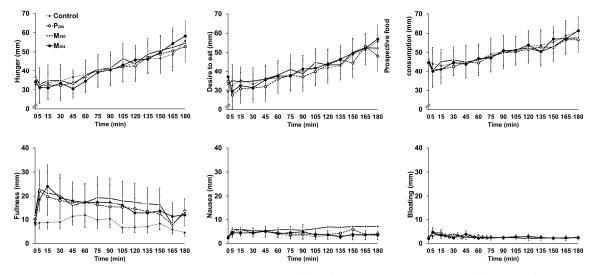
Supplementary Table S1. Glucose, insulin, ghrelin, CCK and GLP-1 after drink ingestion in healthy older men.

Glucose and gut hormones	Control	P ₂₈₀	M_{280}	M_{504}
Peak/nadir concentration				
Glucose	5.9 ± 0.1 a	6.1 ± 0.1 a,b	7.4 ± 0.3 b	7.2 ± 0.3 b
Insulin	7 ± 3 a	39 ± 17 a,b	56 ± 18 a,b	67 ± 18 b
Ghrelin	2171 ± 240 a	1855 ± 183 a	2194 ± 251^{b}	1862 ± 198 b
CCK	2.7 ± 0.2 a	3.9 ± 0.3 b	3.1 ± 0.3 a,b	3.9 ± 0.3 b
GLP-1	19 ± 1 a	$39 \pm 3^{\text{ b}}$	25 ± 2^{a}	$36 \pm 3^{\ b}$
Time to peak/nadir				
Glucose	42 ± 13	20 ± 5	29 ± 3	22 ± 2
Insulin	15 ± 3 a	$53 \pm 7^{\text{ b}}$	$39 \pm 3^{\ b}$	44 ± 7 b
Ghrelin	44 ± 13 a	126 ± 14 b	58 ± 7 a	$114 \pm 18 ^{\rm b}$
CCK	39 ±15 a	87 ± 16 a,b	45 ± 12 a,b	99 ± 16 b
GLP-1	87 ± 22 a	138 ± 13 a,b	98 ± 18 a,b	155 ± 7 b
180-min concentration				
Glucose	5.5 ± 0.1 a	5.3 ± 0.4 a	4.9 ± 0.4 b	5.5 ± 0.4 a
Insulin	3.9 ± 1.9	21 ± 13	3.8 ± 1.6	32 ± 9
Ghrelin	2069 ± 257 a	1302 ± 137 a,b	2091 ± 259 a	1254 ± 117 b
CCK	1.8 ± 0.1 a	3.0 ± 0.2 b	1.9 ± 0.2 a	3.0 ± 0.3 b
GLP-1	16 ± 1 a	$35 \pm 2^{\text{ b}}$	21 ± 2 a	$33 \pm 3^{\text{ b}}$

Mean (\pm SEM) peak/nadir concentrations, time to peak/nadir (min) and 180-min concentrations of blood glucose and plasma insulin, ghrelin, CCK and GLP-1 in healthy older men (n = 13), after drinks containing either: (i) 70 g whey protein (280 kcal; 'P₂₈₀'), (ii) 14 g protein, 28g carbohydrate, 12.4 g fat (280 kcal; 'M₂₈₀'), (iii) 70 g protein, 28 g carbohydrate, 12.4 g fat (504 kcal; 'M₅₀₄'), or (iv) an iso-palatable control drink (~2 kcal; 'control'). ^{a,b,c,d} p < 0.05, post hoc test: different letter indicates significant difference between drink-conditions: control vs. P₂₈₀ vs. M₂₈₀ vs. M₅₀₄.



Supplementary Figure S1. Mean (\pm SEM) visual analogue score (VAS, mm) of hunger, desire to eat, prospective food consumption, fullness, nausea and bloating in healthy older men (n = 13), after drinks containing either: (i) 70 g whey protein (280 kcal; 'P₂₈₀'; dashed line with open circles), (ii) 14 g protein, 28 g carbohydrate, 12.4 g fat (280 kcal; 'M₂₈₀'; solid line with open circles), (iii) 70 g protein, 28 g carbohydrate, 12.4 g fat (504 kcal; 'M₅₀₄'; solid line with closed circles), or (iv) an iso-palatable control drink (~2 kcal; 'control'; dotted line).

Effects of time were significant for hunger (p < 0.001), desire to eat (p < 0.001), prospective food consumption (p < 0.001) and fullness (p = 0.001).