

**Table S7.** Diversity, frequency, and molecular features of *Blastocystis* sp. isolates identified in captive non-human primates in the present study. Institution of origin and GenBank accession numbers are provided.

| Species                 | Species/<br>genotype | Sub-<br>genotype | No.<br>isolates | Institution                | Locus    | Reference<br>sequence | Stretch | Single nucleotide<br>polymorphisms          | GenBank ID |
|-------------------------|----------------------|------------------|-----------------|----------------------------|----------|-----------------------|---------|---|------------|
| <i>Blastocystis</i> sp. | ST1                  | Allele 1         | 5               | SZ (5)                     | MK357786 | <i>ssu</i> rRNA       | 1–607   | None  | OK285229   |
|                         | ST1                  | Allele 2         | 4               | MZA (3), SZ (1)            | AB107968 | <i>ssu</i> rRNA       | 21–611  | 80delG                                      | OK285230   |
|                         | ST1                  | Unknown          | 9               | BZ (5), SZ (4)             | –        | <i>ssu</i> rRNA       | –       | –   | –          |
|                         | ST1                  | Alleles 1+2      | 9               | SZ (5), BZ (3),<br>MZA (1) | AB107968 | <i>ssu</i> rRNA       | 18–550  | A132R                                       | OK285231   |
|                         | ST1                  | Alleles 1+2      | 1               | SZ (1)                     | AB107968 | <i>ssu</i> rRNA       | 48–611  | A132V                                       | OK285232   |
|                         | ST1                  | Allele 3         | 1               | MZA (1)                    | DQ462721 | <i>ssu</i> rRNA       | 62–531  | None  | OK285233   |
|                         | ST1                  | Allele 4         | 1               | SZ (1)                     | MZ396317 | <i>ssu</i> rRNA       | 1–390   | None  | OK285234   |
|                         | ST2                  | Allele 9         | 4               | MZA (4)                    | MT661555 | <i>ssu</i> rRNA       | 52–554  | None  | OK285235   |
|                         | ST2                  | Allele 11        | 1               | MZA (1)                    | MZ496542 | <i>ssu</i> rRNA       | 1–598   | None  | OK285236   |
|                         | ST2                  | Allele 12        | 1               | MZA (1)                    | MN526752 | <i>ssu</i> rRNA       | 4–605   | G456A                                       | OK285237   |
|                         | ST2                  | Allele 12        | 3               | MZA (3)                    | MW564223 | <i>ssu</i> rRNA       | 6–594   | A173R, A255W                                | OK285238   |
|                         | ST2                  | Allele 12        | 1               | MZA (1)                    | MW564223 | <i>ssu</i> rRNA       | 1–594   | A173R, A255W, A395W                         | OK285239   |
|                         | ST3                  | Allele 23        | 2               | MZA (1)                    | MH997480 | <i>ssu</i> rRNA       | 34–603  | 262delT                                     | OK285240   |
|                         | ST3                  | Alleles 26+27    | 1               | MZA (1)                    | HQ909890 | <i>ssu</i> rRNA       | 1–587   | T156W, C157Y                                | OK285241   |
|                         | ST3                  | Allele 30        | 3               | MZA (3)                    | MZ496544 | <i>ssu</i> rRNA       | 6–588   | None  | OK285242   |
|                         | ST3                  | Allele 34        | 1               | SZ (1)                     | AB107965 | <i>ssu</i> rRNA       | 21–596  | G130A, A131T, A132G,<br>A175T, T176C, A179R | OK285243   |
|                         | ST3                  | Allele 37        | 1               | MZA (1)                    | MF184982 | <i>ssu</i> rRNA       | 56–573  | None  | OK285244   |

|     |                 |   |                                |          |                 |        |       |          |
|-----|-----------------|---|--------------------------------|----------|-----------------|--------|-------|----------|
| ST3 | Alleles 34+ 371 |   | BZ (1)                         | MF184982 | <i>ssu</i> rRNA | 47–575 | C235Y | OK285245 |
| ST4 | Allele 42       | 4 | Faunia (4)                     | MN836841 | <i>ssu</i> rRNA | 3–605  | None  | OK285246 |
| ST5 | Allele 16       | 8 | MZA (5), BZ (3)                | MT661529 | <i>ssu</i> rRNA | 3–618  | None  | OK285247 |
| ST5 | Allele 17       | 8 | MZA (6), BZ (1),<br>Faunia (1) | MK801415 | <i>ssu</i> rRNA | 2–616  | None  | OK285248 |
| ST5 | 16+ 17          | 1 | BZ (1)                         | MK801415 | <i>ssu</i> rRNA | 69–594 | C170M | OK285249 |
| ST5 | Unknown         | 1 | MZA (1)                        | –        | <i>ssu</i> rRNA | –      | –     | –        |
| ST8 | Allele 21       | 2 | Faunia (2)                     | AB107971 | <i>ssu</i> rRNA | 8–616  | None  | OK285250 |

---

BZ: Barcelona Zoo; del: deletion; MZA: Madrid Zoo Aquarium; *ssu* rRNA: small subunit ribosomal RNA; SZ: Santillana Zoo.