REPORTS

DATA REPORTS & GRAPHICS

STANDARD REPORT	
Information on methodology	✓
Analysis details	✓
Sample amounts	✓
Technical variation	✓
Quantitative lipidomics results in tabular format	✓
Graphical presentation	✕
• Averaged **lipid class** values with replicate standard deviations	✕
• Averaged **(sub)species, double bond, chain length and hydroxylation profiles** for each lipid class	✕
• **Principal component analysis** for unaveraged replicates	✕
• The extended report can be viewed via internet browser (as an offline local webpage) or data files can be browsed manually	✕
Interactive data data visualization with LipotypeZoom (free of charge with extended data report)	✕

EXTENDED REPORT	
Information on methodology	✓
Analysis details	✓
Sample amounts	✓
Technical variation	✓
Quantitative lipidomics results in tabular format	✓
Graphical presentation	✓
• Averaged **lipid class** values with replicate standard deviations	✓
• Averaged **(sub)species, double bond, chain length and hydroxylation profiles** for each lipid class	✓
• **Principal component analysis** for unaveraged replicates	✓
• The extended report can be viewed via internet browser (as an offline local webpage) or data files can be browsed manually	✓
Interactive data visualization with LipotypeZoom (free of charge with extended data report)	◉

Contact

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View our data analysis services:
www.lipotype.com/lipidomics-data-analysis

Version: 12/2020

STATISTICAL REPORT

Includes a maximum of **8 pairwise comparisons** or **8 correlations analysis** modules ✓

Provided as **pdf report**
→ All plots and calculated data are **provided in separated files** (pdf/xlsx) ✓

Principal component analysis as general overview ✓

COHORT COMPARISON MODULE

*This package **compares two groups of multiple samples** and includes:*

Comparison of lipid (sub-)species ✓

- Contains significance tests, graphical presentation of the result of the pairwise comparison (Volcano plot) and individual graphical presentation of significant hits (e.g. box plots)

Comparison of lipid classes and fatty acid sums ✓

- Contains significance tests and individual graphical presentation of significant hits (e.g. box plots).

Comparison of lipid feature sums (total length, total double bonds and hydroxylations sums within a class) ✓

- Contains significance tests and individual graphical presentation of significant hits.

This package also has the **additional option** to include a **pathway enrichment analysis** based on the lipid classes of the lipid species hits. ◉

CORRELATION ANALYSIS MODULE

*This package **correlates a continuous parameter of multiple samples to lipid species and higher aggregates** and includes:*

Correlation analysis of lipid (sub-)species ✓

- Contains a histogram of correlation estimates, p-values and individual graphical presentation of significant correlations.

Correlation of lipid classes and fatty acids ✓

- Contains a histogram of correlation estimates, p-values and individual graphical presentation of significant correlations.

This package also has the **additional option** to include a **pathway enrichment analysis** based on the lipid classes of significantly correlating lipid species. ◉

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