

Table S2. Patient record and percentage homology of infected *Blastocystis* subtypes with their closest match reference from Genbank

Patient no. - age/ gender	<i>Blastocystis</i> from symptomatic patient		Genbank reference <i>Blastocystis</i> isolate, host (Accession no.)				<i>Blastocystis</i> from asymptomatic patient		Patient no. - age/ gender
	Isolate designation	% homology	ST	Clones sequences with a single <i>Blastocystis</i> subtype		ST	%homology	Isolate designation	
				clone					
L1-15/F	LFS-1	(100)		(a,b,c)	HJ96A-29, human (AB070989)	(a,b,c)	(100)	LF-30	L20-23/F
L16-38/F	LFS-2	(100)		(a,b,c)	MJ99-424, monkey (AB107967)	(a,b,c)	(100)	LM-31	L28-13/M
L17-60/F	LFS-3	(100)		(a,b,c)		(a,b,c)	(100)	LF-32	L25-43/F
L18-9/F	LFS-4	(100)		(a,b,c)		(a,b) (c,d)	(100) (99.7)	LM-33	L22-75/M
L12-25/M	LMS-5	(100) (99.7)		(a,b) (c,d)		(a,b,c)	(100)	LM-34	L24-50/M
L13-45/F	LFS-6	(98.7) (98.5)		(a,b) c,d)		(a,c) (b,d)	(98.7) (98.5)	LM-35	L26-28/M
L31-9/M	LMS-7	(100)		(a,b,c)		(a,b,c)	(100)	LF-36	L40-43/F
L32-5/M	LMS-8	(100)	ST1	(a,b,c)		(a,b,c)	ST1 (100)	LF-37	L41-28/F
L33-28M	LMS-9	(100)		(a,b,c)					
L34-45/F	LFS-10	(100)		(a,b,c)					
L39-40/F	LFS-11	(100)		(a,b,c)					
L42-50/M	LMS-12	(100)		(a,b,c)					
L43-34/F	LFS-13	(100)		(a,b,c)					
L44-38/F	LFS-14	(100)		(a,b,c)					
L45-46/F	LFS-15	(100)		(a,b,c)					
L35-24M	LMS-16	(99.7)		(a,b,c)	MJ99-116, monkey (AB107969)	(a,b,c)	(99.7)	LM-38	L19-20/M
L8-64/M	LMS-17	(99.7)		(a,b,c)		(a,b,c)	(99.7)	LM-39	L21-18/M
L2-17/M	LMS-18	(98.9)	ST2	(a,b,c)		(a,b,c)	ST2 (98.9)	LM-40	L6-27/M
L36-15/M	LMS-19	(98.9)		(a,b,c)		(a,b,c)	(98.9)	LF-41	L14-27/F
L37-33/F	LFS-20	(98.9)		(a,b,c)		(a,d) (b,c)	(98.9) (98.7)	LM-42	L5-27/M
						(a,b,c)	(99.7)	LM-43	L38-23/M
L7-25/M	LMS-21	(100)		(a,b,c)	PJ99-162, pig (AB107963)				
L11-31/F	LFS-22	(100)		(a,b,c)					
L15-34/M	LMS-23	(100)		(a,b,c)					
L23-34/M	LMS-24	(100)		(a,b,c)					
L9-48/M	LMS-25	(100)	ST3	(a,b,c)					
L10-28/M	LMS-26	(99.1) (100)		(a,b) (c,d)					
L29-30/M	LMS-27	(100)		(a,b,c)					
L30-19/F	LFS-28	(100)		(a,b,c)					
clones sequences with two <i>Blastocystis</i> subtypes									
L27-45/M	LMS-29	(98.9)	ST1	(a,b)	MJ99-424, monkey (AB107967)				
		(99.7)	ST3	(c,d)	PJ99-162, pig (AB107963)				
					MJ99-424, monkey (AB107967)	(a,b)	ST1 (99.7)	LM-44	L3-20/M
					MJ99-116, monkey (AB107969)	(c,d)	ST2 (98.3)		
					MJ99-424, monkey (AB107967)	(a,b)	ST1 (99.7)	LF-45	L4-33/F
					MJ99-116, monkey (AB107969)	(c,d)	ST2 (98.3)		

Designation: Subtype of *Blastocystis* (ST), Libyan (L), female (F), male (M). *Blastocystis* isolate from Libyan male (LM), male with symptom (LMS), female (LF), female with symptom (LFS). Isolate clones sequences (bold font) and the reference isolates (accession number) were used in the phylogenetic analysis. Specimens L18-9/F and L5-27/M were co-infected with *Giardia intestinalis* and *Cryptosporidium* species, respectively.

