

Supporting Information (S2 Appendix) for

## **Critical-depth Raman spectroscopy enables home-use non-invasive glucose monitoring**

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## Description of data fields in S1 Dataset

The unprocessed Raman spectra (and related information) that are acquired during the clinical trial and used for data analysis are collected in a .mat file in a struct named *Xfilt*.

The struct *Xfilt* contains the following information:

- Data: Unprocessed Raman spectra.
- ID: Information related to the individual Raman spectra:
  - o Col. 1: Person no. (pID)
  - o Col. 2: Analysis day
- NumDate: Time stamp as a decimal number, representing number of days from the 1<sup>st</sup> of January 2015.
- Settings: Information regarding device settings of collection depth (in  $\mu\text{m}$ ).
- Skin: Information regarding the thickness (in  $\mu\text{m}$ ) of stratum corneum on thenar.
- Yref: Reference glucose concentration (in mmol/L) from blood sample.
- Axis: Raman shifted axis ( $\text{cm}^{-1}$ ).