

1 Additional file 8. Table S5. Demographic and clinical characteristics of study subjects (bacteriome) (n=82)

Variables	CON (n=26)	Untreated asthma (n=23)	ICS asthma (n=33)
Age, years, mean $\pm$ SD	40.9 $\pm$ 9.5	44.7 $\pm$ 14.9	45.5 $\pm$ 15.7
Male, no. (%)	14(53.8)	10(43.4)	11(33.3)
BMI, kg/m ² , mean $\pm$ SD	22.9 $\pm$ 3.1	23.8 $\pm$ 4.1	22.6 $\pm$ 2.9
Duration of asthma, years, mean $\pm$ SD)	-	2.2 $\pm$ 6.3	10.7 $\pm$ 16.1###
Rhinosinusitis, no. (%)	0(0)	15(65.2) ***	20(60.0)
ICS dose ¹ , μ g.day ⁻¹ , mean $\pm$ SD	-	-	555.6 $\pm$ 298.6
FEV1 (% predicted), mean $\pm$ SD	94.7 $\pm$ 8.8	75.7 $\pm$ 23.3**	83.6 $\pm$ 17.6###
FEV1/FVC (%), mean $\pm$ SD	82.2 $\pm$ 6.5	71.5 $\pm$ 11.6**	75.3 $\pm$ 12.7
ACQ7 score, mean $\pm$ SD	-	1.1 $\pm$ 0.7	0.7 $\pm$ 0.5#
Sputum eosinophils (%), mean $\pm$ SD	1.0 $\pm$ 1.1	3.0 $\pm$ 2.5*	1.9 $\pm$ 2.5
Sputum neutrophils (%), mean $\pm$ SD	28.6 $\pm$ 24.9	21.6 $\pm$ 18.9	18.3 $\pm$ 16.5
Total IgE, IU/mL, mean $\pm$ SD	43.3 $\pm$ 15.9	158.1 $\pm$ 114.4***	142.0 $\pm$ 77.2

2 ¹ ICS dose was expressed as beclomethasone propionate equivalent dose. Naïve asthma group vs CON group: *p<0.05, **p<0.01, ***p<0.001.

3 ICS asthma group vs naïve asthma group: # p<0.05, ### p<0.001.