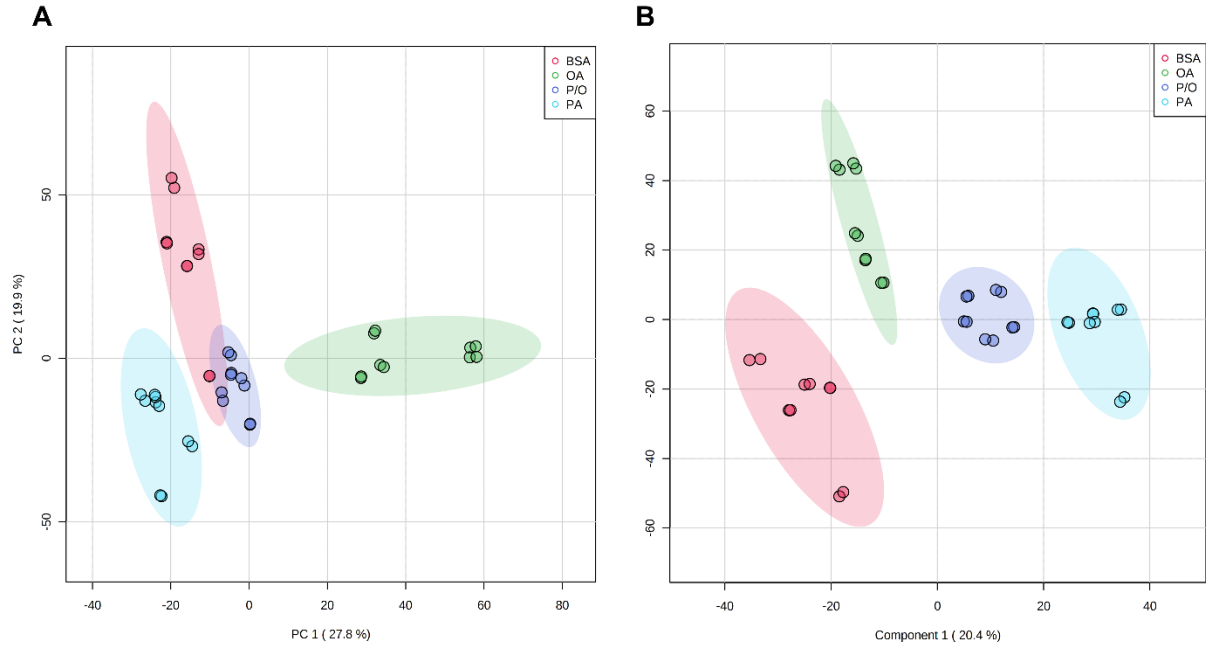**Supplementary Figure S1. Multivariate visualization of the degree of separation between metabolite profiles in NEFA-treated BeWo CT cells. (A)** Unsupervised principal component analysis (PCA) and **(B)** supervised partial least squares discriminant analysis (PLS-DA) plots were constructed to visualize the degree of difference in metabolite profiles between PA, OA, P/O and BSA-control cultures.

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Supplementary Figure S2. Multivariate visualization of the degree of separation between lipidome profiles in NEFA-treated BeWo CT cells. (A) Unsupervised principal component analysis (PCA) and **(B)** supervised partial least squares discriminant analysis (PLS-DA) plots were utilized to visualize the degree of difference in lipidome profiles between PA, OA, P/O and BSA-control cultures.