

Table S1. List of reagents

Type of analysis	Reagents
<u>Biochemical determination of enzymatic activities:</u> glucoamylase, maltase	T1503 Trizma base, Sigma; P 8250 Peroxidase, type II, activity 150-200 u/mg, Sigma; M 5885 Maltose, Sigma; G 6125 Glucose oxidase, type II, activity 15-20 ku/g, Sigma; G 8270 Glucose, min 99.5%, Sigma.
alkaline phosphatase	71768 4-Nitrophenyl phosphate disodium salt hexahydrate, Fluka.
aminopeptidase N	A 2628 L-alanine -naphthylamide, free base, Sigma.
Immunohistochemical determination of glucose transporters in the enterocytes	SC 9117 GLUT2 (H-67) rabbit polyclonal Ig G, Santa Cruz Biotechnology; SC 98974 SGLT1 (H- 85) rabbit polyclonal Ig G, Santa Cruz Biotechnology; ab 97064 DnkpAb to Rb Ig G (HRP), <u>Abcam</u> ; PA1- 74362 Goat anti-rabbit Ig G secondary antibody (HRP conjugate), Thermo scientific Pierce Protein Biology Products.
Assessment of glucose absorption in the small intestine	G8270 D-Glucose, Sigma-Aldrich.
Induction of type 2 diabetes	S0130 Streptozotocin, Sigma-Aldrich LLC., St. Louis, MO, USA Sigma.
OGTT and ITT tests	G8270 D-Glucose, Sigma-Aldrich; Insulin HUMALOG, Lilly France, USA.