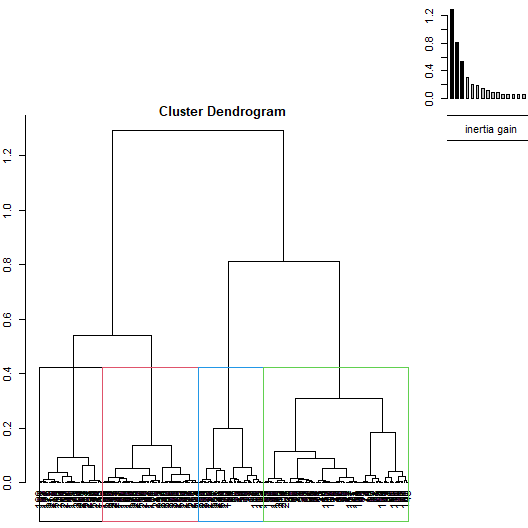
Classification

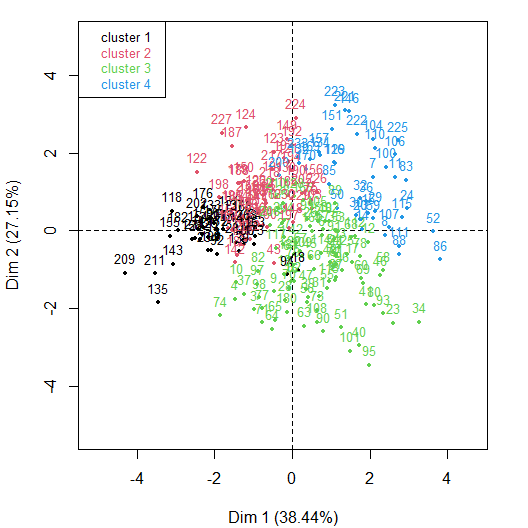
Dataset res.PCA

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**Figure 1.1 - Hierarchical tree.**

The classification made on individuals reveals 4 clusters.



**Figure 1.2 - Ascending Hierarchical Classification of the individuals.**

The **cluster 1** is made of individuals such as *209*. This group is characterized by :

* high values for the variables *Adhesion*, *CollagenIV* and *Proliferation\_DMSO* (variables are sorted from the strongest).
* low values for the variables *Mean\_PXR*, *Survival\_20.uM*, *Mean\_Ecad*, *Mean\_Vimentin*, *Survival\_10.uM*, *Proliferation\_20.uM* and *Hyaluronic\_Acid* (variables are sorted from the weakest).

The **cluster 2** is made of individuals sharing :

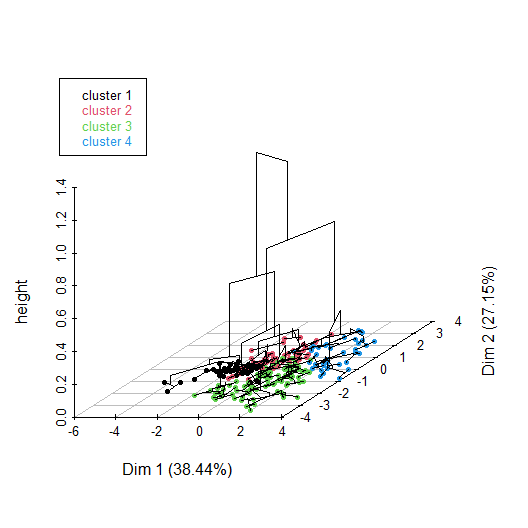
* high values for the variables *Mean\_Vimentin*, *Proliferation\_DMSO*, *Hyaluronic\_Acid* and *Proliferation\_10.uM* (variables are sorted from the strongest).
* low values for the variables *Survival\_20.uM*, *Mean\_Ecad*, *CollagenIV*, *CollagenI*, *Adhesion* and *Mean\_PXR* (variables are sorted from the weakest).

The **cluster 3** is made of individuals such as *95*. This group is characterized by :

* high values for the variables *Survival\_20.uM*, *Survival\_10.uM* and *Proliferation\_20.uM* (variables are sorted from the strongest).
* low values for the variables *Proliferation\_DMSO*, *Mean\_Vimentin* and *Adhesion* (variables are sorted from the weakest).

The **cluster 4** is made of individuals such as *223*. This group is characterized by :

* high values for the variables *Mean\_PXR*, *Mean\_Ecad*, *Mean\_Vimentin*, *Laminin* and *CollagenI* (variables are sorted from the strongest).
* low values for the variables *Adhesion*, *Proliferation\_10.uM* and *CollagenIV* (variables are sorted from the weakest).



**Figure 1.3 - Hierarchical tree on the factorial map.**

The hierarchical tree can be drawn on the factorial map with the individuals colored according to their clusters.