

**ESM Table 3** Association between immune mediators at baseline (KORA S4, 1999-2001) and changes in HbA<sub>1c</sub> between baseline KORA S4 and 7-year follow-up examination (KORA F4, 2006-2008) using BMI instead of waist circumference as covariable

Variable	Model 1		Model 2		Model 3		Model 4		Model 5	
	$\beta$	<i>p</i>	$\beta$	<i>p</i>	$\beta$	<i>p</i>	$\beta$	<i>p</i>	$\beta$	<i>p</i>
Leukocytes (10 <sup>-3</sup> /μl)	<b>0.176</b>	<b>0.001</b>	<b>0.185</b>	<b>&lt;0.001</b>	<b>0.147</b>	<b>0.004</b>	<b>0.153</b>	<b>0.003</b>	<b>0.154</b>	<b>0.003</b>
hsCRP (nmol/l)	<b>0.045</b>	<b>&lt;0.0001</b>	<b>0.048</b>	<b>&lt;0.0001</b>	<b>0.032</b>	<b>0.006</b>	<b>0.029</b>	<b>0.009</b>	<b>0.029</b>	<b>0.010</b>
SAA (mg/l)	<b>0.036</b>	<b>0.017</b>	<b>0.039</b>	<b>0.011</b>	<b>0.030</b>	<b>0.047</b>	0.028	0.061	0.027	0.070
Fibrinogen (g/l)	0.098	0.077	0.087	0.124	0.052	0.363	0.050	0.379	0.058	0.305
IL-6 (pg/ml)	<b>0.022</b>	<b>0.034</b>	<b>0.025</b>	<b>0.020</b>	0.015	0.159	0.011	0.317	0.011	0.293
Adiponectin (μg/ml)	<b>-0.070</b>	<b>0.007</b>	<b>-0.069</b>	<b>0.008</b>	-0.033	0.224	-0.033	0.219	-0.036	0.189

The table shows  $\beta$  coefficients and *p* values from linear regression analyses with changes in HbA<sub>1c</sub> (HbA<sub>1c</sub>[F4] minus HbA<sub>1c</sub>[S4]<sub>transformed</sub>) as dependent variable and log-transformed immune mediator levels as independent variables (except leukocyte count which was not log-transformed).

Model 1: adjusted for age, sex and HbA<sub>1c</sub>[S4]<sub>transformed</sub>

Model 2: model 1 + smoking, physical activity, alcohol intake

Model 3: model 2 + BMI, LDL cholesterol, HDL cholesterol, triacylglycerols

Model 4: model 3 + changes in BMI (BMI[F4] minus BMI[S4]))

Model 5: model 4 + family history of diabetes