Table S1: Overview of primers used for *Entamoeba coli, Entamoeba polecki, Entamoeba hartmanni, Endolimax nana* and *Iodamoeba* species identification

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| --- | --- | --- | --- | --- |
| Species | Primers | Primers 5’ → 3’ | PCR product  | References |
| *Entamoeba coli* | Entcoli500F | AGGCGCGAAAATTACCCAATC | 500bp | Stensvold et al. 2011 |
| Entcoli500R | TTCCACCTCTCCCGTTCCTATC |
| *Entamoeba polecki* | Uninuc\_400F | AGGTAGTGACGATAATTAATAG | 600bp | Stensvold et al. 2018 |
| Uninuc\_1050R | TCCTGAATAAGAGAGTAACAAT |
| *Entamoeba hartmanni* | EntharF | AGAGATACATTCAGGCCTTTGC | 302 bp | In current study |
| EntharR | TCGTCACTACCTCTTCTATCTGT |
| *Endolimax nana* | EndoF | AGGTCAAGTTGTGGTGGTCA | 740 bp | In current study |
| EndoR | AGCCAAGGTCTCGTTCGTTA |
| *Iodamoeba* RL1*Iodamoeba* RL2 | IodRL1F | ACTCCTCCAGCACCTAGAGA | 588 bp  661bp | In current study |
| IodR | AAGGGCAGGGACGTAATCAA |
| IodRL2F | ATCGAGTGAGTGTATGGGCTTC |