

**Supplementary Table 1**

Corticosteroid-Free Remission at week 17+/- 0.5: Univariable analysis of baseline parameters in patients with UC.

	UC patients with CLINICAL STEROID- FREE REMISSION	UC patients with NO CLINICAL STEROID- FREE REMISSION	p-value	
Disease duration from initial diagnosis [years]	9.2 ± 1.6	8.0 ± 1.0	0.59	M
Age at initial diagnosis [years]	35.5 ± 2.5	33.0 ± 1.8	0.38	M
CRP [mg/L]	10.1 ± 2.8	7.9 ± 1.3	0.81	M
Hb [g/dL]	13.4 ± 0.4	12.4 ± 0.3	0.03	M
Leukocytes x10 <sup>3</sup> /μL	9.5 ± 0.7	9.3 ± 0.5	0.54	M
Endoscopic disease activity	2.3 ± 0.2	2.2 ± 0.1	0.52	M
Clinical disease activity	3.5 ± 0.3	4.2 ± 0.2	0.05	M
Disease extent (E1/E2/E3)/n (%)	(2/18/11)/31 (6/58/36)	(5/33/34)/72 (7/46/47)	0.51	C
First flare treated with corticosteroids (%)	28/30 (93)	57/71 (80)	0.14	F
Previous treatment with anti TNF-α antibody (%)	22/31 (71)	56/73 (77)	0.62	F
Active smoking (%)	2/30 (7)	6/74 (8)	>0.99	F
Concomitant corticosteroid therapy (%)	14/30 (47)	38/69 (55)	0.51	F
Prior bowel surgery (%)	0/31 (0)	1/74 (1)	>0.99	F
Extraintestinal manifestations (%)	4/31 (13)	10/75 (13)	>0.99	F

Data are presented as mean ± standard error of mean or frequencies (%).

<sup>M</sup> Mann-Whitney-U test

<sup>C</sup> Chi-square test

<sup>F</sup> Fisher exact test

<sup>U</sup> Unpaired t test

## Supplementary Table 2

Clinical remission after one year of treatment: Univariable analysis of baseline parameters in patients with UC.

	UC patients with CLINICAL REMISSION after one year on treatment	UC patients with NO CLINICAL REMISSION after one year on treatment	P value	
Disease duration from initial diagnosis [years]	10.3±1.8	9±2.05	0.85	M
Age at initial diagnosis [years]	32.7±2.29	36.9±3.74	0.35	M
CRP [mg/L]	2.22±9.09	1.28±6.41	0.68	M
Hb [g/dL]	13.3±0.38	12.8±0.45	0.23	M
Leukocytes x10 <sup>3</sup> /μL	9.54±0.70	9.04±0.83	0.66	M
Endoscopic disease activity	2.32±0.15	2.23±0.23	0.74	M
Clinical disease activity	0.26±3.5	0.47±4.6	0.049	M
Disease extent (E1/E2/E3)/n (%)	(4/17/18)/39 (10/44/46)	(1/10/5)/16 (6/63/31)	0.44	C
First flare treated with corticosteroids (%)	34/39 (87)	11/15 (73)	0.24	F
Previous treatment with anti TNF-α antibody (%)	27/39 (69)	14/16 (88)	0.19	F
Active smoking (%)	2/40 (5)	1/16 (6)	>0.99	F
Concomitant corticosteroid therapy (%)	21/39 (54)	10/16 (63)	0.77	F
Extraintestinal Manifestations (%)	2/40 (5)	3/16 (19)	0.14	F

Data are presented as mean ± standard error of mean or frequencies (%).

<sup>M</sup> Mann-Whitney-U test

<sup>C</sup> Chi-square test

<sup>F</sup> Fisher exact test

### Supplementary Table 3

Clinical corticosteroid-free remission after one year of treatment: Univariable analysis of baseline parameters in patients with UC.

	UC patients with CLINICAL STEROID- FREE REMISSION after one year on treatment	UC patients with NO CLINICAL STEROID- FREE REMISSION after one year on treatment	P value	
Disease duration from initial diagnosis [years]	10.6±1.86	8.75±1.83	0.87	M
Age at initial diagnosis [years]	31.6±2.26	38.7±3.58	0.11	M
CRP [mg/L]	9.03±2.33	6.85±1.34	0.52	M
Hb [g/dL]	13.2±0.4	13±0.43	0.48	M
Leukocytes x10 <sup>3</sup> /μL	9.55±0.75	9.06±0.74	0.77	M
Endoscopic disease activity	2.39±0.15	2.13±0.22	0.32	M
Clinical disease activity	3.5±0.26	4.47±0.44	0.08	M
Disease extent (E1/E2/E3)/n (%)	(4/16/17)/37 (11/43/46)	(1/11/6)/18 (6/61/33)	0.45	C
First flare treated with corticosteroids (%)	32/37 (86)	13/17 (76)	0.44	F
Previous treatment with anti TNF-α antibody (%)	26/37 (70)	15/18 (83)	0.35	F
Active smoking (%)	2/38 (5)	1/18 (6)	>0.99	F
Concomitant corticosteroid therapy (%)	19/37 (51)	12/18 (67)	0.39	F
Extraintestinal Manifestations (%)	2/38 (5)	3/18 (17)	0.31	F

Data are presented as mean ± standard error of mean or frequencies (%).

<sup>M</sup> Mann-Whitney-U test

<sup>C</sup> Chi-square test

<sup>F</sup> Fisher exact test

### Supplementary Table 4

Endoscopic remission: Univariable analysis of baseline parameters in patients with UC.

	UC patients with ENDOSCOPIC REMISSION	UC patients with NO ENDOSCOPIC REMISSION	P value	
Disease duration from initial diagnosis [years]	10.1±2.01	7.83±1.3	0.54	M
Age at initial diagnosis [years]	33.4±2.83	32.4±2.49	0.73	M
CRP [mg/L]	9.34±2.51	8.45±1.65	0.84	M
Hb [g/dL]	12.7±0.45	12.2±0.39	0.39	U
Leukocytes x10 <sup>3</sup> /μL	10.1±0.73	9.27±0.63	0.42	M
Endoscopic disease activity	2.41±0.15	2.29±0.11	0.28	M
Clinical disease activity	3.79±0.31	4.88±0.32	0.02	M
Disease extent (E1/E2/E3)/n (%)	(3/17/9)/29 (10/52/59)	(2/15/17)/34 (6/44/50)	0.30	C
First flare treated with corticosteroids (%)	22/27 (81)	28/33 (85)	0.74	F
Previous treatment with anti TNF-α antibody (%)	24/29 (83)	28/34 (82)	>0.99	F
Active smoking (%)	2/29 (7)	3/35 (9)	>0.99	F
Concomitant corticosteroid therapy (%)	14/27 (52)	30/42 (71)	0.13	F
Extraintestinal Manifestations (%)	6/29 (21)	3/35 (9)	0.28	F

<sup>M</sup> Mann-Withney-U test

<sup>U</sup> Unpaired t test

<sup>C</sup> Chi-square test

<sup>F</sup> Fisher exact test

### Supplementary Table 5

Multivariable logistic regression analysis of secondary endpoints in patients with UC.

PARAMETER	OR	95% CI (profile likelihood)	P value	P value summary
<b>CINICAL CORTICOSTEROID-FREE REMISSION at week 17+/-0.5</b>				
Hb [g/dL]	1.32	1.02 to 1.76	0.04	*
Clinical disease activity	0.73	0.52 to 0.98	0.04	*
First flare treated with corticosteroids	4.13	0.89 to 30.9	0.10	ns
<b>CLINICAL REMISSION after one year</b>				
Endoscopic disease activity	2.07	0.69 to 6.57	0.19	ns
Clinical disease activity	0.63	0.37 to 0.99	0.06	ns
Previous treatment with anti TNF- $\alpha$ antibody	0.27	0.03 to 1.81	0.21	ns
Extraintestinal Manifestations	0.28	0.02 to 2.97	0.27	ns
<b>CINICAL CORTICOSTEROID-FREE REMISSION after one year</b>				
Age at initial diagnosis [years]	0.97	0.92 to 1.01	0.09	ns
Clinical disease activity	0.69	0.46 to 1	0.06	ns
<b>ENDOSCOPIC REMISSION</b>				
Clinical disease activity	0.71	0.51 to 0.98	0.04	*
Concomitant corticosteroid therapy	0.49	0.15 to 1.47	0.21	ns

OR, Odds ratio

**Supplementary Table 6**

Corticosteroid-free remission at week 17+/-0.5: Univariable analysis of baseline parameters in patients with CD.

	CD patients with CLINICAL STEROID- FREE REMISSION	CD patients with NO CLINICAL STEROID- FREE REMISSION	p- value	
Disease duration from initial diagnosis [years]	13.1 ± 2.1	12.8 ± 1.3	0.90	M
Age at initial diagnosis [years]	28.4 ± 2.6	24.0 ± 1.6	0.08	M
CRP [mg/L]	6.1 ± 1.6	13.3 ± 2.8	0.12	M
Hb [g/dL]	13.6 ± 0.4	12.6 ± 0.3	0.06	U
Leukocytes x10 <sup>3</sup> /μL	8.5 ± 0.7	10.5 ± 0.6	0.08	M
Endoscopic disease activity	14.9 ± 1.7	12.9 ± 1.4	0.46	U
Clinical disease activity	6.3 ± 0.9	8.9 ± 0.7	0.04	M
Disease extent (L1/L2/L3)/n (%)	(2/3/17)/22 (9/14/77)	(12/7/32)/51 (24/14/63)	0.34	C
First flare treated with corticosteroids (%)	15/20 (75)	46/51 (90)	0.13	F
Previous treatment with anti TNF-α antibody (%)	17/22 (77)	49/51 (96)	0.02	F
Active smoking (%)	4/22 (18)	16/51 (31)	0.39	F
Concomitant corticosteroid therapy (%)	8/22 (36)	32/48 (67)	0.02	F
Prior bowel surgery (%)	6/22 (27)	16/51 (31)	0.79	F
Phenotype (B1/B2/B3)/n (%)	(5/11/6)/22 (23/50/27)	(13/18/20)/51 (26/35/39)	0.47	C
Extraintestinal manifestations (%)	7/22 (32)	18/53 (34)	0.795	F

Data are presented as mean ± standard error of mean or frequencies (%).

<sup>M</sup> Mann-Withney-U test

<sup>U</sup> Unpaired t test

<sup>C</sup> Chi-square test

<sup>F</sup> Fisher exact test

### Supplementary Table 7

Clinical remission after one year of treatment: Univariable analysis of baseline parameters in patients with CD.

	CD patients with CLINICAL REMISSION after one year on treatment	CD patients with NO CLINICAL REMISSION after one year on treatment	P value	
Disease duration from initial diagnosis [years]	16.6±2.44	11±2.15	0.19	M
Age at initial diagnosis [years]	25.6±2.94	30.3±3.13	0.19	M
CRP [mg/L]	4.95±1.11	9.16±2.77	0.12	U
Hb [g/dL]	14.2±0.53	12.8±0.56	0.10	U
Leukocytes x10 <sup>3</sup> /μL	11.8±1.23	11±1.51	0.68	U
Endoscopic disease activity	13±1.93	14.4±4.08	0.75	U
Clinical disease activity	8.33±1.47	10±2.1	0.63	M
Disease extent (L1/L2/L3)/n (%)	(1/3/12)/16 (6/19/75)	(4/1/4)/9 (44/11/44)	0.07	C
First flare treated with corticosteroids (%)	12/15 (80)	7/8 (88)	>0.99	F
Previous treatment with anti TNF-α antibody (%)	14/16 (88)	9/9 (100)	0.52	F
Active smoking (%)	5/16 (31)	1/8 (13)	0.62	F
Concomitant corticosteroid therapy (%)	7/15 (47)	4/9 (44)	>0.99	F
Phenotype (B1/B2/B3)/n (%)	(5/8/3)/16 (31/50/19)	(3/2/4)/9 (33/22/44)	0.29	C
Extraintestinal Manifestations (%)	7/16 (44)	2/9 (22)	0.40	F

<sup>M</sup> Mann-Whitney-U test

<sup>U</sup> Unpaired t test

<sup>C</sup> Chi-square test

<sup>F</sup> Fisher exact test

### Supplementary Table 8

Clinical corticosteroid-free remission after one year of treatment: Univariable analysis of baseline parameters in patients with CD.

	CD patients with CLINICAL STEROID- FREE REMISSION after one year on treatment	CD patients with NO CLINICAL STEROID- FREE REMISSION after one year on treatment	P value	
Disease duration from initial diagnosis [years]	17.8±2.63	10.41±1.78	0.03	M
Age at initial diagnosis [years]	23.5±2.64	32.1±3.28	0.04	M
CRP [mg/L]	4.26±1.11	9.08±2.24	0.06	U
Hb [g/dL]	14±0.65	13.2±0.52	0.39	U
Leukocytes x10 <sup>3</sup> /μL	11.7±1.55	11.2±1.20	0.84	M
Endoscopic disease activity	11.8±1.86	15.2±3.42	0.44	U
Clinical disease activity	7.08±1.33	11.2±1.93	0.17	M
Disease extent (L1/L2/L3)/n (%)	(1/3/10)/14 (7/21/71)	(4/1/6)/11 (36/9/55)	0.18	C
First flare treated with corticosteroids (%)	10/13 (77)	9/10 (90)	0.60	F
Previous treatment with anti TNF-α antibody (%)	12/14 (86)	11/11 (100)	0.49	F
Active smoking (%)	3/14 (21)	4/11 (36)	0.66	F
Concomitant corticosteroid therapy (%)	6/13 (46)	5/11 (46)	>0.99	F
Phenotype (B1/B2/B3)/n (%)	(5/7/2)/14 (36/50/14)	(3/3/5)/11 (27/27/46)	0.22	C
Extraintestinal Manifestations (%)	7/14 (50)	2/11 (18)	0.21	F

<sup>M</sup> Mann-Whitney-U test

<sup>U</sup> Unpaired t test

<sup>C</sup> Chi-square test

<sup>F</sup> Fisher exact test



**Supplementary Table 9**

Multivariable logistic regression analysis of secondary endpoints in patients with CD.

PARAMETER	OR	95% CI (profile likelihood)	P value	P value summary
<b>CINICAL CORTICOSTEROID-FREE REMISSION at week 17+/-0.5</b>				
Age at initial diagnosis [years]	1.1	1.02 to 1.2	0.02	*
CRP [mg/dL]	1.01	0.9 to 1.08	0.82	ns
Hb [g/dl]	1.50	0.81 to 3.12	0.22	ns
Leukocytes x10 <sup>3</sup> /ul	1.02	0.75 to 1.35	0.90	ns
HBI	0.9	0.74 to 1.06	0.22	ns
First flare treated with corticosteroids	0.66	0.08 to 6.23	0.70	ns
Previous treatment with anti TNF- $\alpha$ antibody	0.03	0.001 to 0.62	0.04	*
Concomitant corticosteroid therapy	0.52	0.08 to 3.41	0.56	ns
<b>CLINICAL REMISSION after one year</b>				
Disease Duration from initial diagnosis	1.02	1.00 to 1.06	0.09	ns
Age at initial diagnosis [years]	0.87	0.66 to 1.03	0.17	ns
CRP [mg/dL]	1.57	0.93 to 4.09	0.19	ns
Hb [g/dl]	11.9	1.70 to 17	0.1	ns
Disease Extent	2.05	0.21 to 26.4	0.52	ns
<b>CINICAL CORTICOSTEROID-FREE REMISSION after one year</b>				
Disease Duration from initial diagnosis	1.01	0.1 to 1.04	0.16	ns
Age at initial diagnosis [years]	0.88	0.7 to 1.03	0.17	ns
CRP [mg/dL]	0.95	0.64 to 1.35	0.79	ns
HBI	0.94	0.75 to 1.16	0.57	ns
Disease Extent	1.72	0.42 to 9.72	0.47	ns

OR, Odds ratio