Tandem mass spectrometry analysis of prostaglandins and isoprostanes

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Conclusions

- Based on liquid chromatography-tandem mass spectrometry (LC-MS/MS), genetic analyses, and bioactivity assays, *C. elegans* synthesizes Coxindependent F-series PGs from PUFA precursors.
- F-series PGs are synthesized in Cox-deficient mice, indicating the possible existence of similar mechanisms in other animals.