Figure S1. The blood glucose level in the DM group was higher than that in the NDM group. The blood glucose levels in the DM and NDM groups were compared. P<0.0001, Student's t-test. DM, colorectal cancer tissues from patients with T_2DM ; NDM, colorectal cancer tissues from patients without T_2DM . T_2DM , type 2 diabetes mellitus.

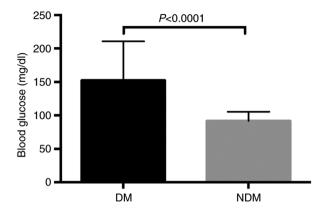


Figure S2. TMG treatment in high glucose condition induced β-catenin and SNAIL. A human colon cancer cell line, LoVo cells were cultured in normal (5 mM glucose) or high glucose (25 mM glucose) conditions and incubated with 1 μ M TMG for 36 h. The cells were lysed and subjected to western blot analyses and probed with (A) anti-O-GlcNAc, (B) β-catenin and (C) SNAIL antibodies. The densitometric analyses were performed using each picture with ImageJ software (A and B). The lysates were also co-immunoprecipitated with anti-β-catenin, followed by probing with anti-O-GlcNAc antibody and anti-β-catenin antibodies to analyze O-GlcNAcylation of β-catenin (D). β-actin was used for loading control of the lysates subjected to co-immunoprecipitation and normalization for densitometric analyses (A-D). *P <0.05, Tukey's test. TMG, thiamet G.

