

**TABLE S6. Regression model for SAD defined by R5-R20**

	Estimate	Standard Error	p-value	95% CI Lower Bound	95% CI Upper Bound
Age [yrs]	0.031	0.016	0.046	1.002	1.066
Gender (female)	-0.674	0.393	0.086	0.233	1.094
Sputum eosinophils [%]	0.016	0.011	0.134	0.995	1.039

**TABLE S6. Regression model for SAD defined by R5-R20.** Result of stepwise multivariate regression model including asthma patients with severe and mild-moderate asthma (n=121). The dependent variable is SAD defined by the 95<sup>th</sup> centile of R5-R20. A stepwise-forward regression was calculated to find the best model using AIC. The table shows the variables with best model fit (sputum eosinophils [%], gender, and age). Variables not selected by best model fit are not shown (regular OCS intake (yes/ no), blood eosinophils [1000/ $\mu$ l], sum of sIgE, sum of 36 allergen-specific Immunoglobulin E [kU/l], FeNO [ppb], BMI [Kg/m<sup>2</sup>], smoking [pack-years], and CD27<sup>+</sup>IgA<sup>+</sup> memory B cells [%]).