**Table S1: PC composition of CF and non-CF cells**

Results are percentage of PC means ± SD, obtained from the mass spectra of at least three independent experiments.

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PC | (30:0) | (30:1) | (32:0) | (32:1) | (34:0) | (34:1) | (34:2) | (36:1) | (36:2) | (36:3) | (38:2) | (38:3) |
| m/z [M+H]+ | 706 | 704 | 734 | 732 | 762 | 760 | 758 | 788 | 786 | 784 | 814 | 812 |
| Non-CF patients | 0.7± 1.1 | 1.8± 1.7 | 8.5± 0.8 | 2.7± 2.4 | 4.1± 1.2 | 23.8± 8.0 | 15.8± 7.1 | 8.8± 3.3 | 15.9± 2.1 | 8.8± 3.0 | 2.8± 0.8 | 6.4± 2.6 |
| CF patients | 1.80 ± 2.2 | 3.39± 1.4 | 18.37± 3.3 | 4.48± 1.6 | 4.31± 0.2 | 24.14± 2.1 | 10.94± 1.4 | 6.10± 2.5 | 10.27± 2.1 | 8.23± 3.5 | 2.04± 1.4 | 5.92± 2.1 |
| 16HBE14o- | 0± 0 | 0± 0 | 3.1± 0.8 | 0.9± 1.3 | 1.2± 1.7 | 13.6± 1.5 | 24.5± 2.1 | 11.1± 1.6 | 38.2± 3.2 | 4.9± 0.02 | 0± 0 | 2.5± 0.05 |
| CFBE41o- | 0± 0 | 0± 0 | 1.6± 2.3 | 0.9± 1.3 | 1.1± 1.5 | 13.0± 2.0 | 25.8± 2.0 | 10.8± 1.5 | 40.0± 6.5 | 5.2± 0.7 | 0± 0 | 1.6± 2.2 |

**Table S2: PC composition of 16HBE14o- and CFBE41o- cells after incubation in a hypoxia chamber**

Results are percentage of PC means ± SD, obtained from the mass spectra of three independent experiments.

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PC | (30:0) | (30:1) | (32:0) | (32:1) | (34:0) | (34:1) | (34:2) | (36:1) | (36:2) | (36:3) | (38:2) | (38:3) |
| m/z [M+H]+ | 706 | 704 | 734 | 732 | 762 | 760 | 758 | 788 | 786 | 784 | 814 | 812 |
| 16HBE14o-hypoxia | 1.2± 1.6 | 2.4± 0.3 | 4.9± 1.6 | 2.5± 0.5 | 3.2± 0.3 | 18.7± 2.5 | 22.9± 2.1 | 9.4± 2.0 | 25.4± 3.1 | 5.6± 1.1 | 0.9± 1.3 | 3.0± 1.4 |
| CFBE41o-hypoxia | 1.3± 1.8 | 2.8± 0.4 | 4.9± 0.6 | 2.6± 0.04 | 3.4± 0.8 | 17.3± 0.3 | 22.1± 3.3 | 10.2± 1.4 | 26.1± 2.5 | 6.1± 1.3 | 0.7± 1.0 | 2.5± 0.6 |

**Table S3: PC composition of CFBE41o- cells after incubation with different palmitate concentrations**

Results are percentage of PC means ± SD, obtained from the mass spectra of at least three independent experiments.

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PC | (30:0) | (30:1) | (32:0) | (32:1) | (34:0) | (34:1) | (34:2) | (36:1) | (36:2) | (36:3) | (38:2) | (38:3) |
| m/z [M+H]+ | 706 | 704 | 734 | 732 | 762 | 760 | 758 | 788 | 786 | 784 | 814 | 812 |
| CFBE41o-BSA | 1.3± 1.9 | 1.0± 1.4 | 6.1± 1.5 | 3.9± 0.6 | 3.7± 0.4 | 26.3± 4.1 | 16.6± 2.2 | 7.8± 0.02 | 15.2± 2.2 | 9.7± 3.2 | 2.0± 0.1 | 4.2± 0.7 |
| CFBE41o-10 µM Pal | 1.0± 1.4 | 0± 0 | 13.5± 4.1 | 4.9± 0.3 | 4.6± 0.5 | 29.4± 2.1 | 15.1± 1.0 | 6.9± 0.1 | 11.7± 2.7 | 7.7± 1.6 | 0.9± 1.3 | 2.9± 0.2 |
| CFBE41o-25 µM Pal | 0.8± 1.2 | 0± 0 | 10.5± 0.4 | 5.8± 0.1 | 4.7± 0.5 | 33.6± 1.2 | 18.9± 1.4 | 5.8± 0.1 | 10.3± 0.5 | 6.4± 0.4 | 0± 0 | 2.2± 0.1 |
| CFBE41o-50 µM Pal | 0± 0 | 0± 0 | 13.6± 1.9 | 7.0± 0.1 | 4.7± 0.1 | 30.8± 2.2 | 20.5± 1.2 | 6.3± 0.1 | 10.4± 0.5 | 4.4± 0.8 | 0± 0 | 2.3± 0.2 |
| CFBE41o-80 µM Pal | 0± 0 | 0± 0 | 14.6± 0.9 | 8.2± 0.03 | 4.8± 0.2 | 33.0± 0.4 | 20.3± 0.6 | 5.3± 0.3 | 8.6± 0.5 | 4.3± 0.6 | 0± 0 | 0± 0 |
| CFBE41o-100 µM Pal | 0± 0 | 0± 0 | 15.8± 2.6 | 8.7± 0.4 | 4.6± 0.4 | 31.1± 0.9 | 21.7± 0.7 | 4.9± 0.02 | 8.6± 1.0 | 4.0± 0.3 | 0± 0 | 0.6± 1.0 |
| CFBE41o-150 µM Pal | 1.0± 1.3 | 0± 0 | 37.2± 9.6 | 5.0± 2.2 | 4.1± 0.1 | 16.7± 4.1 | 13.4± 2.0 | 2.8± 0.6 | 4.5± 0.6 | 13.0± 1.3 | 0± 0 | 2.4± 0.1 |
| CFBE41o-250 µM Pal | 0± 0 | 0± 0 | 52.4± 1.3 | 7.0± 0.1 | 3.5± 0.4 | 16.9± 1.0 | 13.7± 0.5 | 0± 0 | 3.5± 0.1 | 3.0± 0.04 | 0± 0 |  0± 0 |
| CFBE41o-500 µM Pal | 0± 0 | 0± 0 | 82.4± 1.8 | 0± 0 | 0± 0 | 10.0± 1.0 | 7.6± 0.8 | 0± 0 | 0± 0 | 0± 0 | 0± 0 | 0± 0 |
| CFBE41o-1 mM Pal | 0± 0 | 0± 0 | 77.7± 13.4 | 0.8± 1.6 | 0± 0 | 9.9± 2.1 | 7.8± 2.9 | 0± 0 | 0± 0 | 3.8± 7.5 | 0± 0 | 0± 0 |