Supplementary Information Bluecher, Zilberfain et al.
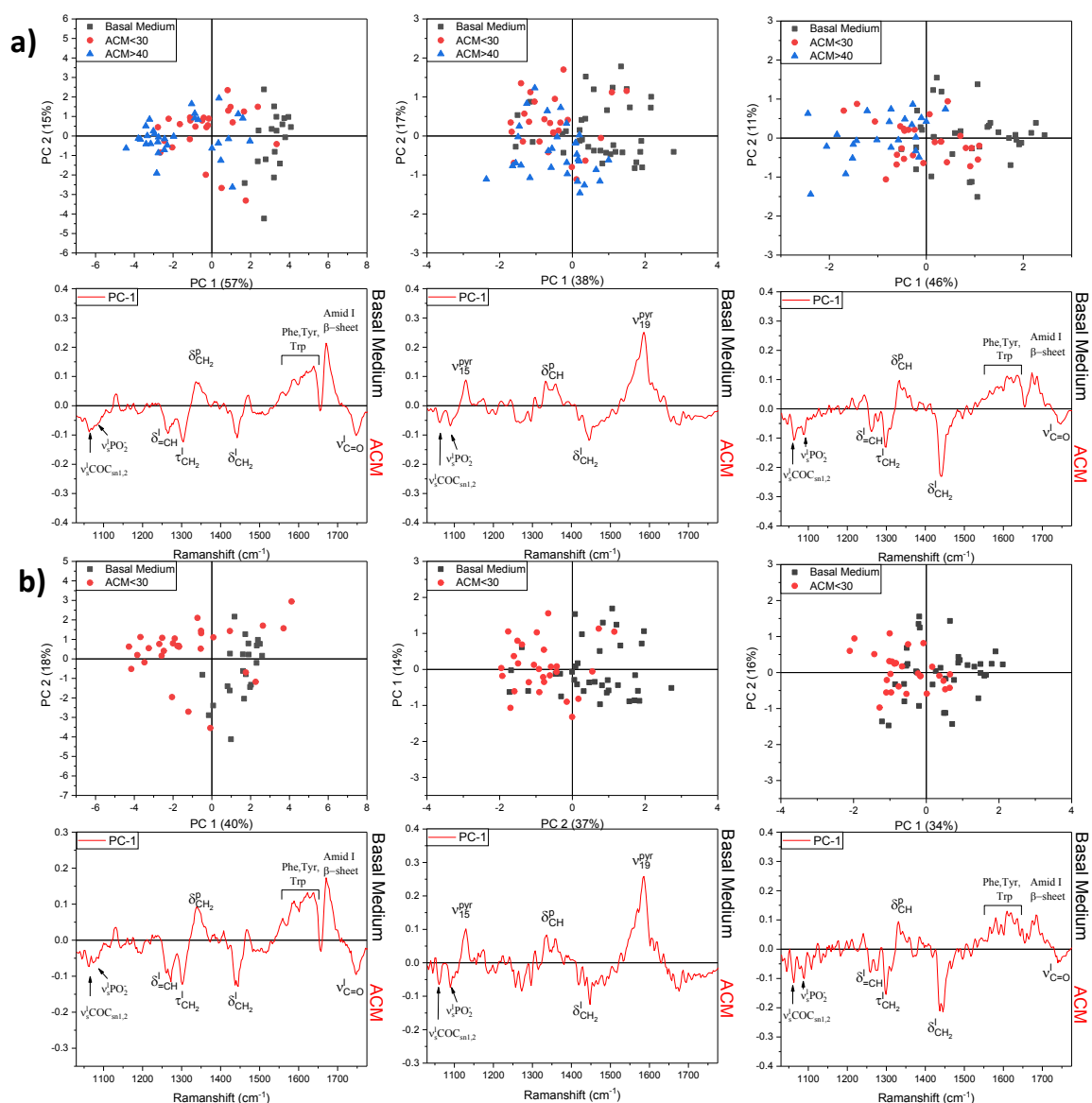

Figure S1: **a)** PCA of the SNV normalized spectra of LDs, mitochondria and ER extracted from single MDA-MB-231 cells which were incubated with basal medium, $ACM_{<30}$ and $ACM_{>40}$. The separation of the cell populations occurs gradually from basal medium over $ACM_{<30}$ to $ACM_{>40}$ along PC 1, which is displayed in the loading plots below. **b)** PCA of the SNV normalized spectra of LDs, mitochondria and ER extracted from breast cancer cells incubated with basal medium and $ACM_{<30}$. The cell populations are separated in the score plot along PC 1, which is displayed in the loading plots below. (δ, deformation; ν, stretching; τ - twisting; l – lipids; p – proteins, pyr – pyrrole rings of porphyrin in cytochrome)