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**Fig. S2**: Overview of phosphatidylcholine metabolism. In the liver about 30% of phosphatidylcholines are produced by the PEMT-pathway and 70% by the CDP-choline pathway (also called Kennedy-Pathway) [4]. Catalyzing enzymes are shown according to [1-4]. Phosphatidylcholines and lysophosphatidylcholines can be interconverted via the Lands’ cycle (see Fig. S3). Phosphatidylcholines can be degraded by different pathways, resulting in other biologically active molecules like phosphatidic acids catalyzed by lysophospholipase D (e.g., Autotaxin) [3]. Phosphatidylcholine and lysophosphatidylcholine species included in our potential biomarker set are shown.

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