

**Table S1 Potential target genes for *METTL3***

Potential Target of <i>METTL3</i>			
PGC-1 $\alpha$	NDUFB6	CYCS	COX8A
PGC-1 $\beta$	NDUFA6	NDUFC2	NDUFA12
NDUFV3	NDUFAF1	COX7C	

**Table S2 primers for qPCR**

Gene	Forward	Reverse
COX8A	TTACCTCCTGCTTCGTGACC	CACTCTGGCCTCCTGTAGGT
CYCS	GGAGGCAAGCATAAGACTGG	TCCATCAGGGTATCCTCTCC
PGC-1 $\alpha$	ACTACAGACACCGCACACACC	CCTTTCGTGCTCATAGGCTTC
NDUFC2	CCTGTATGCTGTGAGGGACC	CGACGTTTCAGCTCCACAACA
NDUFA6	CAGTCGGGACATGAACGAGG	GAATTGGTGCACAGTGTTCCG
NDUFA12	ATGAATGGCAAAAACACATTCT	GCATGTTTCAACTGTTCTTCA
PGC-1 $\beta$	AAGAACTTCAGACGTGAGAGCAGAG	GCATGCCGGACGCTTG
METTL3	CAAGCTGCACTTCAGACGAA	GCTTGGCGTGTGGTCTTT
GAPDH	TGCCACCAACTGCTTAGC	GGCATGGACTGTGGTCATGAG
YTHDF2	TAGCCAACTGCGACACATTC	CACGACCTTGACGTTCTTT
IL-1 $\beta$	AACAGGCTGCTCTGGGATTC	AGTCATCCTCATTGCCACTGT
IL-6	CGAGCCCACCGGGAACGAAA	GGACCGAAGGCGCTTGTGGAG
TNF- $\alpha$	TTCTCCTTCCTGATCGTGGCAG	TGATGGCAGAGAGGAGGTTGAC
CXCL10	TGGCATTCAAGGAGTACCTCTC	GGACAAAATTGGCTTGCAGGA
12S rRNA	CCCCAGGTTGGTCAATTC	CGGCTTCTATGACTTGGGTAA

**Figure S1 Confirmation of knockdown in THP-1 cells**

(A) Immunoblot detection of METTL3 protein levels in control cells and *METTL3* knockdown cells, with GAPDH as a loading control.

(B) Immunoblot detection of PGC-1 $\alpha$  protein levels in control and *PGC-1 $\alpha$*  knockdown cells lines, with GAPDH as a loading control.

(C) Immunoblot detection of YTHDF2 protein levels in control and *YTHDF2* knockdown cells lines, with GAPDH as a loading control.

