

Supplementary Table 1. Clinical Metadata of Subjects with Ulcerative Colitis

Subject No	Sex	Age	Extent of UC (L1: Proctitis, L2: Left-sided, L3: Extensive)	Clinical remission	Endoscopic appearance	Medical treatment	Family History of IBD	Smoking History
UC03	M	28	L3	Yes	Non-Inflamed	Topical mesalazine Oral mesalazine	No	Never
UC05	M	35	L3	Yes	Non-Inflamed	Oral mesalazine	Yes	Never
UC06	F	46	L1	Yes	Non-Inflamed	Topical mesalazine Oral mesalazine	No	Never
UC07	F	75	L1	Yes	Non-Inflamed	Topical mesalazine Oral mesalazine	No	Never
UC08	M	39	L1	Yes	Inflamed	Topical mesalazine Oral mesalazine	No	Ex
UC09	M	55	L3	Yes	Inflamed	Oral mesalazine Azathioprine	No	Never
UC10	F	56	L1	Yes	Non-Inflamed	Oral mesalazine	No	Never
UC11	M	23	L1	Yes	Non-Inflamed	Topical mesalazine Oral mesalazine	No	Never
UC12	M	45	L2	Yes	Inflamed	Topical mesalazine Oral mesalazine	No	Never
UC13	M	47	L2	Yes	Inflamed	No treatment	No	Never
UC14	M	60	L3	Yes	Non-Inflamed	Oral mesalazine Azathioprine	No	Never
UC15	F	55	L2	Yes	Non-Inflamed	Oral mesalazine	No	Never
UC16	M	69	L1	Yes	Inflamed	Topical mesalazine	Yes	Ex
UC17	M	68	L3	Yes	Inflamed	Topical mesalazine Oral mesalazine 6-Mercaptopurine	No	Never

Subject No	Sex	Age	Extent of UC (L1: Proctitis, L2: Left-sided, L3: Extensive)	Clinical remission	Endoscopic appearance	Medical treatment	Family History of IBD	Smoking History
UC18	F	58	L2	Yes	Non-Inflamed	Oral mesalazine	No	Never
UC19	M	60	L2	Yes	Non-Inflamed	Topical mesalazine Oral mesalazine	No	Ex
UC20	M	60	L3	Yes	Non-Inflamed	Topical mesalazine Oral mesalazine	No	Never
UC21	M	25	L3	Yes	Inflamed	Topical mesalazine Oral mesalazine Azathioprine	No	Never
UC22	M	72	L2	Yes	Non-Inflamed	Topical mesalazine Oral mesalazine	No	Ex
UC23	F	58	L3	Yes	Inflamed	Oral mesalazine Azathioprine	No	Never
UC24	F	65	L1	Yes	Inflamed	No treatment	No	Never
UC26	M	42	L3	Yes	Non-Inflamed	Topical mesalazine Oral mesalazine	Yes	Never
UC27	M	62	L3	Yes	Inflamed	Oral mesalazine	No	Never
UC28	F	42	L2	No	Inflamed	Oral mesalazine Azathioprine Infliximab	No	Never
UC29	M	35	L2	No	Inflamed	Topical mesalazine Oral mesalazine Azathioprine	No	Never
UC30	M	23	L1	Yes	Inflamed	Topical mesalazine Oral mesalazine	No	Never
UC31	M	47	L3	Yes	Inflamed	Oral mesalazine	No	Ex
UC32	F	58	L2	Yes	Inflamed	Oral mesalazine	No	Never

Subject No	Sex	Age	Extent of UC (L1: Proctitis, L2: Left-sided, L3: Extensive)	Clinical remission	Endoscopic appearance	Medical treatment	Family History of IBD	Smoking History
UC33	M	44	L3	Yes	Inflamed	Oral mesalazine	No	Never
UC34	F	57	L2	Yes	Inflamed	Oral mesalazine Azathioprine	No	Never
UC35	M	72	L2	Yes	Inflamed	Topical mesalazine Oral mesalazine	No	Ex
UC36	F	37	L1	Yes	Inflamed	Topical mesalazine Oral mesalazine	No	Ex
UC37	F	33	L3	Yes	Inflamed	Topical mesalazine Oral mesalazine	No	Never
UC38	M	62	L2	Yes	Non-Inflamed	Topical mesalazine Oral mesalazine	No	Never
UC39	F	46	L2	Yes	Inflamed	Topical mesalazine Oral mesalazine Azathioprine	No	Never
UC40	M	48	L3	Yes	Inflamed	Topical mesalazine Oral mesalazine 6-Mercaptopurine	No	Never
UC41	M	42	L3	Yes	Non-Inflamed	Topical mesalazine Oral mesalazine	No	Never
UC42	M	51	L2	Yes	Non-Inflamed	Azathioprine	No	Never
UC43	M	55	L2	Yes	Non-Inflamed	No treatment	No	Current
UC44	M	54	L3	Yes	Non-Inflamed	6-Mercaptopurine	No	Never
UC45	M	29	L3	Yes	Inflamed	Topical mesalazine Oral mesalazine	No	Never
UC46	M	36	L2	No	Inflamed	Topical mesalazine Topical steroid (budesonide) Oral mesalazine	No	Never

Subject No	Sex	Age	Extent of UC (L1: Proctitis, L2: Left-sided, L3: Extensive)	Clinical remission	Endoscopic appearance	Medical treatment	Family History of IBD	Smoking History
UC47	M	65	L3	Yes	Non-Inflamed	Oral mesalazine Azathioprine	No	Never
UC48	M	68	L3	Yes	Inflamed	Oral mesalazine	No	Never
UC49	M	57	L2	No	Inflamed	Topical mesalazine Oral mesalazine	Yes	Never
UC50	M	65	L2	Yes	Non-Inflamed	Topical mesalazine Oral mesalazine Azathioprine	No	Ex
UC51	M	69	L1	Yes	Inflamed	Topical mesalazine Oral mesalazine	No	Ex
UC52	M	31	L2	No	Inflamed	Topical mesalazine Oral mesalazine Azathioprine	No	Never
UC53	M	35	L3	Yes	Non-Inflamed	Oral mesalazine 6-Mercaptopurine	Yes	Never
UC54	M	45	L2	Yes	Non-Inflamed	Topical mesalazine Oral mesalazine	No	Never
UC55	F	72	L3	Yes	Non-Inflamed	Oral mesalazine Azathioprine	No	Never
UC56	M	48	L2	Yes	Inflamed	Topical mesalazine Systemic sulphasalazine Azathioprine	No	Never
UC57	M	45	L3	No	Inflamed	Topical mesalazine Oral mesalazine	No	Never
UC58	F	40	L2	Yes	Non-Inflamed	No treatment		Never
UC59	F	30	L3	Yes	Non-Inflamed	Topical mesalazine Oral mesalazine Azathioprine	No	Never
UC60	F	68	L2	Yes	Non-Inflamed	Topical mesalazine	No	Current

Subject No	Sex	Age	Extent of UC (L1: Proctitis, L2: Left-sided, L3: Extensive)	Clinical remission	Endoscopic appearance	Medical treatment	Family History of IBD	Smoking History
UC61	M	65	L3	Yes	Inflamed	Topical mesalazine Oral mesalazine	No	Never
UC62	F	62	L2	Yes	Inflamed	Topical mesalazine Oral mesalazine	No	Never
UC63	M	44	L3	No	Inflamed	Topical mesalazine Oral mesalazine Azathioprine	No	Current
UC64	M	54	L3	Yes	Non-Inflamed	No treatment	No	Never
UC65	M	74	L3	Yes	Non-Inflamed	Topical mesalazine Oral mesalazine	No	Never
UC66	M	66	L3	Yes	Inflamed	Topical mesalazine Oral mesalazine Azathioprine	No	Ex
UC67	M	37	L3	Yes	Inflamed	No treatment	Yes	Never