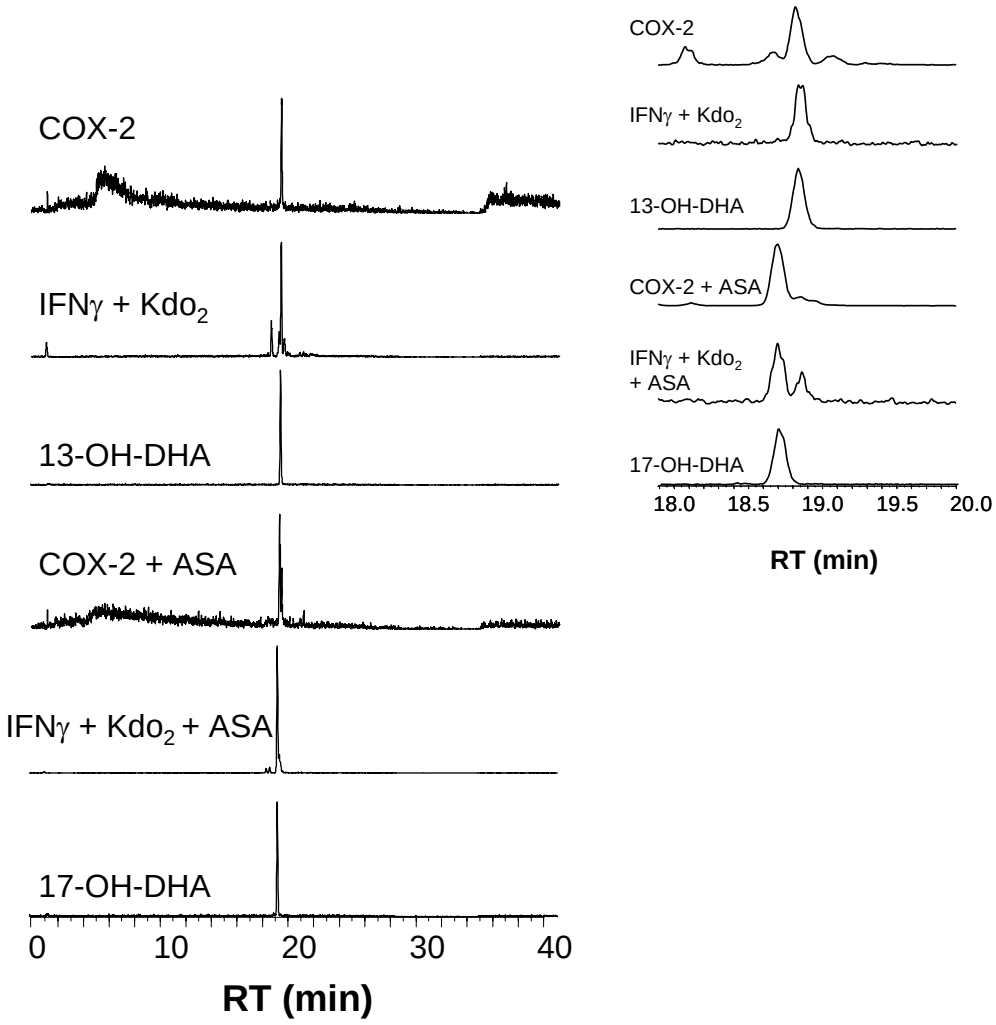
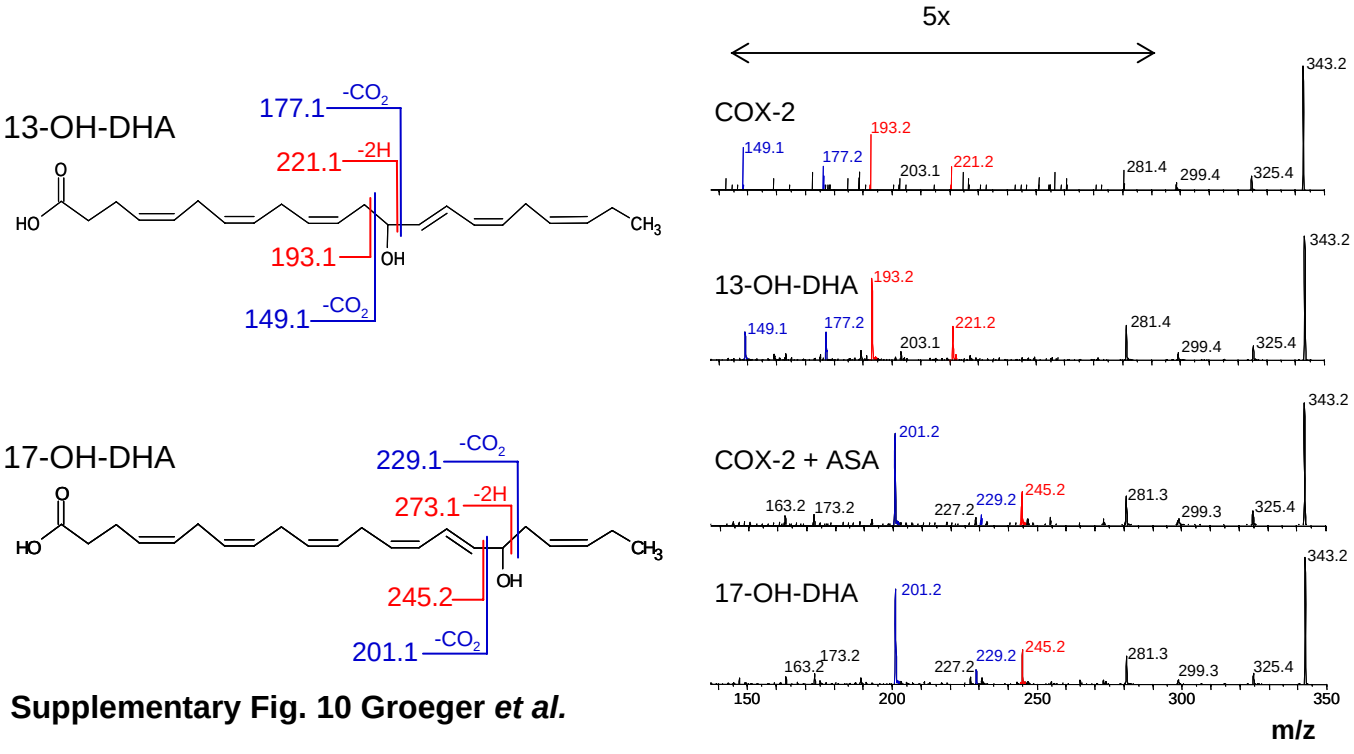
a

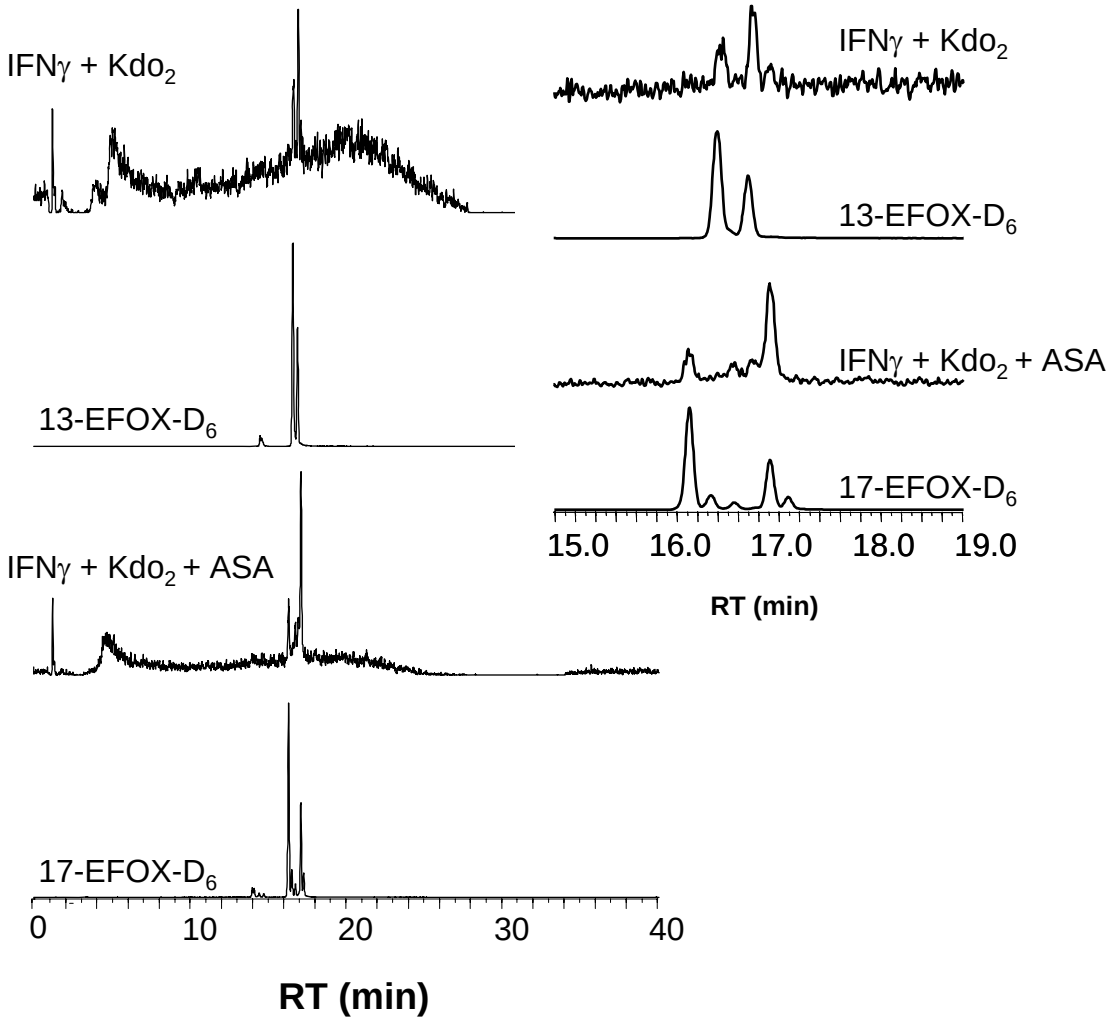


b



Supplementary Fig. 10 Groeger *et al.*

C



Supplementary Figure 10. ASA-acetylated COX-2 produces 17-OH-DHA, rather than 13-OH-DHA, both *in vivo* and *in vitro*. Chromatographic profiles (**a**) and mass spectra (**b**) of OH-DHA synthesized by COX-2 in presence of 10 μM DHA ±ASA. Chromatographic profiles of OH-DHA from cell lysates of activated RAW264.7 cells (Kdo_2 + IFNγ) ± ASA were also compared with 13-OH-DHA and 17-OH-DHA synthetic standards. **c**, Comparison of chromatographic profiles of EFOX-D_6 generated by activated RAW264.7 cells (Kdo_2 + IFNγ) ± ASA with 13-EFOX-D_6 and 17-EFOX-D_6 synthetic standards. The standards were enzymatically synthesized by incubating 20 μM 13- or 17-OH-DHA with 3α-hydroxysteroid dehydrogenase, in presence of 100μM NAD^+ for 10 min at 37°C. Enlarged chromatograms are reported in the insets.