

a The sequences of siRNA

BRD4-siRNAi1 sense: 5'-GCGUUUCCACGGUACCAAATT-3';

BRD4-siRNAi1 anti-sense: 5'-UUUGGUACCGUGGAAACGCTT-3';

BRD4-siRNAi2 sense: 5'-CCGUGAUGCUCAGGAGUUUTT-3';

BRD4-siRNAi2 anti-sense: 5'-AAACUCCUGAGCAUCACGGTT-3';

ATG5-siRNAi1 sense: 5'-GGAAGCAGAACCAUACUAUTT-3';

ATG5-siRNAi1 anti-sense: 5'-AUAGUAUGGUUCUGCUUCCTT-3';

ATG5-siRNAi2 sense: 5'-CCAUCAAUCCGAAACUCAUTT-3';

ATG5-siRNAi2 anti-sense: 5'-AUGAGUUUCCGAUUGAUGGTT-3';

ATG7-siRNAi1 sense: 5'-CCAACAUCCUGGUUACAATT-3';

ATG7-siRNAi1 anti-sense: 5'-UUGUAACCAGGGAUGUUGGTT-3';

ATG7-siRNAi2 sense: 5'-GCCUCUCUAUGAGUUUGAATT-3';

ATG7-siRNAi2 anti-sense: 5'-UUCAAACUCAUAGAGAGGCTT-3';

Scrambled-siRNA sense: 5'-UUCUCCGAACGUGUCACGUTT-3';

Scrambled-siRNA anti-sense: 5'-ACGUGACACGUUCGGAGAATT-3'.

b The sequence of recombinant plasmid expressing GPX4

ATGAGCCTCGGCCGCCTTTGCCGCCTACTGAAGCCGGCGCTGCTCTGTGGGGCTCTGG
CCGCGCCTGGCCTGGCCGGGACCATGTGCGCGTCCCGGGACGACTGGCGCTGTGCGC
GCTCCATGCACGAGTTTTCCGCCAAGGACATCGACGGGCACATGGTTAACCTGGACAA
GTACCGGGGCTTCGTGTGCATCGTCACCAACGTGGCCTCCCAGTGAGGCAAGACCGA
AGTAAACTACACTCAGCTCGTCGACCTGCACGCCCCGATACGCTGAGTGTGGTTTGCGG
ATCCTGGCCTTCCCGTGTAACCAGTTCGGGAAGCAGGAGCCAGGGAGTAACGAAGAG
ATCAAAGAGTTCGCCGCGGGCTACAACGTCAAATTCGATATGTTTCAGCAAGATCTGCG
TGAACGGGGACGACGCCCCACCCGCTGTGGAAGTGGATGAAGATCCAACCCAAGGGCA
AGGGCATCCTGGGAAATGCCATCAAGTGGAACCTTCACCAAGTTCCTCATCGACAAGAA
CGGCTGCGTGGTGAAGCGCTACGGACCCATGGAGGAGCCCCTGGTGATAGAGAAGGA
CCTGCCCCACTATTTCTAG

c The sequences of the primers for Real-time PCR

BRD4-Forward: 5'-CAAACAGGAGGTGACATAGCG-3';

BRD4-Reverse: 5'-GTCGGAGGAAGAGGACAAGTG-3';

GAPDH-Forward: 5'-CATGTTTCGTCATGGGTGTGAA-3';

GAPDH-Reverse: 5'-CGCATGGACTGTGGTCATGAG-3';

GPX4-Forward: 5'-TAGAAATAGTGGGGCAGGTCC-3';

GPX4-Reverse: 5'-CGTCAAATTCGATATGTTTCAGC-3';

SLC3A2-Forward: 5'-GAGCCTTGCCTGAGACAAACT-3';

SLC3A2-Reverse: 5'-ACTGGGGAGCATACAAAATCC-3';

SLC7A11-Forward: 5'-GCAACAAAGATCGGAACTGCT-3';

SLC7A11-Reverse: 5'-GCTGGCTGGTTTTACCTCAAC-3'.