

Supplementary Information

Raman microspectroscopy of live cells under autophagy-inducing conditions

S. O. Konorov, M. A. Jardon, J. M. Piret, M. W. Blades and R. F. B. Turner

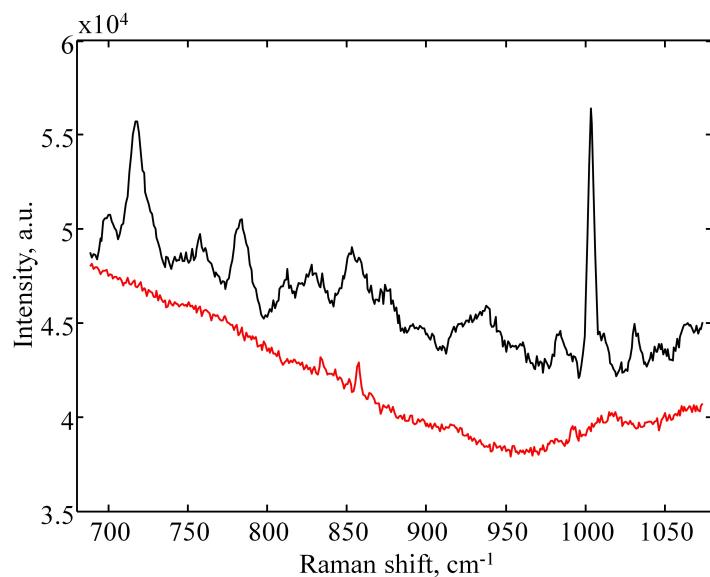


Figure 1S. Example of raw (pre-processed) spectrum from LMD cells following 2 days of growth in Glutamine-free medium (black). Example of background spectrum obtained from the substrate in the same LMD cell culture (red). Spectra analysed in the *Results and discussion* are based on spectra processed (background-subtracted, baseline-corrected and smoothed) as described in the *Materials and methods*.

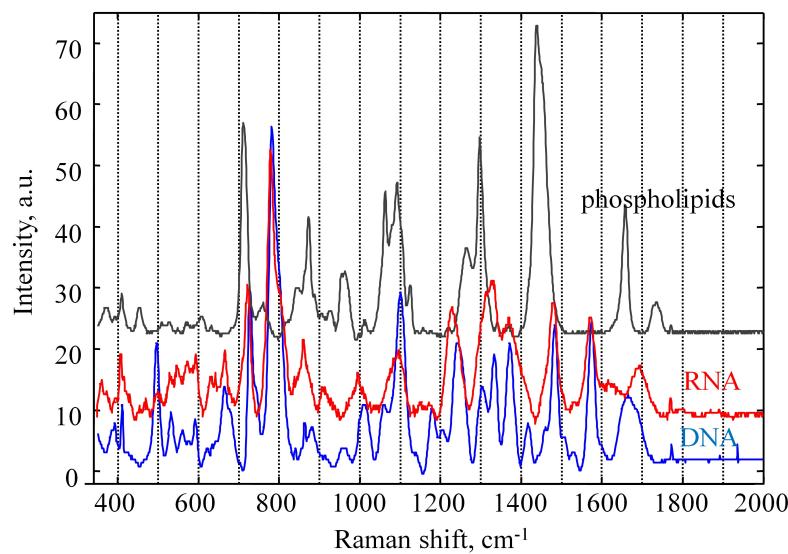


Figure 2S. Raman spectra of pure components of interest (all from Sigma-Aldrich, St. Louis, MO). The phospholipid is from soy bean extract; the RNA is from yeast; the DNA is from Salmon sperm. Note that the 784 cm^{-1} band of both DNA and RNA overlap such that this band represents both nucleic acids.