

**TABLE S9. Correlations between Asthma Quality Of Life Questionnaire (AQLQ) and clinical parameters and IgA<sup>+</sup> memory B cells**

Clinical variable	Variable	estimate	adjusted p-value
AQLQ [score]	FEF <sub>25-75</sub> [z-score]	0.313	0.009
AQLQ [score]	FEV <sub>1</sub> [z-score]	0.290	0.008
AQLQ [score]	FEV <sub>1</sub> /FVC [z-score]	0.188	0.085
AQLQ [score]	Specific IgE [kU/l]	0.182	0.09
AQLQ [score]	OCS [mg/d]	0.041	0.847
AQLQ [score]	Smoking [py]	0.023	0.847
AQLQ [score]	Sputum neutrophils [%]	-0.022	0.847
AQLQ [score]	Disease Duration [yrs]	-0.044	0.735
AQLQ [score]	FeNO [ppb]	-0.095	0.418
AQLQ [score]	Sputum eosinophils [%]	-0.111	0.378
AQLQ [score]	BMI [Kg/m <sup>2</sup> ]	-0.127	0.257
AQLQ [score]	Age [yrs]	-0.156	0.144
AQLQ [score]	Blood eosinophils [1000/ $\mu$ l]	-0.169	0.12
AQLQ [score]	CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	-0.196	0.069
AQLQ [score]	ICS (Fluticasone-equivalent) [ $\mu$ g/d]	-0.200	0.065
AQLQ [score]	CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	-0.278	0.009
AQLQ [score]	Blood neutrophils [1000/ $\mu$ l]	-0.292	0.008
AQLQ [score]	AX [kPa/l/s]	-0.295	0.008
AQLQ [score]	R5-R20 [kPa/l/s]	-0.310	0.005

**TABLE S9. Correlations between Asthma Quality Of Life Questionnaire (AQLQ) and clinical parameters and IgA<sup>+</sup> memory B cells.** Estimates and adjusted p-values after multiple test corrections are shown. FEF<sub>25-75</sub>, forced expiratory flow at 25% - 75% of FVC; FEV<sub>1</sub>, forced expiratory volume in 1 second; FVC, forced vital capacity; FEV<sub>1</sub>/FVC, FEV<sub>1</sub> as % of FVC; IgE, Immunoglobulin E; OCS, oral corticosteroids; FeNO, fractional exhaled nitric oxide; ppb, parts per billion; BMI, Body Mass Index; yrs, years; PY, pack-years; ICS, inhaled corticosteroids; AX, reactance area [kPa/l/s]; R5–R20, resistance at 5 Hz – resistance at 20 Hz [kPa/l/s].