

**Table S4. Linear Model**

<b>B cell variable</b>	<b>Clinical variable</b>	<b>Term</b>	<b>estimate</b>	<b>standard error</b>	<b>p-value</b>	<b>q-value of clinical variable</b>
T1 B cell [%]	Blood neutrophils [1000/ $\mu$ l]	Blood neutrophils [1000/ $\mu$ l]	-0.0895	0.0589	0.1300	0.1911
T1 B cell [%]	Blood neutrophils [1000/ $\mu$ l]	Age	0.0094	0.0078	0.2338	0.1911
T1 B cell [%]	Blood neutrophils [1000/ $\mu$ l]	Regular OCS	-1.0294	0.3386	0.0027	0.1911
T1 B cell [%]	Blood neutrophils [1000/ $\mu$ l]	(Intercept)	1.2838	0.5063	0.0121	0.1911
T1 B cell [%]	BMI [Kg/m <sup>2</sup> ]	BMI [Kg/m <sup>2</sup> ]	0.0247	0.0199	0.2169	0.2236
T1 B cell [%]	BMI [Kg/m <sup>2</sup> ]	Age	0.0095	0.0078	0.2246	0.2236
T1 B cell [%]	BMI [Kg/m <sup>2</sup> ]	Regular OCS	-1.3554	0.2920	< 0,001	0.2236
T1 B cell [%]	BMI [Kg/m <sup>2</sup> ]	(Intercept)	0.2408	0.6594	0.7154	0.2236
T1 B cell [%]	Sputum inflammation	Mixed granulocytic inflammation	-0.4878	0.4163	0.2433	0.2236
T1 B cell [%]	Sputum inflammation	Neutrophilic inflammation	-0.7629	0.3689	0.0404	0.2236
T1 B cell [%]	Sputum inflammation	Eosinophilic inflammation	-0.6300	0.4545	0.1679	0.2236
T1 B cell [%]	Sputum inflammation	Age	0.0181	0.0094	0.0576	0.2236
T1 B cell [%]	Sputum inflammation	Regular OCS	-1.1920	0.3437	< 0,001	0.2236
T1 B cell [%]	Sputum inflammation	(Intercept)	0.9811	0.5011	0.0522	0.2236
T1 B cell [%]	FEV <sub>1</sub> /FVC [z-score]	FEV <sub>1</sub> /FVC [z-score]	-0.0883	0.0887	0.3209	0.2498
T1 B cell [%]	FEV <sub>1</sub> /FVC [z-score]	Age	0.0099	0.0079	0.2104	0.2498
T1 B cell [%]	FEV <sub>1</sub> /FVC [z-score]	Regular OCS	-1.3447	0.3009	< 0,001	0.2498
T1 B cell [%]	FEV <sub>1</sub> /FVC [z-score]	(Intercept)	0.7540	0.4375	0.0867	0.2498
T1 B cell [%]	R5-R20 [kPa/l/s]	R5-R20 [kPa/l/s]	0.9784	1.0534	0.3543	0.2498
T1 B cell [%]	R5-R20 [kPa/l/s]	Age	0.0086	0.0079	0.2831	0.2498
T1 B cell [%]	R5-R20 [kPa/l/s]	Regular OCS	-1.3445	0.2949	< 0,001	0.2498
T1 B cell [%]	R5-R20 [kPa/l/s]	(Intercept)	0.8485	0.4213	0.0456	0.2498
T1 B cell [%]	Blood eosinophils [1000/ $\mu$ l]	Blood eosinophils [1000/ $\mu$ l]	-0.3583	0.3784	0.3450	0.2498
T1 B cell [%]	Blood eosinophils [1000/ $\mu$ l]	Age	0.0109	0.0078	0.1638	0.2498
T1 B cell [%]	Blood eosinophils [1000/ $\mu$ l]	Regular OCS	-1.2686	0.2909	< 0,001	0.2498
T1 B cell [%]	Blood eosinophils [1000/ $\mu$ l]	(Intercept)	0.9538	0.4343	0.0294	0.2498
T1 B cell [%]	AX [kPa/l/s]	AX [kPa/l/s]	0.0623	0.0814	0.4451	0.2789
T1 B cell [%]	AX [kPa/l/s]	Age	0.0101	0.0079	0.2064	0.2789
T1 B cell [%]	AX [kPa/l/s]	Regular OCS	-1.3438	0.3050	< 0,001	0.2789
T1 B cell [%]	AX [kPa/l/s]	(Intercept)	0.8308	0.4248	0.0522	0.2789
T1 B cell [%]	Gender	Female	-0.1652	0.2249	0.4635	0.2806

T1 B cell [%]	Gender	Age	0.0098	0.0078	0.2075	0.2806
T1 B cell [%]	Gender	Regular OCS	-1.2957	0.2882	< 0,001	0.2806
T1 B cell [%]	Gender	(Intercept)	0.9810	0.4431	0.0282	0.2806
T1 B cell [%]	GINA control status	Uncontrolled	0.2066	0.3129	0.5102	0.3057
T1 B cell [%]	GINA control status	Partly controlled	0.0238	0.3217	0.9411	0.3057
T1 B cell [%]	GINA control status	Age	0.0113	0.0093	0.2256	0.3057
T1 B cell [%]	GINA control status	Regular OCS	-1.3192	0.3141	< 0,001	0.3057
T1 B cell [%]	GINA control status	(Intercept)	0.7046	0.5190	0.1767	0.3057
T1 B cell [%]	FEF <sub>25-75</sub> [z-score]	FEF <sub>25-75</sub> [z-score]	-0.0431	0.1060	0.6848	0.3057
T1 B cell [%]	FEF <sub>25-75</sub> [z-score]	Age	0.0115	0.0091	0.2076	0.3057
T1 B cell [%]	FEF <sub>25-75</sub> [z-score]	Regular OCS	-1.3750	0.3367	< 0,001	0.3057
T1 B cell [%]	FEF <sub>25-75</sub> [z-score]	(Intercept)	0.7702	0.5182	0.1395	0.3057
T1 B cell [%]	FEV <sub>1</sub> [z-score]	FEV <sub>1</sub> [z-score]	-0.0396	0.0821	0.6306	0.3057
T1 B cell [%]	FEV <sub>1</sub> [z-score]	Age	0.0104	0.0079	0.1881	0.3057
T1 B cell [%]	FEV <sub>1</sub> [z-score]	Regular OCS	-1.3212	0.3075	< 0,001	0.3057
T1 B cell [%]	FEV <sub>1</sub> [z-score]	(Intercept)	0.8164	0.4358	0.0628	0.3057
T1 B cell [%]	Age at asthma diagnosis [yrs]	Age at diagnosis >40yrs	-0.1081	0.4664	0.8170	0.3057
T1 B cell [%]	Age at asthma diagnosis [yrs]	Age at diagnosis 18-40yrs	0.1838	0.4413	0.6778	0.3057
T1 B cell [%]	Age at asthma diagnosis [yrs]	Age at diagnosis 6-18yrs	-0.0984	0.4589	0.8305	0.3057
T1 B cell [%]	Age at asthma diagnosis [yrs]	Age	0.0156	0.0104	0.1370	0.3057
T1 B cell [%]	Age at asthma diagnosis [yrs]	Regular OCS	-1.2188	0.3057	< 0,001	0.3057
T1 B cell [%]	Age at asthma diagnosis [yrs]	(Intercept)	0.5174	0.6078	0.3960	0.3057
T1 B cell [%]	Asthma severity	Healthy	0.0500	0.4191	0.9051	0.3057
T1 B cell [%]	Asthma severity	Mild-moderate asthma	-0.1888	0.3435	0.5833	0.3057
T1 B cell [%]	Asthma severity	Age	0.0098	0.0078	0.2111	0.3057
T1 B cell [%]	Asthma severity	Regular OCS	-1.4001	0.3975	< 0,001	0.3057
T1 B cell [%]	Asthma severity	(Intercept)	1.0036	0.5290	0.0595	0.3057
T1 B cell [%]	Specific IgE [kU/l]	Specific IgE [kU/l]	0.0133	0.0314	0.6732	0.3057
T1 B cell [%]	Specific IgE [kU/l]	Age	0.0106	0.0078	0.1765	0.3057
T1 B cell [%]	Specific IgE [kU/l]	Regular OCS	-1.2765	0.2905	< 0,001	0.3057
T1 B cell [%]	Specific IgE [kU/l]	(Intercept)	0.8190	0.4384	0.0634	0.3057
T1 B cell [%]	Smoking status	Current or former smokers ≥10PY	0.0638	0.2669	0.8114	0.3099
T1 B cell [%]	Smoking status	Age	0.0099	0.0078	0.2084	0.3099
T1 B cell [%]	Smoking status	Regular OCS	-1.2959	0.2893	< 0,001	0.3099
T1 B cell [%]	Smoking status	(Intercept)	0.8735	0.4189	0.0385	0.3099

T1 B cell [%]	Positive BDR [yes/no]	No	-0.0614	0.2970	0.8364	0.3133
T1 B cell [%]	Positive BDR [yes/no]	Age	0.0098	0.0079	0.2194	0.3133
T1 B cell [%]	Positive BDR [yes/no]	Regular OCS	-1.2798	0.2975	< 0,001	0.3133
T1 B cell [%]	Positive BDR [yes/no]	(Intercept)	0.9409	0.4881	0.0556	0.3133
T1 B cell [%]	Severe exacerbations [n]	Severe exacerbations [n]	0.0061	0.0500	0.9031	0.3222
T1 B cell [%]	Severe exacerbations [n]	Age	0.0108	0.0081	0.1854	0.3222
T1 B cell [%]	Severe exacerbations [n]	Regular OCS	-1.3173	0.3506	< 0,001	0.3222
T1 B cell [%]	Severe exacerbations [n]	(Intercept)	0.8345	0.4360	0.0573	0.3222
T2 B cell [%]	Blood neutrophils [1000/ $\mu$ l]	Blood neutrophils [1000/ $\mu$ l]	-0.2527	0.1372	0.0672	0.1486
T2 B cell [%]	Blood neutrophils [1000/ $\mu$ l]	Age	0.0072	0.0183	0.6925	0.1486
T2 B cell [%]	Blood neutrophils [1000/ $\mu$ l]	Regular OCS	-3.0242	0.7890	< 0,001	0.1486
T2 B cell [%]	Blood neutrophils [1000/ $\mu$ l]	(Intercept)	5.8595	1.1798	< 0,001	0.1486
T2 B cell [%]	Blood eosinophils [1000/ $\mu$ l]	Blood eosinophils [1000/ $\mu$ l]	-1.1171	0.8828	0.2074	0.2236
T2 B cell [%]	Blood eosinophils [1000/ $\mu$ l]	Age	0.0117	0.0182	0.5214	0.2236
T2 B cell [%]	Blood eosinophils [1000/ $\mu$ l]	Regular OCS	-3.6897	0.6786	< 0,001	0.2236
T2 B cell [%]	Blood eosinophils [1000/ $\mu$ l]	(Intercept)	4.9588	1.0130	< 0,001	0.2236
T2 B cell [%]	BMI [Kg/m <sup>2</sup> ]	BMI [Kg/m <sup>2</sup> ]	0.0496	0.0465	0.2879	0.2485
T2 B cell [%]	BMI [Kg/m <sup>2</sup> ]	Age	0.0087	0.0181	0.6305	0.2485
T2 B cell [%]	BMI [Kg/m <sup>2</sup> ]	Regular OCS	-3.9042	0.6829	< 0,001	0.2485
T2 B cell [%]	BMI [Kg/m <sup>2</sup> ]	(Intercept)	3.4012	1.5424	0.0288	0.2485
T2 B cell [%]	Gender	Female	-0.4578	0.5252	0.3846	0.2598
T2 B cell [%]	Gender	Age	0.0092	0.0181	0.6110	0.2598
T2 B cell [%]	Gender	Regular OCS	-3.7875	0.6729	< 0,001	0.2598
T2 B cell [%]	Gender	(Intercept)	4.9720	1.0346	< 0,001	0.2598
T2 B cell [%]	Asthma severity	Healthy	0.9182	0.9767	0.3485	0.2789
T2 B cell [%]	Asthma severity	Mild-moderate asthma	-0.0236	0.8005	0.9765	0.2789
T2 B cell [%]	Asthma severity	Age	0.0106	0.0182	0.5611	0.2789
T2 B cell [%]	Asthma severity	Regular OCS	-3.6177	0.9261	< 0,001	0.2789
T2 B cell [%]	Asthma severity	(Intercept)	4.4936	1.2326	< 0,001	0.2789
T2 B cell [%]	FEV <sub>1</sub> /FVC [z-score]	FEV <sub>1</sub> /FVC [z-score]	-0.1112	0.2071	0.5920	0.3057
T2 B cell [%]	FEV <sub>1</sub> /FVC [z-score]	Age	0.0103	0.0183	0.5751	0.3057
T2 B cell [%]	FEV <sub>1</sub> /FVC [z-score]	Regular OCS	-3.7892	0.7025	< 0,001	0.3057
T2 B cell [%]	FEV <sub>1</sub> /FVC [z-score]	(Intercept)	4.4694	1.0216	< 0,001	0.3057

T2 B cell [%]	R5-R20 [kPa/l/s]	R5-R20 [kPa/l/s]	0.6856	2.4647	0.7812	0.3057
T2 B cell [%]	R5-R20 [kPa/l/s]	Age	0.0088	0.0186	0.6384	0.3057
T2 B cell [%]	R5-R20 [kPa/l/s]	Regular OCS	-3.8038	0.6901	< 0,001	0.3057
T2 B cell [%]	R5-R20 [kPa/l/s]	(Intercept)	4.6668	0.9858	< 0,001	0.3057
T2 B cell [%]	Sputum inflammation	Mixed granulocytic inflammation	-0.3185	0.9726	0.7438	0.3057
T2 B cell [%]	Sputum inflammation	Neutrophilic inflammation	-0.9722	0.8617	0.2611	0.3057
T2 B cell [%]	Sputum inflammation	Eosinophilic inflammation	-0.8894	1.0617	0.4036	0.3057
T2 B cell [%]	Sputum inflammation	Age	0.0222	0.0221	0.3163	0.3057
T2 B cell [%]	Sputum inflammation	Regular OCS	-3.8080	0.8028	< 0,001	0.3057
T2 B cell [%]	Sputum inflammation	(Intercept)	4.7118	1.1707	< 0,001	0.3057
T2 B cell [%]	Positive BDR [yes/no]	No	0.2476	0.6914	0.7208	0.3057
T2 B cell [%]	Positive BDR [yes/no]	Age	0.0101	0.0185	0.5843	0.3057
T2 B cell [%]	Positive BDR [yes/no]	Regular OCS	-3.7002	0.6928	< 0,001	0.3057
T2 B cell [%]	Positive BDR [yes/no]	(Intercept)	4.4641	1.1365	< 0,001	0.3057
T2 B cell [%]	Age at asthma diagnosis [yrs]	Age at diagnosis >40yrs	-0.5321	1.0462	0.6118	0.3057
T2 B cell [%]	Age at asthma diagnosis [yrs]	Age at diagnosis 18-40yrs	0.2902	0.9900	0.7698	0.3057
T2 B cell [%]	Age at asthma diagnosis [yrs]	Age at diagnosis 6-18yrs	-0.2558	1.0294	0.8041	0.3057
T2 B cell [%]	Age at asthma diagnosis [yrs]	Age	0.0215	0.0233	0.3572	0.3057
T2 B cell [%]	Age at asthma diagnosis [yrs]	Regular OCS	-3.4605	0.6857	< 0,001	0.3057
T2 B cell [%]	Age at asthma diagnosis [yrs]	(Intercept)	3.9519	1.3633	0.0043	0.3057
T2 B cell [%]	Specific IgE [kU/l]	Specific IgE [kU/l]	0.0388	0.0734	0.5981	0.3057
T2 B cell [%]	Specific IgE [kU/l]	Age	0.0116	0.0183	0.5285	0.3057
T2 B cell [%]	Specific IgE [kU/l]	Regular OCS	-3.7322	0.6784	< 0,001	0.3057
T2 B cell [%]	Specific IgE [kU/l]	(Intercept)	4.5150	1.0238	< 0,001	0.3057
T2 B cell [%]	AX [kPa/l/s]	AX [kPa/l/s]	0.0412	0.1903	0.8289	0.3133
T2 B cell [%]	AX [kPa/l/s]	Age	0.0114	0.0186	0.5404	0.3133
T2 B cell [%]	AX [kPa/l/s]	Regular OCS	-3.7989	0.7129	< 0,001	0.3133
T2 B cell [%]	AX [kPa/l/s]	(Intercept)	4.5938	0.9930	< 0,001	0.3133
T2 B cell [%]	FEV <sub>1</sub> [z-score]	FEV <sub>1</sub> [z-score]	0.0306	0.1914	0.8730	0.3201
T2 B cell [%]	FEV <sub>1</sub> [z-score]	Age	0.0107	0.0183	0.5592	0.3201
T2 B cell [%]	FEV <sub>1</sub> [z-score]	Regular OCS	-3.6712	0.7168	< 0,001	0.3201
T2 B cell [%]	FEV <sub>1</sub> [z-score]	(Intercept)	4.6463	1.0161	< 0,001	0.3201
T2 B cell [%]	GINA control status	Uncontrolled	0.3042	0.7029	0.6658	0.3222

T2 B cell [%]	GINA control status	Partly controlled	0.2026	0.7226	0.7796	0.3222
T2 B cell [%]	GINA control status	Age	0.0089	0.0208	0.6708	0.3222
T2 B cell [%]	GINA control status	Regular OCS	-3.6603	0.7055	< 0,001	0.3222
T2 B cell [%]	GINA control status	(Intercept)	4.4022	1.1659	< 0,001	0.3222
T2 B cell [%]	Smoking status	Current or former smokers $\geq 10$ PY	-0.0516	0.6237	0.9341	0.3294
T2 B cell [%]	Smoking status	Age	0.0104	0.0183	0.5709	0.3294
T2 B cell [%]	Smoking status	Regular OCS	-3.7705	0.6759	< 0,001	0.3294
T2 B cell [%]	Smoking status	(Intercept)	4.6749	0.9789	< 0,001	0.3294
T2 B cell [%]	FEF <sub>25-75</sub> [z-score]	FEF <sub>25-75</sub> [z-score]	0.0145	0.2421	0.9523	0.3339
T2 B cell [%]	FEF <sub>25-75</sub> [z-score]	Age	0.0152	0.0208	0.4663	0.3339
T2 B cell [%]	FEF <sub>25-75</sub> [z-score]	Regular OCS	-4.1197	0.7688	< 0,001	0.3339
T2 B cell [%]	FEF <sub>25-75</sub> [z-score]	(Intercept)	4.5948	1.1835	< 0,001	0.3339
T2 B cell [%]	Severe exacerbations [n]	Severe exacerbations [n]	0.0028	0.1149	0.9806	0.3420
T2 B cell [%]	Severe exacerbations [n]	Age	0.0109	0.0187	0.5626	0.3420
T2 B cell [%]	Severe exacerbations [n]	Regular OCS	-3.7785	0.8064	< 0,001	0.3420
T2 B cell [%]	Severe exacerbations [n]	(Intercept)	4.6275	1.0028	< 0,001	0.3420
Naive B cell [%]	FEF <sub>25-75</sub> [z-score]	FEF <sub>25-75</sub> [z-score]	2.3927	1.0318	0.0218	0.0867
Naive B cell [%]	FEF <sub>25-75</sub> [z-score]	Age	0.0209	0.0888	0.8141	0.0867
Naive B cell [%]	FEF <sub>25-75</sub> [z-score]	Regular OCS	-10.4268	3.2761	0.0018	0.0867
Naive B cell [%]	FEF <sub>25-75</sub> [z-score]	(Intercept)	63.0731	5.0429	< 0,001	0.0867
Naive B cell [%]	FEV <sub>1</sub> /FVC [z-score]	FEV <sub>1</sub> /FVC [z-score]	1.9338	0.8880	0.0308	0.0998
Naive B cell [%]	FEV <sub>1</sub> /FVC [z-score]	Age	-0.0411	0.0786	0.6017	0.0998
Naive B cell [%]	FEV <sub>1</sub> /FVC [z-score]	Regular OCS	-10.5614	3.0113	< 0,001	0.0998
Naive B cell [%]	FEV <sub>1</sub> /FVC [z-score]	(Intercept)	66.9550	4.3793	< 0,001	0.0998
Naive B cell [%]	Severe exacerbations [n]	Severe exacerbations [n]	-0.9436	0.5007	0.0613	0.1486
Naive B cell [%]	Severe exacerbations [n]	Age	-0.0213	0.0815	0.7941	0.1486
Naive B cell [%]	Severe exacerbations [n]	Regular OCS	-9.1389	3.5133	0.0101	0.1486
Naive B cell [%]	Severe exacerbations [n]	(Intercept)	64.6066	4.3689	< 0,001	0.1486
Naive B cell [%]	FEV <sub>1</sub> [z-score]	FEV <sub>1</sub> [z-score]	1.4899	0.8234	0.0722	0.1517
Naive B cell [%]	FEV <sub>1</sub> [z-score]	Age	-0.0541	0.0789	0.4934	0.1517
Naive B cell [%]	FEV <sub>1</sub> [z-score]	Regular OCS	-10.3899	3.0834	0.0009	0.1517

Naive B cell [%]	FEV <sub>1</sub> [z-score]	(Intercept)	66.3529	4.3711	< 0,001	0.1517
Naive B cell [%]	Asthma severity	Healthy	0.8976	4.2176	0.8317	0.1911
Naive B cell [%]	Asthma severity	Mild-moderate asthma	6.0546	3.4569	0.0817	0.1911
Naive B cell [%]	Asthma severity	Age	-0.0321	0.0787	0.6838	0.1911
Naive B cell [%]	Asthma severity	Regular OCS	-7.9827	3.9994	0.0475	0.1911
Naive B cell [%]	Asthma severity	(Intercept)	59.7485	5.3227	< 0,001	0.1911
Naive B cell [%]	GINA control status	Uncontrolled	-1.9738	3.1423	0.5309	0.2485
Naive B cell [%]	GINA control status	Partly controlled	2.8943	3.2306	0.3718	0.2485
Naive B cell [%]	GINA control status	Age	-0.0666	0.0931	0.4752	0.2485
Naive B cell [%]	GINA control status	Regular OCS	-11.7167	3.1539	< 0,001	0.2485
Naive B cell [%]	GINA control status	(Intercept)	66.0265	5.2122	< 0,001	0.2485
Naive B cell [%]	R5-R20 [kPa/l/s]	R5-R20 [kPa/l/s]	-10.9645	10.7168	0.3077	0.2485
Naive B cell [%]	R5-R20 [kPa/l/s]	Age	-0.0292	0.0808	0.7185	0.2485
Naive B cell [%]	R5-R20 [kPa/l/s]	Regular OCS	-11.3776	3.0006	< 0,001	0.2485
Naive B cell [%]	R5-R20 [kPa/l/s]	(Intercept)	64.9111	4.2864	< 0,001	0.2485
Naive B cell [%]	Gender	Female	2.2382	2.2858	0.3289	0.2498
Naive B cell [%]	Gender	Age	-0.0402	0.0790	0.6116	0.2498
Naive B cell [%]	Gender	Regular OCS	-11.8856	2.9288	< 0,001	0.2498
Naive B cell [%]	Gender	(Intercept)	63.0004	4.5033	< 0,001	0.2498
Naive B cell [%]	AX [kPa/l/s]	AX [kPa/l/s]	-0.7091	0.8096	0.3824	0.2598
Naive B cell [%]	AX [kPa/l/s]	Age	-0.0411	0.0790	0.6035	0.2598
Naive B cell [%]	AX [kPa/l/s]	Regular OCS	-9.5916	3.0337	0.0019	0.2598
Naive B cell [%]	AX [kPa/l/s]	(Intercept)	64.8139	4.2253	< 0,001	0.2598
Naive B cell [%]	BMI [Kg/m <sup>2</sup> ]	BMI [Kg/m <sup>2</sup> ]	0.1694	0.2029	0.4048	0.2655
Naive B cell [%]	BMI [Kg/m <sup>2</sup> ]	Age	-0.0498	0.0791	0.5299	0.2655
Naive B cell [%]	BMI [Kg/m <sup>2</sup> ]	Regular OCS	-12.3926	2.9780	< 0,001	0.2655
Naive B cell [%]	BMI [Kg/m <sup>2</sup> ]	(Intercept)	60.1038	6.7260	< 0,001	0.2655
Naive B cell [%]	Age at asthma diagnosis [yrs]	Age at diagnosis >40yrs	4.5755	4.7550	0.3376	0.2789
Naive B cell [%]	Age at asthma diagnosis [yrs]	Age at diagnosis 18-40yrs	-0.3365	4.4997	0.9405	0.2789

Naive B cell [%]	Age at asthma diagnosis [yrs]	Age at diagnosis 6-18yrs	-0.5301	4.6787	0.9100	0.2789
Naive B cell [%]	Age at asthma diagnosis [yrs]	Age	-0.1494	0.1060	0.1611	0.2789
Naive B cell [%]	Age at asthma diagnosis [yrs]	Regular OCS	-13.4080	3.1167	< 0,001	0.2789
Naive B cell [%]	Age at asthma diagnosis [yrs]	(Intercept)	69.7230	6.1964	< 0,001	0.2789
Naive B cell [%]	Smoking status	Current or former smokers $\geq 10$ PY	-1.3329	2.7145	0.6240	0.3057
Naive B cell [%]	Smoking status	Age	-0.0393	0.0798	0.6233	0.3057
Naive B cell [%]	Smoking status	Regular OCS	-11.8459	2.9418	< 0,001	0.3057
Naive B cell [%]	Smoking status	(Intercept)	64.4585	4.2605	< 0,001	0.3057
Naive B cell [%]	Sputum inflammation	Mixed granulocytic inflammation	0.4986	4.0879	0.9031	0.3057
Naive B cell [%]	Sputum inflammation	Neutrophilic inflammation	3.4855	3.6216	0.3375	0.3057
Naive B cell [%]	Sputum inflammation	Eosinophilic inflammation	2.1627	4.4624	0.6287	0.3057
Naive B cell [%]	Sputum inflammation	Age	-0.0862	0.0928	0.3542	0.3057
Naive B cell [%]	Sputum inflammation	Regular OCS	-10.2722	3.3742	0.0028	0.3057
Naive B cell [%]	Sputum inflammation	(Intercept)	64.8153	4.9204	< 0,001	0.3057
Naive B cell [%]	Positive BDR [yes/no]	No	-1.0860	3.0022	0.7180	0.3057
Naive B cell [%]	Positive BDR [yes/no]	Age	-0.0487	0.0802	0.5443	0.3057
Naive B cell [%]	Positive BDR [yes/no]	Regular OCS	-12.0144	3.0080	< 0,001	0.3057
Naive B cell [%]	Positive BDR [yes/no]	(Intercept)	65.2296	4.9346	< 0,001	0.3057
Naive B cell [%]	Specific IgE [kU/l]	Specific IgE [kU/l]	0.1184	0.3198	0.7116	0.3057
Naive B cell [%]	Specific IgE [kU/l]	Age	-0.0406	0.0798	0.6115	0.3057
Naive B cell [%]	Specific IgE [kU/l]	Regular OCS	-11.8204	2.9557	< 0,001	0.3057
Naive B cell [%]	Specific IgE [kU/l]	(Intercept)	63.9659	4.4607	< 0,001	0.3057
Naive B cell [%]	Blood neutrophils [1000/ $\mu$ l]	Blood neutrophils [1000/ $\mu$ l]	-0.1278	0.6020	0.8321	0.3133
Naive B cell [%]	Blood neutrophils [1000/ $\mu$ l]	Age	-0.0556	0.0802	0.4892	0.3133
Naive B cell [%]	Blood neutrophils [1000/ $\mu$ l]	Regular OCS	-11.4050	3.4631	0.0012	0.3133
Naive B cell [%]	Blood neutrophils [1000/ $\mu$ l]	(Intercept)	65.4260	5.1781	< 0,001	0.3133
Naive B cell [%]	Blood eosinophils [1000/ $\mu$ l]	Blood eosinophils [1000/ $\mu$ l]	-0.5269	3.8548	0.8914	0.3222
Naive B cell [%]	Blood eosinophils [1000/ $\mu$ l]	Age	-0.0533	0.0797	0.5043	0.3222
Naive B cell [%]	Blood eosinophils [1000/ $\mu$ l]	Regular OCS	-11.7450	2.9631	< 0,001	0.3222

Naive B cell [%]	Blood eosinophils [1000/ $\mu$ l]	(Intercept)	64.9595	4.4238	< 0,001	0.3222
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	Smoking status	Current or former smokers $\geq$ 10PY	-2.9017	1.2028	0.0169	0.0867
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	Smoking status	Age	0.0643	0.0354	0.0708	0.0867
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	Smoking status	Regular OCS	4.6126	1.3035	< 0,001	0.0867
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	Smoking status	(Intercept)	4.9944	1.8878	0.0089	0.0867
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	Asthma severity	Healthy	-4.0344	1.8796	0.0332	0.0867
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	Asthma severity	Mild-moderate asthma	-4.3587	1.5406	0.0052	0.0867
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	Asthma severity	Age	0.0413	0.0351	0.2407	0.0867
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	Asthma severity	Regular OCS	0.8988	1.7824	0.6147	0.0867
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	Asthma severity	(Intercept)	9.1042	2.3721	< 0,001	0.0867
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	FEV <sub>1</sub> /FVC [z-score]	FEV <sub>1</sub> /FVC [z-score]	-0.8005	0.3950	0.0443	0.1293
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	FEV <sub>1</sub> /FVC [z-score]	Age	0.0404	0.0350	0.2499	0.1293
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	FEV <sub>1</sub> /FVC [z-score]	Regular OCS	3.2786	1.3397	0.0154	0.1293
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	FEV <sub>1</sub> /FVC [z-score]	(Intercept)	4.4543	1.9483	0.0235	0.1293
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	Age at asthma diagnosis [yrs]	Age at diagnosis >40yrs	-2.1871	2.1952	0.3208	0.1486
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	Age at asthma diagnosis [yrs]	Age at diagnosis 18-40yrs	1.7603	2.0773	0.3982	0.1486
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	Age at asthma diagnosis [yrs]	Age at diagnosis 6-18yrs	-1.0040	2.1599	0.6428	0.1486
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	Age at asthma diagnosis [yrs]	Age	0.0873	0.0489	0.0766	0.1486
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	Age at asthma diagnosis [yrs]	Regular OCS	4.7298	1.4388	0.0013	0.1486
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	Age at asthma diagnosis [yrs]	(Intercept)	3.4903	2.8606	0.2244	0.1486
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	FEV <sub>1</sub> [z-score]	FEV <sub>1</sub> [z-score]	-0.6590	0.3657	0.0733	0.1517
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	FEV <sub>1</sub> [z-score]	Age	0.0459	0.0350	0.1919	0.1517
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	FEV <sub>1</sub> [z-score]	Regular OCS	3.1611	1.3694	0.0222	0.1517
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	FEV <sub>1</sub> [z-score]	(Intercept)	4.6517	1.9412	0.0177	0.1517
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	FEF <sub>25-75</sub> [z-score]	FEF <sub>25-75</sub> [z-score]	-0.8087	0.4800	0.0942	0.1832
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	FEF <sub>25-75</sub> [z-score]	Age	0.0277	0.0413	0.5040	0.1832
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	FEF <sub>25-75</sub> [z-score]	Regular OCS	3.2168	1.5240	0.0365	0.1832
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	FEF <sub>25-75</sub> [z-score]	(Intercept)	5.5200	2.3460	0.0200	0.1832
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	Gender	Female	-1.4925	1.0257	0.1475	0.1911



CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	Gender	Age	0.0491	0.0354	0.1679	0.1911
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	Gender	Regular OCS	4.3448	1.3142	0.0012	0.1911
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	Gender	(Intercept)	5.9532	2.0207	0.0037	0.1911
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	Blood neutrophils [1000/ $\mu$ l]	Blood neutrophils [1000/ $\mu$ l]	0.3547	0.2703	0.1912	0.2152
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	Blood neutrophils [1000/ $\mu$ l]	Age	0.0589	0.0360	0.1036	0.2152
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	Blood neutrophils [1000/ $\mu$ l]	Regular OCS	3.2879	1.5549	0.0359	0.2152
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	Blood neutrophils [1000/ $\mu$ l]	(Intercept)	3.2165	2.3250	0.1683	0.2152
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	BMI [Kg/m <sup>2</sup> ]	BMI [Kg/m <sup>2</sup> ]	-0.0944	0.0913	0.3025	0.2485
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	BMI [Kg/m <sup>2</sup> ]	Age	0.0549	0.0356	0.1244	0.2485
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	BMI [Kg/m <sup>2</sup> ]	Regular OCS	4.6342	1.3393	< 0,001	0.2485
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	BMI [Kg/m <sup>2</sup> ]	(Intercept)	7.4069	3.0249	0.0153	0.2485
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	Blood eosinophils [1000/ $\mu$ l]	Blood eosinophils [1000/ $\mu$ l]	1.6242	1.7350	0.3505	0.2498
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	Blood eosinophils [1000/ $\mu$ l]	Age	0.0526	0.0359	0.1445	0.2498
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	Blood eosinophils [1000/ $\mu$ l]	Regular OCS	4.2171	1.3336	0.0019	0.2498
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	Blood eosinophils [1000/ $\mu$ l]	(Intercept)	4.4650	1.9910	0.0262	0.2498
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	GINA control status	Uncontrolled	1.8207	1.4749	0.2191	0.2655
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	GINA control status	Partly controlled	0.2847	1.5163	0.8513	0.2655
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	GINA control status	Age	0.0615	0.0437	0.1612	0.2655
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	GINA control status	Regular OCS	3.7032	1.4804	0.0135	0.2655
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	GINA control status	(Intercept)	3.9327	2.4465	0.1101	0.2655
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	Severe exacerbations [n]	Severe exacerbations [n]	-0.1461	0.2282	0.5228	0.2995
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	Severe exacerbations [n]	Age	0.0489	0.0371	0.1902	0.2995
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	Severe exacerbations [n]	Regular OCS	4.9878	1.6010	0.0022	0.2995
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	Severe exacerbations [n]	(Intercept)	5.2456	1.9909	0.0092	0.2995
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	R5-R20 [kPa/l/s]	R5-R20 [kPa/l/s]	2.3100	4.8426	0.6340	0.3057
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	R5-R20 [kPa/l/s]	Age	0.0488	0.0365	0.1833	0.3057
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	R5-R20 [kPa/l/s]	Regular OCS	4.2756	1.3559	0.0019	0.3057
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	R5-R20 [kPa/l/s]	(Intercept)	4.8834	1.9369	0.0126	0.3057
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	Positive BDR [yes/no]	No	0.5789	1.3347	0.6650	0.3057

CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	Positive BDR [yes/no]	Age	0.0451	0.0356	0.2078	0.3057
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	Positive BDR [yes/no]	Regular OCS	3.8976	1.3372	0.0040	0.3057
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	Positive BDR [yes/no]	(Intercept)	4.9684	2.1937	0.0248	0.3057
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	Specific IgE [kU/l]	Specific IgE [kU/l]	-0.0882	0.1439	0.5409	0.3057
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	Specific IgE [kU/l]	Age	0.0490	0.0359	0.1738	0.3057
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	Specific IgE [kU/l]	Regular OCS	4.2913	1.3298	0.0015	0.3057
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	Specific IgE [kU/l]	(Intercept)	5.3472	2.0069	0.0084	0.3057
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	AX [kPa/l/s]	AX [kPa/l/s]	0.0915	0.3742	0.8070	0.3099
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	AX [kPa/l/s]	Age	0.0546	0.0365	0.1366	0.3099
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	AX [kPa/l/s]	Regular OCS	4.4656	1.4021	0.0017	0.3099
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	AX [kPa/l/s]	(Intercept)	4.7903	1.9528	0.0152	0.3099
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	Sputum inflammation	Mixed granulocytic inflammation	0.1465	1.6863	0.9309	0.3133
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	Sputum inflammation	Neutrophilic inflammation	-0.0249	1.4940	0.9867	0.3133
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	Sputum inflammation	Eosinophilic inflammation	1.2882	1.8408	0.4852	0.3133
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	Sputum inflammation	Age	0.0671	0.0383	0.0819	0.3133
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	Sputum inflammation	Regular OCS	2.7278	1.3919	0.0520	0.3133
CD27 <sup>+</sup> IgM <sup>+</sup> B cell [%]	Sputum inflammation	(Intercept)	4.2282	2.0298	0.0390	0.3133
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Gender	Female	0.8336	0.5961	0.1638	0.1911
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Gender	Age	-0.0308	0.0206	0.1369	0.1911
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Gender	Regular OCS	2.5984	0.7638	0.0008	0.1911
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Gender	(Intercept)	5.4657	1.1744	< 0,001	0.1911
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Severe exacerbations [n]	Severe exacerbations [n]	0.1946	0.1324	0.1435	0.1911
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Severe exacerbations [n]	Age	-0.0329	0.0216	0.1293	0.1911
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Severe exacerbations [n]	Regular OCS	1.8538	0.9289	0.0476	0.1911
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Severe exacerbations [n]	(Intercept)	5.8556	1.1551	< 0,001	0.1911
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Sputum inflammation	Mixed granulocytic inflammation	1.2171	0.8163	0.1382	0.2319
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Sputum inflammation	Neutrophilic inflammation	0.0234	0.7232	0.9742	0.2319
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Sputum inflammation	Eosinophilic inflammation	0.0645	0.8911	0.9424	0.2319
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Sputum inflammation	Age	-0.0386	0.0185	0.0388	0.2319

CD27-IgG <sup>+</sup> B cell [%]	Sputum inflammation	Regular OCS	1.8176	0.6738	0.0078	0.2319
CD27-IgG <sup>+</sup> B cell [%]	Sputum inflammation	(Intercept)	5.8244	0.9825	< 0,001	0.2319
CD27-IgG <sup>+</sup> B cell [%]	Specific IgE [kU/l]	Specific IgE [kU/l]	0.0975	0.0833	0.2438	0.2319
CD27-IgG <sup>+</sup> B cell [%]	Specific IgE [kU/l]	Age	-0.0291	0.0208	0.1643	0.2319
CD27-IgG <sup>+</sup> B cell [%]	Specific IgE [kU/l]	Regular OCS	2.6808	0.7703	< 0,001	0.2319
CD27-IgG <sup>+</sup> B cell [%]	Specific IgE [kU/l]	(Intercept)	5.6055	1.1625	< 0,001	0.2319
CD27-IgG <sup>+</sup> B cell [%]	Age at asthma diagnosis [yrs]	Age at diagnosis >40yrs	-0.2620	1.2875	0.8391	0.2485
CD27-IgG <sup>+</sup> B cell [%]	Age at asthma diagnosis [yrs]	Age at diagnosis 18-40yrs	-1.2254	1.2184	0.3162	0.2485
CD27-IgG <sup>+</sup> B cell [%]	Age at asthma diagnosis [yrs]	Age at diagnosis 6-18yrs	0.5156	1.2669	0.6847	0.2485
CD27-IgG <sup>+</sup> B cell [%]	Age at asthma diagnosis [yrs]	Age	-0.0232	0.0287	0.4202	0.2485
CD27-IgG <sup>+</sup> B cell [%]	Age at asthma diagnosis [yrs]	Regular OCS	2.3467	0.8439	0.0062	0.2485
CD27-IgG <sup>+</sup> B cell [%]	Age at asthma diagnosis [yrs]	(Intercept)	6.0457	1.6778	< 0,001	0.2485
CD27-IgG <sup>+</sup> B cell [%]	Smoking status	Current or former smokers $\geq$ 10PY	0.7014	0.7084	0.3236	0.2498
CD27-IgG <sup>+</sup> B cell [%]	Smoking status	Age	-0.0354	0.0208	0.0906	0.2498
CD27-IgG <sup>+</sup> B cell [%]	Smoking status	Regular OCS	2.5202	0.7677	0.0012	0.2498
CD27-IgG <sup>+</sup> B cell [%]	Smoking status	(Intercept)	6.0045	1.1119	< 0,001	0.2498
CD27-IgG <sup>+</sup> B cell [%]	FEV <sub>1</sub> [z-score]	FEV <sub>1</sub> [z-score]	-0.2095	0.2160	0.3336	0.2498
CD27-IgG <sup>+</sup> B cell [%]	FEV <sub>1</sub> [z-score]	Age	-0.0290	0.0207	0.1626	0.2498
CD27-IgG <sup>+</sup> B cell [%]	FEV <sub>1</sub> [z-score]	Regular OCS	2.4530	0.8090	0.0028	0.2498
CD27-IgG <sup>+</sup> B cell [%]	FEV <sub>1</sub> [z-score]	(Intercept)	5.6451	1.1469	< 0,001	0.2498
CD27-IgG <sup>+</sup> B cell [%]	FEF <sub>25-75</sub> [z-score]	FEF <sub>25-75</sub> [z-score]	-0.2350	0.2602	0.3680	0.2567
CD27-IgG <sup>+</sup> B cell [%]	FEF <sub>25-75</sub> [z-score]	Age	-0.0325	0.0224	0.1489	0.2567
CD27-IgG <sup>+</sup> B cell [%]	FEF <sub>25-75</sub> [z-score]	Regular OCS	2.8945	0.8263	< 0,001	0.2567
CD27-IgG <sup>+</sup> B cell [%]	FEF <sub>25-75</sub> [z-score]	(Intercept)	5.5080	1.2720	< 0,001	0.2567
CD27-IgG <sup>+</sup> B cell [%]	Positive BDR [yes/no]	No	-0.6866	0.7828	0.3817	0.2598
CD27-IgG <sup>+</sup> B cell [%]	Positive BDR [yes/no]	Age	-0.0287	0.0209	0.1708	0.2598
CD27-IgG <sup>+</sup> B cell [%]	Positive BDR [yes/no]	Regular OCS	2.6121	0.7843	0.0011	0.2598
CD27-IgG <sup>+</sup> B cell [%]	Positive BDR [yes/no]	(Intercept)	6.4225	1.2866	< 0,001	0.2598
CD27-IgG <sup>+</sup> B cell [%]	GINA control status	Uncontrolled	-0.5666	0.8560	0.5091	0.2829

CD27-IgG <sup>+</sup> B cell [%]	GINA control status	Partly controlled	-1.0680	0.8801	0.2269	0.2829
CD27-IgG <sup>+</sup> B cell [%]	GINA control status	Age	-0.0273	0.0254	0.2826	0.2829
CD27-IgG <sup>+</sup> B cell [%]	GINA control status	Regular OCS	2.4967	0.8592	0.0042	0.2829
CD27-IgG <sup>+</sup> B cell [%]	GINA control status	(Intercept)	6.3863	1.4199	< 0,001	0.2829
CD27-IgG <sup>+</sup> B cell [%]	Blood eosinophils [1000/ $\mu$ l]	Blood eosinophils [1000/ $\mu$ l]	0.7161	1.0079	0.4784	0.2829
CD27-IgG <sup>+</sup> B cell [%]	Blood eosinophils [1000/ $\mu$ l]	Age	-0.0312	0.0208	0.1357	0.2829
CD27-IgG <sup>+</sup> B cell [%]	Blood eosinophils [1000/ $\mu$ l]	Regular OCS	2.4801	0.7748	0.0016	0.2829
CD27-IgG <sup>+</sup> B cell [%]	Blood eosinophils [1000/ $\mu$ l]	(Intercept)	5.7341	1.1567	< 0,001	0.2829
CD27-IgG <sup>+</sup> B cell [%]	BMI [Kg/m <sup>2</sup> ]	BMI [Kg/m <sup>2</sup> ]	0.0202	0.0532	0.7046	0.3057
CD27-IgG <sup>+</sup> B cell [%]	BMI [Kg/m <sup>2</sup> ]	Age	-0.0331	0.0207	0.1120	0.3057
CD27-IgG <sup>+</sup> B cell [%]	BMI [Kg/m <sup>2</sup> ]	Regular OCS	2.5218	0.7801	0.0015	0.3057
CD27-IgG <sup>+</sup> B cell [%]	BMI [Kg/m <sup>2</sup> ]	(Intercept)	5.4888	1.7619	0.0022	0.3057
CD27-IgG <sup>+</sup> B cell [%]	FEV <sub>1</sub> /FVC [z-score]	FEV <sub>1</sub> /FVC [z-score]	-0.0809	0.2345	0.7304	0.3057
CD27-IgG <sup>+</sup> B cell [%]	FEV <sub>1</sub> /FVC [z-score]	Age	-0.0300	0.0208	0.1507	0.3057
CD27-IgG <sup>+</sup> B cell [%]	FEV <sub>1</sub> /FVC [z-score]	Regular OCS	2.6219	0.7954	0.0012	0.3057
CD27-IgG <sup>+</sup> B cell [%]	FEV <sub>1</sub> /FVC [z-score]	(Intercept)	5.7999	1.1567	< 0,001	0.3057
CD27-IgG <sup>+</sup> B cell [%]	Asthma severity	Healthy	-0.5258	1.1158	0.6381	0.3057
CD27-IgG <sup>+</sup> B cell [%]	Asthma severity	Mild-moderate asthma	0.1329	0.9145	0.8846	0.3057
CD27-IgG <sup>+</sup> B cell [%]	Asthma severity	Age	-0.0325	0.0208	0.1203	0.3057
CD27-IgG <sup>+</sup> B cell [%]	Asthma severity	Regular OCS	2.5598	1.0580	0.0166	0.3057
CD27-IgG <sup>+</sup> B cell [%]	Asthma severity	(Intercept)	6.0217	1.4081	< 0,001	0.3057
CD27-IgG <sup>+</sup> B cell [%]	Blood neutrophils [1000/ $\mu$ l]	Blood neutrophils [1000/ $\mu$ l]	0.0384	0.1576	0.8076	0.3099
CD27-IgG <sup>+</sup> B cell [%]	Blood neutrophils [1000/ $\mu$ l]	Age	-0.0303	0.0210	0.1514	0.3099
CD27-IgG <sup>+</sup> B cell [%]	Blood neutrophils [1000/ $\mu$ l]	Regular OCS	2.4283	0.9067	0.0081	0.3099
CD27-IgG <sup>+</sup> B cell [%]	Blood neutrophils [1000/ $\mu$ l]	(Intercept)	5.7540	1.3558	< 0,001	0.3099
CD27-IgG <sup>+</sup> B cell [%]	AX [kPa/l/s]	AX [kPa/l/s]	0.0283	0.2174	0.8965	0.3222
CD27-IgG <sup>+</sup> B cell [%]	AX [kPa/l/s]	Age	-0.0314	0.0212	0.1403	0.3222
CD27-IgG <sup>+</sup> B cell [%]	AX [kPa/l/s]	Regular OCS	2.5204	0.8145	0.0023	0.3222
CD27-IgG <sup>+</sup> B cell [%]	AX [kPa/l/s]	(Intercept)	5.9497	1.1344	< 0,001	0.3222

CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	R5-R20 [kPa/l/s]	R5-R20 [kPa/l/s]	-0.3273	2.8095	0.9074	0.3222
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	R5-R20 [kPa/l/s]	Age	-0.0316	0.0212	0.1377	0.3222
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	R5-R20 [kPa/l/s]	Regular OCS	2.5814	0.7866	0.0013	0.3222
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	R5-R20 [kPa/l/s]	(Intercept)	6.0050	1.1237	< 0,001	0.3222
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	FEF <sub>25-75</sub> [z-score]	FEF <sub>25-75</sub> [z-score]	-0.6210	0.2627	0.0194	0.0867
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	FEF <sub>25-75</sub> [z-score]	Age	-0.0473	0.0226	0.0383	0.0867
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	FEF <sub>25-75</sub> [z-score]	Regular OCS	3.2612	0.8342	< 0,001	0.0867
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	FEF <sub>25-75</sub> [z-score]	(Intercept)	7.4579	1.2841	< 0,001	0.0867
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Severe exacerbations [n]	Severe exacerbations [n]	0.3090	0.1322	0.0207	0.0867
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Severe exacerbations [n]	Age	-0.0338	0.0215	0.1180	0.0867
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Severe exacerbations [n]	Regular OCS	2.5407	0.9277	0.0069	0.0867
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Severe exacerbations [n]	(Intercept)	7.1455	1.1536	< 0,001	0.0867
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	FEV <sub>1</sub> /FVC [z-score]	FEV <sub>1</sub> /FVC [z-score]	-0.5226	0.2334	0.0264	0.0943
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	FEV <sub>1</sub> /FVC [z-score]	Age	-0.0336	0.0207	0.1055	0.0943
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	FEV <sub>1</sub> /FVC [z-score]	Regular OCS	3.3803	0.7915	< 0,001	0.0943
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	FEV <sub>1</sub> /FVC [z-score]	(Intercept)	6.7053	1.1511	< 0,001	0.0943
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Blood neutrophils [1000/ $\mu$ l]	Blood neutrophils [1000/ $\mu$ l]	0.3203	0.1576	0.0437	0.1293
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Blood neutrophils [1000/ $\mu$ l]	Age	-0.0290	0.0210	0.1689	0.1293
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Blood neutrophils [1000/ $\mu$ l]	Regular OCS	2.6756	0.9066	0.0036	0.1293
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Blood neutrophils [1000/ $\mu$ l]	(Intercept)	5.9128	1.3556	< 0,001	0.1293
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	AX [kPa/l/s]	AX [kPa/l/s]	0.3869	0.2078	0.0644	0.1486
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	AX [kPa/l/s]	Age	-0.0396	0.0203	0.0527	0.1486
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	AX [kPa/l/s]	Regular OCS	3.1957	0.7788	< 0,001	0.1486
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	AX [kPa/l/s]	(Intercept)	7.3447	1.0846	< 0,001	0.1486
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	FEV <sub>1</sub> [z-score]	FEV <sub>1</sub> [z-score]	-0.3766	0.2168	0.0842	0.1688
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	FEV <sub>1</sub> [z-score]	Age	-0.0302	0.0208	0.1479	0.1688
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	FEV <sub>1</sub> [z-score]	Regular OCS	3.3626	0.8117	< 0,001	0.1688
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	FEV <sub>1</sub> [z-score]	(Intercept)	6.8999	1.1507	< 0,001	0.1688
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	GINA control status	Uncontrolled	0.7011	0.8553	0.4137	0.1911

CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	GINA control status	Partly controlled	-0.9630	0.8793	0.2753	0.1911
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	GINA control status	Age	-0.0334	0.0253	0.1888	0.1911
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	GINA control status	Regular OCS	3.3448	0.8585	< 0,001	0.1911
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	GINA control status	(Intercept)	7.5305	1.4187	< 0,001	0.1911
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Blood eosinophils [1000/ $\mu$ l]	Blood eosinophils [1000/ $\mu$ l]	1.4526	1.0151	0.1543	0.1911
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Blood eosinophils [1000/ $\mu$ l]	Age	-0.0347	0.0210	0.0999	0.1911
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Blood eosinophils [1000/ $\mu$ l]	Regular OCS	3.5159	0.7803	< 0,001	0.1911
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Blood eosinophils [1000/ $\mu$ l]	(Intercept)	7.0440	1.1649	< 0,001	0.1911
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Positive BDR [yes/no]	No	1.1038	0.7859	0.1620	0.1911
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Positive BDR [yes/no]	Age	-0.0335	0.0210	0.1119	0.1911
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Positive BDR [yes/no]	Regular OCS	3.9100	0.7874	< 0,001	0.1911
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Positive BDR [yes/no]	(Intercept)	6.5577	1.2917	< 0,001	0.1911
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Asthma severity	Healthy	-1.4580	1.1172	0.1936	0.1911
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Asthma severity	Mild-moderate asthma	-1.7651	0.9157	0.0556	0.1911
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Asthma severity	Age	-0.0384	0.0208	0.0671	0.1911
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Asthma severity	Regular OCS	2.2708	1.0594	0.0335	0.1911
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Asthma severity	(Intercept)	9.0993	1.4099	< 0,001	0.1911
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	R5-R20 [kPa/l/s]	R5-R20 [kPa/l/s]	3.4495	2.7707	0.2148	0.2236
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	R5-R20 [kPa/l/s]	Age	-0.0386	0.0209	0.0662	0.2236
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	R5-R20 [kPa/l/s]	Regular OCS	3.5191	0.7758	< 0,001	0.2236
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	R5-R20 [kPa/l/s]	(Intercept)	7.2540	1.1082	< 0,001	0.2236
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Smoking status	Current or former smokers $\geq 10$ PY	0.8653	0.7148	0.2277	0.2248
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Smoking status	Age	-0.0377	0.0210	0.0745	0.2248
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Smoking status	Regular OCS	3.5834	0.7746	< 0,001	0.2248
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Smoking status	(Intercept)	7.4657	1.1219	< 0,001	0.2248
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	BMI [Kg/m <sup>2</sup> ]	BMI [Kg/m <sup>2</sup> ]	-0.0280	0.0537	0.6032	0.3057
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	BMI [Kg/m <sup>2</sup> ]	Age	-0.0333	0.0209	0.1137	0.3057
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	BMI [Kg/m <sup>2</sup> ]	Regular OCS	3.7237	0.7879	< 0,001	0.3057
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	BMI [Kg/m <sup>2</sup> ]	(Intercept)	8.1865	1.7796	< 0,001	0.3057

CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Gender	Female	-0.1869	0.6055	0.7579	0.3057
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Gender	Age	-0.0345	0.0209	0.1011	0.3057
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Gender	Regular OCS	3.6453	0.7759	< 0,001	0.3057
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Gender	(Intercept)	7.5902	1.1930	< 0,001	0.3057
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Sputum inflammation	Mixed granulocytic inflammation	1.3453	1.0386	0.1973	0.3057
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Sputum inflammation	Neutrophilic inflammation	0.9445	0.9202	0.3064	0.3057
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Sputum inflammation	Eosinophilic inflammation	1.4293	1.1338	0.2095	0.3057
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Sputum inflammation	Age	-0.0380	0.0236	0.1088	0.3057
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Sputum inflammation	Regular OCS	2.9737	0.8573	< 0,001	0.3057
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Sputum inflammation	(Intercept)	6.7164	1.2501	< 0,001	0.3057
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Age at asthma diagnosis [yrs]	Age at diagnosis >40yrs	-1.6312	1.3059	0.2137	0.3057
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Age at asthma diagnosis [yrs]	Age at diagnosis 18-40yrs	-1.3866	1.2358	0.2637	0.3057
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Age at asthma diagnosis [yrs]	Age at diagnosis 6-18yrs	-1.0804	1.2849	0.4018	0.3057
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Age at asthma diagnosis [yrs]	Age	-0.0224	0.0291	0.4440	0.3057
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Age at asthma diagnosis [yrs]	Regular OCS	3.6771	0.8559	< 0,001	0.3057
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Age at asthma diagnosis [yrs]	(Intercept)	8.1087	1.7017	< 0,001	0.3057
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Specific IgE [kU/l]	Specific IgE [kU/l]	0.0276	0.0845	0.7443	0.3057
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Specific IgE [kU/l]	Age	-0.0331	0.0211	0.1183	0.3057
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Specific IgE [kU/l]	Regular OCS	3.6807	0.7811	< 0,001	0.3057
CD27 <sup>+</sup> IgG <sup>+</sup> B cell [%]	Specific IgE [kU/l]	(Intercept)	7.3551	1.1789	< 0,001	0.3057
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Severe exacerbations [n]	Severe exacerbations [n]	0.2231	0.0677	0.0012	0.0257
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Severe exacerbations [n]	Age	0.0003	0.0110	0.9751	0.0257
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Severe exacerbations [n]	Regular OCS	0.6130	0.4749	0.1986	0.0257
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Severe exacerbations [n]	(Intercept)	2.0971	0.5905	< 0,001	0.0257
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	AX [kPa/l/s]	AX [kPa/l/s]	0.3390	0.1107	0.0026	0.0257
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	AX [kPa/l/s]	Age	-0.0027	0.0108	0.8026	0.0257
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	AX [kPa/l/s]	Regular OCS	0.9965	0.4147	0.0174	0.0257
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	AX [kPa/l/s]	(Intercept)	2.1729	0.5775	< 0,001	0.0257
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	R5-R20 [kPa/l/s]	R5-R20 [kPa/l/s]	4.2238	1.4484	0.0040	0.0323

CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	R5-R20 [kPa/l/s]	Age	-0.0039	0.0109	0.7184	0.0323
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	R5-R20 [kPa/l/s]	Regular OCS	1.1522	0.4055	0.0050	0.0323
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	R5-R20 [kPa/l/s]	(Intercept)	2.0842	0.5793	< 0,001	0.0323
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Blood neutrophils [1000/ $\mu$ l]	Blood neutrophils [1000/ $\mu$ l]	0.2117	0.0814	0.0102	0.0725
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Blood neutrophils [1000/ $\mu$ l]	Age	0.0068	0.0108	0.5306	0.0725
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Blood neutrophils [1000/ $\mu$ l]	Regular OCS	0.7203	0.4685	0.1261	0.0725
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Blood neutrophils [1000/ $\mu$ l]	(Intercept)	1.1604	0.7005	0.0995	0.0725
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	FEV <sub>1</sub> [z-score]	FEV <sub>1</sub> [z-score]	-0.2703	0.1123	0.0171	0.0867
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	FEV <sub>1</sub> [z-score]	Age	0.0048	0.0108	0.6588	0.0867
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	FEV <sub>1</sub> [z-score]	Regular OCS	1.1466	0.4203	0.0070	0.0867
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	FEV <sub>1</sub> [z-score]	(Intercept)	1.8405	0.5959	0.0024	0.0867
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	FEV <sub>1</sub> /FVC [z-score]	FEV <sub>1</sub> /FVC [z-score]	-0.2794	0.1218	0.0230	0.0867
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	FEV <sub>1</sub> /FVC [z-score]	Age	0.0027	0.0108	0.8009	0.0867
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	FEV <sub>1</sub> /FVC [z-score]	Regular OCS	1.2319	0.4129	0.0033	0.0867
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	FEV <sub>1</sub> /FVC [z-score]	(Intercept)	1.8209	0.6005	0.0028	0.0867
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	FEF <sub>25-75</sub> [z-score]	FEF <sub>25-75</sub> [z-score]	-0.2555	0.1173	0.0311	0.0998
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	FEF <sub>25-75</sub> [z-score]	Age	0.0092	0.0101	0.3634	0.0998
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	FEF <sub>25-75</sub> [z-score]	Regular OCS	1.2576	0.3726	0.0010	0.0998
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	FEF <sub>25-75</sub> [z-score]	(Intercept)	1.4104	0.5735	0.0151	0.0998
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Positive BDR [yes/no]	No	-0.5837	0.4107	0.1571	0.1911
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Positive BDR [yes/no]	Age	0.0045	0.0110	0.6845	0.1911
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Positive BDR [yes/no]	Regular OCS	1.3685	0.4115	0.0011	0.1911
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Positive BDR [yes/no]	(Intercept)	2.6451	0.6751	< 0,001	0.1911
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Age at asthma diagnosis [yrs]	Age at diagnosis >40yrs	-0.5482	0.6735	0.4170	0.1911
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Age at asthma diagnosis [yrs]	Age at diagnosis 18-40yrs	-0.7741	0.6373	0.2266	0.1911
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Age at asthma diagnosis [yrs]	Age at diagnosis 6-18yrs	0.3699	0.6627	0.5776	0.1911
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Age at asthma diagnosis [yrs]	Age	0.0084	0.0150	0.5759	0.1911
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Age at asthma diagnosis [yrs]	Regular OCS	1.4151	0.4415	0.0017	0.1911
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Age at asthma diagnosis [yrs]	(Intercept)	2.2673	0.8777	0.0108	0.1911



CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Smoking status	Current or former smokers $\geq 10$ PY	0.4816	0.3728	0.1981	0.2192
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Smoking status	Age	0.0004	0.0110	0.9714	0.2192
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Smoking status	Regular OCS	1.3459	0.4040	0.0011	0.2192
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Smoking status	(Intercept)	2.2293	0.5851	< 0,001	0.2192
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	GINA control status	Uncontrolled	0.3552	0.4498	0.4310	0.2485
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	GINA control status	Partly controlled	-0.3233	0.4624	0.4855	0.2485
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	GINA control status	Age	-0.0015	0.0133	0.9083	0.2485
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	GINA control status	Regular OCS	1.2717	0.4514	0.0055	0.2485
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	GINA control status	(Intercept)	2.4281	0.7460	0.0014	0.2485
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Gender	Female	0.3214	0.3151	0.3092	0.2485
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Gender	Age	0.0031	0.0109	0.7782	0.2485
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Gender	Regular OCS	1.3925	0.4038	< 0,001	0.2485
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Gender	(Intercept)	2.0223	0.6208	0.0014	0.2485
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	BMI [Kg/m <sup>2</sup> ]	BMI [Kg/m <sup>2</sup> ]	0.0189	0.0280	0.5012	0.2897
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	BMI [Kg/m <sup>2</sup> ]	Age	0.0018	0.0109	0.8657	0.2897
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	BMI [Kg/m <sup>2</sup> ]	Regular OCS	1.3339	0.4109	0.0014	0.2897
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	BMI [Kg/m <sup>2</sup> ]	(Intercept)	1.7465	0.9281	0.0616	0.2897
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Blood eosinophils [1000/ $\mu$ l]	Blood eosinophils [1000/ $\mu$ l]	-0.2386	0.5314	0.6539	0.3057
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Blood eosinophils [1000/ $\mu$ l]	Age	0.0037	0.0110	0.7365	0.3057
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Blood eosinophils [1000/ $\mu$ l]	Regular OCS	1.3841	0.4084	< 0,001	0.3057
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Blood eosinophils [1000/ $\mu$ l]	(Intercept)	2.2524	0.6098	< 0,001	0.3057
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Sputum inflammation	Mixed granulocytic inflammation	0.4412	0.4858	0.3654	0.3057
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Sputum inflammation	Neutrophilic inflammation	0.0913	0.4304	0.8323	0.3057
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Sputum inflammation	Eosinophilic inflammation	0.2322	0.5303	0.6622	0.3057
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Sputum inflammation	Age	0.0092	0.0110	0.4048	0.3057
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Sputum inflammation	Regular OCS	1.3279	0.4010	0.0012	0.3057
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Sputum inflammation	(Intercept)	1.5617	0.5848	0.0084	0.3057
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Asthma severity	Healthy	-0.3043	0.5883	0.6057	0.3057
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Asthma severity	Mild-moderate asthma	-0.3575	0.4822	0.4595	0.3057

CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Asthma severity	Age	0.0015	0.0110	0.8898	0.3057
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Asthma severity	Regular OCS	1.1021	0.5579	0.0498	0.3057
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Asthma severity	(Intercept)	2.5632	0.7425	< 0,001	0.3057
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Specific IgE [kU/l]	Specific IgE [kU/l]	0.0113	0.0441	0.7974	0.3099
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Specific IgE [kU/l]	Age	0.0028	0.0110	0.7993	0.3099
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Specific IgE [kU/l]	Regular OCS	1.3956	0.4077	< 0,001	0.3099
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Specific IgE [kU/l]	(Intercept)	2.1843	0.6152	< 0,001	0.3099
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	AX [kPa/l/s]	AX [kPa/l/s]	0.8862	0.1666	< 0,001	< 0,001
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	AX [kPa/l/s]	Age	0.0339	0.0163	0.0389	< 0,001
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	AX [kPa/l/s]	Regular OCS	2.0013	0.6242	0.0016	< 0,001
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	AX [kPa/l/s]	(Intercept)	1.3579	0.8694	0.1202	< 0,001
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	R5-R20 [kPa/l/s]	R5-R20 [kPa/l/s]	9.1168	2.2403	< 0,001	0.0023
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	R5-R20 [kPa/l/s]	Age	0.0312	0.0169	0.0661	0.0023
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	R5-R20 [kPa/l/s]	Regular OCS	2.1557	0.6272	< 0,001	0.0023
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	R5-R20 [kPa/l/s]	(Intercept)	1.3074	0.8961	0.1464	0.0023
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	FEF <sub>25-75</sub> [z-score]	FEF <sub>25-75</sub> [z-score]	-0.6829	0.2245	0.0028	0.0257
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	FEF <sub>25-75</sub> [z-score]	Age	0.0456	0.0193	0.0197	0.0257
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	FEF <sub>25-75</sub> [z-score]	Regular OCS	2.1538	0.7129	0.0030	0.0257
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	FEF <sub>25-75</sub> [z-score]	(Intercept)	0.7640	1.0974	0.4874	0.0257
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	FEV <sub>1</sub> [z-score]	FEV <sub>1</sub> [z-score]	-0.5408	0.1770	0.0026	0.0257
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	FEV <sub>1</sub> [z-score]	Age	0.0487	0.0170	0.0046	0.0257
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	FEV <sub>1</sub> [z-score]	Regular OCS	2.1366	0.6629	0.0015	0.0257
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	FEV <sub>1</sub> [z-score]	(Intercept)	0.9018	0.9397	0.3386	0.0257
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	FEV <sub>1</sub> /FVC [z-score]	FEV <sub>1</sub> /FVC [z-score]	-0.5967	0.1915	0.0022	0.0257
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	FEV <sub>1</sub> /FVC [z-score]	Age	0.0444	0.0170	0.0096	0.0257
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	FEV <sub>1</sub> /FVC [z-score]	Regular OCS	2.2786	0.6494	< 0,001	0.0257
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	FEV <sub>1</sub> /FVC [z-score]	(Intercept)	0.8151	0.9445	0.3894	0.0257
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Severe exacerbations [n]	Severe exacerbations [n]	0.2055	0.1108	0.0654	0.1486
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Severe exacerbations [n]	Age	0.0461	0.0180	0.0116	0.1486

CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Severe exacerbations [n]	Regular OCS	1.8701	0.7772	0.0172	0.1486
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Severe exacerbations [n]	(Intercept)	1.4009	0.9664	0.1491	0.1486
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	GINA control status	Uncontrolled	1.2692	0.7055	0.0741	0.1911
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	GINA control status	Partly controlled	0.0509	0.7253	0.9442	0.1911
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	GINA control status	Age	0.0435	0.0209	0.0393	0.1911
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	GINA control status	Regular OCS	2.2324	0.7081	0.0020	0.1911
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	GINA control status	(Intercept)	1.3364	1.1702	0.2553	0.1911
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Blood neutrophils [1000/ $\mu$ l]	Blood neutrophils [1000/ $\mu$ l]	0.1846	0.1315	0.1621	0.1911
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Blood neutrophils [1000/ $\mu$ l]	Age	0.0485	0.0175	0.0062	0.1911
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Blood neutrophils [1000/ $\mu$ l]	Regular OCS	2.0513	0.7562	0.0074	0.1911
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Blood neutrophils [1000/ $\mu$ l]	(Intercept)	0.7317	1.1307	0.5184	0.1911
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Sputum inflammation	Mixed granulocytic inflammation	0.8608	0.7054	0.2244	0.1911
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Sputum inflammation	Neutrophilic inflammation	0.7197	0.6249	0.2514	0.1911
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Sputum inflammation	Eosinophilic inflammation	1.7744	0.7700	0.0226	0.1911
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Sputum inflammation	Age	0.0461	0.0160	0.0046	0.1911
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Sputum inflammation	Regular OCS	1.3807	0.5822	0.0191	0.1911
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Sputum inflammation	(Intercept)	0.7724	0.8491	0.3645	0.1911
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	BMI [Kg/m <sup>2</sup> ]	BMI [Kg/m <sup>2</sup> ]	0.0613	0.0443	0.1682	0.1927
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	BMI [Kg/m <sup>2</sup> ]	Age	0.0430	0.0173	0.0137	0.1927
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	BMI [Kg/m <sup>2</sup> ]	Regular OCS	2.4660	0.6504	< 0,001	0.1927
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	BMI [Kg/m <sup>2</sup> ]	(Intercept)	0.0842	1.4689	0.9544	0.1927
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Smoking status	Current or former smokers $\geq$ 10PY	0.6101	0.5935	0.3054	0.2485
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Smoking status	Age	0.0423	0.0174	0.0164	0.2485
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Smoking status	Regular OCS	2.5791	0.6432	< 0,001	0.2485
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Smoking status	(Intercept)	1.6564	0.9315	0.0772	0.2485
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Age at asthma diagnosis [yrs]	Age at diagnosis >40yrs	-0.9775	1.0730	0.3638	0.2498
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Age at asthma diagnosis [yrs]	Age at diagnosis 18-40yrs	-0.2012	1.0153	0.8432	0.2498
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Age at asthma diagnosis [yrs]	Age at diagnosis 6-18yrs	0.6061	1.0557	0.5668	0.2498
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Age at asthma diagnosis [yrs]	Age	0.0666	0.0239	0.0061	0.2498

CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Age at asthma diagnosis [yrs]	Regular OCS	2.7632	0.7033	< 0,001	0.2498
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Age at asthma diagnosis [yrs]	(Intercept)	0.7322	1.3982	0.6013	0.2498
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Positive BDR [yes/no]	No	-0.4830	0.6568	0.4632	0.2806
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Positive BDR [yes/no]	Age	0.0466	0.0175	0.0086	0.2806
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Positive BDR [yes/no]	Regular OCS	2.6827	0.6581	< 0,001	0.2806
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Positive BDR [yes/no]	(Intercept)	1.9943	1.0796	0.0665	0.2806
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Blood eosinophils [1000/ $\mu$ l]	Blood eosinophils [1000/ $\mu$ l]	-0.5909	0.8453	0.4855	0.2832
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Blood eosinophils [1000/ $\mu$ l]	Age	0.0460	0.0175	0.0092	0.2832
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Blood eosinophils [1000/ $\mu$ l]	Regular OCS	2.6647	0.6498	< 0,001	0.2832
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Blood eosinophils [1000/ $\mu$ l]	(Intercept)	1.7939	0.9701	0.0662	0.2832
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Gender	Female	0.1434	0.5022	0.7756	0.3057
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Gender	Age	0.0451	0.0173	0.0101	0.3057
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Gender	Regular OCS	2.6305	0.6435	< 0,001	0.3057
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Gender	(Intercept)	1.5654	0.9895	0.1155	0.3057
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Asthma severity	Healthy	-0.6272	0.9349	0.5032	0.3057
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Asthma severity	Mild-moderate asthma	-0.5799	0.7663	0.4502	0.3057
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Asthma severity	Age	0.0433	0.0174	0.0139	0.3057
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Asthma severity	Regular OCS	2.1454	0.8865	0.0166	0.3057
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Asthma severity	(Intercept)	2.2263	1.1798	0.0609	0.3057
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Specific IgE [kU/l]	Specific IgE [kU/l]	0.0285	0.0701	0.6843	0.3057
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Specific IgE [kU/l]	Age	0.0458	0.0175	0.0095	0.3057
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Specific IgE [kU/l]	Regular OCS	2.6575	0.6477	< 0,001	0.3057
CD27 <sup>+</sup> IgA <sup>+</sup> B cell [%]	Specific IgE [kU/l]	(Intercept)	1.5410	0.9776	0.1168	0.3057

**TABLE S4. Linear Model.** Linear models describing B cell subpopulations as a function of clinical characteristics with oral corticosteroids and age as confounders. Coefficient estimates, standard error, and p-value are given for each term in the model. P-values for the clinical variables were corrected for multiple tests (q-value). BMI, Body Mass Index; AX, reactance area [kPa/l/s]; R5–R20, resistance at 5 Hz–resistance at 20 Hz; FEF<sub>25-75</sub>, forced expiratory flow

at 25% - 75% of FVC; FEV1, forced expiratory volume in 1 second; FVC, forced vital capacity; BDR, bronchodilator response; PY, pack-years.