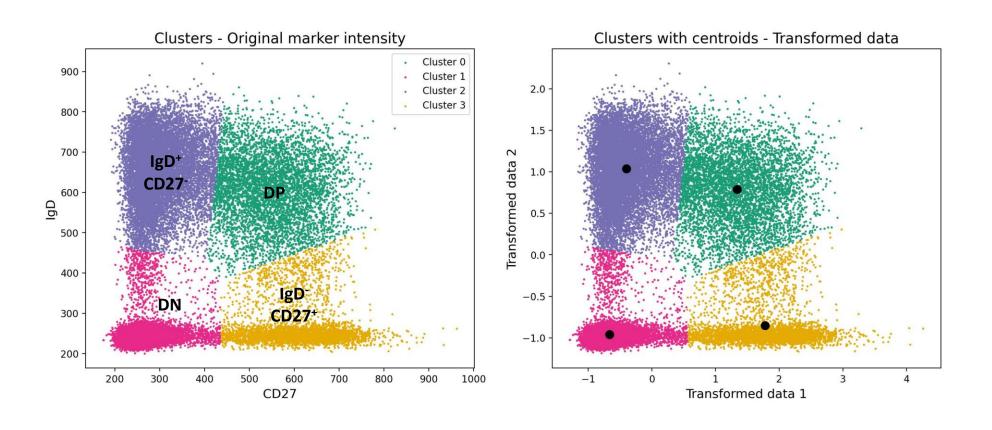
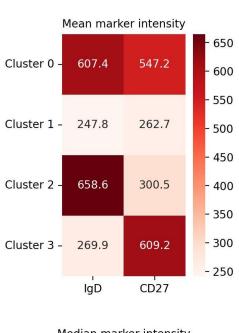
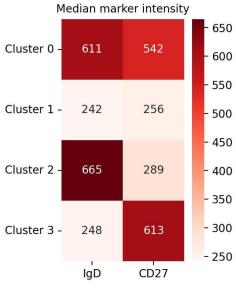
## **Results of K-Means clustering with four clusters**



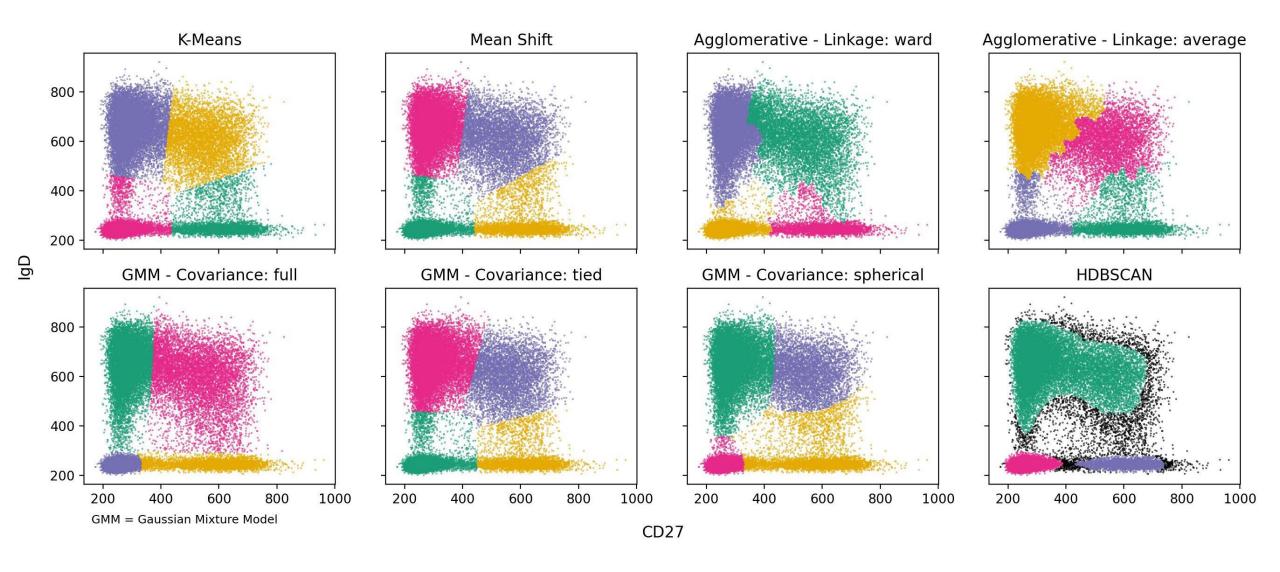
## Identified cell groups:

- Cluster 0 double positive (DP)
- Cluster 1 double negative (DN)
- Cluster 2 IgD+CD27-
- Cluster 3 IgD<sup>-</sup>CD27<sup>+</sup>





## **Comparison of different clustering methods**



## **Comparison of different clustering methods**

