

Electronic Supplementary Information

Dihydromyricetin prevents obesity via regulating bile acid metabolism associated with the farnesoid X receptor in
ob/ob mice

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Supplementary Table 1 The equations of standard linear regression curves

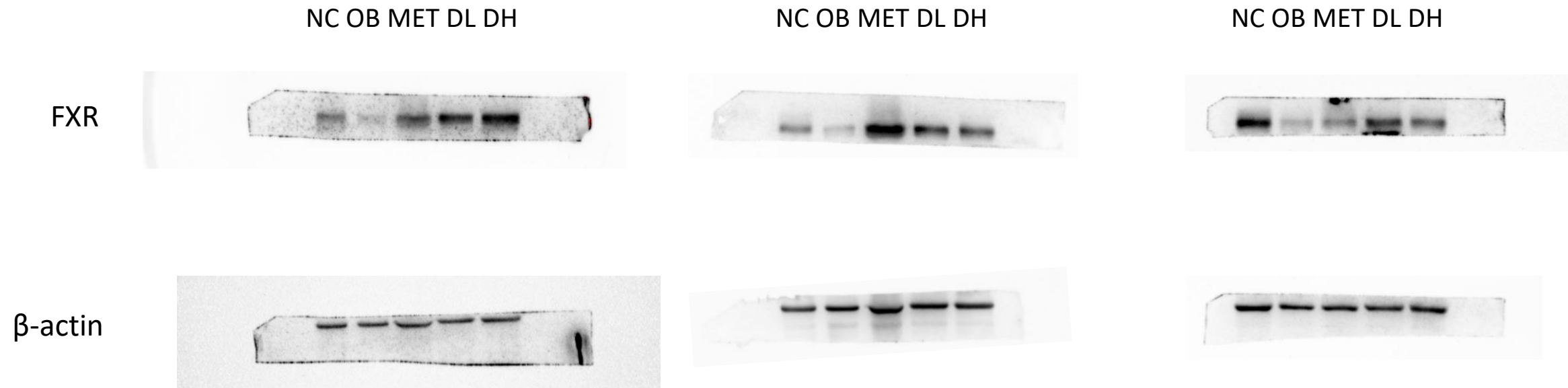
Index	RT	Equation	r	Weighting	LLOQ	ULOQ
TLCA-3S	0.06	$y = 7.81725e-4 x - 4.94137e-4$	0.99302	1 / x	8	2000
DLCA	0.04	$y = 0.02649 x + 0.02337$	0.99652	1 / x	2	2000
IALCA	0.04	$y = 0.00839 x + 5.82201e-4$	0.99746	1 / x	8	2000
ILCA	0.04	$y = 0.01110 x - 0.00363$	0.99708	1 / x	2	2000
LCA	0.03	$y = 0.01319 x + 0.05799$	0.99974	1 / x	8	2000
23-DCA	0.05	$y = 0.00724 x + 0.00240$	0.99785	1 / x	8	2000
7-KLCA	0.04	$y = 0.00425 x + 0.00135$	0.99613	1 / x	8	2000
12-KLCA	0.05	$y = 0.01703 x + 0.00254$	0.99984	1 / x	8	2000
3-oxo-DCA	0.04	$y = 0.00243 x + 7.73175e-4$	0.99754	1 / x	8	2000
MDCA	0.08	$y = 0.00728 x + 0.00161$	0.99821	1 / x	8	2000
3 β -UDCA	0.06	$y = 0.00745 x + 0.00651$	0.99808	1 / x	4	2000
3 β -HDCA	0.05	$y = 0.00799 x + 0.00141$	0.9982	1 / x	8	2000
UDCA	0.06	$y = 0.00591 x + 0.00146$	0.99787	1 / x	8	2000
HDCA	0.05	$y = 0.00218 x + 0.00183$	0.99881	1 / x	4	2000

3 β -DCA	0.05	$y = 0.00702 x + 0.00199$	0.99893	1 / x	2	2000
CDCA	0.04	$y = 0.00443 x + 0.01073$	0.99687	1 / x	8	2000
DCA	0.04	$y = 0.00977 x + 0.01132$	0.99706	1 / x	4	2000
IDCA	0.05	$y = 0.01442 x + 0.00902$	0.99876	1 / x	4	2000
NCA	0.07	$y = 0.01551 x + 0.00307$	0.99849	1 / x	8	2000
DHCA	0.08	$y = 0.00636 x + 0.00240$	0.99935	1 / x	8	2000
7,12-DKLCA	0.05	$y = 0.00278 x + 0.00317$	0.99855	1 / x	8	2000
6,7-DKLCA	0.04	$y = 0.00645 x + 0.00446$	0.9984	1 / x	8	2000
7-KDCA	0.08	$y = 0.00296 x + 4.61388e-5$	0.99906	1 / x	8	2000
12-oxo-CDCA	0.08	$y = 0.00281 x - 5.56459e-4$	0.9992	1 / x	8	2000
3-oxo-CA	0.08	$y = 0.01443 x + 0.00722$	0.99834	1 / x	8	2000
UCA	0.06	$y = 0.01345 x + 0.00110$	0.99947	1 / x	4	2000
ω -MCA	0.08	$y = 0.00607 x + 0.00140$	0.99862	1 / x	8	2000
3 β -CA	0.07	$y = 0.01633 x + 0.00172$	0.99935	1 / x	4	2000
α -MCA	0.06	$y = 0.00371 x - 0.00132$	0.99579	1 / x	8	2000
β -MCA	0.07	$y = 0.00518 x + 9.52256e-4$	0.99987	1 / x	4	2000
HCA	0.08	$y = 0.00409 x + 8.52121e-4$	0.99937	1 / x	8	2000
CA	0.08	$y = 0.03558 x + 0.00990$	0.99808	1 / x	4	2000
GLCA	0.05	$y = 0.00988 x + 0.00505$	0.99608	1 / x	4	2000
GUDCA	0.07	$y = 0.01813 x + 1.17005e-4$	0.99719	1 / x	8	2000
GCDCA	0.09	$y = 0.01100 x + 0.00356$	0.9991	1 / x	8	2000
GDCA	0.1	$y = 0.00828 x - 1.43275e-5$	0.99427	1 / x	8	2000
LCA-3S	0.05	$y = 0.00594 x - 7.35753e-7$	0.99952	1 / x	4	2000
GDHCA	0.04	$y = 0.00389 x + 9.41999e-4$	0.99951	1 / x	8	2000

GHCA	0.06	$y = 0.04995 x + 0.01152$	0.99916	1 / x	8	2000
GCA	0.06	$y = 0.10348 x + 0.01540$	0.99926	1 / x	8	2000
TLCA	0.05	$y = 0.20202 x + 0.04953$	0.99886	1 / x	4	2000
TUDCA	0.11	$y = 0.02080 x + 3.92192e-6$	0.99925	1 / x	4	2000
TCDCa	0.06	$y = 0.00733 x - 5.13483e-4$	0.99951	1 / x	8	2000
TDCA	0.08	$y = 0.00865 x - 0.00301$	0.99968	1 / x	4	2000
TDHCA	0.05	$y = 0.00806 x + 0.01300$	0.99433	1 / x	8	2000
GLCA-3S	0.07	$y = 0.03142 x + 4.62714e-4$	0.99548	1 / x	8	2000
Tβ-MCA	0.05	$y = 0.02001 x + 0.01789$	0.9955	1 / x	8	2000
THCA	0.05	$y = 0.01561 x + 0.00108$	0.99951	1 / x	8	2000
TCA	0.05	$y = 0.01071 x + 0.00354$	0.99959	1 / x	8	2000
CDCA-3Gln	0.07	$y = 0.02372 x + 0.00648$	0.9992	1 / x	20	2000

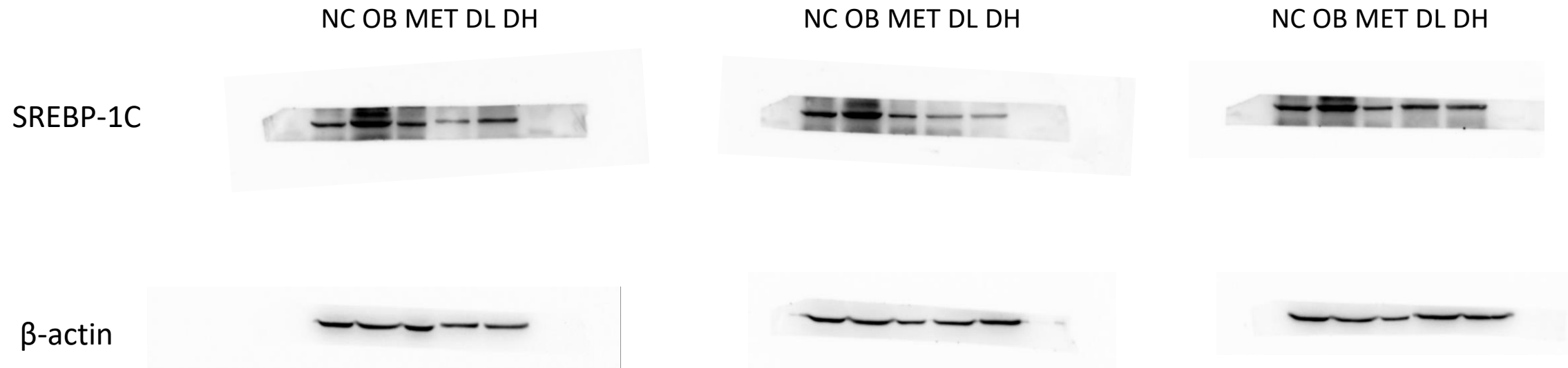
Supplementary Figures

Supplementary Figure 1. The immunoblot was performed using FXR; β -actin was used as an internal reference.



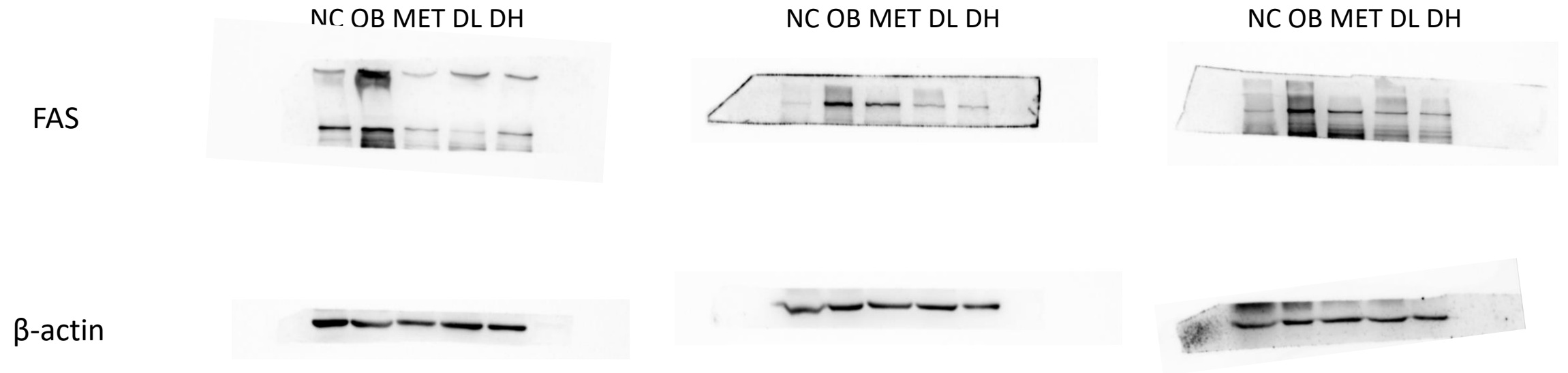
Supplementary Figures

Supplementary Figure 2. The immunoblot was performed using SREBP-1C; β -actin was used as an internal reference.



Supplementary Figures

Supplementary Figure 3. The immunoblot was performed using FAS; β -actin was used as an internal reference.



Supplementary Figures

Supplementary Figure 4. The immunoblot was performed using ACC and P-ACC; β -actin was used as an internal reference.

