

## Identification and validation of common molecular targets of hydroxytyrosol.

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### **Online Supplementary Materials**

**Supplementary Table S1.** Brain microarray analysis.

**Supplementary Table S2.** Liver microarray analysis (.xls file).

**Supplementary Table S3.** Common genes to at least three samples from transcriptomic analysis.

**Supplementary Table S4.** Liver small RNA-seq analysis.

**Supplementary Figure S1.** Venn diagram of commonly modulated miRNAs in liver and intestine mice samples.

**Supplementary Table S1.** Brain microarray analysis.

TargetID	Statistic	p.value	Adj.p.value	FC
IGSF1	6.471964006	0.00000013	0.001180823	-0.468431
PMCH	5.454279886	0.00000322	0.019430653	-1.149446
BCL11A	-4.9483681	0.0000157	0.047408682	0.3975312
CART	5.053050611	0.0000113	0.047408682	-0.6808666
ITM2A	4.960939163	0.0000151	0.047408682	-0.5870824
SGPP2	4.731141444	0.0000308	0.0797418	-0.6729612
UNC13C	4.646174606	0.0000401	0.090691643	-0.5761778
GABBR1	4.414469925	0.0000815	0.147559153	-0.447643
MBNL1	4.426161517	0.0000787	0.147559153	-0.5393822
CENTG1	-4.290276722	0.000119	0.179265576	0.3999754
SLC6A3	4.309842883	0.000112	0.179265576	-0.8625256
RIT2	4.17896787	0.000166	0.231428272	-0.4113994
PSD2	4.034608871	0.000256	0.330779109	-0.4694362
ZFP521	3.909282884	0.000371	0.447240396	-0.4686466
D430041B17RIK	-3.820743065	0.000481	0.507806457	0.4712444
EN2	3.803678814	0.000505	0.507806457	-1.05219
NPAS4	-3.814198411	0.00049	0.507806457	0.5234156
CC2D1B	-3.751876575	0.000587	0.54143725	0.4873052
DPP10	3.712469599	0.000658	0.54143725	-0.3032878
SLC6A4	3.721793974	0.000641	0.54143725	-0.4738458
SPRY3	3.714822536	0.000654	0.54143725	-0.530368
C1QL2	-3.671618932	0.00074	0.544550466	0.4955068
PRR7	-3.670143082	0.000744	0.544550466	0.4329098
SCG2	3.666158186	0.000752	0.544550466	-0.4337376
STMN1	-3.628626292	0.000838	0.583201443	0.4153284
LOC100045304	3.580444412	0.000962	0.644555723	-0.4968106
SYNGR3	3.54790857	0.001054931	0.681861958	-0.3123828
AMN	-3.525300015	0.001124852	0.692121011	0.4600406
MATN4	-3.518331046	0.001147289	0.692121011	0.3905038
BAI2	-3.500610272	0.001206294	0.704241975	0.3631512
4932409I22RIK	-3.471935216	0.001307991	0.717334127	0.3331096
TRIM9	-3.479446956	0.001280582	0.717334127	0.2865792
ALKBH3	-3.448242972	0.001398174	0.738652707	0.3977362
B230206H07RIK	-3.440606273	0.001428492	0.738652707	0.2400516
ZIC1	3.409945246	0.001556678	0.782576438	-0.5859722
CORT	-3.386754756	0.00166087	0.812389784	0.3776366
AW551984	3.34314846	0.001875112	0.893046899	-0.2319814
DBPHT2	-3.316907719	0.002016496	0.902876455	0.3821266
RAP1GAP	3.311757117	0.002045416	0.902876455	-0.3618892
RND2	3.316289867	0.002019944	0.902876455	-0.465527
CAMKV	-3.287429206	0.002187443	0.920659167	0.4111936
ELP2	-3.293719104	0.002149847	0.920659167	0.286325
KCNA2	3.266904302	0.002314529	0.952008037	-0.509

ACTL6B	-3.257356941	0.002376012	0.955579286	0.2607052
DCTN1	3.225273126	0.002594209	0.998936223	-0.4902258
ISLR2	-3.22950054	0.002564407	0.998936223	0.5912396
0610006I08RIK	0.867652621	0.391049771	0.999967467	-0.0782234
0610007C21RIK	-0.218448787	0.828252472	0.999967467	0.0251
0610007P08RIK	0.481257562	0.633102777	0.999967467	-0.048138
0610007P14RIK	0.666112485	0.509377026	0.999967467	-0.1503534
0610007P22RIK	-1.565669127	0.125745482	0.999967467	0.2979338
0610008C08RIK	-0.098536498	0.922026044	0.999967467	0.0228482
0610009B22RIK	-0.116657561	0.907747925	0.999967467	0.0233458
0610009D07RIK	-0.372442239	0.711639991	0.999967467	0.0436138
0610009O20RIK	-1.790833698	0.081316429	0.999967467	0.2061094
0610010D20RIK	0.160182689	0.873588581	0.999967467	-0.0195998
0610010E21RIK	-0.7580811	0.453094647	0.999967467	0.2053462
0610010K06RIK	0.528617736	0.600155417	0.999967467	-0.0993636
0610010K14RIK	0.148017539	0.883114283	0.999967467	-0.0143532
0610011L14RIK	-0.50777299	0.614557516	0.999967467	0.1015254
0610012A05RIK	0.006740375	0.994657384	0.999967467	-0.0007734
0610012D14RIK	-0.581969832	0.564035883	0.999967467	0.0986204
0610012G03RIK	-0.768717859	0.446828789	0.999967467	0.109689
0610012H03RIK	0.133033781	0.8948711	0.999967467	-0.0269432
0610013E23RIK	-0.032158578	0.974514493	0.999967467	0.0061446
0610025P10RIK	-0.816287692	0.41944105	0.999967467	0.1235872
0610031J06RIK	0.288039353	0.774887268	0.999967467	-0.0333254
0610037D15RIK	-0.09662239	0.923535837	0.999967467	0.0232154
0610037L13RIK	-0.203393989	0.839916122	0.999967467	0.0425256
0610037P05RIK	-0.003070565	0.997566166	0.999967467	0.0004462
0610038F07RIK	0.178572414	0.8592254	0.999967467	-0.03631
0610040J01RIK	0.230532936	0.818918599	0.999967467	-0.0470454
0710008K08RIK	-0.386439974	0.701333773	0.999967467	0.0444732
0910001A06RIK	1.382737083	0.174845758	0.999967467	-0.1970844
0910001L09RIK	-0.477019888	0.636089447	0.999967467	0.0558944
1100001E04RIK	0.616492668	0.541258102	0.999967467	-0.042705
1100001G20RIK	-0.0307101	0.975662026	0.999967467	0.0074136
1100001H23RIK	-0.072120652	0.942885467	0.999967467	0.0092792
1100001I19RIK	-0.081404006	0.935549398	0.999967467	0.01146
1110001A07RIK	0.375137044	0.70965153	0.999967467	-0.0391424
1110001J03RIK	-1.584211289	0.121462448	0.999967467	0.1998534
1110002B05RIK	-0.092359758	0.926899102	0.999967467	0.0262596
1110002H13RIK	0.117431198	0.907139009	0.999967467	-0.0081484
1110002N22RIK	0.248123192	0.805379695	0.999967467	-0.06304
1110003E01RIK	0.275429316	0.784483801	0.999967467	-0.0249848
1110004E09RIK	-0.121262487	0.90412431	0.999967467	0.0192828
1110004F10RIK	-0.329970538	0.74324072	0.999967467	0.0410788
1110005A03RIK	0.137794524	0.891132908	0.999967467	-0.0198294
1110005A23RIK	-0.235465826	0.815115979	0.999967467	0.0199132

1110006G06RIK	-0.204695004	0.838906681	0.999967467	0.0591614
1110007A13RIK	1.000804933	0.323273621	0.999967467	-0.1011118
1110007C09RIK	-0.140660812	0.888883472	0.999967467	0.0151018
1110007F05RIK	0.054063643	0.957168679	0.999967467	-0.0058992
1110007H17RIK	-0.413887825	0.681291127	0.999967467	0.0300066
1110007L15RIK	-1.434202684	0.159721251	0.999967467	0.1433164
1110007M04RIK	0.427893625	0.671152315	0.999967467	-0.0534722
1110008F13RIK	0.970758217	0.337828697	0.999967467	-0.249892
1110008J03RIK	-0.021922969	0.982624516	0.999967467	0.0022486
1110008P14RIK	-0.960217076	0.343037216	0.999967467	0.1755232
1110012D08RIK	0.456415382	0.650698407	0.999967467	-0.0702794

**Supplementary Table S3.** Common genes to at least three samples from transcriptomic analysis.

**Common genes to four studies**

**Common genes to brain (supplementary data S-1), adipose tissue (Giordano, 2014), small intestine (Tomé-Carneiro et al., 2016) and breast tissue (Granados-Principal et al., 2011)**

Abi3bp Csgalnact1 Epas1 Gde1 Med18 Olfm12b Pfn2 Por Sdc2 Slc40a1 Top1 Tra2a Trit1 Zmat1  
Coq9 Cyp11b1 Fbxo27 Hnrnpa2b1 Ncstn Pcmt1

**Common genes to liver (supplementary data S-2), adipose tissue (Giordano, 2014), small intestine (Tomé-Carneiro et al., 2016) and breast tissue (Granados-Principal et al., 2011)**

Aldh6a1 Clqtmf2 C6 Creld2 Crem Cxcl1 Igfbp7 Lum Msi2 Scara5 Slc19a1

**Common genes to liver (supplementary data S-2), brain (supplementary data S-1), small intestine (Tomé-Carneiro et al., 2016) and breast tissue (Granados-Principal et al., 2011)**

Adam22 Cirbp Foxj2 Kcnb1 Kcnt1 Lpin2 Ncald Rgs8 Sema6a Snx16 Tia1

**Common genes to liver (supplementary data S-2), brain (supplementary data S-1), adipose tissue (Giordano, 2014) and breast tissue (Granados-Principal et al., 2011)**

Aes Bnip2 Daxx Gm2a Irak1 Marcks Nfasc Pwp2 Secisbp2 Tcf7l2 Thap3 Tpp2 Vdac2 Wdr24  
Ankrd10 Ccdc32 Dnajb9 Gmpr2 Klhl12 Mast2 Pabpn1 Qrt1 Sfxn5 Terf2 Tjp2 Tpr Vps33a Xylt2  
Ankzf1 Chka Dus11 Grb10 Klhl22 Med7 Ppp1cb Rpl39 Stx6 Tfdp1 Tnip2 Usp10 Vps41 Ythdf1  
Atp5o Clk1 Foxred1 Imp4 Lrrfip1 Metap1 Ptges3 Rpp25 Tbc1d2b

**Common genes to liver (supplementary data S-2), brain (supplementary data S-1), adipose tissue (Giordano, 2014) and small intestine (Tomé-Carneiro et al., 2016)**

Accs Anks6 Ccl25 Fbf1 Hexim2 Hsp90b1 Plscr2 Polk Reg3a Reg3b Reg3g Rngtt Xrcc2 Zfp91  
Acy1 Atp6v0a1 Cxxc4 Gpr153

**Common genes to three studies**

**Common genes to Brain (supplementary data S-1), liver (Supplementary data S-2) and adipose tissue (Giordano, 2014).**

Aaas	Ap2m1	Cct8	Ctnnb1	Emp2	Gemin7	Kbtbd2	Mppe1	Nipa1	Psmc4	Rfwd3	Slc7a7	Tal1	Vps36
Abcb6	Arhgef19	Cdk2ap2	Cul1	Ercc5	Gfod1	Kctd3	Mrpl18	Nup107	Rab23	Rgs10	Smpd4	Tesk1	Vps39
Abcd4	Arpc5l	Cept1	Cul5	Exosc8	Gm21992	Lgmn	Mrpl4	Oplah	Rab34	Ric3	Smug1	Tfb2m	Vt1a
Abhd5	Atg2a	Cggbp1	Dcp1b	Fadd	Gosr1	Lig1	Mrpl40	Ostm1	Rab8b	Riok1	Smyd2	Thumpd3	Wipf1
Abtb1	Atp5e	Cldn15	Dgka	Fbxl14	Gtdc1	Ln timer	Mrpl48	Ovol2	Rae1	Rnf121	Snx6	Timm17a	Xpc
Acad9	Bmpr1a	Clec4e	Dlst	Fbxo25	Hcfc1	Lrig1	Mrpl52	Pdcd2l	Rassf8	Rnf41	Spag17	Tmem110	Yipf4
Adcy9	C1galt1c1	Clic4	Dnajc16	Fbxo9	Hcst	Lsm12	Mrpl53	Pdxdc1	Rbbp7	Rpa3	Spg7	Tmem115	Ywhae
Adora1	Cab39l	Cmtm6	Dock4	Fem1b	Icmt	Lyrn2	Mtmr12	Pgls	Rbbp9	Rpe	Spry4	Tmem33	Zbtb46
Agk	Caenb3	Cnksr3	Ears2	Fnbp1	Id4	Meer	Myo7a	Pik3cd	Rbl1	Rps3a1	Srfbp1	Traf3	Zcchc14
Ak3	Ccdc115	Coq2	Ednra	Fndc3b	Ier3ip1	Med30	Ncoa6	Plekhf1	Rbm15	Rrn3	Srp14	Tram1	Zfand2b
Alcam	Ccdc117	Cox6b1	Efnb2	Frs2	Inpp5f	Mkks	Ndr g3	Pnkp	Rbm4	Scyl1	Ssbp2	Trim32	Zfp57
Alg14	Ccdc124	Crbn	Egln1	Fzr1	Iqsec3	Mkln1	Ndufb10	Pnpla2	Reg3d	Sh3bgrl	St3gal6	Trove2	Zfp64
Als2	Ccdc43	Cryl1	Eif3k	Galnt1	Itp2	Mlycd	Ndufc2	Polr2g	Ret	Slc15a4	Stat1	Ubap1	Znhit2
Amigo1	Ccdc90b	Cstf1	Elov1	Gcdh	Josd1	Mpdu1	Nfat5	Psmc4	Rev3l	Slc25a26	Steap2	Unc13b	Zyx
Anapc7	Ccdc94												

**Common genes to Liver (Supplementary data S-2), Brain (supplementary data S-1), and small intestine (Tomé-Carneiro et al., 2016)**

Ankrd13b	Caenb3	Creg2	Dync1i1	Gm4559	Igfbp1	Mark1	Neurod2	Pes1	Rhbdf1	Slc25a16	Socs5	Spp1	Uchl3
Armc9	Cadm3	Ctdspl2	Epha4	Ifna12	Kcnu1	Mas1	Npas4	Phactr1	Shisa2	Slc25a33	Sod1	Sult4a1	Unc5c
Btdb1	Cadps	Depdc5	Epha5	Ifna7	Krt31	Megf10	Nup160	Rasl10b	Slc16a7	Slc33a1	Spon1	Ube4a	Wscd1
C5ar1	Chrn timer	Dock3	Fgfr3	Ift80	Krtap5-5	Mtus1	Pax3	Rbmy					

**Common genes to liver (Supplementary data S-2), brain (supplementary data S-1), and breast tissue (Granados-Principal et al., 2011)**

Acbd3	Atp5s	Ccdc84	Cnga4	Dnajb6	Grik4	Inpp5e	Lpp	Myo1d	Pigp	Rab24	Scap	Tmem39a	Uso1
Adnp	Bcap31	Cdkn2aip	Cnot6	Drp2	Hapln1	Iqce	Lrba	Neto1	Ppp1r9b	Rab3d	Sez6l2	Tnnc1	Wdr54
Ammecr11	Bckdha	Chst2	Cnot7	Fgf7	Hbegf	Jsrp1	Mbd5	Nfic	Prkrip1	Rabggta	Slc25a28	Trhde	Ythdf2
Asb5	Btbd11	Chuk	Crebl2	Galnt2	Hdac5	Keap1	Med13	Nosip	Prr3	Rpap1	Stk4	Txlna	Zufsp
Atp2a2	Capn3	Ciapin1	Dgcr8	Gcc2	Ilkap	L3mbtl2	Myo18a	Pde6b	Qrich1	Rrp1b	Tacc3	Urod	

**Common genes to liver (Supplementary data S-2), adipose tissue (Giordano, 2014), and small intestine (Tomé-Carneiro et al., 2016)**

Adrb2	Apaf1	Bmpr1b	Cd53	Cyb5r1	Dock9	Gp1bb	Ltb	Megf6	P2ry10	Pmm1	Rabgap11	Thap4	Vcl
Aldh1a1	Asb11	Cat	Csad	Cyba	Esd	Gtpbp3	Mapk4	Mknk2	Pdia6	Pqbp1	Sell	Tmem45a	Wipi1
Aldh1a7	Bcl7a	Cblb	Cxcl9	Dapk1	Faim2	Lhx3	Mccc1	Notch1	Pibf1	Ptpn2	Soat1	Toe1	

**Common genes to liver (Supplementary data S-2), adipose tissue (Giordano, 2014), and breast tissue (Granados-Principal et al., 2011)**

Abcc5	Aox1	Cstf2	Donson	Fkbp9	Klf5	Ncor1	Ogfod1	Per3	Rpl3l	Slc38a10	Srp72	Tnrc6a	Ywhab
Acadv1	Aqp2	Cxcl3	Ebi3	Gpam	Kti12	Nicn1	Osbpl2	Pigt	Rsl1d1	Slc9a3r2	Stt3a	Top3a	Zc3h15
Acsl4	Asb6	Ddx46	Eprs	Hgs	Lipe	Nif3l1	Pcolce	Ppp1r12c	Sec24c	Sltm	Tbc1d9b	Tpst1	Zc3h7a
Agtrap	B4galt1	Ddx50	F11r	Ifrd2	Mrps24	Nucb2	Pdcd11	Ptdss2	Sgta	Snrpd1	Tcp11	Trim25	
Akap10	Ccdc71	Dhx36	Fgfr1op2	Igf2bp2	Mrps6	Nup62	Pdcd6ip	Pus1	Slc25a44	Snta1	Tgfb1	Ube2q1	
Ampd2	Cspp1	Dnase2b	Fkbp10	Ildr1	Naga	Nupl2	Pdgfra	Rpap3	Slc35a2	Sorcs2	Thbd	Ubiad1	

**Common genes to liver (Supplementary data S-2), small intestine (Tomé-Carneiro et al., 2016), and breast tissue (Granados-Principal et al., 2011)**

Ablim1	Brd1	Cdkn1b	Csf1	Fgf21	Il22ra2	Mcm3ap	Nrap	Paxip1	Ptger4	Ryr1	Tmem91	Trex2	Usp13
Ankrd2	Cacybp	Cep97	Eaf2	Grin2a	Lifr	Mex3a	Obscn	Plagl2	Rbpms	Stk38l	Tnnt3	Trim54	Usp8
Aspn	Cdkl2	Cr2	Eef1a2	Hrc	Mamdc4	Myl1	Osbpl1a	Ppmlj	Rgs6	Synpo2			



**Common genes to brain (supplementary data S-1), adipose tissue (Giordano, 2014), and small intestine (Tomé-Carneiro et al., 2016)**

Acox2	Asphd1	Dab2ip	Foxp1	Hsd3b2	Ikzf2	Mapkap1	Npy	Pla2g7	Ptgds	Rprm	Sfi1	Smarca1	Tmem5
Adamts4	Bbs2	E330021D16Rik	Fzd7	Hsd3b3	Jakmip1	Mcoln1	Nsdhl	Plekho2	Ptprd	Rusc2	Sh3gl2	Tex9	Tnfrsf11b
Akap7	Bcat1	Efna5	Gramd1a	Hsd3b4	Kcnab2	Mgst2	Nudt5	Ppp2r1b	Retsat	Ryr3	Shisa4	Tmco3	Wfdc2
Ankmy2	Bmp1	Epdr1	Grip1	Hsd3b6	Kif1b	Mras	Olfm1	Ppt1	Rnaset2a	Samhd1	Smad5	Tmem175	Zdhhc17
Aqr	Crot	Fbxo33	Gtf3c2	Hspa8	Laptm5	Ncapd3	Pex6						
Armcx3	Crym	Flcn	Hbp1	Ikbkg	Mapk6	Ndufb11							

**Common genes to brain (supplementary data S-1), adipose tissue (Giordano, 2014), and breast tissue (Granados-Principal et al., 2011)**

Acadm	Atp13a1	Ccnd3	Ddx41	Fahd2a	Gpatch4	Kcnab1	Mrps31	Paox	Plekhj1	Rabggtb	Senp3	Tceal5	Ub15
Acp2	Atp6ap2	Cdk9	Ddx5	Fancb	Gpd1	Kcnip3	Mtap	Parp6	Plxna2	Ralbp1	Slc35b1	Tcirg1	Ub17
Adam15	Atp6v1a	Chmp2a	Ddx6	Fcgrt	Hexa	Lig4	Mxd4	Pbrm1	Pms2	Rap2b	Slc6a17	Tgfbr2	Ulk1
Adss	Bbs9	Ciz1	Dgat2	Ftsj3	Hook2	Lrrc8a	Mybbp1a	Pdcd4	Pofut2	Rit1	Slit3	Tjap1	Unc5a
Ahnak2	Bcas3	Clec11a	Dguok	Fundc1	Hspa2	Lysmd2	Nip7	Per2	Ppm1b	Rnf123	Smad2	Tle1	Usp19
Akap8	Bmp4	Clk4	Dlk2	Fxyd1	Htatsf1	Man2b1	Nit1	Pgk1	Ppm1k	Rnf168	Snape4	Tmem106c	Usp47
Alg12	Bms1	Ctdspl	Dnaja2	G6pc3	Igsf9	Manba	Nol3	Phf2011	Ppp2r1a	Rps13	Sort1	Tmub1	Uvrag
Arfgap1	Bscl2	Cxcl12	Dvl1	Gas7	Igtp	Manbal	Nol9	Pick1	Prf1	Rrp1	Spag9	Tsc22d1	Vps18
Arhgap12	Camk2d	Dag1	Eif4g1	Gba	Ilf2	March2	Nr2c1	Pik3c3	Prmt5	Rsrc2	Sparc	Tsen2	Wbp4
Arl2bp	Capns1	Dapk2	Elac2	Gkap1	Ilf3	Mat2a	Numb	Pitpnm2	Ptptra	S100a1	Spink8	Tsr1	Wdr46
Arl6ip5	Capzb	Dapk3	Emd	Gna12	Irf2	Mcl1	Ogt	Pkmyt1	Pxdn	Sart3	Stmn2	Uba2	Yeats4
Arsb	Casc3	Dazap1	Entpd5	Gnb5	Irx2	Mgat1	Oxr1	Plekhb2	Qpct	Scand1	Supv311	Ubac2	Zfand3
Atg7	Ccnc	Dcun1d5	Ext2	Gns	Itgb1bp1	Mmp17	Panx1	Plekhg3	R3hdm2	Scp2	Tbc1d19	Ube2q2	Zfhx3

**Common genes to brain (supplementary data S-1), small intestine (Tomé-Carneiro et al., 2016), and breast tissue (Granados-Principal et al., 2011)**

Aptx	C1qtnf7	Cntnap2	Dusp11	Gpr176	Klf11	Plcg1	Sec14l2	Sox15	Thoc1	Trim9	Tulp3	Wasf3	Zfp37
Arl10	Cacna2d1	Ctrl	Echdc1	Hook3	Lhx9	Rbbp6	Slc46a3	Spink4	Timm9				
Atp8a1	Chordc1	Dclk2	Gda	Igsf1	Pdpk1	Rora	Sorl1	Sycp3	Tmem201				

**Common genes to adipose tissue (Giordano, 2014), small intestine (Tomé-Carneiro et al., 2016), and breast tissue (Granados-Principal et al., 2011).**

Ankrd27	Camk2b	Crygn	Egr1	Gstm7	Kctd14	Nfe2	Nudt15	Palmd	Plp1	Rhoj	Sh3kbp1	Star	Tfpi
Apbb2	Chchd7	Ddx20	Fryl	Hp	Lama2	Ntsr1	Orm1	Pir	Ppid	Sec22b	Sord	Susd4	Zmynd10
Cage1	Crat	Dusp22											

**Supplementary Table S4.** Liver small RNA-seq analysis.

<b>miRNA</b>	<b>logFC</b>	<b>logCPM</b>	<b>PValue</b>	<b>FDR</b>
mmu-miR-802-5p	0,819591129	6,568041596	0.000178255	0.026280412
mmu-miR-423-3p	0,508351217	7,055717952	0.000212797	0.026280412
mmu-miR-30a-5p	0,523813039	15,6957709	0.000455528	0.030010623
mmu-miR-146b-5p	0,495017075	6,465567649	0.000486002	0.030010623
mmu-miR-128-3p	0,4939714	5,77610583	0.002592046	0.128047081
mmu-miR-30e-5p	0,365266513	11,74887639	0.003473262	0.142982623
mmu-miR-542-3p	0,403821689	7,837345495	0.0050216	0.177190731
mmu-miR-30d-5p	0,336333907	13,15870412	0.007496593	0.231457304
mmu-miR-101a-3p	0,285015553	14,00999923	0.008936202	0.245249111
mmu-miR-802-3p	0,613690553	3,713288128	0.013806214	0.341013474
mmu-miR-34a-5p	0,516233952	4,766646949	0.016318008	0.366413449
mmu-miR-98-5p	0,313900957	8,177808463	0.021462156	0.441762707
mmu-miR-1249-3p	-1,149595952	1,578827362	0.024571519	0.466858862
mmu-miR-22-5p	0,302844763	7,39071858	0.026743968	0.471840008
mmu-miR-744-5p	0,313531265	6,285873418	0.03294848	0.482044237
mmu-miR-322-5p	0,475290277	4,121024104	0.035501889	0.482044237
mmu-miR-148a-3p	0,378139578	18,18543548	0.036566689	0.482044237
mmu-let-7e-5p	0,304224544	8,66691578	0.037033004	0.482044237
mmu-miR-149-5p	0,471697121	5,366387129	0.037080326	0.482044237
mmu-miR-674-3p	0,322661946	5,803839106	0.041481398	0.507057063
mmu-miR-339-5p	0,346547438	6,001383825	0.043110115	0.507057063
mmu-miR-140-3p	0,239008426	7,88065486	0.045461174	0.510404994
mmu-miR-1198-5p	0,325236162	5,266472392	0.05541572	0.585201765
mmu-miR-30e-3p	0,214427803	8,976180719	0.05686171	0.585201765
mmu-miR-31-5p	0,277853081	6,509121103	0.061408505	0.606716029
mmu-miR-32-3p	0,666114542	2,552158567	0.081527199	0.725619886
mmu-miR-30d-3p	0,285897484	5,026361572	0.090518246	0.725619886
mmu-miR-122-3p	0,260266776	8,351519312	0.091612177	0.725619886
mmu-miR-532-3p	0,555527184	2,726625928	0.095142108	0.725619886
mmu-miR-1968-5p	0,608365129	2,614258166	0.095957098	0.725619886
mmu-miR-22-3p	0,201092963	12,16521508	0.096024375	0.725619886
mmu-miR-139-5p	0,230739537	6,612830123	0.096456597	0.725619886
mmu-let-7e-3p	0,528756886	3,368390469	0.096945167	0.725619886
mmu-miR-106b-3p	0,28152474	5,40804422	0.102950528	0.745634169
mmu-miR-381-3p	0,404440716	3,69771159	0.114902444	0.745634169
mmu-miR-421-3p	0,509541847	2,49940670	0.121707527	0.745634169
mmu-miR-30c-5p	0,177063846	12,41751854	0.123876588	0.745634169
mmu-let-7d-5p	0,170140119	10,40770669	0.124162541	0.745634169
mmu-miR-146a-5p	0,204325833	11,60162545	0.125456221	0.745634169
mmu-miR-1843b-5p	0,231790058	6,545786921	0.127985893	0.745634169
mmu-miR-1839-3p	0,424595406	3,308001525	0.13029771	0.745634169
mmu-miR-872-3p	0,451399871	2,778270936	0.131902131	0.745634169
mmu-miR-320-3p	0,24724428	5,30978612	0.132630125	0.745634169

mmu-let-7d-3p	0,221915502	6,853304467	0.135102495	0.745634169
mmu-miR-152-5p	0,255931039	5,340707208	0.13603791	0.745634169
mmu-miR-335-5p	0,231610285	7,201396138	0.139163734	0.745634169
mmu-miR-300-3p	0,535363732	2,45865421	0.142744858	0.745634169
mmu-miR-143-3p	0,193222324	13,73531693	0.145533307	0.745634169
mmu-miR-465c-5p	0,611631086	2,199685477	0.147919329	0.745634169
mmu-miR-107-3p	0,178417357	8,783059376	0.158646108	0.783711774
mmu-miR-200b-3p	0,205819662	8,785087063	0.174070235	0.825701242
mmu-miR-871-3p	0,586437614	2,483563456	0.176111986	0.825701242
mmu-miR-378a-5p	0,223874829	5,431664362	0.17717476	0.825701242
mmu-miR-16-1-3p	0,252285597	4,561050365	0.186904112	0.840837511
mmu-miR-881-3p	0,294073698	5,390738044	0.187231025	0.840837511
mmu-miR-16-5p	0,148500092	10,02434498	0.19770061	0.865602759
mmu-miR-676-5p	0,329832142	3,997137709	0.199754483	0.865602759
mmu-miR-425-5p	0,190129623	5,313959686	0.212316496	0.89283577
mmu-let-7f-5p	0,159838128	15,47653417	0.213268463	0.89283577
mmu-miR-339-3p	0,384623546	3,423125115	0.225910008	0.924978906
mmu-let-7a-5p	0,121728093	13,52507017	0.230272964	0.924978906
mmu-miR-200a-5p	0,284214918	3,712333719	0.232916733	0.924978906
mmu-miR-10a-5p	0,120308486	13,2114202	0.238972417	0.924978906
mmu-miR-145a-3p	0,155435311	7,936030728	0.239670648	0.924978906
mmu-miR-24-2-5p	0,166506822	7,13183817	0.251580556	0.933417445
mmu-miR-338-3p	0,47332424	2,445379619	0.265528923	0.933417445
mmu-miR-127-3p	0,19244216	5,031808142	0.266392711	0.933417445
mmu-miR-379-5p	0,225397299	4,552768351	0.268053767	0.933417445
mmu-miR-126a-3p	0,110216901	14,49636688	0.268407382	0.933417445
mmu-miR-744-3p	0,610757756	1,886047444	0.268574922	0.933417445
mmu-miR-183-5p	0,234904109	6,894335182	0.269836793	0.933417445
mmu-miR-1964-3p	0,420071343	3,034826041	0.272090075	0.933417445
mmu-miR-221-5p	0,184467985	6,405537236	0.278736995	0.933417445
mmu-miR-212-5p	0,388754437	2,257428323	0.284659425	0.933417445
mmu-miR-322-3p	0,137225364	6,818117959	0.288120925	0.933417445
mmu-miR-215-5p	0,410378507	4,966166793	0.291865569	0.933417445
mmu-miR-1981-5p	0,245580036	4,438105326	0.296335046	0.933417445
mmu-miR-27a-5p	0,250336097	4,193635196	0.301890271	0.933417445
mmu-miR-532-5p	0,123528631	8,573948186	0.303110417	0.933417445
mmu-miR-34c-5p	0,319018302	3,846147843	0.309572866	0.933417445
mmu-miR-342-3p	0,221178231	4,714127878	0.309757816	0.933417445
mmu-miR-199b-5p	0,242008911	4,771512443	0.315772879	0.933417445
mmu-miR-30a-3p	0,108390341	10,54080274	0.316680302	0.933417445
mmu-miR-186-5p	0,134334345	8,187891273	0.318966085	0.933417445
mmu-miR-26a-2-3p	0,312052678	3,744488245	0.32121653	0.933417445
mmu-miR-26a-5p	0,107414469	14,7637575	0.329687391	0.939699362
mmu-miR-20a-5p	0,118150773	9,160927557	0.332247132	0.939699362
mmu-miR-378a-3p	0,156623745	12,29073785	0.337975803	0.939699362
mmu-miR-99a-5p	0,116212887	12,3082925	0.33907386	0.939699362

mmu-miR-340-5p	0,125333346	12,32506488	0.345242988	0.939699362
mmu-miR-192-3p	0,233722354	3,309514104	0.346205028	0.939699362
mmu-miR-1948-3p	0,411987137	2,184858145	0.35064373	0.941402189
mmu-miR-223-3p	0,292246199	3,6549346	0.361259603	0.944173874
mmu-miR-192-5p	0,115761983	16,32677283	0.361508243	0.944173874
mmu-miR-221-3p	0,100307021	9,225718495	0.380147708	0.944173874
mmu-miR-182-5p	0,226657474	8,698376798	0.388586356	0.944173874
mmu-miR-19b-3p	0,108028107	9,412724935	0.393599227	0.944173874
mmu-miR-200c-3p	0,157946657	4,944499778	0.394196822	0.944173874
mmu-miR-338-5p	0,251230561	3,369092779	0.398935277	0.944173874
mmu-miR-199a-5p	0,112398137	9,329470031	0.406615422	0.944173874
mmu-let-7g-5p	0,083811894	15,31826753	0.410080689	0.944173874
mmu-miR-511-3p	0,227091064	4,501335786	0.413328362	0.944173874
mmu-miR-23a-3p	0,14204034	8,389548688	0.416435662	0.944173874
mmu-miR-30c-2-3p	0,120463102	8,469408139	0.417923735	0.944173874
mmu-miR-125b-2-3p	0,136597638	5,896964331	0.421826476	0.944173874
mmu-miR-7a-5p	0,138393673	11,29877832	0.422926291	0.944173874
mmu-miR-148b-5p	0,182608821	4,687630546	0.42362984	0.944173874
mmu-miR-503-5p	0,306298812	2,34597679	0.430846281	0.944173874
mmu-miR-374b-5p	0,11180139	8,240750175	0.431052026	0.944173874
mmu-miR-351-5p	0,121550006	5,916502883	0.434696617	0.944173874
mmu-miR-152-3p	0,093423926	11,00888116	0.442166782	0.944173874
mmu-miR-92a-3p	0,159408702	4,277974809	0.443036191	0.944173874
mmu-miR-17-5p	0,106447508	7,14477387	0.444699564	0.944173874
mmu-miR-25-3p	0,097098198	9,977753473	0.445270726	0.944173874
mmu-miR-148a-5p	0,10902271	8,442371198	0.455425695	0.944173874
mmu-miR-210-3p	0,253882771	3,125521327	0.459449428	0.944173874
mmu-miR-195a-3p	0,168784712	4,044045966	0.46050289	0.944173874
mmu-miR-148b-3p	0,086770722	10,181625690	0.462096387	0.944173874
mmu-miR-365-3p	0,116609966	6,299938637	0.462446813	0.944173874
mmu-miR-193a-3p	0,286799072	3,139224711	0.470426266	0.944173874
mmu-miR-30c-1-3p	0,204822784	4,358809622	0.472136195	0.944173874
mmu-miR-1839-5p	0,103436405	8,896396104	0.477747061	0.944173874
mmu-miR-99b-3p	0,183542268	3,733070792	0.485772078	0.944173874
mmu-miR-7a-1-3p	0,156253555	3,714479873	0.490501883	0.944173874
mmu-miR-33-5p	0,288509249	2,328951839	0.490713535	0.944173874
mmu-miR-151-5p	0,120475804	5,696042327	0.491995654	0.944173874
mmu-miR-27b-5p	0,350172724	2,115406918	0.495671052	0.944173874
mmu-miR-132-3p	0,240321874	2,978700283	0.495984007	0.944173874
mmu-miR-125b-1-3p	0,286140392	2,581713107	0.497053917	0.944173874
mmu-miR-150-5p	0,211838909	4,156236241	0.501530204	0.944173874
mmu-miR-181d-5p	0,128949192	5,163798003	0.505311912	0.944173874
mmu-miR-129-5p	0,210705162	2,648032302	0.507547064	0.944173874
mmu-miR-125a-3p	0,27993814	2,608545066	0.508401317	0.944173874
mmu-miR-144-5p	0,436890895	3,823165425	0.516117496	0.948973584
mmu-miR-140-5p	0,105543259	6,895727667	0.518669772	0.948973584

mmu-miR-30b-3p	0,110013168	5,469976638	0.523932175	0.951553288
mmu-miR-194-5p	0,061446124	13,94130771	0.533743336	0.958542088
mmu-let-7b-5p	0,066070834	11,37038082	0.552137721	0.958542088
mmu-miR-191-3p	0,20157471	2,395064988	0.554485971	0.958542088
mmu-miR-130a-3p	0,122798779	5,624907102	0.554988281	0.958542088
mmu-miR-185-5p	0,074075056	9,56114978	0.556562368	0.958542088
mmu-miR-1843a-3p	0,148761999	4,639384783	0.557860846	0.958542088
mmu-miR-18a-5p	0,242086657	1,987531623	0.558626089	0.958542088
mmu-miR-1a-3p	0,126830649	6,861925696	0.558826156	0.958542088
mmu-miR-181b-5p	0,138274413	5,506081222	0.564554975	0.961690199
mmu-miR-218-5p	0,176462277	2,970432277	0.571082861	0.966147032
mmu-miR-19a-3p	0,089766459	7,111183183	0.583343036	0.968654123
mmu-miR-21a-3p	0,130238549	3,791961803	0.587422822	0.968654123
mmu-miR-9-5p	0,324702804	2,421754558	0.588220113	0.968654123
mmu-miR-361-5p	0,104910276	5,077102099	0.589878683	0.968654123
mmu-miR-676-3p	0,187327938	4,008318254	0.596796988	0.968654123
mmu-miR-700-3p	0,291418443	2,170537117	0.600613724	0.968654123
mmu-miR-23b-3p	0,065186069	8,459443971	0.607885213	0.968654123
mmu-miR-450b-5p	0,115211851	2,818817813	0.610531592	0.968654123
mmu-let-7f-2-3p	0,278829078	2,313555887	0.610955187	0.968654123
mmu-miR-181a-2-3p	0,160417994	2,545381669	0.611890664	0.968654123
mmu-miR-434-5p	0,232115288	2,993190403	0.616881712	0.968654123
mmu-miR-10a-3p	0,100449942	6,144171692	0.619624905	0.968654123
mmu-miR-574-5p	0,225833498	3,396449206	0.626913713	0.969281661
mmu-miR-361-3p	0,059431901	7,720562657	0.62787476	0.969281661
mmu-miR-125b-5p	0,054212857	9,644694398	0.636794473	0.974778367
mmu-miR-26b-5p	0,050515856	10,81587527	0.65089146	0.974778367
mmu-miR-28a-5p	0,077184969	6,063426082	0.651670024	0.974778367
mmu-miR-143-5p	0,133098847	4,076023319	0.653538827	0.974778367
mmu-miR-29b-2-5p	0,212725465	2,09670493	0.653698166	0.974778367
mmu-miR-222-3p	0,101847256	4,589519794	0.656756278	0.974778367
mmu-miR-350-3p	0,178423132	3,471759548	0.659060677	0.974778367
mmu-miR-96-5p	0,129975811	4,933258665	0.677935696	0.980240166
mmu-miR-467a-5p	0,085229179	3,149478801	0.685460646	0.980240166
mmu-miR-365-2-5p	0,219012735	2,322441353	0.685848796	0.980240166
mmu-miR-423-5p	0,060389234	7,334412393	0.6874697	0.980240166
mmu-miR-674-5p	0,149815537	2,343735069	0.689990657	0.980240166
mmu-miR-99b-5p	0,0556976	9,407971119	0.691975014	0.980240166
mmu-miR-29a-3p	0,043852475	11,63098692	0.69688089	0.980240166
mmu-miR-741-3p	0,149640323	3,259256595	0.697228337	0.980240166
mmu-miR-652-3p	0,136563541	3,549490974	0.702234443	0.980240166
mmu-miR-106b-5p	0,096205387	5,368001468	0.70243931	0.980240166
mmu-let-7b-3p	0,060573182	4,07751381	0.707556266	0.981833694
mmu-miR-450a-5p	0,05703414	6,397055202	0.721739541	0.988898513
mmu-miR-194-2-3p	0,063830278	6,646482661	0.724117426	0.988898513
mmu-miR-362-3p	0,087502422	5,326608489	0.724658424	0.988898513

mmu-miR-145a-5p	0,046579658	9,498033268	0.740420536	0.990370996
mmu-miR-24-1-5p	0,114308702	3,296657284	0.749009451	0.990370996
mmu-miR-501-3p	0,072033182	4,197063511	0.751950519	0.990370996
mmu-miR-29b-3p	0,059814733	6,838380548	0.75532722	0.990370996
mmu-miR-465b-5p	0,206472816	2,276681725	0.759608928	0.990370996
mmu-miR-671-3p	0,057165522	4,055431666	0.766278235	0.990370996
mmu-miR-27a-3p	0,043836702	10,76299057	0.767287236	0.990370996
mmu-miR-330-5p	0,13477401	2,723352236	0.770096508	0.990370996
mmu-miR-503-3p	0,043626249	2,533957583	0.774348967	0.990370996
mmu-miR-155-5p	0,062701618	4,358671208	0.779140542	0.990370996
mmu-miR-28a-3p	0,036625725	6,465110855	0.784126664	0.990370996
mmu-miR-592-5p	0,076326334	4,627063014	0.786698178	0.990370996
mmu-miR-32-5p	0,03113582	6,703518014	0.790555936	0.990370996
mmu-miR-24-3p	0,030873155	9,959829452	0.799950488	0.990370996
mmu-let-7c-5p	0,026906373	13,76266698	0.800512965	0.990370996
mmu-miR-195a-5p	0,045008373	5,894788134	0.806534835	0.990370996
mmu-miR-214-3p	0,06027546	3,896129933	0.811738185	0.990370996
mmu-miR-21a-5p	0,026773002	16,14060002	0.812516769	0.990370996
mmu-miR-122-5p	0,022479556	17,36608025	0.81518605	0.990370996
mmu-miR-598-3p	0,056671564	4,156752594	0.815327862	0.990370996
mmu-miR-31-3p	0,109759498	2,109942746	0.817832197	0.990370996
mmu-miR-7b-5p	0,027343716	11,18891607	0.82109484	0.990370996
mmu-miR-328-3p	0,043438614	6,818939482	0.822829662	0.990370996
mmu-miR-200a-3p	0,036452909	8,617084017	0.830756203	0.990370996
mmu-miR-3105-3p	0,119950856	2,851094237	0.832599389	0.990370996
mmu-miR-191-5p	0,025215578	10,93217785	0.837752426	0.990370996
mmu-miR-137-3p	0,080912143	2,920092878	0.843764605	0.990370996
mmu-miR-15a-5p	0,067728618	4,50451075	0.853553125	0.990370996
mmu-miR-214-5p	0,008553328	3,319977654	0.854915008	0.990370996
mmu-miR-15b-5p	0,026062556	5,350424465	0.855447312	0.990370996
mmu-miR-101b-3p	0,0267991	9,673688513	0.860509559	0.990370996
mmu-miR-193a-5p	0,054367137	3,597068322	0.863442002	0.990370996
mmu-miR-181c-5p	0,063884135	2,520729019	0.864354194	0.990370996
mmu-miR-93-5p	0,022619931	8,176925704	0.873406503	0.990370996
mmu-miR-144-3p	0,189573015	2,849445964	0.873465193	0.990370996
mmu-miR-541-5p	0,053138283	3,602884505	0.876899525	0.990370996
mmu-miR-335-3p	0,033553309	6,081206154	0.878123114	0.990370996
mmu-miR-26b-3p	0,080202799	3,071530632	0.88195801	0.990370996
mmu-miR-126a-5p	0,017657264	10,44570217	0.891982953	0.990370996
mmu-miR-411-5p	0,037666373	3,445071860	0.900543537	0.990370996
mmu-miR-326-3p	0,156193165	1,958215205	0.905408062	0.990370996
mmu-miR-151-3p	0,0234361	7,609104617	0.905780862	0.990370996
mmu-miR-362-5p	0,066134258	4,121801183	0.914821977	0.990370996
mmu-miR-30b-5p	0,009667524	9,787675875	0.915679928	0.990370996
mmu-miR-27b-3p	0,01118715	13,72540745	0.916759125	0.990370996
mmu-miR-345-3p	0,036467959	3,80465909	0.918738534	0.990370996

mmu-miR-132-5p	0,119442811	2,285584863	0.921022484	0.990370996
mmu-miR-434-3p	0,086278456	2,249785857	0.921929187	0.990370996
mmu-miR-103-3p	0,012993114	10,84041205	0.929109844	0.990370996
mmu-miR-1843a-5p	0,012040747	8,437115201	0.931195673	0.990370996
mmu-miR-872-5p	0,021079191	6,982288013	0.931831163	0.990370996
mmu-miR-181a-1-3p	0,034034609	2,930596633	0.937429618	0.990370996
mmu-let-7c-1-3p	0,005765304	2,718228971	0.938246207	0.990370996
mmu-miR-429-3p	0,029430942	5,183516717	0.948037912	0.99313849
mmu-miR-340-3p	0,013199745	5,535087874	0.94890965	0.99313849
mmu-miR-100-5p	0,005605346	10,61139685	0.963245431	0.996270326
mmu-let-7f-1-3p	0,001737312	4,237961492	0.967803716	0.996270326
mmu-miR-1948-5p	0,011324941	4,380596076	0.968551111	0.996270326
mmu-miR-574-3p	0,009365739	4,469891711	0.969422385	0.996270326
mmu-let-7i-5p	0,003210632	12,57786846	0.974326298	0.996270326
mmu-miR-181a-5p	0,003451968	7,846539455	0.97610291	0.996270326
mmu-miR-125a-5p	0,002713148	8,960988712	0.992859346	1
mmu-miR-187-3p	0,006781397	4,86971879	1	1
mmu-miR-223-5p	0,07505897	2,822185531	1	1
mmu-miR-181c-3p	0,03693757	2,851552374	1	1
mmu-miR-15b-3p	0,017365015	3,21432569	1	1

**Supplementary Figure S1.** Venn diagram of commonly modulated miRNAs in liver and intestine mice samples. Male young C57BL/6 mice (n=7 per group) fed with a control or HT diet (45 mg HT/kg bw/day), for 8 weeks.

