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GC-TOF-MS-based serum metabolomic investigations of naked oat bran supplementation in high-fat-diet-induced dyslipidemic rats

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TITLE PAGE:**GC-TOF-MS-based serum metabolomic investigations of naked oat bran supplementation in high-fat-diet-induced dyslipidemic rats**

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Running title: Metabolomic investigations of naked oat bran on dyslipidemia

Footnotes: Abbreviations used: gas chromatography (GC), high performance liquid chromatography (HPLC), ultra performance liquid chromatography (UPLC), nuclear magnetic resonance (NMR), mass spectrometry (MS), gas chromatography quadrupole-time-of-flight mass spectrometry (GC-TOF MS), TG (total triglycerides), TC (total cholesterol), LDL-c (low-density lipoprotein cholesterol), HDL-c (high-density lipoprotein cholesterol), free fatty acid (FFA), fatty acid synthase (FAS), principal component analysis (PCA), partial least-squares discriminate analysis (PLS-DA), orthogonal partial least-squares discriminate analysis (OPLS-DA), variable importance in projection (VIP), arachidonic acid (AA), prostaglandins (PGs), S-Adenosylmethionine (SAM), PE, phosphatidyl ethanolamine; PC, phosphatidyl choline.

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