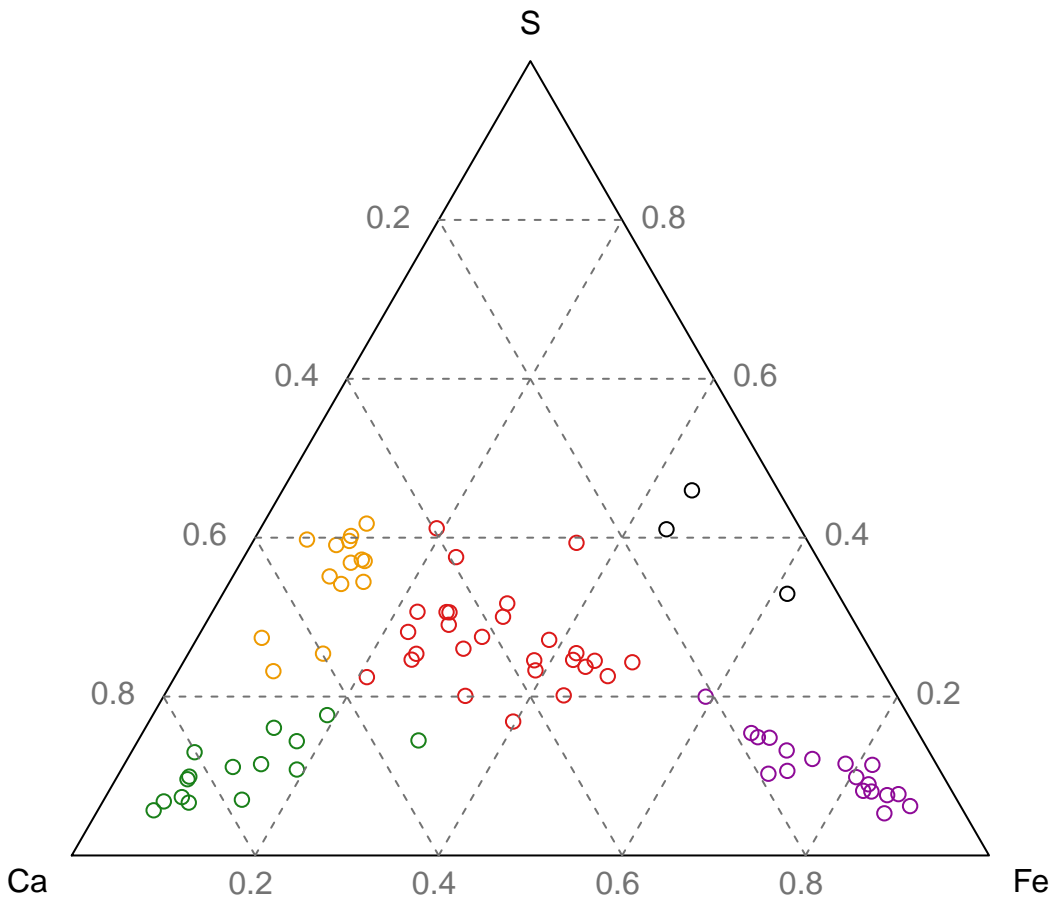
# Ca, Fe, Zn



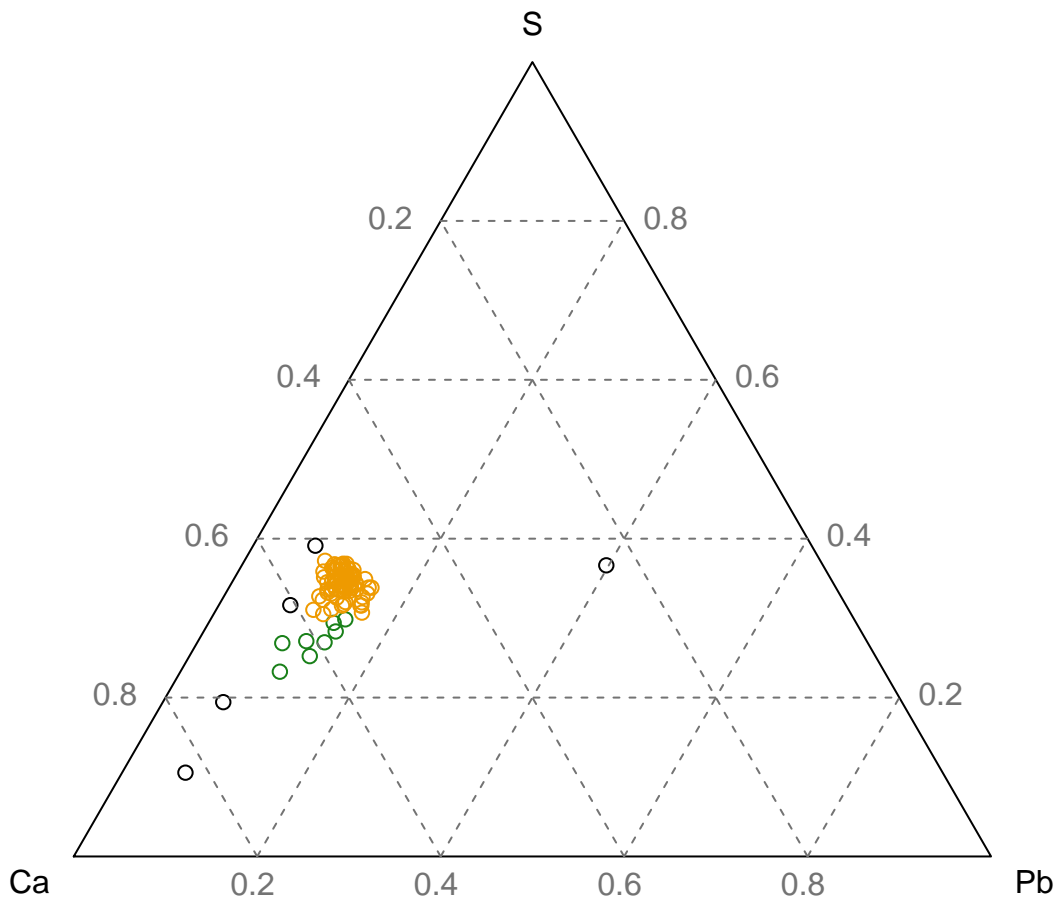
# Ca, Fe, Cl



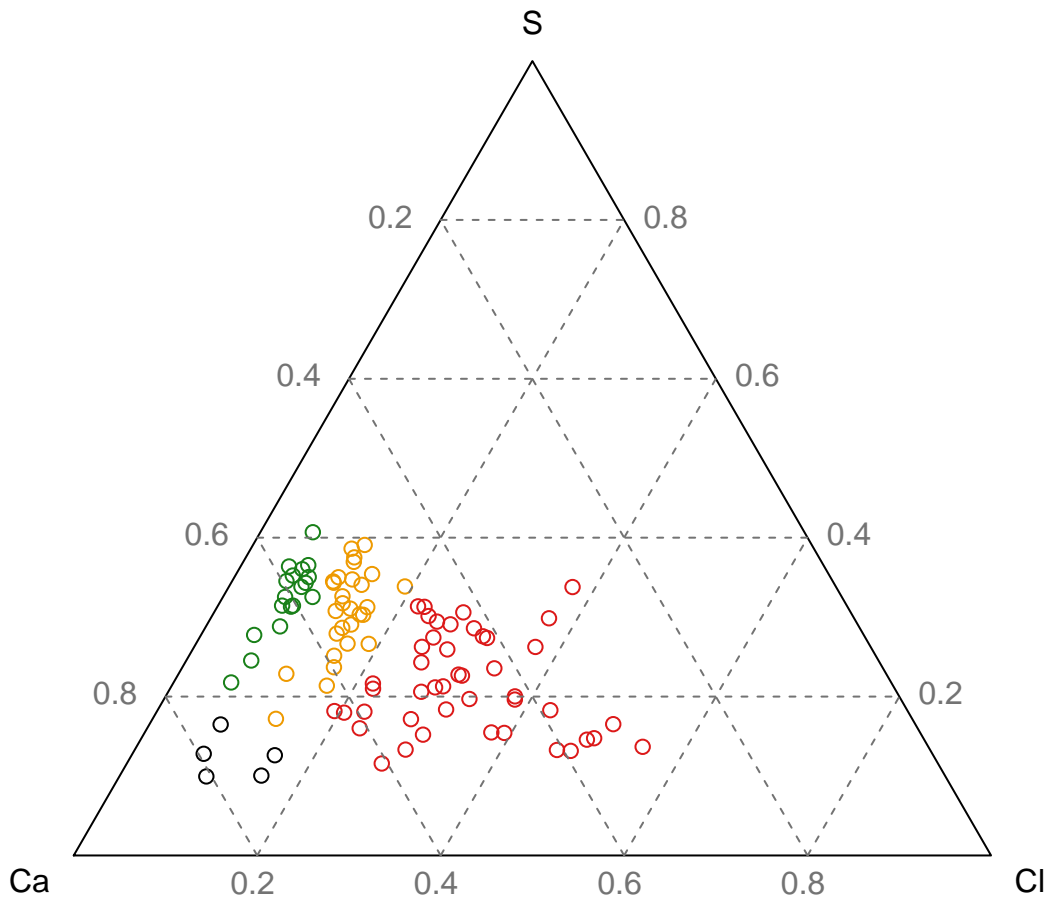
# Ca, Fe, S



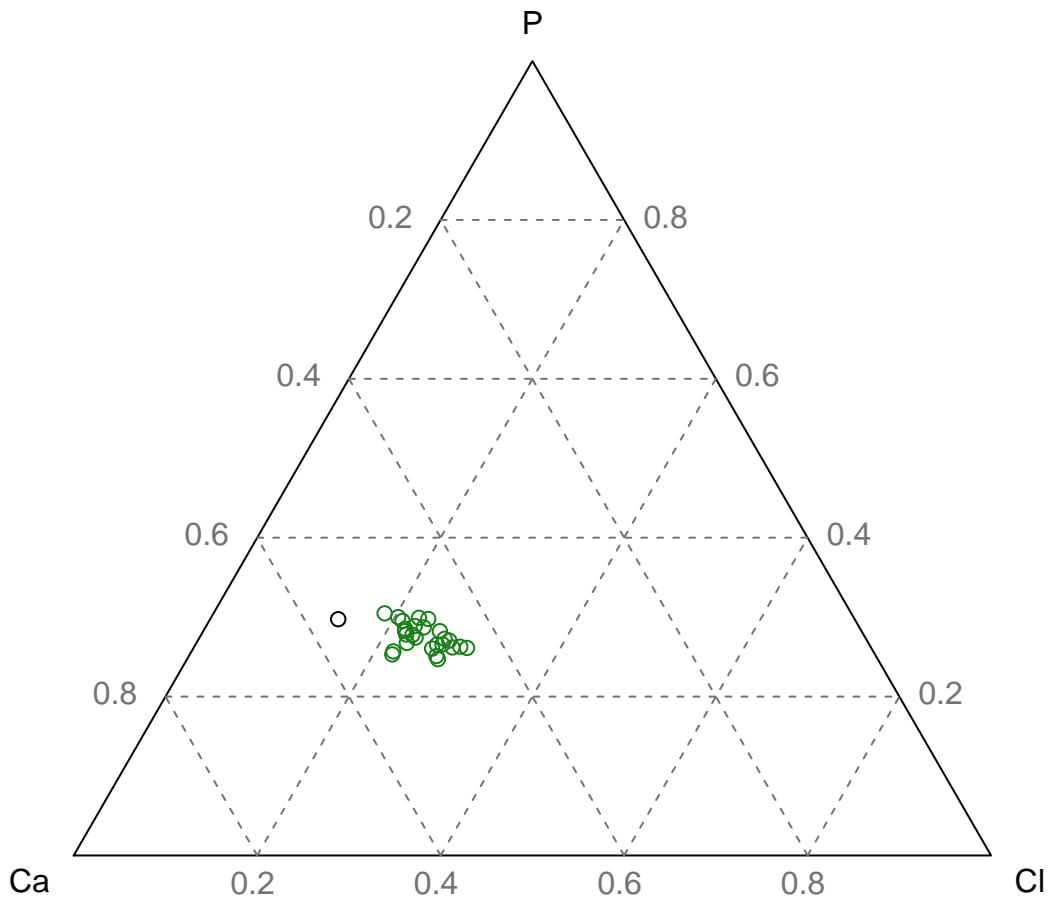
# Ca, Pb, S



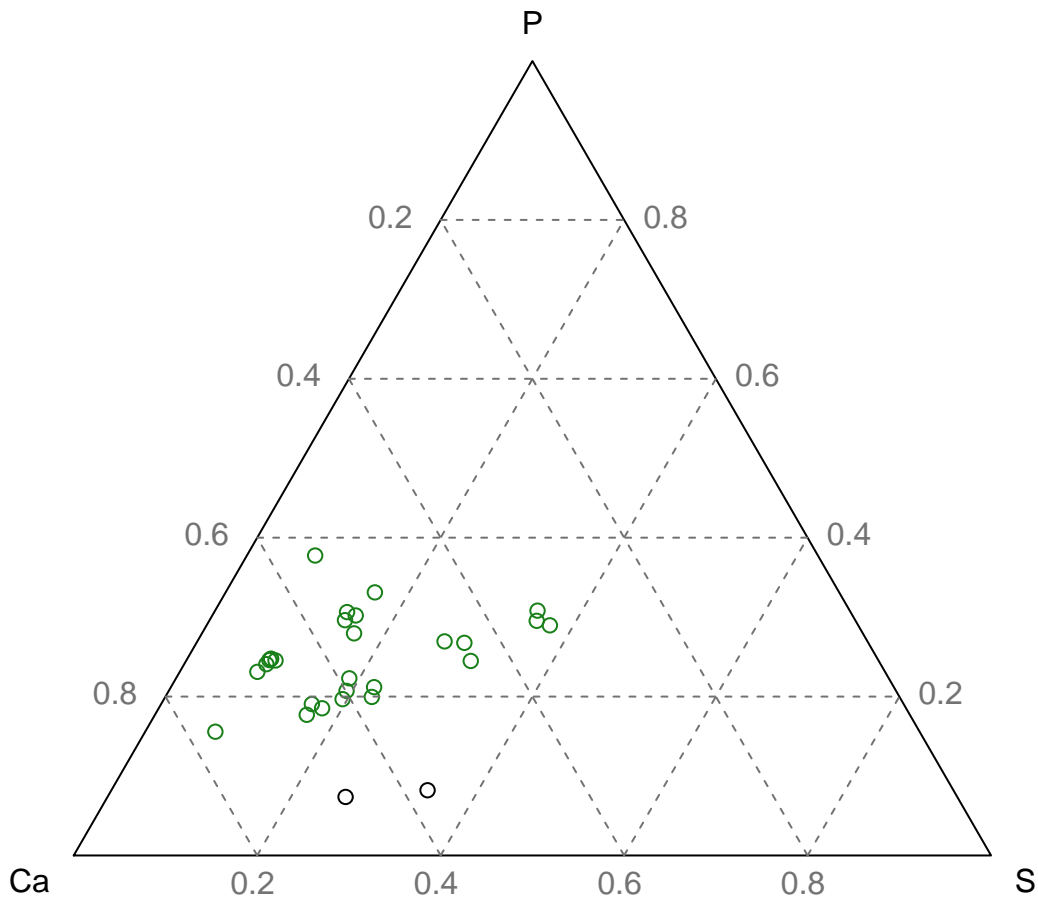
# Ca, Cl, S



# Ca, Cl, P

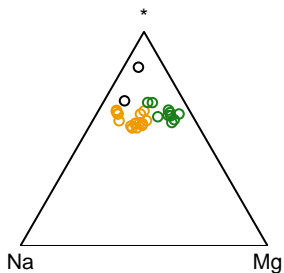
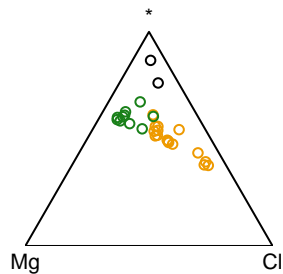
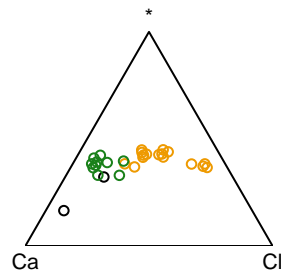


# Ca, S, P

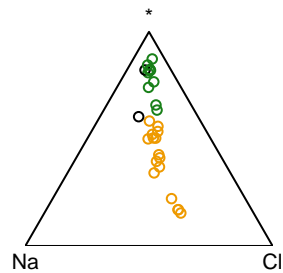




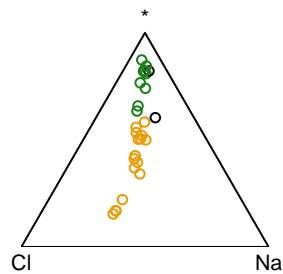
## Ca



Na



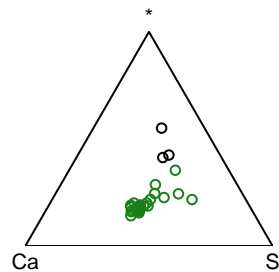
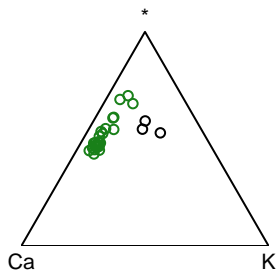
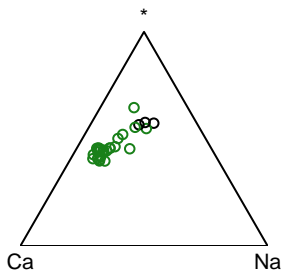
Cl



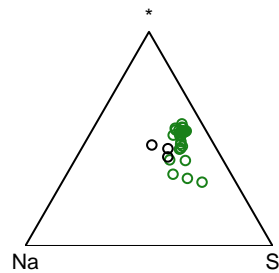
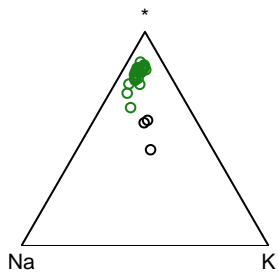
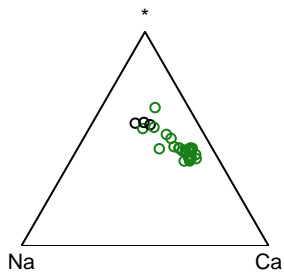


# Ca, Na, K, S

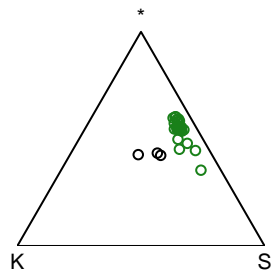
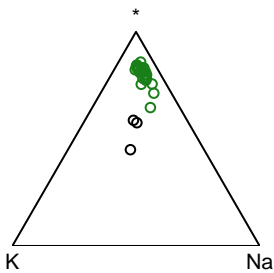
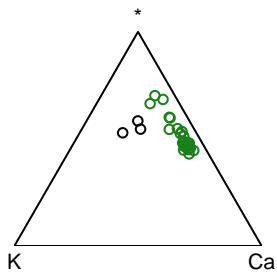
Ca



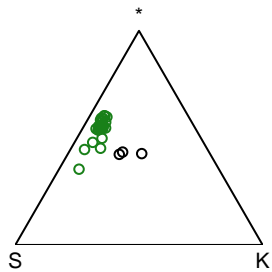
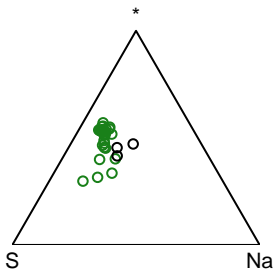
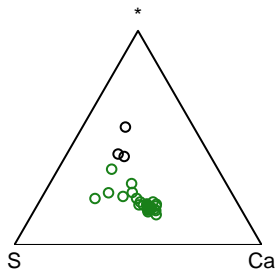
Na



K



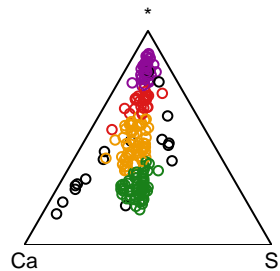
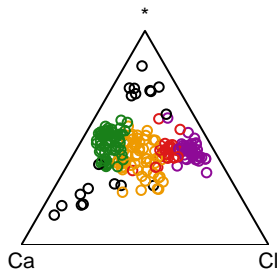
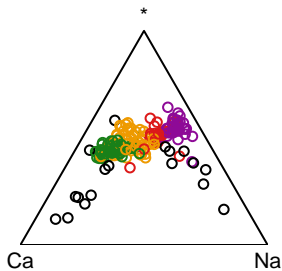
S



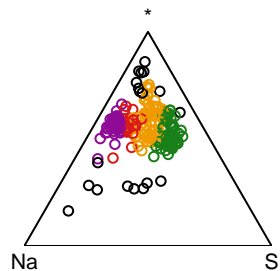
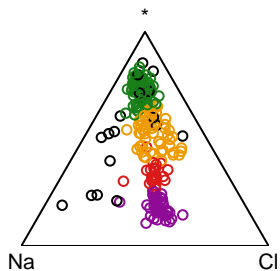
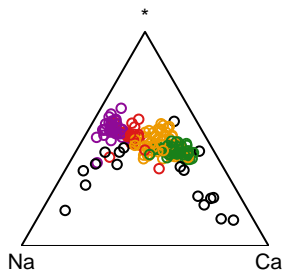


# Ca, Na, Cl, S

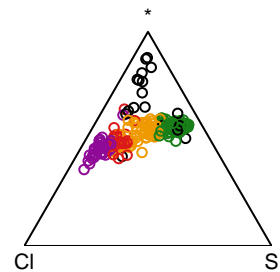
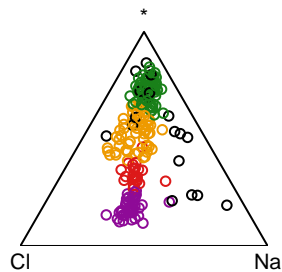
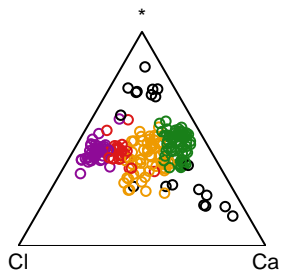
Ca



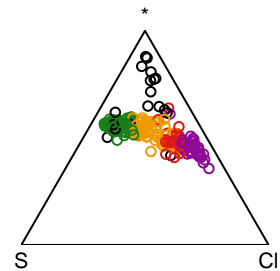
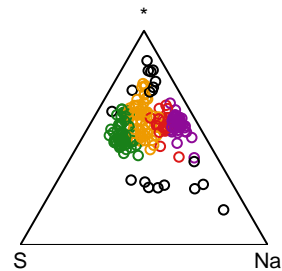
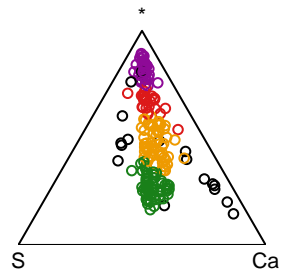
Na



Cl

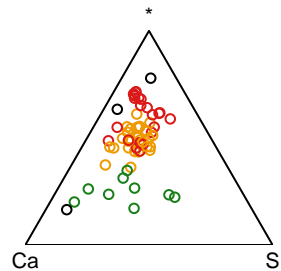
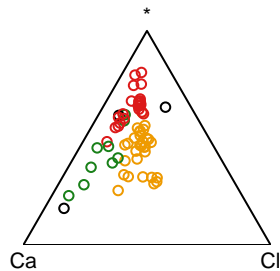
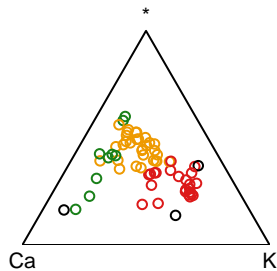


S

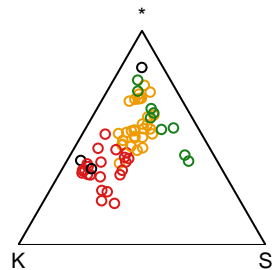
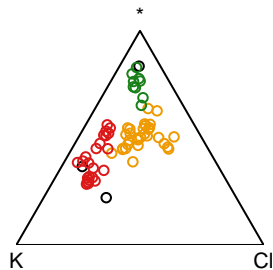
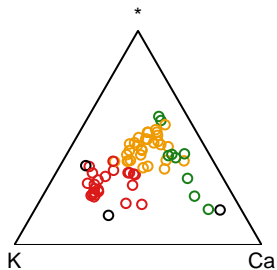


# Ca, K, Cl, S

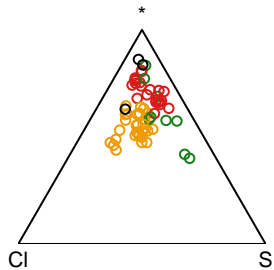
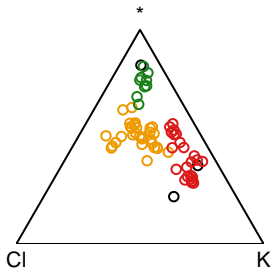
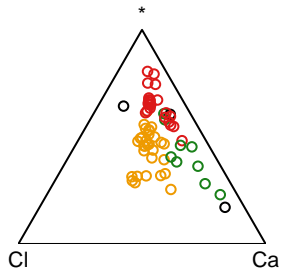
Ca



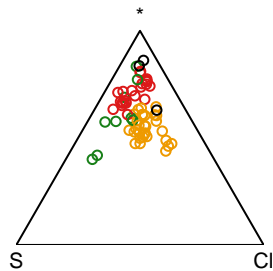
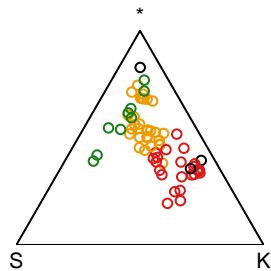
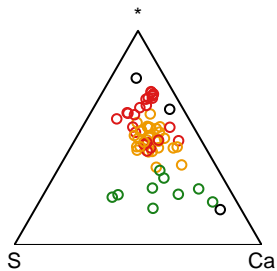
K



Cl

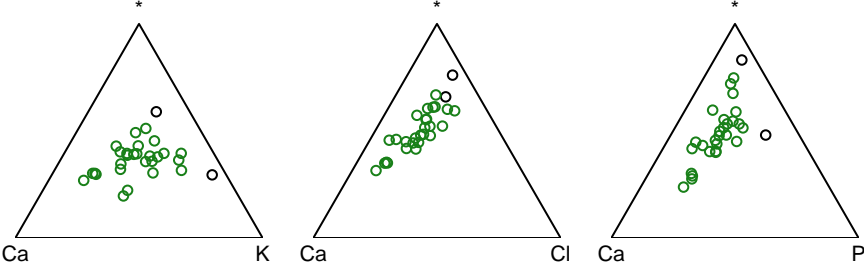


S

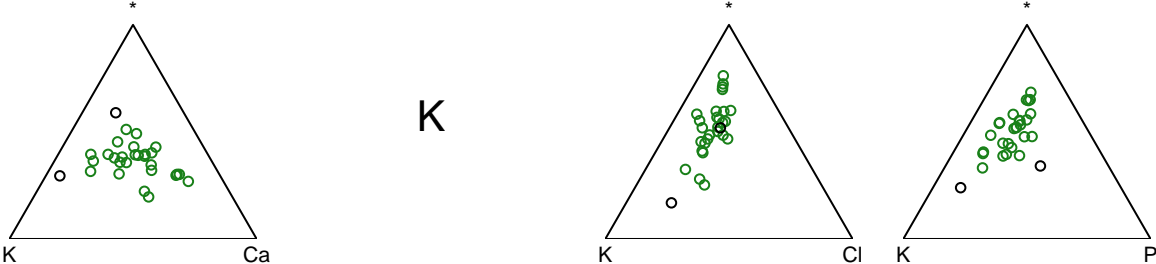


Ca, K, Cl, P

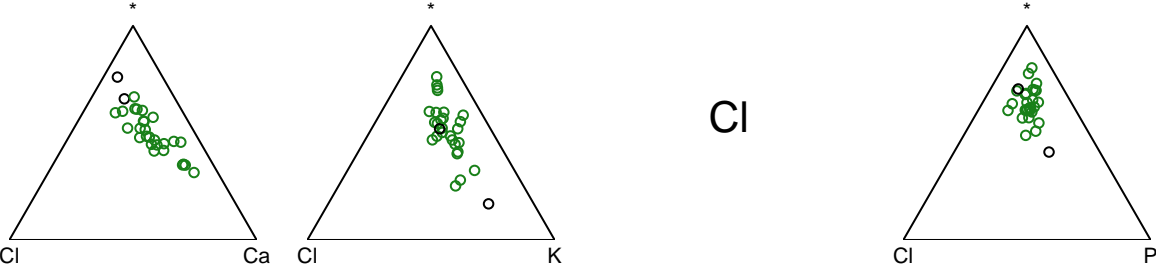
Ca



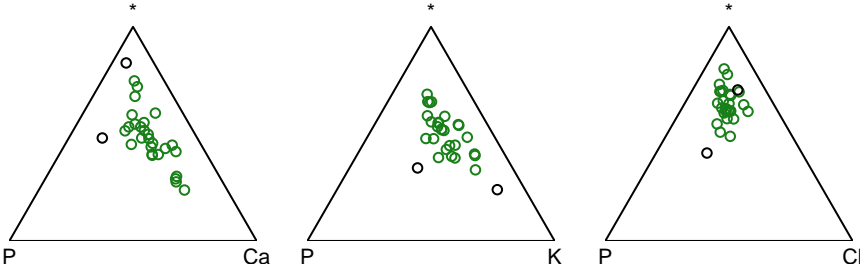
K



Cl

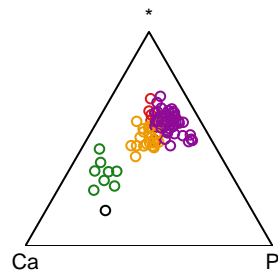
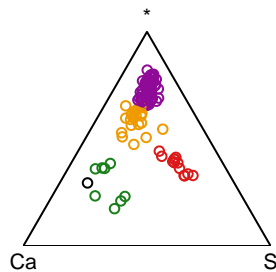
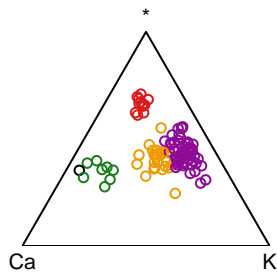


P

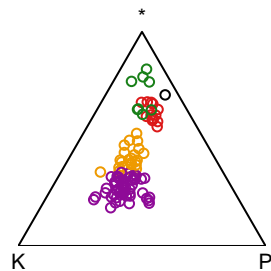
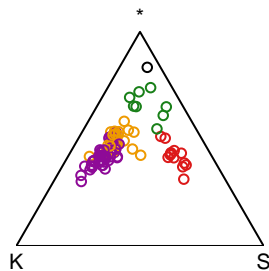
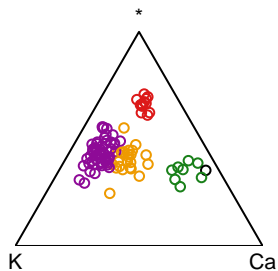


# Ca, K, S, P

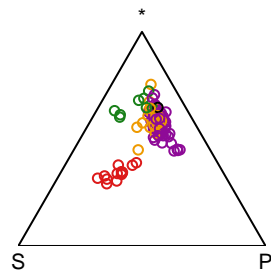
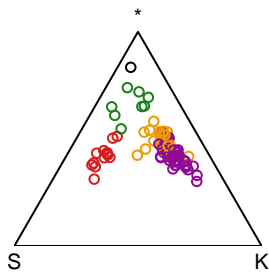
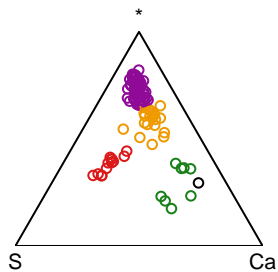
Ca



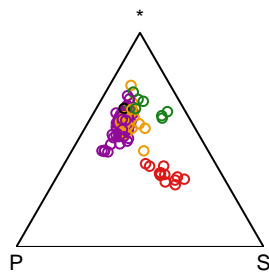
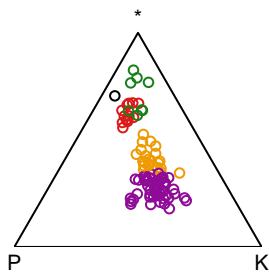
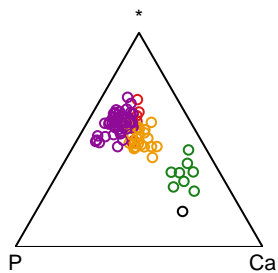
K



S



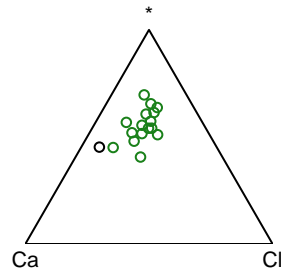
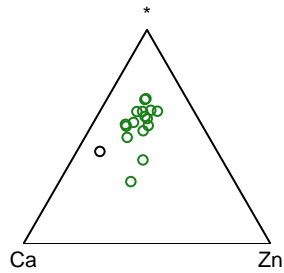
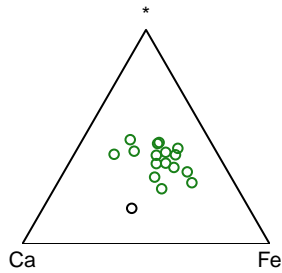
P



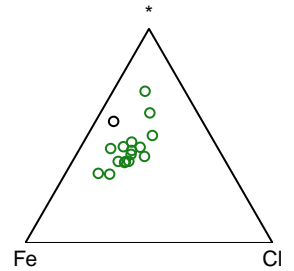
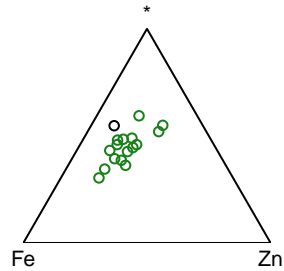
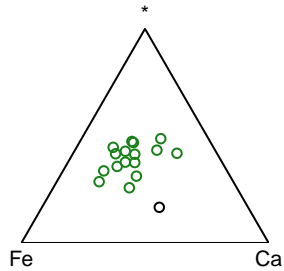


# Ca, Fe, Zn, Cl

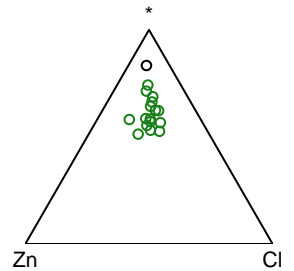
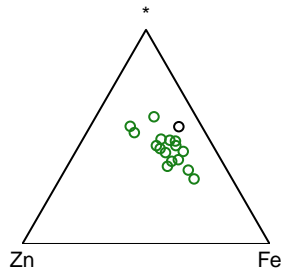
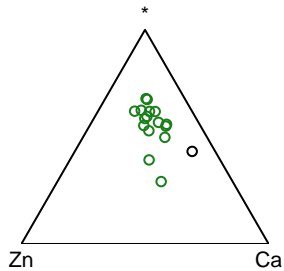
Ca



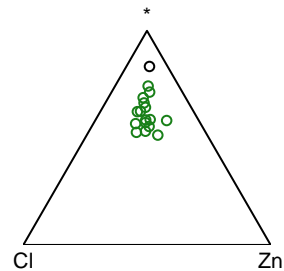
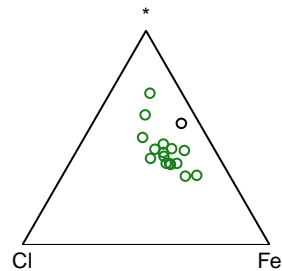
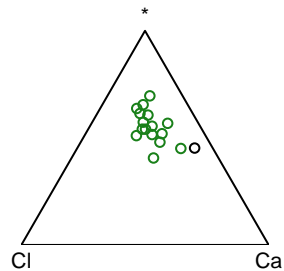
Fe



Zn

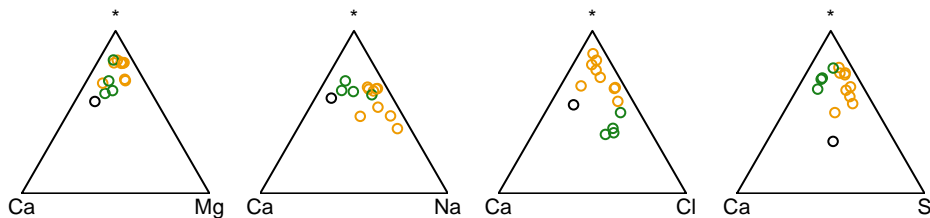


Cl

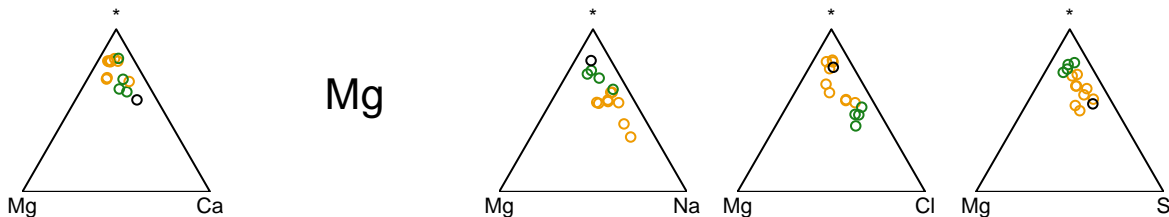


# Ca, Mg, Na, Cl, S

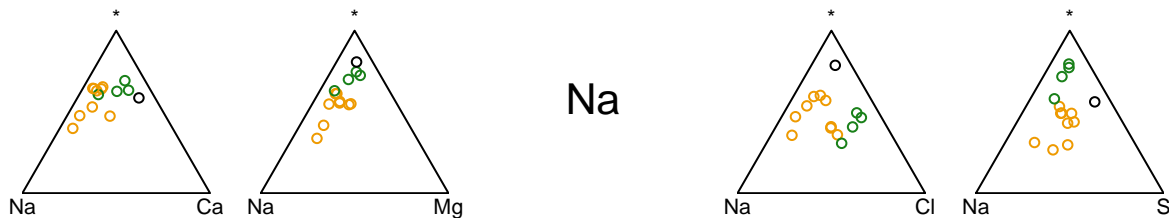
Ca



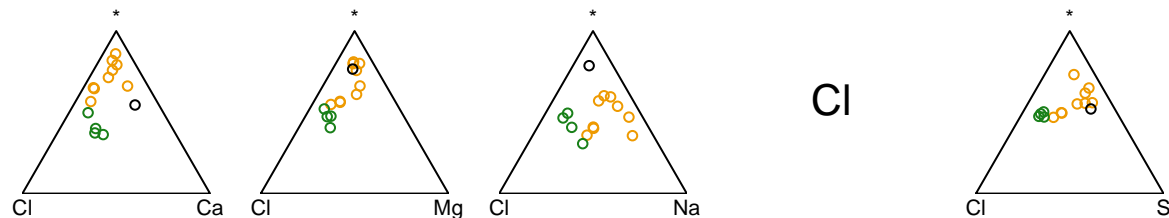
Mg



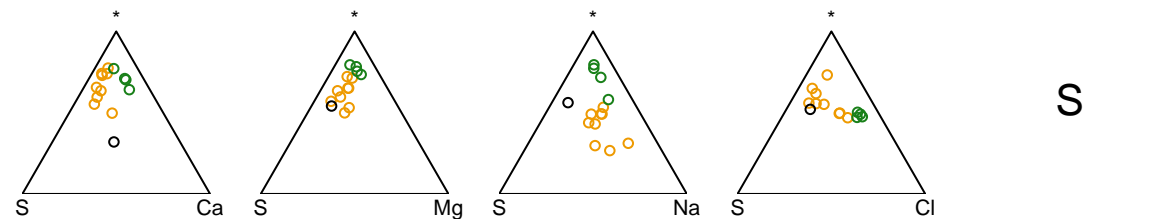
Na



Cl

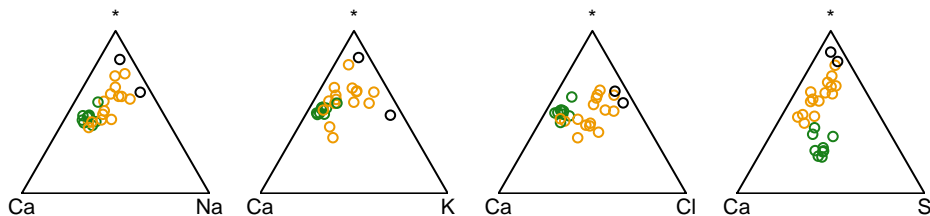


S

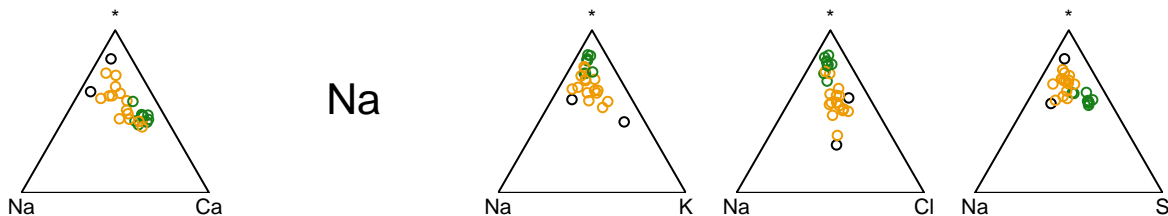


# Ca, Na, K, Cl, S

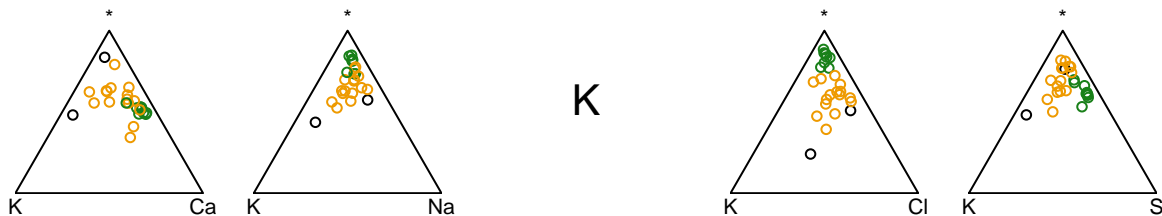
Ca



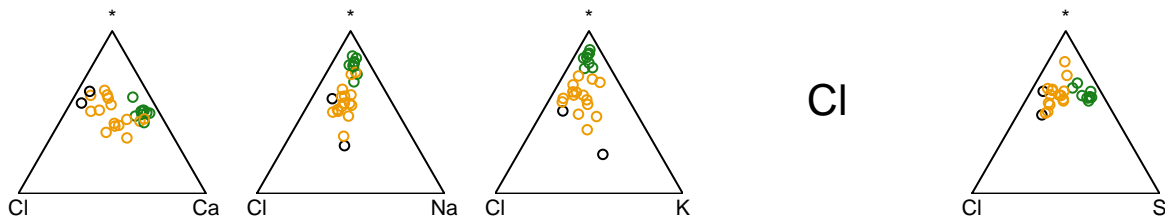
Na



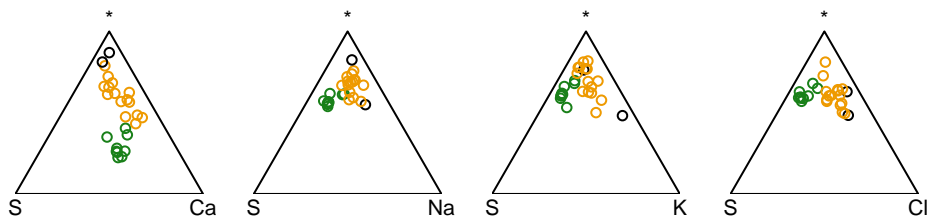
K



Cl

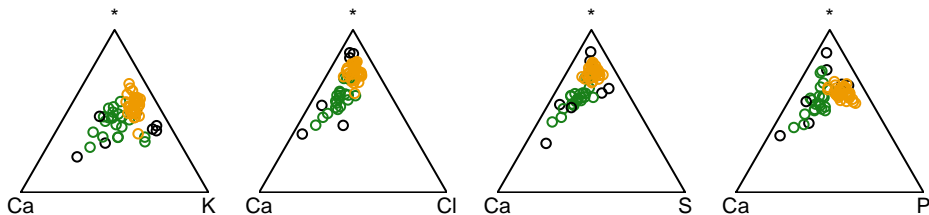


S

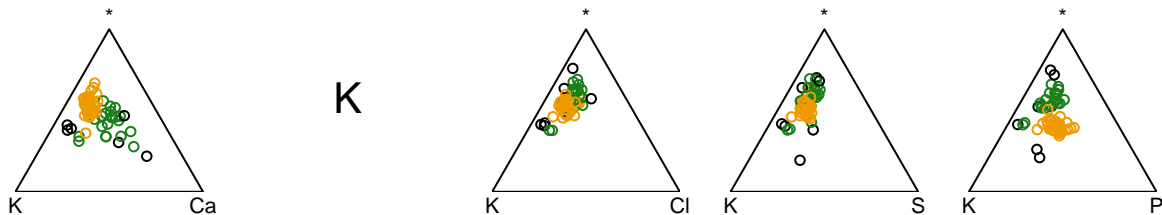


# Ca, K, Cl, S, P

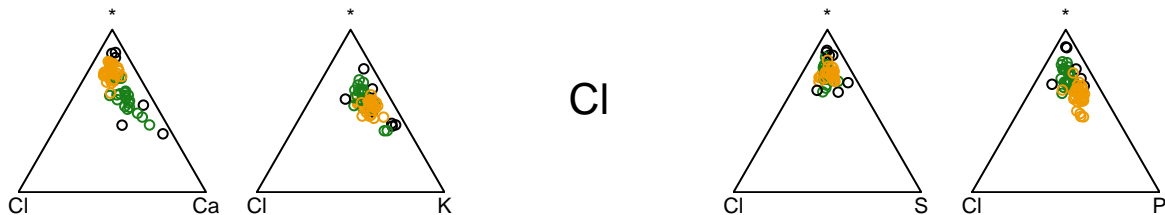
Ca



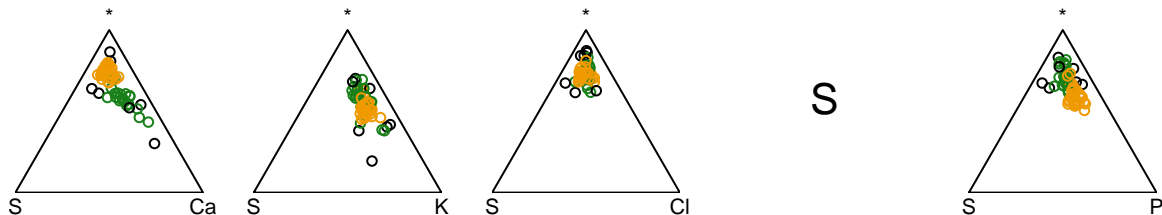
K



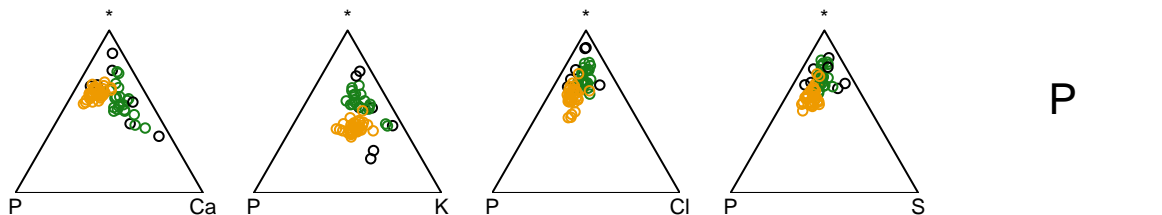
Cl



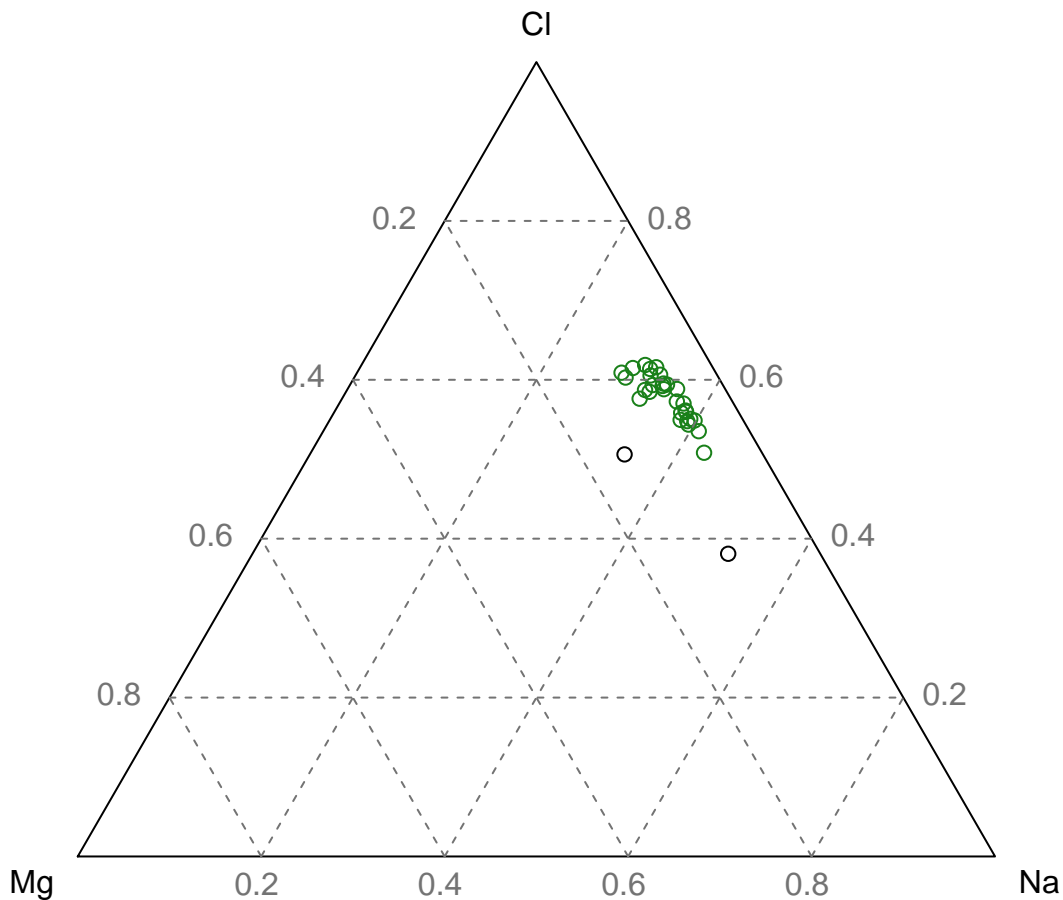
S



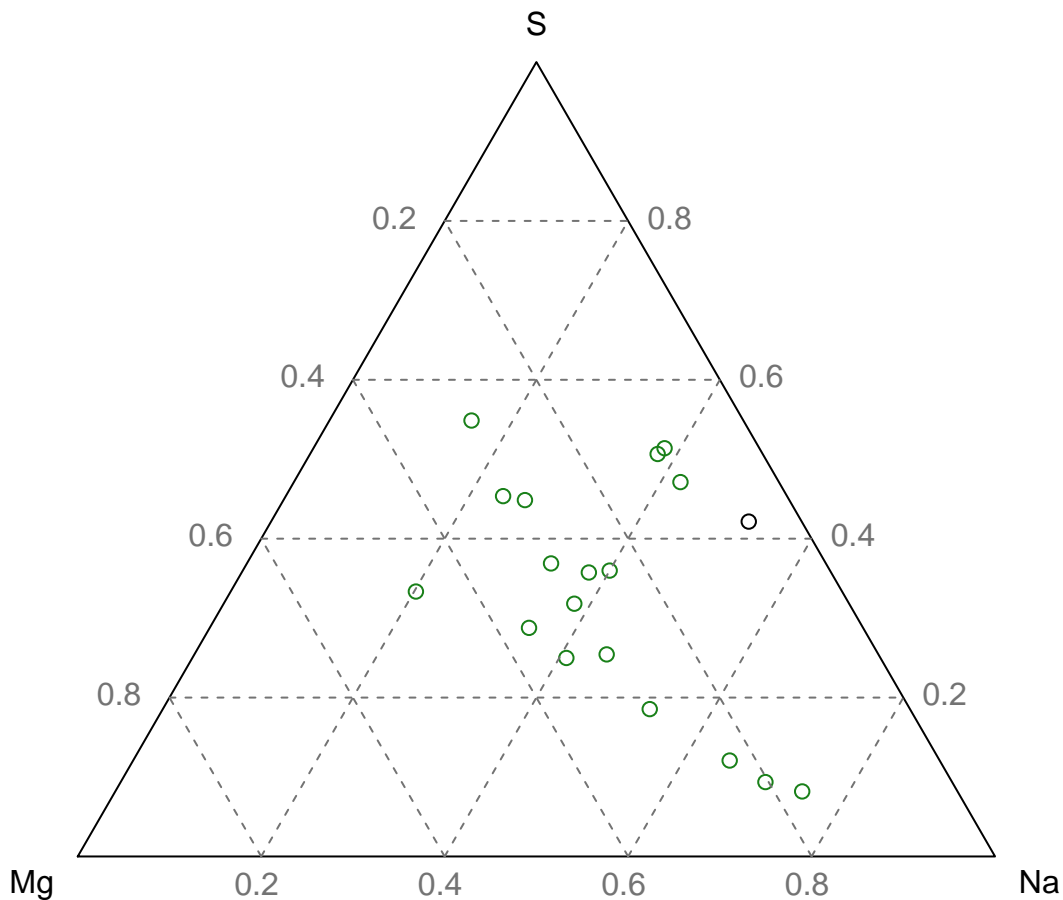
P



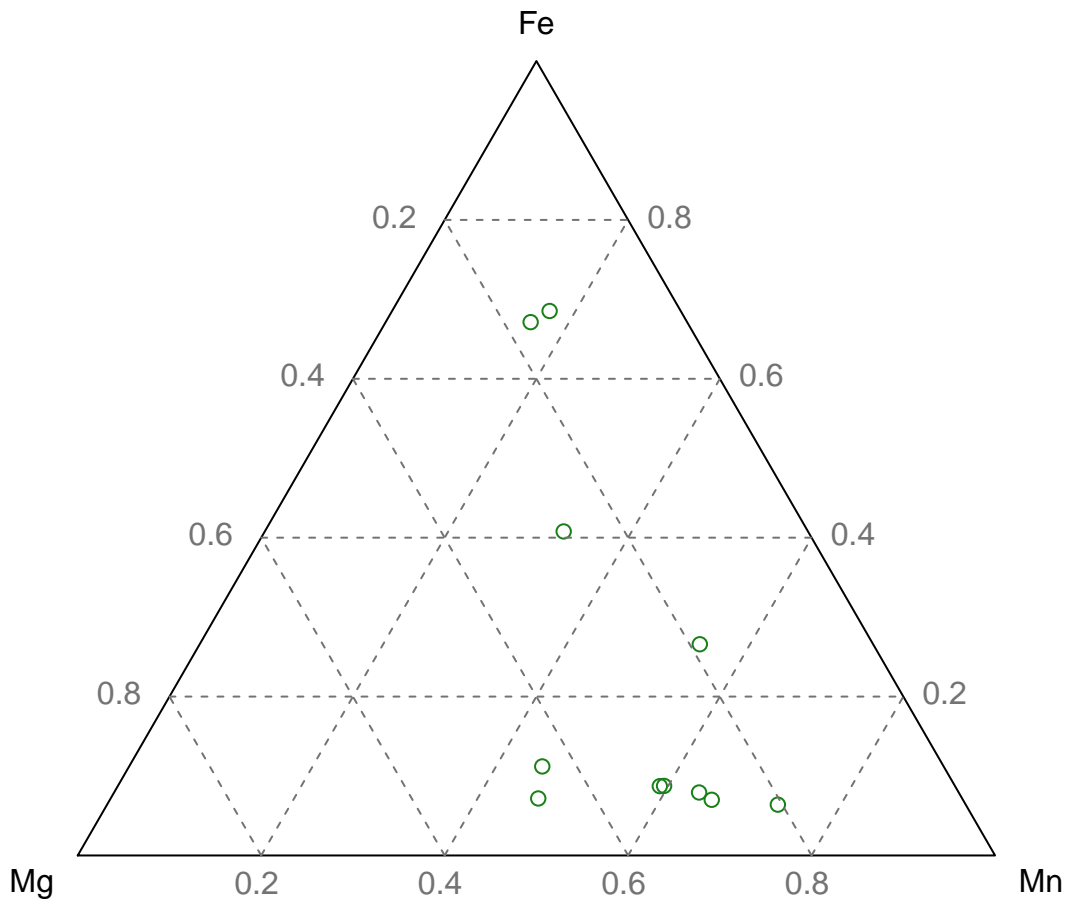
# Mg, Na, Cl



# Mg, Na, S

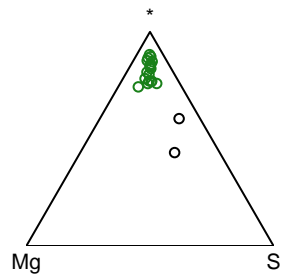
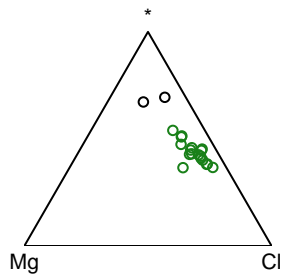
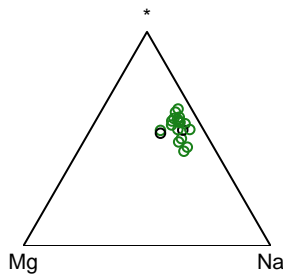


# Mg, Mn, Fe

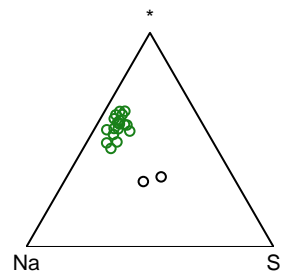
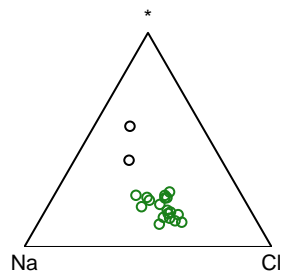
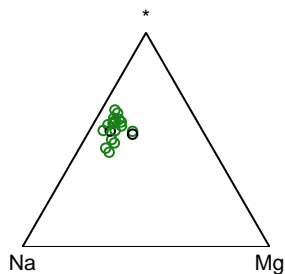


# Mg, Na, Cl, S

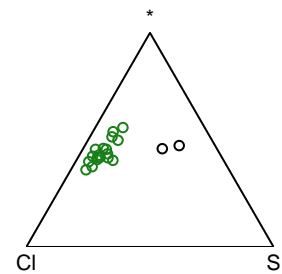
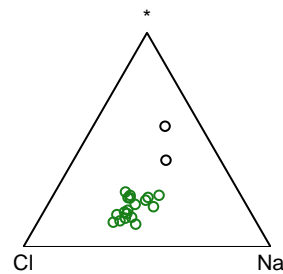
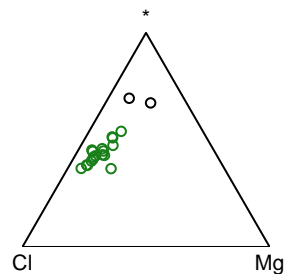
Mg



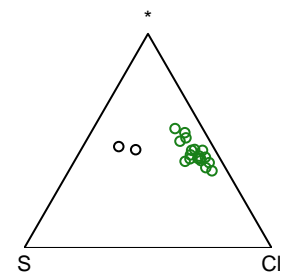
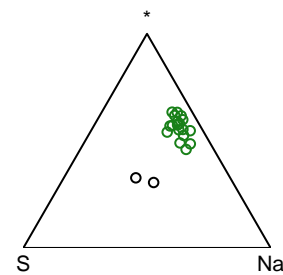
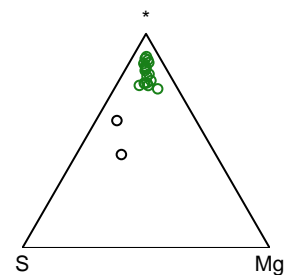
Na



Cl

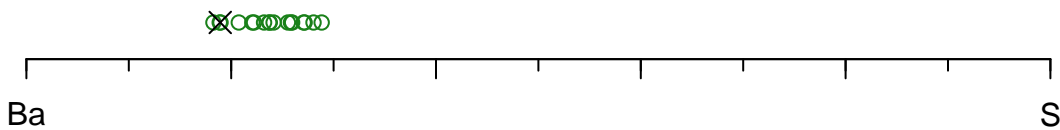


S

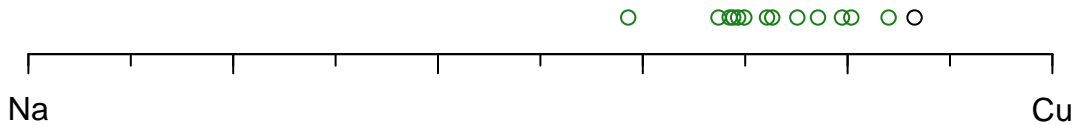




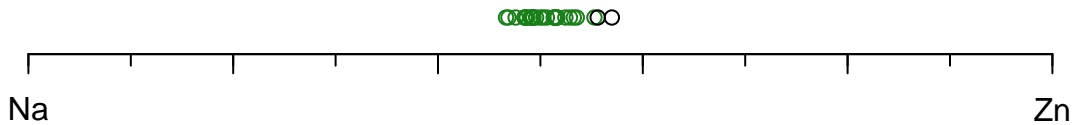
**Ba, S**



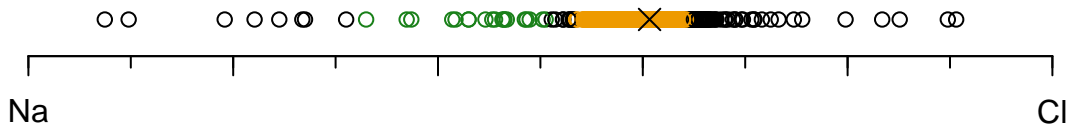
Na, Cu



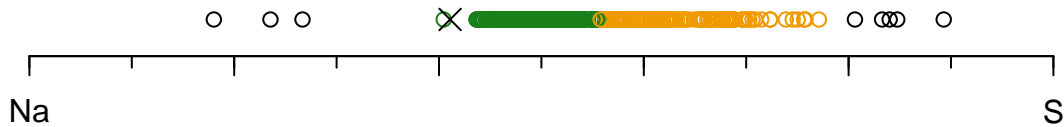
Na, Zn



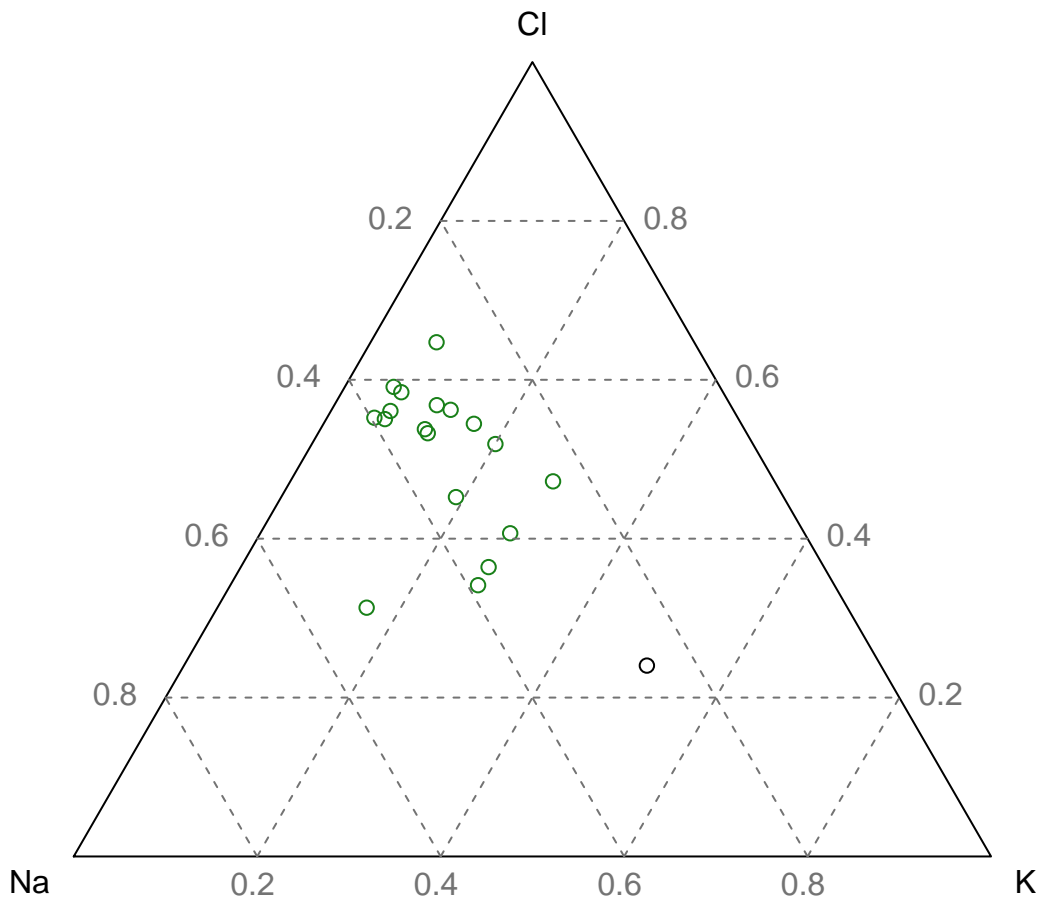
**Na, Cl**



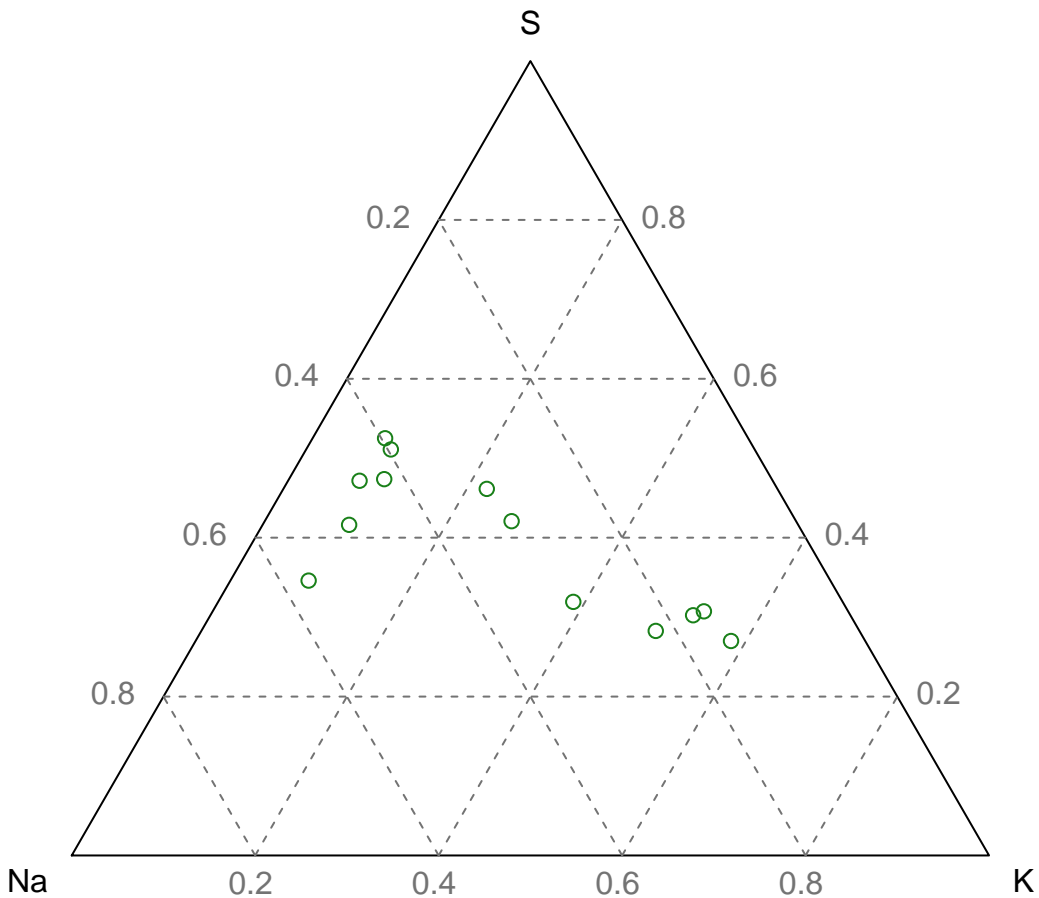
Na, S



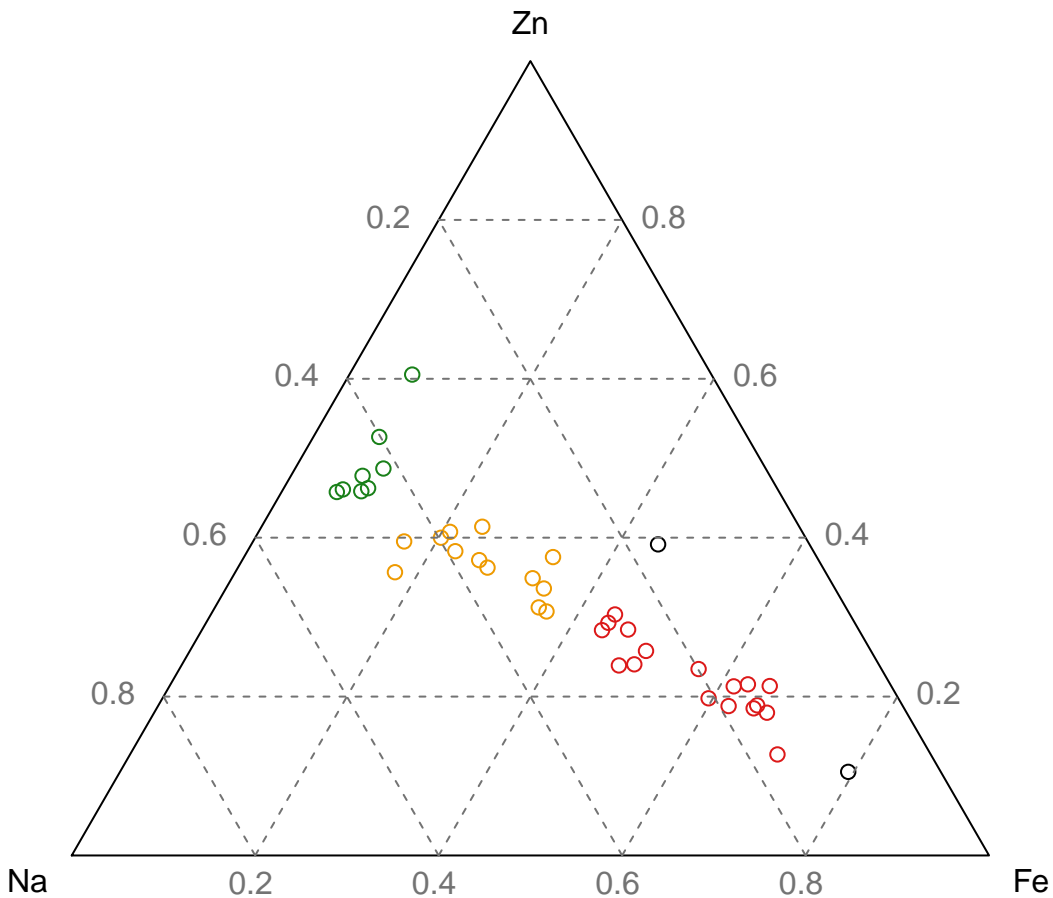
# Na, K, Cl



Na, K, S

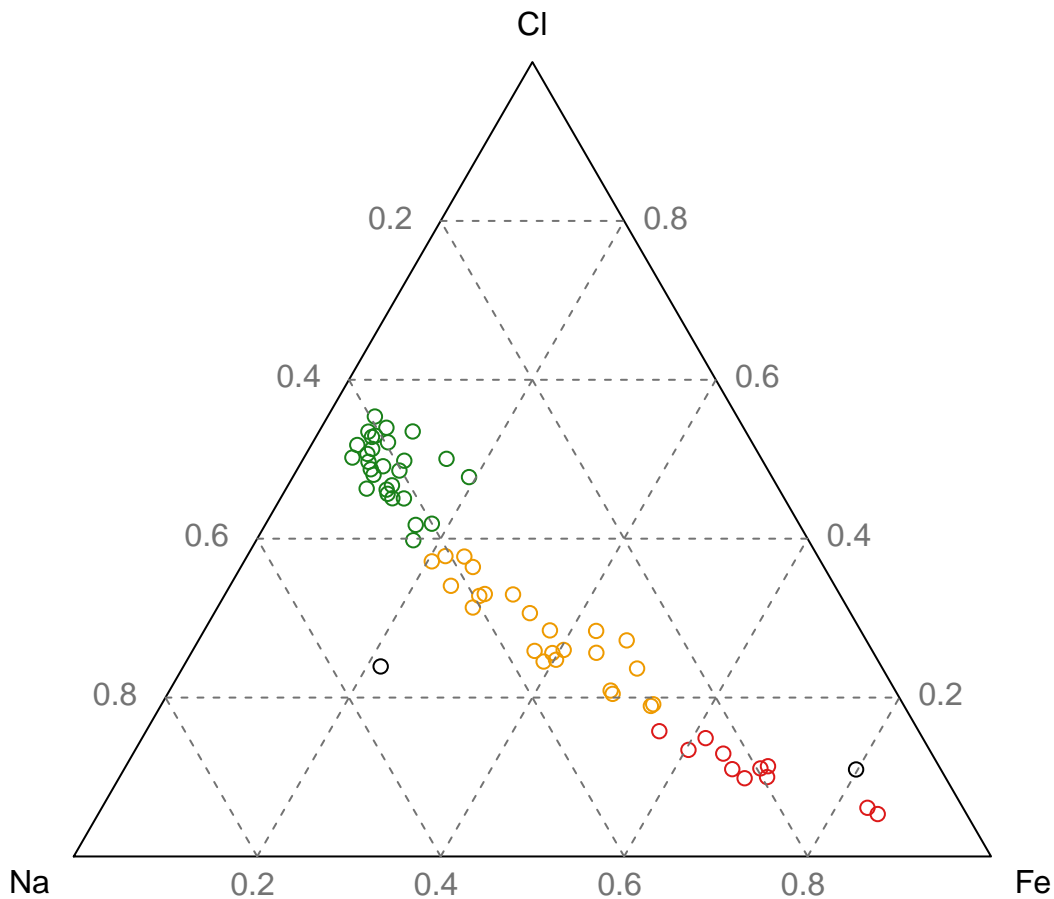


# Na, Fe, Zn

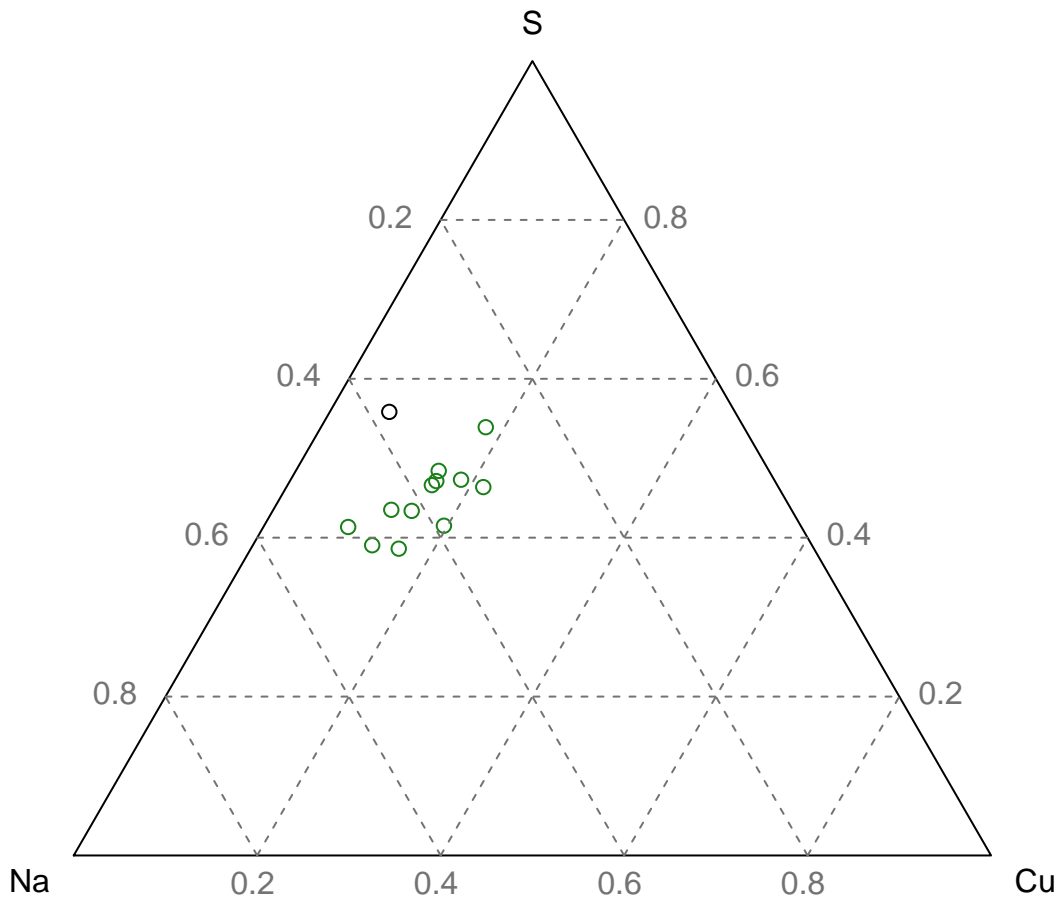




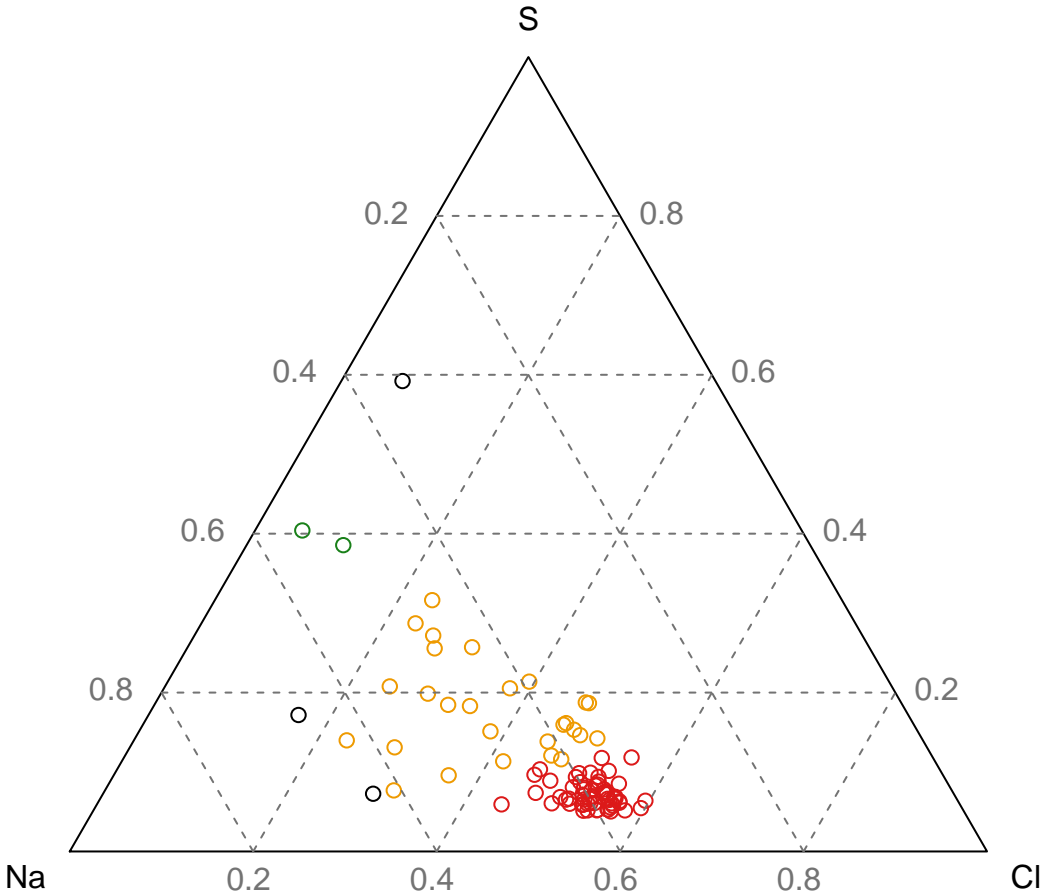
# Na, Fe, Cl



# Na, Cu, S



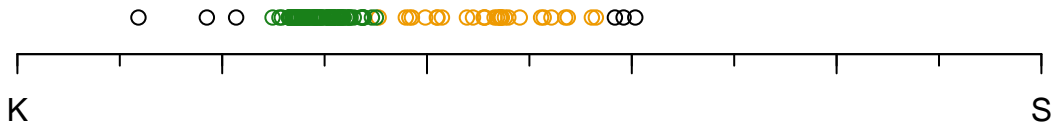
# Na, Cl, S



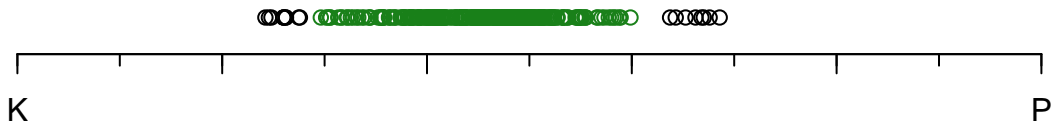
K, Cl



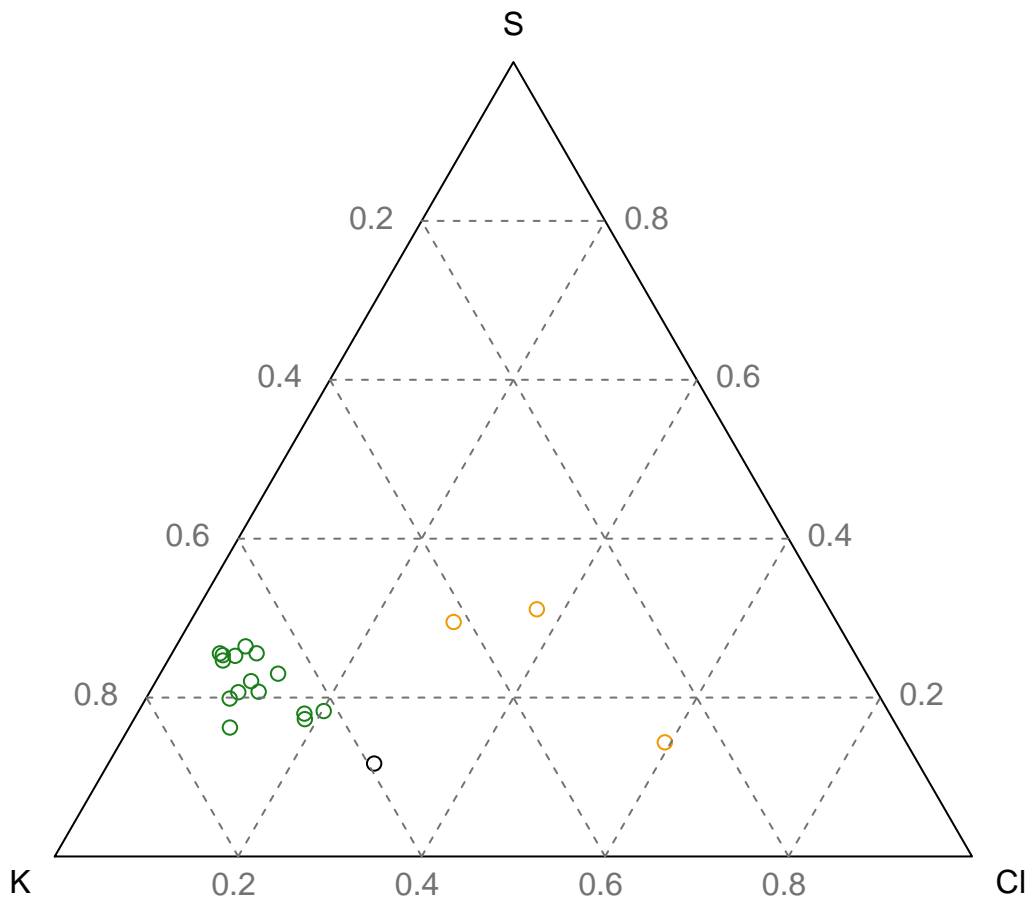
**K, S**



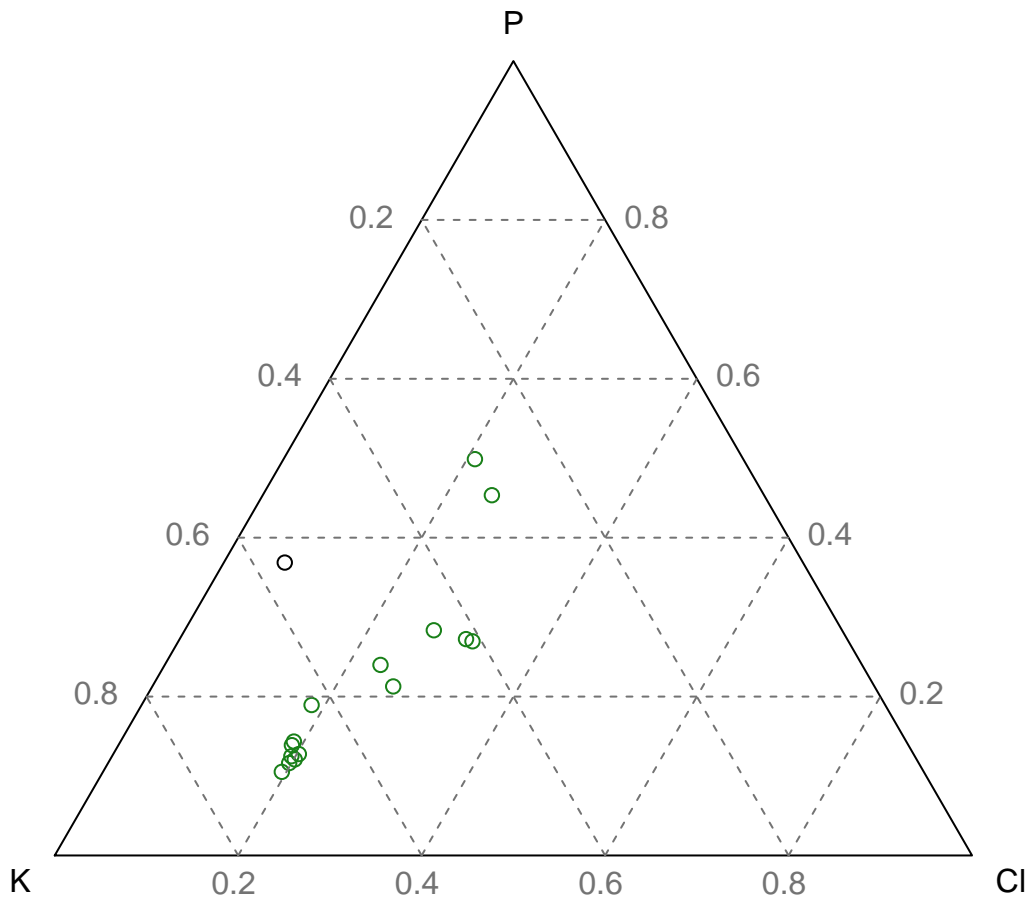
K, P



K, Cl, S

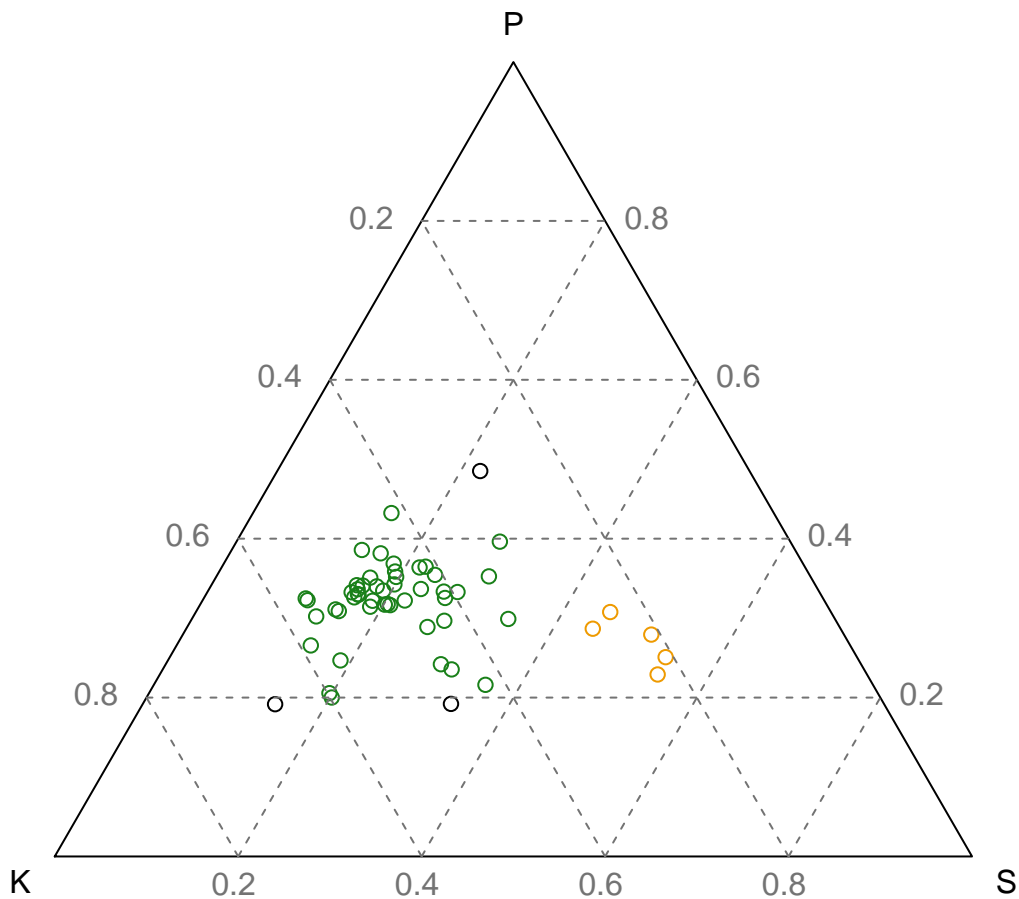


K, Cl, P



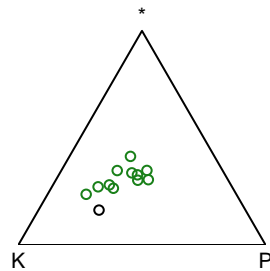
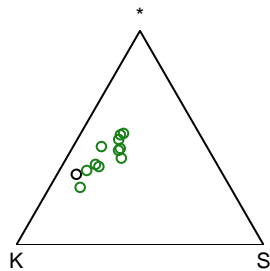
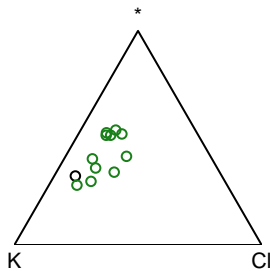


**K, S, P**

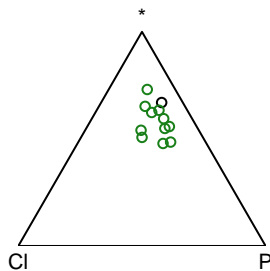
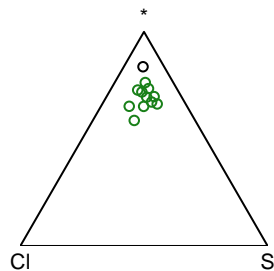
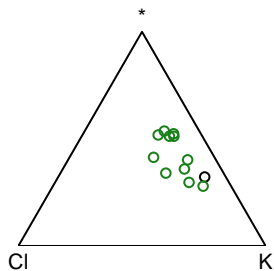


# K, Cl, S, P

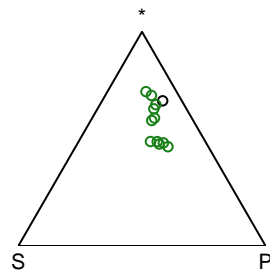
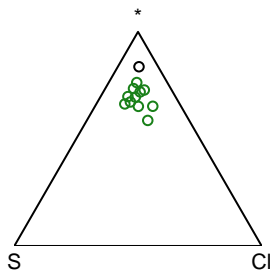
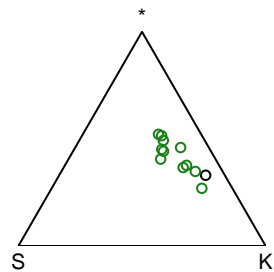
K



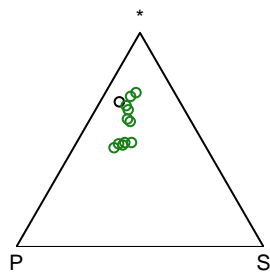
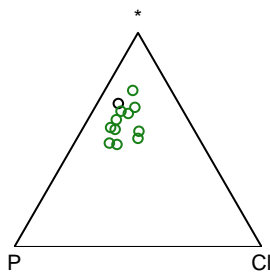
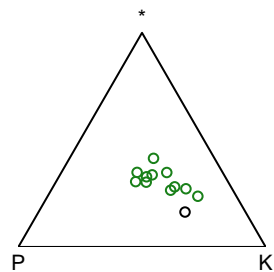
Cl



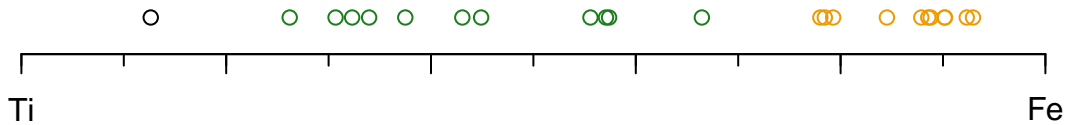
S



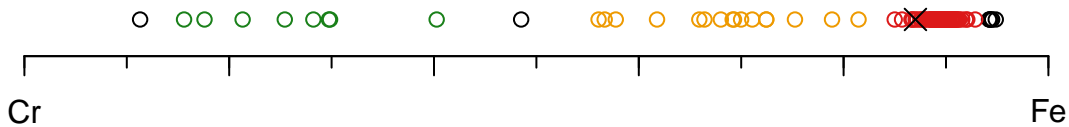
P



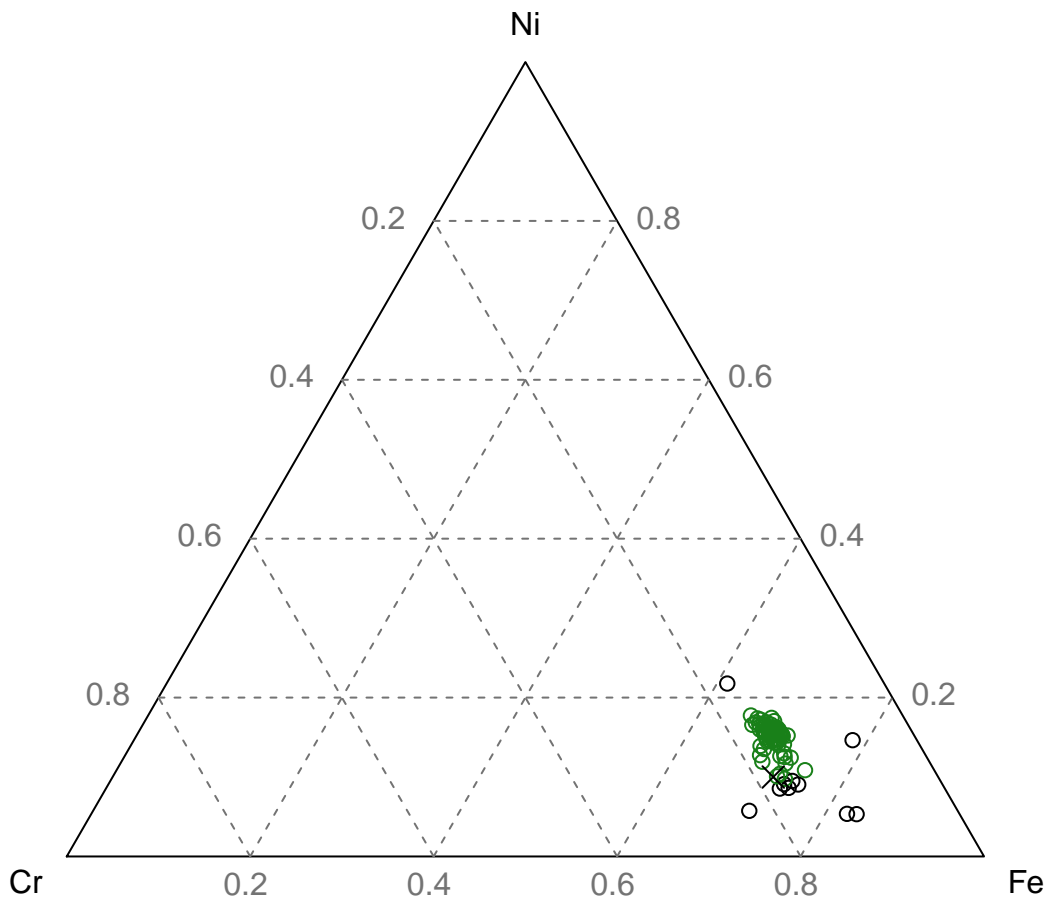
Ti, Fe



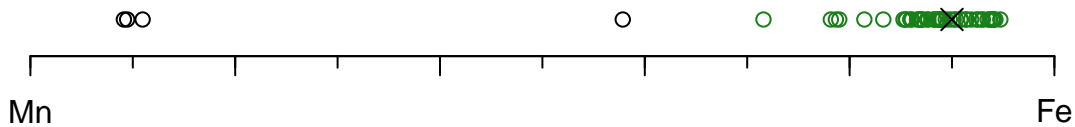
Cr, Fe



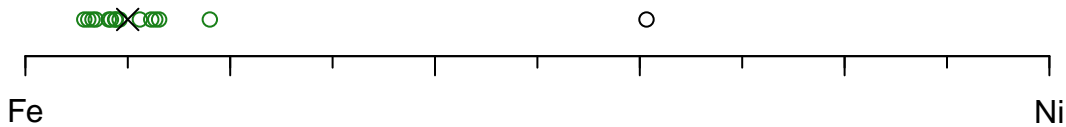
# Cr, Fe, Ni



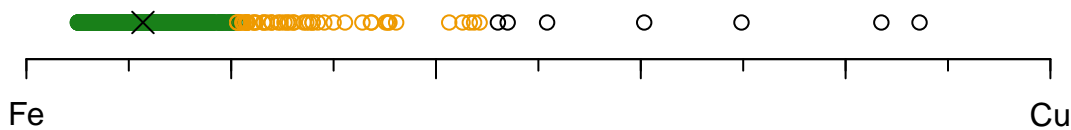
Mn, Fe



Fe, Ni

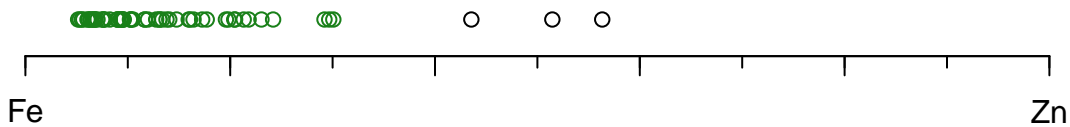


Fe, Cu

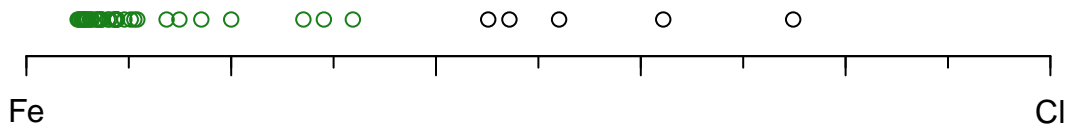




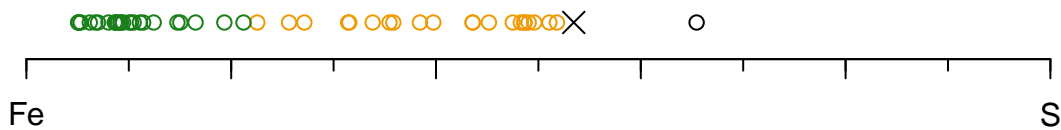
Fe, Zn



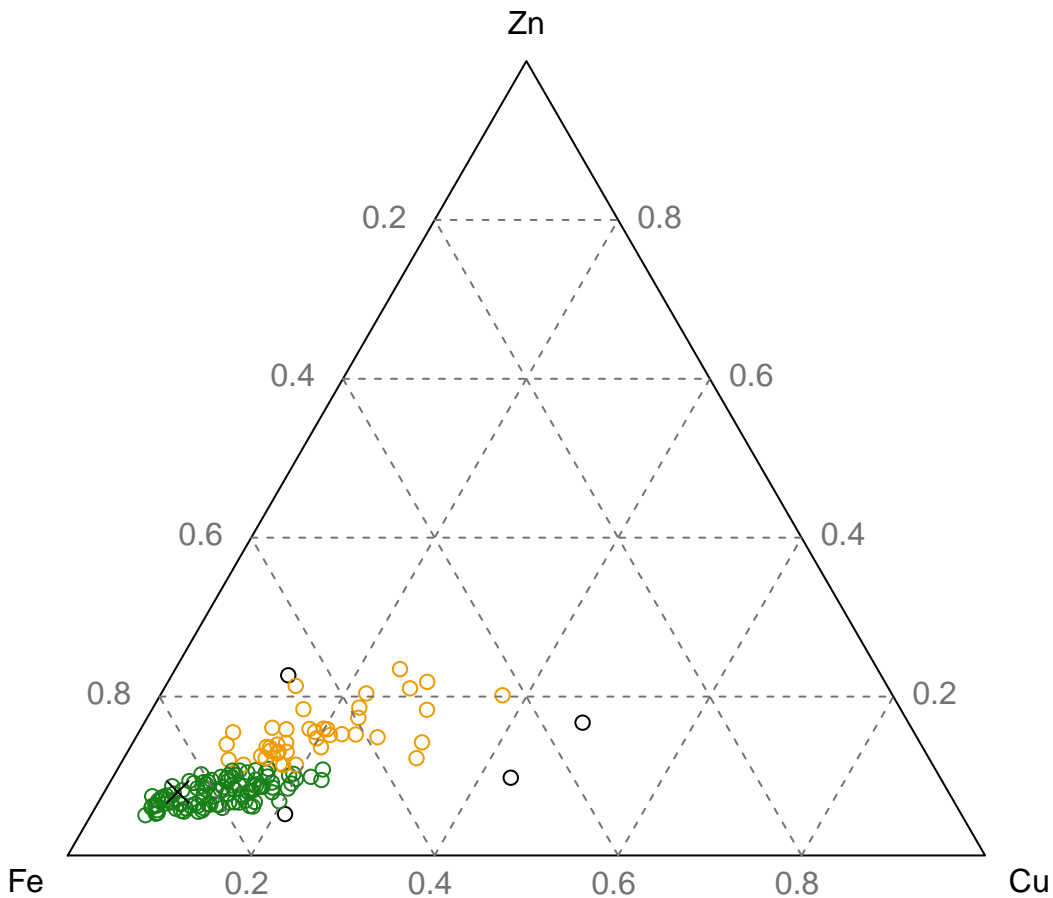
**Fe, Cl**



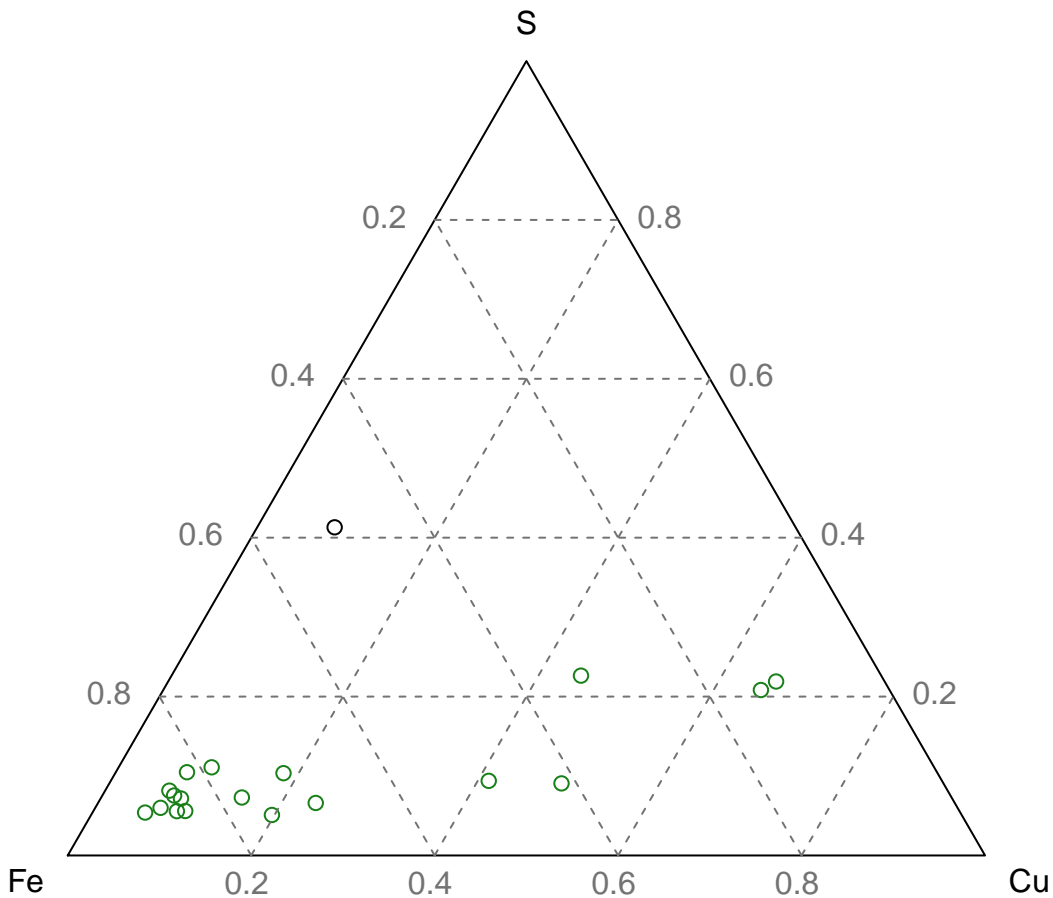
**Fe, S**



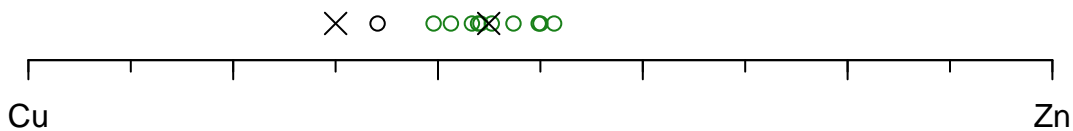
# Fe, Cu, Zn



# Fe, Cu, S

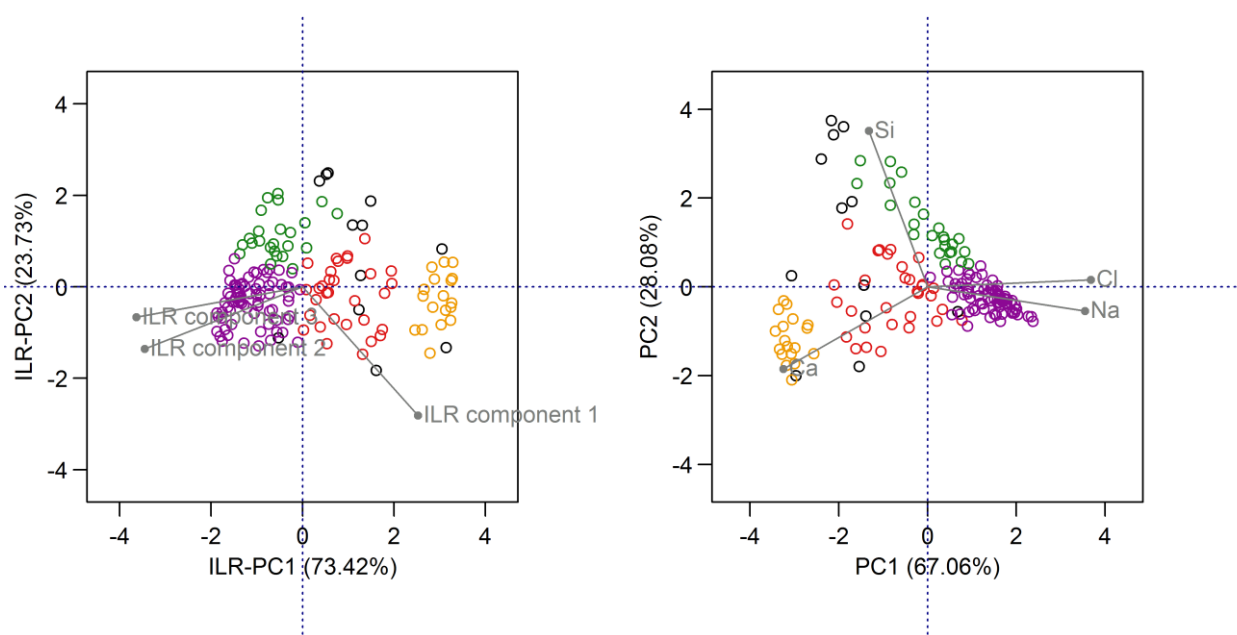


Cu, Zn



## Supplementary File 1

Biplots show the particles in the projection plane of the two first principal components of the original coordinates. The colors of the circles represent the subclasses the corresponding particles belong to and are coded the same way as in fig. 4 and 5. The projected original coordinate axes are plotted in grey. By construction, the particles have the largest spread in this projection among all possible 2D projections. The biplot on the left is based on the particles in ILR transformed coordinates and demonstrates the separation of the particles best. The biplot on right is constructed from the original elementary coordinates, so that an interpretation in terms of elemental composition is possible.



**Figure 8.** Biplots of the particles of the Si-Ca-Na-Cl main class in ILR transformed (left) and elemental coordinates (right). The subclasses the particles belong to are color-coded as described in fig. 4 of the publication.