

Table S1. List of antibodies used in this study.

Antibody	Dilution	Cat. No.	Manufacture
MnSOD	1:1000	sc-137254	Santa Cruz Biotechnology (Dallas, TX, USA)
Catalase	1:2000	sc-271803	Santa Cruz Biotechnology
Gpx	1:500	sc-133160	Santa Cruz Biotechnology
Actin	1:2000	sc-47778	Santa Cruz Biotechnology

Table S2. List of ELISA kit used in this study.

Kit	Cat. No.	Manufacture
PicoSens™ ALT Assay Kit	BM-ALT-100	Biomax Co. Ltd. (Gyeonggi-do, Republic of Korea)
PicoSens™ AST Assay Kit	BM-AST-100	Biomax Co. Ltd.
PicoSens™ Triglyceride Assay Kit	BM-TGR-100	Biomax Co. Ltd.
OxiTec™ TBARS (Lipid Peroxidation) Assay Kit	BO-TBR-200	Biomax Co. Ltd. (Gyeonggi-do, Republic of Korea)
Mouse Insulin ELISA Kit	EMINS	Invitrogen (Waltham, MA, USA)
γ -Glutamyl Transferase (GGT/ γ -GT) Activity Assay Kit	E-BC-K126-M	Elabscience Bionovation Inc (Houston, TX, USA)
Mouse glucagon-like peptide (GLP-1) ELISA kit	EK730932	AFG Scientific (Northbrook, IL, USA)

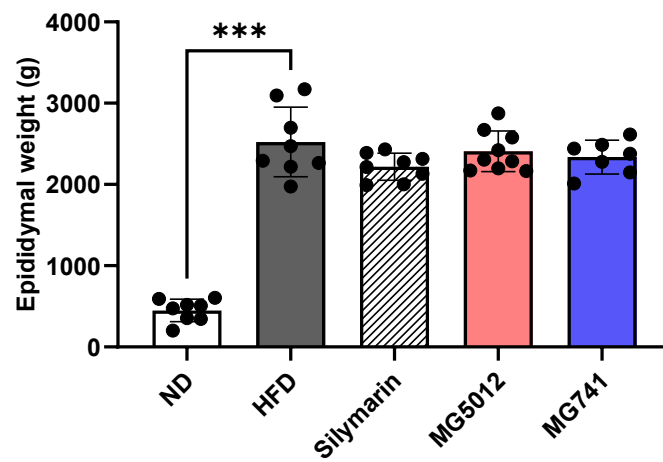


Figure S1. Effect of *L. paracasei* MG5012 and *B. animalis* subsp. *lactis* MG741 on epididymal adipose tissue weight in HFD-induced obese mice. Statistical significance was determined using one-way ANOVA followed by Dunnett's post hoc test. *** indicate $p < 0.001$, respectively.