

Supplementary Information

Article

Multivariate statistical analysis of surface enhanced Raman spectra of human serum for Alzheimer's disease diagnosis

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Appendix A. The difference spectrum calculated between the different classes of average spectra, including ± 2 standard deviations

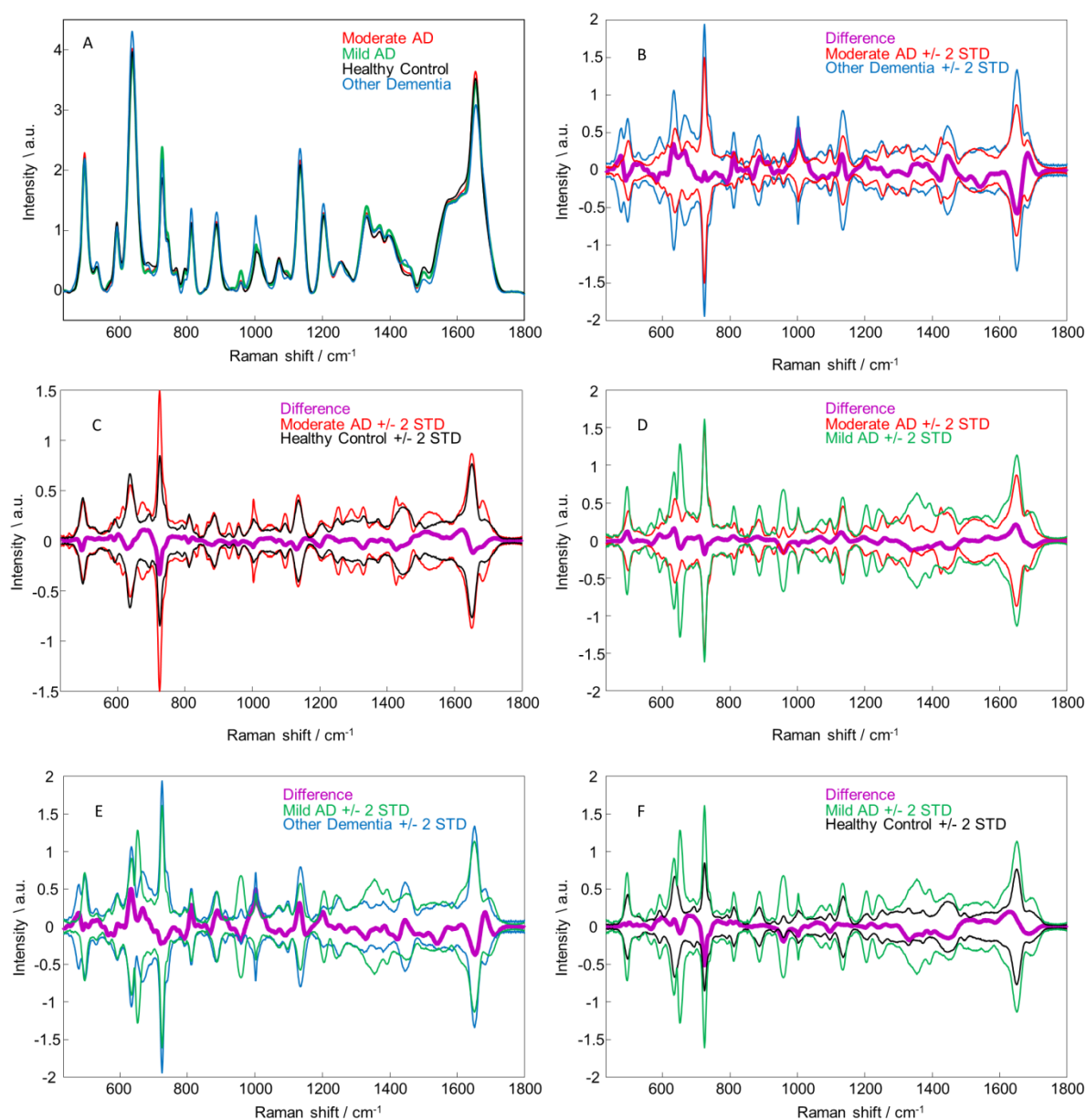


Figure S.1 SERS of human blood serum. (a) Mean SERS spectra of human blood serum obtained for the mild AD (green line), moderate AD (red line), HC (black line) and OD (blue line) cohorts. Difference mean spectra (purple lines) and spectral variations around the mean (± 2 STD) for: (b) moderate AD and OD; (c) moderate AD and HC; (d) moderate AD and mild AD; (e) mild AD and OD; and (f) mild AD and HC cohorts. Difference spectra were calculated using the mean SERS spectra of the compared groups. The difference spectra are displayed along with \pm two standard spectral deviations (± 2 STD) for the groups that were compared.