

**Supplementary Table S1.** Means (95%-CI) of appetite parameters. Subjects with (n=12) and without type 2 diabetes (T2D) (n=12)<sup>1</sup> were observed after consumption of a pre-meal of whey proteins or water followed by a fat-rich main meal.

Parameter, unit	Time, min	Type 2 diabetes		Non-diabetes		P-value <sup>3</sup>		
		Whey protein	Water	Whey protein	Water	Diabetes X intervention	Diabetes X time	Intervention X time
Fullness, mm	-15	23.9 (16.1-31.7)	29.4 (21.5-37.0)	21.6 (14.0-29.3)	29.4 (21.4-36.7)	0.7553	0.7859	0.6666
	0	25.8 (18.1-33.6)	31.2 (23.4-39.0)	23.6 (15.9-31.2)	31.0 (23.3-38.6)			
	30	76.0 (68.2-83.7)	81.1 (73.5-88.7)	73.7 (66.0-81.3)	81.3 (73.5-89.1)			
	180	55.0 (47.2-62.8)	60.1 (52.5-67.8)	52.7 (45.1-60.3)	60.3 (52.6-68.1)			
	360	37.5 (29.7-45.3)	42.7 (35.0-50.3)	35.2 (27.6-42.9)	42.5 (34.7-50.3)			
Satiety, mm	-15	32.4 (25.7-39.1)	41.7 (35.0-48.3)	33.7 (29.1-40.3)	37.2 (30.5-43.9)	0.6124	0.8530	0.8836
	0	32.0 (25.3-38.7)	40.7 (34.2-47.3)	33.3 (26.7-39.8)	36.8 (30.1-43.5)			
	30	79.9 (73.2-86.6)	88.6 (82.1-95.2)	81.2 (74.6-87.8)	84.7 (78.0-91.4)			
	180	59.1 (52.4-65.8)	67.9 (61.3-74.5)	60.4 (53.9-67.0)	63.9 (57.2-70.6)			
	360	38.2 (31.4-44.9)	47.2 (40.6-53.8)	39.8 (33.2-46.3)	43.2 (36.5-50.0)			
Hunger, mm	-15	59.1 (51.3-66.8)	41.6 (33.7-49.4)	51.4 (43.6-59.2)	49.3 (41.5-57.0)	0.4170	0.9778	0.1897
	0	59.9 (52.1-67.6)	42.4 (34.6-50.2)	52.2 (44.4-60.0)	50.1 (42.3-57.8)			
	30	19.1 (11.4-26.9)	1.6 (0-9.4)	11.4 (3.6-19.2)	9.3 (1.6-17.1)			
	180	39.7 (31.9-47.4)	22.2 (14.4-30.0)	32.0 (24.2-39.8)	29.9 (22.1-37.6)			
	360	65.1 (57.3-72.9)	47.3 (39.5-55.1)	57.1 (49.3-64.9)	55.0 (47.2-68.8)			
Prospective, mm	-15	69.6 (52.7-75.6)	52.0 (45.0-59.0)	59.3 (52.3-66.2)	61.6 (54.5-68.6)	0.2542	0.8482	0.7501
	0	69.4 (62.5-76.3)	51.7 (44.8-58.7)	59.0 (52.1-65.9)	62.1 (55.2-69.0)			
	30	32.1 (25.2-39.0)	14.5 (7.5-21.4)	21.7 (14.8-28.7)	24.8 (17.9-31.7)			
	180	46.3 (39.4-53.2)	28.7 (21.8-35.6)	35.9 (29.0-42.9)	39.0 (32.1-45.9)			
	360	64.6 (57.7-71.4)	46.9 (40.0-53.8)	54.2 (47.3-61.1)	57.3 (50.4-64.2)			

<sup>1</sup> Values are means (95% confidence interval) unless otherwise stated. <sup>2</sup> Medians (95% confidence interval). <sup>3</sup> The hypothesis was to test if the response curves for the two interventions during the postprandial period were parallel. No third-order interactions were found for the measured parameters except for glucagon (P=0.0352). Significant main effects were found for diabetes on perspective consumption (P=0.0216) and of intervention on fullness (P=0.0135). No significant main effects of diabetes on fullness (P=0.2765), satiety (P=0.1803) and hunger (P=0.1526). No significant main interaction of intervention satiety (P=0.1506), hunger (P=0.436) and prospective consumption (P=0.463).