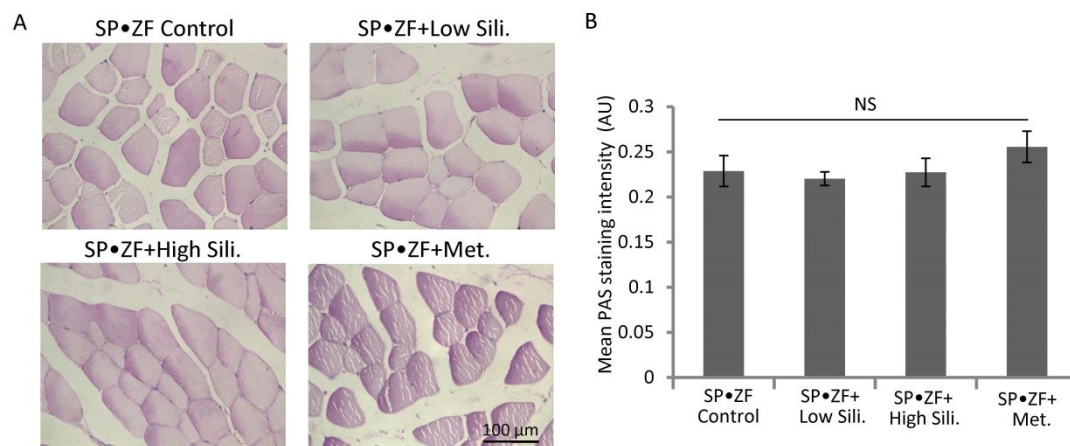


## Supplemental Data

Supplemental Figure 1. Representative images and quantitative results of PAS staining of skeletal muscle from SP•ZF rats with silibinin or metformin treatment. NS, not significant; Sili, Silibinin; Met, Metformin. Data are mean  $\pm$  SEM (n=6 in each group).



Supplemental Table 1. Fasting blood glucose and body weight of normoglycemic and diabetic model rats one week after streptozotocin injection.

Parameters	NPD	HFD + STZ
Fasting blood glucose (mmol/L)	2.82 ± 0.14	11.97 ± 0.52*
Body weight (g)	243.78 ± 5.24	261.43 ± 3.65*

Values are mean ± SEM (n=8 in NPD group; n=40 in HFD + STZ group). The abbreviations denote NPD: normal pellet food, HFD: high-fat diet, STZ: streptozotocin. \* $P < 0.05$  vs. normoglycemic SD rats fed with NPD.