

Description of Additional Supplementary Files

Supplementary Data 1: ATAC-seq QC

Supplementary Data 2: ATAC-seq

Supplementary Data 3: Opened AADs

Supplementary Data 4: Closed AADs

Supplementary Data 5: Methylome in Opened AADs

Supplementary Data 6: Methylome in Closed AADs

Supplementary Data 7: ATAC-seq GREAT Pathway Analysis

Supplementary Data 8: RNA-seq

Supplementary Data 9: GSEA Pathway Analysis

Supplementary Data 10: k-means clusters

Supplementary Data 11: HOMER Opened AADs

Supplementary Data 12: HOMER Closed AADs

Supplementary Data 13: BagFoot Old WT vs. Young WT

Supplementary Data 14: BagFoot Old SIRT6 TG vs. Old WT

Supplementary Data 15: Longitudinal TF expression

Supplementary Data 16: TF Target Genes

Supplementary Data 17: Longitudinal Target Genes expression

Supplementary Data 18: Liver Unique Methylation

Supplementary Data 19: Deconvolution

Supplementary Data 20: ChIP-seq QC

Supplementary Data 21: ChIP-seq

Supplementary Data 22: ChIP-seq Differential Sites

Supplementary Data 23: H3K27ac ChIP-seq QC

Supplementary Data 24: H3K27ac ChIP-seq

Supplementary Data 25: AAV ATAC-seq QC

Supplementary Data 26: AAV ATAC-seq

Supplementary Data 27: AAV Opened DARs

Supplementary Data 28: AAV Closed DARs

Supplementary Data 29: AAV ATAC-seq GREAT Pathway Analysis

Supplementary Data 30: HOMER AAV ATAC-seq Closed DARs

Supplementary Data 31: HOMER AAV ATAC-seq Opened DARs