

Fig. S1. GC-MS properties of the authentic sterols (after methylation and trimethylsilylation) used as the standards in the present study. (A), Total ion chromatogram of equimolar sterol mixture (100 pmol/injection). Chol, cholesterol; 27-OH, 27-hydroxycholesterol; 7KCh, 7-ketocholesterol; 27-COOH, 5-cholestenoic acid; 7KCh-27OH, 3 β -hydroxy-5-cholesten-7-one-26-oic acid. The insets show SIM chromatograms of 7KCh-27OH and 7KCh-27COOH (1 pmol/injection). Each ion trace is colored differently: m/z 560 (in blue), m/z 545 (in magenta), m/z 470 (in orange), m/z 455 (in gray), m/z 516 (in green), m/z 411 (in cyan), m/z 426 (in violet), and m/z 501 (in brown). (B), mass spectra of the individual sterols.