

Table S1. Demographic information of Tong dataset.

Metadata of Tong Dataset				
		Control	UC	CD
Subject (64)		32	16	16
Gender	Male	20	9	11
	Female	12	7	5
Age (Average \pm SD)		60 \pm 12	36 \pm 12	41 \pm 12
Sample (179)		90	43	46
Anatomical region	CE (1)	1	0	0
	AS (47)	25	15	7
	TR (22)	4	8	10
	DE (57)	31	12	14
	RE (52)	29	8	15

Table S4. Module membership comparison between FMCs from the Tong Total and Tong Overlap dataset.

		Tong Total				
		Blue (40)	Brown (12)	Turquoise (60)	Green (5)	Yellow (12)
Tong Overlap	Blue (30)	29	1			
	Brown (12)	1	11			
	Turquoise (81)	9		60		12
	Green (6)	1			5	

Table S5. Module membership comparison between FMCs from the Frank Total and Frank Overlap dataset.

		Frank Total					
		Turquoise (52)	Blue (55)	Red (3)	Orange (7)	Black (1)	Pink (11)
Frank Overlap	Turquoise (59)	27	11	3	6	1	11
	Blue (70)	25	44		1		

Table S6. Module membership comparison between FMCs from the Tong dataset and those from the Tong-MLI shared dataset.

		Tong Total				
		Blue (62)	Yellow (14)	Turquoise (137)	Green (5)	Brown (15)
Tong-MLI Overlap	Blue (49)	35				14
	Yellow (18)	1	14	3		
	Turquoise (161)	26		134		1
	Green (5)				5	

Figure S1

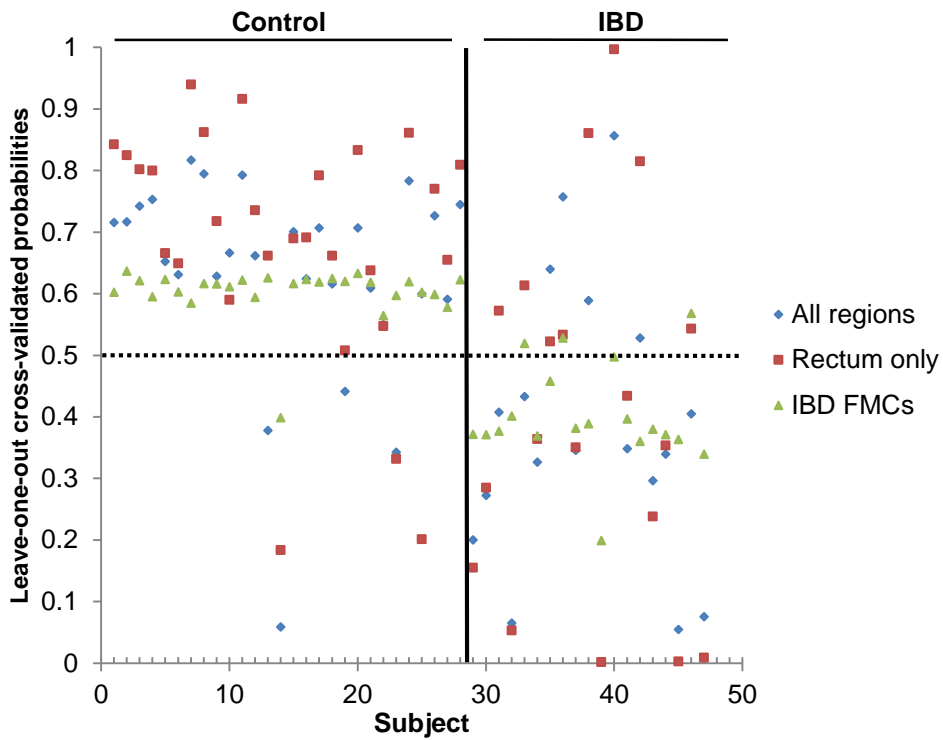


Figure S2

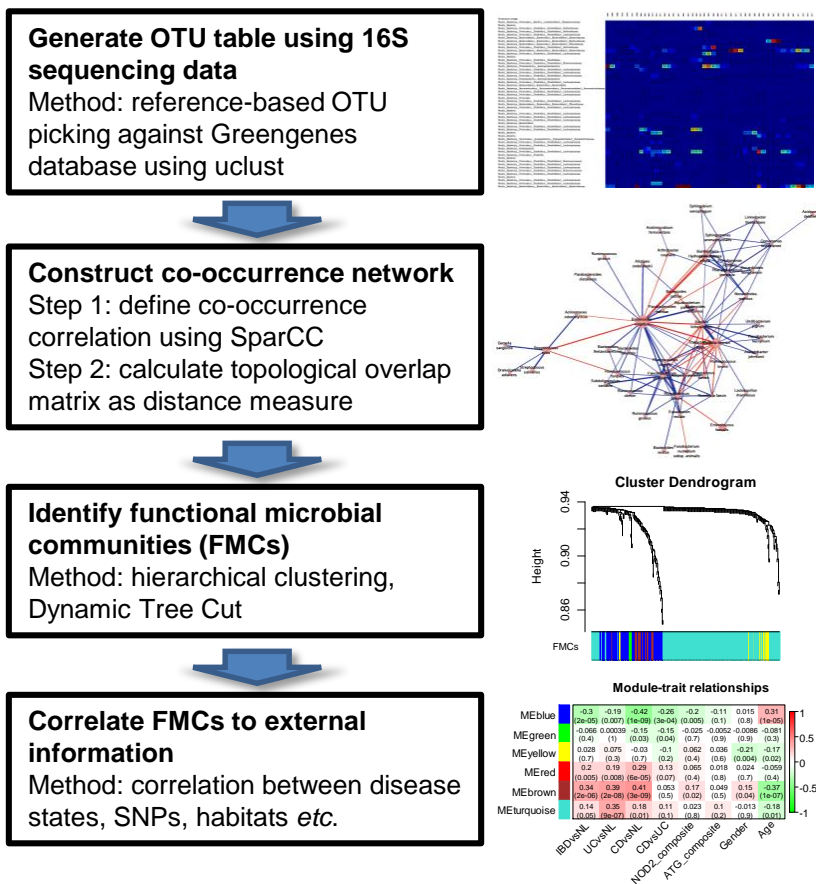


Figure S3

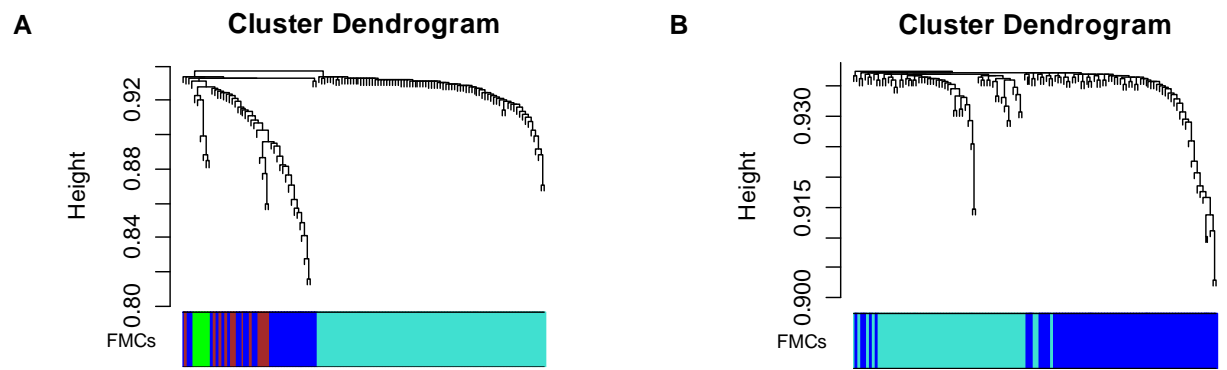


Figure S4

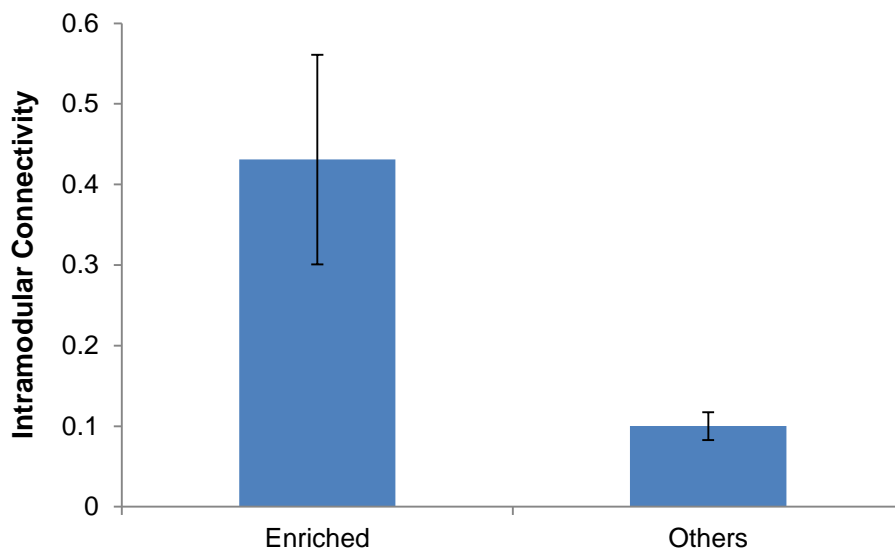


Figure S5

