

Supplemental information

Depletion of cardiac cardiolipin synthase

alters systolic and diastolic function

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Supplemental information

S2 Table. Presenting median for each lipid class and treatment group and the number of lipid species identified in each class.

Related to Figure 1.

| # | Class | Number lipid species | VEH median | ISO median | p-value |
|----|--------|----------------------|------------|------------|----------|
| 1 | Cer | 9 | 1.78e-01 | 1.87e-01 | 1.00e+00 |
| 2 | CL | 7 | 1.12e+01 | 7.69e+00 | 2.86e-02 |
| 3 | DAG | 21 | 1.24e+00 | 1.19e+00 | 6.86e-01 |
| 4 | LPA | 1 | 2.79e-01 | 5.00e-01 | 6.86e-01 |
| 5 | LPC | 8 | 3.87e-01 | 3.87e-01 | 1.00e+00 |
| 6 | LPC O- | 1 | 9.26e-03 | 1.03e-02 | 2.45e-01 |
| 7 | LPE | 9 | 4.46e-01 | 3.95e-01 | 8.86e-01 |
| 8 | LPE O- | 3 | 3.38e-02 | 3.78e-02 | 6.86e-01 |
| 9 | LPI | 2 | 7.82e-02 | 7.90e-02 | 1.00e+00 |
| 10 | LPS | 1 | 4.09e-02 | 3.66e-02 | 8.86e-01 |
| 11 | PC | 60 | 4.20e+01 | 4.36e+01 | 1.14e-01 |
| 12 | PC O- | 28 | 1.80e+00 | 1.72e+00 | 3.43e-01 |
| 13 | PE | 45 | 2.25e+01 | 2.52e+01 | 5.71e-02 |
| 14 | PE O- | 35 | 7.52e+00 | 7.21e+00 | 8.86e-01 |
| 15 | PG | 14 | 1.11e+00 | 1.21e+00 | 2.00e-01 |
| 16 | PI | 21 | 5.91e+00 | 5.69e+00 | 6.86e-01 |
| 17 | PS | 5 | 1.19e+00 | 1.22e+00 | 1.00e+00 |
| 18 | SM | 11 | 1.10e+00 | 1.09e+00 | 1.00e+00 |
| 19 | TAG | 18 | 1.98e+00 | 1.49e+00 | 4.86e-01 |

S3 Table. List of qRT-PCR primer sequences**Related to Figure 1 and 2.**

| Gene | Species | Forward primer 5'-3' | Reverse primer 5'-3' |
|-------------|-----------------|-----------------------------|-----------------------------|
| mm18s | Mus musculus | TTAATGAGCCATTCGCAGTTTTC | ACCTGGTTGATCCTGCCAGTAG |
| mmCLS | Mus musculus | GCCGCCAGCTCGTATGAAAAT | CCAACAAATCCGTTAGCCCG |
| mmUCP2 | Mus musculus | GCCCGGGCTGGTGGTGGCT | CCCCGAAGGCAGAAGTGAAGTGG |
| mmUCP3 | Mus musculus | ATCGCCAGGGAGGAAGGA | GTTGACAATGGCATTCTTGTGAG |