

**S8 Table: Statistical comparison of the oxylipin profile in *fat-1* mice and wild type animals (WT-STD) on a standard sunflower oil based diet, as well as in wild type mice on the same diet enriched with EPA and DHA (WT-STD+n3) after 30 days of feeding. Statistical analysis was conducted using one-way ANOVA followed by Tukey's post test (\* p<0.05, \*\* p<0.01, \*\*\* p<0.001, \*\*\*\* p<0.0001; n.s. = not significant).**

A) Oxylipin Profile in Plasma

		WT-STD vs <i>fat-1</i>	STD vs WT-STD+n3	<i>fat-1</i> vs WT-STD+n3	
<b>ARA</b>	<b>Prostanoids</b>	6-keto-PGF <sub>1α</sub>	n.s.	n.s.	n.s.
		PGF <sub>2α</sub> <sup>a</sup>	-	-	-
		PGE <sub>2</sub>	n.s.	**	n.s.
		PGD <sub>2</sub> <sup>b</sup>	-	-	-
		PGJ <sub>2</sub> <sup>a</sup>	-	-	-
		PGB <sub>2</sub> <sup>a</sup>	-	-	-
		15-deoxy-PGJ <sub>2</sub> <sup>a</sup>	-	-	-
		11b-PGF <sub>2α</sub> <sup>a</sup>	-	-	-
		13,14dih-15k-PGF <sub>2α</sub>	n.s.	*	n.s.
		TxB <sub>2</sub>	n.s.	n.s.	n.s.
	<b>Epoxy-FA</b>	5(6)-EpETrE	n.s.	**	*
		8(9)-EpETrE	n.s.	*	*
		11(12)-EpETrE	n.s.	****	***
		14(15)-EpETrE	n.s.	****	***
	<b>Dihydroxy-FA</b>	5,6-DiHETrE	n.s.	**	n.s.
		8,9-DiHETrE	n.s.	**	*
		11,12-DiHETrE	n.s.	*	n.s.
		14,15-DiHETrE	n.s.	n.s.	n.s.
	<b>Hydroxy-FA</b>	5-HETE	n.s.	*	n.s.
		8-HETE	n.s.	*	**
		9-HETE <sup>a</sup>	-	-	-
		11-HETE	*	**	n.s.
		12-HETE	n.s.	n.s.	n.s.
		15-HETE	n.s.	**	n.s.
		20-HETE <sup>b</sup>	-	-	-
	<b>Multiple Hydroxylated FA</b>	LTB <sub>4</sub> <sup>a</sup>	-	-	-
		6-trans-LTB <sub>4</sub> <sup>a</sup>	-	-	-
		20-COOH-LTB <sub>4</sub> <sup>a</sup>	-	-	-
		20-OH-LTB <sub>4</sub> <sup>a</sup>	-	-	-
		LXA <sub>4</sub> <sup>a</sup>	-	-	-
		5,15-DiHETE <sup>a</sup>	-	-	-
	<b>Isoprostanes</b>	8,15-DiHETE <sup>a</sup>	-	-	-
		5-iPF <sub>2α</sub> <sup>b</sup>	-	-	-
<b>Others</b>	8-i-PGF <sub>2α</sub> <sup>a</sup>	-	-	-	
	5-oxo-ETE <sup>a</sup>	-	-	-	
	15-oxo-ETE <sup>d</sup>	n.s.	-	-	

		11,12-,15-TriHETrE <sup>a</sup>	-	-	-
		THF diol <sup>a</sup>	-	-	-
<b>EPA</b>	<b>Prostanoids</b>	PGE <sub>3</sub> <sup>a</sup>	-	-	-
		PGD <sub>3</sub> <sup>a</sup>	-	-	-
		d17-6k-PGF <sub>1α</sub> <sup>a</sup>	-	-	-
		TxB <sub>3</sub> <sup>c</sup>	-	-	-
	<b>Epoxy-FA</b>	8(9)-EpETE <sup>c</sup>	-	-	-
		11(12)-EpETE <sup>c</sup>	-	-	-
		14(15)-EpETE <sup>d</sup>	-	-	**
		17(18)-EpETE <sup>d</sup>	-	-	*
	<b>Dihydroxy-FA</b>	5,6-DiHETE <sup>a</sup>	-	-	-
		8,9-DiHETE <sup>a</sup>	-	-	-
		11,12-DiHETE <sup>d</sup>	-	-	*
		14,15-DiHETE	n.s.	***	***
		17,18-DiHETE	n.s.	***	**
	<b>Hydroxy-FA</b>	5-HEPE <sup>d</sup>	-	-	**
		8-HEPE <sup>d</sup>	-	-	*
		12-HEPE	n.s.	**	**
		15-HEPE <sup>c</sup>	-	-	-
		18-HEPE <sup>d</sup>	-	-	**
		19-HEPE	n.s.	****	***
20-HEPE		n.s.	**	**	
<b>Multiple Hydroxylated FA</b>	LTB <sub>5</sub> <sup>a</sup>	-	-	-	
	RvE1 <sup>a</sup>	-	-	-	
	RvE2 <sup>a</sup>	-	-	-	
	18(S)-RvE3 <sup>a</sup>	-	-	-	
	18(R)-RvE3 <sup>a</sup>	-	-	-	
<b>Others</b>	12-OH-17(18)-EpETE <sup>a</sup>	-	-	-	
<b>DHA</b>	<b>Epoxy-FA</b>	10(11)-EpDPE	n.s.	***	**
		13(14)-EpDPE	n.s.	****	***
		16(17)-EpDPE	n.s.	****	***
		19(20)-EpDPE	n.s.	****	***
	<b>Dihydroxy-FA</b>	4,5-DiHDPE	n.s.	****	***
		7,8-DiHDPE	n.s.	****	***
		10,11-DiHDPE	n.s.	****	***
		13,14-DiHDPE	n.s.	****	***
		16,17-DiHDPE	n.s.	***	**
		19,20-DiHDPE	n.s.	**	**
	<b>Hydroxy-FA</b>	4-HDHA	n.s.	****	****
		7-HDHA	n.s.	****	****
		8-HDHA	n.s.	****	****
		10-HDHA	n.s.	****	***
		11-HDHA	n.s.	****	****
		13-HDHA	n.s.	****	****
		14-HDHA	n.s.	**	**
		16-HDHA	n.s.	****	****

		17-HDHA	n.s.	****	****	
		20-HDHA	n.s.	****	****	
		21-HDHA	n.s.	***	***	
		22-HDHA	n.s.	**	**	
	<b>Multiple Hydroxylated FA</b>	RvD1 <sup>a</sup>	-	-	-	
<b>LA</b>	<b>Epoxy-FA</b>	9(10)-EpOME	n.s.	n.s.	n.s.	
		12(13)-EpOME	n.s.	n.s.	n.s.	
	<b>Dihydroxy-FA</b>	9,10-DiHOME	n.s.	n.s.	n.s.	
		12,13-DiHOME	n.s.	n.s.	n.s.	
	<b>Hydroxy-FA</b>	9-HODE	n.s.	n.s.	n.s.	
		13-HODE	*	n.s.	n.s.	
	<b>Others</b>	EKODE	n.s.	n.s.	n.s.	
		9-oxo-ODE	n.s.	n.s.	n.s.	
		13-oxo-ODE	n.s.	n.s.	n.s.	
		9,12,13-TriHOME	n.s.	n.s.	n.s.	
		9,10,13-TriHOME	n.s.	n.s.	n.s.	
	<b>ALA</b>	<b>Epoxy-FA</b>	9(10)-EpODE	n.s.	n.s.	n.s.
			12(13)-EpODE <sup>d</sup>	-	-	n.s.
15(16)-EpODE			n.s.	n.s.	n.s.	
<b>Dihydroxy-FA</b>		9,10-DiHODE	*	n.s.	n.s.	
		12,13-DiHODE <sup>a</sup>	-	-	-	
		15,16-DiHODE	n.s.	n.s.	n.s.	
<b>Hydroxy-FA</b>		9-HOTrE	n.s.	n.s.	n.s.	
		13-HOTrE	n.s.	n.s.	n.s.	
<b>DGLA</b>		<b>Prostanoids</b>	PGE <sub>1</sub> <sup>a</sup>	-	-	-
	PGD <sub>1</sub> <sup>a</sup>		-	-	-	
	PGF <sub>1α</sub> <sup>a</sup>		-	-	-	
	15-k-PGF <sub>1α</sub> <sup>a</sup>		-	-	-	
	13,14-dih-15-k-PGE <sub>1</sub> <sup>a</sup>		-	-	-	
	TxB <sub>1</sub> <sup>a</sup>		-	-	-	
	<b>Hydroxy-FA</b>	15(S)-HETrE	n.s.	n.s.	n.s.	
<b>Oleic Acid</b>		9(10)-ep-stearic acid	n.s.	n.s.	n.s.	
		9,10-dih-stearic acid	n.s.	n.s.	n.s.	
<b>C20:3 n9</b>		LTB <sub>3</sub> <sup>a</sup>	-	-	-	
<b>C22:4 n6</b>		dihomo-PGF <sub>2α</sub> <sup>a</sup>	-	-	-	

<sup>a</sup> analyte below LOQ in all groups; <sup>b</sup> analyte below LOQ in WT-STD+n3 and *fat-1*; <sup>c</sup> analyte below LOQ in WT-STD and *fat-1*; <sup>d</sup> For analytes that were below LOQ one of the three groups, a t-test (two-tailed, unpaired), with Welch correction in case of unequal variances, was performed.

B) Oxylipin Profile in Brain

			WT-STD vs <i>fat-1</i>	STD vs WT-STD+n3	<i>fat-1</i> vs WT-STD+n3	
ARA	Prostanoids	6-keto-PGF <sub>1α</sub>	*	***	n.s.	
		PGF <sub>2α</sub>	***	****	n.s.	
		PGE <sub>2</sub>	****	****	n.s.	
		PGD <sub>2</sub>	****	****	n.s.	
		PGJ <sub>2</sub>	n.s.	n.s.	n.s.	
		PGB <sub>2</sub> <sup>a</sup>	-	-	-	
		15-deoxy-PGJ <sub>2</sub> <sup>a</sup>	-	-	-	
		11b-PGF <sub>2α</sub> <sup>a</sup>	-	-	-	
		13,14dih-15k-PGF <sub>2α</sub>	****	****	n.s.	
		TxB <sub>2</sub>	****	****	n.s.	
	Epoxy-FA	5(6)-EpETrE	n.s.	n.s.	n.s.	
		8(9)-EpETrE	n.s.	n.s.	n.s.	
		11(12)-EpETrE	*	n.s.	n.s.	
		14(15)-EpETrE	n.s.	n.s.	n.s.	
	Dihydroxy-FA	5,6-DiHETrE <sup>a</sup>	-	-	-	
		8,9-DiHETrE <sup>a</sup>	-	-	-	
		11,12-DiHETrE	*	n.s.	n.s.	
		14,15-DiHETrE	**	*	n.s.	
	Hydroxy-FA	5-HETE	n.s.	n.s.	n.s.	
		8-HETE	n.s.	n.s.	n.s.	
		9-HETE	n.s.	n.s.	**	
		11-HETE	****	****	n.s.	
		12-HETE	n.s.	n.s.	n.s.	
		15-HETE	****	***	n.s.	
		20-HETE <sup>b</sup>	-	-	-	
	Multiple Hydroxylated FA	LTB <sub>4</sub> <sup>a</sup>	-	-	-	
		6-trans-LTB <sub>4</sub> <sup>a</sup>	-	-	-	
		20-COOH-LTB <sub>4</sub> <sup>a</sup>	-	-	-	
		20-OH-LTB <sub>4</sub> <sup>a</sup>	-	-	-	
		LXA <sub>4</sub> <sup>a</sup>	-	-	-	
		5,15-DiHETE	***	n.s.	*	
		8,15-DiHETE	***	n.s.	*	
	Isoprostanes	5-iPF <sub>2α</sub> <sup>a</sup>	-	-	-	
		8-i-PGF <sub>2α</sub> <sup>a</sup>	-	-	-	
	Others	5-oxo-ETE <sup>d</sup>	n.s.	-	-	
		15-oxo-ETE	n.s.	n.s.	n.s.	
		11,12-,15-TriHETrE <sup>b</sup>	-	-	-	
		THF diol <sup>a</sup>	-	-	-	
	EPA	Prostanoids	PGE <sub>3</sub> <sup>a</sup>	-	-	-
			PGD <sub>3</sub> <sup>a</sup>	-	-	-
			d17-6k-PGF <sub>1α</sub> <sup>a</sup>	-	-	-
			TxB <sub>3</sub> <sup>c</sup>	-	-	-

	<b>Epoxy-FA</b>	8(9)-EpETE <sup>a</sup>	-	-	-
		11(12)-EpETE <sup>c</sup>	-	-	-
		14(15)-EpETE <sup>c</sup>	-	-	-
		17(18)-EpETE <sup>a</sup>	-	-	-
	<b>Dihydroxy-FA</b>	5,6-DiHETE <sup>a</sup>	-	-	-
		8,9-DiHET <sup>a</sup>	-	-	-
		11,12-DiHETE <sup>a</sup>	-	-	-
		14,15-DiHETE <sup>a</sup>	-	-	-
		17,18-DiHETE <sup>d</sup>	-	-	**
	<b>Hydroxy-FA</b>	5-HEPE <sup>c</sup>	-	-	-
		8-HEPE <sup>c</sup>	-	-	-
		12-HEPE	n.s.	n.s.	n.s.
		15-HEPE <sup>c</sup>	-	-	-
		18-HEPE <sup>d</sup>	-	-	****
		19-HEPE <sup>c</sup>	-	-	-
		20-HEPE <sup>c</sup>	-	-	-
	<b>Multiple Hydroxylated FA</b>	LTB <sub>5</sub> <sup>a</sup>	-	-	-
		RvE1 <sup>a</sup>	-	-	-
		RvE2 <sup>a</sup>	-	-	-
		18(S)-RvE3 <sup>a</sup>	-	-	-
18(R)-RvE3 <sup>a</sup>		-	-	-	
<b>Others</b>	12-OH-17(18)-EpETE <sup>a</sup>	-	-	-	
<b>DHA</b>	<b>Epoxy-FA</b>	10(11)-EpDPE	n.s.	n.s.	n.s.
		13(14)-EpDPE	n.s.	n.s.	n.s.
		16(17)-EpDPE	n.s.	n.s.	n.s.
		19(20)-EpDPE	n.s.	n.s.	n.s.
	<b>Dihydroxy-FA</b>	4,5-DiHDPE <sup>a</sup>	-	-	-
		7,8-DiHDPE <sup>a</sup>	-	-	-
		10,11-DiHDPE <sup>a</sup>	-	-	-
		13,14-DiHDPE <sup>a</sup>	-	-	-
		16,17-DiHDPE <sup>a</sup>	-	-	-
		19,20-DiHDPE	n.s.	****	***
	<b>Hydroxy-FA</b>	4-HDHA	n.s.	**	*
		7-HDHA	n.s.	*	**
		8-HDHA	n.s.	***	**
		10-HDHA	n.s.	*	n.s.
		11-HDHA	n.s.	**	*
		13-HDHA	n.s.	n.s.	n.s.
		14-HDHA	n.s.	*	n.s.
		16-HDHA	n.s.	n.s.	n.s.
		17-HDHA	n.s.	n.s.	n.s.
		20-HDHA	n.s.	n.s.	n.s.
		21-HDHA	n.s.	****	**
		22-HDHA	n.s.	*	*
<b>Multiple Hydroxylated FA</b>	RvD1 <sup>a</sup>	-	-	-	

LA	Epoxy-FA	9(10)-EpOME	n.s.	n.s.	n.s.
		12(13)-EpOME	n.s.	n.s.	n.s.
	Dihydroxy-FA	9,10-DiHOME	*	**	n.s.
		12,13-DiHOME	*	**	n.s.
	Hydroxy-FA	9-HODE	*	***	n.s.
		13-HODE	**	***	n.s.
	Others	EKODE	**	**	n.s.
		9-oxo-ODE	*	**	n.s.
		13-oxo-ODE <sup>b</sup>	-	-	-
		9,12,13-TriHOME	n.s.	*	n.s.
		9,10,13-TriHOME	n.s.	n.s.	n.s.
ALA	Epoxy-FA	9(10)-EpODE <sup>b</sup>	-	-	-
		12(13)-EpODE <sup>a</sup>	-	-	-
		15(16)-EpODE <sup>b</sup>	-	-	-
	Dihydroxy-FA	9,10-DiHODE <sup>b</sup>	-	-	-
		12,13-DiHODE <sup>a</sup>	-	-	-
		15,16-DiHODE <sup>a</sup>	-	-	-
	Hydroxy-FA	9-HOTrE	n.s.	*	n.s.
13-HOTrE		*	*	n.s.	
DGLA	Prostanoids	PGE <sub>1</sub> <sup>b</sup>	-	-	-
		PGD <sub>1</sub>	***	***	n.s.
		PGF <sub>1α</sub>	***	***	n.s.
		15-k-PGF <sub>1α</sub> <sup>a</sup>	-	-	-
		13,14-dih-15-k-PGE <sub>1</sub> <sup>a</sup>	-	-	-
	TxB <sub>1</sub> <sup>a</sup>	-	-	-	
Hydroxy-FA	15(S)-HETrE	n.s.	n.s.	n.s.	
Oleic Acid	9(10)-ep-stearic acid	n.s.	n.s.	n.s.	
	9,10-dih-stearic acid	n.s.	n.s.	n.s.	
C20:3 n9	LTB <sub>3</sub> <sup>a</sup>	-	-	-	
C22:4 n6	dihomo-PGF <sub>2α</sub> <sup>d</sup>	**	-	-	

<sup>a</sup> analyte below LOQ in all groups; <sup>b</sup> analyte below LOQ in WT-STD+n3 and *fat-1*; <sup>c</sup> analyte below LOQ in WT-STD and *fat-1*; <sup>d</sup> For analytes that were below LOQ one of the three groups, a t-test (two-tailed, unpaired), with Welch correction in case of unequal variances, was performed.

C) Oxylipin Profile in Colon

			WT-STD vs <i>fat-1</i>	STD vs WT-STD+n3	<i>fat-1</i> vs WT-STD+n3	
ARA	Prostanoids	6-keto-PGF <sub>1α</sub>	***	****	**	
		PGF <sub>2α</sub>	*	****	*	
		PGE <sub>2</sub>	****	****	****	
		PGD <sub>2</sub>	**	****	***	
		PGJ <sub>2</sub>	***	****	**	
		PGB <sub>2</sub> <sup>a</sup>	-	-	-	
		15-deoxy-PGJ <sub>2</sub> <sup>d</sup>	n.s.	-	-	
		11b-PGF <sub>2α</sub> <sup>a</sup>	-	-	-	
		13,14dih-15k-PGF <sub>2α</sub> <sup>a</sup>	-	-	-	
		TxB <sub>2</sub>	n.s.	****	***	
	Epoxy-FA	5(6)-EpETrE	**	****	**	
		8(9)-EpETrE	*	****	*	
		11(12)-EpETrE	*	****	*	
		14(15)-EpETrE	*	****	*	
	Dihydroxy-FA	5,6-DiHETrE <sup>d</sup>	**	-	-	
		8,9-DiHETrE	n.s.	***	***	
		11,12-DiHETrE	n.s.	***	**	
		14,15-DiHETrE	**	****	****	
	Hydroxy-FA	5-HETE	****	****	**	
		8-HETE	**	****	*	
		9-HETE	**	****	**	
		11-HETE	**	****	**	
		12-HETE	**	****	n.s.	
		15-HETE	**	****	*	
		20-HETE <sup>d</sup>	n.s.	-	-	
	Multiple Hydroxylated FA	LTB <sub>4</sub>	***	****	n.s.	
		6-trans-LTB <sub>4</sub>	**	****	*	
		20-COOH-LTB <sub>4</sub> <sup>d</sup>	n.s.	-	-	
		20-OH-LTB <sub>4</sub> <sup>a</sup>	-	-	-	
		LXA <sub>4</sub> <sup>a</sup>	-	-	-	
		5,15-DiHETE	**	****	n.s.	
	8,15-DiHETE	*	***	n.s.		
	Isoprostanes	5-iPF <sub>2α</sub>	***	****	n.s.	
		8-i-PGF <sub>2α</sub>	****	****	**	
	Others	5-oxo-ETE	n.s.	**	n.s.	
		15-oxo-ETE	****	****	*	
		11,12-,15-TriHETrE	*	****	*	
		THF diol <sup>a</sup>	-	-	-	
	EPA	Prostanoids	PGE <sub>3</sub>	***	****	****
			PGD <sub>3</sub>	***	****	***
			d17-6k-PGF <sub>1α</sub>	***	****	****
			TxB <sub>3</sub>	****	****	****

	<b>Epoxy-FA</b>	8(9)-EpETE <sup>d</sup>	-	-	***
		11(12)-EpETE	*	****	****
		14(15)-EpETE	*	****	****
		17(18)-EpETE	n.s.	n.s.	n.s.
	<b>Dihydroxy-FA</b>	5,6-DiHETE <sup>d</sup>	**	-	-
		8,9-DiHETE <sup>d</sup>	-	-	****
		11,12-DiHETE <sup>d</sup>	-	-	****
		14,15-DiHETE <sup>d</sup>	-	-	****
		17,18-DiHETE	n.s.	n.s.	n.s.
	<b>Hydroxy-FA</b>	5-HEPE	n.s.	****	****
		8-HEPE <sup>d</sup>	-	-	*
		12-HEPE	*	****	**
		15-HEPE	****	****	***
		18-HEPE	**	****	****
		19-HEPE <sup>d</sup>	-	-	***
		20-HEPE	n.s.	*	n.s.
	<b>Multiple Hydroxylated FA</b>	LTB <sub>5</sub> <sup>c</sup>	-	-	-
		RvE1 <sup>a</sup>	-	-	-
		RvE2 <sup>a</sup>	-	-	-
		18(S)-RvE3 <sup>a</sup>	-	-	-
		18(R)-RvE3 <sup>a</sup>	-	-	-
	<b>Others</b>	12-OH-17(18)-EpETE <sup>a</sup>	-	-	-
	<b>DHA</b>	<b>Epoxy-FA</b>	10(11)-EpDPE	n.s.	****
13(14)-EpDPE			n.s.	****	****
16(17)-EpDPE			n.s.	****	****
19(20)-EpDPE			n.s.	****	****
<b>Dihydroxy-FA</b>		4,5-DiHDPE <sup>d</sup>	-	-	****
		7,8-DiHDPE <sup>c</sup>	-	-	-
		10,11-DiHDPE	n.s.	****	****
		13,14-DiHDPE	n.s.	****	****
		16,17-DiHDPE	***	****	***
		19,20-DiHDPE	*	****	****
<b>Hydroxy-FA</b>		4-HDHA	n.s.	****	****
		7-HDHA	n.s.	****	****
		8-HDHA	n.s.	****	****
		10-HDHA	n.s.	*	n.s.
		11-HDHA	n.s.	**	**
		13-HDHA	*	****	**
		14-HDHA	n.s.	n.s.	n.s.
		16-HDHA	*	****	****
		17-HDHA	n.s.	n.s.	n.s.
		20-HDHA	*	****	****
		21-HDHA	n.s.	***	***
		22-HDHA	n.s.	***	**
<b>Multiple Hydroxylated FA</b>		RvD1 <sup>a</sup>	-	-	-



LA	Epoxy-FA	9(10)-EpOME	n.s.	n.s.	n.s.
		12(13)-EpOME	n.s.	n.s.	n.s.
	Dihydroxy-FA	9,10-DiHOME	n.s.	n.s.	n.s.
		12,13-DiHOME	n.s.	n.s.	n.s.
	Hydroxy-FA	9-HODE	n.s.	*	*
		13-HODE	n.s.	*	n.s.
	Others	EKODE	n.s.	n.s.	n.s.
		9-oxo-ODE	n.s.	n.s.	n.s.
		13-oxo-ODE	n.s.	n.s.	n.s.
		9,12,13-TriHOME	n.s.	**	n.s.
		9,10,13-TriHOME	*	n.s.	n.s.
ALA	Epoxy-FA	9(10)-EpODE	n.s.	n.s.	n.s.
		12(13)-EpODE	n.s.	n.s.	n.s.
		15(16)-EpODE	n.s.	n.s.	n.s.
	Dihydroxy-FA	9,10-DiHODE	n.s.	n.s.	n.s.
		12,13-DiHODE <sup>a</sup>	-	-	-
		15,16-DiHODE	n.s.	n.s.	n.s.
	Hydroxy-FA	9-HOTrE	n.s.	n.s.	n.s.
		13-HOTrE	n.s.	n.s.	n.s.
DGLA	Prostanoids	PGE <sub>1</sub>	****	****	n.s.
		PGD <sub>1</sub>	***	****	n.s.
		PGF <sub>1α</sub>	**	***	n.s.
		15-k-PGF <sub>1α</sub> <sup>a</sup>	-	-	-
		13,14-dih-15-k-PGE <sub>1</sub>	***	****	n.s.
		TxB <sub>1</sub>	*	*	n.s.
	Hydroxy-FA	15(S)-HETrE	***	***	n.s.
Oleic Acid	9(10)-ep-stearic acid	n.s.	n.s.	n.s.	
	9,10-dih-stearic acid	n.s.	*	**	
C20:3 n9	LTB <sub>3</sub> <sup>a</sup>	-	-	-	
C22:4 n6	dihomo-PGF <sub>2α</sub>	***	****	*	

<sup>a</sup> analyte below LOQ in all groups; <sup>b</sup> analyte below LOQ in WT-STD+n3 and *fat-1*; <sup>c</sup> analyte below LOQ in WT-STD and *fat-1*; <sup>d</sup> For analytes that were below LOQ one of the three groups, a t-test (two-tailed, unpaired), with Welch correction in case of unequal variances, was performed.