

Group A Ceramides										
Ceramide	OR per SD	OR 2nd Quartile	OR 3rd Quartile	OR 4th Quartile	AUC	Sens	Spec	MRC%	p-val	q-val
Cer(d18:2/25:0)	0.57 (0.46-0.71)	0.31 (0.17-0.54)	0.21 (0.12-0.38)	0.19 (0.11-0.35)	0.66 (0.61, 0.71)	0.59	0.66	-20	3,5*10 ⁻⁰⁹	1,8*10 ⁻⁰⁹
Cer(d16:1/24:0)	0.65 (0.53-0.80)	0.32 (0.18-0.57)	0.22 (0.12-0.39)	0.21 (0.12-0.38)	0.66 (0.60, 0.71)	0.56	0.72	-18	4,8*10 ⁻⁰⁹	2,4*10 ⁻⁰⁹
Cer(d18:2/24:0)	0.61 (0.50-0.76)	0.22 (0.12-0.40)	0.19 (0.10-0.34)	0.20 (0.11-0.37)	0.66 (0.61, 0.71)	0.51	0.79	-17	5,9*10 ⁻⁰⁹	2,9*10 ⁻⁰⁹
Cer(d18:2/26:0)	0.60 (0.48-0.74)	0.47 (0.27-0.82)	0.28 (0.16-0.49)	0.28 (0.16-0.49)	0.65 (0.60, 0.70)	0,6	0.65	-19	2,5*10 ⁻⁰⁸	1,2*10 ⁻⁰⁸
Cer(d18:1/26:0)	0.65 (0.53-0.80)	0.28 (0.16-0.50)	0.30 (0.17-0.54)	0.25 (0.14-0.44)	0.63 (0.58, 0.69)	0.51	0.72	-14	1,0*10 ⁻⁰⁶	4,0*10 ⁻⁰⁷
Cer(d16:1/26:0)	0.69 (0.56-0.85)	0.35 (0.20-0.60)	0.35 (0.20-0.60)	0.25 (0.14-0.45)	0.64 (0.58, 0.69)	0.56	0.69	-15	2,2*10 ⁻⁰⁶	8,2*10 ⁻⁰⁷
Cer(d18:1/25:0)	0.65 (0.53-0.80)	0.55 (0.32-0.96)	0.37 (0.21-0.64)	0.29 (0.17-0.51)	0.63 (0.57, 0.68)	0.57	0.64	-13	3,4*10 ⁻⁰⁶	1,2*10 ⁻⁰⁶
Cer(d16:1/23:0)	0.76 (0.63-0.93)	0.42 (0.24-0.73)	0.36 (0.21-0.63)	0.33 (0.19-0.57)	0.62 (0.57, 0.67)	0.55	0.65	-13	9,6*10 ⁻⁰⁶	3,2*10 ⁻⁰⁶
Cer(d18:2/23:0)	0.74 (0.61-0.90)	0.36 (0.20-0.63)	0.25 (0.14-0.45)	0.33 (0.19-0.58)	0.61 (0.56, 0.67)	0.56	0.65	-12	2,4*10 ⁻⁰⁵	7,7*10 ⁻⁰⁶
Cer(d16:1/22:0)	0.82 (0.67-0.99)	0.31 (0.17-0.54)	0.23 (0.13-0.41)	0.36 (0.20-0.62)	0.61 (0.56, 0.67)	0.49	0.79	-9	1,6*10 ⁻⁰⁴	4,6*10 ⁻⁰⁵

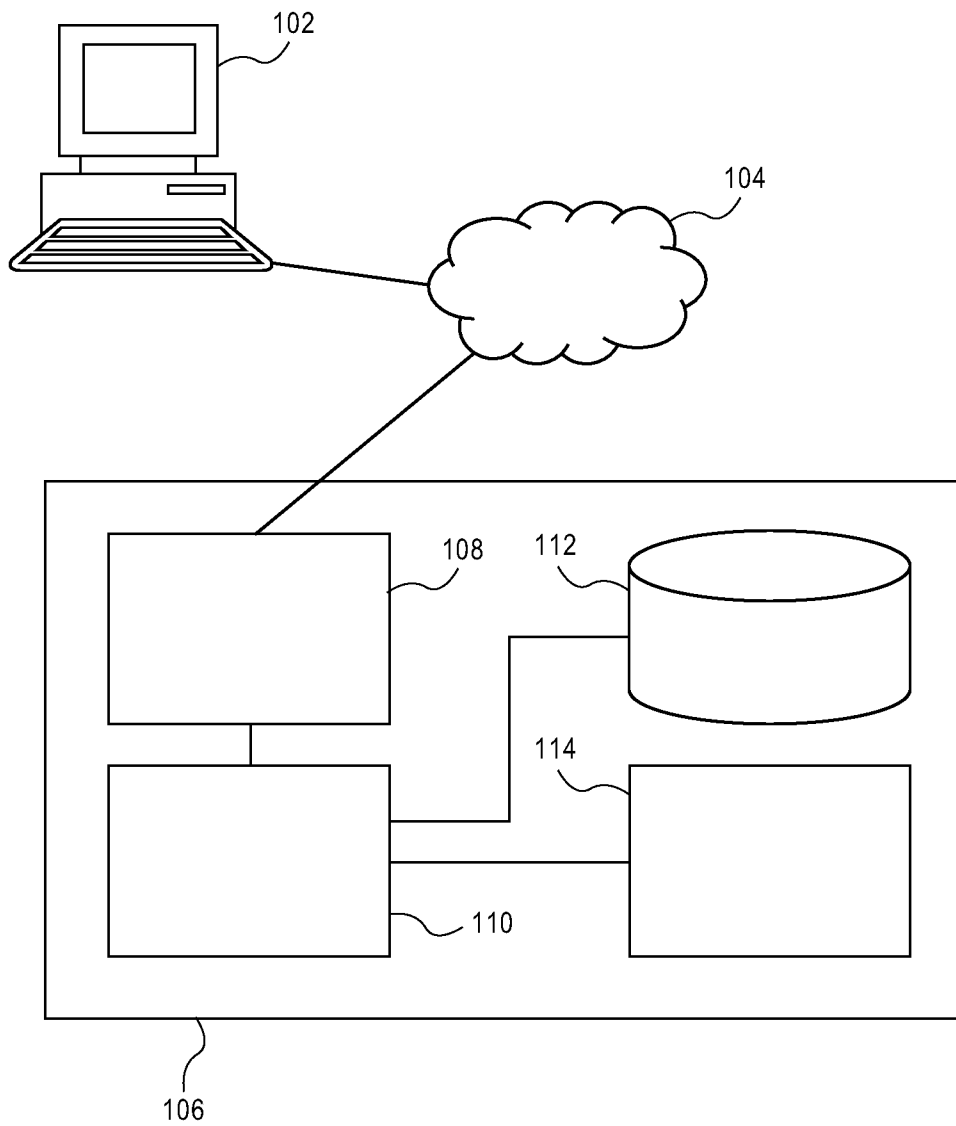
FIG. 1

Group B Ceramides										
Ceramide	OR per SD	OR 2nd Quartile	OR 3rd Quartile	OR 4th Quartile	AUC	Sens	Spec	MRC%	p-val	q-val
Cer(d18:1/22:1)	2.21 (1.68-2.90)	1.40 (0.80-2.44)	2.64 (1.52-4.59)	5.50 (3.07-9.84)	0.69 (0.64, 0.74)	0,57	0,76	31	2,8*10 ⁻¹¹	2,1*10 ⁻¹¹
Cer(d18:1/24:2)	2.17 (1.68-2.80)	1.10 (0.63-1.91)	2.08 (1.21-3.59)	4.67 (2.63-8.29)	0.67 (0.62, 0.72)	0,58	0,71	26	3,5*10 ⁻¹⁰	2,1*10 ⁻¹⁰
Cer(d18:1/18:0)	2.18 (1.70-2.79)	1.14 (0.66-1.99)	2.25 (1.30-3.89)	4.86 (2.73-8.65)	0.67 (0.62, 0.72)	0,6	0,69	32	4,9*10 ⁻¹⁰	2,9*10 ⁻¹⁰
Cer(d18:1/16:0)	1.99 (1.58-2.52)	0.98 (0.56-1.69)	2.00 (1.16-3.43)	3.94 (2.24-6.94)	0.66 (0.61, 0.71)	0,67	0,59	20	2,7*10 ⁻⁰⁹	1,5*10 ⁻⁰⁹
Cer(d18:0/18:0)	1.91 (1.48-2.45)	1.19 (0.68-2.07)	2.42 (1.40-4.19)	4.25 (2.41-7.50)	0.65 (0.60, 0.70)	0,63	0,63	42	5,9*10 ⁻⁰⁸	2,6*10 ⁻⁰⁸
Cer(d18:1/23:1)	1.79 (1.43-2.23)	0.87 (0.50-1.50)	1.59 (0.93-2.72)	3.51 (2.00-6.16)	0.65 (0.60, 0.70)	0,65	0,6	21	7,9*10 ⁻⁰⁸	3,4*10 ⁻⁰⁸
Cer(d18:0/16:0)	1.69 (1.36-2.12)	1.38 (0.80-2.38)	1.66 (0.97-2.86)	3.92 (2.23-6.90)	0.64 (0.58, 0.69)	0,52	0,72	24	2,0*10 ⁻⁰⁶	7,5*10 ⁻⁰⁷
Cer(d18:1/24:1)	1.59 (1.28-1.96)	1.28 (0.74-2.20)	1.72 (1.00-2.96)	3.46 (1.98-6.05)	0.62 (0.57, 0.68)	0,64	0,58	14	1,0*10 ⁻⁰⁵	3,5*10 ⁻⁰⁶
Cer(d18:1/26:2)	1.51 (1.23-1.86)	1.18 (0.69-2.02)	1.32 (0.77-2.26)	2.62 (1.51-4.54)	0.60 (0.55, 0.66)	0,6	0,57	17	2,7*10 ⁻⁰⁴	7,3*10 ⁻⁰⁵
Cer(d16:1/16:0)	1.32 (1.09-1.60)	0.84 (0.49-1.44)	1.10 (0.64-1.87)	1.79 (1.04-3.07)	0.57 (0.52, 0.62)	0,5	0,65	10	2,1*10 ⁻⁰²	4,3*10 ⁻⁰³

FIG. 2

Ceramides Not Falling Within Groups A or B										
Ceramide	OR per SD	OR 2nd Quartile	OR 3rd Quartile	OR 4th Quartile	AUC	Sens	Spec	MRC%	p-val	q-val
Cer(d16:1/20:0)	1.02 (0.85-1.24)	0.52 (0.30-0.89)	0.65 (0.38-1.12)	0.61 (0.35-1.04)	0.47 (0.42, 0.53)	0.45	0.56	1	0.44	0.069
Cer(d18:2/20:0)	1.00 (0.83-1.21)	0.79 (0.46-1.34)	0.56 (0.33-0.96)	0.85 (0.50-1.45)	0.47 (0.42, 0.53)	0.44	0.53	0	0.48	0.073
Cer(d18:2/26:1)	0.89 (0.74-1.08)	0.95 (0.56-1.62)	0.63 (0.37-1.08)	0.73 (0.43-1.25)	0.54 (0.49, 0.59)	0.57	0.53	-5	0.21	0.036
Cer(d18:2/21:0)	0.92 (0.76-1.11)	0.61 (0.35-1.04)	0.82 (0.48-1.39)	0.56 (0.33-0.96)	0.55 (0.49, 0.60)	0.46	0.64	-4	0.25	0.041
Cer(d18:1/16:1)	0.94 (0.78-1.14)	0.54 (0.32-0.93)	0.82 (0.48-1.39)	0.85 (0.50-1.45)	0.51 (0.45, 0.56)	0.53	0.47	-2	0.43	0.068
Cer(d16:1/21:0)	0.99 (0.82-1.20)	0.88 (0.52-1.50)	0.85 (0.50-1.44)	0.91 (0.54-1.55)	0.52 (0.47, 0.57)	0.47	0.65	0	0.54	0.082

FIG. 3

**FIG. 4**