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## CUSTOMER REFERENCE

**Food industry:** *functional food development*

### Lipid analysis of microorganisms for production of ingredients for the food, beverage and consumer health sectors



Evolve discovers and provides innovative, high value, sustainable ingredients – in particular for health, wellness and nutrition. Evolve has a proprietary, fermentation-based platform that allows radically different approaches to the production of ingredients for the food, beverage and consumer health sectors.

Evolve's technologies are based on yeast. Every day, all over the world, yeast is used to make food and drink. Evolve's approach bridges the modern and the traditional uses of yeast. On the modern side, Evolve creates yeasts with the ability to make existing and new ingredients. On the traditional side, Evolve's production methods would be recognizable to any brewer.

In the collaboration with Lipotype Evolve was interested in the quantitative analysis of the lipid composition of yeast cells. With its ShotgunLipidomics technology, Lipotype delivered detailed information on the structural and quantitative lipid composition of yeast cells. The information on the lipid composition facilitated strain optimization and adjustments of culture conditions to ensure maximal production efficiency for the compound in question.

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### About Lipotype

LIPOTYPE is a spin-off company from the Kai Simons and Andrej Shevchenko labs of the world-renowned Max-Planck-Institute of Molecular Cell Biology and Genetics in Dresden, Germany. Drawing on many years of cutting edge research experience, Lipotype delivers comprehensive, absolutely quantitative lipid analysis services for clinical and biological samples on a high-throughput scale. Lipotype offers high quality lipid analysis services for a wide range of customers and applications including biomarker identification for clinical researchers, pharma and biotech companies, functional food development for the food industry, claim support for the cosmetics industry, as well as for the small-scale profiling needs of academic researchers.

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**We offer high quality lipid analysis services for a wide range of customers and applications:**



**Biotech and pharma industry, clinical research**

*Drug discovery (mode-of-action studies, target validation, effect of delivery system on lipid metabolism), biomarker identification (pharmacodynamic, pharmacokinetic, CDx), clinical screening and diagnostics*



**Food industry**

*Intervention studies for development of functional food/nutraceuticals*



**Cosmetics and Dermatology**

*Cosmetic claim support, topical drug development, development of personalized cosmetics*



**Academic research**

*Lipid analysis of various model organisms*

