

SupplementaryTable I. Demographic and clinical features of the patients involved in the study

Sample code	Sex	Age	Endo +/-	Mayo Score	Montreal Score	Hist+/-	GEBOES Grading	GEBOES Score	Treatment	Disease duration (years)
UC_001_End+	F	32	+	2	E2	+	5	5.3	anti-TNF	7
UC_003_End+	M	42	+	1	E3	+	1	1.2	5-ASA	9
UC_004_End+	M	32	+	2	E2	+	5	5.2	AZA	4
UC_005_End+	M	56	+	3	E3	+	5	2.3	No treatment	0
UC_006_End+	M	48	+	2	E2	+	4	4.3	5-ASA	1
UC_007_End+	M	22	+	2	E2	+	3	3.1	AZA	2
UC_010_End+	F	29	+	1	E2	+	5	5.1	5-ASA	2
UC_011_End+	M	66	+	2	E2	+	5	5.4	5-ASA	6
UC_012_End+	M	51	+	2	E3	+	3	3.2	5-ASA	2
UC_013_End+	F	60	+	2	E2	+	3	3.3	5-ASA	5
UC_014_End+	M	67	+	2	E2	+	5	5.3	No treatment	0
UC_015_End+	M	38	+	3	E1	+	5	5.3	No treatment	0
UC_016_End+	M	34	+	3	E3	+	5	5.3	anti-TNF	1
UC_017_End+	M	60	+	2	E2	+	5	5.1	5-ASA	10
UC_018_End+	M	49	+	2	E2	+	5	5.3	No treatment	0
UC_019_End+	M	29	+	2	E3	+	3	3.2	5-ASA	2
UC_020_End+	F	50	+	1	E2	+	5	5.1	5-ASA	5
UC_021_End+	M	50	+	1	E1	+	5	5.3	5-ASA	2
UC_022_End+	M	41	+	2	E2	+	2	2.1	No treatment	1
UC_023_End+	M	64	+	2	E2	+	3	3.1	5-ASA	4
UC_025_End+	M	32	+	2	E3	+	3	3.0	AZA	3
UC_027_End+	M	42	+	2	E3	+	3	3.0	5-ASA	2
UC_028_End+	M	31	+	3	E3	+	3	3.1	AZA	2
UC_029_End+	F	30	+	2	E3	+	3	3.0	AZA	1
UC_030_End+	M	55	+	2	E3	+	4	4.0	No treatment	0

Sample code	Sex	Age	Endo +/-	Mayo Score	Montreal Score	Hist+/-	GEBOES Grading	GEBOES Score	Treatment	Disease duration (years)
UC_001_End-a	F	33	-	0	E2	-	0	0.2	anti-TNF	8
UC_002_End-b	M	38	-	0	E2	-	0	0.1	5-ASA	12
UC_002_End-	M	39	-	0	E2	-	0	0.1	5-ASA	13
UC_003_End-	M	42	-	0	E3	-	0	0.2	5-ASA	9
UC_004_End-	M	33	-	0	E2	-	0	0.2	AZA	5
UC_006_End-	M	49	-	0	E2	-	0	0.3	5-ASA	2
UC_008_End-	M	67	-	0	E2	-	0	0.0	AZA	11
UC_009_End-	M	38	-	0	E1	-	0	0.2	5-ASA	4
UC_011_End-	M	67	-	0	E2	-	0	0.3	5-ASA	2
UC_017_End-	M	61	-	0	E2	-	0	0.1	5-ASA	11
UC_020_End-	F	51	-	0	E2	-	0	0.2	5-ASA	6
UC_022_End-	M	41	-	0	E2	-	0	0.3	5-ASA	1
UC_026_End-	F	25	-	0	E3	-	0	0.3	AZA	1
UC_010_End-	F	29	-	0	E2	+	3	3.2	5-ASA	2
UC_012_End-	M	51	-	0	E3	+	2	2.1	5-ASA	2
UC_019_End-	M	29	-	0	E3	+	2	2.1	5-ASA	2
UC_023_End-	M	64	-	0	E2	+	2	2.2	5-ASA	4
UC_024_End-	M	40	-	0	E2	+	2	2.0	5-ASA	1

Supplementary Table II. RT² Profiler PCR Array (96-well plates): from the position 1 to 84 are reported the transcripts analyzed; from 85 to 89 the housekeeping genes included in the array, and from 90 to 96 the quality control assays.

	Symbol	Description
1	ABCB1	ATP-binding cassette, sub-family B (MDR/TAP), member 1
2	ALDOB	Aldolase B, fructose-bisphosphate
3	ATG16L1	ATG16 autophagy related 16-like 1 (<i>S. cerevisiae</i>)
4	C3	Complement component 3
5	C4BPB	Complement component 4 binding protein, beta
6	CASP1	Caspase 1, apoptosis-related cysteine peptidase (interleukin 1, beta, convertase)
7	CCL11	Chemokine (C-C motif) ligand 11
8	CCL2	Chemokine (C-C motif) ligand 2
9	CCL20	Chemokine (C-C motif) ligand 20
10	CCL25	Chemokine (C-C motif) ligand 25
11	CCL5	Chemokine (C-C motif) ligand 5
12	CCR1	Chemokine (C-C motif) receptor 1
13	CCR2	Chemokine (C-C motif) receptor 2
14	CCR5	Chemokine (C-C motif) receptor 5
15	CCR9	Chemokine (C-C motif) receptor 9
16	CD55	CD55 molecule, decay accelerating factor for complement (Cromer blood group)
17	CHI3L1	Chitinase 3-like 1 (cartilage glycoprotein-39)
18	CR2	Complement component (3d/Epstein Barr virus) receptor 2
19	CSTA	Cystatin A (stefin A)
20	CX3CL1	Chemokine (C-X3-C motif) ligand 1
21	CX3CR1	Chemokine (C-X3-C motif) receptor 1
22	CXCL1	Chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha)
23	CXCL10	Chemokine (C-X-C motif) ligand 10
24	CXCL11	Chemokine (C-X-C motif) ligand 11
25	CXCL12	Chemokine (C-X-C motif) ligand 12
26	CXCL2	Chemokine (C-X-C motif) ligand 2
27	CXCL3	Chemokine (C-X-C motif) ligand 3
28	CXCL9	Chemokine (C-X-C motif) ligand 9
29	CXCR1	Chemokine (C-X-C motif) receptor 1
30	CXCR3	Chemokine (C-X-C motif) receptor 3
31	DEFA5	Defensin, alpha 5, Paneth cell-specific
32	DEFA6	Defensin, alpha 6, Paneth cell-specific
33	EDN3	Endothelin 3
34	EGR3	Early growth response 3
35	FPR1	Formyl peptide receptor 1
36	GCG	Glucagon
37	HLA-QA1	Major histocompatibility complex, class II, DQ alpha 1
38	HLA-DRA	Major histocompatibility complex, class II, DR alpha
39	HLA-DRB1	Major histocompatibility complex, class II, DR beta 1
40	HSP90B1	Heat shock protein 90kDa beta (Grp94), member 1

41	HSPA5	Heat shock 70kDa protein 5 (glucose-regulated protein, 78kDa)
42	IFNG	Interferon, gamma
43	IL13	Interleukin 13
44	IL17A	Interleukin 17A
45	IL1B	Interleukin 1, beta
46	IL1RN	Interleukin 1 receptor antagonist
47	IL23A	Interleukin 23, alpha subunit p19
48	IL2RA	Interleukin 2 receptor, alpha
49	IL5	Interleukin 5 (colony-stimulating factor, eosinophil)
50	IL6	Interleukin 6 (interferon, beta 2)
51	IL8	Interleukin 8
52	IRF5	Interferon regulatory factor 5
53	ISG15	ISG15 ubiquitin-like modifier
54	ITGB2	Integrin, beta 2 (complement component 3 receptor 3 and 4 subunit)
55	LCN2	Lipocalin 2
56	LTB	Lymphotoxin beta (TNF superfamily, member 3)
57	LYZ	Lysozyme
58	MMP1	Matrix metalloproteinase 1 (interstitial collagenase)
59	MMP10	Matrix metalloproteinase 10 (stromelysin 2)
60	MMP3	Matrix metalloproteinase 3 (stromelysin 1, progelatinase)
61	MMP7	Matrix metalloproteinase 7 (matrilysin, uterine)
62	MUC1	Mucin 1, cell surface associated
63	NOD2	Nucleotide-binding oligomerization domain containing 2
64	NOS2	Nitric oxide synthase 2, inducible
65	NR3C2	Nuclear receptor subfamily 3, group C, member 2
66	PCK1	Phosphoenolpyruvate carboxykinase 1 (soluble)
67	PECAM1	Platelet/endothelial cell adhesion molecule
68	REG1A	Regenerating islet-derived 1 alpha
69	REG1B	Regenerating islet-derived 1 beta
70	S100A8	S100 calcium binding protein A8
71	S100A9	S100 calcium binding protein A9
72	SAA1	Serum amyloid A1
73	SELE	Selectin E
74	SELL	Selectin L
75	SOD2	Superoxide dismutase 2, mitochondrial
76	STAT1	Signal transducer and activator of transcription 1, 91kDa
77	STAT3	Signal transducer and activator of transcription 3 (acute-phase response factor)
78	TDO2	Tryptophan 2,3-dioxygenase
79	TFF1	Trefoil factor 1
80	TIMP1	TIMP metalloproteinase inhibitor 1
81	TNF	Tumor necrosis factor
82	TYK2	Tyrosine kinase 2
83	UBD	Ubiquitin D
84	VWF	Von Willebrand factor
85	ACTB	Actin, beta

86	B2M	Beta-2-microglobulin
87	GAPDH	Glyceraldehyde-3-phosphate dehydrogenase
88	HPRT1	Hypoxanthine phosphoribosyltransferase 1
89	RPLP0	Ribosomal protein, large, P0
90	HGDC	Human Genomic DNA Contamination
91	RTC	Reverse Transcription Control
92	RTC	Reverse Transcription Control
93	RTC	Reverse Transcription Control
94	PPC	Positive PCR Control
95	PPC	Positive PCR Control
96	PPC	Positive PCR Control