

**Online resource 2** S-FFA and inflammatory marker responses in the microbiota subgroups post the standardized breakfast, following BKB- or WWB intervention

	WWB		BKB		
	Mean	SEM	Mean	SEM	%Δ <sup>1</sup>
<i>s</i> -FFA, fasting (mmol/L)					
HP, n=12	0.49	0.06	0.48	0.06	-3
LP, n=13	0.45	0.04	0.51	0.05	14
HPB, n=8	0.48	0.10	0.47	0.06	-3
<i>s</i> -FFA, mean 0+180 min (mmol/L)					
HP, n=12	0.36	0.04	0.38	0.06	5
LP, n=13	0.38	0.03	0.41	0.04	6
HPB, n=8	0.37	0.05	0.37	0.03	-2
<i>p</i> -IL-6, fasting (pg/mL)					
HP, n=11	1.68	0.28	1.65	0.24	-1
LP, n=12	2.09	0.36	1.95	0.17	-6
HPB, n=8	2.93	1.36	2.94	1.31	0
<i>p</i> -IL-6, mean 0-180 min (pg/mL)					

HP, n=11	2.34	0.31	2.41	0.46	3
LP, n=12	3.28	0.61	3.05	0.30	-7
HPB, n=8	3.45	1.59	3.57	1.50	3
<i>p</i> -CRP, fasting (mg/L)					
HP, n=11	1.13	0.30	1.21	0.33	7
LP, n=12	1.84	0.58	2.03	0.53	10
HPB, n=8	1.39	0.51	1.46	0.71	5

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<sup>1</sup> The percentage change is calculated as the difference from the WWB

BKB, barley kernel bread; WWB, white wheat bread; FFA, free fatty acids; IL, interleukin; CRP, c-reactive protein

Data are presented as mean  $\pm$  SEM