

Description of Additional Supplementary Files

Supplementary Data 1

Description: List of the identified lipid species from single cell samples using SC-MSI under positive ion mode.

Supplementary Data 2

Description: List of the identified lipid species from single cell samples using SC-MSI under negative ion mode.

Supplementary Data 3

Description: List of lipids exhibiting significant difference between PANC1 and PSC cells from the co-culture sample.

Supplementary Data 4

Description: Lipidomic search results from cell samples and mouse brain samples.