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Pharmacometabolomic for drug response phenotypes in the study of cardiovascular disease and its treatment

The present invention concerns the application of lipidomics to statin treatment for disorders such as cardiovascular disorders. Hence, the invention provides, among other things, a method of correlating a lipid profile with a positive or negative response to a statin treatment regimen by obtaining a lipid profile of a sample from a mammalian subject following commencement of the treatment regimen; and correlating the lipid profile in the sample with a positive or negative response to the treatment regimen. The invention further provides a method of correlating a lipid profile with a positive or negative response to a statin treatment regimen by obtaining a lipid profile of a sample from a mammalian subject before commencement of the treatment regimen; and correlating the lipid profile in the sample with a positive or negative response to the treatment regimen.

