

A gut microbial metabolite of linoleic acid ameliorates liver fibrosis by inhibiting TGF- β signaling in hepatic stellate cells

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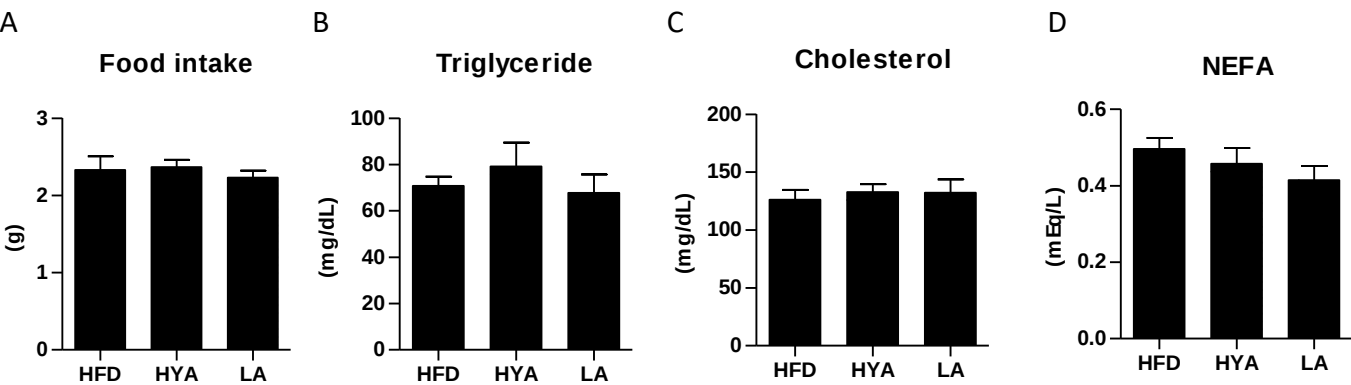
Full length images of western blotting

Supplemental Table S1

Sequence of primers for RT-qPCR analysis.
Sequence of primers for the indicated genes for RT-qPCR analysis is shown.

Species	Gene	Forward primer (5' → 3')	Reverse primer (5' → 3')
Mouse	<i>Col1a1</i>	CCTCAGGGTATTGCTGGACAAC	ACCACTTGATCCAGAAGGACCTT
	<i>Col1a2</i>	GTAAC TTCGTGCCTAGCAACA	CCTTTGTCAGAATACTGAGCAGC
	<i>Col3a1</i>	CTGTAAACATGGAAACTGGGGAAA	CCATAGCTGAACTGAAAACCACC
	<i>Acta2</i>	GTCCCAGACATCAGGGAGTAA	TCGGATACTTCAGCGTCAGGA
	<i>Tgfb1</i>	CTCCCGTGGCTTCTAGTGC	GCCTTAGTTTGGACAGGATCTG
	<i>Timp1</i>	GCAACTCGGACCTGGTCATAA	CGGCCC GTGATGAGAACT
	<i>Tnf</i>	GGTCCCCAAAGGGATGAG	TCCTCCACTTGGTGGTTTG
	<i>Il1b</i>	TTCAGGCAGGCAGTATCACTC	GAAGGTCCACGGGAAAGACAC
	<i>Il6</i>	TAGTCCTTCCTACCCCAATTTCC	TTGGTCCTTAGCCACTCCTTC
	<i>Mcp1</i>	CCAAC TCTCACTGAAGCCAGCTC	TTGGGATCATCTTGCTGGTGAA
	<i>Cd86</i>	TGTTTCCGTGGAGACGCAAG	TTGAGCCTTTGTAAATGGGCA
	<i>Srebf1</i>	AGCCATGGATTGCACATTT	CACGGACGGGTACATCT
	<i>Fasn</i>	GCTGGCATTCGTGATGGAGTCGT	AGGCCACCAGTGATGATGTA ACTCT
	<i>Acaca</i>	GATGAACCATCTCCGTTGGC	GACCCAATTATGAATCGGGAGTG
	<i>Scd1</i>	TTCTTGCGATACACTCTGGTGC	CGGGATTGAATGTTCTTGTCGT
	<i>Rplp0</i>	GAGGAATCAGATGAGGATATGGGA	AAGCAGGCTGACTTG GTTGC
Human	<i>Col1a1</i>	GAACGCGTGT CATCCCTTGT	GAACGAGGTAGTCTTTCAGCAACA
	<i>Col1a2</i>	TCAAAC TGGCTGCCAGCAT	CAAGAAACACGTCTGGCTAGG
	<i>Tgfb1</i>	ACCTGAACCCGTGTTGCTCT	CTAAGGCGAAAGCCCTCAAT
	<i>α-Sma</i>	CCGACCGAATGCAGAAGG	ACAGAGTATTTGCGCTCCGGA
	<i>Rplp0</i>	ATGCAGCAGATCCGCATGT	TTGCGCATCATGGTGTTCTT

Supplementary Figure S1



Supplementary Figure S1: Lack of effect of HYA treatment on food intake and plasma triglyceride, cholesterol, and NEFA levels in mice fed a high-fat diet.

(A) Food intake at 4 to 5 weeks after the onset of feeding C57BL/6J mice with a high-fat diet (HFD) supplemented or not with 1% HYA or 1% LA. (B-D) Plasma triglyceride (B), total cholesterol (C), and NEFA (D) levels in mice as in (A) at 24 weeks after the onset of HFD feeding. All data are means $\pm$ SEM (n = 6 to 10 mice per group).

