Supplementary Table 2. Species percentage and their respective classes and groups in the healthy controls, ALF survivors, and ALF non-survivors

HEALTHY			ALF SURVIVOR			ALF NON-SURVIVOR		
Group	**Class**	**Species percentage**	**Group**	**Class**	**Species percentage**	**Group**	**Class**	**Species percentage**
Fatty acyls	FA	17.26%	Fatty acyls	FA	15.28%	Neutral glycerolipid	TG	12.94%
PCholine	PC	14.02%	PCholine	PC	11.20%	PCholine	PC	12.70%
Prenol lipids	PR	7.86%	Neutral glycerolipid	TG	8.55%	Fatty acyls	FA	11.99%
Sterol Lipids	ST	7.09%	Prenol lipids	PR	6.96%	PGlycerol	PG	5.88%
Neutral glycerolipid	TG	6.75%	Sterol Lipids	ST	6.28%	Prenol lipids	PR	5.46%
PEthanol Amine	PE	6.50%	Glycerophospholipids	GP	5.75%	PEthanol Amine	PE	5.40%
Glycosphingolipids	CER	4.70%	Glycosphingolipids	CER	4.61%	Neutral glycerolipid	DG	5.10%
Polyketides	PK	4.53%	Polyketides	PK	4.01%	Sterol Lipids	ST	4.93%
PAcid	PA	3.76%	PEthanol Amine	PE	3.93%	Glycosphingolipids	CER	4.33%
PSerine	PS	3.76%	PInositol	PI	3.86%	PInositol	PI	3.86%
PInositol	PI	3.08%	Neutral glycerolipid	DG	3.56%	Polyketides	PK	3.15%
Neutral glycerolipid	DG	2.82%	PAcid	PA	3.40%	Sphingolipids	SM	3.15%
PGlycerol	PG	2.74%	PSerine	PS	3.10%	PSerine	PS	3.03%
Sphingolipids	SM	2.65%	Sphingolipids	SM	2.19%	PAcid	PA	2.91%
Glycerophospholipids	GP	2.31%	Neutral glycerolipid	MG	2.04%	Neutral glycerolipid	MG	2.73%
Neutral glycerolipid	MG	1.88%	PCholine	LPC	1.82%	PCholine	LPC	1.31%
Sphingolipids	SP	1.54%	Sphingolipids	SP	1.36%	Glycerophospholipids	GP	1.13%
Acidic glycosphingolipids	GlcCer	1.45%	Acidic glycosphingolipids	GlcCer	1.29%	Sphingolipids	SP	1.07%
Cardiolipin	CL	0.60%	PMethanol	PMe	1.21%	Acidic glycosphingolipids	GlcCer	1.01%
Phosphosphingolipids	PI-Cer	0.60%	PInositol	PIP	1.06%	PInositol	PIP	0.59%
Glycoglycerolipid	MGDG	0.51%	PGlycerol	LPG	0.76%	PMethanol	PMe	0.53%
Glycerolipids like metabolites	GL	0.43%	Cardiolipin	CL	0.68%	PGlycerol	LPG	0.53%
Glycerophosphoinositolglycans	PIM3	0.43%	Glycoglycerolipid	SQDG	0.61%	Glycoglycerolipid	SQDG	0.53%
Saccharolipids	SL	0.43%	Phosphosphingolipids	PI-Cer	0.53%	Cardiolipin	CL	0.47%
Neutral glycosphingolipids	LacCer	0.43%	Glycoglycerolipid	MGDG	0.45%	Glycoglycerolipid	MGDG	0.47%
Glycerophosphoinositolglycans	PIM4	0.26%	Glycerolipids like metabolites	GL	0.38%	Phosphosphingolipids	PI-Cer	0.42%
Phosphosphingolipids	MIPC	0.26%	Glycerophosphoinositolglycans	PIM3	0.38%	Glycerolipids like metabolites	GL	0.30%
Betaine diradylglycerols	DGTS	0.17%	Saccharolipids	SL	0.38%	Glycerophosphoinositolglycans	PIM3	0.30%

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Supplementary Table 2. Continued

HEALTHY			ALF SURVIVOR			ALF NON-SURVIVOR		
Group	**Class**	**Species percentage**	**Group**	**Class**	**Species percentage**	**Group**	**Class**	**Species percentage**
Acidic glycosphingolipids	(3'-sulfo) Galbeta-Cer	0.17%	Neutral glycosphingolipids	LacCer	0.38%	Saccharolipids	SL	0.30%
Glycosphingolipids	CerP	0.17%	PGlycerol	PG	0.30%	Neutral glycosphingolipids	LacCer	0.30%
Neutral glycosphingolipids	Galalpha1-6Glcbeta-Cer	0.17%	PSerine	LPS	0.30%	PEthanol Amine	LdMePE	0.30%
Betaine diradylglycerols	DGCC	0.09%	PEthanol	PEt	0.30%	Glycosphingolipids	CerG2	0.30%
Glycoglycerolipid	DGTA	0.09%	Sphingoid	So	0.30%	PEthanol Amine	dMePE	0.24%
Glycosylmonoradylglycerols	SQGE	0.09%	Glycerophosphoinositolglycans	PIM4	0.23%	Glycerophosphoinositolglycans	PIM4	0.18%
Glycosylglycerophospholipids	Glc-GP	0.09%	Phosphosphingolipids	MIPC	0.23%	Phosphosphingolipids	MIPC	0.18%
Glycerophosphoinositolglycans	PIM5	0.09%	Betaine diradylglycerols	DGTS	0.15%	Glycoglycerolipid	DGDG	0.18%
Acidic glycosphingolipids	GlcAbeta-Cer	0.09%	Acidic glycosphingolipids	(3'-sulfo) Galbeta-Cer	0.15%	PEthanol Amine	LPE	0.18%
Acidic glycosphingolipids	KDNGD1a	0.09%	Neutral glycosphingolipids	Galalpha1-6Glcbeta-Cer	0.15%	PInositol	PIP2	0.18%
Phosphosphingolipids	M(IP)2C	0.09%	Glycoglycerolipid	DGDG	0.15%	PSerine	LPS	0.12%
			PEthanol Amine	LdMePE	0.15%	PEthanol	PEt	0.12%
			PAcid	LPA	0.15%	Sphingoid	So	0.12%
			PEthanol Amine	LPE	0.15%	Betaine diradylglycerols	DGTS	0.12%
			PInositol	PIP2	0.15%	Acidic glycosphingolipids	(3'-sulfo) Galbeta-Cer	0.12%
			Glycosphingolipids	CerG1	0.15%	Neutral glycosphingolipids	Galalpha1-6Glcbeta-Cer	0.12%
			Glycosphingolipids	CerG2	0.15%	Glycosphingolipids	CerP	0.06%
			Glycosphingolipids	CerG3	0.15%	Betaine diradylglycerols	DGCC	0.06%
			Glycosphingolipids	CerP	0.08%	Glycoglycerolipid	DGTA	0.06%
			Betaine diradylglycerols	DGCC	0.08%	Glycosylmonoradylglycerols	SQGE	0.06%

Supplementary Table 2. Continued

HEALTHY			ALF SURVIVOR			ALF NON-SURVIVOR		
Group	**Class**	**Species percentage**	**Group**	**Class**	**Species percentage**	**Group**	**Class**	**Species percentage**
			Glycoglycerolipid	DGTA	0.08%	Glycosylglycerophospholipids	Glc-GP	0.06%
			Glycosylmonoradylglycerols	SQGE	0.08%	Glycerophosphoinositolglycans	PIM5	0.06%
			Glycosylglycerophospholipids	Glc-GP	0.08%	Acidic glycosphingolipids	GlcAbeta-Cer	0.06%
			Glycerophosphoinositolglycans	PIM5	0.08%	Acidic glycosphingolipids	KDNGD1a	0.06%
			Acidic glycosphingolipids	GlcAbeta-Cer	0.08%	Phosphosphingolipids	M(IP)2C	0.06%
			Acidic glycosphingolipids	KDNGD1a	0.08%	PInositol	LPI	0.06%
			Phosphosphingolipids	M(IP)2C	0.08%	PMethanol	LPMe	0.06%
						Steroid	ZyE	0.06%
						Sphingolipids	LSM	0.06%

ALF, acute liver failure.

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