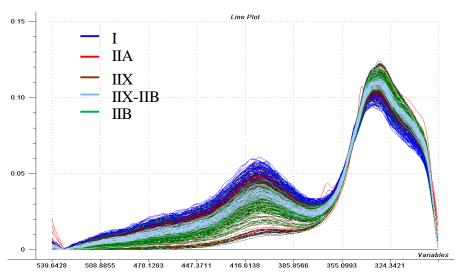
Electronic Supplementary Material (ESI) for Analyst.

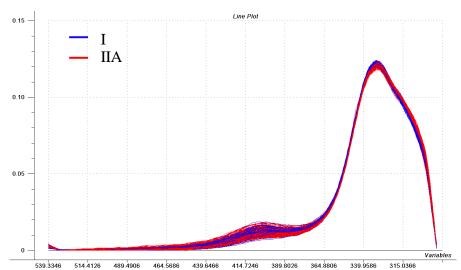
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Figure S1: Experimental Fluorescence spectra

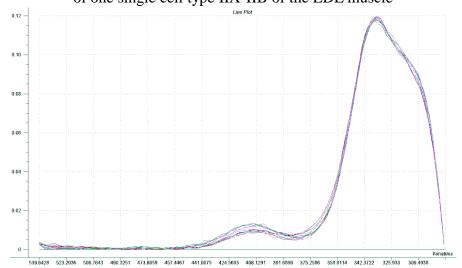
Line plot of all the spectral acquisitions made in the central part of the EDL muscle



Line plot of the spectral acquisitions made in the central part of the soleus muscle



Line plot of the spectral acquisitions made in the central part of one single cell type IIX-IIB of the EDL muscle



Line plot of the spectral acquisitions made in the central part of one single cell type I of the soleus muscle

