Table S1. Inflammatory status in mice fed with a high-fat diet (HFD) and a standard diet (SD) with and without supplementation of FGM and mixes

Groups	TNF-α	MCP-1	IL-6	IL-10
Control	12.23 ± 9.75 [a]	8.60 ± 8.60 [a]	14.77 ± 1.24[a]	8.08 ± 0.16 [a]
Control+FGM	12.90 ± 3.20 [a]	5.55 ± 5.55 [a]	50.98 ± 4.93[ab]	8.28 ± 0.02 [a]
Ob+ FGM	43.90 ± 10.16 [b]	58.97 ± 10.85 [b]	320.61 ± 85.23[c]	8.38 ± 0.16 [a]
Ob+FGM+Mix1	21.90 ± 10.90 [ab]	19.20 ± 19.20 [ab]	122.50 ± 9.20[b]	8.29 ± 0.04 [a]
Ob+FGM+Mix2	24.95 ± 9.15 [ab]	13.37 ± 9.60 [a]	43.93 ± 6.06[ab]	8.26 ± 0.18 [a]
Ob+FGM+Mix3	35.25 ± 1.15 [ab]	18.75 ± 2.95 [ab]	38.43 ± 19.76[ab]	8.39 ± 0.06 [a]
Ob+FGM+Mix4	31.10 ± 8.70 [ab]	37.10 ± 21.05 [ab]	55.65 ± 17.25[ab]	8.28 ± 0.02 [a]

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Citokines (pg mL^{-1}). Data values (n=6) are shown as mean ± standard error (SEM). Values with different superscript letters in the same column are significantly different (p < 0.05) as assessed by Tukey's test.

Table S2. Biochemical parameters of mice fed with a high-fat diet (HFD) or a standard diet (SD) with and without supplementation of FGM and mixes

Groups	Leptin	Glucose	TG	TC	LDL-c	HDL-c
Control	92.71 ± 3,41 [a]	0.94 ± 0.04 [abc]	0.26 ± 0.04 [a]	0.38 ± 0.02 [a]	0.26 ± 0.02 [a]	0.10 ± 0.01 [a]
Control+FGM	180.9 ± 37,67 [a]	1.13 ± 0.18 [bcd]	0.24 ± 0.02 [a]	0.46 ± 0.01 [ab]	0.32 ± 0.02 [ab]	0.13 ± 0.01 [b]
Ob+ FGM	1567 ± 133,80 [cd]	1.61 ± 0.16 [e]	0.44 ± 0.05 [c]	0.54 ± 0.03 [b]	0.38 ± 0.03 [ab]	0.10 ± 0.01 [a]
Ob+FGM+Mix1	1819 ± 106,30 [de]	1.22 ± 0.06 [d]	0.50 ± 0.05 [c]	0.57 ± 0.03 [b]	0.36 ± 0.05 [ab]	0.15 ± 0.01b [c]
Ob+FGM+Mix2	1444 ± 76.15 [bc]	0.92 ± 0.07 [ab]	0.29 ± 0.03 [ab]	0.57 ± 0.07 [b]	0.32 ± 0.08 [ab]	0.16 ± 0.01 [c]
Ob+FGM+Mix3	1225 ± 55.38 [b]	0.83 ± 0.04 [a]	0.39 ± 0.04 [bc]	0.59 ± 0.04 [b]	0.37 ± 0.05 [ab]	0.16 ± 0.01 [c]
Ob+FGM+Mix4	1967 ± 96,25 [e]	1.19 ± 0.06 [cd]	0.46 ± 0.04 [c]	0.57 ± 0.04 [b]	0.40 ± 0.04 [b]	0.13 ± 0.01 [b]

Leptin (pg mL^{-1}); Glucose; TG: triglycerides; TC: total cholesterol; LDL-c: low-density lipoprotein cholesterol; HDL-c: high–density cholesterol; (g L^{-1}). Data values (n=6) are shown as mean ± standard error (SEM). Values with different superscript letters in the same column are significantly different (p < 0.05) as assessed by Tukey's test.