## **Supplementary figures**

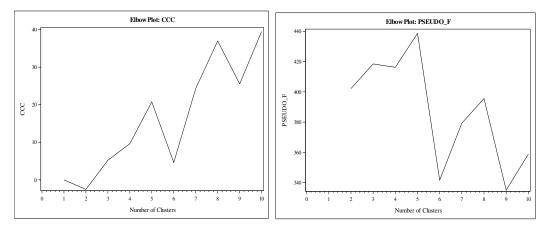


Figure S1: Results of the Cubic Clustering Criterion (CCC) and the pseudo F statistic, indicating 5 clusters are optimal

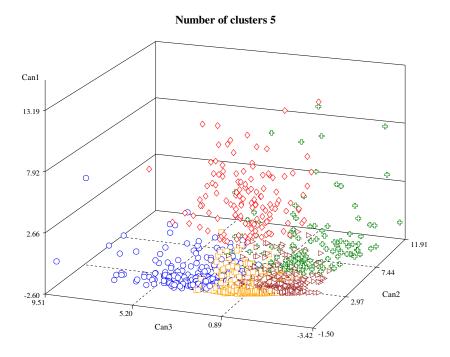


Figure S2: overlap of the clusters