

## SUPPLEMENTARY MATERIAL

**Table 1**

<b>V1-V2</b>					
	Change		No Change		
	From T2 high to T2 low	From T2 low-to T2 high	T2	No T2	
N	49	9	137	16	p-value
<b>Inflammatory biomarkers</b>					
Bloodeosinophilcounts V1	359.3 (193.9)	105.5 (14.2)	414.2 (248.5)	94.7 (29.8)	<0.001
Bloodeosinophilcounts V2	65.7 (46.8)	235.5 (191.4)	386.1 (277.7)	72.4 (56.7)	<0.001
FeNO V1	17.9 (20.5)	10.6 (5.5)	47.5 (46.8)	7.6 (4.4)	<0.001
FeNO V2	7.6 (4.2)	18.6 (10.6)	47.6 (34.8)	7.5 (3.4)	<0.001
<b>Lungfunction</b>					
FEV1 preBD (L)	2.3 (0.9)	2.3 (0.8)	2.3 (0.8)	2.3 (1.0)	NS
FEV1 preBD (%)	81.9 (21.9)	74.4 (31.1)	83.8 (23.4)	80.4 (25.8)	NS
FEV1 postBD (L)	2.4 (0.9)	2.7 (0.5)	2.8 (0.8)	2.8 (0.9)	NS
FEV1 postBD (%)	84.9 (16.4)	80.2 (44.1)	97.8 (22.5)	104.2 (11.9)	0.03
IND preBD	71.0 (9.9)	66.8 (7.1)	70.2 (9.1)	67.5 (11.8)	NS
IND preBD (%)	83.1 (15.0) <sup>1</sup>	74.8 (11.4) <sup>2</sup>	76.1 (16.2) <sup>1,3</sup>	90.4 (16.5) <sup>2,3</sup>	0.007
IND postBD	70.3 (7.9)	70.6 (6.3)	73.1 (9.9)	74.9 (7.1)	NS
IND postBD (%)	76.0 (12.4)	62.2 (10.2) <sup>4,5</sup>	77.9 (13.4) <sup>4,6</sup>	91.1 (12.5) <sup>5,6</sup>	0.01
<b>ACT</b>					
ACT baseline	20.1 (4.7)	16.8 (6.1) <sup>7</sup>	21.3 (4.1) <sup>7,8</sup>	18.0 (5.4) <sup>8</sup>	0.01
ACT <17	29.1% (14/48)	44.4% (4/9)	18% (24/133)	40% (6/15)	NS
ACT final	19.2 (5.6)	17.3 (4.9)	21.1 (4.3)	20.6 (4.4)	NS
<b>V1-V3</b>					
	Change		No Change		
	From T2 high to T2 low	From T2 low-to T2 high	T2	No T2	
N	27	2	27	7	p-value
<b>Inflammatory biomarkers</b>					
Bloodeosinophilcounts V1	402.2 (230.7)	100.0 (0.0)	368.8 (157.3)	100.0 (0.0)	<0.001

Bloodeosinophilcounts V3	87.3 (31.3)	400.0 (200.0)	346.2 (244.1)	100.0 (0.0)	<0.001
FeNO V1	32.1 (30.7)	12.6 (4.3)	40.2 (40.6)	7.6 (4.2)	0.002
<b>Lungfunction</b>					
FEV1 preBD (L)	2.5 (0.9)	2.7 (0.8)	2.7 (0.8)	2.2 (0.9)	NS
FEV1 preBD (%)	83.1 (21.8)	72.3 (0.7)	91.2 (17.9)	73.4 (30.5)	NS
FEV1 postBD (L)	2.4 (0.8) <sup>1,2</sup>	3.7 (0.0) <sup>1,3</sup>	2.9 (0.9) <sup>2</sup>	2.4 (1.1),3	0.009
FEV1 postBD (%)	83.7 (28.7)	78.0 (0.0)	94.5 (25.6)	86.6 (42.9)	NS
IND preBD	71.5 (9.4)	70.2 (0.0)	69.2 (7.3)	68.4 (9.6)	NS
IND preBD (%)	78.2 (13.2)	81.7 (10.7)	77.3 (15.5)	84.3 (11.6)	NS
IND postBD	73.9 (11.1)	-	70.4 (6.1)	79.2(6.2)	NS
IND postBD (%)	75.2 (13.8)	72.0 (0.0)	81.2 (11.2)	75.4 (29.7)	NS
<b>ACT</b>					
ACT baseline	19.3 (5.1) <sup>8</sup>	23.5 (0.5) <sup>9</sup>	21.9 (3.2) <sup>10</sup>	12.7 (5.1) <sup>8,9,10</sup>	<0.001
ACT baseline<17	29.7% (8/27)	0% (0/2)	15.4% (4/26)	85.7% (6/7)	<0.001
ACT V3	21.3 (4.4)	23.0 (2.0)	21.0 (4.9)	14.6 (5.7)	NS