

Supplementary information

Alterations of the chemical profile of cholesterol in cancer tissue as traced with ToF-SIMS

Auraya Manaprasertsak^a, Julhash U. Kazi^b, Catharina Hagerling^a, Kenneth J. Pienta^c, Per Malmberg^d, and Emma U. Hammarlund^a

^aTissue Development and Evolution (TiDE), Department of Experimental Medical Sciences, Lund University, Lund, Sweden

^bDivision of Translational Cancer Research, Department of Laboratory Medicine, Lund University, Lund, Sweden

^cThe Cancer Ecology Center, Brady Urological Institute, Johns Hopkins School of Medicine, Baltimore, MD, USA.

^dDepartment of Chemistry and Chemical Engineering, Chalmers University of Technology, 412 96 Gothenburg, Sweden.

Contents:

Figure S1. The percentage ratios of various cholesterol peaks of mammary glands in whole tissue (green; n=3) and selected areas 500×500 μm² (purple; n=10). The majority of variations in isotopic patterns showed no significant distinctions between the whole tissue and the selected regions.

Figure S2. The normalized ratio of fragmented cholesterol (C₂₇H₄₅⁺: *m/z* 369) over intact cholesterol (C₂₇H₄₅O⁺: *m/z* 385) from mammary glands in WT mice (blue; n=19) and MMTV-PyMT mice (orange; n=19). Asterisks indicate a statistically significant difference with *p* < 0.0001 (****).

Figure S3. The fractional abundance from DESI-MS of **A)** fragmented cholesterol ($C_{27}H_{45}^+$: m/z 369) and **B)** intact cholesterol ($C_{27}H_{45}O^+$: m/z 385) from mammary glands in WT mice (blue) and MMTV-PyMT mice (orange). Asterisks indicate a statistically significant difference with $p < 0.05$ (*) and $p < 0.001$ (***).

Figure S4. The percentage ratio of fragmented cholesterol ($C_{27}H_{45}^+$: m/z 369) over intact cholesterol ($C_{27}H_{45}O^+$: m/z 385) from pure cholesterol (pink; $n=5$), mammary glands in WT mice (blue; $n=19$) and MMTV-PyMT mice (orange; $n=19$). Asterisks indicate a statistically significant difference with $p < 0.0001$ (****).

Figure S5. The distribution of salts (Na^+ : m/z 23 and K^+ : m/z 39) and phosphatidylcholine head group ($C_5H_{12}N^+$: m/z 86 and $C_5H_{15}PNO_4^+$: m/z 184) from mammary glands from **A)** WT mice and **B)** MMTV-PyMT mice.

Figure S6. The peak areas of salts (Na^+ : m/z 23 and K^+ : m/z 39) and phosphatidylcholine head group ($C_5H_{12}N^+$: m/z 86 and $C_5H_{15}PNO_4^+$: m/z 184) from mammary glands from WT mice and MMTV-PyMT mice.

Figure S7. The percentage ratios of various cholesterol peaks of 3 cholesterol standards. The percentage ratios of each peak were labelled with the Roman numerals in **Fig. 5**.

Fig. S8. The overlay spectra in the range of m/z 366 to 370 to show the oxidation effects of **A)** non-enriched cholesterol standard ($C_{27}H_{46}O$), **B)** enriched ^{13}C cholesterol standard ($^{13}CC_{26}H_{46}O$) and **C)** enriched $^{13}C_2$ cholesterol standard ($^{13}C_2C_{25}H_{46}O$).

Figure S9. The normalized ratio of isotopic patterns for $^{13}CC_{26}H_{43}^+/C_{27}H_{43}^+$ (368/367), $^{13}CC_{26}H_{45}^+/C_{27}H_{45}^+$ (370/369), $^{13}C_2C_{25}H_{45}^+/^{13}CC_{26}H_{45}^+$ (371/370), $^{13}C_2C_{25}H_{45}^+/C_{27}H_{45}^+$ (371/369), $^{13}CC_{26}H_{43}O^+/C_{27}H_{43}O^+$ (384/383), $^{13}CC_{26}H_{45}O^+/C_{27}H_{45}O^+$ (386/385), $^{13}C_2C_{25}H_{45}O^+/^{13}CC_{26}H_{45}O^+$ (387/386), and $^{13}C_2C_{25}H_{45}O^+/C_{27}H_{45}O^+$ (387/385) from mammary glands in WT mice (blue;

49 n=19) and MMTV-PyMT mice (orange; n=19). Asterisks indicate a statistically significant
50 difference with $p < 0.01$ (**), $p < 0.001$ (***) and $p < 0.0001$ (****).

51 **Figure S10.** The zoom-in overlay spectra of mammary glands from **A)** and **C)** WT mouse (FVB)
52 **B)** and **D)** tumour-bearing mouse (MMTV-PyMT).

53

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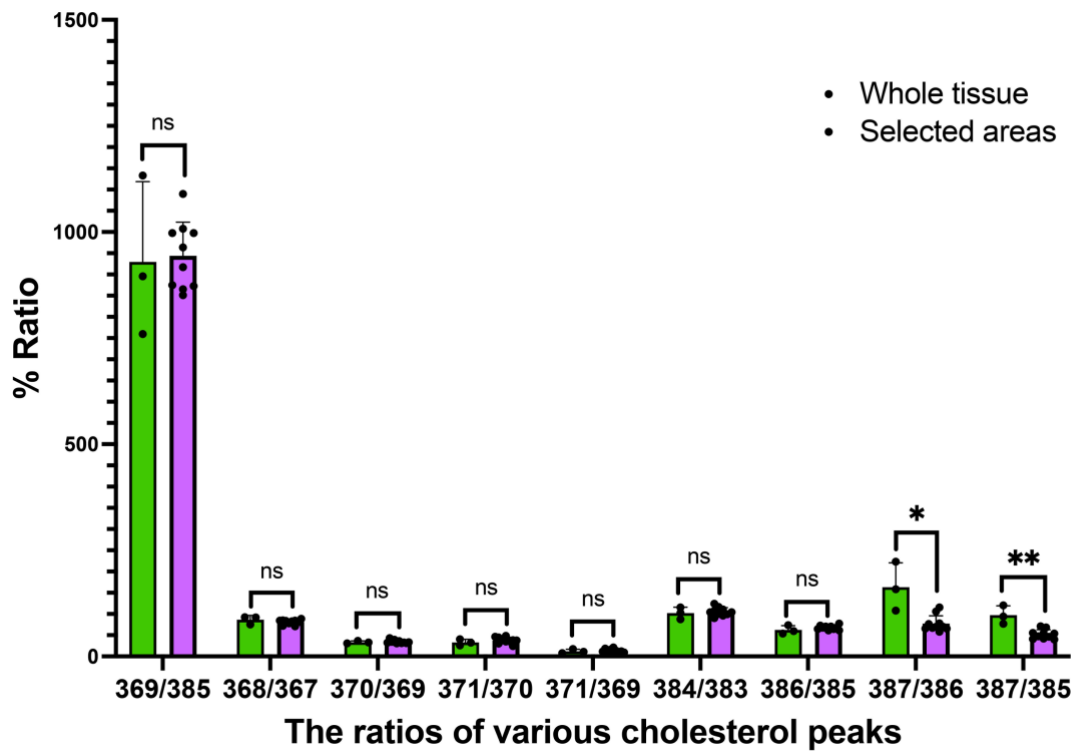


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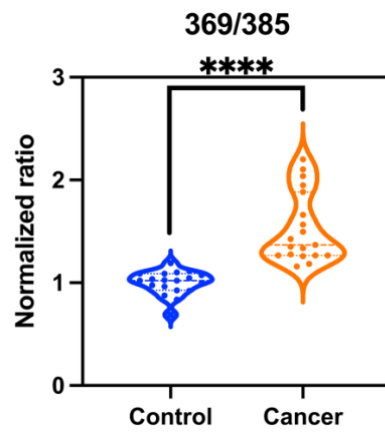


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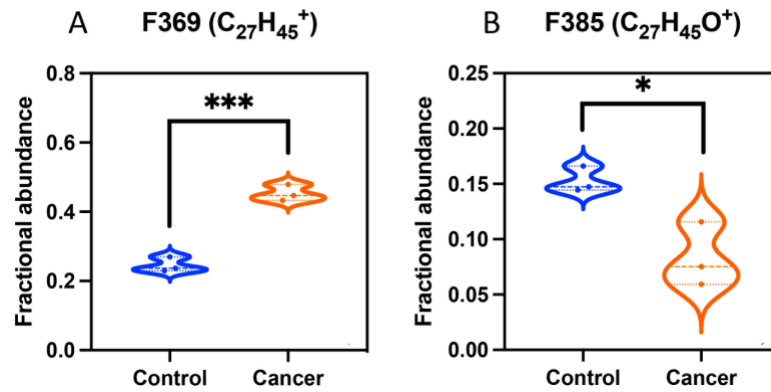


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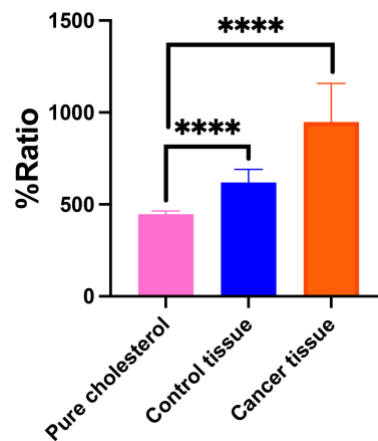


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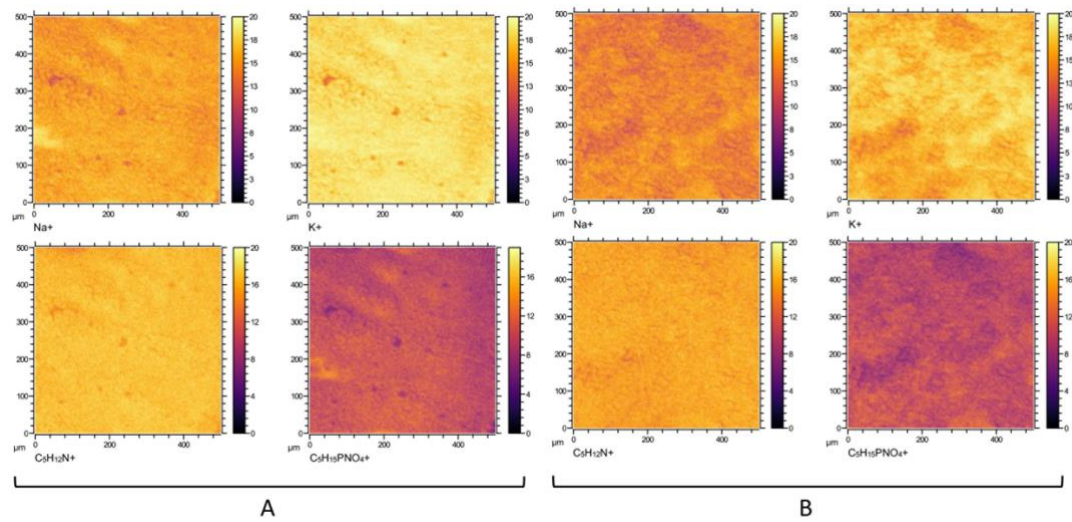


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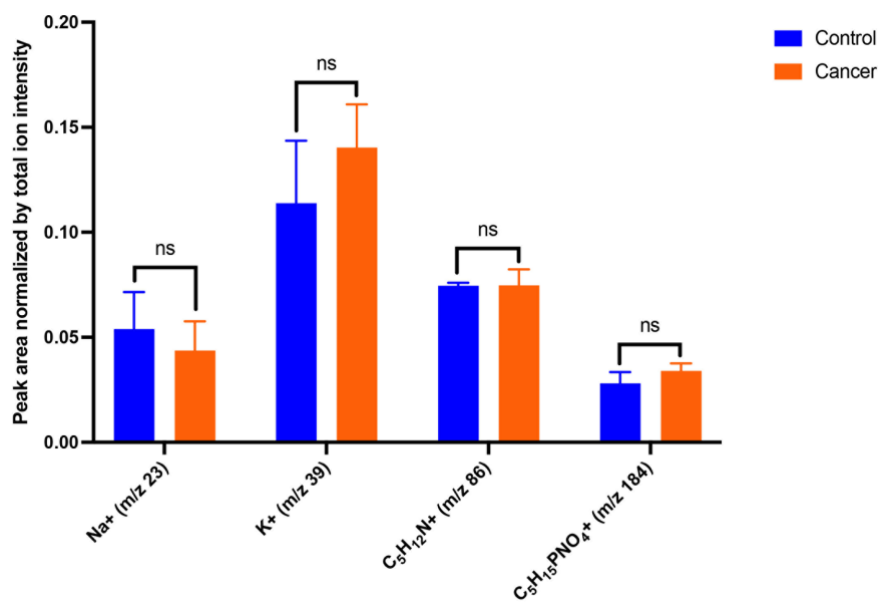


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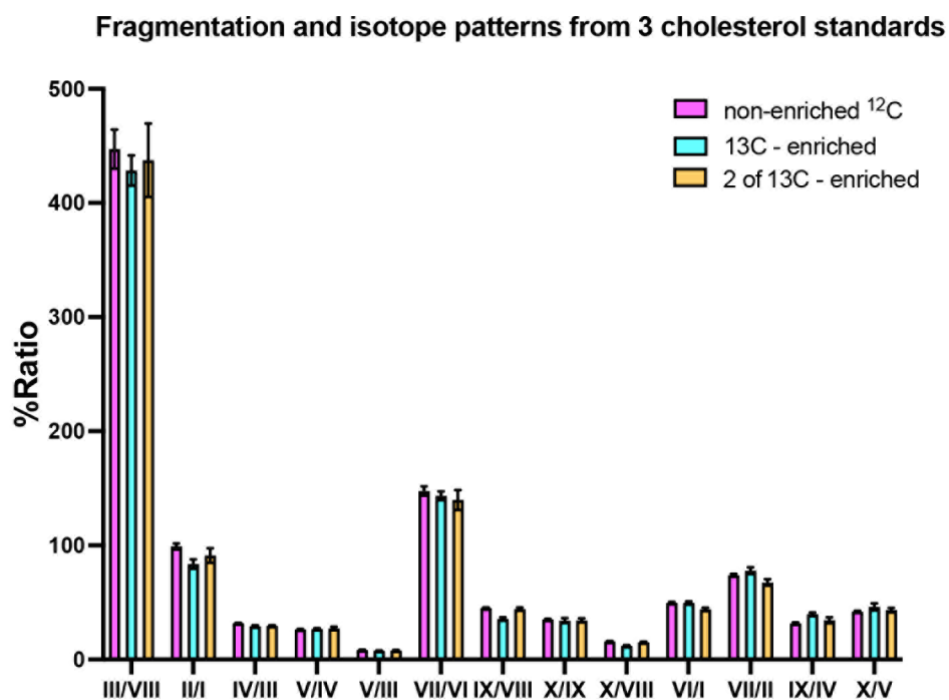


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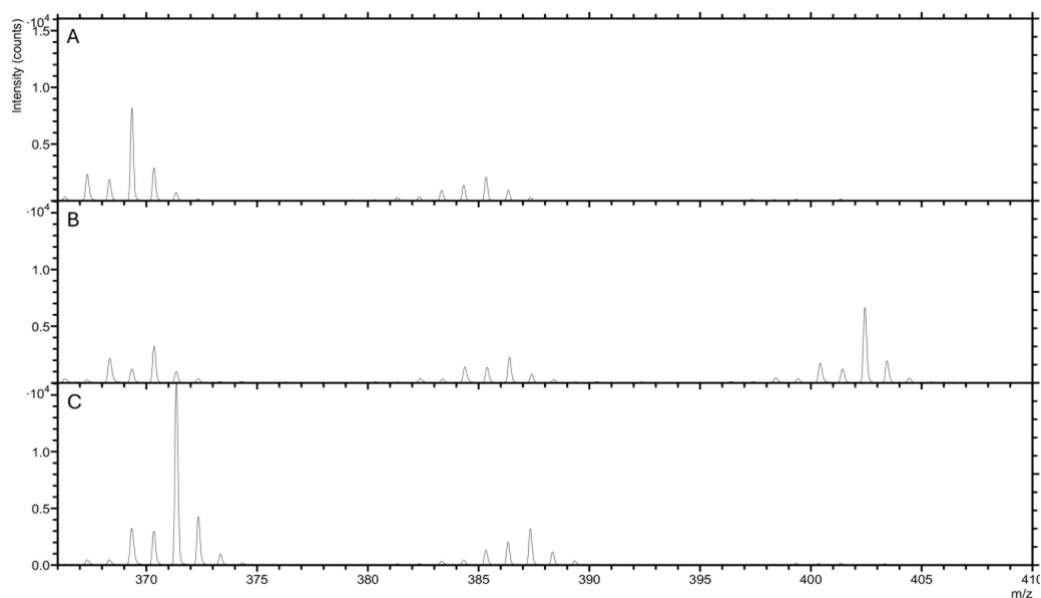
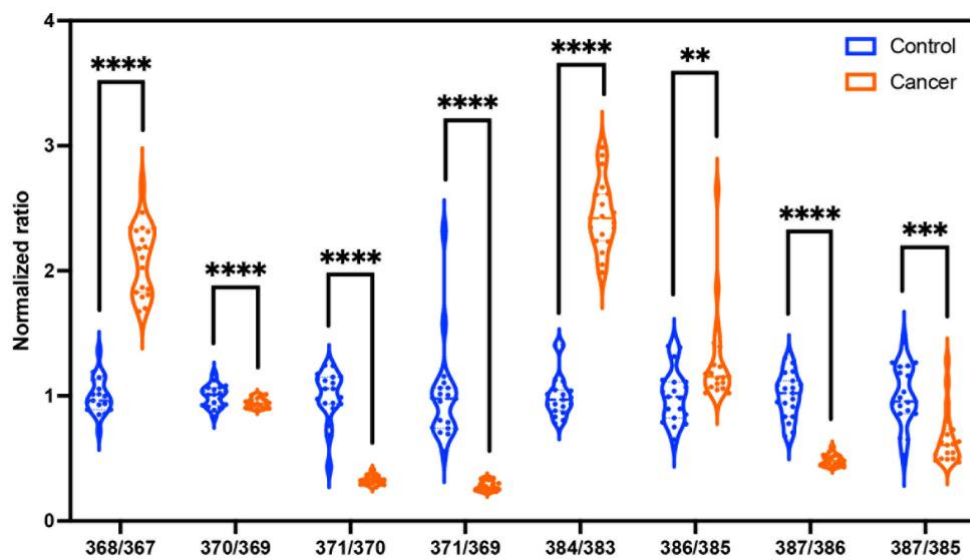
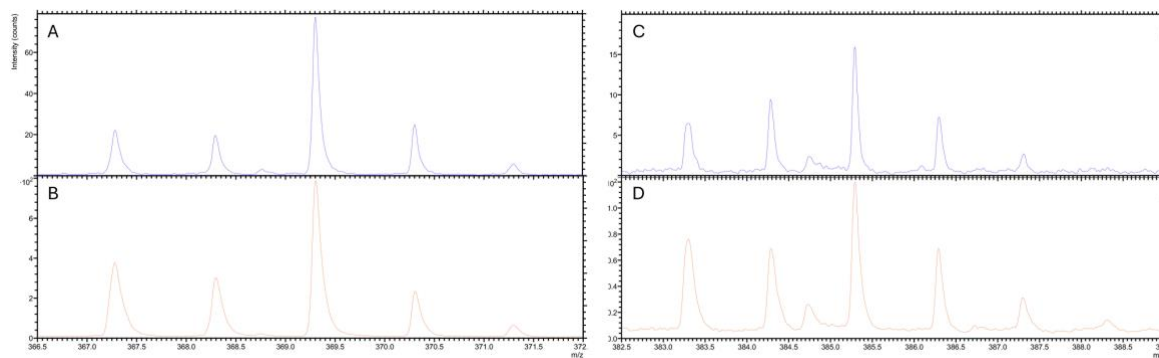


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116