

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Genomic coordinates and sequences targeted by padlock probes.

File Name: Supplementary Data 2

Description: Genomic coordinates and oscillation parameters of the bisulfite padlock sequencing for 9-mo liver.

File Name: Supplementary Data 3

Description: Genomic coordinates and oscillation parameters of the bisulfite padlock sequencing for 9-mo lung.

File Name: Supplementary Data 4

Description: Genomic coordinates and oscillation parameters of the bisulfite padlock sequencing for 15-mo lung.

File Name: Supplementary Data 5

Description: Genomic coordinates and oscillation parameters of the bisulfite padlock sequencing for 25-mo lung.

File Name: Supplementary Data 6

Description: Genomic coordinates and oscillation parameters of the bisulfite padlock sequencing for 15-mo liver.

File Name: Supplementary Data 7

Description: Genomic coordinates and oscillation parameters of the bisulfite padlock sequencing for 25-mo liver.

File Name: Supplementary Data 8

Description: Genomic coordinates and oscillation parameters of the oxidative bisulfite padlock sequencing for 9-mo liver.

File Name: Supplementary Data 9

Description: Genomic coordinates and oscillation parameters of 5- hydroxymethylcytosines for 9-mo liver.

File Name: Supplementary Data 10

Description: Genomic coordinates and oscillation parameters of the oxidative bisulfite padlock sequencing for 9-mo lung.

File Name: Supplementary Data 11

Description: Genomic coordinates and oscillation parameters of 5- hydroxymethylcytosines for 9-mo lung.

File Name: Supplementary Data 12

Description: Oscillation parameters of public mouse liver mRNA.

File Name: Supplementary Data 13

Description: Oscillation parameters of public mouse lung mRNA.

File Name: Supplementary Data 14

Description: MEME output for the oscillating cytosines in the liver tissue from 9-mo mice.

File Name: Supplementary Data 15

Description: MEME output for the oscillating cytosines in the lung tissue from 9-mo mice.

File Name: Supplementary Data 16

Description: Aging parameters for the mouse liver dataset from bisulfite padlock sequencing.

File Name: Supplementary Data 17

Description: Aging parameters for the mouse lung dataset from bisulfite padlock sequencing.

File Name: Supplementary Data 18

Description: Aging parameters of public mouse liver mRNA.

File Name: Supplementary Data 19

Description: Aging parameters of public mouse lung mRNA.

File Name: Supplementary Data 20

Description: Gene ontology enrichment analysis of the oscillating-aging associated transcripts from the liver transcriptome datasets.

File Name: Supplementary Data 21

Description: Gene ontology enrichment analysis of the oscillating-aging associated transcripts from the lung transcriptome datasets.

File Name: Supplementary Data 22

Description: Primer list for sequencing library preparation.