

Appendix

Appendix Table S1

Appendix Table S1: Exact p-values for Figures 1G, 1H, 1I, 2B, 2C, 2E, 4E, 4K, EV4H	
Fig. 1G	<p>Orthografts - 22rv1 THEM6 KO</p> <p>two-tailed Mann-Whitney U test</p> <p>KO/CTL Week 3p = 0.0079 Week 4p = 0.0079 Week 5p = 0.0079 Week 6p = 0.0079 Week 7p = 0.0317</p>
Fig. 1H	<p>Xenografts - LNCaP Al THEM6 KO</p> <p>two-tailed Mann-Whitney U test</p> <p>KO/CTL Week 3n.s. Week 4n.s. Week 5n.s. Week 6p = 0.0175 Week 7p = 0.0041</p>
Fig. 1I	<p>Orthografts - CWR22res THEM6 KO</p> <p>Kruskal-Wallis test</p> <p>KO1/CTLKO2/CTL Week 3n.s.n.s. Week 5n.s.n.s. Week 6n.s.p = 0.0324 Week 7p = 0.0357p = 0.0265</p>
Fig. 2B	<p>Total lipids - 22rv1 THEM6 KO</p> <p>1-way ANOVA - Dunnett's multiple comparison test</p> <p>KO1/CTLKO2/CTL DAGp = 0.0451n.s. TGp < 0.0001p < 0.0001 PCn.s.n.s. PEp = 0.0001p = 0.0048 Pln.s.n.s. LysoPCn.s.n.s. LysoPEp = 0.0084 Ether TGp < 0.0001p = 0.0002 Ether PCn.s.n.s. Ether PEp = 0.0001 Cer.p = 0.0007p = 0.0027 SMn.s.n.s. CEn.s.p = 0.0003</p>
Fig. 2C	<p>Total lipids - LNCaP Al THEM6 KO</p> <p>1-way ANOVA - Dunnett's multiple comparison test</p> <p>KO1/CTLKO2/CTL DAGp = 0.0005p = 0.0464 TGp = 0.0010n.s. PCn.s.n.s. PEN.s.n.s. Pln.s.n.s. LysoPCn.s.n.s. LysoPEp = 0.0004p = 0.0118 Ether TGp = 0.0020p = 0.0225 Ether PCp = 0.0005p = 0.0034 Ether PEN.s.n.s. Cer.p = 0.0003n.s. SMn.s.n.s. CEn.s.n.s.</p>
Fig. 2E	<p>Total lipids - CWR22res THEM6 OE</p> <p>two-tailed Student t-test</p> <p>OE/EV DAGp = 0.0002 TGp = 0.0009 PCn.s. PEp = 0.0043 Plp < 0.0001 LysoPCn.s. LysoPEp = 0.0341 Ether TGp = 0.0341 Ether PCp = 0.0013 Ether PEp = 0.0030 Cer.p = 0.0188 SMp = 0.0001 CEn.s.</p>

Fig. 4E

Desmosterol

1-way ANOVA - Dunnett's multiple comparison test

KO1/CTLKO2/CTL
 m/z 0p = 0.0002p < 0.0001
 m/z +1n.s.n.s.
 m/z +2n.s.n.s.
 m/z +3n.s.n.s.
 m/z +4n.s.n.s.
 m/z +5p = 0.0004p = 0.0002
 m/z +6p = 0.0096p = 0.0017
 m/z +7p = 0.0007p = 0.0001
 m/z +8p = 0.0029p = 0.0013
 m/z +9p < 0.0001p < 0.0001
 m/z +10p = 0.0099p = 0.0026
 m/z +11p = 0.0022p = 0.0033
 m/z +12n.s.p = 0.0325
 m/z +13n.s.n.s.
 m/z +14n.s.p = 0.0160
 m/z +15p = 0.0027p = 0.0010
 m/z +16p = 0.0002p < 0.0001
 m/z +17p < 0.0001p < 0.0001
 m/z +18p < 0.0001p < 0.0001
 m/z +19p < 0.0001p < 0.0001
 m/z +20p < 0.0001p < 0.0001
 m/z +21p < 0.0001p < 0.0001
 m/z +22p < 0.0001p < 0.0001
 m/z +23p < 0.0001p < 0.0001
 m/z +24p < 0.0001p < 0.0001
 m/z +25p < 0.0001p < 0.0001
 m/z +26n.s.p = 0.0249
 m/z +27n.s.n.s.

Fig. 4K

Palmitic acid

1-way ANOVA - Dunnett's multiple comparison test

KO1/CTLKO2/CTL
 m/z 0p = 0.0012p = 0.0020
 m/z +1p = 0.0028p = 0.0188
 m/z +2p < 0.0001p < 0.0001
 m/z +3p < 0.0001p < 0.0001
 m/z +4p < 0.0001p < 0.0001
 m/z +5p = 0.0007p = 0.0002
 m/z +6p < 0.0001p < 0.0001
 m/z +7p = 0.0006p = 0.0002
 m/z +8p < 0.0001p < 0.0001
 m/z +9n.s.n.s.
 m/z +10p < 0.0001p < 0.0001
 m/z +11p < 0.0001p < 0.0001
 m/z +12p < 0.0001p < 0.0001
 m/z +13p < 0.0001p < 0.0001
 m/z +14p < 0.0001p < 0.0001
 m/z +15p = 0.0003p = 0.0003
 m/z +16p < 0.0001p < 0.0001

Fig. EV4H

Palmitic acid

two-tailed Student t-test

KO1/CTL
 m/z 0p = 0.0070
 m/z +1p = 0.0328
 m/z +2n.s.
 m/z +3n.s.
 m/z +4p = 0.0171
 m/z +5n.s.
 m/z +6p = 0.0055
 m/z +7n.s.
 m/z +8p = 0.0008
 m/z +9n.s.
 m/z +10p = 0.0016
 m/z +11n.s.
 m/z +12p = 0.0032
 m/z +13n.s.
 m/z +14p = 0.0025
 m/z +15n.s.
 m/z +16p = 0.0052