

<b>Cluster 1</b>	<b>Comparative analysis of the gene expression in CD or HFHCD treated mice (UP indicate an increase expression in the specified group)</b>	<b>Cluster 2</b>	<b>Comparative analysis of the gene expression in CD or HFHCD treated mice (UP indicate an increase expression in the specified group)</b>	<b>Cluster 3</b>	<b>Comparative analysis of the gene expression in CD or HFHCD treated mice (UP indicate an increase expression in the specified group)</b>
RTL8B	UP HFHCD	GAL3ST2	UP HFHCD	DPP4	UP CD
GM38863	UP CD	CXCL12	UP CD	AOAH	UP CD
CSF2RB	UP CD	GM10863	UP HFHCD	TM6SF1	UP CD
THEMIS2	UP CD	AIRE	UP HFHCD	TRDN	UP CD
IFI16	UP CD	APP	UP HFHCD	CASP1	UP CD
CSF1	UP CD	MIR5121	UP HFHCD	CYBB	UP CD
SAMHD1	UP CD	UXT	UP HFHCD	G530011006 RIK	UP CD
HEG1	UP CD	5031425E22RIK	UP HFHCD	PTPRC	UP CD
NLRP1C-PS	UP CD	TRAV7-3	UP HFHCD	CTSS	UP CD
ERAP1	UP CD	4930581F22RIK	UP HFHCD	SP100	UP CD
GBP4	UP CD	C11ORF52	UP HFHCD	SLA	UP CD
IRGM	UP CD	ENO2	UP HFHCD	LPL	UP CD
APOL9A/AP OL9B	UP CD	RASSF4	UP CD	CCR5	UP CD
ACTA1	UP CD	APPL2	UP HFHCD	CMKLR1	UP CD
IFIH1	UP CD	PCDHGB7	UP HFHCD	TGFBI	UP CD
TAP2	UP CD	VEGFA	UP HFHCD	TNFRSF1B	UP CD
BATF2	UP CD	1700017J07RIK	UP HFHCD	AHNAK	UP CD
CXCL10	UP CD	2010320007RIK	UP HFHCD	USP17LA	UP HFHCD
GBP2	UP CD	GM26698	UP HFHCD	COL6A3	UP CD
GM12250	UP CD	B430319G15RIK	UP HFHCD	CLEC4A3	UP CD
IFI47	UP CD	GM26910	UP HFHCD	COL1A2	UP CD
IFIT1B	UP CD	GM19600	UP HFHCD	COL1A1	UP CD
OR2V1	UP CD	MAPK1IP1L	UP HFHCD	INPP5D	UP CD
CXCL9	UP CD	AW112010	UP CD	EPSTI1	UP CD
CA3	UP CD	ZFP57	UP HFHCD	VAV3	UP CD
CD74	UP CD	9330133O14RIK	UP HFHCD	FLI1	UP CD
PSMB8	UP CD	GM11734	UP HFHCD	STK17B	UP CD
ZBP1	UP CD	RHBDD2	UP HFHCD	CCDC80	UP CD
TRBJ1-1	UP CD	8430431K14RIK	UP HFHCD	COL5A1	UP CD
H2-T22	UP CD	RSC1A1	UP HFHCD	COL12A1	UP CD
USP18	UP CD	CAPNS2	UP HFHCD	COL3A1	UP CD
CD24A	UP CD	GM7265	UP HFHCD	FBN1	UP CD
H1-5	UP CD	RPS15A-PS6	UP HFHCD	POSTN	UP CD
LUM	UP CD	ACRBP	UP HFHCD	OSMR	UP CD
CMPK2	UP CD	CCR2	UP CD	HCLS1	UP CD
ACTN3	UP CD	ANKLE1	UP HFHCD	C3	UP CD
NAAA	UP CD	ATAT1	UP HFHCD	VCAN	UP CD

C4A/C4B	UP CD	GM10648	UP HFHCD	LYN	UP CD
TRIM25	UP CD	SNHG7	UP HFHCD	P2RY10	UP CD
RNF19B	UP CD	C130046K22RIK	UP HFHCD	COL6A1	UP CD
SNORD118	UP CD	4732419C18RIK	UP HFHCD	SERPING1	UP CD
COL4A1	UP CD	MIR-383	UP HFHCD	FABP4	UP CD
DIAPH1	UP CD	AI450353	UP HFHCD	LY86	UP CD
LAMB1	UP CD	DTX3	UP HFHCD	MS4A6A	UP CD
CEMIP2	UP CD	GM15760 (pseudo)	UP HFHCD	HP	UP CD
MRAS	UP CD	A530040E14RIK	UP CD	ADGRD1	UP CD
MYH4	UP CD	IRF7	UP CD	MS4A4A	UP CD
TRIM5	UP CD	SNORD4A	UP HFHCD	ATP2A1	UP CD
ARL4A	UP CD	9530059O14RIK	UP HFHCD	MRC1	UP CD
RGS2	UP CD	FBXL12	UP HFHCD	ANXA3	UP CD
SNORA33	UP CD	GM3902	UP HFHCD	PDGFRA	UP CD
GM6020	UP CD	PAQR6	UP HFHCD	RETNLA	UP CD
GM11821	UP CD	DQX1	UP HFHCD	COL8A1	UP CD
NR2F6	UP CD	GM14858	UP HFHCD	S100A6	UP CD
PLA2G4A	UP CD	LOC105244124	UP HFHCD	DPT	UP CD
CYPT1	UP CD	PPOX	UP HFHCD	MS4A6B	UP CD
SUMO1	UP CD	TMCO5B	UP HFHCD	DCN	UP CD
CD36	UP CD	ITGB2	UP CD	TLR7	UP CD
MEGF10	UP CD	GM40675	UP HFHCD	RNASE4	UP CD
LILRB3	UP CD	SCARNA3	UP HFHCD	TAGLN2	UP CD
MIR-467	UP HFHCD	SNORD35A	UP HFHCD	ASPN	UP CD
MIR-181	UP HFHCD	SLC25A27	UP HFHCD	GM29719/G M29721	UP CD
HLA-A	UP CD	CERKL	UP HFHCD	TNFSF13	UP CD
VMN1R180	UP HFHCD	DEFA3	UP HFHCD	MCUB	UP CD
SPOP	UP HFHCD	HOXA3	UP HFHCD	MYBPC1	UP CD
MIR-15	UP HFHCD	SGIP1	UP HFHCD	AIM1	UP CD
SPEER4A	UP HFHCD	HYAL1	UP HFHCD	BGN	UP CD
		4632404H12RIK	UP HFHCD	FN1	UP CD
		CEBPB	UP CD	KLF4	UP CD
		CORO6	UP HFHCD	DOCK8	UP CD
		ADAMTSL5	UP HFHCD	FMNL1	UP CD
		ZKSCAN3	UP HFHCD	APOBEC3B	UP CD
		ZNF579	UP HFHCD		
		6030443J06RIK	UP HFHCD		
		MIR5134	UP HFHCD		
		DENND6B	UP HFHCD		
		JPX	UP HFHCD		
		BC031361	UP HFHCD		
		LOC108169023	UP HFHCD		
		PLBD1	UP CD		
		GM10825	UP HFHCD		

		RNFT2	UP HFHCD		
		ZNF329	UP HFHCD		
		4930594C11RIK	UP HFHCD		
		DCLK2	UP HFHCD		
		ZFHX2OS	UP HFHCD		
		GM26876	UP HFHCD		
		GM15850	UP HFHCD		
		MCOLN1	UP HFHCD		
		PHF1	UP HFHCD		
		AIF1	UP CD		
		PNPLA6	UP HFHCD		
		CDHR4	UP HFHCD		
		NRBP2	UP HFHCD		
		LENG8	UP HFHCD		
		UBE2V1	UP HFHCD		
		GM36800	UP HFHCD		
		GM12762	UP HFHCD		
		MIR3097	UP HFHCD		
		GM6642	UP HFHCD		
		MIR5129	UP HFHCD		
		ENTPD1	UP CD		
		MIR669N	UP HFHCD		
		MIR5124A	UP HFHCD		
		DNAH7	UP HFHCD		
		PKMYT1	UP HFHCD		
		LOC102638940	UP HFHCD		
		SLC38A6	UP HFHCD		
		SLC38A9	UP HFHCD		
		LOC108168148	UP HFHCD		
		SMOK4A (pseudogene)	UP HFHCD		
		RPL6	UP HFHCD		
		HLA-DQA1	UP CD		
		GM20740	UP HFHCD		
		LOC102641859	UP HFHCD		
		OLFR119/OLFR12 1	UP HFHCD		
		LOC105243233	UP HFHCD		
		A830092H15RIK	UP HFHCD		
		TP53INP2	UP HFHCD		
		OLFR75-PS1	UP HFHCD		
		OLFR987/OLFR98 8	UP HFHCD		
		MIR-297	UP HFHCD		
		GM11754	UP HFHCD		
		HLA-DQB1	UP CD		

		TFB2M	UP HFHCD		
		1600014C23RIK	UP HFHCD		
		2210417A02RIK	UP HFHCD		
		CA11	UP HFHCD		
		C430049B03RIK	UP HFHCD		
		GM10358	UP HFHCD		
		HK1OS	UP HFHCD		
		LSM6	UP HFHCD		
		PLPP5	UP HFHCD		
		SNORD1B	UP HFHCD		
		ITGAM	UP CD		
		SLC50A1	UP HFHCD		
		I730030J21RIK	UP HFHCD		
		TM7SF2	UP HFHCD		
		FAM71F1	UP HFHCD		
		RMDN1	UP HFHCD		
		TCTA	UP HFHCD		
		RRAS	UP HFHCD		
		SNORD57	UP HFHCD		
		CYP4F3	UP HFHCD		
		INSIG1	UP HFHCD		
		CD52	UP CD		
		ABHD18	UP HFHCD		
		NTRK3	UP HFHCD		
		DBP	UP HFHCD		
		GAPDH	UP HFHCD		
		RBPM5	UP HFHCD		
		CCK	UP HFHCD		
		GYS1	UP HFHCD		
		STC1	UP HFHCD		
		GSTM1	UP HFHCD		
		GSTT3	UP HFHCD		
		GM2427/LOC102 638435	UP CD		
		CD53	UP CD		
		MFSD13A	UP HFHCD		
		CYB5R2	UP HFHCD		
		GDPGP1	UP HFHCD		
		2610507I01RIK	UP HFHCD		
		MRGPRE	UP HFHCD		
		CALCOCO1	UP HFHCD		
		TMOD1	UP HFHCD		
		ACOT2	UP HFHCD		
		GM10709	UP HFHCD		
		ALG3	UP HFHCD		

		CSF1R	UP CD		
		G6PC3	UP HFHCD		
		TECR	UP HFHCD		
		LY6G5C	UP HFHCD		
		ODF3L1	UP HFHCD		
		ELMOD3	UP HFHCD		
		AFMID	UP HFHCD		
		TMCO6	UP HFHCD		
		RNASEK	UP HFHCD		
		WBP1	UP HFHCD		
		MR1	UP HFHCD		
		FBLN2	UP CD		
		SCRG1	UP HFHCD		
		TTC12	UP HFHCD		
		LOC105244102	UP HFHCD		
		BORCS8	UP HFHCD		
		GUCY2F	UP HFHCD		
		SLC25A35	UP HFHCD		
		ZNF691	UP HFHCD		
		MGLL	UP HFHCD		
		PYROXD2	UP HFHCD		
		NIPAL3	UP HFHCD		
		PLEK	UP CD		
		TMC8	UP HFHCD		
		C030037D09RIK	UP HFHCD		
		RDH5	UP HFHCD		
		SLC9A9	UP HFHCD		
		TRP53COR1	UP HFHCD		
		ULK3	UP HFHCD		
<b>Supplementary Table 2 : Gene expressed in cluster and comparative levels between mice treated with CD or HFHCD</b>					