Supplementary Table S1. Summary of demographics and characteristics of the subjects analyzed in this study

	PSC	UC	НС	<i>p</i> -value
No. of patients	27	16	23	
Male, n (%)	19 (70)	7 (44)	10 (43)	0.099
Present age, yrs, median (min-max)	12 (3–24)	13 (10–22)	12 (3–23)	0.491
Age at onset, yrs, median (min-max)	6 (2–15)	11 (4–14)	_	0.009
Age at diagnosis, yrs, median (min-max)	9 (2–16)	12 (6–15)	_	0.126
IBD n (%)	27 (100)	16 (100)	_	
UC n (%)	10 (41)	16 (100)	_	
IBD-U n (%)	17 (59)	0 (0)	_	
PUCAI score in UC patients, n (%)				
Remission (0–9)	7 (70)	8 (50)	_	0.428
Mild disease activity (10–30)	3 (30)	5 (31)	_	1.000
Moderate disease activity (35–60)	0 (0)	2 (13)	_	0.508
Severe disease activity (65–)	0 (0)	1 (6)	_	1.000
Medication n (%)				
UDCA	21 (78)	0 (0)	_	< 0.001
SASP	14 (52)	1 (6)	_	0.003
Mesalazine	5 (19)	13 (81)	_	< 0.001
Thiopurine	10 (37)	9 (56)	_	0.341
Steroids	7 (26)	2 (12)	_	0.446
Infliximab	0 (0)	1 (6)	_	0.372
Probiotics	6 (22)	5 (31)	_	0.719

HC, healthy control; IBD, inflammatory bowel disease; IBD-U, inflammatory bowel disease unclassified; PSC, primary sclerosing cholangitis; PUCAI, pediatric ulcerative colitis activity index; SASP, salazosulfapyridine; UC, ulcerative colitis; UDCA, ursodeoxycholic acid. Statistical analyses were by Mann-Whitney's U-test, Kruskal-Wallis test, Chi-square test or Fisher's exact test where appropriate.

Supplementary Table S2. Demographics and characteristics of PSC and UC patients without SASP treatment and the HC subjects

	PSC	UC	НС	<i>p</i> -value
No. of patients	13	15	23	
Male, n (%)	11 (85)	7 (44)	10 (43)	0.044
Present age, yrs, median (min-max)	15 (3–24)	13 (10–18)	12 (3–23)	0.507
Age at onset, yrs, median (min-max)	8 (2–15)	11 (4–14)	_	0.150
Age at diagnosis, yrs, median (min-max)	9 (2–16)	12 (6–15)	_	0.459
IBD n (%)	13 (100)	15 (100)	_	
UC n (%)	6 (46)	15 (100)	_	
IBD-U n (%)	7 (53)	0 (0)	_	
PUCAI score in UC patients, n (%)				
Remission (0–9)	5 (83)	7 (47)	_	0.178
Mild disease activity (10–30)	1 (17)	5 (33)	_	0.623
Moderate disease activity (35–60)	0 (0)	2 (13)	_	1.000
Severe disease activity (65–)	0 (0)	1 (7)	_	1.000
Medication n (%)				
UDCA	7 (53)	0 (0)	_	0.001
Mesalazine	5 (38)	13 (87)	_	0.016
Thiopurine	2 (15)	8 (53)	_	0.055
Steroids	1 (8)	2 (13)	_	1.000
Infliximab	0 (0)	1 (7)	_	1.000
Probiotics	3 (23)	5 (33)	_	0.686

HC, healthy control; IBD, inflammatory bowel disease; IBD-U, inflammatory bowel disease unclassified; PSC, primary sclerosing cholangitis; PUCAI, pediatric ulcerative colitis activity index; SASP, salazosulfapyridine; UC, ulcerative colitis; UDCA, ursodeoxycholic acid. Statistical analyses were by Mann-Whitney's U-test, Kruskal-Wallis test, Chi-square test or Fisher's exact test where appropriate.