

S6 Table. LipidFrag results for *C. elegans* MS/MS spectrum shown in S6 Fig derived from [M+HCOO]⁻ annotation.

Identifier	FragmenterScore	ForeProb	BackProb	FCP	LipidMapsClass	Liebisch	CommonName
LMGP01011601	211.078536	0.00071437	4.22E-06	0.9941219	LMGP0101_LMGP0201	PC(17:1_18:1)	PC(18:1(9Z)/17:1(9Z))
LMGP01011532	211.078536	0.00071437	4.22E-06	0.9941219	LMGP0101_LMGP0201	PC(17:1_18:1)	PC(17:1(9Z)/18:1(9Z))
LMGP01011621	204.858186	0.00090666	5.59E-06	0.99386996	LMGP0101_LMGP0201	PC(17:0_18:2)	PC(18:2(9Z,12Z)/17:0)
LMGP01011505	204.858186	0.00090666	5.59E-06	0.99386996	LMGP0101_LMGP0201	PC(17:0_18:2)	PC(17:0/18:2(9Z,12Z))
LMGP01011839	187.446603	0.00166632	1.22E-05	0.99271481	LMGP0101_LMGP0201	PC(15:0_20:2)	PC(20:2(11Z,14Z)/15:0)
LMGP01011422	187.446603	0.00166632	1.22E-05	0.99271481	LMGP0101_LMGP0201	PC(15:0_20:2)	PC(15:0/20:2(11Z,14Z))
LMGP01011561	178.884598	0.00216956	1.79E-05	0.9918015	LMGP0101_LMGP0201	PC(17:2_18:0)	PC(17:2(9Z,12Z)/18:0)
LMGP01011587	178.884597	0.00216956	1.79E-05	0.9918015	LMGP0101_LMGP0201	PC(17:2_18:0)	PC(18:0/17:2(9Z,12Z))
LMGP02010329	176.274435	0.00233929	2.01E-05	0.99146	LMGP0101_LMGP0201	PE-NMe2(18:1_18:1)	PE-NMe2(18:1(9E)/18:1(9E))
LMGP02010326	176.274435	0.00233929	2.01E-05	0.99146	LMGP0101_LMGP0201	PE-NMe2(18:1_18:1)	PE-NMe2(18:1(9Z)/18:1(9Z))
LMGP01011487	175.537514	0.00238849	2.08E-05	0.99135738	LMGP0101_LMGP0201	PC(16:1_19:1)	PC(16:1(9Z)/19:1(9Z))
LMGP01011763	175.537514	0.00238849	2.08E-05	0.99135738	LMGP0101_LMGP0201	PC(16:1_19:1)	PC(19:1(9Z)/16:1(9Z))
LMGP01011810	175.114933	0.00241695	2.12E-05	0.99129723	LMGP0101_LMGP0201	PC(15:1_20:1)	PC(20:1(11Z)/15:1(9Z))
LMGP01011451	175.114933	0.00241695	2.12E-05	0.99129723	LMGP0101_LMGP0201	PC(15:1_20:1)	PC(15:1(9Z)/20:1(11Z))
LMGP01012036	158.299794	0.00365374	4.48E-05	0.98789463	LMGP0101_LMGP0201	PC(13:0_22:2)	PC(22:2(13Z,16Z)/13:0)
LMGP01011360	158.299794	0.00365374	4.48E-05	0.98789463	LMGP0101_LMGP0201	PC(13:0_22:2)	PC(13:0/22:2(13Z,16Z))
LMGP02010669	41.6127964	4.30E-05	0.00548433	0.00777344	LMGP0101_LMGP0201	PE(18:2_20:0)	PE(18:2(9Z,12Z)/20:0)

LMGP02010125	41.6127964	4.30E-05	0.00548433	0.00777344	LMGP0101_LMGP0201	PE(18:2_20:0)	PE(20:0/18:2(9Z,12Z))
LMGP02010882	21.6291516	1.50E-07	0.00972995	1.54E-05	LMGP0101_LMGP0201	PE(18:0_20:2)	PE(20:2(11Z,14Z)/18:0)
LMGP02010124	21.6291516	1.50E-07	0.00972995	1.54E-05	LMGP0101_LMGP0201	PE(18:0_20:2)	PE(18:0/20:2(11Z,14Z))
LMGP02010811	19.9674938	7.00E-08	0.01005307	6.96E-06	LMGP0101_LMGP0201	PE(19:1_19:1)	PE(19:1(9Z)/19:1(9Z))
LMGP02010853	15.9409135	7.65E-09	0.01068161	7.16E-07	LMGP0101_LMGP0201	PE(18:1_20:1)	PE(20:1(11Z)/18:1(9Z))
LMGP02010126	15.9409135	7.65E-09	0.01068161	7.16E-07	LMGP0101_LMGP0201	PE(18:1_20:1)	PE(18:1(9Z)/20:1(11Z))
LMGP02010615	9.21007894	2.61E-11	0.01068391	2.44E-09	LMGP0101_LMGP0201	PE(17:2_21:0)	PE(17:2(9Z,12Z)/21:0)
LMGP02010998	9.2100785	2.61E-11	0.01068391	2.44E-09	LMGP0101_LMGP0201	PE(17:2_21:0)	PE(21:0/17:2(9Z,12Z))
LMGP02010536	7.54916403	3.09E-12	0.01029313	3.01E-10	LMGP0101_LMGP0201	PE(16:1_22:1)	PE(16:1(9Z)/22:1(11Z))
LMGP02011047	7.54916387	3.09E-12	0.01029313	3.01E-10	LMGP0101_LMGP0201	PE(16:1_22:1)	PE(22:1(11Z)/16:1(9Z))
LMGP02010122	6.96075023	1.29E-12	0.01009448	1.27E-10	LMGP0101_LMGP0201	PE(18:0_20:2)	PE(20:2(5Z,8Z)/18:0)
LMGP02011077	0.68295293	5.84E-24	0.00348485	1.67E-21	LMGP0101_LMGP0201	PE(16:0_22:2)	PE(22:2(13Z,16Z)/16:0)
LMGP02010513	0.68295293	5.84E-24	0.00348485	1.67E-21	LMGP0101_LMGP0201	PE(16:0_22:2)	PE(16:0/22:2(13Z,16Z))