Comparison of transflection and transmission FTIR-microscopy measurements performed on differentially fixed tissue sections

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SUPPLEMENTARY MATERIAL

**SM1:** Individual HCA performed on the transflection and transmission images obtained for tissue #1. Images are coloured according to the classes indicated by the cluster. Left image correspond to transmission and right image to transflection. The spectra correspond to the mean spectrum of each class, corresponding the solid and light lines to the transmission and transflection respectively:
**SM2:** Individual HCA performed on the transflection and transmission images obtained for tissue #2. Images are coloured according to the classes indicated by the cluster. Left image correspond to transmission and right image to transflection. The spectra correspond to the mean spectrum of each class, corresponding the solid and light lines to the transmission and transflection respectively:
SM3: Full resolution image of the tissue #1:

3000 μm
SM4: Baseline (dotted blue line) used on figure 3b and before the principal component analysis. Pink points represent the data used to fit the straight line.
SM5: Full PCAs corresponding to figure 4

NOT NORMALIZED

#1
Samples/Scores Plot of data

#2
Samples/Scores Plot of data

Variables/Loadings Plot for data

Variables/Loadings Plot for data
SM6: Full PCAs corresponding to figure 5

#1
Samples/Scores Plot of data

Scores on PC 2 (20.54%)
Scores on PC 1 (65.13%)

Variables/Loadings Plot for data

PC 1 (65.13%), PC 2 (20.54%)

#2
Samples/Scores Plot of data

Scores on PC 2 (33.09%)
Scores on PC 1 (54.36%)

Variables/Loadings Plot for data

PC 1 (54.36%), PC 2 (33.09%)