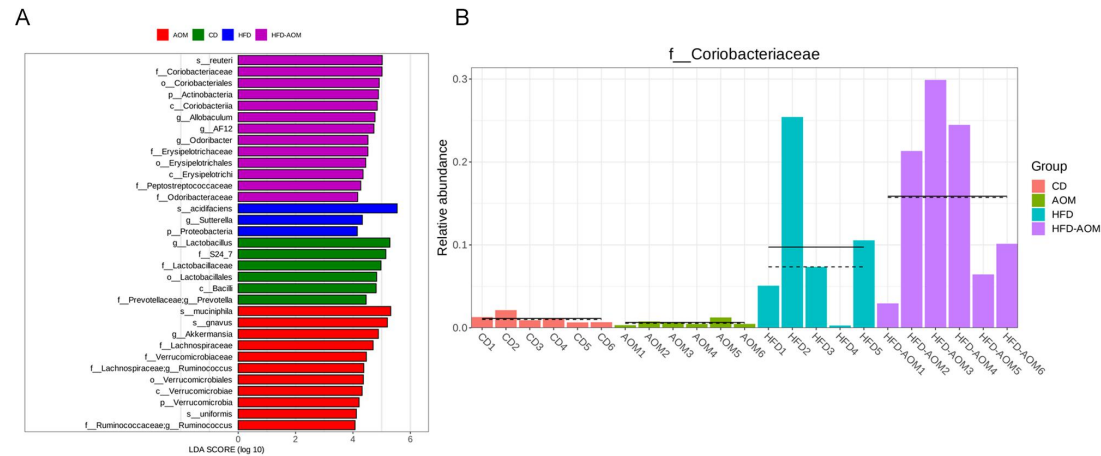
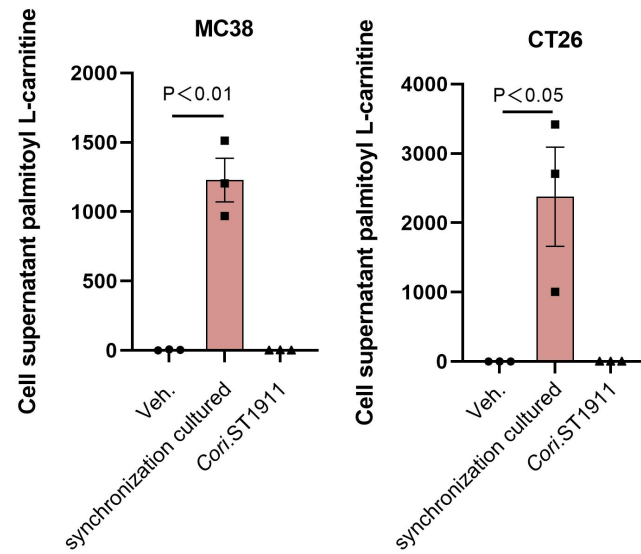


Supplementary materials for Endogenous *Coriobacteriaceae* Enriched by a High-Fat Diet Promotes Colorectal Tumorigenesis Through the *cpt1a*-erk Axis

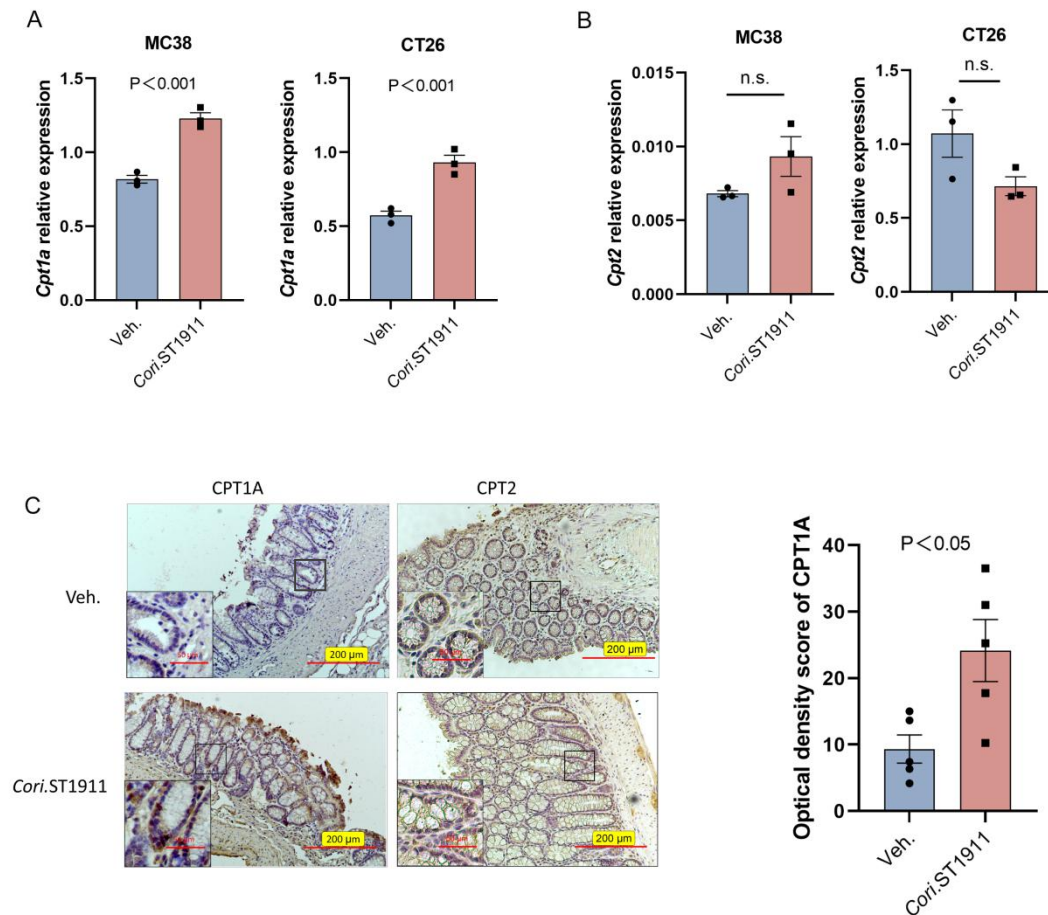
Supplementary Figures



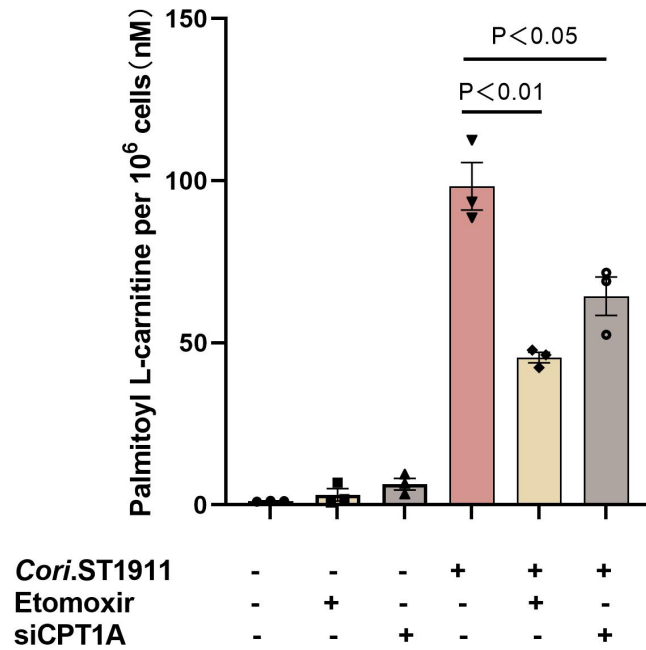
Supplementary Fig. 1 LEfSe analysis results of faecal microbiota of CD(n = 6) , CD-AOM(n = 6) , HFD (n = 5), and HFD-AOM (n = 6) mice at 20 weeks by 16S rRNA sequencing. **A.** LDA value distribution bar chart. The LDA value distribution histogram shows species with LDA scores greater than the set value (default set to 4). **B.** Comparison of relative abundance of each biomarker in each group.



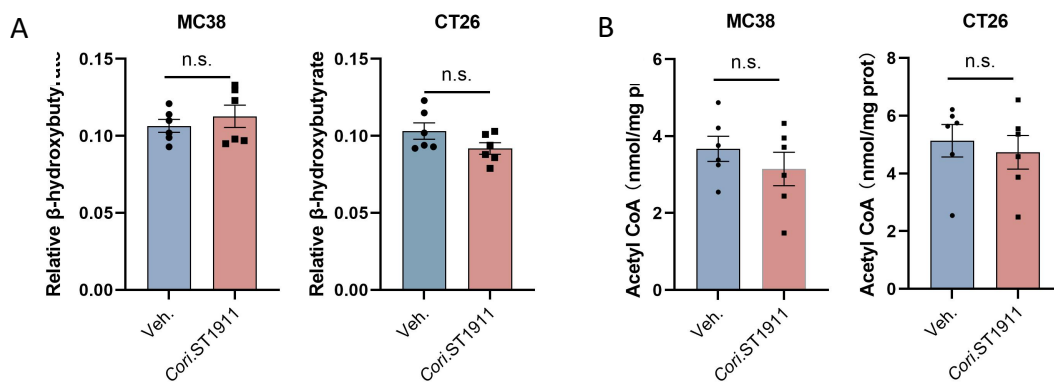
Supplementary Fig. 2 Cell culture supernatant palmitoyl L-carnitine concentration following treatment with vehicle or *Cori.ST1911* (n = 3). Data are represented as mean $\pm$ SEM, analysed using the two-tailed Student's t-test.



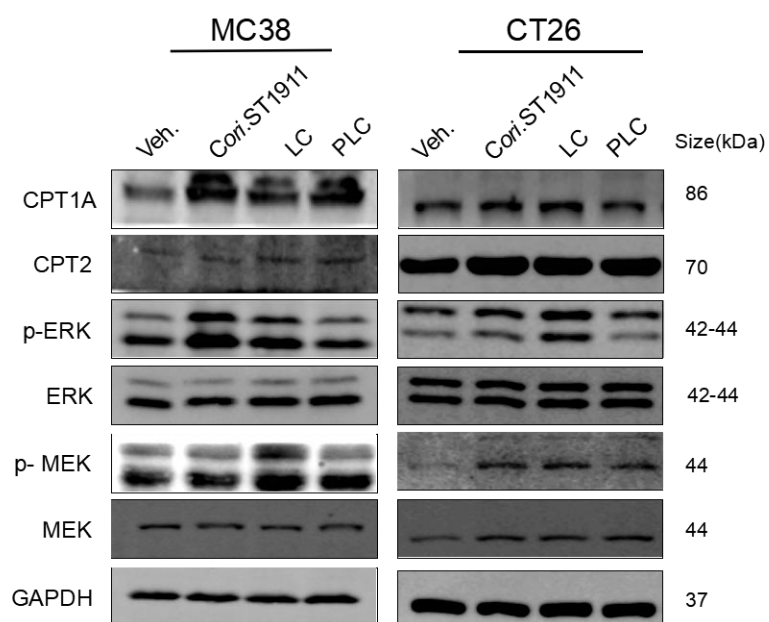
Supplementary Fig. 3 A-B. Quantitative PCR analysis of CPT1A and CPT2 mRNA expression in cell lines treated with vehicle or *Cori.ST1911* (n = 3). Data are represented as mean $\pm$ SEM, analysed using the two-tailed Student's t-test; n.s., no significance. **C.** Representative images of CPT1A and CPT2 expression and quantitative analysis of CPT1A in colon tissues of *Cori.ST1911* and GAM broth control group mice. Scale bars, 200 μ m. Data are represented as mean $\pm$ SEM, analysed using two-tailed Student's t-test ; n.s., no significance.



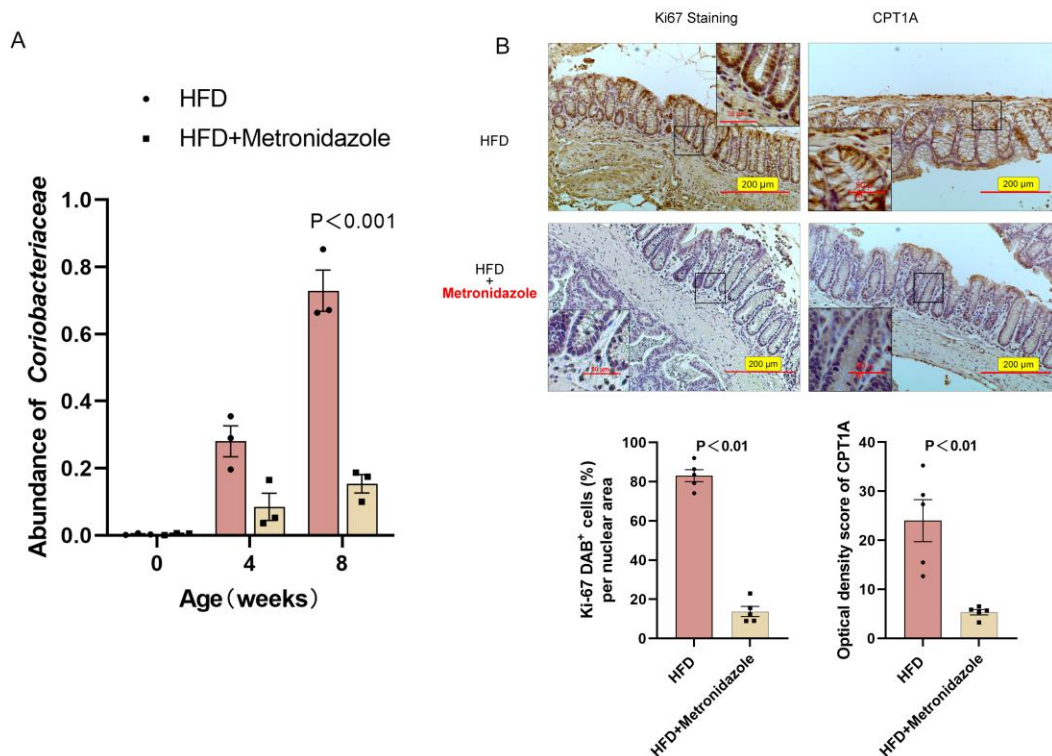
Supplementary Fig. 4 Intracellular palmitoyl L-carnitine concentration following treatment with vehicle or *Cori.ST1911* combined with siCPT1A (48 h) or etomoxir (100 μ M) ($n = 3$). Data are represented as mean $\pm$ SEM; analysed using one way ANOVA; n.s., no significance.



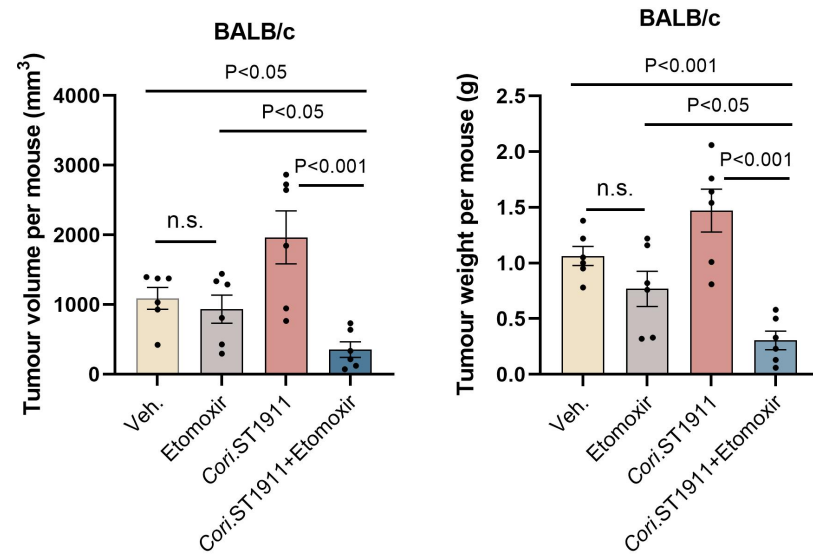
Supplementary Fig. 5 A. Intracellular β -hydroxybutyrate and **B.** Acetyl CoA concentration following treatment with *Cori.ST1911* ($n = 6$). Data are represented as mean $\pm$ SEM; analysed using the two-tailed Student's t-test; n.s., no significance.



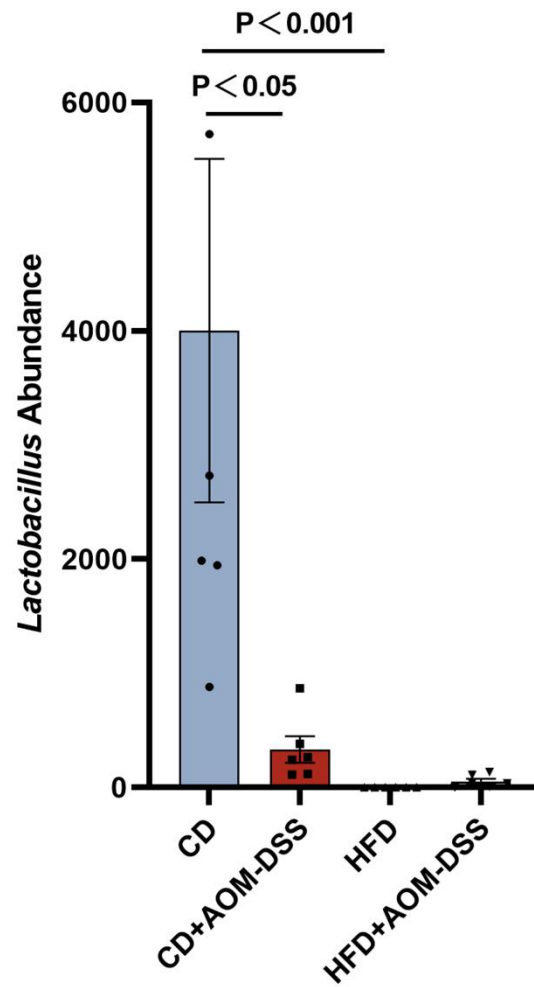
Supplementary Fig. 6 Representative western blots showing the effect of *Cori.ST1911* (MOI=100), LC (1 mM), and PLC (75 μ M) on CPT1A and MAPK-related gene expression in cell lines MC38 and CT26.



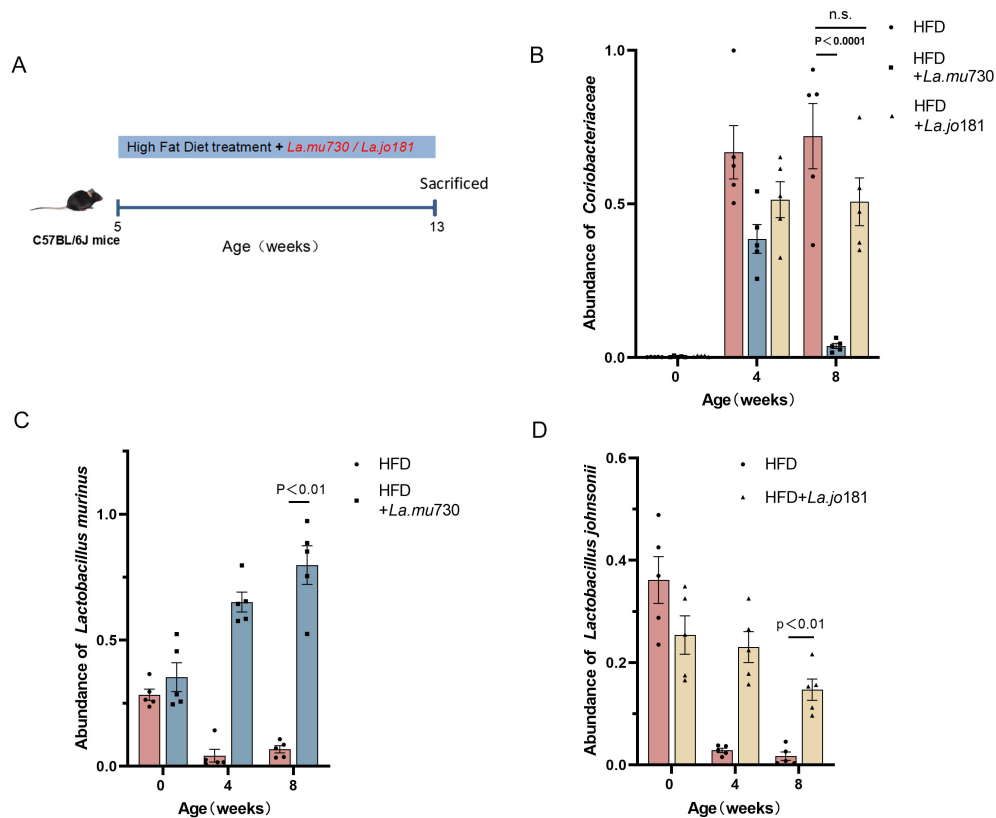
Supplementary Fig. 7 A. *Coriobacteriaceae* abundance in the stool of C57BL/6J AOM mice fed a HFD and a HFD combined with metronidazole, evaluated using qPCR and normalised to universal bacterial primers by targeting 16S rRNA genes (n = 3). **B.** Representative images of IHC of tissue nuclear Ki67 and CPT1A staining of the HFD group and the HFD combined with metronidazole mice with quantitative analysis of CPT1A and nuclear Ki67⁺ cells. Scale bars, 200 μ m. Data are represented as mean $\pm$ SEM, analysed using two-tailed Student's t-test.



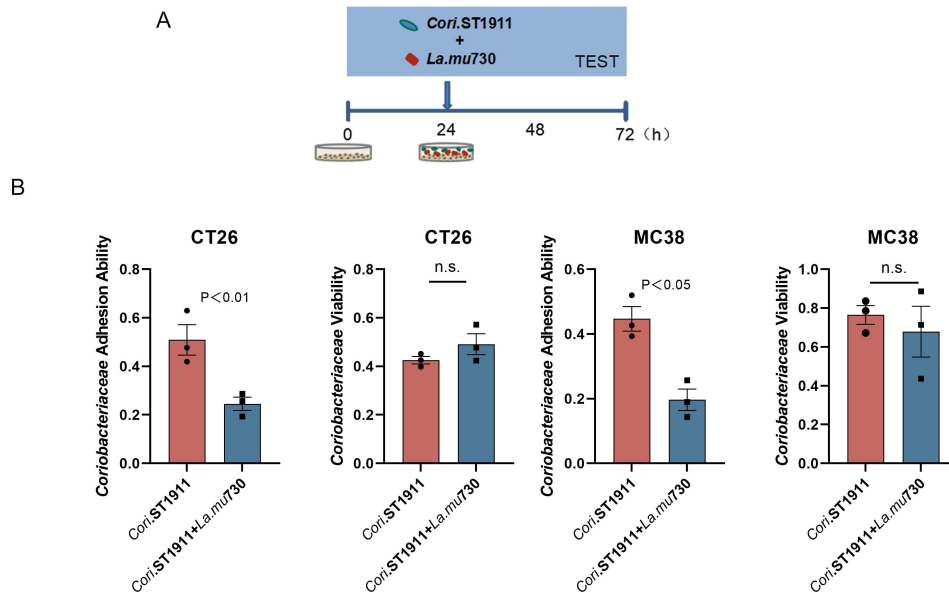
Supplementary Fig. 8 Tumour weight and volume in subcutaneous transplanted tumour model BALB/c mice gavaged with *Cori.ST1911* or *Cori.ST1911*+etomoxir (n = 6). Data are represented as mean $\pm$ SEM, analysed using one way ANOVA; n.s., no significance.



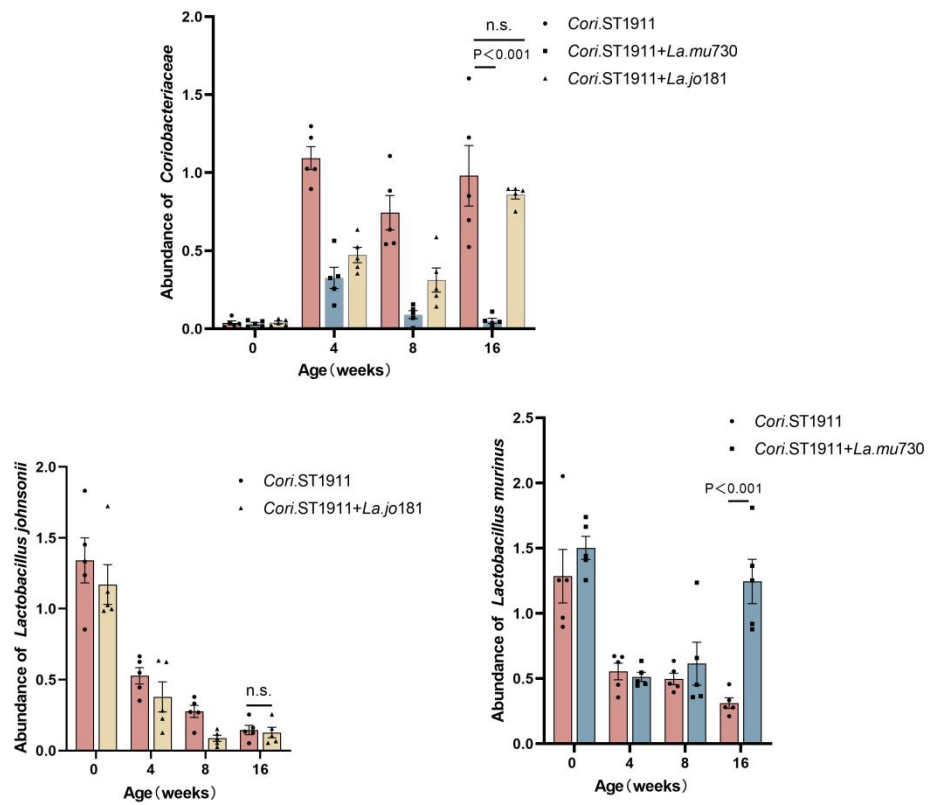
Supplementary Fig. 9 *Lactobacillus* abundance in the stool of CD- or HFD-fed C57BL/6J AOM mice at 20 weeks, determined using qPCR, normalised to universal bacterial primers by targeting 16S rRNA genes (n = 5). Data are represented as mean $\pm$ SEM, analysed using one way ANOVA.



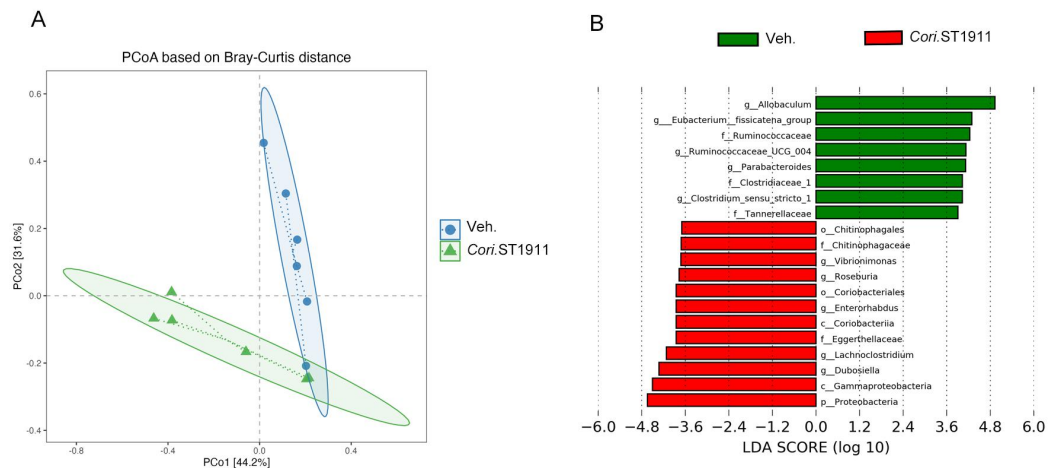
Supplementary Fig. 10 A. Schematic diagram of the experimental procedure of HFD-fed mice gavaged with *La.mu730* or *La.jo181* (1×10^8 CFU, every 2 days) for 8 weeks ($n = 5$). **B-D.** The abundance of *Coriobacteriaceae*, *Lactobacillus murinus* and *Lactobacillus johnsonii* in the stool of HFD-fed mice gavaged with *La.mu730* or *La.jo181* determined using qPCR, normalised to universal bacterial primers by targeting 16S rRNA genes ($n = 5$). Data are represented as mean $\pm$ SEM, analysed using one way ANOVA; n.s., no significance.



Supplementary Fig. 11 Schematic diagram of the experimental procedure of *Lactobacillus* and *Coriobacteriaceae* co-cultured with cell lines for 48h (MOI = 100). **B.** Adhesion ability and viability of *Cori.ST1911* in the co-culture system. Data are represented as mean $\pm$ SEM, analysed using two-tailed Student's t-test; n.s., no significance.



Supplementary Fig. 12 *Coriobacteriaceae*, *Lactobacillus murinus* and *Lactobacillus johnsonii* abundance in the stool of C57BL/6J AOM mice gavaged with *Cori.ST1911* combined with *La.mu730* or *La.jo181*, determined using qPCR, normalised to universal bacterial primers by targeting 16S rRNA genes (n = 5). Data are represented as mean $\pm$ SEM, analysed using one way ANOVA; n.s., no significance.



Supplementary Fig. 13 16S rRNA sequencing of faecal microbiota of vehicle- or *Cori.ST1911*-gavaged C57BL/6J AOM mice (n = 5) at 20 weeks. **A.** Unifrac PCoA of microbiota in the *Cori.ST1911* and vehicle groups. **B.** Comparative analysis of species abundance in the *Cori.ST1911* and vehicle groups using LEfSe and Wilcoxon rank sum test. The vertical axis represents the relative abundance of different species, the horizontal axis represents grouping information.

Supplementary Table 1. Criterion of antibiotics resistance and Sensitivity of *Cori*.ST1911 to antibiotics by using Kirby-Bauer (K-B) method

Antibiotic	Content(μg)	The Sensitivity rang (mm)			The inhibition zone diameter (mm)	Antibiotic sensitivity
		R	I	S		
Aminoglycosides						
Gentamicin	10	≤12	13~14	≥15	16	S
Neomycin	30	≤12	13~16	≥17	18	S
Glycopeptides						
Vancomycin	30	≤14	15~16	≥17	18	S
β-Lactam						
Ampicillin	10	≤13	14~16	≥17	25	S
Nitroimidazoles						
Metronidazole	5	≤12	13-15	≥16	34	S

Supplementary Table 2. The ingredients of GAM

The ingredients of the culture medium of GAM (Gifu Anaerobic Medium)	
Ingredients	Contents
<u>Proteose peptone</u>	15g/L
Pancreatic casein peptone	10.0g/L
Soybean peptone	3.0g/L
Yeast extract	5.0g/L
Beef meal	2.0g/L
Digest serum powder	13.5g/L
Beef liver extract	1.2g/L
Glucose	3.0g/L
Potassium dihydrogen phosphate	2.5g/L
Sodium chloride	3.0g/L
Soluble starch	0.3g/L
L-cysteine	0.3g/L
Sodium thioglycollate	0.15g/L
pH 7.2	

Supplementary Table 3. Diet Formulas

Diet Formulas	Rodent Diet with 10% Kcal% Fat(CD)		Rodent Diet with 60% Kcal% Fat (HFD)	
	gm	kcal	gm	kcal
Casein	200	800	200	800
L-cystine	3	12	3	12
Corn starch	506.2	2024.8	0	0
Maltodextrin	125	500	125	500
Sucrose	68.8	275.2	68.8	275.2
Cellulose	50	0	50	0
Soybean oil	25	225	25	225
Lard	20	180	245	2205
Mineral assemblage	10	0	10	0
Calcium hydrogen phosphate	13	0	13	0
Calcium carbonate	5.5	0	5.5	0
Potassium citrate	16.5	0	16.5	0
Compound vitamin	10	40	10	40
Choline Bitartrate	2	0	2	0
Total	1055	4057	773.8	4057
	gm%	kcal%	gm%	kcal%
Protein	19.2	20	26.2	20
Carbohydrate	67.3	70	26.3	20
Fat	4.3	10	34.9	60

Supplementary Table 5 : **List of primers**

Gene/bacterial	Forward(5-3')	Reverse(5-3')
16S ribosomal RNA(rRNA)	27F-AGAGTTTGATCMTGGCTCAG	1492R-CGGTTACCTTGTTACGACTT
16S ribosomal RNA(rRNA)	8F-AGAGTTTGATCCTGGCTCAG	336R-CTGCTGCCTCCCGTAGGAGT
Universal Bacterial	CGGCAACGAGCGCAACCC	CCATTGTAGCACGTGTGTAGCC
<i>Coriobacteriaceae</i>	AACGAGAAGCACCTCTTCGG	TCAACCCGGCTACCCATAGA
<i>Lactobacillus sp.</i>	AGCAGTAGGGAATCT TCCA	CACCGCTACACATGGAG
<i>Lactobacillus murinus</i>	CCAAGGCAATGATGCGTAGC	GTACTCCCCAGGCGGAATG
<i>Lactobacillus johnsonii</i>	ACTAGATACAAGCGAGCGGC	CCACCGCTACACATGGAGTT
MUC2	GGCTCGGAACTCCAGAAAGAA G	CTCGGCAGTCAGACGCAAAG
CPT1A	TTTGAATCGGCTCCTAATGG	CCCAAGTATCCACAGGGTCA
CPT1B	TTCAACACTACACGCATCCC	GCCCTCATAGAGCCAGACC
CPT1C	TATGCAGTCGCCCTTCT	ACATCAATCAGGTGTGTCTGCT
CPT2	AGCAGTGCTCTAAAGGCTGG	GTTGGGATCTTCCGCTCACA
CRAT	CTGTCTCTGGTTCAGGGAGC	CTTAGAAGAACTGCCCCGCCA
CROT	CGACGCAGAGGGACAAGAG	ACCACGAAGAAGTGCTCAGG
CACT	ATGTAGGTGAAAGGTCGGCG	ACAAGTTGGGGGCAATCCAA
OCTN2	TACGTGGCAGCATTGTGCCT	GAGAGATGAGCCATCGTGGG

Supplementary Table 6 **Metabolite profiling of the serum from HFD and CD-fed mice by LC-MS/MS**

Index	Compounds	VIP	Fold_Change	Log2FC
MEDN0005	L-Threonine	0.637956389	0.928033061	-0.107751892
MEDN0007	L-Arginine	0.068630606	0.996322355	-0.0053155
MEDN0010	L-Citrulline	1.100810759	0.827564635	-0.273056099
MEDN0011	L-Glutamic Acid	0.956852108	1.14339986	0.193330019
MEDN0013	L-Isoleucine	1.387085023	0.697660857	-0.519402202
MEDN0015	L-Phenylalanine	1.365210226	0.66818626	-0.581677777
MEDN0017	L-Pyroglutamic Acid	1.33532406	1.38490226	0.469784161
MEDN0018	L-Serine	1.198820798	0.647594071	-0.626838318
MEDN0025	3-Hydroxy-3-Methylpentane-1,5-Dioic Acid	0.396776962	1.032010454	0.045457585
MEDN0030	5-Hydroxy-L-Tryptophan	0.21895112	1.035171688	0.049870065
MEDN0032	Allantoin	0.769414277	1.128644373	0.174590976
MEDN0041	Hexanoyl Glycine	1.842832597	2.434903991	1.283864888
MEDN0042	L-Asparagine Anhydrous	1.152957926	0.624274537	-0.679747472
MEDN0047	L-Homocitrulline	1.983425212	0.718604161	-0.476730807
MEDN0052	N6-Acetyl-L-Lysine	0.26204892	1.03102006	0.044072403
MEDN0053	N-Acetylaspartate	1.339844767	1.418892278	0.504765065
MEDN0056	N-Acetyl-L-Leucine	0.586924349	0.911996995	-0.132899024
MEDN0057	N-Acetyl-L-Tyrosine	0.168589961	0.935108174	-0.096794828
MEDN0060	N-Isovaleroylglycine	0.419518247	0.918216318	-0.123094024
MEDN0061	N-Phenylacetyl glycine	0.969258911	0.685747209	-0.544251249
MEDN0063	N α -Acetyl-L-Arginine	1.596497668	1.266512694	0.340861537
MEDN0065	O-Phospho-L-Serine	1.619315536	0.829380281	-0.269894347
MEDN0066	Phenylacetyl-L-Glutamine	0.103688346	1.046303011	0.065300719

ne

MEDN0071	S-Sulfo-L-Cysteine	0.705528265	0.311050795	-1.684777902
MEDN0075	N-Acetylphenylalanine	1.168331549	0.618698455	-0.692691664
MEDN0085	Benzoylformic Acid	1.605428358	0.713895514	-0.486215159
MEDN0086	Terephthalic Acid	0.289037067	0.963106513	-0.054232736
MEDN0089	2,5-Dihydroxy Benzoic Acid	0.743270348	1.320947481	0.401573108
MEDN0090	2-Methoxybenzoic Acid	0.290617178	0.938228267	-0.091989128
MEDN0092	3,4-Dihydroxybenzeneacetic Acid	0.325047378	1.025437662	0.036239791
MEDN0093	3-Hydroxyanthranilic Acid	0.696741608	0.849688366	-0.234994284
MEDN0099	4-Pyridoxic Acid	0.360458344	0.928441097	-0.107117711
MEDN0105	Taurocholic Acid	0.23625367	0.551259293	-0.859197023
MEDN0106	Taurochenodesoxycholic Acid	1.066284761	0.05695372	-4.134066104
MEDN0109	Hododeoxycholic acid	0.969642894	1.737809575	0.797270004
MEDN0112	Glycocholic Acid	0.576146411	0.116604438	-3.100305394
MEDN0120	Dulcitol	1.760963462	0.693109874	-0.528844023
MEDN0132	Biotin	0.822646362	1.282355143	0.358795865
MEDN0140	Xanthine	0.136351588	1.749674744	0.807086757
MEDN0141	2'-Deoxyuridine	1.525760945	1.912365622	0.935358376
MEDN0145	5'-Deoxy-5'-(Methylthio) Adenosine	0.47990702	1.033146906	0.04704541
MEDN0146	5-Hydroxymethyluracil	1.147958634	1.274063602	0.349437299
MEDN0147	5-Methylcytosine	1.032506688	0.9218444	-0.11740484
MEDN0159	Flavin Adenine Dinucleotide	0.664572355	1.171005937	0.227748391
MEDN0165	Inosine 5'-Monophosphate	0.929081043	0.831596962	-0.266043607

MEDN0168	Thymidine	1.541067903	1.740469665	0.799476669
MEDN0198	Citric Acid	1.519620405	1.74736886	0.805184186
MEDN0201	Succinic Acid	0.589970762	1.051161914	0.071984909
MEDN0202	A-Ketoglutaric Acid	0.768991178	1.119407376	0.162735159
MEDN0204	Pyruvic Acid	0.494188877	0.925785397	-0.111250288
MEDN0206	Citramalic Acid	0.747090717	1.10417378	0.142967248
MEDN0211	D-Arabitol	1.517993835	1.675294006	0.744414304
MEDN0213	D-Sorbitol	0.390896329	0.957150942	-0.06318164
MEDN0220	D-Glucose	0.044476019	1.030224596	0.04295889
MEDN0224	D-Trehalose	0.4223453	1.01913156	0.027340301
MEDN0227	D-Glucose 6-Phosphate	0.483803659	0.939233922	-0.09044358
MEDN0229	Lactose	0.4223453	1.01913156	0.027340301
MEDN0230	Lactulose	0.4223453	1.01913156	0.027340301
MEDN0231	L-Fucose	1.165472058	0.736508996	-0.441224948
MEDN0232	L-Rhamnose	1.165472058	0.736508996	-0.441224948
MEDN0233	Maltose	0.4223453	1.01913156	0.027340301
MEDN0237	D-Glucuronic Acid	0.945594255	1.18876677	0.249465693
MEDN0238	D-Glyceric Acid	1.862134601	0.520182115	-0.942911299
MEDN0240	L-Gulonolactone	0.80117634	0.82251124	-0.281892701
MEDN0241	Vitamin D3	1.340547452	0.797487087	-0.326466936
MEDN0245	Pantothenate	0.870141891	0.764126105	-0.388117347
MEDN0250	Riboflavin	1.147587733	0.940684507	-0.088217152
MEDN0279	2-Aminoethanesulfinic Acid	0.780694827	1.18571234	0.245754048
MEDN0283	2-Hydroxybutanoic Acid	1.771145132	0.6019903	-0.732187854
MEDN0284	2-Hydroxyisocaproic Acid	0.530935108	0.867592584	-0.204910373
MEDN0285	2-Methylsuccinic Acid	0.147045637	0.931774784	-0.101946807

MEDN0290	3-Hydroxy-3-Methyl Butyric Acid	0.726980303	1.118553943	0.161634833
MEDN0292	3-Hydroxybutyrate	1.274178343	0.702257704	-0.509927549
MEDN0293	3-Hydroxypropanoic Acid	0.547005628	1.055573624	0.078027207
MEDN0294	3-Methylcrotonyl Glycine	0.426688242	1.093617567	0.129108323
MEDN0297	4-Hydroxy-2-Oxoglutaric Acid	0.627055009	0.902089722	-0.148657163
MEDN0298	4-Oxopentanoate	0.67598996	1.112033777	0.153200609
MEDN0299	Adipic Acid	0.007329551	0.983654384	-0.023776595
MEDN0300	Azelaic Acid	0.929223234	0.708646559	-0.49686184
MEDN0301	Caffeic Acid	0.242065997	0.883854467	-0.178119256
MEDN0304	Cinnamic Acid	1.086620001	0.650544987	-0.620279268
MEDN0305	Creatine	0.637150662	0.869421543	-0.201872251
MEDN0314	Glutaric Acid	0.147045637	0.931774784	-0.101946807
MEDN0316	Guanidinoethyl Sulfonate	0.921117782	1.136645114	0.184781883
MEDN0317	Hippuric Acid	0.277878884	0.881785266	-0.181500724
MEDN0319	4-Hydroxy-3-methoxyphenylacetic acid	0.136981381	0.985727298	-0.020739515
MEDN0320	Hydrocinnamic Acid	0.788479389	0.496155087	-1.01113695
MEDN0322	Kinurenine	0.045619689	1.009086477	0.013049816
MEDN0325	L-Lactic Acid	1.420800968	0.938771395	-0.091154212
MEDN0327	L-Dihydroorotic Acid	1.269849653	1.109556873	0.149983618
MEDN0328	L-Homoserine	0.637956389	0.928033061	-0.107751892
MEDN0333	Malonic acid	1.362969436	0.689487106	-0.536404523
MEDN0334	Mandelic Acid	0.263184082	1.199979094	0.263009272
MEDN0335	Methylmalonic Acid	0.589970762	1.051161914	0.071984909
MEDN0336	N'-Formylkynurenine	1.011526844	0.824579293	-0.278269862

MEDN0338	Phenyllactate(Pla)	1.262931278	0.610681224	-0.711508607
MEDN0339	Phenylpyruvic Acid	0.985766457	0.56042636	-0.835403279
MEDN0340	Pyrrole-2-Carboxylic Acid	1.693678189	0.609842727	-0.713490862
MEDN0341	Rosmarinic Acid	0.161030516	1.010588844	0.015196159
MEDN0342	Sebacate	1.361987428	1.965301053	0.974750328
MEDN0343	Shikimic Acid	0.319062054	1.247250523	0.318751274
MEDN0344	Subericacid	0.283850434	0.915848572	-0.126819014
MEDN0348	TXB2 [9 α ,11,15S-trihydroxyth romba-5Z,13E-dien-1-oi c acid]	0.24196111	1.046303545	0.065301455
MEDN0350	($\pm$)15-HETE [($\pm$)15-hydroxy-5Z,8Z,1 1Z,13E-eicosatetraenoi c acid]	1.302716904	0.675270317	-0.566462952
MEDN0360	Lysopg 18:1	0.281290878	1.047367625	0.066767915
MEDN0362	Lysope 18:1	1.117713078	1.195406147	0.257500867
MEDN0364	Lysope 18:0	0.468479017	0.922416967	-0.116509044
MEDN0366	Lysope 16:0	0.45618075	1.06454902	0.090242385
MEDN0368	Lysope 14:0	0.530285483	1.109741415	0.150223548
MEDN0370	Lysopa 18:0	0.798654513	0.836554665	-0.257468279
MEDN0372	Lysopa 16:0	0.403011011	1.073288884	0.10203844
MEDN0374	9-HpODE	1.597714976	0.43703408	-1.194182309
MEDN0375	13-HOTrE [13S-hydroxy-9Z,11E,15 Z-octadecatrienoic acid]	0.541743992	0.808320119	-0.307001338
MEDN0376	9,10-DiHOME [($\pm$)9,10-dihydroxy-12Z- octadecenoic acid]	1.683896904	0.418303677	-1.257377415

	γ-Linolenic			
MEDN0378	Acid(C18:3N6)	0.075981219	0.955630217	-0.065475623
MEDN0380	Palmitoleic Acid(C16:1)	0.435345306	1.078791618	0.109416217
	Hexadecanoic			
MEDN0381	Acid(C16:0)	0.519065331	0.897719398	-0.155663525
MEDN0383	Linoleic Acid(C18:2N6C)	0.592852754	1.098267727	0.135229786
MEDN0385	Dodecanoic Acid(C12:0)	0.497101885	0.945882508	-0.080267103
MEDN0388	Elaidic Acid(C18:1N9T)	0.648331929	0.86378991	-0.211247631
	EPA			
MEDN0390	[5Z,8Z,11Z,14Z,17Z-eicosapentaenoic acid]	0.364382529	1.120287844	0.163869462
	DHA			
MEDN0391	[4Z,7Z,10Z,13Z,16Z,19Z-docosahexaenoic acid]	1.101474598	1.298934713	0.377328919
	Cis-11,14,17-Eicosatrienoic Acid(C20:3)			
MEDN0395		0.618099797	1.026366415	0.037545868
	AA			
MEDN0398	[5Z,8Z,11Z,14Z-eicosatetraenoic acid]	0.547750119	1.166408184	0.222072747
MEDN0399	Arachidic Acid(C20:0)	0.345259416	0.870302706	-0.200410812
	Α-Linolenic			
MEDN0400	Acid(C18:3N3)	0.075981219	0.955630217	-0.065475623
MEDN0412	Biopterin	1.176975625	1.362711963	0.446480651
MEDN0413	Ethylmalonate	0.147045637	0.931774784	-0.101946807
MEDN0416	Ureidoisobutyric Acid	0.818585704	1.260797845	0.334336974
MEDN0417	(Rs)-Mevalonic Acid	0.607678215	0.877814103	-0.188012646
MEDN0428	N6-Succinyl Adenosine	0.185763843	1.023045216	0.032869911
	2-(Dimethylamino)Guanosine			
MEDN0431		1.457582434	1.490196579	0.575502656
	5-Hydroxyhexanoic			
MEDN0432	Acid	0.094423392	1.007804534	0.011215852

MEDN0434	B-Pseudouridine	0.895924558	1.176613584	0.234640597
MEDN0439	N-Acetylthreonine	0.324431292	0.953714178	-0.06837113
MEDN0444	Hypoxanthine-9- β -D-Arabinofuranoside	0.03033108	0.672069691	-0.573317252
MEDN0452	2'-Deoxycytidine-5'-Monophosphate	1.070947914	1.418522739	0.504389277
MEDN0461	D-Sedoheptulose 7-Phosphate	0.271642948	1.007682308	0.011040872
MEDN0463	D-Fructose 6-Phosphate-Disodium Salt	1.255511584	0.64075807	-0.642148352
MEDN0470	Oxoadipic Acid	1.496451825	1.280342447	0.356529733
MEDN0478	Aminomalonic Acid	0.579207577	1.04226497	0.059722094
MEDN0481	2,4-Dihydroxy Benzoic Acid	0.743270348	1.320947481	0.401573108
MEDN0483	3-Methyl-2-Oxobutanoinic Acid	0.67598996	1.112033777	0.153200609
MEDN0485	D-Fructose-1,6-Biphosphate-Trisodium Salt	0.520533528	0.87355099	-0.195036177
MEDN0491	9-HOTrE [9S-hydroxy-10E,12Z,15Z-octadecatrienoic acid]	1.824261825	0.418951872	-1.255143574
MEDN0494	8,15-Dihete	0.465274499	1.066285736	0.092594093
MEDN0496	N-Acetylmethionine	0.491400111	0.941731293	-0.086612624
MEDN0498	Ribulose-5-Phosphate	0.316931963	0.938344734	-0.09181005
MEDN0499	Argininosuccinic acid	1.455487148	1.700225422	0.765726037
MEDN0501	Acetyl Tryptophan	0.094801743	1.00174223	0.002511319
MEDN0502	2-Deoxyribose 1-Phosphate	0.347497849	0.953651714	-0.068465623
MEDN0506	N-Acetylglucosamine 1-Phosphate	0.564459752	1.072654504	0.101185467

MEDN0523	Indolelactic acid	0.594025065	1.148861517	0.200204907
	(3-Methoxy-4-hydroxyphenyl)ethylene glycol			
MEDN0528	sulfate	0.189371414	0.954802482	-0.066725778
MEDN0530	Pimelic acid	0.447632263	0.87187815	-0.197801572
MEDN0533	Xanthosine	1.24336741	1.319578777	0.40007748
MEDN0536	estrone 3-sulfate	1.059915303	0.615168296	-0.700946942
	13,14-dihydro-15-keto-			
MEDN0546	PGD2	0.878644365	0.387198674	-1.368854084
MEDN0551	Indoleacrylic acid	0.76011013	1.073789643	0.102711395
	Hydroxyphenyllactic			
MEDN0555	acid	0.549980306	0.877340579	-0.188791096
MEDN0556	Cinnamoylglycine	1.70730365	1.395258354	0.480532285
	N-Acetylaspartylglutam			
MEDN0561	ic acid	1.064257848	1.441186611	0.527257154
MEDN0568	2-Methylguanosine	1.327630371	1.416663333	0.502496946
MEDN0570	L-Erythrulose	0.313347144	1.028920851	0.041132008
MEDN0579	N-lactoyl-phenylalanine	1.633582505	0.462422243	-1.112717301
MEDN0581	Imidazoleacetic acid	0.760101584	0.788959452	-0.34197694
MEDN0588	Glycerol 3-phosphate	1.131127486	1.363949269	0.447789986
MEDN0593	D-Malic acid	1.436170333	1.476946436	0.562617506
	(E)-3-(3-hydroxyphenyl)			
MEDN0594	prop-2-enoic acid	1.778331726	0.267131292	-1.90437911
MEDN0604	Tetradecanedioic acid	0.711389581	0.741783786	-0.430929361
MEDN0606	5-Methoxytryptophol	0.290554719	0.961344833	-0.056874079
	6 β -hydroxytestosteron			
MEDN0611	e	0.184601237	1.007939327	0.011408799
MEDN0615	Carbamoyl phosphate	0.527841457	1.082401532	0.114235787
MEDN0616	O-Acetyl-L-serine	0.632111717	1.116609041	0.159124142
MEDN0621	Indoxylsulfuric acid	1.134366841	0.680102015	-0.556176928

MEDN0623	Salicyluric acid	0.273407399	1.091832451	0.126751483
MEDN0632	N-Oleoyl Glycine	0.38006194	0.957452318	-0.062727453
MEDN0651	Succinic anhydride	1.694625208	1.250421476	0.322414462
MEDN0656	Indoleacetaldehyde	1.074488761	0.879220077	-0.185703765
MEDN0657	D-Xylulose 5-phosphate	0.316931963	0.938344734	-0.09181005
MEDN0658	Hexadecanedioic acid	0.381939416	0.800088879	-0.321767823
MEDN0661	2-hydroxy-2-(4-hydroxy-3-methoxyphenyl)acetic acid	1.831090364	1.693242904	0.759788949
MEDN0662	Gamma-Glu-Leu	1.397284051	1.315437934	0.39554318
MEDN0673	Isopropyl myristate	0.870958032	1.040706329	0.05756302
MEDN0678	Ethylsalicylate	0.463719281	0.935138189	-0.096748522
MEDN0679	3-Hydroxy-2-methyl-4H-pyran-4-one	0.06868234	0.907482694	-0.140057964
MEDN0682	Octadecanamide	0.257238655	1.036510711	0.051735026
MEDN0691	Maltitol	1.543414292	0.582180767	-0.780460917
MEDN0704	Oxaloacetic acid	0.652736131	0.850216975	-0.234097032
MEDN0720	N-(2-Methylbenzoyl)glycine	0.969258911	0.685747209	-0.544251249
MEDN0725	2,4-Hexadienoic acid	1.930729385	0.598841361	-0.739754225
MEDN0729	Phenoxyacetic acid	0.767079764	0.845254309	-0.242542628
MEDN0732	Ricinoleic acid	1.820278806	0.467286692	-1.097620144
MEDN0736	2-(Methylthio)ethanol	0.282614282	1.028504034	0.040547452
MEDN0741	Methanesulfonic acid	1.041741401	0.804197413	-0.3143784
MEDN0745	Propylparaben	0.490055472	0.948514231	-0.076258676
MEDN0746	Butylparaben	0.01761938	0.983677119	-0.02374325
MEDN0748	Methylparaben	1.287877444	1.540182936	0.623101718
MEDN0750	(±)12-HEPE [(±)-12-hydroxy-5Z,8Z,10E,14Z,17Z-eicosapenta	1.044100666	1.48918062	0.574518747

	enoic acid]			
	(±)12-HETE			
	[(±)12-hydroxy-5Z,8Z,10E,14Z-eicosatetraenoic acid]			
MEDN0751		0.124176555	0.983444419	-0.024084576
	(±)15-HEPE			
	[(±)-15-hydroxy-5Z,8Z,11Z,13E,17Z-eicosapentaenoic acid]			
MEDN0752		1.044100666	1.48918062	0.574518747
	(±)16-HETE			
	[(±)16-hydroxy-5Z,8Z,11Z,14Z-eicosatetraenoic acid]			
MEDN0753		0.175196137	0.967784966	-0.047241568
	(±)17-HDHA			
	[(±)17-hydroxy-4Z,7Z,10Z,13Z,15E,19Z-docosahexaenoic acid]			
MEDN0754		1.115730107	1.563904729	0.645152628
	(±)17-HETE			
	[(±)17-hydroxy-5Z,8Z,11Z,14Z-eicosatetraenoic acid]			
MEDN0755		0.247162165	0.955981192	-0.064945861
	(±)18-HEPE			
	[(±)-18-hydroxy-5Z,8Z,11Z,14Z,16E-eicosapentaenoic acid]			
MEDN0756		1.044100666	1.48918062	0.574518747
	(±)18-HETE			
	[(±)18-hydroxy-5Z,8Z,11Z,14Z-eicosatetraenoic acid]			
MEDN0757		0.247162165	0.955981192	-0.064945861
	(±)4-HDHA			
	[(±)4-hydroxy-5E,7Z,10Z,13Z,16Z,19Z-docosahexaenoic acid]			
MEDN0758		0.494035494	1.133837973	0.181214492
	(±)5-HEPE			
	[(±)-5-hydroxy-6E,8Z,11Z,14Z,17Z-eicosapentaenoic acid]			
MEDN0759		1.105379522	0.631724448	-0.662632689

	noic acid]			
	(±)5-HETE			
	[(±)5-hydroxy-6E,8Z,11Z,14Z-eicosatetraenoic acid]			
MEDN0760		0.366879996	0.907203877	-0.14050129
	(±)9-HETE			
	[(±)-9-hydroxy-5Z,7E,11Z,14Z-eicosatetraenoic acid]			
MEDN0763		0.366879996	0.907203877	-0.14050129
	11,12-EET			
	[(±)11,(12)-epoxy-5Z,8Z,14Z-eicosatrienoic acid]			
MEDN0765		0.446451017	0.914694214	-0.12863857
	12,13-EpOME			
	[(±)12(13)epoxy-9Z-octadecenoic acid]			
MEDN0767		1.786195346	0.228249185	-2.131318389
	13-oxoODE			
	[13-oxo-9Z,11E-octadecadienoic acid]			
MEDN0768		1.8572583	0.514797783	-0.957922254
	14(S)-HDHA			
	[14S-hydroxy-4Z,7Z,10Z,12E,16Z,19Z-docosahexaenoic acid]			
MEDN0769		1.277907159	1.612503612	0.689302392
	5,6-DiHETrE			
	[(±)5,6-dihydroxy-8Z,11Z,14Z-eicosatrienoic acid]			
MEDN0777		1.309587285	0.663199388	-0.59248542
	8,9-EET			
	[(±)8,9-epoxy-5Z,11Z,14Z-eicosatrienoic acid]			
MEDN0782		0.610055241	0.996987298	-0.004352971
	9,10-EpOME			
	[(±)9,10-epoxy-12Z-octadecenoic acid]			
MEDN0783		1.786195346	0.228249185	-2.131318389
	9-oxoODE			
	[9-oxo-10E,12Z-octadecadienoic acid]			
MEDN0784		2.042364449	0.368457454	-1.440430053

MEDN0793	Prostaglandin E2	0.616032934	1.098753611	0.135867906
	PGF2 α			
	[9 α ,11 α ,15S-trihydroxy			
	-prosta-5Z,13E-dien-1-o			
MEDN0795	ic acid]	0.449549376	1.10710172	0.146787782
MEDN0806	N α -Acetyl-L-glutamine	0.140626922	1.060777762	0.085122437
MEDN0807	Myristic acid	0.872897324	0.808961724	-0.305856652
MEDN0808	Myoinositol	0.575459368	0.949253513	-0.075134662
MEDN0816	4-Hydroxyhippurate	0.227422427	1.067228195	0.093868687
MEDN0818	N-acetyl-beta-alanine	0.377355951	1.036506333	0.051728931
MEDN0827	N-acetylornithine	0.183928242	0.971905533	-0.041112001
MEDN0837	N-Methyl-L-Glutamate	1.84755095	1.353657065	0.436862294
MEDN0841	3-Ureidopropionate	0.747933537	0.868229971	-0.20385087
MEDN0843	N-Amidino-L-Aspartate	0.47246599	1.052037196	0.073185714
MEDN0846	Lumichrome	0.196309239	1.001342464	0.001935467
MEDN0849	Cortisol 21-Acetate	0.203518517	0.994816576	-0.007497548
MEDN0851	Indole-3-Pyruvic Acid	0.822029664	0.794010706	-0.332769634
MEDN0854	Mono-Methyl Glutarate	0.347647863	1.041982485	0.059331027
MEDN1003	Inosine	0.03033108	0.672069691	-0.573317252
MEDN1005	Phosphoenolpyruvate	0.152567948	0.996354408	-0.005269088
	3-hydroxyphenylacetic			
MEDN1009	acid	1.525330025	0.62682937	-0.673855316
MEDN1024	D-piperidine acid	1.376672032	1.380184	0.464860613
MEDN1035	13(R)-HODE	1.298486703	0.657971496	-0.603903009
	D-Calcium			
MEDN1055	Pantothenate	0.736338805	0.54107218	-0.88610703
MEDN1056	Iminodiacetic acid	0.860281664	1.143187182	0.193061646
MEDN1059	Taurodeoxycholic acid	0.949289412	0.024953866	-5.324592829
	Homo-Gamma-Linoleni			
MEDN1063	c Acid	0.082773446	0.968033475	-0.046871157

MEDN1069	9,12-octadecadienoic acid	0.938808693	0.656054744	-0.608111891
MEDN1077	Alpha-Mercholic Acid	1.44354359	2.352449359	1.234163666
MEDN1078	Cis-9,10-epoxystearic acid	1.513749497	0.401858449	-1.31524068
	(4E,7E,10Z,13E,16E,19E)			
MEDN1079	-docosa-4,7,10,13,16,19-hexanoic acid	1.101474598	1.298934713	0.377328919
MEDN1081	12,13-DiHOME	1.683896904	0.418303677	-1.257377415
MEDN1085	Glutathione	1.39694435	1.342119264	0.424512879
MEDN1104	7-ketolithocholic acid	0.132047233	0.477030494	-1.067846602
MEDN1108	1,6-anhydro-β-D-glucose	0.269435347	0.972472033	-0.040271334
MEDN1112	16-Hydroxyhexadecanoic acid	0.746349771	0.910970161	-0.134524295
MEDN1113	12-ketolithocholic acid	0.132047233	0.477030494	-1.067846602
MEDN1126	Gamma-Mercholic Acid	1.38164736	1.707093385	0.771541982
MEDN1129	Erythrose	0.313347144	1.028920851	0.041132008
MEDN1141	Orthocholic acid	0.133929435	0.468449635	-1.094034149
MEDN1156	8,11-icosadienoic acid	0.612577594	0.839115862	-0.253058068
MEDN1159	cis-1-Pentadecenoic Acid(C15: 1)	0.966655227	1.069418911	0.096827093
MEDN1167	4-hydroxybenzoic acid	0.492855237	0.876521789	-0.19013814
MEDN1264	PysoPE 22:4(2n isomer1)	0.615623733	0.80152913	-0.319173142
MEDN1265	PysoPE 22:4	0.615623733	0.80152913	-0.319173142
MEDN1266	PysoPE 22:5(2n isomer3)	0.444659515	0.804603971	-0.313649236
MEDN1267	PysoPE 22:5(2n isomer2)	0.444659515	0.804603971	-0.313649236

MEDN1268	PysoPE 22:5(2n isomer1)	0.444659515	0.804603971	-0.313649236
MEDN1269	PysoPE 22:6(2n isomer1)	0.418795541	1.073966759	0.10294934
MEDN1270	PysoPE 22:6	0.418795541	1.073966759	0.10294934
MEDN1271	PysoPE 20:2(2n isomer1)	1.905032238	1.78112713	0.832790494
MEDN1272	PysoPE 20:2	1.905032238	1.78112713	0.832790494
MEDN1273	PysoPE 20:3(2n isomer1)	1.139832374	1.395628735	0.480915207
MEDN1274	PysoPE 20:3	1.139832374	1.395628735	0.480915207
MEDN1276	PysoPE 20:4(2n isomer1)	0.243640786	1.030742011	0.043683279
MEDN1277	PysoPE 20:5(2n isomer1)	1.185529478	1.282649245	0.359126703
MEDN1278	PysoPE 20:5	1.185529478	1.282649245	0.359126703
MEDN1279	PysoPE 18:0(2n isomer)	0.468479017	0.922416967	-0.116509044
MEDN1282	PysoPE 18:2	0.025361799	1.003972991	0.005720459
MEDN1283	PysoPE 18:3(2n isomer)	0.047337254	1.007790354	0.011195553
MEDN1284	PysoPE 18:3	0.12269638	0.976473424	-0.034347316
MEDN1285	PysoPE 16:0(2n isomer)	0.45618075	1.06454902	0.090242385
MEDN1287	PysoPE 16:1	1.58454665	1.621581195	0.697401263
MEDN1295	15-methyl palmitic acid	1.650633596	0.531884885	-0.910814056
MEDP0002	D-Homocysteine	0.489443046	0.840556298	-0.250583644
MEDP0006	Glycine	0.52838423	1.042441356	0.059966225
MEDP0007	L-Cystine	0.751561946	1.069914473	0.097495475
MEDP0009	L-Tyrosine	0.959043161	0.910249439	-0.135666149
MEDP0011	L-Lysine	0.963821403	1.095465579	0.131544153
MEDP0012	L-Ornithine	0.356567892	0.932710153	-0.100499273
MEDP0013	L-Alanine	0.489154431	0.726201866	-0.461557457

MEDP0014	L-Aspartic Acid	0.071310782	1.011609083	0.016651896
MEDP0017	L-Histidine	1.394786134	0.626159767	-0.675397281
MEDP0020	L-Methionine	1.770728726	0.773186289	-0.371112041
MEDP0022	L-Proline	0.856136112	0.856436721	-0.223581441
MEDP0025	L-Tryptophan	1.114474952	0.856278345	-0.223848253
MEDP0026	L-Valine	1.214843137	0.817212071	-0.29121758
MEDP0028	(5-L-Glutamyl)-L-Amino Acid	0.649713312	1.095371299	0.131419985
MEDP0034	3-N-Methyl-L-Histidine	0.348141101	0.958743223	-0.06078362
MEDP0036	5-Oxoproline	1.882002252	1.817353552	0.861839112
MEDP0037	Asp-phe	1.696903283	0.50706693	-0.979751908
MEDP0039	Betaine	1.112177567	1.228531543	0.2969349
MEDP0043	Glutathione Oxidized	1.320020886	1.268495167	0.343118023
MEDP0044	Glutathione Reducedform	0.501045993	0.744914503	-0.424853244
MEDP0047	Histamine	1.529017432	0.681866931	-0.552437875
MEDP0050	L-Carnosine	0.025985582	1.035930341	0.050926996
MEDP0051	L-Cystathionine	0.72255471	0.912370687	-0.132308
MEDP0053	L-Dopa	1.652502019	0.594673418	-0.749830507
MEDP0054	L-Glutamine	0.562177816	1.048152607	0.067848783
MEDP0058	L-Saccharopine	1.769538456	1.175210853	0.232919624
MEDP0060	Methionine Sulfoxide	1.398654915	1.201610837	0.264969729
MEDP0061	N,N-Dimethylglycine	0.495642718	1.044844616	0.063288409
MEDP0065	N-Acetyl-L-Glutamic Acid	0.910908225	0.934885831	-0.097137902
MEDP0067	N-Acetylmannosamine	1.515746211	1.269093659	0.343798544
MEDP0071	N-Glycyl-L-Leucine	1.423527199	1.346361311	0.429065625
MEDP0074	N-Propionylglycine	1.1103983	1.471539527	0.557326295
MEDP0079	S-(5-Adenosy)-L-Homoc	1.482432531	0.700718558	-0.513092989

	ysteine			
MEDP0081	Serotonin	0.788477343	0.887294114	-0.172515697
MEDP0083	Trans-4-Hydroxy-L-Proline	0.464164993	0.955750427	-0.065294156
MEDP0084	Trimethylamine N-Oxide	1.528978303	1.563861528	0.645112775
MEDP0086	Urea	1.2566715	0.881369078	-0.182181813
MEDP0087	L-Alanyl-L-Lysine	1.556304259	1.463774225	0.549693047
MEDP0089	N-Acetylhistamine	0.043244245	1.017108383	0.024473421
MEDP0101	P-Coumaric Acid	1.01960673	0.811641941	-0.301084677
MEDP0111	3-(4-Hydroxyphenyl)-Propionic Acid	1.197350282	0.779382007	-0.359597469
MEDP0115	1,4-Dihydro-1-Methyl-4-Oxo-3-Pyridinecarboxamide	0.401608199	1.085159061	0.117906526
MEDP0120	Theobromine	0.615314488	1.476995046	0.562664988
MEDP0125	Choline	0.173143746	1.01365306	0.01956395
MEDP0145	1,7-Dimethylxanthine	1.211592182	0.736235338	-0.441761097
MEDP0147	1-Methylhistidine	0.913167417	0.767152037	-0.382415571
MEDP0151	2-Hydroxy-6-Aminopurine	1.294719374	0.77464895	-0.368385427
MEDP0152	3'-Aenylic Acid	0.392777455	0.925378529	-0.111884469
MEDP0156	5-Methyluridine	0.505085354	0.946409565	-0.079463441
MEDP0157	7-Methylxanthine	0.246198476	1.023061099	0.032892308
MEDP0159	Adenine	0.730204797	0.861887753	-0.214428101
MEDP0160	Adenosine	0.576783429	0.906620439	-0.141429409
MEDP0161	Adenosine 5'-Diphosphate	1.505945429	0.534337329	-0.904177286
MEDP0163	Cytidine	0.754691026	1.26791441	0.34245736
MEDP0164	Cytidine-5-Monophosphate	1.008460639	1.072993742	0.101641662

	hate			
MEDP0165	Cytosine	0.372045533	1.050056527	0.070466994
MEDP0167	Guanosine	0.804860493	0.326155225	-1.616369355
MEDP0174	Purine	1.046353162	0.900613623	-0.151019794
MEDP0177	Thymine	1.416469098	1.675304869	0.744423658
MEDP0178	Uracil	1.489357253	1.538454282	0.621481572
MEDP0179	Uridine	1.518942754	1.29367594	0.371476274
	3,3',5-Triiodo-L-Thyroni			
MEDP0184	ne	0.861541071	1.294258926	0.372126268
MEDP0186	L-Thyroxine	1.644284608	1.425916902	0.511889909
MEDP0188	Norepinephrine	1.123824711	0.780736171	-0.357092985
MEDP0214	Tryptamine	1.417900674	0.825105741	-0.277349076
MEDP0218	D-Mannitol	1.459136038	0.687571008	-0.540419381
MEDP0224	D-Fructose	0.484592036	0.94502129	-0.081581263
MEDP0227	D-Mannose	0.738060444	0.896365263	-0.157841355
MEDP0228	D-Melezitose	0.426561184	1.09318687	0.128540038
	N-Acetyl-D-Glucosamin			
MEDP0232	e	1.515746211	1.269093659	0.343798544
MEDP0241	Orotic Acid	1.561871051	1.738557487	0.797890772
MEDP0242	Nicotinamide	1.567434503	0.736460101	-0.441320729
MEDP0243	4-Oxoretinol	0.448157031	1.063901007	0.089363918
	All-Trans-13,14-Dihydro			
MEDP0244	retinol	1.307247593	0.602073455	-0.731988584
MEDP0245	Nicotinamide-N-Oxide	0.280121586	0.925322168	-0.111972342
MEDP0246	Nicotinic Acid	0.877306936	0.841247819	-0.249397235
MEDP0251	Trigonelline	1.720245399	0.709240828	-0.495652506
MEDP0271	3-Indolepropionic Acid	1.567573294	0.516400051	-0.953438952
	5-Hydroxyindole-3-Acet			
MEDP0272	ic Acid	1.635258588	0.328152817	-1.607560276

MEDP0275	Indole-3-Acetic Acid	1.0967152	0.851963007	-0.231137306
MEDP0287	2-Aminoethanesulfonic Acid	0.263735512	0.960845056	-0.057624291
MEDP0289	3,4,5-Trimethoxycinnamic Acid	0.285204354	0.769594743	-0.377829151
MEDP0296	4-Guanidinobutyric Acid	1.051861309	0.820017445	-0.286273493
MEDP0297	5-Aminovaleric Acid	0.230260032	1.257260178	0.330283233
MEDP0298	6-Aminocaproic Acid	1.152271508	0.900140662	-0.151777631
MEDP0299	7-Methyluric Acid	0.466811173	0.973078391	-0.039372061
MEDP0305	Creatinine	0.270424615	0.944724418	-0.082034548
MEDP0307	DL-2-Aminooctanoic Acid	0.06830848	0.913024917	-0.131273862
MEDP0308	Dodecanedioic Acid	1.03467844	0.83778436	-0.255349142
MEDP0313	Guanidineacetic Acid	0.566593961	1.439953066	0.526021789
MEDP0319	Kynurenic Acid	0.024279255	0.943563424	-0.0838086
MEDP0325	Maleic Acid	0.943240792	0.819704074	-0.286824927
MEDP0333	Uric acid	1.007401477	0.89855896	-0.154314923
MEDP0336	Lysopc 14:0	0.390451975	1.047406287	0.066821169
MEDP0338	Lysopc 16:0	0.319396506	1.023744737	0.033856036
MEDP0340	Lysopc 16:1	1.113427946	1.183757938	0.2433741
MEDP0342	Lysopc 18:0	0.196310474	0.976858665	-0.033778251
MEDP0344	Lysopc 18:1	0.69281853	1.10656715	0.146091001
MEDP0346	Lysopc 18:2	0.414139416	1.017107478	0.024472138
MEDP0350	Lysopc 20:1	1.260869637	1.220098882	0.286998075
MEDP0352	Lysopc 20:2	1.573593526	1.337845325	0.419911328
MEDP0357	Urocanic Acid	0.876868609	0.798674432	-0.324320565
MEDP0365	Cotinine N-Oxide	1.54816384	1.322251968	0.402997123
MEDP0368	Taurocholic Acid	0.614800239	0.973076355	-0.039375081

	Sodium Salt Hydrate			
	2-(Formylamino)Benzoic Acid			
MEDP0370		1.31866991	0.605646801	-0.723451402
	Uridine			
MEDP0372	5-Monophosphate	0.989206004	1.32001313	0.40055228
MEDP0373	N-Acetylglycine	0.712823759	1.108055712	0.148030421
MEDP0379	3-Hydroxyhippuric Acid	0.280166179	1.088556984	0.122416932
MEDP0381	7-Methylguanine	0.569576992	0.855078051	-0.225871981
MEDP0387	L-Homoarginine	0.222558865	1.019388051	0.027703348
MEDP0389	Pantetheine	0.805720888	0.929898066	-0.104855516
MEDP0395	DL-Pipecolic Acid	1.888181598	1.789679343	0.839701122
MEDP0403	Deoxycytidine	0.650934935	0.93003329	-0.104645737
MEDP0408	11-Cis-Retinol	1.316535876	1.35822163	0.441718913
MEDP0429	Punicic Acid	1.491867811	0.631429946	-0.663305413
MEDP0430	2-Aminoadipic Acid	1.752465769	1.200566151	0.263714898
MEDP0434	Lysopc 17:0	0.067740848	1.002959714	0.004263658
	6-Methylmercaptopurine			
MEDP0435		1.404029651	0.957641599	-0.062442271
MEDP0438	N-Formylmethionine	0.644668835	0.895704664	-0.158904977
MEDP0441	N-Caffeoyl Putrescine	0.156048862	0.996445055	-0.005137839
	Sn-Glycero-3-Phosphocholine			
MEDP0442		0.908260449	1.20344068	0.26716503
MEDP0453	Indole	1.182805385	0.847840645	-0.238134965
MEDP0455	Dihydrojasmane	1.215153827	0.781546454	-0.355596467
MEDP0457	5-Aminolevulinate	0.787765386	0.901792616	-0.149132398
MEDP0494	Lysopc 15:0	1.228800965	1.322836339	0.403634582
	Lysopc 18:2 (2N Isomer)			
MEDP0495		0.414139416	1.017107478	0.024472138
MEDP0498	Lysopc 18:3	0.317680261	1.014494839	0.020761526

MEDP0507	2-Hydroxycinnamic acid	1.01960673	0.811641941	-0.301084677
MEDP0509	trans-3-Indoleacrylic acid	1.102323556	0.774923614	-0.367873987
MEDP0510	Acetyl-L-carnitine	0.185017373	0.996082135	-0.005663387
MEDP0511	Jasmonic acid	0.347363065	1.058822905	0.082461309
MEDP0514	Thiamine	0.981477546	0.726647288	-0.460672839
MEDP0518	DL-Stachydrine	1.780155192	1.372087984	0.456372996
MEDP0519	L-Norleucine	1.062773156	0.844768308	-0.243372384
MEDP0523	DL-Carnitine	0.68285406	0.92291693	-0.115727295
MEDP0525	N-Acetyl-L-alanine	1.457621909	0.813448711	-0.29787671
MEDP0528	5-Aminosalicylic Acid	0.08029871	0.985184829	-0.021533683
MEDP0529	Indole-3-acetamide	0.16914488	0.934027688	-0.098462777
MEDP0530	15-deoxy- δ -12,14-PGJ2	1.157779493	0.84689355	-0.239747453
MEDP0535	Triethyl phosphate	0.278352727	1.00425249	0.006122038
MEDP0540	7,8-dihydro-L-Biopterin	1.760834206	1.549153024	0.631479659
MEDP0550	18-Hydroxycorticosterone	0.693698334	1.154143213	0.206822253
MEDP0560	Dihydrouracil	0.247955002	0.814409748	-0.296173265
MEDP0575	5-amino-1-[3,4-dihydroxy-5-(hydroxymethyl)oxolan-2-yl]imidazole-4-carboxamide	0.324899304	1.170291712	0.226868187
MEDP0577	Isobutyryl carnitine	0.232432698	0.835287247	-0.259655684
MEDP0584	Pterine	0.625461324	0.844054031	-0.244592741
MEDP0585	Stearidonic Acid	1.222860627	1.144559315	0.19479223
MEDP0587	N-Alpha-acetyllysine	0.695504812	0.872193768	-0.197279412
MEDP0611	N-Acetyl-L-Histidine	0.748707819	1.286681926	0.363655457
MEDP0618	2-Methylbutyrylcarnitine	0.044019079	0.896654767	-0.157375474
MEDP0627	Isonicotinic acid	1.480684903	0.735042367	-0.444100687

MEDP0637	L-phenylalanyl-L-proline	1.168592118	1.343167154	0.425638856
MEDP0638	LysoPE(16:1(9Z)/0:0)	1.385222001	1.520932815	0.604956426
MEDP0654	2-Phenylacetamide	0.378343292	0.95582781	-0.065177351
MEDP0658	Ethyl dodecanoate	0.240322598	1.049815697	0.070136074
MEDP0677	Butylamine	0.110470598	0.946171967	-0.079825677
MEDP0685	Methylcysteine	0.863449948	0.820121061	-0.286091209
MEDP0692	Triethylamine	0.752687359	0.868992163	-0.202584928
MEDP0695	Methyl tetradecanoate	0.292683691	0.943824798	-0.083409018
MEDP0729	Barbituric acid	0.070866692	0.953644567	-0.068476436
MEDP0765	3-(Methylthio)-1-propanol	0.331701032	1.153880175	0.206493415
MEDP0777	Diethyl malonate	0.537621258	0.951156913	-0.072244732
MEDP0789	2-Pentyl-3-phenyl-2-propenal	1.275620889	0.816860982	-0.291837522
MEDP0792	Pyrrolidine	1.385466424	0.766751017	-0.38316992
MEDP0821	6-Methylnicotinamide	0.068554	0.818396179	-0.289128686
MEDP0831	1-Aminopropan-2-ol	1.528978303	1.563861528	0.645112775
MEDP0859	Glycylphenylalanine	1.131695603	1.394086855	0.479320448
MEDP0868	N-Methylalanine	0.495642718	1.044844616	0.063288409
MEDP0879	N-Methyl-D-Aspartic Acid	0.294453745	0.976281638	-0.034630699
MEDP0881	Phosphocholine	1.767601314	1.199212087	0.26208683
MEDP0885	Mesoxalate	0.443413934	0.962887575	-0.054560733
MEDP0888	2'-Deoxycytidine 5'-Diphosphate	0.617873601	1.167864966	0.223873473
MEDP0889	Cortisol	1.24846236	0.396187768	-1.335743758
MEDP0891	L-Tryptophanamide	0.809394737	0.954545455	-0.067114196
MEDP0894	3-Methoxytyramine	0.481104508	1.056715862	0.079587506

MEDP0898	Pyridoxal	1.116185128	0.75958844	-0.396710146
MEDP1001	Delta-Hexalactone	0.871885502	1.118080885	0.161024561
MEDP1005	β -Alanine	0.489154431	0.726201866	-0.461557457
MEDP1015	5,6-Dihydroxyindole-2-Carboxylic Acid	1.310008192	1.309421993	0.388930115
MEDP1040	N-(2-hydroxyethyl)stearamide	0.301454554	0.900363823	-0.151420005
MEDP1045	Biliverdin	1.507551169	1.451183702	0.537230158
MEDP1063	Indole-5-carboxylic acid	0.121616335	0.955428571	-0.065780075
MEDP1068	1,2-dioctanoyl PC	1.35704996	1.473745145	0.559487061
MEDP1070	Glycyl-L-valine	0.863814838	1.252562189	0.324882234
MEDP1084	Dodecylcarnitine	2.02021453	1.358243302	0.441741933
MEDP1096	1,2-dodecanoyl PC	1.536352275	1.347230752	0.429996975
MEDP1102	Decanoyl L-Carnitine	1.471225399	1.257668313	0.330751488
MEDP1106	Lithocholic acid	0.974593034	0.317281806	-1.6561633
MEDP1117	7,12-diketocholic acid	1.149174644	1.065098604	0.090986998
MEDP1121	3-Methacrylic acid	0.293326241	0.945657755	-0.080609945
MEDP1131	Arachidyl glycine	0.35336722	0.912253715	-0.132492973
MEDP1146	Hemolytic PAF C-18	1.306041464	0.757274644	-0.401111472
MEDP1148	Leukotriene E4	0.218278579	0.840413099	-0.250829446
MEDP1160	PE (18: 1 (9Z) / 0: 0)	0.958959558	1.109316748	0.149671364
MEDP1161	Creatine phosphate	1.439118442	1.209171661	0.274019073
MEDP1163	Palmitoyl-EA	1.857663666	1.561975254	0.643371597
MEDP1165	2-O-ethyl PAF C-16	1.306041464	0.757274644	-0.401111472
MEDP1166	1-O-palmitoyl-2-O-acetyl-sn-glycerol-3-phosphate choline	1.665739322	1.483104745	0.568620493
MEDP1179	($\pm$)-Myristylcarnitine	1.960367549	1.63667297	0.71076608
MEDP1221	2-O-methyl PAF C-16	0.574701658	1.078412206	0.108908731

MEDP1274	(4Z, 7Z, 10Z, 13Z, 16Z, 19Z) -Eicosahexaenoate	0.993048122	0.252700309	-1.984500666
MEDP1289	Hexanoylcarnitine	0.803408722	1.129347186	0.175489071
MEDP1316	MAG(16:1)isomer	1.289836216	0.81632211	-0.292789561
MEDP1317	MAG(16:1)	1.289836216	0.81632211	-0.292789561
MEDP1318	LysoPC 22:4 (2n isomer1)	0.279838849	1.033571698	0.04763847
MEDP1319	LysoPC 22:4	0.279838849	1.033571698	0.04763847
MEDP1320	LysoPC 22:5 (2n isomer3)	0.318957778	1.035054107	0.049706186
MEDP1321	LysoPC 22:5 (2n isomer2)	0.318957778	1.035054107	0.049706186
MEDP1322	LysoPC 22:5 (2n isomer1)	0.450439758	1.066242992	0.09253626
MEDP1325	LysoPC 22:6	0.43057323	1.02486022	0.035427156
MEDP1326	LysoPC 20:1(2n isomer)	1.375575143	1.241917207	0.312568999
MEDP1328	LysoPC 20:2(2n isomer2)	1.6155532	1.357308911	0.440749103
MEDP1330	LysoPC 20:2(2n isomer1)	1.6155532	1.357308911	0.440749103
MEDP1331	LysoPC 20:3(2n isomer)	1.361029885	1.13503635	0.182738501
MEDP1332	LysoPC 20:3	1.361029885	1.13503635	0.182738501
MEDP1333	LysoPC 20:4(2n isomer)	1.46298938	0.855598054	-0.224994894
MEDP1334	LysoPC 20:4	1.46298938	0.855598054	-0.224994894
MEDP1335	LysoPC 20:5	0.758327849	1.146813501	0.197630794
MEDP1336	LysoPC 20:5(2n isomer)	0.694484968	1.132718405	0.17978925
MEDP1337	LysoPC 18:0(2n isomer)	0.038533166	1.001636235	0.002358659
MEDP1339	LysoPC 18:1(2n isomer)	0.522494023	1.070350488	0.098083287
MEDP1341	LysoPC 18:2(2n isomer1)	0.629663178	1.082891691	0.114888954

MEDP1345	LysoPC 18:3(2n isomer2)	0.101393571	1.013154422	0.018854083
MEDP1346	LysoPC 16:0(2n isomer)	0.079089913	1.007069914	0.010163843
MEDP1348	LysoPC 16:1(2n isomer)	1.810050141	1.609006476	0.686170132
MEDP1369	Carnitine C15:0	0.598127569	1.064312458	0.089921755
MEDP1373	Carnitine C22:2	1.015855194	1.138827281	0.187548959
MEDP1377	Carnitine C20:1-OH	1.559216017	1.788632673	0.838857135
MEDP1380	Carnitine C20:1	1.425884151	1.43855451	0.524619889
MEDP1381	Carnitine C20:2	1.683374294	1.496053884	0.581162138
MEDP1382	Carnitine ph-C14	0.292748348	1.064368349	0.089997514
MEDP1384	Carnitine C19:0	0.150461466	1.007517888	0.010805453
MEDP1385	Carnitine C17:1:DC	1.918963277	2.141746896	1.098787998
MEDP1386	Carnitine C18:2-OH	1.852357825	1.629835904	0.704726718
MEDP1389	Carnitine C18:0	0.603464544	1.092579271	0.127737956
MEDP1392	Carnitine C18:3	1.664169171	1.397063369	0.482397461
MEDP1394	Carnitine C15:DC	1.785136704	2.048731264	1.034730756
MEDP1395	Carnitine C17:0	1.745431635	1.318762915	0.399185223
MEDP1399	Carnitine C16:2	1.984329574	1.754446241	0.811015742
MEDP1400	Carnitine C16:3	1.97070823	1.551343141	0.633517831
MEDP1401	Carnitine C14-OH	1.85423044	1.771877586	0.825278936
MEDP1403	Carnitine C15:1	1.756141481	1.669428733	0.739354506
MEDP1404	Carnitine C14:2-OH	2.090462542	1.715461382	0.778596649
MEDP1405	Carnitine C14:0	1.895122609	1.5669968	0.648002233
MEDP1406	Carnitine C14:1	1.778965737	1.512543951	0.596977065
MEDP1407	Carnitine C14:2	1.787757126	1.565963843	0.647050902
MEDP1409	Carnitine C12-OH	1.932004565	1.707580713	0.771953773
MEDP1410	Carnitine C11:DC	1.901097428	1.699941884	0.765485426
MEDP1411	Carnitine C13:0	2.008245543	1.619053939	0.69515105

MEDP1414	Carnitine C12:1	1.11874605	1.23740037	0.30731237
MEDP1415	Carnitine C9:DC	0.398566638	1.031448815	0.04467223
MEDP1418	Carnitine C11:1	1.16205544	1.467540017	0.553399843
MEDP1419	Carnitine C10:0	1.455041578	1.268395761	0.343004961
MEDP1422	Carnitine C8-OH	1.745241891	1.481665351	0.567219637
MEDP1427	Carnitine C8:0	0.950174395	1.192592339	0.254100975
MEDP1428	Carnitine C8:1	1.255913342	1.217196486	0.283562073
MEDP1429	Carnitine C5:DC	0.215282626	1.019197208	0.02743323
MEDP1432	Carnitine C7:1	1.336868922	1.361647952	0.445353749
MEDP1433	Carnitine ph-C1	0.438402452	0.950974564	-0.072521342
MEDP1434	Carnitine C4:DC	1.740769621	1.464947377	0.550848842
MEDP1435	Carnitine C6:0 Isomer 2	0.803408722	1.129347186	0.175489071
MEDP1436	Carnitine C6:0 Isomer 1	0.744129334	1.108726535	0.148903571
MEDP1437	Carnitine C6:0	0.803408722	1.129347186	0.175489071
MEDP1439	Carnitine C5:0 Isomer	0.143330975	0.860029248	-0.217542371
MEDP1440	Carnitine C5:0	0.096071428	0.869886017	-0.201101721
MEDP1441	Carnitine C5:1	0.492586864	0.810369158	-0.303348828
MEDP1442	Carnitine C4:0	0.289750476	0.820474075	-0.285470346
MEDP1444	Octapentaenoic acid	1.188412188	0.903478695	-0.146437514
MEDP1457	Tetracosanoic acid	0.98606355	1.446370248	0.532436907
MEDP1458	Docosanoic acid	1.314554975	1.596009775	0.674469488
MEDP1460	Hydroxyeicosapentaenoic acid	1.10890122	1.962239692	0.972501281
MEDP1463	Eicosahexanoic acid	0.558643803	1.099108529	0.136333849
LIPID-N-0001	13-oxoODE	0.74356909	0.853961951	-0.227756304
LIPID-N-0005	12,13-EpOME	0.62692417	0.883545751	-0.178623255
LIPID-N-0006	9,10-EpOME	1.500772356	0.559130716	-0.838742494
LIPID-N-0008	FFA(20:4)	0.686026392	0.862959614	-0.212635051

LIPID-N-0011	(±)12-HEPE	1.266773552	1.687279329	0.754698832
LIPID-N-0013	(±)18-HEPE	1.22106813	1.668285126	0.738365881
LIPID-N-0015	15-oxoETE	0.069875465	1.049128325	0.069191154
LIPID-N-0017	11,12-EET	0.109354774	1.028932553	0.041148416
LIPID-N-0021	(±)12-HETE	0.59948491	1.135791428	0.183697928
LIPID-N-0027	(±)8-HETE	0.282425664	1.362082389	0.445813971
LIPID-N-0028	(±)9-HETE	0.505555461	1.188207819	0.248787188
LIPID-N-0036	5(S),6(R)-DiHETE	0.611411571	0.782732831	-0.353408136
LIPID-N-0041	16(17)-EpDPE	1.370165201	1.89515832	0.922318375
LIPID-N-0045	14(S)-HDHA	1.542614121	2.036178181	1.025863814
LIPID-N-0048	PGE3	0.923838911	0.691722717	-0.531734257
LIPID-N-0053	PGE2	1.069553021	0.597360211	-0.743326949
LIPID-N-0064	TxB3	0.539349005	1.125382216	0.17041507
LIPID-N-0065	TXB2	0.51115964	1.102885689	0.141283267
LIPID-N-0072	FFA(4:0)	1.036772031	0.839023535	-0.253216815
LIPID-N-0073	FFA(5:0)	0.216248935	0.977247761	-0.033203721
LIPID-N-0074	FFA(6:0)	0.483226504	0.926814751	-0.109647088
LIPID-N-0075	FFA(8:0)	0.725311645	0.926565484	-0.110035154
LIPID-N-0076	FFA(10:0)	1.085634154	0.901490196	-0.149616293
LIPID-N-0077	FFA(11:0)	0.282607262	1.067342741	0.094023523
LIPID-N-0078	FFA(12:0)	0.046895143	0.992195698	-0.011303393
LIPID-N-0079	FFA(13:0)	1.24604867	0.786071347	-0.347267831
LIPID-N-0080	FFA(14:0)	0.469698307	0.957251694	-0.063029787
LIPID-N-0081	FFA(15:0)	0.305121537	0.959669787	-0.059390021
LIPID-N-0082	FFA(16:0)	0.2753209	0.974624869	-0.037081059
LIPID-N-0083	FFA(17:0)	0.294756299	1.061488194	0.086088325
LIPID-N-0084	FFA(18:0)	0.762915072	0.913727249	-0.130164515
LIPID-N-0091	FFA(16:1)	0.247257257	1.042592205	0.060174978

LIPID-N-0093	FFA(18:1)	0.557802831	1.084125231	0.116531417
LIPID-N-0095	FFA(20:1)	0.513614738	0.886930755	-0.17310662
LIPID-N-0098	FFA(16:2)	0.136862388	1.013538357	0.019400688
LIPID-N-0099	FFA(18:2)	0.062141266	1.014173937	0.020305105
LIPID-N-0100	FFA(20:2)	1.02552049	1.343623467	0.426128898
LIPID-N-0103	FFA(18:3)	0.458000793	0.910360205	-0.135490601
LIPID-N-0104	FFA(20:3)	0.810011147	1.273367929	0.348649335
LIPID-N-0108	FFA(22:4)	0.379484436	0.855936404	-0.224424486
LIPID-N-0109	FFA(24:4)	0.439828124	1.047879716	0.067473123
LIPID-N-0110	FFA(20:5)	0.601853715	1.138589515	0.187247719
LIPID-N-0111	FFA(22:5)	0.848455595	1.290348319	0.367760562
LIPID-N-0112	FFA(24:5)	0.905295845	1.295502194	0.373511458
LIPID-N-0113	FFA(22:6)	1.469597959	1.581774926	0.66154433
LIPID-N-0114	FFA(24:6)	0.434374668	0.934072994	-0.0983928
LIPID-N-0115	LPA(0:0/16:0)	0.386404516	1.030909783	0.043918085
LIPID-N-0116	LPA(0:0/18:0)	0.450338919	1.077060712	0.107099575
LIPID-N-0124	LPC(14:1/0:0)	1.434209352	2.526181269	1.336958165
LIPID-N-0126	LPC(18:1/0:0)	1.57660289	1.466238504	0.552119797
LIPID-N-0129	LPC(18:2/0:0)	1.174447697	1.176969355	0.235076758
LIPID-N-0146	LPE(0:0/18:1)	1.235299453	1.255217827	0.327937747
LIPID-N-0149	LPE(0:0/20:2)	1.803127635	1.684264609	0.752118813
LIPID-N-0151	LPE(0:0/20:3)	1.524195166	1.561626272	0.64304923
LIPID-N-0153	LPE(0:0/22:4)	0.230125187	0.89834151	-0.154664097
LIPID-N-0155	LPE(0:0/22:5)	0.843125843	1.449778539	0.535832538
LIPID-N-0158	LPI(14:1/0:0)	0.97045643	1.183531449	0.243098042
LIPID-N-0171	PA(18:0/18:1)	0.1564301	1.000102392	0.000147713
LIPID-N-0178	PC(16:0/14:0)	0.522991238	0.752385921	-0.410455243
LIPID-N-0188	PC(16:0/16:1)	0.677604089	1.194704235	0.256653504

LIPID-N-0191	PC(14:0/18:1)	0.370868411	1.077759628	0.108035451
LIPID-N-0193	PC(16:1/18:0)	0.864128287	1.367825499	0.451884189
LIPID-N-0201	PC(16:0/20:1)	1.43988011	1.912212157	0.935242597
LIPID-N-0216	PC(16:1/18:1)	2.037339246	1.992901197	0.994870187
LIPID-N-0224	PC(18:0/18:2)	0.880092516	0.917876414	-0.123628178
LIPID-N-0225	PC(16:0/20:2)	1.941128157	1.886699198	0.915864428
LIPID-N-0228	PC(18:0/20:2)	0.420454646	1.116548187	0.159045515
LIPID-N-0229	PC(18:1/20:1)	1.624626911	1.525516504	0.609297788
LIPID-N-0232	PC(18:2/20:0)	0.689626748	1.276806054	0.352539397
LIPID-N-0243	PC(16:0/18:3)	1.031318472	0.684772081	-0.546304211
LIPID-N-0244	PC(16:1/18:2)	1.729351346	1.944145878	0.959136475
LIPID-N-0250	PC(16:0/20:3)	1.309432419	1.464780139	0.550684135
LIPID-N-0252	PC(18:1/18:2)	1.974239759	1.279340573	0.355400375
LIPID-N-0255	PC(18:0/18:3)	1.087662638	0.666649927	-0.584998726
LIPID-N-0258	PC(18:0/20:3)	0.772936802	1.164947074	0.220264412
LIPID-N-0259	PC(20:1/18:2)	0.322862399	1.039458285	0.055831861
LIPID-N-0271	PC(16:1/18:3)	0.209193389	2.116552255	1.081716107
LIPID-N-0280	PC(16:0/20:4)	1.015328522	0.86727136	-0.205444627
LIPID-N-0283	PC(16:1/20:3)	0.684705774	1.211386554	0.276659303
LIPID-N-0285	PC(18:2/20:2)	0.872150677	1.423717557	0.509662967
LIPID-N-0286	PC(20:3/18:1)	1.774867153	2.042035838	1.030008186
LIPID-N-0304	PC(20:4/16:1)	0.779021328	1.252315326	0.324597871
LIPID-N-0309	PC(18:2/18:3)	0.272417987	1.065593239	0.091656833
LIPID-N-0317	PC(18:2/20:3)	1.630701018	1.839984943	0.879693961
LIPID-N-0334	PC(16:0/22:6)	0.60076128	1.101158945	0.139022728
LIPID-N-0341	PC(18:1/20:5)	0.488376465	1.457231056	0.543229647
LIPID-N-0377	PE(18:1/16:0)	0.585465675	1.267968316	0.342518696
LIPID-N-0405	PE(18:1/16:1)	0.202492525	0.848925626	-0.23628993

LIPID-N-0407	PE(18:2/16:0)	0.443435152	1.179673316	0.238387393
LIPID-N-0411	PE(18:0/18:2)	0.847969963	0.783209701	-0.35252946
LIPID-N-0448	PE(20:2/16:1)	0.539008747	0.8434077	-0.245697903
LIPID-N-0477	PE(20:4/18:0)	1.657046862	0.662833063	-0.593282528
LIPID-N-0524	PE(22:6/16:0)	0.03994071	0.986621211	-0.019431791
LIPID-N-0531	PE(22:6/18:0)	0.504048782	0.750281419	-0.414496265
LIPID-N-0553	PG(16:0/18:1)	1.048074294	0.528372132	-0.920373719
LIPID-N-0559	PG(18:0/18:1)	0.782446676	0.700038758	-0.514493296
LIPID-N-0562	PG(18:2/16:0)	0.633552513	0.744961626	-0.424761982
LIPID-N-0568	PG(18:2/18:0)	1.397027635	0.419026364	-1.254887076
LIPID-N-0638	PI(16:0/20:2)	0.75206469	2.145959228	1.101622666
LIPID-N-0640	PI(18:2/18:0)	0.922148488	1.198986096	0.261814929
LIPID-N-0644	PI(20:3/18:0)	2.023753077	2.210411071	1.144314693
LIPID-N-0648	PI(20:4/16:0)	0.591076984	1.153973763	0.206610423
LIPID-N-0653	PI(18:0/20:4)	0.504315957	1.080890955	0.112220985
LIPID-N-0663	PI(18:1/20:4)	1.287294845	1.240864162	0.311345192
LIPID-N-0667	PI(16:0/22:6)	0.153124148	1.079506333	0.110371707
LIPID-N-0686	PS(18:0/18:2)	1.391186913	1.75131147	0.808435689
LIPID-N-0692	PS(12:0/20:3)	0.050841137	0.978050038	-0.032019819
LIPID-N-0699	PS(18:2/18:2)	0.081334931	1.009401225	0.013499742
LIPID-N-0701	PS(16:0/20:4)	0.878713646	0.808355984	-0.306937328
LIPID-N-0702	PS(18:0/20:4)	0.753659242	0.846083988	-0.241127214
LIPID-N-0706	PS(18:1/20:4)	0.797955046	1.810795525	0.856623647
LIPID-N-0711	PS(20:4/18:2)	0.118339952	1.037633197	0.053296541
LIPID-N-0712	PS(22:6/16:0)	0.912258142	1.547789518	0.630209294
LIPID-P-0001	Free carnitine	1.49311583	1.202154377	0.265622175
LIPID-P-0002	Acetyl-carnitine	0.891714142	1.115327831	0.157467828
LIPID-P-0003	Propionyl-carnitine	0.480630943	1.067303094	0.093969933

LIPID-P-0004	Butyryl-carnitine	0.189005826	0.845746536	-0.241702731
LIPID-P-0005	Isovaleryl-carnitine	0.323634	0.988243984	-0.017060827
LIPID-P-0006	hydroxybutyryl-carnitine	0.371558152	1.010279717	0.014754788
LIPID-P-0007	Hexanoyl-carnitine	0.560265351	1.04974271	0.070035769
LIPID-P-0008	hydroxyisovaleroyl-carnitine	1.454626877	1.559267293	0.640868259
LIPID-P-0009	Hydroxyhexanoyl-carnitine	0.0519472	1.004096447	0.005897851
LIPID-P-0010	Octanoyl-carnitine	1.096680012	1.236354287	0.306092218
LIPID-P-0011	3-Methylglutaryl-carnitine	1.201164858	1.048355181	0.068127583
LIPID-P-0013	Decanoyl-carnitine	1.532367748	1.302226565	0.380980475
LIPID-P-0014	3-Hydroxy-decanoyl-carnitine	2.147710564	1.961620334	0.972045839
LIPID-P-0015	Lauroyl-carnitine	2.153481776	1.591687507	0.670557122
LIPID-P-0016	3-Hydroxy-dodecanoyl-carnitine	1.759283428	1.633004425	0.7075287
LIPID-P-0017	Myristoyl-carnitine	2.03173619	1.765577482	0.820140135
LIPID-P-0018	11-carboxyundecanoyl-carnitine	0.814110692	1.045789334	0.064592262
LIPID-P-0019	3-Hydroxy-tetradecanoyl-carnitine	1.702726524	1.954681208	0.966933335
LIPID-P-0020	Palmitoyl-carnitine	1.732890304	1.43666251	0.522721194
LIPID-P-0022	Stearoyl-carnitine	1.510458376	1.245312686	0.316508035
LIPID-P-0023	3-Hydroxy-octadecanoyl-carnitine	1.123898959	1.287901332	0.365022071
LIPID-P-0024	Tiglyl-carnitine	0.530429702	1.205141807	0.269202916
LIPID-P-0026	glutaconyl-carnitine	0.815905562	1.025393035	0.036177003
LIPID-P-0029	Decenoyl-carnitine	2.027998062	1.514612882	0.598949104

LIPID-P-0031	Dodecenoyl-carnitine	1.579511491	1.611283687	0.688210522
LIPID-P-0032	3-Hydroxy-dodecenoyl-carnitine	1.730407389	1.410147359	0.495845931
LIPID-P-0033	Tetradecenoyl-carnitine	1.953975635	1.856345356	0.892465135
LIPID-P-0034	3-Hydroxy-tetradecenoyl-carnitine	1.86200132	2.294049881	1.197896761
LIPID-P-0035	Palmitoleoyl-carnitine	1.972711668	2.092159376	1.064992757
LIPID-P-0036	3-Hydroxy-palmitoleoyl-carnitine	1.941695342	2.062625125	1.04448164
LIPID-P-0037	Oleyl-carnitine	1.994233194	1.823950389	0.867066489
LIPID-P-0038	3-Hydroxy-octadecenoyl-carnitine	2.072449537	2.593959173	1.375155773
LIPID-P-0039	Decadienoyl-carnitine	0.349310489	0.984814825	-0.022075615
LIPID-P-0041	Palmitodileoyl-carnitine	2.103161074	2.203766917	1.139971644
LIPID-P-0042	Linoleyl-carnitine	1.68290005	1.495218878	0.580356689
LIPID-P-0043	3-Hydroxy-linoleyl-carnitine	1.875420965	2.012942074	1.009305656
LIPID-P-0044	CE(14:0)	0.085921923	0.997938715	-0.002976874
LIPID-P-0045	CE(16:0)	0.882991596	0.900033983	-0.15194862
LIPID-P-0046	CE(18:0)	1.740355696	0.607545258	-0.718936211
LIPID-P-0049	CE(16:1)	1.38524535	1.357520615	0.440974107
LIPID-P-0050	CE(18:1)	0.648153712	0.932350039	-0.101056396
LIPID-P-0053	CE(18:2)	1.047505133	1.201445223	0.264770873
LIPID-P-0054	CE(20:2)	1.189207577	1.164306603	0.219471021
LIPID-P-0055	CE(18:3)	0.12475337	1.017567668	0.025124736
LIPID-P-0056	CE(20:3)	1.323286017	1.413845109	0.499624078
LIPID-P-0058	CE(20:4)	0.059670004	0.933194281	-0.099750628
LIPID-P-0059	CE(22:4)	0.373721375	1.063793358	0.089217935

LIPID-P-0060	CE(20:5)	1.510367976	1.888226062	0.917031497
LIPID-P-0062	CE(22:6)	0.540525267	1.095513673	0.131607491
LIPID-P-0068	Cer(d18:1/16:0)	1.324165811	0.73544074	-0.443318998
LIPID-P-0069	Cer(d18:1/18:0)	1.00937822	0.773159492	-0.371162043
LIPID-P-0070	Cer(d18:1/20:0)	0.163958847	1.027356018	0.038936218
LIPID-P-0071	Cer(d18:1/22:0)	0.794446184	1.2315479	0.300472741
LIPID-P-0072	Cer(d18:1/24:0)	1.303695493	1.369873516	0.454042692
LIPID-P-0073	Cer(d18:1/16:1)	1.112063624	0.739980911	-0.434440041
LIPID-P-0077	Cer(d18:1/24:1)	1.100653462	1.291360058	0.36889131
LIPID-P-0089	Cer(m18:1/20:0)	0.417779054	0.711956031	-0.490139949
LIPID-P-0094	Cer(m18:1/22:1)	0.44035081	1.088690928	0.122594441
LIPID-P-0096	CerP(d18:1/12:0)	0.116008611	1.008794707	0.012632612
LIPID-P-0097	CerP(d18:1/14:0)	1.323185949	0.827772069	-0.272694525
LIPID-P-0098	CerP(d18:1/16:0)	0.593498237	1.093894524	0.129473637
LIPID-P-0099	CerP(d18:1/18:0)	1.336573555	1.39184321	0.476996702
LIPID-P-0104	CerP(d18:1/16:1)	2.050630151	2.705207544	1.435739282
LIPID-P-0105	CerP(d18:1/18:1)	1.245246242	1.435553732	0.521607331
LIPID-P-0111	Cer(t18:0/22:0)	0.465242966	0.935512467	-0.096171216
LIPID-P-0112	Cer(t18:0/24:0)	0.007749588	1.059436623	0.083297287
LIPID-P-0114	Cer(t18:0/20:2)	0.962166531	0.879041119	-0.185997443
LIPID-P-0117	DG(14:0/16:0/0:0)	0.001856449	1.020004707	0.02857581
LIPID-P-0119	DG(12:0/20:0/0:0)	0.323930323	0.963535478	-0.053590306
LIPID-P-0120	DG(16:0/16:0/0:0)	0.640928992	1.041078587	0.058078976
LIPID-P-0121	DG(14:0/18:0/0:0)	1.08600532	1.114129459	0.15591688
LIPID-P-0125	DG(16:0/18:0/0:0)	0.065961004	1.00538018	0.007741153
LIPID-P-0128	DG(14:0/22:0/0:0)	0.433960331	1.072972406	0.101612975
LIPID-P-0129	DG(18:0/18:0/0:0)	0.05564608	1.017677912	0.02528103
LIPID-P-0130	DG(16:0/20:0/0:0)	0.390623174	1.049177045	0.069258148

LIPID-P-0131	DG(14:0/16:1/0:0)	0.790643885	1.183078028	0.242545227
LIPID-P-0132	DG(14:1/16:0/0:0)	0.015261344	1.000840347	0.001211855
LIPID-P-0133	DG(14:0/18:1/0:0)	0.977900458	0.392610438	-1.348829565
LIPID-P-0141	DG(16:0/18:1/0:0)	0.561652251	0.566172556	-0.820686275
LIPID-P-0144	DG(16:0/20:1/0:0)	1.40223661	0.384417413	-1.379254406
LIPID-P-0145	DG(16:1/20:0/0:0)	0.957900442	1.061921209	0.086676727
LIPID-P-0146	DG(18:0/18:1/0:0)	0.8965337	0.52675638	-0.924792212
LIPID-P-0148	DG(16:1/22:0/0:0)	0.062355919	0.98040482	-0.028550517
LIPID-P-0152	DG(14:0/18:2/0:0)	0.92533866	0.519543592	-0.944683292
LIPID-P-0154	DG(16:1/18:1/0:0)	0.129532678	0.742517462	-0.42950314
LIPID-P-0156	DG(16:0/18:2/0:0)	0.747458258	0.648695698	-0.624386223
LIPID-P-0157	DG(18:1/18:1/0:0)	0.096038156	0.853905059	-0.227852421
LIPID-P-0159	DG(18:0/18:2/0:0)	1.077167801	0.574591819	-0.799390642
LIPID-P-0161	DG(18:1/20:1/0:0)	0.001333046	0.857607498	-0.221610576
LIPID-P-0162	DG(18:1/20:0/0:0)	0.121311351	0.930141432	-0.104477994
LIPID-P-0163	DG(20:0/18:2/0:0)	1.78984256	0.292942428	-1.771310937
LIPID-P-0166	DG(16:1/18:2/0:0)	0.465865002	1.051075274	0.071865993
LIPID-P-0176	DG(18:1/18:2/0:0)	0.116717452	0.988990757	-0.015971058
LIPID-P-0183	DG(18:2/20:1/0:0)	0.805696574	0.613191093	-0.705591355
LIPID-P-0185	DG(16:1/18:3/0:0)	0.142272267	1.003965395	0.005709543
LIPID-P-0187	DG(14:0/20:4/0:0)	0.138202924	0.98079691	-0.027973661
LIPID-P-0189	DG(18:2/18:2/0:0)	0.306821196	0.862022647	-0.214202323
LIPID-P-0192	DG(16:0/20:4/0:0)	1.270107166	0.453542498	-1.140690353
LIPID-P-0203	DG(16:1/20:4/0:0)	1.192830323	0.439905439	-1.184734656
LIPID-P-0207	DG(18:1/20:4/0:0)	1.11155166	0.563219489	-0.828230839
LIPID-P-0209	DG(18:1/22:4/0:0)	0.531551647	0.66153226	-0.596116584
LIPID-P-0213	DG(18:2/20:4/0:0)	0.858608661	0.691053344	-0.533131015
LIPID-P-0214	DG(18:1/20:5/0:0)	0.618490833	1.187192924	0.247554398

LIPID-P-0215	DG(16:0/22:6/0:0)	0.381080905	0.77388904	-0.369801367
LIPID-P-0217	DG(18:2/22:4/0:0)	0.396125173	1.097217603	0.133849674
LIPID-P-0223	LPC(14:0/0:0)	1.056978942	1.170111088	0.226645503
LIPID-P-0224	LPC(16:0/0:0)	0.902272658	1.14350042	0.193456896
LIPID-P-0225	LPC(18:0/0:0)	0.00030399	0.986522581	-0.019576021
LIPID-P-0226	LPC(20:0/0:0)	1.16489234	1.394445474	0.479691522
LIPID-P-0227	LPC(22:0/0:0)	0.886734745	1.159687821	0.213736496
LIPID-P-0228	LPC(24:0/0:0)	0.775184836	1.172686116	0.22981691
LIPID-P-0230	LPC(16:1/0:0)	1.678782883	1.599597713	0.677709123
LIPID-P-0232	LPC(20:1/0:0)	1.419536474	1.372784813	0.457105497
LIPID-P-0233	LPC(22:1/0:0)	1.569972804	1.525435526	0.609221204
LIPID-P-0235	LPC(20:2/0:0)	1.791637086	1.536346192	0.619503342
LIPID-P-0236	LPC(22:2/0:0)	1.727319545	1.630461966	0.705280787
LIPID-P-0237	LPC(18:3/0:0)	0.879206726	1.190907711	0.252061616
LIPID-P-0238	LPC(20:3/0:0)	1.668097963	1.556163027	0.637993208
LIPID-P-0240	LPC(20:4/0:0)	0.286347357	1.019165025	0.027387674
LIPID-P-0241	LPC(22:4/0:0)	0.361827611	1.064025602	0.089532865
LIPID-P-0242	LPC(20:5/0:0)	1.304739647	1.400808408	0.486259648
LIPID-P-0243	LPC(22:6/0:0)	1.104791807	1.18210225	0.241354832
LIPID-P-0245	LPC(O-16:0/0:0)	1.35528227	1.567957462	0.64888642
LIPID-P-0246	LPC(O-18:0/0:0)	0.513186552	1.092242697	0.127293459
LIPID-P-0247	LPC(O-20:0/0:0)	0.67950419	0.910631161	-0.135061266
LIPID-P-0248	LPC(O-22:0/0:0)	0.752518689	1.109181951	0.149496045
LIPID-P-0251	LPC(O-18:1/0:0)	1.565608053	1.619556595	0.695598883
LIPID-P-0252	LPC(O-20:1/0:0)	1.774399131	1.628998065	0.70398489
LIPID-P-0253	LPC(O-22:1/0:0)	1.607272492	1.673960474	0.743265463
LIPID-P-0254	LPC(O-18:2/0:0)	0.393070804	1.067112283	0.093711986
LIPID-P-0259	LPC(O-20:4/0:0)	0.774396141	1.165090883	0.220442496

LIPID-P-0263	LPE(0:0/16:0)	1.155646314	1.214041532	0.279817776
LIPID-P-0264	LPE(0:0/18:0)	0.096152872	1.016020282	0.022929202
LIPID-P-0265	LPE(0:0/20:0)	1.236632301	1.409944089	0.495637954
LIPID-P-0266	LPE(0:0/22:0)	1.393327631	1.420894043	0.506798976
LIPID-P-0269	LPE(0:0/16:1)	1.626519372	1.763886839	0.818758008
LIPID-P-0271	LPE(0:0/20:1)	1.588487059	1.529311698	0.612882481
LIPID-P-0272	LPE(0:0/22:1)	1.918076029	2.13935995	1.097179238
LIPID-P-0273	LPE(0:0/24:1)	1.65478346	1.564900393	0.646070831
LIPID-P-0274	LPE(0:0/18:2)	0.624779888	1.120052177	0.163565941
LIPID-P-0276	LPE(0:0/18:3)	0.528990277	0.933687725	-0.098987978
LIPID-P-0279	LPE(0:0/20:4)	0.614979325	1.122111327	0.166215816
LIPID-P-0281	LPE(0:0/20:5)	1.717758282	1.455772666	0.541785081
LIPID-P-0283	LPE(0:0/22:6)	0.79672966	1.171423519	0.228262765
LIPID-P-0284	LPE(0:0/24:6)	0.801889048	1.199298819	0.262191167
LIPID-P-0287	LPG(16:0/0:0)	1.373124831	0.683415781	-0.549164534
LIPID-P-0288	LPS(16:0/0:0)	0.779156103	1.133318488	0.180553348
LIPID-P-0292	MG(16:0/0:0/0:0)	1.150764385	1.031237864	0.044377141
LIPID-P-0293	MG(18:0/0:0/0:0)	0.709381919	0.984264848	-0.022881524
LIPID-P-0305	PC(16:0/16:0)	0.94491162	0.893776922	-0.162013301
LIPID-P-0308	PC(16:0/18:0)	0.554451766	0.898067808	-0.155103715
LIPID-P-0311	PC(18:0/18:0)	0.757512831	0.80810787	-0.307380212
LIPID-P-0312	PC(16:0/22:0)	0.584721087	1.172828868	0.229992519
LIPID-P-0323	PC(16:0/18:1)	1.560959693	1.634061316	0.70846212
LIPID-P-0329	PC(18:0/18:1)	0.849410673	1.186928739	0.247233321
LIPID-P-0340	PC(14:0/18:2)	0.725587618	1.279836529	0.35595955
LIPID-P-0346	PC(12:0/22:2)	0.277046641	1.045098435	0.063638832
LIPID-P-0348	PC(16:0/18:2)	0.339275226	1.0459608	0.064828784
LIPID-P-0349	PC(18:1/18:1)	1.868673246	1.831401706	0.872948271

LIPID-P-0362	PC(18:2/22:0)	0.409599389	1.183965034	0.243626474
LIPID-P-0363	PC(20:1/22:1)	0.665448962	1.359534283	0.443112532
LIPID-P-0371	PC(14:0/20:3)	1.686223106	1.687795771	0.755140344
LIPID-P-0387	PC(16:1/22:2)	0.46244043	1.085248191	0.118025018
LIPID-P-0398	PC(14:0/20:4)	0.264743716	0.968456707	-0.046240538
LIPID-P-0402	PC(18:2/18:2)	0.177486342	1.009246344	0.01327836
LIPID-P-0407	PC(18:3/18:1)	0.601827392	0.941339241	-0.087213358
LIPID-P-0417	PC(22:4/16:0)	1.598737232	0.740806791	-0.432830771
LIPID-P-0418	PC(18:0/20:4)	1.577148303	0.676908936	-0.562966334
LIPID-P-0422	PC(18:0/22:4)	0.708611562	0.814471026	-0.296064717
LIPID-P-0436	PC(22:4/14:1)	0.650031768	1.226018736	0.293981027
LIPID-P-0440	PC(16:0/20:5)	0.949743714	1.313820694	0.393768395
LIPID-P-0445	PC(16:0/22:5)	0.86617847	1.103525597	0.142120094
LIPID-P-0447	PC(18:1/20:4)	0.681738558	1.148071781	0.199212846
LIPID-P-0449	PC(20:5/18:0)	0.564826803	0.860714245	-0.216393749
LIPID-P-0454	PC(18:0/22:5)	0.576780491	1.104657566	0.143599216
LIPID-P-0465	PC(14:0/22:6)	0.743959954	1.142994476	0.192818431
LIPID-P-0469	PC(18:2/20:4)	0.15638589	0.979174095	-0.030362705
LIPID-P-0479	PC(18:0/22:6)	0.298610848	0.883935382	-0.177987187
LIPID-P-0480	PC(20:1/20:5)	0.217013165	0.886029628	-0.174573153
LIPID-P-0489	PC(16:1/22:6)	1.457744181	1.627819758	0.702940965
LIPID-P-0496	PC(18:1/22:6)	1.126403448	1.24947995	0.321327751
LIPID-P-0500	PC(20:1/22:6)	1.505469311	1.494959457	0.58010636
LIPID-P-0504	PC(18:2/22:6)	0.768031366	1.158099822	0.211759612
LIPID-P-0507	PC(20:2/22:6)	0.807138774	1.226560511	0.29461841
LIPID-P-0513	PC(O-16:0/14:0)	0.204331019	0.939074507	-0.090688467
LIPID-P-0514	PC(O-16:0/16:0)	1.439436488	0.770014664	-0.377042174
LIPID-P-0515	PC(O-16:0/18:0)	1.468479591	0.775785756	-0.366269807

LIPID-P-0516	PC(O-18:0/18:0)	0.335508292	0.962298538	-0.055443557
LIPID-P-0520	PC(O-16:0/14:1)	1.662097313	0.839354684	-0.25264752
LIPID-P-0522	PC(O-16:0/18:1)	0.768784845	0.903591975	-0.146256638
LIPID-P-0524	PC(O-18:1/20:0)	0.477662535	1.043686041	0.061687789
LIPID-P-0530	PC(O-16:0/18:2)	0.132053093	1.018339133	0.026218096
LIPID-P-0531	PC(O-18:0/18:2)	1.024411502	0.824507001	-0.278396351
LIPID-P-0532	PC(O-18:1/20:1)	0.655383416	0.932716909	-0.100488823
LIPID-P-0535	PC(O-16:2/18:1)	0.459110842	1.183884805	0.24352871
LIPID-P-0540	PC(O-16:2/18:2)	0.263377309	0.996677198	-0.004801772
LIPID-P-0541	PC(O-18:2/18:2)	1.273905062	0.773686893	-0.370178261
LIPID-P-0542	PC(O-18:2/20:2)	1.393262484	0.716498456	-0.480964499
LIPID-P-0547	PC(O-18:3/18:2)	0.767487139	0.851474565	-0.23196466
LIPID-P-0548	PC(O-18:3/20:2)	1.377895385	0.776385737	-0.36515448
LIPID-P-0551	PC(O-20:2/24:3)	0.660169754	0.851606351	-0.231741386
LIPID-P-0552	PC(O-18:3/18:3)	0.010913649	1.148716815	0.200023184
LIPID-P-0553	PC(O-18:3/20:3)	1.155497093	0.831754376	-0.265770544
LIPID-P-0558	PC(O-18:3/20:4)	0.02541149	1.014772516	0.021156351
LIPID-P-0559	PC(O-20:3/20:4)	0.927999045	0.847241644	-0.239154591
LIPID-P-0560	PC(O-20:4/22:3)	0.328742154	0.946657838	-0.079085026
LIPID-P-0562	PC(O-20:4/20:4)	0.079693324	0.970699445	-0.042903428
LIPID-P-0565	PC(O-20:5/22:4)	0.661691442	1.155403623	0.208396923
LIPID-P-0568	PE(16:0/16:0)	0.171446115	0.949021622	-0.075487137
LIPID-P-0569	PE(16:0/18:0)	0.078690138	1.021104836	0.030130994
LIPID-P-0573	PE(16:1/14:0)	1.169765165	0.824055634	-0.279186354
LIPID-P-0580	PE(18:1/18:0)	0.142563334	0.984486973	-0.022555979
LIPID-P-0588	PE(22:2/12:0)	0.396040462	1.004278238	0.006159027
LIPID-P-0589	PE(16:0/18:2)	0.392581156	1.067086306	0.093676866
LIPID-P-0594	PE(18:1/18:1)	0.775497747	0.815475029	-0.294287395

LIPID-P-0600	PE(18:3/16:0)	1.895950407	1.854650061	0.891147002
LIPID-P-0603	PE(18:1/18:2)	0.853648252	1.145505354	0.195984201
LIPID-P-0612	PE(16:0/20:4)	0.298735501	1.055179475	0.077488407
LIPID-P-0616	PE(18:0/20:4)	0.74824076	0.876229166	-0.190619858
LIPID-P-0617	PE(18:0/22:4)	1.216027832	0.695351193	-0.524186287
LIPID-P-0620	PE(16:1/20:4)	0.999633151	1.453646267	0.539676244
LIPID-P-0621	PE(18:1/20:4)	0.289670492	1.066693509	0.093145709
LIPID-P-0622	PE(20:1/20:4)	1.532321242	0.628744826	-0.669453472
LIPID-P-0628	PE(16:0/22:6)	0.454567282	1.105555298	0.144771188
LIPID-P-0631	PE(18:0/22:6)	0.390853175	0.951227131	-0.072138231
LIPID-P-0635	PE(22:6/18:1)	0.492698426	1.092308907	0.127380911
LIPID-P-0636	PE(22:6/20:1)	0.662022096	1.269686	0.344471755
LIPID-P-0637	PE(20:3/20:5)	0.199496731	0.95762212	-0.062471617
LIPID-P-0639	PE(P-18:0/18:0)	0.062545007	1.030447585	0.043271122
LIPID-P-0640	PE(P-18:0/20:0)	0.483749725	1.138552336	0.187200609
LIPID-P-0641	PE(P-20:0/20:0)	0.441763027	0.866496297	-0.20673451
LIPID-P-0642	PE(P-18:1/16:0)	0.202341382	1.043994219	0.062113723
LIPID-P-0643	PE(P-18:1/18:0)	0.018222827	1.056385373	0.079136231
LIPID-P-0644	PE(P-18:1/20:0)	0.514666286	1.143734923	0.193752725
LIPID-P-0645	PE(P-20:1/20:0)	0.681700865	1.181380063	0.240473171
LIPID-P-0646	PE(P-18:2/16:0)	0.559384749	1.217986445	0.284498078
LIPID-P-0647	PE(P-18:2/18:0)	0.028199252	1.030061113	0.042729934
LIPID-P-0649	PE(P-20:2/20:0)	0.485707679	0.898746524	-0.15401381
LIPID-P-0652	PE(P-18:2/18:1)	0.785763249	0.867764146	-0.204625117
LIPID-P-0653	PE(P-18:2/20:1)	1.059229986	0.78305212	-0.352819759
LIPID-P-0654	PE(P-20:2/20:1)	0.127276587	0.862443624	-0.213497941
LIPID-P-0655	PE(P-20:2/22:1)	0.347980128	0.791311891	-0.337681658
LIPID-P-0657	PE(P-18:2/18:2)	0.411206958	0.936192948	-0.095122198

LIPID-P-0658	PE(P-18:2/20:2)	1.231436158	0.752450255	-0.410331888
LIPID-P-0659	PE(P-20:2/20:2)	0.565066363	1.196529801	0.25885633
LIPID-P-0662	PE(P-18:2/20:3)	0.296283463	0.974558837	-0.037178806
LIPID-P-0663	PE(P-20:2/20:3)	0.70916294	0.862547846	-0.213323608
LIPID-P-0664	PE(P-20:2/22:3)	0.530708047	0.869471459	-0.201789424
LIPID-P-0665	PE(P-20:2/24:3)	0.099082336	0.911170031	-0.134207798
LIPID-P-0666	PE(P-18:2/20:4)	0.069512251	1.015074505	0.021585623
LIPID-P-0667	PE(P-20:2/20:4)	0.618088399	0.871043182	-0.199183852
LIPID-P-0668	PE(P-20:2/22:4)	0.18142741	1.077790111	0.108076254
LIPID-P-0669	PE(P-20:2/24:4)	0.682100274	0.861134475	-0.215689548
LIPID-P-0670	PE(P-20:2/20:5)	0.285242779	0.954441997	-0.067270569
LIPID-P-0673	PE(P-20:2/20:6)	0.091946549	0.959193631	-0.060106016
LIPID-P-0712	PS(18:0/22:6)	0.451498725	0.789551891	-0.340894009
LIPID-P-0716	SM(d18:0/12:0)	0.628664602	0.942300677	-0.085740615
LIPID-P-0722	SM(d18:0/24:0)	1.046871186	1.261495862	0.335135474
LIPID-P-0724	SM(d18:1/12:0)	0.147906038	0.987178428	-0.018617226
LIPID-P-0725	SM(d18:1/14:0)	0.87437397	0.916183542	-0.126291448
LIPID-P-0726	SM(d18:1/16:0)	0.858483279	0.932280702	-0.10116369
LIPID-P-0728	SM(d18:1/18:0)	1.15656703	0.889885381	-0.168308569
LIPID-P-0729	SM(d18:1/20:0)	0.566831272	0.891579521	-0.165564616
LIPID-P-0730	SM(d18:1/22:0)	0.464750353	1.102268174	0.140475264
LIPID-P-0731	SM(d18:1/24:0)	1.357728344	1.341999377	0.424384002
LIPID-P-0734	SM(d18:2/14:0)	0.500746137	1.069608923	0.097083406
LIPID-P-0735	SM(d18:1/16:1)	0.131267765	1.023128577	0.03298746
LIPID-P-0736	SM(d18:1/18:1)	1.024312723	0.859401479	-0.218595834
LIPID-P-0737	SM(d18:1/20:1)	1.250096616	0.842744878	-0.246832142
LIPID-P-0738	SM(d18:1/22:1)	0.096475875	1.000235436	0.000339622
LIPID-P-0739	SM(d18:1/24:1)	0.730087328	1.084022751	0.116395035

LIPID-P-0742	SM(d18:2/18:1)	0.469946228	1.099192699	0.136444327
LIPID-P-0744	SM(d18:2/22:1)	1.070181317	1.301272868	0.379923517
LIPID-P-0745	SM(d18:2/24:1)	0.316500794	1.026161255	0.037257459
LIPID-P-0749	TG(14:0/16:0/16:0)	1.476513014	0.282505301	-1.823650156
LIPID-P-0751	TG(14:0/16:0/18:0)	1.435814477	0.393345654	-1.346130452
LIPID-P-0754	TG(16:0/16:0/18:0)	0.721839848	0.844214938	-0.244317738
LIPID-P-0755	TG(14:0/18:0/18:0)	0.656397537	0.863644577	-0.211490384
LIPID-P-0757	TG(14:0/16:0/22:0)	0.601082035	0.930620703	-0.103734813
LIPID-P-0760	TG(14:0/18:0/20:0)	0.035895705	1.005975931	0.008595788
LIPID-P-0764	TG(16:0/16:0/22:0)	1.366361945	0.682909708	-0.550233252
LIPID-P-0765	TG(18:0/18:0/18:0)	0.034431788	1.005842265	0.008404082
LIPID-P-0783	TG(14:0/16:0/16:1)	0.976011573	0.271955476	-1.878557621
LIPID-P-0785	TG(14:0/14:0/18:1)	1.48235296	0.307931546	-1.699318426
LIPID-P-0786	TG(14:0/14:0/20:1)	1.159934161	0.273367272	-1.871087564
LIPID-P-0787	TG(14:0/16:0/18:1)	1.061922928	0.293704509	-1.767562678
LIPID-P-0788	TG(16:0/16:0/16:1)	1.055419537	0.275659415	-1.859041219
LIPID-P-0789	TG(16:0/16:0/18:1)	1.057369624	0.347412573	-1.52527813
LIPID-P-0790	TG(14:0/18:0/18:1)	1.213259784	0.34372118	-1.540689344
LIPID-P-0791	TG(14:0/16:1/20:0)	1.48253719	0.291564714	-1.778111961
LIPID-P-0794	TG(14:0/18:0/20:1)	1.49239547	0.396801714	-1.333509836
LIPID-P-0795	TG(16:0/16:1/20:0)	1.425909869	0.314770776	-1.66762649
LIPID-P-0796	TG(14:0/18:1/20:0)	1.285484119	0.317724402	-1.654152198
LIPID-P-0803	TG(16:0/16:1/22:0)	1.390799701	0.326259335	-1.615908912
LIPID-P-0805	TG(18:0/18:0/18:1)	1.408616333	0.370385392	-1.432900894
LIPID-P-0807	TG(14:0/20:0/20:1)	1.267114146	0.335781862	-1.574403794
LIPID-P-0838	TG(14:0/14:0/18:2)	0.715039932	0.61093893	-0.710899922
LIPID-P-0839	TG(14:1/16:0/16:1)	1.081072688	0.487905336	-1.035326835
LIPID-P-0840	TG(14:0/16:1/18:1)	0.453709127	0.471406834	-1.084955421

LIPID-P-0842	TG(16:0/16:1/16:1)	0.806916584	0.412765957	-1.276604104
LIPID-P-0844	TG(14:0/16:0/18:2)	1.217723161	0.382840197	-1.385185779
LIPID-P-0845	TG(14:0/18:0/18:2)	0.460973632	0.61441937	-0.702704396
LIPID-P-0846	TG(14:0/18:1/18:1)	0.480014528	0.528803587	-0.919196132
LIPID-P-0847	TG(16:0/16:1/18:1)	0.50513597	0.519177049	-0.945701488
LIPID-P-0852	TG(16:0/16:1/20:1)	0.564930913	0.578885059	-0.788651173
LIPID-P-0853	TG(14:0/18:1/20:1)	0.346013528	0.695788003	-0.523280292
LIPID-P-0856	TG(14:0/18:0/20:2)	1.255163681	0.421714036	-1.245663055
LIPID-P-0858	TG(16:0/16:1/22:1)	0.133556941	0.795372668	-0.330297108
LIPID-P-0859	TG(14:0/20:1/20:1)	0.310176132	0.742114082	-0.430287111
LIPID-P-0860	TG(16:1/18:1/20:0)	0.575864373	0.695605868	-0.523657993
LIPID-P-0861	TG(18:0/18:1/18:1)	0.812971768	0.68773038	-0.540085017
LIPID-P-0863	TG(14:0/18:2/22:0)	1.206318177	0.459400699	-1.122175044
LIPID-P-0864	TG(14:0/20:0/20:2)	1.545060377	0.314943025	-1.666837233
LIPID-P-0865	TG(14:0/20:1/22:1)	1.586090859	0.372015794	-1.426564224
LIPID-P-0869	TG(18:1/18:1/20:0)	1.031911492	0.624520806	-0.67917846
LIPID-P-0874	TG(16:0/18:2/22:0)	1.824743112	0.300131806	-1.736331881
LIPID-P-0897	TG(12:0/18:0/18:3)	0.347576847	0.791389543	-0.337540092
LIPID-P-0898	TG(14:1/16:1/18:1)	0.101704187	0.719348799	-0.475236619
LIPID-P-0900	TG(14:0/16:1/18:2)	0.277176319	0.680696155	-0.554917135
LIPID-P-0902	TG(14:0/16:0/18:3)	0.77147495	0.489440942	-1.030793307
LIPID-P-0906	TG(14:0/18:1/18:2)	0.395969534	0.728631258	-0.456739207
LIPID-P-0907	TG(16:0/16:1/18:2)	0.079471904	0.731235728	-0.451591532
LIPID-P-0910	TG(14:0/18:0/18:3)	1.30670375	0.336724965	-1.570357406
LIPID-P-0913	TG(14:0/18:1/20:2)	0.04078336	0.908931034	-0.137757263
LIPID-P-0915	TG(14:0/18:2/20:1)	0.288568519	0.770376305	-0.376364766
LIPID-P-0917	TG(16:0/16:1/20:2)	0.260162163	0.770996625	-0.37520355
LIPID-P-0918	TG(14:0/18:0/20:3)	0.568945979	0.569359588	-0.812587997

LIPID-P-0921	TG(16:0/16:0/22:3)	0.351527819	0.772625402	-0.372158984
LIPID-P-0922	TG(16:1/18:2/20:0)	0.698847781	1.264391506	0.338443248
LIPID-P-0923	TG(14:0/20:1/20:2)	0.175244503	0.768123374	-0.380590044
LIPID-P-0928	TG(18:0/18:1/18:2)	0.955771593	0.663347492	-0.592163275
LIPID-P-0931	TG(18:1/18:2/20:0)	1.0324823	1.463713771	0.549633462
LIPID-P-0932	TG(14:0/20:1/22:2)	0.67847783	1.20948614	0.274394236
LIPID-P-0936	TG(14:0/20:2/22:1)	0.449709867	0.757702721	-0.400296166
LIPID-P-0937	TG(16:0/18:0/22:3)	0.874895877	0.591727325	-0.756995576
LIPID-P-0940	TG(14:0/20:0/22:3)	1.209634193	0.57733347	-0.79252323
LIPID-P-0971	TG(12:0/18:2/18:2)	0.344379144	0.811840525	-0.300731737
LIPID-P-0977	TG(16:1/16:1/18:2)	0.409172417	0.979050405	-0.030544957
LIPID-P-0978	TG(14:0/16:0/20:4)	1.415532548	0.264926764	-1.916334499
LIPID-P-0980	TG(14:0/18:1/18:3)	0.321558714	0.858806961	-0.21959421
LIPID-P-0983	TG(16:0/16:1/18:3)	0.355207408	0.657505231	-0.604925723
LIPID-P-0985	TG(14:0/18:1/20:3)	0.536126094	1.116264639	0.158679095
LIPID-P-0987	TG(14:0/18:2/20:2)	0.011326665	0.969192984	-0.045144133
LIPID-P-0989	TG(14:0/16:0/22:4)	0.575339112	0.790645754	-0.338896651
LIPID-P-0991	TG(14:0/18:0/20:4)	1.107108339	0.305174671	-1.71229287
LIPID-P-0993	TG(18:1/18:1/18:2)	0.561387949	1.177295132	0.23547603
LIPID-P-0996	TG(14:0/20:2/20:2)	0.174410776	0.907793517	-0.139563909
LIPID-P-0997	TG(16:0/16:1/22:3)	0.156600216	0.808390277	-0.306876126
LIPID-P-0998	TG(14:0/18:0/22:4)	0.926642258	0.610897528	-0.710997693
LIPID-P-0999	TG(14:0/20:1/20:3)	0.306646717	0.657243283	-0.605500603
LIPID-P-1002	TG(14:0/20:0/20:4)	1.101743859	0.420382695	-1.250224812
LIPID-P-1003	TG(18:1/18:3/20:0)	0.155335048	1.006498154	0.009344526
LIPID-P-1004	TG(14:0/20:2/22:2)	1.100534259	1.505862015	0.590589579
LIPID-P-1005	TG(16:1/20:1/20:2)	0.651068067	0.763882544	-0.388577271
LIPID-P-1006	TG(18:2/18:2/20:0)	0.402688911	0.816483738	-0.292503943

LIPID-P-1012	TG(18:0/18:3/20:1)	0.036258504	0.920820719	-0.1190078
LIPID-P-1018	TG(18:1/20:1/20:2)	0.229917649	1.031364238	0.044553927
LIPID-P-1019	TG(14:0/22:1/22:3)	0.044601034	0.976848842	-0.033792758
LIPID-P-1020	TG(18:2/18:2/22:0)	0.750166941	0.670514753	-0.576659019
LIPID-P-1032	TG(16:0/16:1/18:4)	0.545903336	1.116005357	0.158343952
LIPID-P-1036	TG(14:0/18:2/18:3)	0.078501547	0.880134215	-0.184204553
LIPID-P-1040	TG(16:1/16:1/20:3)	0.720798563	1.336541631	0.418504776
LIPID-P-1043	TG(16:0/16:1/20:4)	0.482445644	0.750114227	-0.41481779
LIPID-P-1044	TG(14:0/18:3/20:2)	0.365406716	0.773190187	-0.371104768
LIPID-P-1048	TG(14:0/18:1/20:4)	0.988472573	0.347766968	-1.523807186
LIPID-P-1050	TG(18:1/18:2/18:2)	0.138767692	1.013176686	0.018885785
LIPID-P-1052	TG(18:0/18:2/18:3)	0.076847703	0.974841806	-0.036759973
LIPID-P-1057	TG(16:0/16:1/22:4)	1.16875863	0.399594569	-1.323391119
LIPID-P-1058	TG(14:0/20:1/20:4)	1.114049092	0.427744996	-1.225177116
LIPID-P-1059	TG(18:2/18:3/20:0)	1.197327777	0.489085561	-1.03184122
LIPID-P-1061	TG(18:1/18:3/20:1)	1.256586754	0.472464969	-1.081720732
LIPID-P-1064	TG(16:0/18:2/22:3)	1.008062831	0.449829812	-1.152548818
LIPID-P-1065	TG(14:0/20:1/22:4)	0.961189988	0.409434684	-1.288294773
LIPID-P-1066	TG(14:0/20:4/22:1)	0.978665492	0.575285177	-0.797650798
LIPID-P-1067	TG(18:0/18:3/20:2)	0.488990646	0.680897717	-0.554489999
LIPID-P-1070	TG(18:2/18:3/22:0)	1.358860089	0.544159077	-0.877899631
LIPID-P-1071	TG(14:0/22:1/22:4)	1.282320274	0.491151389	-1.025760315
LIPID-P-1078	TG(16:0/20:4/22:1)	1.402974464	0.46992346	-1.089502302
LIPID-P-1083	TG(14:0/18:2/20:4)	0.398318507	1.166630164	0.222347282
LIPID-P-1084	TG(16:1/18:1/18:4)	0.361360251	1.09464783	0.1304668
LIPID-P-1085	TG(14:0/18:3/20:3)	0.007616368	1.012471096	0.017880723
LIPID-P-1090	TG(16:0/16:1/20:5)	0.106124998	0.822787077	-0.28140896
LIPID-P-1092	TG(16:0/16:0/22:6)	0.574677278	0.6251306	-0.677770472

LIPID-P-1093	TG(18:2/18:2/18:2)	1.13584531	0.531518722	-0.911807586
LIPID-P-1094	TG(18:1/18:2/18:3)	0.317190833	0.833899379	-0.262054782
LIPID-P-1095	TG(14:0/18:3/22:3)	0.107230845	0.926125154	-0.110720927
LIPID-P-1099	TG(14:0/20:2/20:4)	0.69842365	0.636996529	-0.650642583
LIPID-P-1100	TG(16:0/16:1/22:5)	0.873435019	0.578126178	-0.790543693
LIPID-P-1103	TG(14:0/20:1/22:5)	1.31128399	0.438090659	-1.190698641
LIPID-P-1105	TG(14:0/20:2/22:4)	0.786656145	0.56512227	-0.823365053
LIPID-P-1106	TG(14:0/20:4/22:2)	0.468600454	1.111716499	0.15278893
LIPID-P-1107	TG(18:1/18:3/20:2)	0.383860338	0.745327217	-0.424054151
LIPID-P-1108	TG(16:0/18:3/22:3)	0.531351169	0.633134027	-0.659417162
LIPID-P-1110	TG(18:0/18:3/20:3)	1.275149075	0.461630162	-1.115190606
LIPID-P-1115	TG(16:0/20:4/22:2)	0.088564942	0.996036148	-0.005729994
LIPID-P-1125	TG(18:2/18:2/18:3)	1.062768088	0.558668714	-0.839935064
LIPID-P-1126	TG(18:1/18:3/18:3)	0.987587932	0.602659559	-0.730584837
LIPID-P-1129	TG(14:0/20:3/20:4)	0.297660529	0.855867828	-0.224540077
LIPID-P-1131	TG(14:0/20:2/20:5)	0.511916496	1.282392155	0.358837505
LIPID-P-1133	TG(16:0/16:1/22:6)	0.659335451	1.207898819	0.272499611
LIPID-P-1136	TG(14:0/20:4/22:3)	0.249409497	0.956220328	-0.06458502
LIPID-P-1139	TG(18:2/18:3/20:2)	0.035296685	1.036019763	0.051051524
LIPID-P-1140	TG(14:0/20:2/22:5)	0.445801231	0.818105883	-0.289640519
LIPID-P-1141	TG(16:0/18:1/22:6)	0.822632368	1.358463781	0.441976102
LIPID-P-1142	TG(14:0/22:3/22:4)	0.451112061	1.330759702	0.412250084
LIPID-P-1147	TG(18:0/18:1/22:6)	0.14798526	0.89054009	-0.167247535
LIPID-P-1155	TG(14:0/20:3/20:5)	1.341043764	2.135247208	1.094403107
LIPID-P-1156	TG(16:1/16:1/22:6)	0.790678543	1.634610194	0.708946637
LIPID-P-1157	TG(14:0/20:4/20:4)	1.341066958	2.041481815	1.029616716
LIPID-P-1158	TG(14:0/18:2/22:6)	1.148632516	2.061261043	1.043527223
LIPID-P-1160	TG(14:0/20:4/22:4)	0.239800819	0.960047361	-0.058822516

LIPID-P-1161	TG(14:0/20:5/22:3)	1.042159092	1.610186303	0.687227622
LIPID-P-1163	TG(18:1/18:3/20:4)	1.446064449	1.967141563	0.976100783
LIPID-P-1164	TG(18:2/18:3/20:3)	0.877684586	1.898329381	0.924730337
LIPID-P-1165	TG(16:0/18:3/22:5)	0.935284339	1.780152804	0.832001084
LIPID-P-1166	TG(14:0/20:2/22:6)	1.055529722	1.915907198	0.938027682
LIPID-P-1170	TG(14:0/22:3/22:5)	0.816287767	1.543502178	0.626207518
LIPID-P-1171	TG(16:0/20:5/22:3)	0.634504893	1.236884589	0.306710891
LIPID-P-1172	TG(18:1/18:3/22:4)	1.599273373	2.441159939	1.28756682
LIPID-P-1173	TG(14:0/22:2/22:6)	1.597785318	2.30779137	1.206512807
LIPID-P-1178	TG(14:0/20:5/22:4)	0.434773047	1.343157576	0.425628568
LIPID-P-1179	TG(18:2/18:3/20:4)	1.055087965	1.836132848	0.876670445
LIPID-P-1180	TG(16:1/20:4/20:4)	1.766244038	3.282039676	1.71459268
LIPID-P-1182	TG(14:0/20:3/22:6)	1.45216261	2.526690308	1.337248846
LIPID-P-1184	TG(18:2/18:3/22:4)	1.322455703	2.804793542	1.487894579
LIPID-P-1185	TG(14:0/22:3/22:6)	1.477717897	2.806816084	1.488934534
LIPID-P-1186	TG(18:1/18:3/22:5)	1.368620696	2.231708381	1.158148522
LIPID-P-1187	TG(16:0/20:4/22:5)	1.496658245	0.492659564	-1.021337031
LIPID-P-1189	TG(18:0/20:3/22:6)	1.137278341	1.63419888	0.708583568
LIPID-P-1195	TG(18:2/18:3/22:5)	0.857216405	1.692589792	0.759232371
LIPID-P-1196	TG(16:0/20:4/22:6)	0.89322378	1.909246701	0.933003531

Western Blot image

Fig4G-CPT1A

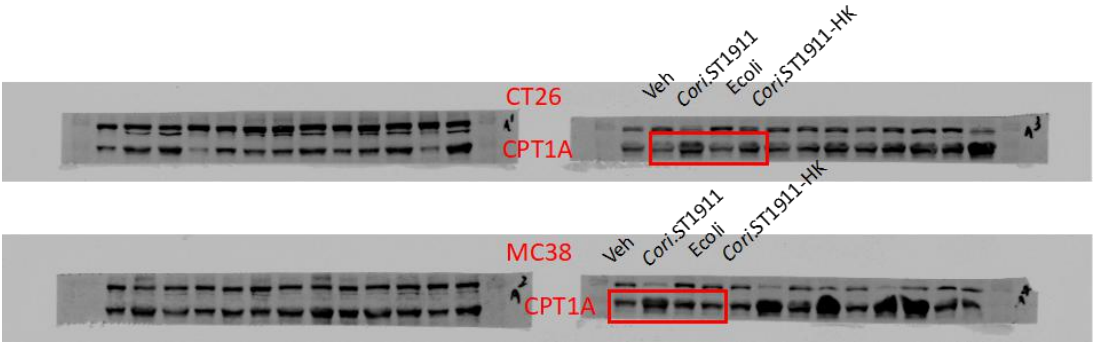


Fig4G-CPT2

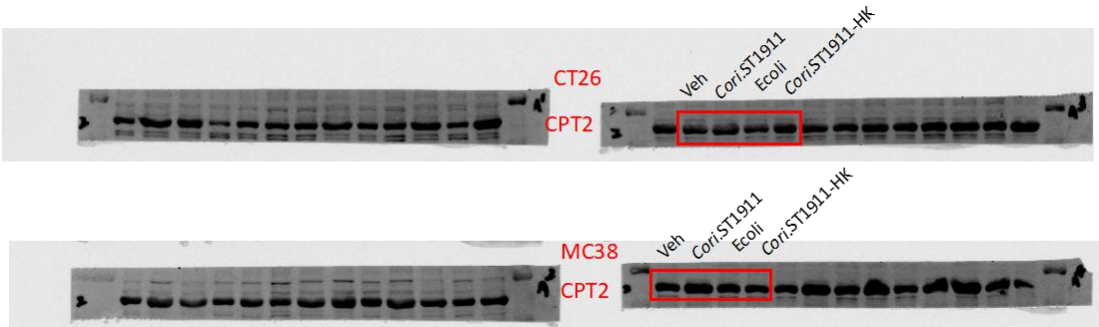


Fig4G-GAPDH

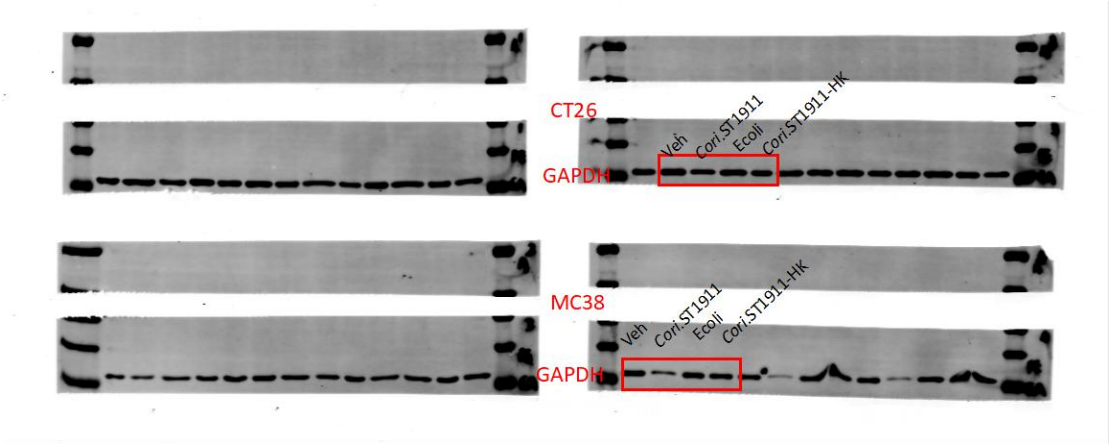


Fig5B

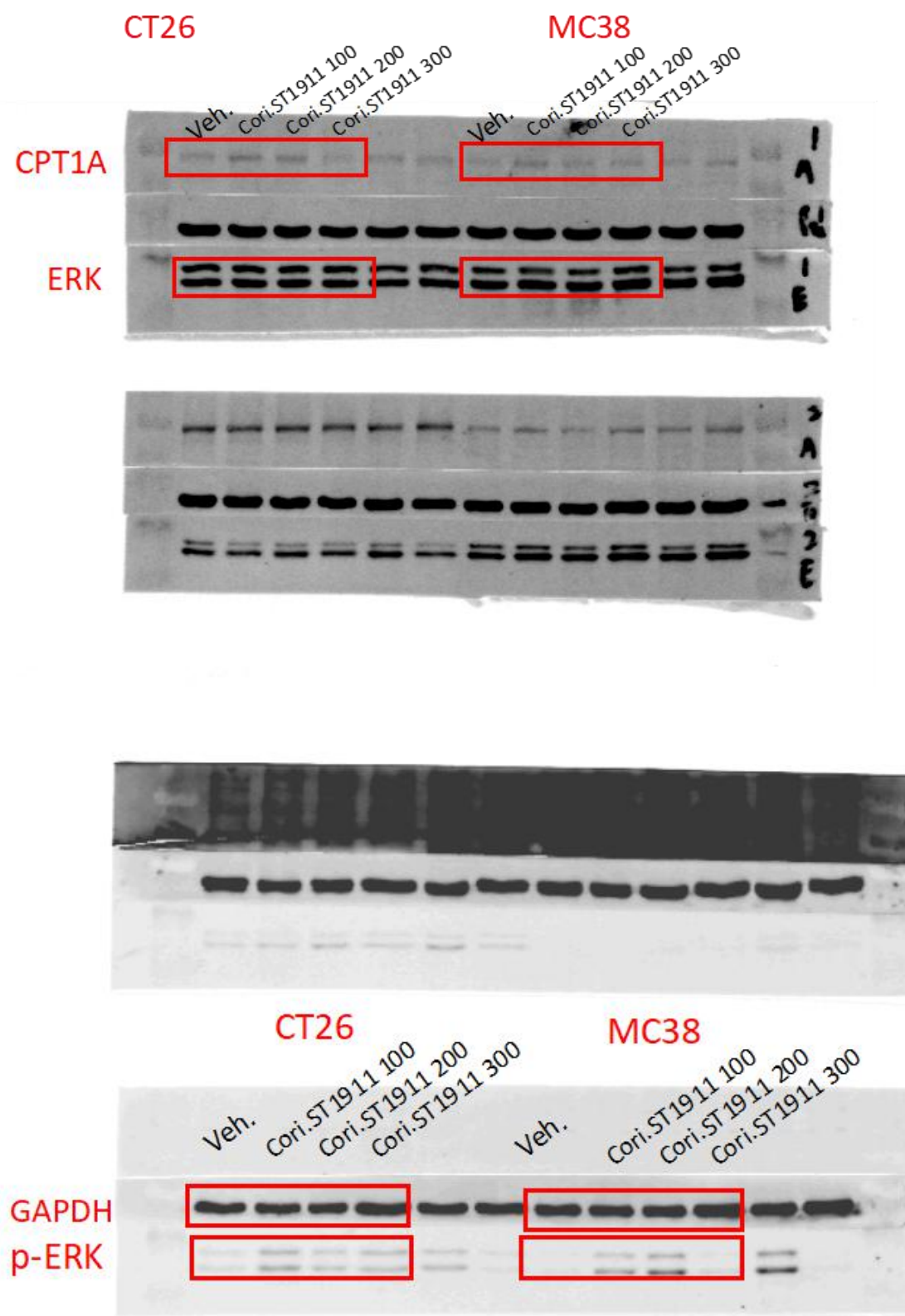


Fig5C

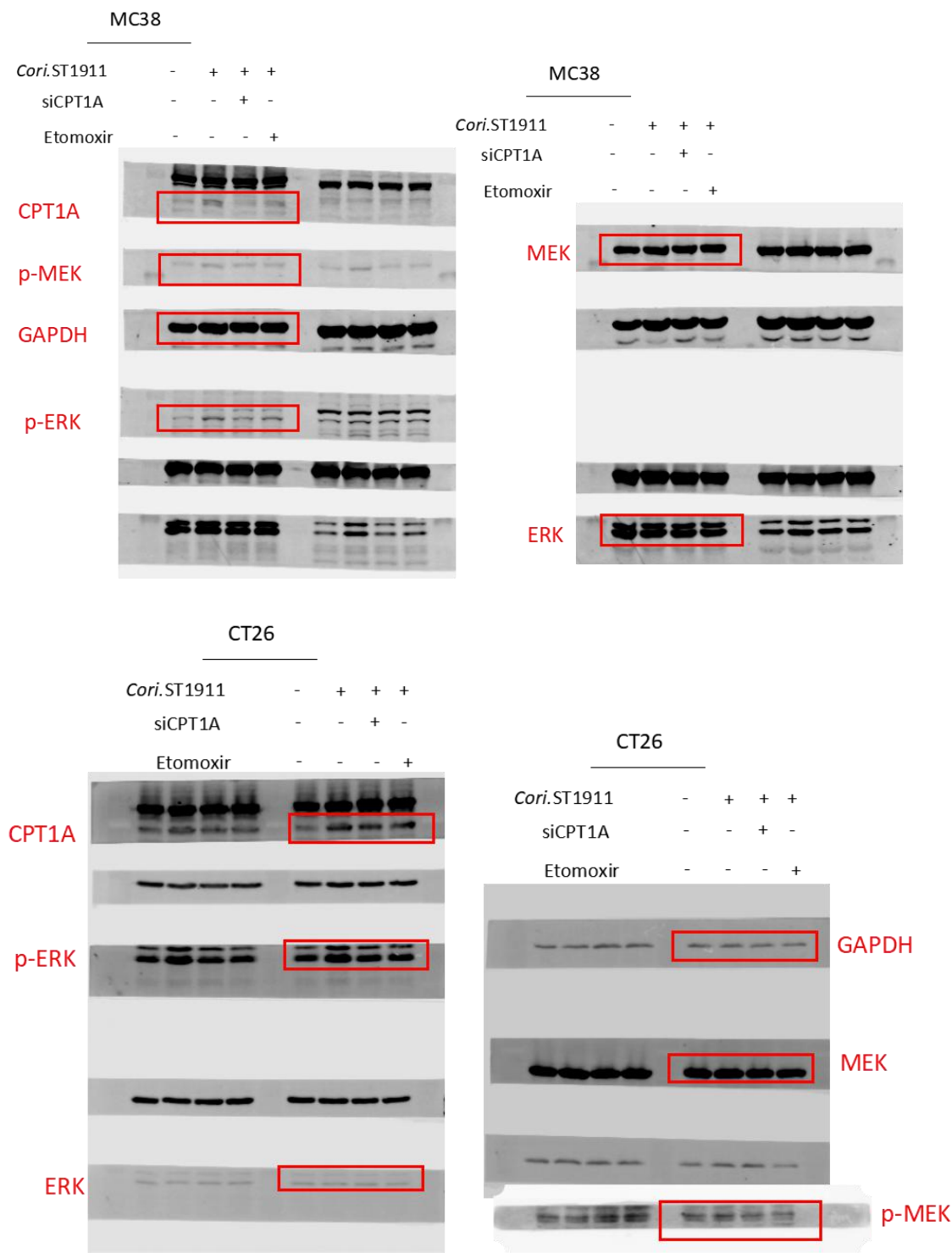


Fig5I

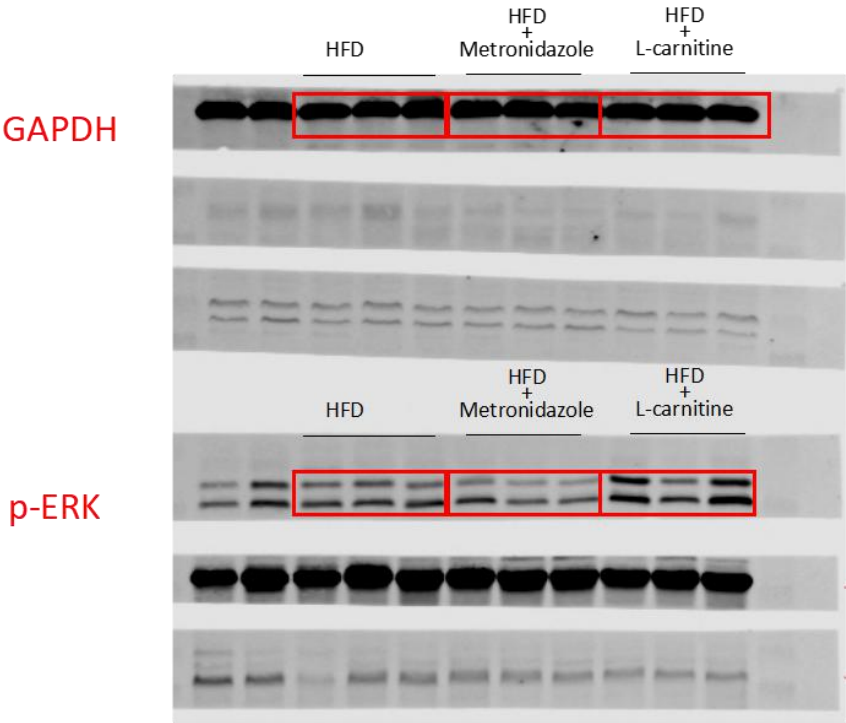


Fig6E

