

分析法	サービス名	クラス	対象物質数
ターゲット	マルチリン脂質	PC, LPC, PE, LPE, PS, LPS, PI, LPI, PG, LPG, PA, LPA, PIP1, PIP2, PIP3, SM, Cer(2), Glu/Gal(Gb1)Cer, LacCer(Gb2), Sphingosine, Sphinganine, Sphingosine-1P, Sphinganine-1P	377 (哺乳類) 391 (菌類)
ターゲット	エイコサノイド・ドコサノイド	PG, TX, LX, 12-HHT, HETE, HpETE, oxoETE, EpETE, HDoPE, HOTrE 等	123
ノンターゲット	網羅的 (同定)	—	数千～
ノンターゲット	網羅的 (未同定)	—	数千～
ノンターゲット	皮膚セラミド	Cer1～10(11)	数百～

エイコサノイド・ドコサノイド アノテーションリスト

AA (20:4)	EPA (20:5)	DPA (22:5, n3)	DHA (22:6)	ALA (18:3)
PGD2	14,15-diHETE	7-HDoPE	4-HDoHE	9-HOTrEgamma
PGE2	17,18-diHETE	10-HDoPE	7-HDoHE	13-HOTrEgamma
PGF2a	PGE3	13-HDoPE	10-HDoHE	9-HpOTrEgamma
8iso-15epiPGF2a	PGD3	17-HDoPE	11-HDoHE	13-HpOTrEgamma
8iso-PGF2a	LXA5	20-HDoPE	13-HDoHE	
11b-PGF2a	LTB5	7,8-diHDoPE	14-HDoHE	
8iso-PGF1b	5-HEPE	7,17-diHDoPE	17-HDoHE	
PGJ2	8-HEPE	10,11-diHDoPE	20-HDoHE	
PGJ2,15-deoxy	12-HEPE	10,17-diHDoPE	22-HDoHE	
6-ketoPGF1a	15-HEPE	13,14-diHDoPE	17oxoDHA	
TXB2	18-HEPE	13,20-diHDoPE	4,14-diHDoHE	
12-HHT	20-HEPE	16,17-diHDoPE	4,20-diHDoHE	
13,14dihydro15ketoPGE2	5,15-diHEPE	19,20-diHDoPE	7,14-diHDoHE (MaR1)	
13,14dihydro15ketoPGF2a	8,15-diHEPE		7,17-diHDoHE (RvD5)	
13,14dihydro15ketoPGD2	8,18-diHEPE		8,20-diHDoHE	
20-hydroxy PGE2	11,18-diHEPE		10,17-diHDoHE (PD1)	
15-oxoPGE2	9,18-diHEPE		10,20-diHDoHE	
20-hydroxy LTB4	12,18-diHEPE		11,20-diHDoHE	
LTB4	15,18-diHEPE		13,20-diHDoHE	
5-HETE	17,18-diHEPE		14,20-diHDoHE	
8-HETE	14,15-EpETE		20,22-diHDoHE	
12-HETE	17,18-EpETE		19,20-diHDoHE	
15-HETE	RvE1		13,14-diHDoHE (MaR2)	
18-HETE	RvE2		RvD1	
19-HETE			RvD2	
17-HETE			RvD3	
LXA4			RvD4	
LXB4				
5,6-diHETE				
5,15-diHETE				
8,15-diHETE				
5,6-EET				
8,9-EET				
11,12-EET				
5-oxoETE				
15-oxoETE				
15S-HpETE				
12S-HpETE				

LA (18:2)	Fatty acid
9-HODE	FA14:0
13-HODE	FA16:0
9-KODE	FA18:0
13-KODE	FA18:1
9-HpODE	FA18:2
13-HpODE	FA18:3
	FA20:1
	AA20:4
	EPA20:5
	DPA22:5 (n3)
	DHA22:6

略語一覧

AA	Arachidonic acid	oxoETE	Oxo-eicosatetraenoic acid
EPA	Eicosapentaenoic acid	HEPE	Hydroxy-eicosapentaenoic acid
DPA	Docosapentaenoic acid	EpETE	Epoxy eicosatetraenoic acid
DHA	Docosahexaenoic acid	RvD	Resolvin D
ALA	α-Linolenic acid	RvE	Resolvin E
LA	Linoleic acid	HDoHE	Hydroxy docosahexaenoic acid
PG	Prostaglandin	MaR	Maresin
TX	Thromboxane	PD1	Protectin D1
LX	Lipoxin	HDoPE	Hydroxy-docosapentaenoic acid
12-HHT	12-L-Hydroxy-5,8,10-heptadecatrienoic acid	HOTrE	Hydroxy-octadecatrienoic acid
LT	Leukotriene	HpOTrE	Hydroperoxy-octadecatrienoic acid
HETE	Hydroxy-eicosatetraenoic acid	HODE	Hydroxy-octadecadienoic acid
HpETE	Hydroperoxy-eicosatetraenoic acid	HpODE	Hydroperoxy-octadecadienoic acid
EET	Epoxy-eicosatrienoic acid	KODE	Oxo-octadecadienoic acid

マルチリン脂質（哺乳類）アノテーションリスト

PC		PE		PS		PIP1		PIP2	
diacyl 32:0	diacyl 38:2	diacyl 32:0	diacyl 38:2	diacyl 32:0	diacyl 38:2	diacyl 32:0	diacyl 38:2	diacyl 32:0	diacyl 38:2
diacyl 32:1	diacyl 38:3	diacyl 32:1	diacyl 38:3	diacyl 32:1	diacyl 38:3	diacyl 32:1	diacyl 38:3	diacyl 32:1	diacyl 38:3
diacyl 34:0	diacyl 38:4	diacyl 34:0	diacyl 38:4	diacyl 34:0	diacyl 38:4	diacyl 34:0	diacyl 38:4	diacyl 34:0	diacyl 38:4
diacyl 34:1	diacyl 38:5	diacyl 34:1	diacyl 38:5	diacyl 34:1	diacyl 38:5	diacyl 34:1	diacyl 38:5	diacyl 34:1	diacyl 38:5
diacyl 34:2	diacyl 38:6	diacyl 34:2	diacyl 38:6	diacyl 34:2	diacyl 38:6	diacyl 34:2	diacyl 38:6	diacyl 34:2	diacyl 38:6
diacyl 36:0	diacyl 40:0	diacyl 36:0	diacyl 40:0	diacyl 36:0	diacyl 40:0	diacyl 36:0	diacyl 40:0	diacyl 36:0	diacyl 40:0
diacyl 36:1	diacyl 40:1	diacyl 36:1	diacyl 40:1	diacyl 36:1	diacyl 40:1	diacyl 36:1	diacyl 40:1	diacyl 36:1	diacyl 40:1
diacyl 36:2	diacyl 40:2	diacyl 36:2	diacyl 40:2	diacyl 36:2	diacyl 40:2	diacyl 36:2	diacyl 40:2	diacyl 36:2	diacyl 40:2
diacyl 36:3	diacyl 40:3	diacyl 36:3	diacyl 40:3	diacyl 36:3	diacyl 40:3	diacyl 36:3	diacyl 40:3	diacyl 36:3	diacyl 40:3
diacyl 36:4	diacyl 40:4	diacyl 36:4	diacyl 40:4	diacyl 36:4	diacyl 40:4	diacyl 36:4	diacyl 40:4	diacyl 36:4	diacyl 40:4
diacyl 36:5	diacyl 40:5	diacyl 36:5	diacyl 40:5	diacyl 36:5	diacyl 40:5	diacyl 36:5	diacyl 40:5	diacyl 36:5	diacyl 40:5
diacyl 38:0	diacyl 40:6	diacyl 38:0	diacyl 40:6	diacyl 38:0	diacyl 40:6	diacyl 38:0	diacyl 40:6	diacyl 38:0	diacyl 40:6
diacyl 38:1		diacyl 38:1		diacyl 38:1		diacyl 38:1		diacyl 38:1	

PI		PG		PA		PIP3		Sphingosine	
diacyl 32:0	diacyl 38:2	diacyl 32:0	diacyl 38:2	diacyl 32:0	diacyl 38:2	diacyl 32:0	diacyl 38:2	d18:1	
diacyl 32:1	diacyl 38:3	diacyl 32:1	diacyl 38:3	diacyl 32:1	diacyl 38:3	diacyl 32:1	diacyl 38:3		
diacyl 34:0	diacyl 38:4	diacyl 34:0	diacyl 38:4	diacyl 34:0	diacyl 38:4	diacyl 34:0	diacyl 38:4		
diacyl 34:1	diacyl 38:5	diacyl 34:1	diacyl 38:5	diacyl 34:1	diacyl 38:5	diacyl 34:1	diacyl 38:5		
diacyl 34:2	diacyl 38:6	diacyl 34:2	diacyl 38:6	diacyl 34:2	diacyl 38:6	diacyl 34:2	diacyl 38:6		
diacyl 36:0	diacyl 40:0	diacyl 36:0	diacyl 40:0	diacyl 36:0	diacyl 40:0	diacyl 36:0	diacyl 40:0		
diacyl 36:1	diacyl 40:1	diacyl 36:1	diacyl 40:1	diacyl 36:1	diacyl 40:1	diacyl 36:1	diacyl 40:1		
diacyl 36:2	diacyl 40:2	diacyl 36:2	diacyl 40:2	diacyl 36:2	diacyl 40:2	diacyl 36:2	diacyl 40:2		
diacyl 36:3	diacyl 40:3	diacyl 36:3	diacyl 40:3	diacyl 36:3	diacyl 40:3	diacyl 36:3	diacyl 40:3		
diacyl 36:4	diacyl 40:4	diacyl 36:4	diacyl 40:4	diacyl 36:4	diacyl 40:4	diacyl 36:4	diacyl 40:4		
diacyl 36:5	diacyl 40:5	diacyl 36:5	diacyl 40:5	diacyl 36:5	diacyl 40:5	diacyl 36:5	diacyl 40:5		
diacyl 38:0	diacyl 40:6	diacyl 38:0	diacyl 40:6	diacyl 38:0	diacyl 40:6	diacyl 38:0	diacyl 40:6		
diacyl 38:1		diacyl 38:1		diacyl 38:1		diacyl 38:1			

LPC		LPE		LPS		SM		Cer(2)	
acyl 16:0	acyl 20:4	acyl 16:0	acyl 20:4	acyl 16:0	acyl 20:4	d18:1/c16:0		d18:1/c16:0	
acyl 16:1	acyl 20:5	acyl 16:1	acyl 20:5	acyl 16:1	acyl 20:5	d18:1/c16:1		d18:1/c16:1	
acyl 18:0	acyl 22:0	acyl 18:0	acyl 22:0	acyl 18:0	acyl 22:0	d18:1/c18:0		d18:1/c18:0	
acyl 18:1	acyl 22:1	acyl 18:1	acyl 22:1	acyl 18:1	acyl 22:1	d18:1/c18:1		d18:1/c18:1	
acyl 18:2	acyl 22:2	acyl 18:2	acyl 22:2	acyl 18:2	acyl 22:2	d18:1/c20:0		d18:1/c20:0	
acyl 20:0	acyl 22:3	acyl 20:0	acyl 22:3	acyl 20:0	acyl 22:3	d18:1/c20:1		d18:1/c20:1	
acyl 20:1	acyl 22:4	acyl 20:1	acyl 22:4	acyl 20:1	acyl 22:4	d18:1/c22:0		d18:1/c22:0	
acyl 20:2	acyl 22:5	acyl 20:2	acyl 22:5	acyl 20:2	acyl 22:5	d18:1/c22:1		d18:1/c22:1	
acyl 20:3	acyl 22:6	acyl 20:3	acyl 22:6	acyl 20:3	acyl 22:6	d18:1/c24:0		d18:1/c24:0	
						d18:1/c24:1		d18:1/c24:1	

LPI		LPG		LPA		Glu/Gal(Gb1)Cer		LacCer(Gb2)	
acyl 16:0	acyl 20:4	acyl 16:0	acyl 20:4	acyl 16:0	acyl 20:4	d18:1/c16:0		d18:1/c16:0	
acyl 16:1	acyl 20:5	acyl 16:1	acyl 20:5	acyl 16:1	acyl 20:5	d18:1/c16:1		d18:1/c16:1	
acyl 18:0	acyl 22:0	acyl 18:0	acyl 22:0	acyl 18:0	acyl 22:0	d18:1/c18:0		d18:1/c18:0	
acyl 18:1	acyl 22:1	acyl 18:1	acyl 22:1	acyl 18:1	acyl 22:1	d18:1/c18:1		d18:1/c18:1	
acyl 18:2	acyl 22:2	acyl 18:2	acyl 22:2	acyl 18:2	acyl 22:2	d18:1/c20:0		d18:1/c20:0	
acyl 20:0	acyl 22:3	acyl 20:0	acyl 22:3	acyl 20:0	acyl 22:3	d18:1/c20:1		d18:1/c20:1	
acyl 20:1	acyl 22:4	acyl 20:1	acyl 22:4	acyl 20:1	acyl 22:4	d18:1/c22:0		d18:1/c22:0	
acyl 20:2	acyl 22:5	acyl 20:2	acyl 22:5	acyl 20:2	acyl 22:5	d18:1/c22:1		d18:1/c22:1	
acyl 20:3	acyl 22:6	acyl 20:3	acyl 22:6	acyl 20:3	acyl 22:6	d18:1/c24:0		d18:1/c24:0	
						d18:1/c24:1		d18:1/c24:1	

略語一覧

PC	Phosphatidylcholine	PA	Phosphatidic acid
LPC	Lysophosphatidylcholine	LPA	Lysophosphatidic acid
PE	Phosphatidylethanolamine	PIP1	Phosphatidylinositol monophosphate
LPE	Lysophosphatidylethanolamine	PIP2	Phosphatidylinositol bisphosphate
PS	Phosphatidylserine	PIP3	Phosphatidylinositol triphosphate
LPS	Lysophosphatidylserine	SM	Sphingomyelin
PI	Phosphatidylinositol	Cer(2)	Ceramide 2
LPI	Lysophosphatidylinositol	Glu/Gal(Gb1)Cer	Glucosyl/Galactosylceramide
PG	Phosphatidylglycerol	LacCer(Gb2)	Lactosylceramide
LPG	Lysophosphatidylglycerol		

マルチリン脂質（菌類）アノテーションリスト

PC		PE		PS		PIP1		PIP2	
diacyl 28:0	diacyl 35:0	diacyl 28:0	diacyl 35:0	diacyl 28:0	diacyl 35:0	diacyl 28:0	diacyl 35:0	diacyl 28:0	diacyl 35:0
diacyl 28:1	diacyl 35:1	diacyl 28:1	diacyl 35:1	diacyl 28:1	diacyl 35:1	diacyl 28:1	diacyl 35:1	diacyl 28:1	diacyl 35:1
diacyl 29:0	diacyl 35:2	diacyl 29:0	diacyl 35:2	diacyl 29:0	diacyl 35:2	diacyl 29:0	diacyl 35:2	diacyl 29:0	diacyl 35:2
diacyl 29:1	diacyl 36:0	diacyl 29:1	diacyl 36:0	diacyl 29:1	diacyl 36:0	diacyl 29:1	diacyl 36:0	diacyl 29:1	diacyl 36:0
diacyl 30:0	diacyl 36:1	diacyl 30:0	diacyl 36:1	diacyl 30:0	diacyl 36:1	diacyl 30:0	diacyl 36:1	diacyl 30:0	diacyl 36:1
diacyl 30:1	diacyl 36:2	diacyl 30:1	diacyl 36:2	diacyl 30:1	diacyl 36:2	diacyl 30:1	diacyl 36:2	diacyl 30:1	diacyl 36:2
diacyl 31:0	diacyl 36:3	diacyl 31:0	diacyl 36:3	diacyl 31:0	diacyl 36:3	diacyl 31:0	diacyl 36:3	diacyl 31:0	diacyl 36:3
diacyl 31:1	diacyl 36:4	diacyl 31:1	diacyl 36:4	diacyl 31:1	diacyl 36:4	diacyl 31:1	diacyl 36:4	diacyl 31:1	diacyl 36:4
diacyl 32:0	diacyl 37:0	diacyl 32:0	diacyl 37:0	diacyl 32:0	diacyl 37:0	diacyl 32:0	diacyl 37:0	diacyl 32:0	diacyl 37:0
diacyl 32:1	diacyl 37:1	diacyl 32:1	diacyl 37:1	diacyl 32:1	diacyl 37:1	diacyl 32:1	diacyl 37:1	diacyl 32:1	diacyl 37:1
diacyl 32:2	diacyl 37:2	diacyl 32:2	diacyl 37:2	diacyl 32:2	diacyl 37:2	diacyl 32:2	diacyl 37:2	diacyl 32:2	diacyl 37:2
diacyl 33:0	diacyl 38:0	diacyl 33:0	diacyl 38:0	diacyl 33:0	diacyl 38:0	diacyl 33:0	diacyl 38:0	diacyl 33:0	diacyl 38:0
diacyl 33:1	diacyl 38:1	diacyl 33:1	diacyl 38:1	diacyl 33:1	diacyl 38:1	diacyl 33:1	diacyl 38:1	diacyl 33:1	diacyl 38:1
diacyl 33:2	diacyl 38:2	diacyl 33:2	diacyl 38:2	diacyl 33:2	diacyl 38:2	diacyl 33:2	diacyl 38:2	diacyl 33:2	diacyl 38:2
diacyl 34:0	diacyl 38:3	diacyl 34:0	diacyl 38:3	diacyl 34:0	diacyl 38:3	diacyl 34:0	diacyl 38:3	diacyl 34:0	diacyl 38:3
diacyl 34:1	diacyl 38:4	diacyl 34:1	diacyl 38:4	diacyl 34:1	diacyl 38:4	diacyl 34:1	diacyl 38:4	diacyl 34:1	diacyl 38:4
diacyl 34:2		diacyl 34:2		diacyl 34:2		diacyl 34:2		diacyl 34:2	

PI		PG		PA		PIP3		Sphingosine	
diacyl 28:0	diacyl 35:0	diacyl 28:0	diacyl 35:0	diacyl 28:0	diacyl 35:0	diacyl 28:0	diacyl 35:0	d18:1	
diacyl 28:1	diacyl 35:1	diacyl 28:1	diacyl 35:1	diacyl 28:1	diacyl 35:1	diacyl 28:1	diacyl 35:1		
diacyl 29:0	diacyl 35:2	diacyl 29:0	diacyl 35:2	diacyl 29:0	diacyl 35:2	diacyl 29:0	diacyl 35:2		
diacyl 29:1	diacyl 36:0	diacyl 29:1	diacyl 36:0	diacyl 29:1	diacyl 36:0	diacyl 29:1	diacyl 36:0		
diacyl 30:0	diacyl 36:1	diacyl 30:0	diacyl 36:1	diacyl 30:0	diacyl 36:1	diacyl 30:0	diacyl 36:1		
diacyl 30:1	diacyl 36:2	diacyl 30:1	diacyl 36:2	diacyl 30:1	diacyl 36:2	diacyl 30:1	diacyl 36:2		
diacyl 31:0	diacyl 36:3	diacyl 31:0	diacyl 36:3	diacyl 31:0	diacyl 36:3	diacyl 31:0	diacyl 36:3		
diacyl 31:1	diacyl 36:4	diacyl 31:1	diacyl 36:4	diacyl 31:1	diacyl 36:4	diacyl 31:1	diacyl 36:4		
diacyl 32:0	diacyl 37:0	diacyl 32:0	diacyl 37:0	diacyl 32:0	diacyl 37:0	diacyl 32:0	diacyl 37:0		
diacyl 32:1	diacyl 37:1	diacyl 32:1	diacyl 37:1	diacyl 32:1	diacyl 37:1	diacyl 32:1	diacyl 37:1		
diacyl 32:2	diacyl 37:2	diacyl 32:2	diacyl 37:2	diacyl 32:2	diacyl 37:2	diacyl 32:2	diacyl 37:2		
diacyl 33:0	diacyl 38:0	diacyl 33:0	diacyl 38:0	diacyl 33:0	diacyl 38:0	diacyl 33:0	diacyl 38:0		
diacyl 33:1	diacyl 38:1	diacyl 33:1	diacyl 38:1	diacyl 33:1	diacyl 38:1	diacyl 33:1	diacyl 38:1		
diacyl 33:2	diacyl 38:2	diacyl 33:2	diacyl 38:2	diacyl 33:2	diacyl 38:2	diacyl 33:2	diacyl 38:2		
diacyl 34:0	diacyl 38:3	diacyl 34:0	diacyl 38:3	diacyl 34:0	diacyl 38:3	diacyl 34:0	diacyl 38:3		
diacyl 34:1	diacyl 38:4	diacyl 34:1	diacyl 38:4	diacyl 34:1	diacyl 38:4	diacyl 34:1	diacyl 38:4		
diacyl 34:2		diacyl 34:2		diacyl 34:2		diacyl 34:2			

LPC		LPE		LPS		SM		Cer(2)	
acyl 14:0		acyl 14:0		acyl 14:0		d18:1/c16:0		d18:1/c16:0	
acyl 14:1		acyl 14:1		acyl 14:1		d18:1/c16:1		d18:1/c16:1	
acyl 15:0		acyl 15:0		acyl 15:0		d18:1/c18:0		d18:1/c18:0	
acyl 15:1		acyl 15:1		acyl 15:1		d18:1/c18:1		d18:1/c18:1	
acyl 16:0		acyl 16:0		acyl 16:0		d18:1/c20:0		d18:1/c20:0	
acyl 16:1		acyl 16:1		acyl 16:1		d18:1/c20:1		d18:1/c20:1	
acyl 17:0		acyl 17:0		acyl 17:0					
acyl 17:1		acyl 17:1		acyl 17:1					
acyl 18:0		acyl 18:0		acyl 18:0					
acyl 18:1		acyl 18:1		acyl 18:1					
acyl 18:2		acyl 18:2		acyl 18:2					

LPI		LPG		LPA		Glu/Gal(Gb1)Cer		LacCer(Gb2)	
acyl 14:0		acyl 14:0		acyl 14:0		d18:1/c16:0		d18:1/c16:0	
acyl 14:1		acyl 14:1		acyl 14:1		d18:1/c16:1		d18:1/c16:1	
acyl 15:0		acyl 15:0		acyl 15:0		d18:1/c18:0		d18:1/c18:0	
acyl 15:1		acyl 15:1		acyl 15:1		d18:1/c18:1		d18:1/c18:1	
acyl 16:0		acyl 16:0		acyl 16:0		d18:1/c20:0		d18:1/c20:0	
acyl 16:1		acyl 16:1		acyl 16:1		d18:1/c20:1		d18:1/c20:1	
acyl 17:0		acyl 17:0		acyl 17:0					
acyl 17:1		acyl 17:1		acyl 17:1					
acyl 18:0		acyl 18:0		acyl 18:0					
acyl 18:1		acyl 18:1		acyl 18:1					
acyl 18:2		acyl 18:2		acyl 18:2					

略語一覧

PC	Phosphatidylcholine	PA	Phosphatidic acid
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PE	Phosphatidylethanolamine	PIP1	Phosphatidylinositol monophosphate
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PS	Phosphatidylserine	PIP3	Phosphatidylinositol triphosphate
LPS	Lysophosphatidylserine	SM	Sphingomyelin
PI	Phosphatidylinositol	Cer(2)	Ceramide 2
LPI	Lysophosphatidylinositol	Glu/Gal(Gb1)Cer	Glucosyl/Galactosylceramide
PG	Phosphatidylglycerol	LacCer(Gb2)	Lactosylceramide
LPG	Lysophosphatidylglycerol		