

**Supplementary Table 4.** Percentages of explained variance of lifestyle-associated, dietary and metabolic factors in circulating chemerin

		<b>% Individual variance</b>	<b>Cumulative variance of selected predictors from RFR*</b>	<b>Cumulative variance of all predictors</b>
<b>Lifestyle-associated factors</b>	BMI	16.9%	16.9%	16.9%
	Waist circumference	13.8%	17.2%	17.2%
	Sports	0.001%	-	17.2%
	Smoking	0.3%	-	17.7%
	Alcohol	0.1%	17.8%	18.3%
	Sleeping duration	0.4%	18.1%	18.7%
	Health satisfaction	1.5%	-	19.2%
<b>Diet</b>	Processed meat	0.1%	0.1%	0.1%
	Red meat	1.0%	1.0%	1.0%
	Fish	0.01%	-	1.0%
	Dairy	0.01%	1.0%	1.0%
	Eggs	0.1%	-	1.1%
	Legumes	0.3%	-	1.3%
	Vegetables	0.2%	1.2%	1.5%
	Fruits	0.3%	1.5%	1.8%
	Nuts	0.1%	-	1.9%
	Whole grains	0.1%	-	1.9%
	Refined grains	0.03%	1.5%	2.0%
	Sugar sweetened beverages	0.1%	1.7%	2.2%
<b>Metabolic factors</b>	hs-CRP	12.5%	12.5%	12.5%
	Total cholesterol	4.7%	-	16.1%
	LDL-C	2.8%	-	16.4%
	HDL-C	2.2%	-	21.8%
	Triglycerides	9.0%	19.4%	21.9%

FLI	7.7%	20.3%	22.7%
ALT	3.0%	-	22.7%
GGT	3.3%	-	22.8%
Uric acid	5.1%	-	22.9%
Creatinine	2.3%	21.5%	23.6%
eGFR	7.3%	27.7%	30.5%
Systolic BP	6.1%	-	31.0%
Diastolic BP	6.0%	-	32.0%
<b>Total</b>		<b>32.9%</b>	<b>35.4%</b>

Abbreviations: ALT, alanine aminotransferase; BP, blood pressure; BMI, body mass index; CRP, c-reactive protein; eGFR, estimated glomerular filtration rate; FLI, fatty liver index; GGT, gamma-glutamyl transferase; HDL-C, high density lipoprotein cholesterol; hs, high sensitivity; LDL-C, low density lipoprotein cholesterol

\*RFR, random forest regression