**Table S2. *Blastocystis* subtypes identity based on the partial fragment of the 18S SSU-rDNA**

|  |  |  |  |
| --- | --- | --- | --- |
| **DNA ID**  | **Reference Strains of *Blastocystis* species**  | **GenBank Accession Number**  | **Nucleotide percent identity (%)**  |
| 1  | *Blastocystis* sp. Isolate 33F small subunit ribosomal RNA gene, partial sequence.   | [MN686282.1](https://www.ncbi.nlm.nih.gov/nucleotide/MN686282.1?report=genbank&log$=nucltop&blast_rank=1&RID=W1ENM5EG013)  | 100  |
| 9  | *Blastocystis* sp. Isolate 587 small subunit ribosomal RNA gene, partial sequence.   | [MN585822.1](https://www.ncbi.nlm.nih.gov/nucleotide/MN585822.1?report=genbank&log$=nucltop&blast_rank=1&RID=W1ES4FH0013)  | 99.83  |
| 5  | *Blastocystis* sp. Strain ST3 voucher S245-DYS small subunit ribosomal RNA gene, partial sequence.  | [MK719673.1](https://www.ncbi.nlm.nih.gov/nucleotide/MK719673.1?report=genbank&log$=nucltop&blast_rank=1&RID=W1EY99H701N)  | 100  |
| 2  | *Blastocystis* sp. Isolate C16\_MELOGB small subunit ribosomal RNA gene, partial sequence.   | [MK511793.1](https://www.ncbi.nlm.nih.gov/nucleotide/MK511793.1?report=genbank&log$=nucltop&blast_rank=1&RID=W1F157RK013)  | 99.66  |
| 10  | *Blastocystis* *hominis* Isolate B195 small subunit ribosomal RNA gene, partial sequence.   | M[T042791.1](https://www.ncbi.nlm.nih.gov/nucleotide/MT042791.1?report=genbank&log$=nucltop&blast_rank=1&RID=W1F614JK013)  | 99.83  |
| 14  | *Blastocystis* sp. Strain ST3 voucher S245-DYS small subunit ribosomal RNA gene, partial sequence.   | [MK719673.1](https://www.ncbi.nlm.nih.gov/nucleotide/MK719673.1?report=genbank&log$=nucltop&blast_rank=1&RID=W1FP5TEE01N)  | 100  |
| 11  | *Blastocystis* sp. Isolate 36M small subunit ribosomal RNA gene, partial sequence.   | [MN658568.1](https://www.ncbi.nlm.nih.gov/nucleotide/MN658568.1?report=genbank&log$=nucltop&blast_rank=1&RID=W2162FYR016)  | 99.49  |
| 15  | *Blastocystis* sp. Clone 34 small subunit ribosomal RNA gene, partial sequence.   | [MN526781.1](https://www.ncbi.nlm.nih.gov/nucleotide/MN526781.1?report=genbank&log$=nucltop&blast_rank=1&RID=W21HTA1F016)  | 99.83  |
| 8  | *Blastocystis* *hominis* Isolate B99 small subunit ribosomal RNA gene, partial sequence.   | [MT042787.1](https://www.ncbi.nlm.nih.gov/nucleotide/MT042787.1?report=genbank&log$=nucltop&blast_rank=1&RID=W21MWZ9H016)  | 100  |
| 12  | *Blastocystis* *homonis* Isolate B113 small subunit ribosomal RNA gene, partial sequence.   | [MT042820.1](https://www.ncbi.nlm.nih.gov/nucleotide/MT042820.1?report=genbank&log$=nucltop&blast_rank=1&RID=W21TMMDX013)  | 99.83  |
| 26  | *Blastocystis* sp. Clone 5 small subunit ribosomal RNA gene, partial sequence.   | M[N526752.1](https://www.ncbi.nlm.nih.gov/nucleotide/MN526752.1?report=genbank&log$=nucltop&blast_rank=1&RID=W21YNA66013)  | 99.83  |
| 28  | [*Blastocystis* sp. strain ST 3 voucher S245-DYS small subunit ribosomal RNA gene, partial sequence](https://blast.ncbi.nlm.nih.gov/Blast.cgi#alnHdr_1604405446)  | [MK719673.1](https://www.ncbi.nlm.nih.gov/nucleotide/MK719673.1?report=genbank&log$=nucltop&blast_rank=1&RID=W22226JE01N)  | 100  |
| 37  | *Blastocystis* *hominis* Isolate B113 small subunit ribosomal RNA gene, partial sequence.  | [MT042820.1](https://www.ncbi.nlm.nih.gov/nucleotide/MT042820.1?report=genbank&log$=nucltop&blast_rank=1&RID=W22A6RZ7013)  | 99.82  |
| 40  | *Blastocystis* sp. Strain ST3 voucher ASYM-310 small subunit ribosomal RNA gene, partial sequence.   | [MK719661.1](https://www.ncbi.nlm.nih.gov/nucleotide/MK719661.1?report=genbank&log$=nucltop&blast_rank=1&RID=W1A0PGAN016)  | 99.83  |
| 41  | *Blastocystis* sp. Subtype 3 isolate B66BAS small subunit ribosomal RNA gene, partial sequence.   | [KY610149.1](https://www.ncbi.nlm.nih.gov/nucleotide/KY610149.1?report=genbank&log$=nucltop&blast_rank=1&RID=W1A6M31E013)  | 100  |
| 42  | *Blastocystis* sp. Isolate Br68 small subunit ribosomal RNA gene, partial sequence.   | [MG807911.1](https://www.ncbi.nlm.nih.gov/nucleotide/MG807911.1?report=genbank&log$=nucltop&blast_rank=1&RID=W1CX1TAW01N)  | 100  |
| 44  | *Blastocystis* sp. Strain ST3a   | MT645665  | 100  |
| 46  | [*Blastocystis hominis* isolate B195 small subunit ribosomal RNA gene, partial sequence](https://blast.ncbi.nlm.nih.gov/Blast.cgi#alnHdr_1808209492)  | [MT042791.1](https://www.ncbi.nlm.nih.gov/nucleotide/MT042791.1?report=genbank&log$=nucltop&blast_rank=1&RID=W1DXG0A201N)  | 100  |
| 48  | *Blastocystis*sp. Clone 5  | MN 526752  | 99.83  |
| 49  | *Blastocystis*sp. Strain ST3  | MK719673  | 100  |
| 50  | *Blastocystis*sp. Isolate 33F  | MN686282  | 100  |
| 52  | *Blastocystis hominis*isolate 356\_3  | MT042797  | 100  |
| 53  | *Blastocystis sp.*Isolate C29  | MN585864  | 99.83  |
| 54  | *Blastocystis sp.*Isolate C29  | MN585864  | 100  |
| 55  | *Blastocystis sp.*Isolate C29  | MN585864  | 99.83  |
| 57  | *Blastocystis sp.*Subtype 1 strain PAN12  | JQ974923  | 98.45  |
| 58  | *Blastocystis hominis*isolate B99  | MT042787  | 99.74  |
| 60  | *Blastocystis*sp. Clone 34  | MN526781  | 100  |
| 61  | *Blastocystis*sp. Isolate C29  | MN585864  | 100  |
| 62  | *Blastocystis*sp. Strain ST3  | MK719673  | 100  |
| 63  | *Blastocystis*sp. Strain ST3  | MT645669  | 99.64  |
| 64  | *Blastocystis*sp. Clone 34  | MN526781  | 100  |
| 65  | *Blastocystis*sp. Strain ST3  | MT645669  | 97.48  |
| 66  | *Blastocystis hominis*isolate B9  | MT042818  | 100  |
| 67  | *Blastocystis* sp. Isolate C14 small subunit ribosomal RNA gene, partial sequence.  | [MN585857.1](https://www.ncbi.nlm.nih.gov/nucleotide/MN585857.1?report=genbank&log$=nucltop&blast_rank=1&RID=W1EEN42R013)  | 99.66  |
| 69  | *Blastocystis*sp. Subtype 3  | KY610153  | 100  |
| 70  | *Blastocystis*sp. Clone 65  | MN526812  | 100  |
| 73  | *Blastocystis*sp. Subtype 1  | KY190413  | 100  |
| 74  | *Blastocystis*sp. Clone 34  | MN526781  | 100  |
| 77  | *Blastocystis*sp. Subtype 1  | MG011609  | 100  |
| 78  | *Blastocystis hominis*isolate B195  | MT042791  | 99.83  |
| 79  | *Blastocystis*sp. Strain ST3  | MK719673  | 99.47  |
| 80  | *Blastocystis*sp. Isolate C29  | MN585864  | 99.66  |
| 81  | *Blastocystis*sp. Isolate 13UC\_2ST3  | MK782504  | 100  |
| 82  | *Blastocystis*sp. Isolate 22F  | MN686280  | 100  |
| 83   | *Blastocystis*sp. Isolate 1104  | MN585849  | 100  |
| 84  | *Blastocystis*sp. Clone 34  | MN526781  | 100  |
| 85  | *Blastocystis* sp. Isolate MC17 small subunit ribosomal RNA gene, partial sequence.  | [MH197669.1](https://www.ncbi.nlm.nih.gov/nucleotide/MH197669.1?report=genbank&log$=nucltop&blast_rank=1&RID=W1E4DD6M013)  | 100  |