ELECTRONIC SUPPLEMENTARY INFORMATION (ESI)
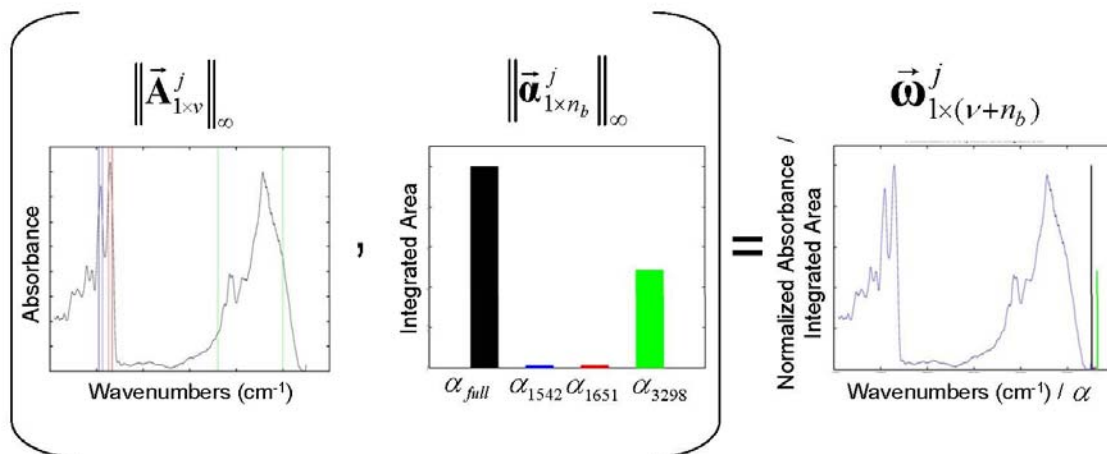

Fig. S1 Formation of concatenated vector $\vec{\omega}^j$ from original spectrum and characteristic spectral band integrated areas
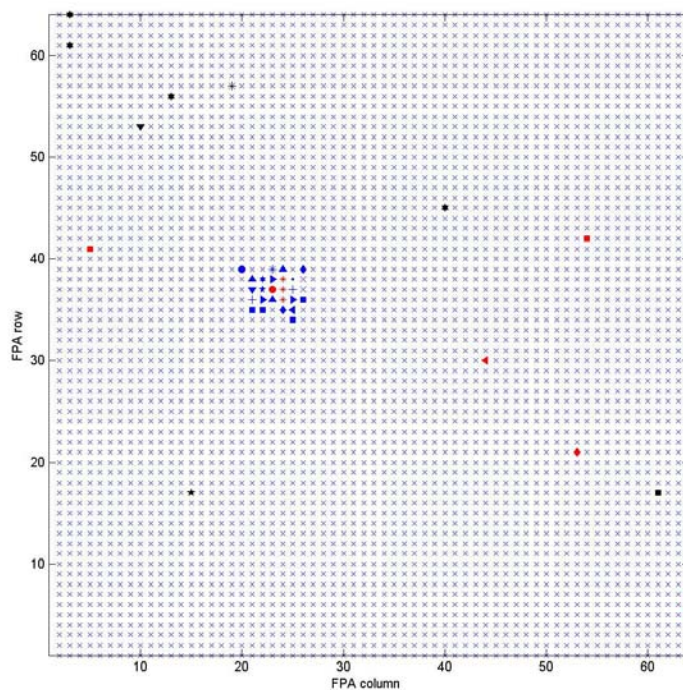

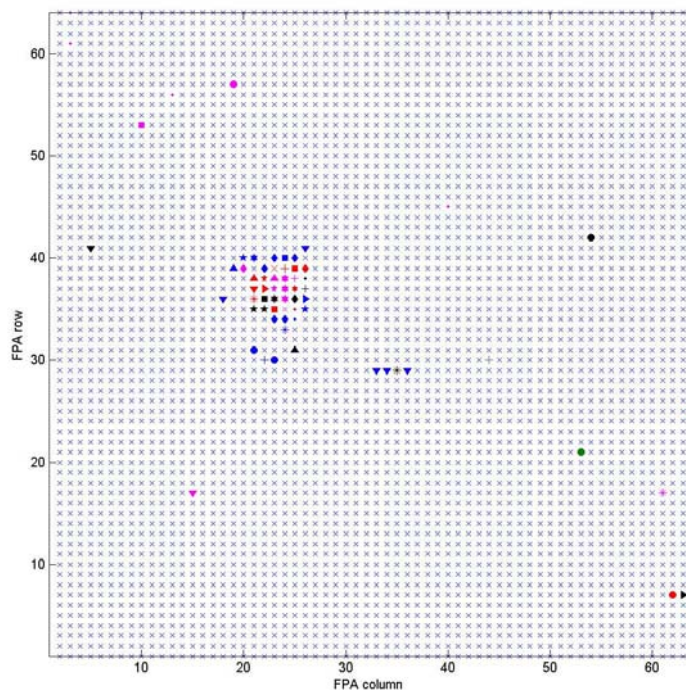**Fig. S2**: Clustering plot for oral mucosa cells PCA (30 clusters)

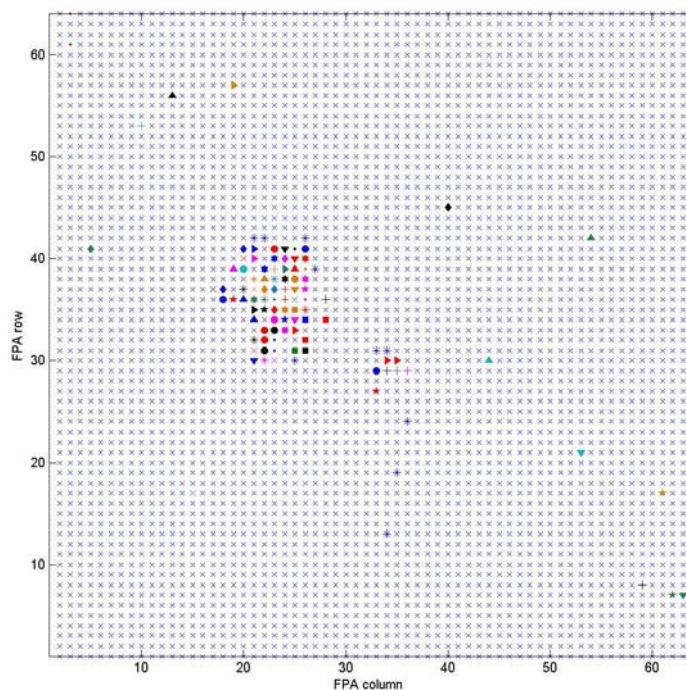**Fig. S3**: Clustering plot for oral mucosa cells PCA (50 clusters)

Fig. S4: Clustering plot for oral mucosa cells PCA (80 clusters)