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### Appendix table S1:

qRT-PCR primer sequence information:

| Primer | Sense 5’-3’ | Antisense 5’-3’ |
|--------|-------------|-----------------|
| GPX4   | CTCCATGCACGAATTTCTCAG | ACGTCACTTTTGCCCTCATGG |
| PTGS2  | CTGCGCTTTTCAAGGATGG | GGGGATACACCTCCTCCACCA |
| ACOX1  | CCTGATTCAGCAAGGTAGGG | TCGCAGACCTGAAGAAATC |
| 36B4   | TGGAGACAAGGTGGGAGCC | CACAGACAATGCGCAGGACGC |
| FPN1   | TCGGTTCCCTCTCACTCCTGT | GTGGAGAGAGAGTGGCCAAG |
| HEPC1  | CCTATCTCCATCAACAGATG | AACAGATACACACTGGGAA |
| DMT1   | TAGGCTGTGCTCAAACCTACAGCA | TACATGAGAGGCAACAGTAGA |
| TRF    | TGTACGCTTGTGAAACACAGA | TCGGCAGGTTCCTTCCCTT |
| MDM2   | GGATCTTGACGATGGGCTAAG | AGGCTGAAATCTGGCCGAGTCC |
| MDMX   | GATCCAGGTCCTCTATGACA | CCGTGCTTCAGTCGGTCTT |
| CPT1   | AGATCAAATCGGACCCTAGACAG | CACCGAGTAGGCGATAGTCA |
Appendix figure S1

Appendix Figure legend

Appendix Figure S1. Structure of the Fe$^{2+}$ fluorescent probe.