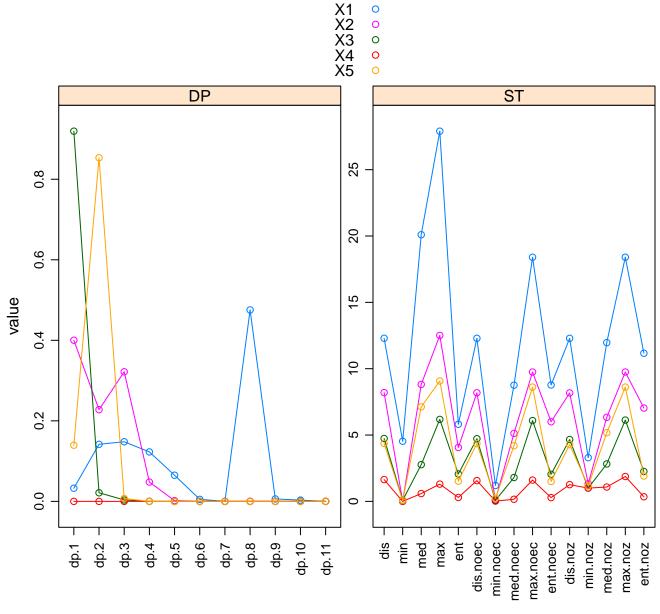fingerprints for clusters, without the value 0 for class DP