

Supplementary Table 1. Features of study participants

Characteristics	Control	Asthma	<i>P</i> *	Asthma		<i>P</i> **
				Low F _E NO	High F _E NO	
				(< 35 ppb)	(≥ 35 ppb)	
N	156	525		267	166	
Mean age, yr.	30(1)	39(1)	<0.0001	39(1)	39(1)	0.8
Gender, M/F	59/97	188/337	0.6	79/188	69/97	0.01
Ethnicity, C/AA/other	156/0/0	527/0/0		268/0/0	168/0/0	
BMI, kg/m ²	25.3(0.4)	29.1(0.3)	<0.0001	30.1(0.5)	27.7(0.4)	0.0004
Asthma severity, % severe asthmatics	0	40	<0.0001	36	41	0.3
Lung function						
FEV ₁ % predicted	100(1)	73(1)	<0.0001	73(1)	74(2)	0.8
FEV ₁ /FVC	0.82(0.01)	0.69(0.01)	<0.0001	0.70(0.01)	0.68(0.01)	0.14
PC ₂₀ , mg/ml	NR [#]	3.8(0.2)	<0.0001	4.6(0.4)	2.7(0.4)	0.002
Blood work						
Eosinophils, % ^{&}	2.1(0.1)	3.8(0.1)	<0.0001	3.2(0.1)	4.8(0.2)	<0.0001
IgE, IU/ml	49(7)	202(14)	<0.0001	155(13)	254(23)	0.004
Arginase activity, μmol/ml/h	0.21(0.03)	0.46(0.04)	<0.0001	0.40(0.05)	0.55(0.06)	0.01
F _E NO, ppb	16(1)	40(2)	<0.0001	18(1)	76(3)	<0.0001

Results are presented as Mean (SEM);

Definition of abbreviations: M, male; F, female; C, Caucasian; AA, African American; BMI, body mass index; FEV₁, Forced expiratory volume in 1 second; FVC, Forced vital

capacity; PC₂₀, provocative concentration of methacholine causing a 20% fall in FEV₁;
F_ENO, fractional exhaled nitric oxide;

P* value, asthma vs. controls; *P* value, asthma with high F_ENO vs. asthma with low F_ENO; #non-reactive; &Eosinophils as a percentage of total WBCs. Student's *t* test was used.