**Supplementary Material**

**Profiling of RNA *N6*-methyladenosine methylation reveals the critical role of m6A in chicken adipose deposition**

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**Fig. S1.** Comparison of AFP of the birds used in the study.\*\**P*<0.01. AFP, abdominal fat percentage.

**Fig. S2.** Volcano map of differentially expressed genesbetween the two chicken lines.

**Data S1.**m6A peaks in abdominal adipose tissues from fat and lean chicken lines. (XLSX 9393 KB)

**Data S2.**Common and line-unique m6A genes. (XLSX 85 KB)

**Data S3.** GO biological process enrichment of common and line-unique m6A genes. (XLSX 233 KB)

**Data S4.** KEGG enrichment of common and line-unique m6A genes. (XLSX 87 KB)

**Data S5.** Line-dynamicm6A genes. (XLSX 405 KB)

**Data S6.** GO biological process enrichment of line-dynamicm6A genes. (XLSX 47 KB)

**Data S7.** KEGG enrichment of line-dynamicm6A genes. (XLSX 45KB)

**Data S8.** Differentially expressed genes between the two chicken lines. (XLSX 250KB)

**Data S9.** Genes that showing the difference in both m6A methylation and mRNA expression between the two chicken lines. (XLSX 5210 KB)