

Figure S1. RT-qPCR performed to determine the transfection efficiency in A549 cells. (A) RT-qPCR analysis of FTO mRNA expression following transfection with oe-NC or oe-FTO plasmids. (B) RT-qPCR analysis of MZF1 mRNA expression following transfection with sh-NC or sh-MZF1. (C) RT-qPCR analysis of CLDND1 mRNA expression following transfection with sh-NC or sh-CLDND1. Data are presented as the mean $\pm$ SD (n=3). Statistical analysis was performed using an unpaired two-tailed Student's t-test. $P < 0.05$ was considered to indicate a statistically significant difference. NC, negative control; miR, microRNA; oe, overexpression; FTO, fat mass and obesity-associated protein; sh, short hairpin RNA; MZF1, myeloid zinc finger 1; CLDND1, claudin domain-containing 1.

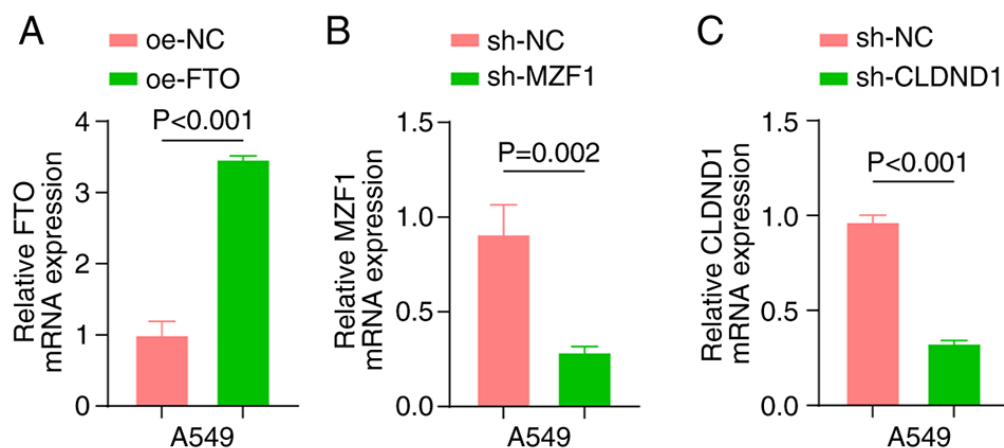


Figure S2. Schematic diagram of the underlying mechanism. miR, microRNA; FTO, fat mass and obesity-associated protein; m⁶A, N⁶-methyladenosine; MZF1, myeloid zinc finger 1; CLDND1, claudin domain-containing 1.

