

Supplementary Table S3. Cox's regression analysis of variables from the first attack (A) to the second attack (B)

	B	SE	Wald	df	Sig.	Exp (B)	95.0% CI for Exp (B)	
							Lower	Upper
Sex	-0.083	0.187	0.194	1	0.659	0.921	0.638	1.329
Age	0.002	0.008	0.043	1	0.836	1.002	0.986	1.017
Duration of asthma	-0.139	0.023	37.49	1	9.19E-10	0.87	0.832	0.91
Amount of smoking	0.054	0.059	0.833	1	0.361	1.055	0.94	1.185
FEV1%	-0.022	0.005	16.823	1	4.10E-05	0.978	0.967	0.988
BMI	0.016	0.021	0.563	1	0.453	1.016	0.975	1.059
PC20	0.006	0.008	0.467	1	0.494	1.006	0.989	1.023
Atopy	0.149	0.154	0.947	1	0.33	1.161	0.859	1.569
Blood eosinophil (% , log)	0.009	0.012	0.52	1	0.471	1.009	0.985	1.032
ΔFEV1	-0.009	0.007	1.486	1	0.223	0.991	0.977	1.006
Age at asthma onset	-0.002	0.008	0.055	1	0.815	0.998	0.983	1.014
Total IgE (KU/L, log)	1.43E-04	1.61E-04	0.795	1	0.373	1	1	1
Cluster1			2.436	3	0.487			
Cluster2	-0.26	0.36	0.52	1	0.471	0.771	0.38	1.563
Cluster3	-0.089	0.303	0.086	1	0.769	0.915	0.506	1.656
Cluster4	0.142	0.26	0.299	1	0.584	1.153	0.692	1.921

(B)

	B	SE	Wald	df	Sig.	Exp (B)	95.0% CI for Exp (B)	
							Lower	Upper
Sex	-0.168	0.251	0.45	1	0.502	0.845	0.517	1.381
Age	0.001	0.011	0.008	1	0.93	1.001	0.98	1.022
Duration	-0.197	0.034	33.879	1	5.87E-09	0.821	0.768	0.877
Amount of smoking	0.086	0.116	0.547	1	0.46	1.089	0.868	1.367
FEV1%	-0.015	0.007	3.908	1	0.048	0.985	0.971	1
BMI	-0.005	0.031	0.025	1	0.874	0.995	0.936	1.058
PC20	0	0.011	0	1	0.998	1	0.978	1.022
Atopy	-0.075	0.197	0.146	1	0.703	0.927	0.63	1.366
Blood eosinophil (% , log)	-0.012	0.015	0.669	1	0.414	0.988	0.959	1.017
ΔFEV1	0.01	0.01	1.006	1	0.316	1.01	0.991	1.029
Age at asthma onset	0.005	0.011	0.211	1	0.646	1.005	0.984	1.026
Total IgE (KU/L, log)	-1.12E-05	1.00E-04	0.004	1	0.949	1	1	1
Cluster1			1.245	3	0.742			
Cluster2	-0.148	0.468	0.1	1	0.752	0.862	0.345	2.156
Cluster3	0.075	0.403	0.034	1	0.853	1.078	0.489	2.375
Cluster4	0.141	0.357	0.156	1	0.693	1.151	0.572	2.317